12월 30일 굴뚝별 트랜드

					12-30 00:00	12-30 00:30	12-30 01:00	12-30 01:30	12-30 02:00	12-30 02:30	12-30 03:00	12-30 03:30	12-30 04:00	12-30 04:30	12-30 05:00	12-30 05:30	12-30 06:00	12-30 06:30	12-30 07:00	12-30 07:30
TSP	20	mg/Sm³	12	1	0.83	0.75	0.66	0.67	0.72	0.67	0.72	0.68	0.87	0.71	0.70	0.66	0.59	0.68	0.67	0.64
SOx	30	ppm	12	1	3.11	0.10	1.28	6.87	0.00	0.00	0.00	7.82	0.00	2.29	0.98	0.70	0.00	2.32	0.11	0.00
NOx	70	ppm	12	1	36.09	13.65	25.10	17.63	19.94	26.30	20.02	15.26	17.75	15.96	23.36	23.83	13.58	20.34	21.51	20.66
HCl	15	ppm	12	1	6.26	2.04	0.35	2.73	4.02	3.24	4.98	5.44	10.94	0.09	0.16	0.32	0.05	0.75	1.02	0.45
CO	50	ppm	12	1	0.36	0.75	0.35	26.58	0.90	0.34	0.53	21.91	0.85	20.85	9.40	0.98	9.21	0.47	0.43	0.23
O_2		%	0	0.1	8.88	8.16	6.53	6.70	7.84	7.04	7.71	6.99	9.89	7.49	7.27	6.11	5.15	7.00	6.58	6.05
FL1		Sm³	12	10	12,185	12,749	14,645	14,124	13,119	14,046	13,315	13,403	11,565	13,683	14,680	15,282	14,643	14,558	14,829	14,534
TMP		℃	0	1	185.39	185.20	185.12	185.51	184.79	184.62	185.32	184.82	182.98	183.74	185.80	186.77	184.90	184.73	185.69	185.00
TM1		℃	0	1	1,126.23	1,030.16	1,085.79	1,082.98	1,049.98	1,076.46	1,051.81	1,062.29	1,045.89	1,049.49	1,071.07	1,088.34	1,124.01	1,073.49	1,067.49	1,082.68
TM3		℃	0	1	36.13	36.13	36.12	36.10	36.09	36.09	36.11	36.13	36.13	36.13	36.13	36.13	36.13	36.13	36.10	36.10

					12-30 08:00	12-30 08:30	12-30 09:00	12-30 09:30	12-30 10:00	12-30 10:30	12-30 11:00	12-30 11:30	12-30 12:00	12-30 12:30	12-30 13:00	12-30 13:30	12-30 14:00	12-30 14:30	12-30 15:00	12-30 15:30
TSP	20	mg/Sm³	12	1	0.86	0.66	0.71	0.66	0.71	0.70	0.69	0.67	0.85	0.66	0.70	0.67	0.68	0.66	0.66	0.67
SOx	30	ppm	12	1	0.64	0.02	1.89	0.63	0.22	5.02	4.80	3.71	0.00	6.65	5.03	0.00	0.00	0.79	1.51	5.68
NOx	70	ppm	12	1	22.39	16.34	13.28	15.88	14.04	16.79	19.86	22.64	16.02	19.18	11.10	16.85	21.44	17.95	12.84	14.09
HCl	15	ppm	12	1	7.27	0.00	0.00	0.41	1.14	4.00	3.88	4.32	7.61	3.19	15.80	7.30	3.93	2.66	2.47	2.35
CO	50	ppm	12	1	21.30	2.29	12.23	0.93	0.91	0.75	1.15	0.45	1.18	0.54	0.79	0.53	0.55	1.03	19.01	24.94
O_2		%	0	0.1	9.84	6.94	7.75	6.80	7.47	7.21	7.12	6.66	9.45	6.81	7.74	7.43	7.42	7.03	7.15	6.93
FL1		Sm³	12	10	11,189	13,547	13,005	13,901	13,037	13,821	14,657	14,967	12,475	14,582	12,727	13,122	13,708	14,174	13,304	14,195
TMP		℃	0	1	183.66	182.82	182.89	182.98	183.51	183.26	184.49	186.53	186.18	185.51	185.05	182.56	182.04	183.45	183.67	183.63
TM1		℃	0	1	1,053.51	1,062.88	1,025.45	1,049.85	1,032.22	1,044.81	1,058.91	1,083.97	1,015.73	1,047.85	1,025.49	1,053.78	1,071.22	1,077.64	1,062.35	1,064.45
TM3		℃	0	1	36.12	36.12	36.09	36.09	36.09	36.11	36.09	36.10	36.09	36.09	36.09	36.09	36.12	36.11	36.11	36.13

					12-30 16:00	12-30 16:30	12-30 17:00	12-30 17:30	12-30 18:00	12-30 18:30	12-30 19:00	12-30 19:30	12-30 20:00	12-30 20:30	12-30 21:00	12-30 21:30	12-30 22:00	12-30 22:30	12-30 23:00	12-30 23:30
TSP	20	mg/Sm³	12	1	0.84	0.71	0.67	0.62	0.65	0.67	0.62	0.71	0.87	0.70	0.65	0.66	0.64	0.64	0.68	0.62
SOx	30	ppm	12	1	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NOx	70	ppm	12	1	19.43	13.64	17.23	20.49	16.33	16.32	18.24	12.79	18.60	14.50	15.17	16.88	16.02	15.83	14.65	14.93
HCl	15	ppm	12	1	6.41	0.85	0.00	0.00	0.00	0.00	0.00	0.29	3.30	0.01	0.00	0.00	0.00	0.00	0.00	0.00
CO	50	ppm	12	1	0.82	1.20	0.57	0.84	0.44	0.39	0.37	0.67	1.18	0.81	0.60	0.35	0.38	0.42	0.55	4.66
O_2		%	0	0.1	10.18	8.16	7.44	6.16	6.97	7.18	6.07	7.83	9.90	7.67	6.84	6.91	6.45	6.44	7.24	6.06
FL1		Sm³	12	10	11,149	12,655	13,404	14,878	13,952	13,649	15,047	12,914	10,727	13,070	13,899	13,870	14,557	14,463	13,561	14,845
TMP		℃	0	1	183.69	183.30	183.18	184.73	185.29	185.13	185.22	184.91	184.55	183.92	182.60	182.56	184.07	184.46	184.22	184.45
TM1		℃	0	1	1,048.87	1,009.13	1,045.69	1,081.95	1,053.17	1,050.13	1,074.88	1,021.17	1,032.41	1,016.89	1,050.03	1,066.02	1,067.90	1,066.43	1,041.11	1,078.56
TM3		℃	0	1	36.13	36.13	36.10	36.09	36.09	36.06	36.06	36.06	36.07	36.09	36.10	36.09	36.09	36.09	36.10	36.09

12월 31일 굴뚝별 트랜드

					12-31 00:00	12-31 00:30	12-31 01:00	12-31 01:30	12-31 02:00	12-31 02:30	12-31 03:00	12-31 03:30	12-31 04:00	12-31 04:30	12-31 05:00	12-31 05:30	12-31 06:00	12-31 06:30	12-31 07:00	12-31 07:30
TSP	20	mg/Sm³	12	1	0.85	0.66	0.67	0.69	0.67	0.63	0.67	0.64	0.86	0.73	0.64	0.69	0.70	0.66	0.63	0.69
SOx	30	ppm	12	1	0.00	0.00	0.00	0.00	0.65	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.00
NOx	70	ppm	12	1	18.09	16.93	14.79	8.99	10.16	13.26	16.41	15.92	18.81	12.54	19.01	16.33	12.16	12.46	18.07	15.00
HCl	15	ppm	12	1	2.19	0.00	0.00	0.00	0.40	0.61	0.94	0.19	4.21	0.00	0.00	0.28	0.22	0.39	1.44	1.84
CO	50	ppm	12	1	0.58	0.56	0.58	0.78	2.91	0.40	0.43	0.37	0.52	0.92	0.56	0.43	0.76	0.53	0.33	0.47
O_2		%	0	0.1	9.77	7.10	7.12	7.55	7.02	6.19	6.88	6.32	9.57	8.10	6.21	7.38	7.63	6.83	6.16	7.12
FL1		Sm³	12	10	11,149	13,894	13,746	13,315	13,917	14,787	14,122	14,807	11,504	12,811	14,871	13,463	13,416	14,093	15,091	13,843
TMP		℃	0	1	184.52	184.58	184.82	184.59	184.41	184.22	184.58	185.03	185.10	184.64	184.51	184.71	184.37	183.93	184.60	185.13
TM1		℃	0	1	1,055.74	1,041.45	1,046.85	1,022.39	1,030.65	1,066.94	1,057.18	1,059.43	1,055.95	1,002.67	1,070.11	1,044.81	1,012.77	1,036.02	1,066.67	1,043.60
TM3		℃	0	1	36.09	36.09	36.11	36.10	36.09	36.09	36.09	36.11	36.09	36.09	36.09	36.09	36.09	36.09	36.09	36.09

					12-31 08:00	12-31 08:30	12-31 09:00	12-31 09:30	12-31 10:00	12-31 10:30	12-31 11:00	12-31 11:30	12-31 12:00	12-31 12:30	12-31 13:00	12-31 13:30	12-31 14:00	12-31 14:30	12-31 15:00	12-31 15:30
TSP	20	mg/Sm³	12	1	0.86	0.73	0.68	0.66	0.64	0.65	0.65	0.65	0.79	0.64	0.65	0.67	0.69	0.66	0.62	0.62
SOx	30	ppm	12	1	0.00	0.00	0.23	0.15	0.69	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.02	1.38	0.00	0.00
NOx	70	ppm	12	1	22.45	11.23	20.20	20.65	18.28	18.78	16.99	16.32	29.25	24.14	18.89	13.50	15.04	21.30	21.28	21.93
HCl	15	ppm	12	1	5.64	0.00	0.00	0.00	0.00	0.00	0.00	0.30	3.23	0.22	0.04	0.74	1.42	2.21	2.08	1.38
CO	50	ppm	12	1	0.51	0.76	0.35	0.31	14.90	0.31	0.48	0.43	0.39	0.36	0.30	0.38	0.46	0.46	0.27	0.22
O_2		%	0	0.1	9.66	8.03	7.04	6.96	6.15	6.75	7.14	7.05	8.58	6.85	6.78	7.47	7.82	7.00	6.58	6.54
FL1		Sm³	12	10	11,534	12,848	14,068	13,975	14,979	14,378	13,652	13,421	12,371	14,002	13,907	12,895	13,105	14,685	14,143	14,250
TMP		℃	0	1	184.37	184.15	184.11	184.48	184.83	184.80	184.01	183.45	183.76	184.41	184.95	184.46	184.00	185.67	185.63	185.34
TM1		℃	0	1	1,051.57	1,014.68	1,060.79	1,061.02	1,082.73	1,077.27	1,051.95	1,055.75	1,109.07	1,066.15	1,066.81	1,048.51	1,050.89	1,065.99	1,064.56	1,081.25
TM3		℃	0	1	36.09	36.09	36.09	36.09	36.09	36.05	36.05	36.07	36.10	36.10	36.13	36.10	36.09	36.10	36.09	36.10

					12-31 16:00	12-31 16:30	12-31 17:00	12-31 17:30	12-31 18:00	12-31 18:30	12-31 19:00	12-31 19:30	12-31 20:00	12-31 20:30	12-31 21:00	12-31 21:30	12-31 22:00	12-31 22:30	12-31 23:00	12-31 23:30
TSP	20	mg/Sm³	12	1	0.80	0.68	0.66	0.63	0.68	0.66	0.64	0.70	0.77	0.66	0.63	0.62	0.63	0.60	0.64	0.65
SOx	30	ppm	12	1	0.00	1.75	0.00	0.33	0.05	0.00	0.00	0.17	1.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NOx	70	ppm	12	1	21.12	13.85	14.43	16.86	15.65	12.60	17.82	11.33	23.15	10.25	14.89	15.09	11.65	13.52	13.25	14.75
HCl	15	ppm	12	1	5.31	0.99	0.15	0.28	0.63	0.00	0.00	0.00	1.40	0.25	0.00	0.00	0.00	0.00	0.00	0.00
CO	50	ppm	12	1	0.48	8.16	0.66	0.53	0.42	0.49	0.42	0.80	0.52	0.65	0.45	0.38	0.47	0.22	0.32	0.27
O_2		%	0	0.1	9.57	7.29	7.54	6.93	7.58	7.32	6.98	8.12	9.01	7.57	7.00	6.64	6.84	6.26	7.05	7.24
FL1		Sm³	12	10	11,615	13,298	13,056	14,135	13,452	13,524	13,948	12,570	12,159	13,237	14,036	14,445	13,655	13,943	13,331	13,229
TMP		℃	0	1	185.46	185.79	184.55	183.28	185.49	185.94	185.13	184.68	183.87	183.62	183.92	184.18	184.44	183.49	183.38	183.30
TM1		℃	0	1	1,055.57	1,054.67	1,026.43	1,050.39	1,049.76	1,043.01	1,060.19	1,016.97	1,088.82	1,027.87	1,053.07	1,065.05	1,042.39	1,080.51	1,068.34	1,058.68
TM3		℃	0	1	36.12	36.13	36.14	36.24	36.27	36.34	36.36	36.36	36.36	36.36	36.36	36.36	36.36	36.36	36.36	36.36

1월 1일 굴뚝별 트랜드

					01-01 00:00	01-01 00:30	01-01 01:00	01-01 01:30	01-01 02:00	01-01 02:30	01-01 03:00	01-01 03:30	01-01 04:00	01-01 04:30	01-01 05:00	01-01 05:30	01-01 06:00	01-01 06:30	01-01 07:00	01-01 07:30
TSP	20	mg/Sm³	12	1	0.84	0.71	0.66	0.65	0.65	0.65	0.63	0.66	0.89	0.64	0.63	0.71	0.63	0.65	0.64	0.63
SOx	30	ppm	12	1	0.00	0.07	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61	0.37	0.00	0.00	0.00	0.00
NOx	70	ppm	12	1	13.79	14.44	17.39	11.20	10.80	10.77	15.32	11.96	17.93	14.86	19.73	10.17	21.46	15.68	12.34	14.67
HCl	15	ppm	12	1	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CO	50	ppm	12	1	0.72	0.85	0.54	0.50	0.54	0.46	0.20	0.59	0.45	0.35	0.15	0.78	0.18	0.43	0.54	0.46
O_2		%	0	0.1	10.50	8.17	7.23	6.94	6.99	7.10	6.70	7.34	10.50	6.71	6.48	8.03	6.42	7.04	6.76	6.54
FL1		Sm³	12	10	10,891	12,585	13,989	13,915	13,995	13,274	13,627	13,294	10,177	13,795	13,985	12,478	14,429	13,712	14,144	14,456
TMP		℃	0	1	183.00	181.88	183.00	184.02	184.51	184.32	183.90	183.87	183.65	183.46	183.45	183.15	182.91	183.82	184.26	184.79
TM1		℃	0	1	1,014.81	1,039.07	1,051.24	1,035.18	1,029.75	1,037.97	1,080.13	1,034.51	1,047.13	1,056.39	1,098.88	1,031.15	1,093.93	1,060.09	1,038.58	1,051.99
TM3		℃	0	1	36.36	36.36	36.36	36.36	36.36	36.36	36.36	36.36	36.36	36.36	36.36	36.36	36.36	36.36	36.36	36.36

					01-01 08:00	01-01 08:30	01-01 09:00	01-01 09:30	01-01 10:00	01-01 10:30	01-01 11:00	01-01 11:30	01-01 12:00	01-01 12:30	01-01 13:00	01-01 13:30	01-01 14:00	01-01 14:30	01-01 15:00	01-01 15:30
TSP	20	mg/Sm³	12	1	0.86	0.70	0.71	0.69	0.74	0.68	0.65	0.64	0.80	0.66	0.64	0.68	0.62	0.64	0.67	0.66
SOx	30	ppm	12	1	0.00	0.00	0.00	0.00	0.00	0.00	0.78	0.21	0.21	0.00	0.13	0.00	0.12	0.00	0.00	0.00
NOx	70	ppm	12	1	19.59	7.81	12.64	14.74	13.00	12.99	16.97	13.14	24.94	16.86	17.74	13.04	19.35	13.94	11.96	14.84
HCl	15	ppm	12	1	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.63	0.00	0.00	0.00	0.00	0.00	0.09	0.00
CO	50	ppm	12	1	0.51	0.84	0.87	0.48	0.83	0.62	0.68	3.00	7.38	0.51	0.54	0.91	0.93	0.48	0.76	0.55
O_2		%	0	0.1	10.08	7.90	8.21	7.91	8.57	7.69	7.03	6.76	8.99	7.09	6.66	7.72	6.38	6.83	7.41	7.57
FL1		Sm³	12	10	10,707	12,586	13,379	14,310	13,341	13,349	14,243	14,376	12,520	14,210	14,530	13,627	15,155	14,568	13,738	13,744
TMP		℃	0	1	184.80	183.47	181.81	184.00	186.46	185.78	184.01	184.54	185.73	185.85	185.75	185.18	185.80	186.27	185.29	185.24
TM1		℃	0	1	1,038.49	998.93	1,006.68	1,030.97	1,012.61	1,028.01	1,063.50	1,052.09	1,079.93	1,046.69	1,073.97	1,032.17	1,075.37	1,050.72	1,034.95	1,035.73
TM3		℃	0	1	36.36	36.36	36.36	36.36	36.36	36.36	36.36	36.36	36.36	36.36	36.36	36.36	36.36	36.36	36.36	36.36

					01-01 16:00	01-01 16:30	01-01 17:00	01-01 17:30	01-01 18:00	01-01 18:30	01-01 19:00	01-01 19:30	01-01 20:00	01-01 20:30	01-01 21:00	01-01 21:30	01-01 22:00	01-01 22:30	01-01 23:00	01-01 23:30
TSP	20	mg/Sm³	12	1	0.84	0.67	0.63	0.68	0.65	0.65	0.70	0.69	0.82	0.72	0.71	0.62	0.71	0.67	0.61	0.70
SOx	30	ppm	12	1	0.00	0.07	1.24	0.00	2.85	0.44	0.00	0.00	2.43	1.75	0.29	0.31	0.69	0.00	11.97	2.10
NOx	70	ppm	12	1	13.42	14.87	19.41	16.57	17.47	19.29	15.17	12.23	20.25	12.63	15.18	19.00	12.00	11.69	22.63	16.63
HCl	15	ppm	12	1	1.31	0.00	0.00	0.00	0.37	0.32	0.48	0.11	3.55	3.85	1.45	0.00	1.11	0.85	3.00	6.79
CO	50	ppm	12	1	0.97	0.77	0.30	0.51	0.57	0.50	0.60	0.77	0.59	0.67	0.75	0.33	0.99	0.60	0.20	0.46
O_2		%	0	0.1	10.23	7.52	6.57	7.75	7.06	7.12	8.20	7.87	9.40	8.53	8.21	6.57	8.35	7.55	6.21	7.99
FL1		Sm³	12	10	11,430	13,701	14,653	13,356	13,950	14,088	12,943	13,157	11,420	12,200	12,628	14,411	12,566	13,333	14,836	12,804
TMP		℃	0	1	185.82	185.49	185.46	185.48	185.26	185.11	185.35	185.09	183.76	184.00	183.95	183.97	184.52	184.33	184.94	185.50
TM1		℃	0	1	1,012.00	1,031.68	1,079.77	1,044.94	1,083.47	1,070.57	1,032.20	1,018.85	1,086.85	1,029.92	1,036.33	1,077.78	1,017.59	1,040.83	1,104.54	1,064.65
TM3		℃	0	1	36.36	36.36	36.36	36.36	36.36	36.36	36.36	36.36	36.36	36.36	36.36	36.36	36.36	36.36	36.36	36.36