

# “A Multivariate Change Point Model for SPC”

## Tables

n	Control Limits $h_{n,\alpha=0.01,p=2}$									
	3	$se_{3,0.01}$	20	$se_{20,0.01}$	25	$se_{25,0.01}$	30	$se_{30,0.01}$	40	$se_{40,0.01}$
4	182000.000	2.329e+03	-	-	-	-	-	-	-	-
5	1127.800	7.354e+00	-	-	-	-	-	-	-	-
6	223.430	1.007e+00	-	-	-	-	-	-	-	-
7	101.230	3.365e-01	-	-	-	-	-	-	-	-
8	64.674	1.748e-01	-	-	-	-	-	-	-	-
9	48.371	9.600e-02	-	-	-	-	-	-	-	-
10	39.301	7.760e-02	-	-	-	-	-	-	-	-
11	33.547	6.460e-02	-	-	-	-	-	-	-	-
12	29.732	4.840e-02	-	-	-	-	-	-	-	-
13	26.996	3.630e-02	-	-	-	-	-	-	-	-
14	24.935	3.120e-02	-	-	-	-	-	-	-	-
15	23.337	3.130e-02	-	-	-	-	-	-	-	-
16	22.096	3.300e-02	-	-	-	-	-	-	-	-
17	21.062	2.470e-02	-	-	-	-	-	-	-	-
18	20.247	2.340e-02	-	-	-	-	-	-	-	-
19	19.525	2.150e-02	-	-	-	-	-	-	-	-
20	18.958	2.120e-02	-	-	-	-	-	-	-	-
21	18.413	1.520e-02	23.878	0.043	-	-	-	-	-	-
22	17.939	1.850e-02	20.906	0.026	-	-	-	-	-	-
23	17.573	1.660e-02	19.412	0.019	-	-	-	-	-	-
24	17.206	1.620e-02	18.510	0.017	-	-	-	-	-	-
25	16.915	1.750e-02	17.849	0.016	-	-	-	-	-	-
26	16.597	1.710e-02	17.305	0.015	21.825	0.028	-	-	-	-
27	16.366	1.650e-02	16.918	0.016	19.315	0.017	-	-	-	-
28	16.147	1.520e-02	16.579	0.014	18.110	0.014	-	-	-	-
29	15.945	1.460e-02	16.304	0.015	17.336	0.013	-	-	-	-
30	15.743	1.600e-02	16.056	0.012	16.807	0.015	-	-	-	-
31	15.546	1.550e-02	15.809	0.014	16.383	0.015	20.721	0.027	-	-
32	15.413	1.520e-02	15.625	0.014	16.066	0.015	18.442	0.017	-	-
33	15.264	1.630e-02	15.453	0.015	15.799	0.014	17.329	0.015	-	-
34	15.119	1.620e-02	15.283	0.015	15.554	0.013	16.634	0.014	-	-
35	15.022	1.630e-02	15.167	0.013	15.388	0.013	16.153	0.014	-	-
36	14.912	1.480e-02	15.026	0.013	15.204	0.013	15.790	0.011	-	-
37	14.806	1.490e-02	14.906	0.011	15.058	0.010	15.507	0.011	-	-
38	14.702	1.410e-02	14.795	0.013	14.921	0.011	15.279	0.011	-	-
39	14.606	1.300e-02	14.708	0.013	14.818	0.013	15.101	0.014	-	-
40	14.490	1.490e-02	14.580	0.014	14.677	0.012	14.924	0.010	-	-
41	14.391	1.360e-02	14.480	0.014	14.566	0.013	14.761	0.013	19.445	0.024
42	14.335	1.280e-02	14.407	0.013	14.483	0.012	14.652	0.011	17.463	0.014
43	14.263	1.360e-02	14.318	0.012	14.386	0.012	14.529	0.012	16.446	0.012
44	14.173	1.410e-02	14.226	0.012	14.287	0.012	14.410	0.011	15.812	0.012
45	14.095	1.260e-02	14.146	0.012	14.203	0.011	14.308	0.012	15.373	0.012
46	14.032	1.440e-02	14.074	0.014	14.122	0.012	14.213	0.012	15.057	0.012
47	14.002	1.760e-02	14.037	0.016	14.083	0.016	14.166	0.014	14.821	0.012
48	13.953	9.820e-03	13.995	0.008	14.033	0.008	14.099	0.009	14.637	0.009
49	13.897	1.650e-02	13.930	0.015	13.960	0.015	14.021	0.014	14.480	0.012
50	13.832	1.270e-02	13.852	0.012	13.887	0.012	13.946	0.010	14.327	0.010
55	13.593	1.480e-02	13.620	0.011	13.641	0.011	13.681	0.010	13.868	0.009
60	13.409	1.340e-02	13.431	0.012	13.447	0.012	13.470	0.013	13.567	0.013
65	13.254	1.580e-02	13.266	0.014	13.279	0.013	13.292	0.013	13.360	0.010
70	13.141	1.480e-02	13.144	0.015	13.150	0.014	13.153	0.012	13.203	0.011
75	13.006	1.700e-02	13.023	0.016	13.031	0.016	13.036	0.015	13.067	0.013
80	12.932	1.520e-02	12.936	0.016	12.947	0.016	12.955	0.016	12.974	0.014
85	12.829	1.390e-02	12.832	0.013	12.835	0.012	12.841	0.011	12.860	0.011
90	12.773	1.550e-02	12.780	0.015	12.783	0.015	12.784	0.014	12.802	0.014
95	12.727	1.550e-02	12.726	0.015	12.731	0.014	12.734	0.013	12.736	0.014
100	12.673	1.740e-02	12.678	0.015	12.682	0.014	12.682	0.013	12.690	0.012
125	12.431	1.510e-02	12.441	0.015	12.436	0.015	12.438	0.016	12.440	0.014
150	12.319	2.270e-02	12.325	0.019	12.330	0.019	12.329	0.019	12.326	0.017
175	12.237	2.040e-02	12.216	0.019	12.218	0.018	12.221	0.017	12.218	0.015
200	12.169	2.400e-02	12.176	0.024	12.184	0.023	12.174	0.022	12.185	0.020
225	12.125	3.270e-02	12.130	0.031	12.123	0.031	12.129	0.030	12.111	0.029
250	12.012	3.070e-02	12.018	0.032	12.003	0.029	12.012	0.028	12.033	0.028
275	12.050	1.986e-01	12.143	0.184	12.041	0.169	12.057	0.156	12.050	0.170
300	12.483	2.039e-01	12.403	0.240	12.204	0.187	12.314	0.185	12.374	0.186
325	12.393	2.213e-01	12.240	0.213	12.297	0.175	12.388	0.175	12.257	0.165
350	12.396	1.443e-01	12.116	0.139	12.230	0.135	12.027	0.110	11.959	0.163
375	12.796	3.624e-01	12.229	0.310	12.282	0.282	12.331	0.224	12.086	0.213
400	13.106	3.578e-01	12.684	0.313	12.572	0.344	12.479	0.352	12.505	0.297
425	13.102	3.048e-01	13.167	0.437	13.087	0.400	12.884	0.318	12.950	0.290
450	13.086	4.254e-01	12.878	0.444	12.788	0.482	12.878	0.499	12.244	0.414
475	13.670	6.075e-01	13.281	0.481	13.277	0.474	13.467	0.494	12.950	0.398
500	13.175	4.264e-01	13.529	0.724	13.387	0.653	13.905	0.516	13.422	0.472

n	Control Limits $h_n, \alpha=0.005, p=2$									
	3	$se_{3,0.005}$	20	$se_{20,0.005}$	25	$se_{25,0.005}$	30	$se_{30,0.005}$	40	$se_{40,0.005}$
4	705000.000	1.550e+04	-	-	-	-	-	-	-	-
5	2291.100	2.065e+01	-	-	-	-	-	-	-	-
6	363.660	2.167e+00	-	-	-	-	-	-	-	-
7	149.150	8.280e-01	-	-	-	-	-	-	-	-
8	89.472	2.705e-01	-	-	-	-	-	-	-	-
9	64.417	2.179e-01	-	-	-	-	-	-	-	-
10	50.996	1.176e-01	-	-	-	-	-	-	-	-
11	42.814	8.970e-02	-	-	-	-	-	-	-	-
12	37.361	4.780e-02	-	-	-	-	-	-	-	-
13	33.759	6.750e-02	-	-	-	-	-	-	-	-
14	30.858	5.770e-02	-	-	-	-	-	-	-	-
15	28.685	4.900e-02	-	-	-	-	-	-	-	-
16	27.054	4.450e-02	-	-	-	-	-	-	-	-
17	25.547	3.930e-02	-	-	-	-	-	-	-	-
18	24.463	4.250e-02	-	-	-	-	-	-	-	-
19	23.503	3.600e-02	-	-	-	-	-	-	-	-
20	22.783	2.770e-02	-	-	-	-	-	-	-	-
21	22.052	3.210e-02	27.522	0.071	-	-	-	-	-	-
22	21.487	3.150e-02	24.314	0.044	-	-	-	-	-	-
23	20.939	2.680e-02	22.696	0.035	-	-	-	-	-	-
24	20.514	2.370e-02	21.715	0.025	-	-	-	-	-	-
25	20.100	2.370e-02	20.961	0.023	-	-	-	-	-	-
26	19.692	2.350e-02	20.346	0.025	24.928	0.040	-	-	-	-
27	19.347	2.230e-02	19.864	0.020	22.261	0.022	-	-	-	-
28	19.083	2.160e-02	19.501	0.020	20.975	0.023	-	-	-	-
29	18.822	1.710e-02	19.129	0.017	20.147	0.020	-	-	-	-
30	18.573	2.400e-02	18.823	0.021	19.529	0.021	-	-	-	-
31	18.383	1.710e-02	18.595	0.017	19.112	0.017	23.400	0.038	-	-
32	18.176	1.610e-02	18.356	0.017	18.751	0.019	21.080	0.029	-	-
33	17.953	2.320e-02	18.122	0.021	18.443	0.020	19.939	0.025	-	-
34	17.778	2.110e-02	17.921	0.022	18.175	0.021	19.187	0.022	-	-
35	17.624	2.760e-02	17.742	0.024	17.954	0.020	18.668	0.025	-	-
36	17.465	2.010e-02	17.578	0.018	17.753	0.018	18.305	0.020	-	-
37	17.364	2.260e-02	17.460	0.019	17.599	0.019	18.000	0.020	-	-
38	17.210	2.180e-02	17.296	0.020	17.416	0.021	17.747	0.020	-	-
39	17.098	1.860e-02	17.179	0.017	17.273	0.018	17.537	0.017	-	-
40	16.986	1.800e-02	17.059	0.015	17.134	0.016	17.354	0.016	-	-
41	16.854	1.850e-02	16.919	0.017	16.997	0.017	17.176	0.016	21.806	0.031
42	16.770	1.930e-02	16.826	0.019	16.903	0.017	17.060	0.015	19.776	0.022
43	16.658	1.990e-02	16.709	0.017	16.772	0.018	16.903	0.017	18.760	0.017
44	16.552	2.050e-02	16.597	0.016	16.645	0.015	16.759	0.016	18.108	0.015
45	16.463	2.090e-02	16.493	0.019	16.537	0.017	16.624	0.017	17.637	0.018
46	16.371	2.080e-02	16.403	0.020	16.449	0.019	16.530	0.019	17.309	0.016
47	16.284	2.110e-02	16.336	0.018	16.372	0.017	16.446	0.018	17.075	0.020
48	16.244	1.470e-02	16.279	0.013	16.308	0.012	16.378	0.014	16.883	0.014
49	16.176	1.990e-02	16.208	0.017	16.236	0.016	16.292	0.016	16.700	0.014
50	16.105	1.780e-02	16.134	0.015	16.161	0.014	16.220	0.013	16.554	0.013
55	15.808	1.910e-02	15.840	0.018	15.861	0.017	15.889	0.017	16.055	0.015
60	15.579	1.560e-02	15.595	0.013	15.607	0.014	15.627	0.013	15.717	0.012
65	15.395	1.740e-02	15.403	0.016	15.418	0.016	15.431	0.015	15.498	0.014
70	15.213	1.780e-02	15.226	0.018	15.235	0.018	15.238	0.017	15.278	0.016
75	15.062	1.820e-02	15.087	0.019	15.096	0.018	15.104	0.017	15.127	0.017
80	14.971	1.840e-02	14.977	0.016	14.981	0.016	14.986	0.015	15.005	0.014
85	14.831	1.770e-02	14.840	0.019	14.845	0.018	14.845	0.018	14.862	0.018
90	14.760	1.440e-02	14.755	0.014	14.759	0.015	14.771	0.013	14.783	0.012
95	14.696	1.450e-02	14.701	0.012	14.703	0.012	14.703	0.012	14.711	0.012
100	14.625	2.060e-02	14.633	0.019	14.636	0.019	14.639	0.018	14.655	0.019
125	14.371	1.660e-02	14.352	0.016	14.355	0.015	14.358	0.015	14.363	0.016
150	14.164	2.020e-02	14.163	0.017	14.165	0.017	14.173	0.018	14.175	0.016
175	14.089	2.620e-02	14.089	0.025	14.089	0.025	14.087	0.024	14.088	0.022
200	13.968	1.610e-02	13.978	0.016	13.968	0.016	13.973	0.016	13.970	0.015
225	13.924	2.030e-02	13.937	0.023	13.938	0.023	13.936	0.022	13.933	0.022
250	13.846	2.400e-02	13.849	0.025	13.858	0.024	13.862	0.025	13.860	0.022
275	13.754	8.340e-02	13.773	0.089	13.747	0.083	13.771	0.081	13.786	0.096
300	13.823	1.012e-01	13.800	0.123	13.771	0.115	13.796	0.117	13.773	0.101
325	13.902	1.012e-01	13.841	0.091	13.825	0.085	13.853	0.116	13.853	0.094
350	13.949	1.493e-01	13.813	0.135	13.836	0.137	13.893	0.141	13.837	0.132
375	13.928	1.556e-01	13.988	0.136	13.933	0.118	13.978	0.135	13.928	0.096
400	13.935	1.709e-01	13.965	0.161	13.881	0.159	13.920	0.168	13.964	0.167
425	13.672	1.995e-01	13.458	0.189	13.722	0.245	13.700	0.226	13.839	0.225
450	14.229	2.151e-01	14.089	0.187	14.026	0.184	14.051	0.182	13.980	0.118
475	13.650	1.989e-01	13.792	0.248	13.856	0.233	13.852	0.223	13.648	0.247
500	14.049	2.632e-01	13.966	0.235	13.903	0.231	13.994	0.222	14.081	0.215

n	Control Limits $h_{n, \alpha=0.002, p=2}$									
	3	$se_{3,0.002}$	20	$se_{20,0.002}$	25	$se_{25,0.002}$	30	$se_{30,0.002}$	40	$se_{40,0.002}$
4	4.5900e+06	1.780e+05	-	-	-	-	-	-	-	-
5	5.7583e+03	7.331e+01	-	-	-	-	-	-	-	-
6	6.8490e+02	7.905e+00	-	-	-	-	-	-	-	-
7	2.4492e+02	1.956e+00	-	-	-	-	-	-	-	-
8	1.3554e+02	6.243e-01	-	-	-	-	-	-	-	-
9	9.1898e+01	4.165e-01	-	-	-	-	-	-	-	-
10	7.0403e+01	3.187e-01	-	-	-	-	-	-	-	-
11	5.7731e+01	1.784e-01	-	-	-	-	-	-	-	-
12	4.9538e+01	1.438e-01	-	-	-	-	-	-	-	-
13	4.3895e+01	1.205e-01	-	-	-	-	-	-	-	-
14	3.9889e+01	1.228e-01	-	-	-	-	-	-	-	-
15	3.6791e+01	1.121e-01	-	-	-	-	-	-	-	-
16	3.4314e+01	7.760e-02	-	-	-	-	-	-	-	-
17	3.2340e+01	7.220e-02	-	-	-	-	-	-	-	-
18	3.0698e+01	6.030e-02	-	-	-	-	-	-	-	-
19	2.9235e+01	6.210e-02	-	-	-	-	-	-	-	-
20	2.8273e+01	5.800e-02	-	-	-	-	-	-	-	-
21	2.7254e+01	6.110e-02	32.790	0.116	-	-	-	-	-	-
22	2.6453e+01	5.420e-02	29.172	0.067	-	-	-	-	-	-
23	2.5745e+01	5.320e-02	27.464	0.061	-	-	-	-	-	-
24	2.5120e+01	4.910e-02	26.236	0.061	-	-	-	-	-	-
25	2.4567e+01	3.770e-02	25.310	0.047	-	-	-	-	-	-
26	2.4054e+01	4.040e-02	24.587	0.041	29.372	0.058	-	-	-	-
27	2.3593e+01	3.040e-02	24.027	0.033	26.378	0.054	-	-	-	-
28	2.3202e+01	3.540e-02	23.559	0.033	24.934	0.041	-	-	-	-
29	2.2884e+01	3.760e-02	23.140	0.034	24.075	0.043	-	-	-	-
30	2.2527e+01	3.940e-02	22.739	0.039	23.374	0.035	-	-	-	-
31	2.2216e+01	3.440e-02	22.400	0.037	22.875	0.036	27.165	0.070	-	-
32	2.1946e+01	3.360e-02	22.107	0.032	22.486	0.034	24.785	0.051	-	-
33	2.1661e+01	3.270e-02	21.815	0.030	22.111	0.032	23.514	0.038	-	-
34	2.1410e+01	3.100e-02	21.538	0.028	21.744	0.030	22.753	0.036	-	-
35	2.1136e+01	3.970e-02	21.259	0.043	21.441	0.038	22.165	0.043	-	-
36	2.0993e+01	3.440e-02	21.084	0.038	21.229	0.036	21.753	0.036	-	-
37	2.0826e+01	4.200e-02	20.895	0.039	21.007	0.038	21.403	0.033	-	-
38	2.0697e+01	3.870e-02	20.765	0.038	20.847	0.035	21.175	0.033	-	-
39	2.0545e+01	3.550e-02	20.602	0.034	20.690	0.033	20.937	0.031	-	-
40	2.0372e+01	3.730e-02	20.422	0.032	20.488	0.033	20.705	0.030	-	-
41	2.0214e+01	2.960e-02	20.267	0.026	20.322	0.028	20.485	0.029	25.048	0.055
42	2.0087e+01	2.460e-02	20.119	0.026	20.170	0.026	20.310	0.023	22.921	0.040
43	1.9964e+01	2.680e-02	19.989	0.026	20.035	0.027	20.147	0.026	21.903	0.028
44	1.9786e+01	3.460e-02	19.819	0.033	19.872	0.033	19.965	0.031	21.213	0.033
45	1.9622e+01	3.150e-02	19.653	0.030	19.702	0.029	19.777	0.027	20.717	0.024
46	1.9516e+01	2.520e-02	19.552	0.027	19.600	0.025	19.670	0.027	20.410	0.028
47	1.9414e+01	3.070e-02	19.451	0.033	19.483	0.031	19.552	0.034	20.115	0.034
48	1.9356e+01	3.440e-02	19.387	0.034	19.421	0.034	19.478	0.032	19.915	0.029
49	1.9238e+01	2.560e-02	19.276	0.024	19.299	0.023	19.345	0.022	19.723	0.023
50	1.9193e+01	3.410e-02	19.213	0.031	19.233	0.031	19.280	0.029	19.564	0.027
55	1.8765e+01	2.890e-02	18.789	0.028	18.805	0.028	18.841	0.027	18.980	0.025
60	1.8469e+01	2.230e-02	18.484	0.024	18.488	0.024	18.501	0.024	18.581	0.021
65	1.8220e+01	2.720e-02	18.234	0.028	18.243	0.028	18.250	0.027	18.304	0.026
70	1.8007e+01	2.580e-02	18.013	0.026	18.027	0.025	18.031	0.025	18.071	0.025
75	1.7825e+01	2.250e-02	17.829	0.020	17.830	0.020	17.839	0.020	17.872	0.020
80	1.7713e+01	2.760e-02	17.712	0.027	17.714	0.025	17.719	0.026	17.734	0.025
85	1.7541e+01	2.330e-02	17.538	0.023	17.541	0.022	17.548	0.022	17.558	0.022
90	1.7371e+01	1.900e-02	17.379	0.019	17.381	0.018	17.387	0.018	17.402	0.019
95	1.7333e+01	3.020e-02	17.332	0.029	17.329	0.030	17.329	0.030	17.341	0.027
100	1.7218e+01	2.290e-02	17.213	0.022	17.214	0.022	17.222	0.023	17.230	0.022
125	1.6852e+01	2.360e-02	16.845	0.022	16.844	0.023	16.845	0.023	16.847	0.023
150	1.6671e+01	3.130e-02	16.665	0.029	16.661	0.029	16.660	0.029	16.662	0.029
175	1.6493e+01	2.490e-02	16.499	0.027	16.500	0.027	16.499	0.028	16.508	0.028
200	1.6347e+01	1.980e-02	16.343	0.019	16.345	0.019	16.341	0.017	16.351	0.018
225	1.6305e+01	2.290e-02	16.312	0.023	16.313	0.024	16.313	0.024	16.309	0.023
250	1.6216e+01	2.140e-02	16.211	0.022	16.207	0.022	16.202	0.022	16.207	0.021
275	1.6271e+01	8.380e-02	16.303	0.111	16.320	0.114	16.346	0.117	16.339	0.113
300	1.6024e+01	1.528e-01	16.091	0.142	16.125	0.154	16.151	0.164	16.020	0.141
325	1.6295e+01	1.081e-01	16.259	0.102	16.255	0.111	16.332	0.121	16.288	0.113
350	1.6300e+01	1.560e-01	16.284	0.159	16.257	0.159	16.256	0.159	16.201	0.167
375	1.6141e+01	2.259e-01	15.987	0.205	15.975	0.203	15.954	0.204	15.988	0.186
400	1.6111e+01	1.471e-01	16.174	0.160	16.241	0.139	16.142	0.129	15.988	0.108
425	1.5833e+01	1.429e-01	15.811	0.139	15.842	0.132	15.835	0.129	15.851	0.139
450	1.6132e+01	1.165e-01	16.208	0.112	16.257	0.126	16.174	0.131	16.053	0.140
475	1.5995e+01	1.400e-01	16.109	0.122	16.066	0.130	16.053	0.126	16.098	0.112
500	1.6042e+01	1.588e-01	15.994	0.144	15.823	0.114	15.849	0.119	15.849	0.133

n	Control Limits $h_{n, \alpha=0.001, p=2}$									
	3	$se_{3,0.001}$	20	$se_{20,0.001}$	25	$se_{25,0.001}$	30	$se_{30,0.001}$	40	$se_{40,0.001}$
4	1.9500e+07	1.180e+06	-	-	-	-	-	-	-	-
5	1.1853e+04	2.497e+02	-	-	-	-	-	-	-	-
6	1.1022e+03	2.023e+01	-	-	-	-	-	-	-	-
7	3.5452e+02	3.313e+00	-	-	-	-	-	-	-	-
8	1.8395e+02	1.490e+00	-	-	-	-	-	-	-	-
9	1.1915e+02	8.972e-01	-	-	-	-	-	-	-	-
10	8.9128e+01	5.107e-01	-	-	-	-	-	-	-	-
11	7.1238e+01	3.808e-01	-	-	-	-	-	-	-	-
12	6.0437e+01	2.199e-01	-	-	-	-	-	-	-	-
13	5.3019e+01	1.981e-01	-	-	-	-	-	-	-	-
14	4.7685e+01	2.241e-01	-	-	-	-	-	-	-	-
15	4.3699e+01	2.107e-01	-	-	-	-	-	-	-	-
16	4.0676e+01	1.191e-01	-	-	-	-	-	-	-	-
17	3.8072e+01	1.086e-01	-	-	-	-	-	-	-	-
18	3.6122e+01	1.182e-01	-	-	-	-	-	-	-	-
19	3.4061e+01	8.580e-02	-	-	-	-	-	-	-	-
20	3.2669e+01	1.117e-01	-	-	-	-	-	-	-	-
21	3.1492e+01	1.024e-01	37.107	0.169	-	-	-	-	-	-
22	3.0478e+01	8.370e-02	33.138	0.106	-	-	-	-	-	-
23	2.9688e+01	8.330e-02	31.274	0.060	-	-	-	-	-	-
24	2.8879e+01	7.110e-02	29.921	0.068	-	-	-	-	-	-
25	2.8125e+01	6.910e-02	28.864	0.080	-	-	-	-	-	-
26	2.7476e+01	6.670e-02	28.061	0.058	32.953	0.106	-	-	-	-
27	2.6964e+01	6.900e-02	27.371	0.067	29.766	0.068	-	-	-	-
28	2.6489e+01	5.250e-02	26.790	0.048	28.235	0.061	-	-	-	-
29	2.6024e+01	6.800e-02	26.299	0.069	27.226	0.064	-	-	-	-
30	2.5612e+01	6.590e-02	25.823	0.065	26.438	0.070	-	-	-	-
31	2.5143e+01	5.260e-02	25.351	0.054	25.824	0.067	30.279	0.099	-	-
32	2.4963e+01	5.230e-02	25.082	0.049	25.426	0.051	27.644	0.067	-	-
33	2.4549e+01	4.720e-02	24.657	0.051	24.867	0.050	26.408	0.065	-	-
34	2.4261e+01	5.420e-02	24.367	0.053	24.565	0.060	25.555	0.070	-	-
35	2.4070e+01	4.970e-02	24.161	0.047	24.325	0.048	25.000	0.047	-	-
36	2.3777e+01	5.980e-02	23.857	0.062	23.989	0.063	24.466	0.054	-	-
37	2.3637e+01	4.440e-02	23.695	0.043	23.788	0.047	24.135	0.054	-	-
38	2.3370e+01	4.410e-02	23.426	0.043	23.512	0.043	23.821	0.051	-	-
39	2.3185e+01	3.800e-02	23.233	0.041	23.288	0.039	23.498	0.045	-	-
40	2.2968e+01	4.110e-02	23.024	0.040	23.117	0.045	23.315	0.040	-	-
41	2.2830e+01	5.250e-02	22.865	0.056	22.919	0.055	23.074	0.055	27.624	0.079
42	2.2659e+01	4.200e-02	22.697	0.043	22.768	0.043	22.876	0.042	25.413	0.058
43	2.2506e+01	3.970e-02	22.553	0.037	22.594	0.037	22.684	0.039	24.358	0.050
44	2.2277e+01	4.560e-02	22.327	0.042	22.366	0.041	22.441	0.041	23.620	0.042
45	2.2137e+01	4.270e-02	22.173	0.039	22.206	0.038	22.283	0.039	23.183	0.040
46	2.2060e+01	4.340e-02	22.093	0.043	22.123	0.044	22.207	0.042	22.873	0.048
47	2.1900e+01	3.900e-02	21.936	0.039	21.955	0.037	22.021	0.035	22.556	0.037
48	2.1793e+01	3.690e-02	21.806	0.036	21.829	0.036	21.886	0.033	22.284	0.035
49	2.1657e+01	3.830e-02	21.674	0.041	21.701	0.041	21.736	0.040	22.105	0.040
50	2.1569e+01	4.840e-02	21.592	0.049	21.608	0.050	21.639	0.049	21.918	0.043
55	2.1047e+01	3.090e-02	21.066	0.031	21.087	0.029	21.119	0.028	21.250	0.031
60	2.0713e+01	4.030e-02	20.724	0.039	20.733	0.039	20.744	0.038	20.838	0.040
65	2.0395e+01	3.890e-02	20.412	0.038	20.417	0.039	20.434	0.039	20.490	0.039
70	2.0139e+01	3.750e-02	20.148	0.045	20.153	0.045	20.158	0.044	20.190	0.042
75	1.9921e+01	3.970e-02	19.934	0.040	19.930	0.040	19.941	0.040	19.965	0.038
80	1.9757e+01	4.260e-02	19.762	0.042	19.766	0.043	19.770	0.042	19.783	0.041
85	1.9569e+01	3.610e-02	19.570	0.036	19.575	0.035	19.581	0.035	19.591	0.034
90	1.9457e+01	3.800e-02	19.453	0.037	19.459	0.036	19.461	0.037	19.462	0.036
95	1.9353e+01	4.010e-02	19.353	0.040	19.352	0.039	19.359	0.039	19.362	0.038
100	1.9197e+01	2.630e-02	19.197	0.026	19.196	0.026	19.201	0.025	19.211	0.027
125	1.8810e+01	3.320e-02	18.790	0.032	18.794	0.032	18.792	0.033	18.800	0.033
150	1.8481e+01	3.830e-02	18.473	0.037	18.484	0.036	18.480	0.036	18.482	0.035
175	1.8349e+01	3.830e-02	18.350	0.037	18.351	0.038	18.351	0.037	18.350	0.035
200	1.8145e+01	3.310e-02	18.154	0.033	18.142	0.032	18.148	0.032	18.149	0.031
225	1.8081e+01	2.290e-02	18.083	0.023	18.077	0.023	18.079	0.022	18.079	0.019
250	1.7945e+01	4.200e-02	17.948	0.040	17.952	0.041	17.950	0.041	17.954	0.041
275	1.7974e+01	1.403e-01	17.974	0.142	17.962	0.140	17.954	0.139	17.841	0.161
300	1.8088e+01	1.900e-01	18.112	0.206	18.116	0.203	18.086	0.201	18.091	0.205
325	1.8226e+01	1.632e-01	18.213	0.164	18.206	0.164	18.198	0.163	18.197	0.163
350	1.8031e+01	1.400e-01	17.990	0.131	17.980	0.131	17.971	0.130	17.979	0.142
375	1.7828e+01	1.501e-01	17.821	0.152	17.814	0.152	17.807	0.152	17.827	0.150
400	1.7806e+01	1.740e-01	17.698	0.182	17.698	0.183	17.714	0.186	17.713	0.185
425	1.7573e+01	1.136e-01	17.592	0.101	17.631	0.099	17.683	0.112	17.538	0.109
450	1.8022e+01	1.933e-01	18.049	0.178	18.117	0.195	18.076	0.185	18.097	0.188
475	1.7727e+01	1.612e-01	17.752	0.162	17.800	0.133	17.793	0.133	17.813	0.141
500	1.7779e+01	1.817e-01	17.746	0.187	17.784	0.167	17.765	0.168	17.823	0.164

n	Control Limits $h_{p, \alpha=0.0005, p=2}$									
	3	$se_{3,0.0005}$	20	$se_{20,0.0005}$	25	$se_{25,0.0005}$	30	$se_{30,0.0005}$	40	$se_{40,0.0005}$
4	9.2400e+07	1.490e+07	-	-	-	-	-	-	-	-
5	2.4402e+04	7.942e+02	-	-	-	-	-	-	-	-
6	1.7663e+03	3.856e+01	-	-	-	-	-	-	-	-
7	5.1431e+02	8.207e+00	-	-	-	-	-	-	-	-
8	2.5000e+02	2.399e+00	-	-	-	-	-	-	-	-
9	1.5749e+02	1.579e+00	-	-	-	-	-	-	-	-
10	1.1291e+02	1.189e+00	-	-	-	-	-	-	-	-
11	8.8036e+01	7.068e-01	-	-	-	-	-	-	-	-
12	7.4387e+01	4.967e-01	-	-	-	-	-	-	-	-
13	6.3456e+01	2.653e-01	-	-	-	-	-	-	-	-
14	5.6718e+01	3.557e-01	-	-	-	-	-	-	-	-
15	5.1649e+01	3.368e-01	-	-	-	-	-	-	-	-
16	4.7212e+01	2.248e-01	-	-	-	-	-	-	-	-
17	4.4417e+01	2.278e-01	-	-	-	-	-	-	-	-
18	4.1889e+01	1.826e-01	-	-	-	-	-	-	-	-
19	3.9508e+01	1.639e-01	-	-	-	-	-	-	-	-
20	3.7714e+01	1.330e-01	-	-	-	-	-	-	-	-
21	3.6130e+01	1.541e-01	41.762	0.252	-	-	-	-	-	-
22	3.4825e+01	1.476e-01	37.358	0.161	-	-	-	-	-	-
23	3.3806e+01	1.196e-01	35.244	0.145	-	-	-	-	-	-
24	3.2882e+01	1.188e-01	33.856	0.120	-	-	-	-	-	-
25	3.2102e+01	1.003e-01	32.853	0.122	-	-	-	-	-	-
26	3.1247e+01	9.070e-02	31.811	0.097	36.762	0.179	-	-	-	-
27	3.0554e+01	7.980e-02	30.981	0.086	33.356	0.105	-	-	-	-
28	2.9910e+01	7.260e-02	30.265	0.067	31.624	0.099	-	-	-	-
29	2.9423e+01	8.610e-02	29.640	0.082	30.453	0.080	-	-	-	-
30	2.8913e+01	9.180e-02	29.106	0.094	29.661	0.111	-	-	-	-
31	2.8382e+01	9.850e-02	28.609	0.092	28.977	0.094	33.585	0.134	-	-
32	2.8020e+01	8.120e-02	28.204	0.075	28.522	0.069	30.749	0.128	-	-
33	2.7645e+01	1.002e-01	27.758	0.099	27.996	0.094	29.339	0.129	-	-
34	2.7332e+01	8.390e-02	27.452	0.079	27.668	0.091	28.551	0.092	-	-
35	2.7038e+01	8.280e-02	27.141	0.074	27.277	0.076	27.912	0.088	-	-
36	2.6732e+01	8.510e-02	26.818	0.080	26.991	0.078	27.388	0.078	-	-
37	2.6373e+01	8.150e-02	26.445	0.077	26.557	0.077	26.940	0.074	-	-
38	2.6182e+01	9.560e-02	26.257	0.092	26.345	0.089	26.640	0.079	-	-
39	2.5844e+01	7.280e-02	25.902	0.079	25.902	0.078	26.217	0.067	-	-
40	2.5660e+01	6.240e-02	25.736	0.060	25.784	0.060	25.919	0.059	-	-
41	2.5457e+01	1.078e-01	25.536	0.109	25.587	0.107	25.715	0.103	30.134	0.123
42	2.5248e+01	7.070e-02	25.298	0.070	25.377	0.068	25.495	0.066	27.955	0.084
43	2.5004e+01	6.450e-02	25.082	0.066	25.150	0.070	25.263	0.072	26.846	0.070
44	2.4741e+01	7.280e-02	24.790	0.073	24.829	0.073	24.937	0.070	26.141	0.071
45	2.4628e+01	5.790e-02	24.671	0.057	24.707	0.060	24.770	0.056	25.660	0.053
46	2.4560e+01	7.340e-02	24.585	0.072	24.617	0.073	24.687	0.070	25.383	0.067
47	2.4366e+01	7.910e-02	24.382	0.079	24.421	0.080	24.480	0.079	24.992	0.075
48	2.4225e+01	7.830e-02	24.226	0.079	24.241	0.077	24.284	0.076	24.696	0.068
49	2.4196e+01	7.770e-02	24.201	0.078	24.220	0.078	24.268	0.077	24.624	0.072
50	2.4044e+01	6.260e-02	24.038	0.067	24.070	0.065	24.112	0.063	24.387	0.059
55	2.3441e+01	5.980e-02	23.422	0.059	23.443	0.059	23.466	0.062	23.605	0.060
60	2.3044e+01	5.990e-02	23.045	0.059	23.057	0.058	23.065	0.059	23.164	0.057
65	2.2695e+01	5.450e-02	22.703	0.053	22.701	0.052	22.706	0.052	22.749	0.052
70	2.2273e+01	5.290e-02	22.284	0.053	22.284	0.052	22.270	0.051	22.308	0.055
75	2.2056e+01	6.260e-02	22.080	0.063	22.079	0.063	22.080	0.063	22.092	0.062
80	2.1823e+01	6.810e-02	21.839	0.069	21.851	0.068	21.858	0.068	21.855	0.066
85	2.1523e+01	5.260e-02	21.527	0.052	21.538	0.051	21.549	0.051	21.560	0.050
90	2.1489e+01	5.010e-02	21.479	0.051	21.488	0.051	21.490	0.051	21.496	0.051
95	2.1361e+01	5.770e-02	21.338	0.057	21.343	0.057	21.345	0.057	21.374	0.057
100	2.1144e+01	5.910e-02	21.128	0.057	21.131	0.058	21.139	0.058	21.172	0.056
125	2.0753e+01	4.880e-02	20.760	0.047	20.761	0.047	20.764	0.047	20.759	0.046
150	2.0328e+01	4.990e-02	20.336	0.049	20.320	0.052	20.326	0.052	20.335	0.049
175	2.0219e+01	5.580e-02	20.212	0.057	20.215	0.057	20.212	0.057	20.221	0.056
200	1.9966e+01	4.380e-02	19.972	0.044	19.966	0.044	19.952	0.044	19.955	0.044
225	1.9829e+01	4.500e-02	19.823	0.046	19.824	0.046	19.821	0.046	19.829	0.046
250	1.9726e+01	5.720e-02	19.735	0.056	19.743	0.056	19.737	0.057	19.720	0.056
275	1.9825e+01	2.013e-01	19.867	0.205	19.863	0.205	19.859	0.204	19.952	0.254
300	2.0223e+01	2.236e-01	20.254	0.208	20.248	0.208	20.242	0.208	20.281	0.213
325	1.9887e+01	1.708e-01	19.889	0.169	19.886	0.168	19.967	0.148	19.999	0.137
350	2.0083e+01	2.272e-01	20.183	0.231	20.179	0.231	20.347	0.317	20.334	0.314
375	1.9399e+01	2.632e-01	19.398	0.261	19.395	0.261	19.392	0.260	19.421	0.254
400	1.9491e+01	1.858e-01	19.484	0.186	19.480	0.185	19.477	0.185	19.521	0.162
425	1.9483e+01	2.290e-01	19.467	0.226	19.476	0.224	19.471	0.223	19.465	0.219
450	2.0324e+01	2.690e-01	20.328	0.263	20.336	0.257	20.447	0.265	20.438	0.264
475	1.9589e+01	1.436e-01	19.581	0.138	19.577	0.137	19.573	0.136	19.670	0.150
500	1.9199e+01	8.280e-02	19.239	0.095	19.238	0.095	19.237	0.095	19.252	0.097

n	Control Limits $h_{n,\alpha=0.01,p=3}$									
	4	$se_{4,0.01}$	20	$se_{20,0.01}$	25	$se_{25,0.01}$	30	$se_{30,0.01}$	40	$se_{40,0.01}$
5	76000.000	1.080e+04	-	-	-	-	-	-	-	-
6	2836.400	2.017e+01	-	-	-	-	-	-	-	-
7	451.170	2.263e+00	-	-	-	-	-	-	-	-
8	184.170	6.539e-01	-	-	-	-	-	-	-	-
9	108.190	2.644e-01	-	-	-	-	-	-	-	-
10	76.746	1.316e-01	-	-	-	-	-	-	-	-
11	60.175	8.160e-02	-	-	-	-	-	-	-	-
12	49.937	6.160e-02	-	-	-	-	-	-	-	-
13	43.348	6.500e-02	-	-	-	-	-	-	-	-
14	38.629	5.050e-02	-	-	-	-	-	-	-	-
15	35.153	4.550e-02	-	-	-	-	-	-	-	-
16	32.521	4.460e-02	-	-	-	-	-	-	-	-
17	30.490	3.450e-02	-	-	-	-	-	-	-	-
18	28.809	3.030e-02	-	-	-	-	-	-	-	-
19	27.393	2.770e-02	-	-	-	-	-	-	-	-
20	26.277	2.940e-02	-	-	-	-	-	-	-	-
21	25.258	2.030e-02	32.042	0.039	-	-	-	-	-	-
22	24.449	2.060e-02	28.016	0.034	-	-	-	-	-	-
23	23.710	2.530e-02	25.937	0.027	-	-	-	-	-	-
24	23.078	2.610e-02	24.578	0.027	-	-	-	-	-	-
25	22.556	2.150e-02	23.595	0.020	-	-	-	-	-	-
26	22.063	2.800e-02	22.874	0.024	28.314	0.043	-	-	-	-
27	21.654	2.390e-02	22.271	0.021	25.128	0.029	-	-	-	-
28	21.243	2.080e-02	21.738	0.021	23.503	0.022	-	-	-	-
29	20.869	2.220e-02	21.270	0.017	22.483	0.020	-	-	-	-
30	20.559	1.730e-02	20.862	0.015	21.734	0.019	-	-	-	-
31	20.277	2.160e-02	20.549	0.018	21.178	0.018	26.181	0.035	-	-
32	19.985	1.730e-02	20.221	0.015	20.710	0.017	23.457	0.025	-	-
33	19.776	1.460e-02	19.964	0.013	20.346	0.015	22.093	0.016	-	-
34	19.537	1.870e-02	19.696	0.018	20.011	0.016	21.228	0.018	-	-
35	19.343	1.580e-02	19.484	0.015	19.735	0.014	20.599	0.019	-	-
36	19.117	1.760e-02	19.240	0.017	19.462	0.015	20.126	0.017	-	-
37	18.952	1.720e-02	19.069	0.017	19.245	0.015	19.757	0.014	-	-
38	18.782	2.000e-02	18.882	0.018	19.040	0.017	19.446	0.014	-	-
39	18.631	1.870e-02	18.719	0.019	18.850	0.017	19.169	0.016	-	-
40	18.476	1.420e-02	18.550	0.014	18.667	0.012	18.927	0.012	-	-
41	18.328	1.450e-02	18.397	0.013	18.495	0.014	18.721	0.010	23.948	0.030
42	18.226	1.880e-02	18.281	0.016	18.354	0.014	18.536	0.013	21.664	0.015
43	18.084	1.290e-02	18.144	0.013	18.215	0.012	18.366	0.011	20.517	0.014
44	17.978	1.980e-02	18.032	0.016	18.095	0.015	18.229	0.013	19.783	0.014
45	17.889	1.710e-02	17.926	0.014	17.985	0.013	18.095	0.013	19.276	0.012
46	17.787	1.520e-02	17.819	0.014	17.861	0.014	17.962	0.012	18.899	0.012
47	17.689	1.900e-02	17.725	0.019	17.765	0.017	17.848	0.016	18.583	0.012
48	17.617	2.120e-02	17.642	0.020	17.678	0.018	17.753	0.016	18.350	0.014
49	17.497	1.610e-02	17.537	0.014	17.575	0.014	17.650	0.014	18.137	0.012
50	17.423	1.550e-02	17.463	0.016	17.495	0.014	17.558	0.015	17.956	0.013
55	17.054	1.480e-02	17.079	0.013	17.101	0.013	17.139	0.011	17.349	0.010
60	16.762	1.370e-02	16.775	0.014	16.789	0.012	16.808	0.011	16.925	0.011
65	16.541	1.970e-02	16.557	0.019	16.572	0.018	16.585	0.017	16.654	0.016
70	16.339	2.090e-02	16.344	0.018	16.350	0.017	16.361	0.016	16.399	0.014
75	16.159	1.840e-02	16.172	0.016	16.175	0.014	16.185	0.014	16.223	0.013
80	15.993	1.540e-02	15.997	0.013	16.007	0.013	16.009	0.014	16.033	0.013
85	15.890	1.970e-02	15.895	0.018	15.898	0.018	15.906	0.016	15.925	0.013
90	15.792	1.960e-02	15.793	0.015	15.803	0.015	15.808	0.015	15.824	0.014
95	15.685	1.540e-02	15.681	0.013	15.685	0.013	15.694	0.013	15.715	0.014
100	15.615	1.590e-02	15.618	0.013	15.619	0.013	15.617	0.013	15.620	0.012
125	15.287	1.870e-02	15.291	0.018	15.296	0.016	15.305	0.016	15.313	0.015
150	15.061	2.390e-02	15.071	0.020	15.081	0.020	15.085	0.019	15.081	0.018
175	14.902	2.210e-02	14.914	0.022	14.915	0.022	14.910	0.020	14.924	0.021
200	14.803	3.260e-02	14.802	0.030	14.805	0.026	14.817	0.025	14.836	0.024
225	14.733	2.670e-02	14.734	0.024	14.729	0.026	14.729	0.028	14.741	0.028
250	14.675	4.030e-02	14.681	0.038	14.683	0.040	14.679	0.038	14.688	0.034
275	15.036	2.981e-01	14.823	0.242	14.887	0.214	14.815	0.198	14.858	0.221
300	15.133	3.130e-01	15.012	0.319	14.755	0.192	14.842	0.219	14.967	0.219
325	14.963	1.544e-01	14.833	0.116	14.678	0.126	15.062	0.216	14.844	0.133
350	14.623	2.763e-01	14.285	0.129	14.563	0.161	14.723	0.230	14.336	0.120
375	15.071	2.387e-01	15.014	0.180	15.482	0.233	15.413	0.227	15.086	0.212
400	15.439	3.436e-01	15.483	0.260	15.377	0.268	15.006	0.327	14.955	0.333
425	15.055	3.455e-01	15.225	0.339	15.161	0.407	15.378	0.383	15.172	0.367
450	16.457	5.354e-01	16.195	0.455	16.341	0.569	16.070	0.506	15.246	0.411
475	15.517	5.143e-01	15.582	0.598	15.460	0.566	15.979	0.585	15.415	0.538
500	15.746	6.236e-01	15.536	0.501	15.256	0.458	15.793	0.513	16.065	0.461

n	Control Limits $h_{n, \alpha=0.005, p=3}$									
	4	$se_{4,0.005}$	20	$se_{20,0.005}$	25	$se_{25,0.005}$	30	$se_{30,0.005}$	40	$se_{40,0.005}$
5	3.0600e+06	6.660e+04	-	-	-	-	-	-	-	-
6	5.8239e+03	5.371e+01	-	-	-	-	-	-	-	-
7	7.3611e+02	5.083e+00	-	-	-	-	-	-	-	-
8	2.6977e+02	1.310e+00	-	-	-	-	-	-	-	-
9	1.4932e+02	4.715e-01	-	-	-	-	-	-	-	-
10	1.0130e+02	2.567e-01	-	-	-	-	-	-	-	-
11	7.7206e+01	1.936e-01	-	-	-	-	-	-	-	-
12	6.3352e+01	1.020e-01	-	-	-	-	-	-	-	-
13	5.4300e+01	9.870e-02	-	-	-	-	-	-	-	-
14	4.7703e+01	1.163e-01	-	-	-	-	-	-	-	-
15	4.3143e+01	6.860e-02	-	-	-	-	-	-	-	-
16	3.9570e+01	5.680e-02	-	-	-	-	-	-	-	-
17	3.6826e+01	6.360e-02	-	-	-	-	-	-	-	-
18	3.4609e+01	4.310e-02	-	-	-	-	-	-	-	-
19	3.2805e+01	4.070e-02	-	-	-	-	-	-	-	-
20	3.1288e+01	4.480e-02	-	-	-	-	-	-	-	-
21	3.0058e+01	3.700e-02	36.758	0.074	-	-	-	-	-	-
22	2.9025e+01	3.480e-02	32.415	0.042	-	-	-	-	-	-
23	2.8021e+01	3.230e-02	30.119	0.038	-	-	-	-	-	-
24	2.7212e+01	3.010e-02	28.582	0.033	-	-	-	-	-	-
25	2.6530e+01	3.790e-02	27.498	0.026	-	-	-	-	-	-
26	2.5901e+01	3.560e-02	26.577	0.033	32.171	0.059	-	-	-	-
27	2.5329e+01	3.250e-02	25.874	0.028	28.723	0.039	-	-	-	-
28	2.4815e+01	3.230e-02	25.262	0.028	27.001	0.021	-	-	-	-
29	2.4342e+01	2.900e-02	24.689	0.026	25.854	0.025	-	-	-	-
30	2.3935e+01	2.650e-02	24.228	0.022	25.077	0.023	-	-	-	-
31	2.3579e+01	3.090e-02	23.812	0.030	24.443	0.027	29.480	0.045	-	-
32	2.3207e+01	2.700e-02	23.411	0.027	23.884	0.025	26.573	0.037	-	-
33	2.2910e+01	2.020e-02	23.084	0.021	23.438	0.022	25.154	0.034	-	-
34	2.2682e+01	2.120e-02	22.813	0.021	23.092	0.021	24.276	0.025	-	-
35	2.2411e+01	2.310e-02	22.518	0.023	22.755	0.023	23.580	0.024	-	-
36	2.2140e+01	2.640e-02	22.253	0.025	22.440	0.022	23.059	0.020	-	-
37	2.1948e+01	3.050e-02	22.049	0.029	22.197	0.027	22.658	0.027	-	-
38	2.1760e+01	2.870e-02	21.848	0.026	21.977	0.025	22.348	0.026	-	-
39	2.1532e+01	2.290e-02	21.613	0.022	21.722	0.021	22.031	0.022	-	-
40	2.1344e+01	1.870e-02	21.410	0.021	21.506	0.020	21.750	0.020	-	-
41	2.1178e+01	2.530e-02	21.228	0.025	21.304	0.022	21.506	0.022	26.654	0.029
42	2.1020e+01	1.930e-02	21.063	0.020	21.136	0.017	21.314	0.018	24.310	0.028
43	2.0874e+01	2.530e-02	20.913	0.023	20.978	0.022	21.121	0.018	23.118	0.024
44	2.0726e+01	2.330e-02	20.758	0.021	20.814	0.019	20.934	0.018	22.400	0.017
45	2.0584e+01	2.070e-02	20.612	0.018	20.664	0.017	20.762	0.017	21.859	0.020
46	2.0450e+01	2.000e-02	20.478	0.018	20.535	0.016	20.617	0.017	21.465	0.019
47	2.0332e+01	2.280e-02	20.355	0.022	20.396	0.022	20.485	0.022	21.158	0.016
48	2.0253e+01	1.630e-02	20.272	0.016	20.313	0.017	20.388	0.017	20.930	0.017
49	2.0127e+01	1.980e-02	20.153	0.021	20.176	0.019	20.230	0.018	20.685	0.019
50	2.0016e+01	2.090e-02	20.051	0.020	20.080	0.019	20.125	0.018	20.494	0.017
55	1.9558e+01	1.510e-02	19.586	0.014	19.607	0.013	19.642	0.013	19.817	0.013
60	1.9175e+01	1.930e-02	19.190	0.019	19.199	0.019	19.226	0.019	19.328	0.016
65	1.8925e+01	1.910e-02	18.931	0.019	18.936	0.019	18.952	0.018	19.017	0.016
70	1.8652e+01	1.990e-02	18.652	0.020	18.660	0.020	18.675	0.020	18.720	0.019
75	1.8466e+01	2.270e-02	18.473	0.021	18.484	0.021	18.497	0.021	18.532	0.021
80	1.8270e+01	1.740e-02	18.290	0.014	18.288	0.014	18.295	0.014	18.319	0.016
85	1.8139e+01	2.310e-02	18.144	0.022	18.148	0.022	18.146	0.022	18.154	0.020
90	1.7966e+01	2.030e-02	17.968	0.020	17.973	0.020	17.980	0.020	17.995	0.020
95	1.7882e+01	2.050e-02	17.874	0.021	17.881	0.019	17.884	0.017	17.895	0.016
100	1.7769e+01	2.100e-02	17.772	0.021	17.774	0.021	17.777	0.020	17.785	0.020
125	1.7373e+01	1.900e-02	17.379	0.019	17.385	0.019	17.385	0.018	17.390	0.017
150	1.7107e+01	2.860e-02	17.121	0.025	17.115	0.023	17.114	0.023	17.117	0.024
175	1.6914e+01	2.000e-02	16.925	0.020	16.924	0.018	16.929	0.017	16.927	0.019
200	1.6787e+01	2.010e-02	16.793	0.021	16.794	0.022	16.801	0.022	16.802	0.022
225	1.6695e+01	2.010e-02	16.702	0.021	16.704	0.020	16.700	0.019	16.715	0.019
250	1.6624e+01	2.790e-02	16.614	0.029	16.620	0.028	16.622	0.028	16.618	0.027
275	1.6433e+01	1.269e-01	16.478	0.112	16.444	0.106	16.446	0.117	16.461	0.113
300	1.7114e+01	1.835e-01	16.994	0.184	16.924	0.184	16.913	0.170	16.808	0.184
325	1.6529e+01	1.242e-01	16.552	0.128	16.572	0.142	16.571	0.137	16.484	0.110
350	1.6803e+01	2.124e-01	16.734	0.175	16.724	0.171	16.625	0.182	16.526	0.159
375	1.6499e+01	1.468e-01	16.401	0.111	16.394	0.112	16.423	0.103	16.496	0.086
400	1.6534e+01	2.096e-01	16.500	0.148	16.471	0.135	16.534	0.152	16.597	0.141
425	1.6624e+01	1.921e-01	16.547	0.234	16.520	0.229	16.592	0.230	16.582	0.169
450	1.7044e+01	1.745e-01	16.860	0.211	16.844	0.215	16.882	0.196	16.814	0.176
475	1.6536e+01	2.290e-01	16.784	0.221	16.698	0.221	16.723	0.252	16.629	0.251
500	1.6192e+01	1.132e-01	16.141	0.102	16.297	0.146	16.513	0.215	16.459	0.220

n	Control Limits $h_{n, \alpha=0.002, p=3}$									
	4	$se_{4,0.002}$	20	$se_{20,0.002}$	25	$se_{25,0.002}$	30	$se_{30,0.002}$	40	$se_{40,0.002}$
5	2.0100e+07	7.370e+05	-	-	-	-	-	-	-	-
6	1.4789e+04	1.859e+02	-	-	-	-	-	-	-	-
7	1.3794e+03	1.441e+01	-	-	-	-	-	-	-	-
8	4.3520e+02	3.196e+00	-	-	-	-	-	-	-	-
9	2.2156e+02	1.307e+00	-	-	-	-	-	-	-	-
10	1.4370e+02	6.711e-01	-	-	-	-	-	-	-	-
11	1.0529e+02	4.227e-01	-	-	-	-	-	-	-	-
12	8.4285e+01	2.898e-01	-	-	-	-	-	-	-	-
13	7.1358e+01	2.186e-01	-	-	-	-	-	-	-	-
14	6.1872e+01	2.114e-01	-	-	-	-	-	-	-	-
15	5.5257e+01	1.520e-01	-	-	-	-	-	-	-	-
16	5.0205e+01	1.125e-01	-	-	-	-	-	-	-	-
17	4.6197e+01	9.840e-02	-	-	-	-	-	-	-	-
18	4.3206e+01	1.125e-01	-	-	-	-	-	-	-	-
19	4.0816e+01	1.010e-01	-	-	-	-	-	-	-	-
20	3.8632e+01	6.960e-02	-	-	-	-	-	-	-	-
21	3.6863e+01	6.950e-02	43.728	0.146	-	-	-	-	-	-
22	3.5490e+01	6.060e-02	38.820	0.088	-	-	-	-	-	-
23	3.4168e+01	4.750e-02	36.073	0.065	-	-	-	-	-	-
24	3.3125e+01	6.990e-02	34.336	0.075	-	-	-	-	-	-
25	3.2149e+01	4.860e-02	33.025	0.045	-	-	-	-	-	-
26	3.1299e+01	6.440e-02	31.939	0.056	37.477	0.085	-	-	-	-
27	3.0563e+01	5.310e-02	31.042	0.057	33.838	0.062	-	-	-	-
28	2.9791e+01	4.800e-02	30.170	0.042	31.867	0.046	-	-	-	-
29	2.9166e+01	4.670e-02	29.469	0.042	30.555	0.047	-	-	-	-
30	2.8655e+01	3.760e-02	28.921	0.034	29.633	0.035	-	-	-	-
31	2.8219e+01	5.460e-02	28.417	0.049	28.995	0.046	33.947	0.084	-	-
32	2.7720e+01	4.410e-02	27.908	0.046	28.331	0.046	30.999	0.053	-	-
33	2.7267e+01	4.320e-02	27.401	0.042	27.715	0.040	29.379	0.047	-	-
34	2.6990e+01	5.570e-02	27.108	0.054	27.341	0.054	28.419	0.054	-	-
35	2.6615e+01	4.170e-02	26.715	0.040	26.908	0.040	27.660	0.043	-	-
36	2.6228e+01	3.930e-02	26.324	0.038	26.499	0.036	27.054	0.033	-	-
37	2.5999e+01	3.940e-02	26.092	0.037	26.225	0.037	26.666	0.034	-	-
38	2.5699e+01	4.550e-02	25.772	0.043	25.915	0.042	26.235	0.040	-	-
39	2.5495e+01	4.260e-02	25.562	0.042	25.661	0.039	25.934	0.037	-	-
40	2.5213e+01	3.670e-02	25.265	0.038	25.342	0.040	25.545	0.038	-	-
41	2.5016e+01	3.530e-02	25.060	0.034	25.141	0.035	25.306	0.036	30.402	0.056
42	2.4773e+01	2.880e-02	24.803	0.030	24.863	0.032	25.007	0.031	27.856	0.033
43	2.4576e+01	3.210e-02	24.609	0.031	24.661	0.030	24.786	0.031	26.705	0.045
44	2.4444e+01	3.670e-02	24.472	0.036	24.512	0.036	24.622	0.035	25.971	0.037
45	2.4233e+01	3.490e-02	24.252	0.032	24.291	0.033	24.401	0.033	25.421	0.038
46	2.4106e+01	3.380e-02	24.114	0.034	24.141	0.034	24.230	0.032	24.990	0.035
47	2.3917e+01	2.700e-02	23.938	0.027	23.968	0.025	24.053	0.027	24.686	0.032
48	2.3791e+01	2.800e-02	23.823	0.026	23.858	0.026	23.916	0.026	24.412	0.030
49	2.3647e+01	3.300e-02	23.666	0.030	23.696	0.030	23.746	0.031	24.157	0.024
50	2.3493e+01	2.920e-02	23.510	0.030	23.525	0.029	23.584	0.028	23.896	0.027
55	2.2902e+01	2.350e-02	22.916	0.021	22.926	0.022	22.948	0.022	23.091	0.024
60	2.2431e+01	2.610e-02	22.436	0.024	22.451	0.024	22.472	0.022	22.549	0.023
65	2.2131e+01	3.060e-02	22.132	0.032	22.139	0.032	22.163	0.032	22.204	0.029
70	2.1742e+01	2.910e-02	21.739	0.030	21.749	0.028	21.762	0.028	21.794	0.029
75	2.1486e+01	2.820e-02	21.487	0.029	21.494	0.028	21.503	0.027	21.523	0.027
80	2.1220e+01	2.830e-02	21.226	0.030	21.225	0.032	21.236	0.031	21.258	0.030
85	2.1053e+01	2.720e-02	21.056	0.029	21.057	0.028	21.068	0.029	21.082	0.030
90	2.0887e+01	2.770e-02	20.893	0.026	20.896	0.026	20.900	0.026	20.907	0.025
95	2.0795e+01	2.610e-02	20.792	0.024	20.801	0.023	20.809	0.023	20.813	0.024
100	2.0578e+01	3.090e-02	20.577	0.030	20.584	0.029	20.584	0.030	20.589	0.030
125	2.0103e+01	2.560e-02	20.098	0.025	20.102	0.024	20.105	0.023	20.101	0.023
150	1.9762e+01	2.630e-02	19.771	0.027	19.769	0.027	19.769	0.027	19.759	0.025
175	1.9544e+01	2.460e-02	19.543	0.024	19.541	0.025	19.537	0.022	19.531	0.023
200	1.9349e+01	2.580e-02	19.350	0.023	19.354	0.022	19.357	0.022	19.356	0.023
225	1.9263e+01	3.030e-02	19.266	0.028	19.268	0.027	19.266	0.027	19.264	0.025
250	1.9110e+01	3.060e-02	19.124	0.032	19.116	0.030	19.123	0.032	19.126	0.031
275	1.9187e+01	1.039e-01	19.172	0.087	19.154	0.086	19.168	0.079	19.164	0.085
300	1.9128e+01	9.660e-02	19.175	0.090	19.191	0.080	19.156	0.073	19.088	0.097
325	1.8893e+01	9.780e-02	18.860	0.089	18.844	0.092	18.853	0.088	18.864	0.090
350	1.9103e+01	1.454e-01	19.139	0.141	19.123	0.142	19.141	0.154	19.003	0.148
375	1.9032e+01	1.391e-01	19.028	0.138	19.007	0.138	19.017	0.132	19.054	0.112
400	1.8901e+01	1.191e-01	18.922	0.136	18.929	0.137	18.992	0.157	18.909	0.145
425	1.8728e+01	1.368e-01	18.693	0.131	18.706	0.133	18.719	0.122	18.731	0.125
450	1.8899e+01	1.402e-01	18.855	0.138	18.833	0.138	18.746	0.107	18.764	0.118
475	1.8683e+01	1.835e-01	18.772	0.157	18.813	0.182	18.835	0.175	18.899	0.160
500	1.8955e+01	1.399e-01	18.976	0.139	18.953	0.121	18.929	0.129	18.929	0.121



n	Control Limits $h_{n, \alpha=0.001, p=3}$									
	4	$se_{4,0.001}$	20	$se_{20,0.001}$	25	$se_{25,0.001}$	30	$se_{30,0.001}$	40	$se_{40,0.001}$
5	8.0600e+07	4.600e+06	-	-	-	-	-	-	-	-
6	2.9735e+04	7.202e+02	-	-	-	-	-	-	-	-
7	2.2502e+03	4.066e+01	-	-	-	-	-	-	-	-
8	6.2655e+02	8.314e+00	-	-	-	-	-	-	-	-
9	2.9836e+02	2.397e+00	-	-	-	-	-	-	-	-
10	1.8576e+02	1.344e+00	-	-	-	-	-	-	-	-
11	1.3338e+02	7.593e-01	-	-	-	-	-	-	-	-
12	1.0440e+02	5.181e-01	-	-	-	-	-	-	-	-
13	8.6569e+01	3.714e-01	-	-	-	-	-	-	-	-
14	7.4297e+01	3.284e-01	-	-	-	-	-	-	-	-
15	6.5674e+01	2.153e-01	-	-	-	-	-	-	-	-
16	5.9235e+01	1.616e-01	-	-	-	-	-	-	-	-
17	5.3963e+01	1.615e-01	-	-	-	-	-	-	-	-
18	5.0403e+01	1.400e-01	-	-	-	-	-	-	-	-
19	4.7422e+01	1.556e-01	-	-	-	-	-	-	-	-
20	4.4734e+01	1.106e-01	-	-	-	-	-	-	-	-
21	4.2564e+01	9.880e-02	49.121	0.197	-	-	-	-	-	-
22	4.0815e+01	1.152e-01	44.068	0.153	-	-	-	-	-	-
23	3.9212e+01	8.150e-02	41.079	0.109	-	-	-	-	-	-
24	3.7920e+01	1.055e-01	39.065	0.110	-	-	-	-	-	-
25	3.6690e+01	1.053e-01	37.542	0.098	-	-	-	-	-	-
26	3.5574e+01	8.550e-02	36.175	0.071	41.668	0.146	-	-	-	-
27	3.4742e+01	8.910e-02	35.164	0.075	37.925	0.079	-	-	-	-
28	3.3882e+01	7.430e-02	34.218	0.061	35.861	0.081	-	-	-	-
29	3.3044e+01	7.800e-02	33.292	0.081	34.407	0.077	-	-	-	-
30	3.2395e+01	5.690e-02	32.580	0.051	33.312	0.060	-	-	-	-
31	3.1850e+01	6.580e-02	31.998	0.060	32.516	0.068	37.650	0.115	-	-
32	3.1352e+01	6.650e-02	31.502	0.063	31.873	0.056	34.412	0.076	-	-
33	3.0809e+01	6.220e-02	30.933	0.066	31.183	0.060	32.774	0.074	-	-
34	3.0310e+01	6.980e-02	30.417	0.070	30.639	0.068	31.721	0.071	-	-
35	2.9952e+01	7.850e-02	30.030	0.073	30.179	0.073	30.942	0.058	-	-
36	2.9449e+01	5.200e-02	29.523	0.051	29.660	0.051	30.194	0.050	-	-
37	2.9232e+01	5.950e-02	29.292	0.058	29.396	0.058	29.770	0.050	-	-
38	2.8889e+01	6.170e-02	28.941	0.061	29.029	0.057	29.276	0.059	-	-
39	2.8583e+01	6.980e-02	28.638	0.068	28.723	0.067	28.944	0.067	-	-
40	2.8339e+01	6.450e-02	28.380	0.067	28.449	0.063	28.637	0.064	-	-
41	2.7978e+01	5.970e-02	28.017	0.058	28.088	0.060	28.256	0.056	33.254	0.077
42	2.7616e+01	4.470e-02	27.631	0.048	27.723	0.047	27.869	0.046	30.706	0.058
43	2.7435e+01	4.890e-02	27.464	0.051	27.518	0.052	27.621	0.052	29.428	0.049
44	2.7255e+01	5.740e-02	27.282	0.056	27.317	0.055	27.430	0.056	28.733	0.058
45	2.7071e+01	5.710e-02	27.098	0.057	27.129	0.054	27.218	0.054	28.123	0.058
46	2.6912e+01	4.680e-02	26.947	0.046	26.968	0.045	27.033	0.047	27.700	0.056
47	2.6683e+01	4.450e-02	26.712	0.045	26.732	0.044	26.799	0.042	27.367	0.049
48	2.6531e+01	4.110e-02	26.544	0.042	26.569	0.040	26.622	0.038	27.053	0.035
49	2.6335e+01	3.650e-02	26.350	0.038	26.371	0.037	26.426	0.035	26.772	0.034
50	2.6184e+01	4.460e-02	26.202	0.047	26.227	0.047	26.269	0.049	26.577	0.048
55	2.5541e+01	3.880e-02	25.559	0.040	25.571	0.039	25.597	0.040	25.709	0.041
60	2.4968e+01	4.560e-02	24.974	0.049	24.984	0.048	24.999	0.049	25.061	0.046
65	2.4502e+01	4.950e-02	24.514	0.049	24.525	0.049	24.542	0.048	24.593	0.047
70	2.4023e+01	4.120e-02	24.028	0.041	24.038	0.041	24.045	0.041	24.078	0.041
75	2.3695e+01	4.860e-02	23.703	0.047	23.706	0.047	23.712	0.048	23.749	0.047
80	2.3512e+01	3.700e-02	23.503	0.036	23.514	0.037	23.508	0.036	23.527	0.035
85	2.3221e+01	4.040e-02	23.226	0.040	23.233	0.039	23.238	0.039	23.252	0.040
90	2.3042e+01	3.910e-02	23.061	0.035	23.069	0.035	23.077	0.035	23.087	0.037
95	2.2940e+01	3.770e-02	22.947	0.037	22.949	0.036	22.951	0.036	22.963	0.036
100	2.2765e+01	4.430e-02	22.773	0.044	22.779	0.043	22.776	0.043	22.793	0.042
125	2.2166e+01	3.150e-02	22.151	0.032	22.153	0.031	22.151	0.030	22.155	0.028
150	2.1751e+01	3.190e-02	21.739	0.031	21.745	0.031	21.744	0.031	21.739	0.031
175	2.1545e+01	3.550e-02	21.539	0.037	21.532	0.037	21.538	0.036	21.530	0.038
200	2.1268e+01	2.810e-02	21.271	0.028	21.270	0.029	21.271	0.029	21.267	0.028
225	2.1142e+01	3.870e-02	21.152	0.037	21.150	0.037	21.151	0.037	21.150	0.036
250	2.1044e+01	3.060e-02	21.036	0.030	21.039	0.030	21.043	0.030	21.041	0.029
275	2.1291e+01	1.281e-01	21.312	0.125	21.310	0.125	21.300	0.125	21.193	0.144
300	2.1263e+01	1.045e-01	21.269	0.103	21.262	0.103	21.286	0.098	21.276	0.100
325	2.0738e+01	2.225e-01	20.755	0.218	20.785	0.216	20.771	0.215	20.797	0.212
350	2.0960e+01	1.543e-01	20.984	0.132	20.985	0.128	20.957	0.159	20.946	0.158
375	2.1091e+01	1.144e-01	21.072	0.110	21.052	0.107	21.038	0.108	21.030	0.119
400	2.0779e+01	2.025e-01	20.598	0.212	20.592	0.212	20.607	0.209	20.637	0.200
425	2.0727e+01	1.959e-01	20.702	0.196	20.698	0.196	20.694	0.197	20.689	0.197
450	2.0567e+01	1.678e-01	20.619	0.159	20.551	0.171	20.576	0.174	20.619	0.163
475	2.0831e+01	1.986e-01	20.836	0.196	20.830	0.196	20.830	0.196	20.846	0.188
500	2.0635e+01	1.589e-01	20.694	0.162	20.689	0.162	20.691	0.160	20.660	0.156

n	Control Limits $h_{n, \alpha=0.0005, p=3}$									
	4	$se_{4,0.0005}$	20	$se_{20,0.0005}$	25	$se_{25,0.0005}$	30	$se_{30,0.0005}$	40	$se_{40,0.0005}$
5	3.3600e+08	2.350e+07	-	-	-	-	-	-	-	-
6	6.2068e+04	2.261e+03	-	-	-	-	-	-	-	-
7	3.5850e+03	7.557e+01	-	-	-	-	-	-	-	-
8	9.1504e+02	1.309e+01	-	-	-	-	-	-	-	-
9	4.0153e+02	5.181e+00	-	-	-	-	-	-	-	-
10	2.4082e+02	2.802e+00	-	-	-	-	-	-	-	-
11	1.6848e+02	1.550e+00	-	-	-	-	-	-	-	-
12	1.2768e+02	9.366e-01	-	-	-	-	-	-	-	-
13	1.0503e+02	6.221e-01	-	-	-	-	-	-	-	-
14	8.8629e+01	3.763e-01	-	-	-	-	-	-	-	-
15	7.7944e+01	3.442e-01	-	-	-	-	-	-	-	-
16	6.9798e+01	2.825e-01	-	-	-	-	-	-	-	-
17	6.2890e+01	2.699e-01	-	-	-	-	-	-	-	-
18	5.8422e+01	2.433e-01	-	-	-	-	-	-	-	-
19	5.4433e+01	2.649e-01	-	-	-	-	-	-	-	-
20	5.1462e+01	2.184e-01	-	-	-	-	-	-	-	-
21	4.8430e+01	1.923e-01	54.870	0.245	-	-	-	-	-	-
22	4.6529e+01	2.041e-01	49.543	0.228	-	-	-	-	-	-
23	4.4680e+01	2.082e-01	46.366	0.198	-	-	-	-	-	-
24	4.2925e+01	1.661e-01	44.094	0.160	-	-	-	-	-	-
25	4.1500e+01	1.466e-01	42.106	0.141	-	-	-	-	-	-
26	4.0174e+01	1.212e-01	40.594	0.141	46.295	0.194	-	-	-	-
27	3.9195e+01	1.183e-01	39.505	0.110	41.982	0.127	-	-	-	-
28	3.8114e+01	1.304e-01	38.436	0.117	40.066	0.122	-	-	-	-
29	3.7120e+01	8.090e-02	37.311	0.088	38.312	0.091	-	-	-	-
30	3.6315e+01	9.530e-02	36.460	0.089	37.172	0.097	-	-	-	-
31	3.5686e+01	9.520e-02	35.857	0.096	36.269	0.103	41.680	0.159	-	-
32	3.5123e+01	1.073e-01	35.242	0.104	35.543	0.097	38.081	0.110	-	-
33	3.4368e+01	1.069e-01	34.483	0.105	34.757	0.115	36.179	0.111	-	-
34	3.3837e+01	9.260e-02	33.940	0.096	34.226	0.104	35.174	0.113	-	-
35	3.3378e+01	1.151e-01	33.445	0.110	33.642	0.108	34.288	0.088	-	-
36	3.2843e+01	7.880e-02	32.919	0.074	33.057	0.070	33.509	0.072	-	-
37	3.2419e+01	7.080e-02	32.464	0.068	32.594	0.064	32.971	0.072	-	-
38	3.2028e+01	9.100e-02	32.092	0.095	32.204	0.095	32.449	0.100	-	-
39	3.1659e+01	8.450e-02	31.707	0.079	31.778	0.079	31.986	0.074	-	-
40	3.1314e+01	8.410e-02	31.380	0.083	31.441	0.079	31.611	0.078	-	-
41	3.0981e+01	7.820e-02	31.064	0.073	31.147	0.072	31.295	0.072	36.356	0.111
42	3.0733e+01	1.020e-01	30.784	0.096	30.864	0.093	30.972	0.091	33.555	0.074
43	3.0348e+01	8.430e-02	30.417	0.080	30.465	0.079	30.544	0.073	32.271	0.079
44	3.0292e+01	9.890e-02	30.358	0.095	30.407	0.094	30.483	0.091	31.639	0.087
45	2.9982e+01	8.370e-02	30.023	0.084	30.093	0.078	30.167	0.075	31.039	0.062
46	2.9658e+01	6.520e-02	29.701	0.064	29.748	0.062	29.856	0.060	30.550	0.068
47	2.9472e+01	9.020e-02	29.496	0.088	29.520	0.088	29.575	0.086	30.056	0.068
48	2.9302e+01	7.670e-02	29.318	0.076	29.344	0.074	29.400	0.074	29.790	0.062
49	2.9103e+01	7.400e-02	29.102	0.074	29.136	0.075	29.181	0.073	29.610	0.077
50	2.8937e+01	7.760e-02	28.951	0.078	28.982	0.078	29.013	0.076	29.273	0.063
55	2.8122e+01	4.760e-02	28.117	0.046	28.131	0.047	28.165	0.046	28.249	0.046
60	2.7506e+01	7.100e-02	27.496	0.072	27.504	0.072	27.518	0.071	27.602	0.071
65	2.7000e+01	6.820e-02	26.997	0.068	26.976	0.068	26.979	0.068	27.034	0.066
70	2.6495e+01	5.700e-02	26.494	0.056	26.502	0.057	26.489	0.057	26.536	0.058
75	2.6079e+01	5.620e-02	26.125	0.055	26.134	0.055	26.137	0.055	26.134	0.054
80	2.5902e+01	5.950e-02	25.913	0.061	25.913	0.061	25.921	0.061	25.901	0.061
85	2.5499e+01	6.950e-02	25.515	0.067	25.524	0.067	25.531	0.067	25.542	0.067
90	2.5265e+01	4.970e-02	25.265	0.050	25.271	0.050	25.279	0.049	25.302	0.052
95	2.5073e+01	5.020e-02	25.062	0.050	25.067	0.049	25.071	0.047	25.093	0.045
100	2.4905e+01	6.120e-02	24.897	0.061	24.895	0.060	24.904	0.061	24.920	0.061
125	2.4145e+01	4.360e-02	24.155	0.044	24.163	0.043	24.163	0.042	24.160	0.041
150	2.3726e+01	5.640e-02	23.730	0.055	23.724	0.056	23.726	0.056	23.741	0.058
175	2.3425e+01	5.440e-02	23.431	0.054	23.428	0.054	23.426	0.053	23.429	0.054
200	2.3167e+01	5.620e-02	23.170	0.056	23.171	0.056	23.141	0.057	23.157	0.057
225	2.3006e+01	4.780e-02	22.998	0.049	23.002	0.048	23.004	0.048	23.010	0.047
250	2.2872e+01	4.410e-02	22.880	0.043	22.883	0.044	22.880	0.045	22.865	0.044
275	2.3628e+01	1.482e-01	23.616	0.148	23.612	0.148	23.608	0.148	23.600	0.148
300	2.2906e+01	1.582e-01	22.899	0.160	22.894	0.160	22.888	0.159	22.893	0.155
325	2.2692e+01	1.336e-01	22.676	0.133	22.671	0.133	22.666	0.133	22.656	0.133
350	2.2665e+01	1.558e-01	22.652	0.155	22.648	0.155	22.644	0.155	22.636	0.154
375	2.2839e+01	1.829e-01	22.828	0.182	22.825	0.181	22.821	0.181	22.824	0.176
400	2.2778e+01	1.976e-01	22.872	0.211	22.869	0.211	22.892	0.210	22.915	0.209
425	2.2807e+01	3.476e-01	22.808	0.345	22.804	0.345	22.801	0.345	22.794	0.345
450	2.2709e+01	1.974e-01	22.698	0.195	22.694	0.195	22.690	0.194	22.683	0.192
475	2.2143e+01	1.924e-01	22.175	0.197	22.172	0.197	22.170	0.197	22.165	0.196
500	2.2244e+01	2.212e-01	22.348	0.201	22.344	0.201	22.351	0.207	22.344	0.206

n	Control Limits $h_{n,\alpha=0.01,p=4}$									
	5	$se_{5,0.01}$	20	$se_{20,0.01}$	25	$se_{25,0.01}$	30	$se_{30,0.01}$	40	$se_{40,0.01}$
6	2.3300e+06	3.050e+04	-	-	-	-	-	-	-	-
7	5.7290e+03	3.615e+01	-	-	-	-	-	-	-	-
8	7.8524e+02	3.325e+00	-	-	-	-	-	-	-	-
9	2.9059e+02	9.583e-01	-	-	-	-	-	-	-	-
10	1.6354e+02	3.748e-01	-	-	-	-	-	-	-	-
11	1.1137e+02	2.130e-01	-	-	-	-	-	-	-	-
12	8.4736e+01	1.437e-01	-	-	-	-	-	-	-	-
13	6.8733e+01	1.145e-01	-	-	-	-	-	-	-	-
14	5.8509e+01	9.040e-02	-	-	-	-	-	-	-	-
15	5.1348e+01	6.820e-02	-	-	-	-	-	-	-	-
16	4.6309e+01	6.350e-02	-	-	-	-	-	-	-	-
17	4.2364e+01	5.320e-02	-	-	-	-	-	-	-	-
18	3.9227e+01	4.100e-02	-	-	-	-	-	-	-	-
19	3.6824e+01	3.760e-02	-	-	-	-	-	-	-	-
20	3.4880e+01	3.320e-02	-	-	-	-	-	-	-	-
21	3.3238e+01	3.280e-02	41.399	0.051	-	-	-	-	-	-
22	3.1838e+01	2.930e-02	36.023	0.042	-	-	-	-	-	-
23	3.0676e+01	2.860e-02	33.221	0.031	-	-	-	-	-	-
24	2.9659e+01	3.450e-02	31.369	0.036	-	-	-	-	-	-
25	2.8749e+01	3.290e-02	29.965	0.028	-	-	-	-	-	-
26	2.7917e+01	2.870e-02	28.844	0.026	35.250	0.052	-	-	-	-
27	2.7255e+01	2.190e-02	27.943	0.022	31.309	0.032	-	-	-	-
28	2.6656e+01	2.110e-02	27.201	0.018	29.254	0.026	-	-	-	-
29	2.6100e+01	2.230e-02	26.522	0.019	27.925	0.020	-	-	-	-
30	2.5641e+01	2.050e-02	25.985	0.018	26.968	0.019	-	-	-	-
31	2.5178e+01	2.020e-02	25.467	0.018	26.191	0.020	31.981	0.033	-	-
32	2.4771e+01	2.020e-02	24.998	0.017	25.564	0.017	28.675	0.017	-	-
33	2.4362e+01	2.020e-02	24.570	0.018	25.017	0.019	27.013	0.018	-	-
34	2.4036e+01	1.620e-02	24.195	0.016	24.549	0.014	25.919	0.018	-	-
35	2.3739e+01	2.170e-02	23.883	0.023	24.167	0.021	25.147	0.023	-	-
36	2.3429e+01	1.840e-02	23.562	0.017	23.792	0.017	24.545	0.019	-	-
37	2.3171e+01	1.890e-02	23.295	0.017	23.487	0.017	24.050	0.017	-	-
38	2.2915e+01	1.800e-02	23.020	0.016	23.183	0.015	23.639	0.016	-	-
39	2.2705e+01	1.600e-02	22.801	0.012	22.941	0.011	23.298	0.013	-	-
40	2.2483e+01	1.710e-02	22.570	0.015	22.695	0.016	22.977	0.014	-	-
41	2.2276e+01	2.340e-02	22.349	0.022	22.457	0.022	22.702	0.021	28.562	0.023
42	2.2075e+01	1.810e-02	22.143	0.016	22.237	0.015	22.442	0.015	25.928	0.023
43	2.1896e+01	1.830e-02	21.956	0.016	22.039	0.015	22.219	0.014	24.586	0.015
44	2.1737e+01	1.270e-02	21.798	0.013	21.871	0.013	22.018	0.010	23.742	0.014
45	2.1562e+01	1.860e-02	21.614	0.016	21.687	0.014	21.821	0.014	23.118	0.011
46	2.1405e+01	1.520e-02	21.453	0.014	21.513	0.014	21.632	0.013	22.644	0.011
47	2.1275e+01	1.320e-02	21.313	0.011	21.363	0.011	21.468	0.011	22.284	0.013
48	2.1147e+01	1.700e-02	21.184	0.015	21.229	0.014	21.317	0.014	21.987	0.012
49	2.1025e+01	1.240e-02	21.055	0.012	21.088	0.013	21.165	0.013	21.729	0.015
50	2.0896e+01	1.820e-02	20.935	0.017	20.967	0.017	21.034	0.016	21.489	0.015
55	2.0379e+01	1.700e-02	20.396	0.014	20.425	0.013	20.461	0.012	20.680	0.011
60	1.9971e+01	1.330e-02	19.991	0.012	20.005	0.012	20.028	0.012	20.152	0.009
65	1.9655e+01	1.850e-02	19.662	0.016	19.678	0.016	19.699	0.016	19.765	0.013
70	1.9374e+01	1.870e-02	19.377	0.017	19.383	0.016	19.393	0.016	19.439	0.016
75	1.9123e+01	1.920e-02	19.130	0.016	19.140	0.016	19.149	0.015	19.191	0.015
80	1.8883e+01	1.700e-02	18.906	0.017	18.915	0.017	18.922	0.016	18.956	0.015
85	1.8711e+01	1.920e-02	18.721	0.017	18.734	0.018	18.745	0.016	18.777	0.014
90	1.8617e+01	1.910e-02	18.622	0.018	18.624	0.017	18.633	0.016	18.653	0.016
95	1.8465e+01	2.230e-02	18.468	0.022	18.465	0.021	18.474	0.019	18.485	0.017
100	1.8353e+01	2.120e-02	18.347	0.018	18.343	0.017	18.350	0.015	18.368	0.016
125	1.7898e+01	2.000e-02	17.893	0.020	17.895	0.021	17.891	0.020	17.898	0.019
150	1.7600e+01	2.160e-02	17.599	0.020	17.604	0.020	17.601	0.018	17.595	0.015
175	1.7460e+01	2.490e-02	17.451	0.024	17.443	0.025	17.440	0.023	17.444	0.023
200	1.7292e+01	3.070e-02	17.275	0.026	17.272	0.025	17.279	0.026	17.259	0.022
225	1.7158e+01	2.560e-02	17.140	0.022	17.129	0.022	17.121	0.022	17.137	0.023
250	1.7158e+01	4.410e-02	17.172	0.041	17.168	0.040	17.163	0.037	17.149	0.032
275	1.7242e+01	2.271e-01	17.373	0.268	17.337	0.235	17.243	0.201	17.164	0.175
300	1.7078e+01	2.661e-01	16.969	0.137	17.042	0.139	17.061	0.108	16.990	0.080
325	1.7209e+01	2.022e-01	17.224	0.261	17.254	0.260	17.289	0.253	17.108	0.175
350	1.7178e+01	2.932e-01	16.966	0.198	17.072	0.199	17.084	0.246	16.905	0.229
375	1.7504e+01	2.016e-01	17.391	0.217	17.686	0.236	17.522	0.190	17.386	0.212
400	1.7726e+01	4.091e-01	17.766	0.370	17.872	0.322	17.563	0.262	17.215	0.358
425	1.7518e+01	5.391e-01	17.182	0.398	17.523	0.416	17.558	0.375	17.376	0.301
450	1.7749e+01	2.454e-01	18.056	0.453	17.745	0.407	17.130	0.289	17.283	0.552
475	1.7728e+01	3.387e-01	18.213	0.414	18.061	0.416	18.131	0.373	18.187	0.433
500	1.7006e+01	4.182e-01	17.366	0.299	17.515	0.423	17.201	0.277	17.281	0.360

n	Control Limits $h_{n, \alpha=0.005, p=4}$									
	5	$se_{5,0.005}$	20	$se_{20,0.005}$	25	$se_{25,0.005}$	30	$se_{30,0.005}$	40	$se_{40,0.005}$
6	9.4300e+06	2.360e+05	-	-	-	-	-	-	-	-
7	1.1724e+04	1.057e+02	-	-	-	-	-	-	-	-
8	1.2669e+03	8.570e+00	-	-	-	-	-	-	-	-
9	4.2536e+02	1.692e+00	-	-	-	-	-	-	-	-
10	2.2370e+02	7.540e-01	-	-	-	-	-	-	-	-
11	1.4665e+02	4.237e-01	-	-	-	-	-	-	-	-
12	1.0827e+02	2.482e-01	-	-	-	-	-	-	-	-
13	8.6639e+01	2.269e-01	-	-	-	-	-	-	-	-
14	7.2437e+01	1.246e-01	-	-	-	-	-	-	-	-
15	6.3059e+01	1.036e-01	-	-	-	-	-	-	-	-
16	5.6318e+01	7.830e-02	-	-	-	-	-	-	-	-
17	5.1146e+01	7.010e-02	-	-	-	-	-	-	-	-
18	4.7272e+01	6.760e-02	-	-	-	-	-	-	-	-
19	4.3947e+01	7.500e-02	-	-	-	-	-	-	-	-
20	4.1351e+01	4.870e-02	-	-	-	-	-	-	-	-
21	3.9251e+01	5.430e-02	47.507	0.090	-	-	-	-	-	-
22	3.7559e+01	4.400e-02	41.714	0.055	-	-	-	-	-	-
23	3.6082e+01	3.420e-02	38.444	0.041	-	-	-	-	-	-
24	3.4831e+01	4.710e-02	36.358	0.047	-	-	-	-	-	-
25	3.3622e+01	4.380e-02	34.688	0.042	-	-	-	-	-	-
26	3.2600e+01	3.590e-02	33.423	0.044	39.839	0.070	-	-	-	-
27	3.1737e+01	4.070e-02	32.354	0.034	35.601	0.057	-	-	-	-
28	3.0946e+01	3.470e-02	31.456	0.036	33.418	0.033	-	-	-	-
29	3.0291e+01	3.100e-02	30.645	0.025	31.908	0.039	-	-	-	-
30	2.9713e+01	3.030e-02	30.003	0.027	30.896	0.033	-	-	-	-
31	2.9133e+01	2.730e-02	29.388	0.025	30.047	0.026	35.806	0.054	-	-
32	2.8607e+01	1.880e-02	28.819	0.018	29.318	0.017	32.338	0.030	-	-
33	2.8158e+01	2.860e-02	28.324	0.028	28.706	0.027	30.638	0.033	-	-
34	2.7670e+01	2.320e-02	27.835	0.021	28.163	0.024	29.439	0.024	-	-
35	2.7306e+01	3.110e-02	27.428	0.029	27.681	0.029	28.641	0.025	-	-
36	2.6916e+01	2.360e-02	27.032	0.024	27.262	0.026	27.975	0.021	-	-
37	2.6602e+01	1.940e-02	26.706	0.020	26.883	0.021	27.419	0.017	-	-
38	2.6283e+01	3.030e-02	26.374	0.032	26.519	0.029	26.932	0.023	-	-
39	2.6034e+01	2.900e-02	26.101	0.027	26.243	0.026	26.553	0.024	-	-
40	2.5764e+01	2.850e-02	25.828	0.028	25.924	0.028	26.190	0.027	-	-
41	2.5504e+01	2.680e-02	25.570	0.027	25.646	0.027	25.875	0.026	31.662	0.043
42	2.5231e+01	2.840e-02	25.303	0.027	25.376	0.027	25.566	0.025	28.938	0.026
43	2.5022e+01	2.400e-02	25.075	0.022	25.146	0.020	25.305	0.019	27.586	0.022
44	2.4815e+01	2.600e-02	24.883	0.024	24.939	0.023	25.074	0.021	26.698	0.020
45	2.4614e+01	2.170e-02	24.663	0.021	24.715	0.020	24.820	0.018	26.052	0.018
46	2.4394e+01	2.760e-02	24.445	0.027	24.500	0.026	24.602	0.025	25.586	0.023
47	2.4286e+01	2.280e-02	24.317	0.020	24.367	0.021	24.443	0.021	25.210	0.021
48	2.4082e+01	1.960e-02	24.124	0.018	24.165	0.019	24.250	0.021	24.866	0.020
49	2.3953e+01	1.570e-02	23.984	0.016	24.020	0.016	24.089	0.016	24.595	0.018
50	2.3834e+01	2.460e-02	23.861	0.023	23.893	0.022	23.957	0.021	24.367	0.017
55	2.3161e+01	2.460e-02	23.182	0.023	23.201	0.023	23.240	0.022	23.437	0.016
60	2.2667e+01	2.090e-02	22.683	0.022	22.698	0.021	22.718	0.019	22.824	0.017
65	2.2250e+01	2.150e-02	22.251	0.021	22.267	0.020	22.282	0.021	22.359	0.019
70	2.1905e+01	2.400e-02	21.918	0.022	21.926	0.022	21.945	0.022	21.993	0.020
75	2.1591e+01	1.740e-02	21.593	0.015	21.599	0.016	21.613	0.015	21.661	0.016
80	2.1374e+01	2.340e-02	21.373	0.024	21.380	0.023	21.386	0.023	21.413	0.022
85	2.1164e+01	1.970e-02	21.172	0.020	21.185	0.018	21.190	0.017	21.209	0.016
90	2.1014e+01	1.930e-02	21.026	0.019	21.023	0.019	21.025	0.018	21.039	0.019
95	2.0815e+01	2.590e-02	20.805	0.025	20.809	0.024	20.816	0.025	20.830	0.024
100	2.0681e+01	1.830e-02	20.677	0.021	20.679	0.021	20.685	0.019	20.696	0.020
125	2.0136e+01	2.400e-02	20.132	0.022	20.125	0.020	20.120	0.020	20.124	0.020
150	1.9762e+01	2.670e-02	19.761	0.025	19.760	0.025	19.756	0.025	19.753	0.024
175	1.9565e+01	2.530e-02	19.567	0.026	19.568	0.024	19.576	0.023	19.574	0.022
200	1.9377e+01	2.610e-02	19.360	0.027	19.357	0.028	19.360	0.027	19.350	0.025
225	1.9198e+01	2.860e-02	19.205	0.027	19.196	0.027	19.194	0.026	19.197	0.026
250	1.9122e+01	2.840e-02	19.114	0.027	19.121	0.028	19.114	0.027	19.105	0.024
275	1.9168e+01	1.003e-01	19.086	0.103	19.136	0.099	19.084	0.089	19.153	0.091
300	1.8850e+01	1.711e-01	18.851	0.116	18.682	0.094	18.883	0.079	18.875	0.083
325	1.8944e+01	1.374e-01	18.908	0.157	19.053	0.156	19.006	0.159	18.930	0.143
350	1.8787e+01	1.388e-01	18.731	0.168	18.773	0.170	18.802	0.173	18.877	0.163
375	1.8945e+01	1.629e-01	18.856	0.123	18.872	0.146	18.893	0.138	18.947	0.114
400	1.8653e+01	1.992e-01	18.724	0.208	18.693	0.217	18.764	0.217	18.724	0.225
425	1.8924e+01	1.719e-01	18.790	0.176	18.879	0.141	18.851	0.131	18.769	0.104
450	1.9040e+01	2.199e-01	18.927	0.207	18.934	0.191	18.952	0.174	18.850	0.179
475	1.9083e+01	2.730e-01	18.975	0.221	19.026	0.237	19.082	0.290	19.008	0.265
500	1.8666e+01	2.032e-01	18.641	0.263	18.533	0.265	18.771	0.254	18.670	0.239

n	Control Limits $h_{n, \alpha=0.002, p=4}$									
	5	$se_{5,0.002}$	20	$se_{20,0.002}$	25	$se_{25,0.002}$	30	$se_{30,0.002}$	40	$se_{40,0.002}$
6	5.9700e+07	1.960e+06	-	-	-	-	-	-	-	-
7	2.9900e+04	5.031e+02	-	-	-	-	-	-	-	-
8	2.4050e+03	2.730e+01	-	-	-	-	-	-	-	-
9	7.0598e+02	6.305e+00	-	-	-	-	-	-	-	-
10	3.3346e+02	1.706e+00	-	-	-	-	-	-	-	-
11	2.0783e+02	9.447e-01	-	-	-	-	-	-	-	-
12	1.4747e+02	5.206e-01	-	-	-	-	-	-	-	-
13	1.1460e+02	3.106e-01	-	-	-	-	-	-	-	-
14	9.4608e+01	3.431e-01	-	-	-	-	-	-	-	-
15	8.1112e+01	2.000e-01	-	-	-	-	-	-	-	-
16	7.1257e+01	1.442e-01	-	-	-	-	-	-	-	-
17	6.4440e+01	1.552e-01	-	-	-	-	-	-	-	-
18	5.8922e+01	1.493e-01	-	-	-	-	-	-	-	-
19	5.4463e+01	1.341e-01	-	-	-	-	-	-	-	-
20	5.0975e+01	9.740e-02	-	-	-	-	-	-	-	-
21	4.7987e+01	8.930e-02	56.348	0.142	-	-	-	-	-	-
22	4.5788e+01	6.840e-02	49.576	0.084	-	-	-	-	-	-
23	4.3777e+01	6.950e-02	45.970	0.079	-	-	-	-	-	-
24	4.2107e+01	6.030e-02	43.435	0.066	-	-	-	-	-	-
25	4.0490e+01	6.650e-02	41.504	0.066	-	-	-	-	-	-
26	3.9120e+01	6.440e-02	39.805	0.068	46.350	0.104	-	-	-	-
27	3.7972e+01	5.890e-02	38.493	0.065	41.500	0.086	-	-	-	-
28	3.6985e+01	5.740e-02	37.403	0.059	39.177	0.067	-	-	-	-
29	3.6101e+01	5.490e-02	36.418	0.058	37.634	0.065	-	-	-	-
30	3.5198e+01	6.090e-02	35.455	0.058	36.302	0.059	-	-	-	-
31	3.4603e+01	5.560e-02	34.820	0.056	35.425	0.058	41.155	0.073	-	-
32	3.3898e+01	5.380e-02	34.068	0.056	34.490	0.051	37.537	0.064	-	-
33	3.3271e+01	5.060e-02	33.386	0.049	33.707	0.049	35.544	0.060	-	-
34	3.2701e+01	5.120e-02	32.855	0.048	33.148	0.049	34.353	0.046	-	-
35	3.2236e+01	4.680e-02	32.336	0.048	32.545	0.041	33.392	0.044	-	-
36	3.1762e+01	4.090e-02	31.839	0.039	32.038	0.037	32.646	0.035	-	-
37	3.1364e+01	4.260e-02	31.437	0.041	31.576	0.040	32.022	0.034	-	-
38	3.0941e+01	4.260e-02	30.996	0.041	31.133	0.045	31.508	0.044	-	-
39	3.0531e+01	3.900e-02	30.572	0.042	30.670	0.044	30.982	0.041	-	-
40	3.0181e+01	4.600e-02	30.227	0.043	30.303	0.041	30.549	0.040	-	-
41	2.9866e+01	4.970e-02	29.897	0.049	29.979	0.046	30.173	0.051	35.819	0.069
42	2.9560e+01	3.520e-02	29.605	0.037	29.677	0.036	29.839	0.032	33.072	0.052
43	2.9310e+01	3.940e-02	29.348	0.041	29.414	0.039	29.534	0.036	31.668	0.048
44	2.9054e+01	3.230e-02	29.092	0.035	29.138	0.035	29.234	0.037	30.738	0.040
45	2.8812e+01	3.340e-02	28.846	0.031	28.899	0.032	29.004	0.035	30.087	0.038
46	2.8454e+01	3.680e-02	28.497	0.035	28.558	0.036	28.646	0.035	29.516	0.029
47	2.8313e+01	3.320e-02	28.333	0.033	28.373	0.033	28.443	0.031	29.116	0.030
48	2.8079e+01	4.570e-02	28.106	0.044	28.151	0.042	28.218	0.040	28.745	0.036
49	2.7938e+01	3.120e-02	27.951	0.031	27.981	0.029	28.036	0.032	28.482	0.034
50	2.7716e+01	2.980e-02	27.733	0.027	27.768	0.028	27.816	0.026	28.161	0.028
55	2.6887e+01	3.500e-02	26.891	0.033	26.904	0.032	26.933	0.033	27.121	0.029
60	2.6189e+01	3.270e-02	26.203	0.032	26.214	0.033	26.224	0.033	26.327	0.030
65	2.5752e+01	2.750e-02	25.761	0.026	25.764	0.026	25.774	0.026	25.834	0.025
70	2.5284e+01	3.450e-02	25.276	0.032	25.278	0.032	25.279	0.032	25.323	0.032
75	2.4875e+01	2.840e-02	24.878	0.031	24.889	0.030	24.899	0.029	24.928	0.027
80	2.4619e+01	3.160e-02	24.618	0.031	24.627	0.030	24.634	0.029	24.650	0.029
85	2.4340e+01	2.380e-02	24.363	0.025	24.364	0.026	24.374	0.026	24.387	0.025
90	2.4100e+01	2.650e-02	24.115	0.027	24.115	0.027	24.115	0.027	24.124	0.028
95	2.3867e+01	4.010e-02	23.869	0.038	23.872	0.038	23.876	0.034	23.898	0.033
100	2.3715e+01	3.520e-02	23.712	0.035	23.716	0.034	23.727	0.033	23.729	0.032
125	2.3059e+01	3.100e-02	23.061	0.030	23.058	0.030	23.055	0.029	23.066	0.027
150	2.2550e+01	2.890e-02	22.552	0.029	22.562	0.030	22.558	0.030	22.561	0.031
175	2.2277e+01	3.170e-02	22.295	0.030	22.296	0.029	22.294	0.029	22.288	0.029
200	2.2102e+01	2.440e-02	22.100	0.023	22.103	0.022	22.108	0.021	22.104	0.023
225	2.1947e+01	2.790e-02	21.944	0.027	21.945	0.027	21.942	0.027	21.943	0.027
250	2.1782e+01	2.840e-02	21.796	0.030	21.788	0.029	21.788	0.029	21.787	0.029
275	2.1834e+01	1.003e-01	21.756	0.097	21.759	0.093	21.746	0.093	21.755	0.092
300	2.1606e+01	1.425e-01	21.730	0.185	21.719	0.158	21.742	0.154	21.689	0.153
325	2.1534e+01	8.470e-02	21.445	0.071	21.443	0.075	21.473	0.069	21.510	0.063
350	2.1577e+01	1.890e-01	21.511	0.181	21.511	0.165	21.537	0.179	21.480	0.174
375	2.1510e+01	1.710e-01	21.391	0.126	21.483	0.161	21.484	0.158	21.596	0.158
400	2.1357e+01	1.674e-01	21.332	0.165	21.353	0.163	21.358	0.168	21.294	0.184
425	2.1361e+01	1.508e-01	21.325	0.152	21.347	0.147	21.382	0.152	21.365	0.150
450	2.1244e+01	1.192e-01	21.270	0.115	21.317	0.120	21.323	0.118	21.233	0.102
475	2.1306e+01	1.858e-01	21.367	0.180	21.414	0.198	21.376	0.196	21.396	0.189
500	2.1438e+01	1.691e-01	21.377	0.147	21.382	0.163	21.348	0.152	21.226	0.116

n	Control Limits $h_{n, \alpha=0.001, p=4}$									
	5	$se_{5,0.001}$	20	$se_{20,0.001}$	25	$se_{25,0.001}$	30	$se_{30,0.001}$	40	$se_{40,0.001}$
6	2.6500e+08	2.560e+07	-	-	-	-	-	-	-	-
7	5.9472e+04	1.736e+03	-	-	-	-	-	-	-	-
8	3.8981e+03	8.041e+01	-	-	-	-	-	-	-	-
9	1.0173e+03	1.224e+01	-	-	-	-	-	-	-	-
10	4.4885e+02	3.712e+00	-	-	-	-	-	-	-	-
11	2.6723e+02	1.455e+00	-	-	-	-	-	-	-	-
12	1.8702e+02	8.029e-01	-	-	-	-	-	-	-	-
13	1.4089e+02	6.546e-01	-	-	-	-	-	-	-	-
14	1.1458e+02	4.092e-01	-	-	-	-	-	-	-	-
15	9.6584e+01	4.269e-01	-	-	-	-	-	-	-	-
16	8.4593e+01	2.962e-01	-	-	-	-	-	-	-	-
17	7.5689e+01	2.303e-01	-	-	-	-	-	-	-	-
18	6.8762e+01	2.189e-01	-	-	-	-	-	-	-	-
19	6.3479e+01	1.515e-01	-	-	-	-	-	-	-	-
20	5.8937e+01	1.640e-01	-	-	-	-	-	-	-	-
21	5.5333e+01	1.102e-01	63.719	0.215	-	-	-	-	-	-
22	5.2385e+01	1.088e-01	56.116	0.174	-	-	-	-	-	-
23	4.9961e+01	1.048e-01	51.989	0.115	-	-	-	-	-	-
24	4.8021e+01	9.690e-02	49.207	0.114	-	-	-	-	-	-
25	4.6208e+01	1.076e-01	47.056	0.106	-	-	-	-	-	-
26	4.4456e+01	9.790e-02	45.058	0.108	51.530	0.180	-	-	-	-
27	4.2864e+01	1.148e-01	43.303	0.108	46.483	0.124	-	-	-	-
28	4.1794e+01	8.200e-02	42.083	0.078	43.864	0.087	-	-	-	-
29	4.0795e+01	1.016e-01	41.083	0.098	42.207	0.100	-	-	-	-
30	3.9736e+01	7.130e-02	39.965	0.072	40.637	0.075	-	-	-	-
31	3.8943e+01	7.810e-02	39.115	0.075	39.646	0.067	45.363	0.091	-	-
32	3.8221e+01	9.030e-02	38.336	0.082	38.743	0.083	41.636	0.083	-	-
33	3.7310e+01	7.150e-02	37.458	0.074	37.752	0.078	39.535	0.068	-	-
34	3.6678e+01	7.140e-02	36.767	0.065	37.042	0.068	38.225	0.062	-	-
35	3.6114e+01	8.760e-02	36.200	0.085	36.376	0.083	37.202	0.081	-	-
36	3.5563e+01	7.310e-02	35.648	0.074	35.816	0.066	36.403	0.073	-	-
37	3.5037e+01	7.040e-02	35.112	0.068	35.236	0.063	35.667	0.062	-	-
38	3.4502e+01	6.920e-02	34.594	0.068	34.715	0.067	35.083	0.064	-	-
39	3.4045e+01	5.730e-02	34.091	0.058	34.205	0.057	34.500	0.059	-	-
40	3.3716e+01	5.680e-02	33.754	0.058	33.850	0.057	34.076	0.062	-	-
41	3.3363e+01	5.920e-02	33.385	0.059	33.462	0.056	33.634	0.058	39.063	0.100
42	3.3023e+01	5.510e-02	33.030	0.055	33.092	0.052	33.238	0.052	36.305	0.076
43	3.2617e+01	6.910e-02	32.642	0.068	32.701	0.068	32.846	0.066	34.784	0.065
44	3.2320e+01	5.270e-02	32.359	0.051	32.411	0.052	32.515	0.052	33.891	0.065
45	3.1971e+01	5.510e-02	31.999	0.053	32.040	0.051	32.122	0.051	33.171	0.056
46	3.1640e+01	4.920e-02	31.702	0.047	31.728	0.045	31.780	0.047	32.586	0.060
47	3.1512e+01	5.390e-02	31.534	0.053	31.555	0.052	31.613	0.050	32.235	0.053
48	3.1152e+01	4.670e-02	31.174	0.046	31.216	0.042	31.279	0.039	31.742	0.047
49	3.1035e+01	5.050e-02	31.055	0.050	31.097	0.047	31.121	0.045	31.511	0.041
50	3.0701e+01	4.540e-02	30.727	0.046	30.763	0.047	30.793	0.049	31.112	0.043
55	2.9730e+01	4.430e-02	29.741	0.044	29.740	0.043	29.772	0.043	29.933	0.042
60	2.8865e+01	4.140e-02	28.877	0.043	28.889	0.041	28.902	0.041	28.992	0.042
65	2.8416e+01	4.770e-02	28.419	0.048	28.427	0.048	28.444	0.048	28.479	0.046
70	2.7906e+01	6.590e-02	27.907	0.065	27.921	0.063	27.919	0.061	27.969	0.060
75	2.7420e+01	4.240e-02	27.427	0.042	27.431	0.042	27.430	0.042	27.452	0.042
80	2.7070e+01	4.690e-02	27.067	0.047	27.070	0.046	27.069	0.046	27.079	0.047
85	2.6776e+01	4.390e-02	26.787	0.042	26.785	0.042	26.795	0.042	26.798	0.043
90	2.6435e+01	4.110e-02	26.450	0.044	26.449	0.044	26.449	0.043	26.459	0.042
95	2.6234e+01	5.040e-02	26.245	0.048	26.243	0.048	26.237	0.047	26.256	0.047
100	2.6002e+01	4.970e-02	26.006	0.051	26.006	0.050	26.014	0.050	26.022	0.049
125	2.5213e+01	3.560e-02	25.217	0.036	25.218	0.036	25.217	0.035	25.226	0.035
150	2.4664e+01	3.030e-02	24.659	0.030	24.660	0.030	24.659	0.030	24.658	0.028
175	2.4381e+01	3.600e-02	24.381	0.034	24.377	0.035	24.384	0.034	24.384	0.033
200	2.4124e+01	3.000e-02	24.132	0.030	24.122	0.030	24.131	0.029	24.135	0.030
225	2.3845e+01	4.070e-02	23.852	0.040	23.852	0.041	23.856	0.039	23.850	0.040
250	2.3720e+01	3.440e-02	23.727	0.033	23.717	0.032	23.722	0.033	23.720	0.033
275	2.3670e+01	2.060e-01	23.665	0.200	23.679	0.202	23.642	0.200	23.555	0.214
300	2.3510e+01	1.447e-01	23.491	0.139	23.511	0.136	23.515	0.134	23.534	0.134
325	2.3731e+01	1.887e-01	23.727	0.190	23.790	0.222	23.796	0.217	23.803	0.209
350	2.3355e+01	1.758e-01	23.349	0.168	23.374	0.161	23.366	0.161	23.339	0.163
375	2.3837e+01	1.894e-01	23.829	0.183	23.821	0.183	23.832	0.184	23.814	0.184
400	2.3436e+01	1.829e-01	23.322	0.193	23.357	0.189	23.347	0.187	23.397	0.198
425	2.3602e+01	2.339e-01	23.608	0.233	23.603	0.234	23.583	0.240	23.551	0.244
450	2.3530e+01	1.345e-01	23.545	0.150	23.512	0.169	23.554	0.144	23.527	0.140
475	2.3453e+01	2.134e-01	23.510	0.210	23.503	0.210	23.473	0.208	23.464	0.214
500	2.3461e+01	2.585e-01	23.468	0.250	23.446	0.254	23.429	0.242	23.422	0.228

n	Control Limits $h_{p, \alpha=0.0005, p=4}$									
	5	$se_{5,0.0005}$	20	$se_{20,0.0005}$	25	$se_{25,0.0005}$	30	$se_{30,0.0005}$	40	$se_{40,0.0005}$
6	1.0200e+09	9.940e+07	-	-	-	-	-	-	-	-
7	1.2300e+05	4.433e+03	-	-	-	-	-	-	-	-
8	6.4053e+03	1.960e+02	-	-	-	-	-	-	-	-
9	1.4454e+03	2.749e+01	-	-	-	-	-	-	-	-
10	6.0925e+02	6.484e+00	-	-	-	-	-	-	-	-
11	3.4179e+02	3.427e+00	-	-	-	-	-	-	-	-
12	2.3350e+02	2.159e+00	-	-	-	-	-	-	-	-
13	1.7286e+02	1.343e+00	-	-	-	-	-	-	-	-
14	1.3763e+02	9.513e-01	-	-	-	-	-	-	-	-
15	1.1529e+02	6.059e-01	-	-	-	-	-	-	-	-
16	9.9589e+01	4.660e-01	-	-	-	-	-	-	-	-
17	8.8978e+01	4.314e-01	-	-	-	-	-	-	-	-
18	7.9854e+01	4.444e-01	-	-	-	-	-	-	-	-
19	7.3144e+01	3.071e-01	-	-	-	-	-	-	-	-
20	6.7852e+01	3.036e-01	-	-	-	-	-	-	-	-
21	6.2900e+01	2.068e-01	71.925	0.440	-	-	-	-	-	-
22	5.9556e+01	1.573e-01	63.177	0.249	-	-	-	-	-	-
23	5.6646e+01	1.915e-01	58.603	0.187	-	-	-	-	-	-
24	5.4275e+01	1.826e-01	55.236	0.192	-	-	-	-	-	-
25	5.2018e+01	1.868e-01	52.755	0.180	-	-	-	-	-	-
26	5.0109e+01	1.539e-01	50.572	0.170	56.977	0.274	-	-	-	-
27	4.8284e+01	1.467e-01	48.713	0.145	51.661	0.178	-	-	-	-
28	4.6695e+01	1.212e-01	47.054	0.123	48.720	0.157	-	-	-	-
29	4.5485e+01	1.518e-01	45.779	0.152	46.874	0.142	-	-	-	-
30	4.4277e+01	1.156e-01	44.516	0.123	45.215	0.120	-	-	-	-
31	4.3405e+01	1.003e-01	43.563	0.098	44.131	0.104	49.805	0.149	-	-
32	4.2572e+01	1.063e-01	42.681	0.104	43.015	0.112	45.812	0.137	-	-
33	4.1554e+01	1.105e-01	41.633	0.114	41.846	0.113	43.562	0.125	-	-
34	4.0786e+01	1.037e-01	40.904	0.098	41.092	0.091	42.187	0.111	-	-
35	3.9998e+01	1.043e-01	40.066	0.103	40.252	0.095	41.050	0.112	-	-
36	3.9542e+01	1.012e-01	39.594	0.102	39.689	0.100	40.210	0.118	-	-
37	3.8857e+01	1.099e-01	38.924	0.109	38.985	0.108	39.452	0.098	-	-
38	3.8253e+01	9.510e-02	38.346	0.094	38.436	0.092	38.716	0.085	-	-
39	3.7659e+01	1.016e-01	37.725	0.098	37.778	0.095	38.039	0.095	-	-
40	3.7295e+01	1.103e-01	37.335	0.107	37.400	0.106	37.557	0.101	-	-
41	3.6764e+01	9.370e-02	36.835	0.091	36.884	0.088	37.016	0.085	42.513	0.154
42	3.6447e+01	9.380e-02	36.498	0.095	36.541	0.101	36.674	0.101	39.602	0.109
43	3.5992e+01	8.480e-02	36.045	0.081	36.100	0.081	36.194	0.079	38.075	0.085
44	3.5556e+01	7.870e-02	35.604	0.080	35.653	0.079	35.724	0.076	37.150	0.085
45	3.5239e+01	9.020e-02	35.268	0.090	35.316	0.089	35.394	0.087	36.328	0.068
46	3.4875e+01	8.390e-02	34.916	0.083	34.948	0.079	35.010	0.079	35.684	0.089
47	3.4629e+01	9.630e-02	34.672	0.093	34.696	0.092	34.755	0.090	35.240	0.089
48	3.4280e+01	8.570e-02	34.316	0.098	34.344	0.097	34.382	0.096	34.819	0.107
49	3.4097e+01	9.210e-02	34.098	0.092	34.134	0.092	34.176	0.091	34.533	0.091
50	3.3791e+01	6.060e-02	33.807	0.059	33.816	0.059	33.866	0.064	34.129	0.069
55	3.2602e+01	6.630e-02	32.605	0.063	32.615	0.063	32.640	0.061	32.791	0.059
60	3.1666e+01	6.290e-02	31.648	0.062	31.667	0.063	31.691	0.063	31.757	0.061
65	3.0988e+01	6.530e-02	31.001	0.064	30.995	0.065	31.006	0.066	31.056	0.065
70	3.0528e+01	7.230e-02	30.541	0.073	30.529	0.072	30.523	0.073	30.557	0.073
75	2.9929e+01	5.470e-02	29.938	0.054	29.947	0.054	29.936	0.053	29.939	0.053
80	2.9523e+01	6.360e-02	29.532	0.061	29.533	0.061	29.532	0.060	29.533	0.059
85	2.9223e+01	6.500e-02	29.253	0.064	29.247	0.063	29.265	0.063	29.271	0.063
90	2.8853e+01	6.480e-02	28.847	0.066	28.854	0.065	28.857	0.065	28.875	0.066
95	2.8593e+01	6.920e-02	28.577	0.070	28.578	0.069	28.587	0.067	28.589	0.067
100	2.8315e+01	6.750e-02	28.287	0.067	28.289	0.067	28.299	0.067	28.324	0.067
125	2.7395e+01	4.610e-02	27.399	0.046	27.410	0.045	27.416	0.047	27.404	0.048
150	2.6746e+01	4.400e-02	26.760	0.043	26.738	0.044	26.735	0.044	26.745	0.043
175	2.6377e+01	5.610e-02	26.388	0.055	26.389	0.055	26.390	0.055	26.394	0.055
200	2.6134e+01	4.620e-02	26.130	0.047	26.126	0.048	26.099	0.048	26.108	0.047
225	2.5869e+01	4.550e-02	25.857	0.045	25.863	0.046	25.867	0.045	25.869	0.045
250	2.5694e+01	5.890e-02	25.713	0.060	25.713	0.060	25.718	0.060	25.692	0.060
275	2.5882e+01	2.330e-01	25.861	0.231	25.855	0.231	25.854	0.230	25.841	0.229
300	2.5822e+01	1.569e-01	25.808	0.153	25.803	0.151	25.798	0.150	25.799	0.149
325	2.6244e+01	2.965e-01	26.281	0.297	26.277	0.297	26.272	0.298	26.284	0.288
350	2.5515e+01	2.552e-01	25.549	0.253	25.546	0.252	25.543	0.251	25.538	0.250
375	2.5876e+01	3.052e-01	25.857	0.302	25.850	0.300	25.844	0.299	25.852	0.288
400	2.5048e+01	1.636e-01	25.051	0.159	25.049	0.159	25.046	0.158	25.042	0.158
425	2.5132e+01	1.840e-01	25.164	0.165	25.161	0.165	25.157	0.165	25.149	0.165
450	2.5268e+01	2.043e-01	25.309	0.195	25.307	0.195	25.305	0.195	25.335	0.182
475	2.5597e+01	1.696e-01	25.581	0.167	25.575	0.166	25.570	0.165	25.559	0.163
500	2.5477e+01	2.706e-01	25.557	0.271	25.553	0.271	25.549	0.271	25.548	0.272

n	Control Limits $h_{n,\alpha=0.01,p=5}$									
	6	$se_{6,0.01}$	20	$se_{20,0.01}$	25	$se_{25,0.01}$	30	$se_{30,0.01}$	40	$se_{40,0.01}$
7	5.1600e+06	6.540e+04	-	-	-	-	-	-	-	-
8	1.0077e+04	7.363e+01	-	-	-	-	-	-	-	-
9	1.2439e+03	5.191e+00	-	-	-	-	-	-	-	-
10	4.3103e+02	1.266e+00	-	-	-	-	-	-	-	-
11	2.3128e+02	6.302e-01	-	-	-	-	-	-	-	-
12	1.5174e+02	2.681e-01	-	-	-	-	-	-	-	-
13	1.1287e+02	1.905e-01	-	-	-	-	-	-	-	-
14	9.0236e+01	1.303e-01	-	-	-	-	-	-	-	-
15	7.5616e+01	1.040e-01	-	-	-	-	-	-	-	-
16	6.5680e+01	9.160e-02	-	-	-	-	-	-	-	-
17	5.8570e+01	6.790e-02	-	-	-	-	-	-	-	-
18	5.3093e+01	5.570e-02	-	-	-	-	-	-	-	-
19	4.8741e+01	5.020e-02	-	-	-	-	-	-	-	-
20	4.5516e+01	4.290e-02	-	-	-	-	-	-	-	-
21	4.2809e+01	3.620e-02	52.934	0.076	-	-	-	-	-	-
22	4.0533e+01	3.690e-02	45.626	0.055	-	-	-	-	-	-
23	3.8726e+01	3.710e-02	41.697	0.037	-	-	-	-	-	-
24	3.7166e+01	3.630e-02	39.133	0.030	-	-	-	-	-	-
25	3.5792e+01	3.340e-02	37.177	0.028	-	-	-	-	-	-
26	3.4629e+01	2.370e-02	35.629	0.028	43.093	0.038	-	-	-	-
27	3.3654e+01	2.910e-02	34.383	0.028	38.145	0.027	-	-	-	-
28	3.2698e+01	2.250e-02	33.273	0.020	35.586	0.022	-	-	-	-
29	3.1884e+01	2.680e-02	32.322	0.022	33.863	0.025	-	-	-	-
30	3.1108e+01	3.130e-02	31.487	0.031	32.562	0.031	-	-	-	-
31	3.0446e+01	2.580e-02	30.743	0.023	31.543	0.027	38.151	0.045	-	-
32	2.9878e+01	1.980e-02	30.134	0.019	30.746	0.020	34.245	0.031	-	-
33	2.9326e+01	2.150e-02	29.565	0.021	30.023	0.015	32.206	0.021	-	-
34	2.8831e+01	2.250e-02	29.006	0.020	29.399	0.020	30.916	0.022	-	-
35	2.8396e+01	2.100e-02	28.562	0.020	28.862	0.016	29.953	0.017	-	-
36	2.7954e+01	2.630e-02	28.090	0.025	28.359	0.021	29.150	0.019	-	-
37	2.7580e+01	2.940e-02	27.709	0.024	27.935	0.021	28.553	0.021	-	-
38	2.7236e+01	2.380e-02	27.352	0.021	27.541	0.021	28.011	0.019	-	-
39	2.6930e+01	2.410e-02	27.022	0.023	27.179	0.023	27.559	0.023	-	-
40	2.6623e+01	2.170e-02	26.719	0.023	26.846	0.022	27.158	0.022	-	-
41	2.6345e+01	2.400e-02	26.416	0.023	26.531	0.022	26.788	0.021	33.283	0.031
42	2.6093e+01	2.550e-02	26.162	0.026	26.266	0.023	26.478	0.020	30.271	0.024
43	2.5835e+01	2.000e-02	25.884	0.019	25.968	0.019	26.159	0.018	28.742	0.023
44	2.5589e+01	1.910e-02	25.639	0.019	25.712	0.016	25.868	0.017	27.757	0.016
45	2.5376e+01	2.230e-02	25.433	0.022	25.499	0.021	25.634	0.019	27.039	0.016
46	2.5158e+01	2.030e-02	25.206	0.019	25.266	0.017	25.383	0.014	26.499	0.017
47	2.4996e+01	1.830e-02	25.029	0.018	25.084	0.017	25.182	0.018	26.077	0.014
48	2.4782e+01	1.770e-02	24.819	0.017	24.871	0.017	24.961	0.017	25.671	0.014
49	2.4630e+01	1.790e-02	24.661	0.018	24.703	0.019	24.780	0.017	25.370	0.014
50	2.4459e+01	1.720e-02	24.484	0.014	24.527	0.015	24.599	0.014	25.082	0.016
55	2.3739e+01	1.910e-02	23.760	0.017	23.790	0.017	23.829	0.016	24.049	0.015
60	2.3124e+01	1.820e-02	23.146	0.017	23.155	0.017	23.193	0.016	23.333	0.014
65	2.2685e+01	1.930e-02	22.705	0.018	22.719	0.019	22.739	0.019	22.823	0.015
70	2.2360e+01	2.170e-02	22.363	0.018	22.367	0.020	22.381	0.018	22.426	0.015
75	2.2013e+01	1.740e-02	22.012	0.015	22.020	0.015	22.030	0.015	22.064	0.013
80	2.1759e+01	2.030e-02	21.756	0.020	21.757	0.019	21.771	0.019	21.805	0.018
85	2.1502e+01	2.370e-02	21.499	0.022	21.506	0.021	21.503	0.020	21.517	0.020
90	2.1340e+01	1.700e-02	21.337	0.018	21.341	0.016	21.347	0.017	21.359	0.015
95	2.1159e+01	2.180e-02	21.155	0.021	21.155	0.021	21.164	0.020	21.170	0.019
100	2.1002e+01	2.020e-02	20.996	0.019	20.993	0.018	20.997	0.017	21.009	0.014
125	2.0404e+01	2.710e-02	20.396	0.023	20.398	0.023	20.398	0.021	20.406	0.019
150	2.0021e+01	2.940e-02	20.014	0.029	20.019	0.028	20.021	0.027	20.015	0.022
175	1.9750e+01	2.420e-02	19.747	0.023	19.749	0.022	19.751	0.020	19.748	0.022
200	1.9586e+01	3.970e-02	19.569	0.039	19.590	0.038	19.580	0.039	19.573	0.035
225	1.9483e+01	4.160e-02	19.477	0.040	19.467	0.038	19.471	0.036	19.438	0.026
250	1.9316e+01	4.500e-02	19.300	0.037	19.302	0.040	19.299	0.037	19.309	0.036
275	1.9530e+01	2.085e-01	19.416	0.200	19.396	0.175	19.180	0.180	19.148	0.165
300	1.9197e+01	2.944e-01	19.401	0.313	19.383	0.324	19.386	0.330	19.176	0.220
325	1.9615e+01	2.519e-01	19.598	0.249	19.507	0.219	19.531	0.176	19.381	0.186
350	1.9691e+01	2.149e-01	19.342	0.279	19.479	0.262	19.462	0.259	19.287	0.235
375	1.9822e+01	5.700e-01	19.742	0.561	19.863	0.447	19.820	0.427	19.852	0.307
400	1.9861e+01	4.233e-01	19.948	0.376	20.285	0.447	20.231	0.410	19.922	0.392
425	1.9793e+01	3.541e-01	19.789	0.311	19.564	0.309	19.833	0.312	19.614	0.390
450	2.0075e+01	6.478e-01	21.111	0.443	20.731	0.394	20.480	0.388	19.388	0.385
475	1.9681e+01	3.896e-01	19.808	0.328	19.972	0.423	19.437	0.358	19.635	0.315
500	1.9433e+01	4.731e-01	19.416	0.338	19.600	0.407	19.740	0.411	20.041	0.403



n	Control Limits $h_{n, \alpha=0.005, p=5}$									
	6	$se_{6,0.005}$	20	$se_{20,0.005}$	25	$se_{25,0.005}$	30	$se_{30,0.005}$	40	$se_{40,0.005}$
7	2.1200e+07	4.950e+05	-	-	-	-	-	-	-	-
8	2.0695e+04	1.801e+02	-	-	-	-	-	-	-	-
9	2.0204e+03	1.001e+01	-	-	-	-	-	-	-	-
10	6.2587e+02	2.585e+00	-	-	-	-	-	-	-	-
11	3.1620e+02	1.338e+00	-	-	-	-	-	-	-	-
12	1.9999e+02	6.415e-01	-	-	-	-	-	-	-	-
13	1.4430e+02	3.304e-01	-	-	-	-	-	-	-	-
14	1.1347e+02	2.341e-01	-	-	-	-	-	-	-	-
15	9.3802e+01	1.726e-01	-	-	-	-	-	-	-	-
16	8.0553e+01	1.785e-01	-	-	-	-	-	-	-	-
17	7.1076e+01	1.154e-01	-	-	-	-	-	-	-	-
18	6.3982e+01	8.890e-02	-	-	-	-	-	-	-	-
19	5.8317e+01	8.450e-02	-	-	-	-	-	-	-	-
20	5.4100e+01	8.390e-02	-	-	-	-	-	-	-	-
21	5.0649e+01	6.770e-02	60.978	0.124	-	-	-	-	-	-
22	4.7951e+01	6.690e-02	52.678	0.090	-	-	-	-	-	-
23	4.5436e+01	4.600e-02	48.166	0.050	-	-	-	-	-	-
24	4.3461e+01	4.880e-02	45.264	0.056	-	-	-	-	-	-
25	4.1782e+01	5.200e-02	42.982	0.047	-	-	-	-	-	-
26	4.0324e+01	4.260e-02	41.182	0.041	48.665	0.068	-	-	-	-
27	3.8928e+01	4.120e-02	39.565	0.042	43.296	0.052	-	-	-	-
28	3.7833e+01	2.990e-02	38.343	0.035	40.524	0.034	-	-	-	-
29	3.6794e+01	3.700e-02	37.207	0.035	38.621	0.036	-	-	-	-
30	3.5904e+01	2.970e-02	36.195	0.032	37.204	0.035	-	-	-	-
31	3.5055e+01	3.670e-02	35.297	0.038	36.041	0.039	42.526	0.074	-	-
32	3.4338e+01	3.830e-02	34.526	0.037	35.072	0.035	38.536	0.042	-	-
33	3.3665e+01	2.840e-02	33.848	0.026	34.258	0.027	36.431	0.029	-	-
34	3.3067e+01	3.310e-02	33.213	0.031	33.520	0.030	34.977	0.028	-	-
35	3.2521e+01	2.500e-02	32.680	0.024	32.937	0.022	33.948	0.023	-	-
36	3.1951e+01	3.640e-02	32.083	0.036	32.301	0.033	33.062	0.029	-	-
37	3.1521e+01	2.920e-02	31.608	0.029	31.793	0.027	32.392	0.029	-	-
38	3.1080e+01	3.300e-02	31.163	0.030	31.327	0.030	31.773	0.031	-	-
39	3.0717e+01	3.490e-02	30.794	0.031	30.918	0.028	31.275	0.031	-	-
40	3.0349e+01	2.900e-02	30.436	0.030	30.568	0.031	30.851	0.027	-	-
41	2.9946e+01	3.180e-02	30.026	0.031	30.124	0.031	30.382	0.030	36.719	0.046
42	2.9668e+01	2.270e-02	29.725	0.025	29.812	0.025	30.001	0.028	33.671	0.041
43	2.9348e+01	3.200e-02	29.382	0.031	29.461	0.030	29.610	0.028	32.068	0.032
44	2.9067e+01	2.520e-02	29.112	0.025	29.172	0.023	29.305	0.023	31.070	0.026
45	2.8800e+01	2.270e-02	28.833	0.023	28.890	0.022	29.019	0.025	30.324	0.020
46	2.8533e+01	3.260e-02	28.556	0.031	28.603	0.028	28.710	0.028	29.746	0.025
47	2.8326e+01	2.950e-02	28.360	0.027	28.402	0.026	28.502	0.026	29.305	0.019
48	2.8085e+01	3.100e-02	28.125	0.026	28.156	0.025	28.246	0.023	28.891	0.021
49	2.7903e+01	2.220e-02	27.944	0.020	27.970	0.021	28.039	0.021	28.548	0.022
50	2.7694e+01	2.950e-02	27.732	0.027	27.771	0.027	27.843	0.027	28.277	0.023
55	2.6826e+01	1.870e-02	26.828	0.018	26.848	0.018	26.886	0.018	27.098	0.019
60	2.6111e+01	2.440e-02	26.126	0.023	26.139	0.022	26.168	0.021	26.281	0.021
65	2.5538e+01	2.760e-02	25.545	0.025	25.559	0.025	25.580	0.025	25.652	0.022
70	2.5117e+01	2.500e-02	25.123	0.023	25.128	0.022	25.150	0.023	25.195	0.024
75	2.4703e+01	2.360e-02	24.711	0.021	24.718	0.021	24.727	0.020	24.760	0.019
80	2.4408e+01	2.710e-02	24.423	0.025	24.420	0.026	24.429	0.025	24.448	0.024
85	2.4100e+01	2.260e-02	24.090	0.022	24.092	0.020	24.090	0.021	24.117	0.020
90	2.3873e+01	2.370e-02	23.875	0.021	23.872	0.020	23.883	0.020	23.908	0.022
95	2.3634e+01	2.590e-02	23.635	0.025	23.632	0.026	23.639	0.026	23.657	0.024
100	2.3453e+01	1.590e-02	23.455	0.015	23.454	0.015	23.462	0.015	23.477	0.013
125	2.2747e+01	2.610e-02	22.750	0.026	22.758	0.025	22.764	0.025	22.767	0.021
150	2.2343e+01	2.130e-02	22.346	0.023	22.350	0.021	22.352	0.023	22.346	0.021
175	2.1997e+01	2.470e-02	21.990	0.023	21.986	0.025	21.994	0.024	22.005	0.023
200	2.1812e+01	1.890e-02	21.826	0.020	21.824	0.018	21.827	0.018	21.824	0.021
225	2.1625e+01	2.720e-02	21.633	0.027	21.635	0.027	21.630	0.025	21.620	0.026
250	2.1493e+01	3.080e-02	21.515	0.030	21.518	0.029	21.521	0.028	21.520	0.031
275	2.1317e+01	9.530e-02	21.206	0.092	21.296	0.110	21.246	0.098	21.375	0.099
300	2.1438e+01	1.561e-01	21.509	0.148	21.409	0.139	21.500	0.148	21.364	0.165
325	2.1412e+01	1.274e-01	21.400	0.133	21.395	0.104	21.353	0.138	21.431	0.134
350	2.1331e+01	1.315e-01	21.232	0.112	21.350	0.146	21.332	0.156	21.199	0.114
375	2.1547e+01	1.556e-01	21.568	0.174	21.459	0.161	21.505	0.141	21.498	0.160
400	2.1257e+01	1.750e-01	21.303	0.165	21.239	0.152	21.225	0.122	21.188	0.127
425	2.1115e+01	2.049e-01	21.134	0.143	21.090	0.155	21.136	0.169	21.123	0.167
450	2.1187e+01	1.549e-01	21.065	0.132	21.074	0.133	21.076	0.140	21.077	0.180
475	2.0939e+01	2.716e-01	21.102	0.267	21.077	0.246	21.288	0.305	20.976	0.199
500	2.1240e+01	1.311e-01	21.108	0.184	21.041	0.172	21.110	0.189	21.176	0.142

n	Control Limits $h_{n, \alpha=0.002, p=5}$									
	6	$se_{6,0.002}$	20	$se_{20,0.002}$	25	$se_{25,0.002}$	30	$se_{30,0.002}$	40	$se_{40,0.002}$
7	1.3000e+08	4.220e+06	-	-	-	-	-	-	-	-
8	5.2363e+04	5.913e+02	-	-	-	-	-	-	-	-
9	3.8058e+03	2.768e+01	-	-	-	-	-	-	-	-
10	1.0231e+03	7.226e+00	-	-	-	-	-	-	-	-
11	4.6919e+02	2.783e+00	-	-	-	-	-	-	-	-
12	2.8448e+02	1.262e+00	-	-	-	-	-	-	-	-
13	1.9633e+02	6.814e-01	-	-	-	-	-	-	-	-
14	1.5097e+02	3.985e-01	-	-	-	-	-	-	-	-
15	1.2292e+02	3.862e-01	-	-	-	-	-	-	-	-
16	1.0319e+02	2.590e-01	-	-	-	-	-	-	-	-
17	9.0198e+01	2.360e-01	-	-	-	-	-	-	-	-
18	8.0308e+01	1.893e-01	-	-	-	-	-	-	-	-
19	7.2559e+01	1.788e-01	-	-	-	-	-	-	-	-
20	6.6781e+01	1.449e-01	-	-	-	-	-	-	-	-
21	6.2068e+01	1.320e-01	72.852	0.233	-	-	-	-	-	-
22	5.8225e+01	1.139e-01	62.995	0.132	-	-	-	-	-	-
23	5.4943e+01	9.770e-02	57.466	0.114	-	-	-	-	-	-
24	5.2374e+01	9.000e-02	53.927	0.109	-	-	-	-	-	-
25	5.0136e+01	9.040e-02	51.116	0.098	-	-	-	-	-	-
26	4.8271e+01	5.970e-02	48.913	0.062	56.436	0.141	-	-	-	-
27	4.6472e+01	8.900e-02	47.029	0.088	50.538	0.108	-	-	-	-
28	4.4881e+01	6.700e-02	45.291	0.064	47.393	0.058	-	-	-	-
29	4.3570e+01	6.730e-02	43.874	0.064	45.207	0.071	-	-	-	-
30	4.2419e+01	5.690e-02	42.646	0.057	43.581	0.075	-	-	-	-
31	4.1354e+01	7.020e-02	41.517	0.067	42.149	0.071	48.771	0.120	-	-
32	4.0408e+01	5.510e-02	40.569	0.057	41.111	0.055	44.424	0.065	-	-
33	3.9664e+01	5.080e-02	39.793	0.051	40.176	0.053	42.150	0.061	-	-
34	3.8815e+01	5.880e-02	38.937	0.053	39.216	0.055	40.497	0.060	-	-
35	3.8116e+01	4.660e-02	38.223	0.045	38.425	0.048	39.325	0.046	-	-
36	3.7417e+01	5.230e-02	37.509	0.048	37.707	0.047	38.375	0.051	-	-
37	3.6802e+01	5.290e-02	36.873	0.049	37.014	0.048	37.502	0.036	-	-
38	3.6349e+01	4.360e-02	36.423	0.043	36.533	0.044	36.897	0.043	-	-
39	3.5836e+01	3.450e-02	35.890	0.032	36.003	0.032	36.281	0.038	-	-
40	3.5362e+01	4.010e-02	35.439	0.041	35.519	0.042	35.773	0.042	-	-
41	3.4890e+01	4.240e-02	34.952	0.042	35.028	0.038	35.231	0.036	41.349	0.069
42	3.4531e+01	4.080e-02	34.583	0.040	34.655	0.041	34.807	0.040	38.275	0.042
43	3.4089e+01	5.160e-02	34.137	0.048	34.183	0.048	34.311	0.050	36.619	0.052
44	3.3714e+01	5.100e-02	33.754	0.049	33.799	0.051	33.921	0.051	35.497	0.046
45	3.3388e+01	3.200e-02	33.425	0.033	33.476	0.032	33.591	0.030	34.806	0.036
46	3.3059e+01	4.030e-02	33.086	0.037	33.115	0.036	33.209	0.035	34.091	0.038
47	3.2804e+01	3.480e-02	32.825	0.031	32.869	0.030	32.966	0.033	33.647	0.034
48	3.2507e+01	3.170e-02	32.531	0.029	32.568	0.029	32.637	0.030	33.246	0.035
49	3.2226e+01	2.980e-02	32.246	0.032	32.273	0.029	32.330	0.027	32.800	0.030
50	3.1999e+01	4.970e-02	32.028	0.050	32.047	0.048	32.108	0.046	32.502	0.041
55	3.0967e+01	4.320e-02	30.971	0.043	30.992	0.047	31.012	0.046	31.178	0.045
60	3.0000e+01	2.840e-02	30.014	0.029	30.026	0.030	30.053	0.031	30.146	0.030
65	2.9293e+01	3.250e-02	29.309	0.032	29.320	0.033	29.340	0.033	29.400	0.034
70	2.8786e+01	3.940e-02	28.793	0.037	28.796	0.037	28.805	0.037	28.835	0.035
75	2.8265e+01	2.540e-02	28.261	0.027	28.262	0.028	28.273	0.026	28.309	0.026
80	2.7908e+01	3.280e-02	27.916	0.033	27.922	0.032	27.928	0.034	27.937	0.034
85	2.7512e+01	3.100e-02	27.527	0.030	27.528	0.029	27.530	0.029	27.548	0.028
90	2.7250e+01	3.410e-02	27.247	0.034	27.247	0.034	27.248	0.034	27.261	0.032
95	2.6918e+01	3.280e-02	26.917	0.031	26.923	0.032	26.933	0.031	26.951	0.032
100	2.6750e+01	2.930e-02	26.747	0.029	26.746	0.028	26.746	0.028	26.749	0.029
125	2.5836e+01	2.630e-02	25.838	0.026	25.838	0.026	25.840	0.026	25.844	0.027
150	2.5295e+01	3.730e-02	25.313	0.037	25.311	0.039	25.314	0.038	25.317	0.036
175	2.4906e+01	3.460e-02	24.903	0.033	24.911	0.034	24.913	0.034	24.919	0.035
200	2.4667e+01	3.060e-02	24.658	0.029	24.663	0.028	24.661	0.027	24.655	0.025
225	2.4457e+01	3.070e-02	24.455	0.030	24.458	0.029	24.449	0.030	24.449	0.029
250	2.4297e+01	3.010e-02	24.294	0.029	24.292	0.029	24.289	0.029	24.284	0.028
275	2.4155e+01	1.131e-01	24.152	0.109	24.214	0.090	24.220	0.093	24.191	0.094
300	2.3937e+01	1.264e-01	23.966	0.136	23.958	0.136	23.995	0.135	23.930	0.143
325	2.4399e+01	1.421e-01	24.304	0.137	24.308	0.132	24.345	0.142	24.423	0.142
350	2.4286e+01	1.135e-01	24.154	0.110	24.168	0.099	24.047	0.117	23.961	0.108
375	2.4008e+01	1.904e-01	23.935	0.187	23.935	0.185	23.992	0.199	24.020	0.211
400	2.3924e+01	1.651e-01	23.972	0.163	23.969	0.162	24.066	0.157	23.891	0.159
425	2.3696e+01	1.753e-01	23.678	0.128	23.634	0.130	23.607	0.148	23.606	0.145
450	2.3885e+01	1.625e-01	23.874	0.168	23.914	0.174	23.833	0.177	23.691	0.175
475	2.3785e+01	1.173e-01	23.814	0.143	23.860	0.129	23.830	0.129	23.830	0.169
500	2.3804e+01	1.681e-01	23.723	0.190	23.646	0.202	23.676	0.203	23.687	0.208

n	Control Limits $h_{n, \alpha=0.001, p=5}$									
	6	$se_{6,0.001}$	20	$se_{20,0.001}$	25	$se_{25,0.001}$	30	$se_{30,0.001}$	40	$se_{40,0.001}$
7	5.0600e+08	2.010e+07	-	-	-	-	-	-	-	-
8	1.0400e+05	2.008e+03	-	-	-	-	-	-	-	-
9	6.0706e+03	9.842e+01	-	-	-	-	-	-	-	-
10	1.4694e+03	1.285e+01	-	-	-	-	-	-	-	-
11	6.3466e+02	5.317e+00	-	-	-	-	-	-	-	-
12	3.6733e+02	2.186e+00	-	-	-	-	-	-	-	-
13	2.4650e+02	1.790e+00	-	-	-	-	-	-	-	-
14	1.8397e+02	7.138e-01	-	-	-	-	-	-	-	-
15	1.4834e+02	7.581e-01	-	-	-	-	-	-	-	-
16	1.2428e+02	4.104e-01	-	-	-	-	-	-	-	-
17	1.0632e+02	3.464e-01	-	-	-	-	-	-	-	-
18	9.4204e+01	2.822e-01	-	-	-	-	-	-	-	-
19	8.4962e+01	2.003e-01	-	-	-	-	-	-	-	-
20	7.7528e+01	2.131e-01	-	-	-	-	-	-	-	-
21	7.2136e+01	2.223e-01	82.529	0.301	-	-	-	-	-	-
22	6.7090e+01	1.564e-01	71.385	0.179	-	-	-	-	-	-
23	6.2918e+01	1.386e-01	65.353	0.183	-	-	-	-	-	-
24	5.9817e+01	1.516e-01	61.336	0.170	-	-	-	-	-	-
25	5.6873e+01	1.483e-01	57.811	0.153	-	-	-	-	-	-
26	5.4514e+01	1.335e-01	55.177	0.113	62.824	0.194	-	-	-	-
27	5.2410e+01	1.433e-01	52.943	0.129	56.444	0.117	-	-	-	-
28	5.0553e+01	9.430e-02	50.972	0.089	52.920	0.120	-	-	-	-
29	4.9048e+01	1.038e-01	49.298	0.100	50.598	0.120	-	-	-	-
30	4.7678e+01	1.122e-01	47.840	0.112	48.665	0.119	-	-	-	-
31	4.6373e+01	8.660e-02	46.504	0.087	47.127	0.101	53.776	0.184	-	-
32	4.5274e+01	8.710e-02	45.390	0.091	45.828	0.094	49.164	0.109	-	-
33	4.4422e+01	9.620e-02	44.496	0.091	44.852	0.092	46.763	0.110	-	-
34	4.3351e+01	7.590e-02	43.426	0.073	43.715	0.065	44.933	0.090	-	-
35	4.2513e+01	6.840e-02	42.606	0.070	42.793	0.072	43.588	0.073	-	-
36	4.1761e+01	7.840e-02	41.828	0.077	41.980	0.073	42.603	0.069	-	-
37	4.0929e+01	7.010e-02	40.994	0.071	41.103	0.067	41.569	0.064	-	-
38	4.0334e+01	7.660e-02	40.394	0.075	40.521	0.076	40.846	0.068	-	-
39	3.9781e+01	6.580e-02	39.825	0.068	39.911	0.067	40.168	0.069	-	-
40	3.9309e+01	7.910e-02	39.332	0.081	39.403	0.080	39.624	0.075	-	-
41	3.8750e+01	6.550e-02	38.782	0.069	38.841	0.071	39.020	0.064	45.118	0.096
42	3.8327e+01	5.820e-02	38.361	0.060	38.416	0.057	38.546	0.058	41.706	0.060
43	3.7815e+01	7.760e-02	37.860	0.076	37.905	0.073	38.019	0.077	40.061	0.055
44	3.7263e+01	6.580e-02	37.321	0.067	37.366	0.065	37.493	0.060	38.953	0.068
45	3.6965e+01	5.150e-02	37.006	0.050	37.043	0.056	37.146	0.058	38.178	0.055
46	3.6564e+01	5.630e-02	36.586	0.053	36.597	0.052	36.700	0.055	37.514	0.060
47	3.6215e+01	6.660e-02	36.232	0.066	36.252	0.066	36.336	0.065	37.035	0.061
48	3.6011e+01	5.930e-02	36.039	0.059	36.055	0.057	36.133	0.057	36.621	0.065
49	3.5687e+01	6.340e-02	35.709	0.062	35.729	0.063	35.785	0.061	36.192	0.065
50	3.5300e+01	4.970e-02	35.314	0.051	35.342	0.052	35.366	0.049	35.705	0.047
55	3.4029e+01	7.000e-02	34.047	0.067	34.056	0.066	34.102	0.063	34.248	0.056
60	3.2974e+01	4.600e-02	33.000	0.045	33.017	0.045	33.037	0.046	33.124	0.045
65	3.2181e+01	6.450e-02	32.199	0.063	32.202	0.063	32.223	0.064	32.277	0.061
70	3.1522e+01	5.140e-02	31.529	0.053	31.541	0.054	31.548	0.053	31.573	0.051
75	3.0982e+01	4.180e-02	30.994	0.042	30.985	0.042	30.997	0.042	31.036	0.042
80	3.0508e+01	4.490e-02	30.524	0.045	30.532	0.045	30.544	0.044	30.568	0.044
85	3.0073e+01	4.340e-02	30.082	0.044	30.082	0.043	30.090	0.044	30.107	0.042
90	2.9739e+01	4.260e-02	29.739	0.044	29.734	0.044	29.736	0.042	29.751	0.042
95	2.9420e+01	4.990e-02	29.417	0.049	29.416	0.049	29.421	0.048	29.432	0.053
100	2.9142e+01	4.370e-02	29.148	0.044	29.142	0.044	29.148	0.044	29.151	0.044
125	2.8175e+01	4.750e-02	28.163	0.046	28.169	0.045	28.163	0.045	28.170	0.046
150	2.7542e+01	4.810e-02	27.538	0.048	27.542	0.048	27.543	0.048	27.555	0.048
175	2.7064e+01	3.230e-02	27.057	0.031	27.055	0.031	27.062	0.032	27.065	0.034
200	2.6811e+01	3.390e-02	26.806	0.034	26.802	0.034	26.807	0.033	26.807	0.034
225	2.6481e+01	3.960e-02	26.483	0.040	26.469	0.037	26.481	0.038	26.481	0.037
250	2.6422e+01	3.780e-02	26.395	0.039	26.399	0.038	26.394	0.039	26.400	0.038
275	2.6548e+01	1.536e-01	26.505	0.151	26.497	0.149	26.495	0.148	26.328	0.164
300	2.6418e+01	2.434e-01	26.394	0.243	26.392	0.243	26.412	0.241	26.423	0.241
325	2.6452e+01	1.345e-01	26.495	0.131	26.483	0.131	26.541	0.142	26.541	0.141
350	2.6417e+01	1.711e-01	26.429	0.168	26.384	0.185	26.380	0.185	26.388	0.188
375	2.6011e+01	2.151e-01	26.104	0.219	26.064	0.222	26.058	0.221	26.074	0.218
400	2.5898e+01	1.360e-01	25.663	0.158	25.705	0.146	25.740	0.139	25.754	0.128
425	2.5717e+01	1.736e-01	25.705	0.172	25.705	0.171	25.756	0.166	25.738	0.167
450	2.5782e+01	1.394e-01	25.786	0.151	25.788	0.148	25.802	0.127	25.814	0.132
475	2.5711e+01	1.390e-01	25.689	0.138	25.683	0.137	25.695	0.137	25.698	0.134
500	2.5758e+01	1.849e-01	25.763	0.182	25.788	0.191	25.719	0.177	25.724	0.173

n	Control Limits $h_{p, \alpha=0.0005, p=5}$									
	6	$se_{6,0.0005}$	20	$se_{20,0.0005}$	25	$se_{25,0.0005}$	30	$se_{30,0.0005}$	40	$se_{40,0.0005}$
7	2.1900e+09	2.130e+08	-	-	-	-	-	-	-	-
8	2.1500e+05	1.100e+04	-	-	-	-	-	-	-	-
9	1.0072e+04	2.105e+02	-	-	-	-	-	-	-	-
10	2.1615e+03	2.329e+01	-	-	-	-	-	-	-	-
11	8.6425e+02	1.059e+01	-	-	-	-	-	-	-	-
12	4.7515e+02	3.507e+00	-	-	-	-	-	-	-	-
13	3.1022e+02	3.050e+00	-	-	-	-	-	-	-	-
14	2.2688e+02	1.824e+00	-	-	-	-	-	-	-	-
15	1.7832e+02	9.509e-01	-	-	-	-	-	-	-	-
16	1.4790e+02	7.528e-01	-	-	-	-	-	-	-	-
17	1.2583e+02	5.233e-01	-	-	-	-	-	-	-	-
18	1.0997e+02	4.289e-01	-	-	-	-	-	-	-	-
19	9.8205e+01	4.079e-01	-	-	-	-	-	-	-	-
20	8.9716e+01	3.893e-01	-	-	-	-	-	-	-	-
21	8.2722e+01	3.084e-01	92.714	0.480	-	-	-	-	-	-
22	7.6464e+01	2.748e-01	80.663	0.280	-	-	-	-	-	-
23	7.1669e+01	2.578e-01	73.737	0.279	-	-	-	-	-	-
24	6.7819e+01	2.175e-01	69.079	0.212	-	-	-	-	-	-
25	6.4203e+01	2.171e-01	65.174	0.235	-	-	-	-	-	-
26	6.1422e+01	1.835e-01	61.932	0.189	69.979	0.280	-	-	-	-
27	5.8961e+01	1.673e-01	59.413	0.159	62.872	0.228	-	-	-	-
28	5.6649e+01	1.387e-01	56.994	0.137	58.921	0.158	-	-	-	-
29	5.4834e+01	1.462e-01	55.106	0.150	56.435	0.160	-	-	-	-
30	5.3309e+01	1.676e-01	53.498	0.156	54.198	0.141	-	-	-	-
31	5.1777e+01	1.778e-01	51.931	0.171	52.500	0.174	59.197	0.294	-	-
32	5.0348e+01	1.339e-01	50.506	0.129	50.950	0.128	54.223	0.216	-	-
33	4.9387e+01	1.305e-01	49.497	0.128	49.699	0.127	51.647	0.177	-	-
34	4.8090e+01	1.321e-01	48.230	0.145	48.402	0.152	49.619	0.165	-	-
35	4.7085e+01	1.213e-01	47.177	0.122	47.333	0.119	48.131	0.146	-	-
36	4.6168e+01	1.331e-01	46.274	0.130	46.364	0.130	46.954	0.146	-	-
37	4.5214e+01	1.152e-01	45.281	0.111	45.398	0.109	45.803	0.123	-	-
38	4.4659e+01	1.388e-01	44.735	0.148	44.819	0.152	45.083	0.148	-	-
39	4.4023e+01	1.309e-01	44.128	0.130	44.219	0.127	44.429	0.136	-	-
40	4.3359e+01	1.276e-01	43.428	0.126	43.509	0.123	43.733	0.135	-	-
41	4.2781e+01	1.229e-01	42.803	0.118	42.880	0.116	43.081	0.126	48.960	0.169
42	4.1993e+01	9.100e-02	42.044	0.093	42.092	0.092	42.218	0.087	45.306	0.116
43	4.1575e+01	1.013e-01	41.625	0.101	41.680	0.095	41.815	0.091	43.717	0.091
44	4.1029e+01	1.108e-01	41.033	0.108	41.069	0.106	41.194	0.108	42.625	0.110
45	4.0591e+01	8.590e-02	40.618	0.086	40.662	0.089	40.750	0.082	41.677	0.063
46	4.0157e+01	9.190e-02	40.173	0.092	40.228	0.093	40.296	0.094	41.107	0.074
47	3.9819e+01	7.040e-02	39.841	0.072	39.875	0.073	39.936	0.072	40.500	0.071
48	3.9458e+01	1.158e-01	39.491	0.113	39.533	0.111	39.610	0.111	40.070	0.106
49	3.9017e+01	8.870e-02	39.033	0.087	39.039	0.087	39.094	0.087	39.467	0.089
50	3.8643e+01	8.990e-02	38.650	0.088	38.657	0.087	38.683	0.082	39.043	0.095
55	3.7193e+01	8.410e-02	37.186	0.085	37.198	0.084	37.236	0.083	37.418	0.077
60	3.6054e+01	6.680e-02	36.059	0.065	36.057	0.067	36.076	0.066	36.142	0.063
65	3.5155e+01	8.810e-02	35.169	0.089	35.123	0.088	35.154	0.085	35.212	0.083
70	3.4275e+01	7.300e-02	34.279	0.074	34.278	0.075	34.276	0.076	34.312	0.072
75	3.3678e+01	6.170e-02	33.686	0.061	33.684	0.060	33.685	0.060	33.690	0.060
80	3.3208e+01	5.700e-02	33.235	0.055	33.244	0.052	33.244	0.053	33.247	0.053
85	3.2666e+01	7.310e-02	32.704	0.070	32.705	0.070	32.720	0.070	32.725	0.067
90	3.2263e+01	6.400e-02	32.267	0.064	32.270	0.064	32.274	0.064	32.285	0.062
95	3.1949e+01	5.950e-02	31.925	0.061	31.927	0.061	31.939	0.060	31.963	0.064
100	3.1654e+01	6.860e-02	31.633	0.069	31.635	0.069	31.646	0.068	31.661	0.067
125	3.0414e+01	6.330e-02	30.411	0.064	30.411	0.064	30.415	0.064	30.413	0.063
150	2.9778e+01	4.890e-02	29.781	0.050	29.777	0.047	29.779	0.046	29.787	0.047
175	2.9115e+01	4.220e-02	29.120	0.041	29.124	0.041	29.136	0.040	29.144	0.041
200	2.8822e+01	7.530e-02	28.826	0.074	28.825	0.074	28.806	0.075	28.810	0.074
225	2.8616e+01	4.680e-02	28.602	0.046	28.611	0.047	28.613	0.047	28.620	0.048
250	2.8376e+01	5.180e-02	28.384	0.051	28.385	0.050	28.377	0.050	28.368	0.051
275	2.8383e+01	1.800e-01	28.443	0.183	28.438	0.183	28.433	0.182	28.423	0.181
300	2.8309e+01	3.081e-01	28.304	0.308	28.302	0.308	28.301	0.308	28.297	0.308
325	2.8740e+01	1.817e-01	28.730	0.181	28.779	0.163	28.775	0.163	28.802	0.149
350	2.8258e+01	1.887e-01	28.259	0.180	28.253	0.179	28.246	0.177	28.233	0.175
375	2.7918e+01	1.910e-01	27.908	0.189	27.905	0.189	27.902	0.188	27.895	0.187
400	2.7943e+01	2.652e-01	27.937	0.265	27.935	0.264	27.970	0.244	27.988	0.234
425	2.7710e+01	2.272e-01	27.702	0.227	27.700	0.227	27.697	0.227	27.692	0.227
450	2.7832e+01	2.916e-01	27.890	0.295	27.884	0.294	27.878	0.293	27.867	0.292
475	2.7795e+01	1.865e-01	27.783	0.186	27.786	0.185	27.801	0.185	27.797	0.184
500	2.7887e+01	1.699e-01	27.878	0.170	27.874	0.170	27.871	0.170	27.864	0.170

n	Control Limits $h_{n,\alpha=0.01,p=10}$									
	11	$se_{11,0.01}$	20	$se_{20,0.01}$	25	$se_{25,0.01}$	30	$se_{30,0.01}$	40	$se_{40,0.01}$
12	7.1400e+07	8.820e+05	-	-	-	-	-	-	-	-
13	6.3694e+04	2.911e+02	-	-	-	-	-	-	-	-
14	5.6791e+03	2.733e+01	-	-	-	-	-	-	-	-
15	1.6480e+03	5.703e+00	-	-	-	-	-	-	-	-
16	7.7786e+02	1.856e+00	-	-	-	-	-	-	-	-
17	4.6483e+02	8.860e-01	-	-	-	-	-	-	-	-
18	3.1879e+02	6.068e-01	-	-	-	-	-	-	-	-
19	2.4079e+02	3.381e-01	-	-	-	-	-	-	-	-
20	1.9206e+02	2.809e-01	-	-	-	-	-	-	-	-
21	1.5969e+02	1.727e-01	191.590	0.383	-	-	-	-	-	-
22	1.3743e+02	1.401e-01	150.330	0.178	-	-	-	-	-	-
23	1.2106e+02	1.406e-01	127.550	0.155	-	-	-	-	-	-
24	1.0870e+02	1.277e-01	112.490	0.120	-	-	-	-	-	-
25	9.8984e+01	8.260e-02	101.340	0.092	-	-	-	-	-	-
26	9.1406e+01	1.043e-01	93.053	0.099	110.910	0.153	-	-	-	-
27	8.4970e+01	6.300e-02	86.009	0.051	94.406	0.081	-	-	-	-
28	7.9809e+01	5.310e-02	80.607	0.051	85.381	0.071	-	-	-	-
29	7.5424e+01	6.230e-02	76.050	0.051	78.993	0.060	-	-	-	-
30	7.1679e+01	5.880e-02	72.131	0.066	74.175	0.053	-	-	-	-
31	6.8475e+01	4.650e-02	68.843	0.047	70.272	0.048	83.480	0.087	-	-
32	6.5559e+01	4.830e-02	65.868	0.056	66.973	0.059	73.723	0.058	-	-
33	6.3194e+01	2.710e-02	63.446	0.040	64.272	0.042	68.293	0.058	-	-
34	6.0995e+01	4.030e-02	61.232	0.048	61.831	0.047	64.477	0.043	-	-
35	5.9086e+01	3.270e-02	59.288	0.038	59.759	0.039	61.643	0.032	-	-
36	5.7422e+01	3.710e-02	57.577	0.036	57.948	0.037	59.239	0.028	-	-
37	5.5852e+01	3.920e-02	56.004	0.042	56.289	0.038	57.277	0.039	-	-
38	5.4435e+01	2.980e-02	54.561	0.031	54.795	0.030	55.585	0.035	-	-
39	5.3177e+01	4.270e-02	53.283	0.039	53.504	0.036	54.102	0.032	-	-
40	5.2011e+01	3.330e-02	52.101	0.033	52.266	0.031	52.764	0.030	-	-
41	5.0882e+01	4.060e-02	50.968	0.037	51.128	0.037	51.528	0.036	62.281	0.055
42	4.9893e+01	3.490e-02	49.958	0.032	50.106	0.029	50.436	0.027	56.568	0.048
43	4.9015e+01	3.330e-02	49.081	0.035	49.209	0.034	49.483	0.032	53.566	0.029
44	4.8212e+01	3.120e-02	48.254	0.028	48.364	0.032	48.596	0.029	51.475	0.028
45	4.7407e+01	2.880e-02	47.443	0.029	47.534	0.029	47.741	0.026	49.917	0.024
46	4.6710e+01	3.300e-02	46.746	0.032	46.832	0.033	47.014	0.032	48.689	0.021
47	4.6014e+01	3.250e-02	46.044	0.032	46.116	0.031	46.270	0.031	47.611	0.026
48	4.5369e+01	3.440e-02	45.420	0.029	45.473	0.027	45.623	0.027	46.680	0.027
49	4.4795e+01	2.970e-02	44.822	0.024	44.875	0.024	44.985	0.024	45.843	0.023
50	4.4246e+01	2.290e-02	44.276	0.023	44.327	0.024	44.440	0.024	45.156	0.022
55	4.1982e+01	2.390e-02	42.014	0.025	42.051	0.021	42.104	0.021	42.424	0.021
60	4.0232e+01	3.010e-02	40.250	0.031	40.270	0.031	40.307	0.030	40.484	0.026
65	3.8825e+01	2.430e-02	38.855	0.026	38.856	0.024	38.885	0.023	38.989	0.021
70	3.7717e+01	2.410e-02	37.725	0.021	37.734	0.022	37.761	0.019	37.817	0.020
75	3.6795e+01	2.400e-02	36.814	0.022	36.817	0.023	36.817	0.022	36.876	0.023
80	3.6008e+01	2.560e-02	36.014	0.026	36.022	0.025	36.024	0.025	36.072	0.022
85	3.5377e+01	2.570e-02	35.381	0.023	35.388	0.023	35.400	0.022	35.419	0.023
90	3.4840e+01	1.870e-02	34.840	0.018	34.840	0.018	34.847	0.016	34.863	0.016
95	3.4292e+01	2.630e-02	34.302	0.024	34.299	0.023	34.300	0.022	34.311	0.022
100	3.3862e+01	2.440e-02	33.855	0.023	33.858	0.024	33.861	0.021	33.880	0.022
125	3.2327e+01	3.320e-02	32.328	0.032	32.323	0.031	32.330	0.030	32.325	0.029
150	3.1388e+01	3.360e-02	31.385	0.032	31.382	0.030	31.381	0.029	31.389	0.031
175	3.0733e+01	2.970e-02	30.734	0.030	30.735	0.027	30.739	0.028	30.736	0.029
200	3.0285e+01	3.800e-02	30.275	0.034	30.243	0.031	30.240	0.025	30.244	0.029
225	2.9926e+01	3.740e-02	29.939	0.040	29.939	0.041	29.946	0.042	29.927	0.039
250	2.9654e+01	5.660e-02	29.629	0.053	29.626	0.050	29.627	0.048	29.638	0.046
275	2.9144e+01	1.769e-01	29.133	0.144	29.047	0.186	29.247	0.182	29.121	0.139
300	2.8766e+01	2.050e-01	29.191	0.250	29.235	0.201	29.114	0.174	29.147	0.142
325	2.9224e+01	2.521e-01	29.103	0.316	29.168	0.250	29.195	0.332	29.149	0.277
350	2.9922e+01	3.940e-01	29.336	0.297	29.516	0.285	29.591	0.253	29.166	0.229
375	2.9415e+01	3.033e-01	29.489	0.200	29.322	0.336	29.319	0.368	29.350	0.304
400	2.9784e+01	5.072e-01	29.996	0.526	29.881	0.563	29.684	0.560	29.643	0.512
425	2.8764e+01	4.217e-01	29.262	0.371	30.197	0.672	30.084	0.558	29.563	0.368
450	3.0425e+01	6.584e-01	29.837	0.498	29.864	0.491	29.558	0.550	28.577	0.282
475	3.1473e+01	6.483e-01	30.534	0.651	29.624	0.425	29.407	0.342	30.100	0.986
500	2.9741e+01	5.960e-01	30.480	0.548	29.891	0.470	30.549	0.569	30.296	0.352

n	Control Limits $h_{n,\alpha=0.001,p=10}$									
	11	$se_{11,0.005}$	20	$se_{20,0.005}$	25	$se_{25,0.005}$	30	$se_{30,0.005}$	40	$se_{40,0.005}$
12	2.8800e+08	5.580e+06	-	-	-	-	-	-	-	-
13	1.2900e+05	1.020e+03	-	-	-	-	-	-	-	-
14	9.2613e+03	5.110e+01	-	-	-	-	-	-	-	-
15	2.4188e+03	1.105e+01	-	-	-	-	-	-	-	-
16	1.0663e+03	3.497e+00	-	-	-	-	-	-	-	-
17	6.1171e+02	1.555e+00	-	-	-	-	-	-	-	-
18	4.0680e+02	1.011e+00	-	-	-	-	-	-	-	-
19	3.0045e+02	7.369e-01	-	-	-	-	-	-	-	-
20	2.3676e+02	4.302e-01	-	-	-	-	-	-	-	-
21	1.9393e+02	3.587e-01	226.720	0.453	-	-	-	-	-	-
22	1.6528e+02	2.247e-01	177.130	0.236	-	-	-	-	-	-
23	1.4426e+02	2.282e-01	150.470	0.250	-	-	-	-	-	-
24	1.2852e+02	2.105e-01	131.930	0.217	-	-	-	-	-	-
25	1.1630e+02	1.512e-01	118.430	0.156	-	-	-	-	-	-
26	1.0681e+02	1.542e-01	108.130	0.157	126.410	0.256	-	-	-	-
27	9.8961e+01	1.068e-01	99.903	0.105	107.940	0.151	-	-	-	-
28	9.2548e+01	8.330e-02	93.210	0.090	97.729	0.118	-	-	-	-
29	8.7006e+01	8.950e-02	87.532	0.076	90.339	0.106	-	-	-	-
30	8.2309e+01	7.570e-02	82.666	0.076	84.559	0.077	-	-	-	-
31	7.8433e+01	8.360e-02	78.748	0.078	80.019	0.084	93.441	0.139	-	-
32	7.5157e+01	6.780e-02	75.429	0.064	76.284	0.074	82.771	0.102	-	-
33	7.2247e+01	7.900e-02	72.426	0.073	73.088	0.079	76.888	0.077	-	-
34	6.9540e+01	6.320e-02	69.719	0.063	70.220	0.064	72.663	0.061	-	-
35	6.7187e+01	5.130e-02	67.313	0.054	67.687	0.051	69.370	0.057	-	-
36	6.5146e+01	6.730e-02	65.275	0.064	65.583	0.061	66.747	0.070	-	-
37	6.3172e+01	6.040e-02	63.317	0.064	63.574	0.066	64.451	0.068	-	-
38	6.1468e+01	5.960e-02	61.568	0.057	61.766	0.056	62.467	0.060	-	-
39	5.9971e+01	5.420e-02	60.057	0.053	60.233	0.051	60.740	0.052	-	-
40	5.8671e+01	5.980e-02	58.749	0.059	58.898	0.052	59.296	0.047	-	-
41	5.7321e+01	5.740e-02	57.396	0.057	57.532	0.054	57.889	0.051	68.343	0.070
42	5.6123e+01	5.350e-02	56.160	0.053	56.280	0.054	56.557	0.052	62.462	0.066
43	5.5061e+01	3.930e-02	55.086	0.040	55.207	0.039	55.434	0.040	59.219	0.047
44	5.4039e+01	3.800e-02	54.082	0.040	54.168	0.040	54.380	0.037	57.058	0.041
45	5.3079e+01	3.560e-02	53.112	0.039	53.201	0.037	53.384	0.037	55.360	0.036
46	5.2253e+01	4.540e-02	52.297	0.046	52.362	0.043	52.512	0.046	54.002	0.043
47	5.1432e+01	3.830e-02	51.465	0.036	51.538	0.036	51.671	0.038	52.807	0.036
48	5.0736e+01	3.960e-02	50.769	0.038	50.826	0.037	50.940	0.038	51.903	0.035
49	5.0059e+01	3.600e-02	50.082	0.036	50.130	0.036	50.222	0.037	50.989	0.029
50	4.9360e+01	3.790e-02	49.380	0.038	49.423	0.037	49.506	0.033	50.156	0.030
55	4.6652e+01	3.260e-02	46.669	0.032	46.678	0.029	46.727	0.029	47.012	0.030
60	4.4634e+01	2.930e-02	44.638	0.028	44.658	0.026	44.683	0.026	44.848	0.030
65	4.3008e+01	3.570e-02	43.011	0.036	43.019	0.035	43.044	0.035	43.125	0.033
70	4.1682e+01	2.900e-02	41.682	0.029	41.690	0.028	41.709	0.027	41.786	0.026
75	4.0612e+01	3.170e-02	40.624	0.033	40.631	0.031	40.636	0.030	40.696	0.030
80	3.9701e+01	3.140e-02	39.711	0.033	39.715	0.031	39.717	0.032	39.753	0.029
85	3.8915e+01	2.860e-02	38.923	0.028	38.926	0.027	38.938	0.025	38.959	0.025
90	3.8274e+01	3.040e-02	38.290	0.030	38.290	0.029	38.292	0.029	38.314	0.029
95	3.7697e+01	3.580e-02	37.703	0.034	37.704	0.035	37.706	0.035	37.706	0.036
100	3.7188e+01	3.220e-02	37.194	0.034	37.204	0.033	37.208	0.033	37.215	0.035
125	3.5423e+01	2.960e-02	35.419	0.030	35.415	0.028	35.418	0.028	35.428	0.028
150	3.4277e+01	2.680e-02	34.267	0.023	34.255	0.022	34.252	0.021	34.262	0.021
175	3.3533e+01	3.040e-02	33.540	0.030	33.538	0.030	33.546	0.029	33.540	0.027
200	3.3030e+01	3.850e-02	33.046	0.033	33.036	0.033	33.041	0.030	33.045	0.029
225	3.2611e+01	3.700e-02	32.615	0.039	32.614	0.039	32.607	0.037	32.601	0.036
250	3.2239e+01	3.890e-02	32.244	0.039	32.235	0.037	32.228	0.035	32.232	0.034
275	3.2058e+01	2.143e-01	32.026	0.137	32.059	0.120	32.024	0.126	31.946	0.146
300	3.1689e+01	1.027e-01	31.724	0.107	31.733	0.103	31.764	0.115	31.731	0.110
325	3.1523e+01	1.449e-01	31.549	0.143	31.586	0.144	31.666	0.193	31.643	0.161
350	3.1847e+01	1.784e-01	31.663	0.194	31.712	0.180	31.803	0.140	31.757	0.135
375	3.1596e+01	1.918e-01	31.332	0.165	31.260	0.118	31.337	0.146	31.365	0.153
400	3.1657e+01	2.641e-01	31.681	0.258	31.473	0.300	31.548	0.291	31.393	0.256
425	3.1753e+01	3.164e-01	31.693	0.343	31.651	0.337	31.576	0.323	31.616	0.321
450	3.1230e+01	2.256e-01	31.126	0.200	31.176	0.199	31.357	0.207	31.322	0.264
475	3.1258e+01	3.000e-01	31.405	0.354	31.344	0.271	31.413	0.445	31.337	0.547
500	3.1234e+01	2.864e-01	31.161	0.293	30.952	0.307	31.082	0.313	30.974	0.274

n	Control Limits $h_{n,\alpha=0.001,p=10}$									
	11	$se_{11,0.002}$	20	$se_{20,0.002}$	25	$se_{25,0.002}$	30	$se_{30,0.002}$	40	$se_{40,0.002}$
12	1.9100e+09	8.440e+07	-	-	-	-	-	-	-	-
13	3.2900e+05	5.192e+03	-	-	-	-	-	-	-	-
14	1.7320e+04	1.576e+02	-	-	-	-	-	-	-	-
15	3.8980e+03	3.077e+01	-	-	-	-	-	-	-	-
16	1.5902e+03	7.543e+00	-	-	-	-	-	-	-	-
17	8.6580e+02	3.239e+00	-	-	-	-	-	-	-	-
18	5.5343e+02	2.063e+00	-	-	-	-	-	-	-	-
19	3.9624e+02	1.403e+00	-	-	-	-	-	-	-	-
20	3.0725e+02	9.562e-01	-	-	-	-	-	-	-	-
21	2.4693e+02	5.273e-01	281.810	1.079	-	-	-	-	-	-
22	2.0682e+02	5.190e-01	218.870	0.566	-	-	-	-	-	-
23	1.7916e+02	3.896e-01	184.530	0.408	-	-	-	-	-	-
24	1.5788e+02	3.341e-01	160.700	0.359	-	-	-	-	-	-
25	1.4162e+02	3.712e-01	143.410	0.402	-	-	-	-	-	-
26	1.2921e+02	3.011e-01	130.280	0.310	148.720	0.441	-	-	-	-
27	1.1926e+02	2.437e-01	119.870	0.254	127.550	0.266	-	-	-	-
28	1.1053e+02	1.786e-01	110.980	0.188	115.260	0.215	-	-	-	-
29	1.0399e+02	2.065e-01	104.330	0.201	106.870	0.223	-	-	-	-
30	9.7766e+01	1.790e-01	98.038	0.188	99.684	0.209	-	-	-	-
31	9.2659e+01	1.403e-01	92.903	0.135	93.945	0.137	107.140	0.229	-	-
32	8.8345e+01	1.548e-01	88.544	0.147	89.323	0.158	95.589	0.156	-	-
33	8.4535e+01	1.015e-01	84.657	0.099	85.243	0.106	88.803	0.123	-	-
34	8.1160e+01	1.178e-01	81.303	0.110	81.730	0.116	84.000	0.111	-	-
35	7.8146e+01	1.103e-01	78.266	0.113	78.579	0.110	80.114	0.104	-	-
36	7.5695e+01	9.810e-02	75.797	0.095	76.002	0.093	77.035	0.101	-	-
37	7.3484e+01	1.068e-01	73.591	0.103	73.766	0.099	74.563	0.091	-	-
38	7.1121e+01	8.730e-02	71.198	0.089	71.381	0.089	71.985	0.090	-	-
39	6.9215e+01	7.890e-02	69.290	0.080	69.418	0.081	69.875	0.083	-	-
40	6.7684e+01	9.430e-02	67.737	0.086	67.857	0.092	68.231	0.089	-	-
41	6.6007e+01	6.790e-02	66.039	0.063	66.142	0.068	66.452	0.058	76.597	0.122
42	6.4554e+01	9.600e-02	64.595	0.094	64.689	0.095	64.962	0.089	70.367	0.111
43	6.3195e+01	6.980e-02	63.244	0.070	63.319	0.068	63.508	0.066	66.931	0.069
44	6.1937e+01	7.070e-02	61.944	0.072	62.003	0.072	62.177	0.069	64.680	0.059
45	6.0770e+01	5.180e-02	60.787	0.051	60.859	0.055	60.994	0.058	62.743	0.051
46	5.9751e+01	6.730e-02	59.767	0.068	59.823	0.065	59.944	0.064	61.237	0.066
47	5.8770e+01	6.820e-02	58.785	0.068	58.823	0.066	58.936	0.068	59.932	0.057
48	5.7978e+01	5.920e-02	57.978	0.057	58.012	0.057	58.099	0.056	58.873	0.059
49	5.7155e+01	5.890e-02	57.184	0.062	57.205	0.060	57.271	0.061	57.937	0.062
50	5.6256e+01	5.760e-02	56.267	0.056	56.289	0.058	56.380	0.056	56.930	0.049
55	5.2971e+01	4.360e-02	52.991	0.046	52.999	0.044	53.029	0.044	53.248	0.039
60	5.0394e+01	5.800e-02	50.404	0.057	50.405	0.054	50.432	0.053	50.553	0.048
65	4.8430e+01	5.920e-02	48.457	0.058	48.452	0.058	48.472	0.058	48.559	0.054
70	4.6903e+01	4.120e-02	46.902	0.042	46.920	0.041	46.922	0.041	46.991	0.040
75	4.5495e+01	5.130e-02	45.515	0.050	45.521	0.049	45.539	0.051	45.597	0.050
80	4.4439e+01	3.840e-02	44.450	0.039	44.453	0.038	44.455	0.038	44.478	0.039
85	4.3623e+01	3.880e-02	43.620	0.038	43.614	0.038	43.619	0.037	43.636	0.035
90	4.2850e+01	3.970e-02	42.851	0.039	42.855	0.039	42.851	0.039	42.868	0.040
95	4.2091e+01	4.270e-02	42.088	0.042	42.091	0.042	42.092	0.040	42.099	0.038
100	4.1495e+01	3.740e-02	41.499	0.036	41.500	0.037	41.509	0.038	41.507	0.037
125	3.9431e+01	4.300e-02	39.425	0.042	39.424	0.041	39.427	0.040	39.437	0.040
150	3.8026e+01	3.280e-02	38.025	0.031	38.017	0.030	38.024	0.030	38.029	0.031
175	3.7151e+01	3.460e-02	37.152	0.034	37.153	0.036	37.153	0.033	37.157	0.032
200	3.6573e+01	3.290e-02	36.560	0.034	36.564	0.034	36.565	0.033	36.575	0.033
225	3.6037e+01	4.310e-02	36.043	0.041	36.045	0.042	36.043	0.043	36.025	0.039
250	3.5611e+01	3.700e-02	35.615	0.035	35.617	0.035	35.613	0.034	35.622	0.034
275	3.5451e+01	2.958e-01	35.406	0.278	35.445	0.269	35.454	0.257	35.489	0.251
300	3.5032e+01	1.621e-01	35.083	0.170	35.076	0.166	35.067	0.163	35.129	0.163
325	3.4981e+01	1.350e-01	34.951	0.148	34.996	0.148	35.026	0.141	34.995	0.137
350	3.4819e+01	2.573e-01	34.821	0.243	34.825	0.238	34.805	0.234	34.832	0.251
375	3.5024e+01	2.772e-01	34.974	0.276	35.001	0.286	35.017	0.275	35.049	0.247
400	3.4565e+01	1.480e-01	34.643	0.112	34.599	0.128	34.672	0.156	34.418	0.134
425	3.4900e+01	2.468e-01	34.773	0.235	34.701	0.253	34.786	0.241	34.791	0.221
450	3.4371e+01	1.945e-01	34.387	0.191	34.400	0.184	34.338	0.159	34.311	0.156
475	3.4294e+01	2.471e-01	34.301	0.244	34.299	0.254	34.429	0.247	34.392	0.251
500	3.4296e+01	1.930e-01	34.302	0.187	34.233	0.203	34.285	0.180	34.293	0.184

n	Control Limits $h_{n, \alpha=0.001, p=10}$									
	11	$se_{11,0.001}$	20	$se_{20,0.001}$	25	$se_{25,0.001}$	30	$se_{30,0.001}$	40	$se_{40,0.001}$
12	8.0200e+09	5.570e+08	-	-	-	-	-	-	-	-
13	6.7400e+05	1.160e+04	-	-	-	-	-	-	-	-
14	2.8035e+04	4.619e+02	-	-	-	-	-	-	-	-
15	5.5432e+03	5.775e+01	-	-	-	-	-	-	-	-
16	2.1292e+03	1.983e+01	-	-	-	-	-	-	-	-
17	1.1237e+03	5.465e+00	-	-	-	-	-	-	-	-
18	6.9406e+02	4.192e+00	-	-	-	-	-	-	-	-
19	4.8427e+02	2.670e+00	-	-	-	-	-	-	-	-
20	3.6868e+02	1.511e+00	-	-	-	-	-	-	-	-
21	2.9432e+02	1.180e+00	329.700	1.672	-	-	-	-	-	-
22	2.4361e+02	6.949e-01	254.050	0.832	-	-	-	-	-	-
23	2.0898e+02	6.156e-01	213.750	0.675	-	-	-	-	-	-
24	1.8242e+02	4.754e-01	184.780	0.619	-	-	-	-	-	-
25	1.6324e+02	3.947e-01	164.620	0.371	-	-	-	-	-	-
26	1.4789e+02	4.278e-01	148.740	0.426	167.440	0.620	-	-	-	-
27	1.3592e+02	3.089e-01	136.380	0.312	143.790	0.428	-	-	-	-
28	1.2572e+02	2.490e-01	126.090	0.248	129.780	0.334	-	-	-	-
29	1.1752e+02	2.866e-01	117.840	0.281	120.070	0.314	-	-	-	-
30	1.0990e+02	2.993e-01	110.140	0.288	111.570	0.279	-	-	-	-
31	1.0403e+02	1.932e-01	104.170	0.189	105.130	0.172	118.820	0.359	-	-
32	9.9045e+01	2.043e-01	99.168	0.205	99.857	0.201	105.830	0.238	-	-
33	9.4395e+01	1.565e-01	94.520	0.156	94.944	0.149	98.151	0.169	-	-
34	9.0593e+01	1.191e-01	90.694	0.117	91.034	0.124	92.930	0.133	-	-
35	8.6984e+01	1.712e-01	87.053	0.173	87.404	0.179	88.758	0.160	-	-
36	8.4011e+01	1.541e-01	84.111	0.153	84.277	0.149	85.200	0.142	-	-
37	8.1320e+01	1.687e-01	81.385	0.171	81.556	0.165	82.337	0.161	-	-
38	7.8733e+01	1.468e-01	78.775	0.150	78.884	0.143	79.433	0.138	-	-
39	7.6574e+01	1.474e-01	76.572	0.145	76.706	0.149	77.126	0.143	-	-
40	7.4625e+01	1.044e-01	74.644	0.106	74.712	0.102	75.054	0.091	-	-
41	7.2567e+01	1.021e-01	72.588	0.101	72.664	0.103	72.880	0.101	83.350	0.202
42	7.0998e+01	1.374e-01	71.029	0.131	71.119	0.130	71.317	0.125	76.596	0.152
43	6.9437e+01	1.144e-01	69.457	0.114	69.518	0.107	69.714	0.102	73.029	0.131
44	6.8287e+01	9.820e-02	68.298	0.096	68.339	0.097	68.465	0.092	70.548	0.096
45	6.6841e+01	1.001e-01	66.869	0.096	66.895	0.094	67.009	0.094	68.490	0.099
46	6.5656e+01	9.480e-02	65.673	0.095	65.694	0.094	65.810	0.091	67.021	0.092
47	6.4348e+01	9.760e-02	64.369	0.103	64.390	0.103	64.481	0.105	65.451	0.113
48	6.3444e+01	7.610e-02	63.444	0.074	63.479	0.075	63.551	0.078	64.302	0.074
49	6.2461e+01	1.015e-01	62.477	0.101	62.495	0.100	62.557	0.099	63.190	0.095
50	6.1582e+01	8.340e-02	61.577	0.084	61.609	0.081	61.641	0.080	62.153	0.076
55	5.7599e+01	6.660e-02	57.618	0.067	57.619	0.067	57.657	0.069	57.837	0.069
60	5.4857e+01	8.880e-02	54.844	0.086	54.857	0.085	54.871	0.086	54.970	0.085
65	5.2673e+01	7.100e-02	52.676	0.070	52.675	0.069	52.697	0.069	52.745	0.070
70	5.0763e+01	7.990e-02	50.750	0.078	50.775	0.080	50.788	0.079	50.859	0.079
75	4.9347e+01	5.930e-02	49.347	0.059	49.350	0.058	49.363	0.057	49.397	0.055
80	4.8153e+01	5.300e-02	48.148	0.052	48.156	0.054	48.156	0.052	48.180	0.050
85	4.7008e+01	6.490e-02	47.013	0.066	47.009	0.063	47.014	0.063	47.041	0.062
90	4.6096e+01	4.340e-02	46.102	0.043	46.097	0.043	46.105	0.043	46.131	0.045
95	4.5332e+01	5.050e-02	45.332	0.051	45.329	0.051	45.327	0.050	45.346	0.049
100	4.4715e+01	4.970e-02	44.719	0.049	44.726	0.047	44.729	0.047	44.750	0.048
125	4.2305e+01	5.720e-02	42.292	0.056	42.315	0.058	42.299	0.054	42.294	0.052
150	4.0782e+01	4.560e-02	40.768	0.047	40.779	0.046	40.778	0.047	40.779	0.048
175	3.9802e+01	4.440e-02	39.807	0.044	39.807	0.043	39.806	0.043	39.803	0.041
200	3.9072e+01	4.160e-02	39.076	0.042	39.064	0.042	39.074	0.042	39.075	0.041
225	3.8556e+01	5.000e-02	38.568	0.048	38.560	0.049	38.555	0.049	38.567	0.047
250	3.8109e+01	6.290e-02	38.124	0.061	38.113	0.061	38.126	0.063	38.137	0.065
275	3.8104e+01	1.938e-01	38.139	0.202	38.132	0.202	38.052	0.201	37.999	0.183
300	3.8051e+01	1.407e-01	37.974	0.126	37.950	0.124	37.913	0.123	37.890	0.123
325	3.7626e+01	1.279e-01	37.639	0.117	37.730	0.143	37.762	0.142	37.729	0.133
350	3.7093e+01	2.236e-01	37.087	0.220	37.204	0.261	37.249	0.250	37.135	0.211
375	3.7092e+01	2.465e-01	37.126	0.258	37.129	0.259	37.135	0.252	37.176	0.230
400	3.6932e+01	2.625e-01	36.907	0.250	36.919	0.243	36.910	0.242	36.910	0.236
425	3.7087e+01	2.653e-01	37.104	0.260	37.093	0.258	37.082	0.257	37.072	0.260
450	3.6584e+01	1.729e-01	36.573	0.174	36.571	0.172	36.565	0.177	36.565	0.173
475	3.6846e+01	2.390e-01	36.816	0.236	36.800	0.234	36.807	0.232	36.859	0.284
500	3.6475e+01	1.988e-01	36.533	0.206	36.531	0.205	36.493	0.202	36.482	0.188



n	Control Limits $h_{n,\alpha=0.0005,p=10}$									
	11	$se_{11,0.0005}$	20	$se_{20,0.0005}$	25	$se_{25,0.0005}$	30	$se_{30,0.0005}$	40	$se_{40,0.0005}$
12	4.2500e+10	1.580e+10	-	-	-	-	-	-	-	-
13	1.3500e+06	3.280e+04	-	-	-	-	-	-	-	-
14	4.5114e+04	1.408e+03	-	-	-	-	-	-	-	-
15	7.9644e+03	1.095e+02	-	-	-	-	-	-	-	-
16	2.8644e+03	3.601e+01	-	-	-	-	-	-	-	-
17	1.4400e+03	1.427e+01	-	-	-	-	-	-	-	-
18	8.7063e+02	8.487e+00	-	-	-	-	-	-	-	-
19	5.8789e+02	5.884e+00	-	-	-	-	-	-	-	-
20	4.3893e+02	2.119e+00	-	-	-	-	-	-	-	-
21	3.4711e+02	1.825e+00	382.210	2.653	-	-	-	-	-	-
22	2.8506e+02	1.397e+00	296.150	1.561	-	-	-	-	-	-
23	2.4094e+02	9.242e-01	245.200	0.993	-	-	-	-	-	-
24	2.0981e+02	9.927e-01	212.130	0.919	-	-	-	-	-	-
25	1.8662e+02	8.482e-01	187.970	0.860	-	-	-	-	-	-
26	1.6879e+02	7.000e-01	169.690	0.755	187.170	0.874	-	-	-	-
27	1.5323e+02	5.501e-01	153.690	0.517	160.740	0.534	-	-	-	-
28	1.4102e+02	3.647e-01	141.550	0.388	145.450	0.431	-	-	-	-
29	1.3163e+02	4.167e-01	131.880	0.422	133.950	0.405	-	-	-	-
30	1.2335e+02	3.365e-01	123.460	0.338	124.790	0.302	-	-	-	-
31	1.1662e+02	3.680e-01	116.710	0.372	117.650	0.367	130.590	0.578	-	-
32	1.1009e+02	2.635e-01	110.160	0.263	110.770	0.239	116.440	0.312	-	-
33	1.0510e+02	3.159e-01	105.190	0.329	105.630	0.310	108.660	0.287	-	-
34	1.0043e+02	2.740e-01	100.500	0.291	100.860	0.295	102.700	0.296	-	-
35	9.6109e+01	2.375e-01	96.196	0.266	96.510	0.258	97.696	0.246	-	-
36	9.2727e+01	2.002e-01	92.809	0.200	92.971	0.198	93.912	0.200	-	-
37	8.9714e+01	2.357e-01	89.838	0.247	89.960	0.249	90.595	0.247	-	-
38	8.6567e+01	2.703e-01	86.634	0.277	86.716	0.281	87.202	0.272	-	-
39	8.3972e+01	2.548e-01	84.048	0.254	84.187	0.250	84.573	0.228	-	-
40	8.1817e+01	2.110e-01	81.846	0.214	81.941	0.207	82.170	0.203	-	-
41	7.9508e+01	1.806e-01	79.554	0.186	79.625	0.183	79.848	0.177	90.334	0.346
42	7.7554e+01	1.588e-01	77.581	0.154	77.630	0.154	77.857	0.143	83.282	0.159
43	7.5814e+01	1.739e-01	75.832	0.173	75.890	0.172	76.039	0.168	79.511	0.203
44	7.4186e+01	1.269e-01	74.191	0.124	74.243	0.122	74.389	0.113	76.619	0.148
45	7.2850e+01	1.627e-01	72.872	0.163	72.904	0.163	73.025	0.165	74.447	0.172
46	7.1332e+01	1.753e-01	71.332	0.174	71.362	0.173	71.452	0.171	72.547	0.153
47	7.0147e+01	1.471e-01	70.171	0.144	70.193	0.146	70.263	0.143	71.220	0.118
48	6.9148e+01	1.350e-01	69.181	0.134	69.208	0.135	69.242	0.135	70.022	0.135
50	6.7011e+01	1.337e-01	67.040	0.134	67.057	0.135	67.113	0.128	67.536	0.138
55	6.2407e+01	9.010e-02	62.397	0.090	62.394	0.089	62.434	0.089	62.661	0.080
60	5.9229e+01	1.060e-01	59.209	0.103	59.211	0.103	59.246	0.107	59.348	0.110
65	5.6840e+01	1.005e-01	56.849	0.101	56.820	0.101	56.837	0.101	56.906	0.106
70	5.4811e+01	9.920e-02	54.809	0.100	54.823	0.100	54.796	0.102	54.833	0.100
75	5.3158e+01	7.100e-02	53.175	0.069	53.211	0.070	53.211	0.070	53.222	0.069
80	5.1758e+01	7.940e-02	51.759	0.079	51.760	0.077	51.763	0.077	51.744	0.076
85	5.0570e+01	8.300e-02	50.565	0.083	50.566	0.083	50.578	0.084	50.598	0.088
90	4.9427e+01	6.640e-02	49.425	0.066	49.426	0.066	49.440	0.065	49.456	0.067
95	4.8632e+01	9.690e-02	48.641	0.097	48.641	0.097	48.649	0.097	48.672	0.098
100	4.7930e+01	9.860e-02	47.901	0.100	47.918	0.098	47.930	0.097	47.943	0.096
125	4.5132e+01	6.260e-02	45.140	0.062	45.139	0.062	45.144	0.061	45.125	0.063
150	4.3533e+01	5.740e-02	43.520	0.059	43.488	0.062	43.497	0.060	43.501	0.062
175	4.2417e+01	5.540e-02	42.428	0.056	42.436	0.057	42.439	0.056	42.441	0.059
200	4.1596e+01	6.200e-02	41.601	0.062	41.589	0.061	41.559	0.061	41.564	0.060
225	4.0986e+01	4.920e-02	40.981	0.049	40.981	0.049	40.980	0.050	40.987	0.050
250	4.0535e+01	5.360e-02	40.544	0.054	40.550	0.055	40.551	0.055	40.539	0.055
275	4.0545e+01	3.148e-01	40.535	0.314	40.543	0.309	40.574	0.298	40.650	0.339
300	4.0095e+01	2.464e-01	40.120	0.253	40.115	0.252	40.198	0.288	40.188	0.287
325	4.0128e+01	2.141e-01	40.120	0.214	40.197	0.251	40.192	0.251	40.185	0.251
350	3.9742e+01	3.259e-01	39.736	0.325	39.733	0.325	39.730	0.325	39.724	0.324
375	3.9501e+01	3.290e-01	39.502	0.326	39.497	0.324	39.491	0.323	39.480	0.320
400	3.9142e+01	2.253e-01	39.135	0.226	39.131	0.226	39.159	0.237	39.152	0.238
425	3.9735e+01	1.933e-01	39.725	0.193	39.720	0.192	39.714	0.192	39.703	0.191
450	3.8925e+01	2.851e-01	39.174	0.366	39.173	0.365	39.168	0.365	39.159	0.364
475	3.9119e+01	3.345e-01	39.109	0.332	39.104	0.331	39.099	0.329	39.088	0.327
500	3.8803e+01	2.151e-01	38.839	0.198	38.835	0.197	38.832	0.197	38.825	0.197