

**Appendix A.10. Regional growth factors for regions used to prepare NOAA Atlas 14 Volume 1.**

Table A.10.1. Regional growth factors for daily regions and at-site analyses for each duration 24-hour to 60-day.

region	24-hour								
	2-year	5-year	10-year	25-year	50-year	100-year	200-year	500-year	1,000-year
1	0.931	1.247	1.466	1.754	1.977	2.206	2.442	2.765	3.020
2	0.902	1.269	1.543	1.927	2.242	2.584	2.955	3.496	3.947
3	0.919	1.277	1.528	1.862	2.124	2.395	2.677	3.069	3.380
4	0.929	1.254	1.479	1.777	2.007	2.244	2.489	2.826	3.091
5	0.931	1.246	1.465	1.755	1.980	2.211	2.450	2.779	3.038
6	0.934	1.230	1.437	1.710	1.923	2.142	2.369	2.682	2.930
7	0.909	1.292	1.566	1.937	2.230	2.539	2.863	3.320	3.688
8	0.938	1.246	1.454	1.723	1.927	2.132	2.340	2.620	2.835
9	0.918	1.261	1.506	1.839	2.102	2.380	2.672	3.084	3.416
10	0.915	1.305	1.577	1.935	2.212	2.496	2.790	3.193	3.511
11	0.922	1.273	1.518	1.844	2.098	2.360	2.632	3.008	3.306
12	0.936	1.260	1.478	1.758	1.969	2.180	2.394	2.679	2.898
13	0.947	1.229	1.417	1.655	1.833	2.010	2.186	2.420	2.597
14	0.944	1.218	1.403	1.643	1.825	2.009	2.196	2.448	2.643
15	0.922	1.243	1.473	1.786	2.035	2.298	2.576	2.969	3.288
16	0.937	1.241	1.448	1.718	1.923	2.132	2.344	2.632	2.856
17	0.900	1.272	1.549	1.940	2.262	2.612	2.992	3.549	4.015
18	0.857	1.387	1.783	2.339	2.798	3.295	3.836	4.627	5.288
19	0.931	1.364	1.640	1.975	2.214	2.445	2.668	2.953	3.160
20	0.866	1.325	1.678	2.186	2.616	3.092	3.621	4.414	5.093
21	0.932	1.265	1.491	1.784	2.006	2.231	2.460	2.769	3.008
22	0.936	1.235	1.443	1.714	1.924	2.138	2.359	2.660	2.896
23	0.928	1.254	1.481	1.780	2.012	2.251	2.498	2.837	3.105
24	0.906	1.293	1.571	1.950	2.252	2.570	2.908	3.385	3.773
25	0.946	1.240	1.435	1.680	1.861	2.041	2.220	2.456	2.633
26	0.926	1.242	1.466	1.768	2.006	2.254	2.515	2.880	3.173
27	0.930	1.320	1.577	1.899	2.136	2.369	2.601	2.904	3.131
28	0.895	1.332	1.646	2.072	2.411	2.768	3.145	3.677	4.109
29	0.885	1.320	1.641	2.089	2.456	2.852	3.280	3.902	4.419
30	0.901	1.369	1.689	2.108	2.429	2.756	3.091	3.547	3.903
31	0.917	1.329	1.608	1.969	2.242	2.518	2.798	3.175	3.466
32	0.903	1.297	1.581	1.970	2.281	2.611	2.962	3.460	3.866
33	0.849	1.413	1.833	2.422	2.905	3.429	3.998	4.827	5.520
34	0.899	1.331	1.637	2.049	2.373	2.713	3.069	3.568	3.968
35	0.898	1.284	1.570	1.970	2.296	2.648	3.029	3.582	4.042
36	0.931	1.251	1.472	1.763	1.986	2.215	2.450	2.772	3.025
37	0.920	1.268	1.513	1.840	2.097	2.364	2.642	3.029	3.338
38	0.944	1.230	1.423	1.669	1.855	2.041	2.228	2.478	2.669
39	0.929	1.249	1.472	1.769	2.000	2.239	2.487	2.829	3.100

<b>24-hour</b>									
<b>region</b>	<b>2-year</b>	<b>5-year</b>	<b>10-year</b>	<b>25-year</b>	<b>50-year</b>	<b>100-year</b>	<b>200-year</b>	<b>500-year</b>	<b>1,000-year</b>
40	0.848	1.413	1.835	2.427	2.915	3.444	4.019	4.859	5.562
41	0.919	1.288	1.544	1.882	2.142	2.411	2.688	3.068	3.367
42	0.918	1.290	1.549	1.892	2.158	2.433	2.717	3.109	3.419
43	0.930	1.252	1.477	1.772	2.000	2.235	2.477	2.809	3.071
44	0.940	1.244	1.449	1.713	1.912	2.112	2.314	2.586	2.794
45	0.936	1.258	1.474	1.752	1.961	2.172	2.384	2.669	2.887
46	0.889	1.242	1.521	1.937	2.298	2.708	3.174	3.892	4.525
47	0.915	1.273	1.528	1.872	2.145	2.431	2.732	3.155	3.495
48	0.903	1.309	1.600	1.993	2.305	2.633	2.978	3.465	3.858
49	0.914	1.275	1.532	1.882	2.158	2.449	2.756	3.188	3.537
50	0.916	1.266	1.516	1.854	2.122	2.404	2.702	3.121	3.459
51	0.928	1.255	1.482	1.782	2.015	2.255	2.503	2.844	3.113
52	0.937	1.254	1.469	1.745	1.954	2.164	2.377	2.662	2.881
53	0.941	1.265	1.478	1.746	1.944	2.140	2.334	2.589	2.781
54	0.889	1.269	1.561	1.984	2.343	2.741	3.184	3.849	4.421
55	0.934	1.301	1.541	1.842	2.063	2.281	2.496	2.777	2.988
56	0.891	1.305	1.611	2.038	2.386	2.761	3.165	3.752	4.239
57	0.872	1.322	1.664	2.153	2.563	3.015	3.514	4.255	4.886
58	0.875	1.373	1.735	2.233	2.634	3.060	3.515	4.166	4.699
59	0.936	1.267	1.502	1.835	2.116	2.430	2.783	3.320	3.787
A1	0.818	1.316	1.735	2.393	2.995	3.710	4.562	5.944	7.227
A2	0.878	1.299	1.615	2.055	2.408	2.784	3.184	3.753	4.215
A3	0.874	1.282	1.609	2.121	2.596	3.170	3.869	5.032	6.140
A4	0.875	1.258	1.565	2.027	2.432	2.896	3.429	4.259	4.998
A5	0.856	1.253	1.585	2.105	2.580	3.143	3.812	4.894	5.896
A6	0.876	1.319	1.647	2.098	2.458	2.838	3.241	3.810	4.270

<b>48-hour</b>									
<b>region</b>	<b>2-year</b>	<b>5-year</b>	<b>10-year</b>	<b>25-year</b>	<b>50-year</b>	<b>100-year</b>	<b>200-year</b>	<b>500-year</b>	<b>1,000-year</b>
1	0.936	1.251	1.465	1.741	1.951	2.164	2.380	2.671	2.896
2	0.890	1.264	1.552	1.969	2.322	2.715	3.153	3.812	4.379
3	0.916	1.278	1.534	1.879	2.150	2.433	2.730	3.145	3.478
4	0.937	1.250	1.462	1.735	1.942	2.150	2.361	2.645	2.864
5	0.932	1.251	1.471	1.759	1.979	2.205	2.436	2.751	2.997
6	0.936	1.224	1.425	1.692	1.899	2.114	2.335	2.642	2.884
7	0.898	1.285	1.572	1.972	2.300	2.653	3.035	3.590	4.051
8	0.918	1.254	1.495	1.824	2.087	2.364	2.657	3.074	3.411
9	0.906	1.273	1.542	1.915	2.217	2.541	2.888	3.388	3.801
10	0.917	1.309	1.578	1.931	2.202	2.478	2.761	3.147	3.448
11	0.923	1.269	1.510	1.829	2.078	2.334	2.600	2.966	3.256
12	0.929	1.259	1.487	1.788	2.019	2.257	2.501	2.836	3.099
13	0.940	1.225	1.420	1.673	1.867	2.065	2.267	2.541	2.755

48-hour									
region	2-year	5-year	10-year	25-year	50-year	100-year	200-year	500-year	1,000-year
14	0.946	1.220	1.405	1.642	1.819	1.998	2.178	2.419	2.603
15	0.926	1.246	1.473	1.777	2.016	2.265	2.526	2.890	3.181
16	0.930	1.251	1.473	1.766	1.991	2.223	2.461	2.788	3.045
17	0.885	1.286	1.591	2.029	2.397	2.803	3.253	3.922	4.493
18	0.857	1.390	1.787	2.344	2.801	3.297	3.835	4.620	5.276
19	0.935	1.372	1.646	1.976	2.209	2.431	2.643	2.910	3.102
20	0.868	1.325	1.675	2.178	2.601	3.070	3.589	4.365	5.029
21	0.930	1.264	1.492	1.790	2.018	2.250	2.488	2.811	3.062
22	0.931	1.230	1.440	1.722	1.943	2.174	2.414	2.749	3.017
23	0.928	1.255	1.484	1.786	2.021	2.262	2.513	2.857	3.130
24	0.900	1.279	1.560	1.953	2.274	2.620	2.995	3.539	3.992
25	0.945	1.239	1.434	1.681	1.864	2.047	2.228	2.468	2.649
26	0.932	1.240	1.454	1.739	1.960	2.188	2.424	2.750	3.008
27	0.916	1.322	1.599	1.958	2.233	2.511	2.795	3.180	3.479
28	0.879	1.350	1.695	2.174	2.562	2.978	3.425	4.069	4.599
29	0.884	1.307	1.624	2.075	2.448	2.855	3.301	3.956	4.508
30	0.898	1.376	1.705	2.136	2.467	2.805	3.153	3.628	3.999
31	0.905	1.338	1.640	2.039	2.348	2.666	2.995	3.448	3.806
32	0.883	1.300	1.615	2.064	2.438	2.847	3.298	3.964	4.528
33	0.831	1.403	1.845	2.487	3.032	3.638	4.315	5.336	6.215
34	0.905	1.332	1.630	2.027	2.335	2.654	2.985	3.442	3.805
35	0.904	1.290	1.570	1.954	2.264	2.593	2.943	3.444	3.854
36	0.931	1.251	1.473	1.765	1.990	2.221	2.460	2.787	3.044
37	0.927	1.265	1.499	1.807	2.044	2.287	2.538	2.881	3.150
38	0.942	1.227	1.421	1.672	1.862	2.055	2.251	2.514	2.718
39	0.932	1.245	1.461	1.747	1.968	2.195	2.429	2.751	3.004
40	0.857	1.414	1.822	2.388	2.848	3.340	3.869	4.631	5.259
41	0.910	1.282	1.549	1.912	2.201	2.505	2.828	3.284	3.653
42	0.911	1.296	1.569	1.935	2.222	2.522	2.836	3.274	3.624
43	0.926	1.256	1.486	1.792	2.031	2.277	2.533	2.887	3.168
44	0.938	1.244	1.451	1.718	1.920	2.124	2.330	2.608	2.822
45	0.938	1.255	1.467	1.738	1.942	2.145	2.351	2.624	2.834
46	0.898	1.247	1.516	1.906	2.235	2.601	3.008	3.619	4.145
47	0.912	1.273	1.533	1.888	2.171	2.471	2.789	3.240	3.606
48	0.894	1.306	1.608	2.025	2.364	2.727	3.116	3.677	4.140
49	0.912	1.272	1.532	1.886	2.170	2.470	2.789	3.241	3.608
50	0.923	1.263	1.502	1.819	2.067	2.324	2.591	2.961	3.254
51	0.927	1.259	1.490	1.794	2.030	2.272	2.523	2.867	3.138
52	0.932	1.244	1.460	1.746	1.967	2.194	2.428	2.751	3.004
53	0.942	1.258	1.466	1.728	1.921	2.112	2.302	2.552	2.740
54	0.900	1.270	1.547	1.937	2.259	2.609	2.989	3.547	4.014
55	0.927	1.292	1.538	1.855	2.094	2.335	2.578	2.905	3.156
56	0.891	1.304	1.610	2.037	2.387	2.765	3.173	3.767	4.261

48-hour									
region	2-year	5-year	10-year	25-year	50-year	100-year	200-year	500-year	1,000-year
57	0.853	1.301	1.662	2.206	2.686	3.237	3.872	4.864	5.751
58	0.851	1.384	1.787	2.360	2.838	3.361	3.936	4.786	5.505
59	0.935	1.262	1.496	1.829	2.112	2.429	2.786	3.332	3.810
A1	0.878	1.314	1.644	2.115	2.507	2.938	3.411	4.112	4.706
A2	0.908	1.290	1.559	1.915	2.190	2.473	2.766	3.170	3.490
A3	0.889	1.278	1.582	2.049	2.474	2.981	3.587	4.579	5.507
A4	0.887	1.268	1.562	1.990	2.353	2.757	3.209	3.890	4.478
A5	0.850	1.233	1.564	2.100	2.604	3.216	3.962	5.206	6.390
A6	0.863	1.344	1.703	2.197	2.593	3.013	3.457	4.087	4.598

4-day									
region	2-year	5-year	10-year	25-year	50-year	100-year	200-year	500-year	1,000-year
1	0.919	1.248	1.485	1.811	2.072	2.348	2.643	3.061	3.403
2	0.886	1.275	1.575	2.009	2.377	2.786	3.242	3.926	4.515
3	0.913	1.281	1.543	1.897	2.177	2.470	2.779	3.213	3.562
4	0.942	1.249	1.453	1.714	1.908	2.101	2.295	2.551	2.747
5	0.933	1.258	1.480	1.768	1.988	2.211	2.438	2.746	2.985
6	0.936	1.227	1.430	1.698	1.906	2.120	2.342	2.647	2.888
7	0.904	1.284	1.560	1.940	2.246	2.573	2.921	3.420	3.829
8	0.911	1.279	1.542	1.900	2.185	2.484	2.801	3.249	3.610
9	0.887	1.292	1.597	2.032	2.393	2.789	3.223	3.865	4.407
10	0.917	1.312	1.582	1.935	2.206	2.481	2.763	3.146	3.445
11	0.925	1.269	1.508	1.823	2.067	2.317	2.576	2.931	3.211
12	0.925	1.258	1.492	1.803	2.045	2.296	2.558	2.919	3.206
13	0.934	1.228	1.434	1.709	1.924	2.146	2.377	2.698	2.953
14	0.941	1.222	1.415	1.665	1.857	2.052	2.251	2.521	2.732
15	0.930	1.249	1.470	1.761	1.987	2.218	2.457	2.786	3.044
16	0.930	1.268	1.499	1.798	2.027	2.258	2.494	2.813	3.061
17	0.884	1.305	1.621	2.069	2.441	2.846	3.289	3.941	4.491
18	0.851	1.389	1.794	2.369	2.846	3.367	3.939	4.781	5.491
19	0.933	1.377	1.655	1.991	2.228	2.454	2.671	2.945	3.142
20	0.885	1.339	1.671	2.129	2.498	2.893	3.315	3.921	4.418
21	0.931	1.268	1.497	1.794	2.019	2.247	2.479	2.792	3.034
22	0.927	1.226	1.441	1.734	1.967	2.214	2.476	2.846	3.147
23	0.925	1.257	1.490	1.799	2.040	2.290	2.550	2.910	3.196
24	0.905	1.279	1.552	1.929	2.235	2.561	2.911	3.413	3.827
25	0.943	1.239	1.437	1.689	1.877	2.065	2.254	2.504	2.695
26	0.926	1.245	1.471	1.772	2.009	2.256	2.514	2.873	3.160
27	0.918	1.351	1.640	2.007	2.280	2.554	2.827	3.190	3.465
28	0.869	1.371	1.741	2.256	2.675	3.126	3.612	4.315	4.898
29	0.882	1.314	1.637	2.093	2.471	2.881	3.329	3.986	4.538
30	0.883	1.382	1.737	2.215	2.593	2.988	3.403	3.985	4.453

4-day									
region	2-year	5-year	10-year	25-year	50-year	100-year	200-year	500-year	1,000-year
31	0.899	1.359	1.679	2.102	2.430	2.768	3.117	3.598	3.977
32	0.875	1.309	1.641	2.118	2.519	2.962	3.453	4.186	4.812
33	0.835	1.408	1.846	2.476	3.005	3.590	4.238	5.205	6.031
34	0.908	1.333	1.627	2.014	2.312	2.619	2.934	3.366	3.705
35	0.891	1.285	1.582	2.003	2.354	2.737	3.157	3.776	4.299
36	0.925	1.250	1.480	1.788	2.031	2.283	2.548	2.917	3.213
37	0.933	1.265	1.490	1.782	2.003	2.226	2.453	2.759	2.994
38	0.946	1.226	1.414	1.652	1.831	2.009	2.188	2.427	2.608
39	0.933	1.247	1.463	1.746	1.964	2.187	2.415	2.727	2.971
40	0.863	1.408	1.805	2.351	2.791	3.259	3.759	4.474	5.060
41	0.902	1.275	1.550	1.934	2.247	2.585	2.951	3.480	3.920
42	0.906	1.294	1.572	1.949	2.250	2.568	2.903	3.378	3.762
43	0.915	1.260	1.508	1.849	2.121	2.410	2.717	3.154	3.510
44	0.938	1.245	1.453	1.721	1.924	2.130	2.337	2.617	2.833
45	0.938	1.253	1.465	1.735	1.938	2.142	2.347	2.621	2.830
46	0.893	1.253	1.531	1.935	2.278	2.660	3.087	3.730	4.286
47	0.919	1.273	1.522	1.854	2.115	2.385	2.667	3.059	3.371
48	0.893	1.308	1.612	2.033	2.375	2.740	3.133	3.698	4.164
49	0.903	1.274	1.547	1.928	2.238	2.571	2.931	3.451	3.881
50	0.919	1.262	1.506	1.835	2.095	2.367	2.654	3.056	3.380
51	0.914	1.250	1.496	1.837	2.113	2.408	2.725	3.181	3.556
52	0.929	1.243	1.463	1.757	1.986	2.224	2.472	2.815	3.088
53	0.945	1.257	1.461	1.716	1.903	2.087	2.269	2.506	2.684
54	0.903	1.265	1.535	1.913	2.223	2.560	2.925	3.458	3.903
55	0.931	1.300	1.544	1.853	2.083	2.312	2.539	2.840	3.068
56	0.879	1.301	1.623	2.086	2.475	2.904	3.378	4.086	4.690
57	0.856	1.313	1.673	2.209	2.674	3.202	3.801	4.725	5.537
58	0.823	1.395	1.844	2.507	3.079	3.724	4.454	5.571	6.548
59	0.933	1.256	1.488	1.822	2.108	2.431	2.797	3.360	3.856
A1	0.944	1.359	1.614	1.915	2.124	2.320	2.504	2.733	2.894
A2	0.919	1.270	1.514	1.832	2.076	2.326	2.584	2.937	3.214
A3	0.901	1.281	1.570	2.005	2.394	2.850	3.386	4.247	5.037
A4	0.904	1.301	1.586	1.973	2.282	2.608	2.953	3.441	3.837
A5	0.855	1.242	1.571	2.094	2.577	3.156	3.852	4.993	6.062
A6	0.843	1.349	1.740	2.291	2.743	3.229	3.752	4.504	5.122

7-day									
region	2-year	5-year	10-year	25-year	50-year	100-year	200-year	500-year	1,000-year
1	0.918	1.247	1.485	1.812	2.073	2.351	2.646	3.067	3.410
2	0.890	1.272	1.564	1.983	2.336	2.726	3.157	3.801	4.352
3	0.913	1.280	1.542	1.896	2.176	2.471	2.781	3.218	3.570
4	0.945	1.253	1.454	1.705	1.890	2.071	2.251	2.485	2.661

7-day									
region	2-year	5-year	10-year	25-year	50-year	100-year	200-year	500-year	1,000-year
5	0.930	1.263	1.491	1.788	2.015	2.247	2.483	2.805	3.056
6	0.937	1.231	1.435	1.701	1.907	2.117	2.333	2.629	2.861
7	0.914	1.292	1.558	1.912	2.189	2.477	2.777	3.193	3.524
8	0.917	1.289	1.550	1.896	2.165	2.444	2.733	3.133	3.450
9	0.885	1.315	1.636	2.086	2.456	2.856	3.291	3.926	4.455
10	0.921	1.317	1.584	1.927	2.186	2.447	2.711	3.065	3.337
11	0.927	1.271	1.508	1.816	2.053	2.294	2.541	2.877	3.139
12	0.927	1.267	1.501	1.810	2.047	2.291	2.541	2.884	3.152
13	0.939	1.231	1.430	1.690	1.888	2.090	2.296	2.575	2.793
14	0.943	1.223	1.413	1.659	1.845	2.034	2.225	2.483	2.682
15	0.931	1.246	1.465	1.755	1.980	2.211	2.450	2.779	3.038
16	0.938	1.283	1.510	1.795	2.005	2.212	2.417	2.686	2.888
17	0.890	1.314	1.626	2.059	2.411	2.789	3.196	3.784	4.269
18	0.851	1.405	1.818	2.399	2.877	3.396	3.960	4.785	5.475
19	0.938	1.386	1.663	1.990	2.218	2.433	2.636	2.888	3.067
20	0.902	1.345	1.653	2.061	2.377	2.703	3.041	3.506	3.873
21	0.934	1.270	1.496	1.785	2.002	2.221	2.440	2.734	2.959
22	0.939	1.237	1.441	1.704	1.905	2.109	2.316	2.596	2.812
23	0.925	1.266	1.504	1.818	2.061	2.312	2.571	2.928	3.210
24	0.905	1.284	1.559	1.937	2.240	2.562	2.906	3.396	3.797
25	0.943	1.242	1.442	1.696	1.886	2.076	2.266	2.519	2.711
26	0.930	1.253	1.476	1.769	1.995	2.227	2.465	2.792	3.049
27	0.894	1.349	1.672	2.105	2.445	2.801	3.173	3.694	4.111
28	0.853	1.373	1.767	2.330	2.800	3.317	3.886	4.730	5.447
29	0.873	1.317	1.654	2.139	2.546	2.994	3.490	4.229	4.858
30	0.880	1.391	1.753	2.241	2.625	3.028	3.450	4.041	4.516
31	0.890	1.364	1.700	2.152	2.507	2.878	3.267	3.810	4.245
32	0.880	1.322	1.652	2.116	2.500	2.916	3.370	4.034	4.591
33	0.842	1.421	1.854	2.465	2.971	3.521	4.121	5.001	5.741
34	0.911	1.337	1.628	2.007	2.296	2.590	2.890	3.297	3.613
35	0.888	1.279	1.577	2.006	2.367	2.765	3.205	3.862	4.423
36	0.928	1.244	1.466	1.762	1.993	2.233	2.482	2.828	3.103
37	0.936	1.266	1.487	1.769	1.980	2.191	2.403	2.686	2.901
38	0.951	1.227	1.408	1.635	1.802	1.966	2.128	2.341	2.500
39	0.940	1.245	1.451	1.714	1.912	2.111	2.311	2.579	2.784
40	0.872	1.410	1.795	2.316	2.728	3.161	3.618	4.261	4.779
41	0.910	1.274	1.538	1.899	2.189	2.497	2.825	3.293	3.675
42	0.907	1.295	1.573	1.950	2.250	2.566	2.899	3.370	3.750
43	0.907	1.257	1.517	1.882	2.181	2.505	2.857	3.369	3.797
44	0.941	1.241	1.444	1.704	1.900	2.096	2.295	2.561	2.765
45	0.943	1.251	1.455	1.711	1.900	2.088	2.274	2.519	2.704
46	0.908	1.255	1.511	1.869	2.163	2.479	2.821	3.319	3.732
47	0.926	1.276	1.516	1.831	2.073	2.320	2.574	2.919	3.189

7-day									
region	2-year	5-year	10-year	25-year	50-year	100-year	200-year	500-year	1,000-year
48	0.901	1.312	1.607	2.007	2.326	2.661	3.016	3.516	3.921
49	0.909	1.278	1.544	1.909	2.200	2.510	2.838	3.306	3.687
50	0.928	1.266	1.499	1.805	2.041	2.282	2.530	2.868	3.133
51	0.909	1.248	1.501	1.857	2.151	2.469	2.814	3.320	3.742
52	0.933	1.251	1.469	1.754	1.971	2.192	2.419	2.727	2.966
53	0.948	1.257	1.457	1.703	1.881	2.055	2.225	2.444	2.606
54	0.912	1.272	1.531	1.885	2.167	2.466	2.784	3.234	3.600
55	0.924	1.296	1.549	1.876	2.125	2.377	2.633	2.979	3.246
56	0.873	1.303	1.635	2.117	2.526	2.980	3.488	4.252	4.911
57	0.856	1.319	1.683	2.222	2.688	3.215	3.812	4.728	5.531
58	0.811	1.403	1.874	2.576	3.188	3.885	4.681	5.912	7.000
59	0.942	1.260	1.483	1.796	2.059	2.351	2.677	3.169	3.595
A1	0.980	1.387	1.606	1.836	1.979	2.100	2.204	2.320	2.393
A2	0.905	1.248	1.502	1.849	2.127	2.419	2.728	3.164	3.516
A3	0.880	1.274	1.588	2.079	2.534	3.083	3.748	4.854	5.903
A4	0.908	1.301	1.580	1.955	2.252	2.561	2.886	3.341	3.707
A5	0.860	1.232	1.550	2.055	2.523	3.084	3.758	4.866	5.906
A6	0.834	1.342	1.743	2.320	2.799	3.320	3.887	4.710	5.394

10-day									
region	2-year	5-year	10-year	25-year	50-year	100-year	200-year	500-year	1,000-year
1	0.926	1.256	1.488	1.796	2.036	2.284	2.542	2.898	3.181
2	0.900	1.281	1.562	1.956	2.278	2.625	3.000	3.544	3.996
3	0.918	1.289	1.548	1.891	2.157	2.432	2.716	3.109	3.419
4	0.945	1.251	1.452	1.702	1.887	2.068	2.248	2.482	2.658
5	0.934	1.268	1.492	1.780	1.997	2.214	2.434	2.728	2.953
6	0.940	1.236	1.437	1.696	1.893	2.091	2.293	2.564	2.773
7	0.920	1.295	1.554	1.893	2.154	2.421	2.695	3.070	3.363
8	0.924	1.291	1.541	1.867	2.115	2.367	2.624	2.972	3.242
9	0.889	1.327	1.646	2.086	2.442	2.821	3.228	3.810	4.289
10	0.920	1.320	1.591	1.938	2.200	2.464	2.731	3.089	3.364
11	0.927	1.278	1.518	1.830	2.067	2.309	2.555	2.888	3.147
12	0.932	1.269	1.496	1.790	2.011	2.235	2.462	2.766	3.000
13	0.946	1.230	1.420	1.660	1.840	2.019	2.197	2.435	2.615
14	0.952	1.226	1.405	1.629	1.792	1.952	2.110	2.316	2.470
15	0.937	1.249	1.461	1.734	1.941	2.150	2.362	2.647	2.866
16	0.941	1.286	1.509	1.786	1.987	2.184	2.376	2.625	2.810
17	0.898	1.312	1.611	2.019	2.347	2.693	3.061	3.585	4.011
18	0.852	1.404	1.814	2.391	2.865	3.379	3.937	4.752	5.432
19	0.942	1.388	1.658	1.976	2.195	2.399	2.590	2.824	2.989
20	0.909	1.358	1.663	2.057	2.356	2.659	2.966	3.380	3.700
21	0.937	1.273	1.496	1.779	1.988	2.196	2.404	2.679	2.886

10-day									
region	2-year	5-year	10-year	25-year	50-year	100-year	200-year	500-year	1,000-year
22	0.945	1.240	1.436	1.685	1.870	2.053	2.237	2.479	2.663
23	0.918	1.271	1.521	1.855	2.118	2.392	2.678	3.077	3.397
24	0.907	1.293	1.570	1.944	2.242	2.556	2.887	3.355	3.732
25	0.946	1.246	1.443	1.689	1.870	2.049	2.226	2.457	2.631
26	0.929	1.247	1.469	1.765	1.995	2.233	2.481	2.823	3.094
27	0.893	1.355	1.682	2.119	2.463	2.821	3.195	3.717	4.133
28	0.858	1.372	1.759	2.307	2.763	3.260	3.805	4.608	5.285
29	0.878	1.328	1.664	2.138	2.530	2.955	3.419	4.099	4.669
30	0.888	1.399	1.754	2.222	2.584	2.957	3.342	3.872	4.289
31	0.892	1.361	1.693	2.138	2.487	2.851	3.231	3.762	4.187
32	0.880	1.323	1.653	2.118	2.501	2.917	3.370	4.033	4.589
33	0.841	1.423	1.859	2.477	2.988	3.545	4.154	5.048	5.799
34	0.905	1.342	1.644	2.043	2.352	2.669	2.995	3.444	3.797
35	0.890	1.279	1.574	1.996	2.349	2.738	3.166	3.803	4.344
36	0.939	1.248	1.456	1.724	1.926	2.129	2.334	2.609	2.820
37	0.941	1.268	1.483	1.753	1.952	2.148	2.343	2.598	2.790
38	0.949	1.222	1.403	1.631	1.800	1.968	2.135	2.355	2.522
39	0.943	1.243	1.441	1.694	1.882	2.070	2.257	2.505	2.694
40	0.866	1.408	1.800	2.337	2.767	3.224	3.710	4.403	4.967
41	0.913	1.286	1.551	1.905	2.184	2.475	2.780	3.206	3.547
42	0.909	1.297	1.574	1.946	2.240	2.548	2.872	3.326	3.690
43	0.913	1.256	1.507	1.854	2.134	2.433	2.754	3.214	3.592
44	0.942	1.235	1.433	1.688	1.880	2.073	2.269	2.531	2.733
45	0.941	1.253	1.460	1.723	1.919	2.114	2.308	2.566	2.761
46	0.927	1.257	1.487	1.792	2.029	2.274	2.527	2.877	3.153
47	0.923	1.274	1.517	1.838	2.086	2.342	2.605	2.967	3.252
48	0.901	1.311	1.604	2.002	2.318	2.651	3.003	3.500	3.902
49	0.914	1.278	1.537	1.887	2.164	2.454	2.759	3.187	3.532
50	0.935	1.269	1.494	1.781	1.997	2.213	2.430	2.721	2.943
51	0.912	1.246	1.493	1.838	2.119	2.422	2.749	3.224	3.618
52	0.941	1.254	1.463	1.728	1.925	2.122	2.319	2.581	2.779
53	0.948	1.256	1.454	1.699	1.876	2.049	2.218	2.436	2.598
54	0.920	1.277	1.528	1.861	2.120	2.389	2.667	3.053	3.359
55	0.920	1.302	1.564	1.906	2.169	2.436	2.709	3.081	3.371
56	0.871	1.303	1.638	2.126	2.541	3.004	3.522	4.305	4.982
57	0.858	1.319	1.681	2.213	2.671	3.187	3.770	4.660	5.437
58	0.835	1.415	1.856	2.490	3.021	3.607	4.255	5.218	6.040
59	0.939	1.258	1.484	1.804	2.074	2.375	2.713	3.226	3.673
A1	0.999	1.409	1.617	1.822	1.943	2.041	2.121	2.205	2.255
A2	0.906	1.261	1.520	1.869	2.144	2.432	2.734	3.157	3.495
A3	0.899	1.293	1.592	2.040	2.440	2.907	3.455	4.332	5.135
A4	0.911	1.314	1.595	1.965	2.252	2.547	2.852	3.271	3.602
A5	0.869	1.262	1.579	2.062	2.489	2.982	3.552	4.448	5.253



10-day									
region	2-year	5-year	10-year	25-year	50-year	100-year	200-year	500-year	1,000-year
A6	0.841	1.351	1.745	2.304	2.762	3.255	3.785	4.550	5.179

20-day									
region	2-year	5-year	10-year	25-year	50-year	100-year	200-year	500-year	1,000-year
1	0.923	1.243	1.471	1.781	2.028	2.287	2.561	2.947	3.259
2	0.916	1.277	1.532	1.876	2.146	2.429	2.725	3.139	3.471
3	0.927	1.292	1.538	1.855	2.094	2.334	2.577	2.903	3.153
4	0.947	1.258	1.459	1.708	1.888	2.065	2.237	2.460	2.625
5	0.943	1.264	1.473	1.734	1.926	2.114	2.299	2.541	2.721
6	0.952	1.237	1.421	1.649	1.814	1.976	2.134	2.337	2.488
7	0.935	1.305	1.546	1.847	2.066	2.282	2.494	2.771	2.977
8	0.938	1.296	1.528	1.817	2.028	2.235	2.438	2.701	2.897
9	0.897	1.327	1.635	2.052	2.382	2.730	3.098	3.616	4.034
10	0.928	1.324	1.584	1.911	2.152	2.390	2.627	2.936	3.169
11	0.932	1.285	1.521	1.822	2.048	2.275	2.502	2.804	3.035
12	0.946	1.271	1.481	1.739	1.926	2.108	2.285	2.513	2.681
13	0.956	1.233	1.410	1.627	1.782	1.931	2.076	2.261	2.396
14	0.961	1.229	1.395	1.595	1.736	1.870	1.998	2.158	2.273
15	0.945	1.249	1.449	1.699	1.884	2.066	2.246	2.482	2.659
16	0.945	1.293	1.514	1.783	1.975	2.160	2.338	2.565	2.731
17	0.921	1.319	1.588	1.934	2.195	2.457	2.722	3.078	3.351
18	0.860	1.409	1.811	2.367	2.817	3.297	3.812	4.553	5.162
19	0.936	1.400	1.686	2.025	2.261	2.483	2.693	2.954	3.139
20	0.909	1.371	1.683	2.083	2.385	2.688	2.993	3.402	3.716
21	0.954	1.281	1.483	1.724	1.892	2.051	2.201	2.389	2.523
22	0.956	1.244	1.426	1.647	1.804	1.955	2.099	2.283	2.416
23	0.933	1.261	1.485	1.774	1.995	2.217	2.444	2.750	2.987
24	0.909	1.302	1.580	1.952	2.244	2.549	2.868	3.313	3.669
25	0.944	1.252	1.455	1.711	1.901	2.088	2.274	2.518	2.702
26	0.946	1.252	1.452	1.700	1.882	2.060	2.235	2.464	2.634
27	0.889	1.346	1.674	2.121	2.476	2.852	3.249	3.811	4.267
28	0.866	1.377	1.754	2.279	2.707	3.169	3.667	4.388	4.987
29	0.881	1.330	1.663	2.127	2.508	2.918	3.362	4.007	4.544
30	0.896	1.415	1.765	2.216	2.557	2.900	3.247	3.713	4.071
31	0.890	1.363	1.699	2.149	2.504	2.874	3.261	3.803	4.237
32	0.883	1.331	1.662	2.121	2.496	2.898	3.332	3.960	4.481
33	0.847	1.434	1.866	2.469	2.960	3.488	4.057	4.881	5.564
34	0.908	1.353	1.656	2.049	2.348	2.652	2.961	3.379	3.703
35	0.903	1.287	1.567	1.952	2.263	2.595	2.950	3.458	3.876
36	0.953	1.246	1.433	1.661	1.824	1.981	2.134	2.329	2.471
37	0.939	1.266	1.483	1.757	1.960	2.163	2.364	2.631	2.832
38	0.955	1.210	1.377	1.585	1.738	1.888	2.036	2.229	2.373

20-day									
region	2-year	5-year	10-year	25-year	50-year	100-year	200-year	500-year	1,000-year
39	0.948	1.240	1.431	1.670	1.846	2.019	2.190	2.414	2.582
40	0.872	1.417	1.805	2.326	2.738	3.168	3.620	4.253	4.761
41	0.925	1.299	1.551	1.876	2.122	2.369	2.619	2.954	3.212
42	0.921	1.315	1.581	1.924	2.183	2.444	2.708	3.062	3.335
43	0.922	1.273	1.518	1.843	2.095	2.356	2.626	2.999	3.294
44	0.950	1.235	1.421	1.653	1.822	1.989	2.152	2.365	2.524
45	0.952	1.255	1.448	1.682	1.849	2.010	2.166	2.364	2.508
46	0.932	1.242	1.458	1.742	1.962	2.188	2.421	2.742	2.994
47	0.942	1.279	1.497	1.768	1.965	2.157	2.346	2.590	2.771
48	0.921	1.305	1.566	1.905	2.162	2.423	2.689	3.048	3.326
49	0.926	1.276	1.516	1.830	2.069	2.314	2.564	2.904	3.169
50	0.948	1.263	1.465	1.713	1.891	2.065	2.233	2.450	2.610
51	0.919	1.254	1.494	1.820	2.080	2.354	2.644	3.054	3.386
52	0.952	1.259	1.454	1.691	1.861	2.024	2.182	2.383	2.529
53	0.961	1.265	1.449	1.665	1.814	1.952	2.082	2.241	2.352
54	0.922	1.286	1.538	1.868	2.122	2.382	2.649	3.014	3.300
55	0.928	1.305	1.556	1.875	2.114	2.352	2.590	2.907	3.147
56	0.891	1.303	1.608	2.034	2.381	2.757	3.162	3.751	4.241
57	0.887	1.332	1.656	2.103	2.464	2.848	3.260	3.850	4.334
58	0.837	1.410	1.847	2.472	2.996	3.573	4.210	5.158	5.965
59	0.956	1.257	1.462	1.740	1.967	2.213	2.481	2.874	3.204
A1	0.969	1.411	1.657	1.923	2.092	2.240	2.370	2.518	2.614
A2	0.951	1.246	1.434	1.666	1.835	2.001	2.166	2.385	2.551
A3	0.923	1.295	1.563	1.948	2.277	2.649	3.071	3.720	4.292
A4	0.929	1.311	1.564	1.885	2.122	2.358	2.594	2.904	3.139
A5	0.881	1.264	1.565	2.011	2.396	2.830	3.323	4.077	4.739
A6	0.844	1.421	1.804	2.250	2.546	2.811	3.049	3.325	3.508

30-day									
region	2-year	5-year	10-year	25-year	50-year	100-year	200-year	500-year	1,000-year
1	0.930	1.240	1.457	1.746	1.972	2.205	2.448	2.785	3.052
2	0.926	1.277	1.518	1.834	2.076	2.323	2.576	2.921	3.191
3	0.928	1.293	1.538	1.852	2.088	2.326	2.565	2.886	3.131
4	0.943	1.255	1.462	1.721	1.913	2.103	2.292	2.541	2.728
5	0.947	1.252	1.450	1.698	1.879	2.056	2.231	2.458	2.627
6	0.951	1.231	1.415	1.643	1.811	1.975	2.137	2.348	2.505
7	0.942	1.302	1.532	1.813	2.016	2.211	2.400	2.642	2.819
8	0.937	1.298	1.534	1.828	2.043	2.254	2.462	2.733	2.935
9	0.900	1.328	1.631	2.040	2.362	2.699	3.053	3.548	3.945
10	0.930	1.325	1.583	1.906	2.142	2.375	2.605	2.905	3.129
11	0.939	1.281	1.506	1.787	1.994	2.198	2.399	2.663	2.860
12	0.944	1.269	1.480	1.741	1.931	2.117	2.299	2.535	2.710

30-day									
region	2-year	5-year	10-year	25-year	50-year	100-year	200-year	500-year	1,000-year
13	0.951	1.229	1.411	1.637	1.804	1.967	2.129	2.339	2.497
14	0.962	1.223	1.385	1.579	1.716	1.845	1.968	2.122	2.232
15	0.952	1.246	1.434	1.664	1.829	1.989	2.145	2.344	2.490
16	0.942	1.297	1.524	1.802	2.002	2.196	2.384	2.626	2.803
17	0.925	1.322	1.585	1.918	2.166	2.413	2.660	2.986	3.234
18	0.862	1.414	1.815	2.364	2.806	3.275	3.775	4.488	5.071
19	0.923	1.413	1.725	2.104	2.376	2.637	2.890	3.211	3.445
20	0.912	1.383	1.696	2.092	2.387	2.679	2.971	3.357	3.649
21	0.948	1.283	1.494	1.750	1.932	2.107	2.275	2.489	2.644
22	0.958	1.243	1.422	1.637	1.789	1.934	2.073	2.247	2.373
23	0.940	1.266	1.482	1.754	1.956	2.156	2.355	2.617	2.814
24	0.920	1.294	1.553	1.892	2.154	2.422	2.697	3.073	3.368
25	0.951	1.250	1.442	1.677	1.847	2.012	2.173	2.379	2.531
26	0.949	1.245	1.438	1.677	1.852	2.023	2.191	2.408	2.570
27	0.885	1.354	1.692	2.154	2.524	2.914	3.329	3.918	4.397
28	0.871	1.381	1.754	2.267	2.681	3.122	3.594	4.271	4.826
29	0.885	1.344	1.678	2.135	2.504	2.895	3.313	3.909	4.397
30	0.898	1.419	1.769	2.218	2.555	2.894	3.236	3.692	4.042
31	0.893	1.374	1.710	2.154	2.499	2.855	3.224	3.733	4.136
32	0.887	1.332	1.657	2.104	2.465	2.849	3.261	3.850	4.334
33	0.852	1.440	1.868	2.458	2.933	3.440	3.981	4.756	5.391
34	0.915	1.366	1.665	2.045	2.327	2.609	2.890	3.262	3.544
35	0.912	1.297	1.569	1.932	2.217	2.514	2.824	3.256	3.600
36	0.957	1.245	1.426	1.643	1.797	1.943	2.083	2.260	2.387
37	0.945	1.269	1.479	1.739	1.928	2.112	2.293	2.526	2.699
38	0.961	1.210	1.369	1.561	1.698	1.831	1.958	2.121	2.239
39	0.955	1.240	1.420	1.640	1.798	1.949	2.095	2.282	2.417
40	0.890	1.420	1.782	2.254	2.615	2.981	3.355	3.863	4.258
41	0.931	1.307	1.555	1.867	2.099	2.328	2.556	2.856	3.082
42	0.921	1.313	1.578	1.920	2.179	2.439	2.703	3.058	3.331
43	0.924	1.268	1.508	1.826	2.072	2.327	2.590	2.952	3.239
44	0.958	1.238	1.413	1.625	1.774	1.917	2.054	2.227	2.352
45	0.958	1.254	1.437	1.656	1.809	1.954	2.092	2.264	2.387
46	0.945	1.250	1.451	1.703	1.889	2.072	2.254	2.493	2.672
47	0.955	1.277	1.477	1.715	1.881	2.039	2.188	2.373	2.506
48	0.932	1.302	1.547	1.856	2.084	2.311	2.537	2.834	3.058
49	0.932	1.276	1.508	1.804	2.027	2.251	2.477	2.778	3.010
50	0.954	1.263	1.457	1.690	1.856	2.013	2.164	2.355	2.492
51	0.931	1.250	1.471	1.762	1.986	2.216	2.452	2.777	3.031
52	0.960	1.259	1.443	1.660	1.810	1.951	2.084	2.249	2.365
53	0.965	1.262	1.441	1.647	1.787	1.916	2.036	2.181	2.282
54	0.940	1.291	1.519	1.800	2.005	2.205	2.400	2.654	2.841
55	0.935	1.306	1.548	1.849	2.069	2.284	2.496	2.772	2.977

30-day									
region	2-year	5-year	10-year	25-year	50-year	100-year	200-year	500-year	1,000-year
56	0.896	1.299	1.595	2.004	2.336	2.692	3.074	3.625	4.080
57	0.900	1.328	1.633	2.042	2.366	2.704	3.059	3.556	3.955
58	0.849	1.422	1.844	2.435	2.917	3.437	4.000	4.815	5.493
59	0.964	1.255	1.447	1.703	1.907	2.125	2.359	2.695	2.973
A1	0.976	1.425	1.668	1.926	2.087	2.225	2.344	2.477	2.562
A2	0.957	1.260	1.447	1.673	1.834	1.991	2.144	2.345	2.495
A3	0.941	1.296	1.541	1.881	2.162	2.471	2.811	3.319	3.751
A4	0.930	1.294	1.537	1.846	2.077	2.308	2.539	2.847	3.081
A5	0.887	1.270	1.565	1.994	2.358	2.763	3.215	3.895	4.481
A6	0.857	1.423	1.785	2.189	2.447	2.671	2.864	3.079	3.217

45-day									
region	2-year	5-year	10-year	25-year	50-year	100-year	200-year	500-year	1,000-year
1	0.934	1.246	1.460	1.741	1.957	2.177	2.403	2.711	2.952
2	0.931	1.277	1.511	1.812	2.040	2.268	2.500	2.810	3.049
3	0.932	1.296	1.537	1.843	2.070	2.295	2.521	2.818	3.043
4	0.946	1.256	1.458	1.710	1.893	2.073	2.250	2.480	2.651
5	0.951	1.251	1.443	1.678	1.846	2.009	2.168	2.370	2.519
6	0.960	1.230	1.399	1.601	1.744	1.880	2.010	2.173	2.290
7	0.941	1.308	1.541	1.826	2.030	2.227	2.418	2.661	2.839
8	0.941	1.306	1.540	1.826	2.031	2.230	2.423	2.670	2.851
9	0.909	1.333	1.625	2.009	2.304	2.606	2.916	3.340	3.672
10	0.930	1.332	1.593	1.919	2.157	2.390	2.619	2.917	3.139
11	0.944	1.279	1.494	1.761	1.954	2.141	2.325	2.561	2.736
12	0.952	1.268	1.467	1.708	1.878	2.041	2.197	2.394	2.537
13	0.957	1.226	1.396	1.604	1.753	1.896	2.035	2.212	2.341
14	0.961	1.219	1.381	1.577	1.716	1.849	1.976	2.136	2.252
15	0.956	1.247	1.429	1.648	1.804	1.952	2.094	2.273	2.402
16	0.939	1.304	1.540	1.829	2.039	2.243	2.442	2.698	2.887
17	0.920	1.325	1.597	1.947	2.211	2.476	2.744	3.102	3.377
18	0.850	1.424	1.848	2.438	2.918	3.436	3.994	4.802	5.472
19	0.909	1.418	1.752	2.169	2.475	2.776	3.075	3.464	3.756
20	0.912	1.384	1.697	2.094	2.388	2.680	2.972	3.357	3.648
21	0.944	1.284	1.502	1.770	1.964	2.152	2.335	2.571	2.744
22	0.961	1.245	1.420	1.627	1.771	1.908	2.036	2.196	2.310
23	0.930	1.268	1.499	1.799	2.028	2.260	2.496	2.816	3.065
24	0.921	1.293	1.549	1.884	2.141	2.403	2.671	3.038	3.324
25	0.951	1.251	1.443	1.678	1.848	2.013	2.173	2.378	2.529
26	0.953	1.246	1.433	1.662	1.827	1.986	2.141	2.339	2.483
27	0.884	1.365	1.710	2.177	2.550	2.941	3.356	3.940	4.413
28	0.848	1.368	1.767	2.344	2.831	3.372	3.974	4.876	5.651
29	0.891	1.365	1.699	2.145	2.495	2.859	3.239	3.768	4.190

45-day									
region	2-year	5-year	10-year	25-year	50-year	100-year	200-year	500-year	1,000-year
30	0.874	1.422	1.808	2.325	2.731	3.152	3.592	4.206	4.695
31	0.877	1.372	1.730	2.220	2.613	3.030	3.473	4.105	4.620
32	0.883	1.343	1.679	2.143	2.518	2.919	3.349	3.966	4.473
33	0.859	1.450	1.874	2.447	2.901	3.379	3.883	4.593	5.166
34	0.912	1.374	1.682	2.075	2.368	2.660	2.954	3.343	3.639
35	0.912	1.297	1.568	1.929	2.212	2.505	2.811	3.235	3.573
36	0.954	1.243	1.427	1.651	1.812	1.966	2.116	2.308	2.447
37	0.949	1.272	1.477	1.727	1.906	2.078	2.245	2.458	2.613
38	0.960	1.212	1.372	1.568	1.709	1.844	1.976	2.143	2.266
39	0.960	1.237	1.410	1.616	1.760	1.897	2.028	2.191	2.307
40	0.889	1.426	1.793	2.269	2.632	3.001	3.377	3.887	4.283
41	0.930	1.322	1.579	1.902	2.139	2.373	2.605	2.908	3.135
42	0.927	1.321	1.580	1.908	2.151	2.392	2.631	2.946	3.185
43	0.931	1.272	1.502	1.800	2.025	2.252	2.482	2.792	3.030
44	0.965	1.237	1.402	1.596	1.730	1.854	1.971	2.114	2.215
45	0.966	1.251	1.421	1.619	1.752	1.876	1.990	2.129	2.225
46	0.953	1.245	1.432	1.660	1.823	1.982	2.135	2.331	2.474
47	0.964	1.279	1.466	1.682	1.828	1.962	2.086	2.234	2.337
48	0.932	1.300	1.542	1.849	2.076	2.301	2.524	2.819	3.042
49	0.932	1.272	1.502	1.798	2.022	2.247	2.475	2.781	3.017
50	0.959	1.258	1.443	1.662	1.814	1.958	2.094	2.262	2.382
51	0.946	1.257	1.461	1.713	1.898	2.079	2.257	2.489	2.662
52	0.967	1.256	1.428	1.624	1.757	1.879	1.991	2.126	2.219
53	0.970	1.260	1.429	1.620	1.748	1.863	1.969	2.093	2.178
54	0.947	1.297	1.518	1.784	1.972	2.152	2.325	2.544	2.701
55	0.943	1.305	1.535	1.815	2.015	2.208	2.394	2.632	2.805
56	0.900	1.312	1.608	2.011	2.332	2.671	3.031	3.540	3.953
57	0.907	1.322	1.613	2.000	2.302	2.615	2.940	3.390	3.747
58	0.834	1.412	1.853	2.488	3.021	3.609	4.261	5.233	6.063
59	0.969	1.251	1.434	1.677	1.869	2.071	2.287	2.594	2.845
A1	0.967	1.433	1.694	1.976	2.157	2.314	2.453	2.611	2.715
A2	0.960	1.260	1.444	1.664	1.820	1.971	2.118	2.309	2.452
A3	0.945	1.325	1.561	1.843	2.041	2.229	2.408	2.632	2.792
A4	0.946	1.299	1.522	1.790	1.981	2.164	2.340	2.562	2.723
A5	0.891	1.275	1.567	1.986	2.337	2.722	3.149	3.782	4.321
A6	0.880	1.430	1.754	2.089	2.287	2.446	2.575	2.709	2.788

60-day									
region	2-year	5-year	10-year	25-year	50-year	100-year	200-year	500-year	1,000-year
1	0.944	1.252	1.456	1.711	1.899	2.086	2.271	2.514	2.696
2	0.935	1.277	1.505	1.794	2.010	2.225	2.440	2.724	2.941
3	0.943	1.309	1.540	1.820	2.020	2.212	2.396	2.630	2.801

60-day									
region	2-year	5-year	10-year	25-year	50-year	100-year	200-year	500-year	1,000-year
4	0.946	1.259	1.462	1.715	1.899	2.079	2.255	2.485	2.655
5	0.952	1.253	1.444	1.678	1.845	2.007	2.163	2.362	2.508
6	0.967	1.228	1.387	1.572	1.700	1.819	1.930	2.066	2.162
7	0.946	1.308	1.534	1.807	1.999	2.182	2.358	2.578	2.737
8	0.949	1.318	1.547	1.818	2.007	2.185	2.354	2.563	2.712
9	0.920	1.351	1.636	1.997	2.264	2.529	2.793	3.142	3.405
10	0.929	1.333	1.595	1.922	2.161	2.396	2.627	2.928	3.152
11	0.944	1.278	1.494	1.761	1.954	2.142	2.327	2.564	2.740
12	0.952	1.268	1.468	1.709	1.880	2.044	2.201	2.400	2.544
13	0.961	1.229	1.395	1.593	1.733	1.865	1.991	2.149	2.262
14	0.964	1.222	1.382	1.572	1.704	1.829	1.947	2.095	2.200
15	0.965	1.247	1.417	1.615	1.750	1.876	1.992	2.134	2.233
16	0.941	1.314	1.551	1.840	2.046	2.244	2.436	2.680	2.858
17	0.928	1.338	1.606	1.941	2.186	2.427	2.664	2.974	3.205
18	0.840	1.423	1.861	2.479	2.991	3.549	4.159	5.054	5.807
19	0.900	1.426	1.777	2.223	2.557	2.890	3.223	3.665	4.002
20	0.900	1.391	1.724	2.155	2.482	2.813	3.149	3.603	3.953
21	0.948	1.287	1.501	1.760	1.945	2.121	2.291	2.506	2.662
22	0.965	1.251	1.423	1.624	1.761	1.887	2.005	2.149	2.249
23	0.928	1.272	1.508	1.815	2.050	2.290	2.535	2.868	3.127
24	0.923	1.293	1.546	1.874	2.125	2.380	2.640	2.993	3.267
25	0.952	1.254	1.447	1.683	1.852	2.015	2.173	2.374	2.521
26	0.959	1.241	1.416	1.626	1.773	1.914	2.047	2.214	2.334
27	0.891	1.367	1.702	2.151	2.503	2.868	3.250	3.781	4.204
28	0.858	1.369	1.753	2.300	2.755	3.253	3.799	4.605	5.286
29	0.893	1.362	1.692	2.133	2.479	2.838	3.213	3.734	4.150
30	0.871	1.414	1.802	2.324	2.738	3.172	3.629	4.271	4.787
31	0.881	1.371	1.723	2.203	2.586	2.990	3.419	4.025	4.517
32	0.885	1.344	1.677	2.135	2.503	2.894	3.312	3.908	4.396
33	0.855	1.454	1.884	2.468	2.932	3.422	3.939	4.671	5.263
34	0.912	1.377	1.687	2.081	2.374	2.667	2.960	3.349	3.644
35	0.918	1.295	1.557	1.901	2.167	2.440	2.722	3.109	3.413
36	0.962	1.243	1.416	1.621	1.763	1.896	2.022	2.177	2.287
37	0.953	1.271	1.470	1.709	1.878	2.039	2.193	2.387	2.527
38	0.962	1.208	1.363	1.551	1.685	1.813	1.937	2.093	2.207
39	0.963	1.237	1.405	1.603	1.740	1.868	1.989	2.138	2.244
40	0.894	1.430	1.791	2.254	2.602	2.953	3.306	3.780	4.142
41	0.927	1.329	1.594	1.927	2.172	2.415	2.656	2.972	3.209
42	0.932	1.325	1.581	1.898	2.130	2.357	2.580	2.870	3.085
43	0.938	1.267	1.485	1.762	1.968	2.172	2.376	2.646	2.851
44	0.968	1.241	1.404	1.592	1.719	1.836	1.944	2.074	2.164
45	0.968	1.253	1.423	1.617	1.749	1.869	1.980	2.113	2.205
46	0.956	1.237	1.416	1.632	1.786	1.934	2.077	2.258	2.390

60-day									
region	2-year	5-year	10-year	25-year	50-year	100-year	200-year	500-year	1,000-year
47	0.970	1.276	1.455	1.656	1.789	1.909	2.018	2.146	2.233
48	0.943	1.299	1.526	1.804	2.003	2.196	2.383	2.621	2.796
49	0.941	1.270	1.485	1.756	1.954	2.150	2.344	2.598	2.789
50	0.963	1.258	1.437	1.644	1.787	1.919	2.042	2.192	2.297
51	0.945	1.258	1.462	1.716	1.902	2.085	2.266	2.500	2.676
52	0.970	1.255	1.422	1.611	1.737	1.852	1.957	2.081	2.166
53	0.974	1.260	1.423	1.605	1.723	1.829	1.924	2.035	2.109
54	0.954	1.292	1.500	1.746	1.918	2.079	2.232	2.421	2.556
55	0.948	1.309	1.534	1.802	1.989	2.167	2.337	2.548	2.699
56	0.910	1.314	1.597	1.972	2.265	2.567	2.881	3.314	3.658
57	0.903	1.327	1.627	2.028	2.342	2.669	3.010	3.485	3.864
58	0.840	1.399	1.825	2.437	2.949	3.515	4.140	5.071	5.864
59	0.972	1.251	1.431	1.667	1.853	2.047	2.253	2.544	2.780
A1	0.975	1.436	1.687	1.953	2.119	2.262	2.385	2.523	2.610
A2	0.960	1.270	1.457	1.680	1.838	1.990	2.137	2.328	2.471
A3	0.935	1.334	1.589	1.902	2.127	2.345	2.557	2.828	3.027
A4	0.954	1.305	1.519	1.772	1.946	2.109	2.262	2.451	2.584
A5	0.907	1.280	1.549	1.919	2.217	2.532	2.868	3.348	3.739
A6	0.886	1.426	1.739	2.057	2.241	2.387	2.504	2.622	2.691

Table A.10.2. Regional growth factors for hourly regions analyses for each duration 60-minute to 24-hour.

60-minute									
region	2-year	5-year	10-year	25-year	50-year	100-year	200-year	500-year	1,000-year
1	0.848	1.254	1.599	2.147	2.653	3.260	3.988	5.182	6.300
2	0.863	1.283	1.620	2.126	2.571	3.081	3.668	4.581	5.394
3	0.852	1.294	1.652	2.198	2.682	3.242	3.892	4.915	5.835
4	0.853	1.295	1.653	2.196	2.676	3.231	3.873	4.881	5.786
5	0.862	1.272	1.605	2.111	2.561	3.081	3.684	4.634	5.489
6	0.855	1.286	1.637	2.171	2.646	3.196	3.835	4.842	5.751
7	0.849	1.340	1.725	2.292	2.781	3.331	3.953	4.903	5.734
8	0.890	1.315	1.627	2.060	2.411	2.789	3.194	3.779	4.263
9	0.888	1.315	1.629	2.068	2.426	2.811	3.227	3.829	4.328
10E	0.920	1.360	1.650	2.015	2.285	2.552	2.817	3.165	3.427
10W	0.794	1.409	1.908	2.667	3.340	4.119	5.022	6.442	7.721
11	0.901	1.330	1.633	2.038	2.356	2.687	3.032	3.514	3.899
12	0.924	1.317	1.580	1.915	2.165	2.415	2.666	3.000	3.255
13	0.917	1.341	1.626	1.991	2.266	2.542	2.821	3.193	3.478
14	0.917	1.332	1.612	1.974	2.247	2.522	2.800	3.175	3.463
15	0.906	1.281	1.553	1.927	2.228	2.547	2.888	3.375	3.774
16	0.889	1.200	1.459	1.862	2.228	2.659	3.168	3.987	4.741

<b>60-minute</b>									
<b>region</b>	<b>2-year</b>	<b>5-year</b>	<b>10-year</b>	<b>25-year</b>	<b>50-year</b>	<b>100-year</b>	<b>200-year</b>	<b>500-year</b>	<b>1,000-year</b>
17	0.836	1.230	1.581	2.161	2.720	3.412	4.271	5.736	7.163
18	0.866	1.308	1.653	2.159	2.592	3.079	3.627	4.460	5.184
19	0.887	1.306	1.618	2.057	2.419	2.812	3.239	3.864	4.387
20	0.900	1.248	1.514	1.897	2.219	2.576	2.971	3.562	4.068
21	0.861	1.294	1.640	2.158	2.610	3.126	3.717	4.632	5.444
22	0.914	1.271	1.527	1.874	2.150	2.441	2.749	3.183	3.534
23	0.863	1.257	1.582	2.083	2.534	3.062	3.680	4.667	5.567
24	0.884	1.237	1.521	1.949	2.327	2.761	3.261	4.042	4.741

<b>120-minute</b>									
<b>region</b>	<b>2-year</b>	<b>5-year</b>	<b>10-year</b>	<b>25-year</b>	<b>50-year</b>	<b>100-year</b>	<b>200-year</b>	<b>500-year</b>	<b>1,000-year</b>
1	0.891	1.258	1.542	1.955	2.307	2.699	3.137	3.799	4.370
2	0.883	1.252	1.545	1.982	2.363	2.795	3.289	4.050	4.722
3	0.877	1.288	1.607	2.070	2.465	2.906	3.399	4.145	4.789
4	0.881	1.269	1.574	2.022	2.407	2.841	3.331	4.079	4.731
5	0.870	1.236	1.541	2.015	2.444	2.950	3.547	4.507	5.390
6	0.875	1.254	1.560	2.021	2.428	2.896	3.435	4.278	5.033
7	0.867	1.327	1.679	2.186	2.614	3.087	3.612	4.397	5.069
8	0.896	1.290	1.581	1.988	2.321	2.679	3.068	3.632	4.100
9	0.895	1.293	1.587	1.999	2.337	2.701	3.095	3.668	4.145
10E	0.898	1.324	1.628	2.041	2.368	2.712	3.075	3.587	4.000
10W	0.819	1.409	1.870	2.550	3.133	3.790	4.531	5.661	6.647
11	0.905	1.311	1.598	1.985	2.290	2.609	2.944	3.412	3.787
12	0.918	1.294	1.555	1.898	2.162	2.434	2.714	3.099	3.401
13	0.914	1.321	1.600	1.964	2.244	2.529	2.820	3.217	3.527
14	0.911	1.322	1.607	1.982	2.271	2.569	2.875	3.296	3.626
15	0.920	1.271	1.518	1.849	2.108	2.378	2.659	3.050	3.362
16	0.930	1.200	1.398	1.672	1.896	2.135	2.392	2.764	3.070
17	0.891	1.229	1.498	1.902	2.256	2.659	3.122	3.840	4.478
18	0.902	1.287	1.568	1.957	2.272	2.608	2.968	3.486	3.912
19	0.908	1.280	1.549	1.919	2.215	2.530	2.865	3.343	3.734
20	0.917	1.228	1.458	1.782	2.047	2.333	2.644	3.096	3.474
21	0.878	1.257	1.560	2.012	2.407	2.858	3.373	4.172	4.881
22	0.933	1.266	1.491	1.781	2.001	2.222	2.447	2.749	2.982
23	0.885	1.221	1.495	1.915	2.291	2.728	3.237	4.044	4.776
24	0.901	1.227	1.482	1.855	2.174	2.533	2.937	3.551	4.084

<b>3-hour</b>									
<b>region</b>	<b>2-year</b>	<b>5-year</b>	<b>10-year</b>	<b>25-year</b>	<b>50-year</b>	<b>100-year</b>	<b>200-year</b>	<b>500-year</b>	<b>1,000-year</b>
1	0.922	1.276	1.522	1.848	2.102	2.363	2.633	3.005	3.299
2	0.897	1.243	1.512	1.903	2.236	2.607	3.023	3.652	4.195
3	0.888	1.296	1.602	2.035	2.393	2.784	3.211	3.838	4.365



<b>3-hour</b>									
<b>region</b>	<b>2-year</b>	<b>5-year</b>	<b>10-year</b>	<b>25-year</b>	<b>50-year</b>	<b>100-year</b>	<b>200-year</b>	<b>500-year</b>	<b>1,000-year</b>
4	0.897	1.266	1.545	1.943	2.274	2.637	3.037	3.627	4.127
5	0.886	1.239	1.522	1.946	2.318	2.743	3.231	3.988	4.662
6	0.897	1.257	1.531	1.924	2.253	2.616	3.016	3.613	4.121
7	0.882	1.329	1.661	2.124	2.503	2.912	3.355	3.999	4.534
8	0.907	1.273	1.540	1.909	2.206	2.524	2.864	3.351	3.751
9	0.906	1.282	1.555	1.930	2.231	2.551	2.893	3.381	3.780
10E	0.888	1.297	1.604	2.038	2.398	2.789	3.218	3.847	4.376
10W	0.837	1.412	1.848	2.472	2.994	3.568	4.201	5.141	5.940
11	0.903	1.284	1.563	1.949	2.261	2.594	2.952	3.466	3.889
12	0.918	1.279	1.533	1.873	2.138	2.414	2.702	3.101	3.420
13	0.917	1.307	1.575	1.926	2.195	2.469	2.750	3.134	3.433
14	0.910	1.313	1.595	1.969	2.260	2.560	2.872	3.302	3.643
15	0.926	1.272	1.511	1.825	2.067	2.315	2.570	2.918	3.191
16	0.943	1.202	1.383	1.622	1.807	1.997	2.194	2.465	2.679
17	0.921	1.226	1.450	1.762	2.015	2.287	2.579	3.001	3.350
18	0.922	1.268	1.512	1.835	2.088	2.349	2.621	2.998	3.298
19	0.922	1.281	1.529	1.856	2.108	2.367	2.634	3.000	3.287
20	0.921	1.220	1.442	1.752	2.006	2.281	2.578	3.011	3.371
21	0.899	1.248	1.514	1.898	2.222	2.579	2.975	3.568	4.074
22	0.938	1.268	1.488	1.766	1.974	2.180	2.386	2.659	2.866
23	0.909	1.205	1.436	1.776	2.069	2.398	2.769	3.336	3.831
24	0.913	1.234	1.473	1.811	2.090	2.394	2.724	3.208	3.615

<b>6-hour</b>									
<b>region</b>	<b>2-year</b>	<b>5-year</b>	<b>10-year</b>	<b>25-year</b>	<b>50-year</b>	<b>100-year</b>	<b>200-year</b>	<b>500-year</b>	<b>1,000-year</b>
1	0.933	1.290	1.527	1.827	2.050	2.272	2.494	2.786	3.008
2	0.912	1.238	1.481	1.822	2.102	2.407	2.738	3.222	3.626
3	0.893	1.293	1.591	2.009	2.352	2.724	3.128	3.717	4.208
4	0.914	1.265	1.517	1.862	2.137	2.429	2.738	3.177	3.533
5	0.918	1.239	1.474	1.799	2.062	2.344	2.647	3.082	3.440
6	0.924	1.248	1.479	1.790	2.036	2.293	2.564	2.944	3.249
7	0.887	1.331	1.656	2.104	2.467	2.854	3.269	3.865	4.355
8	0.918	1.246	1.484	1.811	2.074	2.352	2.650	3.074	3.420
9	0.909	1.261	1.519	1.877	2.168	2.480	2.816	3.300	3.699
10E	0.893	1.286	1.581	1.995	2.338	2.710	3.116	3.710	4.208
10W	0.863	1.413	1.812	2.360	2.801	3.269	3.767	4.479	5.061
11	0.914	1.266	1.520	1.865	2.141	2.433	2.742	3.180	3.536
12	0.915	1.269	1.522	1.867	2.141	2.429	2.734	3.165	3.513
13	0.927	1.296	1.544	1.863	2.102	2.343	2.586	2.911	3.160
14	0.910	1.302	1.579	1.948	2.238	2.539	2.853	3.290	3.639
15	0.933	1.285	1.520	1.818	2.041	2.263	2.485	2.779	3.003
16	0.957	1.208	1.370	1.571	1.717	1.860	2.000	2.180	2.314

6-hour									
region	2-year	5-year	10-year	25-year	50-year	100-year	200-year	500-year	1,000-year
17	0.957	1.245	1.426	1.643	1.796	1.942	2.082	2.258	2.384
18	0.945	1.249	1.450	1.701	1.886	2.070	2.251	2.489	2.668
19	0.931	1.276	1.509	1.808	2.033	2.260	2.490	2.798	3.035
20	0.926	1.231	1.452	1.751	1.990	2.243	2.510	2.889	3.196
21	0.926	1.234	1.454	1.752	1.989	2.238	2.501	2.871	3.171
22	0.942	1.282	1.502	1.774	1.972	2.165	2.354	2.599	2.781
23	0.935	1.199	1.390	1.652	1.862	2.085	2.322	2.659	2.934
24	0.923	1.257	1.493	1.809	2.057	2.316	2.586	2.963	3.264

12-hour									
region	2-year	5-year	10-year	25-year	50-year	100-year	200-year	500-year	1,000-year
1	0.920	1.296	1.555	1.895	2.156	2.424	2.698	3.074	3.368
2	0.924	1.238	1.463	1.768	2.011	2.267	2.538	2.921	3.231
3	0.901	1.314	1.609	2.009	2.327	2.660	3.012	3.508	3.908
4	0.923	1.280	1.527	1.851	2.102	2.358	2.622	2.984	3.268
5	0.926	1.223	1.437	1.731	1.967	2.217	2.484	2.863	3.173
6	0.942	1.259	1.467	1.729	1.923	2.114	2.305	2.554	2.742
7	0.901	1.347	1.658	2.070	2.389	2.718	3.059	3.528	3.899
8	0.936	1.247	1.459	1.735	1.945	2.157	2.374	2.667	2.894
9	0.920	1.248	1.484	1.804	2.060	2.329	2.614	3.018	3.345
10E	0.898	1.289	1.578	1.980	2.308	2.660	3.041	3.591	4.048
10W	0.878	1.421	1.801	2.307	2.702	3.111	3.536	4.124	4.591
11	0.921	1.261	1.502	1.826	2.081	2.347	2.626	3.016	3.328
12	0.920	1.266	1.510	1.837	2.093	2.361	2.640	3.029	3.340
13	0.934	1.290	1.526	1.822	2.042	2.260	2.477	2.762	2.978
14	0.912	1.298	1.570	1.933	2.218	2.513	2.822	3.251	3.592
15	0.935	1.308	1.551	1.853	2.074	2.290	2.503	2.780	2.986
16	0.951	1.223	1.402	1.625	1.788	1.950	2.109	2.318	2.474
17	0.946	1.259	1.463	1.716	1.901	2.082	2.259	2.490	2.662
18	0.974	1.239	1.393	1.565	1.678	1.780	1.873	1.981	2.055
19	0.936	1.267	1.489	1.772	1.984	2.197	2.411	2.696	2.913
20	0.923	1.250	1.482	1.795	2.043	2.302	2.575	2.958	3.265
21	0.941	1.228	1.425	1.679	1.872	2.069	2.269	2.539	2.749
22	0.925	1.300	1.554	1.882	2.129	2.379	2.633	2.973	3.235
23	0.938	1.204	1.392	1.644	1.842	2.049	2.266	2.569	2.811
24	0.918	1.274	1.525	1.862	2.128	2.404	2.693	3.097	3.419

24-hour									
region	2-year	5-year	10-year	25-year	50-year	100-year	200-year	500-year	1,000-year
1	0.897	1.290	1.581	1.985	2.315	2.671	3.054	3.610	4.070
2	0.933	1.233	1.443	1.722	1.940	2.165	2.400	2.724	2.981
3	0.901	1.329	1.632	2.038	2.358	2.691	3.040	3.528	3.918

<b>24-hour</b>									
<b>region</b>	<b>2-year</b>	<b>5-year</b>	<b>10-year</b>	<b>25-year</b>	<b>50-year</b>	<b>100-year</b>	<b>200-year</b>	<b>500-year</b>	<b>1,000-year</b>
4	0.926	1.293	1.541	1.862	2.105	2.351	2.600	2.936	3.195
5	0.927	1.236	1.456	1.753	1.987	2.233	2.491	2.853	3.144
6	0.942	1.276	1.494	1.765	1.963	2.156	2.347	2.595	2.780
7	0.905	1.357	1.667	2.072	2.382	2.699	3.023	3.464	3.808
8	0.929	1.263	1.492	1.792	2.022	2.257	2.497	2.826	3.082
9	0.933	1.254	1.474	1.760	1.979	2.202	2.429	2.739	2.980
10E	0.901	1.293	1.579	1.973	2.292	2.632	2.996	3.518	3.946
10W	0.877	1.418	1.799	2.307	2.704	3.117	3.546	4.143	4.618
11	0.911	1.264	1.521	1.874	2.158	2.461	2.785	3.248	3.627
12	0.930	1.273	1.506	1.807	2.036	2.267	2.502	2.819	3.064
13	0.936	1.284	1.514	1.804	2.019	2.232	2.443	2.723	2.933
14	0.910	1.298	1.573	1.942	2.233	2.536	2.853	3.296	3.651
15	0.927	1.327	1.592	1.925	2.171	2.414	2.656	2.974	3.214
16	0.943	1.251	1.455	1.711	1.901	2.090	2.277	2.524	2.710
17	0.924	1.276	1.518	1.838	2.084	2.336	2.596	2.951	3.230
18	0.963	1.230	1.396	1.592	1.729	1.858	1.980	2.131	2.239
19	0.953	1.278	1.480	1.721	1.891	2.051	2.204	2.394	2.531
20	0.914	1.261	1.512	1.857	2.134	2.427	2.740	3.187	3.551
21	0.944	1.228	1.420	1.665	1.850	2.036	2.223	2.474	2.667
22	0.910	1.320	1.605	1.981	2.273	2.573	2.883	3.310	3.646
23	0.955	1.222	1.394	1.606	1.759	1.908	2.053	2.240	2.378
24	0.892	1.275	1.565	1.978	2.323	2.702	3.119	3.737	4.261

<b>48-hour</b>									
<b>region</b>	<b>2-year</b>	<b>5-year</b>	<b>10-year</b>	<b>25-year</b>	<b>50-year</b>	<b>100-year</b>	<b>200-year</b>	<b>500-year</b>	<b>1,000-year</b>
1	0.889	1.298	1.605	2.037	2.394	2.781	3.204	3.824	4.343
2	0.936	1.239	1.446	1.717	1.924	2.135	2.351	2.645	2.874
3	0.867	1.333	1.688	2.198	2.625	3.095	3.616	4.390	5.050
4	0.930	1.291	1.533	1.841	2.072	2.303	2.535	2.845	3.081
5	0.918	1.246	1.484	1.810	2.073	2.351	2.648	3.072	3.418
6	0.934	1.266	1.491	1.780	1.998	2.218	2.441	2.740	2.970
7	0.903	1.369	1.688	2.101	2.417	2.737	3.064	3.507	3.850
8	0.923	1.269	1.510	1.828	2.076	2.332	2.597	2.962	3.251
9	0.922	1.259	1.497	1.815	2.065	2.325	2.597	2.977	3.280
10E	0.910	1.302	1.578	1.946	2.235	2.535	2.849	3.284	3.632
10W	0.856	1.427	1.843	2.416	2.879	3.371	3.898	4.652	5.270
11	0.909	1.280	1.548	1.914	2.207	2.517	2.846	3.315	3.695
12	0.938	1.285	1.512	1.795	2.003	2.208	2.410	2.674	2.872
13	0.933	1.289	1.526	1.826	2.049	2.272	2.495	2.790	3.013
14	0.898	1.303	1.598	2.005	2.333	2.683	3.057	3.592	4.031
15	0.907	1.345	1.646	2.039	2.340	2.648	2.963	3.392	3.727
16	0.918	1.258	1.501	1.831	2.094	2.369	2.661	3.072	3.404

<b>48-hour</b>									
<b>region</b>	<b>2- year</b>	<b>5- year</b>	<b>10- year</b>	<b>25- year</b>	<b>50- year</b>	<b>100- year</b>	<b>200- year</b>	<b>500- year</b>	<b>1,000- year</b>
17	0.903	1.282	1.559	1.942	2.253	2.585	2.942	3.454	3.876
18	0.952	1.230	1.410	1.633	1.795	1.953	2.109	2.310	2.459
19	0.947	1.293	1.512	1.777	1.965	2.145	2.318	2.538	2.697
20	0.893	1.270	1.556	1.965	2.308	2.684	3.100	3.718	4.243
21	0.934	1.236	1.445	1.721	1.935	2.154	2.380	2.692	2.937
22	0.893	1.344	1.665	2.100	2.444	2.806	3.186	3.721	4.153
23	0.943	1.215	1.403	1.647	1.834	2.025	2.221	2.487	2.694
24	0.864	1.277	1.610	2.112	2.554	3.062	3.648	4.563	5.381