

**WFO Wichita Public Forecast (SOOVER) Statistics
for Winter '04-'05 (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	3.59	4.97	4.44	4.38	27.8	19.2	18.0
CHANUTE	3.47	4.54	3.94	4.00	23.7	12.1	13.3
RUSSELL	3.67	5.36	4.82	4.28	31.6	23.9	14.2
SALINA	3.79	5.14	4.55	4.25	26.2	16.8	10.9
ALL	3.63	5.00	4.44	4.23	27.5	18.3	14.2

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	67%	52%	52%	56
	2 nd Pd	62	45	50	49
	3 rd Pd	58	42	48	48
	4 th Pd	47	30	44	42
CHANUTE	1 st Pd	72	54	56	59
	2 nd Pd	66	51	62	59
	3 rd Pd	58	42	52	52
	4 th Pd	51	33	54	49
RUSSELL	1 st Pd	68	53	61	58
	2 nd Pd	65	45	51	59
	3 rd Pd	57	42	40	55
	4 th Pd	49	34	41	49
SALINA	1 st Pd	63	50	53	52
	2 nd Pd	59	47	51	54
	3 rd Pd	53	42	42	53
	4 th Pd	46	36	41	46
ALL	1st Pd	67%	52%	55%	56%
	2nd Pd	63	47	53	55
	3rd Pd	56	42	45	52
	4th Pd	48	33	45	46

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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	CCF % Improvement over		
					FWC	MAV	MET
WICHITA							
Average Brier Score	.054	.051	.052	.054	-5.5	-3.7	0.0
Average WET PoP	54%	51%	56%	58%			
Average DRY PoP	9%	7%	9%	9%			
CHANUTE							
Average Brier Score	.064	.073	.069	.061	12.3	7.2	-4.7
Average WET PoP	54%	46%	54%	61%			
Average DRY PoP	9%	7%	9%	9%			
RUSSELL							
Average Brier Score	.050	.057	.052	.056	12.3	3.8	10.7
Average WET PoP	51%	42%	54%	44%			
Average DRY PoP	9%	8%	10%	9%			
SALINA							
Average Brier Score	.057	.065	.056	.060	12.3	-1.7	5.0
Average WET PoP	50%	43%	53%	48%			
Average DRY PoP	8%	7%	9%	8%			
ALL							
Average Brier Score	.0562	.0615	.0572	.0577	8.5%	1.7%	2.6%
Average WET PoP	52%	45%	54%	53%			
Average DRY PoP	9%	7%	9%	9%			