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Supplement of

Spatial distribution of oxygen-18 and deuterium in stream waters across the Japanese archipelago

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Table S.1 Stream water isotopic composition across Japan

Prefecture	Region	Latitude N	Longitude E	ELV (m)	ARA (km ²)	AET (mm/year)	MAP (mm/year)	MAT (°C)	$\delta^{18}\text{O}$ (‰)	$\delta^2\text{H}$ (‰)	d (‰)
Hokkaido	A	41.8214	141.0792	120.3	2.65	617	1479.2	8.1	-9.1	-57.2	15.6
Hokkaido	A	41.7828	140.9019	122.2	2.75	573	1129.9	7.3	-9.0	-56.8	15.3
Hokkaido	A	41.9036	140.7619	652.7	0.14	617	1602	6.4	-10.5	-65.6	18.2
Hokkaido	A	41.82	140.5725	124	2.14	607	1284.9	7.7	-10.1	-59.9	20.7
Hokkaido	A	41.785	140.4306	231.3	2.37	607	1636.8	6.8	-10.3	-62.6	19.5
Hokkaido	A	41.6358	140.3242	94	1.96	607	1755	8	-9.1	-57.2	15.9
Hokkaido	A	41.5072	140.1456	163.2	1.73	625	2122.3	8.7	-9.0	-54.7	17
Hokkaido	A	41.9081	140.3814	148.9	0.19	607	1330	7.6	-9.8	-60.1	18.2
Hokkaido	A	42.0333	140.4881	302	0.93	607	1699.9	5.6	-10.5	-65.7	18.3
Hokkaido	A	42.0847	140.2667	304.7	1.11	607	1791.1	5.3	-9.7	-61.4	16.5
Hokkaido	A	41.8114	140.2314	243.7	0.65	607	1398.3	7.4	-9.6	-59.1	17.5
Hokkaido	A	42.2978	140.16	92	0.69	585	1488.4	7.6	-9.4	-57.8	17.4
Hokkaido	A	42.2911	139.8944	110.9	4.02	585	1533.5	7.5	-9.3	-55.9	18.5
Hokkaido	A	42.3775	140.12	62	6.37	585	1396.9	6.7	-10.0	-60.6	19.6
Hokkaido	A	42.5567	139.9486	272	7.73	585	1719.9	5.7	-10.3	-62.0	20.4
Hokkaido	A	42.4817	140.0928	331.7	24.67	585	1689.7	5	-11.1	-65.3	23.1
Hokkaido	A	42.6075	140.2458	274	4.87	598	1767.5	6	-9.3	-57.3	16.7
Hokkaido	A	42.5758	140.3925	96	2.9	598	1333.6	7	-10.1	-62.0	19.1
Hokkaido	A	42.6169	140.52	275.3	2.3	468	1025	4.5	-10.4	-64.2	19
Hokkaido	A	42.6919	140.6503	541.7	2.98	552	1479.1	4.7	-11.7	-70.2	23.3
Hokkaido	A	42.635	141.0017	509	2.94	548	1400.8	4.2	-12.0	-73.5	22.6
Hokkaido	A	42.6858	141.0308	512	1.74	548	1567.8	3.7	-11.8	-72.5	21.6
Hokkaido	A	42.6403	141.2814	160.6	2.2	602	2100.8	6.2	-9.2	-58.0	16
Hokkaido	A	42.6742	141.4908	79	4.64	602	1681.7	6.9	-9.4	-60.0	15.2
Hokkaido	A	42.8628	141.2767	751	2.2	602	1687.9	2.8	-12.0	-76.4	19.9
Hokkaido	A	42.7378	141.1031	422.2	2.29	548	1555.8	4	-11.9	-72.8	22.7
Hokkaido	A	42.8986	140.9492	468.7	2.47	548	1346.6	4.3	-12.3	-75.4	22.8
Hokkaido	A	43.0908	141.0547	571.3	4.52	548	1598.5	2.5	-12.2	-76.6	21
Hokkaido	A	43.1106	140.8953	343.1	3.83	552	1457	6.1	-11.3	-70.4	19.6
Hokkaido	A	42.9947	140.7283	253	5.71	548	1315.2	5.8	-11.3	-69.2	21
Hokkaido	A	43.1153	140.4589	36.8	4.88	549	1325.9	7.1	-10.7	-63.6	22.3
Hokkaido	A	42.8039	140.405	237	2.52	552	1290.8	5.3	-11.3	-67.1	23
Hokkaido	A	42.7694	142.0519	156.6	1.51	583	1211.1	5.1	-10.7	-68.3	17

Prefecture	Region	Latitude N	Longitude E	ELV (m)	ARA (km ²)	AET (mm/year)	MAP (mm/year)	MAT (°C)	δ ¹⁸ O (‰)	δ ² H (‰)	d (‰)
Hokkaido	A	42.9911	142.0364	243.2	1.32	583	1301.9	5.4	-11.0	-70.8	16.8
Hokkaido	A	43.1178	142.0169	381.1	5.02	583	1518.1	4.1	-11.8	-73.6	21.1
Hokkaido	A	43.3456	142.0306	391	2.41	556	1381.7	5.2	-11.9	-72.0	22.9
Hokkaido	A	43.4414	141.7603	179.3	4.44	556	1574.5	5.4	-11.4	-68.2	22.9
Hokkaido	A	43.5656	141.6147	278.4	1.4	550	1587.6	5.4	-11.7	-68.9	24.5
Hokkaido	A	43.3922	141.4967	52.3	3.31	550	1346.1	6.3	-9.9	-62.3	16.9
Hokkaido	A	43.645	141.7553	152.3	4.29	537	1572.2	5.5	-11.3	-69.6	21.1
Hokkaido	A	44.0656	141.8536	51.3	14.8	537	1587.6	5.7	-10.7	-64.1	21.6
Hokkaido	A	43.5194	142.2975	352	2.35	592	1045.1	5	-12.5	-78.2	21.6
Hokkaido	A	44.0197	142.2567	233.3	1.98	572	1293.5	4.1	-11.8	-72.8	21.6
Hokkaido	A	43.9031	142.7969	615.1	0.54	572	1190.6	4.7	-12.8	-79.3	23
Hokkaido	A	43.9856	142.6353	331.8	1.44	554	1217.2	3.1	-12.0	-76.0	19.9
Hokkaido	A	44.0264	142.9272	580.4	1.12	554	1344.4	3	-13.7	-87.4	22.6
Hokkaido	A	44.2747	142.8025	283	8.36	544	1182.2	3.3	-12.2	-78.1	19.7
Hokkaido	A	44.4525	142.6461	405	3.43	548	1245.3	3.1	-13.0	-80.5	23.3
Hokkaido	A	44.7328	142.5006	216.1	3.77	517	1524.6	3.7	-12.2	-77.3	20
Hokkaido	A	44.3081	141.8017	30.3	2.59	543	1479.1	6.2	-10.0	-61.5	18.8
Hokkaido	A	44.6736	142.0897	123	5.82	532	1258.3	4.2	-11.2	-68.3	21.6
Hokkaido	A	45.2642	142.1006	15.3	7.3	517	1112.1	4.8	-10.9	-67.8	19.3
Hokkaido	A	44.9461	141.9164	27.1	2.65	532	1064.6	5.4	-10.9	-66.4	20.7
Hokkaido	A	43.5378	142.6942	615.3	12.45	586	1504.8	1	-13.2	-87.9	17.9
Hokkaido	A	43.4206	142.9131	599.3	0.59	586	1284	1.6	-12.8	-85.6	16.8
Hokkaido	A	43.1294	142.3386	370.4	0.41	589	1404	3.2	-12.2	-77.2	20.7
Hokkaido	A	42.6489	142.2778	118.7	2.16	586	1145.6	5.4	-10.1	-66.4	14.4
Hokkaido	A	42.4442	142.5903	152	1.47	193	500.4	1.6	-10.0	-62.6	17
Hokkaido	A	42.3611	143.1675	311.3	1.02	593	2021.8	5	-10.6	-68.4	16.7
Hokkaido	A	42.2219	143.0278	224.8	4.35	593	1697.7	4.3	-9.8	-62.5	16.1
Hokkaido	A	42.8231	142.8153	473.6	5.13	588	1600.8	3.6	-12.3	-83.3	14.8
Hokkaido	A	43.5486	143.2606	819	8.19	583	1087.4	0.1	-13.7	-92.2	17.1
Hokkaido	A	43.8314	143.3731	530.4	1.44	538	842.8	2.5	-13.5	-91.4	16.6
Hokkaido	A	44.2494	143.1714	129	8.54	544	969.2	4.4	-11.7	-77.1	16.2
Hokkaido	A	44.3936	143.0467	57.3	14.57	544	1072.9	3.4	-11.8	-77.9	16.2
Hokkaido	A	42.9147	143.7308	103.7	12.38	541	1082.4	4.2	-9.8	-65.8	12.6
Hokkaido	A	43.0794	143.8431	172.4	18.65	541	1148.3	4.1	-10.0	-68.0	11.6

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Hokkaido	A	43.4472	143.8628	308.7	23.93	578	895.6	3.5	-12.2	-85.0	12.2
Hokkaido	A	43.2406	143.8439	271.1	16.96	578	1002.9	3.6	-10.8	-74.9	11.2
Hokkaido	A	43.4528	143.5594	471.9	8.57	583	1104.9	2.5	-11.5	-78.5	13.6
Hokkaido	A	43.5586	143.9403	266.2	12.04	578	897.5	3.2	-12.2	-83.4	14.5
Hokkaido	A	43.5356	144.2167	526.7	2.99	603	1252.3	2.2	-11.7	-80.0	13.2
Hokkaido	A	43.4475	144.3561	205.7	10.48	603	1192	4.1	-10.0	-67.2	13.1
Hokkaido	A	43.8211	144.9781	173.4	2.34	576	1436.4	4.4	-11.1	-70.9	17.9
Hokkaido	A	43.6558	144.8086	295	1.76	576	1460	3.6	-11.4	-74.6	16.7
Hokkaido	A	43.9228	143.7761	364.4	2.47	536	824.3	3.5	-12.3	-82.4	16.3
Hokkaido	A	44.1306	143.6283	53	9.55	538	763.3	4.8	-11.5	-76.8	15.2
Hokkaido	A	44.1253	143.06	233.3	5.87	554	969.4	4.7	-11.7	-79.0	14.7
Hokkaido	A	44.5494	142.1389	217.2	75.08	545	1564.7	2.7	-11.6	-69.7	23.4
Hokkaido	A	45.0489	142.4172	81.9	35.72	517	1573.8	3	-11.4	-71.6	19.7
Hokkaido	A	44.6414	141.8542	34.3	5.16	536	1257.9	5.6	-10.1	-62.3	18.7
Hokkaido	A	43.7831	141.4864	192.9	36.06	547	1883.8	3.2	-11.8	-71.4	23.1
Hokkaido	A	43.8472	142.1742	155.7	10.72	562	1261.1	4.3	-11.7	-71.2	22.8
Hokkaido	A	43.82	142.2578	139.3	9.51	572	1197.1	4.8	-11.7	-73.4	20.4
Hokkaido	A	43.6433	142.1439	392.7	4.97	537	1281.6	4.3	-12.8	-77.1	25.5
Hokkaido	A	43.3025	142.1467	357	5.5	556	1320.8	4.2	-12.1	-75.2	21.6
Hokkaido	A	42.9469	142.4742	447.3	0.64	586	1229.3	3.8	-11.4	-74.6	16.8
Hokkaido	A	42.5578	143.0278	274.8	2.07	593	1656.7	4.4	-11.9	-78.0	16.9
Hokkaido	A	42.3331	142.7789	143	2.08	593	1538	5.6	-9.2	-57.4	16.5
Hokkaido	A	43.3911	143.2167	540.7	3.04	583	1197	2.9	-12.0	-80.4	15.8
Hokkaido	A	43.335	144.3314	151.3	5.4	603	1169.8	4.5	-10.1	-67.0	14.2
Hokkaido	A	43.9153	145.0286	183.4	3.42	576	1470.4	4.3	-11.1	-70.8	17.9
Hokkaido	A	42.6786	143.4272	108.9	11.11	550	1246.2	4.6	-10.5	-70.9	13.2
Hokkaido	A	44.8086	142.1011	84.2	2.61	532	1246.7	4.6	-11.2	-69.0	20.3
Aomori	B	41.3706	140.9489	280.4	1.31	803	1708.5	7.4	-10.2	-61.9	19.5
Aomori	B	41.2883	140.8547	259.7	1.55	803	1761.8	7.5	-10.6	-64.0	20.9
Aomori	B	41.2833	140.9919	105	2.39	803	1821.7	8.2	-10.2	-61.4	20.3
Aomori	B	41.1714	140.8372	54.4	0.71	187	315.7	2.1	-9.5	-56.5	19.3
Aomori	B	41.1681	141.3508	74.3	2.02	670	1304.9	8.5	-8.7	-52.2	17.1
Aomori	B	41.0644	141.2942	126.3	2.17	627	1420.3	7.9	-9.5	-56.4	20
Aomori	B	41.0492	141.3342	292	0.99	627	1373.4	8.2	-9.1	-55.4	17.2

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Aomori	B	40.8172	140.9808	317.3	1.28	633	1750	7.6	-10.6	-62.0	22.8
Aomori	B	40.7431	140.9347	422.1	1.84	633	1803.2	7.1	-10.9	-64.2	23.1
Aomori	B	40.6953	140.7083	308.7	3.5	633	1350.6	7.1	-10.1	-65.3	15.3
Aomori	B	40.8906	140.6408	35	7.89	643	1350.1	9.3	-9.4	-55.9	19.5
Aomori	B	41.0044	140.5872	61.9	10.93	643	1628.4	8.1	-9.5	-57.3	18.5
Aomori	B	41.2017	140.5406	58.7	8.74	660	1523.5	7.7	-9.7	-59.0	18.9
Aomori	B	41.1019	140.3764	220.6	2.45	643	1458.7	8.6	-11.1	-66.1	22.7
Aomori	B	41.0431	140.4772	106.3	4.66	643	1605.6	8.3	-9.6	-56.8	19.8
Aomori	B	40.4706	139.9867	147.7	9.59	670	1834.3	8	-10.1	-58.8	22.2
Aomori	B	40.4908	140.3108	644					-11.0	-65.8	22.5
Aomori	B	40.5	140.4342	302	3.32	683	2258.8	5.8	-10.4	-64.5	19
Aomori	B	40.4686	140.6714	236.3	2.66	683	2244	6.2	-10.5	-64.2	19.8
Aomori	B	40.5608	141.0383	236	2.42	645	1819.5	7.1	-10.1	-65.5	15.6
Aomori	B	40.4278	141.1433	247.3	3.13	645	1607	7.4	-10.2	-66.0	15.7
Aomori	B	40.3139	141.0508	377	1.14	645	1334.6	8.5	-10.5	-61.0	22.8
Aomori	B	40.3753	141.5694	321.1	2	645	1494.9	7.7	-10.1	-64.8	16
Aomori	B	40.6561	140.2125	264.7	1.76	632	1261.4	7.8	-10.7	-61.3	24.4
Aomori	B	40.565	140.2236	351	3.51	643	1641.9	8.3	-10.4	-62.0	21.6
Aomori	B	40.6878	140.1	157.3	2.47	683	1555.4	7.9	-10.2	-58.6	22.6
Aomori	B	41.3206	141.3681	60	15.58	663	1642.8	7.3	-9.0	-55.8	16.3
Aomori	B	40.5003	140.9683	513	0.14	670	1221.3	8.9	-11.1	-68.9	19.5
Aomori	B	40.4956	140.3036	591.3	1.61	645	1779.9	6	-11.1	-66.7	22
Iwate	B	40.3886	141.5992	279	1.9	632	1328.1	7.9	-10.7	-67.9	17.5
Iwate	B	40.2583	141.3342	224	4.76	632	1022.3	7.5	-11.2	-71.9	17.6
Iwate	B	40.1981	140.9756	459.3	12.73	645	1534.1	5.8	-11.5	-71.4	20.7
Iwate	B	40.0133	140.8992	811	3.35	669	1917.6	4.1	-11.8	-75.9	18.3
Iwate	B	39.9806	141.0428	351.2	4.59	669	1281.2	7.9	-11.5	-72.7	19.4
Iwate	B	40.07	141.6069	446.7	7.17	598	1241.3	5.7	-12.0	-77.1	18.8
Iwate	B	39.9278	141.5486	603.1	6.23	598	1230.8	5.7	-12.1	-78.9	18.1
Iwate	B	40.0597	141.3875	503.7	4.64	598	995.8	6.3	-11.6	-75.0	18.1
Iwate	B	39.8253	141.7758	194.7	2.73	610	1176.8	7.5	-10.5	-70.2	13.5
Iwate	B	39.7964	141.4083	768.3	17.61	598	1341.1	4.2	-11.1	-71.4	17.4
Iwate	B	39.6528	141.8114	188.2	4.71	610	1249.5	8.9	-10.2	-66.6	14.8
Iwate	B	39.5925	141.5978	461.7	3.13	618	1382.5	6.2	-10.4	-69.0	14.2

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Iwate	B	39.4806	141.4922	502.2	17.63	618	1543.1	6.2	-11.0	-68.6	19.7
Iwate	B	39.5936	141.3747	564.4	14.29	617	1409.1	5	-10.8	-66.6	19.5
Iwate	B	39.7425	140.8875	555	3.36	669	2224.7	6.7	-10.8	-67.5	18.8
Iwate	B	39.6036	140.8683	303.3	4.76	668	2242.3	8	-10.5	-63.9	20.4
Iwate	B	39.3347	140.8983	241.7	1.74	666	2070	8.4	-10.4	-60.3	22.5
Iwate	B	39.4419	140.7033	476	3.28	666	2204.9	7.2	-11.2	-63.6	25.6
Iwate	B	39.2239	140.8047	450.7	65.26	666	2337.6	5.6	-11.3	-65.5	25.1
Iwate	B	39.0225	140.9642	256	17.56	676	1901.3	8.1	-10.6	-63.0	21.4
Iwate	B	38.9556	140.8942	343.3	1.89	676	1948.9	8.6	-10.0	-61.7	18.2
Iwate	B	38.8328	141.4175	191.7	3.41	655	1311.6	9.4	-8.9	-56.1	15.3
Iwate	B	39.1031	141.4833	336.7	3.29	624	1516.1	8.2	-9.8	-60.6	18
Iwate	B	39.1961	141.6731	369.7	10.6	628	1750.7	6	-10.4	-64.8	18.2
Iwate	B	39.2806	141.4939	474.9	5.32	618	1209.8	7.7	-9.9	-64.7	14.7
Iwate	B	39.3317	141.7386	381.7	8.4	629	1641.5	6.3	-10.2	-65.5	16.4
Iwate	B	39.5033	141.89	100	6.31	629	1562.5	8.8	-9.7	-60.5	17.5
Iwate	B	39.5517	142.0097	139	6.74	629	1387.5	8.5	-9.8	-58.9	19.6
Iwate	B	39.6753	141.5278	688.1	8.36	598	1397.8	5.6	-11.7	-72.3	21.1
Iwate	B	39.8594	141.7214	321	9.63	610	1137.7	6.8	-11.8	-78.0	16.3
Miyagi	B	38.8625	140.6297	464.7	11.76	710	2051.5	7.4	-10.5	-62.8	21
Miyagi	B	38.81	140.8036	231.3	4.43	676	1692.6	9.4	-9.3	-57.3	16.9
Miyagi	B	38.8753	140.9283	149	2.77	676	1650.1	10.1	-9.0	-56.5	15.4
Miyagi	B	38.7864	141.33	66	2.43	655	1143.6	10.3	-9.0	-55.3	17
Miyagi	B	38.6508	141.3719	134.7	3.56	655	1290.5	10.1	-8.8	-52.5	17.9
Miyagi	B	38.6158	141.4356	54	8.25	672	1346.7	10.2	-8.7	-51.7	18.3
Miyagi	B	38.4661	141.4353	66.6	4.55	690	1448.2	10.8	-8.3	-50.9	15.6
Miyagi	B	38.5981	141.3319	65.9	3.51	690	1207.9	9.6	-9.2	-54.6	18.7
Miyagi	B	38.6106	140.6244	293.1	4.73	710	1607.5	8.5	-9.9	-56.5	22.8
Miyagi	B	38.6772	140.735	175	10.87	677	1604.8	9.2	-9.4	-58.7	16.1
Miyagi	B	38.7142	140.8881	104.3	4.68	676	1337.5	10.3	-8.6	-53.4	15.7
Miyagi	B	38.4492	140.6725	684	2.93	724	1819.3	5.7	-10.7	-65.8	19.9
Miyagi	B	38.5117	140.7131	314	2	689	1671.5	9	-9.8	-58.5	20.2
Miyagi	B	38.2994	140.5514	482.7	7.4	724	1440.4	7.8	-10.0	-60.4	19.9
Miyagi	B	38.3328	140.6481	345.7	4.6	724	1572	9.2	-9.9	-59.6	19.2
Miyagi	B	38.2131	140.6931	159.9	4.91	536	1038.3	7.9	-8.5	-55.9	12.4

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Miyagi	B	38.1767	140.575	293	6.04	724	1623.1	9.5	-8.9	-58.0	13.4
Miyagi	B	38.0339	140.4197	547	0.59	698	1521.5	8.5	-10.1	-64.1	17.1
Miyagi	B	38.08	140.5414	623.3	3.05	698	1768.4	7.5	-10.3	-66.5	15.6
Miyagi	B	37.9297	140.4967	321.3	7.63	698	1312.6	8.8	-9.7	-61.3	16.4
Miyagi	B	37.8464	140.7056	387.1	2.12	705	1297.4	9.6	-9.0	-58.9	12.9
Miyagi	B	38.9631	141.5242	132.7	1.94	655	1432.4	9.4	-9.1	-56.5	16.2
Akita	B	40.4239	140.0667	205	5.7	670	2068.6	7.1	-10.0	-58.9	20.7
Akita	B	40.4286	140.2733	567.3	6.23	683	2327.5	5.9	-10.9	-64.2	22.7
Akita	B	40.4292	140.4586	393.3	6.89	683	2390	7	-10.5	-64.2	19.5
Akita	B	40.31	140.6125	137	9.57	683	1677.9	8.3	-9.1	-57.2	15.4
Akita	B	40.4053	140.7606	363.6	10.84	645	1789.5	6.3	-10.4	-64.6	18.7
Akita	B	40.3256	140.9336	461.7	6.24	645	1585.5	6.6	-10.4	-63.1	20.1
Akita	B	40.1086	140.8478	298.2	8.31	668	1426.4	6.6	-11.1	-66.9	21.7
Akita	B	40.1244	140.6275	241.7	14.14	685	1774.2	6.8	-10.4	-59.7	23.5
Akita	B	40.2092	140.4492	97	7.25	683	1576.9	8.9	-8.9	-54.4	16.5
Akita	B	40.2939	140.1281	138.1	3	670	1761.1	9.7	-8.9	-52.9	18.3
Akita	B	40.1164	140.2811	64.7	8.17	685	1671.8	9.4	-8.5	-51.2	17.1
Akita	B	40	140.1931	103.7	5.17	686	1776.5	9.2	-8.7	-50.1	19.1
Akita	B	39.8753	140.2497	208.7	7.96	686	2559.5	7	-9.1	-55.0	17.5
Akita	B	39.9247	140.5617	343	16.85	686	2324.1	6.6	-10.7	-64.0	21.5
Akita	B	39.7817	140.6919	413.7	2.93	669	2348.5	7.4	-10.2	-62.0	19.4
Akita	B	39.7403	140.3989	271.9	8.93	686	2554	8.1	-9.3	-55.2	19.1
Akita	B	39.6386	140.4597	199.1	6.15	686	2148.1	8.7	-9.1	-54.5	18.5
Akita	B	39.6611	140.6656	184.4	4.09	686	2179.5	9.1	-9.1	-55.4	17.2
Akita	B	39.5392	140.7006	300.7	10.74	666	2382	6.1	-10.6	-60.8	24.2
Akita	B	39.4372	140.2519	74.4	4.82	692	1963	9.9	-8.7	-50.8	19.2
Akita	B	39.5797	140.1278	41.7	5.68	696	1847	10.2	-8.7	-49.6	20
Akita	B	39.375	140.1556	169.3	4.68	695	2027.2	8.9	-9.0	-53.4	18.4
Akita	B	39.2322	140.1911	207.3	4.35	692	2131	8.7	-9.5	-54.1	22.2
Akita	B	39.1256	140.3667	267.3	4.46	695	1834.2	8.5	-10.4	-57.1	26
Akita	B	39.2336	140.6239	213.8	6.63	692	1665.5	8.6	-9.8	-56.1	22.5
Akita	B	39.1694	140.6794	281	2.28	691	1720.6	8.1	-10.5	-58.1	25.6
Akita	B	38.9603	140.5008	323.3	8.84	710	2191.5	6.1	-10.6	-62.8	21.9
Akita	B	39.0739	140.2278	347.1	4.17	710	2920.9	7.6	-10.2	-59.3	22.5

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Akita	B	39.1597	139.9525	263.7	5.96	696	3004.7	8.1	-9.5	-55.8	20
Akita	B	39.8989	139.7639	430.2	0.72	687	1538.1	9.7	-9.1	-53.6	19.2
Yamagata	B	39.0658	139.9581	250.7	4.41	723	3155	8.5	-10.3	-57.5	25.2
Yamagata	B	38.9478	140.0725	217.7	7.48	723	2701	8	-9.5	-55.0	21
Yamagata	B	39.0181	140.3458	376.7	1.7	710	2232.4	8	-9.8	-56.1	22.3
Yamagata	B	38.7589	140.3806	258.4	12.95	710	1912.2	8.3	-9.3	-57.2	17.2
Yamagata	B	38.7831	140.1392	108.3	2.82	723	2220.4	9.5	-8.7	-52.4	17.6
Yamagata	B	38.6553	140.1208	204	9.17	723	2768.1	7.3	-9.1	-53.4	19.3
Yamagata	B	38.6458	139.7586	249.7	2	723	2817.3	9.1	-9.6	-51.8	25.1
Yamagata	B	38.5317	139.7111	334.7	2.98	767	2837	8.1	-9.4	-53.5	21.3
Yamagata	B	38.3889	139.9675	524.7	16.2	767	2743.2	6.1	-10.3	-62.6	19.5
Yamagata	B	38.5728	140.1769	419.9	16.16	734	2562	5.6	-10.4	-63.5	19.8
Yamagata	B	38.4656	140.4503	364.7	4.94	724	1340.3	8.5	-10.2	-63.4	18.3
Yamagata	B	38.2925	140.4664	428.7	3.73	724	1351	7.1	-9.5	-61.3	14.6
Yamagata	B	38.2728	140.0517	441.3	1.23	767	1971.7	7.2	-10.8	-65.2	21.6
Yamagata	B	38.4681	139.7394	334.7	4.01	767	2837.8	8.8	-9.4	-53.2	22.2
Yamagata	B	38.1511	139.8469	510.3	13.84	767	2718.8	6.8	-9.9	-62.7	16.4
Yamagata	B	37.9411	139.7028	346.9	4.28	770	2810	7.3	-10.3	-64.6	17.6
Yamagata	B	38.0364	139.9042	407	10.18	770	2138.3	8.4	-10.3	-60.6	21.4
Yamagata	B	37.8439	139.8894	608.6	4.78	770	2106.4	5.4	-11.2	-67.0	22.4
Yamagata	B	37.7839	140.0672	728.8	6.32	770	1722.7	5.6	-11.4	-69.8	21.8
Yamagata	B	37.8394	140.1381	434.6	3.6	770	1599.6	8.1	-10.8	-66.4	19.8
Yamagata	B	38.9444	140.3742	291.7	3.45	710	2058.2	8.3	-10.1	-59.3	21.3
Yamagata	B	38.6336	139.8817	167.7	1.46	723	2605.4	9.2	-8.9	-52.5	18.4
Yamagata	B	38.6611	140.4736	265.7	5.9	710	1543.3	8.9	-9.6	-56.4	20.3
Yamagata	B	38.0967	140.1256	367.7	3	768	1374.1	9.7	-10.6	-63.3	21.7
Yamagata	B	38.0922	140.4008	686.7	2.06	703	1653.1	6.2	-10.4	-66.3	17.3
Yamagata	B	37.9417	140.2536	424	7.09	698	1304.3	7.3	-10.8	-63.0	23.7
Yamagata	B	38.5528	139.8625	298.7	13.92	767	2706.7	7.8	-9.9	-55.3	24.2
Yamagata	B	38.4628	140.1672	365.9	4.99	757	2098.4	8	-10.7	-62.1	23.3
Fukushima	B	37.7431	139.6906	441.8	8.1	775	2355.4	8.2	-10.7	-63.0	22.5
Fukushima	B	37.7308	139.9561	608.7	6.17	770	1575.7	6	-11.2	-68.4	21.4
Fukushima	B	37.6661	140.2017	871.3	7.02	698	1967.1	5.1	-11.3	-71.8	18.4
Fukushima	B	37.8425	140.3692	282	13.21	698	1394.6	9.3	-10.4	-63.2	19.8

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Fukushima	B	37.7319	140.5731	277	1.23	698	942	10.8	-9.2	-60.6	13.2
Fukushima	B	37.7733	140.7036	526.7	2.07	705	1253.1	8.8	-9.8	-61.4	17
Fukushima	B	37.5664	140.8761	207.9	8.91	719	1555.9	10.1	-8.3	-51.8	14.9
Fukushima	B	37.5103	140.2064	544.7	7.77	727	1453.1	8.3	-10.2	-61.1	20.9
Fukushima	B	37.3836	140.0425	655.3	4.32	776	1275.6	7.3	-10.6	-65.1	19.3
Fukushima	B	37.3989	139.9078	344.7	2.78	776	1248.7	9.4	-10.1	-64.4	16.4
Fukushima	B	37.3572	139.8017	587.7	8.04	776	1406.2	6.1	-11.3	-71.3	19.3
Fukushima	B	37.2369	139.5992	962	2.39	786	1354.5	6	-11.8	-71.6	22.9
Fukushima	B	37.4231	139.7439	577.4	12.9	776	1540.5	7.4	-11.0	-67.7	20.6
Fukushima	B	37.5203	139.6183	438.7	2.08	786	1952.3	8.7	-10.2	-62.4	19.1
Fukushima	B	37.4767	139.4508	436	21.8	786	2466.6	8	-11.0	-68.7	19
Fukushima	B	37.225	139.3994	580.3	6.41	786	1857.9	6	-11.7	-70.3	23.2
Fukushima	B	37.0186	139.515	923.7	8.13	740	1626.2	4.7	-12.7	-79.9	21.8
Fukushima	B	37.065	139.67	806	9.92	740	1083.4	6.3	-11.6	-70.1	22.8
Fukushima	B	37.1558	139.8056	695.3	6.72	776	1333	6.6	-10.8	-68.5	18
Fukushima	B	37.2214	140.1094	540	4.97	776	1612.6	9	-9.3	-60.6	14.2
Fukushima	B	36.9214	140.3394	413.9	8.48	710	1426.2	9.3	-8.3	-53.3	13.4
Fukushima	B	36.8989	140.7069	207.2	3	710	1831.8	11.2	-7.6	-47.9	12.9
Fukushima	B	36.9944	140.6828	374	1.35	710	1579.2	10.2	-7.7	-50.2	11.2
Fukushima	B	37.3364	140.7403	694.7	3.18	719	1390.4	7.7	-9.6	-59.5	17
Fukushima	B	37.4553	140.8664	173.8	9.42	719	1570.2	9.5	-8.2	-50.5	15.4
Fukushima	B	36.9728	140.2814	522.7	6.89	710	1555.6	8.4	-8.8	-54.9	15.1
Fukushima	B	37.1161	140.5417	515	0.4	719	1213.9	9.9	-8.6	-56.8	11.7
Fukushima	B	37.1847	140.8639	383.3	6.81	719	1730.8	9.2	-7.8	-48.9	13.5
Ibaraki	C	36.8894	140.2644	461.3	1.1	710	1512	10.1	-7.8	-51.6	10.4
Ibaraki	C	36.7208	140.4133	229	0.75	710	1302.4	10.9	-7.8	-47.4	15.3
Ibaraki	C	36.7525	140.5075	380	5.3	710	1698.5	9.3	-8.2	-50.1	15.2
Ibaraki	C	36.8219	140.6094	456	1.6	710	1824.4	10	-7.8	-50.9	11.8
Ibaraki	C	36.8617	140.6239	484.3	2.95	710	1882.8	9	-8.2	-51.2	14.5
Ibaraki	C	36.8847	140.6811	365	0.7	710	1903.2	10.5	-8.0	-49.1	14.7
Ibaraki	C	36.7453	140.6547	185	5.05	710	1751.8	11.5	-7.1	-46.1	10.8
Ibaraki	C	36.6028	140.5972	304.8	2.46	710	1464.1	11.3	-7.9	-46.8	16.6
Ibaraki	C	36.6531	140.3686	172.6	1.25	710	1325.4	11.6	-7.6	-46.2	14.5
Ibaraki	C	36.7031	140.3069	305.3	1.4	710	1341.6	11	-7.5	-47.7	12.1

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Ibaraki	C	36.5339	140.3092	130.3	2.26	732	1328.4	11.9	-7.5	-46.4	13.8
Tochigi	C	36.9581	139.5369	967.4	7.28	740	1639.5	5.6	-11.6	-76.0	16.9
Tochigi	C	36.8819	139.4275	1152	14.38	740	1578.9	4.3	-12.8	-83.6	19.2
Tochigi	C	36.8636	139.5208	906	13.54	740	1959.8	3.5	-11.2	-76.0	13.8
Tochigi	C	36.9433	139.5808	851	7.14	740	1465.1	6	-10.9	-70.2	17.2
Tochigi	C	36.9008	139.6214	761.7	5.74	740	1517.6	7.2	-10.0	-64.4	15.2
Tochigi	C	36.9631	139.7322	796.8	3.49	734	1447.2	7.3	-10.4	-65.7	17.1
Tochigi	C	36.9453	139.8269	670.7	3.99	734	1831.3	9.7	-9.9	-62.7	16.9
Tochigi	C	37.0189	139.9192	549.3	2.89	734	1950	7.5	-8.8	-55.2	15.2
Tochigi	C	37.0325	139.9089	649	6.48	734	1761.5	7.7	-9.5	-60.7	15.3
Tochigi	C	37.0836	139.8997	688.1	18.63	751	1572.1	6.7	-10.4	-66.2	16.7
Tochigi	C	37.0036	140.2142	396.7	4.89	710	1347.3	10.4	-8.4	-54.8	12.8
Tochigi	C	36.9558	140.2192	406	2.49	710	1448.2	9.6	-8.3	-54.2	12.5
Tochigi	C	36.8511	140.2378	342	4.6	710	1439.4	10.1	-8.2	-51.4	14
Tochigi	C	36.8961	140.2189	397.7	3.34	710	1508.4	10.4	-8.3	-52.6	13.8
Tochigi	C	36.8319	140.2283	332.3	0.25	710	1294	11.2	-7.7	-51.1	10.7
Tochigi	C	36.7294	140.2431	256.6	3.8	710	1342.8	10.8	-8.0	-51.3	12.3
Tochigi	C	36.5036	140.2167	147.3	3.81	732	1251.4	11.7	-7.5	-48.3	11.8
Tochigi	C	36.4319	140.1431	227.7	1.71	751	1357.1	11.5	-8.0	-49.1	14.7
Tochigi	C	36.4964	139.4608	341.7	5.62	744	1687.7	10.6	-8.8	-55.8	14.8
Tochigi	C	36.5442	139.5083	386	9.83	744	1839.4	9.9	-8.8	-56.8	14
Tochigi	C	36.5497	139.5422	396.4	6.37	744	1878.7	10.4	-8.9	-55.0	16
Tochigi	C	36.6092	139.5919	371.3	8.67	740	1913.4	10.3	-8.1	-54.2	11
Tochigi	C	36.6933	139.6208	407	7.06	740	1892.9	10.4	-8.3	-54.8	11.5
Tochigi	C	36.6672	139.5575	511.7	6.76	740	1988	9.1	-9.0	-60.1	12.1
Tochigi	C	36.6278	139.3756	908.7	14.18	740	1665.8	6.1	-10.4	-68.3	14.7
Tochigi	C	36.63	139.4736	906.7	6.06	740	1978.7	7.2	-9.7	-63.5	14.3
Tochigi	C	36.7617	139.5692	816	5.6	740	2030.2	6.8	-10.6	-70.0	15.1
Tochigi	C	36.7981	139.6564	502.4	5.05	740	1817.2	9.8	-9.1	-55.8	17
Tochigi	C	36.8025	139.7747	357.3	4	734	1719.7	10.9	-7.8	-51.8	10.6
Tochigi	C	36.8042	139.7442	385	5.45	734	1761.7	10.5	-8.5	-52.9	15.5
Gunma	C	36.5117	138.4553	1267	4.97	753	1420.6	5	-12.4	-83.4	16
Gunma	C	36.5742	138.6478	805.7	5.16	755	1579.2	7.9	-10.2	-69.8	11.7
Gunma	C	36.6031	138.57	1289.3	2.46	736	1705.3	6	-11.8	-79.8	14.9

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Gunma	C	36.6097	138.7486	692.2	1.95	763	1314.7	8.4	-9.5	-64.6	11
Gunma	C	36.5306	138.8706	552.3	2.76	768	1709.9	8.7	-9.3	-63.4	10.8
Gunma	C	36.5169	138.7983	596.7	7.28	768	1747.1	8.5	-10.4	-68.6	14.6
Gunma	C	36.655	138.6519	921	6.71	736	1901.2	7.1	-10.8	-72.4	13.9
Gunma	C	36.685	138.735	957	4.86	761	1808.3	7.4	-10.3	-68.6	13.9
Gunma	C	36.7217	138.8561	682.7	4.81	761	1478.8	8	-9.8	-68.6	10.1
Gunma	C	36.7611	138.9506	617.4	2.8	761	1519.7	9.1	-10.4	-68.1	15
Gunma	C	36.7467	139.0433	729	8.7	761	1427.1	7.7	-10.8	-71.5	15
Gunma	C	36.7275	139.1372	748.3	14.46	756	1212.5	7.1	-10.2	-72.1	9.8
Gunma	C	36.8161	139.0164	625.9	6.65	757	1632.7	8.5	-10.5	-68.8	15.2
Gunma	C	36.8386	139.1369	1181.6	9.35	761	1477.4	3.5	-12.0	-78.1	17.8
Gunma	C	36.7214	139.2547	828.7	2.1	740	1374	8	-10.3	-73.7	8.7
Gunma	C	36.8647	139.2972	1171.6	3.8	740	1482.9	4.6	-12.2	-81.8	15.5
Gunma	C	36.6158	139.2333	777	7.06	740	1380	8.1	-9.8	-68.4	10.1
Gunma	C	36.5464	139.3039	501.9	3.86	744	1550.2	10.2	-7.6	-59.6	0.9
Gunma	C	36.5806	139.4356	633.8	12.98	743	1814.4	8.6	-7.8	-60.0	2.5
Gunma	C	36.4972	139.3944	462.7					-7.3	-57.4	1
Gunma	C	36.4756	139.3158	346	2.76	744	1505.8	11.5	-8.2	-58.9	7.1
Gunma	C	36.5647	139.1036	607.9	24.48	761	1548.4	7.6	-10.2	-69.9	11.4
Gunma	C	36.4053	138.8989	346.4	5.07	768	1523.9	11.2	-8.6	-57.7	11.2
Gunma	C	36.4181	138.7414	628.8	10.3	768	1564.2	8.9	-9.5	-62.9	13
Gunma	C	36.48	138.6678	930.3	3.31	753	1579	7.4	-10.2	-67.5	13.8
Gunma	C	36.2964	138.7222	558.2	3.82	768	1234.1	9.8	-7.9	-61.6	1.3
Gunma	C	36.2264	138.7444	344.1	4.43	768	1121.2	10.6	-7.9	-61.2	2
Gunma	C	36.0975	138.7714	629.3	2.12	768	1227.1	9.2	-9.2	-69.7	3.9
Gunma	C	36.2053	138.8411	401.1	2.92	768	1224.6	10	-9.5	-64.3	11.6
Saitama	C	35.8647	139.2125	247	2.93	750	1575.7	12.1	-8.2	-53.4	11.9
Saitama	C	35.8797	139.1453	448.9	3.44	801	1606.9	10.4	-9.2	-60.8	12.6
Saitama	C	35.9036	139.0819	517.6	2.12	801	1594.5	9.7	-9.8	-66.2	12.4
Saitama	C	35.9219	139.1294	517.6	4.35	801	1591.1	10.1	-9.5	-63.2	12.7
Saitama	C	35.9536	139.1794	449.1	1.67	777	1567.5	10.6	-9.1	-59.4	13.7
Saitama	C	35.9692	139.2347	253.3	1.82	750	1559.2	11.7	-8.2	-54.1	11.8
Saitama	C	36.0094	139.1519	398.6	5.25	801	1512.3	9.8	-9.6	-62.1	14.5
Saitama	C	35.9694	139.1178	329.4	1.87	801	1522.7	10.4	-9.2	-60.8	12.7

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Saitama	C	36.0681	139.075	223	1.01	801	1204.7	12.6	-9.4	-60.3	15.2
Saitama	C	36.1489	139.1519	203.2	1.51	768	1177.2	12.6	-8.6	-57.7	11.4
Saitama	C	36.1261	139.065	350	0.96	768	1211.3	12.1	-8.9	-59.5	12
Saitama	C	36.0836	138.9856	461.1	2.12	790	1181.1	10.4	-9.4	-64.1	11.4
Saitama	C	35.9881	138.9878	382.1	0.71	801	1267	11.3	-9.6	-61.8	14.9
Saitama	C	36.0081	138.9261	523.3	1.41	801	1231.8	9.9	-9.5	-62.3	14
Saitama	C	35.9403	138.8225	773.7	3.23	801	1498.6	7.6	-10.2	-70.8	10.8
Saitama	C	35.9942	138.7739	851.3	33.2	801	1474.6	6.4	-11.4	-78.0	13.2
Saitama	C	35.9283	139.0536	416	11.88	801	1590.5	7.9	-9.6	-65.1	11.9
Saitama	C	35.955	138.9867	346	9.16	801	1606.2	6.7	-9.8	-63.7	14.6
Saitama	C	35.91	138.9786	629.7	1.67	801	1454.1	9.1	-10.5	-70.8	13.4
Saitama	C	36.0019	139.2058	403.7	1.21	750	1549.3	11.5	-8.8	-58.6	12.1
Saitama	C	35.9267	139.2242	295	2.43	750	1548.5	11.7	-8.7	-55.9	13.8
Tokyo	C	35.8525	139.0172	720	29.25	801	1634.3	6.9	-10.4	-71.6	11.5
Tokyo	C	35.8017	138.9983	656	8.4	801	1593	9	-9.9	-68.5	10.6
Tokyo	C	35.8267	139.1342	382	5.31	801	1589	10.3	-9.4	-61.0	14.3
Tokyo	C	35.8236	139.1856	481.8	1.16	768	1598.2	11.6	-8.8	-56.8	14
Tokyo	C	35.7944	139.2478	261.1	0.61	750	1511.5	13.1	-8.5	-54.3	13.5
Tokyo	C	35.7486	139.0822	589.3	1.17	801	1520.5	10	-9.1	-60.7	12.5
Tokyo	C	35.7619	139.1469	599	1.87	801	1544.6	9.8	-9.2	-59.4	13.8
Tokyo	C	35.7083	139.1875	326	5.17	761	1558.9	11.3	-8.6	-54.8	14.2
Tokyo	C	35.6969	139.1258	424	6.75	801	1524.6	10	-9.1	-58.5	14.2
Tokyo	C	35.7217	139.2086	219	1.57	750	1569.8	11.6	-8.3	-52.8	13.7
Tokyo	C	35.6606	139.2522	254.3	1.47	750	1575.5	12.3	-8.5	-52.1	16.2
Tokyo	C	35.6894	139.2144	333	1.83	750	1568.4	11.8	-9.0	-55.7	16.3
Tokyo	C	35.61	139.2458	340	0.51	750	1607.9	12	-8.3	-52.3	14.4
Kanagawa	C	35.1611	139.0531	352.9	4.24	819	2891.9	11.6	-8.2	-51.9	13.4
Kanagawa	C	35.2089	139.1258	219.3	2.96	791	2714.2	12.7	-7.6	-48.8	12.4
Kanagawa	C	35.1653	139.0586	347.1	4.24	819	2932.3	12	-8.3	-52.4	13.6
Kanagawa	C	35.3117	139.0261	499	2.34	819	2783.3	10.7	-8.7	-55.3	14.2
Kanagawa	C	35.3125	139.0672	348.7	3.87	819	2779.4	10.8	-8.5	-52.8	15.3
Kanagawa	C	35.3939	139.08	312.3	1.17	819	2182.8	11.7	-8.3	-54.0	12.1
Kanagawa	C	35.4414	139.0772	499.3	1.07	819	2212.3	11.5	-8.7	-55.4	13.8
Kanagawa	C	35.4308	139.0103	504	3.26	819	2129.2	10.9	-8.5	-55.3	12.9

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Kanagawa	C	35.4742	139.0603	595	3.36	819	2156.3	10.5	-9.0	-58.0	14
Kanagawa	C	35.5047	139.0903	570.7	2.64	819	1951.5	9.4	-9.3	-59.7	14.9
Kanagawa	C	35.4828	139.2044	450.6	1.68	790	2117.7	10.7	-8.8	-56.40	13.6
Kanagawa	C	35.5311	139.1953	372.7	6.1	808	1960.6	11.4	-8.6	-55.9	13
Kanagawa	C	35.4989	139.2697	267.6	1.22	790	1877.4	12.3	-8.1	-50.4	14
Kanagawa	C	35.4667	139.2694	246.3	5.44	790	2014.5	11.9	-8.2	-51.4	14.1
Kanagawa	C	35.4525	139.2128	549	1.88	790	2119.1	9.4	-8.8	-55.1	14.9
Kanagawa	C	35.4386	139.2519	437.3	0.86	790	2038.4	11.4	-8.6	-53.6	14.9
Kanagawa	C	35.3942	139.1136	391	1.07	819	2214.5	11.4	-8.2	-52.6	13.3
Kanagawa	C	35.4186	139.1242	513	1.12	819	2264.6	10.9	-8.7	-55.0	15
Kanagawa	C	35.6325	139.1483	244	2.33	801	1559.7	11.7	-8.9	-57.7	13.7
Kanagawa	C	35.6042	139.1431	215	0.96	801	1501	12.9	-8.6	-55.5	13.1
Kanagawa	C	35.5825	139.2175	216	1.32	790	1709.3	12.6	-8.5	-53.3	14.4
Kanagawa	C	35.5278	139.2689	287.1	0.51	790	1848.3	11.7	-8.7	-52.8	16.8
Niigata	D	38.4011	139.5697	253.7	2.79	779	2800.5	9.2	-9.0	-50.7	21.3
Niigata	D	38.295	139.6075	137	9.6	779	2646.5	9.2	-9.6	-55.7	20.9
Niigata	D	38.2486	139.6494	171.8	1.81	779	2589.5	8.8	-9.4	-54.2	21.2
Niigata	D	38.2056	139.6217	260.3	7.85	779	2701.8	9.7	-9.4	-55.3	19.8
Niigata	D	38.1586	139.5944	162.2	2.9	779	2801.9	9.5	-9.6	-54.9	21.9
Niigata	D	38.1119	139.5658	90.7	2.95	779	2678.6	10.6	-9.1	-51.1	21.6
Niigata	D	37.9186	139.5667	456.3	4.04	801	3063.3	6.4	-10.3	-57.8	24.7
Niigata	D	37.9647	139.4533	154.7	3.69	801	2888.3	10.1	-9.5	-56.8	19.2
Niigata	D	37.8922	139.4453	299.1	3.45	801	3030.3	7.7	-9.2	-51.8	21.6
Niigata	D	37.8161	139.4622	209.9	2.86	801	2864.8	8.8	-9.5	-56.7	19.4
Niigata	D	37.8189	139.3981	265	2.47	801	2982	9.6	-9.9	-55.7	23.1
Niigata	D	37.7414	139.4322	134.1	4.1	801	2452	10	-9.6	-54.6	22.2
Niigata	D	37.7322	139.5233	196.7	3.9	801	2376.6	9.8	-10.6	-58.7	26
Niigata	D	37.6181	139.4003	273.7	5.84	801	2489.5	9.8	-10.5	-57.5	26.1
Niigata	D	37.7025	139.3114	205.3	2.52	801	2566.6	9.8	-10.1	-55.1	26
Niigata	D	37.6022	139.1442	167.7	5	801	2773.6	9.6	-10.1	-55.7	24.8
Niigata	D	37.5081	139.3428	287.1	7.73	786	2768.2	7.4	-10.7	-61.5	24.3
Niigata	D	37.4686	139.1369	352	1.29	807	2926.7	9	-9.6	-54	23
Niigata	D	37.4028	139.0922	563.3	1.79	807	3095.9	7.6	-10.5	-59.5	24.3
Niigata	D	37.4233	138.9525	256	1.74	807	2874.4	9.5	-9.5	-53.5	22.3

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Niigata	D	37.3258	139.0769	322.7	2.43	807	2907.8	8.6	-10	-57.3	22.6
Niigata	D	37.2292	139.0758	265	4.97	807	2904.7	9.5	-10	-55.7	24.1
Niigata	D	37.1528	139.0783	475	4.63	807	2838.8	5.6	-10.9	-63	24.1
Niigata	D	37.0925	138.9858	389	9.71	764	2604.5	7.3	-11.0	-64.0	24.4
Niigata	D	37.0386	138.9936	395.6	7.73	761	2290.8	7.8	-10.7	-64.5	21.1
Niigata	D	37.0019	138.9044	413.6	4.94	761	2123.1	7.9	-11.0	-65.1	22.8
Niigata	D	37.245	138.6106	276	1.54	776	2922	10.2	-8.4	-48.7	18.3
Niigata	D	37.2864	138.4483	199.7	2.98	776	2877.8	10.8	-9.1	-50.9	21.9
Niigata	D	37.2514	138.5747	114.7	3.03	776	2960.8	9.7	-9.6	-54.9	22.3
Niigata	D	37.105	138.6783	414	1.15	772	2359.5	10.2	-9.7	-57.3	20.6
Niigata	D	36.9964	138.7642	552.3	2.29	761	2082.8	9.3	-9.2	-56.0	17.3
Niigata	D	36.8908	138.6411	686	2.7	736	2163.2	5	-10.4	-66.3	16.7
Niigata	D	36.865	138.8517	665	26.04	761	1926.4	5.3	-11.1	-69.0	19.8
Niigata	D	37.0253	138.4017	485	5.09	736	2340.5	7.9	-10.4	-58.1	25.4
Niigata	D	37.0642	138.2092	251	2.89	736	2810.4	10.3	-10.2	-55.0	26.7
Niigata	D	37.0525	138.0244	195.7	4.83	803	2993.6	8.7	-9.9	-55.1	23.7
Niigata	D	36.9825	138.0244	517.7	10.63	803	2693.9	4.2	-12.1	-72.5	24.6
Niigata	D	36.9731	137.85	204	6.98	803	2820.2	10.3	-10.0	-56.7	23.3
Niigata	D	36.8403	137.8233	1171.3	1.7	803	2620.2	3.8	-12.7	-79.5	22.3
Toyama	D	36.9447	137.5983	103.3	8.78	820	3159	9.4	-9.8	-56.4	22
Toyama	D	36.9317	137.6697	289.3	5.99	820	3212	8.6	-9.8	-57.3	21.1
Toyama	D	36.8769	137.6339	290.6	13.29	820	3273.8	8.1	-10.7	-63.7	21.7
Toyama	D	36.8383	137.5772	273.3	10.49	820	3288.6	9.5	-9.8	-60.6	17.7
Toyama	D	36.825	137.5144	142.3	9.85	820	3303.6	9	-9.9	-59.7	19.7
Toyama	D	36.765	137.5069	303.3	4.05	820	3285.3	8	-10.5	-63.4	20.4
Toyama	D	36.7467	137.4594	242	2.75	820	3171.2	10	-9.5	-56.2	19.7
Toyama	D	36.7286	137.5394	641.9	29.93	820	3150.1	4.6	-10.6	-64.9	19.7
Toyama	D	36.6436	137.5633	816.3	18.34	820	2872.9	1.7	-12.9	-82.5	20.8
Toyama	D	36.6086	137.3983	326	11.23	820	2806.4	9.1	-10.1	-62.9	18.2
Toyama	D	36.6458	137.4425	363	11.28	820	2893.1	8.5	-9.9	-60.6	18.5
Toyama	D	36.5925	137.4706	587.7	6.27	820	2880.1	7.6	-10.8	-65.5	20.9
Toyama	D	36.5106	137.4519	977.1	6.17	819	2672.6	5.2	-10.5	-69.4	14.4
Toyama	D	36.5042	137.505	1228	17.47	819	2592.7	0.7	-13.2	-87.9	17.8
Toyama	D	36.4519	137.4144	1129.7	5.12	817	2411.3	5.8	-10.8	-71.2	14.9

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Toyama	D	36.5247	137.2789	406	3.71	819	2559.7	9.2	-9.2	-56.8	16.8
Toyama	D	36.5214	137.155	353.3	6.37	834	2586.9	9.1	-9.6	-57.2	19.2
Toyama	D	36.3961	137.0222	844.3	16.79	834	2787	5.6	-10.8	-65.0	21.3
Toyama	D	36.3969	136.9356	376.2	7.84	834	2605.5	6.7	-10.8	-65.1	21
Toyama	D	36.4528	136.86	358.7	5.12	834	2797.2	8.2	-9.8	-58.8	19.7
Toyama	D	36.4875	136.9828	224	4.87	617	1994.9	7.6	-9.9	-61.8	17.4
Toyama	D	36.5581	137.0136	227.3	3.81	834	2724.2	9.5	-9.5	-55.0	20.8
Toyama	D	36.7253	136.8325	131.7	2.8	835	2366.8	12.4	-8.6	-47.8	21.2
Toyama	D	36.9417	136.9478	212	1.4	835	2234.8	11.8	-8.9	-50.5	21.1
Toyama	D	36.765	136.8672	223.7	4	835	2526.1	11.5	-9.0	-50.8	21.1
Toyama	D	36.9203	136.9858	52.7	2.35	835	2135.4	12.6	-8.5	-47.4	20.7
Toyama	D	36.8297	136.8758	41.3	14.7	835	2404.2	11.9	-8.5	-46.8	20.9
Toyama	D	36.4269	137.0819	593.2	3.17	834	2618.7	5.9	-10.6	-63.8	20.9
Ishikawa	D	37.5167	137.2697	50.3	0.79	819	1914.4	12	-7.8	-43.7	18.5
Ishikawa	D	37.4672	137.2267	58.3	2.08	819	2086	12.2	-8.1	-44.6	20
Ishikawa	D	37.4858	137.1514	80.3	4.36	813	2041.8	11	-8.6	-46.5	22.1
Ishikawa	D	37.4203	137.1514	233.3	1.79	827	2217.2	11	-8.9	-49.5	21.8
Ishikawa	D	37.3656	137.1908	149.3	2.13	821	1995.2	11.8	-8.6	-48.7	20.5
Ishikawa	D	37.2983	137.0783	77	2.38	827	2006.7	12.2	-8.3	-48.7	17.4
Ishikawa	D	37.3808	136.9983	285	3.87	827	2283.8	10.7	-9.1	-47.9	25
Ishikawa	D	37.3439	136.9567	240	2.93	827	2276.7	10.9	-9.1	-48.4	24.7
Ishikawa	D	37.2956	136.8192	54.3	6.06	827	2090.2	11.9	-8.8	-47.2	23.3
Ishikawa	D	37.3714	136.8078	82.9	2.83	758	1842.4	10.4	-8.7	-46.8	22.8
Ishikawa	D	37.2325	136.8367	206	2.14	827	2100.9	11.3	-8.6	-47.4	21.3
Ishikawa	D	37.2289	137.02	69	1.69	827	1903	12.2	-8.0	-47.0	17.1
Ishikawa	D	37.1778	136.8153	182.6	2.14	827	1993.8	11.8	-8.5	-48.5	19.9
Ishikawa	D	37.1925	136.8975	31	2.34	400	919.7	6	-8.2	-46.1	19.8
Ishikawa	D	37.1258	136.9814	132.3	0.45				-8.0	-46.9	16.9
Ishikawa	D	36.9744	137.0369	51.3	1.65	696	1793.4	10.4	-8.8	-47.7	22.8
Ishikawa	D	36.9161	136.8547	99.7	1.7	835	2055.1	11.5	-8.5	-47.9	20.4
Ishikawa	D	36.8275	136.8064	81.3	2.8	835	2362.6	12.1	-8.4	-46.2	20.7
Ishikawa	D	37.2956	136.8194	53.8	4.7	835	2545.8	11.1	-9.4	-51.0	24
Ishikawa	D	36.5231	136.7739	370.8	2.51	834	2894.1	9.3	-9.3	-52.6	21.9
Ishikawa	D	36.3836	136.6583	255.7	18.35	838	2912.6	9.3	-9.5	-54.7	21.6

Prefecture	Region	Latitude N	Longitude E	ELV (m)	ARA (km ²)	AET (mm/year)	MAP (mm/year)	MAT (°C)	δ ¹⁸ O (‰)	δ ² H (‰)	d (‰)
Ishikawa	D	36.2492	136.7392	774	1.31	834	3017.8	6.7	-10.5	-62.4	21.3
Ishikawa	D	36.2914	136.6017	286.3	6.04	848	2837.1	8.9	-9.4	-55.9	19.7
Ishikawa	D	36.1131	136.7092	913	10.95	833	3424	4	-11.0	-66.7	21.3
Ishikawa	D	36.1306	136.6272	830	3.13	848	3025.6	6.4	-10.4	-61.4	22.2
Ishikawa	D	36.1939	136.4253	255.3	26.06	848	3178	9.1	-9.7	-54.4	23.4
Ishikawa	D	36.2269	136.4597	353.7	2.97	848	3209.8	10	-9.4	-51.6	24
Ishikawa	D	36.2928	136.5133	179.7	8	848	2974.4	11.3	-8.9	-49.9	21.5
Ishikawa	D	36.4356	136.7483	361.7	1.05	834	2979.4	9.4	-9.7	-52.1	25.8
Fukui	D	35.4697	135.5408	40.7	2.75	895	1899.3	13.1	-8.3	-44.0	22.7
Fukui	D	35.4506	135.7378	83.7	3.46	880	2129.5	12	-8.4	-45.8	21
Fukui	D	35.4394	135.8281	139.7	8.24	880	2225.7	11	-8.8	-48.9	21.9
Fukui	D	35.5322	135.9194	118	5.89	880	2336.5	11.5	-9.0	-47.8	24.5
Fukui	D	35.5886	135.9778	188.4	2.44	874	2429.1	11.8	-8.8	-47.6	23.1
Fukui	D	35.5917	136.1347	193	7.41	880	2533.4	11.4	-9.0	-48.9	23
Fukui	D	35.7317	136.1964	229	8.52	828	2705.4	10.3	-9.3	-50.3	24.4
Fukui	D	35.7858	136.2844	222.7	6.33	815	2629.7	10.4	-9.3	-50.8	23.4
Fukui	D	35.7933	136.1292	248	3.95	859	2503.9	11.4	-9.2	-48.0	25.6
Fukui	D	35.8794	136.0981	144.4	2.83	859	2196.1	13.2	-8.6	-46.3	22.8
Fukui	D	35.9611	136.0169	228	0.91	859	2245.6	13.4	-8.6	-47.6	21.2
Fukui	D	36.0161	136.0411	278	3.84	859	2280.6	12.4	-9.0	-48.1	23.7
Fukui	D	36.0972	136.0797	219.6	3.08	838	2273.7	11.8	-9.1	-46.1	26.3
Fukui	D	36.1406	136.3542	252	5.7	848	3033.8	9.4	-9.7	-52.0	25.4
Fukui	D	36.1	136.5264	318	3.53	848	2857.1	11.1	-9.5	-53.7	22.6
Fukui	D	36.0161	136.6917	588.7	10.1	825	3369.8	6.8	-10.7	-64.2	21.2
Fukui	D	35.8914	136.6086	556.6	5.46	815	2691	9.5	-9.7	-56.2	21.1
Fukui	D	35.9189	136.7217	632.3	13.15	825	3088.1	8	-10.5	-60.9	23.4
Fukui	D	35.8389	136.6497	602	10.63	815	3195.4	8.8	-9.6	-57.6	19.6
Fukui	D	35.8522	136.4578	549.9	3.69	815	2681	9	-9.7	-56.5	21.3
Fukui	D	35.8506	136.3675	319	11.34	815	2607.7	10.2	-9.3	-53.4	20.8
Fukui	D	35.9408	136.3767	218	2.83	815	2644.9	11.3	-9.2	-49.7	23.9
Fukui	D	35.9867	136.3506	176	3.74	815	2434.8	11.5	-9.2	-50.4	23.6
Fukui	D	36.1053	136.4217	176	6.61	848	2953.8	11	-9.6	-53.5	23.7
Fukui	D	35.8622	136.2569	181.3	3.24	815	2537	11.1	-9.1	-49.4	23.7
Fukui	D	35.9986	136.5969	449.6	4.55	815	2646.7	9.5	-10.0	-58.4	21.6

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Fukui	D	35.6844	136.2697	470.2	6.9	815	2761.8	8.1	-10.0	-54.4	25.6
Fukui	D	36.0317	136.4531	239	0.86	815	2473.1	11.2	-9.0	-49.1	22.9
Yamanashi	C	35.2233	138.4175	568	6.78	850	2918.7	9.9	-9.5	-58.4	17.3
Yamanashi	C	35.2706	138.4125	395.3	8.77	850	2730.6	10.4	-9.4	-59.9	15.2
Yamanashi	C	35.3636	138.4572	229.8	5.7	850	2099.1	10.8	-9.3	-62.2	12.1
Yamanashi	C	35.4594	138.3542	611.3	3.41	850	1877.1	8.6	-10.8	-72.4	14.1
Yamanashi	C	35.4953	138.565	554	15.5	822	1537.6	9.3	-10.4	-68.4	14.9
Yamanashi	C	35.5419	138.305	772	8.64	850	2123.5	6.6	-11.5	-76.3	15.7
Yamanashi	C	35.6053	138.4047	929.7	3.2	804	1664.3	7.7	-12.1	-79.8	16.7
Yamanashi	C	35.5289	138.4253	446.7	6.35	850	1649.7	11	-10.4	-69.4	13.5
Yamanashi	C	35.7058	138.4158	498	5.98	800	1432.8	10.2	-11.1	-74.8	14.2
Yamanashi	C	35.815	138.2817	883	10.13	800	1637.9	6.5	-11.6	-80.2	12.8
Yamanashi	C	35.7492	138.3961	498	4.71	800	1350.7	10.8	-11.2	-73.6	16.1
Yamanashi	C	35.9014	138.4028	1224.8	5.01	800	1244.4	7.1	-11.2	-75.7	13.5
Yamanashi	C	35.8297	138.4983	885	3.04	800	1146.4	7.5	-11.3	-76.7	13.9
Yamanashi	C	35.8592	138.5675	1273	6.73	800	1368.5	5.7	-11.4	-80.8	10.4
Yamanashi	C	35.7422	138.5694	684.4	4.26	800	1054.7	8.6	-11.1	-74.0	14.4
Yamanashi	C	35.7456	138.6203	990.4	3.8	800	1035.5	9.1	-11.1	-74.1	14.7
Yamanashi	C	35.8175	138.7536	862.7	7.29	801	1454.7	7.5	-11.2	-73.7	16
Yamanashi	C	35.8692	138.7456	1166.7	4.6	801	1592.3	5.6	-11.5	-76.8	15
Yamanashi	C	35.8114	138.8258	1171	11.9	801	1534.4	7	-11.0	-73.5	14.7
Yamanashi	C	35.7992	138.9561	684.3	3.19	801	1600.8	8.9	-10.0	-68.9	10.7
Yamanashi	C	35.6756	138.9297	735.2	3.65	801	1436.5	9.6	-10.1	-67.5	13
Yamanashi	C	35.6669	138.8208	1152.3	5.88	801	1398.4	6.8	-11.0	-76.5	11.5
Yamanashi	C	35.6564	139.0636	494.9	2.59	801	1417.6	11.1	-9.1	-63.0	9.9
Yamanashi	C	35.5872	139.0958	429.7	1.57	819	1534.5	11.9	-9.1	-60.2	12.2
Yamanashi	C	35.4992	139.0278	828.7	3.61	819	2077.9	9	-9.0	-60.0	12.1
Yamanashi	C	35.5517	138.9858	594	8.18	819	1795.5	9.3	-9.7	-65.2	12.6
Yamanashi	C	35.5647	138.8308	751.7	7.52	819	1551.3	7.7	-10.4	-69.4	13.9
Yamanashi	C	35.5517	138.7108	1068	6.15	819	1599.8	7.2	-11.0	-72.7	15.4
Yamanashi	C	35.5353	138.6486	765.1	3.46	850	1624.1	7.8	-10.5	-67.6	16.6
Yamanashi	C	35.4869	138.9022	784.8	3.97	819	2000.8	8.1	-10.3	-67.5	14.6
Nagano	C	35.5667	137.7669	914	19.29	824	2686.9	6.3	-10.7	-68.9	17
Nagano	C	35.4386	137.6686	935.1	7.58	846	2828.7	7	-10.5	-69.0	14.8

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Nagano	C	35.3411	137.6531	1063.7	10.34	846	2828.9	6.7	-10.1	-65.6	15
Nagano	C	35.8247	137.8664	1209.1	11.14	818	2638.7	3.9	-12.5	-83.3	16.9
Nagano	C	35.6706	137.8431	1505.1	20.24	818	2731.2	4.7	-12.3	-80.3	17.7
Nagano	C	35.3339	137.8586	432.1	34.57	833	1662.9	9.3	-10.3	-69.9	12.4
Nagano	C	35.3908	138.0342	912	58.5	833	2195.3	5.4	-11.0	-71.9	16
Nagano	C	35.58	138.0997	1224	19.7	832	2042.7	3.5	-11.3	-78.7	12
Nagano	C	35.9119	138.6522	1521.8	15.68	800	1508.4	3.1	-11.9	-84.4	11.2
Nagano	C	36.01	138.6047	1404.3	7.68	800	1451.8	5.5	-11.9	-84	10.8
Nagano	C	36.12	138.5861	1078.3	5.5	753	1299.2	5.8	-11.2	-79.8	10.1
Nagano	C	35.9614	138.3131	1760.2	9.1	800	1499.5	2.1	-12.6	-87.2	13.5
Nagano	C	36.1828	138.0844	1226.6	7.81	835	1351.4	5.9	-12.3	-81.4	16.7
Nagano	C	36.0431	138.2042	1046	7.92	798	1374.6	7.3	-11.2	-77.5	12.1
Nagano	C	36.2556	138.1906	1026.4	7.86	789	1313.9	6.9	-12.1	-81.2	15.4
Nagano	C	35.9528	137.8808	1083.3	25.58	818	1971	5.2	-11.9	-78.8	16.1
Nagano	C	35.9319	138.0494	1032.3	11.78	818	1351.5	7.6	-11.3	-77.1	13
Nagano	C	35.7767	138.1425	1116	31.72	804	1767.5	4.1	-12.2	-85.3	12.4
Nagano	C	35.6928	138.125	1318	15.06	818	1853.2	4.4	-11.4	-79.4	11.4
Nagano	C	35.6956	137.5794	1183.2	20.79	823	2546.2	6.6	-10.5	-64.3	19.6
Nagano	C	35.7964	137.4483	1183.7	15.14	823	2839.5	6	-10.4	-65.6	17.6
Nagano	C	35.6911	137.7542	1347.3	14.76	818	2929.9	3.4	-11.4	-72.2	18.9
Nagano	C	35.985	137.5958	1301	8.64	823	2297.2	5.1	-11.9	-77.3	17.7
Nagano	C	36.0036	137.8258	1239.3	11.06	818	2018.5	6.4	-11.5	-74.4	17.2
Nagano	C	35.8022	137.7469	1448.6	5.06	818	3033.2	3.1	-11.8	-76.9	17.7
Nagano	C	36.205	137.7619	920	57.76	835	2216.3	5.2	-12.6	-84.8	15.7
Nagano	C	36.4567	137.8025	860	11.35	835	1809	7.2	-11.9	-81.1	14.2
Nagano	C	36.6036	137.8036	1052.2	25.85	803	2213	4.8	-12.3	-80.4	18
Nagano	C	36.8672	137.9892	992.7	17.53	803	2336.7	5	-11.8	-72.0	22
Nagano	C	36.6856	137.9975	747.7	4.51	803	1567	8.3	-11.1	-73.9	15
Nagano	C	36.4503	138.3669	1200.7	9.69	753	1193.1	4.5	-12.3	-84.9	13.5
Nagano	C	36.5972	138.3722	866.3	4.76	752	1316.2	5.2	-12.5	-83.3	17.1
Nagano	C	36.7453	138.54	1626.3	6.71	736	1921.4	2.7	-13.1	-84.7	19.9
Nagano	C	36.8217	138.5622	1262.3	2.45	736	2052.8	5.6	-12.9	-81.4	21.6
Nagano	C	36.8989	138.5594	873.7	20.93	736	1973.1	5.5	-11.9	-74.8	20.7
Nagano	C	36.5231	138.1842	584	3.96	753	972.4	8.3	-11.7	-76.9	16.6

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Nagano	C	36.4014	138.0486	1071.4	3.12	835	1101.1	7.4	-11.9	-81.3	13.7
Nagano	C	36.1406	137.7669	1392.2	13.42	834	2165.5	4.5	-12.6	-85.8	15.4
Nagano	C	35.9639	138.6547	1374.2	4.75	800	1488.8	5.3	-12.4	-88.0	11.3
Nagano	C	36.0369	138.4517	1270.3	4.34	800	1517	6.3	-11.8	-82.6	12
Nagano	C	36.0939	138.3889	1475.6	3.38	779	1477.6	5.1	-12.7	-86.9	14.5
Nagano	C	36.0572	138.395	1687	2.88	800	1544.9	4.3	-13.0	-89.2	14.7
Nagano	C	36.7981	137.885	984.7	2.8	803	2229	7	-11.8	-72.8	21.3
Nagano	C	36.7569	137.9872	1077	3.65	803	1871.2	6.7	-11.9	-76.3	19
Nagano	C	36.3681	137.8219	766.9	4.68	835	1795.9	7.3	-11.5	-78.5	13.4
Nagano	C	36.2678	137.7964	1818.2	6.84	835	2091.1	5.9	-12.0	-82.7	13.3
Nagano	C	35.4831	137.6686	911.8	8.95	846	2440	7.4	-10.4	-68.1	15
Nagano	C	35.3075	137.7364	747.3	3.77	833	2443	9	-9.6	-62	14.5
Nagano	C	35.2447	137.8425	427	5.05	833	2079.4	10	-9.5	-63.2	12.8
Nagano	C	35.3244	137.9686	972.3	14.92	833	2352.7	6.2	-10.8	-72.4	14
Nagano	C	35.5914	138.0169	859.8	2.64	822	1727.6	9.1	-10.2	-70.8	11.1
Nagano	C	35.8556	138.1239	1151.7	2.73	818	1530	5.7	-11.5	-79.6	12.3
Nagano	C	35.8889	138.0764	995.4	1.42	818	1353.9	8.5	-10.9	-73.7	13.5
Nagano	C	35.9819	138.1289	1043.7	2.07	818	1303.7	7.6	-11.1	-75.7	12.9
Nagano	C	35.965	138.3167	1607	6.34	834	1273.8	8.4	-11.4	-78.1	13
Nagano	C	36.3697	138.5836	1023.8	9.2	753	1460.9	6.7	-12.0	-80.9	15
Nagano	C	36.4442	138.2094	514.3	4.42	753	943.4	8.9	-11.3	-79.0	11.7
Nagano	C	36.5114	138.0731	591.6	3.56	835	1029.1	8.4	-11.4	-76.5	14.6
Nagano	C	36.9828	138.4828	384	10.62	736	2332.2	8.4	-10.6	-62.9	21.9
Nagano	C	36.8681	138.4483	759.3	2.15	736	1887.4	7.7	-11.8	-72.8	21.4
Nagano	C	36.7133	138.4297	1098	2.7	736	1305.9	6	-11.8	-76.9	17.4
Nagano	C	35.3867	137.9686	606.7	7.74	833	1838.3	9	-10.6	-68.7	15.7
Nagano	C	35.4681	137.9283	857	6.36	833	1880.5	8.3	-10.9	-73.4	13.6
Nagano	C	35.6103	137.8692	870	4.67	818	2237.8	7.6	-10.2	-64.1	17.2
Nagano	C	36.0978	137.8261	1112.7	10.9	820	1956.6	6.1	-12.0	-79.5	16.2
Nagano	C	35.9164	137.93	990.3	6.98	818	1700	8	-11.4	-77.2	13.9
Nagano	C	36.2253	138.0547	958.8	2.77	835	1267.4	8.2	-12.0	-84.5	11.8
Nagano	C	36.2703	138.0392	1025.3	4.73	835	1245.9	6.7	-12.1	-82.4	14.3
Nagano	C	35.9289	137.6944	1326.7	3.49	818	1909.5	6.4	-11.5	-73.9	18
Nagano	C	35.8756	137.5689	1137.6	2.43	823	2625	6.7	-11.5	-73.0	19.3

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Gifu	E	36.3197	137.4203	630.7	136.76	819	2314.4	3.4	-12.4	-78.7	20.4
Gifu	E	36.3672	137.1744	514	10.41	833	2202.3	8.4	-11.1	-66.3	22.4
Gifu	E	36.2906	136.9294	785.2	11.07	834	2504	6	-11.3	-70.1	20.6
Gifu	E	36.1967	137.1531	842.7	2.62	834	2061.5	7.5	-10.8	-67.3	19.3
Gifu	E	36.1564	136.8433	1014.7	10.38	834	3264.3	4.8	-11.8	-74.6	19.8
Gifu	E	36.1867	137.0364	785.7	2.32	834	2372.9	7.3	-10.8	-68.0	18.1
Gifu	E	36.0786	136.9067	779.3	18.88	825	3119.9	7.1	-10.0	-62.0	18.3
Gifu	E	36.2167	137.3822	879	21.86	819	2047.6	5.9	-11.8	-74.7	19.9
Gifu	E	36.1136	137.4164	985.9	19.82	819	2216.7	5.2	-12.0	-74.9	21.1
Gifu	E	36.0372	137.5319	1156.6	41.49	823	2398.5	4.1	-12.4	-79.4	19.9
Gifu	E	35.9697	137.5314	1329	4.55	823	2793.1	5	-12.4	-80.1	19.3
Gifu	E	35.8567	137.3033	865	0.05	823	2534.3	7.9	-9.7	-58.6	18.9
Gifu	E	36.0189	137.3	705.3	15.45	823	2035.7	6.9	-10.7	-67.9	17.6
Gifu	E	35.9994	137.1833	708.7	13.59	824	2465.9	7.3	-10.2	-61.2	20.7
Gifu	E	35.9033	137.1128	859.7	6.17	825	2775.9	8	-9.3	-59.2	14.8
Gifu	E	35.7619	136.7314	485.4	24.77	825	3455.9	8.5	-9.3	-54.7	19.4
Gifu	E	35.765	136.8792	531	2.43	825	3028	9	-8.6	-54.3	14.6
Gifu	E	35.8056	137.0894	618.3	5.16	825	2760.7	9.5	-8.7	-55.5	14.2
Gifu	E	35.7803	137.3617	949	9.22	823	2724.4	5.9	-9.5	-61.6	14.8
Gifu	E	35.6542	137.4008	738	0.86	823	2338.4	10.7	-9.5	-59.9	16.5
Gifu	E	35.6525	136.8531	402.7	3.55	825	3051.7	9.7	-8.5	-52.9	15.2
Gifu	E	35.6964	136.5572	294.1	17.54	815	2915.1	9.8	-9.7	-56.1	21.7
Gifu	E	35.5722	136.3517	559.7	9.3	858	2702.8	9	-9.9	-56.9	22.3
Gifu	E	35.4892	136.4831	340.3	6.71	858	2839.2	10.5	-8.7	-53.3	16.6
Gifu	E	35.2678	136.4756	179.3	0.05	858	2123	13.2	-7.8	-50.5	12.2
Gifu	E	35.5058	137.2414	505.3	1.88	846	2059.1	10.8	-8.2	-53.5	12.3
Gifu	E	35.3833	137.5186	973.7	1.99	846	2394.2	7.7	-9.1	-59.0	13.4
Gifu	E	35.7506	136.4158	423	6.79	815	2714.1	9.5	-9.7	-53.7	23.7
Gifu	E	36.0889	137.1294	741.1	1.46	827	2273.1	8.1	-10.6	-66.3	18.4
Gifu	E	36.2778	137.4328	729.7	5.18	819	2028.6	7.6	-11.4	-73.5	18.1
Shizuoka	E	35.1425	137.9092	688	2.25	833	2566.3	9.9	-8.8	-56.3	13.8
Shizuoka	E	35.1978	137.8736	544.2	2.19	833	2177.9	11	-8.5	-54.8	13
Shizuoka	E	35.1328	138.1336	370	9.5	833	2950.9	10.7	-8.8	-55.3	15
Shizuoka	E	35.1575	138.1889	553.7	4.49	850	3048.4	9.4	-9.2	-58.7	15.2

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Shizuoka	E	35.1108	138.2236	368	12.41	850	3089	11.7	-9.1	-55.4	17
Shizuoka	E	35.2097	138.3064	673.2	6.02	850	3041.8	10.3	-9.5	-59.4	16.9
Shizuoka	E	35.1531	138.3767	378.3	3.22	850	2998.9	10.1	-9.0	-55.6	16.2
Shizuoka	E	35.2411	138.3536	527.4	9.84	850	2906.9	9.1	-9.8	-62.0	16.5
Shizuoka	E	35.3086	138.2175	825.7	20.58	850	3022.7	6.3	-10.9	-72.1	14.8
Shizuoka	E	34.9642	137.7156	458	0.92	843	2516.4	12.7	-7.3	-45	13.3
Shizuoka	E	34.8844	137.7553	185.1	0.51	843	2077.8	14.3	-6.9	-42.5	12.6
Shizuoka	E	34.9236	137.8428	184.4	1.89	843	2287.3	13.7	-7.1	-43.7	13.1
Shizuoka	E	34.9428	137.9031	215.6	3.22	843	2502	13.6	-7.3	-45.6	12.8
Shizuoka	E	34.9289	137.9589	273.7	6.45	843	2665.5	12.9	-7.4	-47.1	12.5
Shizuoka	E	35.0892	137.8758	456	1.18	843	2610.4	9.4	-8.6	-54.3	14.2
Shizuoka	E	35.0786	137.9194	373.7	7.71	840	2716.1	9.9	-8.6	-53.7	15.4
Shizuoka	E	35.0786	138.0264	522.3	4.6	839	2876.4	10.2	-8.3	-53.0	13.4
Shizuoka	E	35.06	138.0664	301.7	10.17	841	2905.4	11.5	-8.4	-53.8	13.3
Shizuoka	E	34.9906	138.2344	221.3	2.3	834	2979.7	13.5	-7.8	-50.3	12.3
Shizuoka	E	35.0547	138.2567	229.7	6.49	834	2922.7	11.7	-8.3	-52.5	13.8
Shizuoka	E	34.91	138.0778	212.7	2.76	843	2835.1	13.4	-7.8	-47.8	14.5
Shizuoka	E	34.8703	138.1917	135	1.28	834	2399.9	14.6	-7.7	-47.7	13.6
Shizuoka	E	35.0919	138.3497	252	0.61	842	3008.1	13.6	-8.3	-49.6	16.7
Shizuoka	E	35.0203	138.3047	131.1	5.11	834	2844.1	13.9	-8.2	-49.6	16
Shizuoka	E	35.0894	138.4361	339	3.47	842	2910.5	12.8	-7.9	-49.9	13.6
Shizuoka	E	35.1617	138.4511	371.7	2.76	850	2888.8	12.4	-8.6	-55.3	13.4
Shizuoka	E	35.2856	138.5333	240.7	5.1	850	2159.2	11.9	-8.5	-54.2	14
Shizuoka	E	35.1767	138.7553	210	0.46	819	2500.8	13.9	-7.3	-46.1	12.4
Shizuoka	E	35.1961	138.9331	257.7	6.27	794	3013.7	10.7	-7.6	-49.5	11.3
Shizuoka	E	34.8183	139.0022	346.7	13.07	819	3334.1	11.6	-7.8	-46.7	15.4
Shizuoka	E	34.6908	138.8383	116	6.11	819	2124.9	14.4	-6.8	-41.0	13.1
Shizuoka	E	34.8033	138.8461	224.7	10.92	819	2551.1	11.9	-7.6	-45.7	14.8
Shizuoka	E	34.8689	138.8989	348.9	5.84	819	2964.1	11.6	-7.8	-50.4	12.4
Shizuoka	E	35.0203	138.9639	119.8	2.45	819	2048.6	14.2	-7.9	-51.0	11.8
Aichi	E	35.3494	137.0239	139.1	11.51	860	1743.8	13.4	-9.3	-59.5	15.3
Aichi	E	35.2181	137.1611	308.7	0.71	860	1688.1	11.8	-9.3	-57.2	17.3
Aichi	E	35.1825	137.175	205	1.73	855	1605	13.2	-8.1	-52.1	12.5
Aichi	E	35.2017	137.2633	189	1.33	846	1571.8	12.9	-8.2	-54.2	11.1

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Aichi	E	35.1889	137.4108	514.7	0.66	846	1854.9	10.5	-8.8	-58.4	11.9
Aichi	E	35.1222	137.4061	674	1.28	846	2220.4	10.1	-9.2	-55.9	17.6
Aichi	E	35.1317	137.5122	778.7	2.25	846	2458	9	-8.8	-54.8	15.5
Aichi	E	35.1947	137.6419	919.6	0.36	846	2667.4	9.3	-8.5	-52.5	15.2
Aichi	E	35.1647	137.7778	613.8	2.25	833	2264.9	10	-8.3	-51.5	15.2
Aichi	E	35.0469	137.6772	433.3	0.77	846	2339.7	11.6	-7.5	-47.8	12.5
Aichi	E	35.0119	137.6147	311.1	0.61	846	2251.8	13.2	-7.3	-46	12.5
Aichi	E	35.0833	137.5289	429.7	3.78	846	2336.8	11.2	-8	-50.1	13.6
Aichi	E	35.0878	137.4461	718.3	2.71	846	2295.2	9.7	-8.7	-53.3	16.2
Aichi	E	34.9328	137.4014	336.2	4.25	846	2375	11.7	-7.8	-47.9	14.3
Aichi	E	34.9667	137.4603	377.7	1.02	846	2399.3	12.2	-7.5	-45.1	14.8
Aichi	E	35.0311	137.4794	542.1	1.43	846	2323.5	11.3	-7.7	-48.1	13.6
Aichi	E	34.8817	137.5125	84	1.28	846	2068.3	14.4	-7.1	-43.9	12.9
Aichi	E	34.9178	137.6208	168	4.2	846	2319.4	13.1	-7.3	-43.6	14.4
Aichi	E	35.2306	137.5528	747.4	3.26	846	2362.9	8.6	-9.1	-58.4	14
Mie	E	35.1347	136.4681	276.4	7.35	858	2252.7	10.7	-8.0	-47.2	16.5
Mie	E	34.9244	136.3994	196.2	3.63	867	2258.8	11.5	-7.9	-47.1	15.9
Mie	E	34.5817	136.1275	402	4.37	880	1649.1	10.8	-8.7	-54.0	15.3
Mie	E	34.5469	136.3317	242.7	1.49	867	2000.7	11.7	-8.2	-50.7	15.3
Mie	E	34.5131	136.4411	221.7	1.29	867	1972.1	13.2	-7.8	-46.6	15.7
Mie	E	34.3514	136.1403	460.1	13.25	880	2763.4	9	-9.6	-58.1	18.4
Mie	E	34.4189	136.1453	401.7	1.8	880	2193.8	10.3	-8.5	-51.5	16.6
Mie	E	34.3611	136.5297	299.4	0.88	867	2611.8	13	-7.0	-41.2	15
Mie	E	34.3208	136.6064	74	1.5	867	2340.2	14.6	-6.9	-38.6	16.4
Mie	E	34.4064	136.73	142	3.71	867	2217.5	14	-7.2	-40.3	17.2
Mie	E	34.2475	136.3722	248.7	1.45	867	2874.4	13.5	-7.1	-42.4	14.6
Mie	E	34.0844	136.1369	221.2	1.4	888	3741.4	13	-7.1	-40.9	16.1
Mie	E	33.9272	136.1322	179.2	0.88	784	2626.1	12.9	-7.1	-43.0	13.7
Mie	E	33.9117	136.0258	402	1.76	888	3048.8	12.5	-7.7	-45.9	15.4
Mie	E	33.7703	135.9158	68.3	2.44	888	3318.1	13.9	-7.0	-42.8	13.5
Mie	E	34.2253	136.2292	199.3	1.5	867	3309.4	13.4	-7.3	-43.6	15.1
Mie	E	34.3356	136.3547	227.6	6.03	867	2801.2	11.9	-7.5	-45.2	15.1
Mie	E	34.7531	136.2736	313.4	2.87	867	2089.2	10.8	-8.2	-49.4	16.5
Mie	E	34.9064	136.1189	323.2	0.87	900	1500.9	11.6	-8.6	-52.7	16.3

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Mie	E	34.9906	136.4358	443.3	1.13	867	2599.4	11.8	-8.0	-46.1	17.6
Mie	E	34.4492	136.3364	306.3	2.06	867	2065.1	12.6	-8.4	-49.7	17.4
Mie	E	34.7883	136.0553	259.3	1.64	900	1469	12.7	-8.6	-53.9	14.5
Shiga	F	34.925	135.9606	224.3	5.07	900	1555.3	11.8	-8.8	-55.1	15.2
Shiga	F	34.9444	135.9564	144.3	3.38	900	1549	12.3	-8.7	-54.4	15.2
Shiga	F	34.905	135.9833	358	1.74	900	1560.2	11.2	-9.0	-55.5	16.9
Shiga	F	34.8656	136.0833	348.3	1.59	900	1492.5	11.7	-8.7	-54.2	15.6
Shiga	F	34.9181	136.1069	366.3	0.87	900	1507	11.4	-8.7	-53.8	16.1
Shiga	F	35.0092	136.4053	667	2.05	867	2639.8	9.3	-8.6	-50.5	18.3
Shiga	F	34.9883	136.38	457	7.42	867	2494.3	9.9	-8.2	-48.1	17.7
Shiga	F	35.0794	136.3947	399.1	27.45	867	2553.3	9.5	-8.4	-51.1	16.2
Shiga	F	35.1283	136.4111	492.7	13.22	858	2272	9.7	-8.7	-51.3	18.7
Shiga	F	35.1475	136.4075	524	16.54	858	2242.1	9.8	-9.1	-54.2	19
Shiga	F	35.1928	136.3411	276.8	5.71	858	2088.3	10.7	-9.1	-54.4	18.4
Shiga	F	35.2114	136.3792	331.7	11.89	858	2186.8	10.4	-8.9	-53.1	17.8
Shiga	F	35.4328	136.3822	283.4	12.01	858	2328.8	9.5	-9.4	-54.6	20.9
Shiga	F	35.515	136.2986	350.3	7.47	858	2454.7	10	-9.6	-54.1	22.8
Shiga	F	35.4975	136.3119	280.3	16.77	858	2528.3	10	-9.4	-52.7	22.8
Shiga	F	35.5706	136.2911	283.3	9.9	858	2561	9.6	-9.7	-54.2	23.2
Shiga	F	35.5892	136.2792	412	1.47	834	2579.7	11.3	-9.9	-51.9	26.9
Shiga	F	35.6006	136.2194	263.2	5.23	822	2693.3	11.5	-9.3	-50.2	24.2
Shiga	F	35.3786	135.8517	302.3	4.28	880	2283.7	10.9	-9.3	-50.5	23.8
Shiga	F	35.3722	135.7939	506.3	2.14	880	2333.6	10.7	-9.2	-50.2	23.7
Shiga	F	35.2836	135.8411	387.1	2.7	880	2297.4	11.3	-9.4	-52.8	22.6
Shiga	F	35.5253	136.3664	602.4	6.6	858	2746.6	9.2	-9.8	-55.4	22.8
Shiga	F	35.4519	136.3719	339	7.98	858	2480.1	10.5	-9.4	-54.2	20.7
Shiga	F	35.3183	136.38	249	3.72	858	1908.1	11.4	-9.2	-54.0	19.2
Shiga	F	35.1767	135.8569	392.3	1.94	880	2063.6	11.6	-8.9	-51.7	19.9
Shiga	F	35.2342	135.8597	385.7	4.39	880	2168.7	10.8	-9.4	-52.5	22.4
Shiga	F	35.2467	135.8717	341	12.95	880	2100.9	9.7	-9.3	-52.9	21.2
Shiga	F	35.3017	135.9147	495.3	1.73	880	2128.4	11.6	-9.2	-51.7	21.7
Shiga	F	35.4231	135.9733	260.7	3.36	880	1990.5	11.7	-9.1	-48.8	24
Shiga	F	35.2572	136.3631	318.7	18.41	858	2112.2	11.1	-9.2	-53.8	19.7
Shiga	F	34.8961	136.2853	323.7	3.12	867	1891.3	11	-8.4	-48.9	17.9

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Shiga	F	35.45	135.9522	328.3	1.68	880	2208.1	11.3	-9.2	-49.4	24.4
Kyoto	F	35.7425	135.1872	78.3	4.16	875	2066.3	12.8	-8.4	-44.6	22.8
Kyoto	F	35.6972	135.2336	176.3	1.72	875	2172.9	13.3	-8.4	-44.3	22.7
Kyoto	F	35.5781	134.9031	76.4	1.02	851	2060.1	13	-8.1	-43.2	21.8
Kyoto	F	35.6703	134.9947	88	1.12	784	1638.5	12.2	-8.2	-42.7	22.9
Kyoto	F	35.6758	135.1172	56.3	2.38	862	2163.6	13.2	-8.4	-43.5	23.3
Kyoto	F	35.5692	135.0306	112.3	3	851	1873.2	11.8	-8.1	-44.6	20.4
Kyoto	F	35.6489	135.2333	132.3	2.28	797	1949.6	12	-8.5	-44.2	23.8
Kyoto	F	35.66	135.1594	235	8.98	865	2155.7	11.7	-8.0	-44.7	19.2
Kyoto	F	35.4569	135.1264	415.8	2.9	851	1957.7	10.9	-8.6	-47.5	21.1
Kyoto	F	35.4683	135.2189	68.7	3.36	895	1785.7	12.7	-7.8	-45.2	17.3
Kyoto	F	35.2986	134.9997	160.9	1.07	851	1518.5	12.1	-7.2	-46.4	11.3
Kyoto	F	35.3414	135.0403	110.1	0.46	851	1569.2	13.1	-7.5	-47.2	12.8
Kyoto	F	35.3753	135.1167	63.7	4.78	851	1664.9	12.7	-8.3	-47.8	19
Kyoto	F	35.4106	135.2686	111	2.95	895	1643	12.3	-7.9	-44.8	18.1
Kyoto	F	35.4267	135.3958	169	1.07	895	1864	12.1	-7.6	-45.0	15.9
Kyoto	F	35.5394	135.1564	84.8	1.58	851	1805.2	12.5	-7.9	-45.1	18.4
Kyoto	F	35.5489	135.3942	103.7	2.34	895	1798.6	12.9	-8.5	-46.0	21.6
Kyoto	F	35.5239	135.3775	139.7	2.03	895	1840.9	13.4	-8.6	-45.6	23
Kyoto	F	35.4758	135.4294	35	0.81	895	1855.8	13.2	-7.4	-42.9	16.2
Kyoto	F	35.3847	135.4883	269.3	7.94	895	2064.1	10.4	-8.6	-47.8	21.1
Kyoto	F	35.2992	135.3353	136.7	7.34	895	1620.5	11.8	-8.2	-48.8	16.5
Kyoto	F	35.3208	135.4625	329	3.97	895	1869.6	10	-8.9	-51.9	19
Kyoto	F	35.3083	135.5725	259	6.57	895	1961.1	11	-8.4	-48.9	18.7
Kyoto	F	35.2756	135.4867	257.7	3.41	895	1748.9	11.2	-8.9	-50.4	20.7
Kyoto	F	35.2739	135.6853	439.7	3.67	885	2023.8	10.6	-8.9	-50.9	20.3
Kyoto	F	35.2236	135.5425	260.7	2.6	895	1491.3	11.7	-8.6	-50.9	17.7
Kyoto	F	35.13	135.6503	410.7	1.07	895	1653.1	11.7	-8.3	-51.9	14.2
Kyoto	F	35.1597	135.7539	658.3	5.05	880	2057	10.5	-8.9	-53.5	17.8
Kyoto	F	35.0331	135.6067	219.3	4.91	927	1559.6	12.2	-8.8	-53.6	16.7
Kyoto	F	34.9978	135.5011	231.9	2.2	927	1566.5	12.7	-8.5	-52.3	16
Kyoto	F	35.2183	135.3942	187	3.21	895	1525.4	12.4	-8.5	-51.2	17
Kyoto	F	35.0747	135.4342	186.3	1.64	927	1489.5	12.5	-8.1	-51.5	13.6
Kyoto	F	34.9914	135.6803	77.1	5.27	920	1542.3	14	-8.3	-50.3	16.1

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Kyoto	F	34.8172	135.8247	163.9	4.31	900	1476.3	12.8	-8.3	-53.0	13.6
Kyoto	F	34.7817	135.9511	245.3	5.13	900	1484.1	12	-8.5	-53.8	14.1
Kyoto	F	35.3022	135.8008	492.7	3.57	880	2365.9	10.3	-9.2	-52.4	21.2
Osaka	F	34.9875	135.3692	351	1.07	927	1544.7	11.9	-8.5	-51.9	16.3
Osaka	F	34.9947	135.4167	397	2.1	927	1550.7	11.6	-8.1	-50.9	13.9
Osaka	F	34.9925	135.4575	318	0.97	927	1544.3	12	-8.4	-51.6	15.5
Osaka	F	34.9372	135.4883	397	0.92	927	1536.4	12.1	-8.2	-51.1	14.6
Osaka	F	34.9011	135.4706	312	1.79	927	1509.2	12.3	-8.3	-51.3	14.7
Osaka	F	34.9031	135.5308	364.3	1.38	927	1602.3	12.4	-7.9	-50.0	13.3
Osaka	F	34.885	135.5139	355	1.95	927	1563.2	12.6	-8.8	-51.2	18.9
Osaka	F	34.9328	135.5975	341.3	3.28	927	1658.3	12.5	-8.3	-51.8	14.4
Osaka	F	34.9044	135.6203	282.8	4.51	927	1595.9	12.5	-8.6	-51.3	17.9
Osaka	F	34.9047	135.5886	257.3	0.87	927	1661.6	13.5	-8.4	-51.0	16.3
Osaka	F	34.8789	135.6339	115.2	2.66	927	1581.8	14.2	-8.3	-49.9	16.7
Osaka	F	34.6756	135.6589	197.8	1.28	921	1461.8	12.9	-8.7	-51.9	17.5
Osaka	F	34.4961	135.6642	238.3	1.44	904	1376.7	12.1	-8.8	-54.3	15.7
Osaka	F	34.4125	135.6508	521	5.2	910	1439.9	10	-9.4	-56.9	18.3
Osaka	F	34.39	135.5631	323	2.42	917	1396.5	11.8	-9.1	-56.3	16.5
Osaka	F	34.3886	135.4789	263.9	2.94	917	1400.3	12.2	-9.6	-60.5	16.2
Osaka	F	34.3597	135.4219	330.4	4.12	917	1436.7	11.9	-9.2	-55.7	18.2
Osaka	F	34.3261	135.2994	106.9	3.82	917	1272.5	14.1	-8.4	-50.9	15.9
Osaka	F	34.3297	135.2536	82	1.86	917	1258	14.5	-8.4	-51.2	15.8
Osaka	F	34.3103	135.1836	78.2	6.4	917	1303	14.3	-8.2	-50.1	15.7
Hyogo	F	34.835	134.4728	116.7	1.38	823	1259.1	13.6	-7.3	-45.7	13.1
Hyogo	F	34.8786	134.4456	129.1	3.79	823	1337	12.6	-7.7	-46.9	15
Hyogo	F	34.9264	134.3828	171.6	4.71	823	1322.3	12	-7.9	-48.1	15.2
Hyogo	F	34.9808	135.3211	253.7	2.96	823	1623.6	11.9	-7.5	-45.8	14
Hyogo	F	35.0614	134.5414	232.4	4.09	823	1621.9	11.8	-7.5	-45.9	14
Hyogo	F	35.0664	134.6281	315.4	6.23	823	1818.2	10.5	-8.1	-48.4	16.4
Hyogo	F	35.0447	134.8178	310.2	1.64	905	1694.9	11.8	-7.9	-48.0	15.4
Hyogo	F	34.9553	134.6586	157.6	1.43	823	1418.5	13.1	-7.3	-43.8	14.3
Hyogo	F	35.1233	134.6964	801.3	2.35	851	1986.9	9.5	-8.4	-49.7	17.4
Hyogo	F	35.2386	134.6044	424.7	13.31	841	1885.9	9.9	-8.2	-48.6	16.9
Hyogo	F	35.2153	134.4153	683.2	6.07	841	2216.6	8.7	-9.1	-52.1	20.8

Prefecture	Region	Latitude N	Longitude E	ELV (m)	ARA (km ²)	AET (mm/year)	MAP (mm/year)	MAT (°C)	δ ¹⁸ O (‰)	δ ² H (‰)	d (‰)
Hyogo	F	35.3086	134.6303	333.7	6.62	841	1841.9	10.3	-8.7	-50.2	19.5
Hyogo	F	35.31	134.5203	826	2.24	841	2238.3	8.2	-9.9	-56.5	22.4
Hyogo	F	35.4467	134.5172	366.3	7.12	841	2333.6	9.8	-9.5	-52.1	24.1
Hyogo	F	35.44	134.7025	141	4.73	849	1842.1	11.4	-8.9	-47.9	23.3
Hyogo	F	35.5947	134.4314	76.6	6.14	841	2252.8	11.6	-8.4	-43.7	23.6
Hyogo	F	35.6036	134.6042	57.3	2.94	857	2368.9	12.6	-8.2	-43.0	22.5
Hyogo	F	35.6011	134.7919	19.8	3.4	859	2083.4	13.1	-8.3	-42.7	23.4
Hyogo	F	35.49	134.8933	97	2.85	851	1873.5	12.4	-8.3	-45.5	20.9
Hyogo	F	35.3992	134.9106	281	5.6	851	1819.6	10.7	-8.9	-48.7	22.4
Hyogo	F	35.3044	134.7992	326.3	0.76	851	1477.1	11.3	-8.6	-48.9	19.6
Hyogo	F	35.2339	134.9231	271.8	6.42	851	1809.4	11.4	-8.4	-49.4	17.7
Hyogo	F	35.0397	135.1422	332.6	1.07	905	1462.9	11.7	-8.0	-48.2	16.2
Hyogo	F	35.1981	134.9883	170.7	5.46	851	1586.9	12.1	-8.1	-48.5	16.1
Hyogo	F	35.2197	135.0903	177.1	1.84	851	1495	12.7	-7.9	-47.9	15.6
Hyogo	F	35.1208	135.2908	341	0.61	895	1497	11.6	-8.3	-50.0	16.6
Hyogo	F	35.0747	135.4342	186.3	5.95	927	1698.8	11	-8.1	-49.6	15.2
Hyogo	F	34.9808	135.3211	253.7	1.02	927	1534.2	12.7	-8.5	-51.4	16.6
Nara	F	34.6386	135.8714	243.6	3.9	900	1480.3	11.6	-8.6	-53.4	15.2
Nara	F	34.7019	135.8617	148.3	3.64	900	1429.9	12.6	-8.4	-54.0	13.6
Nara	F	34.6867	136.0047	303.7	2	900	1390.3	11.7	-8.5	-54.0	14.3
Nara	F	34.5258	136.0719	479.7	3.5	880	1621.9	9.7	-8.9	-55.4	15.5
Nara	F	34.5567	135.9278	455	2.16	880	1470.9	11.1	-8.6	-54.6	14
Nara	F	34.5419	135.8944	370	1.08	880	1486.8	12.9	-8.3	-54.2	12.6
Nara	F	34.4564	136.0972	616.8	0.67	880	1859.2	9.7	-8.2	-52.6	12.9
Nara	F	34.4361	136.0128	435.8	1.18	880	1613.1	11.5	-8.0	-53.8	10
Nara	F	34.3594	136.0381	639.2	5.41	880	2384.9	8.7	-9.1	-58.3	14.8
Nara	F	34.4569	135.895	645	0.51	880	1425.9	10.9	-8.7	-56.7	13.3
Nara	F	34.4772	135.8539	385.6	0.82	880	1426.4	11.8	-8.5	-55.1	12.9
Nara	F	34.4211	135.8686	324.4	2.68	880	1391.8	12.1	-8.8	-56.7	13.6
Nara	F	34.3542	135.9169	293.7	5.62	880	1768.5	10	-9.0	-58.6	13.5
Nara	F	34.3364	136.0094	750.8	5.36	880	2138.5	8.7	-9.1	-58.5	14.5
Nara	F	34.2828	136.0203	531.8	6.4	880	2513.7	9.8	-8.4	-55.3	12.2
Nara	F	34.2372	135.8878	838	8.31	880	2288.3	7.9	-9.6	-61.4	15.1
Nara	F	34.2583	135.8044	494.3	2.74	880	1846.4	10.4	-8.9	-59.5	11.5

Prefecture	Region	Latitude N	Longitude E	ELV (m)	ARA (km ²)	AET (mm/year)	MAP (mm/year)	MAT (°C)	δ ¹⁸ O (‰)	δ ² H (‰)	d (‰)
Nara	F	34.305	135.8908	554	7.79	880	1925.2	9.3	-9.4	-62.0	13.1
Nara	F	34.1561	135.9769	554.9	3.72	880	2838.3	9.4	-8.1	-51.9	13.1
Nara	F	34.1583	135.8672	725	7.49	880	2749.3	7.3	-9.0	-57.3	14.7
Nara	F	34.0556	135.835	420.7	1.76	888	2795.4	9.9	-8.2	-52.2	13.4
Nara	F	34.0978	135.6264	750.6	2.02	917	2376.9	9	-8.9	-54.6	16.7
Nara	F	34.1753	135.6786	692.8	2.27	882	1747.9	10.3	-8.8	-57.0	13.4
Nara	F	34.0856	135.955	403.7	2.79	884	3092.6	10.8	-7.8	-48.7	14
Nara	F	34.0181	135.84	682.7	4.04	888	2989.7	9.2	-7.8	-50.6	11.9
Nara	F	34.0281	135.7769	276.4	5.23	888	2402.8	12	-8.0	-50.0	13.8
Nara	F	34.1933	135.9858	540	11.67	880	2795.1	9.5	-9.0	-56.0	16.1
Nara	F	34.1561	135.7958	564	1.65	880	2056.2	10.1	-8.8	-56.7	14
Wakayama	F	34.2842	135.2142	90	4.13	917	1281.1	14.4	-7.8	-49.7	12.9
Wakayama	F	34.3042	135.2622	149.3	4.9	917	1264	14.3	-7.9	-49.1	14.4
Wakayama	F	34.3017	135.3514	204.7	1.6	917	1337	14.1	-8.2	-53.0	12.9
Wakayama	F	34.3511	135.5636	360.4	3.35	917	1401.4	11.9	-8.7	-55.4	14.5
Wakayama	F	34.2325	135.6378	472.3	2.63	917	1752	11.2	-8.7	-56.2	13.3
Wakayama	F	34.1881	135.495	368	2.84	917	1789.4	10.5	-8.3	-54.0	12.5
Wakayama	F	34.2008	135.4344	299.3	5.63	917	1692.5	11.9	-8.2	-52.4	13.5
Wakayama	F	34.09	135.4769	382.7	5.17	949	2103.7	10.7	-8.0	-49.3	14.7
Wakayama	F	34.0306	135.2675	123	1.86	989	1851.4	13.5	-7.6	-43.8	16.8
Wakayama	F	33.9728	135.275	182.7	1.4	989	1922.1	13.6	-7.5	-43.5	16.5
Wakayama	F	34.0128	135.4206	378.7	2.43	989	2106.7	11.6	-8.0	-45.4	18.3
Wakayama	F	33.9767	135.5581	495.3	2.02	989	2491.3	11.5	-7.8	-46.6	15.8
Wakayama	F	33.8986	135.2947	266.3	0.93	989	2054.8	14	-6.9	-41.8	13.4
Wakayama	F	33.8594	135.4306	308.7	1.61	989	2203.6	12.6	-6.4	-40.7	10.2
Wakayama	F	33.9297	135.3375	222.3	3.16	989	2040.2	12.2	-7.6	-42.4	18.4
Wakayama	F	33.8956	135.5756	505.7	1.4	989	2706.8	11.6	-7.5	-44.3	15.5
Wakayama	F	33.7817	135.5889	286.3	4.62	989	2688.8	12.6	-7.0	-44.8	11.4
Wakayama	F	33.8369	135.5025	251.7	4.1	989	2328.5	12.6	-6.9	-42.7	12.8
Wakayama	F	33.8347	135.2828	118.7	1.4	989	2047	14.3	-6.3	-39.9	10.5
Wakayama	F	33.755	135.5614	275.7	1.76	989	2637.5	12.8	-6.9	-44.5	10.8
Wakayama	F	33.68	135.4881	191.7	2.13	989	2393	14.2	-7.0	-42.0	14
Wakayama	F	33.6417	135.4233	78	6.65	989	2196.3	14.7	-7.0	-41.9	13.9
Wakayama	F	33.5661	135.5483	268.7	4.16	953	2847.4	14	-6.8	-40.9	13.5

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Wakayama	F	33.6061	135.6303	189.4	1.56	989	3138.3	13.7	-6.5	-40.3	11.5
Wakayama	F	33.8297	135.7458	111.7	3.63	888	2819.3	13.8	-7.2	-44.6	12.7
Wakayama	F	33.7011	135.6494	465.8	13.97	935	3494.7	11.1	-7.2	-43.8	13.8
Wakayama	F	33.7433	135.7711	240.3	9.19	888	3508.9	12.3	-7.1	-44.0	13
Wakayama	F	33.6819	135.8567	278	1.25	888	3598.3	12.1	-7.0	-42.0	14.2
Wakayama	F	33.7158	135.9142	95	12.83	888	3431.6	14	-6.6	-38.9	14.3
Wakayama	F	33.6311	135.7539	181.3	5.61	888	3381.3	13.7	-6.9	-40.6	14.2
Wakayama	F	33.5514	135.7842	38.3	4.63	916	3166.9	15.1	-6.4	-37.7	13.6
Tottori	G	35.135	133.2158	507	6.13	885	1869.6	9.8	-9.7	-53.7	24.2
Tottori	G	35.1861	133.215	564.7	5.21	885	1872.7	9.6	-9.7	-54.2	23.3
Tottori	G	35.2531	133.3117	535	2.65	885	1788.6	10.6	-9.0	-51.8	20.1
Tottori	G	35.2022	133.4144	449.9	1.84	885	1650.5	10.3	-9.3	-54.8	19.8
Tottori	G	35.2125	133.4697	335	6.12	885	1753.3	9.3	-9.3	-54.8	19.8
Tottori	G	35.2581	133.4722	228.7	5.56	885	1756.2	9.3	-9.1	-54.0	19
Tottori	G	35.2881	133.3642	188.7	5.2	885	1780	11.2	-8.6	-51.7	17.3
Tottori	G	35.3297	133.5333	576	2.5	885	2357.9	9.3	-10.1	-55.6	25.5
Tottori	G	35.3486	133.6653	425	4.99	885	2215.6	9.2	-9.4	-52.7	22.8
Tottori	G	35.46	133.6161	163.3	2.29	885	2468.2	12.7	-8.4	-46.2	21.3
Tottori	G	35.4278	133.6939	174.3	1.83	887	2219.7	12.6	-8.4	-47.0	20.3
Tottori	G	35.4775	133.9711	94	6.1	887	2391.6	12.6	-8.7	-46.7	23.3
Tottori	G	35.4183	133.9456	275	3.36	887	2525.3	10.7	-9.2	-49.3	24.4
Tottori	G	35.4431	134.0064	207.6	3.82	887	2745.6	11.6	-8.9	-49.2	22.4
Tottori	G	35.3547	133.9342	448	6.11	887	2402.9	8.5	-9.2	-52.2	21.2
Tottori	G	35.3225	133.8008	481	1.32	887	1954.4	10.3	-8.5	-50.0	18.2
Tottori	G	35.4119	133.8475	92.7	2.49	887	2046.7	12.9	-8.6	-48.4	20.8
Tottori	G	35.4467	134.1053	247	0.76	887	2398.7	12.3	-8.4	-46.5	21
Tottori	G	35.3736	134.0903	311.9	12.12	887	2500.3	8.9	-9.5	-52.0	24.2
Tottori	G	35.2978	134.1728	256.9	7.49	873	1994	10.2	-9.2	-50.6	22.9
Tottori	G	35.2894	134.2442	436.7	4.48	841	1940.4	10.2	-8.9	-50.0	20.9
Tottori	G	35.1953	134.1694	542.9	5.82	858	1868.6	8.8	-8.8	-52.3	18.1
Tottori	G	35.2378	134.305	398.3	9.69	841	2167.4	9.2	-9.1	-52.0	20.7
Tottori	G	35.2786	134.4614	427.1	17.59	841	2312.2	8.3	-9.2	-51.7	22.2
Tottori	G	35.3419	134.3392	232.7	5.3	841	1938.7	9.6	-9.1	-51.2	21.3
Tottori	G	35.3519	134.4275	373	3.06	841	2145.7	10	-9.5	-52.1	23.8

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Tottori	G	35.4178	134.3758	384.7	7.48	841	2139.2	9.3	-9.4	-51.6	24
Tottori	G	35.5219	134.3581	65.8	4.88	841	2311.9	12	-8.5	-44.6	23.7
Shimane	G	34.3325	131.8206	583.3	3.04	934	2545.8	9.7	-8.1	-49.4	15.5
Shimane	G	34.3814	131.9525	400	12.36	934	2190.7	9.8	-8.6	-51.1	17.4
Shimane	G	34.4406	131.9625	430.7	6.23	934	2298.4	9.7	-8.6	-52.1	16.7
Shimane	G	34.485	131.7317	206	6.9	934	1969.6	12.5	-8.0	-49.5	14.3
Shimane	G	34.5731	131.8108	83	3.29	934	1751.1	13.6	-8.0	-48.9	14.9
Shimane	G	34.5378	131.9614	580.6	3.75	934	2139.4	10	-9.0	-54.1	18.2
Shimane	G	34.7256	131.9708	149.3	2.51	939	1871.5	13.6	-8.2	-49.4	16.4
Shimane	G	34.625	131.9864	371.7	2.06	939	2032.6	10.9	-9.5	-54.3	21.7
Shimane	G	34.6194	132.0775	456.3	8.63	939	2273.2	8.4	-9.1	-53.3	19.4
Shimane	G	34.7733	132.1478	477.3	3.33	933	2282.6	10.2	-8.7	-51.7	17.9
Shimane	G	34.8225	132.2397	530.7	1.38	913	2233.7	10.3	-9.2	-51.6	22
Shimane	G	34.8269	132.4617	431.7	3.23	913	1872.3	10.6	-7.5	-50.5	9.5
Shimane	G	35.0167	132.5436	82.7	3.94	913	1714.2	11.7	-8.3	-49.5	16.5
Shimane	G	35.0267	132.6347	93.7	5.27	913	1731	11.6	-8.4	-48.8	18.2
Shimane	G	34.9231	132.5389	343.7	3.94	913	1743.9	11.1	-8.4	-49.6	17.5
Shimane	G	34.9339	132.6619	237.8	3.38	907	1709.8	10.6	-7.9	-48.1	15
Shimane	G	35.2347	132.6167	156.3	3.01	909	2034.8	12.4	-8.4	-47.8	19.2
Shimane	G	34.9589	132.7208	556.3	1.28	906	1830.9	10.1	-7.5	-49.8	10.1
Shimane	G	35.1272	132.7044	364.6	2.55	908	2056.5	11.1	-8.7	-49.9	19.8
Shimane	G	35.2078	132.7731	362.7	1.63	908	2011.2	11.1	-8.8	-49.4	20.8
Shimane	G	35.1086	132.8639	590.3	2.15	908	2110.8	8.7	-9.3	-52.5	21.6
Shimane	G	35.2428	132.91	194.7	3.21	908	1745.4	12.1	-8.3	-49.0	17.7
Shimane	G	35.2642	133.0475	367	4.33	908	1843.1	10.7	-8.9	-51.2	19.7
Shimane	G	35.3003	133.2233	267	3.36	885	1989.2	11.3	-8.9	-49.3	22
Shimane	G	35.1772	133.1825	640	2.35	885	1857.8	8.8	-9.7	-53.5	24
Shimane	G	35.1103	132.9528	529.3	8.48	908	1939.2	8.9	-9.0	-51.7	20.6
Okayama	G	35.1594	133.4889	714.4	3.93	885	1788	8.9	-9.3	-55.2	19.5
Okayama	G	35.0875	133.4761	540	7.41	890	1759.6	9.2	-9.3	-56.1	18.3
Okayama	G	35.0297	133.4939	456.3	1.99	928	1594.6	11.1	-9.0	-54.5	17.5
Okayama	G	35.0453	133.3467	477	5.47	928	1797.8	10.4	-8.9	-52.8	18
Okayama	G	34.98	133.335	466	4.25	928	1698.5	10.1	-9.1	-55.5	17.4
Okayama	G	34.8644	133.4814	499	1.79	928	1331	10.8	-8.8	-52.9	17.5

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Okayama	G	34.8378	133.56	242	3.08	928	1209.6	11.6	-8.5	-52.9	15.4
Okayama	G	34.75	133.4078	369	7.23	928	1399.4	11.1	-9.0	-54.8	17
Okayama	G	34.6472	133.3967	134.7	2.47	928	1314.5	12.7	-8.5	-53.1	15.2
Okayama	G	34.7606	133.6778	198.6	6.41	927	1276.6	12.3	-8.4	-52.5	14.9
Okayama	G	35.0003	133.6228	379.6	2.76	928	1390.7	11.3	-8.7	-53.4	16.6
Okayama	G	35.0297	133.7067	272.7	4.6	925	1363.8	11.6	-8.7	-51.7	18.1
Okayama	G	34.8639	133.8742	163.3	2.72	925	1304.8	12.4	-8.2	-50.9	14.7
Okayama	G	34.7994	133.8558	123.3	2.61	925	1306.9	12.5	-7.7	-47.8	13.5
Okayama	G	34.7969	133.7878	235.3	1.64	925	1379.3	12.7	-8.5	-51.4	16.9
Okayama	G	35.0025	133.8258	328	3.84	925	1357.2	11.6	-8.3	-52.0	14
Okayama	G	35.0919	133.6064	410.8	4.29	886	1629.9	10.6	-8.7	-52.7	17
Okayama	G	35.2075	133.6153	646.3	3.06	885	1778.6	9.2	-9.5	-55.1	20.7
Okayama	G	35.1161	133.72	385.3	2.25	887	1546.3	11.1	-8.8	-52.2	18
Okayama	G	35.2364	133.6125	659	3.93	885	1855.6	8.7	-9.5	-55.4	20.5
Okayama	G	35.2992	133.6786	507.7	3.62	887	2113.1	9.7	-9.0	-52.4	19.2
Okayama	G	35.2475	133.7978	669.7	3.98	887	1954.8	8.3	-9.0	-52.4	19.5
Okayama	G	35.1756	133.8367	488	11.28	887	1709.7	9.1	-8.9	-52.4	18.7
Okayama	G	35.1747	133.9631	388.8	3.16	887	1765.5	10.4	-8.5	-50.1	17.5
Okayama	G	35.2278	133.9956	635.7	1.63	887	2024.4	9.9	-8.8	-52.4	17.9
Okayama	G	35.2481	133.8733	625.3	5.97	887	2051.9	9.1	-9.1	-52.5	19.9
Okayama	G	35.3028	134.0092	813.7	1.94	887	2528.2	8.3	-9.1	-52.8	20.1
Okayama	G	35.2389	134.0644	550.4	6.17	887	2184.9	9	-9.1	-52.6	20.1
Okayama	G	35.2542	134.1331	656.3	3.93	887	2105.5	8.9	-8.8	-51.5	18.8
Okayama	G	35.1536	134.1936	529.3	2.45	841	1812.5	9.7	-9.0	-50.9	21
Okayama	G	35.1267	134.0336	292.3	2.71	887	1569.6	11.5	-8.7	-51.4	18.2
Okayama	G	34.9869	134.1936	164.4	4.55	823	1232.7	12	-8.0	-49.6	14.4
Okayama	G	34.8728	134.1572	176.1	2.05	925	1218.7	11.9	-8.2	-49.6	15.8
Okayama	G	34.9208	134.0639	108.7	2.66	925	1243.7	12.7	-7.9	-48.5	14.7
Okayama	G	35.1356	134.2708	349.3	1.89	841	1690.2	11.4	-8.6	-49.3	19.7
Hiroshima	G	34.3147	132.1622	274.9	1.6	946	1967	12.6	-7.9	-48.6	14.3
Hiroshima	G	34.4322	132.1861	671.7	1.08	962	2113.2	10.3	-8.9	-52.9	18.2
Hiroshima	G	34.5261	132.1453	520.1	6.58	934	2248.9	9.5	-9.0	-52.2	19.6
Hiroshima	G	34.5144	132.2767	406.7	2.62	962	1927.2	11.4	-8.3	-50.0	16.8
Hiroshima	G	34.5808	132.1781	627.7	3.29	942	2193.1	8.8	-9.5	-55.8	19.9

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Hiroshima	G	34.7867	132.3614	776	3.69	913	2157.1	7.8	-8.9	-52.1	19
Hiroshima	G	34.6861	132.2194	683.2	0.82	913	2261	9.2	-9.0	-53.1	19.3
Hiroshima	G	34.7903	132.5147	482.3	1.23	913	1746.8	9.4	-8.7	-51.1	18.3
Hiroshima	G	34.6292	132.3411	309	7.09	913	1861.5	10.9	-8.9	-52.7	18.5
Hiroshima	G	34.6197	132.5486	406.7	4.37	913	1743.8	11.3	-8.3	-50.5	16
Hiroshima	G	34.5814	132.7414	452.8	1.13	990	1565.3	10.4	-8.8	-54.0	16.6
Hiroshima	G	34.5281	132.5519	159.7	3.04	962	1640.6	11.3	-8.6	-51.1	17.4
Hiroshima	G	34.3797	132.6128	301.7	2.32	962	1601	12.6	-8.9	-54.6	16.7
Hiroshima	G	34.3331	132.8644	156.8	1.29	990	1292.7	13.8	-8.1	-49.7	14.9
Hiroshima	G	34.3867	132.8178	242.7	5.1	990	1529.4	12.3	-8.7	-54.0	15.9
Hiroshima	G	34.6992	132.9619	307	2.41	906	1320.2	11.3	-8.0	-50.0	13.8
Hiroshima	G	34.9264	132.9267	408.3	2.35	906	1801.5	10.4	-8.4	-51.1	16.3
Hiroshima	G	34.8953	132.8197	361.6	1.13	906	1726	11.1	-8.6	-51.0	17.6
Hiroshima	G	35.0464	132.8539	608.6	10.89	906	2087.8	9.2	-8.9	-51.3	19.7
Hiroshima	G	35.0053	132.9558	578.3	4.3	906	1909.4	9.8	-8.9	-50.4	20.6
Hiroshima	G	35.0581	133.1594	677.1	2.2	906	2045.4	9.2	-8.9	-52.6	18.7
Hiroshima	G	35.0128	133.2489	619.4	7.92	928	2053.1	9	-8.9	-54.3	16.8
Hiroshima	G	34.8886	133.1161	578.6	0.72	906	1598.6	10.4	-8.8	-51.4	19.1
Hiroshima	G	34.7978	133.0828	389.1	0.92	906	1373.2	11.4	-8.7	-52.6	16.7
Hiroshima	G	34.6508	133.3669	216.7	1.64	928	1392.3	12.4	-8.5	-53.5	14.5
Hiroshima	G	34.6389	133.2808	391.7	1.85	928	1510.1	11.9	-8.7	-55.3	14
Hiroshima	G	34.4406	133.1011	139.3	4.89	990	1323.1	12.9	-8.4	-52.5	14.4
Hiroshima	G	34.8306	132.6372	291.2	1.59	913	1665.6	11.6	-8.4	-50.2	17.2
Yamaguchi	I	34.0744	131.0008	63.7	2.79	895	1794.1	14.6	-7.5	-45.5	14.4
Yamaguchi	I	34.3311	130.9922	47.9	4.38	1036	1913.1	13.6	-7.1	-43.7	13.3
Yamaguchi	I	34.2806	131.1014	164.4	3.66	1036	1974.9	12.7	-7.4	-45.3	13.6
Yamaguchi	I	34.2617	131.2142	222	1.6	948	1926.2	12.9	-8.1	-48.0	16.6
Yamaguchi	I	34.3214	131.2997	255.4	1.34	948	1939.5	12.5	-8.1	-49.3	15.7
Yamaguchi	I	34.3642	131.3994	87	2.32	948	1832.3	13.8	-8.0	-50.2	14
Yamaguchi	I	34.2717	131.4572	302	2.84	948	2220.3	11.9	-8.1	-50.1	14.7
Yamaguchi	I	34.2389	131.4378	401.1	3.66	948	2170.7	11.7	-7.9	-49.0	14.3
Yamaguchi	I	34.1433	131.5461	202.7	1.4	948	1976.4	12.7	-7.6	-47.7	13.4
Yamaguchi	I	34.2572	131.5992	201.7	4.8	948	2073.7	12.4	-7.0	-46.5	9.6
Yamaguchi	I	34.3178	131.5444	252.1	3.87	948	2065.5	12.1	-8.1	-48.3	16.4

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Yamaguchi	I	34.405	131.4711	156	4.84	948	1885.4	13.2	-8.2	-51.9	13.4
Yamaguchi	I	34.3883	131.6664	355.7	3.66	946	1994.2	11.7	-8.3	-50.5	16.2
Yamaguchi	I	34.3022	131.7244	386.3	5.93	934	2308.4	10.7	-8.0	-48.6	15.4
Yamaguchi	I	34.4314	131.64	393.7	4.84	948	2084.5	11.9	-8.1	-49.9	15
Yamaguchi	I	34.5775	131.7081	136	1.7	934	1822.3	12.8	-8.1	-50.0	14.9
Yamaguchi	I	34.2586	131.8614	530.1	2.94	934	2386.8	9.7	-8.1	-48.7	16.1
Yamaguchi	I	34.1239	131.7958	156	2.53	934	2145.5	12.4	-7.0	-43.3	12.7
Yamaguchi	I	34.1847	132.0681	70.9	2.94	934	1873.2	13	-7.5	-46.7	13.2
Yamaguchi	I	34.3231	131.9333	402.3	2.22	934	2285.4	10.9	-7.6	-47.5	13.2
Yamaguchi	I	34.4131	132.0411	398.1	4.89	934	2299.4	10.6	-8.4	-50.6	16.9
Tokushima	H	33.9669	133.8444	371.8	4.04	939	1702.8	10.9	-8.5	-55.9	12.3
Tokushima	H	33.9847	133.9792	531	6.01	939	1844.5	9.5	-9.4	-59.9	15.6
Tokushima	H	34.0881	133.88	338.3	4.7	933	1382.7	11.5	-8.8	-58.1	12.3
Tokushima	H	34.0422	134.2072	177	2.43	971	1414.7	12.5	-8.9	-59.1	12.4
Tokushima	H	34.1461	134.1981	285.1	2.69	841	1480.5	12	-8.7	-58.7	11.1
Tokushima	H	34.15	134.3397	213.3	3.31	841	1449.9	13	-8.4	-56.6	10.7
Tokushima	H	34.1444	134.4175	105.7	1.14	841	1360.4	14.4	-8.4	-53.9	13
Tokushima	H	34.1953	134.5039	161.7	4.13	273	420.8	4.6	-8.6	-53.5	15.2
Tokushima	H	33.9528	134.4958	320	2.9	971	2295.9	12.5	-8.0	-46.6	17.7
Tokushima	H	33.9164	134.3731	481.6	4.87	971	2817.8	10.8	-8.6	-50.8	18.2
Tokushima	H	33.9064	134.2692	831	5.7	971	2900.8	9	-9.1	-55.0	18.1
Tokushima	H	33.9539	134.1317	276.7	9.74	939	2198.1	10.7	-9.2	-60.5	12.7
Tokushima	H	33.8669	134.2336	491.9	7.15	971	3072.6	10	-9.3	-55.3	18.8
Tokushima	H	33.7861	134.11	555.7	11.52	939	3163.5	9.5	-8.3	-53.0	13.2
Tokushima	H	33.8742	134.1206	780.3	8.55	939	3201.7	7.5	-9.3	-61.3	13.2
Tokushima	H	33.89	133.8714	650.7	6.89	939	2091.7	8.9	-8.8	-55.5	14.9
Tokushima	H	33.8833	134.2911	591	10.62	971	3086.8	9.3	-8.6	-53.8	14.9
Tokushima	H	33.7744	134.3039	310.9	7.73	971	3260.4	12.1	-6.9	-42.1	13.3
Tokushima	H	33.8606	134.4011	525.9	2.18	971	2933.7	11.8	-7.8	-44.1	18.2
Tokushima	H	33.8006	134.4864	130.7	4.1	971	2787.3	13.9	-7.0	-40.2	15.7
Tokushima	H	33.8864	134.56	130	1.87	971	2283.4	14.5	-7.1	-42.6	14.4
Tokushima	H	33.7992	134.5433	172	0.83	971	2626.1	14	-7.1	-38.9	17.7
Tokushima	H	33.7033	134.4192	104	3.69	971	3255.3	13.6	-6.7	-37.4	15.8
Tokushima	H	33.6747	134.3569	133.7	1.51	971	3389.7	14.4	-6.4	-35.1	16.1

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Tokushima	H	33.6961	134.2219	299.8	6.28	971	3578.2	11.3	-7.2	-41.9	15.9
Tokushima	H	33.6072	134.2144	215.9	5.82	971	3686.5	12.8	-6.6	-37.8	15.3
Tokushima	H	34.0375	134.3917	161	3.47	971	1726.5	13.9	-7.9	-52.9	10
Tokushima	H	33.8856	133.9953	793.6	10.73	939	2425.2	8.1	-9.6	-62.6	13.8
Tokushima	H	33.7047	134.5081	85.6	1.14	662	1836.8	10.4	-6.6	-36.2	16.4
Kagawa	H	34.0514	133.7078	254.2	2.53	939	1349.7	11.3	-8.6	-56.6	11.9
Kagawa	H	34.1147	133.8178	192.8	2.74	933	1380.9	11.4	-8.5	-56.4	11.8
Kagawa	H	34.1128	133.8997	434.4	2.58	933	1423.2	10.7	-8.9	-58.9	12.1
Kagawa	H	34.1411	133.9253	307.3	5.63	933	1480.2	11.2	-9.6	-60.3	16.4
Kagawa	H	34.1578	134.0356	385.4	2.89	933	1392.9	11.3	-9.8	-63.2	15.3
Kagawa	H	34.1803	134.0644	246.4	1.08	933	1388.6	12.9	-9.5	-62.6	13.2
Kagawa	H	34.2044	134.2283	338	1.5	841	1344.5	12.9	-9.3	-58.8	15.5
Kagawa	H	34.2061	134.1858	289.7	2.22	841	1347.8	11.7	-9.0	-59.6	12.2
Kagawa	H	34.1836	134.3003	205.6	2.38	841	1457.7	12.2	-8.2	-55.0	10.4
Kagawa	H	34.2042	134.3836	95	1.5	841	1323.1	14	-8.4	-56.1	10.9
Kagawa	H	34.1833	134.4189	146	0.98	841	1334.9	13.5	-8.3	-55.9	10.5
Kagawa	H	34.2375	134.2108	176	0.31	841	1188.5	13.8	-8.4	-57.1	10.2
Kagawa	H	34.1569	134.0011	359.1	0.47	933	1337.4	12	-8.7	-59.8	10
Kagawa	H	34.2083	134.0914	253	0.98	933	1278.2	12.9	-8.9	-60.3	11.1
Kagawa	H	34.1786	134.0067	246.3	0.62	933	1324.8	12.4	-8.9	-61.7	9.8
Kagawa	H	34.1406	134.1281	451.1	3.98	933	1419.7	11.1	-9.7	-61.4	15.8
Ehime	H	34.0272	133.6228	188.6	0.78	936	1213.5	13.6	-8.1	-53.7	11
Ehime	H	33.9078	133.5781	456.8	6.74	936	2153	10.6	-8.2	-53.3	12.4
Ehime	H	33.9039	133.5403	612.1	3.99	936	2304.7	9	-8.3	-54.2	12.4
Ehime	H	33.9522	133.5061	210.3	2.02	936	1642.7	12.1	-8.5	-55.6	12.5
Ehime	H	33.9072	133.3814	419.9	12.33	936	2270.8	8.5	-8.8	-58.3	12.2
Ehime	H	33.9053	133.3208	302.7	3.42	936	2236.7	8.4	-9.2	-60.5	13.4
Ehime	H	33.9047	133.2636	159.8	10.21	936	2062.6	10.3	-9.0	-58.5	13.4
Ehime	H	33.8517	133.2403	641.7	3.16	936	2260.2	8.6	-9.1	-59.5	12.9
Ehime	H	33.8106	133.1031	348.4	22.36	949	2459.8	8.7	-9.1	-58.1	14.7
Ehime	H	33.7956	133.1603	502.2	16.81	945	2905	7.7	-9.0	-57.1	14.7
Ehime	H	33.7233	132.965	757	4.21	949	2067.8	8.9	-8.6	-53.3	15.5
Ehime	H	33.5422	132.8906	879.7	10.61	956	2483.6	8.3	-8.7	-52.5	17.1
Ehime	H	33.605	133.0353	669.3	9.78	949	2464.7	9.1	-8.1	-49.7	14.9

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Ehime	H	33.7097	132.8444	356.3	2.08	949	1819.9	10.9	-7.9	-50.9	12
Ehime	H	33.8258	133.0506	385.3	3.99	949	1991	10.2	-8.8	-55.7	14.3
Ehime	H	33.8358	132.9561	369.3	5.65	949	1661.6	12.2	-8.4	-53.6	13.6
Ehime	H	33.8775	132.9458	453	6.48	949	1896.1	11.1	-8.8	-55.6	15.2
Ehime	H	33.9467	132.9617	461	11.86	949	1915	10.6	-8.9	-55.3	16.2
Ehime	H	33.8644	132.8544	435.3	2.7	949	1563.3	12.6	-8.2	-52.4	13.2
Ehime	H	33.9256	132.8839	459.1	5.18	949	1873.8	11.9	-8.3	-53.2	12.9
Ehime	H	33.4158	132.7914	415.3	2.81	956	2196.7	12.5	-7.5	-49.7	10.5
Ehime	H	33.3542	132.5553	280.3	3.08	1356	1866.3	12.3	-7.3	-45.5	12.5
Ehime	H	33.4772	132.6003	196.4	3.7	1356	1686.3	13.2	-7.5	-47.2	12.9
Ehime	H	33.5269	132.8078	579.8	3.64	956	2256.5	9.9	-8.4	-52.8	14.5
Ehime	H	33.6653	132.6725	179.3	3.48	1165	1659.4	12.7	-8.0	-48.5	15.2
Ehime	H	33.6225	132.5728	426.3	2.96	1341	1729.5	11.7	-8.0	-49.3	14.4
Ehime	H	33.5208	132.3983	230	1.09	1356	1760	12.6	-7.4	-45.7	13.8
Ehime	H	33.2347	132.6714	242.8	2.56	1266	2206.3	12.9	-7.4	-46.9	12.6
Ehime	H	33.0703	132.53	155.3	2.3	1055	2347.1	14.3	-7.4	-47.3	12
Ehime	H	33.0114	132.5267	128.3	3.66	1055	2263.3	13.4	-7.7	-49.0	13
Ehime	H	33.1608	132.5967	228	5.07	1356	2423.9	11.9	-7.8	-51	11.7
Ehime	H	33.36	132.7686	384.3	1.1	956	2015.9	12.3	-7.4	-45.7	13.3
Kochi	H	33.3208	134.1308	87	5.95	949	2746.3	15.3	-6.5	-36.5	15.8
Kochi	H	33.4694	134.1025	341.7	5.94	949	3283	12.2	-7.1	-41.5	15.5
Kochi	H	33.5353	133.9733	179.3	7.18	949	2665.1	13.2	-7.6	-45.1	16
Kochi	H	33.5289	133.8636	103.7	2.19	949	2111.2	15.2	-6.8	-41.4	13.2
Kochi	H	33.6419	134.1042	491.3	3.74	939	4005.1	11.4	-7.4	-43.4	15.5
Kochi	H	33.5964	133.9119	148.2	28.43	939	2975.4	12.2	-7.3	-43.1	15.1
Kochi	H	33.7819	133.8806	684.6	3.17	939	2667	9.6	-8.0	-51.3	13.1
Kochi	H	33.7033	133.7686	413	3.48	939	2955.9	10.2	-7.2	-43.8	14.1
Kochi	H	33.8314	133.7222	651.1	3.68	939	2028.2	10.1	-8.0	-50.2	13.4
Kochi	H	33.8272	133.56	576.3	5.91	936	2529.2	8.9	-7.9	-50.4	12.8
Kochi	H	33.6728	133.5808	492.3	8.42	936	3121.9	11.1	-7.4	-44.2	14.8
Kochi	H	33.7028	133.4167	639	8.52	936	3242.3	10.6	-7.1	-45.4	11.3
Kochi	H	33.6364	133.4156	440.2	5.56	936	3166.6	12	-7.3	-43.5	15.2
Kochi	H	33.4531	133.3125	247.7	0.52	974	2806.9	13.9	-6.8	-40.9	13.7
Kochi	H	33.4894	133.1567	268	12.81	956	3040.3	12.1	-6.7	-42.1	11.8

Prefecture	Region	Latitude N	Longitude E	ELV (m)	ARA (km ²)	AET (mm/year)	MAP (mm/year)	MAT (°C)	δ ¹⁸ O (‰)	δ ² H (‰)	d (‰)
Kochi	H	33.6672	133.2097	673.8	5.04	936	2885.4	10.2	-8.1	-53.4	11.1
Kochi	H	33.6075	133.2897	136.7	5.82	936	3021.1	13	-7.2	-44.0	13.3
Kochi	H	33.5717	133.1231	383.3	9.57	952	2699.8	10.9	-7.8	-48.0	14.2
Kochi	H	33.3583	133.0833	420	8.34	956	3080.7	12.1	-6.6	-41.8	10.7
Kochi	H	33.4467	133.025	531	6.41	956	3129.1	10.3	-7.1	-44.7	11.9
Kochi	H	33.2111	133.0194	285.3	1.57	956	2914.4	13	-7.0	-41.9	13.9
Kochi	H	33.2736	133.0919	290.3	2.35	956	3112	13.1	-6.6	-40.5	11.9
Kochi	H	33.2731	133.1914	310.3	1.98	974	2920	14.6	-6.1	-37.0	11.6
Kochi	H	33.0822	133.0161	98.9	4.65	960	2815.9	13.7	-6.9	-41.7	13.9
Kochi	H	33.1197	132.9189	273.8	3.35	956	2830.6	12.8	-7.4	-44.8	14
Kochi	H	33.2531	132.8644	287.1	4.54	956	2318	13	-7.7	-47.6	13.8
Kochi	H	33.1189	132.8286	87.7	4.5	956	2624	12.7	-7.2	-44.5	12.8
Kochi	H	33.1356	132.7303	176	1.78	956	2317.3	14	-6.9	-42.2	12.7
Kochi	H	33.015	132.8033	181	8.64	1095	2480.3	13.8	-7.1	-41.3	15.4
Kochi	H	32.9953	132.7283	122.3	7.64	1095	2346.2	14.3	-7.1	-43.6	13.5
Kochi	H	32.8703	132.7581	113.2	4.25	1095	2502.8	14.9	-7.6	-45.3	15.4
Kochi	H	32.8058	132.8597	68	13.01	1095	2892.6	14.6	-7.0	-40.7	15.6
Kochi	H	32.9761	132.8408	28.7	3.77	1095	2468	15	-7.2	-41.9	15.5
Kochi	H	32.8811	132.9825	30	5.29	973	2205.4	14	-6.6	-37.1	15.4
Fukuoka	I	33.7917	130.9111	212	1.76	853	1876.2	13.4	-7.9	-47.9	15.1
Fukuoka	I	33.7981	130.7933	315.7	0.62	853	1938.3	12.6	-7.8	-48.2	14.1
Fukuoka	I	33.7306	130.5383	140.7	3.48	858	1790.1	12.8	-8.0	-48.8	15
Fukuoka	I	33.6781	130.5331	165.7	2.23	858	2032.7	13.3	-7.9	-47.0	16.3
Fukuoka	I	33.6303	130.5667	210	2.6	858	2051	13.3	-8.1	-48.7	16.5
Fukuoka	I	33.5528	130.5978	418	1.25	871	1980.5	12.7	-7.5	-45.0	15.2
Fukuoka	I	33.4542	130.3519	408	3.54	871	2523.9	11.2	-7.7	-47.2	14.5
Fukuoka	I	33.4822	130.2997	390.2	3.02	871	2337.3	11.7	-7.7	-49.4	12.4
Fukuoka	I	33.4931	130.2069	298.2	2.03	871	2255.3	11.8	-7.7	-48.1	13.2
Fukuoka	I	33.4911	130.1572	418.8	0.31	1131	2253.5	12.2	-7.6	-48.3	12.8
Fukuoka	I	33.4781	130.7128	377.4	1.3	850	2277.7	11.9	-8.0	-47.7	16.3
Fukuoka	I	33.5228	130.8236	324.6	0.47	850	2203	13.1	-7.8	-47.4	14.7
Fukuoka	I	33.5761	130.9672	290.6	1.61	850	2109.2	12.7	-7.8	-50.9	11.7
Fukuoka	I	33.5789	130.9078	266.2	3.23	850	2076.7	12.6	-8.2	-51.0	14.2
Fukuoka	I	33.5453	131.0875	171.7	0.88	850	1967.2	13.1	-8.1	-51.4	13.3

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Fukuoka	I	33.4692	130.9061	587.7	4.17	850	2531.5	10.2	-7.7	-48.7	13.1
Fukuoka	I	33.2975	130.7289	586.3	0.26	850	2199.9	12.5	-7.8	-48.1	14.3
Fukuoka	I	33.1586	130.8422	446.9	5.7	850	2984.7	10.8	-7.5	-47.9	11.7
Fukuoka	I	33.2139	130.7653	631.8	1.04	850	2676.4	10.8	-7.3	-46.3	11.8
Fukuoka	I	33.1586	130.6039	167.4	1.93	871	2102.4	14	-7.4	-46.4	13.2
Fukuoka	I	33.1436	130.5419	136.4	1.78	871	2013.9	14.3	-7.3	-45.9	12.7
Fukuoka	I	33.2836	130.5861	120.4	5.01	871	1903.7	13.7	-6.8	-43.4	11.3
Fukuoka	I	33.2533	130.6364	151.7	2.82	871	2194.5	13.9	-7.1	-45.6	11.4
Fukuoka	I	33.6869	130.8328	161.8	0.99	853	1914.4	13.4	-7.7	-47.6	14.1
Fukuoka	I	33.74	130.8411	202.7	6.07	853	2164.4	12.5	-8.0	-48.6	15.1
Fukuoka	I	33.2914	130.7794	303.8	4.49	850	2433.7	12.6	-7.4	-48.2	11.1
Saga	I	33.3703	130.1153	631.6	0.89	1131	2624.5	10.7	-7.9	-48.0	14.9
Saga	I	33.4614	130.1556	555.4	2.6	1084	2340	11.2	-8.0	-49.3	15.1
Saga	I	33.3556	130.2881	200.9	2.03	871	2273.1	13.6	-7.1	-42.2	14.3
Saga	I	33.4294	130.3403	610.8	0.68	871	2569.4	11.6	-7.6	-47.5	13
Saga	I	33.3797	130.3611	380	1.88	871	2537.2	13	-7.4	-45.5	14.1
Saga	I	33.3811	130.455	222	2.24	871	2373.6	13.6	-7.4	-45.1	13.9
Saga	I	33.3	130.1256	118	2.87	1131	2228.2	14	-7.2	-44.3	13.6
Saga	I	33.3561	130.0494	239.4	2.82	1131	2520	11.2	-7.5	-47.5	12.4
Saga	I	33.2056	129.8975	146	0.73	1131	2022.5	13.8	-5.9	-38.0	9
Saga	I	33.0781	129.9919	204.7	0.99	1088	2453.5	13.1	-7.2	-43.9	13.8
Saga	I	33.03	130.0314	390	4.29	1088	2809.2	12.1	-7.0	-43.3	13
Saga	I	33.0331	130.0889	321.7	1.05	1088	2643.2	13.7	-7.5	-46.3	13.8
Saga	I	33.0772	130.0483	161.3	0.89	1088	2367.1	14.2	-6.4	-39.2	11.8
Saga	I	33.0125	130.1133	290	1.83	1088	2705.3	13.4	-7.1	-44.0	13.1
Saga	I	33.3942	130.05	321	1.25	1131	2496.1	11.8	-7.6	-48.8	11.9
Saga	I	33.4203	130.1636	574.2	0.78	1131	2446	11.7	-7.9	-48.5	14.9
Saga	I	33.4639	130.2364	629.3	1.41	871	2294	10.9	-7.9	-48.5	14.6
Saga	I	33.4511	130.2939	498.3	1.2	871	2416.2	11.2	-7.8	-48.5	14.1
Saga	I	33.3306	130.1678	399.8	1.3	1105	2517.6	11.7	-8.0	-47.9	16.1
Saga	I	33.2361	130.0036	136	0.94	1131	1986.5	14.4	-6.8	-40.7	13.6
Saga	I	33.2753	130.0217	355.7	0.52	1131	1896.7	12.9	-7.3	-43.2	15.4
Nagasaki	I	33.1144	129.9161	268.3	0.63	1131	2122.8	13.6	-6.5	-41.7	10.4
Nagasaki	I	32.9622	130.0458	578.7	1.05	1088	2760.3	11.3	-6.6	-41.2	11.7

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Nagasaki	I	32.9317	130.0956	272.3	4.4	1088	2694.1	13	-7.1	-43.4	13.4
Nagasaki	I	32.7592	130.2589	493.7	1.26	1392	2625.5	11.4	-7.3	-46.8	11.6
Nagasaki	I	32.6647	129.8489	166.8	1.16	1088	1948	14.6	-6.5	-40.2	12
Nagasaki	I	32.9125	129.7075	243	4.56	1088	2199.1	13.9	-6.9	-39.8	15.3
Nagasaki	I	33.3378	129.4806	193.4	0.99				-6.4	-40.2	11.1
Kumamoto	I	33.0519	130.8536	336.7	0.73	954	2749.9	12.9	-6.6	-43.1	9.9
Kumamoto	I	32.7742	130.9383	608	2.89	954	2767.4	11.4	-8.2	-52.2	13.4
Kumamoto	I	32.5989	130.9164	417.7	9.26	957	2533.4	9.8	-8.6	-53.6	14.8
Kumamoto	I	32.6458	131.0322	583.7	1.68	954	2412.7	10.7	-8.5	-53.6	14.4
Kumamoto	I	32.4961	130.96	729	6.64	981	2946.3	8.6	-9.0	-56.0	15.9
Kumamoto	I	32.4264	130.9025	731	1.63	981	2963.4	9.1	-8.3	-53.6	12.7
Kumamoto	I	32.4958	130.7436	386	0.84	981	2437.4	12.7	-8.3	-50.9	15.3
Kumamoto	I	32.3536	130.6819	386.2	2.22	981	2645.4	11.5	-8.3	-51.6	14.7
Kumamoto	I	32.4119	130.7889	368.6	8.96	981	2704.8	11.7	-8.1	-51.0	13.9
Kumamoto	I	32.3392	130.9361	399.3	2.74	981	2767.8	11.4	-8.2	-51.8	14
Kumamoto	I	32.2869	130.65	359	2.37	993	2562.9	12.4	-8.4	-51.8	15.2
Kumamoto	I	32.1603	130.7053	481.1	2.11	981	2706.7	12.8	-8.2	-50.0	15.4
Kumamoto	I	32.1928	130.9339	332	5.65	981	3036.3	11.3	-8.1	-52.3	12.8
Kumamoto	I	32.2647	131.0214	312	0.95	981	2929	11.9	-7.6	-51.7	8.9
Kumamoto	I	32.3339	130.5461	212.3	2.06	1002	2249.6	14.1	-8.2	-49.5	16.3
Kumamoto	I	32.4375	130.31	203	0.58				-7.0	-41.6	14.8
Kumamoto	I	32.365	130.1183	222	0.74	1135	2265.8	15.2	-7.1	-40.7	15.7
Kumamoto	I	32.4119	130.0447	109.1	1.79	1135	2167.4	15.2	-7.2	-41.5	16.4
Kumamoto	I	32.9817	130.9247	612	4.87	954	2869.5	10.4	-7.2	-46.9	10.8
Kumamoto	I	32.5392	130.7844	478.3	1.16	981	2395.9	13	-8.2	-53.3	12.7
Kumamoto	I	32.5767	130.8875	823	0.42	981	2462.3	9.9	-9.0	-54.6	17.1
Oita	I	33.4428	130.9883	351.7	2.66	850	2385	11.9	-7.6	-49.2	11.8
Oita	I	33.2556	131.1147	578.1	2.82	850	2038.7	10.9	-8.5	-54.4	13.5
Oita	I	33.1603	130.9669	443.1	3.14	850	2551.9	11.6	-7.8	-50.0	12.2
Oita	I	33.2278	131.2561	635.7	1.88	952	2031.9	10.9	-8.4	-54.7	12.9
Oita	I	33.265	131.2111	475	1.04	952	1888.2	10.7	-8.0	-51.3	12.8
Oita	I	33.385	131.2636	235.7	0.94	952	1815.3	13.1	-8.0	-51.0	13.4
Oita	I	33.3294	131.3514	465.3	2.35	952	2046.8	10.4	-8.9	-55.3	15.6
Oita	I	33.4756	131.4594	171.1	1.04	952	1669.4	13.7	-7.7	-48.2	13.3

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Oita	I	33.5289	131.4753	60.4	3.07	952	1651.7	13	-7.7	-48.6	13.2
Oita	I	33.5867	131.6156	235.3	1.09	960	1884.3	13	-7.5	-47.4	12.8
Oita	I	33.1797	131.3611	495.9	1.31	952	1964.6	11.4	-8.2	-52.7	13
Oita	I	33.1178	131.4953	212.7	3.4	952	1958.8	12.6	-7.8	-50.1	12
Oita	I	33.1372	131.7203	80.4	1.99	973	1738.6	14.7	-7.5	-48.0	11.6
Oita	I	33.2322	131.8069	44	1.78	973	1676.4	14.9	-6.8	-41.9	12.2
Oita	I	33.0186	131.8231	162.9	5.6	937	2095.2	13.6	-7.2	-44.3	13.4
Oita	I	32.9389	131.6997	165.7	2.99	937	2127.3	13.5	-7.8	-48.1	14.2
Oita	I	32.97	131.6286	198	1.68	928	2073.8	12.4	-7.7	-48.0	13.4
Oita	I	33.0639	131.4422	592.6	1.62	928	1904.3	11.4	-8.0	-50.5	13.5
Oita	I	32.8633	131.3453	500.7	8.18	928	2541.5	9.8	-8.6	-56.7	12.3
Oita	I	32.8989	131.4581	291	3.83	928	2187.4	12.1	-7.6	-49.9	10.6
Oita	I	32.7861	131.6747	170.2	6.09	929	2383	13.6	-7.3	-45.1	13.2
Oita	I	32.8417	131.8133	202	6.24	937	2434.8	13.4	-7.0	-43.8	12.2
Oita	I	32.8781	131.9061	118.9	3.09	937	2221.8	14	-6.8	-42.2	11.9
Miyazaki	J	32.7794	131.3061	580.6	4.25	928	2531.7	10.1	-7.8	-52.9	9.8
Miyazaki	J	32.8083	131.4794	622	4.67	928	2491	10.5	-8.6	-56.3	12.5
Miyazaki	J	32.6678	131.5131	431.3	6.83	928	2709.9	10.8	-7.3	-48.6	9.9
Miyazaki	J	32.5872	131.3897	476	5.74	981	2810.4	9.7	-7.2	-45.4	12.5
Miyazaki	J	32.6225	131.2142	696	7	957	2794.2	11.8	-8.5	-53.5	14.5
Miyazaki	J	32.5083	131.1656	620	6.68	928	2564.4	10.3	-8.5	-55.0	13.2
Miyazaki	J	32.4242	131.0978	647	1.63	981	2962.4	11.1	-8.3	-53.4	12.8
Miyazaki	J	32.4722	131.3744	112.6	3	978	2750.2	13.6	-7.4	-45.8	13.4
Miyazaki	J	32.3539	131.2686	391.3	7.38	978	3026.5	11.1	-7.9	-50.0	13.4
Miyazaki	J	32.4561	131.5544	91.1	3.64	978	2486.9	14.8	-6.6	-41.7	11.3
Miyazaki	J	32.3597	131.5014	282.2	2.9	978	2849.8	14.1	-6.9	-45.5	9.3
Miyazaki	J	32.3653	131.4142	206.3	5.17	978	2840.7	13.8	-8.0	-47.4	16.6
Miyazaki	J	32.2492	131.4656	261.7	7.76	978	3023.7	13	-7.9	-47.0	16
Miyazaki	J	32.2006	131.2992	264	0.95	978	2854.9	14.1	-7.9	-47.7	15.2
Miyazaki	J	32.2597	131.1589	387.8	5.65	980	3016.7	11.5	-8.3	-49.8	16.4
Miyazaki	J	32.0294	131.0819	468.6	1.85	1017	2793.3	12.5	-7.9	-48.8	14.5
Miyazaki	J	32.0769	130.8997	408.8	4.87	981	2958.8	12.2	-7.5	-49.6	10.5
Miyazaki	J	31.9689	130.8992	563.7	4.56	1017	3905.6	10.3	-8.2	-50.4	15.3
Miyazaki	J	31.9139	131.2639	86.4	5.03	1003	2435.5	15	-7.4	-45.3	13.8

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Miyazaki	J	32.1172	131.2819	236.2	1.96	978	2925.2	13.7	-7.8	-47.7	14.6
Miyazaki	J	31.6969	131.265	294.7	4.46	1003	3168	12.9	-7.3	-42.6	16.1
Miyazaki	J	31.7708	131.3583	286	2.97	1003	2912.7	14.9	-7.3	-43.7	14.8
Miyazaki	J	31.6558	131.1256	332	6.32	1017	2916.9	13.2	-7.6	-46.7	13.7
Miyazaki	J	31.6017	131.2369	196	6.43	1003	3107.5	14	-7.2	-42.8	14.5
Miyazaki	J	31.5525	131.2183	71	3.72	1027	2767.6	15.7	-6.9	-40.4	14.7
Miyazaki	J	31.7647	130.9042	322.3	3.03	1017	2513.5	14.7	-7.8	-47.2	15.4
Miyazaki	J	32.7086	131.7886	127.2	4.2	937	2367.5	14.9	-6.4	-39.9	11.3
Kagoshima	J	32.1231	130.6278	362.4	10.31	1002	2763.8	11.9	-7.3	-48.7	10
Kagoshima	J	32.0042	130.3967	311	5.56	1012	2929.2	13.4	-7.7	-44.0	17.4
Kagoshima	J	32.0375	130.43	140	11.27	1012	2746.1	14.1	-7.2	-44.0	13.7
Kagoshima	J	32.0581	130.6847	324.3	2.8	1017	2793.8	13.2	-6.9	-45.9	9.7
Kagoshima	J	31.5264	130.7961	375.3	1.76	1038	2864.7	14.4	-7.6	-45.4	15.2
Kagoshima	J	31.4425	130.8436	124.7	1.7	1038	2713.6	15.6	-7.3	-43.9	14.4
Kagoshima	J	31.22	130.9019	343.7	3.63	1038	3112.6	13.1	-7.7	-43.4	18
Kagoshima	J	31.1036	130.8706	132	4.44	1038	2926.1	14.3	-6.9	-39.8	15
Kagoshima	J	31.6875	130.4358	203	1.75	1012	2256.5	15.2	-7.2	-44.4	13.3
Kagoshima	J	31.7628	130.3789	159.8	1.22	1012	2358.3	15.2	-7.1	-43.5	13.4
Kagoshima	J	31.9625	130.3175	271	2.75	1012	2902.9	13.6	-7.5	-44.3	15.9
Kagoshima	J	31.9661	130.2428	146.7	1.75	1012	2593.2	14.6	-7.6	-44.3	16.3
Kagoshima	J	31.305	131.0864	96.3	1.28	930	2496.1	14.3	-6.8	-38.3	16.3