12월 27일 굴뚝별 트랜드

					12-27 00:00	12-27 00:30	12-27 01:00	12-27 01:30	12-27 02:00	12-27 02:30	12-27 03:00	12-27 03:30	12-27 04:00	12-27 04:30	12-27 05:00	12-27 05:30	12-27 06:00	12-27 06:30	12-27 07:00	12-27 07:30
TSP	20	mg/Sm³	12	1	0.77	0.68	0.65	0.67	0.62	0.65	0.64	0.70	0.79	0.67	0.62	0.63	0.60	0.59	0.62	0.65
SOx	30	ppm	12	1	1.91	3.04	0.00	0.00	1.00	0.01	1.39	0.00	0.09	0.00	0.18	0.50	1.55	1.81	1.09	0.00
NOx	70	ppm	12	1	28.88	24.95	21.43	16.47	24.88	18.58	22.27	17.89	23.05	14.84	20.34	17.12	20.64	23.53	20.37	14.93
HCl	15	ppm	12	1	4.95	8.02	1.53	3.02	2.51	2.47	1.83	2.59	8.12	4.10	0.38	1.47	1.93	2.24	4.51	4.50
CO	50	ppm	12	1	0.39	0.44	0.66	0.51	0.33	0.62	2.68	0.76	0.72	0.57	0.85	0.91	0.29	0.28	5.94	0.53
O_2		%	0	0.1	9.27	7.93	7.18	8.03	6.83	7.46	7.03	8.30	9.72	7.96	7.10	7.37	6.35	6.19	6.86	7.48
FL1		Sm³	12	10	12,465	13,387	14,386	13,046	14,593	13,974	14,337	13,023	11,589	12,346	13,628	13,406	14,665	14,928	14,029	13,489
TMP		℃	0	1	182.70	184.66	184.68	184.37	184.68	185.06	185.50	185.51	184.73	183.49	182.71	182.70	183.68	184.38	184.35	184.01
TM1		℃	0	1	1,096.43	1,050.01	1,044.39	1,029.75	1,076.45	1,055.99	1,087.19	1,022.71	1,041.41	1,045.13	1,071.80	1,039.81	1,096.33	1,089.87	1,071.89	1,029.35
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	36.37	36.37	36.38	36.38

					12-27 08:00	12-27 08:30	12-27 09:00	12-27 09:30	12-27 10:00	12-27 10:30	12-27 11:00	12-27 11:30	12-27 12:00	12-27 12:30	12-27 13:00	12-27 13:30	12-27 14:00	12-27 14:30	12-27 15:00	12-27 15:30
TSP	20	mg/Sm³	12	1	0.82	0.65	0.53	0.48	0.47	0.48	0.48	0.48	0.48	0.48	0.49	0.49	0.48	0.49	0.75	0.99
SOx	30	ppm	12	1	0.00	0.00	0.00	0.00	0.00	0.00	36.77	0.00	0.11	0.09	0.05	0.08	0.11	0.16	0.34	33.18
NOx	70	ppm	12	1	16.72	13.12	9.62	0.86	0.83	0.65	79.38	0.53	0.75	0.80	0.83	1.07	2.12	0.84	15.10	67.00
HCl	15	ppm	12	1	8.30	0.07	0.16	0.00	0.00	1.40	11.33	0.43	0.21	0.08	0.11	0.28	0.90	0.17	0.85	5.70
CO	50	ppm	12	1	0.90	0.61	0.21	0.00	0.00	0.00	103.18	0.01	0.01	0.00	0.00	0.16	0.23	0.01	0.42	84.69
O_2		%	0	0.1	10.33	7.49	14.46	21.36	20.06	13.03	4.47	16.94	21.11	20.95	20.90	19.91	19.16	20.90	13.72	0.27
FL1		Sm³	12	10	11,093	13,339	16,521	17,690	18,003	18,181	17,984	17,923	18,144	18,394	18,423	17,929	18,484	18,201	13,416	8,750
TMP		℃	0	1	183.62	183.42	183.05	182.53	181.72	181.78	182.61	183.03	182.66	183.11	183.82	183.69	182.20	183.00	183.49	182.31
TM1		℃	0	1	1,028.59	1,029.88	1,044.82	1,021.77	1,063.86	1,037.79	1,066.20	1,056.36	1,047.71	1,053.80	1,074.72	1,022.41	1,049.48	1,069.66	1,047.95	1,019.44
TM3		℃	0	1	36.39	36.39	36.28	36.24	36.23	36.18	36.17	36.18	36.21	36.21	36.21	36.24	36.27	36.31	36.29	36.31

					12-27 16:00	12-27 16:30	12-27 17:00	12-27 17:30	12-27 18:00	12-27 18:30	12-27 19:00	12-27 19:30	12-27 20:00	12-27 20:30	12-27 21:00	12-27 21:30	12-27 22:00	12-27 22:30	12-27 23:00	12-27 23:30
TSP	20	mg/Sm³	12	1	0.82	0.63	0.68	0.65	0.65	0.64	0.64	0.62	0.85	0.65	0.67	0.64	0.66	0.66	0.67	0.64
SOx	30	ppm	12	1	10.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.84	2.60	0.76	0.03	0.89
NOx	70	ppm	12	1	29.36	19.94	13.98	18.38	13.87	14.61	14.37	17.80	30.33	19.87	20.23	18.35	21.23	19.03	20.48	22.49
HCl	15	ppm	12	1	1.09	0.59	0.95	0.52	0.69	0.67	0.83	0.35	1.52	0.00	0.00	0.55	1.81	4.08	3.65	3.39
CO	50	ppm	12	1	27.08	0.29	0.59	0.34	0.51	0.54	0.45	0.28	0.32	0.23	0.24	21.19	0.47	5.70	0.40	0.46
O_2		%	0	0.1	9.99	6.79	7.70	7.02	7.19	6.75	6.87	6.13	9.47	6.87	7.20	6.34	6.86	6.86	7.24	6.64
FL1		Sm³	12	10	11,187	14,237	13,412	13,847	13,721	14,295	14,019	15,265	11,698	13,877	13,692	14,664	14,195	14,096	13,693	14,413
TMP		℃	0	1	181.21	181.47	182.83	183.55	183.31	183.22	183.80	184.16	184.53	183.53	183.08	183.37	183.71	183.56	183.69	183.62
TM1		℃	0	1	1,041.88	1,056.72	1,031.81	1,063.51	1,043.64	1,061.14	1,058.71	1,088.17	1,088.87	1,076.65	1,076.93	1,106.13	1,087.46	1,084.17	1,067.22	1,089.12
TM3		℃	0	1	36.05	35.94	35.93	35.94	35.94	35.94	35.94	35.94	35.94	35.94	36.04	36.09	36.09	36.09	36.09	36.09

12월 28일 굴뚝별 트랜드

					12-28 00:00	12-28 00:30	12-28 01:00	12-28 01:30	12-28 02:00	12-28 02:30	12-28 03:00	12-28 03:30	12-28 04:00	12-28 04:30	12-28 05:00	12-28 05:30	12-28 06:00	12-28 06:30	12-28 07:00	12-28 07:30
TSP	20	mg/Sm³	12	1	0.85	0.71	0.69	0.73	0.66	0.65	0.70	0.70	0.83	0.65	0.70	0.66	0.67	0.65	0.68	0.67
SOx	30	ppm	12	1	3.41	0.00	0.02	0.00	1.32	8.32	3.10	0.32	1.39	0.00	0.00	0.14	0.00	0.03	0.02	0.69
NOx	70	ppm	12	1	29.66	15.94	19.05	15.65	20.70	22.80	16.71	16.57	23.11	21.08	16.71	18.85	22.67	21.15	21.72	17.72
HCl	15	ppm	12	1	6.68	1.75	1.88	3.98	2.61	4.61	10.93	4.68	7.97	0.65	0.76	0.03	0.01	0.17	0.41	1.25
CO	50	ppm	12	1	0.33	0.55	0.44	0.66	0.40	0.35	0.53	3.26	0.66	0.38	0.54	0.54	0.33	0.25	0.35	2.63
O_2		%	0	0.1	9.59	7.85	7.56	8.51	7.21	6.77	7.65	7.70	9.64	6.88	7.77	6.64	6.86	6.61	6.96	6.85
FL1		Sm³	12	10	12,014	13,270	13,215	12,090	13,802	14,484	13,110	13,031	11,393	13,759	13,000	14,612	14,355	14,367	14,054	14,143
TMP		℃	0	1	184.17	184.36	183.62	182.66	182.11	183.08	183.38	182.73	181.22	180.50	180.93	182.32	183.29	183.22	183.23	183.53
TM1		℃	0	1	1,087.77	1,031.15	1,046.17	1,030.38	1,065.46	1,069.26	1,054.63	1,051.76	1,060.81	1,072.38	1,051.46	1,060.55	1,067.91	1,094.41	1,077.51	1,070.19
TM3		℃	0	1	36.07	36.05	36.05	36.05	36.05	36.05	36.05	36.05	36.04	36.02	36.04	36.05	36.04	36.05	36.06	36.14

					12-28 08:00	12-28 08:30	12-28 09:00	12-28 09:30	12-28 10:00	12-28 10:30	12-28 11:00	12-28 11:30	12-28 12:00	12-28 12:30	12-28 13:00	12-28 13:30	12-28 14:00	12-28 14:30	12-28 15:00	12-28 15:30
TSP	20	mg/Sm³	12	1	0.88	0.70	0.66	0.71	0.75	0.74	0.72	0.71	0.84	0.68	0.72	0.70	0.73	0.65	0.65	0.64
SOx	30	ppm	12	1	2.84	0.00	2.26	1.21	3.09	16.75	1.65	5.22	1.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NOx	70	ppm	12	1	19.77	18.91	19.78	18.66	15.87	17.52	18.72	18.46	29.12	21.53	13.20	14.00	16.26	15.27	14.99	21.17
HCl	15	ppm	12	1	4.81	0.09	0.29	0.42	3.36	17.50	9.81	9.02	9.97	0.00	0.02	0.00	0.00	0.00	0.00	0.00
CO	50	ppm	12	1	20.57	0.40	7.15	0.48	0.77	1.13	0.51	0.38	0.26	0.26	0.59	0.34	0.61	0.45	0.41	0.27
O_2		%	0	0.1	9.21	7.46	6.56	7.59	8.28	7.85	8.05	8.11	9.87	7.17	8.04	7.84	8.24	7.13	7.23	6.85
FL1		Sm³	12	10	11,074	13,528	14,660	13,611	12,457	12,947	12,688	12,949	11,569	13,351	12,223	12,719	12,151	13,074	13,006	13,746
TMP		℃	0	1	183.71	183.37	183.57	183.91	183.22	182.15	180.93	180.79	181.53	181.80	181.27	180.52	181.13	181.24	181.91	182.31
TM1		℃	0	1	1,090.98	1,056.27	1,096.07	1,061.75	1,055.55	1,076.92	1,079.45	1,088.26	1,102.97	1,108.43	1,063.07	1,071.75	1,055.57	1,081.59	1,086.65	1,101.45
TM3		℃	0	1	36.17	36.17	36.17	36.17	36.17	36.17	36.17	36.17	36.17	36.17	36.17	36.17	36.17	36.17	36.17	36.17

					12-28 16:00	12-28 16:30	12-28 17:00	12-28 17:30	12-28 18:00	12-28 18:30	12-28 19:00	12-28 19:30	12-28 20:00	12-28 20:30	12-28 21:00	12-28 21:30	12-28 22:00	12-28 22:30	12-28 23:00	12-28 23:30
TSP	20	mg/Sm³	12	1	0.82	0.66	0.71	0.68	0.67	0.75	0.73	0.75	0.85	0.81	0.80	0.73	0.77	0.78	0.74	0.79
SOx	30	ppm	12	1	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.52	0.94	0.00	0.00	2.38	1.07	0.42	3.58	0.29
NOx	70	ppm	12	1	19.34	18.24	12.48	19.14	19.69	10.30	18.84	16.98	26.67	12.18	14.76	18.90	15.05	11.46	23.36	12.68
HCl	15	ppm	12	1	0.81	0.02	0.44	0.13	0.26	0.20	0.32	1.20	3.45	1.19	1.65	1.84	5.09	6.82	3.80	5.74
CO	50	ppm	12	1	0.50	0.28	0.53	0.42	0.43	1.17	0.59	0.90	0.44	1.17	1.00	0.43	1.07	1.20	0.46	0.86
O_2		%	0	0.1	10.18	7.26	8.26	7.57	7.43	8.88	8.49	8.61	10.09	9.40	9.19	8.15	8.76	8.85	7.95	8.96
FL1		Sm³	12	10	11,112	13,207	12,223	13,168	13,572	11,742	13,077	12,994	12,311	11,979	12,209	13,543	11,983	11,959	13,917	12,546
TMP		℃	0	1	182.37	182.28	182.43	182.61	183.56	183.71	183.07	183.63	185.56	185.88	184.63	184.22	184.24	182.75	182.83	185.09
TM1		℃	0	1	1,060.73	1,094.66	1,047.17	1,060.47	1,063.85	992.31	1,031.88	1,026.13	1,059.13	1,002.39	1,006.20	1,046.25	1,016.00	1,010.08	1,060.18	1,023.87
TM3		℃	0	1	36.17	36.17	36.17	36.17	36.17	36.17	36.17	36.17	36.17	36.17	36.17	36.17	36.17	36.17	36.17	36.17

12월 29일 굴뚝별 트랜드

					12-29 00:00	12-29 00:30	12-29 01:00	12-29 01:30	12-29 02:00	12-29 02:30	12-29 03:00	12-29 03:30	12-29 04:00	12-29 04:30	12-29 05:00	12-29 05:30	12-29 06:00	12-29 06:30	12-29 07:00	12-29 07:30
TSP	20	mg/Sm³	12	1	0.94	0.82	0.73	0.65	0.62	0.70	0.71	0.70	0.87	0.70	0.63	0.72	0.69	0.69	0.71	0.69
SOx	30	ppm	12	1	0.00	3.03	10.02	0.17	5.74	4.38	0.28	0.00	2.36	0.08	3.51	3.97	0.74	5.86	2.71	0.00
NOx	70	ppm	12	1	17.48	13.25	11.54	7.90	19.23	20.45	21.33	19.21	34.19	20.48	26.50	18.81	22.91	24.53	15.37	22.12
HCl	15	ppm	12	1	8.59	1.58	5.64	3.19	1.58	5.76	6.00	5.38	8.45	1.87	1.07	7.07	3.81	7.22	8.39	4.80
CO	50	ppm	12	1	0.93	2.05	1.36	0.67	0.24	0.45	0.41	0.51	0.32	0.37	0.24	0.50	0.36	0.28	29.38	0.55
O_2		%	0	0.1	11.19	9.49	8.03	6.79	5.99	7.53	7.71	7.55	9.30	7.45	6.01	7.63	7.21	7.11	7.16	6.97
FL1		Sm³	12	10	10,731	12,124	13,832	14,636	15,608	13,824	13,582	13,826	12,075	13,968	15,998	13,475	14,262	14,187	13,239	13,785
TMP		℃	0	1	185.84	184.42	184.54	185.09	184.99	185.42	185.65	185.45	185.94	186.13	186.65	186.56	185.59	185.75	184.48	183.15
TM1		℃	0	1	1,027.15	961.39	995.78	1,031.41	1,101.76	1,069.43	1,049.93	1,046.20	1,089.67	1,051.63	1,100.38	1,076.89	1,076.44	1,092.23	1,073.65	1,089.53
TM3		℃	0	1	36.17	36.17	36.17	36.17	36.17	36.17	36.17	36.17	36.15	36.13	36.13	36.13	36.14	36.16	36.16	36.15

					12-29 08:00	12-29 08:30	12-29 09:00	12-29 09:30	12-29 10:00	12-29 10:30	12-29 11:00	12-29 11:30	12-29 12:00	12-29 12:30	12-29 13:00	12-29 13:30	12-29 14:00	12-29 14:30	12-29 15:00	12-29 15:30
TSP	20	mg/Sm³	12	1	0.90	0.71	0.69	0.68	0.71	0.65	0.66	0.61	0.86	0.73	0.75	0.73	0.72	0.69	0.75	0.69
SOx	30	ppm	12	1	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.08	0.87	0.00	1.75
NOx	70	ppm	12	1	22.07	20.29	18.43	24.57	19.36	20.65	18.26	22.43	16.36	23.41	21.67	19.90	18.83	20.49	16.58	24.07
HCl	15	ppm	12	1	9.76	0.00	0.00	0.00	0.32	0.01	0.00	0.00	4.05	0.00	0.00	0.00	0.22	0.85	3.45	2.43
CO	50	ppm	12	1	0.63	0.45	0.46	0.20	0.34	0.37	5.89	0.10	0.49	0.27	0.37	0.74	0.53	0.46	0.96	0.57
O_2		%	0	0.1	10.72	7.35	6.90	6.76	7.35	6.60	6.80	5.64	10.71	7.97	8.42	8.35	8.10	7.52	8.79	7.66
FL1		Sm³	12	10	10,507	13,205	13,565	13,536	13,087	14,197	13,955	14,992	11,190	13,343	12,748	13,093	13,285	13,945	12,352	13,936
TMP		℃	0	1	182.81	183.44	182.75	182.31	183.20	183.47	183.78	183.62	183.24	183.99	184.74	184.82	185.27	186.17	185.41	185.20
TM1		℃	0	1	1,061.91	1,070.47	1,083.71	1,113.84	1,090.97	1,089.84	1,085.41	1,129.14	1,041.98	1,068.47	1,050.70	1,026.93	1,043.65	1,055.77	1,015.23	1,049.48
TM3		℃	0	1	36.15	36.17	36.17	36.17	36.13	36.13	36.13	36.13	36.13	36.13	36.13	36.13	36.13	36.13	36.13	36.13

					12-29 16:00	12-29 16:30	12-29 17:00	12-29 17:30	12-29 18:00	12-29 18:30	12-29 19:00	12-29 19:30	12-29 20:00	12-29 20:30	12-29 21:00	12-29 21:30	12-29 22:00	12-29 22:30	12-29 23:00	12-29 23:30
TSP	20	mg/Sm³	12	1	0.89	0.75	0.70	0.69	0.77	0.72	0.69	0.66	0.91	0.66	0.69	0.73	0.65	0.65	0.66	0.68
SOx	30	ppm	12	1	2.19	0.00	0.18	6.83	0.61	0.98	2.74	4.01	9.17	1.46	0.85	7.70	1.47	4.45	0.12	1.23
NOx	70	ppm	12	1	24.32	13.93	22.46	25.20	15.20	20.52	22.92	27.83	32.26	27.00	25.21	18.97	27.01	20.90	17.07	20.02
HCl	15	ppm	12	1	12.09	2.30	0.72	3.91	9.41	4.82	5.50	5.02	7.80	0.39	1.93	6.78	3.03	5.87	5.87	5.29
CO	50	ppm	12	1	0.89	0.92	0.41	0.37	0.85	0.57	0.48	0.24	0.46	0.24	0.30	12.22	0.33	0.33	13.65	9.09
O_2		%	0	0.1	10.82	8.72	7.54	7.08	8.67	7.70	7.06	6.20	10.39	6.49	7.07	7.54	6.10	6.35	6.53	6.94
FL1		Sm³	12	10	10,703	12,341	14,002	14,418	12,372	13,706	14,586	15,718	11,591	15,027	14,574	13,913	15,535	14,517	14,432	14,038
TMP		℃	0	1	186.15	185.52	184.92	186.64	186.04	185.00	186.23	187.52	187.65	186.27	186.36	186.73	186.71	186.61	185.73	185.36
TM1		℃	0	1	1,029.87	1,010.91	1,062.34	1,074.79	1,020.87	1,059.51	1,063.58	1,098.83	1,062.51	1,094.67	1,075.59	1,056.01	1,111.98	1,113.11	1,087.25	1,094.14
TM3		℃	0	1	36.13	36.13	36.13	36.13	36.13	36.13	36.13	36.13	36.13	36.13	36.13	36.13	36.13	36.13	36.13	36.13