

### 耐斯特炭黑-尾气1号\_小时数据

时间	二氧化硫			氮氧化物			烟尘			氧气 (%)	废气排放量 (m3/h)	流速 ()	烟气温度 (℃)	烟气压力 (百帕)	烟气湿度 (%RH)	垃圾焚烧炉平均温度 (℃)	DCS温度 (℃)
	实测浓度 (mg/M3)	折算浓度 (mg/M3)	排放量 (kg)	实测浓度 (mg/M3)	折算浓度 (mg/M3)	排放量 (kg)	实测浓度 (mg/M3)	折算浓度 (mg/M3)	排放量 (kg)								
2018-11-26 00	4.29	7.58	0.43	85.8	152	8.6	0.05	0.08	0	11.1	100263	6.9	70.9	-10.5	28.1		
2018-11-26 01	3.57	6.31	0.36	101	178	10.1	0.39	0.69	0.04	11.1	100326	6.92	71.1	-11.55	28.2		
2018-11-26 02	3.19	5.44	0.32	100	171	10.1	0.3	0.52	0.03	10.7	100570	6.93	70.9	-12.07	28.2		
2018-11-26 03	3.03	5.13	0.31	93.4	158	9.46	0.26	0.44	0.03	10.7	101280	6.92	70.6	-11.71	27.6		
2018-11-26 04	3.18	5.4	0.32	94.6	161	9.6	0.17	0.29	0.02	10.7	101461	6.93	70.5	-16.73	27.6		
2018-11-26 05	5.03	8.45	0.51	94.3	159	9.59	0.09	0.15	0.01	10.6	101748	6.86	69.7	-8.74	26.8		
2018-11-26 06	6.81	11.8	0.7	91.2	159	9.38	0.28	0.49	0.03	11	102852	6.96	70	-14.76	27		
2018-11-26 07	3.46	6.24	0.35	85.6	155	8.7	0.26	0.47	0.03	11.3	101592	6.93	70.4	-14.03	27.6		
2018-11-26 08	3.25	5.74	0.32	90.3	160	8.95	0.47	0.84	0.05	11.1	99109	6.9	70.5	-5.38	29		
2018-11-26 09	3.05	5.47	0.3	86.8	155	8.45	0.61	1.09	0.06	11.2	97364	6.86	70.7	-8.68	29.8		
2018-11-26 10	2.9	5.12	0.28	80.5	142	7.89	0.38	0.68	0.04	11.1	98087	6.84	70.6	-9.39	29.1		
2018-11-26 11	2.83	4.84	0.28	75.6	129	7.53	0.33	0.56	0.03	10.8	99619	6.91	71	-18.17	28.6		
2018-11-26 12	3.52	6.05	0.35	74	127	7.37	0.22	0.39	0.02	10.8	99658	6.89	70.9	-17.24	28.4		
2018-11-26 13	2.85	4.83	0.28	73.2	124	7.26	0.33	0.56	0.03	10.7	99175	6.91	71.2	-11.8	28.9		
2018-11-26 14	2.38	4.11	0.23	47.9	82.7	4.56	0.83	1.44	0.08	10.9	95159	6.88	71.4	-18.33	31.4		
2018-11-26 15	2.08	3.45	0.2	31.1	51.5	3.05	0.42	0.7	0.04	10.4	97934	6.87	71.4	-19.52	29.4		
2018-11-26 16	2.93	4.83	0.29	67.6	111	6.65	0.26	0.43	0.03	10.4	98309	6.87	71.3	-17.46	29		
2018-11-26 17	3.42	5.49	0.34	76.5	122	7.52	0.41	0.65	0.04	10.1	98352	6.83	71.1	-9.55	28.7		
2018-11-26 18	2.71	4.47	0.27	71.7	118	7.05	0.28	0.46	0.03	10.4	98357	6.85	71.2	-2.73	28.8		
2018-11-26 19	2.68	4.28	0.27	74.5	119	7.36	0.38	0.61	0.04	10	98893	6.8	70.9	1.79	28		
2018-11-26 20	2.56	4.04	0.26	72.3	114	7.28	0.26	0.41	0.03	9.92	100614	6.79	70.4	11.8	26.7		
2018-11-26 21	2.56	3.96	0.26	70.9	110	7.09	0.32	0.49	0.03	9.68	100036	6.79	70.6	8.37	27.1		
2018-11-26 22	2.45	3.8	0.24	67.4	104	6.68	0.69	1.08	0.07	9.71	99239	6.62	69.3	-2.76	26.1		
2018-11-26 23	2.66	4.1	0.27	74.6	115	7.45	0.9	1.38	0.09	9.65	99835	6.84	71.2	-4.86	27.7		
2018-11-27 00	3.7	5.77	0.37	77.5	121	7.72	0.4	0.63	0.04	9.79	99596	6.85	71	-4.53	28		
2018-11-27 01	3.29	5.18	0.33	75.6	119	7.58	0.6	0.95	0.06	9.86	100216	6.8	70.2	-3.18	27.2		

2018-11-27 02	2.65	4.18	0.27	73.3	116	7.36	0.47	0.74	0.05	9.91	100380	6.83	70.4	-0.39	27.3		
2018-11-27 03	2.53	4.04	0.26	69.6	111	7	0.35	0.56	0.04	10	100651	6.86	70.6	0.05	27.4		
2018-11-27 04	2.57	4.12	0.26	73.9	118	7.46	0.65	1.04	0.07	10.1	100879	6.87	70.6	-1.66	27.4		
2018-11-27 05	2.58	4.08	0.26	71.8	113	7.28	0.25	0.39	0.03	9.92	101444	6.88	70.3	-7.6	27.1		
2018-11-27 06	3.42	5.48	0.34	72.3	116	7.28	0.37	0.59	0.04	10.1	100690	6.87	70.4	-6.57	27.5		
2018-11-27 07	4.14	6.79	0.41	75.7	124	7.59	0.39	0.63	0.04	10.3	100271	6.81	70	-7.59	27.3		
2018-11-27 08	3.09	4.94	0.31	76.3	122	7.61	0.49	0.77	0.05	10	99797	6.82	70.6	-7.37	27.7		
2018-11-27 09	4.39	7.22	0.44	79.6	130	7.92	0.81	1.31	0.08	10.2	99430	6.89	71	-7.38	28.6		
2018-11-27 10	4.11	7.62	0.41	103	192	10.3	0.97	1.81	0.1	11.6	99800	6.94	71.2	-5.24	28.7		
2018-11-27 11	3.75	6.57	0.37	65	115	6.46	0.56	0.98	0.06	11	99351	6.85	70.7	-5.23	28.2		
2018-11-27 12	5.73	9.59	0.57	94.6	158	9.43	0.85	1.41	0.08	10.5	99645	6.82	70.4	-0.21	27.7		
2018-11-27 13	3.11	5.18	0.31	93.6	156	9.33	0.57	0.95	0.06	10.5	99706	6.82	70.4	-4.76	27.7		
2018-11-27 14	2.54	4.11	0.24	68.8	111	6.63	0.94	1.54	0.09	10.1	96372	6.58	70.3	-4.33	27.6		
2018-11-27 15	2.54	4.01	0.25	60.7	96	5.9	2.53	4.06	0.25	9.85	97210	6.77	71	-12.77	28.9		
2018-11-27 16	3.18	5.42	0.31	41.7	70.8	4.1	1.21	2.12	0.12	10.7	98274	6.75	70.2	-13.61	28.1		
2018-11-27 17	4.85	8.17	0.48	77.4	130	7.67	1.42	2.39	0.14	10.6	99195	6.68	69.4	-11.85	26.9		
2018-11-27 18	3.27	5.62	0.32	93	160	9.12	0.95	1.64	0.09	10.8	98035	6.71	70.4	-12.12	27.8		
2018-11-27 19	3.14	5.36	0.31	86.3	147	8.61	0.7	1.22	0.07	10.7	99694	6.88	71.2	-12.68	28.2		
2018-11-27 20	3.69	6.53	0.38	89.5	158	9.12	0.79	1.39	0.08	11.1	101942	6.94	70.8	-12.03	27.4		
2018-11-27 21	3.51	6.09	0.36	85.4	148	8.71	0.39	0.68	0.04	10.9	102009	6.87	70.3	-11.77	26.6		
2018-11-27 22	2.82	4.94	0.29	85.1	149	8.72	0.52	0.91	0.05	11	102520	6.97	70.7	-15.2	27.2		
2018-11-27 23	2.81	4.97	0.29	87.8	155	8.98	0.16	0.28	0.02	11.1	102376	6.98	70.6	-15.18	27.4		
2018-11-28 00	2.76	4.86	0.28	87.6	154	8.99	0.11	0.2	0.01	11	102554	6.94	70.1	-14.93	27		
2018-11-28 01	2.81	4.88	0.29	88.8	154	9.05	0.4	0.7	0.04	10.9	101914	6.96	70.7	-14.56	27.6		
2018-11-28 02	2.91	5.17	0.3	89.1	158	9.1	0.39	0.7	0.04	11.2	102057	6.98	70.5	-12.08	27.7		
2018-11-28 03	3.17	5.71	0.32	88.9	160	9.1	0.25	0.46	0.03	11.3	102371	6.95	70.3	-8.36	27.2		
2018-11-28 04	2.85	5.25	0.29	88.8	164	9.08	0.36	0.66	0.04	11.5	102224	6.94	70.2	-11.4	27.3		
2018-11-28 05	2.76	4.94	0.28	87.9	158	8.91	0.88	1.57	0.09	11.2	101394	6.94	70.7	-13.07	27.8		
2018-11-28 06	2.73	5.06	0.28	87.2	162	8.86	0.32	0.6	0.03	11.5	101532	6.93	70.3	-9.5	27.6		
2018-11-28 07	2.72	5.03	0.28	86.7	160	8.82	0.21	0.39	0.02	11.5	101681	6.95	70.3	5.24	27.7		
2018-11-28 08	2.61	4.79	0.26	78.3	144	7.87	0.57	1.04	0.06	11.5	100582	6.92	70.5	7.16	28.1		
2018-11-28 09	2.67	5.36	0.27	78.2	159	7.86	0.55	1.1	0.05	11.9	100475	6.92	70.8	7.54	28.2		
2018-11-28 10	3.68	6.38	0.44	57	100	6.89	0.63	1.05	0.08	10.4	120807	6.85	69.2	3.45	13		

2018-11-28 11	2.85	4.97	0.3	80.2	140	8.54	0.22	0.39	0.02	11	106418	6.97	70.5	-3.66	24.6		
2018-11-28 12	2.71	4.71	0.28	81	141	8.48	0.19	0.34	0.02	10.9	104657	6.87	69.9	-3.92	24.8		
2018-11-28 13	1.84	3.21	0.19	24.9	43.9	2.59	0.62	1.1	0.06	11	104098	6.96	70.6	-9.81	26		
2018-11-28 14	1.73	3.05	0.18	20	35.1	2.07	1.09	1.93	0.11	11	103448	6.87	70.3	-9.64	25.6		
2018-11-28 15	1.74	3	0.18	18.8	32.5	1.93	0.62	1.08	0.06	10.9	102547	6.97	71.3	-9.24	27.1		
2018-11-28 16	1.74	3.17	0.18	16.7	30.3	1.73	0.86	1.58	0.09	11.4	103333	7.02	71.2	-11.24	27		
2018-11-28 17	1.67	3.05	0.17	14.3	26.1	1.48	0.89	1.63	0.09	11.4	103174	6.93	70.8	-9.15	26.4		
2018-11-28 18	1.81	3.29	0.19	21.8	39.6	2.26	1.08	1.96	0.11	11.4	103460	6.98	71.2	-7.06	26.6		
2018-11-28 19	1.87	3.5	0.2	22.1	41.3	2.31	0.75	1.4	0.08	11.6	104335	7	71.1	-6.63	26.2		
2018-11-28 20	1.96	3.74	0.21	20.2	38.6	2.15	1.41	2.7	0.15	11.8	106779	6.98	70.2	-5.47	24.4		
2018-11-28 21	2.38	4.5	0.25	22	41.7	2.31	0.13	0.25	0.01	11.7	104766	7.04	71.7	-4.61	26.2		
2018-11-28 22	3.06	5.62	0.32	21.8	40	2.25	0.3	0.55	0.03	11.4	103142	6.93	71.6	-1.03	26.2		
2018-11-28 23	4.3	7.85	0.45	20.8	37.9	2.16	0.17	0.3	0.02	11.4	103689	6.93	71.3	3.21	25.9		
2018-11-29 00	3.48	6.58	0.37	21.3	40	2.24	0.42	0.79	0.04	11.7	105513	6.94	70.5	-0.46	24.9		
2018-11-29 01	2.31	4.16	0.24	18.1	32.5	1.91	0.65	1.18	0.07	11.3	105809	6.98	70.8	-2.75	25		
2018-11-29 02	2.22	4.09	0.23	19.2	35.5	2.03	0.31	0.57	0.03	11.5	105584	7.03	71.1	-0.37	25.6		
2018-11-29 03	2.59	4.69	0.27	17.3	31.4	1.84	0.25	0.45	0.03	11.3	106150	7.02	70.9	-2.77	25.2		
2018-11-29 04	5.34	9.78	0.57	17.1	31.2	1.81	0.28	0.52	0.03	11.4	105882	7.02	71	-1.96	25.3		
2018-11-29 05	11.3	21.5	1.2	21.1	40.2	2.23	0.2	0.38	0.02	11.8	105878	7.02	70.9	1.86	25.4		
2018-11-29 06	3.44	6.61	0.37	32.7	62.8	3.46	0.11	0.2	0.01	11.9	106054	6.95	70.3	3.71	24.6		
2018-11-29 07	2.02	4.04	0.22	18.2	36.3	1.94	0.45	0.91	0.05	12.2	106781	7.05	70.7	3.29	25.1		
2018-11-29 08	1.86	3.9	0.19	18.1	38	1.89	0.3	0.62	0.03	12.6	104248	7.05	70.7	-1.05	26.8		
2018-11-29 09	1.85	3.67	0.19	22.4	44.4	2.34	0.3	0.6	0.03	12.2	104569	6.99	71	-1.27	25.9		
2018-11-29 10	1.78	3.88	0.19	20.1	43.8	2.1	0.76	1.67	0.08	13	104896	6.99	70.6	-0.56	25.7		
2018-11-29 11	1.88	4.27	0.2	26	58.9	2.69	0.58	1.32	0.06	13.3	103612	7.01	70.8	-4.58	26.8		
2018-11-29 12	1.88	4.02	0.2	22.8	48.5	2.38	0.45	0.98	0.05	12.8	104430	7.03	70.9	-6.24	26.4		
2018-11-29 13	2.16	4.52	0.23	24.8	51.8	2.59	0.56	1.16	0.06	12.6	104496	7.04	71.3	-6.72	26.5		
2018-11-29 14	3.26	6.39	0.34	22.1	43.4	2.3	0.27	0.54	0.03	12.1	104002	7.01	71.2	-8.19	26.5		
2018-11-29 15	2.8	5.39	0.29	21.2	40.9	2.22	0.33	0.64	0.03	11.9	104705	7	70.8	-5.99	26		
2018-11-29 16	2.17	4.18	0.23	25.2	48.6	2.63	0.58	1.11	0.06	11.9	104385	7.03	71.1	-4.64	26.4		
2018-11-29 17	2.32	4.55	0.24	37.2	72.9	3.86	0.74	1.46	0.08	12.1	103958	7.06	71.3	-1.98	27.1		
2018-11-29 18	3.6	6.92	0.37	77.6	149	8.08	0.58	1.11	0.06	11.9	104097	7.07	71.4	-3.02	27.1		
2018-11-29 19	3.58	6.84	0.38	76.9	147	8.13	0.54	1.03	0.06	11.8	105706	7.05	70.8	-3.73	25.8		

2018-11-29 20	2.7	5.12	0.29	70.6	134	7.58	0.63	1.19	0.07	11.8	107323	6.99	70.3	-3.69	24.2		
2018-11-29 21	2.66	5.13	0.28	75.6	145	8.06	1.06	2.03	0.11	11.9	106634	7.09	71.3	-3.73	25.4		
2018-11-29 22	2.62	5.03	0.28	76	146	8.13	1.16	2.23	0.12	11.9	107060	7.11	71.1	-4.65	25.4		
2018-11-29 23	2.65	5.13	0.28	76.1	147	8.11	0.96	1.85	0.1	12	106563	7.01	70.5	-4.23	24.8		
2018-11-30 00	2.69	5.1	0.29	75.7	143	8.03	0.58	1.09	0.06	11.8	106021	7.05	71	-4.28	25.6		
2018-11-30 01	2.73	5.28	0.29	76.1	147	8.03	0.72	1.38	0.08	11.9	105514	6.94	69.9	2.02	25		
2018-11-30 02	2.75	5.39	0.29	74.3	146	7.77	0.39	0.77	0.04	12	104650	7.04	70.5	7.9	26.6		
2018-11-30 03	2.69	5.15	0.29	74.1	142	7.89	0.43	0.83	0.05	11.9	106578	7.05	70.6	11.9	25.3		
2018-11-30 04	2.67	5.2	0.28	73.4	143	7.83	0.45	0.88	0.05	12	106667	7.06	70.6	12	25.3		
2018-11-30 05	2.88	5.55	0.31	73.6	142	7.83	0.26	0.49	0.03	11.9	106329	7.07	70.4	15.7	25.6		
2018-11-30 06	3.02	5.87	0.32	74.9	145	7.89	0.6	1.15	0.06	12	105318	7.04	70.7	13.8	26		
2018-11-30 07	2.89	5.64	0.3	78.7	154	8.3	0.81	1.58	0.09	12	105472	7.04	70.8	11.7	25.8		
2018-11-30 08	4.23	8.4	0.45	69.6	135	7.41	2.27	4.57	0.24	12	106517	7.09	70.6	1.09	25.7		
2018-11-30 09	12.8	26.4	1.38	73.7	152	7.97	2.69	5.55	0.29	12.5	108117	7.12	69.8	-6.41	25		
2018-11-30 10	11.8	23.4	1.27	71	139	7.64	0.97	1.91	0.1	12.1	107535	7.12	70.4	-7.92	25.3		
2018-11-30 11	3.46	6.85	0.37	70.1	139	7.53	1.09	2.16	0.12	12.2	107356	7.13	70.8	-7.11	25.6		
2018-11-30 12	2.85	5.82	0.3	69.4	142	7.23	0.74	1.52	0.08	12.4	104141	7.11	70.8	-4.26	27.5		
2018-11-30 13	2.69	5.44	0.29	70.3	142	7.48	1.06	2.14	0.11	12.3	106411	7.07	70.7	1.84	25.6		
2018-11-30 14	2.7	5.82	0.29	70	151	7.48	1.23	2.66	0.13	12.9	106731	7.06	70.4	1.03	25.2		
2018-11-30 15	3.08	6.63	0.33	72.1	155	7.7	0.54	1.16	0.06	12.9	106781	7.03	70	-2.68	25		
2018-11-30 16	3.77	8.12	0.4	75.5	163	8.04	0.58	1.26	0.06	12.9	106506	6.95	69.5	-2.12	24.4		
2018-11-30 17	5.66	12.3	0.6	78.9	171	8.38	0.65	1.41	0.07	12.9	106111	7	70.2	-3.28	25.2		
2018-11-30 18	3.49	7.71	0.37	78	172	8.29	0.48	1.03	0.05	13.1	106287	6.94	69.5	-3.15	24.5		
2018-11-30 19	2.95	6.19	0.32	67.8	142	7.28	0.33	0.7	0.04	12.7	107397	6.96	69.6	-3.34	23.9		
2018-11-30 20	2.89	6.08	0.31	69.3	146	7.5	0.36	0.79	0.04	12.7	108233	7.03	70	-6.73	24		
2018-11-30 21	3.09	7.02	0.34	74	168	8.03	0.96	2.17	0.1	13.3	108587	7.02	69.7	-6.54	23.7		
2018-11-30 22	3.92	8.34	0.42	85.1	182	9.06	0.14	0.29	0.01	12.7	106464	6.92	70	-6.91	24.1		
2018-11-30 23	3.04	6.08	0.32	75	150	7.8	0.09	0.19	0.01	12.2	103961	6.76	69.9	-8.06	24.1		
2018-12-01 00	2.96	5.96	0.31	76.8	154	7.98	0.02	0.04	0	12.3	103847	6.85	70.7	-6.52	25		
2018-12-01 01	3.04	6.23	0.32	77.2	159	8.05	0.41	0.84	0.04	12.5	104239	6.93	71	-6.99	25.5		
2018-12-01 02	3.52	7.36	0.37	78.7	165	8.19	0.14	0.3	0.02	12.6	103997	6.9	71	-7.5	25.4		
2018-12-01 03	3.16	6.48	0.33	80.8	165	8.4	0.18	0.38	0.02	12.4	103924	6.87	70.7	-2.6	25.2		
2018-12-01 04	3.04	6.21	0.32	82	167	8.54	0.15	0.32	0.02	12.4	104247	6.9	70.7	-1.81	25.3		

2018-12-01 05	3.07	6.37	0.32	82.3	171	8.57	0.41	0.85	0.04	12.6	104195	6.86	70.5	-5.32	24.9		
2018-12-01 06	3.46	7.45	0.36	79.7	171	8.33	0.19	0.41	0.02	12.8	104544	6.86	70.3	-9.46	24.7		
2018-12-01 07	4.81	10	0.5	80.1	167	8.4	0.2	0.41	0.02	12.6	104793	6.87	70.3	-8.83	24.6		
2018-12-01 08	3.26	7.01	0.35	69.9	153	7.47	0.8	1.7	0.09	12.5	106797	6.92	70.6	-6.98	23.6		
2018-12-01 09	0.98	1.72	0.12	0.31	0.54	0.04	0.46	0.77	0.06	10.9	127527	6.28	69.3	-5.46	0.01		
2018-12-01 10	0.93	1.45	0.13	0.25	0.38	0.03	1.57	2.53	0.22	9.65	138280	6.82	69.6	-10.3	0.01		
2018-12-01 11	0.95	1.51	0.13	0.23	0.36	0.03	1.36	2.17	0.19	10	141112	6.97	70.2	-9.46	0.01		
2018-12-01 12	0.91	1.45	0.13	0.21	0.33	0.03	1.68	2.67	0.24	9.99	141907	7.02	70.7	-7.82	0.01		
2018-12-01 13	4.74	7.15	0.66	4.19	6.29	0.59	1.22	1.87	0.17	9.55	139923	6.94	70.6	-8.18	0.3		
2018-12-01 14	8.29	14.8	0.95	62	112	7.12	2.08	3.59	0.24	10.8	114863	6.88	71	-6.93	17.4		
2018-12-01 15	5.41	10.4	0.56	80.6	155	8.32	1.49	2.86	0.15	11.9	103290	6.96	71.2	-3.99	26.4		
2018-12-01 16	3.83	7.24	0.39	80.3	152	8.27	1.33	2.52	0.14	11.8	103037	6.97	71.3	-5.84	26.8		
2018-12-01 17	3.33	6.33	0.35	78.6	150	8.16	1.85	3.54	0.19	11.8	103786	6.98	70.8	-3.28	26.4		
2018-12-01 18	3.27	6.09	0.34	74.1	138	7.66	1.54	2.86	0.16	11.6	103313	6.95	70.8	1.48	26.4		
2018-12-01 19	3.62	6.73	0.37	75.6	141	7.79	1	1.85	0.1	11.6	103096	6.93	71	2.71	26.4		
2018-12-01 20	4.94	9.34	0.51	75.1	142	7.73	1.42	2.67	0.15	11.7	103048	6.93	71	0.06	26.4		
2018-12-01 21	4.47	8.61	0.46	81.3	156	8.32	1.38	2.66	0.14	11.9	102364	6.93	71.3	3.29	26.8		
2018-12-01 22	3.4	6.59	0.35	80.4	156	8.28	1.61	3.13	0.17	12	103019	6.96	71.3	8.42	26.7		
2018-12-01 23	3.71	7.25	0.38	79.8	156	8.24	1.91	3.73	0.2	12	103243	6.95	71.1	7.82	26.4		
2018-12-02 00	3.07	6.12	0.32	79	157	8.2	1.03	2.05	0.11	12.2	103864	6.97	71	3.93	26.2		
2018-12-02 01	2.99	5.95	0.31	79.6	159	8.29	1.42	2.82	0.15	12.2	104074	6.99	71.1	12.6	26.3		
2018-12-02 02	2.97	5.83	0.31	78.4	154	8.17	1.25	2.46	0.13	12.1	104216	6.98	71	10.3	26		
2018-12-02 03	3.12	6.17	0.32	76.8	152	7.9	1.25	2.47	0.13	12.2	102932	6.96	71.1	13	26.8		
2018-12-02 04	3.83	7.61	0.39	74.8	149	7.64	1.21	2.41	0.12	12.2	102157	6.97	71.2	11.7	27.4		
2018-12-02 05	4.66	9.15	0.48	75.4	148	7.82	1.2	2.37	0.13	12.1	103823	6.96	71	8.85	26.2		
2018-12-02 06	3.04	6.37	0.31	76.9	161	7.96	1.3	2.73	0.13	12.7	103558	6.96	71.1	14.3	26.3		
2018-12-02 07	2.86	5.75	0.3	77.7	156	8.04	1.02	2.07	0.11	12.3	103493	6.92	71	12.5	26		
2018-12-02 08	2.94	5.76	0.3	78.4	154	8.06	0.65	1.28	0.07	12.1	102813	6.92	71.2	11.4	26.4		
2018-12-02 09	3.17	6.21	0.32	79.2	155	8.1	0.83	1.63	0.09	12.1	102215	6.9	71.3	11.3	26.6		
2018-12-02 10	3.52	7.16	0.36	76	155	7.81	0.58	1.19	0.06	12.4	102783	6.89	71	3.12	26.1		
2018-12-02 11	3.15	6.45	0.32	77.9	159	7.94	1.16	2.36	0.12	12.4	101983	6.89	71.4	8.11	26.7		
2018-12-02 12	3.36	6.93	0.33	76.2	157	7.58	0.76	1.58	0.08	12.5	99416	6.89	71.4	8.45	28.5		
2018-12-02 13	3.96	7.81	0.4	76.2	150	7.79	0.53	1.05	0.05	12.1	102275	6.84	71	7.74	26		

2018-12-02 14	3.02	5.95	0.31	76.7	151	7.84	0.54	1.07	0.06	12.1	102269	6.9	71.3	0.14	26.6		
2018-12-02 15	2.85	5.52	0.29	74.1	144	7.57	0.98	1.91	0.1	12	102193	6.89	71.3	-2.71	26.5		
2018-12-02 16	2.96	5.78	0.3	80.2	157	8.13	1.15	2.25	0.12	12	101338	6.89	71.7	-2.23	27.1		
2018-12-02 17	3.02	5.37	0.31	75.5	134	7.68	0.6	1.07	0.06	11.2	101727	6.86	71.2	-2.23	26.5		
2018-12-02 18	3.4	6.15	0.35	71.9	130	7.4	0.38	0.68	0.04	11.3	102991	6.86	70.9	-2.21	25.6		
2018-12-02 19	4.61	8.45	0.48	68.8	126	7.14	0.47	0.86	0.05	11.4	103778	6.98	71.3	-2.7	26.4		
2018-12-02 20	3.77	6.86	0.4	67.9	124	7.13	0.54	0.97	0.06	11.4	104962	6.92	70.4	-2.17	25.1		
2018-12-02 21	3.13	5.89	0.32	72.2	136	7.37	0.86	1.63	0.09	11.7	102085	6.93	71	-2.96	27		
2018-12-02 22	3.26	6.08	0.33	74.8	139	7.67	1.42	2.66	0.15	11.6	102546	7.01	71.6	-2.37	27.5		
2018-12-02 23	3.85	7.16	0.4	74.1	138	7.72	1.72	3.18	0.18	11.6	104212	6.98	71	-0.63	26		
2018-12-03 00	5.16	9.45	0.54	73.9	135	7.72	1.36	2.5	0.14	11.4	104396	7.03	71.2	-1.96	26.4		
2018-12-03 01	3.3	6.05	0.35	75.2	138	7.86	1.34	2.46	0.14	11.4	104633	7	71	1.9	26		
2018-12-03 02	2.85	5.38	0.3	74.9	141	7.89	1.47	2.77	0.15	11.7	105278	7.02	70.9	5.6	25.7		
2018-12-03 03	2.73	4.97	0.29	71.2	130	7.5	1.31	2.38	0.14	11.4	105307	7.04	70.9	4.17	25.9		
2018-12-03 04	2.67	4.85	0.28	70.3	128	7.43	1.17	2.11	0.12	11.4	105653	7.03	70.7	4.2	25.6		
2018-12-03 05	2.82	4.99	0.29	74.6	132	7.79	1.38	2.44	0.14	11.1	104454	7.02	71.3	1.62	26.2		
2018-12-03 06	2.95	5.31	0.31	73.7	132	7.7	1.57	2.83	0.16	11.3	104492	7.05	71.3	1.42	26.6		
2018-12-03 07	3.43	6.24	0.36	75.8	138	7.93	1.64	3	0.17	11.4	104686	7.03	70.9	3.44	26.3		
2018-12-03 08	4.53	8.06	0.47	77.5	138	8.1	1.52	2.71	0.16	11.2	104605	6.97	70.5	3.53	25.8		
2018-12-03 09	3.44	5.89	0.35	81	138	8.24	2.49	4.27	0.25	10.8	101740	6.88	71.3	4.51	26.8		
2018-12-03 10	2.89	4.97	0.3	77.3	133	7.99	1.62	2.78	0.17	10.8	103290	6.92	70.8	9.25	26.2		
2018-12-03 11	2.85	5.06	0.29	80.7	143	8.29	1.61	2.84	0.17	11.1	102727	6.91	71.2	12.6	26.3		
2018-12-03 12	2.78	5.26	0.29	79.1	150	8.19	0.88	1.66	0.09	11.7	103519	6.97	71.3	14.1	26.4		
2018-12-03 13	2.83	5.33	0.28	81	153	8.15	0.93	1.76	0.09	11.7	100552	6.9	71.3	8.14	27.8		
2018-12-03 14	3.08	5.69	0.31	79.1	146	8.04	1.05	1.94	0.11	11.5	101635	6.88	71.2	13.7	26.9		
2018-12-03 15	3.82	7	0.39	73	134	7.52	0.53	0.97	0.05	11.5	102955	6.93	71	10.4	26.4		
2018-12-03 16	4.25	8.08	0.44	74.2	141	7.71	1.09	2.06	0.11	11.8	103897	6.98	71	3.08	26.4		
2018-12-03 17	2.99	5.72	0.31	75.5	144	7.87	0.82	1.56	0.09	11.8	104145	7.03	71	5.03	26.6		
2018-12-03 18	2.73	5.03	0.29	72	133	7.57	0.18	0.34	0.02	11.5	105205	6.99	70.4	0.65	25.6		
2018-12-03 19	2.71	5.11	0.29	70.8	133	7.5	0.27	0.5	0.03	11.7	105989	7.06	70.7	1.32	25.7		
2018-12-03 20	2.84	5.37	0.3	70.9	134	7.54	1.35	2.57	0.14	11.7	106365	7.09	71.1	3.15	25.7		
2018-12-03 21	3.8	7.09	0.4	77	144	8.2	1.13	2.11	0.12	11.6	106431	7.03	70.9	3.65	25.1		
2018-12-03 22	4.57	8.41	0.48	77.4	143	8.11	0.67	1.23	0.07	11.5	104811	6.96	71.2	4.27	25.4		

2018-12-03 23	3.2	5.86	0.33	76.5	140	7.96	0.6	1.1	0.06	11.4	104024	6.95	71.3	2.97	25.8		
2018-12-04 00	2.97	5.37	0.31	76.4	138	7.91	0.74	1.33	0.08	11.3	103533	6.95	71.5	-1.49	26.2		
2018-12-04 01	3.11	5.66	0.32	75.3	137	7.75	0.85	1.56	0.09	11.4	102847	6.96	71.6	-0.93	26.7		
2018-12-04 02	4.18	7.89	0.43	77.9	148	7.93	0.82	1.57	0.08	11.8	101865	6.98	71.6	-0.91	27.6		
2018-12-04 03	3.7	6.91	0.39	70.7	132	7.39	1.42	2.71	0.15	11.6	104585	6.99	71.4	-1.48	25.8		
2018-12-04 04	2.72	5.24	0.29	66	127	6.97	1.89	3.7	0.2	11.9	105592	7.04	71.4	-1.09	25.6		
2018-12-04 05	2.79	5.33	0.29	77.5	148	8.08	0.8	1.53	0.08	11.8	104176	7.01	71.6	2.89	26.3		
2018-12-04 06	2.78	5.19	0.28	78.5	146	7.95	0.67	1.23	0.07	11.6	101233	6.8	71.7	3.33	26.2		
2018-12-04 07	1.21	2.11	0.13	10.6	20.7	1.18	0.59	1	0.07	10.6	111522	5.65	70.5	8.01	2.46		
2018-12-04 08	0.97	1.66	0.11	0.21	0.36	0.02	0.46	0.77	0.05	10.8	113613	5.59	68.8	7.26	0.01		
2018-12-04 09	4.92	11.3	0.52	4	9.69	0.43	1.07	2.09	0.11	11.6	106161	5.66	70.8	6.71	7.15		
2018-12-04 10	3.76	10.2	0.35	33.2	91.9	3.09	0.88	2.25	0.08	14.1	93011	5.63	69.8	6.3	18.4		
2018-12-04 11	0.94	1.5	0.11	0.18	0.29	0.02	0.82	1.32	0.09	9.95	112737	5.57	70.3	4.06	0.01		
2018-12-04 12	0.91	1.32	0.1	0.15	0.22	0.02	1.51	2.18	0.17	8.91	112286	5.55	70.5	4.18	0.01		
2018-12-04 13	4.22	7.62	0.4	10.9	20.2	1.04	1.03	1.79	0.1	10.8	95667	5.45	69.6	1.05	13.5		
2018-12-04 14	2.98	5.61	0.25	16.9	31.9	1.4	1.17	2.2	0.1	11.7	83107	5.39	70.1	1.31	23.8		
2018-12-04 15	2.42	4.86	0.2	22.5	45.3	1.91	1.39	2.78	0.12	12.3	84715	5.57	70.3	-1.32	24.9		
2018-12-04 16	2.15	4.37	0.18	17.2	34.9	1.45	0.96	1.95	0.08	12.4	84586	5.48	69	6.63	24		
2018-12-04 17	2.3	5.86	0.22	30.8	79.5	2.95	0.71	1.84	0.07	13.9	95727	6.11	68.9	7.56	23		
2018-12-04 18	1.43	4.5	0.18	9.92	39.9	1.25	0.65	2.74	0.08	13.9	125566	6.62	65.8	5.71	6.74		
2018-12-04 19	4.94	12.4	0.54	24.9	64.3	2.74	0.25	0.62	0.03	13.6	110141	6.13	67.4	4.57	11.9		
2018-12-04 20	2.77	7.58	0.27	49.1	134	4.84	0.64	1.76	0.06	14.6	98423	6.11	68.1	3.24	21		
2018-12-04 21	3.03	8.23	0.29	62.5	170	6.04	0.7	1.91	0.07	14.6	96606	6.14	68.9	8.06	22.6		
2018-12-04 22	2.02	4.8	0.24	28.3	77.3	3.34	0.84	1.71	0.1	11.9	118127	6.18	68.7	2.06	6.04		
2018-12-04 23	4.67	9.52	0.51	21.1	44.7	2.3	1.21	2.45	0.13	12	108753	6.17	68.9	7.04	13.2		
2018-12-05 00	2.38	5.45	0.23	24.9	56.8	2.41	2.09	4.77	0.2	13.3	97004	6.19	69.2	0.86	22.8		
2018-12-05 01	2.14	4.81	0.2	24.2	54.5	2.32	0.73	1.64	0.07	13.2	95635	6.11	68.9	4.4	23		
2018-12-05 02	2.03	4.42	0.19	25.1	54.8	2.39	0.94	2.02	0.09	13	95424	6.11	68.9	7.93	23.1		
2018-12-05 03	2.18	4.92	0.21	16.7	37.6	1.59	1.05	2.36	0.1	13.2	95567	6.15	69.2	8.15	23.5		
2018-12-05 04	1.94	4.13	0.19	12.2	25.9	1.17	1.02	2.17	0.1	12.8	95968	6.15	68.9	3.98	23.2		
2018-12-05 05	2.31	4.99	0.22	19	40.9	1.8	1	2.16	0.09	12.9	94783	6.09	68.7	5.43	23.5		
2018-12-05 06	2.72	5.66	0.26	19.1	39.7	1.8	0.92	1.91	0.09	12.6	94124	6.05	69.2	12.9	23.4		
2018-12-05 07	3.25	7.12	0.32	23.4	51.4	2.31	0.24	0.52	0.02	13	98615	6.3	68.5	19.3	23.2		

2018-12-05 08	3.68	8.17	0.37	23.8	53	2.4	0.36	0.8	0.04	13.1	100562	6.36	67.9	17.4	22.5		
2018-12-05 09	2.75	6.3	0.33	23.1	55.2	2.78	0.64	1.45	0.08	12.5	120427	6.78	67.8	12.9	13.1		
2018-12-05 10	0.97	1.7	0.14	0.18	0.31	0.03	0.17	0.29	0.02	11	142879	7.02	68.5	5.34	0.01		
2018-12-05 11	0.95	1.66	0.14	0.16	0.27	0.02	0.05	0.08	0.01	11	143179	7.03	68.4	9.17	0.01		
2018-12-05 12	0.94	1.65	0.14	0.13	0.24	0.02	0.04	0.06	0.01	11	143696	7.06	68.3	9.42	0.01		
2018-12-05 13	1.47	2.65	0.21	8.42	15.5	1.2	0.4	0.72	0.06	11.1	143108	7.04	68.4	10.7	0.14		
2018-12-05 14	0.93	1.64	0.13	0.15	0.26	0.02	0.61	1.08	0.09	11.1	144446	7.1	68.4	8.93	0.01		
2018-12-05 15	0.97	1.71	0.14	1.62	2.88	0.23	0.48	0.84	0.07	11.1	144002	7.07	68	7.49	0.01		
2018-12-05 16	0.91	1.68	0.14	0.93	1.73	0.14	0.53	0.98	0.08	11.5	148244	7.27	67.6	18.5	0.01		
2018-12-05 17	3.9	5.82	0.44	37.6	59.7	4.26	0.53	0.73	0.06	7.62	113289	5.82	71.6	31.4	3.47		
2018-12-05 18	3.74	4.34	0.39	6.05	7.15	0.63	3.05	3.29	0.32	5.13	104487	5.57	73.6	18.9	6.45		
2018-12-05 19	5.65	6.83	0.46	48.7	59.4	3.96	0	0	0	6.6	81226	5.56	73.7	5.89	27		
2018-12-05 20	4.65	5.52	0.37	62	73.7	4.97	0	0	0	6.26	80090	5.55	73	8.71	28.1		
2018-12-05 21	4.63	5.91	0.38	61.9	79	5.07	0	0	0	7.28	81896	5.7	72.8	5.49	28.4		
2018-12-05 22	4.96	5.91	0.41	62.5	74.6	5.19	0	0	0	6.3	83065	5.83	73.6	6.24	29		
2018-12-05 23	4.83	5.91	0.39	70.1	85.6	5.7	0	0	0	6.67	81295	5.81	74.2	3.95	30		
2018-12-06 00	5.1	6.26	0.42	66.5	81.7	5.48	0	0	0	6.74	82315	5.86	74.1	-0.62	29.8		
2018-12-06 01	5.11	6.15	0.42	66	79.5	5.44	0	0	0	6.46	82427	5.86	74	-1.08	29.7		
2018-12-06 02	5.29	6.46	0.44	60.9	74.4	5.09	0	0	0	6.66	83598	5.92	73.8	-2.55	29.5		
2018-12-06 03	4.44	7.03	0.38	69.7	113	5.93	0	0	0	9.82	84985	5.93	73.5	8.11	28.6		
2018-12-06 04	3.98	5.1	0.34	54.8	70.4	4.72	0	0	0	7.33	85990	5.93	72.9	11	27.8		
2018-12-06 05	4.42	5.62	0.38	50.4	64.1	4.33	0	0	0	7.23	85846	5.97	73.1	13.7	28.3		
2018-12-06 06	4.52	5.74	0.39	54.3	69	4.7	0	0	0	7.21	86468	6	73.3	14.9	28.2		
2018-12-06 07	4.29	5.67	0.38	53.7	71	4.71	0.3	0.39	0.03	7.74	87796	6.08	73.1	16.5	28.1		
2018-12-06 08	4.05	5.38	0.36	52.6	69.8	4.64	2.84	3.79	0.25	7.78	88289	6.06	72.7	25.6	27.6		
2018-12-06 09	4.1	5.51	0.36	53.9	72.4	4.72	0	0	0	7.98	87521	6.11	73	21.7	28.6		
2018-12-06 10	3.89	5.35	0.34	53.4	73.6	4.63	0	0	0	8.25	86801	6.14	73	19.2	29.6		
2018-12-06 11	4.04	5.83	0.36	59	85.1	5.3	0	0	0	8.85	89855	6.18	72.5	28.1	27.7		
2018-12-06 12	4.13	5.73	0.37	56.9	78.9	5.09	0	0	0	8.38	89435	6.12	72.1	29	27.5		
2018-12-06 13	4.3	6.68	0.39	67.9	108	6.13	0	0	0	9.64	90266	6.13	72	28.4	26.9		
2018-12-06 14	13.3	17	1.38	49.2	71.5	5.14	0	0	0	7.09	104303	6.04	72.7	29.7	14.2		
2018-12-06 15	6.11	8.01	0.55	61.4	80.6	5.51	0	0	0	7.65	89813	6.07	72.8	38	26.4		
2018-12-06 16	4.37	5.82	0.39	58.9	78.6	5.29	0.61	0.82	0.05	7.89	89780	6.1	72.6	31.5	26.8		



2018-12-06 17	3.37	4.41	0.3	62.2	81.4	5.57	0.94	1.23	0.08	7.62	89546	6.12	72.8	28.8	27.2		
2018-12-06 18	2.92	3.73	0.26	60.2	76.8	5.41	0.98	1.25	0.09	7.3	89936	6.1	72.7	25.2	26.7		
2018-12-06 19	2.61	3.3	0.24	55.6	70.3	5.01	0.92	1.16	0.08	7.17	90120	6.07	72	19	26.2		
2018-12-06 20	2.65	3.39	0.24	61.7	79.1	5.57	1.15	1.48	0.1	7.34	90215	6.01	71.9	14.3	25.5		
2018-12-06 21	2.72	3.57	0.24	68.9	91.1	6.13	1.52	2.01	0.14	7.77	88991	6.09	72.9	17.1	27.3		
2018-12-06 22	2.73	3.6	0.24	66.7	88.1	5.97	1.71	2.26	0.15	7.74	89525	6.09	72.8	9.98	26.9		
2018-12-06 23	2.7	3.6	0.24	64.4	85.8	5.77	1.6	2.13	0.14	7.86	89595	6.08	72.6	10.1	26.7		
2018-12-07 00	2.72	3.7	0.24	68.8	93.8	6.16	1.53	2.09	0.14	8.16	89512	6.12	73.1	11.3	27.2		
平均值	3.29	5.93	0.334	59.4	108	6.01	0.741	1.36	0.0772	11.1	103072	6.73	70.8	1.18	24.1		
最大值	13.3	26.4	1.38	103	192	10.3	3.05	5.55	0.32	14.6	148244	7.27	74.2	38	31.4		
最小值	0.91	1.32	0.1	0.13	0.22	0.02	0	0	0	5.13	80090	5.39	65.8	-19.52	0.01		
累计值			88.5			1592			20.4		27314167						