Data Set	WORK.WEATHER
Dependent Variable	MeanCloudCover
Selection Method	Stepwise
Select Criterion	SBC
Stop Criterion	Cross Validation
Choose Criterion	Cross Validation
Cross Validation Method	Random
Cross Validation Fold	5
Effect Hierarchy Enforced	None
Random Number Seed	441337717

Number of Observations Read	64
Number of Observations Used	64

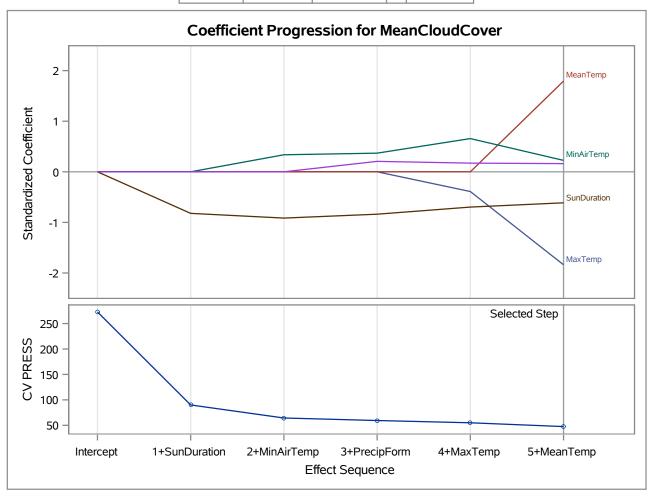
Class Level Information			
Class	Levels	Values	
Success	2	0 1	

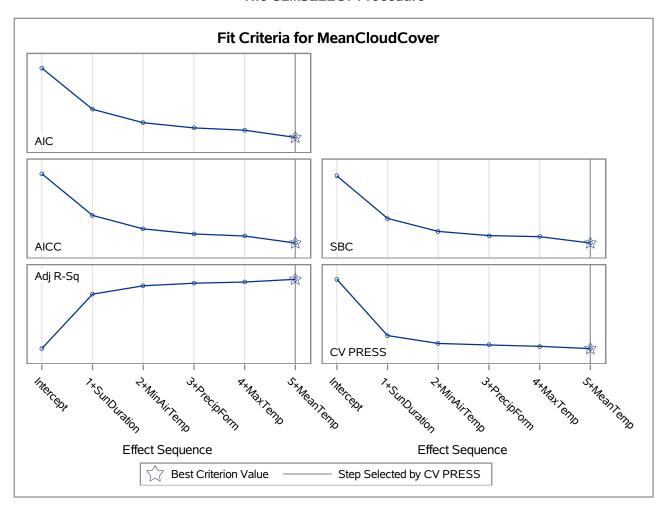
Dimensions		
Number of Effects	12	
Number of Parameters	12	

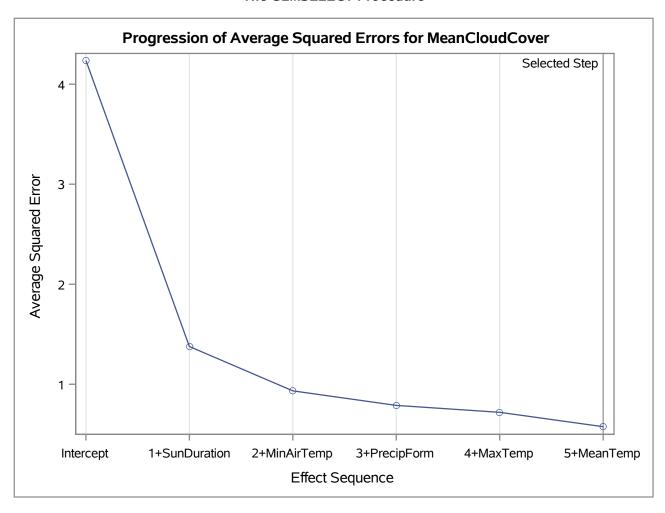
	Stepwise Selection Summary						
Step	Effect Entered	Effect Removed	Number Effects In	SBC	CV PRESS		
0	Intercept		1	96.5631	272.8494		
1	SunDuration		2	28.8092	90.0128		
2	MinAirTemp		3	8.0880	64.3628		
3	PrecipForm		4	1.4185	59.4133		
4	MaxTemp		5	-0.2968	54.9709		
5	MeanTemp		6	-10.4052*	47.5327*		
	* Optimal Value of Criterion						

Selection stopped at a local minimum of the cross validation PRESS.

Stop Details				
Candidate For	Effect	Candidate CV PRESS		Compare CV PRESS
Removal	MinAirTemp	48.3606	>	47.5327







The GLMSELECT Procedure **Selected Model**

The selected model, based on Cross Validation, is the model at Step 5.

Effects: Intercept MaxTemp MeanTemp MinAirTemp SunDuration PrecipForm

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	
Model	5	234.32399	46.86480	73.80	
Error	58	36.83343	0.63506		
Corrected Total	63	271.15742			

Root MSE	0.79691
Dependent Mean	4.77380
R-Square	0.8642
Adj R-Sq	0.8525
AIC	42.64146
AICC	44.64146
SBC	-10.40524
CV PRESS	47.53270

Cross Validation Details					
	Obser	vations			
Index	Fitted	Left Out	CV PRESS		
1	51	13	7.2674		
2	55	9	2.9647		
3	55	9	8.9828		
4	48	16	18.0705		
5	47	17	10.2473		
Total			47.5327		

Tuesday, February 12, 2019 08:30:41 PM **6**

The GLMSELECT Procedure **Selected Model**

Parameter Estimates					
Parameter	DF	Estimate	Standard Error	t Value	
Intercept	1	5.316647	0.478682	11.11	
MaxTemp	1	-0.259096	0.057539	-4.50	
MeanTemp	1	0.293117	0.077018	3.81	
MinAirTemp	1	0.042408	0.031046	1.37	
SunDuration	1	-0.314617	0.040625	-7.74	
PrecipForm	1	0.192779	0.066292	2.91	

The Probit Procedure

	Iteration History for Parameter Estimates							
Iter	Ridge	Loglikelihood	Intercept	SunDuration	MeanCloudCover	MeanCloudVapor	MeanRelHumid	PrecipForm
0	0	-44.36142	0	0	0	0	0	0
1	0	-27.887789	-7.689430736	0.361344993	0.4476859422	-0.155567992	0.0831984461	-0.305621965
2	0	-26.46832	-13.23829153	0.5817670922	0.7020594271	-0.24410343	0.1409888004	-0.462471917
3	0	-26.363299	-15.34664049	0.6614405457	0.7942314436	-0.275771886	0.1632039502	-0.520821013
4	0	-26.362341	-15.57028557	0.6696822928	0.8040464367	-0.279144828	0.1655829836	-0.527229679
5	0	-26.362341	-15.57255882	0.669763746	0.8041467999	-0.279179536	0.1656074134	-0.527297399
6	0	-26.362341	-15.57255882	0.669763746	0.8041467999	-0.279179536	0.1656074134	-0.527297399

Model Information				
Data Set	WORK.WEATHER			
Dependent Variable	Success			
Number of Observations	64			
Name of Distribution	Logistic			
Log Likelihood	-26.36234134			

Number of Observations Read	
Number of Observations Used	64

Class Level Information					
Name	Levels Values				
Success	2	accept reject			

Parameter Information				
Parameter	Effect			
Intercept	Intercept			
SunDuration	SunDuration			
MeanCloudCover	MeanCloudCover			
MeanCloudVapor	MeanCloudVapor			
MeanRelHumid	MeanRelHumid			
PrecipForm	PrecipForm			

Response Profile					
Ordered Total Value Success Frequency					
1	accept	51			
2	reject	13			

The Probit Procedure

PROC PROBIT is modeling the probabilities of levels of Success having LOWER Ordered Values in the response profile table.

Last Evaluation of the Negative of the Gradient						
Intercept	ept SunDuration MeanCloudCov		MeanCloudVapor	MeanRelHumid	PrecipForm	
-6.868066E-8	-3.502049E-7	-3.690076E-7	-5.954016E-7	-5.506644E-6	-3.431029E-8	

Last Evaluation of the Negative of the Hessian								
	Intercept	Intercept SunDuration MeanCloudCover MeanCloudVapor N		MeanRelHumid	PrecipForm			
Intercept	8.3536812485	44.814283348	39.468896957	81.066887122	634.30069074	9.6670850223		
SunDuration	44.814283348	347.81834768	161.89586861	470.76549498	3222.8605574	21.925047306		
MeanCloudCover	39.468896957	161.89586861	223.05127121	387.92809899	3086.641087	65.301147507		
MeanCloudVapor	81.066887122	470.76549498	387.92809899	952.17072571	6154.0779189	67.543465213		
MeanRelHumid	634.30069074	3222.8605574	3086.641087	6154.0779189	48686.345729	806.47075507		
PrecipForm	9.6670850223	21.925047306	65.301147507	67.543465213	806.47075507	50.474315814		

Algorithm converged.

Type III Analysis of Effects						
Effect	DF	Wald Chi-Square	Pr > ChiSq			
SunDuration	1	7.0613	0.0079			
MeanCloudCover	1	4.9497	0.0261			
MeanCloudVapor	1	5.8338	0.0157			
MeanRelHumid	1	4.3896	0.0362			
PrecipForm	1	5.1467	0.0233			

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-15.5726	7.0132	-29.3182	-1.8269	4.93	0.0264
SunDuration	1	0.6698	0.2520	0.1758	1.1638	7.06	0.0079
MeanCloudCover	1	0.8041	0.3614	0.0957	1.5126	4.95	0.0261
MeanCloudVapor	1	-0.2792	0.1156	-0.5057	-0.0526	5.83	0.0157
MeanRelHumid	1	0.1656	0.0790	0.0107	0.3205	4.39	0.0362
PrecipForm	1	-0.5273	0.2324	-0.9829	-0.0717	5.15	0.0233