12월 6일 굴뚝별 트랜드

					12-06 00:00	12-06 00:30	12-06 01:00	12-06 01:30	12-06 02:00	12-06 02:30	12-06 03:00	12-06 03:30	12-06 04:00	12-06 04:30	12-06 05:00	12-06 05:30	12-06 06:00	12-06 06:30	12-06 07:00	12-06 07:30
TSP	20	mg/Sm³	12	1	0.81	0.67	0.66	0.64	0.61	0.69	0.66	0.63	0.80	0.59	0.72	0.68	0.57	0.61	0.60	0.55
SOx	30	ppm	12	1	0.00	0.00	0.70	0.32	3.76	0.00	0.19	0.00	0.00	9.77	0.00	0.08	2.36	0.00	0.00	0.08
NOx	70	ppm	12	1	13.67	11.08	11.50	14.59	15.55	14.67	15.78	14.42	17.68	18.24	13.03	18.20	17.46	16.40	19.44	17.45
HCl	15	ppm	12	1	3.34	0.18	0.58	0.53	0.90	3.46	1.93	1.81	2.96	3.50	5.12	3.98	3.33	2.05	0.71	0.18
CO	50	ppm	12	1	0.78	0.92	0.69	0.50	0.40	0.63	0.58	0.61	0.65	11.13	0.92	0.83	0.51	0.56	0.49	18.50
O_2		%	0	0.1	10.05	8.06	8.11	7.62	6.75	8.36	7.86	7.43	10.03	5.93	8.88	8.20	5.86	6.90	7.03	5.68
FL1		Sm³	12	10	11,754	13,364	13,138	13,826	14,975	13,115	13,725	14,096	11,882	15,886	12,527	13,273	14,829	13,328	13,313	14,264
TMP		℃	0	1	184.75	185.88	185.61	185.18	186.05	186.32	186.24	185.58	185.74	186.62	186.13	185.06	184.65	183.09	182.41	182.29
TM1		℃	0	1	1,004.09	965.63	988.81	1,018.05	1,043.25	994.15	1,003.18	1,001.82	1,003.69	1,080.69	974.19	987.91	1,078.47	1,049.07	1,043.84	1,091.81
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

					12-06 08:00	12-06 08:30	12-06 09:00	12-06 09:30	12-06 10:00	12-06 10:30	12-06 11:00	12-06 11:30	12-06 12:00	12-06 12:30	12-06 13:00	12-06 13:30	12-06 14:00	12-06 14:30	12-06 15:00	12-06 15:30
TSP	20	mg/Sm³	12	1	0.77	0.53	0.49	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	6.81	0.43	0.43	0.48	0.56
SOx	30	ppm	12	1	0.00	0.00	0.16	0.24	0.27	40.10	0.08	0.00	0.06	0.02	0.01	0.00	0.00	0.02	0.00	0.00
NOx	70	ppm	12	1	18.88	16.01	10.78	0.50	0.51	87.42	0.58	0.24	0.20	0.23	0.41	0.24	36.72	41.93	31.03	19.77
HCl	15	ppm	12	1	0.75	0.00	0.30	0.11	3.53	15.82	0.02	0.00	0.23	0.35	0.04	0.00	3.49	4.43	3.72	2.07
CO	50	ppm	12	1	6.47	0.83	0.13	0.01	0.01	113.19	0.14	0.00	0.00	0.00	0.00	0.00	0.83	19.98	1.07	0.55
O_2		%	0	0.1	10.10	5.14	13.46	21.02	10.17	0.69	21.10	21.13	21.13	20.97	20.90	20.89	8.15	7.11	7.43	6.81
FL1		Sm³	12	10	10,476	15,170	15,639	15,814	16,106	16,425	16,346	16,885	16,846	16,553	16,829	16,924	17,120	16,845	15,455	13,173
TMP		℃	0	1	181.88	182.09	182.44	181.81	180.59	181.19	182.50	182.67	183.48	183.67	183.27	183.57	182.11	182.49	182.68	183.28
TM1		℃	0	1	1,039.01	1,115.56	1,111.53	1,049.12	1,034.61	1,010.34	1,040.95	992.04	1,016.88	966.71	1,012.96	1,034.29	1,030.59	1,018.48	998.95	1,035.39
TM3		℃	0	1	36.36	36.36	36.36	36.36	36.28	36.29	36.32	36.32	36.32	36.32	36.32	36.32	36.32	36.32	36.30	36.28

					12-06 16:00	12-06 16:30	12-06 17:00	12-06 17:30	12-06 18:00	12-06 18:30	12-06 19:00	12-06 19:30	12-06 20:00	12-06 20:30	12-06 21:00	12-06 21:30	12-06 22:00	12-06 22:30	12-06 23:00	12-06 23:30
TSP	20	mg/Sm³	12	1	0.73	0.61	0.60	0.57	0.57	0.57	0.59	0.60	0.69	0.62	0.56	0.58	0.58	0.56	0.57	0.55
SOx	30	ppm	12	1	0.00	0.00	0.32	2.14	0.00	0.00	0.00	0.00	1.41	4.02	0.39	0.00	0.00	0.00	0.00	0.00
NOx	70	ppm	12	1	19.92	14.36	16.23	21.52	19.15	23.14	21.47	19.44	28.99	20.42	21.72	22.34	22.24	24.11	22.15	23.66
HCl	15	ppm	12	1	2.46	0.98	0.89	2.16	2.55	2.27	2.70	2.25	2.60	9.21	5.41	5.54	2.90	1.45	0.94	0.53
CO	50	ppm	12	1	0.64	1.39	9.23	22.66	0.90	0.56	0.67	0.79	0.93	0.88	0.72	0.51	0.40	0.32	0.66	0.63
O_2		%	0	0.1	10.50	8.07	7.74	6.87	7.08	6.98	7.56	7.74	8.71	8.02	6.58	6.97	6.92	6.47	6.53	6.07
FL1		Sm³	12	10	9,956	11,738	12,161	14,413	14,202	14,150	13,375	13,404	12,821	13,138	14,809	14,052	13,897	14,517	14,669	15,298
TMP		℃	0	1	182.44	181.81	181.53	182.75	184.26	184.42	184.01	183.90	184.01	184.60	185.28	185.53	185.18	185.15	185.56	186.01
TM1		℃	0	1	1,020.40	1,009.35	995.08	1,030.88	1,023.07	1,035.51	1,024.25	1,017.56	1,050.50	1,007.89	1,036.96	1,048.10	1,052.69	1,062.83	1,039.37	1,035.69
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 7일 굴뚝별 트랜드

					12-07 00:00	12-07 00:30	12-07 01:00	12-07 01:30	12-07 02:00	12-07 02:30	12-07 03:00	12-07 03:30	12-07 04:00	12-07 04:30	12-07 05:00	12-07 05:30	12-07 06:00	12-07 06:30	12-07 07:00	12-07 07:30
TSP	20	mg/Sm³	12	1	0.73	0.59	0.55	0.58	0.56	0.59	0.54	0.53	0.73	0.56	0.59	0.64	0.61	0.65	0.63	0.60
SOx	30	ppm	12	1	0.00	0.00	0.00	0.00	0.41	0.08	0.00	0.25	0.00	0.00	0.00	0.00	0.46	0.00	0.00	0.00
NOx	70	ppm	12	1	27.86	15.67	21.20	19.71	22.34	14.43	18.82	17.65	28.55	19.34	13.64	17.00	17.67	19.79	18.85	14.87
HCl	15	ppm	12	1	2.03	0.01	0.00	0.05	0.01	0.95	0.39	0.66	3.82	0.41	0.33	0.87	0.99	1.84	1.38	0.35
CO	50	ppm	12	1	0.80	0.80	0.37	0.50	0.43	0.72	0.49	0.99	0.51	0.51	0.68	0.70	0.64	0.50	0.46	0.43
O_2		%	0	0.1	9.64	7.32	6.23	6.89	6.36	7.27	6.04	5.72	9.14	6.37	7.22	8.13	7.46	7.88	7.56	7.15
FL1		Sm³	12	10	11,663	13,626	14,810	14,165	14,684	13,603	14,940	15,105	12,091	14,946	13,371	12,949	13,634	13,157	13,724	13,014
TMP		℃	0	1	185.90	185.36	184.87	185.17	185.19	184.61	184.62	184.99	185.43	185.77	185.51	184.50	183.99	184.70	185.19	184.10
TM1		℃	0	1	1,033.76	1,005.91	1,031.52	1,049.44	1,063.53	1,011.01	1,038.67	1,048.62	1,039.51	1,037.71	1,002.75	983.74	1,016.36	1,010.90	1,020.42	1,028.76
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

					12-07 08:00	12-07 08:30	12-07 09:00	12-07 09:30	12-07 10:00	12-07 10:30	12-07 11:00	12-07 11:30	12-07 12:00	12-07 12:30	12-07 13:00	12-07 13:30	12-07 14:00	12-07 14:30	12-07 15:00	12-07 15:30
TSP	20	mg/Sm³	12	1	0.76	0.62	0.61	0.63	0.65	0.67	0.60	0.63	0.78	0.66	0.63	0.69	0.63	0.64	0.64	0.63
SOx	30	ppm	12	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55
NOx	70	ppm	12	1	21.62	13.83	14.16	14.27	13.93	16.71	23.89	23.52	30.73	18.54	19.09	13.50	19.33	22.62	21.05	21.33
HCl	15	ppm	12	1	3.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CO	50	ppm	12	1	0.82	0.80	0.42	0.51	0.60	1.72	0.92	0.80	0.73	0.61	0.55	0.98	0.49	0.46	0.49	0.57
O_2		%	0	0.1	10.54	7.71	7.52	7.99	7.72	8.39	6.82	7.13	9.80	7.99	7.67	8.59	7.61	7.99	7.70	7.54
FL1		Sm³	12	10	10,344	12,253	12,348	11,985	12,195	11,584	13,931	13,756	11,240	12,552	13,071	12,028	13,100	12,807	13,352	13,827
TMP		℃	0	1	183.13	182.77	182.65	182.58	182.14	181.54	182.07	183.09	182.89	181.89	181.96	182.28	182.58	182.93	183.29	183.99
TM1		℃	0	1	996.19	1,000.17	1,026.79	1,009.41	1,014.29	996.00	1,037.02	1,031.23	1,039.90	1,021.36	1,028.22	968.84	1,027.59	1,031.61	1,025.47	1,019.43
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

					12-07 16:00	12-07 16:30	12-07 17:00	12-07 17:30	12-07 18:00	12-07 18:30	12-07 19:00	12-07 19:30	12-07 20:00	12-07 20:30	12-07 21:00	12-07 21:30	12-07 22:00	12-07 22:30	12-07 23:00	12-07 23:30
TSP	20	mg/Sm³	12	1	0.79	0.62	0.67	0.62	0.59	0.63	0.63	0.65	0.79	0.68	0.59	0.62	0.62	0.65	0.62	0.65
SOx	30	ppm	12	1	1.92	0.00	0.00	0.52	0.66	0.00	0.00	0.00	0.00	0.22	4.13	0.19	0.00	0.00	0.00	0.00
NOx	70	ppm	12	1	31.73	20.86	19.57	22.55	21.98	21.72	20.20	20.47	24.89	16.16	23.83	20.25	20.69	13.54	20.00	24.28
HCl	15	ppm	12	1	1.34	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.49	0.00	0.00	0.06	0.00	0.00	0.00	0.00
CO	50	ppm	12	1	3.67	0.39	0.71	0.46	4.11	0.36	0.58	0.62	1.07	1.10	0.57	0.42	0.49	0.68	0.30	0.15
O_2		%	0	0.1	9.63	7.41	8.22	7.13	6.52	7.55	7.71	8.19	10.53	8.28	6.72	7.22	7.19	7.91	7.17	7.91
FL1		Sm³	12	10	11,121	13,857	12,986	14,073	14,881	13,428	13,385	12,817	11,306	12,843	14,264	13,790	14,199	13,248	13,850	12,757
TMP		℃	0	1	184.48	184.73	184.02	183.65	183.98	184.24	184.07	184.02	183.93	183.53	183.06	183.20	184.32	184.29	183.93	183.62
TM1		℃	0	1	1,070.98	1,037.08	1,010.85	1,050.62	1,075.37	1,057.69	1,031.65	1,015.95	989.78	1,003.21	1,051.75	1,050.80	1,037.19	1,009.28	1,040.35	1,058.56
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 8일 굴뚝별 트랜드

					12-08 00:00	12-08 00:30	12-08 01:00	12-08 01:30	12-08 02:00	12-08 02:30	12-08 03:00	12-08 03:30	12-08 04:00	12-08 04:30	12-08 05:00	12-08 05:30	12-08 06:00	12-08 06:30	12-08 07:00	12-08 07:30
TSP	20	mg/Sm³	12	1	0.77	0.63	0.65	0.65	0.63	0.60	0.63	0.63	0.77	0.63	0.64	0.62	0.64	0.66	0.65	0.65
SOx	30	ppm	12	1	0.16	0.37	0.11	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NOx	70	ppm	12	1	32.58	24.64	22.75	20.82	19.67	22.96	18.05	21.61	28.76	22.89	21.36	23.83	16.48	21.07	20.44	23.40
HCl	15	ppm	12	1	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CO	50	ppm	12	1	0.14	0.26	0.60	0.38	0.44	0.34	0.63	0.44	0.28	0.38	0.47	0.40	0.64	0.72	0.59	0.46
O_2		%	0	0.1	9.58	7.24	7.41	7.81	7.39	6.73	7.26	7.27	9.52	7.27	7.49	7.09	7.65	8.00	7.84	7.65
FL1		Sm³	12	10	12,023	13,869	13,913	13,377	13,771	14,561	14,105	13,952	11,802	14,053	13,758	14,325	13,449	13,074	13,262	13,716
TMP		℃	0	1	183.78	184.16	184.34	184.52	184.54	184.43	185.14	184.63	184.17	184.56	184.65	184.61	184.28	183.88	183.69	183.18
TM1		℃	0	1	1,084.25	1,080.77	1,044.68	1,035.21	1,024.85	1,050.58	1,033.21	1,025.73	1,073.13	1,047.63	1,031.57	1,031.95	1,015.25	1,020.51	1,028.59	1,027.85
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

					12-08 08:00	12-08 08:30	12-08 09:00	12-08 09:30	12-08 10:00	12-08 10:30	12-08 11:00	12-08 11:30	12-08 12:00	12-08 12:30	12-08 13:00	12-08 13:30	12-08 14:00	12-08 14:30	12-08 15:00	12-08 15:30
TSP	20	mg/Sm³	12	1	0.78	0.67	0.64	0.67	0.63	0.65	0.62	0.71	0.85	0.70	0.77	0.57	0.57	0.60	0.66	0.63
SOx	30	ppm	12	1	0.00	0.00	0.00	0.00	0.08	0.01	2.12	0.00	0.00	0.00	0.00	0.76	3.46	0.00	0.00	0.00
NOx	70	ppm	12	1	31.72	21.69	24.60	19.86	25.37	21.92	18.19	15.80	26.61	26.39	18.65	23.29	21.25	24.41	22.24	24.26
HCl	15	ppm	12	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CO	50	ppm	12	1	0.41	0.64	0.46	0.66	0.30	0.50	5.27	0.75	0.62	0.41	1.43	0.79	0.34	0.22	0.42	0.33
O_2		%	0	0.1	9.46	8.04	7.55	7.91	7.21	7.57	6.72	8.97	11.45	8.60	9.72	5.80	5.80	6.74	7.98	7.44
FL1		Sm³	12	10	12,219	13,292	13,686	13,435	14,204	13,767	14,750	12,343	10,819	13,220	11,537	15,613	15,721	14,618	13,020	13,638
TMP		℃	0	1	183.89	184.53	184.22	183.81	184.57	184.30	184.83	184.42	183.95	184.68	185.06	183.03	184.46	185.62	184.77	184.06
TM1		℃	0	1	1,057.53	1,023.36	1,034.59	1,029.35	1,048.31	1,034.73	1,049.94	973.58	995.30	1,010.51	950.17	1,077.06	1,098.35	1,067.51	1,032.67	1,052.34
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

					12-08 16:00	12-08 16:30	12-08 17:00	12-08 17:30	12-08 18:00	12-08 18:30	12-08 19:00	12-08 19:30	12-08 20:00	12-08 20:30	12-08 21:00	12-08 21:30	12-08 22:00	12-08 22:30	12-08 23:00	12-08 23:30
TSP	20	mg/Sm³	12	1	0.81	0.60	0.65	0.65	0.62	0.64	0.68	0.68	0.79	0.68	0.60	0.59	0.62	0.64	0.66	0.63
SOx	30	ppm	12	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.08	0.13	0.51	4.51	0.00	0.15	2.02
NOx	70	ppm	12	1	29.15	24.86	29.29	24.68	25.61	23.02	19.98	20.62	18.66	13.46	19.60	20.48	22.38	24.77	21.63	24.03
HCl	15	ppm	12	1	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CO	50	ppm	12	1	0.41	0.26	0.40	0.53	0.45	0.47	0.81	0.94	1.18	0.66	0.28	0.24	0.21	0.32	0.44	0.37
O_2		%	0	0.1	10.79	6.73	7.91	7.88	7.20	7.60	8.23	8.33	10.61	8.00	6.70	6.49	6.74	7.47	7.76	7.01
FL1		Sm³	12	10	10,845	14,374	13,203	13,239	14,167	13,529	12,764	13,487	12,402	13,505	14,795	15,010	14,642	13,720	13,295	14,253
TMP		℃	0	1	184.14	184.34	184.13	184.00	184.41	184.63	184.07	182.96	184.49	186.16	184.65	185.28	186.71	186.29	185.45	186.02
TM1		℃	0	1	1,039.24	1,080.36	1,027.97	1,034.16	1,040.73	1,053.66	1,003.94	975.81	991.53	991.32	1,034.98	1,053.95	1,077.69	1,043.47	1,027.35	1,064.46
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