GLM Results Including Interaction Terms a)

Model Term	Estimate	Std. Error	z value	Pr(>|z|)
Intercept	3.710	0.765	4.852	0.000
Predicted/Observed - Observed	1.212	1.134	1.069	0.285
Prediction - With Multipath CPDI Predicted	-8.632	0.831	-10.389	0.000
Prediction - With Multipath No CPDI Predicted	1.450	0.804	1.803	0.071
Exp Analogue - Deep Water Ranging: Receiver 30 m	0.000	1.045	0.000	1.000
Exp Analogue - Shallow Water Ranging: Receiver 1 m	-1.268	0.985	-1.286	0.198
Exp Analogue - Shallow Water Ranging: Receiver 7.5 m	16.320	2227.962	0.007	0.994
Exp Analogue - Shallow Water Ranging: Receiver 15 m	-0.121	1.278	-0.095	0.924
Exp Analogue - Depth Dependent Validation: Depth 50 m	-22.849	3884.326	-0.006	0.995
Exp Analogue - Depth Dependent Validation: Depth 212 m	-4.116	1.191	-3.457	0.001
Exp Analogue - Depth and Distance Validation: Depth 60 m	0.606	2.878	0.211	0.833
Exp Analogue - Depth and Distance Validation: Depth 508	0.606	2.878	0.211	0.833
Predicted * Deep Water Ranging: Receiver 30 m	0.000	1.478	0.000	1.000
Predicted * Shallow Water Ranging: Receiver 1 m	-1.525	1.385	-1.101	0.271
Predicted * Shallow Water Ranging: Receiver 7.5 m	-1.212	3150.814	0.000	1.000
Predicted * Shallow Water Ranging: Receiver 15 m	-1.929	1.683	-1.146	0.252
Predicted * Depth Dependent Validation: Depth 50 m	-1.212	5493.267	0.000	1.000
Predicted * Depth Dependent Validation: Depth 212 m	-1.212	1.718	-0.706	0.480
Predicted * Depth and Distance Validation: Depth 60 m	-1.212	4.083	-0.297	0.766
Predicted * Depth and Distance Validation: Depth 212 m	-1.212	4.083	-0.297	0.766

Residual Deviance: 1170.3 on 919 degrees of freedom
Null Deviance: 170.7 on 900 degrees of freedom

GLM Results Excluding Interactions b)

Model Term	Estimate	Std. Error	z value	Pr(>|z|)
Intercept	4.062	0.666	6.097	0.000
Predicted/Observed - Observed	0.204	0.453	0.451	0.652
Prediction - With Multipath CPDI Predicted	-8.329	0.714	-11.666	0.000
Prediction - With Multipath No CPDI Predicted	1.448	0.804	1.802	0.072
Exp Analogue - Deep Water Ranging: Receiver 30 m	0.000	0.742	0.000	1.000
Exp Analogue - Shallow Water Ranging: Receiver 1 m	-1.884	0.766	-2.458	0.014
Exp Analogue - Shallow Water Ranging: Receiver 7.5 m	15.870	1574.458	0.010	0.992
Exp Analogue - Shallow Water Ranging: Receiver 15 m	-0.988	0.879	-1.123	0.261
Exp Analogue - Depth Dependent Validation: Depth 50 m	-23.308	2745.279	-0.008	0.993
Exp Analogue - Depth Dependent Validation: Depth 212 m	-4.572	0.906	-5.048	0.000
Exp Analogue - Depth and Distance Validation: Depth 60 m	0.000	1.892	0.000	1.000

Residual Deviance: 1170.26 on 919 degrees of freedom
Null Deviance: 173.31 on 908 degrees of freedom