

ev_id	lat_median_deg	lon_median_deg	depth_median_km	time_median_s	north_sd_km	east_sd_km	depth_sd_km	time_sd_s	origin_time	ML	source_of_origin_time_ML	Mw	source_of_Mw
20000	36.12302	129.3844075	2.64335	0.6034	1.512898	2.057892	2.7723	0.7638	2016/12/22T20:31:32.000	2.2	KMA	Mw2.1	W19
20001	36.1110595	129.360889	1.63245	0.8396	0.173792	0.288338	1.0691	0.7147	2016/12/29T12:32:25.000	2.3	KMA	Mw2.3	W19
20002	36.1052265	129.3727015	1.79705	0.2523	0.409633	1.573526	6.1026	0.7241	2017/04/15T02:31:13.000	3.1	KMA	Mw3.2	W19
20003	36.1050395	129.359642	3.3288	0.41925	0.576213	5.885508	7.3995	0.9599	2017/04/15T08:16:47.000	2	KMA	-	-
20004	36.1046785	129.370969	4.5301	0.16585	0.212737	0.210931	0.1582	0.7058	2017/11/14T20:04:17.289	-	K18	-	-
20005	36.10547	129.3736065	4.5851	0.18955	0.257942	0.187732	0.2064	0.7063	2017/11/14T20:59:37.900	-	K18	-	-
20006	36.1039785	129.357274	4.3842	0.79645	0.485145	0.985025	3.1435	0.7217	2017/11/15T05:22:32.000	2.2	KMA	-	-
20007	36.106565	129.3714615	4.5998	0.20175	0.275938	0.199641	0.2195	0.7065	2017/11/15T05:22:32.430	-	K18	-	-
20008	36.1092785	129.367848	4.91315	0.146	0.469846	0.243428	0.2526	0.7065	2017/11/15T05:22:40.630	-	K18	-	-
20009	36.1044845	129.37098	4.5401	0.25125	0.248391	0.170806	0.1922	0.7061	2017/11/15T05:22:43.789	-	K18	-	-
20011	36.107559	129.3700685	3.98685	0.2925	0.888543	0.440034	0.5709	0.7119	2017/11/15T05:23:43.930	-	K18	-	-
20012	36.108654	129.3742955	5.0344	0.6966	0.384452	0.260533	0.4198	0.7077	2017/11/15T05:29:31.000	5.4	KMA	Mw5.4	W19
20016	36.034805	129.344578	7.9324	-1.53205	1.374918	1.886004	1.2665	0.7339	2017/11/15T05:30:59.220	-	K18	-	-
20017	36.134503	129.427701	0.0294	-0.7142	1.011103	0.939473	0.3707	0.7222	2017/11/15T05:31:16.319	-	K18	-	-
20018	36.0994725	129.3608045	4.7183	1.27825	0.158886	0.13726	0.1485	0.7059	2017/11/15T05:32:59.000	3.6	KMA	-	-
20020	36.1081115	129.359653	5.4344	0.29055	0.695101	0.317594	1.044	0.724	2017/11/15T05:33:20.779	-	K18	-	-
20021	36.0967095	129.358537	3.7162	0.41995	0.788083	0.51102	0.8554	0.7159	2017/11/15T05:34:38.369	-	K18	-	-
20022	36.101086	129.37856	3.70305	0.25515	0.21961	0.148004	0.1467	0.705	2017/11/15T05:35:16.349	-	K18	-	-
20023	36.126005	129.4062435	6.6468	-0.71305	0.768164	1.099937	0.5318	0.718	2017/11/15T05:36:08.420	-	K18	-	-
20024	36.11077	129.3561905	6.1162	0.1092	0.295956	0.191455	0.2293	0.7055	2017/11/15T05:36:24.970	-	K18	-	-
20025	36.0902325	129.3612295	3.99725	0.24255	0.384024	0.171537	0.2674	0.706	2017/11/15T05:36:35.299	-	K18	-	-
20026	36.138472	129.382005	5.80775	0.2049	0.287487	0.257021	0.2012	0.7057	2017/11/15T05:37:28.839	-	K18	-	-
20027	36.0936365	129.353877	4.6448	0.26335	0.377001	0.241884	0.3264	0.7056	2017/11/15T05:37:46.700	-	K18	-	-
20028	36.083679	129.340561	4.06115	0.26075	0.29951	0.199115	0.3533	0.7058	2017/11/15T05:38:03.539	-	K18	-	-
20029	36.099036	129.361216	5.0809	0.20545	0.34992	0.235014	0.2411	0.7071	2017/11/15T05:38:17.920	-	K18	-	-
20030	36.098538	129.361186	4.5279	0.2291	0.22186	0.136365	0.1617	0.7055	2017/11/15T05:38:45.730	-	K18	-	-
20031	36.117214	129.364005	5.67795	0.22045	0.217415	0.220949	0.2193	0.7065	2017/11/15T05:38:54.609	-	K18	-	-
20032	36.123959	129.381404	4.69535	0.1713	0.404041	0.328953	0.2995	0.7077	2017/11/15T05:40:23.509	-	K18	-	-
20033	36.092258	129.3538025	4.25415	0.26035	0.26895	0.170939	0.2408	0.7064	2017/11/15T05:40:38.650	-	K18	-	-
20034	36.1097905	129.355711	5.4515	0.22005	0.26481	0.175674	0.2117	0.706	2017/11/15T05:41:39.480	-	K18	-	-
20035	36.104454	129.362146	5.321	0.15845	0.235058	0.203759	0.1826	0.7055	2017/11/15T05:42:47.799	-	K18	-	-
20036	36.092801	129.346477	5.2708	0.2106	0.217571	0.169006	0.1889	0.7061	2017/11/15T05:44:34.829	-	K18	-	-
20037	36.091822	129.352016	4.8345	0.25385	0.25006	0.205497	0.238	0.7066	2017/11/15T05:45:08.950	-	K18	-	-
20038	36.1142025	129.367007	5.87485	0.15915	0.363445	0.27012	0.2386	0.7068	2017/11/15T05:45:39.809	-	K18	-	-
20039	36.110848	129.4013195	14.5196	0.89745	0.645636	2.142083	8.6361	0.7517	2017/11/15T05:46:00.000	2.5	KMA	-	-
20040	36.1208755	129.3851835	4.5095	0.2899	0.234291	0.336766	0.202	0.706	2017/11/15T05:46:00.730	-	K18	-	-
20041	36.1019555	129.35933	5.30905	0.18665	0.243668	0.197263	0.1762	0.7058	2017/11/15T05:46:17.880	-	K18	-	-
20042	36.108128	129.365967	4.8589	0.21575	0.261724	0.19183	0.1753	0.7055	2017/11/15T05:47:23.599	-	K18	-	-
20043	36.133162	129.390792	4.51925	0.1725	0.301089	0.226776	0.2136	0.7071	2017/11/15T05:47:41.809	-	K18	-	-
20044	36.0850975	129.3411195	4.732	0.2178	0.320066	0.25203	0.359	0.7067	2017/11/15T05:47:47.900	-	K18	-	-
20045	36.0986275	129.358307	5.17235	0.19545	0.206349	0.183551	0.1741	0.7062	2017/11/15T05:48:13.799	-	K18	-	-
20046	36.1383955	129.385198	5.283	0.18715	0.20142	0.222327	0.1892	0.7063	2017/11/15T05:48:45.119	-	K18	-	-
20047	36.1095765	129.3625925	2.75885	0.57375	0.516744	0.247903	0.4619	0.709	2017/11/15T05:48:52.630	-	K18	-	-
20048	36.1280695	129.389904	4.3787	0.2052	0.391587	0.209069	0.243	0.7068	2017/11/15T05:48:58.839	-	K18	-	-
20049	36.0999965	129.3521945	4.834	0.2289	0.440678	0.415328	0.3962	0.7073	2017/11/15T05:49:29.950	-	K18	-	-
20050	36.0950955	129.368851	3.51795	0.2896	0.166434	0.126661	0.1618	0.7049	2017/11/15T05:49:33.789	-	K18	-	-

20051	36.095035	129.3743145	4.72515	0.45095	0.603441	2.666042	6.2535	0.7747	2017/11/15T05:50:05.000	2.4	KMA	-	-
20052	36.0973705	129.372945	3.8396	0.19995	0.221466	0.173702	0.1946	0.7055	2017/11/15T05:50:05.279	-	K18	-	-
20053	36.1360215	129.3790965	5.36165	0.18085	0.278503	0.230238	0.2615	0.7051	2017/11/15T05:51:33.589	-	K18	-	-
20054	36.106948	129.3524235	6.1923	0.16795	0.308698	0.18881	0.2062	0.7059	2017/11/15T05:52:05.259	-	K18	-	-
20055	36.107488	129.356578	5.53045	0.17795	0.362262	0.240953	0.2762	0.7059	2017/11/15T05:52:29.140	-	K18	-	-
20056	36.0990855	129.3716365	3.80825	0.28125	0.297392	0.195881	0.2344	0.7054	2017/11/15T05:52:45.460	-	K18	-	-
20058	36.105513	129.362195	4.7018	0.15195	0.260371	0.212761	0.2372	0.7064	2017/11/15T05:52:55.809	-	K18	-	-
20059	36.0875495	129.3554135	4.1531	0.2372	0.253381	0.11471	0.1458	0.7056	2017/11/15T05:53:13.380	-	K18	-	-
20060	36.117366	129.3808065	4.68705	0.1532	0.299241	0.201678	0.263	0.7067	2017/11/15T05:53:18.319	-	K18	-	-
20061	36.1179505	129.369704	4.896	0.2276	0.263271	0.246585	0.2048	0.7064	2017/11/15T05:53:35.000	-	K18	-	-
20062	36.0810325	129.3407085	3.8334	0.22155	0.245167	0.167276	0.2642	0.7056	2017/11/15T05:54:15.099	-	K18	-	-
20063	36.1169945	129.3807005	4.18625	0.25445	0.300398	0.178346	0.1796	0.7055	2017/11/15T05:54:41.119	-	K18	-	-
20064	36.101858	129.3615035	5.15115	0.20725	0.209488	0.160697	0.1637	0.7057	2017/11/15T05:55:05.789	-	K18	-	-
20065	36.1090035	129.377549	4.34595	0.2456	0.243382	0.15842	0.1704	0.7053	2017/11/15T05:55:14.480	-	K18	-	-
20066	36.0945195	129.359056	4.3482	0.23935	0.204268	0.158951	0.1594	0.7058	2017/11/15T05:55:24.970	-	K18	-	-
20067	36.089687	129.353108	4.81505	0.187	0.369372	0.242866	0.3164	0.707	2017/11/15T05:55:35.630	-	K18	-	-
20068	36.1253705	129.382717	5.73115	0.07655	0.312656	0.233488	0.2966	0.7078	2017/11/15T05:56:07.099	-	K18	-	-
20069	36.0852405	129.3363615	4.8501	0.1843	0.196748	0.156179	0.1953	0.7059	2017/11/15T05:56:25.099	-	K18	-	-
20070	36.106153	129.3551595	5.85425	0.1593	0.56361	0.413374	0.3362	0.7082	2017/11/15T05:56:28.769	-	K18	-	-
20071	36.0986445	129.3444145	2.7622	0.5181	0.245717	0.585777	1.6799	0.7239	2017/11/15T05:56:32.000	2.8	KMA	-	-
20072	36.101761	129.3568105	5.85725	0.1378	0.198782	0.222224	0.1997	0.7054	2017/11/15T05:56:32.359	-	K18	-	-
20073	36.1191385	129.3574305	6.05825	0.1763	0.789793	0.515387	0.4962	0.7115	2017/11/15T05:57:49.769	-	K18	-	-
20074	36.110578	129.3680785	3.4557	1.13775	0.31233	0.655854	2.0569	0.7221	2017/11/15T05:58:19.000	2.9	KMA	-	-
20075	36.116052	129.378467	4.7654	0.1781	0.207211	0.187948	0.1657	0.706	2017/11/15T05:58:19.890	-	K18	-	-
20076	36.094472	129.356969	4.76795	0.20315	0.417098	0.19575	0.2973	0.706	2017/11/15T05:59:21.549	-	K18	-	-
20077	36.0959585	129.367947	3.82105	0.25455	0.286939	0.172583	0.2781	0.7065	2017/11/15T05:59:29.200	-	K18	-	-
20078	36.141657	129.382434	4.81855	0.19675	0.257185	0.203461	0.2154	0.7057	2017/11/15T06:00:40.880	-	K18	-	-
20079	36.0969105	129.3561055	2.54685	0.34705	0.368933	0.905945	1.7711	0.7275	2017/11/15T06:00:54.000	2.9	KMA	-	-
20080	36.103772	129.3662365	5.8403	0.13125	0.238934	0.250336	0.1705	0.7058	2017/11/15T06:00:54.230	-	K18	-	-
20081	36.099798	129.372362	4.7673	0.271	0.316657	0.201033	0.2802	0.7066	2017/11/15T06:01:12.289	-	K18	-	-
20082	36.0998895	129.3660045	4.44885	0.2232	0.386111	0.156316	0.2188	0.7064	2017/11/15T06:01:52.430	-	K18	-	-
20083	36.138588	129.3868405	4.55415	0.20865	0.262512	0.203874	0.1942	0.706	2017/11/15T06:02:05.359	-	K18	-	-
20084	36.101638	129.367802	4.0836	0.2584	0.803347	1.219905	1.586	0.7093	2017/11/15T06:02:31.339	-	K18	-	-
20085	36.084506	129.3395885	4.79055	0.2565	0.210716	0.169254	0.2266	0.705	2017/11/15T06:02:47.359	-	K18	-	-
20086	36.10819	129.352291	5.818	0.1791	0.399367	0.187679	0.2105	0.7056	2017/11/15T06:03:10.759	-	K18	-	-
20087	36.106477	129.3742265	4.2185	0.27115	0.384097	0.26969	0.2896	0.7056	2017/11/15T06:03:15.720	-	K18	-	-
20088	36.110989	129.3681395	6.1578	0.17655	0.372217	0.434076	0.3279	0.7069	2017/11/15T06:03:33.849	-	K18	-	-
20089	36.102633	129.3569665	5.4563	0.17585	0.197431	0.192685	0.222	0.7053	2017/11/15T06:03:49.279	-	K18	-	-
20090	36.1456555	129.3724325	6.04725	0.0075	1.635126	0.804342	0.7484	0.7372	2017/11/15T06:04:17.440	-	K18	-	-
20091	36.085393	129.344369	4.2703	0.239	0.312643	0.22098	0.4772	0.7063	2017/11/15T06:04:57.509	-	K18	-	-
20092	36.130161	129.3920425	4.4867	0.156	0.354297	0.274028	0.2389	0.7065	2017/11/15T06:05:08.619	-	K18	-	-
20093	36.1094965	129.3606175	6.06305	0.17115	0.562626	0.433676	0.4023	0.7085	2017/11/15T06:05:46.220	-	K18	-	-
20094	36.1166825	129.363085	5.4394	0.28185	0.248791	0.247633	0.2704	0.7065	2017/11/15T06:05:48.819	-	K18	-	-
20095	36.087537	129.3446055	4.6474	0.2521	0.521013	0.250083	0.409	0.7076	2017/11/15T06:06:06.539	-	K18	-	-
20096	36.090283	129.3563785	3.94125	0.28945	0.241999	0.158737	0.2596	0.7062	2017/11/15T06:06:29.799	-	K18	-	-
20097	36.088256	129.35441	3.73785	0.27335	0.186961	0.139329	0.1981	0.7054	2017/11/15T06:06:43.599	-	K18	-	-
20098	36.1073205	129.3563205	5.41205	0.26295	0.30267	0.250167	0.2733	0.707	2017/11/15T06:07:04.400	-	K18	-	-

20099	36.1331465	129.3869765	4.87465	0.22025	0.820774	0.593585	0.4682	0.7087	2017/11/15T06:07:17.359	-	K18	-	-
20100	36.099768	129.3641	4.41135	0.2384	0.191873	0.142863	0.1701	0.706	2017/11/15T06:07:37.329	-	K18	-	-
20101	36.106107	129.3641095	2.78215	0.627	0.345947	0.209329	0.8159	0.7159	2017/11/15T06:07:48.420	-	K18	-	-
20102	36.1354625	129.3794825	5.1155	0.15665	0.312398	0.181601	0.2536	0.7074	2017/11/15T06:07:52.190	-	K18	-	-
20103	36.090827	129.3485515	3.8028	0.27915	0.370921	0.267106	0.3338	0.7074	2017/11/15T06:08:01.779	-	K18	-	-
20104	36.1075545	129.378259	4.19925	0.253	0.19081	0.127717	0.1275	0.7057	2017/11/15T06:08:14.400	-	K18	-	-
20105	36.1156005	129.363838	5.5558	0.2739	0.22324	0.231293	0.2218	0.7058	2017/11/15T06:08:41.869	-	K18	-	-
20106	36.107394	129.35264	6.0567	0.18065	0.197156	0.165902	0.1988	0.7055	2017/11/15T06:08:59.859	-	K18	-	-
20107	36.0878835	129.3408705	4.6623	0.2378	0.17154	0.141654	0.1983	0.7058	2017/11/15T06:09:13.609	-	K18	-	-
20108	36.0880185	129.3425195	4.82865	0.9683	0.230123	0.175096	0.2329	0.7053	2017/11/15T06:09:49.000	3.5	KMA	-	-
20110	36.1734505	129.4274125	3.18655	-0.56525	2.953344	3.211818	2.63	0.9205	2017/11/15T06:10:53.420	-	K18	-	-
20111	36.110646	129.3712725	4.92535	0.21805	0.369417	0.217545	0.2047	0.7071	2017/11/15T06:10:54.789	-	K18	-	-
20112	36.124746	129.3897495	5.45895	0.09495	1.262439	0.532782	0.7691	0.7163	2017/11/15T06:11:16.789	-	K18	-	-
20113	36.087646	129.3450365	5.2251	0.19505	0.313485	0.163379	0.1929	0.7056	2017/11/15T06:11:21.299	-	K18	-	-
20114	36.1052925	129.359217	5.65815	0.19595	0.318542	0.231668	0.2437	0.7063	2017/11/15T06:11:34.609	-	K18	-	-
20115	36.1201975	129.371044	5.15935	0.21675	0.220967	0.181892	0.154	0.706	2017/11/15T06:12:33.500	-	K18	-	-
20116	36.106765	129.3590715	5.019	0.21335	0.35799	0.230113	0.2093	0.7062	2017/11/15T06:14:50.500	-	K18	-	-
20117	36.095978	129.3499545	3.08035	0.69675	0.276341	0.518406	1.5492	0.7168	2017/11/15T06:14:59.000	2.5	KMA	-	-
20118	36.0980805	129.358116	5.18755	0.2322	0.137557	0.140184	0.126	0.7053	2017/11/15T06:14:59.539	-	K18	-	-
20119	36.116696	129.377039	4.52095	0.2139	0.35178	0.180542	0.2272	0.7062	2017/11/15T06:15:13.740	-	K18	-	-
20120	36.102705	129.360434	5.94635	0.12955	0.676407	0.384311	0.6556	0.7137	2017/11/15T06:15:30.140	-	K18	-	-
20121	36.1024855	129.353486	5.6143	0.17555	0.236245	0.198056	0.1856	0.7057	2017/11/15T06:15:58.180	-	K18	-	-
20122	36.116065	129.3769195	4.8463	0.17615	0.25197	0.198448	0.1989	0.7062	2017/11/15T06:16:23.869	-	K18	-	-
20123	36.124437	129.375724	4.3439	0.27775	0.347248	0.208308	0.2429	0.7067	2017/11/15T06:17:10.539	-	K18	-	-
20124	36.0935945	129.3488355	6.0198	0.21285	0.251473	0.235829	0.2828	0.7068	2017/11/15T06:17:29.900	-	K18	-	-
20125	36.1122835	129.3639505	5.13985	0.22015	0.338387	0.189764	0.1941	0.7062	2017/11/15T06:18:40.599	-	K18	-	-
20126	36.0882045	129.347383	5.5111	0.20085	0.462373	0.495587	1.293	0.7113	2017/11/15T06:18:59.710	-	K18	-	-
20127	36.1386245	129.0995035	13.23435	0.2513	15.591069	14.603615	7.289	0.8378	2017/11/15T06:19:30.789	-	K18	-	-
20128	36.1350255	129.3720545	2.8934	1.07695	0.471013	0.680825	2.1272	0.726	2017/11/15T06:19:46.000	2.4	KMA	-	-
20129	36.136273	129.3735925	3.95895	0.1999	0.182716	0.264554	0.9478	0.7065	2017/11/15T06:19:46.900	-	K18	-	-
20131	36.1014015	129.359508	2.38795	0.29205	0.378208	0.543163	1.2319	0.714	2017/11/15T06:21:25.819	-	K18	-	-
20132	36.089706	129.346247	3.2123	0.1845	0.980749	1.188986	2.7627	0.7263	2017/11/15T06:22:10.460	-	K18	-	-
20134	36.0944965	129.346586	3.2158	0.1731	0.361058	0.402207	1.2655	0.7111	2017/11/15T06:23:36.460	-	K18	-	-
20135	36.086605	129.3439055	1.90365	0.97195	0.306515	0.698433	1.5889	0.7158	2017/11/15T06:23:50.000	2.6	KMA	-	-
20136	36.091105	129.3515055	4.14255	0.2215	0.408605	0.398455	1.5028	0.709	2017/11/15T06:23:50.730	-	K18	-	-
20137	36.100336	129.3487095	4.52765	0.14635	0.597433	0.589983	2.2166	0.7138	2017/11/15T06:25:48.460	-	K18	-	-
20138	36.0814915	129.920047	17.1801	-7.4706	4.290856	11.934019	6.7035	1.9508	2017/11/15T06:28:00.210	-	K18	-	-
20139	36.111765	129.347458	2.6004	0.24675	0.463424	1.122446	1.4646	0.7295	2017/11/15T06:31:06.740	-	K18	-	-
20140	36.0921385	129.3457335	3.3184	0.10075	0.656708	0.745239	1.987	0.7163	2017/11/15T06:32:07.390	-	K18	-	-
20141	36.083605	129.330426	2.25315	0.2292	0.396206	0.452047	1.3897	0.7108	2017/11/15T06:35:29.710	-	K18	-	-
20142	36.079304	129.336466	1.4715	0.69115	0.273015	0.552295	1.2232	0.7201	2017/11/15T06:36:19.000	2.3	KMA	-	-
20143	36.0843125	129.338381	3.66215	0.135	0.47898	0.495412	2.2098	0.7137	2017/11/15T06:36:19.579	-	K18	-	-
20144	36.313967	129.672482	32.5761	-8.5413	10.187089	12.044223	7.755	3.4125	2017/11/15T06:37:01.880	-	K18	-	-
20145	36.120165	129.369983	4.62355	0.17105	0.773505	0.770304	1.7561	0.72	2017/11/15T06:46:12.099	-	K18	-	-
20146	36.1029475	129.3512765	5.3971	0.10235	0.648077	0.568133	2.2196	0.7151	2017/11/15T06:52:56.720	-	K18	-	-
20148	36.1189405	129.360843	5.40625	0.24125	0.192696	0.366383	1.257	0.707	2017/11/15T06:54:27.869	-	K18	-	-
20149	36.1107405	129.3679535	3.87505	0.7799	0.319672	0.642684	2.0084	0.7203	2017/11/15T06:55:00.000	2.2	KMA	-	-

20150	36.1126055	129.363523	4.44715	0.2997	0.207311	0.312872	1.191	0.706	2017/11/15T06:55:00.460	-	K18	-	-
20151	36.0886355	129.34507	1.67895	0.16365	0.318617	0.414204	1.2976	0.7104	2017/11/15T06:55:57.400	-	K18	-	-
20152	36.0954685	129.342753	4.247	0.2397	0.543801	0.562314	1.663	0.7111	2017/11/15T06:56:33.799	-	K18	-	-
20153	36.1041885	129.3572435	4.7789	-0.05185	1.028407	1.664127	2.8954	0.748	2017/11/15T06:57:45.190	-	K18	-	-
20154	36.077667	129.331971	1.80805	0.1991	0.413846	0.542834	1.4711	0.714	2017/11/15T06:58:37.369	-	K18	-	-
20155	36.1051605	129.357538	3.11155	0.1833	0.531728	0.587516	1.4993	0.7114	2017/11/15T07:00:37.500	-	K18	-	-
20156	36.114503	129.3548295	5.0404	0.2158	0.189537	0.296837	1.0236	0.7069	2017/11/15T07:02:22.099	-	K18	-	-
20157	36.10869	129.348042	3.79845	0.15485	0.21133	0.278516	1.1325	0.7064	2017/11/15T07:03:35.720	-	K18	-	-
20158	36.08713	129.3367585	3.63205	0.23585	0.595779	0.648936	2.0095	0.7139	2017/11/15T07:04:40.539	-	K18	-	-
20159	36.0955655	129.343454	2.68885	0.21465	0.305579	0.497003	1.422	0.7118	2017/11/15T07:05:06.980	-	K18	-	-
20160	36.119376	129.3853295	6.70425	0.14665	1.18105	1.447298	2.2581	0.7413	2017/11/15T07:06:30.750	-	K18	-	-
20161	36.1128645	129.3635495	3.95715	0.209	0.190083	0.315358	1.4262	0.7089	2017/11/15T07:06:57.640	-	K18	-	-
20162	36.1230775	129.3596435	4.0322	0.27945	0.180623	0.286264	1.1152	0.707	2017/11/15T07:08:12.299	-	K18	-	-
20163	36.132208	129.3584935	3.32325	1.39485	0.345256	0.89916	2.028	0.7163	2017/11/15T07:11:00.000	2.9	KMA	-	-
20164	36.131538	129.365803	3.6173	0.21185	0.190075	0.282174	1.2735	0.708	2017/11/15T07:11:01.180	-	K18	-	-
20167	36.131702	129.364969	1.8843	0.1503	0.340564	0.524288	1.1646	0.7115	2017/11/15T07:13:06.700	-	K18	-	-
20168	36.0869575	129.345911	2.0125	0.0083	0.777732	1.514627	1.9738	0.733	2017/11/15T07:13:20.599	-	K18	-	-
20169	36.1359985	129.3716165	3.486	0.16875	0.19908	0.365132	1.1699	0.7102	2017/11/15T07:14:59.769	-	K18	-	-
20170	36.05236	129.1628875	13.96295	0.16955	5.705424	15.294569	6.8637	0.8285	2017/11/15T07:15:22.529	-	K18	-	-
20171	36.0893595	129.352692	1.98185	0.21715	0.253592	0.534094	1.5975	0.7177	2017/11/15T07:16:17.000	2.4	KMA	-	-
20172	36.0994305	129.3587495	4.14675	0.0107	0.459738	0.457489	1.4778	0.7092	2017/11/15T07:16:17.099	-	K18	-	-
20173	36.1320455	129.3704785	1.72895	0.0457	0.254853	0.382277	1.1957	0.7158	2017/11/15T07:18:35.960	-	K18	-	-
20174	36.1334295	129.3659765	3.71545	0.2006	0.437898	0.638444	2.0502	0.7213	2017/11/15T07:18:36.000	2	KMA	-	-
20177	36.077894	129.079416	22.8894	-0.19795	5.273057	18.325877	8.6369	0.8298	2017/11/15T07:20:08.230	-	K18	-	-
20178	36.081455	129.3383505	2.5181	0.1265	0.703849	0.966761	2.3937	0.7189	2017/11/15T07:23:10.099	-	K18	-	-
20180	36.1115555	129.3591545	4.17355	-0.0826	1.122551	1.864079	2.9762	0.7594	2017/11/15T07:25:04.630	-	K18	-	-
20181	36.0845745	129.338201	3.85425	0.15065	0.464637	0.509903	1.73	0.7105	2017/11/15T07:25:21.180	-	K18	-	-
20182	36.0792185	129.333784	1.70985	0.15285	0.675299	1.15419	1.6117	0.7275	2017/11/15T07:28:06.519	-	K18	-	-
20184	36.115942	129.3663505	3.22005	0.1238	0.320624	0.569083	1.4734	0.7157	2017/11/15T07:30:26.619	-	K18	-	-
20186	36.099306	129.3441725	3.60705	0.2587	0.347104	0.376799	1.2291	0.7103	2017/11/15T07:32:22.480	-	K18	-	-
20187	36.1041115	129.362996	1.334	0.16585	0.27462	0.42104	1.1152	0.7102	2017/11/15T07:34:05.609	-	K18	-	-
20188	36.155151	129.107443	13.3815	0.1991	15.31746	15.38589	7.4922	0.8251	2017/11/15T07:35:55.789	-	K18	-	-
20189	36.107556	129.3635	4.8443	0.1456	0.811975	1.014265	2.2685	0.7183	2017/11/15T07:38:22.140	-	K18	-	-
20190	36.098773	129.3492415	2.5541	0.1059	0.550119	0.761968	1.5948	0.7147	2017/11/15T07:38:48.680	-	K18	-	-
20191	36.1010625	129.352891	1.5507	0.0957	0.362824	0.486743	1.0561	0.7112	2017/11/15T07:39:14.640	-	K18	-	-
20192	36.111423	129.363481	2.52765	0.2553	0.345784	0.465819	1.323	0.7117	2017/11/15T07:40:29.660	-	K18	-	-
20193	36.174314	129.1066755	14.1417	0.2428	15.606163	14.575706	7.5471	0.8232	2017/11/15T07:43:36.170	-	K18	-	-
20194	36.2258145	129.0222215	18.4844	0.674	7.815416	14.4185	8.43	0.7536	2017/11/15T07:45:38.430	-	K18	-	-
20195	36.106002	129.3470575	7.2424	0.13525	0.991836	2.062797	4.0222	0.7823	2017/11/15T07:46:31.369	-	K18	-	-
20196	36.125637	129.360913	3.13335	0.1615	0.633395	0.599305	1.6566	0.7126	2017/11/15T07:46:43.299	-	K18	-	-
20197	36.091489	129.346925	5.73345	0.12415	0.795509	0.956635	2.0252	0.7171	2017/11/15T07:48:44.220	-	K18	-	-
20198	36.114741	129.364509	5.26755	0.5452	0.213591	0.296073	0.281	0.7064	2017/11/15T07:49:30.000	4.3	KMA	-	-
20202	36.175027	129.377645	22.8135	-1.13345	3.683705	2.755508	9.0124	1.0467	2017/11/15T07:53:53.940	-	K18	-	-
20204	36.099909	129.3470855	7.29255	0.0332	1.030508	0.984347	4.9964	0.7208	2017/11/15T07:55:26.500	-	K18	-	-
20205	36.1907275	129.1005565	13.494	0.1533	14.765634	14.867502	7.5029	0.8418	2017/11/15T07:55:57.869	-	K18	-	-
20206	36.0974185	129.350929	3.62125	0.28195	0.641944	0.837735	2.0773	0.7135	2017/11/15T07:56:02.549	-	K18	-	-
20208	36.1338585	129.371709	3.3382	0.6192	0.617522	0.815153	1.7417	0.7112	2017/11/15T07:57:53.000	2.2	KMA	-	-

20209	36.134817	129.37163	2.9431	0.1483	0.214126	0.288653	1.1801	0.7101	2017/11/15T07:57:53.410	-	K18	-	-
20210	36.097226	129.351829	2.3067	0.21125	0.285037	0.333803	1.1144	0.7082	2017/11/15T07:58:49.700	-	K18	-	-
20211	36.090595	129.3427405	2.5721	0.19045	0.448281	0.692084	1.3917	0.7186	2017/11/15T07:59:07.319	-	K18	-	-
20213	36.1041005	129.353927	5.28805	0.1162	0.740008	0.879918	2.3208	0.7159	2017/11/15T08:01:17.809	-	K18	-	-
20214	36.1014465	129.3469295	4.10795	0.1546	0.293237	0.332059	1.1688	0.7083	2017/11/15T08:01:44.549	-	K18	-	-
20215	36.1330715	129.3687	1.95015	0.17345	0.483565	0.585069	1.2238	0.7161	2017/11/15T08:03:23.910	-	K18	-	-
20216	36.1266295	129.371884	2.2126	0.1938	1.425351	1.698212	1.8816	0.8117	2017/11/15T08:03:50.450	-	K18	-	-
20217	36.086304	129.340833	4.7267	0.25435	0.436367	0.476891	1.4706	0.7086	2017/11/15T08:03:59.599	-	K18	-	-
20218	36.1320855	129.3689315	3.36815	0.214	0.361534	0.57924	1.4151	0.7129	2017/11/15T08:05:10.690	-	K18	-	-
20219	36.2050695	129.0585	12.64415	0.14765	15.432247	15.189094	7.28	0.8287	2017/11/15T08:06:03.359	-	K18	-	-
20220	36.111947	129.3526795	2.275	0.06645	0.393896	0.567819	1.0958	0.7139	2017/11/15T08:07:45.829	-	K18	-	-
20222	36.078177	129.3325205	0.95375	0.8728	0.173088	0.372995	0.798	0.71	2017/11/15T08:11:10.000	2.8	KMA	-	-
20223	36.0795905	129.337082	2.63635	0.17255	0.422591	0.434028	1.7212	0.711	2017/11/15T08:11:10.720	-	K18	-	-
20224	36.0823895	129.197934	15.0892	0.18135	4.574512	16.096388	6.8588	0.8109	2017/11/15T08:12:49.289	-	K18	-	-
20226	36.1102245	129.362733	2.32065	0.26505	0.221665	0.338352	1.1107	0.7119	2017/11/15T08:14:07.369	-	K18	-	-
20227	36.101387	129.351612	2.57835	0.2653	0.303197	0.397525	1.1675	0.7098	2017/11/15T08:18:05.220	-	K18	-	-
20229	36.134078	129.36829	2.9951	0.2449	0.480771	0.64302	1.3832	0.7145	2017/11/15T08:20:42.829	-	K18	-	-
20230	36.102589	129.3619085	1.553	0.14615	0.302848	0.419109	0.9689	0.7104	2017/11/15T08:25:14.460	-	K18	-	-
20231	36.0950005	129.344724	1.71405	0.13515	0.359175	0.446316	1.1239	0.7113	2017/11/15T08:26:04.460	-	K18	-	-
20232	36.121101	129.3697895	2.8083	0.20045	0.20167	0.325698	1.0471	0.7098	2017/11/15T08:27:20.740	-	K18	-	-
20233	36.1024155	129.3607525	1.99315	0.2772	0.471523	0.631518	1.2814	0.7116	2017/11/15T08:28:33.180	-	K18	-	-
20234	36.26556	128.9536955	18.06325	0.27075	8.441115	14.286509	7.9178	0.8377	2017/11/15T08:30:44.799	-	K18	-	-
20235	36.085133	129.3392575	3.96755	0.1331	0.761202	1.045697	2.7372	0.7213	2017/11/15T08:32:22.690	-	K18	-	-
20236	36.09888	129.347745	3.26385	0.18915	0.27987	0.330143	1.1985	0.7081	2017/11/15T08:32:46.630	-	K18	-	-
20237	36.0870235	129.3355505	4.31545	0.2535	0.223802	0.272953	1.2003	0.7078	2017/11/15T08:33:41.539	-	K18	-	-
20238	36.1144115	129.3552535	4.2089	0.16375	0.210659	0.339673	0.9661	0.7061	2017/11/15T08:34:14.390	-	K18	-	-
20239	36.104392	129.357204	3.43145	0.1673	0.785497	0.988718	2.2672	0.7153	2017/11/15T08:34:44.140	-	K18	-	-
20240	36.2483875	129.296364	20.2493	-0.03035	7.949409	3.279037	6.8121	1.4224	2017/11/15T08:34:49.730	-	K18	-	-
20241	36.1241025	129.370749	4.84665	0.17475	0.763651	0.850614	1.9912	0.7153	2017/11/15T08:35:40.119	-	K18	-	-
20242	36.092313	129.344764	3.09005	0.1425	0.286072	0.336608	1.3273	0.7113	2017/11/15T08:35:49.150	-	K18	-	-
20244	36.1231525	129.3764745	3.6321	0.2626	0.286073	0.342268	1.0486	0.7071	2017/11/15T08:39:25.470	-	K18	-	-
20245	36.1363275	129.3714265	2.24075	0.7327	0.339245	0.912226	2.4309	0.7206	2017/11/15T08:42:53.000	2.2	KMA	-	-
20246	36.083171	129.331837	3.81115	0.8931	0.538457	0.762605	0.6978	0.7081	2017/11/15T09:41:46.000	2.1	KMA	-	-
20247	36.139103	129.382256	4.45305	0.41015	0.402532	0.75319	0.4213	0.7155	2017/11/15T09:48:23.000	2.1	KMA	-	-
20248	36.132024	129.370732	5.69885	0.4798	1.050301	0.661407	0.5338	0.715	2017/11/15T09:51:33.000	2	KMA	-	-
20249	36.104011	129.35617	5.5271	0.7601	0.411924	0.673098	0.3694	0.7113	2017/11/15T09:57:36.000	2.3	KMA	-	-
20250	36.09671	129.3591145	4.47215	1.1884	0.223793	0.423057	0.2336	0.7055	2017/11/15T09:58:26.000	2.2	KMA	-	-
20251	36.1103405	129.357166	5.49165	0.34565	0.27241	0.639053	0.2515	0.7079	2017/11/15T09:59:38.000	2.1	KMA	-	-
20252	36.098378	129.3594585	4.86715	0.67935	0.205799	0.375824	0.2309	0.7062	2017/11/15T11:54:25.000	2.4	KMA	-	-
20253	36.1101205	129.376327	4.9884	0.6204	0.273593	0.450822	0.2431	0.707	2017/11/15T12:35:25.000	2	KMA	-	-
20254	36.137741	129.382892	4.5214	0.43965	0.207759	0.388733	0.4276	0.7059	2017/11/15T12:59:27.000	2.1	KMA	-	-
20255	36.148252	129.399086	3.50585	0.45115	0.20629	0.407204	0.5665	0.7064	2017/11/15T13:24:30.000	2.1	KMA	-	-
20256	36.103801	129.368221	4.45645	0.4905	0.139105	0.370857	0.2211	0.706	2017/11/15T13:43:12.000	2.1	KMA	-	-
20257	36.102257	129.376241	3.4662	1.30885	0.123639	0.383756	0.3117	0.7059	2017/11/15T14:05:16.000	2	KMA	-	-
20258	36.144516	129.3885795	3.6976	0.6466	0.246152	0.553533	0.5784	0.7069	2017/11/15T14:18:07.000	2.1	KMA	-	-
20259	36.1367415	129.3705555	5.85845	0.304	0.196831	0.288381	0.274	0.7067	2017/11/15T15:21:53.000	2.4	KMA	-	-
20260	36.089927	129.3633265	3.4717	1.0477	0.114844	0.212117	0.2313	0.7059	2017/11/15T15:38:14.000	2	KMA	-	-

20261	36.0895955	129.3630925	3.2793	0.59195	0.143806	0.211266	0.2544	0.7056	2017/11/15T16:23:12.000	2.1	KMA	-	-
20262	36.1444275	129.379216	3.8388	1.2889	0.153738	0.248737	0.3061	0.7058	2017/11/15T16:36:05.000	2.5	KMA	-	-
20263	36.140873	129.3812305	4.7187	0.3798	0.202747	0.262627	0.3325	0.7062	2017/11/15T17:37:43.000	2.3	KMA	-	-
20264	36.0772985	129.346754	3.49855	0.75035	0.108031	0.21823	0.2583	0.705	2017/11/15T20:03:37.000	2	KMA	-	-
20265	36.085512	129.34652	4.64085	0.5599	0.108469	0.22872	0.1736	0.7056	2017/11/15T20:54:11.000	2.5	KMA	-	-
20266	36.116568	129.3930415	3.0251	0.31775	0.193925	0.224749	0.2569	0.7065	2017/11/16T00:02:42.000	3.6	KMA	-	-
20267	36.123983	129.376668	4.62715	0.5658	0.262104	0.330149	0.3928	0.7067	2017/11/16T00:47:28.000	2.1	KMA	-	-
20268	36.10008	129.3557735	5.0388	0.74975	0.131168	0.237497	0.1782	0.7055	2017/11/16T01:37:34.000	2.3	KMA	-	-
20269	36.1320675	129.3828315	4.9071	0.5993	0.121524	0.232142	0.2618	0.7054	2017/11/16T05:04:04.000	2.3	KMA	-	-
20270	36.094318	129.350725	4.89515	0.7688	0.10627	0.177394	0.1816	0.7062	2017/11/16T05:31:09.000	2	KMA	-	-
20271	36.1162435	129.362728	5.6694	1.15565	0.129347	0.196757	0.156	0.7058	2017/11/16T07:48:31.000	2.4	KMA	-	-
20272	36.1108255	129.369611	4.80555	0.9316	0.178793	0.221523	0.3597	0.7072	2017/11/16T08:31:21.000	2	KMA	-	-
20273	36.1239785	129.3731025	5.296	0.7736	0.133137	0.190242	0.227	0.7058	2017/11/16T08:32:49.000	2.2	KMA	-	-
20274	36.120374	129.3688005	5.55855	0.57585	0.196277	0.218032	0.2855	0.706	2017/11/16T10:05:05.000	2.4	KMA	-	-
20275	36.081198	129.335197	4.0864	0.30595	0.212072	0.429693	0.4774	0.7067	2017/11/16T16:17:01.000	2.1	KMA	-	-
20276	36.1183775	129.373826	5.05575	0.88755	0.200623	0.390074	0.3945	0.7077	2017/11/16T23:25:50.000	2.1	KMA	-	-
20277	36.0961125	129.35646	4.60295	1.35755	0.067414	0.112436	0.1529	0.7054	2017/11/17T09:57:15.000	2.6	KMA	-	-
20278	36.106459	129.348402	5.86715	0.75885	0.093885	0.171823	0.1889	0.7055	2017/11/18T16:18:38.000	2	KMA	-	-
20279	36.0885735	129.346749	1.90595	1.545	0.286555	0.514623	0.5917	0.7073	2017/11/18T18:33:31.000	2.4	KMA	-	-
20280	36.1136975	129.3901735	3.18325	0.84905	0.091986	0.151328	0.1911	0.7054	2017/11/18T20:07:05.000	2.1	KMA	-	-
20281	36.087825	129.343422	4.4382	0.9449	0.063881	0.109169	0.1473	0.7054	2017/11/18T21:40:59.000	2.2	KMA	-	-
20282	36.114602	129.375804	4.4272	1.0085	0.064652	0.107331	0.1729	0.7053	2017/11/19T14:45:47.000	3.5	KMA	-	-
20283	36.137293	129.375801	4.40695	0.64595	0.098546	0.131011	0.2392	0.7056	2017/11/19T21:05:15.000	3.6	KMA	-	-
20284	36.0929885	129.3532735	4.2815	0.6099	0.059451	0.100447	0.1392	0.7051	2017/11/20T20:58:34.000	2	KMA	-	-
20285	36.082289	129.33943	4.09075	0.7234	0.064971	0.108054	0.1531	0.7053	2017/11/20T23:57:29.000	2.1	KMA	-	-
20286	36.1152735	129.384758	3.26205	0.12965	0.092739	0.164626	0.211	0.7056	2017/11/21T00:53:01.000	2.4	KMA	-	-
20287	36.0936605	129.3503985	4.61205	1.09305	0.062341	0.108373	0.1603	0.7054	2017/11/22T03:41:46.000	2.5	KMA	-	-
20288	36.114722	129.359774	5.88825	0.87055	0.085592	0.14672	0.179	0.7054	2017/11/22T13:15:41.000	2	KMA	-	-
20289	36.112999	129.3831435	3.42225	0.85585	0.09814	0.151653	0.1868	0.7055	2017/11/23T14:27:05.000	2.3	KMA	-	-
20290	36.107084	129.35911	5.0127	0.94915	0.057807	0.095712	0.1439	0.7055	2017/11/23T16:17:27.000	2.3	KMA	-	-
20291	36.1005075	129.3566795	4.6796	1.0994	0.065821	0.124449	0.1844	0.7053	2017/11/25T03:51:11.000	2	KMA	-	-
20292	36.101926	129.369586	3.8242	1.1822	0.060509	0.110336	0.151	0.7054	2017/11/25T05:10:41.000	2.3	KMA	-	-
20293	36.095752	129.3581955	1.6191	0.9232	0.367157	0.76616	1.2405	0.7174	2017/11/30T23:03:26.000	2.4	KMA	-	-
20295	36.105711	129.362117	5.46875	0.7341	0.077572	0.133388	0.1924	0.705	2017/12/25T07:19:22.000	3.5	KMA	-	-
20297	36.138113	129.3756625	4.9177	0.5917	0.101759	0.131126	0.2724	0.7058	2017/12/25T19:05:46.000	2.2	KMA	-	-
20298	36.106476	129.362048	5.65085	0.26265	0.062611	0.102547	0.1808	0.7049	2017/12/27T10:27:45.000	2.8	KMA	-	-
20299	36.1072705	129.3631945	5.46365	0.33175	0.073283	0.128892	0.1715	0.7054	2017/12/27T10:42:44.000	2.3	KMA	-	-
20301	36.108336	129.370053	4.44165	0.4607	0.064372	0.116698	0.1766	0.7056	2018/01/01T10:11:53.000	2	KMA	-	-
20302	36.120273	129.3748895	5.09705	1.04925	0.147393	0.301202	0.5651	0.7081	2018/02/02T03:21:12.000	2.9	KMA	-	-
20303	36.137784	129.3757355	4.37	1.0841	0.118966	0.193082	0.4511	0.7058	2018/02/03T02:12:18.000	2	KMA	-	-
20304	36.107686	129.363877	4.19625	0.9777	0.090904	0.200826	0.3687	0.7056	2018/02/04T06:43:38.000	2.1	KMA	-	-
20305	36.0611675	129.32103	5.9399	1.0505	0.12118	0.141775	0.3424	0.7067	2018/02/04T13:20:35.000	2.3	KMA	-	-
20306	36.07939	129.334984	4.9829	1.26725	0.098726	0.157179	0.2396	0.7052	2018/02/06T00:18:33.000	2.5	KMA	-	-
20307	36.078552	129.333794	4.7311	1.00675	0.064423	0.121413	0.201	0.7053	2018/02/10T20:03:03.000	4.6	KMA	-	-
20308	36.0783405	129.3369415	4.80285	0.9319	0.058923	0.117093	0.1674	0.7055	2018/02/10T20:07:23.000	2.5	KMA	-	-