

Name of Variable = kW_Gen	
Mean of Working Series	0.511078
Standard Deviation	0.179364
Number of Observations	42

Autocorrelation Check for White Noise									
To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	81.65	6	<.0001	0.709	0.648	0.519	0.460	0.412	0.396

Correlation of kW_Gen and Cloud_Cover	
Variance of input =	0.761564
Number of Observations	42

Maximum Likelihood Estimation							
Parameter	Estimate	Standard Error	t Value	Approx Pr > t	Lag	Variable	Shift
MU	1.00001	0.08901	11.23	<.0001	0	kW_Gen	0
AR1,1	0.86587	0.07766	11.15	<.0001	1	kW_Gen	0
NUM1	-0.09061	0.0096050	-9.43	<.0001	0	Cloud_Cover	0

Constant Estimate	0.134134
Variance Estimate	0.005503
Std Error Estimate	0.074179
AIC	-95.0433
SBC	-89.8303
Number of Residuals	42

Correlations of Parameter Estimates				
Variable Parameter	kW_Gen MU	kW_Gen AR1,1	Cloud_Cover NUM1	
kW_Gen MU	1.000	0.103	-0.553	
kW_Gen AR1,1	0.103	1.000	0.033	
Cloud_Cover NUM1	-0.553	0.033	1.000	

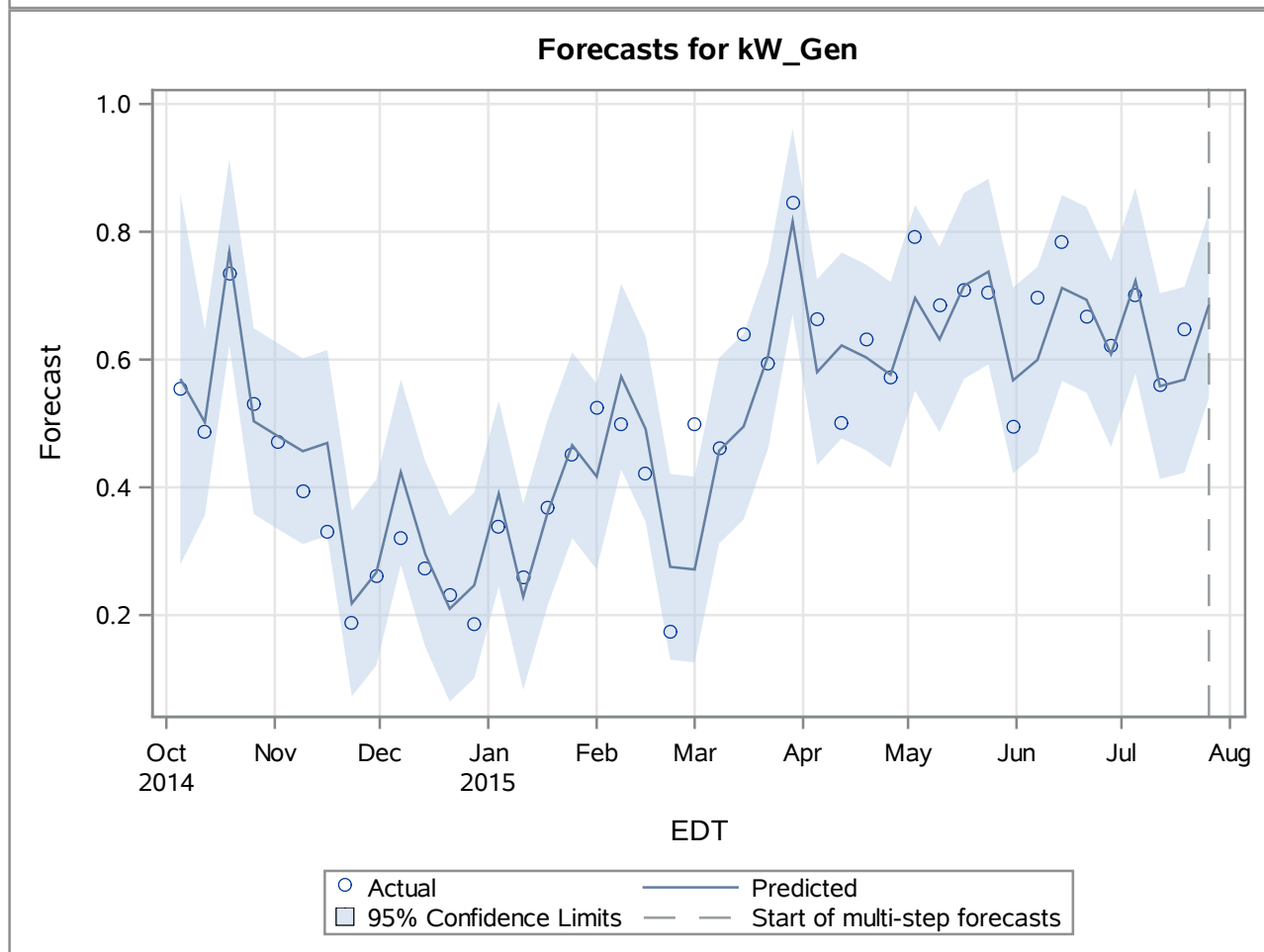
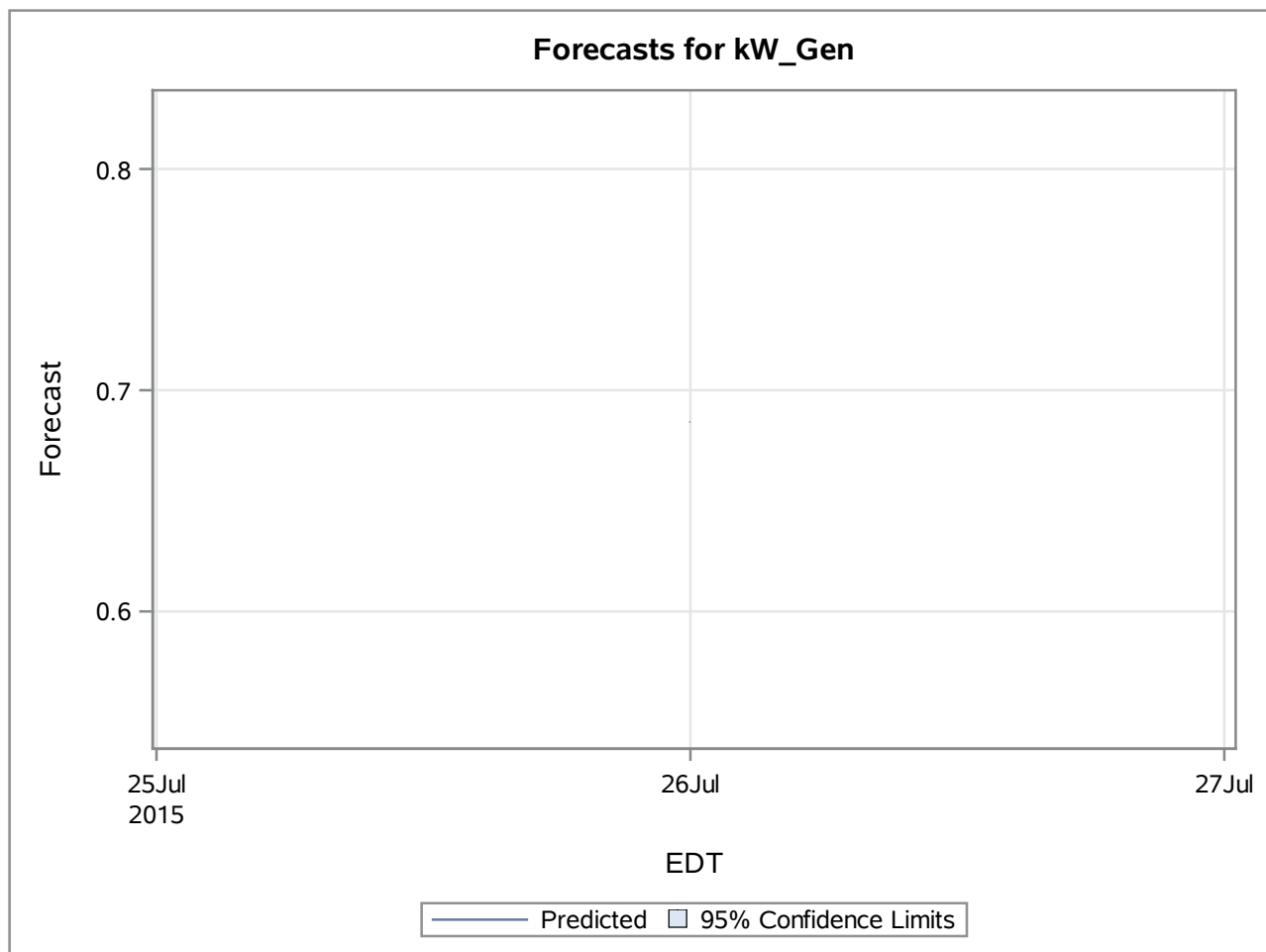
Autocorrelation Check of Residuals									
To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	2.08	5	0.8379	-0.058	0.056	-0.109	0.057	0.139	0.043
12	7.16	11	0.7860	0.225	-0.101	0.112	0.024	-0.116	-0.071
18	14.98	17	0.5970	0.029	0.121	-0.006	-0.202	-0.212	0.086
24	16.33	23	0.8406	-0.033	0.030	-0.016	-0.051	-0.088	-0.040

Model for variable kW_Gen	
Estimated Intercept	1.000009
Autoregressive Factors	
Factor 1:	1 - 0.86587 B**(1)

Input Number 1	
Input Variable	Cloud_Cover
Overall Regression Factor	-0.09061

Forecasts for variable kW_Gen						
Obs	Forecast	Std Error	95% Confidence Limits		Actual	Residual
1	0.5696	0.1483	0.2790	0.8602	0.5534	-0.0162
2	0.5018	0.0742	0.3564	0.6472	0.4871	-0.0147
3	0.7680	0.0742	0.6226	0.9134	0.7337	-0.0343
4	0.5034	0.0742	0.3580	0.6488	0.5313	0.0278
5	0.4797	0.0742	0.3343	0.6250	0.4711	-0.0086
6	0.4565	0.0742	0.3111	0.6019	0.3942	-0.0624
7	0.4694	0.0742	0.3241	0.6148	0.3297	-0.1397
8	0.2181	0.0742	0.0727	0.3635	0.1883	-0.0298
9	0.2665	0.0742	0.1211	0.4119	0.2615	-0.0050
10	0.4237	0.0742	0.2783	0.5691	0.3204	-0.1033
11	0.2955	0.0742	0.1502	0.4409	0.2725	-0.0230
12	0.2099	0.0742	0.0645	0.3553	0.2319	0.0220
13	0.2467	0.0742	0.1013	0.3921	0.1851	-0.0616
14	0.3901	0.0742	0.2447	0.5355	0.3391	-0.0510
15	0.2286	0.0742	0.0832	0.3740	0.2582	0.0296
16	0.3607	0.0742	0.2153	0.5061	0.3690	0.0082
17	0.4660	0.0742	0.3206	0.6114	0.4522	-0.0138
18	0.4169	0.0742	0.2715	0.5622	0.5235	0.1067
19	0.5733	0.0742	0.4280	0.7187	0.4986	-0.0748

Forecasts for variable kW_Gen						
Obs	Forecast	Std Error	95% Confidence Limits		Actual	Residual
20	0.4910	0.0742	0.3456	0.6364	0.4225	-0.0685
21	0.2755	0.0742	0.1302	0.4209	0.1730	-0.1025
22	0.2714	0.0742	0.1261	0.4168	0.4995	0.2281
23	0.4573	0.0742	0.3119	0.6027	0.4607	0.0034
24	0.4953	0.0742	0.3499	0.6406	0.6400	0.1448
25	0.6060	0.0742	0.4606	0.7514	0.5942	-0.0119
26	0.8159	0.0742	0.6705	0.9613	0.8446	0.0287
27	0.5802	0.0742	0.4348	0.7256	0.6630	0.0828
28	0.6221	0.0742	0.4767	0.7675	0.5013	-0.1208
29	0.6034	0.0742	0.4580	0.7488	0.6312	0.0279
30	0.5763	0.0742	0.4309	0.7216	0.5728	-0.0034
31	0.6964	0.0742	0.5510	0.8418	0.7914	0.0950
32	0.6315	0.0742	0.4861	0.7769	0.6849	0.0534
33	0.7154	0.0742	0.5700	0.8608	0.7084	-0.0070
34	0.7376	0.0742	0.5922	0.8830	0.7057	-0.0319
35	0.5674	0.0742	0.4220	0.7128	0.4945	-0.0730
36	0.5996	0.0742	0.4542	0.7450	0.6963	0.0967
37	0.7121	0.0742	0.5667	0.8575	0.7835	0.0715
38	0.6935	0.0742	0.5481	0.8389	0.6669	-0.0266
39	0.6085	0.0742	0.4632	0.7539	0.6214	0.0129
40	0.7233	0.0742	0.5780	0.8687	0.7014	-0.0220
41	0.5583	0.0742	0.4129	0.7037	0.5593	0.0010
42	0.5685	0.0742	0.4231	0.7139	0.6480	0.0795
43	0.6856	0.0742	0.5402	0.8310	.	.



Outlier Detection Summary	
Maximum number searched	1
Number found	1
Significance used	0.05

Outlier Details				
Obs	Type	Estimate	Chi-Square	Approx Prob>ChiSq
22	Shift	0.20725	25.81	<.0001