The Mixed Procedure

Model Information	
Data Set	WORK.MORALLONG1
Dependent Variable	score
Covariance Structure	Heterogeneous Autoregressive
Subject Effect	id
Estimation Method	REML
Residual Variance Method	None
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Between-Within

Class Level Information		
Class	**Levels**	**Values**
procl	2	1 2
order	2	1 2
time	2	1 2

Dimensions	
Covariance Parameters	3
Columns in X	27
Columns in Z	0
Subjects	579
Max Obs Per Subject	2

Number of Observations	
Number of Observations Read	1158
Number of Observations Used	1158
Number of Observations Not Used	0

Iteration History			
Iteration	**Evaluations**	**-2 Res Log Like**	**Criterion**
0	1	4036.12336744	
1	1	3777.65133845	0.00000000

Convergence criteria met.

The Mixed Procedure

Covariance Parameter Estimates		
Cov Parm	Subject	Estimate
Var(1)	id	1.5403
Var(2)	id	2.2420
ARH(1)	id	0.5825

Fit Statistics	
-2 Res Log Likelihood	3777.7
AIC (smaller is better)	3783.7
AICC (smaller is better)	3783.7
BIC (smaller is better)	3796.7

Null Model Likelihood Ratio Test		
DF	Chi-Square	Pr > ChiSq
2	258.47	<.0001

Type 3 Tests of Fixed Effects				
Effect	Num DF	Den DF	F Value	Pr > F
procl	1	575	69.31	<.0001
order	1	575	12.12	0.0005
procl*order	1	575	36.92	<.0001
time	1	575	20.22	<.0001
procl*time	1	575	22.27	<.0001
order*time	1	575	7.23	0.0074
procl*order*time	1	575	66.54	<.0001

Estimates					
Label	Estimate	Standard Error	DF	t Value	Pr > |t|
proc 1 v 2	-0.8443	0.1014	575	-8.33	<.0001
order 1 v 2	0.3530	0.1014	575	3.48	0.0005
order2 only, proc 1 v 2	1.4605	0.1416	575	10.32	<.0001

The Mixed Procedure

Least Squares Means								
Effect	procl	order	time	Estimate	Standard Error	DF	t Value	Pr > |t|
procl*order	1	1		4.2806	0.1034	575	41.39	<.0001
procl*order	1	2		5.2498	0.09858	575	53.26	<.0001
procl*order	2	1		4.0526	0.1020	575	39.74	<.0001
procl*order	2	2		3.7894	0.1016	575	37.29	<.0001
procl*time	1		1	5.0089	0.07271	575	68.89	<.0001
procl*time	1		2	4.5215	0.08773	575	51.54	<.0001
procl*time	2		1	3.9151	0.07326	575	53.44	<.0001
procl*time	2		2	3.9269	0.08839	575	44.43	<.0001
procl*order*time	1	1	1	4.2376	0.1053	575	40.26	<.0001
procl*order*time	1	1	2	4.3237	0.1270	575	34.04	<.0001
procl*order*time	1	2	1	5.7803	0.1003	575	57.61	<.0001
procl*order*time	1	2	2	4.7193	0.1211	575	38.99	<.0001
procl*order*time	2	1	1	4.1913	0.1038	575	40.38	<.0001
procl*order*time	2	1	2	3.9138	0.1252	575	31.26	<.0001
procl*order*time	2	2	1	3.6389	0.1034	575	35.18	<.0001
procl*order*time	2	2	2	3.9399	0.1248	575	31.57	<.0001

Tests of Effect Slices							
Effect	procl	order	time	Num DF	Den DF	F Value	Pr > F
procl*order	1			1	575	46.01	<.0001
procl*order	2			1	575	3.34	0.0680
procl*time			1	1	575	112.31	<.0001
procl*time			2	1	575	22.80	<.0001
procl*order*time		1	1	1	575	0.10	0.7543
procl*order*time		1	2	1	575	5.28	0.0219
procl*order*time		2	1	1	575	220.86	<.0001
procl*order*time		2	2	1	575	20.10	<.0001