Supplementary Materials

Reliability Analysis and Applications of Generalized Type-II Progressively Hybrid Maxwell–Boltzmann Censored Data

Ahmed Elshahhat[1]*, Osama E. Abo-Kasem[2] and Heba S. Mohammed[3]

[1]Faculty of Technology and Development, Zagazig University, Zagazig 44519, Egypt

[2]Department of Statistics, Faculty of Commerce, Zagazig University, Zagazig 44519, Egypt

[3]Department of Mathematical Sciences, College of Science, Princess Nourah bint Abdulrahman University,

P.O. Box 84428, Riyadh 11671, Saudi Arabia

---

*Email: aelshahhat@dtd.zu.edu.eg

Table S1: The Av.Es (1st column), RMSEs (2nd column) and MRABs (3rd column) of σ when $\sigma = 0.8$.

(T_1,T_2)	(n,m)	Scheme	MLE			MCMC					
Prior $\rightarrow$						P1			P2		
(0.5,1)	(40,20)	S1	0.8491	0.2343	0.2166	0.9588	0.1852	0.2126	0.9079	0.1222	0.1390
		S2	0.9774	0.2028	0.2336	0.8232	0.1791	0.1759	0.9119	0.1294	0.1451
		S3	0.9995	0.2254	0.2601	0.8135	0.1571	0.1596	0.9297	0.1489	0.1671
		S4	0.9811	0.2053	0.2346	0.8261	0.1755	0.1733	0.8834	0.0947	0.1078
	(40,32)	S1	0.8300	0.1725	0.1634	0.9138	0.1376	0.1592	0.8937	0.1079	0.1220
		S2	0.9786	0.1878	0.2033	0.8201	0.1515	0.1474	0.8986	0.1174	0.1294
		S3	0.9411	0.1657	0.1919	0.8252	0.1553	0.1503	0.9227	0.1375	0.1392
		S4	0.8251	0.1643	0.1571	0.9273	0.1500	0.1689	0.8732	0.0841	0.0952
	(80,40)	S1	0.8198	0.1383	0.1447	0.8237	0.1211	0.1309	0.8733	0.0757	0.0916
		S2	0.8458	0.1205	0.1312	0.8086	0.1169	0.1168	0.8830	0.0888	0.1038
		S3	0.8411	0.1243	0.1347	0.9205	0.1214	0.1506	0.8129	0.1142	0.1125
		S4	0.8093	0.1123	0.1308	0.8179	0.1087	0.1174	0.8751	0.0768	0.0938
	(80,64)	S1	0.8164	0.1239	0.1312	0.8515	0.1128	0.1233	0.8624	0.0659	0.0781
		S2	0.8740	0.1181	0.1277	0.8113	0.1025	0.1065	0.8852	0.0867	0.1013
		S3	0.8534	0.1215	0.1304	0.8149	0.1058	0.1110	0.8888	0.0935	0.1034
		S4	0.8143	0.1086	0.1121	0.8465	0.1025	0.1064	0.8564	0.0582	0.0705
(1.5,2)	(40,20)	S1	0.9758	0.1999	0.2301	0.8162	0.1629	0.1583	0.8964	0.1102	0.1247
		S2	1.0282	0.2499	0.2888	0.8115	0.1509	0.1481	0.9114	0.1287	0.1341
		S3	1.0029	0.2277	0.2630	0.8218	0.1641	0.1574	0.9225	0.1421	0.1459
		S4	0.9650	0.1865	0.2145	0.8091	0.1554	0.1508	0.9000	0.1079	0.1250
	(40,32)	S1	0.9199	0.1411	0.1634	0.8157	0.1311	0.1386	0.8947	0.1088	0.1204
		S2	0.9472	0.1674	0.1940	0.8124	0.1326	0.1306	0.9074	0.1251	0.1240
		S3	0.8271	0.1489	0.1744	0.9169	0.1411	0.1425	0.9172	0.1372	0.1316
		S4	0.8232	0.1470	0.1844	0.9115	0.1322	0.1530	0.8796	0.0906	0.1030
	(80,40)	S1	0.8317	0.1162	0.1258	0.8064	0.1100	0.1219	0.8907	0.0927	0.1134
		S2	0.8681	0.1159	0.1260	0.9117	0.1141	0.1169	0.8039	0.1030	0.1088
		S3	0.8295	0.1239	0.1351	0.9225	0.1154	0.1280	0.8088	0.1078	0.1056
		S4	0.8886	0.1257	0.1479	0.8043	0.0994	0.1023	0.8740	0.0756	0.0925
	(80,64)	S1	0.8403	0.1086	0.1171	0.8073	0.0886	0.1049	0.8711	0.0739	0.0889
		S2	0.8777	0.1190	0.1279	0.8061	0.0864	0.1016	0.8754	0.0802	0.0943
		S3	0.8398	0.1204	0.1297	0.8125	0.0983	0.0961	0.8703	0.0784	0.0879
		S4	0.8393	0.1036	0.1125	0.8108	0.0974	0.0958	0.8548	0.0567	0.0685

Table S2: The Av.Es (1st column), RMSEs (2nd column) and MRABs (3rd column) of σ when $\sigma = 1.5$.

(T_1,T_2)	(n,m)	Scheme		MLE			MCMC				
Prior $\rightarrow$							P1			P2	
(0.5,1)	(40,20)	S1	1.6581	0.6614	0.2842	1.6838	0.2200	0.1315	1.6040	0.1186	0.0719
		S2	1.5840	0.4621	0.2232	1.6847	0.2188	0.1316	1.6294	0.1476	0.0895
		S3	1.6114	0.4490	0.2119	1.6902	0.2254	0.1352	1.6440	0.1642	0.0996
		S4	1.5996	0.4589	0.2220	1.6886	0.2236	0.1341	1.5793	0.1091	0.0878
	(40,32)	S1	1.6135	0.5020	0.2242	1.6497	0.1834	0.1105	1.5803	0.0826	0.0535
		S2	1.5947	0.4040	0.1979	1.6446	0.1785	0.1077	1.5959	0.0986	0.0639
		S3	1.5959	0.4028	0.1972	1.5961	0.1353	0.1046	1.5895	0.1371	0.0866
		S4	1.5895	0.4214	0.2045	1.6637	0.1991	0.1196	1.5811	0.0925	0.0561
	(80,40)	S1	1.5672	0.3652	0.1805	1.5386	0.1358	0.0817	1.5721	0.0746	0.0481
		S2	1.5287	0.2954	0.1578	1.5311	0.1499	0.0905	1.5822	0.0858	0.0548
		S3	1.5429	0.2796	0.1523	1.5311	0.1299	0.0805	1.6096	0.1127	0.0731
		S4	1.5415	0.2848	0.1453	1.5231	0.1370	0.0871	1.5641	0.0658	0.0427
	(80,64)	S1	1.5705	0.3261	0.1613	1.5456	0.1234	0.0721	1.5356	0.0445	0.0257
		S2	1.5521	0.2668	0.1362	1.5538	0.1225	0.0723	1.5416	0.0530	0.0303
		S3	1.5523	0.2665	0.1361	1.5538	0.1225	0.0723	1.5366	0.0725	0.0415
		S4	1.5526	0.2702	0.1362	1.5526	0.1231	0.0725	1.5590	0.0608	0.0393
(1.5,2)	(40,20)	S1	1.5781	0.4000	0.2003	1.6876	0.2381	0.1495	1.6009	0.1544	0.0986
		S2	1.5393	0.3214	0.1689	1.6997	0.2342	0.1406	1.6233	0.1885	0.1085
		S3	1.4081	0.2865	0.1645	1.6959	0.2285	0.1380	1.6745	0.1921	0.1169
		S4	1.5336	0.3039	0.1570	1.6999	0.2333	0.1407	1.5800	0.1462	0.1026
	(40,32)	S1	1.5447	0.2966	0.1511	1.6843	0.2173	0.1311	1.6051	0.1199	0.0727
		S2	1.5401	0.2763	0.1449	1.6662	0.1980	0.1197	1.6289	0.1468	0.0891
		S3	1.5454	0.2621	0.1344	1.6623	0.1929	0.1169	1.6317	0.1514	0.0914
		S4	1.5432	0.2861	0.1485	1.6806	0.2133	0.1286	1.5811	0.0925	0.0561
	(80,40)	S1	1.5285	0.2406	0.1267	1.5216	0.1436	0.0908	1.5831	0.1085	0.0654
		S2	1.5151	0.2123	0.1126	1.5331	0.1402	0.0850	1.6069	0.1096	0.0713
		S3	1.5006	0.1814	0.0953	1.2662	0.1665	0.1056	1.6153	0.1183	0.0769
		S4	1.5126	0.2017	0.1058	1.5412	0.1530	0.0910	1.5681	0.0700	0.0484
	(80,64)	S1	1.5258	0.1991	0.1042	1.5502	0.1219	0.0717	1.5809	0.0831	0.0539
		S2	1.5195	0.1805	0.0947	1.5458	0.1211	0.0710	1.5902	0.0932	0.0601
		S3	1.5213	0.1727	0.0902	1.5357	0.1193	0.0694	1.5986	0.1021	0.0657
		S4	1.5247	0.1942	0.1015	1.5456	0.1214	0.0711	1.5626	0.0643	0.0417

Table S3: The Av.Es (1st column), RMSEs (2nd column) and MRABs (3rd column) of $R(t)$ when $\sigma = 0.8$.

(T_1,T_2)	(n,m)	Scheme	MLE			MCMC					
Prior $\rightarrow$						P1			P2		
(0.5,1)	(40,20)	S1	0.8891	0.0359	0.0354	0.9126	0.0259	0.0272	0.9070	0.0184	0.0190
		S2	0.8877	0.0316	0.0317	0.9148	0.0278	0.0292	0.9074	0.0192	0.0197
		S3	0.9172	0.0300	0.0266	0.8875	0.0283	0.0243	0.9096	0.0215	0.0221
		S4	0.8886	0.0305	0.0280	0.9153	0.0279	0.0291	0.9038	0.0148	0.0153
	(40,32)	S1	0.8898	0.0284	0.0252	0.8911	0.0240	0.0217	0.9051	0.0165	0.0170
		S2	0.9151	0.0277	0.0291	0.8892	0.0263	0.0233	0.9056	0.0177	0.0178
		S3	0.8900	0.0260	0.0252	0.9106	0.0238	0.0233	0.9087	0.0208	0.0212
		S4	0.8894	0.0275	0.0245	0.9091	0.0220	0.0232	0.9023	0.0133	0.0137
	(80,40)	S1	0.8900	0.0235	0.0211	0.9073	0.0205	0.0196	0.9026	0.0123	0.0134
		S2	0.8890	0.0211	0.0189	0.8955	0.0191	0.0181	0.9040	0.0138	0.0150
		S3	0.8900	0.0200	0.0194	0.9092	0.0188	0.0179	0.8970	0.0173	0.0174
		S4	0.8894	0.0201	0.0179	0.8908	0.0181	0.0174	0.9029	0.0124	0.0132
	(80,64)	S1	0.8907	0.0194	0.0194	0.8970	0.0170	0.0165	0.9010	0.0108	0.0115
		S2	0.8903	0.0179	0.0182	0.9011	0.0173	0.0161	0.9043	0.0131	0.0145
		S3	0.8908	0.0180	0.0178	0.8945	0.0162	0.0172	0.9048	0.0147	0.0158
		S4	0.8906	0.0187	0.0168	0.8966	0.0176	0.0151	0.9001	0.0097	0.0105
(1.5,2)	(40,20)	S1	0.8874	0.0299	0.0257	0.9147	0.0274	0.0288	0.9052	0.0186	0.0181
		S2	0.9205	0.0324	0.0341	0.8873	0.0285	0.0244	0.9068	0.0197	0.0195
		S3	0.9176	0.0303	0.0319	0.8885	0.0293	0.0251	0.9080	0.0221	0.0211
		S4	0.8866	0.0289	0.0248	0.9137	0.0260	0.0273	0.9063	0.0165	0.0175
	(40,32)	S1	0.8895	0.0234	0.0205	0.9082	0.0209	0.0221	0.9055	0.0168	0.0173
		S2	0.9117	0.0239	0.0253	0.8892	0.0228	0.0200	0.9074	0.0191	0.0191
		S3	0.8908	0.0248	0.0281	0.9077	0.0229	0.0221	0.9087	0.0207	0.0204
		S4	0.8901	0.0251	0.0225	0.9072	0.0198	0.0209	0.9032	0.0142	0.0147
	(80,40)	S1	0.8931	0.0216	0.0201	0.8889	0.0200	0.0177	0.9052	0.0147	0.0162
		S2	0.8888	0.0190	0.0187	0.9080	0.0186	0.0176	0.9001	0.0183	0.0172
		S3	0.8923	0.0227	0.0215	0.9095	0.0191	0.0201	0.8895	0.0193	0.0170
		S4	0.8889	0.0190	0.0197	0.9045	0.0153	0.0156	0.9027	0.0123	0.0135
	(80,64)	S1	0.8952	0.0186	0.0179	0.8901	0.0160	0.0142	0.9023	0.0120	0.0110
		S2	0.9017	0.0182	0.0180	0.8900	0.0156	0.0139	0.9029	0.0128	0.0117
		S3	0.8945	0.0209	0.0200	0.8907	0.0171	0.0152	0.9020	0.0125	0.0127
		S4	0.8952	0.0182	0.0174	0.8904	0.0172	0.0153	0.8998	0.0094	0.0103

Table S4: The Av.Es (1st column), RMSEs (2nd column) and MRABs (3rd column) of $R(t)$ when $\sigma = 1.5$.

(T_1,T_2)	(n,m)	Scheme	MLE			MCMC					
Prior $\rightarrow$						P1			P2		
(0.5,1)	(40,20)	S1	0.9520	0.0209	0.0168	0.9548	0.0105	0.0105	0.9551	0.0085	0.0083
		S2	0.9518	0.0175	0.0142	0.9545	0.0155	0.0105	0.9554	0.0078	0.0088
		S3	0.9537	0.0151	0.0126	0.9545	0.0125	0.0102	0.9551	0.0097	0.0057
		S4	0.9527	0.0164	0.0137	0.9541	0.0116	0.0099	0.9568	0.0094	0.0047
	(40,32)	S1	0.9531	0.0163	0.0135	0.9551	0.0093	0.0076	0.9577	0.0076	0.0053
		S2	0.9535	0.0150	0.0123	0.9555	0.0101	0.0076	0.9586	0.0076	0.0054
		S3	0.9536	0.0147	0.0122	0.9555	0.0109	0.0077	0.9591	0.0071	0.0060
		S4	0.9530	0.0155	0.0128	0.9554	0.0107	0.0077	0.9569	0.0093	0.0045
	(80,40)	S1	0.9529	0.0139	0.0115	0.9602	0.0079	0.0065	0.9569	0.0053	0.0034
		S2	0.9528	0.0119	0.0109	0.9603	0.0079	0.0064	0.9575	0.0059	0.0040
		S3	0.9536	0.0121	0.0104	0.9605	0.0081	0.0046	0.9580	0.0065	0.0046
		S4	0.9533	0.0137	0.0099	0.9604	0.0080	0.0070	0.9563	0.0070	0.0028
	(80,64)	S1	0.9538	0.0121	0.0101	0.9591	0.0068	0.0048	0.9566	0.0040	0.0021
		S2	0.9538	0.0103	0.0087	0.9590	0.0067	0.0047	0.9570	0.0035	0.0035
		S3	0.9539	0.0103	0.0087	0.9573	0.0051	0.0047	0.9570	0.0041	0.0045
		S4	0.9536	0.0112	0.0094	0.9596	0.0073	0.0048	0.9561	0.0025	0.0021
(1.5,2)	(40,20)	S1	0.9527	0.0154	0.0128	0.9604	0.0128	0.0108	0.9576	0.0045	0.0043
		S2	0.9521	0.0141	0.0115	0.9608	0.0108	0.0100	0.9584	0.0054	0.0052
		S3	0.9588	0.0137	0.0106	0.9607	0.0103	0.0089	0.9601	0.0071	0.0068
		S4	0.9522	0.0134	0.0107	0.9608	0.0098	0.0098	0.9568	0.0036	0.0035
	(40,32)	S1	0.9530	0.0120	0.0100	0.9603	0.0099	0.0103	0.9578	0.0047	0.0045
		S2	0.9530	0.0116	0.0096	0.9597	0.0087	0.0100	0.9586	0.0056	0.0054
		S3	0.9535	0.0107	0.0088	0.9596	0.0082	0.0079	0.9587	0.0058	0.0055
		S4	0.9530	0.0119	0.0098	0.9602	0.0093	0.0090	0.9569	0.0037	0.0035
	(80,40)	S1	0.9531	0.0101	0.0085	0.9540	0.0079	0.0076	0.9570	0.0035	0.0035
		S2	0.9528	0.0092	0.0077	0.9546	0.0073	0.0070	0.9579	0.0044	0.0045
		S3	0.9525	0.0083	0.0067	0.9403	0.0071	0.0069	0.9582	0.0047	0.0048
		S4	0.9529	0.0088	0.0072	0.9549	0.0077	0.0074	0.9564	0.0039	0.0029
	(80,64)	S1	0.9535	0.0083	0.0069	0.9553	0.0057	0.0049	0.9569	0.0034	0.0034
		S2	0.9534	0.0077	0.0064	0.9551	0.0053	0.0047	0.9573	0.0037	0.0038
		S3	0.9536	0.0073	0.0060	0.9547	0.0059	0.0081	0.9576	0.0041	0.0041
		S4	0.9535	0.0081	0.0068	0.9551	0.0053	0.0047	0.9562	0.0026	0.0027

Table S5: The Av.Es (1st column), RMSEs (2nd column) and MRABs (3rd column) of $h(t)$ when $\sigma = 0.8$.

(T_1,T_2)	(n,m)	Scheme	MLE			MCMC					
Prior $\rightarrow$						P1			P2		
(0.5,1)	(40,20)	S1	0.6600	0.2197	0.2693	0.5158	0.1555	0.2247	0.5493	0.1108	0.1578
		S2	0.6680	0.1939	0.2408	0.5028	0.1667	0.2319	0.5469	0.1157	0.1629
		S3	0.4886	0.1803	0.2616	0.6687	0.1738	0.2032	0.5338	0.1296	0.1829
		S4	0.6624	0.1870	0.2405	0.4996	0.1675	0.2227	0.5687	0.0892	0.1269
	(40,32)	S1	0.6544	0.1733	0.2108	0.6462	0.1469	0.1815	0.5607	0.0996	0.1411
		S2	0.5010	0.1661	0.2348	0.6192	0.1385	0.1784	0.5579	0.1063	0.1473
		S3	0.6535	0.1584	0.2086	0.6100	0.1314	0.1757	0.5392	0.1249	0.1615
		S4	0.6568	0.1678	0.2049	0.6477	0.1303	0.1625	0.5774	0.0804	0.1237
	(80,40)	S1	0.6530	0.1428	0.1797	0.5478	0.1235	0.1512	0.5756	0.0740	0.1112
		S2	0.6583	0.1605	0.1950	0.6589	0.1283	0.1578	0.5654	0.0850	0.1270
		S3	0.5277	0.1431	0.1947	0.6527	0.1215	0.1494	0.5361	0.1134	0.1322
		S4	0.5372	0.1321	0.1917	0.6564	0.1224	0.1492	0.5739	0.0751	0.1139
	(80,64)	S1	0.6483	0.1180	0.1456	0.6098	0.1137	0.1382	0.5856	0.0650	0.0958
		S2	0.5854	0.1105	0.1510	0.6508	0.1090	0.1344	0.5673	0.0832	0.1241
		S3	0.6255	0.1319	0.1732	0.6474	0.1092	0.1353	0.5626	0.0887	0.1273
		S4	0.6491	0.1138	0.1403	0.6122	0.1064	0.1321	0.5910	0.0583	0.0876
(1.5,2)	(40,20)	S1	0.6694	0.1835	0.2382	0.5033	0.1647	0.2154	0.5599	0.1003	0.1421
		S2	0.4688	0.1942	0.2812	0.6702	0.1752	0.2046	0.5506	0.1151	0.1582
		S3	0.4859	0.1816	0.2635	0.6627	0.1794	0.2104	0.5435	0.1210	0.1692
		S4	0.6743	0.1774	0.2253	0.5095	0.1562	0.2081	0.5538	0.0995	0.1449
	(40,32)	S1	0.6559	0.1427	0.1829	0.5422	0.1257	0.1716	0.5584	0.1014	0.1437
		S2	0.5216	0.1439	0.1930	0.6579	0.1390	0.1767	0.5473	0.1124	0.1518
		S3	0.6485	0.1509	0.1861	0.5393	0.1246	0.1750	0.5454	0.1186	0.1676
		S4	0.6527	0.1531	0.1878	0.5486	0.1193	0.1733	0.5719	0.0859	0.1291
	(80,40)	S1	0.6342	0.1318	0.1680	0.6591	0.1220	0.1476	0.5604	0.0888	0.1348
		S2	0.6598	0.1156	0.1614	0.5915	0.1106	0.1510	0.5431	0.1063	0.1394
		S3	0.6555	0.1384	0.1696	0.6391	0.1268	0.1663	0.5345	0.1150	0.1421
		S4	0.6595	0.1156	0.1540	0.5641	0.0924	0.1219	0.5749	0.0741	0.1124
	(80,64)	S1	0.6209	0.1130	0.1493	0.6517	0.0970	0.1184	0.5776	0.0723	0.1035
		S2	0.5814	0.1097	0.1416	0.6525	0.0949	0.1157	0.5742	0.0774	0.1082
		S3	0.6481	0.1176	0.1469	0.6254	0.1036	0.1271	0.5794	0.0753	0.1055
		S4	0.6500	0.1131	0.1428	0.6207	0.1102	0.1345	0.5925	0.0569	0.0853

Table S6: The Av.Es (1st column), RMSEs (2nd column) and MRABs (3rd column) of $h(t)$ when $\sigma = 1.5$.

(T_1,T_2)	(n,m)	Scheme	MLE			MCMC					
Prior $\rightarrow$						P1			P2		
(0.5,1)	(40,20)	S1	0.2826	0.1235	0.3466	0.2339	0.1146	0.2055	0.2639	0.0103	0.1346
		S2	0.2837	0.1033	0.2935	0.2336	0.0763	0.1613	0.2435	0.0331	0.1114
		S3	0.2723	0.0889	0.2602	0.2326	0.0714	0.1591	0.2406	0.0363	0.1224
		S4	0.2781	0.0968	0.2825	0.2329	0.0671	0.1480	0.2539	0.0272	0.0964
	(40,32)	S1	0.2758	0.0961	0.2776	0.2403	0.0400	0.1346	0.2487	0.0272	0.0915
		S2	0.2737	0.0882	0.2542	0.2413	0.0391	0.1318	0.2500	0.0232	0.0830
		S3	0.2730	0.0868	0.2518	0.2513	0.0361	0.0935	0.2531	0.0301	0.0989
		S4	0.2767	0.0913	0.2638	0.2377	0.0428	0.1138	0.2535	0.0217	0.0728
	(80,40)	S1	0.2769	0.0818	0.2363	0.2658	0.0347	0.1099	0.2534	0.0197	0.0703
		S2	0.2779	0.0743	0.2186	0.2677	0.0322	0.0986	0.2530	0.0203	0.0718
		S3	0.2731	0.0691	0.1974	0.2677	0.0322	0.0857	0.2470	0.0262	0.0939
		S4	0.2746	0.0728	0.2183	0.2699	0.0334	0.0964	0.2571	0.0159	0.0569
	(80,64)	S1	0.2716	0.0711	0.2084	0.2640	0.0312	0.0985	0.2553	0.0179	0.0636
		S2	0.2715	0.0608	0.1793	0.2618	0.0303	0.0904	0.2625	0.0128	0.0406
		S3	0.2714	0.0606	0.1789	0.2618	0.0303	0.0813	0.2643	0.0174	0.0556
		S4	0.2732	0.0662	0.1933	0.2621	0.0305	0.0888	0.2583	0.0147	0.0526
(1.5,2)	(40,20)	S1	0.2785	0.0911	0.2635	0.2331	0.0532	0.1743	0.2493	0.0327	0.1031
		S2	0.2819	0.0830	0.2362	0.2308	0.0490	0.1643	0.2447	0.0377	0.1217
		S3	0.2735	0.0861	0.2582	0.2314	0.0481	0.1620	0.2345	0.0411	0.1306
		S4	0.2814	0.0790	0.2207	0.2307	0.0489	0.1645	0.2538	0.0284	0.0913
	(40,32)	S1	0.2766	0.0710	0.2050	0.2336	0.0461	0.1552	0.2484	0.0284	0.0924
		S2	0.2763	0.0681	0.1983	0.2369	0.0427	0.1440	0.2436	0.0329	0.1109
		S3	0.2733	0.0627	0.1807	0.2376	0.0418	0.1412	0.2431	0.0338	0.1135
		S4	0.2764	0.0703	0.2027	0.2343	0.0454	0.1528	0.2535	0.0217	0.0728
	(80,40)	S1	0.2761	0.0596	0.1746	0.2703	0.0335	0.1005	0.2528	0.0239	0.0727
		S2	0.2775	0.0544	0.1583	0.2671	0.0353	0.1166	0.2476	0.0256	0.0918
		S3	0.2791	0.0486	0.1371	0.2512	0.0358	0.1188	0.2458	0.0274	0.0984
		S4	0.2743	0.0519	0.1690	0.2650	0.0370	0.1234	0.2562	0.0184	0.0657
	(80,64)	S1	0.2734	0.0487	0.1425	0.2627	0.0303	0.0969	0.2533	0.0198	0.0708
		S2	0.2739	0.0453	0.1313	0.2638	0.0303	0.0965	0.2512	0.0220	0.0784
		S3	0.2728	0.0427	0.1242	0.2663	0.0306	0.0959	0.2494	0.0239	0.0851
		S4	0.2713	0.0477	0.1390	0.2639	0.0305	0.0968	0.2574	0.0155	0.0556

Table S7: The ACLs (1st column) and CPs (2nd column) of 95% asymptotic and credible intervals of σ when $\sigma = 0.8$.

$(T_1,T_2) \rightarrow$	Scheme	(0.5,1)						(1.5,2)					
(n,m)		ACI-NA		BCI				ACI-NA		BCI			
Prior $\rightarrow$				P1		P2				P1		P2	
(40,20)	S1	0.862	0.940	0.420	0.970	0.213	0.981	0.436	0.963	0.398	0.974	0.200	0.981
	S2	0.910	0.929	0.400	0.973	0.232	0.980	0.519	0.955	0.357	0.977	0.229	0.981
	S3	0.618	0.953	0.416	0.972	0.273	0.978	0.537	0.954	0.401	0.973	0.263	0.979
	S4	0.729	0.946	0.379	0.976	0.165	0.986	0.545	0.954	0.345	0.978	0.141	0.988
(40,32)	S1	0.659	0.951	0.367	0.9760	0.200	0.982	0.361	0.970	0.347	0.978	0.192	0.984
	S2	0.668	0.950	0.348	0.978	0.165	0.986	0.372	0.968	0.348	0.978	0.140	0.988
	S3	0.600	0.954	0.395	0.973	0.269	0.979	0.485	0.957	0.371	0.980	0.233	0.982
	S4	0.668	0.951	0.357	0.978	0.154	0.988	0.457	0.958	0.306	0.983	0.125	0.990
(80,40)	S1	0.562	0.962	0.338	0.980	0.120	0.990	0.336	0.972	0.298	0.984	0.108	0.991
	S2	0.637	0.951	0.336	0.981	0.149	0.988	0.360	0.970	0.336	0.979	0.116	0.991
	S3	0.447	0.975	0.371	0.979	0.120	0.990	0.363	0.970	0.347	0.982	0.101	0.992
	S4	0.501	0.970	0.337	0.980	0.085	0.993	0.380	0.967	0.261	0.986	0.070	0.993
(80,64)	S1	0.414	0.978	0.327	0.982	0.084	0.993	0.283	0.978	0.241	0.988	0.080	0.993
	S2	0.443	0.975	0.325	0.983	0.108	0.991	0.303	0.977	0.259	0.987	0.101	0.991
	S3	0.414	0.978	0.327	0.982	0.116	0.990	0.333	0.975	0.309	0.984	0.104	0.991
	S4	0.462	0.971	0.285	0.986	0.065	0.996	0.316	0.976	0.151	0.992	0.061	0.995
		ACI-NL		HPD				ACI-NL		HPD			
(40,20)	S1	0.901	0.931	0.412	0.972	0.209	0.982	0.441	0.961	0.392	0.975	0.201	0.981
	S2	0.957	0.927	0.393	0.974	0.232	0.980	0.529	0.954	0.355	0.977	0.226	0.981
	S3	0.863	0.934	0.409	0.973	0.256	0.979	0.547	0.953	0.419	0.972	0.259	0.978
	S4	0.753	0.938	0.372	0.975	0.186	0.984	0.556	0.952	0.339	0.979	0.158	0.986
(40,32)	S1	0.677	0.947	0.361	0.977	0.195	0.983	0.394	0.965	0.355	0.977	0.194	0.984
	S2	0.869	0.934	0.345	0.978	0.162	0.986	0.375	0.968	0.341	0.978	0.133	0.987
	S3	0.614	0.950	0.387	0.975	0.198	0.983	0.492	0.956	0.400	0.974	0.185	0.985
	S4	0.687	0.947	0.335	0.980	0.151	0.988	0.463	0.958	0.304	0.983	0.125	0.990
(80,40)	S1	0.573	0.960	0.336	0.980	0.111	0.992	0.349	0.970	0.333	0.979	0.108	0.991
	S2	0.654	0.948	0.333	0.981	0.128	0.990	0.363	0.969	0.330	0.979	0.100	0.992
	S3	0.531	0.963	0.369	0.978	0.116	0.992	0.366	0.970	0.346	0.982	0.102	0.992
	S4	0.509	0.965	0.329	0.981	0.078	0.994	0.384	0.968	0.260	0.986	0.063	0.994
(80,64)	S1	0.418	0.975	0.325	0.982	0.078	0.994	0.341	0.971	0.281	0.985	0.075	0.993
	S2	0.448	0.972	0.329	0.983	0.098	0.993	0.326	0.975	0.301	0.983	0.092	0.992
	S3	0.418	0.975	0.325	0.983	0.103	0.992	0.335	0.974	0.308	0.983	0.095	0.991
	S4	0.468	0.969	0.282	0.985	0.057	0.997	0.318	0.975	0.150	0.992	0.053	0.996

Table S8: The ACLs (1st column) and CPs (2nd column) of 95% asymptotic and credible intervals of σ when $\sigma = 1.5$.

$(T_1, T_2) \rightarrow$	Scheme	(0.5,1)						(1.5,2)					
(n, m)		ACI-NA		BCI				ACI-NA		BCI			
Prior $\rightarrow$				P1		P2				P1		P2	
(40,20)	S1	2.389	0.912	0.427	0.956	0.210	0.974	0.783	0.951	0.443	0.954	0.272	0.970
	S2	1.652	0.931	0.432	0.954	0.261	0.972	0.811	0.948	0.423	0.955	0.254	0.973
	S3	1.511	0.936	0.444	0.953	0.269	0.972	0.527	0.958	0.412	0.955	0.280	0.971
	S4	1.674	0.929	0.442	0.953	0.263	0.971	0.693	0.954	0.417	0.956	0.162	0.978
(40,32)	S1	1.780	0.927	0.418	0.957	0.179	0.977	0.613	0.957	0.413	0.957	0.212	0.974
	S2	1.483	0.939	0.407	0.958	0.119	0.982	0.609	0.958	0.420	0.956	0.231	0.973
	S3	1.479	0.939	0.418	0.957	0.191	0.975	0.451	0.966	0.406	0.957	0.228	0.973
	S4	1.646	0.930	0.416	0.957	0.183	0.976	0.621	0.958	0.407	0.957	0.143	0.980
(80,40)	S1	1.465	0.938	0.409	0.960	0.159	0.975	0.524	0.959	0.400	0.962	0.187	0.976
	S2	1.078	0.945	0.398	0.962	0.107	0.983	0.566	0.961	0.405	0.962	0.108	0.983
	S3	0.988	0.946	0.398	0.962	0.173	0.978	0.364	0.969	0.391	0.963	0.117	0.989
	S4	1.126	0.944	0.403	0.961	0.168	0.977	0.480	0.973	0.395	0.962	0.107	0.990
(80,64)	S1	1.177	0.943	0.366	0.965	0.139	0.978	0.421	0.965	0.397	0.968	0.116	0.989
	S2	0.989	0.947	0.360	0.964	0.098	0.984	0.424	0.965	0.370	0.969	0.094	0.991
	S3	0.979	0.946	0.337	0.968	0.116	0.982	0.338	0.971	0.261	0.975	0.095	0.990
	S4	1.103	0.947	0.390	0.962	0.140	0.978	0.431	0.970	0.350	0.970	0.087	0.991
		ACI-NL		HPD				ACI-NL		HPD			
(40,20)	S1	2.649	0.909	0.415	0.957	0.206	0.975	0.791	0.951	0.430	0.955	0.223	0.975
	S2	1.730	0.929	0.419	0.955	0.256	0.972	0.821	0.947	0.421	0.955	0.256	0.973
	S3	1.571	0.935	0.419	0.955	0.286	0.970	0.776	0.952	0.418	0.954	0.285	0.971
	S4	1.755	0.926	0.429	0.954	0.216	0.976	0.699	0.954	0.414	0.956	0.188	0.977
(40,32)	S1	1.884	0.925	0.416	0.957	0.097	0.983	0.617	0.957	0.411	0.957	0.208	0.974
	S2	1.540	0.937	0.405	0.958	0.117	0.982	0.613	0.958	0.408	0.957	0.215	0.973
	S3	1.536	0.937	0.416	0.957	0.231	0.973	0.530	0.962	0.401	0.957	0.272	0.972
	S4	1.724	0.928	0.414	0.957	0.158	0.980	0.625	0.958	0.406	0.957	0.160	0.979
(80,40)	S1	1.522	0.936	0.405	0.960	0.088	0.984	0.527	0.959	0.395	0.961	0.178	0.976
	S2	1.100	0.944	0.387	0.963	0.091	0.984	0.569	0.961	0.394	0.963	0.114	0.983
	S3	1.005	0.944	0.387	0.963	0.103	0.980	0.452	0.966	0.386	0.962	0.139	0.987
	S4	1.137	0.943	0.391	0.962	0.090	0.984	0.482	0.973	0.396	0.962	0.127	0.988
(80,64)	S1	1.206	0.942	0.365	0.965	0.075	0.987	0.425	0.965	0.379	0.969	0.076	0.990
	S2	1.006	0.947	0.359	0.964	0.073	0.986	0.426	0.965	0.368	0.969	0.072	0.990
	S3	0.996	0.944	0.337	0.968	0.084	0.985	0.365	0.969	0.259	0.975	0.082	0.986
	S4	1.127	0.946	0.339	0.967	0.057	0.988	0.432	0.970	0.368	0.969	0.053	0.989

Table S9: The ACLs (1st column) and CPs (2nd column) of 95% asymptotic and credible intervals of $R(t)$ when $\sigma = 0.8$.

$(T_1, T_2) \rightarrow$	Scheme	(0.5,1)						(1.5,2)					
(n, m)		ACI-NA		BCI				ACI-NA		BCI			
Prior $\rightarrow$				P1		P2				P1		P2	
(40,20)	S1	0.139	0.948	0.087	0.957	0.032	0.966	0.081	0.957	0.078	0.959	0.040	0.965
	S2	0.162	0.946	0.075	0.959	0.035	0.965	0.098	0.955	0.064	0.961	0.039	0.965
	S3	0.116	0.950	0.078	0.959	0.043	0.962	0.096	0.955	0.082	0.958	0.038	0.963
	S4	0.128	0.949	0.077	0.960	0.034	0.965	0.102	0.953	0.064	0.961	0.037	0.964
(40,32)	S1	0.111	0.950	0.067	0.964	0.029	0.967	0.063	0.963	0.066	0.965	0.030	0.967
	S2	0.121	0.949	0.062	0.965	0.026	0.969	0.068	0.963	0.055	0.968	0.035	0.966
	S3	0.102	0.951	0.070	0.963	0.039	0.964	0.083	0.960	0.075	0.962	0.031	0.965
	S4	0.114	0.951	0.062	0.965	0.026	0.969	0.080	0.960	0.044	0.970	0.025	0.969
(80,40)	S1	0.097	0.953	0.055	0.969	0.017	0.973	0.055	0.965	0.048	0.971	0.022	0.971
	S2	0.115	0.951	0.050	0.970	0.019	0.972	0.062	0.964	0.045	0.971	0.016	0.975
	S3	0.084	0.955	0.052	0.969	0.020	0.972	0.065	0.963	0.050	0.969	0.019	0.972
	S4	0.090	0.954	0.047	0.971	0.015	0.975	0.070	0.962	0.041	0.972	0.017	0.975
(80,64)	S1	0.072	0.957	0.050	0.970	0.012	0.976	0.043	0.967	0.044	0.971	0.013	0.976
	S2	0.079	0.957	0.047	0.971	0.015	0.975	0.047	0.967	0.042	0.971	0.014	0.975
	S3	0.072	0.958	0.050	0.970	0.017	0.974	0.058	0.966	0.048	0.970	0.015	0.975
	S4	0.081	0.956	0.044	0.971	0.013	0.976	0.056	0.966	0.032	0.972	0.010	0.977
		ACI-NL		HPD				ACI-NL		HPD			
(40,20)	S1	0.139	0.948	0.082	0.958	0.033	0.966	0.081	0.957	0.074	0.961	0.029	0.972
	S2	0.162	0.946	0.071	0.961	0.031	0.966	0.098	0.955	0.056	0.967	0.030	0.972
	S3	0.116	0.950	0.073	0.960	0.036	0.965	0.096	0.955	0.077	0.960	0.034	0.971
	S4	0.128	0.949	0.073	0.960	0.029	0.967	0.102	0.953	0.061	0.963	0.0278	0.973
(40,32)	S1	0.121	0.949	0.064	0.965	0.029	0.967	0.063	0.963	0.057	0.967	0.024	0.975
	S2	0.124	0.949	0.058	0.967	0.025	0.969	0.068	0.963	0.052	0.968	0.023	0.976
	S3	0.102	0.951	0.066	0.964	0.030	0.966	0.083	0.960	0.061	0.965	0.027	0.973
	S4	0.114	0.951	0.058	0.967	0.025	0.969	0.080	0.960	0.062	0.966	0.0234	0.976
(80,40)	S1	0.097	0.953	0.058	0.967	0.016	0.973	0.055	0.965	0.046	0.971	0.013	0.979
	S2	0.115	0.951	0.051	0.968	0.014	0.974	0.057	0.966	0.044	0.971	0.011	0.980
	S3	0.088	0.956	0.054	0.969	0.016	0.973	0.065	0.963	0.048	0.969	0.012	0.979
	S4	0.090	0.954	0.045	0.970	0.020	0.972	0.070	0.962	0.042	0.972	0.017	0.975
(80,64)	S1	0.072	0.957	0.048	0.970	0.011	0.976	0.043	0.967	0.043	0.971	0.011	0.981
	S2	0.079	0.957	0.046	0.971	0.012	0.976	0.047	0.967	0.041	0.971	0.009	0.980
	S3	0.072	0.958	0.048	0.970	0.011	0.975	0.058	0.966	0.042	0.971	0.010	0.981
	S4	0.081	0.956	0.042	0.972	0.013	0.976	0.056	0.966	0.029	0.974	0.009	0.981

Table S10: The ACLs (1st column) and CPs (2nd column) of 95% asymptotic and credible intervals of $R(t)$ when $\sigma = 1.5$.

$(T_1, T_2) \rightarrow$	Scheme	(0.5,1)						(1.5,2)					
(n,m)		ACI-NA		BCI				ACI-NA		BCI			
Prior $\rightarrow$				P1		P2				P1		P2	
(40,20)	S1	0.083	0.942	0.022	0.956	0.015	0.961	0.032	0.951	0.021	0.958	0.019	0.960
	S2	0.070	0.946	0.020	0.958	0.014	0.961	0.036	0.949	0.019	0.960	0.014	0.962
	S3	0.067	0.948	0.021	0.957	0.017	0.959	0.038	0.948	0.027	0.954	0.012	0.964
	S4	0.070	0.946	0.021	0.957	0.016	0.960	0.031	0.952	0.019	0.959	0.014	0.961
(40,32)	S1	0.066	0.948	0.019	0.960	0.013	0.964	0.026	0.955	0.017	0.962	0.012	0.965
	S2	0.057	0.950	0.018	0.961	0.012	0.966	0.029	0.953	0.018	0.961	0.011	0.965
	S3	0.056	0.950	0.018	0.961	0.013	0.965	0.025	0.954	0.019	0.961	0.010	0.966
	S4	0.064	0.949	0.018	0.961	0.014	0.964	0.026	0.955	0.018	0.962	0.010	0.965
(80,40)	S1	0.058	0.950	0.015	0.965	0.010	0.968	0.022	0.956	0.015	0.967	0.009	0.969
	S2	0.047	0.953	0.016	0.964	0.009	0.969	0.025	0.955	0.016	0.966	0.008	0.970
	S3	0.040	0.955	0.015	0.965	0.008	0.970	0.020	0.957	0.015	0.967	0.007	0.971
	S4	0.046	0.953	0.016	0.964	0.008	0.970	0.021	0.956	0.016	0.966	0.007	0.971
(80,64)	S1	0.046	0.954	0.012	0.967	0.008	0.970	0.018	0.959	0.013	0.968	0.007	0.971
	S2	0.040	0.957	0.014	0.965	0.007	0.971	0.018	0.959	0.013	0.968	0.006	0.972
	S3	0.039	0.957	0.013	0.966	0.006	0.972	0.016	0.961	0.011	0.970	0.005	0.973
	S4	0.043	0.955	0.013	0.967	0.006	0.972	0.018	0.960	0.012	0.969	0.005	0.973
		ACI-NL		HPD				ACI-NL		HPD			
(40,20)	S1	0.083	0.942	0.065	0.951	0.039	0.956	0.032	0.951	0.020	0.959	0.018	0.962
	S2	0.070	0.946	0.069	0.952	0.038	0.956	0.036	0.949	0.018	0.961	0.014	0.962
	S3	0.076	0.945	0.067	0.953	0.034	0.957	0.038	0.948	0.026	0.954	0.013	0.959
	S4	0.075	0.945	0.066	0.952	0.036	0.955	0.030	0.952	0.018	0.960	0.015	0.960
(40,32)	S1	0.066	0.948	0.046	0.955	0.028	0.959	0.025	0.955	0.017	0.961	0.014	0.964
	S2	0.057	0.950	0.047	0.956	0.022	0.963	0.026	0.954	0.017	0.962	0.012	0.965
	S3	0.056	0.950	0.042	0.957	0.021	0.962	0.027	0.954	0.018	0.961	0.010	0.964
	S4	0.064	0.949	0.043	0.956	0.026	0.960	0.024	0.955	0.017	0.962	0.012	0.965
(80,40)	S1	0.058	0.950	0.035	0.960	0.022	0.963	0.022	0.956	0.015	0.967	0.011	0.969
	S2	0.047	0.953	0.031	0.959	0.018	0.964	0.025	0.955	0.014	0.966	0.010	0.970
	S3	0.048	0.955	0.032	0.960	0.017	0.965	0.020	0.957	0.015	0.967	0.009	0.971
	S4	0.057	0.953	0.033	0.959	0.015	0.967	0.022	0.956	0.014	0.966	0.011	0.969
(80,64)	S1	0.046	0.954	0.021	0.962	0.013	0.965	0.017	0.959	0.013	0.968	0.008	0.971
	S2	0.039	0.957	0.024	0.960	0.014	0.966	0.016	0.960	0.012	0.969	0.008	0.972
	S3	0.040	0.957	0.023	0.961	0.012	0.967	0.016	0.961	0.013	0.968	0.007	0.973
	S4	0.046	0.955	0.025	0.962	0.011	0.968	0.018	0.960	0.011	0.970	0.007	0.972

11

Table S11: The ACLs (1st column) and CPs (2nd column) of 95% asymptotic and credible intervals of $h(t)$ when $\sigma = 0.8$.

$(T_1, T_2) \rightarrow$	Scheme	(0.5,1)						(1.5,2)					
(n,m)		ACI-NA		BCI				ACI-NA		BCI			
Prior $\rightarrow$				P1		P2				P1		P2	
(40,20)	S1	0.623	0.925	0.535	0.931	0.190	0.951	0.478	0.938	0.359	0.946	0.183	0.952
	S2	0.725	0.919	0.460	0.937	0.208	0.949	0.435	0.942	0.339	0.948	0.212	0.948
	S3	0.515	0.937	0.473	0.936	0.232	0.946	0.429	0.943	0.372	0.943	0.228	0.947
	S4	0.575	0.932	0.472	0.936	0.154	0.954	0.456	0.940	0.321	0.950	0.131	0.955
(40,32)	S1	0.503	0.938	0.410	0.940	0.182	0.951	0.401	0.945	0.284	0.955	0.151	0.957
	S2	0.522	0.936	0.375	0.945	0.162	0.953	0.347	0.954	0.311	0.953	0.140	0.958
	S3	0.464	0.941	0.427	0.939	0.155	0.954	0.377	0.951	0.326	0.952	0.129	0.959
	S4	0.518	0.937	0.375	0.945	0.146	0.956	0.361	0.952	0.262	0.957	0.124	0.960
(80,40)	S1	0.441	0.941	0.378	0.945	0.119	0.959	0.287	0.963	0.248	0.959	0.091	0.963
	S2	0.478	0.939	0.313	0.949	0.120	0.959	0.301	0.958	0.272	0.956	0.094	0.963
	S3	0.358	0.949	0.308	0.950	0.102	0.962	0.297	0.962	0.266	0.957	0.083	0.965
	S4	0.409	0.944	0.279	0.953	0.089	0.964	0.317	0.956	0.249	0.959	0.062	0.968
(80,64)	S1	0.330	0.952	0.299	0.951	0.083	0.965	0.264	0.965	0.198	0.963	0.074	0.967
	S2	0.359	0.949	0.284	0.952	0.095	0.963	0.266	0.964	0.215	0.961	0.082	0.965
	S3	0.330	0.952	0.269	0.956	0.090	0.964	0.268	0.965	0.231	0.960	0.076	0.967
	S4	0.369	0.948	0.266	0.957	0.059	0.969	0.257	0.966	0.213	0.961	0.054	0.971
		ACI-NL		HPD				ACI-NL		HPD			
(40,20)	S1	0.650	0.923	0.499	0.935	0.184	0.952	0.451	0.940	0.364	0.945	0.175	0.953
	S2	0.663	0.922	0.435	0.940	0.201	0.950	0.443	0.941	0.340	0.948	0.197	0.950
	S3	0.528	0.936	0.445	0.939	0.218	0.948	0.472	0.938	0.417	0.942	0.202	0.949
	S4	0.594	0.930	0.444	0.939	0.150	0.955	0.465	0.939	0.371	0.944	0.146	0.956
(40,32)	S1	0.517	0.937	0.386	0.942	0.175	0.954	0.379	0.948	0.306	0.955	0.168	0.954
	S2	0.532	0.935	0.353	0.947	0.178	0.954	0.397	0.946	0.313	0.954	0.159	0.956
	S3	0.475	0.940	0.402	0.941	0.188	0.953	0.432	0.941	0.382	0.950	0.163	0.955
	S4	0.532	0.935	0.353	0.947	0.141	0.956	0.366	0.949	0.325	0.953	0.132	0.959
(80,40)	S1	0.450	0.940	0.289	0.951	0.097	0.961	0.315	0.961	0.275	0.958	0.070	0.967
	S2	0.436	0.942	0.286	0.951	0.089	0.962	0.301	0.958	0.271	0.959	0.082	0.966
	S3	0.363	0.948	0.294	0.950	0.093	0.961	0.299	0.962	0.253	0.961	0.084	0.965
	S4	0.416	0.943	0.272	0.953	0.079	0.965	0.320	0.955	0.243	0.962	0.066	0.968
(80,64)	S1	0.334	0.952	0.275	0.953	0.086	0.965	0.264	0.965	0.239	0.963	0.063	0.969
	S2	0.364	0.948	0.274	0.954	0.080	0.966	0.257	0.966	0.212	0.965	0.074	0.967
	S3	0.334	0.952	0.285	0.951	0.081	0.966	0.270	0.964	0.234	0.963	0.080	0.967
	S4	0.374	0.947	0.255	0.958	0.065	0.967	0.258	0.966	0.213	0.965	0.061	0.969

Table S12: The ACLs (1st column) and CPs (2nd column) of 95% asymptotic and credible intervals of $h(t)$ when $\sigma = 1.5$.

$(T_1,T_2) \rightarrow$	Scheme	(0.5,1)						(1.5,2)					
(n,m)		ACI-NA		BCI				ACI-NA		BCI			
Prior $\rightarrow$				P1		P2				P1		P2	
(40,20)	S1	0.435	0.924	0.135	0.946	0.048	0.967	0.170	0.941	0.123	0.948	0.047	0.968
	S2	0.365	0.936	0.138	0.946	0.058	0.965	0.188	0.939	0.133	0.950	0.057	0.965
	S3	0.330	0.941	0.132	0.947	0.064	0.964	0.167	0.942	0.139	0.946	0.059	0.966
	S4	0.351	0.938	0.129	0.948	0.080	0.962	0.162	0.942	0.127	0.949	0.077	0.964
(40,32)	S1	0.347	0.939	0.111	0.954	0.041	0.970	0.137	0.945	0.115	0.953	0.042	0.970
	S2	0.299	0.946	0.108	0.956	0.049	0.968	0.138	0.945	0.116	0.953	0.040	0.972
	S3	0.297	0.946	0.104	0.956	0.057	0.967	0.142	0.943	0.110	0.952	0.051	0.967
	S4	0.339	0.940	0.106	0.955	0.075	0.964	0.139	0.945	0.107	0.955	0.071	0.966
(80,40)	S1	0.305	0.946	0.090	0.959	0.039	0.971	0.118	0.947	0.103	0.958	0.039	0.971
	S2	0.247	0.952	0.088	0.960	0.042	0.970	0.121	0.948	0.101	0.959	0.033	0.972
	S3	0.256	0.951	0.089	0.959	0.047	0.968	0.114	0.950	0.099	0.960	0.046	0.968
	S4	0.271	0.948	0.089	0.960	0.054	0.966	0.112	0.950	0.099	0.960	0.042	0.969
(80,64)	S1	0.244	0.953	0.089	0.960	0.028	0.977	0.095	0.951	0.086	0.961	0.022	0.977
	S2	0.211	0.958	0.082	0.962	0.024	0.979	0.097	0.951	0.082	0.964	0.023	0.979
	S3	0.218	0.957	0.076	0.963	0.031	0.976	0.082	0.953	0.078	0.965	0.029	0.978
	S4	0.239	0.954	0.085	0.961	0.048	0.967	0.097	0.951	0.085	0.962	0.035	0.969
		ACI-NL		HPD				ACI-NL		HPD			
(40,20)	S1	0.488	0.921	0.129	0.949	0.047	0.969	0.172	0.941	0.116	0.951	0.046	0.969
	S2	0.391	0.933	0.117	0.949	0.056	0.967	0.191	0.939	0.107	0.953	0.055	0.965
	S3	0.372	0.938	0.111	0.951	0.062	0.966	0.176	0.940	0.118	0.950	0.058	0.967
	S4	0.385	0.936	0.115	0.950	0.071	0.964	0.164	0.942	0.105	0.953	0.054	0.965
(40,32)	S1	0.373	0.937	0.105	0.957	0.035	0.972	0.138	0.945	0.099	0.956	0.035	0.971
	S2	0.316	0.944	0.098	0.959	0.042	0.970	0.139	0.945	0.101	0.956	0.042	0.969
	S3	0.313	0.944	0.098	0.959	0.056	0.968	0.144	0.943	0.104	0.955	0.053	0.969
	S4	0.361	0.938	0.100	0.958	0.067	0.966	0.140	0.945	0.101	0.956	0.041	0.969
(80,40)	S1	0.322	0.945	0.093	0.961	0.027	0.974	0.119	0.947	0.088	0.961	0.022	0.972
	S2	0.256	0.951	0.087	0.963	0.030	0.973	0.123	0.946	0.088	0.961	0.026	0.973
	S3	0.277	0.948	0.089	0.962	0.030	0.973	0.129	0.949	0.086	0.963	0.020	0.973
	S4	0.249	0.950	0.088	0.963	0.031	0.969	0.112	0.950	0.087	0.962	0.028	0.971
(80,64)	S1	0.253	0.952	0.082	0.963	0.017	0.979	0.096	0.951	0.085	0.964	0.016	0.978
	S2	0.217	0.957	0.081	0.965	0.022	0.980	0.097	0.951	0.081	0.967	0.020	0.975
	S3	0.216	0.957	0.075	0.966	0.019	0.978	0.083	0.953	0.079	0.968	0.018	0.976
	S4	0.205	0.958	0.081	0.965	0.021	0.980	0.098	0.951	0.084	0.964	0.018	0.976