

**WFO Wichita Public Forecast (SOOVER) Statistics
for Winter '02-03 (Dec-Feb)**

TEMPERATURES

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

Station	Average Absolute Error				CCF % Improvement over		
	CCF	FWC	MAV	MET	FWC	MAV	MET
WICHITA	3.46	4.33	3.97	4.68	20.0	12.8	26.1
CHANUTE	3.86	4.72	3.76	5.16	18.1	-2.7	25.1
RUSSELL	3.76	4.78	4.19	4.85	21.4	10.4	22.5
SALINA	3.78	4.39	4.42	4.43	14.1	14.6	14.8
ALL	3.71	4.55	4.08	4.78	18.4	9.1	22.3

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	MET
WICHITA	1 st Pd	71%	64%	62%	48
	2 nd Pd	65	58	58	48
	3 rd Pd	57	48	51	44
	4 th Pd	49	37	45	39
CHANUTE	1 st Pd	60	53	62	48
	2 nd Pd	59	53	58	40
	3 rd Pd	54	41	55	39
	4 th Pd	53	41	47	35
RUSSELL	1 st Pd	63	49	52	45
	2 nd Pd	58	44	51	52
	3 rd Pd	51	43	50	42
	4 th Pd	49	33	39	33
SALINA	1 st Pd	59	56	54	53
	2 nd Pd	54	53	46	48
	3 rd Pd	51	47	47	44
	4 th Pd	49	33	40	38
ALL	1st Pd	63%	56%	58%	49%
	2nd Pd	59	52	53	47
	3rd Pd	53	45	51	42
	4th Pd	50	36	43	36

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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	MET	FWC	CCF % Improvement over	
						MAV	MET
WICHITA							
Average Brier Score	.051	.057	.048	.052	10.5	-5.9	1.9
Average WET PoP	52%	40%	57%	46%			
Average DRY PoP	10%	7%	10%	8%			
CHANUTE							
Average Brier Score	.055	.065	.055	.066	15.4	0	16.7
Average WET PoP	56%	41%	58%	45%			
Average DRY PoP	10%	8%	11%	9%			
RUSSELL							
Average Brier Score	.053	.061	.063	.050	13.1	15.9	-5.7
Average WET PoP	41%	33%	40%	32%			
Average DRY PoP	9%	8%	11%	6%			
SALINA							
Average Brier Score	.051	.060	.055	.046	15.0	18.2	-9.8
Average WET PoP	43%	33%	48%	36%			
Average DRY PoP	9%	8%	11%	6%			
ALL							
Average Brier Score	.0525	.0608	.0553	.0535	13.6%	5.0%	1.9%
Average WET PoP	48%	37%	51%	40%			
Average DRY PoP	10%	8%	11%	7%			