What's the chance of rain?

These tables convert the probability of precipitation (PoP) provided by The Weather Channel
to the observed frequency of precipitation.

Warm Season (April - September)

Lead time (days)	Forecasted Probability of Precipitation (PoP)										
	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
1	0.03	0.05	0.12	0.26	0.47	0.57	0.67	0.86	0.83	0.84	0.91
2	0.03	0.06	0.14	0.29	0.45	0.56	0.63	0.82	0.83	0.94	-
3	0.04	0.09	0.14	0.31	0.50	0.59	0.60	0.92	-	-	-
4	0.05	0.10	0.17	0.32	0.47	0.55	0.58	0.66	-	-	-
5	0.06	0.12	0.16	0.31	0.45	0.46	0.59	-	-	-	-
6	0.07	0.14	0.20	0.32	0.44	0.44	0.47	-	-	-	-
7	0.12	0.16	0.23	0.34	0.42	0.67	0.35	-	-	-	-
8	0.15	0.20	0.23	0.27	0.30	0.31	0.38	-	-	-	-
9	0.17	0.22	0.26	0.28	0.31	0.30	0.36	-	-	-	-
overall	0.09	0.12	0.17	0.31	0.44	0.55	0.42	0.84	0.83	0.87	0.92

N : A total of 349,532 PoP-observation pairs were obtained covering the period from 01 November 2008 to 31 October 2010.

Cool Season (October- March)

Lead time (days)	Forecasted Probability of Precipitation (PoP)										
	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
1	0.02	0.06	0.13	0.32	0.51	0.63	0.71	0.87	0.90	0.94	0.97
2	0.02	0.07	0.13	0.32	0.52	0.67	0.74	0.84	0.90	0.92	0.87
3	0.03	0.08	0.13	0.37	0.65	0.77	0.80	0.90	-	0.91	-
4	0.04	0.10	0.14	0.36	0.61	0.72	0.72	0.85	0.92	-	-
5	0.06	0.11	0.18	0.35	0.57	0.63	0.67	0.92	-	-	-
6	0.06	0.13	0.20	0.34	0.52	0.65	0.54	-	-	-	-
7	0.09	0.17	0.20	0.35	0.47	0.81	0.52	-	-	-	-
8	0.14	0.17	0.18	0.23	0.29	0.38	0.39	-	-	-	-
9	0.14	0.17	0.21	0.23	0.27	0.32	0.40	-	-	-	-
overall	0.07	0.12	0.17	0.32	0.52	0.66	0.48	0.86	0.90	0.93	0.95

N : A total of 365,282 PoP-observation pairs were obtained covering the period from 01 November 2008 to 31 October 2010.

Note: Data is for the Southeastern Climate Region of the US, which includes AL, FL, GA, NC, SC, and VA.
   PoP-lead time pairs with fewer than 30 forecasts are excluded.
Source: Bickel, J.E., E. Floehr, and S-D. Kim. 2011. Comparing NWS PoP Forecasts to Third-Party Providers.
   Monthly Weather Review **139** 3304-3321.