

# INR18650-3.0Ah电池常温 (25±3°C) 循环数据--4.5A充电 / 10A放电

测试方法: 1.1 记录电池的内阻、电压;

1.2 以4.5A电流恒流充电至4.20V, 然后4.20V恒压充电, 电流降为100mA时充电结束, 搁置10min;

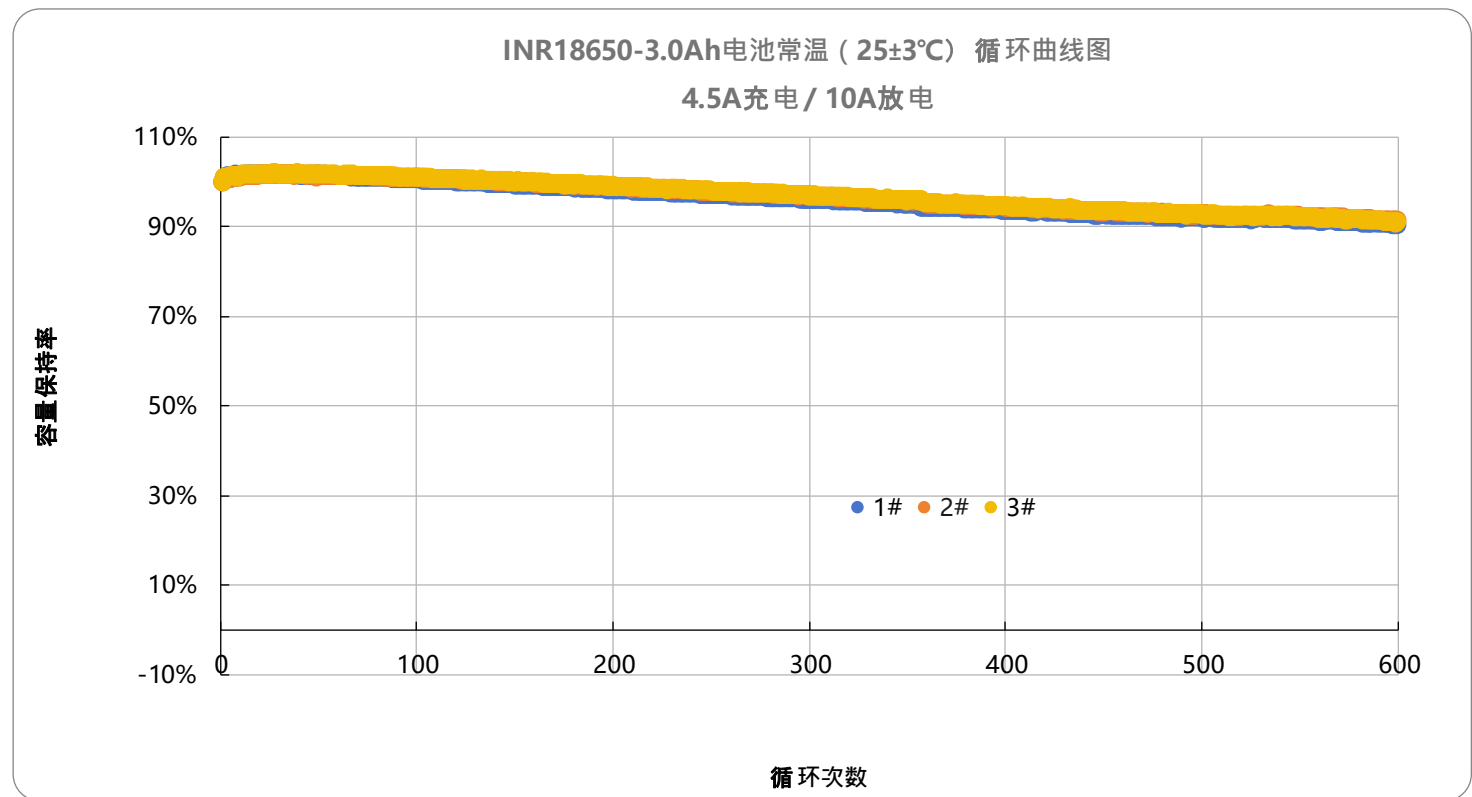
1.3 以10A电流恒流放电至2.5V, 搁置30min;

1.4 重复1.2-1.3操作的充放电工步601次.

数据汇总:

循环次数	1#		2#		3#	
	放电容量 mAh	容量保持率	放电容量 mAh	容量保持率	放电容量 mAh	容量保持率
1	2987.4	100.0%	2966.3	100.0%	2949.1	100.0%
2	3012.1	100.8%	2974.4	100.3%	2972.1	100.8%
3	3016.3	101.0%	2978.9	100.4%	2973.8	100.8%
4	3022.4	101.2%	2986.4	100.7%	2981.1	101.1%
5	3026.7	101.3%	2988.1	100.7%	2987.9	101.3%
6	3027.7	101.3%	2992.5	100.9%	2984.4	101.2%
7	3029.1	101.4%	2993.4	100.9%	2986	101.3%
8	3034	101.6%	3001.4	101.2%	2991.1	101.4%
9	3015.5	100.9%	2990.3	100.8%	2977.6	101.0%
10	3023	101.2%	2996.6	101.0%	2984.5	101.2%
11	3028.8	101.4%	3004.0	101.3%	2992.9	101.5%
12	3029.9	101.4%	3005.1	101.3%	2993.6	101.5%
13	3031.9	101.5%	3003.2	101.2%	2995.3	101.6%
14	3031.8	101.5%	3002.4	101.2%	2998.9	101.7%
15	3033.3	101.5%	3005.2	101.3%	2994.6	101.5%
16	3032.1	101.5%	3005.2	101.3%	2996.1	101.6%
17	3032.1	101.5%	3006.6	101.4%	2998.1	101.7%
18	3036	101.6%	3008.4	101.4%	2999.3	101.7%
19	3034.4	101.6%	3008.8	101.4%	2999.9	101.7%
20	3033.6	101.5%	3009.9	101.5%	2996.8	101.6%
21	3033	101.5%	3011.2	101.5%	3000.4	101.7%
22	3033.5	101.5%	3012.9	101.6%	3001.6	101.8%
23	3032.9	101.5%	3013.3	101.6%	3001.9	101.8%
24	3034.1	101.6%	3011.0	101.5%	3000.3	101.7%
25	3034.6	101.6%	3011.3	101.5%	2999.1	101.7%
26	3032.6	101.5%	3009.4	101.5%	3000.9	101.8%
27	3032.7	101.5%	3010.5	101.5%	3002.6	101.8%
28	3033.8	101.6%	3010.4	101.5%	3003.8	101.9%
29	3032.4	101.5%	3010.8	101.5%	2996.9	101.6%
30	3033	101.5%	3010.6	101.5%	2999.4	101.7%
31	3033.2	101.5%	3012.5	101.6%	3000.6	101.7%
32	3032.2	101.5%	3011.0	101.5%	2998.5	101.7%
33	3032.4	101.5%	3011.9	101.5%	3000.9	101.8%
34	3031.4	101.5%	3013.1	101.6%	3002.1	101.8%
35	3032.4	101.5%	3012.1	101.5%	3000.4	101.7%
36	3030.8	101.5%	3012.0	101.5%	2998.4	101.7%
37	3032.2	101.5%	3012.0	101.5%	3001.9	101.8%
38	3033.3	101.5%	3009.2	101.4%	3001.1	101.8%
39	3031.6	101.5%	3009.6	101.5%	3002.7	101.8%
40	3031.3	101.5%	3010.9	101.5%	3000.5	101.7%
41	3029.7	101.4%	3009.5	101.5%	3002.1	101.8%
42	3028.9	101.4%	3011.5	101.5%	2996.3	101.6%
43	3028.5	101.4%	3009.8	101.5%	3000.5	101.7%
44	3028	101.4%	3009.1	101.4%	2998.7	101.7%
45	3028.5	101.4%	3014.3	101.6%	2997.8	101.7%
46	3028.8	101.4%	3012.6	101.6%	3001	101.8%
47	3028.5	101.4%	3014.4	101.6%	2998.8	101.7%
48	3030	101.4%	3009.6	101.5%	2998.4	101.7%
49	3034.7	101.6%	2998.4	101.1%	3000.4	101.7%
50	3031.9	101.5%	3005.0	101.3%	3000.3	101.7%
51	3031.6	101.5%	3006.9	101.4%	2999.1	101.7%
52	3030.5	101.4%	3007.1	101.4%	2997.9	101.7%
53	3031.1	101.5%	3007.1	101.4%	2996.7	101.6%
54	3028.6	101.4%	3007.4	101.4%	2997.7	101.6%
55	3027.8	101.4%	3009.2	101.4%	2995.7	101.6%
56	3026.3	101.3%	3007.2	101.4%	2999.1	101.7%
57	3026.6	101.3%	3006.1	101.3%	2995.5	101.6%
58	3027.7	101.3%	3006.8	101.4%	2997.5	101.6%
59	3025.2	101.3%	3004.9	101.3%	2993.1	101.5%
60	3023.3	101.2%	3004.0	101.3%	2991.8	101.4%
61	3023.8	101.2%	3007.5	101.4%	2990.8	101.4%
62	3023	101.2%	3007.8	101.4%	2990.8	101.4%
63	3022.7	101.2%	3006.5	101.4%	2989.7	101.4%
64	3023	101.2%	3007.4	101.4%	2993.5	101.5%
65	3022.2	101.2%	3006.0	101.3%	2992.3	101.5%
66	3021.9	101.2%	3003.2	101.2%	2991.8	101.4%
67	3019.4	101.1%	3007.6	101.4%	2994.3	101.5%
68	3021.4	101.1%	3004.9	101.3%	2992.6	101.5%
69	3019.7	101.1%	3006.7	101.4%	2990.5	101.4%
70	3018.3	101.0%	3003.5	101.3%	2988.8	101.3%
71	3018	101.0%	3003.8	101.3%	2986.7	101.3%
72	3017.2	101.0%	3003.3	101.2%	2988.8	101.3%
73	3017.4	101.0%	3002.2	101.2%	2986.3	101.3%
74	3016.6	101.0%	3001.5	101.2%	2988.5	101.3%
75	3018	101.0%	3000.3	101.1%	2988	101.3%
76	3017.4	101.0%	3003.0	101.2%	2987.4	101.3%
77	3016.3	101.0%	2999.0	101.1%	2985.4	101.2%
78	3016.1	101.0%	3002.2	101.2%	2988.6	101.3%
79	3013.5	100.9%	2998.7	101.1%	2987.1	101.3%
80	3013.3	100.9%	3000.2	101.1%	2986.3	101.3%
81	3012.8	100.9%	3000.0	101.1%	2985.5	101.2%
82	3011.4	100.8%	3000.2	101.1%	2984.6	101.2%
83	3011.3	100.8%	2997.1	101.0%	2985.1	101.2%
84	3010.8	100.8%	2997.4	101.0%	2984.8	101.2%
85	3011.6	100.8%	2995.3	101.0%	2984.1	101.2%
86	3009.7	100.7%	2995.7	101.0%	2982.2	101.1%
87	3009.7	100.7%	2993.6	100.9%	2983.1	101.2%
88	3007.2	100.7%	2997.8	101.1%	2977.2	101.0%
89	3006.4	100.6%	2993.1	100.9%	2982.6	101.1%
90	3005.8	100.6%	2997.1	101.0%	2980.2	101.1%
91	3004.2	100.6%	2996.2	101.0%	2978.3	101.0%
92	3004.7	100.6%	2995.3	101.0%	2979.1	101.0%
93	3004.4	100.6%	2991.0	100.8%	2974.1	100.8%
94	3003	100.5%	2991.7	100.9%	2976.7	100.9%
95	3002.5	100.5%	2991.9	100.9%	2979.7	101.0%
96	3002.2	100.5%	2990.0	100.8%	2973.4	100.8%
97	3002.4	100.5%	2992.2	100.9%	2976.8	100.9%
98	3003.6	100.5%	2994.1	100.9%	2975.4	100.9%
99	3003	100.5%	2993.9	100.9%	2973.8	100.8%
100	3001.1	100.5%	2993.1	100.9%	2977.4	101.0%
101	2999.2	100.4%	2990.0	100.8%	2973.9	100.8%
102	3000.5	100.4%	2988.5	100.7%	2975.2	100.9%
103	2998.9	100.4%	2989.5	100.8%	2971.9	100.8%
104	2997.2	100.3%	2985.3	100.6%	2973	100.8%
105	2997.7	100.3%	2988.3	100.7%	2971.3	100.8%
106	2996.6	100.3%	2983.9	100.6%	2971.6	100.8%
107	2994.6	100.2%	2984.9	100.6%	2971.4	100.8%
108	2995.8	100.3%	2984.6	100.6%	2967.9	100.6%
109	2996.9	100.3%	2985.0	100.6%	2970.7	100.7%
110	2995.5	100.3%	2986.2	100.7%	2968.5	100.7%
111	2993.8	100.2%	2986.4	100.7%	2970.6	100.7%
112	2993.8	100.2%	2986.1	100.7%	2969.3	100.7%
113	2992.7	100.2%	2983.8	100.6%	2965	100.5%
114	2992.1	100.2%	2982.2	100.5%	2966	100.6%
115	2992.5	100.2%	2983.4	100.6%	2967.8	100.6%
116	2990.8	100.1%	2982.6	100.5%	2969.6	100.7%
117	2989.4	100.1%	2981.9	100.5%	2964.4	100.5%
118	2989.1	100.1%	2978.9	100.4%	2967.9	100.6%
119	2988.9	100.1%	2978.9	100.4%	2964.6	100.5%
120	2987.5	100.0%	2981.5	100.5%	2961.5	100.4%
121	2987.2	100.0%	2978.0	100.4%	2962.9	100.5%
122	2987.5	100.0%	2981.5	100.5%	2965.5	100.6%
123	2985.2	99.9%	2976.4	100.3%	2961.4	100.4%
124	2984.7	99.9%	2978.7	100.4%	2958.2	100.3%
125	2985.8	99.9%	2977.8	100.4%	2960.3	100.4%
126	2983.9	99.9%	2975.3	100.3%	2964.2	100.5%
127	2982.7	99.8%	2977.2	100.4%	2960.3	100.4%
128	2982.2	99.8%	2975.4	100.3%	2962.8	100.5%
129	2981.1	99.8%	2976.3	100.3%	2958.1	100.3%
130	2979.7	99.7%	2973.8	100.3%	2958	100.3%
131	2979.4	99.7%	2974.4	100.3%	2955.2	100.2%
132	2979.1	99.7%	2973.5	100.2%	2957.4	100.3%
133	2979.9	99.7%	2971.8	100.2%	2962.1	100.4%
134	2978.8	99.7%	2971.3	100.2%	2955.5	100.2%
135	2978.3	99.7%	2972.5	100.2%	2958.2	100.3%
136	2977.7	99.7%	2971.9	100.2%	2959	100.3%
137	2976.5	99.6%	2971.6	100.2%	2957.9	100.3%
138	2976.6	99.6%	2968.3	100.1%	2955.6	100.2%
139	2975.2	99.6%	2968.3	100.1%	2952.7	100.1%

曲线图:



140	2974.9	99.6%	2967.6	100.0%	2956.3	100.2%
141	2972.2	99.5%	2966.9	100.0%	2950.5	100.0%
142	2972.7	99.5%	2969.1	100.1%	2950.6	100.1%
143	2972.2	99.5%	2969.3	100.1%	2952.8	100.1%
144	2971.3	99.5%	2964.6	99.9%	2953	100.1%
145	2971.6	99.5%	2965.0	100.0%	2953.2	100.1%
146	2969.9	99.4%	2967.9	100.1%	2951.6	100.1%
147	2969.6	99.4%	2965.3	100.0%	2947.4	99.9%
148	2969.4	99.4%	2964.5	99.9%	2952.6	100.1%
149	2968.5	99.4%	2962.6	99.9%	2948.5	100.0%
150	2967.1	99.3%	2962.0	99.9%	2947.3	99.9%
151	2966.3	99.3%	2963.5	99.9%	2946.9	99.9%
152	2966.1	99.3%	2961.5	99.8%	2950.2	100.0%
153	2966	99.3%	2958.3	99.7%	2943.5	99.8%
154	2964.4	99.2%	2959.6	99.8%	2943.2	99.8%
155	2963	99.2%	2961.9	99.9%	2946.3	99.9%
156	2962.2	99.2%	2958.5	99.7%	2942.6	99.8%
157	2963.8	99.2%	2956.9	99.7%	2944.2	99.8%
158	2963	99.2%	2958.1	99.7%	2944.7	99.9%
159	2962.2	99.2%	2958.2	99.7%	2945.3	99.9%
160	2961.6	99.1%	2957.5	99.7%	2941.2	99.7%
161	2960	99.1%	2955.4	99.6%	2941.9	99.8%
162	2960.3	99.1%	2954.7	99.6%	2941	99.7%
163	2958.6	99.0%	2955.1	99.6%	2942	99.8%
164	2957.7	99.0%	2955.3	99.6%	2942.3	99.8%
165	2955.5	98.9%	2955.6	99.6%	2939.1	99.7%
166	2956.6	99.0%	2954.1	99.6%	2941	99.7%
167	2956.1	99.0%	2949.9	99.4%	2935	99.5%
168	2955.5	98.9%	2952.7	99.5%	2936.6	99.6%
169	2955.5	98.9%	2952.5	99.5%	2936.3	99.6%
170	2953.2	98.9%	2947.6	99.4%	2935.4	99.5%
171	2954	98.9%	2951.4	99.5%	2937.2	99.6%
172	2954.5	98.9%	2950.6	99.5%	2936.8	99.6%
173	2951.8	98.8%	2947.8	99.4%	2932.2	99.4%
174	2950.2	98.8%	2947.8	99.4%	2933	99.5%
175	2949.4	98.7%	2944.9	99.3%	2928	99.3%
176	2948.9	98.7%	2944.7	99.3%	2934.4	99.5%
177	2948.8	98.7%	2947.2	99.4%	2927.6	99.3%
178	2947.8	98.7%	2947.2	99.4%	2930.1	99.4%
179	2947.7	98.7%	2945.5	99.3%	2931.5	99.4%
180	2949.4	98.7%	2943.6	99.2%	2928.5	99.3%
181	2946	98.6%	2944.7	99.3%	2932.5	99.4%
182	2947.5	98.7%	2944.7	99.3%	2933.8	99.5%
183	2946.3	98.6%	2944.2	99.3%	2931.5	99.4%
184	2945.2	98.6%	2942.3	99.2%	2931.8	99.4%
185	2943.8	98.5%	2943.8	99.2%	2928.7	99.3%
186	2943.5	98.5%	2942.2	99.2%	2927.9	99.3%
187	2942.1	98.5%	2938.9	99.1%	2925.2	99.2%
188	2942	98.5%	2938.5	99.1%	2925.2	99.2%
189	2942.5	98.5%	2939.0	99.1%	2929.2	99.3%
190	2940.2	98.4%	2937.5	99.0%	2924.9	99.2%
191	2939.6	98.4%	2936.0	99.0%	2925.2	99.2%
192	2939.2	98.4%	2934.2	98.9%	2926.6	99.2%
193	2936.3	98.3%	2938.0	99.0%	2924.4	99.2%
194	2937.1	98.3%	2936.8	99.0%	2924.4	99.2%
195	2937.5	98.3%	2936.6	99.0%	2922	99.1%
196	2935.8	98.3%	2934.3	98.9%	2922.4	99.1%
197	2933.6	98.2%	2934.8	98.9%	2920.5	99.0%
198	2933.5	98.2%	2932.5	98.9%	2915.5	98.9%
199	2933.6	98.2%	2931.9	98.8%	2916.6	98.9%
200	2932.4	98.2%	2930.6	98.8%	2920.1	99.0%
201	2930.5	98.1%	2934.7	98.9%	2918.8	99.0%
202	2932.5	98.2%	2930.1	98.8%	2913	98.8%
203	2931	98.1%	2929.6	98.8%	2917.9	98.9%
204	2931.4	98.1%	2930.9	98.8%	2916.5	98.9%
205	2928.6	98.0%	2929.0	98.7%	2917.4	98.9%
206	2929.7	98.1%	2930.7	98.8%	2916.9	98.9%
207	2929.1	98.0%	2929.1	98.7%	2912.1	98.7%
208	2928.6	98.0%	2930.7	98.8%	2915.5	98.9%
209	2928	98.0%	2925.0	98.6%	2910.4	98.7%
210	2927.6	98.0%	2923.7	98.6%	2915.4	98.9%
211	2924.6	97.9%	2928.6	98.7%	2912.3	98.8%
212	2925.5	97.9%	2926.5	98.7%	2914.4	98.8%
213	2924.9	97.9%	2924.8	98.6%	2913	98.8%
214	2923.2	97.9%	2922.9	98.5%	2909.6	98.7%
215	2922.7	97.8%	2926.0	98.6%	2913.9	98.8%
216	2923.8	97.9%	2924.5	98.6%	2907.7	98.6%
217	2922.5	97.8%	2923.4	98.6%	2908.8	98.6%
218	2922.5	97.8%	2923.3	98.6%	2911	98.7%
219	2921.1	97.8%	2924.6	98.6%	2908.1	98.6%
220	2921.4	97.8%	2921.9	98.5%	2905.1	98.5%
221	2919.7	97.7%	2918.6	98.4%	2907.9	98.6%
222	2919.4	97.7%	2919.1	98.4%	2907.3	98.6%
223	2917.8	97.7%	2919.8	98.4%	2906.4	98.6%
224	2918.3	97.7%	2918.3	98.4%	2901.4	98.4%
225	2915	97.6%	2917.3	98.3%	2904.7	98.5%
226	2915.2	97.6%	2919.3	98.4%	2904.7	98.5%
227	2915.7	97.6%	2917.4	98.4%	2904	98.5%
228	2915.5	97.6%	2914.2	98.2%	2897.3	98.2%
229	2913.5	97.5%	2912.7	98.2%	2900.4	98.3%
230	2915.5	97.6%	2916.0	98.3%	2902.7	98.4%
231	2913.5	97.5%	2915.2	98.3%	2901.9	98.4%
232	2913	97.5%	2912.3	98.2%	2900.2	98.3%
233	2911	97.4%	2914.9	98.3%	2900.1	98.3%
234	2910.7	97.4%	2912.6	98.2%	2898.3	98.3%
235	2909.7	97.4%	2912.8	98.2%	2898.2	98.3%
236	2908.6	97.4%	2910.1	98.1%	2898.7	98.3%
237	2907.7	97.3%	2909.8	98.1%	2893.3	98.1%
238	2908	97.3%	2909.4	98.1%	2891.7	98.1%
239	2907.3	97.3%	2908.4	98.0%	2895.4	98.2%
240	2908.3	97.4%	2908.4	98.0%	2892.1	98.1%
241	2906.6	97.3%	2905.5	98.0%	2892.7	98.1%
242	2908.2	97.3%	2906.7	98.0%	2893.2	98.1%
243	2905.5	97.3%	2906.4	98.0%	2890.8	98.0%
244	2904.3	97.2%	2905.2	97.9%	2893.2	98.1%
245	2902.7	97.2%	2904.1	97.9%	2892.7	98.1%
246	2902.1	97.1%	2902.5	97.8%	2892.8	98.1%
247	2901.8	97.1%	2902.7	97.9%	2890.6	98.0%
248	2901.1	97.1%	2903.3	97.9%	2889.9	98.0%
249	2901	97.1%	2901.0	97.8%	2890.6	98.0%
250	2899.7	97.1%	2903.8	97.9%	2888.3	97.9%
251	2899.4	97.1%	2901.7	97.8%	2885.1	97.8%
252	2900.8	97.1%	2900.0	97.8%	2882.1	97.7%
253	2898.8	97.0%	2901.4	97.8%	2885.2	97.8%
254	2899.1	97.0%	2896.4	97.6%	2886.6	97.9%
255	2898.8	97.0%	2901.2	97.8%	2886.1	97.9%
256	2896	96.9%	2897.8	97.7%	2881.6	97.7%
257	2895.4	96.9%	2896.5	97.6%	2879.9	97.7%
258	2894.4	96.9%	2897.3	97.7%	2884.9	97.8%
259	2895.2	96.9%	2896.7	97.7%	2883.8	97.8%
260	2893.5	96.9%	2895.9	97.6%	2881.4	97.7%
261	2892.5	96.8%	2892.4	97.5%	2880.4	97.7%
262	2893.6	96.9%	2892.0	97.5%	2881.5	97.7%
263	2891.2	96.8%	2891.7	97.5%	2881.1	97.7%
264	2890.5	96.8%	2892.0	97.5%	2878.3	97.6%
265	2893.6	96.9%	2894.0	97.6%	2876.1	97.5%
266	2891.6	96.8%	2892.0	97.5%	2875.7	97.5%
267	2888.5	96.7%	2892.6	97.5%	2878.7	97.6%
268	2888.7	96.7%	2891.3	97.5%	2874.4	97.5%
269	2887.7	96.7%	2889.5	97.4%	2880.4	97.7%
270	2886.1	96.6%	2886.9	97.3%	2876.3	97.5%
271	2886.6	96.6%	2886.1	97.3%	2874.6	97.5%
272	2886.6	96.6%	2885.5	97.3%	2870.4	97.3%
273	2885.4	96.6%	2889.4	97.4%	2872.8	97.4%
274	2883.6	96.5%	2884.8	97.3%	2874.3	97.5%
275	2886.1	96.6%	2888.8	97.4%	2873.3	97.4%
276	2884.4	96.6%	2887.1	97.3%	2872.7	97.4%
277	2884.1	96.5%	2886.8	97.3%	2872.5	97.4%
278	2883.5	96.5%	2885.9	97.3%	2870.5	97.3%
279	2881.9	96.5%	2884.7	97.2%	2869.8	97.3%
280	2882.6	96.5%	2884.8	97.3%	2872.1	97.4%
281	2880.4	96.4%	2883.4	97.2%	2867.1	97.2%
282	2880.2	96.4%	2881.0	97.1%	2869.7	97.3%
283	2879.3	96.4%	2883.0	97.2%	2867.3	97.2%
284	2878.6	96.4%	2883.1	97.2%	2868.8	97.3%
285	2878.8	96.4%	2881.3	97.1%	2866.1	97.2%
286	2876.9	96.3%	2882.0	97.2%	2866.4	97.2%
287	2877.7	96.3%	2877.5	97.0%	2868.9	97.3%
288	2879.4	96.4%	2880.0	97.1%	2864.1	97.1%
289	2877.4	96.3%	2882.5	97.2%	2866.5	97.2%
290	2876.3	96.3%	2877.9	97.0%	2864.4	97.1%
291	2875.2	96.2%	2880.9	97.1%	2862.9	97.1%
292	2873.6	96.2%	2877.3	97.0%	2862.2	97.1%
293	2872.7	96.2%	2876.4	97.0%	2861	97.0%
294	2872.2	96.1%	2873.3	96.9%	2864.3	97.1%

295	2873.8	96.2%	2872.2	96.8%	2858.8	96.9%
296	2870.7	96.1%	2874.3	96.9%	2860.2	97.0%
297	2871	96.1%	2875.6	96.9%	2860.2	97.0%
298	2870.5	96.1%	2873.1	96.9%	2856.8	96.9%
299	2871.1	96.1%	2872.9	96.9%	2858	96.9%
300	2869.6	96.1%	2873.2	96.9%	2855.5	96.8%
301	2870	96.1%	2872.6	96.8%	2855.8	96.8%
302	2868.2	96.0%	2870.3	96.8%	2858.9	96.9%
303	2867.7	96.0%	2871.0	96.8%	2856.6	96.9%
304	2867.7	96.0%	2868.4	96.7%	2856.1	96.8%
305	2865.8	95.9%	2867.3	96.7%	2854.9	96.8%
306	2865.7	95.9%	2870.3	96.8%	2853.6	96.8%
307	2863.2	95.8%	2865.4	96.6%	2854.1	96.8%
308	2862.4	95.8%	2866.7	96.6%	2851.7	96.7%
309	2862.4	95.8%	2866.3	96.6%	2851.7	96.7%
310	2863	95.8%	2866.0	96.6%	2850.6	96.7%
311	2861.8	95.8%	2866.3	96.6%	2848.6	96.6%
312	2861.9	95.8%	2864.8	96.6%	2853.4	96.8%
313	2860.6	95.8%	2863.3	96.5%	2850.1	96.6%
314	2861.6	95.8%	2861.4	96.5%	2848.6	96.6%
315	2859.7	95.7%	2861.0	96.5%	2847.5	96.6%
316	2858	95.7%	2860.9	96.4%	2847.5	96.6%
317	2858.3	95.7%	2859.7	96.4%	2847.6	96.6%
318	2858.8	95.7%	2859.4	96.4%	2848.1	96.6%
319	2856.6	95.6%	2860.0	96.4%	2845.8	96.5%
320	2856.9	95.6%	2857.8	96.3%	2846.1	96.5%
321	2856	95.6%	2860.7	96.4%	2843.7	96.4%
322	2854.1	95.5%	2858.1	96.4%	2843	96.4%
323	2853.5	95.5%	2858.1	96.4%	2842.8	96.4%
324	2856.3	95.6%	2855.5	96.3%	2839.7	96.3%
325	2855.5	95.6%	2854.4	96.2%	2841.2	96.3%
326	2852.8	95.5%	2855.6	96.3%	2842.2	96.4%
327	2853.4	95.5%	2855.3	96.3%	2840	96.3%
328	2851.6	95.5%	2851.4	96.1%	2838.3	96.2%
329	2850.5	95.4%	2854.3	96.2%	2835.8	96.2%
330	2849.9	95.4%	2852.3	96.2%	2838	96.2%
331	2848.8	95.4%	2849.4	96.1%	2837.9	96.2%
332	2848	95.3%	2852.2	96.2%	2837.4	96.2%
333	2847.5	95.3%	2851.4	96.1%	2838.5	96.2%
334	2846.8	95.3%	2848.1	96.0%	2831.4	96.0%
335	2847.9	95.3%	2851.0	96.1%	2832.8	96.1%
336	2845.8	95.3%	2850.7	96.1%	2831.2	96.0%
337	2848.3	95.3%	2845.4	95.9%	2832.8	96.1%
338	2845.3	95.2%	2845.3	95.9%	2833.9	96.1%
339	2844.6	95.2%	2847.6	96.0%	2833.9	96.1%
340	2845.8	95.3%	2844.8	95.9%	2837.3	96.2%
341	2843.8	95.2%	2848.6	96.0%	2831.4	96.0%
342	2842.2	95.1%	2847.0	96.0%	2828.2	95.9%
343	2841.6	95.1%	2844.9	95.9%	2827.1	95.9%
344	2842.5	95.1%	2845.8	95.9%	2829	95.9%
345	2839.4	95.0%	2842.1	95.8%	2830.8	96.0%
346	2841	95.1%	2842.7	95.8%	2826.4	95.8%
347	2840.4	95.1%	2843.4	95.9%	2825.7	95.8%
348	2839.2	95.0%	2844.4	95.9%	2826.7	95.8%
349	2839.7	95.1%	2840.5	95.8%	2828.7	95.9%
350	2839.1	95.0%	2838.6	95.7%	2824.7	95.8%
351	2838.2	95.0%	2840.8	95.8%	2825.3	95.8%
352	2837.9	95.0%	2839.0	95.7%	2826.1	95.8%
353	2838.3	95.0%	2837.4	95.7%	2826.7	95.8%
354	2836.6	95.0%	2839.2	95.7%	2826.5	95.8%
355	2834.9	94.9%	2839.0	95.7%	2825.1	95.8%
356	2834.4	94.9%	2836.8	95.6%	2824.2	95.8%
357	2816.6	94.3%	2836.4	95.6%	2825.5	95.8%
358	2818.4	94.3%	2834.8	95.6%	2820.7	95.6%
359	2817.2	94.3%	2822.6	95.2%	2809	95.2%
360	2816.4	94.3%	2817.4	95.0%	2809.3	95.3%
361	2815.6	94.2%	2819.4	95.0%	2808.6	95.2%
362	2815	94.2%	2817.5	95.0%	2806	95.1%
363	2816.7	94.3%	2816.4	94.9%	2806.1	95.2%
364	2814.1	94.2%	2816.8	95.0%	2808.6	95.2%
365	2813.6	94.2%	2815.7	94.9%	2806.1	95.2%
366	2813	94.2%	2813.8	94.9%	2805.6	95.1%
367	2812.7	94.2%	2812.9	94.8%	2802.7	95.0%
368	2812.5	94.1%	2813.1	94.8%	2803.3	95.1%
369	2810	94.1%	2811.7	94.8%	2801.4	95.0%
370	2810.5	94.1%	2812.5	94.8%	2801.1	95.0%
371	2811.9	94.1%	2810.5	94.7%	2803.9	95.1%
372	2812.2	94.1%	2811.7	94.8%	2801.3	95.0%
373	2815.1	94.2%	2811.4	94.8%	2801.9	95.0%
374	2813.6	94.2%	2812.9	94.8%	2802.5	95.0%
375	2811.9	94.1%	2814.2	94.9%	2804.7	95.1%
376	2810.4	94.1%	2814.3	94.9%	2803.3	95.1%
377	2810.2	94.1%	2812.5	94.8%	2800.8	95.0%
378	2808.8	94.0%	2810.4	94.7%	2800.9	95.0%
379	2806.1	93.9%	2809.7	94.7%	2799.2	94.9%
380	2806.4	93.9%	2806.8	94.6%	2796.7	94.8%
381	2807.5	94.0%	2806.6	94.6%	2797.2	94.8%
382	2805.2	93.9%	2806.8	94.6%	2796.1	94.8%
383	2805	93.9%	2807.2	94.6%	2796.1	94.8%
384	2805.3	93.9%	2805.4	94.6%	2794.5	94.8%
385	2804.9	93.9%	2806.8	94.6%	2795.3	94.8%
386	2802.8	93.8%	2805.7	94.6%	2793.9	94.7%
387	2803.1	93.8%	2804.0	94.5%	2793.3	94.7%
388	2802.2	93.8%	2802.7	94.5%	2795	94.8%
389	2801.1	93.8%	2802.7	94.5%	2792.1	94.7%
390	2801.4	93.8%	2801.8	94.5%	2790.8	94.6%
391	2799.4	93.7%	2801.7	94.5%	2791.6	94.7%
392	2799.7	93.7%	2801.1	94.4%	2790.3	94.6%
393	2802.5	93.8%	2798.8	94.4%	2788.5	94.6%
394	2801.6	93.8%	2798.8	94.4%	2787.6	94.5%
395	2799.9	93.7%	2801.9	94.5%	2790.6	94.6%
396	2802.7	93.8%	2803.2	94.5%	2791.6	94.7%
397	2798.5	93.7%	2801.4	94.4%	2790.5	94.6%
398	2796.9	93.6%	2799.8	94.4%	2789.9	94.6%
399	2797.8	93.7%	2800.3	94.4%	2786.9	94.5%
400	2794.7	93.5%	2797.1	94.3%	2786.1	94.5%
401	2794	93.5%	2796.0	94.3%	2783.5	94.4%
402	2794.5	93.5%	2795.3	94.2%	2783.9	94.4%
403	2792.5	93.5%	2793.8	94.2%	2782.8	94.4%
404	2791.9	93.5%	2793.6	94.2%	2780.9	94.3%
405	2795.8	93.6%	2792.4	94.1%	2784	94.4%
406	2795.6	93.6%	2792.2	94.1%	2781.4	94.3%
407	2795	93.6%	2792.6	94.1%	2781.8	94.3%
408	2796.9	93.6%	2794.1	94.2%	2782.7	94.4%
409	2793.9	93.5%	2796.8	94.3%	2783.8	94.4%
410	2790.9	93.4%	2794.8	94.2%	2782.7	94.4%
411	2790.8	93.4%	2793.2	94.2%	2780.3	94.3%
412	2787.5	93.3%	2792.2	94.1%	2778.7	94.2%
413	2786.1	93.3%	2790.0	94.1%	2776.4	94.1%
414	2787.3	93.3%	2788.6	94.0%	2775	94.1%
415	2786.6	93.3%	2786.7	93.9%	2776.6	94.2%
416	2788.8	93.4%	2784.5	93.9%	2773.6	94.0%
417	2791.7	93.4%	2785.3	93.9%	2772.6	94.0%
418	2790.3	93.4%	2786.7	93.9%	2774.9	94.1%
419	2790.3	93.4%	2789.2	94.0%	2775.8	94.1%
420	2790	93.4%	2788.3	94.0%	2777.7	94.2%
421	2786.9	93.3%	2790.7	94.1%	2776.9	94.2%
422	2782.7	93.1%	2790.7	94.1%	2776.7	94.2%
423	2783.9	93.2%	2787.3	94.0%	2774.5	94.1%
424	2780.8	93.1%	2785.9	93.9%	2772.2	94.0%
425	2778.9	93.0%	2783.9	93.9%	2770.3	93.9%
426	2779.5	93.0%	2782.6	93.8%	2767.4	93.8%
427	2779.7	93.0%	2780.2	93.7%	2767.8	93.9%
428	2779.5	93.0%	2779.2	93.7%	2765.7	93.8%
429	2781.4	93.1%	2778.7	93.7%	2764.3	93.7%
430	2778.6	93.0%	2777.6	93.6%	2765.6	93.8%
431	2779.6	93.0%	2779.8	93.7%	2765.3	93.8%
432	2780	93.1%	2778.7	93.7%	2767.9	93.9%
433	2776.1	92.9%	2777.8	93.6%	2778.6	94.2%
434	2775.5	92.9%	2779.5	93.7%	2764.1	93.7%
435	2776.7	92.9%	2776.9	93.6%	2768	93.9%
436	2772.8	92.8%	2775.3	93.6%	2762.9	93.7%
437	2770.3	92.7%	2775.1	93.6%	2761.4	93.6%
438	2774.2	92.9%	2773.6	93.5%	2758.5	93.5%
439	2775.2	92.9%	2772.6	93.5%	2760	93.6%
440	2774.3	92.9%	2770.9	93.4%	2758.3	93.5%
441	2777.5	93.0%	2773.6	93.5%	2758.2	93.5%
442	2773.9	92.9%	2774.5	93.5%	2761.7	93.6%
443	2770.3	92.7%	2775.3	93.6%	2760.9	93.6%
444	2769.8	92.7%	2775.3	93.6%	2761.3	93.6%
445	2765.8	92.6%	2774.2	93.5%	2761.1	93.6%
446	2763.3	92.5%	2770.3	93.4%	2756.3	93.5%
447	2758.7	92.3%	2768.9	93.3%	2755	93.4%
448	2762.3	92.5%	2765.0	93.2%	2758.9	93.6%
449	2768.1	92.7%	2762.5	93.1%	2759.1	93.6%



450	2769.2	92.7%	2762.5	93.1%	2758.2	93.5%
451	2767.5	92.6%	2760.2	93.1%	2758.5	93.5%
452	2765.9	92.6%	2768.4	93.3%	2756	93.5%
453	2766.4	92.6%	2770.3	93.4%	2756.2	93.5%
454	2763.7	92.5%	2770.9	93.4%	2753.2	93.4%
455	2763.4	92.5%	2770.3	93.4%	2752.9	93.3%
456	2762	92.5%	2767.8	93.3%	2751.9	93.3%
457	2762.8	92.5%	2766.4	93.3%	2753.9	93.4%
458	2764.5	92.5%	2764.8	93.2%	2752.7	93.3%
459	2764.5	92.5%	2764.8	93.2%	2752.9	93.3%
460	2763.9	92.5%	2763.7	93.2%	2754.2	93.4%
461	2763.9	92.5%	2763.4	93.2%	2752.4	93.3%
462	2761.7	92.4%	2764.5	93.2%	2750	93.2%
463	2761.7	92.4%	2764.2	93.2%	2749.1	93.2%
464	2759.4	92.4%	2764.2	93.2%	2747.5	93.2%
465	2759.2	92.4%	2763.7	93.2%	2746.9	93.1%
466	2758.1	92.3%	2762.9	93.1%	2746.4	93.1%
467	2757.8	92.3%	2762.3	93.1%	2746.6	93.1%
468	2756.4	92.3%	2759.0	93.0%	2745.2	93.1%
469	2757.8	92.3%	2759.0	93.0%	2745	93.1%
470	2759.4	92.4%	2758.7	93.0%	2748.2	93.2%
471	2758.3	92.3%	2758.2	93.0%	2746.4	93.1%
472	2757.2	92.3%	2757.6	93.0%	2745.7	93.1%
473	2758.9	92.4%	2757.0	92.9%	2747.6	93.2%
474	2757	92.3%	2759.0	93.0%	2743.4	93.0%
475	2756.4	92.3%	2757.6	93.0%	2744.4	93.1%
476	2755.9	92.3%	2758.4	93.0%	2742.1	93.0%
477	2752.6	92.1%	2760.3	93.1%	2742.4	93.0%
478	2753.3	92.2%	2756.7	92.9%	2740.9	92.9%
479	2751.2	92.1%	2757.2	93.0%	2738.6	92.9%
480	2750.9	92.1%	2757.8	93.0%	2739.7	92.9%
481	2752.8	92.1%	2756.7	92.9%	2739.1	92.9%
482	2752.8	92.1%	2754.5	92.9%	2739.3	92.9%
483	2752.5	92.1%	2751.2	92.7%	2743.6	93.0%
484	2751.4	92.1%	2752.3	92.8%	2740.1	92.9%
485	2749.8	92.0%	2752.5	92.8%	2738.3	92.9%
486	2749.2	92.0%	2752.8	92.8%	2737.3	92.8%
487	2748.3	92.0%	2753.9	92.8%	2735.3	92.8%
488	2747	92.0%	2752.2	92.8%	2733.9	92.7%
489	2747	92.0%	2751.4	92.8%	2732.7	92.7%
490	2744.8	91.9%	2751.4	92.8%	2733.3	92.7%
491	2747	92.0%	2748.4	92.7%	2731.5	92.6%
492	2747.2	92.0%	2748.9	92.7%	2730.5	92.6%
493	2747.8	92.0%	2746.8	92.6%	2732.9	92.7%
494	2750.9	92.1%	2746.5	92.6%	2735.7	92.8%
495	2751.1	92.1%	2745.9	92.6%	2735.3	92.8%
496	2749.9	92.0%	2746.2	92.6%	2739.3	92.9%
497	2751.7	92.1%	2746.2	92.6%	2735.5	92.8%
498	2748.6	92.0%	2749.0	92.7%	2736	92.8%
499	2745.3	91.9%	2750.0	92.7%	2735.4	92.8%
500	2747.7	92.0%	2751.5	92.8%	2732.6	92.7%
501	2744.5	91.9%	2750.9	92.7%	2729.5	92.6%
502	2744.7	91.9%	2748.6	92.7%	2730.2	92.6%
503	2746.7	91.9%	2747.3	92.6%	2729.9	92.6%
504	2745.6	91.9%	2746.2	92.6%	2730.7	92.6%
505	2748.3	92.0%	2744.8	92.5%	2731.4	92.6%
506	2747.8	92.0%	2745.9	92.6%	2732.7	92.7%
507	2744.2	91.9%	2744.2	92.5%	2732	92.6%
508	2741.7	91.8%	2745.3	92.5%	2729.1	92.5%
509	2744.2	91.9%	2746.4	92.6%	2729.8	92.6%
510	2739.7	91.7%	2745.0	92.5%	2726.6	92.5%
511	2739.5	91.7%	2746.1	92.6%	2722.5	92.3%
512	2738.4	91.7%	2744.7	92.5%	2726.9	92.5%
513	2735.6	91.6%	2742.8	92.5%	2721.1	92.3%
514	2734.8	91.5%	2740.0	92.4%	2718.6	92.2%
515	2734.7	91.5%	2736.8	92.3%	2721.1	92.3%
516	2737.2	91.6%	2737.0	92.3%	2719.8	92.2%
517	2738.6	91.7%	2737.6	92.3%	2721.9	92.3%
518	2741.7	91.8%	2733.4	92.1%	2724.3	92.4%
519	2742.5	91.8%	2734.0	92.2%	2726.9	92.5%
520	2740.3	91.7%	2735.1	92.2%	2726.2	92.4%
521	2741.9	91.8%	2738.4	92.3%	2723.8	92.4%
522	2738.3	91.7%	2740.1	92.4%	2725.5	92.4%
523	2737.5	91.6%	2742.5	92.5%	2721.1	92.3%
524	2737	91.6%	2742.5	92.5%	2721.6	92.3%
525	2734.1	91.5%	2741.1	92.4%	2722.6	92.3%
526	2734.7	91.5%	2740.6	92.4%	2719.1	92.2%
527	2737.2	91.6%	2738.9	92.3%	2718.8	92.2%
528	2740.2	91.7%	2738.4	92.3%	2724.3	92.4%
529	2749.4	92.0%	2734.2	92.2%	2724.5	92.4%
530	2746.1	91.9%	2735.9	92.2%	2729.3	92.5%
531	2745.8	91.9%	2734.8	92.2%	2727.9	92.5%
532	2743.5	91.8%	2740.3	92.4%	2728.9	92.5%
533	2743.8	91.8%	2741.7	92.4%	2726.9	92.5%
534	2741.6	91.8%	2749.8	92.7%	2724.1	92.4%
535	2738.3	91.7%	2745.1	92.5%	2723.4	92.3%
536	2739.4	91.7%	2744.5	92.5%	2719.6	92.2%
537	2736.4	91.6%	2743.4	92.5%	2718.3	92.2%
538	2735.8	91.6%	2741.4	92.4%	2721	92.3%
539	2739.2	91.7%	2740.3	92.4%	2717.2	92.1%
540	2738	91.7%	2740.9	92.4%	2718.9	92.2%
541	2739.6	91.7%	2738.4	92.3%	2724.7	92.4%
542	2741.4	91.8%	2739.8	92.4%	2724.4	92.4%
543	2741	91.8%	2736.5	92.3%	2722.4	92.3%
544	2739.4	91.7%	2739.0	92.3%	2725.7	92.4%
545	2739.2	91.7%	2739.5	92.4%	2723	92.3%
546	2735.5	91.6%	2739.2	92.3%	2720.5	92.2%
547	2734.1	91.5%	2740.8	92.4%	2718.7	92.2%
548	2733.9	91.5%	2739.7	92.4%	2718.5	92.2%
549	2732.2	91.5%	2738.6	92.3%	2714.7	92.1%
550	2730.8	91.4%	2736.7	92.3%	2713.3	92.0%
551	2733	91.5%	2734.5	92.2%	2714.7	92.1%
552	2733.3	91.5%	2735.3	92.2%	2715.3	92.1%
553	2732.4	91.5%	2733.1	92.1%	2714.7	92.1%
554	2731.3	91.4%	2733.4	92.1%	2715.4	92.1%
555	2731.9	91.4%	2731.4	92.1%	2712.1	92.0%
556	2730.5	91.4%	2731.9	92.1%	2714.6	92.0%
557	2728.6	91.3%	2731.1	92.1%	2713.9	92.0%
558	2726.6	91.3%	2732.5	92.1%	2711.9	92.0%
559	2725.5	91.2%	2730.5	92.1%	2709.8	91.9%
560	2723.8	91.2%	2729.2	92.0%	2708.5	91.8%
561	2722.7	91.1%	2730.3	92.0%	2704.1	91.7%
562	2723.8	91.2%	2727.8	92.0%	2704.7	91.7%
563	2726.1	91.3%	2726.7	91.9%	2709.6	91.9%
564	2726.2	91.3%	2725.0	91.9%	2708	91.8%
565	2726.8	91.3%	2723.6	91.8%	2710.2	91.9%
566	2728.8	91.3%	2723.6	91.8%	2712.5	92.0%
567	2726.6	91.3%	2726.4	91.9%	2711.1	91.9%
568	2724.4	91.2%	2727.2	91.9%	2709.2	91.9%
569	2723	91.1%	2726.1	91.9%	2706.5	91.8%
570	2721.1	91.1%	2725.3	91.9%	2705.8	91.8%
571	2719.9	91.0%	2725.8	91.9%	2705	91.7%
572	2718.6	91.0%	2726.4	91.9%	2700.6	91.6%
573	2717.2	91.0%	2724.2	91.8%	2699.2	91.5%
574	2716.6	90.9%	2723.4	91.8%	2699	91.5%
575	2717.5	91.0%	2722.6	91.8%	2699.4	91.5%
576	2717.7	91.0%	2721.2	91.7%	2699.7	91.5%
577	2718	91.0%	2720.4	91.7%	2699.7	91.5%
578	2717.7	91.0%	2719.5	91.7%	2700.2	91.6%
579	2718.3	91.0%	2717.6	91.6%	2702.8	91.6%
580	2716.3	90.9%	2719.5	91.7%	2700.3	91.6%
581	2714.4	90.9%	2719.2	91.7%	2699.7	91.5%
582	2713.3	90.8%	2718.1	91.6%	2698.7	91.5%
583	2712.2	90.8%	2719.2	91.7%	2695.6	91.4%
584	2710.6	90.7%	2717.3	91.6%	2694.1	91.4%
585	2710.6	90.7%	2716.7	91.6%	2694.2	91.4%
586	2708.6	90.7%	2715.4	91.5%	2691.7	91.3%
587	2713	90.8%	2713.1	91.5%	2691.3	91.3%
588	2714.1	90.9%	2710.7	91.4%	2695.9	91.4%
589	2710.8	90.7%	2713.9	91.5%	2695.7	91.4%
590	2713.6	90.8%	2711.5	91.4%	2692.1	91.3%
591	2711.4	90.8%	2712.3	91.4%	2696.4	91.4%
592	2708.1	90.7%	2712.9	91.5%	2692.3	91.3%
593	2708.6	90.7%	2712.0	91.4%	2688	91.1%
594	2705.5	90.6%	2713.1	91.5%	2688.8	91.2%
595	2703.5	90.5%	2712.3	91.4%	2684	91.0%
596	2704.4	90.5%	2711.4	91.4%	2684.2	91.0%
597	2702.2	90.5%	2709.2	91.3%	2684	91.0%
598	2698.6	90.3%	2707.1	91.3%	2679.2	90.8%
599	2700.8	90.4%	2706.2	91.2%	2674	90.7%
600	2698.3	90.3%	2704.8	91.2%	2679.4	90.9%
601	2696.8	90.3%	2702.0	91.1%	2677.6	90.8%
602	2695.6	90.2%	2702.5	91.1%	2675.9	90.7%