

APPENDIX 1

Summary OF ANOVA *p*-values* for timing of key events in the annual cycle of Southern Giant Petrels *M. giganteus* at Hawker and Nelly Islands

Key event	Year	Island	Interaction term (<i>year:island</i>)
First Adult in Colony	0.0743	0.1385	0.8131
Pair Formation	0.000068	0.0264	0.1586
Laying	0.453	0.687	0.558
Hatching	0.0152	0.0219	0.5208
Brooding	0.273	0.257	0.838
Guard	0.0348	0.0000292	0.4681
Last Adult in Colony	0.378	0.719	0.170
Last Chick in Colony	0.826	0.027	0.603

*bold text indicates highly significant *P*-values ($P < 0.001$)

APPENDIX 2

ANOVA summary for the variables 'Pair Formation' and 'Guard'

	Sum of Squares	<i>Df</i>	Mean Square	<i>F</i>	Significance
Pair Formation					
Year	12442	2	6221	10.589	0.000068
Island	2984	1	2984	5.079	0.0264
Year:Island	2204	2	1102	1.876	0.1586
Residuals	58163	99	588		
Guard					
Year	332.9	2	166.5	3.582	0.0348
Island	972.2	1	972.2	20.917	0.0000292
Year:Island	71.6	2	35.8	0.770	0.4681
Residuals	2463.4	53	46.5		