

***WFO Wichita Public Forecast (SOOVER) Statistics  
for Summer '01 (Jun-Aug)***

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**TEMPERATURES**

The following chart compares CCF, FWC, and MAV average absolute error for the 1<sup>st</sup> 4 periods of the public forecast. It shows CCF improvement over the FWC and MAV guidance. The lower the error, the better.

Station	Average Absolute Error			CCF % Improvement over	
	CCF	FWC	MAV	FWC	MAV
WICHITA	2.53	2.94	3.90	14.1	35.1
CHANUTE	2.58	2.77	3.04	6.8	15.2
RUSSELL	2.67	3.38	4.11	21.2	35.1
SALINA	2.90	3.32	4.34	12.7	33.3
<b>ALL</b>	<b>2.67</b>	<b>3.10</b>	<b>3.85</b>	<b>14.0</b>	<b>30.7</b>

The following chart shows the percentage of the time in each period that temperature forecasts missed by (+/-) 3 degrees or less. The higher the percentage, the better.

Station		CCF	FWC	MAV
WICHITA	1 <sup>st</sup> Pd	80%	78%	73%
	2 <sup>nd</sup> Pd	75	65	52
	3 <sup>rd</sup> Pd	68	67	45
	4 <sup>th</sup> Pd	71	60	48
CHANUTE	1 <sup>st</sup> Pd	77	75	71
	2 <sup>nd</sup> Pd	75	70	62
	3 <sup>rd</sup> Pd	67	63	65
	4 <sup>th</sup> Pd	72	66	61
RUSSELL	1 <sup>st</sup> Pd	78	72	67
	2 <sup>nd</sup> Pd	73	63	50
	3 <sup>rd</sup> Pd	69	60	46
	4 <sup>th</sup> Pd	68	56	43
SALINA	1 <sup>st</sup> Pd	74	69	61
	2 <sup>nd</sup> Pd	70	59	46
	3 <sup>rd</sup> Pd	62	61	42
	4 <sup>th</sup> Pd	65	55	37
<b>ALL</b>	<b>1<sup>st</sup> Pd</b>	<b>77%</b>	<b>73%</b>	<b>68%</b>
	<b>2<sup>nd</sup> Pd</b>	<b>73</b>	<b>64</b>	<b>52</b>
	<b>3<sup>rd</sup> Pd</b>	<b>66</b>	<b>63</b>	<b>49</b>
	<b>4<sup>th</sup> Pd</b>	<b>69</b>	<b>59</b>	<b>47</b>

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**PRECIPITATION**

The following chart shows average brier scores, average WET PoPs (PoPs on days when we had measurable precipitation), and average DRY PoPs (PoPs on days when we did not have measurable precipitation). The lower the brier score, the higher the WET PoP, and the lower the DRY PoP, the better.

Station	CCF	FWC	MAV	CCF % Improvement over	
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<b>WICHITA</b>					
Average Brier Score	.081	.093	.078	12.9	-3.7
Average WET PoP	31%	28%	30%		
Average DRY PoP	11 %	15%	11%		
<b>CHANUTE</b>					
Average Brier Score	.093	.100	.091	7.0	-2.1
Average WET PoP	34%	34%	43%		
Average DRY PoP	12%	15%	16%		
<b>RUSSELL</b>					
Average Brier Score	.101	.114	.095	11.4	-5.9
Average WET PoP	34%	31%	34%		
Average DRY PoP	11%	15%	11%		
<b>SALINA</b>					
Average Brier Score	.090	.110	.086	18.2	-4.4
Average WET PoP	37%	32%	37%		
Average DRY PoP	11%	15%	11%		
<b>ALL</b>					
<b>Average Brier Score</b>	<b>.0912</b>	<b>.1042</b>	<b>.0875</b>	<b>12.5%</b>	<b>-4.1%</b>
<b>Average WET PoP</b>	<b>34%</b>	<b>31%</b>	<b>36%</b>		
<b>Average DRY PoP</b>	<b>11%</b>	<b>15%</b>	<b>12%</b>		