Input Data Set				
Name WORK.PREPROCESSEDDATA				
Label	U.S. Violent Crime Data 1989-1997			
Time ID Variable	Date			

	Estimation Span Summary								
							Standard Deviation		
MurdersTX	Dependent	JAN1989	DEC1997	108	0	85.00000	280.00000	166.47222	39.87280

	Forecast Span Summary								
							Standard Deviation		
MurdersTX	Dependent	JAN1989	DEC1997	108	0	85.00000	280.00000	166.47222	39.87280

Fixed Parameters in the Model				
Component Parameter Value				
Season	Error Variance	0		

Preliminary Estimates of the Free Parameters				
Component	Parameter	Estimate		
Irregular	Error Variance	4711.21769		
Level	Error Variance	1766.70663		
Slope	Error Variance	1766.70663		

Likelihood Based Fit Statistics					
Statistic	Value				
Full Log Likelihood	-431.5				
Diffuse Part of Log Likelihood	-4.97				
Non-Missing Observations Used	108				
Estimated Parameters	3				
Initialized Diffuse State Elements	13				
Normalized Residual Sum of Squares	95				
AIC (smaller is better)	869.09				
BIC (smaller is better)	876.75				
AICC (smaller is better)	869.35				
HQIC (smaller is better)	872.18				
CAIC (smaller is better)	879.75				

Likelihood Optimization Algorithm Converged in 6 Iterations.

Final Estimates of the Free Parameters							
Component	Component Parameter Estimate Std Error t Value Pr > t						
Irregular	Error Variance	247.85482	43.80894	5.66	<.0001		
Level	Error Variance	24.50078	18.36962	1.33	0.1823		
Slope	Error Variance	0.08448	0.13614	0.62	0.5349		

Fit Statistics Based on Resid	duals		
Mean Squared Error	503.94367		
Root Mean Squared Error	22.44869		
Mean Absolute Percentage Error	10.31004		
Maximum Percent Error	34.24305		
R-Square	0.71477		
Adjusted R-Square	0.70857		
Random Walk R-Square	0.27024		
Amemiya's Adjusted R-Square	0.69616		
Number of non-missing residuals used for computing the fit statistics = 95			

Significance Analysis of Components (Based on the Final State)						
Component DF Chi-Square Pr > ChiSq						
Irregular	1	0.62	0.4313			
Level	1	132.54	<.0001			
Slope	1	0.98	0.3227			
Season	11	62.62	<.0001			

Trend Information (Based on the Final State)				
Name	Standard Error			
Level	102.9496922	8.9423493		
Slope	-1.28947644	1.3038198		

Summary of Seasons					
Name Type Season Error Variance					
Season	DUMMY	12	0		

	Outlier Summary							
Obs	Dbs Date Break Type Estimate Error Chi-Square DF Pr > ChiS							
19	JUL1990	Additive Outlier	66.37528	18.183126	13.33	1	0.0003	
89	MAY1996	Additive Outlier	47.65992	18.183233	6.87	1	0.0088	

Forecasts for Variable MurdersTX					
Obs	Date	Forecast	Standard Error	95% Confidence Limits	
109	JAN1998	93.000666	19.89371	54.009715	131.991618
110	FEB1998	77.534464	20.84299	36.682956	118.385972
111	MAR1998	88.311295	21.82464	45.535781	131.086810
112	APR1998	82.775605	22.83620	38.017484	127.533725
113	MAY1998	93.594059	23.87541	46.799116	140.389001
114	JUN1998	94.099991	24.94027	45.217967	142.982014
115	JUL1998	117.515623	26.02894	66.499840	168.531406
116	AUG1998	115.396511	27.13978	62.203530	168.589493
117	SEP1998	100.853766	28.27127	45.443089	156.264443
118	OCT1998	94.331833	29.42207	36.665641	151.998024
119	NOV1998	82.497377	30.59091	22.540295	142.454460
120	DEC1998	94.905955	31.77666	32.624845	157.187066

