1월 7일 굴뚝별 트랜드

					01-07 00:00	01-07 00:30	01-07 01:00	01-07 01:30	01-07 02:00	01-07 02:30	01-07 03:00	01-07 03:30	01-07 04:00	01-07 04:30	01-07 05:00	01-07 05:30	01-07 06:00	01-07 06:30	01-07 07:00	01-07 07:30
TSP	20	mg/Sm³	12	1	0.48	0.41	0.40	0.41	0.38	0.40	0.40	0.35	0.50	0.39	0.42	0.37	0.39	0.39	0.44	0.36
SOx	30	ppm	12	1	0.00	0.00	0.06	0.26	0.49	1.59	0.04	1.90	0.02	0.00	0.00	1.64	0.79	0.00	0.65	12.77
NOx	70	ppm	12	1	30.68	16.33	20.31	16.62	22.21	16.43	16.99	26.03	29.48	22.84	17.77	26.38	24.98	25.54	22.79	30.28
HCl	15	ppm	12	1	0.37	0.00	0.11	2.00	0.83	1.21	2.72	1.10	3.77	0.00	1.70	1.08	4.41	2.17	2.68	5.35
CO	50	ppm	12	1	0.63	0.80	0.58	0.59	0.41	0.66	0.56	0.32	0.44	0.57	0.74	2.87	0.24	0.38	0.79	24.65
O_2		%	0	0.1	9.36	7.86	7.17	7.64	6.27	7.01	7.30	5.53	10.22	7.14	7.93	6.02	7.01	6.84	8.35	5.28
FL1		Sm³	12	10	12,440	13,781	14,611	14,014	16,071	15,142	14,442	16,625	11,999	14,771	13,588	15,833	14,672	14,971	14,026	17,808
TMP		℃	0	1	181.48	181.95	182.34	182.20	183.04	183.84	182.27	182.07	182.68	182.79	182.94	182.27	182.56	183.10	183.01	184.58
TM1		℃	0	1	1,053.11	1,031.19	1,029.16	1,030.87	1,066.95	1,044.18	1,026.44	1,095.36	1,048.07	1,049.21	1,042.18	1,085.39	1,089.32	1,097.11	1,013.00	1,103.27
TM3		℃	0	1	36.46	36.45	36.46	36.46	36.45	36.46	36.46	36.45	36.45	36.45	36.46	36.46	36.46	36.46	36.46	36.47

					01-07 08:00	01-07 08:30	01-07 09:00	01-07 09:30	01-07 10:00	01-07 10:30	01-07 11:00	01-07 11:30	01-07 12:00	01-07 12:30	01-07 13:00	01-07 13:30	01-07 14:00	01-07 14:30	01-07 15:00	01-07 15:30
TSP	20	mg/Sm³	12	1	0.50	0.42	0.37	0.40	0.38	0.35	0.35	0.36	0.48	0.34	0.33	0.40	0.36	0.35	0.43	0.35
SOx	30	ppm	12	1	1.82	0.01	2.41	0.00	5.23	5.09	0.08	0.04	0.00	0.01	1.53	0.00	0.00	0.00	0.00	0.00
NOx	70	ppm	12	1	41.87	26.20	27.63	28.64	32.50	34.41	38.66	28.09	28.18	32.49	40.01	25.58	30.93	31.70	23.16	29.89
HCl	15	ppm	12	1	2.29	0.00	1.32	1.25	1.52	7.80	2.18	1.59	0.73	0.00	0.30	0.70	0.00	0.27	0.99	0.09
CO	50	ppm	12	1	2.07	0.69	2.74	0.41	0.47	0.29	0.29	0.36	0.59	0.19	0.19	0.40	0.24	0.14	0.62	0.26
O_2		%	0	0.1	9.62	7.59	6.09	7.59	6.78	5.52	5.61	6.28	9.32	5.43	5.11	7.67	6.79	6.41	8.94	6.31
FL1		Sm³	12	10	12,440	14,646	16,187	14,277	15,434	16,836	16,785	16,046	13,066	17,455	17,422	14,352	15,426	15,652	12,760	15,911
TMP		℃	0	1	184.09	182.90	183.80	183.62	182.80	183.30	183.07	182.34	181.86	182.18	182.26	181.51	180.80	181.93	181.95	181.55
TM1		℃	0	1	1,106.39	1,040.21	1,125.09	1,072.01	1,086.37	1,138.72	1,142.13	1,114.56	1,061.65	1,119.05	1,152.49	1,071.69	1,101.87	1,122.79	1,012.63	1,102.97
TM3		℃	0	1	36.46	36.46	36.46	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47

					01-07 16:00	01-07 16:30	01-07 17:00	01-07 17:30	01-07 18:00	01-07 18:30	01-07 19:00	01-07 19:30	01-07 20:00	01-07 20:30	01-07 21:00	01-07 21:30	01-07 22:00	01-07 22:30	01-07 23:00	01-07 23:30
TSP	20	mg/Sm³	12	1	0.47	0.38	0.34	0.45	0.35	0.39	0.33	0.35	0.52	0.38	0.42	0.34	0.35	0.38	0.41	0.40
SOx	30	ppm	12	1	0.00	0.00	4.72	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00	3.48	9.03	2.04	0.08	0.20
NOx	70	ppm	12	1	29.09	21.30	32.60	21.91	19.10	17.29	17.87	24.54	25.81	16.73	17.33	19.25	19.75	20.75	16.33	17.28
HCl	15	ppm	12	1	2.33	0.75	2.08	4.60	0.05	1.18	0.32	0.82	1.12	0.00	0.00	0.50	6.63	7.65	4.03	1.50
CO	50	ppm	12	1	0.54	0.50	0.17	1.22	0.24	0.44	0.21	0.29	0.60	0.56	0.76	0.39	16.53	0.41	0.67	0.58
O_2		%	0	0.1	9.58	7.56	5.69	9.34	6.20	8.03	5.61	6.14	11.07	7.67	8.65	6.04	6.21	7.27	8.10	7.78
FL1		Sm³	12	10	12,534	14,321	16,598	12,294	15,978	14,466	15,935	15,608	10,278	13,817	12,669	16,001	15,808	14,541	13,503	13,755
TMP		℃	0	1	183.24	183.60	183.53	182.88	181.77	183.17	183.96	183.15	182.75	182.23	180.74	180.54	182.35	183.12	182.25	181.53
TM1		℃	0	1	1,081.85	1,042.87	1,134.87	978.46	1,067.33	1,006.75	1,096.11	1,101.26	1,064.49	1,038.29	995.97	1,068.12	1,097.44	1,068.11	1,022.13	1,023.33
TM3		℃	0	1	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47

1월 8일 굴뚝별 트랜드

					01-08 00:00	01-08 00:30	01-08 01:00	01-08 01:30	01-08 02:00	01-08 02:30	01-08 03:00	01-08 03:30	01-08 04:00	01-08 04:30	01-08 05:00	01-08 05:30	01-08 06:00	01-08 06:30	01-08 07:00	01-08 07:30
TSP	20	mg/Sm³	12	1	0.46	0.39	0.37	0.42	0.41	0.37	0.40	0.35	0.50	0.38	0.38	0.37	0.38	0.38	0.39	0.34
SOx	30	ppm	12	1	0.00	0.00	0.00	0.07	0.45	1.47	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.48
NOx	70	ppm	12	1	18.98	15.13	20.28	13.71	18.33	14.00	11.29	18.47	16.33	12.32	11.31	14.48	12.85	10.37	10.46	15.43
HCl	15	ppm	12	1	1.31	0.26	0.00	1.58	0.32	2.36	0.78	0.00	0.64	0.00	0.00	0.00	0.00	0.00	0.00	0.38
CO	50	ppm	12	1	0.49	0.45	0.31	0.73	0.66	0.27	0.38	0.08	0.44	0.23	0.16	0.25	0.23	0.26	0.41	1.30
O_2		%	0	0.1	9.50	7.70	6.82	8.40	7.89	6.91	7.88	6.36	11.13	7.52	7.74	7.10	7.14	7.38	7.83	5.71
FL1		Sm³	12	10	12,499	13,738	14,878	12,850	13,991	14,870	13,548	15,195	10,902	13,881	13,588	14,610	14,714	14,416	13,996	16,048
TMP		℃	0	1	181.34	181.90	181.61	181.48	180.35	180.32	181.07	180.09	180.42	179.65	179.60	181.30	182.23	181.75	181.70	181.96
TM1		℃	0	1	1,051.15	1,036.99	1,069.70	1,020.35	999.17	1,056.53	1,015.72	1,086.50	1,005.47	1,021.19	1,032.50	1,057.35	1,039.01	1,021.64	1,000.93	1,086.55
TM3		℃	0	1	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47

					01-08 08:00	01-08 08:30	01-08 09:00	01-08 09:30	01-08 10:00	01-08 10:30	01-08 11:00	01-08 11:30	01-08 12:00	01-08 12:30	01-08 13:00	01-08 13:30	01-08 14:00	01-08 14:30	01-08 15:00	01-08 15:30
TSP	20	mg/Sm³	12	1	0.49	0.33	0.36	0.35	0.32	0.32	0.32	0.34	0.42	0.29	0.31	0.30	0.31	0.34	0.34	0.30
SOx	30	ppm	12	1	0.00	0.31	0.01	0.12	0.00	0.00	0.00	0.00	0.00	0.58	0.27	0.05	0.00	0.00	0.00	0.00
NOx	70	ppm	12	1	20.65	21.31	16.21	15.20	17.45	19.80	17.59	15.75	21.73	20.40	21.18	27.24	25.28	17.92	14.27	17.27
HCl	15	ppm	12	1	1.40	0.00	0.04	0.00	0.37	0.07	0.12	0.15	0.31	0.00	0.00	0.18	0.10	0.46	0.02	0.00
CO	50	ppm	12	1	0.50	0.57	0.38	0.40	0.28	0.31	0.26	0.34	0.20	0.04	0.05	0.01	0.01	0.26	0.42	0.11
O_2		%	0	0.1	11.03	5.42	6.84	6.41	6.13	6.27	5.95	7.03	9.11	5.41	6.14	5.97	6.45	7.68	7.48	5.85
FL1		Sm³	12	10	11,193	16,634	14,870	14,501	14,720	14,689	14,903	13,733	11,451	15,668	14,871	15,235	15,014	13,674	13,867	15,659
TMP		℃	0	1	181.84	181.73	182.70	182.01	180.59	179.91	179.83	180.02	179.50	179.37	179.80	180.91	181.60	181.70	181.25	180.67
TM1		℃	0	1	1,013.95	1,096.55	1,076.74	1,077.65	1,080.31	1,068.45	1,092.66	1,052.24	1,072.89	1,099.24	1,113.15	1,135.79	1,106.29	1,051.53	1,030.86	1,056.57
TM3		℃	0	1	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47

					01-08 16:00	01-08 16:30	01-08 17:00	01-08 17:30	01-08 18:00	01-08 18:30	01-08 19:00	01-08 19:30	01-08 20:00	01-08 20:30	01-08 21:00	01-08 21:30	01-08 22:00	01-08 22:30	01-08 23:00	01-08 23:30
TSP	20	mg/Sm³	12	1	0.42	0.33	0.28	0.29	0.36	0.31	0.31	0.31	0.39	0.31	0.39	0.33	0.30	0.33	0.32	0.30
SOx	30	ppm	12	1	0.00	0.00	0.00	0.00	0.00	1.93	3.25	0.00	16.10	0.00	0.00	0.00	0.00	0.00	0.00	1.05
NOx	70	ppm	12	1	22.68	10.94	16.95	17.03	10.90	18.11	11.07	11.74	18.24	20.80	12.40	15.88	15.67	10.83	14.41	16.18
HCl	15	ppm	12	1	0.53	0.00	0.00	0.14	1.12	1.78	11.04	2.38	4.42	1.90	2.02	0.23	0.19	1.36	0.49	1.22
CO	50	ppm	12	1	0.18	0.35	0.11	0.06	0.54	0.42	0.30	0.21	49.36	0.24	0.97	0.54	0.23	0.34	0.29	0.21
O_2		%	0	0.1	9.37	7.12	5.36	5.54	8.21	6.80	6.31	6.37	7.66	6.34	9.24	7.25	6.11	7.10	6.88	5.75
FL1		Sm³	12	10	11,543	14,144	16,109	15,743	12,764	15,449	15,570	15,889	13,845	15,787	12,232	14,527	16,217	14,941	15,202	16,479
TMP		℃	0	1	181.05	181.57	181.45	182.35	181.91	180.48	181.49	183.02	183.67	183.68	182.40	180.44	181.19	183.57	183.49	182.94
TM1		℃	0	1	1,072.88	1,013.97	1,082.59	1,101.79	1,004.38	1,023.13	1,049.92	1,036.30	1,108.01	1,103.57	989.04	1,025.90	1,068.25	1,029.00	1,029.73	1,083.17
TM3		℃	0	1	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47

1월 9일 굴뚝별 트랜드

					01-09 00:00	01-09 00:30	01-09 01:00	01-09 01:30	01-09 02:00	01-09 02:30	01-09 03:00	01-09 03:30	01-09 04:00	01-09 04:30	01-09 05:00	01-09 05:30	01-09 06:00	01-09 06:30	01-09 07:00	01-09 07:30
TSP	20	mg/Sm³	12	1	0.42	0.33	0.32	0.33	0.35	0.36	0.31	0.34	0.44	0.35	0.36	0.34	0.34	0.37	0.35	0.36
SOx	30	ppm	12	1	0.00	0.00	0.00	0.00	0.00	0.00	0.76	0.88	0.00	0.00	0.03	0.04	0.00	0.00	0.00	0.00
NOx	70	ppm	12	1	22.74	13.83	15.66	13.55	13.77	12.53	18.62	15.44	17.22	15.06	17.36	18.10	19.39	18.55	19.03	23.05
HCl	15	ppm	12	1	2.17	0.00	0.00	0.18	0.03	0.00	0.00	0.76	1.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CO	50	ppm	12	1	0.33	0.22	0.22	0.32	0.26	0.36	0.13	0.14	0.40	0.21	0.50	0.18	0.18	0.34	0.22	0.18
O_2		%	0	0.1	9.69	7.04	6.56	7.13	8.00	8.17	5.97	6.93	10.57	7.33	7.75	7.07	7.50	8.29	7.47	7.81
FL1		Sm³	12	10	12,112	14,828	15,562	14,796	13,597	13,538	16,285	14,832	11,819	14,477	14,117	14,665	14,236	13,365	14,182	13,809
TMP		℃	0	1	183.27	182.84	182.84	183.13	182.69	181.81	181.77	182.28	181.75	180.95	181.84	182.13	182.15	181.70	181.56	181.14
TM1		℃	0	1	1,056.17	1,048.63	1,049.12	1,045.11	1,025.25	1,014.09	1,079.30	1,083.98	1,020.69	1,048.77	1,021.53	1,078.18	1,064.11	1,032.09	1,078.21	1,079.52
TM3		℃	0	1	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.46	36.46	36.46	36.46	36.45	36.46

					01-09 08:00	01-09 08:30	01-09 09:00	01-09 09:30	01-09 10:00	01-09 10:30	01-09 11:00	01-09 11:30	01-09 12:00	01-09 12:30	01-09 13:00	01-09 13:30	01-09 14:00	01-09 14:30	01-09 15:00	01-09 15:30
TSP	20	mg/Sm³	12	1	0.44	0.36	0.38	0.37	0.36	0.37	0.36	0.33	0.45	0.34	0.38	0.32	0.34	0.36	0.33	0.35
SOx	30	ppm	12	1	0.04	0.00	0.03	0.00	0.00	0.00	0.24	0.14	0.00	0.04	0.00	0.00	0.00	0.00	0.70	0.00
NOx	70	ppm	12	1	25.11	22.23	19.40	19.58	19.89	20.18	25.81	23.79	30.53	23.16	16.98	21.26	18.82	20.36	25.24	19.31
HCl	15	ppm	12	1	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.00	0.00	0.00	0.00	0.00	0.38	1.97
CO	50	ppm	12	1	0.33	0.31	0.43	0.36	0.25	0.26	0.21	0.16	0.17	0.42	0.57	0.30	0.27	0.48	0.14	0.29
O_2		%	0	0.1	10.19	7.84	8.31	7.99	8.01	8.19	7.72	6.59	10.11	6.90	8.59	6.56	7.02	7.67	6.53	7.70
FL1		Sm³	12	10	11,859	13,939	13,433	13,930	13,703	13,518	13,881	14,266	10,742	13,843	12,397	14,919	14,145	13,512	14,598	13,258
TMP		℃	0	1	180.86	180.93	181.06	180.68	180.61	181.40	181.77	181.14	180.33	179.73	179.11	178.41	179.60	179.95	179.55	180.42
TM1		℃	0	1	1,065.67	1,066.95	1,048.54	1,055.42	1,063.41	1,069.97	1,066.84	1,112.41	1,102.80	1,114.71	1,027.92	1,075.51	1,080.71	1,040.54	1,119.69	1,088.75
TM3		℃	0	1	36.46	36.46	36.46	36.46	36.45	36.46	36.46	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47

					01-09 16:00	01-09 16:30	01-09 17:00	01-09 17:30	01-09 18:00	01-09 18:30	01-09 19:00	01-09 19:30	01-09 20:00	01-09 20:30	01-09 21:00	01-09 21:30	01-09 22:00	01-09 22:30	01-09 23:00	01-09 23:30
TSP	20	mg/Sm³	12	1	2.06	1.27	1.30	1.21	1.20	1.34	1.21	1.11	1.60	1.17	1.21	1.32	1.38	1.09	1.18	1.31
SOx	30	ppm	12	1	0.39	0.00	0.00	0.00	0.41	0.11	3.32	0.00	0.11	0.03	0.00	0.00	0.00	0.33	0.02	0.00
NOx	70	ppm	12	1	25.57	24.29	20.14	21.50	22.01	20.26	22.12	26.07	31.20	26.69	21.58	19.98	20.69	24.99	24.54	17.79
HCl	15	ppm	12	1	2.06	0.17	0.03	0.00	0.01	0.94	7.96	4.11	2.19	0.05	1.18	1.67	0.94	1.91	4.25	1.89
CO	50	ppm	12	1	0.41	0.19	0.38	0.42	0.36	0.75	0.56	0.26	0.73	0.32	0.39	0.72	1.33	0.33	0.39	0.87
O_2		%	0	0.1	9.72	7.53	8.07	7.05	6.70	8.37	7.26	6.06	10.87	6.76	7.28	8.26	8.73	5.75	6.82	8.37
FL1		Sm³	12	10	11,040	13,422	12,760	13,782	14,066	13,039	14,495	15,197	10,771	15,047	14,536	13,437	12,957	16,449	14,731	12,721
TMP		℃	0	1	180.55	180.37	180.41	179.85	178.90	179.15	180.80	181.62	180.52	180.05	182.05	182.45	181.53	180.49	182.45	181.74
TM1		℃	0	1	1,101.70	1,095.97	1,072.39	1,067.54	1,091.15	1,052.33	1,054.19	1,099.16	1,048.49	1,101.03	1,079.58	1,019.54	975.94	1,101.44	1,086.45	1,017.75
TM3		℃	0	1	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47