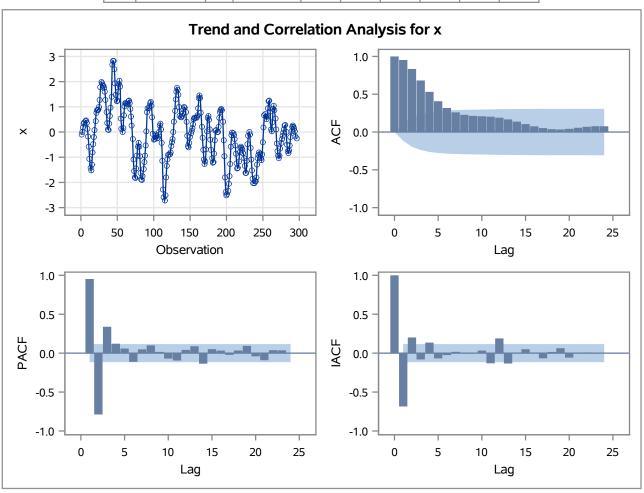
Name of Variable = x						
Mean of Working Series	-0.05683					
Standard Deviation	1.070952					
Number of Observations	296					

	Autocorrelation Check for White Noise										
To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations							
6	786.35	6	<.0001	0.952	0.834	0.682	0.531	0.408	0.318		
12	874.07	12	<.0001	0.260	0.228	0.213	0.208	0.203	0.189		
18	895.24	18	<.0001	0.167	0.138	0.105	0.075	0.052	0.037		
24	902.52	24	<.0001	0.034	0.042	0.056	0.069	0.077	0.076		



The ARIMA Procedure

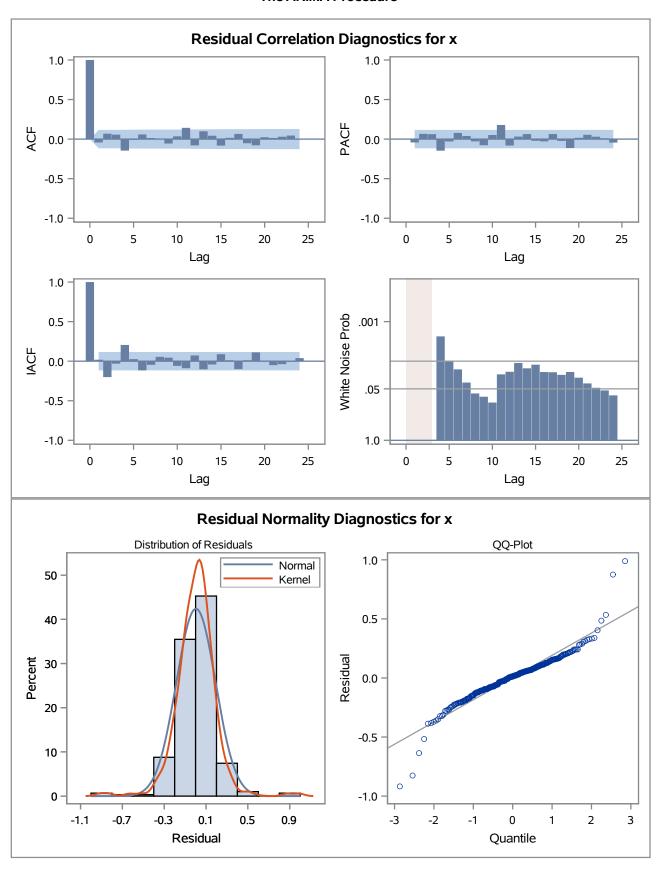
Conditional Least Squares Estimation										
Parameter Estimate Standard Error t Value Pr > t L										
MU	-0.12280	0.10902	-1.13	0.2609	0					
AR1,1	1.97607	0.05499	35.94	<.0001	1					
AR1,2	-1.37499	0.09967	-13.80	<.0001	2					
AR1,3	0.34336	0.05502	6.24	<.0001	3					

Constant Estimate	-0.00682
Variance Estimate	0.035797
Std Error Estimate	0.1892
AIC	-141.667
SBC	-126.906
Number of Residuals	296

* AIC and SBC do not include log determinant.

Correlations of Parameter Estimates									
Parameter	MU	AR1,1	AR1,2	AR1,3					
MU	1.000	-0.017	0.014	-0.016					
AR1,1	-0.017	1.000	-0.941	0.790					
AR1,2	0.014	-0.941	1.000	-0.941					
AR1,3	-0.016	0.790	-0.941	1.000					

	Autocorrelation Check of Residuals										
To Lag	Chi-Square	DF	Pr > ChiSq		Autocorrelations						
6	10.30	3	0.0162	-0.042	0.068	0.056	-0.145	-0.009	0.059		
12	19.89	9	0.0186	0.014	0.002	-0.055	0.035	0.143	-0.079		
18	27.92	15	0.0221	0.099	0.043	-0.082	0.017	0.066	-0.052		
24	31.05	21	0.0729	-0.078	0.024	0.015	0.030	0.045	0.004		
30	34.58	27	0.1499	-0.007	-0.004	0.073	-0.038	-0.062	0.003		
36	38.84	33	0.2231	0.010	0.002	0.082	0.045	0.056	-0.023		
42	41.18	39	0.3753	0.002	0.033	-0.061	-0.003	-0.006	-0.043		
48	42.73	45	0.5687	0.018	0.051	-0.012	0.015	-0.027	0.020		



Model for variable x					
Estimated Mean	-0.1228				

The ARIMA Procedure

Autoregressive Factors						
Factor 1:	1 - 1.97607 B**(1) + 1.37499 B**(2) - 0.34336 B**(3)					

Name of Variable = y						
Mean of Working Series	53.50912					
Standard Deviation	3.196707					
Number of Observations	296					

	Autocorrelation Check for White Noise										
To Lag	Chi-Square	DF	Pr > ChiSq	ChiSq Autocorrelations							
6	1023.15	6	<.0001	0.971	0.896	0.793	0.680	0.574	0.485		
12	1227.65	12	<.0001	0.416	0.366	0.330	0.307	0.288	0.269		

Correlation of y and x					
Number of Observations	296				
Variance of transformed series y	0.131438				
Variance of transformed series x	0.035357				

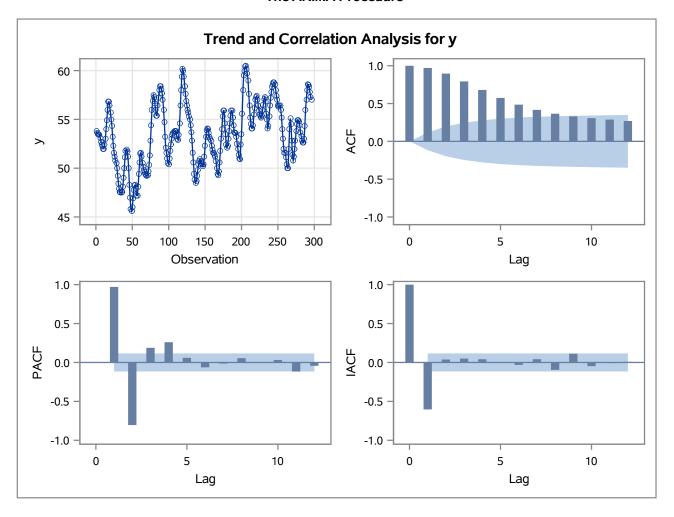
Both series have been prewhitened.

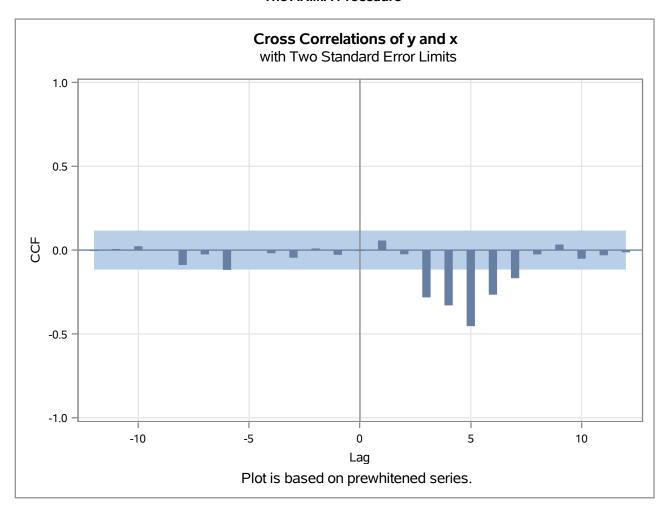
Crosscorrelation Check Between Series									
To Lag									
5	117.75	6	<.0001	-0.005	0.057	-0.025	-0.282	-0.330	-0.453
11	148.57	12	<.0001	-0.266	-0.168	-0.025	0.033	-0.052	-0.031

Both variables have been prewhitened by the following filter:

Prewhitening Filter

Autoregressive Factors						
Factor 1:	1 - 1.97607 B**(1) + 1.37499 B**(2) - 0.34336 B**(3)					





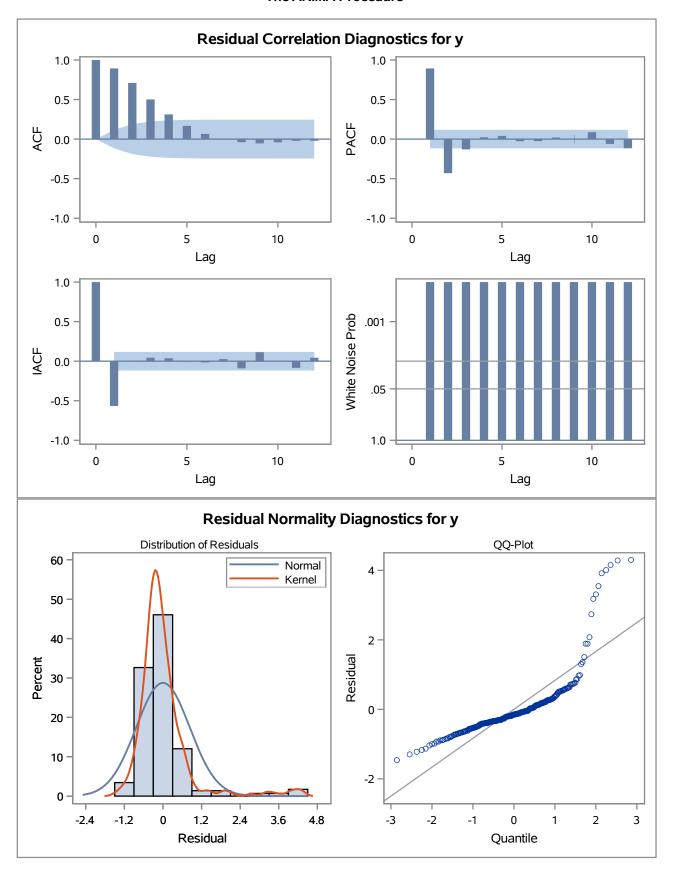
	Conditional Least Squares Estimation							
Parameter	Estimate	Standard Error	t Value	Approx Pr > t	Lag	Variable	Shift	
MU	53.32256	0.04926	1082.51	<.0001	0	у	0	
NUM1	-0.56467	0.22405	-2.52	0.0123	0	х	3	
NUM1,1	0.42623	0.46472	0.92	0.3598	1	х	3	
NUM1,2	0.29914	0.35506	0.84	0.4002	2	х	3	
DEN1,1	0.60073	0.04101	14.65	<.0001	1	х	3	

Constant Estimate	53.32256
Variance Estimate	0.702625
Std Error Estimate	0.838227
AIC	728.0754
SBC	746.442
Number of Residuals	291

^{*} AIC and SBC do not include log determinant.

	Correlations of Parameter Estimates								
Variable Parameter		y MU	X NUM1	x NUM1,1	x NUM1,2	X DEN1,1			
У	MU	1.000	0.011	0.006	0.003	-0.022			
x	NUM1	0.011	1.000	0.974	-0.864	0.563			
x	NUM1,1	0.006	0.974	1.000	-0.942	0.657			
x	NUM1,2	0.003	-0.864	-0.942	1.000	-0.853			
х	DEN1,1	-0.022	0.563	0.657	-0.853	1.000			

	Autocorrelation Check of Residuals								
To Lag	Chi-Square	DF	Pr > ChiSq		Autocorrelations				
6	496.43	6	<.0001	0.893	0.710	0.501	0.312	0.168	0.065
12	498.57	12	<.0001	-0.002	-0.039	-0.054	-0.041	-0.022	-0.021
18	539.05	18	<.0001	-0.045	-0.083	-0.131	-0.169	-0.195	-0.194
24	561.31	24	<.0001	-0.162	-0.101	-0.026	0.048	0.106	0.141
30	585.29	30	<.0001	0.158	0.155	0.131	0.082	0.014	-0.036
36	592.04	36	<.0001	-0.048	-0.018	0.039	0.071	0.080	0.068
42	593.11	42	<.0001	0.043	0.025	0.015	0.006	0.007	0.019
48	601.45	48	<.0001	0.042	0.067	0.083	0.082	0.061	0.022



		Cros	scorrelation (Check of	Residual	s with Inp	out x		
To Lag	Chi-Square	DF	Pr > ChiSq		Crosscorrelations				
5	0.61	3	0.8935	-0.024	0.011	0.020	0.012	-0.018	-0.024
11	1.17	9	0.9989	-0.006	0.011	0.024	0.025	-0.019	-0.016
17	2.80	15	0.9997	0.014	0.030	0.036	0.039	-0.008	-0.042
23	19.51	21	0.5523	-0.075	-0.108	-0.124	-0.122	-0.095	-0.041
29	20.44	27	0.8119	-0.039	-0.014	0.009	-0.021	-0.030	-0.005
35	24.53	33	0.8563	-0.023	-0.032	-0.074	-0.037	0.015	0.076
41	30.95	39	0.8175	0.108	0.090	0.046	0.020	0.002	0.010
47	31.94	45	0.9286	0.009	-0.011	-0.040	-0.029	-0.003	0.028

Model for varial	Model for variable y					
Estimated Intercept	53.32256					

Input Number 1				
Input Variable X				
Shift	3			

Numerator Factors						
Factor 1:	-0.5647 - 0.42623 B**(1) - 0.29914 B**(2)					

Denominator Factors				
Factor 1:	1 - 0.60073 B**(1)			

	Conditional Least Squares Estimation						
Parameter	Estimate	Standard Error	t Value	Approx Pr > t	Lag	Variable	Shift
MU	53.26304	0.11929	446.48	<.0001	0	у	0
AR1,1	1.53291	0.04754	32.25	<.0001	1	у	0
AR1,2	-0.63297	0.05006	-12.64	<.0001	2	у	0
NUM1	-0.53522	0.07482	-7.15	<.0001	0	х	3
NUM1,1	0.37603	0.10287	3.66	0.0003	1	х	3
NUM1,2	0.51895	0.10783	4.81	<.0001	2	х	3
DEN1,1	0.54841	0.03822	14.35	<.0001	1	х	3

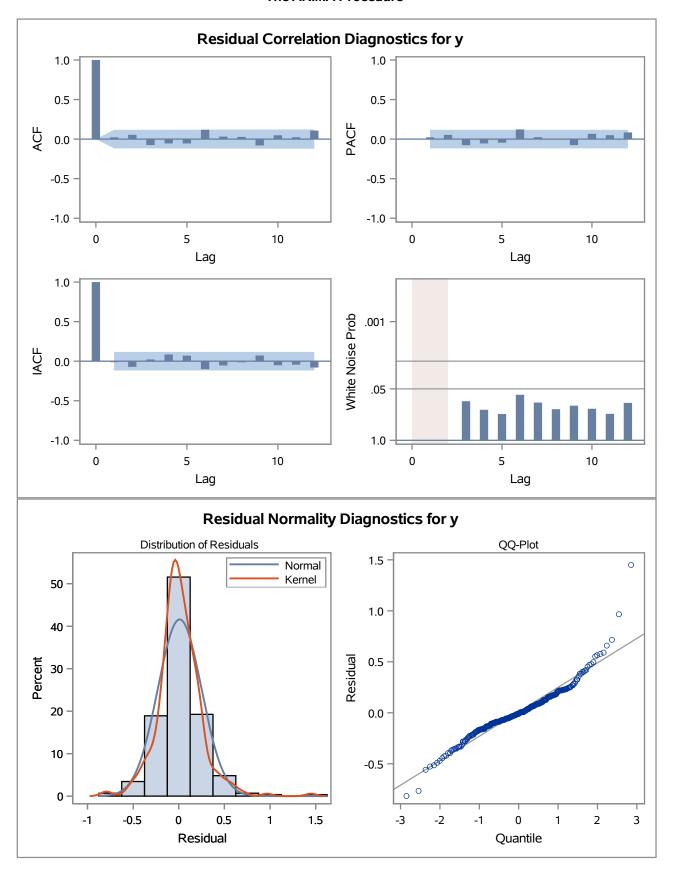
The ARIMA Procedure

Constant Estimate	5.329425
Variance Estimate	0.058828
Std Error Estimate	0.242544
AIC	8.292809
SBC	34.00607
Number of Residuals	291

* AIC and SBC do not include log determinant.

	Correlations of Parameter Estimates							
Vari Para	able ameter	y MU	y AR1,1	у AR1,2	X NUM1	x NUM1,1	x NUM1,2	x DEN1,1
у	MU	1.000	-0.063	0.047	-0.008	-0.016	0.017	-0.049
у	AR1,1	-0.063	1.000	-0.927	-0.003	0.007	-0.002	0.015
у	AR1,2	0.047	-0.927	1.000	0.023	-0.005	0.005	-0.022
х	NUM1	-0.008	-0.003	0.023	1.000	0.713	-0.178	-0.013
x	NUM1,1	-0.016	0.007	-0.005	0.713	1.000	-0.467	-0.039
x	NUM1,2	0.017	-0.002	0.005	-0.178	-0.467	1.000	-0.720
x	DEN1,1	-0.049	0.015	-0.022	-0.013	-0.039	-0.720	1.000

	Autocorrelation Check of Residuals								
To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	8.61	4	0.0717	0.024	0.055	-0.073	-0.054	-0.054	0.119
12	15.43	10	0.1172	0.032	0.028	-0.081	0.047	0.022	0.107
18	21.13	16	0.1734	-0.038	0.052	-0.093	-0.013	-0.073	-0.005
24	27.52	22	0.1922	-0.118	-0.002	-0.007	0.076	0.024	-0.004
30	36.94	28	0.1202	0.034	-0.021	0.020	0.094	-0.118	0.065
36	44.26	34	0.1119	-0.025	-0.057	0.113	0.022	0.030	0.065
42	45.62	40	0.2500	-0.017	-0.036	-0.029	-0.013	-0.033	0.017
48	48.60	46	0.3688	0.024	0.069	0.024	0.017	0.022	-0.044



	Crosscorrelation Check of Residuals with Input x								
To Lag	Chi-Square	DF	Pr > ChiSq	Crosscorrelations					
5	0.93	3	0.8191	0.008	0.004	0.010	0.008	-0.045	0.030
11	6.60	9	0.6784	0.075	-0.024	-0.019	-0.026	-0.111	0.013
17	13.86	15	0.5365	0.050	0.043	0.014	0.014	-0.141	-0.028
23	18.55	21	0.6142	-0.074	-0.078	0.023	-0.016	0.021	0.060
29	27.99	27	0.4112	-0.071	-0.001	0.038	-0.156	0.031	0.035
35	35.18	33	0.3654	-0.014	0.015	-0.039	0.028	0.046	0.142
41	37.15	39	0.5544	0.031	-0.029	-0.070	-0.006	0.012	-0.004
47	42.42	45	0.5818	0.036	-0.038	-0.053	0.107	0.029	0.021

Model for variable y		
Estimated Intercept	53.26304	

Autoregressive Factors					
Factor 1:	1 - 1.53291 B**(1) + 0.63297 B**(2)				

Input Number 1		
Input Variable	х	
Shift	3	

Numerator Factors				
Factor 1:	-0.5352 - 0.37603 B**(1) - 0.51895 B**(2)			

Denominator Factors		
Factor 1:	1 - 0.54841 B**(1)	