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								
Variable Type First Obs Last Obs NObs NMiss Min Max Mean Deviation									
MurdersTX	Dependent	JAN1989	DEC1997	108	0	85.00000	280.00000	166.47222	39.87280

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

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

Likelihood Based Fit Statistics				
Statistic	Value			
Full Log Likelihood	-432.1			
Diffuse Part of Log Likelihood	-4.97			
Non-Missing Observations Used	108			
Estimated Parameters	2			
Initialized Diffuse State Elements	13			
Normalized Residual Sum of Squares	95			
AIC (smaller is better)	868.26			
BIC (smaller is better)	873.37			
AICC (smaller is better)	868.39			
HQIC (smaller is better)	870.32			
CAIC (smaller is better)	875.37			

Likelihood Optimization Algorithm Converged in 3 Iterations.

Final Estimates of the Free Parameters						
Component Parameter Estimate Approx Std Error t Value Pr > t						
Irregular	Error Variance	236.90274	41.57312	5.70	<.0001	
Level	Error Variance	39.32716	16.92420	2.32	0.0201	

Fit Statistics Based on Resid	duals		
Mean Squared Error	508.98810		
Root Mean Squared Error	22.56076		
Mean Absolute Percentage Error	10.40647		
Maximum Percent Error	33.49969		
R-Square	0.71191		
Adjusted R-Square	0.70881		
Random Walk R-Square	0.26294		
Amemiya's Adjusted R-Square	0.69952		
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	0.37	0.5442		
Level	1	128.47	<.0001		
Slope	1	1.01	0.3140		
Season	11	59.03	<.0001		

(Ва	Trend Information (Based on the Final State)				
Name	Estimate	Standard Error			
Level	104.6449483	9.2325932			
Slope	-0.62321287	0.619015			

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

	Outlier Summary							
Obs	Obs Date Break Type Estimate Error Chi-Square DF Pr > ChiS							
19	JUL1990	Additive Outlier	65.93289	18.243499	13.06	1	0.0003	
89	MAY1996	Additive Outlier	49.06566	18.243935	7.23	1	0.0072	

Forecasts for Variable MurdersTX					
Obs	Date	Forecast	Standard Error	95% Confidence Limits	
109	JAN1998	95.010731	19.93262	55.943518	134.077945
110	FEB1998	80.344065	21.00015	39.184536	121.503594
111	MAR1998	91.899620	22.01597	48.749111	135.050130
112	APR1998	87.121842	22.98695	42.068251	132.175434
113	MAY1998	98.677398	23.91854	51.797917	145.556879
114	JUN1998	99.899620	24.81519	51.262747	148.536493
115	JUL1998	124.010731	25.68054	73.677789	174.343673
116	AUG1998	122.566287	26.51768	70.592594	174.539979
117	SEP1998	108.677398	27.32918	55.113190	162.241606
118	OCT1998	102.788509	28.11727	47.679671	157.897347
119	NOV1998	91.566287	28.88387	34.954948	148.177625
120	DEC1998	104.566287	29.63064	46.491307	162.641267

