

# What's the chance of rain?

Southwest

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	0.26	0.45	0.57	0.69	0.73	0.71	-	-
2	0.03	0.07	0.15	0.28	0.47	0.57	0.60	0.74	0.61	-	-
3	0.03	0.10	0.13	0.28	0.44	0.59	0.49	0.79	-	-	-
4	0.04	0.10	0.13	0.28	0.42	0.62	0.34	-	-	-	-
5	0.04	0.11	0.18	0.26	0.40	0.54	0.40	-	-	-	-
6	0.05	0.13	0.16	0.25	0.35	0.40	0.40	-	-	-	-
7	0.07	0.14	0.21	0.25	0.32	-	0.29	-	-	-	-
8	0.08	0.17	0.20	0.17	0.24	0.28	0.27	-	-	-	-
9	0.10	0.17	0.17	0.19	0.23	0.15	0.24	-	-	-	-
overall	0.05	0.12	0.15	0.26	0.38	0.53	0.30	0.74	0.67	0.94	1.00

N : A total of 126,541 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	0.03	0.06	0.20	0.35	0.43	0.48	0.65	0.74	0.75	0.79
2	0.02	0.04	0.09	0.24	0.43	0.51	0.49	0.62	0.76	-	-
3	0.02	0.07	0.08	0.32	0.49	0.63	0.55	0.73	-	-	-
4	0.02	0.08	0.09	0.31	0.47	0.50	0.52	0.76	-	-	-
5	0.03	0.09	0.13	0.30	0.43	0.55	0.32	-	-	-	-
6	0.03	0.11	0.14	0.29	0.34	0.50	0.45	-	-	-	-
7	0.06	0.14	0.17	0.27	0.28	-	0.42	-	-	-	-
8	0.07	0.15	0.15	0.18	0.26	0.26	0.27	-	-	-	-
9	0.07	0.15	0.16	0.19	0.19	0.33	0.24	-	-	-	-
overall	0.04	0.10	0.12	0.27	0.38	0.48	0.32	0.66	0.75	0.78	0.80

N : A total of 116,125 PoP-observation pairs were obtained covering the period from 01 November 2008 to 31 October 2010.

Note: Data is for the Southwestern Climate Region of the US, which includes AZ, CO, NM, and UT.

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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