

What's the chance of rain?

West

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	0.01	0.02	0.07	0.28	0.42	0.64	0.58	0.84	0.95	0.91	-
2	0.01	0.03	0.08	0.36	0.45	0.57	0.63	0.78	0.65	-	-
3	0.01	0.04	0.11	0.30	0.60	0.85	0.46	0.66	-	-	-
4	0.01	0.06	0.11	0.36	0.48	0.83	0.63	0.81	-	-	-
5	0.01	0.06	0.11	0.29	0.49	-	0.60	0.95	-	-	-
6	0.01	0.07	0.10	0.27	0.49	0.33	0.75	-	-	-	-
7	0.02	0.06	0.10	0.26	0.59	-	0.59	-	-	-	-
8	0.02	0.07	0.09	0.22	0.32	-	0.29	-	-	-	-
9	0.02	0.07	0.11	0.18	0.18	-	0.27	-	-	-	-
overall	0.01	0.05	0.10	0.29	0.47	0.60	0.36	0.80	0.78	0.91	1.00

N : A total of 210,545 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	0.01	0.04	0.13	0.31	0.46	0.50	0.65	0.75	0.80	0.92	0.97
2	0.01	0.06	0.19	0.35	0.53	0.57	0.68	0.79	0.87	0.86	0.99
3	0.02	0.08	0.13	0.42	0.57	0.52	0.76	0.81	0.96	-	1.00
4	0.02	0.11	0.14	0.38	0.53	0.51	0.63	0.83	0.96	-	1.00
5	0.03	0.11	0.14	0.37	0.58	0.51	0.47	0.78	1.00	-	-
6	0.03	0.13	0.15	0.35	0.50	0.48	0.55	0.94	-	-	-
7	0.06	0.16	0.17	0.33	0.40	0.13	0.54	-	-	-	-
8	0.06	0.14	0.19	0.29	0.28	0.28	0.39	-	-	-	-
9	0.08	0.16	0.19	0.24	0.24	0.17	0.37	-	-	-	-
overall	0.04	0.11	0.16	0.34	0.48	0.50	0.46	0.79	0.86	0.90	0.97

N : A total of 193,845 PoP-observation pairs were obtained covering the period from 01 November 2008 to 31 October 2010.

Note: Data is for the Western Climate Region of the US, which includes CA and NV.

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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