Name of Variable = pollution						
Mean of Working Series 94.20369						
Standard Deviation	27.42528					
Number of Observations	60					

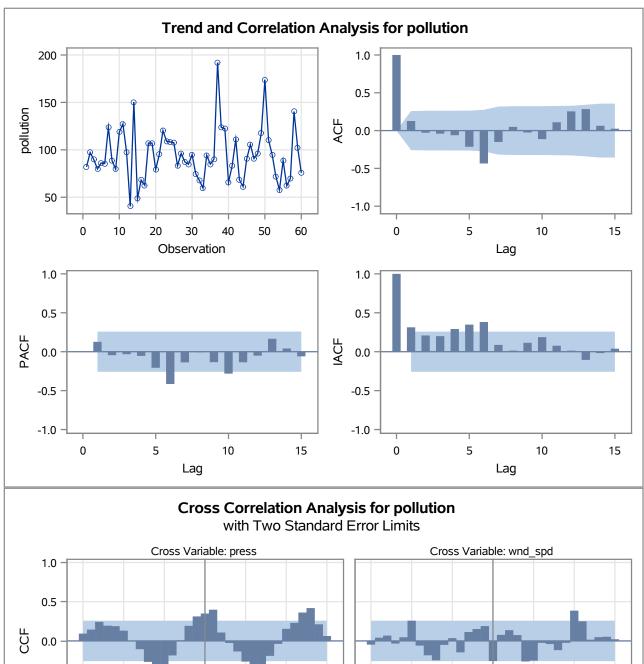
Autocorrelation Check for White Noise										
To Lag Chi-Square DF Pr > ChiSq Autocorrelations										
6	17.55	6	0.0075	0.127	-0.028	-0.041	-0.061	-0.214	-0.435	
12	26.25	12	0.0099	-0.151	0.049	-0.026	-0.113	0.110	0.254	

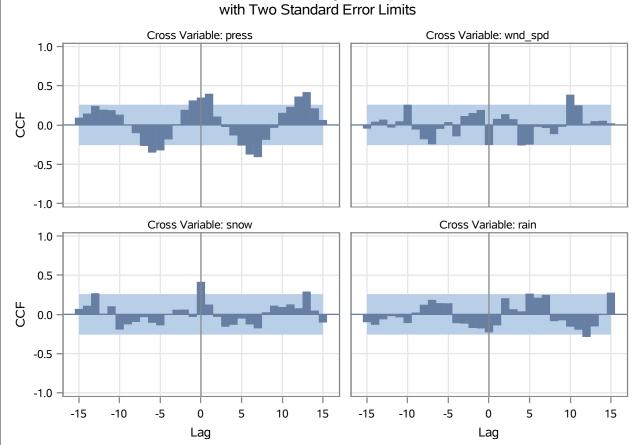
Correlation of pollution and press					
Variance of input = 77.15933					
Number of Observations	60				

Correlation of pollution and wnd_spd					
Variance of input = 246.3649					
Number of Observations					

Correlation of pollution and snow					
Variance of input = 14.37682					
Number of Observations	60				

Correlation of pollution and rain					
Variance of input = 51.65104					
Number of Observations	60				





**Warning:** The model defined by the new estimates is unstable. The iteration process has been terminated. **Warning:** Estimates may not have converged.

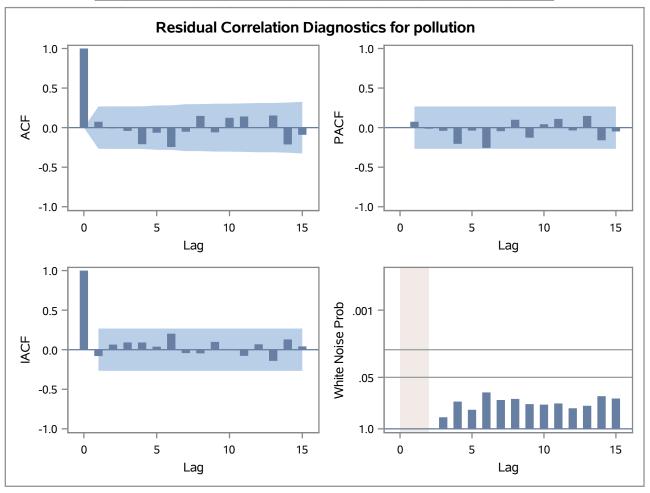
ARIMA Estimation Optimization Summary						
Estimation Method	Maximum Likelihood					
Parameters Estimated	7					
Termination Criteria	Maximum Relative Change in Estimates					
Iteration Stopping Value	0.001					
Criteria Value	6.879261					
Maximum Absolute Value of Gradient	112826.3					
R-Square Change from Last Iteration	0.205351					
Objective Function	Log Gaussian Likelihood					
Objective Function Value	-246.636					
Marquardt's Lambda Coefficient	0.00001					
Numerical Derivative Perturbation Delta	0.001					
Iterations	7					
Warning Message	Estimates may not have converged.					

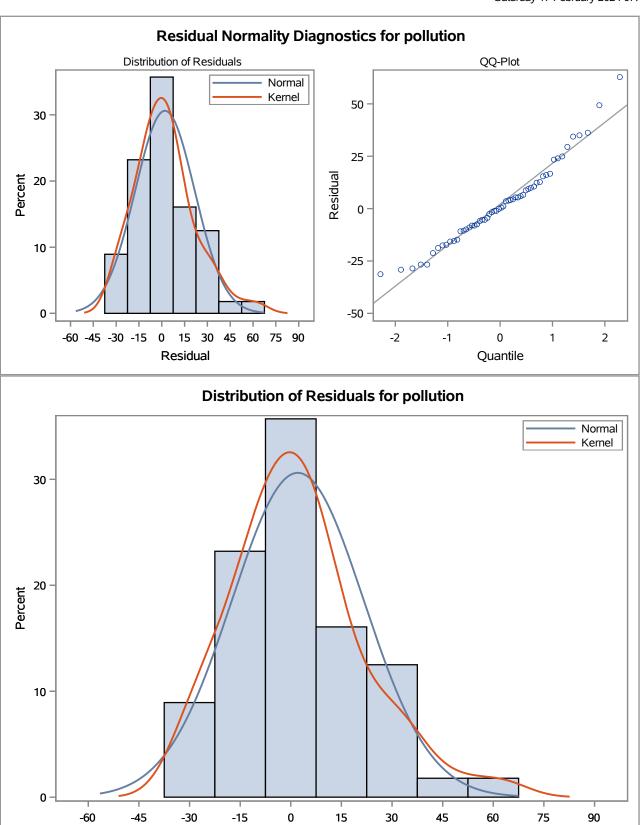
Maximum Likelihood Estimation									
Parameter	Estimate	Standard Error	t Value	Approx Pr >  t	Lag	Variable	Shift		
MU	-1539.4	457.58829	-3.36	0.0008	0	pollution	0		
MA1,1	-0.99996	7.99474	-0.13	0.9005	1	pollution	0		
AR1,1	-0.83949	0.18076	-4.64	<.0001	1	pollution	0		
NUM1	1.62360	0.45361	3.58	0.0003	0	press	1		
NUM2	-0.99081	0.24341	-4.07	<.0001	0	wnd_spd	0		
NUM3	2.04240	1.02609	1.99	0.0465	0	snow	0		
NUM4	0.47551	0.39574	1.20	0.2295	0	rain	4		

Constant Estimate	-2831.72
Variance Estimate	433.7507
Std Error Estimate	20.82668
AIC	507.2721
SBC	521.4496
Number of Residuals	56

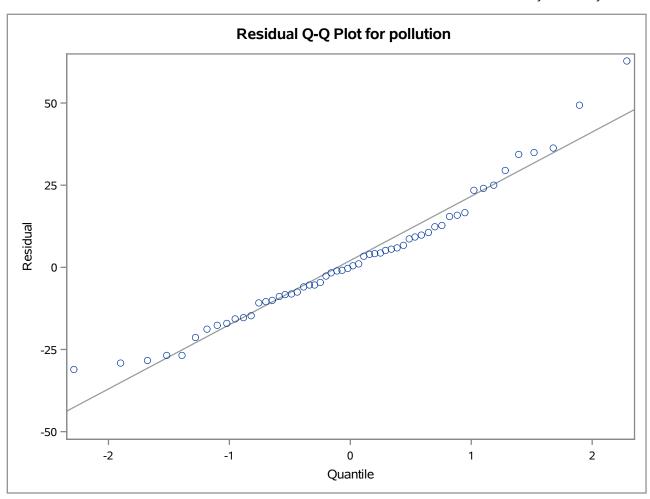
	Correlations of Parameter Estimates									
Variable Parameter	pollution MU	pollution MA1,1	pollution AR1,1	press NUM1	wnd_spd NUM2	snow NUM3	rain NUM4			
pollution MU	1.000	0.168	0.047	-1.000	0.465	0.575	-0.062			
pollution MA1,1	0.168	1.000	0.799	-0.168	0.069	0.301	-0.207			
pollution AR1,1	0.047	0.799	1.000	-0.046	-0.121	0.168	0.041			
press NUM1	-1.000	-0.168	-0.046	1.000	-0.472	-0.578	0.063			
wnd_spd NUM2	0.465	0.069	-0.121	-0.472	1.000	0.352	-0.539			
snow NUM3	0.575	0.301	0.168	-0.578	0.352	1.000	-0.041			
rain NUM4	-0.062	-0.207	0.041	0.063	-0.539	-0.041	1.000			

	Autocorrelation Check of Residuals										
To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations							
6	6.89	4	0.1420	0.084	0.003	-0.037	-0.202	-0.054	-0.237		
12	11.39	10	0.3282	-0.048	0.147	-0.055	0.128	0.144	0.009		
18	19.39	16	0.2489	0.157	-0.207	-0.089	0.005	-0.113	0.115		
24	26.05	22	0.2494	-0.032	-0.029	0.029	-0.240	0.076	-0.056		





Residual



Model for	variable p	ollution				
Estimated	Intercept	-1539.4				
Autoregressive Factors						
Factor 1:	Factor 1: 1 + 0.83949 B**(1)					
Moving Average Factors						
<b>Factor 1:</b> 1 + 0.99996 B**(1)						

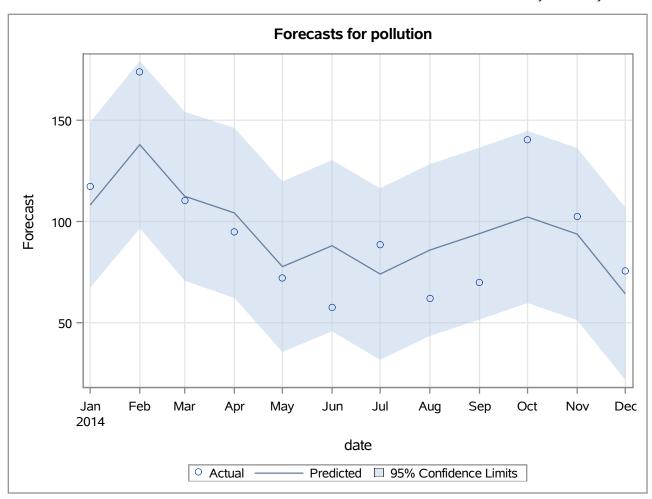
Input Number 1			
Input Variable	press		
Shift	1		
Overall Regression Factor	1.623602		

Input Number 2		
Input Variable	wnd_spd	
Overall Regression Factor	-0.99081	

Input Number 3		
Input Variable	snow	
Overall Regression Factor	2.042397	

Input Number 4			
Input Variable	rain		
Shift	4		
Overall Regression Factor	0.475508		

Forecasts for variable pollution						
Obs	Forecast	Std Error	95% Confidence Limits		Actual	Residual
49	108.1496	20.8267	67.3301	148.9692	117.4422	9.2926
50	137.9330	21.0931	96.5913	179.2748	173.8378	35.9048
51	112.4807	21.2789	70.7748	154.1865	110.3374	-2.1433
52	104.2436	21.4088	62.2831	146.2042	94.8361	-9.4075
53	77.7008	21.5000	35.5617	119.8400	72.0605	-5.6403
54	88.0446	21.5639	45.7800	130.3091	57.6875	-30.3571
55	74.0517	21.6089	31.6990	116.4044	88.6142	14.5625
56	85.8948	21.6405	43.4802	128.3095	62.0121	-23.8827
57	94.0310	21.6628	51.5726	136.4893	69.8056	-24.2254
58	102.2353	21.6785	59.7462	144.7244	140.3669	38.1317
59	93.7712	21.6895	51.2604	136.2819	102.3486	8.5774
60	64.3266	21.6973	21.8007	106.8526	75.6882	11.3615



Outlier Detection Summary		
Maximum number searched	2	
Number found	2	
Significance used	0.05	

Outlier Details					
Obs	Туре	Estimate	Chi-Square	Approx Prob>ChiSq	
37	Additive	51.81240	13.40	0.0003	
50	Additive	39.62685	8.07	0.0045	