

Supporting Information

Changes in surface ozone in South Korea on diurnal to decadal time scale for the period of 2001-2021

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This supporting information includes Table S1.

Table S1. Information about the surface monitor stations used in this study

Table S1. Information about the surface monitor stations used in this study

Index	Station code	City·Province	Site name	Latitude	Longitude
1	111121	Seoul	Jung-gu	37.56	126.97
2	111123		Jongno-gu	37.57	127.00
3	111131		Yongsan-gu	37.54	127.00
4	111141		Gwangjin-gu	37.55	127.09
5	111142		Seongdong-gu	37.54	127.04
6	111151		Jungnang-gu	37.58	127.09
7	111152		Dongdaemun-gu	37.58	127.03
8	111161		Seongbuk-gu	37.61	127.03
9	111171		Dobong-gu	37.65	127.03
10	111181		Eunpyeong-gu	37.61	126.93
11	111191		Seodaemun-gu	37.59	126.95
12	111201		Mapo-gu	37.56	126.91
13	111212		Gangseo-gu	37.54	126.84
14	111221		Guro-gu	37.50	126.89
15	111231		Yeongdeungpo-gu	37.53	126.90
16	111241		Dongjak-gu	37.48	126.97
17	111251		Gwanak-gu	37.49	126.93
18	111261		Gangnam-gu	37.52	127.05
19	111262		Seocho-gu	37.50	126.99
20	111273		Songpa-gu	37.50	127.09
21	111274		Gangdong-gu	37.55	127.14
22	111281		Geumcheon-gu	37.45	126.91
23	111291		Gangbuk-gu	37.65	127.01
24	111301		Yangcheon-gu	37.53	126.86
25	111311		Nowon-gu	37.66	127.07
26	831492	Incheon	Baengnyeong island	37.96	124.63
27	823611		Sinheung	37.47	126.63
28	823621		Songnim	37.47	126.64
29	823631		Guwol	37.45	126.72
30	823632		Sungui	37.46	126.65
31	823641		Bupyeong	37.50	126.72
32	823651		Yeonhui	37.54	126.68
33	823671		Gojan	37.40	126.70
34	823681		Seongnam	37.50	126.67
35	823691		Songhae	37.76	126.46
36	823633		Seokbawi	37.46	126.69
37	525111	Daejeon	Eumnae-dong	36.37	127.42
38	525112		Munpyeong-dong	36.45	127.40
39	525121		Munchang-dong	36.32	127.44
40	525141		Guseong-dong	36.37	127.37
41	525151		Daheungdong2	36.32	127.42
42	525173		Wolpyeong-dong	36.35	127.35
43	324115	Gwangju	Seoseok-dong	35.15	126.92
44	324121		Nongseong-dong	35.15	126.89
45	324133		Duam-dong	35.17	126.93
46	324141		Songjeong1-dong	35.14	126.80
47	221112	Pusan	Gwangbok-dong	35.10	129.03
48	221172		Daeyeon-dong	35.13	129.09
49	221181		Hakjang-dong	35.15	128.98

50	221182		Deokcheon-dong	35.21	129.01
51	221202		Jangnim-dong	35.08	128.97
52	221152		Jeonpo-dong	35.16	129.06
53	221221		Yeonsan-dong	35.18	129.07
54	221141		Taejongdae	35.06	129.08
55	221191		Cheongnyong-dong	35.28	129.09
56	221192		Jwa-dong	35.17	129.17
57	221211		Daejeo-dong	35.21	128.97
58	221212		Noksan-dong	35.09	128.86
59	221231		Gijang-eup	35.24	129.22
60	221251		Bugok-dong	35.23	129.09
61	221271		Gwangan-dong	35.16	129.12
62	221163		Myeongjang-dong	35.20	129.10
63	221233		Yongsu-ri	35.33	129.18
64	221241		Sujeong-dong	35.13	129.05
65	221281		Daesin-dong	35.12	129.02
66	221282		Deokpo-dong	35.17	128.99
67	221283		Gaegeum-dong	35.16	129.02
68	221284		Dangni-dong	35.11	128.97
69	221193		Jaesong-dong	35.18	129.12
70	221142		Cheonghak-dong	35.09	129.06
71	221183		Hwamyong-dong	35.23	129.01
72	238120		Daesong-dong	35.50	129.42
73	238121		Seongnam-dong	35.56	129.32
74	238122		Bugok-dong	35.50	129.34
75	238124		Yaeum-dong	35.53	129.33
76	238125		Samsan-dong	35.54	129.33
77	238127	Ulsan	Sinjeong-dong	35.53	129.31
78	238128		Deoksil-ri	35.43	129.31
79	238129		Mugeo-dong	35.56	129.26
80	238130		Hyomun-dong	35.56	129.37
81	238371		Hwasal-ri	35.44	129.34
82	238373		Sangnam-ri	35.49	129.31
83	238126		Sinjeongno	35.53	129.30
84	422114		Suchang-dong	35.87	128.58
85	422115		Jisan-dong	35.83	128.63
86	422121		Seoho-dong	35.87	128.71
87	422132		Ihyeon-dong	35.87	128.55
88	422141		Daemyeong-dong	35.85	128.57
89	422153	Daegu	Nowon-dong	35.89	128.56
90	422154		Sinam-dong	35.89	128.63
91	422161		Manchon-dong	35.87	128.64
92	422171		Horim-dong	35.84	128.49
93	422113		Namsan-dong	35.87	128.59
94	422133		Pyeongni-dong	35.88	128.56
95	339111		Ido-dong	33.50	126.53
96	339121	Cheju	Donghong-dong	33.25	126.57
97	339312		Gosal-ri	33.29	126.16
98	533112		Songjeong-dong	36.64	127.44
99	533113	Chungcheongbuk	Sacheon-dong	36.67	127.47
100	533114		Yongdam-dong	36.64	127.50

101	633122		Hoam-dong	36.96	127.93
102	633131		Jangnak-dong	37.15	128.22
103	534111	Chungcheongnam	Seonghwang-dong	36.81	127.15
104	534421		Dokgot-ri	36.99	126.39
105	534422		Dongmun-dong	36.78	126.46
106	132112	Gangwon	Jungangno	37.88	127.72
107	132113		Seoksa-dong	37.86	127.75
108	632132		Okcheon-dong	37.76	128.90
109	632121		Jungang-dong	37.35	127.95
110	632122		Bangok-dong	37.34	127.98
111	632421		Ganseong-cup	38.29	128.39
112	132401		Bangsan-myeon	38.22	127.96
113	632371		Bukpyeong-myeon	37.43	128.66
114	632431		Chiaksan	37.36	128.13
115	131111	Gyeonggi	Sinpung-dong	37.28	127.01
116	131112		Ingye-dong	37.26	127.03
117	131113		Gwanggyo-dong	37.29	127.07
118	131114		Yeongtong-dong	37.25	127.06
119	131141		Anyang6-dong	37.39	126.93
120	131142		Burim-dong	37.39	126.96
121	131144		Hogye-dong	37.38	126.95
122	131145		Anyang2-dong	37.41	126.92
123	131121		Dandae-dong	37.45	127.16
124	131123		Jeongja-dong	37.36	127.11
125	131131		Uijeongbu-dong	37.74	127.04
126	131161		Cheolsan-dong	37.48	126.87
127	131191		Gojan-dong	37.32	126.83
128	131192		Wonsi-dong	37.33	126.81
129	131193		Bono-dong	37.30	126.87
130	131194		Wongok-dong	37.33	126.80
131	131195		Bugok-dong	37.33	126.86
132	131196		Daebu-dong	37.24	126.59
133	131341		Bijeon-dong	36.99	127.11
134	131201		Byeollyang-dong	37.42	126.99
135	131202		Gwacheon-dong	37.45	127.00
136	131211		Gyomun-dong	37.59	127.13
137	131212		Donggu-dong	37.62	127.14
138	131222		Bugok3-dong	37.32	126.95
139	131381		Haengsin-dong	37.62	126.84
140	131382		Siksa-dong	37.69	126.81
141	131501		Dang-dong	37.35	126.95
142	131502		Sanbon-dong	37.36	126.93
143	131231		Jeongwang-dong	37.35	126.74
144	131232		Sihwasandan	37.34	126.72
145	131233		Daeya-dong	37.44	126.79
146	831151	Sosabon-dong	37.48	126.80	
147	831152	Nae-dong	37.52	126.77	
148	831153	Jung2-dong	37.49	126.77	
149	831154	Ojeong-dong	37.53	126.80	
150	131241	Geumgok-dong	37.64	127.22	
151	131411		Gimnyangjang-dong	37.23	127.20

152	131471		Sau-dong	37.62	126.72
153	131472		Gochon-eup	37.61	126.76
154	131473		Wolgot-myeon	37.72	126.55
155	131531		Osan-dong	37.16	127.08
156	131541		Sinjang-dong	37.54	127.21
157	437112	Gyeongsangbuk	Jangheung-dong	35.98	129.37
158	437113		Jangnyang-dong	36.07	129.38
159	437151		Gongdan-dong	36.10	128.39
160	437152		Wonpyeong-dong	36.13	128.33
161	437153		Hyeonggok-dong	36.11	128.34
162	437131		Mundang-dong	36.14	128.09
163	437122		Seonggeon-dong	35.85	129.21
164	437141		Myeongnyun-dong	36.57	128.73
165	437161		Gaheung-dong	36.82	128.61
166	437402		Yeongcheon-si	35.97	128.94
167	437541		Taeha-ri	37.52	130.80
168	238111	Gyeongsangnam	Hoewon-dong	35.22	128.57
169	238112		Bongam-dong	35.22	128.60
170	238141		Myeongseo-dong	35.24	128.64
171	238142		Ungnam-dong	35.21	128.66
172	238143		Seongju-dong	35.20	128.71
173	238151		Gyeonghwa-dong	35.15	128.69
174	238131		Sangbong-dong	35.20	128.08
175	238181		Dongsang-dong	35.24	128.88
176	238361		Bukbu-dong	35.35	129.04
177	335115		Jeollabuk	Nosong-dong	35.83
178	735111	Samcheon-dong		35.80	127.12
179	735114	Palbok-dong		35.85	127.09
180	735121	Sinpung-dong		35.97	126.70
181	735122	Soryong-dong		35.97	126.65
182	735123	Gaejeong-dong		35.96	126.75
183	735132	Namjung-dong		35.95	126.96
184	735151	Jukang-dong		35.41	127.38
185	336121	Jeollanam	Seogang-dong	34.74	127.73
186	336124		Wollae-dong	34.85	127.72
187	336352		Jung-dong	34.94	127.70
188	336353		Taein-dong	34.94	127.76
189	336354		Jinsang-myeon	35.02	127.72
190	336131		Jangcheon-dong	34.95	127.49
191	336111		Yongdang-dong	34.81	126.39
192	336441		Nabul-ri	34.77	126.44