

PROBABILITIES OF SEQUENCES OF

WET AND DRY DAYS IN IOWA

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The Agricultural Experiment Stations of Alaska, Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin, and the U. S. Dept. of Agriculture and U. S. Dept. of Commerce, cooperating.



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PROBABILITIES OF SEQUENCES
OF WET AND DRY DAYS
IN IOWA

by

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Ames, Iowa

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PROBABILITY THAT A GIVEN DAY WILL BE WET OR DRY

WET DAY - AT LEAST .01 INCHES

PERIOD OF	INITIAL		TRANSITION			
	DRY	WET	DRY/DRY	WET/DRY	DRY/WET	WET/WET
MAR 1-MAR 7	.851	.149	.851	.149	.851	.149
MAR 8-MAR 14	.840	.160	.840	.160	.840	.160
MAR 15-MAR 21	.821	.179	.825	.175	.803	.197
MAR 22-MAR 28	.797	.203	.814	.186	.730	.270
MAR 29-APR 4	.772	.228	.802	.198	.670	.330
APR 5-APR 11	.749	.251	.791	.209	.624	.376
APR 12-APR 18	.731	.269	.780	.220	.598	.402
APR 19-APR 25	.717	.283	.770	.230	.583	.417
APR 26-MAY 2	.704	.296	.761	.239	.568	.432
MAY 3-MAY 9	.692	.308	.752	.248	.557	.443
MAY 10-MAY 16	.678	.322	.744	.256	.539	.461
MAY 17-MAY 23	.664	.336	.737	.263	.520	.480
MAY 24-MAY 30	.651	.349	.732	.268	.500	.500
MAY 31-JUN 6	.646	.354	.727	.273	.498	.502
JUN 7-JUN 13	.650	.350	.724	.276	.513	.487
JUN 14-JUN 20	.664	.336	.723	.277	.547	.453
JUN 21-JUN 27	.682	.318	.722	.278	.596	.404
JUN 28-JUL 4	.701	.299	.723	.277	.649	.351
JUL 5-JUL 11	.718	.282	.726	.274	.698	.302
JUL 12-JUL 18	.727	.273	.730	.270	.719	.281
JUL 19-JUL 25	.731	.269	.735	.265	.720	.280
JUL 26-AUG 1	.732	.268	.741	.259	.707	.293
AUG 2-AUG 8	.734	.266	.748	.252	.695	.305
AUG 9-AUG 15	.739	.261	.757	.243	.688	.312
AUG 16-AUG 22	.747	.253	.766	.234	.691	.309
AUG 23-AUG 29	.756	.244	.776	.224	.694	.306
AUG 30-SEP 5	.763	.237	.787	.213	.686	.314
SEP 6-SEP 12	.765	.235	.798	.202	.658	.342
SEP 13-SEP 19	.765	.235	.809	.191	.622	.378
SEP 20-SEP 26	.763	.237	.820	.180	.579	.421
SEP 27-OCT 3	.764	.236	.832	.168	.544	.456
OCT 4-OCT 10	.772	.228	.843	.157	.532	.468
OCT 11-OCT 17	.787	.213	.854	.146	.539	.461
OCT 18-OCT 24	.808	.192	.864	.136	.572	.428
OCT 25-OCT 31	.831	.169	.874	.126	.620	.380
NOV 1-NOV 7	.851	.149	.883	.117	.668	.332
NOV 8-NOV 14	.865	.135	.890	.110	.705	.295
NOV 15-NOV 21	.872	.128	.897	.103	.702	.298
NOV 22-NOV 28	.874	.126	.903	.097	.673	.327
NOV 29-DEC 5	.877	.123	.907	.093	.663	.337
DEC 6-DEC 12	.881	.119	.910	.090	.666	.334
DEC 13-DEC 19	.887	.113	.912	.088	.691	.309
DEC 20-DEC 26	.894	.106	.913	.087	.734	.266
DEC 27-JAN 2	.899	.101	.912	.088	.783	.217
JAN 3-JAN 9	.899	.101	.909	.091	.810	.190
JAN 10-JAN 16	.893	.107	.906	.094	.785	.215
JAN 17-JAN 23	.882	.118	.901	.099	.740	.260
JAN 24-JAN 30	.869	.131	.894	.106	.703	.297
JAN 31-FEB 6	.859	.141	.887	.113	.688	.312
FEB 7-FEB 13	.855	.145	.879	.121	.713	.287
FEB 14-FEB 20	.854	.146	.870	.130	.760	.240
FEB 21-FEB 27	.855	.145	.860	.140	.826	.174

PROBABILITY THAT A GIVEN DAY WILL BE WET OR DRY

WET DAY - AT LEAST .10 INCHES

PERIOD OF	INITIAL		TRANSITION			
	DRY	WET	DRY/DRY	WET/DRY	DRY/WET	WET/WET
MAR 1-MAR 7	.899	.101	.899	.101	.899	.101
MAR 8-MAR 14	.893	.107	.893	.107	.893	.107
MAR 15-MAR 21	.885	.115	.885	.115	.885	.115
MAR 22-MAR 28	.874	.126	.874	.126	.874	.126
MAR 29-APR 4	.862	.138	.865	.135	.843	.157
APR 5-APR 11	.849	.151	.856	.144	.810	.190
APR 12-APR 18	.834	.166	.847	.153	.769	.231
APR 19-APR 25	.817	.183	.839	.161	.719	.281
APR 26-MAY 2	.802	.198	.832	.168	.680	.320
MAY 3-MAY 9	.788	.212	.825	.175	.650	.350
MAY 10-MAY 16	.776	.224	.818	.182	.631	.369
MAY 17-MAY 23	.766	.234	.813	.187	.612	.388
MAY 24-MAY 30	.761	.239	.808	.192	.611	.389
MAY 31-JUN 6	.759	.241	.804	.196	.617	.383
JUN 7-JUN 13	.761	.239	.801	.199	.634	.366
JUN 14-JUN 20	.765	.235	.799	.201	.654	.346
JUN 21-JUN 27	.774	.226	.798	.202	.692	.308
JUN 28-JUL 4	.783	.217	.799	.201	.725	.275
JUL 5-JUL 11	.792	.208	.800	.200	.762	.238
JUL 12-JUL 18	.802	.198	.802	.198	.802	.198
JUL 19-JUL 25	.810	.190	.810	.190	.810	.190
JUL 26-AUG 1	.817	.183	.817	.183	.817	.183
AUG 2-AUG 8	.823	.177	.823	.177	.823	.177
AUG 9-AUG 15	.826	.174	.826	.174	.826	.174
AUG 16-AUG 22	.828	.172	.828	.172	.828	.172
AUG 23-AUG 29	.828	.172	.835	.165	.794	.206
AUG 30-SEP 5	.828	.172	.843	.157	.756	.244
SEP 6-SEP 12	.829	.171	.852	.148	.717	.283
SEP 13-SEP 19	.831	.169	.860	.140	.688	.312
SEP 20-SEP 26	.834	.166	.869	.131	.658	.342
SEP 27-OCT 3	.840	.160	.878	.122	.641	.359
OCT 4-OCT 10	.848	.152	.887	.113	.630	.370
OCT 11-OCT 17	.858	.142	.895	.105	.634	.366
OCT 18-OCT 24	.870	.130	.903	.097	.649	.351
OCT 25-OCT 31	.883	.117	.911	.089	.672	.328
NOV 1-NOV 7	.896	.104	.918	.082	.706	.294
NOV 8-NOV 14	.909	.091	.925	.075	.749	.251
NOV 15-NOV 21	.920	.080	.931	.069	.794	.206
NOV 22-NOV 28	.930	.070	.935	.065	.864	.136
NOV 29-DEC 5	.936	.064	.939	.061	.892	.108
DEC 6-DEC 12	.940	.060	.942	.058	.909	.091
DEC 13-DEC 19	.941	.059	.944	.056	.893	.107
DEC 20-DEC 26	.940	.060	.945	.055	.862	.138
DEC 27-JAN 2	.938	.062	.945	.055	.832	.168
JAN 3-JAN 9	.934	.066	.944	.056	.792	.208
JAN 10-JAN 16	.929	.071	.941	.059	.772	.228
JAN 17-JAN 23	.923	.077	.938	.062	.743	.257
JAN 24-JAN 30	.919	.081	.934	.066	.749	.251
JAN 31-FEB 6	.915	.085	.929	.071	.764	.236
FEB 7-FEB 13	.911	.089	.923	.077	.788	.212
FEB 14-FEB 20	.908	.092	.916	.084	.829	.171
FEB 21-FEB 27	.904	.096	.908	.092	.866	.134

PROBABILITY THAT A GIVEN DAY WILL BE WET OR DRY

WET DAY - AT LEAST .20 INCHES

PERIOD CF	INITIAL		TRANSITION			
	DRY	WET	DRY/DRY	WET/DRY	DRY/WET	WET/WET
MAR 1-MAR 7	.938	.062	.938	.062	.938	.062
MAR 8-MAR 14	.933	.067	.933	.067	.933	.067
MAR 15-MAR 21	.925	.075	.925	.075	.925	.075
MAR 22-MAR 28	.917	.083	.917	.083	.917	.083
MAR 29-APR 4	.906	.094	.906	.094	.906	.094
APR 5-APR 11	.894	.106	.898	.102	.860	.140
APR 12-APR 18	.881	.119	.891	.109	.807	.193
APR 19-APR 25	.867	.133	.884	.116	.756	.244
APR 26-MAY 2	.854	.146	.877	.123	.719	.281
MAY 3-MAY 9	.843	.157	.870	.130	.698	.302
MAY 10-MAY 16	.833	.167	.865	.135	.673	.327
MAY 17-MAY 23	.826	.174	.859	.141	.669	.331
MAY 24-MAY 30	.821	.179	.855	.145	.665	.335
MAY 31-JUN 6	.819	.181	.851	.149	.674	.326
JUN 7-JUN 13	.821	.179	.848	.152	.697	.303
JUN 14-JUN 20	.825	.175	.846	.154	.726	.274
JUN 21-JUN 27	.831	.169	.844	.156	.767	.233
JUN 28-JUL 4	.838	.162	.844	.156	.807	.193
JUL 5-JUL 11	.845	.155	.845	.155	.845	.155
JUL 12-JUL 18	.851	.149	.851	.149	.851	.149
JUL 19-JUL 25	.857	.143	.857	.143	.857	.143
JUL 26-AUG 1	.861	.139	.861	.139	.861	.139
AUG 2-AUG 8	.864	.136	.864	.136	.864	.136
AUG 9-AUG 15	.865	.135	.865	.135	.865	.135
AUG 16-AUG 22	.865	.135	.865	.135	.865	.135
AUG 23-AUG 29	.865	.135	.871	.129	.827	.173
AUG 30-SEP 5	.865	.135	.878	.122	.782	.218
SEP 6-SEP 12	.866	.134	.885	.115	.743	.257
SEP 13-SEP 19	.868	.132	.892	.108	.710	.290
SEP 20-SEP 26	.872	.128	.899	.101	.688	.312
SEP 27-OCT 3	.879	.121	.907	.093	.676	.324
OCT 4-OCT 10	.887	.113	.914	.086	.675	.325
OCT 11-OCT 17	.896	.104	.922	.078	.672	.328
OCT 18-OCT 24	.907	.093	.929	.071	.692	.308
OCT 25-OCT 31	.919	.081	.936	.064	.726	.274
NOV 1-NOV 7	.932	.068	.942	.058	.795	.205
NOV 8-NOV 14	.942	.058	.948	.052	.845	.155
NOV 15-NOV 21	.952	.048	.954	.046	.912	.088
NOV 22-NOV 28	.960	.040	.960	.040	.960	.040
NOV 29-DEC 5	.965	.035	.965	.035	.965	.035
DEC 6-DEC 12	.968	.032	.968	.032	.968	.032
DEC 13-DEC 19	.969	.031	.969	.031	.969	.031
DEC 20-DEC 26	.968	.032	.969	.031	.938	.062
DEC 27-JAN 2	.966	.034	.970	.030	.852	.148
JAN 3-JAN 9	.963	.037	.969	.031	.807	.193
JAN 10-JAN 16	.959	.041	.968	.032	.748	.252
JAN 17-JAN 23	.956	.044	.966	.034	.739	.261
JAN 24-JAN 30	.953	.047	.962	.038	.771	.229
JAN 31-FEB 6	.950	.050	.959	.041	.779	.221
FEB 7-FEB 13	.948	.052	.954	.046	.839	.161
FEB 14-FEB 20	.945	.055	.949	.051	.876	.124
FEB 21-FEB 27	.943	.057	.943	.057	.943	.057

PROBABILITY THAT A GIVEN DAY WILL BE WET OR DRY

WET DAY - AT LEAST .50 INCHES

PERIOD OF	INITIAL		TRANSITION			
	DRY	WET	DRY/DRY	WET/DRY	DRY/WET	WET/WET
MAR 1-MAR 7	.976	.024	.976	.024	.976	.024
MAR 8-MAR 14	.976	.024	.976	.024	.976	.024
MAR 15-MAR 21	.976	.024	.976	.024	.976	.024
MAR 22-MAR 28	.975	.025	.975	.025	.975	.025
MAR 29-APR 4	.972	.028	.972	.028	.972	.028
APR 5-APR 11	.967	.033	.970	.030	.879	.121
APR 12-APR 18	.959	.041	.963	.037	.865	.135
APR 19-APR 25	.949	.051	.953	.047	.875	.125
APR 26-MAY 2	.937	.063	.941	.059	.878	.122
MAY 3-MAY 9	.923	.077	.928	.072	.863	.137
MAY 10-MAY 16	.911	.089	.916	.084	.860	.140
MAY 17-MAY 23	.901	.099	.905	.095	.865	.135
MAY 24-MAY 30	.894	.106	.898	.102	.860	.140
MAY 31-JUN 6	.891	.109	.895	.105	.858	.142
JUN 7-JUN 13	.892	.108	.895	.105	.867	.133
JUN 14-JUN 20	.897	.103	.900	.100	.871	.129
JUN 21-JUN 27	.905	.095	.906	.094	.895	.105
JUN 28-JUL 4	.914	.086	.915	.085	.903	.097
JUL 5-JUL 11	.922	.078	.923	.077	.910	.090
JUL 12-JUL 18	.929	.071	.929	.071	.929	.071
JUL 19-JUL 25	.933	.067	.933	.067	.933	.067
JUL 26-AUG 1	.934	.066	.935	.065	.920	.080
AUG 2-AUG 8	.933	.067	.934	.066	.919	.081
AUG 9-AUG 15	.930	.070	.932	.068	.903	.097
AUG 16-AUG 22	.925	.075	.929	.071	.876	.124
AUG 23-AUG 29	.921	.079	.926	.074	.863	.137
AUG 30-SEP 5	.919	.081	.925	.075	.851	.149
SEP 6-SEP 12	.919	.081	.926	.074	.840	.160
SEP 13-SEP 19	.921	.079	.930	.070	.816	.184
SEP 20-SEP 26	.926	.074	.935	.065	.813	.187
SEP 27-OCT 3	.933	.067	.941	.059	.822	.178
OCT 4-OCT 10	.940	.060	.948	.052	.815	.185
OCT 11-OCT 17	.947	.053	.954	.046	.822	.178
OCT 18-OCT 24	.954	.046	.960	.040	.830	.170
OCT 25-OCT 31	.959	.041	.964	.036	.842	.158
NOV 1-NOV 7	.964	.036	.968	.032	.857	.143
NOV 8-NOV 14	.968	.032	.971	.029	.877	.123
NOV 15-NOV 21	.972	.028	.972	.028	.972	.028
NOV 22-NOV 28	.975	.025	.975	.025	.975	.025
NOV 29-DEC 5	.979	.021	.979	.021	.979	.021
DEC 6-DEC 12	.984	.016	.984	.016	.984	.016
DEC 13-DEC 19	.988	.012	.988	.012	.988	.012
DEC 20-DEC 26	.992	.008	.992	.008	.992	.008
DEC 27-JAN 2	.995	.005	.995	.005	.995	.005
JAN 3-JAN 9	.997	.003	.997	.003	.997	.003
JAN 10-JAN 16	.997	.003	.997	.003	.997	.003
JAN 17-JAN 23	.996	.004	.996	.004	.996	.004
JAN 24-JAN 30	.993	.007	.993	.007	.993	.007
JAN 31-FEB 6	.989	.011	.989	.011	.989	.011
FEB 7-FEB 13	.985	.015	.985	.015	.985	.015
FEB 14-FEB 20	.980	.020	.980	.020	.980	.020
FEB 21-FEB 27	.978	.022	.978	.022	.978	.022

PROBABILITY THAT A GIVEN DAY WILL BE WET OR DRY

WET DAY - AT LEAST .01 INCHES

PERIOD OF	INITIAL		TRANSITION			
	DRY	WET	DRY/DRY	WET/DRY	DRY/WET	WET/WET
MAR 1-MAR 7	.743	.257	.782	.218	.630	.370
MAR 8-MAR 14	.744	.256	.793	.207	.602	.398
MAR 15-MAR 21	.746	.254	.800	.200	.587	.413
MAR 22-MAR 28	.733	.267	.791	.209	.574	.426
MAR 29-APR 4	.709	.291	.771	.229	.558	.442
APR 5-APR 11	.687	.313	.754	.246	.540	.460
APR 12-APR 18	.675	.325	.749	.251	.521	.479
APR 19-APR 25	.673	.327	.750	.250	.515	.485
APR 26-MAY 2	.669	.331	.743	.257	.519	.481
MAY 3-MAY 9	.652	.348	.721	.279	.523	.477
MAY 10-MAY 16	.630	.370	.695	.305	.519	.481
MAY 17-MAY 23	.617	.383	.683	.317	.511	.489
MAY 24-MAY 30	.626	.374	.691	.309	.517	.483
MAY 31-JUN 6	.646	.354	.710	.290	.529	.471
JUN 7-JUN 13	.664	.336	.723	.277	.547	.453
JUN 14-JUN 20	.671	.329	.724	.276	.563	.437
JUN 21-JUN 27	.673	.327	.723	.277	.570	.430
JUN 28-JUL 4	.682	.318	.732	.268	.575	.425
JUL 5-JUL 11	.703	.297	.753	.247	.585	.415
JUL 12-JUL 18	.725	.275	.773	.227	.598	.402
JUL 19-JUL 25	.735	.265	.777	.223	.619	.381
JUL 26-AUG 1	.728	.272	.765	.235	.629	.371
AUG 2-AUG 8	.716	.284	.752	.248	.625	.375
AUG 9-AUG 15	.715	.285	.753	.247	.620	.380
AUG 16-AUG 22	.728	.272	.769	.231	.618	.382
AUG 23-AUG 29	.745	.255	.787	.213	.622	.378
AUG 30-SEP 5	.751	.249	.795	.205	.618	.382
SEP 6-SEP 12	.747	.253	.792	.208	.614	.386
SEP 13-SEP 19	.743	.257	.794	.206	.596	.404
SEP 20-SEP 26	.751	.249	.811	.189	.570	.430
SEP 27-OCT 3	.769	.231	.835	.165	.549	.451
OCT 4-OCT 10	.784	.216	.851	.149	.541	.459
OCT 11-OCT 17	.783	.217	.848	.152	.548	.452
OCT 18-OCT 24	.769	.231	.832	.168	.559	.441
OCT 25-OCT 31	.757	.243	.819	.181	.564	.436
NOV 1-NOV 7	.759	.241	.822	.178	.561	.439
NOV 8-NOV 14	.773	.227	.833	.167	.569	.431
NOV 15-NOV 21	.785	.215	.839	.161	.588	.412
NOV 22-NOV 28	.786	.214	.833	.167	.613	.387
NOV 29-DEC 5	.782	.218	.824	.176	.631	.369
DEC 6-DEC 12	.786	.214	.828	.172	.632	.368
DEC 13-DEC 19	.806	.194	.847	.153	.636	.364
DEC 20-DEC 26	.831	.169	.871	.129	.634	.366
DEC 27-JAN 2	.846	.154	.882	.118	.648	.352
JAN 3-JAN 9	.844	.156	.873	.127	.687	.313
JAN 10-JAN 16	.830	.170	.856	.144	.703	.297
JAN 17-JAN 23	.819	.181	.847	.153	.692	.308
JAN 24-JAN 30	.819	.181	.847	.153	.692	.308
JAN 31-FEB 6	.820	.180	.848	.152	.692	.308
FEB 7-FEB 13	.809	.191	.835	.165	.699	.301
FEB 14-FEB 20	.784	.216	.810	.190	.690	.310
FEB 21-FEB 27	.758	.242	.787	.213	.667	.333

PROBABILITY THAT A GIVEN DAY WILL BE WET OR DRY

WET DAY - AT LEAST .10 INCHES

PERIOD OF	INITIAL		TRANSITION			
	DRY	WET	DRY/DRY	WET/DRY	DRY/WET	WET/WET
MAR 1-MAR 7	.837	.163	.868	.132	.678	.322
MAR 8-MAR 14	.830	.170	.858	.142	.693	.307
MAR 15-MAR 21	.828	.172	.848	.152	.732	.268
MAR 22-MAR 28	.822	.178	.838	.162	.748	.252
MAR 29-APR 4	.811	.189	.829	.171	.734	.266
APR 5-APR 11	.792	.208	.820	.180	.685	.315
APR 12-APR 18	.773	.227	.811	.189	.644	.356
APR 19-APR 25	.760	.240	.804	.196	.621	.379
APR 26-MAY 2	.756	.244	.798	.202	.626	.374
MAY 3-MAY 9	.760	.240	.794	.206	.652	.348
MAY 10-MAY 16	.767	.233	.791	.209	.688	.312
MAY 17-MAY 23	.770	.230	.789	.211	.706	.294
MAY 24-MAY 30	.766	.234	.789	.211	.691	.309
MAY 31-JUN 6	.760	.240	.790	.210	.665	.335
JUN 7-JUN 13	.756	.244	.792	.208	.644	.356
JUN 14-JUN 20	.760	.240	.796	.204	.646	.354
JUN 21-JUN 27	.773	.227	.800	.200	.681	.319
JUN 28-JUL 4	.789	.211	.805	.195	.729	.271
JUL 5-JUL 11	.803	.197	.810	.190	.774	.226
JUL 12-JUL 18	.808	.192	.816	.184	.774	.226
JUL 19-JUL 25	.806	.194	.821	.179	.744	.256
JUL 26-AUG 1	.803	.197	.827	.173	.705	.295
AUG 2-AUG 8	.803	.197	.832	.168	.685	.315
AUG 9-AUG 15	.810	.190	.837	.163	.695	.305
AUG 16-AUG 22	.822	.178	.841	.159	.734	.266
AUG 23-AUG 29	.833	.167	.846	.154	.768	.232
AUG 30-SEP 5	.838	.162	.849	.151	.781	.219
SEP 6-SEP 12	.835	.165	.853	.147	.744	.256
SEP 13-SEP 19	.827	.173	.856	.144	.688	.312
SEP 20-SEP 26	.821	.179	.859	.141	.647	.353
SEP 27-OCT 3	.823	.177	.862	.138	.642	.358
OCT 4-OCT 10	.832	.168	.866	.134	.664	.336
OCT 11-OCT 17	.844	.156	.869	.131	.709	.291
OCT 18-OCT 24	.854	.146	.873	.127	.743	.257
OCT 25-OCT 31	.857	.143	.876	.124	.743	.257
NOV 1-NOV 7	.853	.147	.880	.120	.696	.304
NOV 8-NOV 14	.849	.151	.885	.115	.647	.353
NOV 15-NOV 21	.851	.149	.889	.111	.634	.366
NOV 22-NOV 28	.863	.137	.893	.107	.674	.326
NOV 29-DEC 5	.878	.122	.897	.103	.741	.259
DEC 6-DEC 12	.892	.108	.901	.099	.818	.182
DEC 13-DEC 19	.899	.101	.904	.096	.854	.146
DEC 20-DEC 26	.898	.102	.907	.093	.819	.181
DEC 27-JAN 2	.892	.108	.909	.091	.752	.248
JAN 3-JAN 9	.887	.113	.909	.091	.714	.286
JAN 10-JAN 16	.888	.112	.909	.091	.722	.278
JAN 17-JAN 23	.894	.106	.907	.093	.784	.216
JAN 24-JAN 30	.900	.100	.904	.096	.864	.136
JAN 31-FEB 6	.899	.101	.899	.101	.899	.101
FEB 7-FEB 13	.890	.110	.893	.107	.866	.134
FEB 14-FEB 20	.872	.128	.886	.114	.777	.223
FEB 21-FEB 27	.852	.148	.878	.122	.702	.298

PROBABILITY THAT A GIVEN DAY WILL BE WET OR DRY

WET DAY - AT LEAST .20 INCHES

PERIOD OF	INITIAL		TRANSITION			
	DRY	WET	DRY/DRY	WET/DRY	DRY/WET	WET/WET
MAR 1-MAR 7	.889	.111	.899	.101	.809	.191
MAR 8-MAR 14	.887	.113	.899	.101	.793	.207
MAR 15-MAR 21	.885	.115	.898	.102	.785	.215
MAR 22-MAR 28	.878	.122	.892	.108	.777	.223
MAR 29-APR 4	.863	.137	.879	.121	.762	.238
APR 5-APR 11	.844	.156	.862	.138	.747	.253
APR 12-APR 18	.828	.172	.846	.154	.741	.259
APR 19-APR 25	.820	.180	.838	.162	.738	.262
APR 26-MAY 2	.820	.180	.839	.161	.733	.267
MAY 3-MAY 9	.825	.175	.844	.156	.735	.265
MAY 10-MAY 16	.828	.172	.848	.152	.732	.268
MAY 17-MAY 23	.825	.175	.846	.154	.726	.274
MAY 24-MAY 30	.818	.182	.838	.162	.728	.272
MAY 31-JUN 6	.811	.189	.830	.170	.729	.271
JUN 7-JUN 13	.809	.191	.828	.172	.729	.271
JUN 14-JUN 20	.816	.184	.833	.167	.741	.259
JUN 21-JUN 27	.829	.171	.846	.154	.747	.253
JUN 28-JUL 4	.841	.159	.858	.142	.751	.249
JUL 5-JUL 11	.848	.152	.865	.135	.753	.247
JUL 12-JUL 18	.848	.152	.865	.135	.753	.247
JUL 19-JUL 25	.843	.157	.860	.140	.752	.248
JUL 26-AUG 1	.841	.159	.856	.144	.762	.238
AUG 2-AUG 8	.844	.156	.859	.141	.763	.237
AUG 9-AUG 15	.854	.146	.868	.132	.772	.228
AUG 16-AUG 22	.866	.134	.880	.120	.776	.224
AUG 23-AUG 29	.873	.127	.888	.112	.770	.230
AUG 30-SEP 5	.873	.127	.889	.111	.763	.237
SEP 6-SEP 12	.866	.134	.882	.118	.763	.237
SEP 13-SEP 19	.859	.141	.875	.125	.762	.238
SEP 20-SEP 26	.857	.143	.873	.127	.761	.239
SEP 27-OCT 3	.863	.137	.878	.122	.769	.231
OCT 4-OCT 10	.874	.126	.889	.111	.770	.230
OCT 11-OCT 17	.884	.116	.900	.100	.762	.238
OCT 18-OCT 24	.889	.111	.906	.094	.753	.247
OCT 25-OCT 31	.888	.112	.904	.096	.761	.239
NOV 1-NOV 7	.883	.117	.899	.101	.762	.238
NOV 8-NOV 14	.882	.118	.897	.103	.770	.230
NOV 15-NOV 21	.889	.111	.903	.097	.777	.223
NOV 22-NOV 28	.903	.097	.915	.085	.791	.209
NOV 29-DEC 5	.919	.081	.930	.070	.794	.206
DEC 6-DEC 12	.929	.071	.940	.060	.785	.215
DEC 13-DEC 19	.932	.068	.943	.057	.781	.219
DEC 20-DEC 26	.929	.071	.938	.062	.811	.189
DEC 27-JAN 2	.924	.076	.933	.067	.815	.185
JAN 3-JAN 9	.924	.076	.931	.069	.839	.161
JAN 10-JAN 16	.930	.070	.936	.064	.850	.150
JAN 17-JAN 23	.938	.062	.945	.055	.832	.168
JAN 24-JAN 30	.943	.057	.950	.050	.827	.173
JAN 31-FEB 6	.940	.060	.948	.052	.815	.185
FEB 7-FEB 13	.928	.072	.937	.063	.812	.188
FEB 14-FEB 20	.911	.089	.921	.079	.809	.191
FEB 21-FEB 27	.897	.103	.907	.093	.810	.190

PROBABILITY THAT A GIVEN DAY WILL BE WET OR DRY

WET DAY - AT LEAST .50 INCHES

PERIOD OF	INITIAL		TRANSITION			
	DRY	WET	DRY/DRY	WET/DRY	DRY/WET	WET/WET
MAR 1-MAR 7	.957	.043	.967	.033	.734	.266
MAR 8-MAR 14	.955	.045	.962	.038	.806	.194
MAR 15-MAR 21	.954	.046	.957	.043	.892	.108
MAR 22-MAR 28	.952	.048	.952	.048	.952	.048
MAR 29-APR 4	.945	.055	.945	.055	.945	.055
APR 5-APR 11	.935	.065	.939	.061	.877	.123
APR 12-APR 18	.923	.077	.934	.066	.791	.209
JUN 14-JUN 20	.895	.105	.910	.090	.767	.233
APR 19-APR 25	.913	.087	.928	.072	.756	.244
APR 26-MAY 2	.910	.090	.924	.076	.768	.232
MAY 3-MAY 9	.911	.089	.920	.080	.819	.181
MAY 10-MAY 16	.912	.088	.916	.084	.871	.129
MAY 17-MAY 23	.912	.088	.914	.086	.891	.109
MAY 24-MAY 30	.907	.093	.912	.088	.858	.142
MAY 31-JUN 6	.900	.100	.911	.089	.801	.199
JUN 7-JUN 13	.895	.105	.910	.090	.767	.233
JUN 21-JUN 27	.900	.100	.911	.089	.801	.199
JUN 28-JUL 4	.907	.093	.912	.088	.858	.142
JUL 5-JUL 11	.913	.087	.914	.086	.903	.097
JUL 12-JUL 18	.914	.086	.915	.085	.903	.097
JUL 19-JUL 25	.911	.089	.917	.083	.850	.150
JUL 26-AUG 1	.908	.092	.919	.081	.799	.201
AUG 2-AUG 8	.908	.092	.921	.079	.780	.220
AUG 9-AUG 15	.912	.088	.923	.077	.798	.202
AUG 16-AUG 22	.921	.079	.925	.075	.874	.126
AUG 23-AUG 29	.928	.072	.928	.072	.928	.072
AUG 30-SEP 5	.931	.069	.931	.069	.931	.069
SEP 6-SEP 12	.930	.070	.931	.069	.917	.083
SEP 13-SEP 19	.927	.073	.932	.068	.864	.136
SEP 20-SEP 26	.924	.076	.935	.065	.790	.210
SEP 27-OCT 3	.927	.073	.937	.063	.800	.200
OCT 4-OCT 10	.933	.067	.939	.061	.849	.151
OCT 11-OCT 17	.942	.058	.942	.058	.942	.058
OCT 18-OCT 24	.948	.052	.948	.052	.948	.052
OCT 25-OCT 31	.950	.050	.950	.050	.950	.050
NOV 1-NOV 7	.948	.052	.951	.049	.893	.107
NOV 8-NOV 14	.947	.053	.955	.045	.804	.196
NOV 15-NOV 21	.949	.051	.958	.042	.782	.218
NOV 22-NOV 28	.955	.045	.962	.038	.806	.194
NOV 29-DEC 5	.965	.035	.966	.034	.937	.063
DEC 6-DEC 12	.975	.025	.975	.025	.975	.025
DEC 13-DEC 19	.979	.021	.979	.021	.979	.021
DEC 20-DEC 26	.979	.021	.979	.021	.979	.021
DEC 27-JAN 2	.976	.024	.976	.024	.976	.024
JAN 3-JAN 9	.973	.027	.973	.027	.973	.027
JAN 10-JAN 16	.976	.024	.976	.024	.976	.024
JAN 17-JAN 23	.981	.019	.981	.019	.981	.019
JAN 24-JAN 30	.986	.014	.986	.014	.986	.014
JAN 31-FEB 6	.988	.012	.988	.012	.988	.012
FEB 7-FEB 13	.983	.017	.983	.017	.983	.017
FEB 14-FEB 20	.975	.025	.975	.025	.975	.025
FEB 21-FEB 27	.964	.036	.972	.028	.750	.250

PROBABILITY THAT A GIVEN DAY WILL BE WET OR DRY

WET DAY - AT LEAST .01 INCHES

PERIOD OF	INITIAL		TRANSITION			
	DRY	WET	DRY/DRY	WET/DRY	DRY/WET	WET/WET
MAR 1-MAR 7	.789	.211	.795	.205	.767	.233
MAR 8-MAR 14	.774	.226	.787	.213	.729	.271
MAR 15-MAR 21	.745	.255	.779	.221	.646	.354
MAR 22-MAR 28	.736	.264	.770	.230	.641	.359
MAR 29-APR 4	.738	.262	.762	.238	.670	.330
APR 5-APR 11	.718	.282	.754	.246	.626	.374
APR 12-APR 18	.685	.315	.747	.253	.550	.450
APR 19-APR 25	.673	.327	.740	.260	.535	.465
APR 26-MAY 2	.676	.324	.733	.267	.557	.443
MAY 3-MAY 9	.659	.341	.727	.273	.528	.472
MAY 10-MAY 16	.633	.367	.722	.278	.479	.521
MAY 17-MAY 23	.631	.369	.718	.282	.482	.518
MAY 24-MAY 30	.646	.354	.715	.285	.520	.480
MAY 31-JUN 6	.644	.356	.712	.288	.521	.479
JUN 7-JUN 13	.632	.368	.711	.289	.496	.504
JUN 14-JUN 20	.644	.356	.711	.289	.523	.477
JUN 21-JUN 27	.671	.329	.711	.289	.589	.411
JUN 28-JUL 4	.680	.320	.713	.287	.610	.390
JUL 5-JUL 11	.675	.325	.715	.285	.592	.408
JUL 12-JUL 18	.691	.309	.719	.281	.628	.372
JUL 19-JUL 25	.719	.281	.723	.277	.709	.291
JUL 26-AUG 1	.725	.275	.729	.271	.714	.286
AUG 2-AUG 8	.714	.286	.734	.266	.664	.336
AUG 9-AUG 15	.722	.278	.741	.259	.673	.327
AUG 16-AUG 22	.741	.259	.748	.252	.721	.279
AUG 23-AUG 29	.740	.260	.756	.244	.694	.306
AUG 30-SEP 5	.722	.278	.764	.236	.613	.387
SEP 6-SEP 12	.725	.275	.772	.228	.601	.399
SEP 13-SEP 19	.742	.258	.780	.220	.633	.367
SEP 20-SEP 26	.741	.259	.789	.211	.604	.396
SEP 27-OCT 3	.727	.273	.797	.203	.541	.459
OCT 4-OCT 10	.735	.265	.805	.195	.541	.459
OCT 11-OCT 17	.760	.240	.812	.188	.595	.405
OCT 18-OCT 24	.767	.233	.819	.181	.596	.404
OCT 25-OCT 31	.759	.241	.826	.174	.548	.452
NOV 1-NOV 7	.772	.228	.832	.168	.569	.431
NOV 8-NOV 14	.800	.200	.837	.163	.652	.348
NOV 15-NOV 21	.808	.192	.841	.159	.669	.331
NOV 22-NOV 28	.800	.200	.844	.156	.624	.376
NOV 29-DEC 5	.809	.191	.847	.153	.648	.352
DEC 6-DEC 12	.833	.167	.848	.152	.758	.242
DEC 13-DEC 19	.835	.165	.849	.151	.764	.236
DEC 20-DEC 26	.819	.181	.848	.152	.688	.312
DEC 27-JAN 2	.820	.180	.847	.153	.697	.303
JAN 3-JAN 9	.835	.165	.844	.156	.789	.211
JAN 10-JAN 16	.831	.169	.841	.159	.782	.218
JAN 17-JAN 23	.809	.191	.836	.164	.695	.305
JAN 24-JAN 30	.805	.195	.831	.169	.698	.302
JAN 31-FEB 6	.818	.182	.825	.175	.787	.213
FEB 7-FEB 13	.810	.190	.819	.181	.772	.228
FEB 14-FEB 20	.787	.213	.812	.188	.695	.305
FEB 21-FEB 27	.780	.220	.804	.196	.695	.305

PROBABILITY THAT A GIVEN DAY WILL BE WET OR DRY

WET DAY - AT LEAST .10 INCHES

PERIOD OF	INITIAL		TRANSITION			
	DRY	WET	DRY/DRY	WET/DRY	DRY/WET	WET/WET
MAR 1-MAR 7	.865	.135	.887	.113	.724	.276
MAR 8-MAR 14	.844	.156	.860	.140	.757	.243
MAR 15-MAR 21	.845	.155	.857	.143	.780	.220
MAR 22-MAR 28	.842	.158	.850	.150	.799	.201
MAR 29-APR 4	.817	.183	.823	.177	.790	.210
APR 5-APR 11	.797	.203	.812	.188	.738	.262
APR 12-APR 18	.798	.202	.827	.173	.683	.317
APR 19-APR 25	.788	.212	.825	.175	.650	.350
APR 26-MAY 2	.761	.239	.803	.197	.627	.373
MAY 3-MAY 9	.752	.248	.796	.204	.619	.381
MAY 10-MAY 16	.758	.242	.801	.199	.623	.377
MAY 17-MAY 23	.749	.251	.783	.217	.648	.352
MAY 24-MAY 30	.732	.268	.761	.239	.653	.347
MAY 31-JUN 6	.740	.260	.771	.229	.652	.348
JUN 7-JUN 13	.756	.244	.789	.211	.654	.346
JUN 14-JUN 20	.752	.248	.784	.216	.655	.345
JUN 21-JUN 27	.751	.249	.783	.217	.654	.346
JUN 28-JUL 4	.773	.227	.802	.198	.674	.326
JUL 5-JUL 11	.789	.211	.808	.192	.718	.282
JUL 12-JUL 18	.785	.215	.788	.212	.774	.226
JUL 19-JUL 25	.790	.210	.790	.210	.790	.210
JUL 26-AUG 1	.813	.187	.813	.187	.813	.187
AUG 2-AUG 8	.818	.182	.818	.182	.818	.182
AUG 9-AUG 15	.805	.195	.805	.195	.805	.195
AUG 16-AUG 22	.811	.189	.823	.177	.760	.240
AUG 23-AUG 29	.825	.175	.848	.152	.717	.283
AUG 30-SEP 5	.818	.182	.843	.157	.706	.294
SEP 6-SEP 12	.804	.196	.829	.171	.701	.299
SEP 13-SEP 19	.814	.186	.839	.161	.705	.295
SEP 20-SEP 26	.824	.176	.848	.152	.712	.288
SEP 27-OCT 3	.814	.186	.836	.164	.718	.282
OCT 4-OCT 10	.810	.190	.838	.162	.691	.309
OCT 11-OCT 17	.830	.170	.866	.134	.654	.346
OCT 18-OCT 24	.841	.159	.881	.119	.629	.371
OCT 25-OCT 31	.836	.164	.872	.128	.652	.348
NOV 1-NOV 7	.845	.155	.876	.124	.676	.324
NOV 8-NOV 14	.870	.130	.892	.108	.723	.277
NOV 15-NOV 21	.878	.122	.885	.115	.828	.172
NOV 22-NOV 28	.873	.127	.873	.127	.873	.127
NOV 29-DEC 5	.888	.112	.888	.112	.888	.112
DEC 6-DEC 12	.907	.093	.908	.092	.897	.103
DEC 13-DEC 19	.903	.097	.908	.092	.856	.144
DEC 20-DEC 26	.895	.105	.906	.094	.801	.199
DEC 27-JAN 2	.908	.092	.924	.076	.750	.250
JAN 3-JAN 9	.915	.085	.930	.070	.754	.246
JAN 10-JAN 16	.900	.100	.907	.093	.837	.163
JAN 17-JAN 23	.892	.108	.896	.104	.859	.141
JAN 24-JAN 30	.903	.097	.907	.093	.866	.134
JAN 31-FEB 6	.899	.101	.906	.094	.837	.163
FEB 7-FEB 13	.879	.121	.890	.110	.799	.201
FEB 14-FEB 20	.874	.126	.895	.105	.728	.272
FEB 21-FEB 27	.882	.118	.908	.092	.688	.312

PROBABILITY THAT A GIVEN DAY WILL BE WET OR DRY

WET DAY - AT LEAST .20 INCHES

PERIOD OF	INITIAL		TRANSITION			
	DRY	WET	DRY/DRY	WET/DRY	DRY/WET	WET/WET
MAR 1-MAR 7	.905	.095	.916	.084	.800	.200
MAR 8-MAR 14	.895	.105	.907	.093	.793	.207
MAR 15-MAR 21	.884	.116	.898	.102	.777	.223
MAR 22-MAR 28	.873	.127	.889	.111	.763	.237
MAR 29-APR 4	.862	.138	.880	.120	.750	.250
APR 5-APR 11	.852	.148	.871	.129	.743	.257
APR 12-APR 18	.843	.157	.863	.137	.736	.264
APR 19-APR 25	.835	.165	.855	.145	.734	.266
APR 26-MAY 2	.827	.173	.848	.152	.727	.273
MAY 3-MAY 9	.822	.179	.842	.158	.730	.270
MAY 10-MAY 16	.817	.183	.838	.162	.723	.277
MAY 17-MAY 23	.814	.186	.834	.166	.726	.274
MAY 24-MAY 30	.813	.187	.831	.169	.735	.265
MAY 31-JUN 6	.811	.189	.830	.170	.729	.271
JUN 7-JUN 13	.813	.187	.830	.170	.739	.261
JUN 14-JUN 20	.815	.185	.831	.169	.745	.255
JUN 21-JUN 27	.818	.182	.832	.168	.755	.245
JUN 28-JUL 4	.822	.178	.835	.165	.762	.238
JUL 5-JUL 11	.826	.174	.838	.162	.769	.231
JUL 12-JUL 18	.830	.170	.841	.159	.776	.224
JUL 19-JUL 25	.834	.166	.845	.155	.779	.221
JUL 26-AUG 1	.839	.161	.849	.151	.787	.213
AUG 2-AUG 8	.843	.157	.853	.147	.789	.211
AUG 9-AUG 15	.847	.153	.857	.143	.792	.208
AUG 16-AUG 22	.851	.149	.862	.138	.788	.212
AUG 23-AUG 29	.855	.145	.866	.134	.790	.210
AUG 30-SEP 5	.859	.141	.870	.130	.792	.208
SEP 6-SEP 12	.862	.138	.874	.126	.787	.213
SEP 13-SEP 19	.866	.134	.878	.122	.788	.212
SEP 20-SEP 26	.870	.130	.882	.118	.790	.210
SEP 27-OCT 3	.874	.126	.886	.114	.791	.209
OCT 4-OCT 10	.879	.121	.890	.110	.799	.201
OCT 11-OCT 17	.883	.117	.894	.106	.800	.200
OCT 18-OCT 24	.889	.111	.899	.101	.809	.191
OCT 25-OCT 31	.894	.106	.904	.096	.810	.190
NOV 1-NOV 7	.900	.100	.909	.091	.819	.181
NOV 8-NOV 14	.906	.094	.914	.086	.829	.171
NOV 15-NOV 21	.912	.088	.919	.081	.839	.161
NOV 22-NOV 28	.918	.082	.924	.076	.851	.149
NOV 29-DEC 5	.924	.076	.929	.071	.863	.137
DEC 6-DEC 12	.930	.070	.934	.066	.877	.123
DEC 13-DEC 19	.935	.065	.938	.062	.892	.108
DEC 20-DEC 26	.939	.061	.941	.059	.908	.092
DEC 27-JAN 2	.943	.057	.944	.056	.926	.074
JAN 3-JAN 9	.945	.055	.946	.054	.928	.072
JAN 10-JAN 16	.946	.054	.946	.054	.946	.054
JAN 17-JAN 23	.945	.055	.946	.054	.928	.072
JAN 24-JAN 30	.941	.059	.944	.056	.893	.107
JAN 31-FEB 6	.937	.063	.941	.059	.878	.122
FEB 7-FEB 13	.931	.069	.936	.064	.864	.136
FEB 14-FEB 20	.924	.076	.931	.069	.839	.161
FEB 21-FEB 27	.916	.084	.924	.076	.829	.171

PROBABILITY THAT A GIVEN DAY WILL BE WET OR DRY

WET DAY - AT LEAST .50 INCHES

PERIOD OF	INITIAL		TRANSITION			
	DRY	WET	DRY/DRY	WET/DRY	DRY/WET	WET/WET
MAR 1-MAR 7	.960	.040	.960	.040	.960	.040
MAR 8-MAR 14	.954	.046	.954	.046	.954	.046
MAR 15-MAR 21	.948	.052	.951	.049	.893	.107
MAR 22-MAR 28	.944	.056	.949	.051	.860	.140
MAR 29-APR 4	.940	.060	.947	.053	.830	.170
APR 5-APR 11	.937	.063	.945	.055	.818	.182
APR 12-APR 18	.933	.067	.943	.057	.794	.206
APR 19-APR 25	.929	.071	.939	.061	.798	.202
APR 26-MAY 2	.924	.076	.935	.065	.790	.210
MAY 3-MAY 9	.917	.083	.928	.072	.795	.205
MAY 10-MAY 16	.911	.089	.921	.079	.809	.191
MAY 17-MAY 23	.904	.096	.914	.086	.810	.190
MAY 24-MAY 30	.899	.101	.908	.092	.819	.181
MAY 31-JUN 6	.895	.105	.903	.097	.827	.173
JUN 7-JUN 13	.893	.107	.900	.100	.835	.165
JUN 14-JUN 20	.893	.107	.899	.101	.843	.157
JUN 21-JUN 27	.896	.104	.900	.100	.862	.138
JUN 28-JUL 4	.900	.100	.902	.098	.882	.118
JUL 5-JUL 11	.904	.096	.905	.095	.895	.105
JUL 12-JUL 18	.908	.092	.908	.092	.908	.092
JUL 19-JUL 25	.911	.089	.911	.089	.911	.089
JUL 26-AUG 1	.913	.087	.913	.087	.913	.087
AUG 2-AUG 8	.913	.087	.913	.087	.913	.087
AUG 9-AUG 15	.913	.087	.913	.087	.913	.087
AUG 16-AUG 22	.912	.088	.912	.088	.912	.088
AUG 23-AUG 29	.911	.089	.911	.089	.911	.089
AUG 30-SEP 5	.912	.088	.913	.087	.902	.098
SEP 6-SEP 12	.914	.086	.916	.084	.893	.107
SEP 13-SEP 19	.918	.082	.922	.078	.873	.127
SEP 20-SEP 26	.924	.076	.929	.071	.863	.137
SEP 27-OCT 3	.930	.070	.937	.063	.837	.163
OCT 4-OCT 10	.937	.063	.945	.055	.818	.182
OCT 11-OCT 17	.944	.056	.952	.048	.809	.191
OCT 18-OCT 24	.950	.050	.958	.042	.798	.202
OCT 25-OCT 31	.954	.046	.963	.037	.767	.233
NOV 1-NOV 7	.957	.043	.966	.034	.757	.243
NOV 8-NOV 14	.959	.041	.967	.033	.772	.228
NOV 15-NOV 21	.960	.040	.968	.032	.768	.232
NOV 22-NOV 28	.962	.038	.968	.032	.810	.190
NOV 29-DEC 5	.964	.036	.969	.031	.830	.170
DEC 6-DEC 12	.967	.033	.971	.029	.850	.150
DEC 13-DEC 19	.972	.028	.972	.028	.972	.028
DEC 20-DEC 26	.977	.023	.977	.023	.977	.023
DEC 27-JAN 2	.983	.017	.983	.017	.983	.017
JAN 3-JAN 9	.988	.012	.988	.012	.988	.012
JAN 10-JAN 16	.991	.009	.991	.009	.991	.009
JAN 17-JAN 23	.993	.007	.993	.007	.993	.007
JAN 24-JAN 30	.992	.008	.992	.008	.992	.008
JAN 31-FEB 6	.988	.012	.988	.012	.988	.012
FEB 7-FEB 13	.983	.017	.983	.017	.983	.017
FEB 14-FEB 20	.976	.024	.976	.024	.976	.024
FEB 21-FEB 27	.968	.032	.968	.032	.968	.032

PROBABILITY THAT A GIVEN DAY WILL BE WET OR DRY

WET DAY - AT LEAST .01 INCHES

PERIOD OF	INITIAL		TRANSITION			
	DRY	WET	DRY/DRY	WET/DRY	DRY/WET	WET/WET
MAR 1-MAR 7	.788	.212	.807	.193	.717	.283
MAR 8-MAR 14	.780	.220	.802	.198	.702	.298
MAR 15-MAR 21	.774	.226	.798	.202	.692	.308
MAR 22-MAR 28	.768	.232	.796	.204	.675	.325
MAR 29-APR 4	.760	.240	.794	.206	.652	.348
APR 5-APR 11	.749	.251	.790	.210	.627	.373
APR 12-APR 18	.736	.264	.783	.217	.605	.395
APR 19-APR 25	.718	.282	.773	.227	.578	.422
APR 26-MAY 2	.700	.300	.761	.239	.558	.442
MAY 3-MAY 9	.682	.318	.747	.253	.543	.457
MAY 10-MAY 16	.664	.336	.734	.266	.526	.474
MAY 17-MAY 23	.652	.348	.723	.277	.519	.481
MAY 24-MAY 30	.646	.354	.715	.285	.520	.480
MAY 31-JUN 6	.646	.354	.711	.289	.527	.473
JUN 7-JUN 13	.653	.347	.711	.289	.544	.456
JUN 14-JUN 20	.666	.334	.716	.284	.566	.434
JUN 21-JUN 27	.684	.316	.722	.278	.602	.398
JUN 28-JUL 4	.701	.299	.730	.270	.633	.367
JUL 5-JUL 11	.717	.283	.737	.263	.666	.334
JUL 12-JUL 18	.731	.269	.742	.258	.701	.299
JUL 19-JUL 25	.739	.261	.744	.256	.725	.275
JUL 26-AUG 1	.741	.259	.745	.255	.730	.270
AUG 2-AUG 8	.739	.261	.744	.256	.725	.275
AUG 9-AUG 15	.734	.266	.744	.256	.706	.294
AUG 16-AUG 22	.728	.272	.745	.255	.683	.317
AUG 23-AUG 29	.722	.278	.749	.251	.652	.348
AUG 30-SEP 5	.720	.280	.757	.243	.625	.375
SEP 6-SEP 12	.723	.277	.769	.231	.603	.397
SEP 13-SEP 19	.730	.270	.784	.216	.584	.416
SEP 20-SEP 26	.740	.260	.800	.200	.569	.431
SEP 27-OCT 3	.753	.247	.816	.184	.561	.439
OCT 4-OCT 10	.766	.234	.830	.170	.556	.444
OCT 11-OCT 17	.778	.222	.840	.160	.561	.439
OCT 18-OCT 24	.789	.211	.847	.153	.572	.428
OCT 25-OCT 31	.797	.203	.851	.149	.585	.415
NOV 1-NOV 7	.802	.198	.851	.149	.604	.396
NOV 8-NOV 14	.806	.194	.850	.150	.623	.377
NOV 15-NOV 21	.809	.191	.850	.150	.635	.365
NOV 22-NOV 28	.812	.188	.851	.149	.644	.356
NOV 29-DEC 5	.817	.183	.854	.146	.652	.348
DEC 6-DEC 12	.823	.177	.859	.141	.656	.344
DEC 13-DEC 19	.830	.170	.866	.134	.654	.346
DEC 20-DEC 26	.837	.163	.874	.126	.647	.353
DEC 27-JAN 2	.844	.156	.880	.120	.649	.351
JAN 3-JAN 9	.848	.152	.883	.117	.653	.347
JAN 10-JAN 16	.849	.151	.882	.118	.663	.337
JAN 17-JAN 23	.846	.154	.877	.123	.676	.324
JAN 24-JAN 30	.839	.161	.868	.132	.688	.312
JAN 31-FEB 6	.830	.170	.856	.144	.703	.297
FEB 7-FEB 13	.819	.181	.842	.158	.715	.285
FEB 14-FEB 20	.809	.191	.829	.171	.724	.276
FEB 21-FEB 27	.798	.202	.817	.183	.723	.277

PROBABILITY THAT A GIVEN DAY WILL BE WET OR DRY

WET DAY - AT LEAST .10 INCHES

PERIOD CF	INITIAL		TRANSITION			
	DRY	WET	DRY/DRY	WET/DRY	DRY/WET	WET/WET
MAR 1-MAR 7	.883	.117	.893	.107	.808	.192
MAR 8-MAR 14	.875	.125	.885	.115	.805	.195
MAR 15-MAR 21	.867	.133	.877	.123	.802	.198
MAR 22-MAR 28	.859	.141	.868	.132	.804	.196
MAR 29-APR 4	.850	.150	.859	.141	.799	.201
APR 5-APR 11	.839	.161	.851	.149	.776	.224
APR 12-APR 18	.826	.174	.842	.158	.750	.250
APR 19-APR 25	.812	.188	.834	.166	.717	.283
APR 26-MAY 2	.795	.205	.826	.174	.675	.325
MAY 3-MAY 9	.778	.222	.818	.182	.638	.362
MAY 10-MAY 16	.763	.237	.812	.188	.605	.395
MAY 17-MAY 23	.750	.250	.806	.194	.582	.418
MAY 24-MAY 30	.742	.258	.800	.200	.575	.425
MAY 31-JUN 6	.739	.261	.796	.204	.578	.422
JUN 7-JUN 13	.741	.259	.792	.208	.595	.405
JUN 14-JUN 20	.748	.252	.790	.210	.623	.377
JUN 21-JUN 27	.759	.241	.788	.212	.668	.332
JUN 28-JUL 4	.771	.229	.788	.212	.714	.286
JUL 5-JUL 11	.785	.215	.789	.211	.770	.230
JUL 12-JUL 18	.796	.204	.796	.204	.796	.204
JUL 19-JUL 25	.803	.197	.803	.197	.803	.197
JUL 26-AUG 1	.807	.193	.807	.193	.807	.193
AUG 2-AUG 8	.808	.192	.808	.192	.808	.192
AUG 9-AUG 15	.806	.194	.807	.193	.802	.198
AUG 16-AUG 22	.803	.197	.813	.187	.762	.238
AUG 23-AUG 29	.801	.199	.820	.180	.725	.275
AUG 30-SEP 5	.800	.200	.827	.173	.692	.308
SEP 6-SEP 12	.803	.197	.835	.165	.673	.327
SEP 13-SEP 19	.808	.192	.844	.156	.657	.343
SEP 20-SEP 26	.817	.183	.852	.148	.661	.339
SEP 27-OCT 3	.828	.172	.861	.139	.669	.331
OCT 4-OCT 10	.840	.160	.870	.130	.683	.317
OCT 11-OCT 17	.853	.147	.878	.122	.708	.292
OCT 18-OCT 24	.864	.136	.886	.114	.724	.276
OCT 25-OCT 31	.873	.127	.894	.106	.729	.271
NOV 1-NOV 7	.880	.120	.902	.098	.719	.281
NOV 8-NOV 14	.885	.115	.909	.091	.700	.300
NOV 15-NOV 21	.889	.111	.915	.085	.681	.319
NOV 22-NOV 28	.893	.107	.920	.080	.668	.332
NOV 29-DEC 5	.897	.103	.925	.075	.653	.347
DEC 6-DEC 12	.903	.097	.928	.072	.670	.330
DEC 13-DEC 19	.909	.091	.931	.069	.689	.311
DEC 20-DEC 26	.915	.085	.932	.068	.732	.268
DEC 27-JAN 2	.921	.079	.933	.067	.781	.219
JAN 3-JAN 9	.925	.075	.932	.068	.839	.161
JAN 10-JAN 16	.928	.072	.931	.069	.889	.111
JAN 17-JAN 23	.927	.073	.928	.072	.914	.086
JAN 24-JAN 30	.924	.076	.924	.076	.924	.076
JAN 31-FEB 6	.919	.081	.920	.080	.908	.092
FEB 7-FEB 13	.911	.089	.915	.085	.870	.130
FEB 14-FEB 20	.902	.098	.908	.092	.847	.153
FEB 21-FEB 27	.892	.108	.901	.099	.818	.182

PROBABILITY THAT A GIVEN DAY WILL BE WET OR DRY

WET DAY - AT LEAST .20 INCHES

PERIOD OF	INITIAL		TRANSITION			
	DRY	WET	DRY/DRY	WET/DRY	DRY/WET	WET/WET
MAR 1-MAR 7	.916	.084	.934	.066	.720	.280
MAR 8-MAR 14	.912	.088	.922	.078	.808	.192
MAR 15-MAR 21	.915	.085	.923	.077	.829	.171
MAR 22-MAR 28	.913	.087	.929	.071	.745	.255
MAR 29-APR 4	.900	.100	.920	.080	.720	.280
APR 5-APR 11	.879	.121	.893	.107	.777	.223
APR 12-APR 18	.862	.138	.863	.137	.856	.144
APR 19-APR 25	.853	.147	.853	.147	.853	.147
APR 26-MAY 2	.847	.153	.857	.143	.792	.208
MAY 3-MAY 9	.835	.165	.860	.140	.708	.292
MAY 10-MAY 16	.815	.185	.843	.157	.692	.308
MAY 17-MAY 23	.795	.205	.815	.185	.717	.283
MAY 24-MAY 30	.785	.215	.801	.199	.727	.273
MAY 31-JUN 6	.789	.211	.814	.186	.696	.304
JUN 7-JUN 13	.802	.198	.838	.162	.656	.344
JUN 14-JUN 20	.811	.189	.847	.153	.657	.343
JUN 21-JUN 27	.814	.186	.834	.166	.726	.274
JUN 28-JUL 4	.818	.182	.820	.180	.809	.191
JUL 5-JUL 11	.829	.171	.829	.171	.829	.171
JUL 12-JUL 18	.848	.152	.857	.143	.798	.202
JUL 19-JUL 25	.864	.136	.877	.123	.781	.219
JUL 26-AUG 1	.866	.134	.873	.127	.821	.179
AUG 2-AUG 8	.857	.143	.857	.143	.857	.143
AUG 9-AUG 15	.846	.154	.846	.154	.846	.154
AUG 16-AUG 22	.843	.157	.859	.141	.757	.243
AUG 23-AUG 29	.848	.152	.879	.121	.675	.325
AUG 30-SEP 5	.852	.148	.884	.116	.668	.332
SEP 6-SEP 12	.850	.150	.871	.129	.731	.269
SEP 13-SEP 19	.845	.155	.859	.141	.769	.231
SEP 20-SEP 26	.846	.154	.865	.135	.742	.258
SEP 27-OCT 3	.860	.140	.887	.113	.694	.306
OCT 4-OCT 10	.882	.118	.906	.094	.703	.297
OCT 11-OCT 17	.901	.099	.910	.090	.819	.181
OCT 18-OCT 24	.909	.091	.909	.091	.909	.091
OCT 25-OCT 31	.910	.090	.912	.088	.890	.110
NOV 1-NOV 7	.914	.086	.928	.072	.765	.235
NOV 8-NOV 14	.926	.074	.945	.055	.688	.312
NOV 15-NOV 21	.941	.059	.954	.046	.734	.266
NOV 22-NOV 28	.948	.052	.955	.045	.820	.180
NOV 29-DEC 5	.945	.055	.954	.046	.790	.210
DEC 6-DEC 12	.939	.061	.955	.045	.693	.307
DEC 13-DEC 19	.939	.061	.958	.042	.647	.353
DEC 20-DEC 26	.950	.050	.958	.042	.798	.202
DEC 27-JAN 2	.963	.037	.963	.037	.963	.037
JAN 3-JAN 9	.967	.033	.967	.033	.967	.033
JAN 10-JAN 16	.961	.039	.961	.039	.961	.039
JAN 17-JAN 23	.950	.050	.952	.048	.912	.088
JAN 24-JAN 30	.947	.053	.947	.053	.947	.053
JAN 31-FEB 6	.952	.048	.952	.048	.952	.048
FEB 7-FEB 13	.954	.046	.954	.046	.954	.046
FEB 14-FEB 20	.947	.053	.957	.043	.768	.232
FEB 21-FEB 27	.931	.069	.953	.047	.634	.366

PROBABILITY THAT A GIVEN DAY WILL BE WET OR DRY

WET DAY - AT LEAST .50 INCHES

PERIOD OF	INITIAL		TRANSITION			
	DRY	WET	DRY/DRY	WET/DRY	DRY/WET	WET/WET
MAR 1-MAR 7	.977	.023	.977	.023	.977	.023
MAR 8-MAR 14	.974	.026	.974	.026	.974	.026
MAR 15-MAR 21	.971	.029	.971	.029	.971	.029
MAR 22-MAR 28	.967	.033	.967	.033	.967	.033
MAR 29-APR 4	.961	.039	.961	.039	.961	.039
APR 5-APR 11	.954	.046	.954	.046	.954	.046
APR 12-APR 18	.946	.054	.946	.054	.946	.054
APR 19-APR 25	.938	.062	.941	.059	.893	.107
APR 26-MAY 2	.930	.070	.936	.064	.850	.150
MAY 3-MAY 9	.923	.077	.931	.069	.827	.173
MAY 10-MAY 16	.916	.084	.927	.073	.796	.204
MAY 17-MAY 23	.910	.090	.923	.077	.779	.221
MAY 24-MAY 30	.906	.094	.919	.081	.781	.219
MAY 31-JUN 6	.903	.097	.916	.084	.782	.218
JUN 7-JUN 13	.902	.098	.913	.087	.801	.199
JUN 14-JUN 20	.902	.098	.911	.089	.819	.181
JUN 21-JUN 27	.903	.097	.909	.091	.847	.153
JUN 28-JUL 4	.904	.096	.908	.092	.866	.134
JUL 5-JUL 11	.906	.094	.907	.093	.896	.104
JUL 12-JUL 18	.908	.092	.908	.092	.908	.092
JUL 19-JUL 25	.910	.090	.910	.090	.910	.090
JUL 26-AUG 1	.911	.089	.911	.089	.911	.089
AUG 2-AUG 8	.912	.088	.912	.088	.912	.088
AUG 9-AUG 15	.913	.087	.914	.086	.903	.097
AUG 16-AUG 22	.914	.086	.917	.083	.882	.118
AUG 23-AUG 29	.915	.085	.920	.080	.861	.139
AUG 30-SEP 5	.916	.084	.924	.076	.829	.171
SEP 6-SEP 12	.918	.082	.929	.071	.795	.205
SEP 13-SEP 19	.921	.079	.933	.067	.781	.219
SEP 20-SEP 26	.926	.074	.938	.062	.776	.224
SEP 27-OCT 3	.931	.069	.943	.057	.769	.231
OCT 4-OCT 10	.938	.062	.948	.052	.787	.213
OCT 11-OCT 17	.945	.055	.953	.047	.808	.192
OCT 18-OCT 24	.953	.047	.958	.042	.852	.148
OCT 25-OCT 31	.962	.038	.963	.037	.937	.063
NOV 1-NOV 7	.970	.030	.970	.030	.970	.030
NOV 8-NOV 14	.976	.024	.976	.024	.976	.024
NOV 15-NOV 21	.982	.018	.982	.018	.982	.018
NOV 22-NOV 28	.986	.014	.986	.014	.986	.014
NOV 29-DEC 5	.989	.011	.989	.011	.989	.011
DEC 6-DEC 12	.991	.009	.991	.009	.991	.009
DEC 13-DEC 19	.991	.009	.991	.009	.991	.009
DEC 20-DEC 26	.990	.010	.990	.010	.990	.010
DEC 27-JAN 2	.988	.012	.988	.012	.988	.012
JAN 3-JAN 9	.987	.013	.987	.013	.987	.013
JAN 10-JAN 16	.985	.015	.985	.015	.985	.015
JAN 17-JAN 23	.983	.017	.983	.017	.983	.017
JAN 24-JAN 30	.981	.019	.981	.019	.981	.019
JAN 31-FEB 6	.980	.020	.980	.020	.980	.020
FEB 7-FEB 13	.980	.020	.980	.020	.980	.020
FEB 14-FEB 20	.979	.021	.979	.021	.979	.021
FEB 21-FEB 27	.978	.022	.978	.022	.978	.022

PROBABILITY THAT A GIVEN DAY WILL BE WET OR DRY

WET DAY - AT LEAST .01 INCHES

PERIOD OF	INITIAL		TRANSITION			
	DRY	WET	DRY/DRY	WET/DRY	DRY/WET	WET/WET
MAR 1-MAR 7	.824	.176	.851	.149	.698	.302
MAR 8-MAR 14	.799	.201	.842	.158	.628	.372
MAR 15-MAR 21	.780	.220	.833	.167	.592	.408
MAR 22-MAR 28	.774	.226	.823	.177	.606	.394
MAR 29-APR 4	.778	.222	.814	.186	.652	.348
APR 5-APR 11	.781	.219	.805	.195	.695	.305
APR 12-APR 18	.771	.229	.796	.204	.687	.313
APR 19-APR 25	.746	.254	.788	.212	.623	.377
APR 26-MAY 2	.718	.282	.780	.220	.560	.440
MAY 3-MAY 9	.698	.302	.773	.227	.525	.475
MAY 10-MAY 16	.692	.308	.767	.233	.523	.477
MAY 17-MAY 23	.696	.304	.761	.239	.547	.453
MAY 24-MAY 30	.699	.301	.757	.243	.564	.436
MAY 31-JUN 6	.694	.306	.754	.246	.558	.442
JUN 7-JUN 13	.686	.314	.751	.249	.544	.456
JUN 14-JUN 20	.685	.315	.750	.250	.544	.456
JUN 21-JUN 27	.699	.301	.750	.250	.581	.419
JUN 28-JUL 4	.726	.274	.751	.249	.660	.340
JUL 5-JUL 11	.751	.249	.754	.246	.742	.258
JUL 12-JUL 18	.764	.236	.764	.236	.764	.236
JUL 19-JUL 25	.761	.239	.761	.239	.761	.239
JUL 26-AUG 1	.751	.249	.767	.233	.703	.297
AUG 2-AUG 8	.748	.252	.773	.227	.674	.326
AUG 9-AUG 15	.758	.242	.780	.220	.689	.311
AUG 16-AUG 22	.773	.227	.788	.212	.722	.278
AUG 23-AUG 29	.785	.215	.796	.204	.745	.255
AUG 30-SEP 5	.787	.213	.805	.195	.720	.280
SEP 6-SEP 12	.782	.218	.814	.186	.667	.333
SEP 13-SEP 19	.783	.217	.824	.176	.635	.365
SEP 20-SEP 26	.796	.204	.833	.167	.652	.348
SEP 27-OCT 3	.821	.179	.842	.158	.725	.275
OCT 4-OCT 10	.843	.157	.852	.148	.795	.205
OCT 11-OCT 17	.853	.147	.861	.139	.807	.193
OCT 18-OCT 24	.847	.153	.869	.131	.725	.275
OCT 25-OCT 31	.835	.165	.877	.123	.622	.378
NOV 1-NOV 7	.829	.171	.884	.116	.562	.438
NOV 8-NOV 14	.835	.165	.890	.110	.557	.443
NOV 15-NOV 21	.848	.152	.896	.104	.580	.420
NOV 22-NOV 28	.859	.141	.900	.100	.609	.391
NOV 29-DEC 5	.861	.139	.903	.097	.601	.399
DEC 6-DEC 12	.856	.144	.906	.094	.559	.441
DEC 13-DEC 19	.856	.144	.907	.093	.553	.447
DEC 20-DEC 26	.867	.133	.907	.093	.606	.394
DEC 27-JAN 2	.890	.110	.906	.094	.761	.239
JAN 3-JAN 9	.909	.091	.909	.091	.909	.091
JAN 10-JAN 16	.914	.086	.914	.086	.914	.086
JAN 17-JAN 23	.902	.098	.902	.098	.902	.098
JAN 24-JAN 30	.880	.120	.891	.109	.799	.201
JAN 31-FEB 6	.861	.139	.885	.115	.712	.288
FEB 7-FEB 13	.853	.147	.878	.122	.708	.292
FEB 14-FEB 20	.851	.149	.870	.130	.742	.258
FEB 21-FEB 27	.845	.155	.861	.139	.758	.242

PROBABILITY THAT A GIVEN DAY WILL BE WET OR DRY

WET DAY - AT LEAST .10 INCHES

PERIOD OF	INITIAL		TRANSITION			
	DRY	WET	DRY/DRY	WET/DRY	DRY/WET	WET/WET
MAR 1-MAR 7	.895	.105	.902	.098	.835	.165
MAR 8-MAR 14	.883	.117	.894	.106	.800	.200
MAR 15-MAR 21	.870	.130	.885	.115	.770	.230
MAR 22-MAR 28	.856	.144	.876	.124	.737	.263
MAR 29-APR 4	.842	.158	.867	.133	.709	.291
APR 5-APR 11	.829	.171	.858	.142	.688	.312
APR 12-APR 18	.817	.183	.850	.150	.670	.330
APR 19-APR 25	.804	.196	.842	.158	.648	.352
APR 26-MAY 2	.794	.206	.834	.166	.640	.360
MAY 3-MAY 9	.786	.214	.827	.173	.635	.365
MAY 10-MAY 16	.778	.222	.820	.180	.631	.369
MAY 17-MAY 23	.773	.227	.815	.185	.630	.370
MAY 24-MAY 30	.770	.230	.810	.190	.636	.364
MAY 31-JUN 6	.768	.232	.806	.194	.642	.358
JUN 7-JUN 13	.769	.231	.803	.197	.656	.344
JUN 14-JUN 20	.770	.230	.802	.198	.663	.337
JUN 21-JUN 27	.774	.226	.801	.199	.682	.318
JUN 28-JUL 4	.778	.222	.801	.199	.697	.303
JUL 5-JUL 11	.784	.216	.803	.197	.715	.285
JUL 12-JUL 18	.791	.209	.805	.195	.738	.262
JUL 19-JUL 25	.798	.202	.809	.191	.755	.245
JUL 26-AUG 1	.805	.195	.813	.187	.772	.228
AUG 2-AUG 8	.813	.187	.818	.182	.791	.209
AUG 9-AUG 15	.821	.179	.824	.176	.807	.193
AUG 16-AUG 22	.828	.172	.831	.169	.814	.186
AUG 23-AUG 29	.835	.165	.839	.161	.815	.185
AUG 30-SEP 5	.842	.158	.847	.153	.815	.185
SEP 6-SEP 12	.848	.152	.855	.145	.809	.191
SEP 13-SEP 19	.854	.146	.864	.136	.796	.204
SEP 20-SEP 26	.859	.141	.873	.127	.774	.226
SEP 27-OCT 3	.865	.135	.882	.118	.756	.244
OCT 4-OCT 10	.872	.128	.891	.109	.743	.257
OCT 11-OCT 17	.877	.123	.899	.101	.720	.280
OCT 18-OCT 24	.883	.117	.907	.093	.702	.298
OCT 25-OCT 31	.888	.112	.915	.085	.674	.326
NOV 1-NOV 7	.894	.106	.922	.078	.658	.342
NOV 8-NOV 14	.900	.100	.929	.071	.639	.361
NOV 15-NOV 21	.906	.094	.934	.066	.636	.364
NOV 22-NOV 28	.912	.088	.939	.061	.632	.368
NOV 29-DEC 5	.918	.082	.943	.057	.638	.362
DEC 6-DEC 12	.925	.075	.946	.054	.666	.334
DEC 13-DEC 19	.929	.071	.948	.052	.680	.320
DEC 20-DEC 26	.934	.066	.949	.051	.722	.278
DEC 27-JAN 2	.937	.063	.949	.051	.759	.241
JAN 3-JAN 9	.939	.061	.947	.053	.816	.184
JAN 10-JAN 16	.939	.061	.945	.055	.847	.153
JAN 17-JAN 23	.938	.062	.941	.059	.893	.107
JAN 24-JAN 30	.936	.064	.937	.063	.921	.079
JAN 31-FEB 6	.931	.069	.932	.068	.918	.082
FEB 7-FEB 13	.925	.075	.926	.074	.913	.087
FEB 14-FEB 20	.916	.084	.919	.081	.883	.117
FEB 21-FEB 27	.907	.093	.911	.089	.868	.132

PROBABILITY THAT A GIVEN DAY WILL BE WET OR DRY

WET DAY - AT LEAST .20 INCHES

PERIOD OF	INITIAL		TRANSITION			
	DRY	WET	DRY/DRY	WET/DRY	DRY/WET	WET/WET
MAR 1-MAR 7	.937	.063	.937	.063	.937	.063
MAR 8-MAR 14	.927	.073	.929	.071	.902	.098
MAR 15-MAR 21	.914	.086	.921	.079	.840	.160
MAR 22-MAR 28	.903	.097	.913	.087	.810	.190
MAR 29-APR 4	.891	.109	.905	.095	.777	.223
APR 5-APR 11	.879	.121	.897	.103	.748	.252
APR 12-APR 18	.867	.133	.889	.111	.724	.276
APR 19-APR 25	.856	.144	.882	.118	.701	.299
APR 26-MAY 2	.847	.153	.875	.125	.692	.308
MAY 3-MAY 9	.839	.161	.868	.132	.688	.312
MAY 10-MAY 16	.832	.168	.862	.138	.683	.317
MAY 17-MAY 23	.827	.173	.856	.144	.688	.312
MAY 24-MAY 30	.823	.177	.852	.148	.688	.312
MAY 31-JUN 6	.821	.179	.848	.152	.697	.303
JUN 7-JUN 13	.821	.179	.845	.155	.711	.289
JUN 14-JUN 20	.822	.178	.843	.157	.725	.275
JUN 21-JUN 27	.825	.175	.842	.158	.745	.255
JUN 28-JUL 4	.828	.172	.842	.158	.761	.239
JUL 5-JUL 11	.832	.168	.843	.157	.778	.222
JUL 12-JUL 18	.838	.162	.844	.156	.807	.193
JUL 19-JUL 25	.843	.157	.847	.153	.822	.178
JUL 26-AUG 1	.849	.151	.851	.149	.838	.162
AUG 2-AUG 8	.855	.145	.855	.145	.855	.145
AUG 9-AUG 15	.861	.139	.861	.139	.861	.139
AUG 16-AUG 22	.867	.133	.867	.133	.867	.133
AUG 23-AUG 29	.874	.126	.874	.126	.874	.126
AUG 30-SEP 5	.880	.120	.880	.120	.880	.120
SEP 6-SEP 12	.885	.115	.887	.113	.870	.130
SEP 13-SEP 19	.890	.110	.895	.105	.850	.150
SEP 20-SEP 26	.895	.105	.903	.097	.827	.173
SEP 27-OCT 3	.900	.100	.911	.089	.801	.199
OCT 4-OCT 10	.905	.095	.919	.081	.772	.228
OCT 11-OCT 17	.910	.090	.927	.073	.738	.262
OCT 18-OCT 24	.916	.084	.934	.066	.720	.280
OCT 25-OCT 31	.921	.079	.941	.059	.688	.312
NOV 1-NOV 7	.928	.072	.948	.052	.670	.330
NOV 8-NOV 14	.934	.066	.954	.046	.651	.349
NOV 15-NOV 21	.940	.060	.960	.040	.627	.373
NOV 22-NOV 28	.946	.054	.964	.036	.631	.369
NOV 29-DEC 5	.952	.048	.968	.032	.635	.365
DEC 6-DEC 12	.957	.043	.971	.029	.645	.355
DEC 13-DEC 19	.962	.038	.973	.027	.684	.316
DEC 20-DEC 26	.967	.033	.975	.025	.733	.267
DEC 27-JAN 2	.970	.030	.970	.030	.970	.030
JAN 3-JAN 9	.973	.027	.973	.027	.973	.027
JAN 10-JAN 16	.974	.026	.974	.026	.974	.026
JAN 17-JAN 23	.973	.027	.973	.027	.973	.027
JAN 24-JAN 30	.971	.029	.971	.029	.971	.029
JAN 31-FEB 6	.968	.032	.968	.032	.968	.032
FEB 7-FEB 13	.963	.037	.963	.037	.963	.037
FEB 14-FEB 20	.956	.044	.956	.044	.956	.044
FEB 21-FEB 27	.948	.052	.948	.052	.948	.052

PROBABILITY THAT A GIVEN DAY WILL BE WET OR DRY

WET DAY - AT LEAST .50 INCHES

PERIOD CF	INITIAL		TRANSITION			
	DRY	WET	DRY/DRY	WET/DRY	DRY/WET	WET/WET
MAR 1-MAR 7	.982	.018	.982	.018	.982	.018
MAR 8-MAR 14	.982	.018	.982	.018	.982	.018
MAR 15-MAR 21	.981	.019	.981	.019	.981	.019
MAR 22-MAR 28	.976	.024	.976	.024	.976	.024
MAR 29-APR 4	.966	.034	.966	.034	.966	.034
APR 5-APR 11	.952	.048	.952	.048	.952	.048
APR 12-APR 18	.937	.063	.944	.056	.833	.167
APR 19-APR 25	.925	.075	.937	.063	.777	.223
APR 26-MAY 2	.917	.083	.929	.071	.784	.216
MAY 3-MAY 9	.914	.086	.923	.077	.818	.182
MAY 10-MAY 16	.911	.089	.917	.083	.850	.150
MAY 17-MAY 23	.905	.095	.912	.088	.838	.162
MAY 24-MAY 30	.898	.102	.909	.091	.801	.199
MAY 31-JUN 6	.891	.109	.906	.094	.768	.232
JUN 7-JUN 13	.888	.112	.905	.095	.753	.247
JUN 14-JUN 20	.892	.108	.904	.096	.793	.207
JUN 21-JUN 27	.900	.100	.905	.095	.855	.145
JUN 28-JUL 4	.910	.090	.910	.090	.910	.090
JUL 5-JUL 11	.917	.083	.917	.083	.917	.083
JUL 12-JUL 18	.921	.079	.921	.079	.921	.079
JUL 19-JUL 25	.920	.080	.920	.080	.920	.080
JUL 26-AUG 1	.920	.080	.922	.078	.897	.103
AUG 2-AUG 8	.922	.078	.926	.074	.875	.125
AUG 9-AUG 15	.929	.071	.931	.069	.903	.097
AUG 16-AUG 22	.937	.063	.937	.063	.937	.063
AUG 23-AUG 29	.943	.057	.943	.057	.943	.057
AUG 30-SEP 5	.944	.056	.944	.056	.944	.056
SEP 6-SEP 12	.942	.058	.948	.052	.845	.155
SEP 13-SEP 19	.938	.062	.952	.048	.726	.274
SEP 20-SEP 26	.938	.062	.955	.045	.681	.319
SEP 27-OCT 3	.942	.058	.958	.042	.682	.318
OCT 4-OCT 10	.951	.049	.961	.039	.757	.243
OCT 11-OCT 17	.960	.040	.964	.036	.864	.136
OCT 18-OCT 24	.967	.033	.967	.033	.967	.033
OCT 25-OCT 31	.970	.030	.970	.030	.970	.030
NOV 1-NOV 7	.970	.030	.970	.030	.970	.030
NOV 8-NOV 14	.970	.030	.970	.030	.970	.030
NOV 15-NOV 21	.974	.026	.974	.026	.974	.026
NOV 22-NOV 28	.982	.018	.982	.018	.982	.018
NOV 29-DEC 5	.990	.010	.990	.010	.990	.010
DEC 6-DEC 12	.996	.004	.996	.004	.996	.004
DEC 13-DEC 19	.997	.003	.997	.003	.997	.003
DEC 20-DEC 26	.993	.007	.993	.007	.993	.007
DEC 27-JAN 2	.988	.012	.988	.012	.988	.012
JAN 3-JAN 9	.986	.014	.986	.014	.986	.014
JAN 10-JAN 16	.988	.012	.988	.012	.988	.012
JAN 17-JAN 23	.993	.007	.993	.007	.993	.007
JAN 24-JAN 30	.998	.002	.998	.002	.998	.002
JAN 31-FEB 6	.999	.001	.999	.001	.999	.001
FEB 7-FEB 13	.997	.003	.997	.003	.997	.003
FEB 14-FEB 20	.991	.009	.991	.009	.991	.009
FEB 21-FEB 27	.985	.015	.985	.015	.985	.015

PROBABILITY THAT A GIVEN DAY WILL BE WET OR DRY

WET DAY - AT LEAST .01 INCHES

PERIOD OF	INITIAL		TRANSITION			
	DRY	WET	DRY/DRY	WET/DRY	DRY/WET	WET/WET
MAR 1-MAR 7	.782	.218	.825	.175	.628	.372
MAR 8-MAR 14	.762	.238	.805	.195	.624	.376
MAR 15-MAR 21	.753	.247	.787	.213	.649	.351
MAR 22-MAR 28	.751	.249	.784	.216	.651	.349
MAR 29-APR 4	.746	.254	.793	.207	.608	.392
APR 5-APR 11	.733	.267	.803	.197	.541	.459
APR 12-APR 18	.717	.283	.800	.200	.507	.493
APR 19-APR 25	.703	.297	.780	.220	.521	.479
APR 26-MAY 2	.690	.310	.750	.250	.556	.444
MAY 3-MAY 9	.676	.324	.727	.273	.570	.430
MAY 10-MAY 16	.659	.341	.718	.282	.545	.455
MAY 17-MAY 23	.648	.352	.721	.279	.514	.486
MAY 24-MAY 30	.647	.353	.725	.275	.504	.496
MAY 31-JUN 6	.653	.347	.720	.280	.527	.473
JUN 7-JUN 13	.661	.339	.708	.292	.569	.431
JUN 14-JUN 20	.663	.337	.699	.301	.592	.408
JUN 21-JUN 27	.663	.337	.705	.295	.580	.420
JUN 28-JUL 4	.671	.329	.726	.274	.559	.441
JUL 5-JUL 11	.691	.309	.749	.251	.561	.439
JUL 12-JUL 18	.716	.284	.760	.240	.605	.395
JUL 19-JUL 25	.731	.269	.754	.246	.668	.332
JUL 26-AUG 1	.724	.276	.740	.260	.682	.318
AUG 2-AUG 8	.708	.292	.730	.270	.655	.345
AUG 9-AUG 15	.702	.298	.736	.264	.622	.378
AUG 16-AUG 22	.716	.284	.753	.247	.623	.377
AUG 23-AUG 29	.744	.256	.770	.230	.668	.332
AUG 30-SEP 5	.761	.239	.779	.221	.704	.296
SEP 6-SEP 12	.758	.242	.779	.221	.692	.308
SEP 13-SEP 19	.746	.254	.782	.218	.640	.360
SEP 20-SEP 26	.746	.254	.797	.203	.596	.404
SEP 27-OCT 3	.771	.229	.826	.174	.586	.414
OCT 4-OCT 10	.808	.192	.856	.144	.606	.394
OCT 11-OCT 17	.832	.168	.874	.126	.624	.376
OCT 18-OCT 24	.828	.172	.873	.127	.611	.389
OCT 25-OCT 31	.806	.194	.861	.139	.577	.423
NOV 1-NOV 7	.793	.207	.851	.149	.571	.429
NOV 8-NOV 14	.804	.196	.855	.145	.595	.405
NOV 15-NOV 21	.831	.169	.869	.131	.644	.356
NOV 22-NOV 28	.853	.147	.882	.118	.685	.315
NOV 29-DEC 5	.852	.148	.885	.115	.662	.338
DEC 6-DEC 12	.836	.164	.877	.123	.627	.373
DEC 13-DEC 19	.829	.171	.871	.129	.625	.375
DEC 20-DEC 26	.845	.155	.875	.125	.681	.319
DEC 27-JAN 2	.875	.125	.892	.108	.756	.244
JAN 3-JAN 9	.896	.104	.910	.090	.775	.225
JAN 10-JAN 16	.893	.107	.915	.085	.709	.291
JAN 17-JAN 23	.871	.129	.900	.100	.675	.325
JAN 24-JAN 30	.846	.154	.874	.126	.692	.308
JAN 31-FEB 6	.836	.164	.850	.150	.765	.235
FEB 7-FEB 13	.836	.164	.838	.162	.826	.174
FEB 14-FEB 20	.831	.169	.838	.162	.797	.203
FEB 21-FEB 27	.813	.187	.837	.163	.709	.291

PROBABILITY THAT A GIVEN DAY WILL BE WET OR DRY

WET DAY - AT LEAST .50 INCHES

PERIOD CF	INITIAL		TRANSITION			
	DRY	WET	DRY/DRY	WET/DRY	DRY/WET	WET/WET
MAR 1-MAR 7	.982	.018	.982	.018	.982	.018
MAR 8-MAR 14	.982	.018	.982	.018	.982	.018
MAR 15-MAR 21	.981	.019	.981	.019	.981	.019
MAR 22-MAR 28	.976	.024	.976	.024	.976	.024
MAR 29-APR 4	.966	.034	.966	.034	.966	.034
APR 5-APR 11	.952	.048	.952	.048	.952	.048
APR 12-APR 18	.937	.063	.944	.056	.833	.167
APR 19-APR 25	.925	.075	.937	.063	.777	.223
APR 26-MAY 2	.917	.083	.929	.071	.784	.216
MAY 3-MAY 9	.914	.086	.923	.077	.818	.182
MAY 10-MAY 16	.911	.089	.917	.083	.850	.150
MAY 17-MAY 23	.905	.095	.912	.088	.838	.162
MAY 24-MAY 30	.898	.102	.909	.091	.801	.199
MAY 31-JUN 6	.891	.109	.906	.094	.768	.232
JUN 7-JUN 13	.888	.112	.905	.095	.753	.247
JUN 14-JUN 20	.892	.108	.904	.096	.793	.207
JUN 21-JUN 27	.900	.100	.905	.095	.855	.145
JUN 28-JUL 4	.910	.090	.910	.090	.910	.090
JUL 5-JUL 11	.917	.083	.917	.083	.917	.083
JUL 12-JUL 18	.921	.079	.921	.079	.921	.079
JUL 19-JUL 25	.920	.080	.920	.080	.920	.080
JUL 26-AUG 1	.920	.080	.922	.078	.897	.103
AUG 2-AUG 8	.922	.078	.926	.074	.875	.125
AUG 9-AUG 15	.929	.071	.931	.069	.903	.097
AUG 16-AUG 22	.937	.063	.937	.063	.937	.063
AUG 23-AUG 29	.943	.057	.943	.057	.943	.057
AUG 30-SEP 5	.944	.056	.944	.056	.944	.056
SEP 6-SEP 12	.942	.058	.948	.052	.845	.155
SEP 13-SEP 19	.938	.062	.952	.048	.726	.274
SEP 20-SEP 26	.938	.062	.955	.045	.681	.319
SEP 27-OCT 3	.942	.058	.958	.042	.682	.318
OCT 4-OCT 10	.951	.049	.961	.039	.757	.243
OCT 11-OCT 17	.960	.040	.964	.036	.864	.136
OCT 18-OCT 24	.967	.033	.967	.033	.967	.033
OCT 25-OCT 31	.970	.030	.970	.030	.970	.030
NOV 1-NOV 7	.970	.030	.970	.030	.970	.030
NOV 8-NOV 14	.970	.030	.970	.030	.970	.030
NOV 15-NOV 21	.974	.026	.974	.026	.974	.026
NOV 22-NOV 28	.982	.018	.982	.018	.982	.018
NOV 29-DEC 5	.990	.010	.990	.010	.990	.010
DEC 6-DEC 12	.996	.004	.996	.004	.996	.004
DEC 13-DEC 19	.997	.003	.997	.003	.997	.003
DEC 20-DEC 26	.993	.007	.993	.007	.993	.007
DEC 27-JAN 2	.988	.012	.988	.012	.988	.012
JAN 3-JAN 9	.986	.014	.986	.014	.986	.014
JAN 10-JAN 16	.988	.012	.988	.012	.988	.012
JAN 17-JAN 23	.993	.007	.993	.007	.993	.007
JAN 24-JAN 30	.998	.002	.998	.002	.998	.002
JAN 31-FEB 6	.999	.001	.999	.001	.999	.001
FEB 7-FEB 13	.997	.003	.997	.003	.997	.003
FEB 14-FEB 20	.991	.009	.991	.009	.991	.009
FEB 21-FEB 27	.985	.015	.985	.015	.985	.015

PROBABILITY THAT A GIVEN DAY WILL BE WET OR DRY

WET DAY - AT LEAST .01 INCHES

PERIOD OF	INITIAL		TRANSITION			
	DRY	WET	DRY/DRY	WET/DRY	DRY/WET	WET/WET
MAR 1-MAR 7	.782	.218	.825	.175	.628	.372
MAR 8-MAR 14	.762	.238	.805	.195	.624	.376
MAR 15-MAR 21	.753	.247	.787	.213	.649	.351
MAR 22-MAR 28	.751	.249	.784	.216	.651	.349
MAR 29-APR 4	.746	.254	.793	.207	.608	.392
APR 5-APR 11	.733	.267	.803	.197	.541	.459
APR 12-APR 18	.717	.283	.800	.200	.507	.493
APR 19-APR 25	.703	.297	.780	.220	.521	.479
APR 26-MAY 2	.690	.310	.750	.250	.556	.444
MAY 3-MAY 9	.676	.324	.727	.273	.570	.430
MAY 10-MAY 16	.659	.341	.718	.282	.545	.455
MAY 17-MAY 23	.648	.352	.721	.279	.514	.486
MAY 24-MAY 30	.647	.353	.725	.275	.504	.496
MAY 31-JUN 6	.653	.347	.720	.280	.527	.473
JUN 7-JUN 13	.661	.339	.708	.292	.569	.431
JUN 14-JUN 20	.663	.337	.699	.301	.592	.408
JUN 21-JUN 27	.663	.337	.705	.295	.580	.420
JUN 28-JUL 4	.671	.329	.726	.274	.559	.441
JUL 5-JUL 11	.691	.309	.749	.251	.561	.439
JUL 12-JUL 18	.716	.284	.760	.240	.605	.395
JUL 19-JUL 25	.731	.269	.754	.246	.668	.332
JUL 26-AUG 1	.724	.276	.740	.260	.682	.318
AUG 2-AUG 8	.708	.292	.730	.270	.655	.345
AUG 9-AUG 15	.702	.298	.736	.264	.622	.378
AUG 16-AUG 22	.716	.284	.753	.247	.623	.377
AUG 23-AUG 29	.744	.256	.770	.230	.668	.332
AUG 30-SEP 5	.761	.239	.779	.221	.704	.296
SEP 6-SEP 12	.758	.242	.779	.221	.692	.308
SEP 13-SEP 19	.746	.254	.782	.218	.640	.360
SEP 20-SEP 26	.746	.254	.797	.203	.596	.404
SEP 27-OCT 3	.771	.229	.826	.174	.586	.414
OCT 4-OCT 10	.808	.192	.856	.144	.606	.394
OCT 11-OCT 17	.832	.168	.874	.126	.624	.376
OCT 18-OCT 24	.828	.172	.873	.127	.611	.389
OCT 25-OCT 31	.806	.194	.861	.139	.577	.423
NOV 1-NOV 7	.793	.207	.851	.149	.571	.429
NOV 8-NOV 14	.804	.196	.855	.145	.595	.405
NOV 15-NOV 21	.831	.169	.869	.131	.644	.356
NOV 22-NOV 28	.853	.147	.882	.118	.685	.315
NOV 29-DEC 5	.852	.148	.885	.115	.662	.338
DEC 6-DEC 12	.836	.164	.877	.123	.627	.373
DEC 13-DEC 19	.829	.171	.871	.129	.625	.375
DEC 20-DEC 26	.845	.155	.875	.125	.681	.319
DEC 27-JAN 2	.875	.125	.892	.108	.756	.244
JAN 3-JAN 9	.896	.104	.910	.090	.775	.225
JAN 10-JAN 16	.893	.107	.915	.085	.709	.291
JAN 17-JAN 23	.871	.129	.900	.100	.675	.325
JAN 24-JAN 30	.846	.154	.874	.126	.692	.308
JAN 31-FEB 6	.836	.164	.850	.150	.765	.235
FEB 7-FEB 13	.836	.164	.838	.162	.826	.174
FEB 14-FEB 20	.831	.169	.838	.162	.797	.203
FEB 21-FEB 27	.813	.187	.837	.163	.709	.291

PROBABILITY THAT A GIVEN DAY WILL BE WET OR DRY

WET DAY - AT LEAST .10 INCHES

PERIOD OF	INITIAL		TRANSITION			
	DRY	WET	DRY/DRY	WET/DRY	DRY/WET	WET/WET
MAR 1-MAR 7	.902	.098	.902	.098	.902	.098
MAR 8-MAR 14	.885	.115	.885	.115	.885	.115
MAR 15-MAR 21	.865	.135	.869	.131	.839	.161
MAR 22-MAR 28	.849	.151	.862	.138	.776	.224
MAR 29-APR 4	.841	.159	.865	.135	.714	.286
APR 5-APR 11	.837	.163	.872	.128	.657	.343
APR 12-APR 18	.829	.171	.871	.129	.625	.375
APR 19-APR 25	.812	.188	.856	.144	.622	.378
APR 26-MAY 2	.790	.210	.833	.167	.628	.372
MAY 3-MAY 9	.770	.230	.812	.188	.629	.371
MAY 10-MAY 16	.761	.239	.802	.198	.630	.370
MAY 17-MAY 23	.763	.237	.802	.198	.637	.363
MAY 24-MAY 30	.767	.233	.805	.195	.642	.358
MAY 31-JUN 6	.767	.233	.802	.198	.652	.348
JUN 7-JUN 13	.762	.238	.792	.208	.666	.334
JUN 14-JUN 20	.756	.244	.783	.217	.672	.328
JUN 21-JUN 27	.759	.241	.783	.217	.683	.317
JUN 28-JUL 4	.771	.229	.796	.204	.687	.313
JUL 5-JUL 11	.789	.211	.813	.187	.699	.301
JUL 12-JUL 18	.803	.197	.823	.177	.721	.279
JUL 19-JUL 25	.808	.192	.821	.179	.753	.247
JUL 26-AUG 1	.805	.195	.810	.190	.784	.216
AUG 2-AUG 8	.803	.197	.803	.197	.803	.197
AUG 9-AUG 15	.808	.192	.808	.192	.808	.192
AUG 16-AUG 22	.820	.180	.820	.180	.820	.180
AUG 23-AUG 29	.831	.169	.832	.168	.826	.174
AUG 30-SEP 5	.836	.164	.842	.158	.805	.195
SEP 6-SEP 12	.832	.168	.843	.157	.778	.222
SEP 13-SEP 19	.826	.174	.845	.155	.736	.264
SEP 20-SEP 26	.826	.174	.855	.145	.688	.312
SEP 27-OCT 3	.837	.163	.877	.123	.632	.368
OCT 4-OCT 10	.856	.144	.901	.099	.589	.411
OCT 11-OCT 17	.871	.129	.919	.081	.547	.453
OCT 18-OCT 24	.879	.121	.922	.078	.567	.433
OCT 25-OCT 31	.881	.119	.915	.085	.629	.371
NOV 1-NOV 7	.884	.116	.908	.092	.701	.299
NOV 8-NOV 14	.895	.105	.911	.089	.759	.241
NOV 15-NOV 21	.915	.085	.923	.077	.829	.171
NOV 22-NOV 28	.932	.068	.935	.065	.891	.109
NOV 29-DEC 5	.942	.058	.942	.058	.942	.058
DEC 6-DEC 12	.940	.060	.940	.060	.940	.060
DEC 13-DEC 19	.934	.066	.934	.066	.934	.066
DEC 20-DEC 26	.931	.069	.934	.066	.891	.109
DEC 27-JAN 2	.935	.065	.945	.055	.791	.209
JAN 3-JAN 9	.943	.057	.960	.040	.662	.338
JAN 10-JAN 16	.946	.054	.967	.033	.578	.422
JAN 17-JAN 23	.940	.060	.959	.041	.642	.358
JAN 24-JAN 30	.926	.074	.940	.060	.751	.249
JAN 31-FEB 6	.912	.088	.920	.080	.829	.171
FEB 7-FEB 13	.906	.094	.910	.090	.867	.133
FEB 14-FEB 20	.907	.093	.908	.092	.897	.103
FEB 21-FEB 27	.909	.091	.909	.091	.909	.091

PROBABILITY THAT A GIVEN DAY WILL BE WET OR DRY

WET DAY - AT LEAST .20 INCHES

PERIOD OF	INITIAL		TRANSITION			
	DRY	WET	DRY/DRY	WET/DRY	DRY/WET	WET/WET
MAR 1-MAR 7	.936	.064	.950	.050	.731	.269
MAR 8-MAR 14	.929	.071	.938	.062	.811	.189
MAR 15-MAR 21	.920	.080	.921	.079	.909	.092
MAR 22-MAR 28	.909	.091	.909	.091	.909	.091
MAR 29-APR 4	.897	.103	.900	.100	.871	.129
APR 5-APR 11	.884	.116	.897	.103	.785	.215
APR 12-APR 18	.870	.130	.891	.109	.729	.271
APR 19-APR 25	.857	.143	.877	.123	.737	.263
APR 26-MAY 2	.843	.157	.857	.143	.768	.232
MAY 3-MAY 9	.832	.168	.839	.161	.797	.203
MAY 10-MAY 16	.824	.176	.830	.170	.796	.204
MAY 17-MAY 23	.817	.183	.831	.169	.754	.246
MAY 24-MAY 30	.814	.186	.836	.164	.718	.282
MAY 31-JUN 6	.814	.186	.838	.162	.709	.291
JUN 7-JUN 13	.816	.184	.833	.167	.741	.259
JUN 14-JUN 20	.820	.180	.827	.173	.788	.212
JUN 21-JUN 27	.827	.173	.827	.173	.827	.173
JUN 28-JUL 4	.834	.166	.837	.163	.819	.181
JUL 5-JUL 11	.842	.158	.852	.148	.789	.211
JUL 12-JUL 18	.849	.151	.865	.135	.759	.241
JUL 19-JUL 25	.856	.144	.868	.132	.785	.215
JUL 26-AUG 1	.861	.139	.865	.135	.836	.164
AUG 2-AUG 8	.865	.135	.865	.135	.865	.135
AUG 9-AUG 15	.867	.133	.867	.133	.867	.133
AUG 16-AUG 22	.869	.131	.873	.127	.842	.158
AUG 23-AUG 29	.870	.130	.884	.116	.776	.224
AUG 30-SEP 5	.871	.129	.890	.110	.743	.257
SEP 6-SEP 12	.872	.128	.887	.113	.770	.230
SEP 13-SEP 19	.874	.126	.882	.118	.819	.181
SEP 20-SEP 26	.878	.122	.882	.118	.849	.151
SEP 27-OCT 3	.884	.116	.892	.108	.823	.177
OCT 4-CCT 10	.891	.109	.909	.091	.744	.256
OCT 11-CCT 17	.899	.101	.924	.076	.676	.324
OCT 18-CCT 24	.908	.092	.931	.069	.681	.319
OCT 25-OCT 31	.919	.081	.932	.068	.772	.228
NOV 1-NOV 7	.929	.071	.933	.067	.877	.123
NOV 8-NOV 14	.939	.061	.940	.060	.924	.076
NOV 15-NOV 21	.947	.053	.954	.046	.822	.178
NOV 22-NOV 28	.954	.046	.968	.032	.664	.336
NOV 29-DEC 5	.959	.041	.975	.025	.585	.415
DEC 6-DEC 12	.962	.038	.972	.028	.709	.291
DEC 13-DEC 19	.964	.036	.964	.036	.964	.036
DEC 20-DEC 26	.964	.036	.964	.036	.964	.036
DEC 27-JAN 2	.964	.036	.964	.036	.964	.036
JAN 3-JAN 9	.962	.038	.967	.033	.835	.165
JAN 10-JAN 16	.960	.040	.972	.028	.672	.328
JAN 17-JAN 23	.958	.042	.969	.031	.707	.293
JAN 24-JAN 30	.955	.045	.958	.042	.891	.109
JAN 31-FEB 6	.953	.047	.953	.047	.953	.047
FEB 7-FEB 13	.950	.050	.950	.050	.950	.050
FEB 14-FEB 20	.946	.054	.948	.052	.911	.089
FEB 21-FEB 27	.942	.058	.953	.047	.763	.237

PROBABILITY THAT A GIVEN DAY WILL BE WET OR DRY

WET DAY - AT LEAST .50 INCHES

PERIOD CF	INITIAL		TRANSITION			
	DRY	WET	DRY/DRY	WET/DRY	DRY/WET	WET/WET
MAR 1-MAR 7	.979	.021	.979	.021	.979	.021
MAR 8-MAR 14	.972	.028	.972	.028	.972	.028
MAR 15-MAR 21	.966	.034	.968	.032	.909	.091
MAR 22-MAR 28	.959	.041	.962	.038	.889	.111
MAR 29-APR 4	.952	.048	.955	.045	.893	.107
APR 5-APR 11	.945	.055	.949	.051	.876	.124
APR 12-APR 18	.938	.062	.942	.058	.877	.123
APR 19-APR 25	.931	.069	.935	.065	.877	.123
APR 26-MAY 2	.925	.075	.929	.071	.876	.124
MAY 3-MAY 9	.919	.081	.924	.076	.862	.138
MAY 10-MAY 16	.915	.085	.919	.081	.872	.128
MAY 17-MAY 23	.910	.090	.915	.085	.859	.141
MAY 24-MAY 30	.907	.093	.911	.089	.868	.132
MAY 31-JUN 6	.905	.095	.909	.091	.867	.133
JUN 7-JUN 13	.904	.096	.908	.092	.866	.134
JUN 14-JUN 20	.904	.096	.907	.093	.876	.124
JUN 21-JUN 27	.905	.095	.908	.092	.876	.124
JUN 28-JUL 4	.906	.094	.909	.091	.877	.123
JUL 5-JUL 11	.908	.092	.911	.089	.878	.122
JUL 12-JUL 18	.911	.089	.914	.086	.880	.120
JUL 19-JUL 25	.915	.085	.917	.083	.893	.107
JUL 26-AUG 1	.918	.082	.921	.079	.884	.116
AUG 2-AUG 8	.922	.078	.925	.075	.887	.113
AUG 9-AUG 15	.925	.075	.928	.072	.888	.112
AUG 16-AUG 22	.929	.071	.932	.068	.890	.110
AUG 23-AUG 29	.932	.068	.936	.064	.877	.123
AUG 30-SEP 5	.936	.064	.940	.060	.878	.122
SEP 6-SEP 12	.939	.061	.944	.056	.862	.138
SEP 13-SEP 19	.942	.058	.947	.053	.861	.139
SEP 20-SEP 26	.946	.054	.951	.049	.858	.142
SEP 27-OCT 3	.949	.051	.954	.046	.856	.144
OCT 4-OCT 10	.952	.048	.957	.043	.853	.147
OCT 11-OCT 17	.955	.045	.960	.040	.849	.151
OCT 18-OCT 24	.958	.042	.963	.037	.844	.156
OCT 25-OCT 31	.961	.039	.966	.034	.838	.162
NOV 1-NOV 7	.965	.035	.969	.031	.855	.145
NOV 8-NOV 14	.968	.032	.972	.028	.847	.153
NOV 15-NOV 21	.972	.028	.972	.028	.972	.028
NOV 22-NOV 28	.975	.025	.975	.025	.975	.025
NOV 29-DEC 5	.980	.020	.980	.020	.980	.020
DEC 6-DEC 12	.983	.017	.983	.017	.983	.017
DEC 13-DEC 19	.987	.013	.987	.013	.987	.013
DEC 20-DEC 26	.990	.010	.990	.010	.990	.010
DEC 27-JAN 2	.992	.008	.992	.008	.992	.008
JAN 3-JAN 9	.994	.006	.994	.006	.994	.006
JAN 10-JAN 16	.995	.005	.995	.005	.995	.005
JAN 17-JAN 23	.996	.004	.996	.004	.996	.004
JAN 24-JAN 30	.995	.005	.995	.005	.995	.005
JAN 31-FEB 6	.994	.006	.994	.006	.994	.006
FEB 7-FEB 13	.992	.008	.992	.008	.992	.008
FEB 14-FEB 20	.989	.011	.989	.011	.989	.011
FEB 21-FEB 27	.984	.016	.984	.016	.984	.016

APPENDIX A—SEQUENCES

The following tables list all possible sequences of wet and dry days for periods of length $n = 2, 3, 4,$ and 5 days. The sequences are grouped according to the number of wet days in the sequence (column 1). Each sequence is then numbered for ease in reference.

For a given value of n , two sequences are different if they do not completely coincide in the order in which dry and wet days appear. The total number of possible sequences is 2^n . The sequences for $n = 6$ can be obtained from those shown for $n = 5$ by first adding a "D" to each of the 32 given sequences and then a "W" to form 64 sequences. The new sequences could then be grouped according to the number of wet days they contain.

No. of Wet days	Possible Sequences	Sequence No.
$n = 2$		
0	D, D	1
1	W, D	2
	D, W	3
2	W, W	4

$n = 3$		
0	D, D, D,	1
1	W, D, D	2
	D, W, D	3
	D, D, W	4
	W, W, D	5
2	W, D, W	6
	D, W, W	7
	W, W, W	8

$n = 4$		
0	D, D, D, D	1
1	W, D, D, D	2
	D, W, D, D	3
	D, D, W, D	4
	D, D, D, W	5
	W, W, D, D	6
2	W, D, W, D	7
	W, D, D, W	8
	D, W, W, D	9
	D, W, D, W	10
	D, D, W, W	11
	W, W, W, D	12
3	W, W, D, W	13
	W, D, W, W	14
	D, W, W, W	15
	W, W, W, W	16

No. of Wet days	Possible Sequences	Sequence No.
$n = 5$		
0	D, D, D, D, D	1
1	W, D, D, D, D	2
	D, W, D, D, D	3
	D, D, W, D, D	4
	D, D, D, W, D	5
	D, D, D, D, W	6
	W, W, D, D, D	7
2	W, D, W, D, D	8
	W, D, D, W, D	9
	W, D, D, D, W	10
	D, W, W, D, D	11
	D, W, D, W, D	12
	D, W, D, D, W	13
	D, D, W, W, D	14
	D, D, W, D, W	15
	D, D, D, W, W	16
	W, W, W, D, D	17
3	W, W, D, W, D	18
	W, W, D, D, W	19
	W, D, W, W, D	20
	W, D, W, D, W	21
	W, D, D, W, W	22
	D, W, W, W, D	23
	D, W, W, D, W	24
	D, W, D, W, W	25
	D, D, W, W, W	26
	W, W, W, W, D	27
4	W, W, W, D, W	28
	W, W, D, W, W	29
	W, D, W, W, W	30
	D, W, W, W, W	31
	W, W, W, W, W	32

APPENDIX B—EXAMPLES

Studying the following examples will suggest other uses of the probability tables in this bulletin.

Example #1: In the Midway, U.S.A. area, a particular crop is usually planted between September 10 and September 20. Once the seed is in the ground, the farmer would welcome precipitation. WHAT IS THE PROBABILITY OF NO RAINS EXCEEDING .20 INCH PER DAY OCCURRING IN THE FOURTEEN-DAY PERIOD FOLLOWING PLANTING?

An approximate answer will be obtained using Table 3. The probability sought is that of a sequence of 14 dry days. We will assume that the crop will be planted on a dry day so that the transition probability (Dry/Dry) will be used for all 14 days rather than just the last 13 days. If the crop is planted on or about September 6, then the probability of 14 consecutive dry days would be

$$(.873)^7 (.876)^7 = .153 .$$

If the crop is planted on or about September 20, then the probability of 14 consecutive dry days would be

$$(.883)^7 (.891)^7 = .187 .$$

Thus, on the average, in about 15 to 19 years out of 100, 14 days with no rains exceeding .20 inch per day will follow the day of planting. This also means that there will be at least one day with rainfall greater than .20 inch in the two weeks following the day of planting in about 81 to 85 years out of 100.

Example #2: In the Midway, U.S.A. area, the first crop of alfalfa is usually ready to be cut during the latter half of May. Light rains delay getting it into storage and reduce its nutrient content and heavy rains could mean severe losses.

IF ALFALFA IS CUT ON A PARTICULAR DAY DURING THE WEEK, MAY 17-23, WHAT ARE THE CHANCES OF GETTING IT INTO STORAGE BEFORE PRECIPITATION OCCURS?

We assume that the day the hay is cut is a dry day with no precipitation; that it will take at least 40 hours for the hay to dry. We seek the probability for the following sequence:

	Cutting Day	Drying Day	Storage Day
Sequence:	Dry	Dry	Dry
Probability:	P(D) = 1	P(D/D)	P(D/D)

From Table 1, one obtains

$$P(D, D, D) = (1) (.726) (.726) = .527$$

Thus, there is about a 50-50 chance of getting the hay put up without any measurable precipitation. In this case we take $P(D) = 1$ for the first day, since we assumed that the hay would not be cut if chance for precipitation appeared.

Example #3: Probabilities that one might read or compute from the given tables may of themselves be sufficient for making certain decisions but a more complete answer may involve computation of average economic gains or losses due to prevailing precipitation patterns. Such average gains or losses are easy to compute if an economic value can be associated with each possible sequence of wet and dry days. The economic value need not be stated in dollars but could be stated in bushels, attendance figures, or any unit which is sensible for the given problem.

The formula for computing an average for a three-day period is:

$$\text{Average Value} = [E_1 \times P(S_1)] + [E_2 \times P(S_2)] + \dots + [E_s \times P(S_s)]$$

where

E_i = economic value associated with the i th sequence, $P(S_i)$ = probability that the i th sequence occurs, where $i = 1, 2, \dots, 8$ for this case. In essence the formula "weights" the economic values with the probabilities that the sequences will occur. As mentioned previously, the sum of the weights is 1.

The most difficult problem may be that of determining the economic value to be associated with each sequence of wet and dry days. As usual, some subjective judgments may have to be made. They should not be discouraged if lack of time and money precludes more precise estimates.

To illustrate the use of the formula, consider the problem of estimating the average attendance for a two-day baseball tournament in Midway, U.S.A., July 3rd and 4th. Suppose that a rain in excess of .50 inch on a particular day results in cancellation of the games for that day. The expected attendance and other calculations are shown in the following table.

	Sequences		Probabilities of Sequences	Expected Attendance For Each Sequence
	July 3	July 4		
S_1 :	D	D	$P(S_1) = (.906) (.912) = .826$	4000
S_2 :	W	D	$P(S_2) = (.094) (.851) = .080$	2000
S_3 :	D	W	$P(S_3) = (.906) (.088) = .080$	2000
S_4 :	W	W	$P(S_4) = (.094) (.149) = .014$	0
			<u>1.000</u>	

$$\text{Average Attendance} = (.826) (4000) + (.080) (2000) + (.080) (2000) + (.014) (0) = 3624.$$

The calculated average attendance is not the exact attendance for the coming event. If the figures are realistic, the attendance would be either 0 or 2000 or 4000 for the given event. However, if such an event were held year after year with the same expected attendances, then the average attendance over a large number of years would be in the neighborhood of 3624.

It is readily conceded that this example, and others like it, must of necessity oversimplify, to some extent, the real situation. A rainfall exceeding .50 inch during a preceding night followed by bright sunshine during the day of the game may not be sufficient to cancel a ball game. The attendance figures may be overestimated or underestimated, since they will depend on many other factors. Despite these shortcomings, knowledge of rainfall probabilities helps assess the uncertainty surrounding events and thus reduces the chance of planning an event with a sizable probability of being a "financial disaster" due to the whims of nature.

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