12월 2일 굴뚝별 트랜드

					12-02 00:00	12-02 00:30	12-02 01:00	12-02 01:30	12-02 02:00	12-02 02:30	12-02 03:00	12-02 03:30	12-02 04:00	12-02 04:30	12-02 05:00	12-02 05:30	12-02 06:00	12-02 06:30	12-02 07:00	12-02 07:30
TSP	20	mg/Sm³	12	1	0.47	0.35	0.38	0.39	0.37	0.35	0.36	0.38	0.46	0.34	0.40	0.37	0.34	0.37	0.35	0.38
SOx	30	ppm	12	1	0.19	13.63	0.18	0.00	0.00	0.14	0.09	0.00	0.33	1.77	0.68	0.00	1.08	0.13	0.00	0.01
NOx	70	ppm	12	1	25.18	23.69	27.43	23.72	19.74	20.64	25.20	20.27	24.81	20.40	17.63	18.95	23.02	20.19	24.73	20.94
HCl	15	ppm	12	1	6.83	6.71	3.19	3.36	4.10	4.55	2.71	1.35	1.30	1.14	3.28	0.36	0.47	2.29	0.84	1.86
CO	50	ppm	12	1	0.90	8.05	0.59	0.87	0.76	0.43	0.33	0.55	0.91	0.30	0.86	0.63	0.41	0.48	0.40	0.53
O_2		%	0	0.1	10.36	6.08	7.22	7.95	7.32	6.57	6.88	7.48	10.00	5.91	8.11	7.14	5.80	7.27	5.96	7.22
FL1		Sm³	12	10	12,566	16,211	14,892	14,166	14,980	15,582	14,937	13,875	13,095	17,266	14,536	15,203	16,727	14,802	16,366	14,810
TMP		℃	0	1	182.48	182.58	183.28	182.69	182.11	182.53	182.89	181.23	179.30	181.94	183.76	182.31	181.77	182.94	182.85	182.69
TM1		℃	0	1	999.19	1,081.65	1,044.63	993.18	1,013.89	1,045.29	1,059.93	1,020.00	1,006.55	1,064.85	973.83	1,004.41	1,071.95	1,031.41	1,067.19	1,036.03
TM3		℃	0	1	36.25	36.25	36.25	36.25	36.25	36.25	36.25	36.25	36.25	36.25	36.25	36.25	36.25	36.25	36.25	36.25

					12-02 08:00	12-02 08:30	12-02 09:00	12-02 09:30	12-02 10:00	12-02 10:30	12-02 11:00	12-02 11:30	12-02 12:00	12-02 12:30	12-02 13:00	12-02 13:30	12-02 14:00	12-02 14:30	12-02 15:00	12-02 15:30
TSP	20	mg/Sm³	12	1	0.47	0.38	0.34	0.40	0.40	0.42	0.33	0.34	0.45	0.34	0.40	0.35	0.33	0.37	0.33	0.34
SOx	30	ppm	12	1	0.00	0.00	7.57	0.37	7.16	0.00	0.00	0.00	0.09	1.51	0.02	0.00	0.18	0.00	0.03	0.07
NOx	70	ppm	12	1	36.34	23.00	34.74	25.17	17.67	18.75	21.62	19.94	40.26	31.54	20.44	21.78	20.42	17.29	22.85	19.18
HCl	15	ppm	12	1	1.85	1.51	2.92	9.67	21.07	5.56	1.31	3.87	5.30	3.20	2.87	1.29	1.40	2.89	1.30	2.33
CO	50	ppm	12	1	0.31	0.44	0.24	0.93	1.06	1.32	0.30	0.42	0.71	0.23	5.15	0.52	0.93	0.82	0.43	0.56
O_2		%	0	0.1	9.77	7.66	6.19	8.42	8.37	9.18	5.96	6.49	9.69	6.59	8.63	7.26	6.40	8.00	6.29	6.78
FL1		Sm³	12	10	12,137	14,110	15,763	13,515	13,086	12,285	16,577	15,740	12,034	15,295	12,976	15,062	16,147	13,934	15,833	14,867
TMP		℃	0	1	183.20	183.05	182.57	181.97	181.62	179.20	180.23	183.31	183.90	183.58	182.66	182.78	184.16	184.14	183.11	182.51
TM1		℃	0	1	1,078.73	1,039.59	1,093.71	1,004.99	983.07	937.53	1,066.97	1,051.91	1,067.44	1,084.33	1,001.25	1,024.71	1,034.48	977.64	1,048.35	1,038.01
TM3		℃	0	1	36.25	36.25	36.25	36.25	36.25	36.25	36.26	36.28	36.28	36.28	36.28	36.28	36.28	36.28	36.28	36.28

					12-02 16:00	12-02 16:30	12-02 17:00	12-02 17:30	12-02 18:00	12-02 18:30	12-02 19:00	12-02 19:30	12-02 20:00	12-02 20:30	12-02 21:00	12-02 21:30	12-02 22:00	12-02 22:30	12-02 23:00	12-02 23:30
TSP	20	mg/Sm³	12	1	0.44	0.38	0.33	0.38	0.34	0.36	0.38	0.31	0.44	0.33	0.37	0.36	0.36	0.36	0.36	0.39
SOx	30	ppm	12	1	0.01	0.00	1.39	0.23	1.03	0.55	0.18	1.91	0.49	2.47	5.82	2.61	9.79	1.50	0.00	0.00
NOx	70	ppm	12	1	25.25	22.05	21.90	17.38	20.21	17.68	21.80	16.47	28.14	26.34	23.20	21.65	25.40	33.51	31.67	19.22
HCl	15	ppm	12	1	2.62	1.74	2.15	3.33	4.30	4.50	1.90	1.38	1.84	2.91	8.89	7.39	12.32	7.72	7.33	3.50
CO	50	ppm	12	1	0.67	1.08	0.30	1.15	0.63	0.56	1.01	1.14	0.35	0.23	0.63	0.41	0.95	0.25	0.25	0.76
O_2		%	0	0.1	9.98	8.28	6.49	8.40	6.53	7.35	8.00	5.09	8.52	5.87	7.36	7.18	6.83	7.06	7.00	8.01
FL1		Sm³	12	10	11,989	13,314	15,163	13,310	15,408	14,124	14,019	17,023	12,730	15,907	14,611	14,571	14,538	15,105	14,273	13,392
TMP		℃	0	1	182.46	182.51	182.37	182.71	181.89	181.22	180.11	181.73	182.30	181.30	180.77	181.43	181.07	181.96	181.78	181.09
TM1		℃	0	1	1,034.68	979.59	1,075.54	976.77	1,034.35	1,037.24	995.73	1,103.04	1,101.39	1,088.99	1,033.64	1,040.43	1,074.16	1,064.02	1,078.29	1,015.59
TM3		℃	0	1	36.28	36.28	36.28	36.28	36.28	36.28	36.28	36.28	36.28	36.28	36.28	36.28	36.28	36.28	36.28	36.28

12월 3일 굴뚝별 트랜드

					12-03 00:00	12-03 00:30	12-03 01:00	12-03 01:30	12-03 02:00	12-03 02:30	12-03 03:00	12-03 03:30	12-03 04:00	12-03 04:30	12-03 05:00	12-03 05:30	12-03 06:00	12-03 06:30	12-03 07:00	12-03 07:30
TSP	20	mg/Sm³	12	1	0.44	0.38	0.36	0.36	0.39	0.33	0.36	0.36	0.46	0.36	0.36	0.32	0.38	0.37	0.38	0.38
SOx	30	ppm	12	1	0.00	0.00	0.00	3.71	3.51	0.11	0.00	0.02	0.38	0.00	0.00	6.28	0.00	0.43	0.00	0.00
NOx	70	ppm	12	1	35.72	23.40	25.83	35.71	22.80	42.56	36.54	25.19	40.09	21.16	27.21	23.11	24.10	22.13	27.64	28.21
HCl	15	ppm	12	1	1.91	1.89	2.49	4.83	7.02	0.52	1.96	2.63	1.70	1.01	1.88	6.22	3.60	3.00	2.47	5.80
CO	50	ppm	12	1	0.38	0.64	0.46	0.37	0.67	0.20	0.16	0.39	0.40	0.41	0.29	18.25	0.44	9.58	0.54	0.54
O_2		%	0	0.1	9.20	7.80	7.27	6.86	8.03	5.83	7.25	7.27	10.13	7.35	7.19	5.56	7.65	7.00	7.85	7.78
FL1		Sm³	12	10	12,169	13,892	14,677	15,115	14,107	16,714	14,848	13,921	11,540	13,799	14,022	16,015	13,718	14,526	14,165	14,334
TMP		℃	0	1	179.60	180.60	181.41	182.40	182.41	181.21	181.22	180.25	179.71	179.57	179.47	180.71	181.60	181.39	181.45	181.79
TM1		℃	0	1	1,073.42	991.99	1,031.19	1,076.33	1,019.55	1,096.28	1,072.81	1,051.95	1,051.30	1,037.81	1,061.33	1,101.52	1,050.24	1,073.18	1,040.23	1,018.47
TM3		℃	0	1	36.27	36.27	36.26	36.26	36.26	36.25	36.25	36.25	36.25	36.25	36.25	36.25	36.25	36.25	36.25	36.25

					12-03 08:00	12-03 08:30	12-03 09:00	12-03 09:30	12-03 10:00	12-03 10:30	12-03 11:00	12-03 11:30	12-03 12:00	12-03 12:30	12-03 13:00	12-03 13:30	12-03 14:00	12-03 14:30	12-03 15:00	12-03 15:30
TSP	20	mg/Sm³	12	1	0.47	0.42	0.39	0.34	0.37	0.37	0.39	0.35	0.44	0.38	0.35	0.33	0.33	0.33	0.31	0.32
SOx	30	ppm	12	1	0.13	0.00	0.01	1.66	0.00	0.00	0.00	0.00	1.11	0.00	0.93	0.00	0.01	0.00	0.00	0.00
NOx	70	ppm	12	1	36.74	20.05	29.37	20.81	20.58	23.07	21.14	27.96	35.73	21.78	18.94	21.77	17.13	18.07	19.27	19.03
HCl	15	ppm	12	1	4.12	3.22	2.45	7.25	5.90	3.72	2.93	2.30	4.28	6.82	6.77	3.15	4.05	2.44	3.52	4.36
CO	50	ppm	12	1	0.49	1.19	0.94	0.22	0.30	0.22	0.47	0.20	0.27	0.82	0.65	0.69	0.72	0.60	0.41	0.53
O_2		%	0	0.1	9.79	8.94	8.13	6.39	7.34	7.46	8.71	7.23	10.25	8.55	7.36	6.96	7.12	7.08	6.16	6.51
FL1		Sm³	12	10	12,400	12,855	14,165	15,608	14,363	13,998	12,638	14,304	11,916	13,302	14,562	15,167	14,833	15,070	16,129	15,634
TMP		℃	0	1	182.54	182.37	180.74	181.30	182.69	182.32	181.88	182.13	182.55	182.44	182.80	183.20	183.59	184.05	184.45	184.88
TM1		℃	0	1	1,061.00	948.33	1,002.87	1,079.91	1,047.86	1,061.43	1,019.49	1,075.59	1,069.67	981.23	1,012.20	1,020.92	1,014.05	1,007.47	1,044.18	1,042.61
TM3		℃	0	1	36.25	36.25	36.25	36.25	36.25	36.26	36.28	36.28	36.28	36.28	36.28	36.28	36.28	36.26	36.26	36.26

					12-03 16:00	12-03 16:30	12-03 17:00	12-03 17:30	12-03 18:00	12-03 18:30	12-03 19:00	12-03 19:30	12-03 20:00	12-03 20:30	12-03 21:00	12-03 21:30	12-03 22:00	12-03 22:30	12-03 23:00	12-03 23:30
TSP	20	mg/Sm³	12	1	0.42	0.37	0.36	0.32	0.34	0.35	0.35	0.35	0.46	0.37	0.36	0.40	0.36	0.36	0.37	0.37
SOx	30	ppm	12	1	0.00	0.00	0.00	2.59	1.28	0.03	0.24	0.00	0.00	0.00	1.10	0.00	1.20	1.11	0.20	0.03
NOx	70	ppm	12	1	25.86	17.03	16.25	17.01	17.16	19.46	19.50	24.02	28.97	20.69	25.03	17.26	24.86	24.37	23.28	22.54
HCl	15	ppm	12	1	4.92	2.99	2.47	7.36	7.84	5.21	6.36	4.36	4.16	1.58	6.33	6.56	4.61	7.11	3.71	5.43
CO	50	ppm	12	1	0.79	0.96	0.81	0.38	0.30	0.28	0.23	0.26	0.25	0.22	0.26	0.51	0.20	0.22	0.31	0.30
O_2		%	0	0.1	9.89	8.29	8.07	6.50	7.07	7.50	7.38	7.10	10.52	7.69	7.51	8.64	7.27	7.44	8.06	8.14
FL1		Sm³	12	10	12,123	13,340	13,773	15,393	14,478	13,967	14,030	14,609	11,027	13,592	13,784	12,478	14,125	13,736	13,110	12,866
TMP		℃	0	1	184.83	184.08	182.76	181.98	182.59	182.34	182.63	183.15	182.71	181.52	180.90	181.73	181.84	182.08	181.73	181.16
TM1		℃	0	1	1,037.37	978.67	974.97	1,047.58	1,047.67	1,050.29	1,059.89	1,068.59	1,052.08	1,041.77	1,054.94	1,009.43	1,059.37	1,058.27	1,032.14	1,042.81
TM3		℃	0	1	36.28	36.28	36.28	36.28	36.28	36.28	36.27	36.27	36.26	36.26	36.25	36.25	36.25	36.26	36.26	36.28

12월 4일 굴뚝별 트랜드

					12-04 00:00	12-04 00:30	12-04 01:00	12-04 01:30	12-04 02:00	12-04 02:30	12-04 03:00	12-04 03:30	12-04 04:00	12-04 04:30	12-04 05:00	12-04 05:30	12-04 06:00	12-04 06:30	12-04 07:00	12-04 07:30
TSP	20	mg/Sm³	12	1	0.45	0.38	0.34	0.36	0.36	0.37	0.39	0.35	0.45	0.36	0.41	0.33	0.37	0.36	0.35	0.35
SOx	30	ppm	12	1	2.01	0.00	0.00	0.00	0.00	0.00	0.00	0.78	0.25	0.00	0.00	0.00	0.73	0.03	0.00	0.26
NOx	70	ppm	12	1	34.07	20.77	22.03	18.86	18.33	17.68	15.22	20.63	27.93	24.00	13.96	23.05	20.98	21.85	20.59	21.17
HCl	15	ppm	12	1	9.15	3.49	1.59	2.89	2.26	3.08	2.76	8.78	10.14	4.49	5.59	1.84	4.74	3.57	3.82	2.80
CO	50	ppm	12	1	0.27	0.53	0.27	0.38	0.34	0.37	0.62	0.26	0.39	0.34	0.85	0.22	0.43	0.29	0.18	0.29
O_2		%	0	0.1	10.42	8.46	7.19	7.83	7.94	7.95	8.67	7.45	10.30	7.58	9.12	6.39	7.92	7.54	7.44	7.51
FL1		Sm³	12	10	10,971	12,665	14,209	13,294	13,219	13,050	12,485	13,756	11,135	13,629	11,789	14,806	13,078	13,565	13,469	13,820
TMP		℃	0	1	181.23	181.01	179.95	181.06	181.75	181.50	181.40	181.04	181.88	181.63	181.41	180.52	181.25	181.47	181.30	181.94
TM1		℃	0	1	1,057.41	1,012.25	1,051.13	1,034.83	1,028.39	1,035.18	990.43	1,047.88	1,058.79	1,060.86	982.44	1,086.17	1,034.55	1,051.99	1,071.42	1,064.81
TM3		℃	0	1	36.26	36.27	36.26	36.27	36.28	36.27	36.27	36.26	36.26	36.27	36.26	36.26	36.27	36.27	36.28	36.28

					12-04 08:00	12-04 08:30	12-04 09:00	12-04 09:30	12-04 10:00	12-04 10:30	12-04 11:00	12-04 11:30	12-04 12:00	12-04 12:30	12-04 13:00	12-04 13:30	12-04 14:00	12-04 14:30	12-04 15:00	12-04 15:30
TSP	20	mg/Sm³	12	1	0.46	0.35	0.36	0.34	0.37	0.35	0.38	0.36	0.44	0.35	0.36	0.40	0.37	0.36	0.37	0.33
SOx	30	ppm	12	1	0.00	0.00	0.00	0.36	0.00	0.00	0.00	0.00	0.00	0.05	0.41	0.00	0.00	0.00	0.01	0.14
NOx	70	ppm	12	1	19.34	21.94	19.98	18.91	14.85	14.71	11.98	12.83	15.19	14.59	16.59	17.54	15.49	15.68	16.34	25.09
HCl	15	ppm	12	1	2.81	0.82	2.86	4.62	3.22	4.03	7.44	2.89	3.11	4.57	9.75	6.16	3.37	3.46	5.06	0.96
CO	50	ppm	12	1	0.98	0.69	0.66	0.50	1.06	0.77	0.90	0.59	0.54	0.31	0.55	0.83	0.66	0.28	0.34	0.08
O_2		%	0	0.1	11.13	7.31	7.66	6.83	8.38	7.62	8.47	8.01	10.27	7.03	7.78	8.87	8.17	7.33	7.71	6.06
FL1		Sm³	12	10	11,087	14,298	13,904	14,864	13,504	15,186	13,836	14,458	12,656	15,913	14,683	13,477	14,516	15,414	14,804	15,230
TMP		℃	0	1	182.45	182.64	183.31	183.44	183.27	184.29	185.89	185.53	186.19	187.12	187.78	187.14	186.28	186.74	186.45	185.33
TM1		℃	0	1	987.05	1,022.55	1,005.93	1,045.54	954.40	971.95	947.57	983.23	998.49	1,005.75	1,000.20	967.61	974.11	1,011.16	1,011.57	1,082.10
TM3		℃	0	1	36.28	36.28	36.28	36.28	36.28	36.27	36.25	36.25	36.25	36.25	36.25	36.25	36.25	36.26	36.26	36.25

					12-04 16:00	12-04 16:30	12-04 17:00	12-04 17:30	12-04 18:00	12-04 18:30	12-04 19:00	12-04 19:30	12-04 20:00	12-04 20:30	12-04 21:00	12-04 21:30	12-04 22:00	12-04 22:30	12-04 23:00	12-04 23:30
TSP	20	mg/Sm³	12	1	0.42	0.37	0.35	0.39	0.32	0.34	0.34	0.39	0.47	0.37	0.36	0.39	0.35	0.42	0.38	0.37
SOx	30	ppm	12	1	0.00	0.00	0.00	0.00	0.00	0.87	0.76	0.00	1.55	0.00	3.32	0.00	1.94	0.00	0.00	0.17
NOx	70	ppm	12	1	37.46	23.60	22.78	20.35	21.48	24.95	24.74	17.36	26.85	20.14	19.70	18.98	18.61	18.90	20.74	18.50
HCl	15	ppm	12	1	2.73	0.10	0.42	0.45	0.09	0.64	1.80	1.55	1.44	2.09	3.84	4.52	3.46	4.89	1.09	1.79
CO	50	ppm	12	1	0.11	0.46	0.70	1.06	0.21	0.27	0.21	0.61	0.53	0.35	6.69	0.46	0.27	0.66	0.32	0.32
O_2		%	0	0.1	9.36	7.92	7.29	8.63	6.25	6.95	7.00	8.40	10.43	7.31	7.34	8.45	6.99	9.00	7.70	7.49
FL1		Sm³	12	10	12,570	13,719	14,403	12,761	15,327	14,716	14,652	12,998	11,285	14,121	14,065	13,055	15,281	12,925	14,554	14,630
TMP		℃	0	1	183.51	182.29	181.99	181.25	179.32	181.52	182.81	182.44	181.40	181.74	181.97	180.79	180.89	182.36	181.48	181.34
TM1		℃	0	1	1,105.71	1,025.15	1,030.99	963.55	1,077.55	1,063.15	1,065.09	994.94	1,040.94	1,040.05	1,042.37	1,000.03	1,055.13	992.15	1,034.59	1,034.21
TM3		℃	0	1	36.25	36.26	36.27	36.27	36.28	36.28	36.28	36.28	36.28	36.28	36.28	36.28	36.28	36.28	36.28	36.28