

**WFO Wichita Public Forecast (SOOVER) Statistics
for Fall '05 (Sep-Nov)**

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	2.81	3.55	3.25	2.97	20.9	13.7	5.4
CHANUTE	3.00	3.59	3.20	3.14	16.3	6.0	4.4
RUSSELL	3.01	3.82	3.43	3.22	21.1	12.1	6.3
SALINA	2.96	3.73	3.40	3.09	20.7	13.0	4.3
ALL	2.95	3.67	3.32	3.10	19.8	11.3	5.1

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	76%	62%	63%	81
	2 nd Pd	71	57	62	69
	3 rd Pd	65	62	57	63
	4 th Pd	65	45	61	51
CHANUTE	1 st Pd	75	66	63	71
	2 nd Pd	67	64	61	70
	3 rd Pd	61	58	62	66
	4 th Pd	60	52	63	60
RUSSELL	1 st Pd	68	65	60	66
	2 nd Pd	62	54	58	62
	3 rd Pd	61	51	59	64
	4 th Pd	56	46	56	58
SALINA	1 st Pd	72	63	62	72
	2 nd Pd	68	59	59	67
	3 rd Pd	61	58	59	63
	4 th Pd	57	40	57	51
ALL	1st Pd	73%	64%	62%	72%
	2nd Pd	67	58	60	67
	3rd Pd	62	57	59	64
	4th Pd	59	46	59	55

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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	.048	.055	.044	.051	12.7	-8.3	5.9
Average WET PoP	36%	30%	37%	45%			
Average DRY PoP	9 %	9%	8%	11%			
CHANUTE							
Average Brier Score	.066	.075	.063	.067	12.0	-4.5	1.5
Average WET PoP	36%	30%	40%	43%			
Average DRY PoP	9%	8%	9%	11%			
RUSSELL							
Average Brier Score	.067	.074	.060	.074	9.4	-10.4	9.4
Average WET PoP	34%	32%	38%	34%			
Average DRY PoP	9%	9%	8%	10%			
SALINA							
Average Brier Score	.067	.074	.067	.074	9.4	0.0	9.4
Average WET PoP	34%	30%	34%	34%			
Average DRY PoP	10%	9%	9%	11%			
ALL							
Average Brier Score	.0620	.0695	.0585	.0665	10.8%	-5.6%	6.8%
Average WET PoP	35%	30%	37%	39%			
Average DRY PoP	9%	9%	8%	11%			