

# What's the chance of rain?

Northeast

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	0.02	0.04	0.11	0.31	0.52	0.59	0.73	0.87	0.90	0.91	0.96
2	0.02	0.05	0.13	0.31	0.49	0.58	0.70	0.81	0.85	0.92	0.96
3	0.03	0.11	0.13	0.36	0.61	0.67	0.74	0.91	-	-	-
4	0.05	0.13	0.15	0.38	0.56	0.61	0.88	0.95	-	-	-
5	0.05	0.15	0.19	0.34	0.53	0.60	0.81	-	-	-	-
6	0.06	0.16	0.21	0.35	0.51	0.56	0.82	-	-	-	-
7	0.18	0.21	0.24	0.32	0.45	0.57	0.43	-	-	-	-
8	0.17	0.21	0.26	0.27	0.31	0.33	0.36	-	-	-	-
9	0.19	0.26	0.27	0.27	0.28	0.27	0.34	-	-	-	-
overall	0.09	0.14	0.18	0.33	0.50	0.58	0.44	0.86	0.88	0.92	0.95

N : A total of 365,018 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	0.04	0.11	0.19	0.37	0.45	0.51	0.77	0.78	0.86	0.90
2	0.02	0.06	0.13	0.23	0.38	0.52	0.58	0.76	0.81	0.91	0.94
3	0.03	0.09	0.12	0.33	0.58	0.57	0.77	0.80	0.86	0.87	-
4	0.04	0.11	0.15	0.33	0.56	0.61	0.75	0.82	0.72	0.98	-
5	0.10	0.13	0.18	0.33	0.52	0.52	0.67	0.76	0.57	1.00	-
6	0.12	0.15	0.20	0.33	0.52	0.56	0.65	0.95	-	-	-
7	0.22	0.17	0.19	0.31	0.54	0.24	0.46	-	-	-	-
8	0.20	0.21	0.22	0.23	0.29	0.34	0.39	-	-	-	-
9	0.19	0.23	0.24	0.27	0.27	0.25	0.35	-	-	-	-
overall	0.11	0.13	0.17	0.29	0.48	0.51	0.44	0.78	0.79	0.88	0.91

N : A total of 336,532 PoP-observation pairs were obtained covering the period from 01 November 2008 to 31 October 2010.

Note: Data is for the Northeast Climate Region of the US, which includes CT, DE, ME, MD, MA, NH, NJ, NY, PA, RI and VT.

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.

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