11월 30일 굴뚝별 트랜드

					11-30 00:00	11-30 00:30	11-30 01:00	11-30 01:30	11-30 02:00	11-30 02:30	11-30 03:00	11-30 03:30	11-30 04:00	11-30 04:30	11-30 05:00	11-30 05:30	11-30 06:00	11-30 06:30	11-30 07:00	11-30 07:30
TSP	20	mg/Sm³	12	1	0.91	1.70	1.89	1.86	2.04	2.08	2.13	2.28	1.29	2.49	2.37	2.38	2.56	2.79	3.48	3.80
SOx	30	ppm	12	1	0.80	1.71	1.48	1.68	1.82	2.44	2.45	2.88	0.82	2.44	3.00	3.39	3.86	4.26	4.61	5.82
NOx	70	ppm	12	1	6.24	9.17	9.44	10.07	10.79	11.88	12.64	13.44	9.30	15.70	15.99	17.20	17.72	18.21	20.06	22.94
HCl	15	ppm	12	1	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.14	0.34	0.09	0.41	0.35	0.33	0.33
CO	50	ppm	12	1	3.36	5.62	5.58	4.86	4.40	3.83	3.33	3.02	1.58	2.81	2.58	2.33	2.31	2.32	2.48	2.47
O_2		%	0	0.1	20.49	20.46	20.45	20.45	20.46	20.46	20.46	20.46	20.51	20.47	20.47	20.48	20.49	20.48	20.50	20.56
FL1		Sm³	12	10	122	14	14	14	14	13	14	15	149	18	19	19	18	18	18	16
TMP		℃	0	1	8.37	8.38	8.35	8.27	8.08	7.92	7.72	7.60	7.59	7.43	7.27	7.09	6.90	6.90	6.92	6.90
TM1		℃	0	1	68.55	68.07	67.80	67.22	67.07	66.89	66.58	66.21	65.78	65.57	65.17	64.79	64.83	64.67	64.29	351.15
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

					11-30 08:00	11-30 08:30	11-30 09:00	11-30 09:30	11-30 10:00	11-30 10:30	11-30 11:00	11-30 11:30	11-30 12:00	11-30 12:30	11-30 13:00	11-30 13:30	11-30 14:00	11-30 14:30	11-30 15:00	11-30 15:30
TSP	20	mg/Sm³	12	1	1.90	3.11	2.77	2.49	2.55	2.33	2.29	1.74	1.28	2.47	2.28	2.16	2.07	2.32	2.23	2.30
SOx	30	ppm	12	1	1.45	1.20	2.69	4.35	6.00	4.11	1.86	2.48	1.45	2.46	3.08	2.97	2.72	3.11	2.65	1.95
NOx	70	ppm	12	1	13.50	21.46	21.22	21.20	20.02	16.67	16.29	20.18	9.11	13.82	13.16	12.79	12.96	13.79	14.05	13.77
HCl	15	ppm	12	1	0.09	0.29	0.17	0.51	0.32	0.09	0.00	0.45	0.01	0.00	0.00	0.00	0.00	0.17	0.09	0.00
CO	50	ppm	12	1	0.85	1.54	1.58	1.63	1.26	0.22	0.04	1.82	0.26	0.77	1.16	0.47	0.92	1.05	0.75	0.53
O_2		%	0	0.1	20.62	20.59	20.55	20.58	20.63	20.66	20.66	20.54	20.66	20.64	20.64	20.65	20.65	20.66	20.66	20.66
FL1		Sm³	12	10	171	15	16	15	13	12	12	16	159	10	9	8	9	8	8	8
TMP		℃	0	1	6.82	6.73	6.72	6.79	6.87	7.10	7.33	7.41	7.66	8.02	8.25	8.43	8.44	8.46	8.65	8.72
TM1		℃	0	1	895.53	35.77	53.45	58.26	59.77	59.64	59.37	58.99	58.51	58.21	58.19	57.96	57.63	57.66	57.47	57.45
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

					11-30 16:00	11-30 16:30	11-30 17:00	11-30 17:30	11-30 18:00	11-30 18:30	11-30 19:00	11-30 19:30	11-30 20:00	11-30 20:30	11-30 21:00	11-30 21:30	11-30 22:00	11-30 22:30	11-30 23:00	11-30 23:30
TSP	20	mg/Sm³	12	1	1.11	2.02	2.11	2.33	2.40	0.41	0.48	0.47	0.42	0.53	0.48	0.44	0.46	0.41	0.47	0.34
SOx	30	ppm	12	1	0.78	2.26	1.10	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
NOx	70	ppm	12	1	7.65	11.26	10.08	10.94	8.51	16.43	21.35	27.42	23.67	25.23	27.25	28.77	28.39	32.27	46.00	48.73
HCl	15	ppm	12	1	0.06	0.04	0.29	0.22	2.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CO	50	ppm	12	1	0.00	0.34	0.32	0.27	39.20	173.55	161.80	158.77	137.96	178.31	218.30	226.92	326.88	224.50	69.72	5.65
O_2		%	0	0.1	20.67	20.65	20.64	20.63	20.27	14.95	15.12	14.91	16.13	15.49	14.87	14.50	14.85	14.33	14.46	13.71
FL1		Sm³	12	10	120	9	9	42	209	1,613	1,603	1,573	2,179	1,840	2,092	2,223	2,101	2,346	2,904	3,046
TMP		℃	0	1	8.82	8.80	8.82	9.21	21.58	31.40	39.75	42.81	44.09	44.66	44.94	46.56	48.33	49.48	51.83	54.82
TM1		℃	0	1	57.03	56.91	56.52	55.94	131.43	449.68	480.03	501.75	502.28	491.03	550.87	583.69	582.73	599.62	639.58	682.33
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 1일 굴뚝별 트랜드

					12-01 00:00	12-01 00:30	12-01 01:00	12-01 01:30	12-01 02:00	12-01 02:30	12-01 03:00	12-01 03:30	12-01 04:00	12-01 04:30	12-01 05:00	12-01 05:30	12-01 06:00	12-01 06:30	12-01 07:00	12-01 07:30
TSP	20	mg/Sm³	12	1	0.34	0.43	0.46	0.49	0.52	0.63	0.87	0.99	0.89	0.52	0.51	0.52	0.58	0.60	0.61	0.67
SOx	30	ppm	12	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.30	14.18	5.68	0.10	2.43	2.04	0.00
NOx	70	ppm	12	1	43.51	47.31	46.81	46.67	46.60	41.48	29.66	19.70	11.44	18.14	40.48	6.06	4.13	5.25	12.15	14.85
HCl	15	ppm	12	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.15	0.48	9.94	4.88	5.21	5.43	9.05	3.49
CO	50	ppm	12	1	2.64	5.50	4.55	3.66	3.03	3.13	4.93	5.17	3.58	102.55	27.33	46.58	2.61	17.11	1.20	1.04
O_2		%	0	0.1	15.49	14.77	14.69	14.61	14.54	14.48	14.98	14.98	16.04	7.16	7.13	5.84	6.74	6.36	6.37	7.28
FL1		Sm³	12	10	3,520	2,974	2,977	2,977	2,981	3,071	2,988	2,944	3,473	7,879	9,985	11,034	9,903	11,511	12,793	12,586
TMP		℃	0	1	57.36	60.27	64.46	68.96	73.70	85.76	106.85	121.22	129.54	134.14	148.99	160.28	169.59	175.26	181.34	183.48
TM1		℃	0	1	670.73	651.53	656.33	661.35	669.28	682.87	672.65	674.23	689.65	948.07	1,040.56	1,059.53	1,001.89	1,019.97	1,069.15	1,027.79
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

					12-01 08:00	12-01 08:30	12-01 09:00	12-01 09:30	12-01 10:00	12-01 10:30	12-01 11:00	12-01 11:30	12-01 12:00	12-01 12:30	12-01 13:00	12-01 13:30	12-01 14:00	12-01 14:30	12-01 15:00	12-01 15:30
TSP	20	mg/Sm³	12	1	0.83	0.66	0.66	0.62	0.65	0.64	0.61	0.59	0.81	0.68	0.63	0.67	0.59	0.66	0.65	0.59
SOx	30	ppm	12	1	0.00	0.00	0.00	0.57	5.32	0.02	0.05	0.00	0.00	0.00	0.00	0.20	1.21	0.60	0.00	2.77
NOx	70	ppm	12	1	24.22	21.16	19.52	21.83	14.52	17.23	17.19	10.06	15.56	12.37	14.98	12.64	13.69	15.74	15.20	16.89
HCl	15	ppm	12	1	3.47	2.63	2.40	1.95	4.59	1.64	1.93	1.25	0.98	0.15	0.03	0.01	0.00	0.64	0.13	0.38
CO	50	ppm	12	1	1.01	0.62	0.67	6.05	21.10	15.93	8.14	0.75	0.87	1.06	0.83	12.93	27.17	7.96	0.85	5.92
O_2		%	0	0.1	9.80	7.02	7.34	6.32	6.67	6.34	5.85	5.80	9.28	7.50	6.65	6.93	4.55	6.84	6.86	5.12
FL1		Sm³	12	10	11,100	13,859	13,584	14,751	14,266	15,003	15,272	14,695	11,587	14,379	14,848	14,869	17,887	14,734	14,956	16,998
TMP		℃	0	1	183.98	184.00	183.92	184.10	184.76	185.37	186.35	186.03	185.57	186.45	187.00	187.57	188.59	189.34	188.61	188.45
TM1		℃	0	1	1,065.89	1,068.23	1,045.82	1,084.85	1,042.47	1,053.74	1,068.53	1,044.58	1,020.17	981.55	1,012.55	1,000.50	1,086.19	1,022.09	1,007.01	1,071.08
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

					12-01 16:00	12-01 16:30	12-01 17:00	12-01 17:30	12-01 18:00	12-01 18:30	12-01 19:00	12-01 19:30	12-01 20:00	12-01 20:30	12-01 21:00	12-01 21:30	12-01 22:00	12-01 22:30	12-01 23:00	12-01 23:30
TSP	20	mg/Sm³	12	1	0.86	0.65	0.62	0.64	0.67	0.68	0.67	0.63	0.88	0.68	0.66	0.67	0.66	0.68	0.64	0.70
SOx	30	ppm	12	1	0.00	0.03	1.01	1.15	1.91	0.47	0.22	0.00	0.00	0.00	5.45	0.00	0.00	0.00	1.26	0.00
NOx	70	ppm	12	1	20.47	15.66	16.97	19.84	21.81	20.88	18.74	19.72	28.29	20.89	20.19	24.14	22.24	17.26	21.13	19.44
HCl	15	ppm	12	1	3.67	0.00	0.32	0.89	2.86	4.78	3.60	2.20	4.84	0.23	0.87	0.80	0.47	1.07	1.19	2.36
CO	50	ppm	12	1	6.01	0.99	9.60	2.10	4.69	0.65	2.33	0.42	0.71	0.78	23.47	0.81	0.80	0.94	0.67	0.86
O_2		%	0	0.1	10.43	6.66	5.89	6.07	7.00	7.24	7.08	6.33	10.17	7.40	6.65	7.24	7.00	7.51	6.27	7.61
FL1		Sm³	12	10	11,670	15,183	16,101	15,847	14,659	14,416	14,427	15,172	10,967	14,020	14,875	14,187	14,596	13,939	15,417	13,918
TMP		℃	0	1	188.86	188.72	188.93	189.15	188.49	188.40	188.22	187.99	187.82	187.39	187.24	187.43	187.51	187.52	187.57	187.81
TM1		℃	0	1	995.11	1,012.79	1,042.99	1,053.69	1,050.46	1,042.14	1,029.95	1,054.94	1,034.14	1,008.70	1,048.25	1,030.99	1,026.81	995.07	1,053.47	1,005.27
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

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	0.90	0.70	0.67	0.73	0.67	0.68	0.63	0.68	0.83	0.68	0.72	0.71	0.68	0.68	0.71	0.61
SOx	30	ppm	12	1	0.00	0.00	0.00	0.00	0.00	0.00	0.69	0.00	1.12	2.41	0.00	0.00	0.00	0.00	0.00	6.79
NOx	70	ppm	12	1	24.02	23.40	16.80	20.17	18.19	21.16	20.69	21.59	24.35	14.91	20.29	18.43	20.74	19.10	18.12	18.76
HCl	15	ppm	12	1	4.85	0.00	0.00	0.00	0.23	0.76	0.19	0.73	5.21	2.85	1.19	2.15	1.17	0.40	0.00	0.00
CO	50	ppm	12	1	1.87	0.90	0.66	0.88	0.68	0.66	0.36	0.60	0.80	0.74	0.72	0.83	0.61	0.62	0.72	30.66
O_2		%	0	0.1	11.12	7.63	6.78	7.98	7.16	7.18	5.97	7.21	9.28	7.21	7.94	8.02	7.30	7.33	7.84	5.57
FL1		Sm³	12	10	10,813	13,864	14,728	13,253	14,191	14,307	15,649	14,281	12,561	14,319	13,493	13,078	14,113	14,088	13,441	16,006
TMP		℃	0	1	187.33	186.64	186.73	186.84	186.19	186.49	187.50	187.58	187.07	187.60	187.17	186.27	186.21	186.67	186.52	186.51
TM1		℃	0	1	970.91	998.51	1,030.33	992.31	1,032.19	1,026.11	1,072.94	1,037.85	1,047.33	1,016.86	1,008.19	1,007.39	1,026.28	1,027.67	1,002.13	1,092.83
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

					12-02 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	0.86	0.68	0.73	0.61	0.62	0.63	0.67	0.65	0.81	0.62	0.62	0.63	0.62	0.64	0.63	0.61
SOx	30	ppm	12	1	0.00	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.65	0.00	0.00	0.15	0.00	0.00	0.00	0.17
NOx	70	ppm	12	1	25.30	13.63	12.64	19.95	18.21	17.76	16.90	16.89	27.27	17.95	20.27	18.28	17.34	10.87	11.76	14.09
HCl	15	ppm	12	1	1.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.76	0.27	0.20	0.00	0.00
CO	50	ppm	12	1	0.81	0.71	1.18	0.46	0.41	0.41	0.55	0.45	0.53	0.54	0.30	0.33	0.41	0.61	0.68	0.48
O_2		%	0	0.1	9.68	7.34	8.35	6.17	6.09	6.22	6.72	6.83	8.57	6.57	6.64	6.98	6.87	7.22	7.09	6.73
FL1		Sm³	12	10	11,939	13,990	12,832	15,308	15,711	15,452	14,837	14,542	12,219	14,719	14,578	13,752	14,335	13,934	14,064	14,278
TMP		℃	0	1	186.55	186.47	185.65	184.54	186.16	187.26	187.02	187.14	187.61	187.72	187.45	186.85	186.87	186.97	187.06	187.02
TM1		℃	0	1	1,041.03	1,016.24	960.45	1,054.61	1,055.91	1,055.13	1,022.90	1,028.53	1,098.18	1,050.81	1,047.97	1,059.07	1,046.59	1,002.87	998.59	1,024.01
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

					12-02 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	0.82	0.57	0.58	0.61	0.60	0.74	0.62	0.67	0.78	0.59	0.65	0.67	0.57	0.58	0.59	0.57
SOx	30	ppm	12	1	0.00	1.50	0.00	0.00	0.00	0.29	1.29	0.00	1.18	0.66	3.58	1.39	10.62	0.00	0.03	3.78
NOx	70	ppm	12	1	14.22	18.39	15.21	10.53	12.90	13.45	11.51	11.63	15.89	11.35	8.67	10.77	8.05	12.25	14.11	12.20
HCl	15	ppm	12	1	0.31	0.00	0.00	0.00	0.15	2.31	2.08	0.87	0.91	0.40	1.35	0.26	2.93	1.58	0.42	2.21
CO	50	ppm	12	1	1.18	0.23	0.32	0.56	0.47	1.12	0.69	0.93	1.07	11.26	4.82	1.83	14.89	7.72	0.42	34.39
O_2		%	0	0.1	11.04	5.50	5.90	6.94	6.57	8.81	6.97	7.63	8.54	5.72	7.07	7.53	5.42	6.00	5.86	5.68
FL1		Sm³	12	10	11,405	15,773	14,710	13,514	14,086	12,212	13,917	13,273	12,899	15,839	13,899	13,759	15,423	14,169	14,729	14,799
TMP		℃	0	1	186.32	186.10	186.97	185.94	185.50	186.00	186.33	186.62	186.15	187.12	187.78	186.22	186.30	186.72	186.25	186.55
TM1		℃	0	1	963.80	1,083.10	1,060.83	1,016.25	1,025.36	974.07	1,015.32	988.36	1,031.07	1,056.14	1,004.47	969.94	1,053.15	1,064.67	1,058.23	1,081.89
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