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	0.79	0.63	0.63	0.71	0.62	0.59	0.56	0.53	0.76	0.60	0.60	0.62	0.57	0.56	0.64	0.65
SOx	30	ppm	12	1	0.00	0.00	0.00	0.00	1.92	2.68	0.02	1.02	1.18	0.00	0.00	0.00	0.03	10.04	0.00	0.00
NOx	70	ppm	12	1	17.41	8.07	15.33	15.25	10.95	8.50	7.88	11.79	22.81	14.01	14.62	12.82	15.06	10.41	15.80	16.66
HCl	15	ppm	12	1	3.11	0.29	1.53	2.94	0.55	1.89	0.55	0.85	5.06	0.62	0.51	0.18	0.00	0.79	2.82	3.67
CO	50	ppm	12	1	0.80	0.83	0.69	1.34	14.72	39.34	21.18	19.53	12.97	0.32	1.85	0.54	15.57	46.88	1.46	0.58
O_2		%	0	0.1	9.33	7.27	7.13	8.15	5.57	5.55	5.32	4.58	8.38	6.52	6.22	6.45	5.34	4.66	7.29	7.48
FL1		Sm³	12	10	11,257	12,976	14,330	13,420	16,881	15,769	15,819	16,345	12,078	13,876	14,544	14,268	15,674	15,885	13,468	13,151
TMP		℃	0	1	186.93	185.27	184.97	187.02	188.10	188.37	187.50	187.02	187.14	186.38	186.21	186.42	186.66	186.74	186.50	186.30
TM1		℃	0	1	1,043.40	1,010.36	1,012.10	952.11	1,046.10	1,052.92	1,055.90	1,098.87	1,088.19	1,070.37	1,061.72	1,043.00	1,088.51	1,112.76	1,060.50	1,051.02
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

					12-03 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	0.79	0.61	0.60	0.57	0.58	0.56	0.56	0.57	0.77	0.55	0.53	0.57	0.59	0.57	0.56	0.55
SOx	30	ppm	12	1	0.00	0.00	0.00	0.14	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
NOx	70	ppm	12	1	16.24	12.46	12.16	15.93	14.75	13.20	14.86	11.94	18.07	7.80	9.12	16.54	12.84	12.53	10.12	12.69
HCl	15	ppm	12	1	4.82	0.43	0.25	0.39	0.81	0.54	0.01	0.00	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CO	50	ppm	12	1	0.75	0.45	0.45	0.32	0.49	0.62	0.28	0.44	0.54	23.68	7.71	0.27	0.39	1.24	0.65	7.70
O_2		%	0	0.1	10.03	6.70	6.59	5.83	5.91	5.39	5.58	5.85	8.75	4.96	4.53	5.79	6.22	5.97	5.74	5.54
FL1		Sm³	12	10	11,030	13,785	13,850	14,774	15,036	15,532	15,626	15,464	12,452	16,537	16,638	15,274	14,867	14,949	14,927	15,386
TMP		℃	0	1	185.70	185.60	185.17	185.08	186.40	186.85	186.85	187.20	187.47	187.82	187.73	187.54	187.26	186.88	186.33	186.14
TM1		℃	0	1	1,027.57	1,044.61	1,047.90	1,077.26	1,053.36	1,073.87	1,062.77	1,035.41	1,041.86	1,058.18	1,083.50	1,068.49	1,037.91	1,041.50	1,041.36	1,064.89
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

					12-03 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	0.74	0.56	0.55	0.57	0.56	0.57	0.58	0.58	0.77	0.62	0.59	0.58	0.59	0.59	0.56	0.59
SOx	30	ppm	12	1	0.34	0.00	0.00	0.00	0.13	0.00	0.01	0.02	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NOx	70	ppm	12	1	18.85	12.40	12.21	10.78	10.43	14.23	13.09	14.07	21.62	12.07	17.97	15.26	18.84	20.31	18.29	18.62
HCl	15	ppm	12	1	1.02	0.03	0.00	0.00	0.23	0.00	0.33	0.76	1.48	0.35	0.03	0.16	0.21	0.57	0.33	0.36
CO	50	ppm	12	1	67.11	0.90	0.50	0.45	25.46	0.35	14.01	18.67	2.03	0.53	0.46	4.45	0.75	0.36	4.20	0.46
O_2		%	0	0.1	8.50	5.61	5.30	5.91	5.36	5.44	5.68	5.78	9.22	6.86	5.77	6.02	6.39	6.46	5.39	6.36
FL1		Sm³	12	10	12,108	15,550	15,815	15,226	15,883	16,197	15,515	15,185	12,029	14,045	15,892	14,861	14,436	14,246	15,505	14,715
TMP		℃	0	1	186.78	187.28	187.82	187.95	187.83	188.52	188.90	188.20	187.89	187.44	187.87	187.85	187.15	186.55	186.66	187.15
TM1		℃	0	1	1,071.85	1,055.23	1,060.14	1,038.97	1,064.87	1,064.17	1,064.40	1,076.21	1,050.51	1,027.65	1,061.53	1,064.83	1,064.67	1,060.99	1,106.85	1,048.95
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

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	0.75	0.61	0.55	0.58	0.58	0.54	0.59	0.54	0.75	0.57	0.58	0.61	0.63	0.61	0.56	0.61
SOx	30	ppm	12	1	0.01	0.00	0.05	0.00	0.00	0.15	0.00	0.33	0.69	0.00	0.00	0.00	0.00	0.00	0.45	0.00
NOx	70	ppm	12	1	24.82	17.80	16.06	16.79	17.01	16.12	17.64	19.08	23.89	16.57	18.81	17.71	14.68	15.74	11.95	16.42
HCl	15	ppm	12	1	1.46	0.40	0.00	0.02	0.44	0.00	0.56	0.16	2.55	0.50	0.28	1.27	1.07	0.80	1.03	2.16
CO	50	ppm	12	1	4.79	0.58	21.10	0.48	0.29	22.20	0.28	26.04	26.54	0.31	4.81	0.64	0.69	0.80	10.96	0.83
O_2		%	0	0.1	8.33	6.75	5.04	6.00	6.17	4.78	6.06	4.69	7.29	5.92	5.86	6.95	7.24	6.71	5.48	6.84
FL1		Sm³	12	10	12,589	14,259	16,384	15,028	14,742	16,639	14,993	16,768	13,210	15,043	15,151	13,929	13,627	14,397	15,816	14,249
TMP		℃	0	1	186.94	187.02	187.51	187.86	187.53	188.01	187.96	187.99	188.63	188.74	188.00	187.46	187.33	187.21	187.82	187.80
TM1		℃	0	1	1,074.90	1,031.83	1,076.03	1,051.89	1,054.25	1,089.40	1,057.21	1,097.35	1,136.05	1,070.07	1,074.67	1,040.45	1,004.47	1,008.77	1,055.75	1,010.43
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

					12-04 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	0.79	0.61	0.63	0.58	0.57	0.64	0.62	0.57	0.73	0.59	0.56	0.60	0.59	0.56	0.60	0.65
SOx	30	ppm	12	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.84
NOx	70	ppm	12	1	22.14	17.90	16.69	17.44	20.50	17.59	15.39	17.71	25.39	17.31	16.64	20.32	17.99	17.25	19.27	19.45
HCl	15	ppm	12	1	3.25	0.33	0.52	0.30	0.16	0.84	1.23	0.77	2.07	1.41	0.64	1.40	2.18	1.06	2.51	5.88
CO	50	ppm	12	1	6.86	0.67	0.54	0.35	0.27	0.68	0.63	1.52	81.33	0.58	0.51	0.50	0.44	0.43	0.63	0.82
O_2		%	0	0.1	9.23	6.85	7.41	6.52	6.05	7.53	7.40	6.46	9.40	6.74	5.78	6.88	6.71	6.03	6.74	7.58
FL1		Sm³	12	10	11,383	14,157	13,472	14,449	14,997	13,340	13,448	14,561	12,235	14,342	15,213	14,110	14,140	15,060	14,256	13,375
TMP		℃	0	1	187.47	187.01	186.27	186.23	186.96	187.06	186.00	185.27	186.05	186.64	186.84	187.19	187.14	187.47	187.73	187.28
TM1		℃	0	1	1,058.67	1,016.91	1,007.76	1,028.85	1,055.30	1,003.96	993.93	1,036.15	1,043.59	1,025.91	1,061.48	1,021.58	1,030.45	1,051.47	1,028.07	999.07
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

					12-04 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	0.78	0.60	0.64	0.63	0.57	0.59	0.63	0.65	0.79	0.65	0.64	0.63	0.65	0.67	0.58	0.61
SOx	30	ppm	12	1	0.00	0.00	0.00	0.00	0.65	0.00	0.00	0.00	0.00	0.03	0.32	0.09	0.65	0.17	11.35	0.00
NOx	70	ppm	12	1	22.74	18.27	15.10	12.90	17.12	15.55	14.10	14.76	22.34	15.24	18.31	18.14	19.59	18.73	20.62	19.29
HCl	15	ppm	12	1	6.77	1.32	2.16	2.51	2.51	2.72	2.31	1.52	5.53	2.15	4.46	5.00	3.90	5.79	8.76	6.08
CO	50	ppm	12	1	0.86	0.55	0.84	0.71	0.47	0.44	0.63	0.83	0.82	0.61	0.46	0.48	0.61	0.61	2.65	0.53
O_2		%	0	0.1	9.41	6.51	7.77	7.50	6.05	6.44	7.53	7.73	9.56	7.31	7.25	7.10	7.36	7.61	5.78	6.73
FL1		Sm³	12	10	11,885	14,563	12,886	13,217	15,182	14,864	13,637	13,315	12,005	14,408	14,172	14,553	14,247	13,649	15,326	14,152
TMP		℃	0	1	186.96	187.29	187.00	185.98	185.82	187.37	187.51	186.91	186.58	188.22	187.81	187.30	188.24	187.98	187.57	187.27
TM1		℃	0	1	1,003.77	1,020.59	974.08	986.42	1,047.98	1,019.25	979.61	957.05	1,014.25	991.92	1,010.79	1,016.87	1,006.41	1,010.41	1,067.63	1,031.41
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

12월 5일 굴뚝별 트랜드

					12-05 00:00	12-05 00:30	12-05 01:00	12-05 01:30	12-05 02:00	12-05 02:30	12-05 03:00	12-05 03:30	12-05 04:00	12-05 04:30	12-05 05:00	12-05 05:30	12-05 06:00	12-05 06:30	12-05 07:00	12-05 07:30
TSP	20	mg/Sm³	12	1	0.75	0.60	0.61	0.62	0.59	0.59	0.67	0.59	0.83	0.59	0.62	0.60	0.64	0.58	0.64	0.65
SOx	30	ppm	12	1	0.43	1.17	0.00	0.00	0.44	0.00	0.00	0.53	0.00	0.00	0.00	0.59	0.87	0.11	0.17	0.00
NOx	70	ppm	12	1	34.99	20.66	23.66	20.80	20.83	21.74	24.29	22.81	21.31	22.58	20.47	22.54	20.88	25.91	22.29	21.15
HCl	15	ppm	12	1	9.45	3.57	1.51	0.72	1.26	1.48	3.21	2.62	7.39	0.07	0.31	0.31	1.75	0.66	1.87	1.81
CO	50	ppm	12	1	0.83	6.95	0.45	1.52	2.78	2.65	0.94	0.82	1.05	0.66	0.66	2.64	2.73	0.32	0.49	0.56
O_2		%	0	0.1	7.91	6.59	6.75	6.76	6.02	6.11	7.98	5.95	10.26	6.03	7.04	6.20	6.78	5.45	6.71	6.97
FL1		Sm³	12	10	12,695	14,011	13,948	14,220	14,907	14,792	12,889	14,928	10,914	14,992	13,917	14,875	13,986	15,808	14,309	14,008
TMP		℃	0	1	187.13	187.08	186.52	186.26	186.66	186.94	186.34	186.12	186.42	186.50	186.55	186.64	186.57	186.95	187.25	186.88
TM1		℃	0	1	1,102.88	1,059.90	1,053.97	1,022.37	1,063.57	1,069.84	1,000.34	1,075.05	1,007.17	1,058.53	1,013.94	1,055.97	1,050.98	1,088.77	1,044.75	1,025.27
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

					12-05 08:00	12-05 08:30	12-05 09:00	12-05 09:30	12-05 10:00	12-05 10:30	12-05 11:00	12-05 11:30	12-05 12:00	12-05 12:30	12-05 13:00	12-05 13:30	12-05 14:00	12-05 14:30	12-05 15:00	12-05 15:30
TSP	20	mg/Sm³	12	1	0.83	0.62	0.67	0.61	0.66	0.73	0.64	0.65	0.80	0.58	0.61	0.58	0.59	0.61	0.58	0.59
SOx	30	ppm	12	1	0.00	0.00	0.00	1.18	1.59	0.00	3.60	0.00	0.25	0.00	0.27	0.10	0.00	0.00	0.00	0.00
NOx	70	ppm	12	1	27.18	20.21	21.46	23.54	22.80	22.57	16.50	17.71	18.95	18.83	13.20	18.34	17.54	16.82	17.95	16.59
HCl	15	ppm	12	1	6.88	0.02	0.76	0.65	2.69	4.64	6.86	5.48	5.59	0.00	0.35	0.00	0.00	0.00	0.00	0.00
CO	50	ppm	12	1	0.90	0.63	0.60	0.49	0.45	0.75	0.82	5.04	59.21	0.45	5.50	0.29	0.34	0.52	23.02	0.52
O_2		%	0	0.1	9.73	6.38	7.44	5.97	6.10	8.00	7.22	6.43	9.00	6.21	6.96	6.35	6.66	6.91	6.08	6.46
FL1		Sm³	12	10	11,498	14,626	13,365	15,171	14,746	12,643	13,555	14,613	11,974	14,674	13,553	14,532	14,208	13,910	14,912	14,694
TMP		℃	0	1	186.39	186.75	186.57	185.74	185.60	185.01	184.17	184.63	184.85	184.74	184.07	184.33	185.13	185.54	185.43	184.79
TM1		℃	0	1	1,018.24	1,039.23	1,022.92	1,065.12	1,087.03	1,004.29	1,023.55	1,040.99	1,067.35	1,071.71	1,037.61	1,065.03	1,045.35	1,058.67	1,076.10	1,044.47
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

					12-05 16:00	12-05 16:30	12-05 17:00	12-05 17:30	12-05 18:00	12-05 18:30	12-05 19:00	12-05 19:30	12-05 20:00	12-05 20:30	12-05 21:00	12-05 21:30	12-05 22:00	12-05 22:30	12-05 23:00	12-05 23:30
TSP	20	mg/Sm³	12	1	0.79	0.57	0.64	0.61	0.64	0.57	0.62	0.62	0.80	0.65	0.61	0.58	0.58	0.65	0.70	0.67
SOx	30	ppm	12	1	0.00	0.00	0.00	0.12	0.00	0.01	0.00	0.00	0.10	0.00	0.25	3.95	6.36	1.33	0.00	0.00
NOx	70	ppm	12	1	15.23	20.64	15.60	16.86	13.47	13.05	14.12	11.75	17.51	9.19	9.68	13.09	18.29	23.27	15.13	10.79
HCl	15	ppm	12	1	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.82	0.04	0.00	0.04	1.08	2.38	3.62	3.54
CO	50	ppm	12	1	0.84	0.87	0.70	9.19	0.81	3.73	0.71	0.80	0.69	0.79	0.50	0.30	0.22	0.23	0.90	1.04
O_2		%	0	0.1	10.42	6.04	7.61	7.03	7.72	6.14	7.43	7.37	9.72	7.85	6.66	5.97	5.92	7.34	8.58	8.23
FL1		Sm³	12	10	10,845	14,957	13,053	13,780	13,020	14,870	13,466	13,820	12,109	13,531	15,077	15,871	15,983	14,243	12,711	13,002
TMP		℃	0	1	184.18	184.27	184.38	183.93	182.95	182.65	183.10	182.22	183.44	185.38	185.72	186.46	187.21	187.30	186.49	184.85
TM1		℃	0	1	1,018.07	1,075.57	1,026.77	1,041.91	996.31	1,058.34	1,000.34	995.75	1,023.05	983.83	1,038.47	1,064.17	1,076.39	1,050.90	981.69	962.67
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