

Mixed Model Analysis

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Model Dimension^a

		Number of Levels	Covariance Structure	Number of Parameters
Fixed Effects	Intercept	1		1
	SNR	3		2
	Program	6		5
	Venting	4		3
	SNR * Program	18		10
	SNR * Venting	12		6
	Program * Venting	24		15
	SNR * Program * Venting	72		30
Random Effects	Audiogram	4	Variance Components	1
Residual				1
Total		144		74

a. Dependent Variable: HASQI.

Information Criteria^a

-2 Restricted Log Likelihood	-2439.902328
Akaike's Information Criterion (AIC)	-2435.902328
Hurvich and Tsai's Criterion (AICC)	-2435.891186
Bozdogan's Criterion (CAIC)	-2423.932896
Schwarz's Bayesian Criterion (BIC)	-2425.932896

The information criteria are displayed in smaller-is-better form.

a. Dependent Variable: HASQI.

Coefficients of Determination

Pseudo-R Square Measures	Marginal	.525
	Conditional	.723

Intraclass Correlation Coefficients

Overall ICCs	Adjusted	.416
	Conditional	.198

Fixed Effects

Type III Tests of Fixed Effects^a

Source	Numerator df	Denominator df	F	Sig.
Intercept	1	2.986	33.790	.010
SNR	2	1077.068	467.828	<.001
Program	5	1077.068	22.196	<.001
Venting	3	1078.168	37.040	<.001
SNR * Program	10	1077.068	.438	.928
SNR * Venting	6	1077.068	8.441	<.001
Program * Venting	15	1077.068	6.925	<.001
SNR * Program * Venting	30	1077.068	.227	1.000

a. Dependent Variable: HASQI.

Covariance Parameters

Estimates of Covariance Parameters^a

Parameter	Estimate	Std. Error
Residual	.005	.000
Audiogram Variance	.004	.003

a. Dependent Variable: HASQI.

Estimated Marginal Means

1. Grand Mean^a

Mean	Std. Error	df	95% Confidence Interval	
			Lower Bound	Upper Bound
.175	.030	2.986	.079	.272

a. Dependent Variable: HASQI.

2. SNR

Estimates^a

SNR	Mean	Std. Error	df	95% Confidence Interval	
				Lower Bound	Upper Bound
-5	.087	.030	3.066	-.009	.182
0	.169	.030	3.066	.074	.265
5	.271	.030	3.066	.175	.366

a. Dependent Variable: HASQI.

Pairwise Comparisons^a

(I) SNR	(J) SNR	Mean Difference (I-J)	Std. Error	df	Sig. ^c	95% Confidence Interval for Difference ^c	
						Lower Bound	Upper Bound
-5	0	-.083 [*]	.006	1077.068	<.001	-.097	-.068
	5	-.184 [*]	.006	1077.068	<.001	-.199	-.170
0	-5	.083 [*]	.006	1077.068	<.001	.068	.097
	5	-.101 [*]	.006	1077.068	<.001	-.116	-.087
5	-5	.184 [*]	.006	1077.068	<.001	.170	.199
	0	.101 [*]	.006	1077.068	<.001	.087	.116

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

a. Dependent Variable: HASQI.

c. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests^a

Numerator df	Denominator df	F	Sig.
2	1077.068	467.828	<.001

The F tests the effect of SNR. This test is based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Dependent Variable: HASQI.

3. Program

Estimates^a

Program	Mean	Std. Error	df	95% Confidence Interval	
				Lower Bound	Upper Bound
No Processing	.149	.031	3.188	.054	.243
Beam	.164	.031	3.188	.069	.258
Beam + NoiseBlock	.172	.031	3.188	.078	.267
DNN	.187	.031	3.188	.092	.281
NoiseBlock	.155	.031	3.188	.060	.249
Beam + DNN	.226	.031	3.188	.132	.321

a. Dependent Variable: HASQL.

Pairwise Comparisons^a

(I) Program	(J) Program	Mean Difference (I-J)	Std. Error	df	Sig. ^c
No Processing	Beam	-.015	.009	1077.068	1.000
	Beam + NoiseBlock	-.024	.009	1077.068	.077
	DNN	-.038 [*]	.009	1077.068	<.001
	NoiseBlock	-.006	.009	1077.068	1.000
	Beam + DNN	-.078 [*]	.009	1077.068	<.001
Beam	No Processing	.015	.009	1077.068	1.000
	Beam + NoiseBlock	-.009	.009	1077.068	1.000
	DNN	-.023	.009	1077.068	.103
	NoiseBlock	.009	.009	1077.068	1.000
	Beam + DNN	-.063 [*]	.009	1077.068	<.001
Beam + NoiseBlock	No Processing	.024	.009	1077.068	.077
	Beam	.009	.009	1077.068	1.000
	DNN	-.014	.009	1077.068	1.000
	NoiseBlock	.018	.009	1077.068	.568
	Beam + DNN	-.054 [*]	.009	1077.068	<.001
DNN	No Processing	.038 [*]	.009	1077.068	<.001
	Beam	.023	.009	1077.068	.103
	Beam + NoiseBlock	.014	.009	1077.068	1.000
	NoiseBlock	.032 [*]	.009	1077.068	.002
	Beam + DNN	-.040 [*]	.009	1077.068	<.001
NoiseBlock	No Processing	.006	.009	1077.068	1.000
	Beam	-.009	.009	1077.068	1.000

Pairwise Comparisons^a

(I) Program	(J) Program	95% Confidence Interval for Difference ^c	
		Lower Bound	Upper Bound
No Processing	Beam	-.040	.010
	Beam + NoiseBlock	-.049	.001
	DNN	-.063	-.013
	NoiseBlock	-.031	.019
	Beam + DNN	-.103	-.053
Beam	No Processing	-.010	.040
	Beam + NoiseBlock	-.034	.016
	DNN	-.048	.002
	NoiseBlock	-.016	.034
	Beam + DNN	-.088	-.038
Beam + NoiseBlock	No Processing	-.001	.049
	Beam	-.016	.034
	DNN	-.040	.011
	NoiseBlock	-.007	.043
	Beam + DNN	-.079	-.029
DNN	No Processing	.013	.063
	Beam	-.002	.048
	Beam + NoiseBlock	-.011	.040
	NoiseBlock	.007	.057
	Beam + DNN	-.065	-.014
NoiseBlock	No Processing	-.019	.031
	Beam	-.034	.016

Pairwise Comparisons^a

(I) Program	(J) Program	Mean Difference (I-J)	Std. Error	df	Sig. ^c
	Beam + NoiseBlock	-.018	.009	1077.068	.568
	DNN	-.032 [*]	.009	1077.068	.002
	Beam + DNN	-.072 [*]	.009	1077.068	<.001
Beam + DNN	No Processing	.078 [*]	.009	1077.068	<.001
	Beam	.063 [*]	.009	1077.068	<.001
	Beam + NoiseBlock	.054 [*]	.009	1077.068	<.001
	DNN	.040 [*]	.009	1077.068	<.001
	NoiseBlock	.072 [*]	.009	1077.068	<.001

Pairwise Comparisons^a

(I) Program	(J) Program	95% Confidence Interval for Difference ^c	
		Lower Bound	Upper Bound
	Beam + NoiseBlock	-.043	.007
	DNN	-.057	-.007
	Beam + DNN	-.097	-.047
Beam + DNN	No Processing	.053	.103
	Beam	.038	.088
	Beam + NoiseBlock	.029	.079
	DNN	.014	.065
	NoiseBlock	.047	.097

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

a. Dependent Variable: HASQI.

c. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests^a

Numerator df	Denominator df	F	Sig.
5	1077.068	22.196	<.001

The F tests the effect of Program. This test is based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Dependent Variable: HASQI.

4. Venting

Estimates^a

Venting	Mean	Std. Error	df	95% Confidence Interval	
				Lower Bound	Upper Bound
Occluded	.209	.030	3.001	.113	.305
1 mm	.172	.031	3.116	.076	.267
Vented Dome	.148	.031	3.354	.054	.241
Open Dome	.174	.031	3.354	.080	.267

a. Dependent Variable: HASQI.

Pairwise Comparisons^a

(I) Venting	(J) Venting	Mean Difference (I-J)	Std. Error	df	Sig. ^c	95% Confidence Interval for ^c ... Lower Bound
Occluded	1 mm	.037 [*]	.006	1080	<.001	.022
	Vented Dome	.061 [*]	.008	1079.798	<.001	.039
	Open Dome	.035 [*]	.008	1079.798	<.001	.013
1 mm	Occluded	-.037 [*]	.006	1080	<.001	-.053
	Vented Dome	.024	.010	1078.422	.118	-.003
	Open Dome	-.002	.010	1078.422	1.000	-.029
Vented Dome	Occluded	-.061 [*]	.008	1079.798	<.001	-.084
	1 mm	-.024	.010	1078.422	.118	-.051
	Open Dome	-.026	.012	1078.422	.166	-.057
Open Dome	Occluded	-.035 [*]	.008	1079.798	<.001	-.057
	1 mm	.002	.010	1078.422	1.000	-.025
	Vented Dome	.026	.012	1078.422	.166	-.005

Pairwise Comparisons^a

(I) Venting	(J) Venting	95% Confidence Interval for ^c ... Upper Bound
Occluded	1 mm	.053
	Vented Dome	.084
	Open Dome	.057
1 mm	Occluded	-.022
	Vented Dome	.051
	Open Dome	.025
Vented Dome	Occluded	-.039
	1 mm	.003
	Open Dome	.005
Open Dome	Occluded	-.013
	1 mm	.029
	Vented Dome	.057

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

a. Dependent Variable: HASQI.

c. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests^a

Numerator df	Denominator df	F	Sig.
3	1079.492	37.040	<.001

The F tests the effect of Venting. This test is based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Dependent Variable: HASQI.

5. SNR * Program

Estimates^a

SNR	Program	Mean	Std. Error	df	95% Confidence Interval	
					Lower Bound	Upper Bound
-5	No Processing	.066	.032	3.699	-.026	.157
	Beam	.081	.032	3.699	-.011	.172
	Beam + NoiseBlock	.086	.032	3.699	-.006	.177
	DNN	.094	.032	3.699	.003	.185
	NoiseBlock	.070	.032	3.699	-.022	.161
	Beam + DNN	.124	.032	3.699	.032	.215
0	No Processing	.138	.032	3.699	.047	.230
	Beam	.157	.032	3.699	.066	.249
	Beam + NoiseBlock	.167	.032	3.699	.076	.258
	DNN	.180	.032	3.699	.089	.272
	NoiseBlock	.145	.032	3.699	.054	.237
	Beam + DNN	.227	.032	3.699	.136	.319
5	No Processing	.241	.032	3.699	.150	.333
	Beam	.254	.032	3.699	.162	.345
	Beam + NoiseBlock	.265	.032	3.699	.173	.356
	DNN	.287	.032	3.699	.195	.378
	NoiseBlock	.249	.032	3.699	.158	.341
	Beam + DNN	.328	.032	3.699	.237	.420

a. Dependent Variable: HASQI.

Pairwise Comparisons^a

SNR	(I) Program	(J) Program	Mean Difference (I-J)	Std. Error	df	Sig. ^c
-5	No Processing	Beam	-.015	.015	1077.068	1.000
		Beam + NoiseBlock	-.020	.015	1077.068	1.000
		DNN	-.028	.015	1077.068	.833
		NoiseBlock	-.004	.015	1077.068	1.000
		Beam + DNN	-.058 [*]	.015	1077.068	.001
	Beam	No Processing	.015	.015	1077.068	1.000
		Beam + NoiseBlock	-.005	.015	1077.068	1.000
		DNN	-.013	.015	1077.068	1.000
		NoiseBlock	.011	.015	1077.068	1.000
		Beam + DNN	-.043	.015	1077.068	.052
	Beam + NoiseBlock	No Processing	.020	.015	1077.068	1.000
		Beam	.005	.015	1077.068	1.000
		DNN	-.008	.015	1077.068	1.000
		NoiseBlock	.016	.015	1077.068	1.000
		Beam + DNN	-.038	.015	1077.068	.147
	DNN	No Processing	.028	.015	1077.068	.833
		Beam	.013	.015	1077.068	1.000
		Beam + NoiseBlock	.008	.015	1077.068	1.000
		NoiseBlock	.024	.015	1077.068	1.000
		Beam + DNN	-.030	.015	1077.068	.660
	NoiseBlock	No Processing	.004	.015	1077.068	1.000
		Beam	-.011	.015	1077.068	1.000
		Beam + NoiseBlock	-.016	.015	1077.068	1.000
		DNN	-.024	.015	1077.068	1.000
		Beam + DNN	-.054 [*]	.015	1077.068	.004
	Beam + DNN	No Processing	.058 [*]	.015	1077.068	.001
		Beam	.043	.015	1077.068	.052
		Beam + NoiseBlock	.038	.015	1077.068	.147
		DNN	.030	.015	1077.068	.660
		NoiseBlock	.054 [*]	.015	1077.068	.004
0	No Processing	Beam	-.019	.015	1077.068	1.000
		Beam + NoiseBlock	-.029	.015	1077.068	.791
		DNN	-.042	.015	1077.068	.072
		NoiseBlock	-.007	.015	1077.068	1.000
		Beam + DNN	-.089 [*]	.015	1077.068	<.001
	Beam	No Processing	.019	.015	1077.068	1.000
		Beam + NoiseBlock	-.010	.015	1077.068	1.000

Pairwise Comparisons^a

SNR	(I) Program	(J) Program	95% Confidence Interval for Difference ^c	
			Lower Bound	Upper Bound
-5	No Processing	Beam	-.058	.029
		Beam + NoiseBlock	-.063	.024
		DNN	-.072	.015
		NoiseBlock	-.047	.040
		Beam + DNN	-.101	-.015
	Beam	No Processing	-.029	.058
		Beam + NoiseBlock	-.048	.038
		DNN	-.057	.030
		NoiseBlock	-.032	.054
		Beam + DNN	-.087	.000
	Beam + NoiseBlock	No Processing	-.024	.063
		Beam	-.038	.048
		DNN	-.052	.035
		NoiseBlock	-.027	.059
		Beam + DNN	-.082	.005
	DNN	No Processing	-.015	.072
		Beam	-.030	.057
		Beam + NoiseBlock	-.035	.052
		NoiseBlock	-.019	.068
		Beam + DNN	-.073	.014
	NoiseBlock	No Processing	-.040	.047
		Beam	-.054	.032
		Beam + NoiseBlock	-.059	.027
		DNN	-.068	.019
		Beam + DNN	-.098	-.011
	Beam + DNN	No Processing	.015	.101
		Beam	.000	.087
		Beam + NoiseBlock	-.005	.082
		DNN	-.014	.073
		NoiseBlock	.011	.098
0	No Processing	Beam	-.062	.024
		Beam + NoiseBlock	-.072	.015
		DNN	-.085	.002
		NoiseBlock	-.050	.037
		Beam + DNN	-.132	-.045
	Beam	No Processing	-.024	.062
		Beam + NoiseBlock	-.053	.034

Pairwise Comparisons^a

SNR	(I) Program	(J) Program	Mean Difference (I-J)	Std. Error	df	Sig. ^c
	Beam + NoiseBlock	DNN	-.023	.015	1077.068	1.000
		NoiseBlock	.012	.015	1077.068	1.000
		Beam + DNN	-.070*	.015	1077.068	<.001
		No Processing	.029	.015	1077.068	.791
		Beam	.010	.015	1077.068	1.000
		DNN	-.013	.015	1077.068	1.000
		NoiseBlock	.022	.015	1077.068	1.000
		Beam + DNN	-.060*	.015	1077.068	<.001
	DNN	No Processing	.042	.015	1077.068	.072
		Beam	.023	.015	1077.068	1.000
		Beam + NoiseBlock	.013	.015	1077.068	1.000
		NoiseBlock	.035	.015	1077.068	.270
		Beam + DNN	-.047*	.015	1077.068	.022
	NoiseBlock	No Processing	.007	.015	1077.068	1.000
		Beam	-.012	.015	1077.068	1.000
		Beam + NoiseBlock	-.022	.015	1077.068	1.000
		DNN	-.035	.015	1077.068	.270
		Beam + DNN	-.082*	.015	1077.068	<.001
	Beam + DNN	No Processing	.089*	.015	1077.068	<.001
		Beam	.070*	.015	1077.068	<.001
		Beam + NoiseBlock	.060*	.015	1077.068	<.001
		DNN	.047*	.015	1077.068	.022
		NoiseBlock	.082*	.015	1077.068	<.001
5	No Processing	Beam	-.012	.015	1077.068	1.000
		Beam + NoiseBlock	-.023	.015	1077.068	1.000
		DNN	-.045*	.015	1077.068	.034
		NoiseBlock	-.008	.015	1077.068	1.000
		Beam + DNN	-.087*	.015	1077.068	<.001
	Beam	No Processing	.012	.015	1077.068	1.000
		Beam + NoiseBlock	-.011	.015	1077.068	1.000
		DNN	-.033	.015	1077.068	.384
		NoiseBlock	.004	.015	1077.068	1.000
		Beam + DNN	-.075*	.015	1077.068	<.001
	Beam + NoiseBlock	No Processing	.023	.015	1077.068	1.000
		Beam	.011	.015	1077.068	1.000
		DNN	-.022	.015	1077.068	1.000

Pairwise Comparisons^a

SNR	(I) Program	(J) Program	95% Confidence Interval for Difference ^c	
			Lower Bound	Upper Bound
	Beam + NoiseBlock	DNN	-.066	.021
		NoiseBlock	-.031	.056
		Beam + DNN	-.113	-.026
		No Processing	-.015	.072
		Beam	-.034	.053
		DNN	-.057	.030
		NoiseBlock	-.022	.065
		Beam + DNN	-.104	-.017
	DNN	No Processing	-.002	.085
		Beam	-.021	.066
		Beam + NoiseBlock	-.030	.057
		NoiseBlock	-.008	.078
		Beam + DNN	-.091	-.004
	NoiseBlock	No Processing	-.037	.050
		Beam	-.056	.031
		Beam + NoiseBlock	-.065	.022
		DNN	-.078	.008
		Beam + DNN	-.126	-.039
	Beam + DNN	No Processing	.045	.132
		Beam	.026	.113
		Beam + NoiseBlock	.017	.104
		DNN	.004	.091
		NoiseBlock	.039	.126
5	No Processing	Beam	-.056	.031
		Beam + NoiseBlock	-.067	.020
		DNN	-.089	-.002
		NoiseBlock	-.051	.036
		Beam + DNN	-.130	-.043
	Beam	No Processing	-.031	.056
		Beam + NoiseBlock	-.054	.032
		DNN	-.076	.010
		NoiseBlock	-.039	.048
		Beam + DNN	-.118	-.031
	Beam + NoiseBlock	No Processing	-.020	.067
		Beam	-.032	.054
		DNN	-.065	.021

Pairwise Comparisons^a

SNR	(I) Program	(J) Program	Mean Difference (I-J)	Std. Error	df	Sig. ^c
		NoiseBlock	.015	.015	1077.068	1.000
		Beam + DNN	-.064 [*]	.015	1077.068	<.001
	DNN	No Processing	.045 [*]	.015	1077.068	.034
		Beam	.033	.015	1077.068	.384
		Beam + NoiseBlock	.022	.015	1077.068	1.000
		NoiseBlock	.037	.015	1077.068	.177
		Beam + DNN	-.042	.015	1077.068	.073
	NoiseBlock	No Processing	.008	.015	1077.068	1.000
		Beam	-.004	.015	1077.068	1.000
		Beam + NoiseBlock	-.015	.015	1077.068	1.000
		DNN	-.037	.015	1077.068	.177
		Beam + DNN	-.079 [*]	.015	1077.068	<.001
	Beam + DNN	No Processing	.087 [*]	.015	1077.068	<.001
		Beam	.075 [*]	.015	1077.068	<.001
		Beam + NoiseBlock	.064 [*]	.015	1077.068	<.001
		DNN	.042	.015	1077.068	.073
		NoiseBlock	.079 [*]	.015	1077.068	<.001

Pairwise Comparisons^a

SNR	(I) Program	(J) Program	95% Confidence Interval for Difference ^c	
			Lower Bound	Upper Bound
	DNN	NoiseBlock	-.028	.059
		Beam + DNN	-.107	-.020
		No Processing	.002	.089
		Beam	-.010	.076
		Beam + NoiseBlock	-.021	.065
		NoiseBlock	-.006	.081
	NoiseBlock	Beam + DNN	-.085	.002
		No Processing	-.036	.051
		Beam	-.048	.039
		Beam + NoiseBlock	-.059	.028
		DNN	-.081	.006
		Beam + DNN	-.122	-.035
	Beam + DNN	No Processing	.043	.130
		Beam	.031	.118
		Beam + NoiseBlock	.020	.107
		DNN	-.002	.085
		NoiseBlock	.035	.122

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

a. Dependent Variable: HASQI.

c. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests^a

SNR	Numerator df	Denominator df	F	Sig.
-5	5	1077.068	4.039	.001
0	5	1077.068	9.477	<.001
5	5	1077.068	9.556	<.001

Each F tests the simple effects of Program within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Dependent Variable: HASQI.

6. SNR * Venting^a

SNR	Venting	Mean	Std. Error	df	95% Confidence Interval	
					Lower Bound	Upper Bound
-5	Occluded	.103	.031	3.117	.007	.198
	1 mm	.060	.031	3.357	-.034	.153
	Vented Dome	.064	.032	3.861	-.027	.155
	Open Dome	.120	.032	3.861	.029	.210
0	Occluded	.204	.031	3.117	.109	.299
	1 mm	.167	.031	3.357	.074	.260
	Vented Dome	.139	.032	3.861	.048	.230
	Open Dome	.167	.032	3.861	.076	.257
5	Occluded	.320	.031	3.117	.225	.415
	1 mm	.288	.031	3.357	.195	.381
	Vented Dome	.240	.032	3.861	.149	.330
	Open Dome	.235	.032	3.861	.144	.325

a. Dependent Variable: HASQL.

7. Program * Venting

Estimates^a

Program	Venting	Mean	Std. Error	df	95% Confidence Interval	
					Lower Bound	Upper Bound
No Processing	Occluded	.150	.031	3.297	.056	.243
	1 mm	.124	.032	3.734	.033	.216
	Vented Dome	.145	.034	4.688	.057	.234
	Open Dome	.175	.034	4.688	.086	.263
Beam	Occluded	.188	.031	3.297	.094	.281
	1 mm	.143	.032	3.734	.052	.234
	Vented Dome	.148	.034	4.688	.059	.237
	Open Dome	.176	.034	4.688	.088	.265
Beam + NoiseBlock	Occluded	.208	.031	3.297	.115	.302
	1 mm	.160	.032	3.734	.069	.251
	Vented Dome	.146	.034	4.688	.057	.235
	Open Dome	.176	.034	4.688	.087	.264
DNN	Occluded	.234	.031	3.297	.140	.327
	1 mm	.200	.032	3.734	.109	.292
	Vented Dome	.143	.034	4.688	.055	.232
	Open Dome	.170	.034	4.688	.081	.259
NoiseBlock	Occluded	.167	.031	3.297	.073	.261
	1 mm	.136	.032	3.734	.045	.228

Estimates^a

Program	Venting	Mean	Std. Error	df	95% Confidence Interval	
					Lower Bound	Upper Bound
Beam + DNN	Vented Dome	.142	.034	4.688	.053	.231
	Open Dome	.173	.034	4.688	.085	.262
	Occluded	.308	.031	3.297	.214	.401
	1 mm	.265	.032	3.734	.174	.356
	Vented Dome	.161	.034	4.688	.072	.249
	Open Dome	.172	.034	4.688	.084	.261

a. Dependent Variable: HASQL.

Pairwise Comparisons^a

Venting	(I) Program	(J) Program	Mean Difference (I-J)	Std. Error	df
Occluded	No Processing	Beam	-.038 [*]	.010	1077.068
		Beam + NoiseBlock	-.059 [*]	.010	1077.068
		DNN	-.084 [*]	.010	1077.068
		NoiseBlock	-.017	.010	1077.068
		Beam + DNN	-.158 [*]	.010	1077.068
	Beam	No Processing	.038 [*]	.010	1077.068
		Beam + NoiseBlock	-.021	.010	1077.068
		DNN	-.046 [*]	.010	1077.068
		NoiseBlock	.021	.010	1077.068
		Beam + DNN	-.120 [*]	.010	1077.068
	Beam + NoiseBlock	No Processing	.059 [*]	.010	1077.068
		Beam	.021	.010	1077.068
		DNN	-.025	.010	1077.068
		NoiseBlock	.041 [*]	.010	1077.068
		Beam + DNN	-.099 [*]	.010	1077.068
	DNN	No Processing	.084 [*]	.010	1077.068
		Beam	.046 [*]	.010	1077.068
		Beam + NoiseBlock	.025	.010	1077.068
		NoiseBlock	.067 [*]	.010	1077.068
		Beam + DNN	-.074 [*]	.010	1077.068
	NoiseBlock	No Processing	.017	.010	1077.068
		Beam	-.021	.010	1077.068

Pairwise Comparisons^a

Venting	(I) Program	(J) Program	Sig. ^c	95% Confidence Interval for Difference ^c	
				Lower Bound	Upper Bound
Occluded	No Processing	Beam	.003	-.068	-.008
		Beam + NoiseBlock	<.001	-.089	-.029
		DNN	<.001	-.114	-.054
		NoiseBlock	1.000	-.048	.013
		Beam + DNN	<.001	-.188	-.128
	Beam	No Processing	.003	.008	.068
		Beam + NoiseBlock	.656	-.051	.009
		DNN	<.001	-.076	-.016
		NoiseBlock	.694	-.010	.051
		Beam + DNN	<.001	-.150	-.090
	Beam + NoiseBlock	No Processing	<.001	.029	.089
		Beam	.656	-.009	.051
		DNN	.200	-.056	.005
		NoiseBlock	<.001	.011	.072
		Beam + DNN	<.001	-.129	-.069
	DNN	No Processing	<.001	.054	.114
		Beam	<.001	.016	.076
		Beam + NoiseBlock	.200	-.005	.056
		NoiseBlock	<.001	.037	.097
		Beam + DNN	<.001	-.104	-.043
	NoiseBlock	No Processing	1.000	-.013	.048
		Beam	.694	-.051	.010

Pairwise Comparisons^a

Venting	(I) Program	(J) Program	Mean Difference (I-J)	Std. Error	df
	Beam + DNN	Beam + NoiseBlock	-.041 [*]	.010	1077.068
		DNN	-.067 [*]	.010	1077.068
		Beam + DNN	-.140 [*]	.010	1077.068
		No Processing	.158 [*]	.010	1077.068
		Beam	.120 [*]	.010	1077.068
		Beam + NoiseBlock	.099 [*]	.010	1077.068
		DNN	.074 [*]	.010	1077.068
		NoiseBlock	.140 [*]	.010	1077.068
1 mm	No Processing	Beam	-.019	.015	1077.068
		Beam + NoiseBlock	-.035	.015	1077.068
		DNN	-.076 [*]	.015	1077.068
		NoiseBlock	-.012	.015	1077.068
		Beam + DNN	-.141 [*]	.015	1077.068
	Beam	No Processing	.019	.015	1077.068
		Beam + NoiseBlock	-.016	.015	1077.068
		DNN	-.057 [*]	.015	1077.068
		NoiseBlock	.007	.015	1077.068
		Beam + DNN	-.122 [*]	.015	1077.068
	Beam + NoiseBlock	No Processing	.035	.015	1077.068
		Beam	.016	.015	1077.068
		DNN	-.041	.015	1077.068
		NoiseBlock	.023	.015	1077.068
		Beam + DNN	-.105 [*]	.015	1077.068
	DNN	No Processing	.076 [*]	.015	1077.068
		Beam	.057 [*]	.015	1077.068
		Beam + NoiseBlock	.041	.015	1077.068
		NoiseBlock	.064 [*]	.015	1077.068
		Beam + DNN	-.065 [*]	.015	1077.068
	NoiseBlock	No Processing	.012	.015	1077.068
		Beam	-.007	.015	1077.068
		Beam + NoiseBlock	-.023	.015	1077.068
		DNN	-.064 [*]	.015	1077.068
		Beam + DNN	-.129 [*]	.015	1077.068
	Beam + DNN	No Processing	.141 [*]	.015	1077.068
		Beam	.122 [*]	.015	1077.068

Pairwise Comparisons^a

Venting	(I) Program	(J) Program	Sig. ^c	95% Confidence Interval for Difference ^c	
				Lower Bound	Upper Bound
	Beam + DNN	Beam + NoiseBlock	<.001	-.072	-.011
		DNN	<.001	-.097	-.037
		Beam + DNN	<.001	-.171	-.110
		No Processing	<.001	.128	.188
		Beam	<.001	.090	.150
		Beam + NoiseBlock	<.001	.069	.129
		DNN	<.001	.043	.104
		NoiseBlock	<.001	.110	.171
1 mm	No Processing	Beam	1.000	-.062	.024
		Beam + NoiseBlock	.231	-.078	.007
		DNN	<.001	-.119	-.033
		NoiseBlock	1.000	-.055	.031
		Beam + DNN	<.001	-.183	-.098
	Beam	No Processing	1.000	-.024	.062
		Beam + NoiseBlock	1.000	-.059	.026
		DNN	.001	-.100	-.014
		NoiseBlock	1.000	-.036	.050
		Beam + DNN	<.001	-.165	-.079
	Beam + NoiseBlock	No Processing	.231	-.007	.078
		Beam	1.000	-.026	.059
		DNN	.078	-.083	.002
		NoiseBlock	1.000	-.019	.066
		Beam + DNN	<.001	-.148	-.063
	DNN	No Processing	<.001	.033	.119
		Beam	.001	.014	.100
		Beam + NoiseBlock	.078	-.002	.083
		NoiseBlock	<.001	.021	.107
		Beam + DNN	<.001	-.108	-.022
	NoiseBlock	No Processing	1.000	-.031	.055
		Beam	1.000	-.050	.036
		Beam + NoiseBlock	1.000	-.066	.019
		DNN	<.001	-.107	-.021
		Beam + DNN	<.001	-.171	-.086
	Beam + DNN	No Processing	<.001	.098	.183
		Beam	<.001	.079	.165

Pairwise Comparisons^a

Venting	(I) Program	(J) Program	Mean Difference (I-J)	Std. Error	df
		Beam + NoiseBlock	.105*	.015	1077.068
		DNN	.065*	.015	1077.068
		NoiseBlock	.129*	.015	1077.068
Vented Dome	No Processing	Beam	-.003	.021	1077.068
		Beam + NoiseBlock	-.001	.021	1077.068
		DNN	.002	.021	1077.068
		NoiseBlock	.003	.021	1077.068
		Beam + DNN	-.016	.021	1077.068
	Beam	No Processing	.003	.021	1077.068
		Beam + NoiseBlock	.002	.021	1077.068
		DNN	.005	.021	1077.068
		NoiseBlock	.006	.021	1077.068
		Beam + DNN	-.013	.021	1077.068
	Beam + NoiseBlock	No Processing	.001	.021	1077.068
		Beam	-.002	.021	1077.068
		DNN	.003	.021	1077.068
		NoiseBlock	.004	.021	1077.068
		Beam + DNN	-.015	.021	1077.068
	DNN	No Processing	-.002	.021	1077.068
		Beam	-.005	.021	1077.068
		Beam + NoiseBlock	-.003	.021	1077.068
		NoiseBlock	.001	.021	1077.068
		Beam + DNN	-.017	.021	1077.068
	NoiseBlock	No Processing	-.003	.021	1077.068
		Beam	-.006	.021	1077.068
		Beam + NoiseBlock	-.004	.021	1077.068
		DNN	-.001	.021	1077.068
		Beam + DNN	-.019	.021	1077.068
	Beam + DNN	No Processing	.016	.021	1077.068
		Beam	.013	.021	1077.068
		Beam + NoiseBlock	.015	.021	1077.068
		DNN	.017	.021	1077.068
		NoiseBlock	.019	.021	1077.068
Open Dome	No Processing	Beam	-.002	.021	1077.068
		Beam + NoiseBlock	-.001	.021	1077.068

Pairwise Comparisons^a

Venting	(I) Program	(J) Program	Sig. ^c	95% Confidence Interval for Difference ^c	
				Lower Bound	Upper Bound
		Beam + NoiseBlock	<.001	.063	.148
		DNN	<.001	.022	.108
		NoiseBlock	<.001	.086	.171
Vented Dome	No Processing	Beam	1.000	-.063	.058
		Beam + NoiseBlock	1.000	-.061	.060
		DNN	1.000	-.059	.062
		NoiseBlock	1.000	-.057	.064
		Beam + DNN	1.000	-.076	.045
	Beam	No Processing	1.000	-.058	.063
		Beam + NoiseBlock	1.000	-.059	.062
		DNN	1.000	-.056	.065
		NoiseBlock	1.000	-.055	.066
		Beam + DNN	1.000	-.073	.048
	Beam + NoiseBlock	No Processing	1.000	-.060	.061
		Beam	1.000	-.062	.059
		DNN	1.000	-.058	.063
		NoiseBlock	1.000	-.056	.064
		Beam + DNN	1.000	-.075	.046
	DNN	No Processing	1.000	-.062	.059
		Beam	1.000	-.065	.056
		Beam + NoiseBlock	1.000	-.063	.058
		NoiseBlock	1.000	-.059	.062
		Beam + DNN	1.000	-.078	.043
	NoiseBlock	No Processing	1.000	-.064	.057
		Beam	1.000	-.066	.055
		Beam + NoiseBlock	1.000	-.064	.056
		DNN	1.000	-.062	.059
		Beam + DNN	1.000	-.079	.042
	Beam + DNN	No Processing	1.000	-.045	.076
		Beam	1.000	-.048	.073
		Beam + NoiseBlock	1.000	-.046	.075
		DNN	1.000	-.043	.078
		NoiseBlock	1.000	-.042	.079
Open Dome	No Processing	Beam	1.000	-.062	.059
		Beam + NoiseBlock	1.000	-.061	.060

Pairwise Comparisons^a

Venting	(I) Program	(J) Program	Mean Difference (I-J)	Std. Error	df
		DNN	.005	.021	1077.068
		NoiseBlock	.002	.021	1077.068
		Beam + DNN	.003	.021	1077.068
	Beam	No Processing	.002	.021	1077.068
		Beam + NoiseBlock	.001	.021	1077.068
		DNN	.006	.021	1077.068
		NoiseBlock	.003	.021	1077.068
		Beam + DNN	.004	.021	1077.068
	Beam + NoiseBlock	No Processing	.001	.021	1077.068
		Beam	-.001	.021	1077.068
		DNN	.006	.021	1077.068
		NoiseBlock	.002	.021	1077.068
		Beam + DNN	.003	.021	1077.068
	DNN	No Processing	-.005	.021	1077.068
		Beam	-.006	.021	1077.068
		Beam + NoiseBlock	-.006	.021	1077.068
		NoiseBlock	-.003	.021	1077.068
		Beam + DNN	-.002	.021	1077.068
	NoiseBlock	No Processing	-.002	.021	1077.068
		Beam	-.003	.021	1077.068
		Beam + NoiseBlock	-.002	.021	1077.068
		DNN	.003	.021	1077.068
		Beam + DNN	.001	.021	1077.068
	Beam + DNN	No Processing	-.003	.021	1077.068
		Beam	-.004	.021	1077.068
		Beam + NoiseBlock	-.003	.021	1077.068
		DNN	.002	.021	1077.068
		NoiseBlock	-.001	.021	1077.068

Pairwise Comparisons^a

Venting	(I) Program	(J) Program	Sig. ^c	95% Confidence Interval for Difference ^c	
				Lower Bound	Upper Bound
		DNN	1.000	-.056	.065
		NoiseBlock	1.000	-.059	.062
		Beam + DNN	1.000	-.058	.063
	Beam	No Processing	1.000	-.059	.062
		Beam + NoiseBlock	1.000	-.060	.061
		DNN	1.000	-.054	.067
		NoiseBlock	1.000	-.057	.064
		Beam + DNN	1.000	-.056	.065
	Beam + NoiseBlock	No Processing	1.000	-.060	.061
		Beam	1.000	-.061	.060
		DNN	1.000	-.055	.066
		NoiseBlock	1.000	-.058	.063
		Beam + DNN	1.000	-.057	.064
	DNN	No Processing	1.000	-.065	.056
		Beam	1.000	-.067	.054
		Beam + NoiseBlock	1.000	-.066	.055
		NoiseBlock	1.000	-.064	.057
		Beam + DNN	1.000	-.063	.058
	NoiseBlock	No Processing	1.000	-.062	.059
		Beam	1.000	-.064	.057
		Beam + NoiseBlock	1.000	-.063	.058
		DNN	1.000	-.057	.064
		Beam + DNN	1.000	-.060	.061
	Beam + DNN	No Processing	1.000	-.063	.058
		Beam	1.000	-.065	.056
		Beam + NoiseBlock	1.000	-.064	.057
		DNN	1.000	-.058	.063
		NoiseBlock	1.000	-.061	.060

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

a. Dependent Variable: HASQI.

c. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests^a

Venting	Numerator df	Denominator df	F	Sig.
Occluded	5	1077.068	60.838	<.001
1 mm	5	1077.068	26.468	<.001
Vented Dome	5	1077.068	.218	.955
Open Dome	5	1077.068	.026	1.000

Each F tests the simple effects of Program within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Dependent Variable: HASQI.

8. SNR * Program * Venting

Estimates^a

SNR	Program	Venting	Mean	Std. Error	df	95% ... Lower Bound
-5	No Processing	Occluded	.061	.033	4.065	-.029
		1 mm	.023	.035	5.442	-.065
		Vented Dome	.060	.040	8.790	-.029
		Open Dome	.119	.040	8.790	.029
	Beam	Occluded	.091	.033	4.065	.001
		1 mm	.046	.035	5.442	-.042
		Vented Dome	.064	.040	8.790	-.026
		Open Dome	.121	.040	8.790	.031
	Beam + NoiseBlock	Occluded	.104	.033	4.065	.014
		1 mm	.055	.035	5.442	-.033
		Vented Dome	.063	.040	8.790	-.027
		Open Dome	.120	.040	8.790	.031
	DNN	Occluded	.116	.033	4.065	.026
		1 mm	.076	.035	5.442	-.012
		Vented Dome	.064	.040	8.790	-.026
		Open Dome	.120	.040	8.790	.030
	NoiseBlock	Occluded	.071	.033	4.065	-.019
		1 mm	.030	.035	5.442	-.058
		Vented Dome	.059	.040	8.790	-.031
		Open Dome	.118	.040	8.790	.029
	Beam + DNN	Occluded	.172	.033	4.065	.082
		1 mm	.128	.035	5.442	.040
		Vented Dome	.074	.040	8.790	-.016
		Open Dome	.121	.040	8.790	.031

Estimates^a

SNR	Program	Venting	95% ... Upper Bound
-5	No Processing	Occluded	.151
		1 mm	.111
		Vented Dome	.150
		Open Dome	.208
	Beam	Occluded	.181
		1 mm	.134
		Vented Dome	.154
		Open Dome	.211
	Beam + NoiseBlock	Occluded	.194
		1 mm	.143
		Vented Dome	.153
		Open Dome	.210
	DNN	Occluded	.206
		1 mm	.164
		Vented Dome	.154
		Open Dome	.209
	NoiseBlock	Occluded	.161
		1 mm	.118
		Vented Dome	.149
		Open Dome	.208
	Beam + DNN	Occluded	.262
		1 mm	.216
		Vented Dome	.164
		Open Dome	.211

Estimates^a

SNR	Program	Venting	Mean	Std. Error	df	95% ... Lower Bound
0	No Processing	Occluded	.139	.033	4.065	.049
		1 mm	.113	.035	5.442	.025
		Vented Dome	.135	.040	8.790	.045
		Open Dome	.167	.040	8.790	.077
	Beam	Occluded	.182	.033	4.065	.092
		1 mm	.138	.035	5.442	.050
		Vented Dome	.140	.040	8.790	.050
		Open Dome	.170	.040	8.790	.080
	Beam + NoiseBlock	Occluded	.205	.033	4.065	.115
		1 mm	.156	.035	5.442	.068
		Vented Dome	.138	.040	8.790	.048
		Open Dome	.169	.040	8.790	.079
	DNN	Occluded	.228	.033	4.065	.138
		1 mm	.195	.035	5.442	.107
		Vented Dome	.134	.040	8.790	.045
		Open Dome	.164	.040	8.790	.074
	NoiseBlock	Occluded	.158	.033	4.065	.068
		1 mm	.126	.035	5.442	.038
		Vented Dome	.132	.040	8.790	.042
		Open Dome	.165	.040	8.790	.075
	Beam + DNN	Occluded	.315	.033	4.065	.225
		1 mm	.275	.035	5.442	.187
		Vented Dome	.154	.040	8.790	.064
		Open Dome	.166	.040	8.790	.076
5	No Processing	Occluded	.249	.033	4.065	.159
		1 mm	.237	.035	5.442	.149
		Vented Dome	.240	.040	8.790	.150
		Open Dome	.239	.040	8.790	.149
	Beam	Occluded	.289	.033	4.065	.199
		1 mm	.246	.035	5.442	.158
		Vented Dome	.240	.040	8.790	.150
		Open Dome	.239	.040	8.790	.149
	Beam + NoiseBlock	Occluded	.315	.033	4.065	.225
		1 mm	.268	.035	5.442	.180
		Vented Dome	.237	.040	8.790	.147
		Open Dome	.237	.040	8.790	.148
	DNN	Occluded	.358	.033	4.065	.268
		1 mm	.330	.035	5.442	.242

Estimates^a

SNR	Program	Venting	95% ... Upper Bound
0	No Processing	Occluded	.229
		1 mm	.201
		Vented Dome	.225
		Open Dome	.257
	Beam	Occluded	.272
		1 mm	.226
		Vented Dome	.230
		Open Dome	.259
	Beam + NoiseBlock	Occluded	.295
		1 mm	.244
		Vented Dome	.228
		Open Dome	.259
	DNN	Occluded	.318
		1 mm	.283
		Vented Dome	.224
		Open Dome	.253
	NoiseBlock	Occluded	.248
		1 mm	.214
		Vented Dome	.222
		Open Dome	.254
	Beam + DNN	Occluded	.405
		1 mm	.363
		Vented Dome	.244
		Open Dome	.256
5	No Processing	Occluded	.339
		1 mm	.325
		Vented Dome	.330
		Open Dome	.328
	Beam	Occluded	.379
		1 mm	.334
		Vented Dome	.330
		Open Dome	.328
	Beam + NoiseBlock	Occluded	.405
		1 mm	.356
		Vented Dome	.327
		Open Dome	.327
	DNN	Occluded	.448
		1 mm	.418

Estimates^a

SNR	Program	Venting	Mean	Std. Error	df	95% ... Lower Bound
	NoiseBlock	Vented Dome	.232	.040	8.790	.142
		Open Dome	.227	.040	8.790	.137
		Occluded	.273	.033	4.065	.183
		1 mm	.253	.035	5.442	.165
	Beam + DNN	Vented Dome	.235	.040	8.790	.145
		Open Dome	.237	.040	8.790	.147
		Occluded	.436	.033	4.065	.346
		1 mm	.393	.035	5.442	.305
		Vented Dome	.255	.040	8.790	.165
		Open Dome	.230	.040	8.790	.140

Estimates^a

SNR	Program	Venting	95% ... Upper Bound
	NoiseBlock	Vented Dome	.321
		Open Dome	.317
		Occluded	.363
		1 mm	.341
	Beam + DNN	Vented Dome	.325
		Open Dome	.326
		Occluded	.526
		1 mm	.481
		Vented Dome	.344
		Open Dome	.319

a. Dependent Variable: HASQI.

Pairwise Comparisons^a

SNR	Venting	(I) Program	(J) Program	Mean Difference (I-J)	Std. Error	df
-5	Occluded	No Processing	Beam	-.031	.018	1077.068
			Beam + NoiseBlock	-.044	.018	1077.068
			DNN	-.055*	.018	1077.068
			NoiseBlock	-.010	.018	1077.068
			Beam + DNN	-.112*	.018	1077.068
		Beam	No Processing	.031	.018	1077.068
			Beam + NoiseBlock	-.013	.018	1077.068
			DNN	-.025	.018	1077.068
			NoiseBlock	.020	.018	1077.068
			Beam + DNN	-.081*	.018	1077.068
		Beam + NoiseBlock	No Processing	.044	.018	1077.068
			Beam	.013	.018	1077.068
			DNN	-.011	.018	1077.068
			NoiseBlock	.034	.018	1077.068
			Beam + DNN	-.068*	.018	1077.068
		DNN	No Processing	.055*	.018	1077.068
			Beam	.025	.018	1077.068
			Beam + NoiseBlock	.011	.018	1077.068
			NoiseBlock	.045	.018	1077.068
			Beam + DNN	-.057*	.018	1077.068
		NoiseBlock	No Processing	.010	.018	1077.068
			Beam	-.020	.018	1077.068
			Beam + NoiseBlock	-.034	.018	1077.068
			DNN	-.045	.018	1077.068
			Beam + DNN	-.101*	.018	1077.068
		Beam + DNN	No Processing	.112*	.018	1077.068
			Beam	.081*	.018	1077.068
			Beam + NoiseBlock	.068*	.018	1077.068
			DNN	.057*	.018	1077.068
			NoiseBlock	.101*	.018	1077.068
	1 mm	No Processing	Beam	-.023	.025	1077.068
			Beam + NoiseBlock	-.032	.025	1077.068
			DNN	-.053	.025	1077.068
			NoiseBlock	-.007	.025	1077.068
			Beam + DNN	-.105*	.025	1077.068

Pairwise Comparisons^a

SNR	Venting	(I) Program	(J) Program	Sig. ^c	95% Confidence Interval for ^c ...
					Lower Bound
-5	Occluded	No Processing	Beam	1.000	-.083
			Beam + NoiseBlock	.211	-.096
			DNN	.030	-.107
			NoiseBlock	1.000	-.063
			Beam + DNN	<.001	-.164
		Beam	No Processing	1.000	-.022
			Beam + NoiseBlock	1.000	-.066
			DNN	1.000	-.077
			NoiseBlock	1.000	-.032
			Beam + DNN	<.001	-.134
		Beam + NoiseBlock	No Processing	.211	-.009
			Beam	1.000	-.039
			DNN	1.000	-.064
			NoiseBlock	.902	-.019
			Beam + DNN	.002	-.120
		DNN	No Processing	.030	.003
			Beam	1.000	-.028
			Beam + NoiseBlock	1.000	-.041
			NoiseBlock	.180	-.008
			Beam + DNN	.022	-.109
		NoiseBlock	No Processing	1.000	-.042
			Beam	1.000	-.073
			Beam + NoiseBlock	.902	-.086
			DNN	.180	-.097
			Beam + DNN	<.001	-.154
		Beam + DNN	No Processing	<.001	.059
			Beam	<.001	.029
			Beam + NoiseBlock	.002	.016
			DNN	.022	.004
			NoiseBlock	<.001	.049
	1 mm	No Processing	Beam	1.000	-.097
			Beam + NoiseBlock	1.000	-.106
			DNN	.511	-.128
			NoiseBlock	1.000	-.081
			Beam + DNN	<.001	-.179

Pairwise Comparisons^a

				95% Confidence Interval for \bar{c}_{ij}
SNR	Venting	(I) Program	(J) Program	Upper Bound
-5	Occluded	No Processing	Beam	.022
			Beam + NoiseBlock	.009
			DNN	-.003
			NoiseBlock	.042
			Beam + DNN	-.059
		Beam	No Processing	.083
			Beam + NoiseBlock	.039
			DNN	.028
			NoiseBlock	.073
			Beam + DNN	-.029
		Beam + NoiseBlock	No Processing	.096
			Beam	.066
			DNN	.041
			NoiseBlock	.086
			Beam + DNN	-.016
		DNN	No Processing	.107
			Beam	.077
			Beam + NoiseBlock	.064
			NoiseBlock	.097
			Beam + DNN	-.004
		NoiseBlock	No Processing	.063
			Beam	.032
			Beam + NoiseBlock	.019
			DNN	.008
			Beam + DNN	-.049
		Beam + DNN	No Processing	.164
			Beam	.134
			Beam + NoiseBlock	.120
			DNN	.109
			NoiseBlock	.154
	1 mm	No Processing	Beam	.051
			Beam + NoiseBlock	.042
			DNN	.021
			NoiseBlock	.067
			Beam + DNN	-.030

Pairwise Comparisons^a

SNR	Venting	(I) Program	(J) Program	Mean Difference (I-J)	Std. Error	df
		Beam	No Processing	.023	.025	1077.068
			Beam + NoiseBlock	-.009	.025	1077.068
			DNN	-.030	.025	1077.068
			NoiseBlock	.016	.025	1077.068
			Beam + DNN	-.082 [*]	.025	1077.068
		Beam + NoiseBlock	No Processing	.032	.025	1077.068
			Beam	.009	.025	1077.068
			DNN	-.022	.025	1077.068
			NoiseBlock	.025	.025	1077.068
			Beam + DNN	-.073	.025	1077.068
		DNN	No Processing	.053	.025	1077.068
			Beam	.030	.025	1077.068
			Beam + NoiseBlock	.022	.025	1077.068
			NoiseBlock	.047	.025	1077.068
			Beam + DNN	-.051	.025	1077.068
		NoiseBlock	No Processing	.007	.025	1077.068
			Beam	-.016	.025	1077.068
			Beam + NoiseBlock	-.025	.025	1077.068
			DNN	-.047	.025	1077.068
			Beam + DNN	-.098 [*]	.025	1077.068
		Beam + DNN	No Processing	.105 [*]	.025	1077.068
			Beam	.082 [*]	.025	1077.068
			Beam + NoiseBlock	.073	.025	1077.068
			DNN	.051	.025	1077.068
			NoiseBlock	.098 [*]	.025	1077.068
	Vented Dome	No Processing	Beam	-.004	.036	1077.068
			Beam + NoiseBlock	-.002	.036	1077.068
			DNN	-.004	.036	1077.068
			NoiseBlock	.001	.036	1077.068
			Beam + DNN	-.013	.036	1077.068
		Beam	No Processing	.004	.036	1077.068
			Beam + NoiseBlock	.001	.036	1077.068
			DNN	.000	.036	1077.068
			NoiseBlock	.005	.036	1077.068
			Beam + DNN	-.010	.036	1077.068
		Beam + NoiseBlock	No Processing	.002	.036	1077.068
			Beam	-.001	.036	1077.068

Pairwise Comparisons^a

SNR	Venting	(I) Program	(J) Program	Sig. ^c	95% Confidence Interval for ^c ...
					Lower Bound
		Beam	No Processing	1.000	-.051
			Beam + NoiseBlock	1.000	-.083
			DNN	1.000	-.105
			NoiseBlock	1.000	-.058
			Beam + DNN	.019	-.156
		Beam + NoiseBlock	No Processing	1.000	-.042
			Beam	1.000	-.065
			DNN	1.000	-.096
			NoiseBlock	1.000	-.049
			Beam + DNN	.058	-.147
		DNN	No Processing	.511	-.021
			Beam	1.000	-.044
			Beam + NoiseBlock	1.000	-.052
			NoiseBlock	.975	-.028
			Beam + DNN	.638	-.125
		NoiseBlock	No Processing	1.000	-.067
			Beam	1.000	-.090
			Beam + NoiseBlock	1.000	-.099
			DNN	.975	-.121
			Beam + DNN	.002	-.172
		Beam + DNN	No Processing	<.001	.030
			Beam	.019	.007
			Beam + NoiseBlock	.058	-.001
			DNN	.638	-.023
			NoiseBlock	.002	.024
	Vented Dome	No Processing	Beam	1.000	-.108
			Beam + NoiseBlock	1.000	-.107
			DNN	1.000	-.109
			NoiseBlock	1.000	-.103
			Beam + DNN	1.000	-.118
		Beam	No Processing	1.000	-.101
			Beam + NoiseBlock	1.000	-.103
			DNN	1.000	-.105
			NoiseBlock	1.000	-.100
			Beam + DNN	1.000	-.115
		Beam + NoiseBlock	No Processing	1.000	-.102
			Beam	1.000	-.106

Pairwise Comparisons^a

				95% Confidence Interval for \bar{c}_{ij}
SNR	Venting	(I) Program	(J) Program	Upper Bound
		Beam	No Processing	.097
			Beam + NoiseBlock	.065
			DNN	.044
			NoiseBlock	.090
			Beam + DNN	-.007
		Beam + NoiseBlock	No Processing	.106
			Beam	.083
			DNN	.052
			NoiseBlock	.099
			Beam + DNN	.001
		DNN	No Processing	.128
			Beam	.105
			Beam + NoiseBlock	.096
			NoiseBlock	.121
			Beam + DNN	.023
		NoiseBlock	No Processing	.081
			Beam	.058
			Beam + NoiseBlock	.049
			DNN	.028
			Beam + DNN	-.024
		Beam + DNN	No Processing	.179
			Beam	.156
			Beam + NoiseBlock	.147
			DNN	.125
			NoiseBlock	.172
	Vented Dome	No Processing	Beam	.101
			Beam + NoiseBlock	.102
			DNN	.101
			NoiseBlock	.106
			Beam + DNN	.091
		Beam	No Processing	.108
			Beam + NoiseBlock	.106
			DNN	.105
			NoiseBlock	.110
			Beam + DNN	.095
		Beam + NoiseBlock	No Processing	.107
			Beam	.103

Pairwise Comparisons^a

SNR	Venting	(I) Program	(J) Program	Mean Difference (I-J)	Std. Error	df
		DNN	DNN	-.001	.036	1077.068
			NoiseBlock	.004	.036	1077.068
			Beam + DNN	-.011	.036	1077.068
			No Processing	.004	.036	1077.068
			Beam	.000	.036	1077.068
			Beam + NoiseBlock	.001	.036	1077.068
			NoiseBlock	.005	.036	1077.068
			Beam + DNN	-.010	.036	1077.068
		NoiseBlock	No Processing	-.001	.036	1077.068
			Beam	-.005	.036	1077.068
			Beam + NoiseBlock	-.004	.036	1077.068
			DNN	-.005	.036	1077.068
			Beam + DNN	-.015	.036	1077.068
		Beam + DNN	No Processing	.013	.036	1077.068
			Beam	.010	.036	1077.068
			Beam + NoiseBlock	.011	.036	1077.068
			DNN	.010	.036	1077.068
			NoiseBlock	.015	.036	1077.068
	Open Dome	No Processing	Beam	-.002	.036	1077.068
			Beam + NoiseBlock	-.002	.036	1077.068
			DNN	-.001	.036	1077.068
			NoiseBlock	.000	.036	1077.068
			Beam + DNN	-.002	.036	1077.068
		Beam	No Processing	.002	.036	1077.068
			Beam + NoiseBlock	.000	.036	1077.068
			DNN	.001	.036	1077.068
			NoiseBlock	.002	.036	1077.068
			Beam + DNN	.000	.036	1077.068
		Beam + NoiseBlock	No Processing	.002	.036	1077.068
			Beam	.000	.036	1077.068
			DNN	.001	.036	1077.068
			NoiseBlock	.002	.036	1077.068
			Beam + DNN	-.001	.036	1077.068
		DNN	No Processing	.001	.036	1077.068
			Beam	-.001	.036	1077.068

Pairwise Comparisons^a

SNR	Venting	(I) Program	(J) Program	Sig. ^c	95% Confidence Interval for ^c ...
					Lower Bound
		DNN	DNN	1.000	-.106
			NoiseBlock	1.000	-.101
			Beam + DNN	1.000	-.116
			No Processing	1.000	-.101
			Beam	1.000	-.105
			Beam + NoiseBlock	1.000	-.103
			NoiseBlock	1.000	-.100
			Beam + DNN	1.000	-.114
		NoiseBlock	No Processing	1.000	-.106
			Beam	1.000	-.110
			Beam + NoiseBlock	1.000	-.108
			DNN	1.000	-.110
			Beam + DNN	1.000	-.120
		Beam + DNN	No Processing	1.000	-.091
			Beam	1.000	-.095
			Beam + NoiseBlock	1.000	-.094
			DNN	1.000	-.095
			NoiseBlock	1.000	-.090
	Open Dome	No Processing	Beam	1.000	-.107
			Beam + NoiseBlock	1.000	-.106
			DNN	1.000	-.106
			NoiseBlock	1.000	-.104
			Beam + DNN	1.000	-.107
		Beam	No Processing	1.000	-.103
			Beam + NoiseBlock	1.000	-.104
			DNN	1.000	-.104
			NoiseBlock	1.000	-.102
			Beam + DNN	1.000	-.105
		Beam + NoiseBlock	No Processing	1.000	-.103
			Beam	1.000	-.105
			DNN	1.000	-.104
			NoiseBlock	1.000	-.103
			Beam + DNN	1.000	-.105
		DNN	No Processing	1.000	-.104
			Beam	1.000	-.106

Pairwise Comparisons^a

				95% Confidence Interval for \bar{c}_{ij}
SNR	Venting	(I) Program	(J) Program	Upper Bound
		DNN	DNN	.103
			NoiseBlock	.108
			Beam + DNN	.094
			No Processing	.109
			Beam	.105
			Beam + NoiseBlock	.106
			NoiseBlock	.110
			Beam + DNN	.095
		NoiseBlock	No Processing	.103
			Beam	.100
			Beam + NoiseBlock	.101
			DNN	.100
			Beam + DNN	.090
		Beam + DNN	No Processing	.118
			Beam	.115
			Beam + NoiseBlock	.116
			DNN	.114
			NoiseBlock	.120
	Open Dome	No Processing	Beam	.103
			Beam + NoiseBlock	.103
			DNN	.104
			NoiseBlock	.105
			Beam + DNN	.102
		Beam	No Processing	.107
			Beam + NoiseBlock	.105
			DNN	.106
			NoiseBlock	.107
			Beam + DNN	.104
		Beam + NoiseBlock	No Processing	.106
			Beam	.104
			DNN	.106
			NoiseBlock	.107
			Beam + DNN	.104
		DNN	No Processing	.106
			Beam	.104

Pairwise Comparisons^a

SNR	Venting	(I) Program	(J) Program	Mean Difference (I-J)	Std. Error	df			
			Beam + NoiseBlock	-.001	.036	1077.068			
			NoiseBlock	.001	.036	1077.068			
			Beam + DNN	-.002	.036	1077.068			
			NoiseBlock	No Processing	.000	.036	1077.068		
			Beam	-.002	.036	1077.068			
			Beam + NoiseBlock	-.002	.036	1077.068			
			DNN	-.001	.036	1077.068			
			Beam + DNN	-.003	.036	1077.068			
			NoiseBlock	No Processing	.002	.036	1077.068		
			Beam	.000	.036	1077.068			
			Beam + NoiseBlock	.001	.036	1077.068			
			DNN	.002	.036	1077.068			
			NoiseBlock	.003	.036	1077.068			
			0	Occluded	No Processing	Beam	-.043	.018	1077.068
						Beam + NoiseBlock	-.066*	.018	1077.068
			DNN	-.089*	.018	1077.068			
			NoiseBlock	-.019	.018	1077.068			
			Beam + DNN	-.176*	.018	1077.068			
		Beam	No Processing	.043	.018	1077.068			
			Beam + NoiseBlock	-.023	.018	1077.068			
			DNN	-.045	.018	1077.068			
			NoiseBlock	.024	.018	1077.068			
			Beam + DNN	-.132*	.018	1077.068			
		Beam + NoiseBlock	No Processing	.066*	.018	1077.068			
			Beam	.023	.018	1077.068			
			DNN	-.022	.018	1077.068			
			NoiseBlock	.048	.018	1077.068			
			Beam + DNN	-.109*	.018	1077.068			
		DNN	No Processing	.089*	.018	1077.068			
			Beam	.045	.018	1077.068			
			Beam + NoiseBlock	.022	.018	1077.068			
			NoiseBlock	.070*	.018	1077.068			
			Beam + DNN	-.087*	.018	1077.068			
		NoiseBlock	No Processing	.019	.018	1077.068			
			Beam	-.024	.018	1077.068			
			Beam + NoiseBlock	-.048	.018	1077.068			

Pairwise Comparisons^a

SNR	Venting	(I) Program	(J) Program	Sig. ^c	95% Confidence Interval for ^c ...
					Lower Bound
0	Occluded	No Processing	Beam + NoiseBlock	1.000	-.106
			NoiseBlock	1.000	-.103
			Beam + DNN	1.000	-.106
			NoiseBlock	1.000	-.105
			No Processing		
			Beam		
			Beam + NoiseBlock	1.000	-.107
			DNN	1.000	-.106
			Beam + DNN	1.000	-.108
		Beam + DNN	No Processing	1.000	-.102
			Beam	1.000	-.104
			Beam + NoiseBlock	1.000	-.104
			DNN	1.000	-.103
			NoiseBlock	1.000	-.102
		No Processing	Beam	.226	-.096
			Beam + NoiseBlock	.003	-.119
			DNN	<.001	-.141
			NoiseBlock	1.000	-.071
			Beam + DNN	<.001	-.228
		Beam	No Processing	.226	-.009
			Beam + NoiseBlock	1.000	-.075
			DNN	.162	-.098
			NoiseBlock	1.000	-.028
			Beam + DNN	<.001	-.185
		Beam + NoiseBlock	No Processing	.003	.014
			Beam	1.000	-.029
			DNN	1.000	-.075
			NoiseBlock	.114	-.005
			Beam + DNN	<.001	-.162
		DNN	No Processing	<.001	.036
			Beam	.162	-.007
			Beam + NoiseBlock	1.000	-.030
			NoiseBlock	.001	.018
			Beam + DNN	<.001	-.139
		NoiseBlock	No Processing	1.000	-.034
			Beam	1.000	-.077
			Beam + NoiseBlock	.114	-.100

Pairwise Comparisons^a

				95% Confidence Interval for \bar{c}_{ij}
SNR	Venting	(I) Program	(J) Program	Upper Bound
0	Occluded	No Processing	Beam + NoiseBlock	.104
			NoiseBlock	.106
			Beam + DNN	.103
		NoiseBlock	No Processing	.104
			Beam	.102
			Beam + NoiseBlock	.103
			DNN	.103
			Beam + DNN	.102
		Beam + DNN	No Processing	.107
			Beam	.105
			Beam + NoiseBlock	.105
			DNN	.106
			NoiseBlock	.108
		No Processing	Beam	.009
			Beam + NoiseBlock	-.014
			DNN	-.036
			NoiseBlock	.034
			Beam + DNN	-.123
		Beam	No Processing	.096
			Beam + NoiseBlock	.029
			DNN	.007
			NoiseBlock	.077
			Beam + DNN	-.080
		Beam + NoiseBlock	No Processing	.119
			Beam	.075
			DNN	.030
			NoiseBlock	.100
			Beam + DNN	-.057
		DNN	No Processing	.141
			Beam	.098
			Beam + NoiseBlock	.075
			NoiseBlock	.122
			Beam + DNN	-.035
		NoiseBlock	No Processing	.071
			Beam	.028
			Beam + NoiseBlock	.005

Pairwise Comparisons^a

SNR	Venting	(I) Program	(J) Program	Mean Difference (I-J)	Std. Error	df
		Beam + DNN	DNN	-.070 [*]	.018	1077.068
			Beam + DNN	-.157 [*]	.018	1077.068
			No Processing	.176 [*]	.018	1077.068
			Beam	.132 [*]	.018	1077.068
			Beam + NoiseBlock	.109 [*]	.018	1077.068
			DNN	.087 [*]	.018	1077.068
			NoiseBlock	.157 [*]	.018	1077.068
		No Processing	Beam	-.025	.025	1077.068
			Beam + NoiseBlock	-.043	.025	1077.068
			DNN	-.082 [*]	.025	1077.068
			NoiseBlock	-.014	.025	1077.068
			Beam + DNN	-.162 [*]	.025	1077.068
		Beam	No Processing	.025	.025	1077.068
			Beam + NoiseBlock	-.018	.025	1077.068
			DNN	-.057	.025	1077.068
			NoiseBlock	.012	.025	1077.068
			Beam + DNN	-.137 [*]	.025	1077.068
	1 mm	Beam + NoiseBlock	No Processing	.043	.025	1077.068
			Beam	.018	.025	1077.068
			DNN	-.039	.025	1077.068
			NoiseBlock	.030	.025	1077.068
			Beam + DNN	-.119 [*]	.025	1077.068
		DNN	No Processing	.082 [*]	.025	1077.068
			Beam	.057	.025	1077.068
			Beam + NoiseBlock	.039	.025	1077.068
			NoiseBlock	.069	.025	1077.068
			Beam + DNN	-.080 [*]	.025	1077.068
		NoiseBlock	No Processing	.014	.025	1077.068
			Beam	-.012	.025	1077.068
			Beam + NoiseBlock	-.030	.025	1077.068
			DNN	-.069	.025	1077.068
			Beam + DNN	-.149 [*]	.025	1077.068
		Beam + DNN	No Processing	.162 [*]	.025	1077.068
			Beam	.137 [*]	.025	1077.068

Pairwise Comparisons^a

SNR	Venting	(I) Program	(J) Program	Sig. ^c	95% Confidence Interval for ^c ...
					Lower Bound
1 mm		Beam + DNN	DNN	.001	-.122
			Beam + DNN	<.001	-.209
			No Processing	<.001	.123
			Beam	<.001	.080
			Beam + NoiseBlock	<.001	.057
			DNN	<.001	.035
			NoiseBlock	<.001	.105
		No Processing	Beam	1.000	-.099
			Beam + NoiseBlock	1.000	-.118
			DNN	.016	-.157
			NoiseBlock	1.000	-.088
			Beam + DNN	<.001	-.236
		Beam	No Processing	1.000	-.049
			Beam + NoiseBlock	1.000	-.092
			DNN	.346	-.131
			NoiseBlock	1.000	-.062
			Beam + DNN	<.001	-.211
		Beam + NoiseBlock	No Processing	1.000	-.031
			Beam	1.000	-.056
			DNN	1.000	-.113
			NoiseBlock	1.000	-.044
			Beam + DNN	<.001	-.193
		DNN	No Processing	.016	.008
			Beam	.346	-.017
			Beam + NoiseBlock	1.000	-.035
			NoiseBlock	.094	-.005
			Beam + DNN	.024	-.154
		NoiseBlock	No Processing	1.000	-.061
			Beam	1.000	-.086
			Beam + NoiseBlock	1.000	-.104
			DNN	.094	-.143
			Beam + DNN	<.001	-.223
		Beam + DNN	No Processing	<.001	.088
			Beam	<.001	.063

Pairwise Comparisons^a

				95% Confidence Interval for \bar{c}_{ij}
SNR	Venting	(I) Program	(J) Program	Upper Bound
	1 mm	Beam + DNN	DNN	-.018
			Beam + DNN	-.105
			No Processing	.228
			Beam	.185
			Beam + NoiseBlock	.162
			DNN	.139
			NoiseBlock	.209
		No Processing	Beam	.049
			Beam + NoiseBlock	.031
			DNN	-.008
			NoiseBlock	.061
			Beam + DNN	-.088
		Beam	No Processing	.099
			Beam + NoiseBlock	.056
			DNN	.017
			NoiseBlock	.086
			Beam + DNN	-.063
		Beam + NoiseBlock	No Processing	.118
			Beam	.092
			DNN	.035
			NoiseBlock	.104
			Beam + DNN	-.045
		DNN	No Processing	.157
			Beam	.131
			Beam + NoiseBlock	.113
			NoiseBlock	.143
			Beam + DNN	-.006
		NoiseBlock	No Processing	.088
			Beam	.062
			Beam + NoiseBlock	.044
			DNN	.005
			Beam + DNN	-.075
		Beam + DNN	No Processing	.236
			Beam	.211

Pairwise Comparisons^a

SNR	Venting	(I) Program	(J) Program	Mean Difference (I-J)	Std. Error	df
	Vented Dome	No Processing	Beam + NoiseBlock	.119*	.025	1077.068
			DNN	.080*	.025	1077.068
			NoiseBlock	.149*	.025	1077.068
		Beam	Beam	-.005	.036	1077.068
			Beam + NoiseBlock	-.003	.036	1077.068
			DNN	.001	.036	1077.068
			NoiseBlock	.003	.036	1077.068
			Beam + DNN	-.019	.036	1077.068
		Beam + NoiseBlock	No Processing	.005	.036	1077.068
			Beam + NoiseBlock	.002	.036	1077.068
			DNN	.006	.036	1077.068
			NoiseBlock	.008	.036	1077.068
			Beam + DNN	-.014	.036	1077.068
		DNN	No Processing	.003	.036	1077.068
			Beam	-.002	.036	1077.068
			DNN	.004	.036	1077.068
			NoiseBlock	.006	.036	1077.068
			Beam + DNN	-.016	.036	1077.068
		NoiseBlock	No Processing	-.001	.036	1077.068
			Beam	-.006	.036	1077.068
			Beam + NoiseBlock	-.004	.036	1077.068
			NoiseBlock	.002	.036	1077.068
			Beam + DNN	-.019	.036	1077.068
		Beam + DNN	No Processing	-.003	.036	1077.068
			Beam	-.008	.036	1077.068
			Beam + NoiseBlock	-.006	.036	1077.068
			DNN	-.002	.036	1077.068
			Beam + DNN	-.022	.036	1077.068
	Open Dome	No Processing	Beam	-.002	.036	1077.068
			Beam + NoiseBlock	-.002	.036	1077.068

Pairwise Comparisons^a

SNR	Venting	(I) Program	(J) Program	Sig. ^c	95% Confidence Interval for ^c ...
					Lower Bound
	Vented Dome	No Processing	Beam + NoiseBlock	<.001	.045
			DNN	.024	.006
			NoiseBlock	<.001	.075
		Beam	Beam	1.000	-.110
			Beam + NoiseBlock	1.000	-.108
			DNN	1.000	-.104
			NoiseBlock	1.000	-.102
			Beam + DNN	1.000	-.123
		Beam + NoiseBlock	No Processing	1.000	-.100
			Beam + NoiseBlock	1.000	-.103
			DNN	1.000	-.099
			NoiseBlock	1.000	-.097
			Beam + DNN	1.000	-.119
		DNN	No Processing	1.000	-.102
			Beam	1.000	-.107
			DNN	1.000	-.101
			NoiseBlock	1.000	-.099
			Beam + DNN	1.000	-.120
		NoiseBlock	No Processing	1.000	-.106
			Beam	1.000	-.110
			Beam + NoiseBlock	1.000	-.109
			NoiseBlock	1.000	-.103
			Beam + DNN	1.000	-.124
		Beam + DNN	No Processing	1.000	-.108
			Beam	1.000	-.113
			Beam + NoiseBlock	1.000	-.111
			DNN	1.000	-.107
			Beam + DNN	1.000	-.126
	Open Dome	No Processing	Beam	1.000	-.107
			Beam + NoiseBlock	1.000	-.106

Pairwise Comparisons^a

				95% Confidence Interval for ^c ...
SNR	Venting	(I) Program	(J) Program	Upper Bound
	Vented Dome	No Processing	Beam + NoiseBlock	.193
			DNN	.154
			NoiseBlock	.223
		Beam	Beam	.100
			Beam + NoiseBlock	.102
			DNN	.106
			NoiseBlock	.108
			Beam + DNN	.086
		Beam + NoiseBlock	No Processing	.110
			Beam + NoiseBlock	.107
			DNN	.110
			NoiseBlock	.113
			Beam + DNN	.091
		DNN	No Processing	.108
			Beam	.103
			DNN	.109
			NoiseBlock	.111
			Beam + DNN	.089
		NoiseBlock	No Processing	.104
			Beam	.099
			Beam + NoiseBlock	.101
			NoiseBlock	.107
			Beam + DNN	.085
		Beam + DNN	No Processing	.102
			Beam	.097
			Beam + NoiseBlock	.099
			DNN	.103
			Beam + DNN	.083
		Open Dome	No Processing	.123
			Beam	.119
			Beam + NoiseBlock	.120
			DNN	.124
			NoiseBlock	.126
		No Processing	Beam	.102
			Beam + NoiseBlock	.103

Pairwise Comparisons^a

SNR	Venting	(I) Program	(J) Program	Mean Difference (I-J)	Std. Error	df
		Beam	DNN	.004	.036	1077.068
			NoiseBlock	.003	.036	1077.068
			Beam + DNN	.001	.036	1077.068
			No Processing	.002	.036	1077.068
			Beam + NoiseBlock	.001	.036	1077.068
			DNN	.006	.036	1077.068
		Beam + NoiseBlock	NoiseBlock	.005	.036	1077.068
			Beam + DNN	.004	.036	1077.068
			No Processing	.002	.036	1077.068
			Beam	-.001	.036	1077.068
			DNN	.005	.036	1077.068
			NoiseBlock	.004	.036	1077.068
		DNN	Beam + DNN	.003	.036	1077.068
			No Processing	-.004	.036	1077.068
			Beam	-.006	.036	1077.068
			Beam + NoiseBlock	-.005	.036	1077.068
			NoiseBlock	-.001	.036	1077.068
			Beam + DNN	-.003	.036	1077.068
		NoiseBlock	No Processing	-.003	.036	1077.068
			Beam	-.005	.036	1077.068
			Beam + NoiseBlock	-.004	.036	1077.068
			DNN	.001	.036	1077.068
			Beam + DNN	-.001	.036	1077.068
		Beam + DNN	No Processing	-.001	.036	1077.068
			Beam	-.004	.036	1077.068
			Beam + NoiseBlock	-.003	.036	1077.068
			DNN	.003	.036	1077.068
			NoiseBlock	.001	.036	1077.068
5	Occluded	No Processing	Beam	-.040	.018	1077.068
			Beam + NoiseBlock	-.066 [*]	.018	1077.068
			DNN	-.109 [*]	.018	1077.068
			NoiseBlock	-.023	.018	1077.068
			Beam + DNN	-.186 [*]	.018	1077.068
		Beam	No Processing	.040	.018	1077.068
			Beam + NoiseBlock	-.026	.018	1077.068

Pairwise Comparisons^a

SNR	Venting	(I) Program	(J) Program	Sig. ^c	95% Confidence Interval for ^c ...
					Lower Bound
		Beam	DNN	1.000	-.101
			NoiseBlock	1.000	-.102
			Beam + DNN	1.000	-.104
			No Processing	1.000	-.102
			Beam + NoiseBlock	1.000	-.104
			DNN	1.000	-.099
		Beam + NoiseBlock	NoiseBlock	1.000	-.100
			Beam + DNN	1.000	-.101
			No Processing	1.000	-.103
			Beam	1.000	-.106
			DNN	1.000	-.100
			NoiseBlock	1.000	-.101
		DNN	Beam + DNN	1.000	-.102
			No Processing	1.000	-.108
			Beam	1.000	-.111
			Beam + NoiseBlock	1.000	-.110
			NoiseBlock	1.000	-.106
			Beam + DNN	1.000	-.107
		NoiseBlock	No Processing	1.000	-.107
			Beam	1.000	-.110
			Beam + NoiseBlock	1.000	-.109
			DNN	1.000	-.104
			Beam + DNN	1.000	-.106
		Beam + DNN	No Processing	1.000	-.106
			Beam	1.000	-.108
			Beam + NoiseBlock	1.000	-.107
			DNN	1.000	-.102
			NoiseBlock	1.000	-.103
5	Occluded	No Processing	Beam	.369	-.092
			Beam + NoiseBlock	.003	-.118
			DNN	<.001	-.161
			NoiseBlock	1.000	-.076
			Beam + DNN	<.001	-.239
		Beam	No Processing	.369	-.012
			Beam + NoiseBlock	1.000	-.078

Pairwise Comparisons^a

				95% Confidence Interval for \hat{c}_{ij}
SNR	Venting	(I) Program	(J) Program	Upper Bound
		Beam	DNN	.108
			NoiseBlock	.107
			Beam + DNN	.106
			No Processing	.107
			Beam + NoiseBlock	.106
			DNN	.111
		Beam + NoiseBlock	NoiseBlock	.110
			Beam + DNN	.108
			No Processing	.106
			Beam	.104
			DNN	.110
			NoiseBlock	.109
		DNN	Beam + DNN	.107
			No Processing	.101
			Beam	.099
			Beam + NoiseBlock	.100
			NoiseBlock	.104
			Beam + DNN	.102
		NoiseBlock	No Processing	.102
			Beam	.100
			Beam + NoiseBlock	.101
			DNN	.106
			Beam + DNN	.103
			Beam + DNN	No Processing
Beam	.101			
Beam + NoiseBlock	.102			
DNN	.107			
NoiseBlock	.106			
5	Occluded	No Processing		Beam
			Beam + NoiseBlock	-.014
			DNN	-.056
			NoiseBlock	.029
			Beam + DNN	-.134
		Beam	No Processing	.092
			Beam + NoiseBlock	.026

Pairwise Comparisons^a

SNR	Venting	(I) Program	(J) Program	Mean Difference (I-J)	Std. Error	df	
		Beam + NoiseBlock	DNN	-.069 [*]	.018	1077.068	
			NoiseBlock	.017	.018	1077.068	
			Beam + DNN	-.146 [*]	.018	1077.068	
			No Processing	.066 [*]	.018	1077.068	
			Beam	.026	.018	1077.068	
			DNN	-.043	.018	1077.068	
		DNN	NoiseBlock	.043	.018	1077.068	
			Beam + DNN	-.120 [*]	.018	1077.068	
			No Processing	.109 [*]	.018	1077.068	
			Beam	.069 [*]	.018	1077.068	
			Beam + NoiseBlock	.043	.018	1077.068	
			NoiseBlock	.086 [*]	.018	1077.068	
		NoiseBlock	Beam + DNN	-.078 [*]	.018	1077.068	
			No Processing	.023	.018	1077.068	
			Beam	-.017	.018	1077.068	
			Beam + NoiseBlock	-.043	.018	1077.068	
			DNN	-.086 [*]	.018	1077.068	
			Beam + DNN	-.163 [*]	.018	1077.068	
		Beam + DNN	No Processing	.186 [*]	.018	1077.068	
			Beam	.146 [*]	.018	1077.068	
			Beam + NoiseBlock	.120 [*]	.018	1077.068	
			DNN	.078 [*]	.018	1077.068	
			NoiseBlock	.163 [*]	.018	1077.068	
			1 mm	No Processing	Beam	-.009	.025
		Beam + NoiseBlock			-.031	.025	1077.068
		DNN			-.092 [*]	.025	1077.068
		NoiseBlock			-.016	.025	1077.068
		Beam + DNN			-.155 [*]	.025	1077.068
		Beam		No Processing	.009	.025	1077.068
				Beam + NoiseBlock	-.022	.025	1077.068
				DNN	-.084 [*]	.025	1077.068
				NoiseBlock	-.007	.025	1077.068
				Beam + DNN	-.147 [*]	.025	1077.068
		Beam + NoiseBlock		No Processing	.031	.025	1077.068
				Beam	.022	.025	1077.068

Pairwise Comparisons^a

SNR	Venting	(I) Program	(J) Program	Sig. ^c	95% Confidence Interval for ^c ...
					Lower Bound
		Beam + NoiseBlock	DNN	.002	-.121
			NoiseBlock	1.000	-.036
			Beam + DNN	<.001	-.199
			No Processing	.003	.014
			Beam	1.000	-.026
			DNN	.244	-.095
			NoiseBlock	.250	-.010
			Beam + DNN	<.001	-.173
		DNN	No Processing	<.001	.056
			Beam	.002	.016
			Beam + NoiseBlock	.244	-.010
			NoiseBlock	<.001	.033
			Beam + DNN	<.001	-.130
		NoiseBlock	No Processing	1.000	-.029
			Beam	1.000	-.069
			Beam + NoiseBlock	.250	-.095
			DNN	<.001	-.138
			Beam + DNN	<.001	-.215
		Beam + DNN	No Processing	<.001	.134
			Beam	<.001	.094
			Beam + NoiseBlock	<.001	.068
			DNN	<.001	.025
			NoiseBlock	<.001	.111
	1 mm	No Processing	Beam	1.000	-.083
			Beam + NoiseBlock	1.000	-.105
			DNN	.004	-.166
			NoiseBlock	1.000	-.090
			Beam + DNN	<.001	-.230
		Beam	No Processing	1.000	-.066
			Beam + NoiseBlock	1.000	-.096
			DNN	.014	-.158
			NoiseBlock	1.000	-.081
			Beam + DNN	<.001	-.221
		Beam + NoiseBlock	No Processing	1.000	-.043
			Beam	1.000	-.052

Pairwise Comparisons^a

				95% Confidence Interval for \bar{c}_{ij}
SNR	Venting	(I) Program	(J) Program	Upper Bound
			DNN	-.016
			NoiseBlock	.069
			Beam + DNN	-.094
		Beam + NoiseBlock	No Processing	.118
			Beam	.078
			DNN	.010
			NoiseBlock	.095
			Beam + DNN	-.068
		DNN	No Processing	.161
			Beam	.121
			Beam + NoiseBlock	.095
			NoiseBlock	.138
			Beam + DNN	-.025
		NoiseBlock	No Processing	.076
			Beam	.036
			Beam + NoiseBlock	.010
			DNN	-.033
			Beam + DNN	-.111
		Beam + DNN	No Processing	.239
			Beam	.199
			Beam + NoiseBlock	.173
			DNN	.130
			NoiseBlock	.215
	1 mm	No Processing	Beam	.066
			Beam + NoiseBlock	.043
			DNN	-.018
			NoiseBlock	.059
			Beam + DNN	-.081
		Beam	No Processing	.083
			Beam + NoiseBlock	.052
			DNN	-.009
			NoiseBlock	.067
			Beam + DNN	-.073
		Beam + NoiseBlock	No Processing	.105
			Beam	.096

Pairwise Comparisons^a

SNR	Venting	(I) Program	(J) Program	Mean Difference (I-J)	Std. Error	df
		DNN	DNN	-.061	.025	1077.068
			NoiseBlock	.015	.025	1077.068
			Beam + DNN	-.125*	.025	1077.068
			No Processing	.092*	.025	1077.068
			Beam	.084*	.025	1077.068
			Beam + NoiseBlock	.061	.025	1077.068
			NoiseBlock	.077*	.025	1077.068
			Beam + DNN	-.063	.025	1077.068
		NoiseBlock	No Processing	.016	.025	1077.068
			Beam	.007	.025	1077.068
			Beam + NoiseBlock	-.015	.025	1077.068
			DNN	-.077*	.025	1077.068
			Beam + DNN	-.140*	.025	1077.068
		Beam + DNN	No Processing	.155*	.025	1077.068
			Beam	.147*	.025	1077.068
			Beam + NoiseBlock	.125*	.025	1077.068
			DNN	.063	.025	1077.068
			NoiseBlock	.140*	.025	1077.068
	Vented Dome	No Processing	Beam	.000	.036	1077.068
			Beam + NoiseBlock	.003	.036	1077.068
			DNN	.009	.036	1077.068
			NoiseBlock	.005	.036	1077.068
			Beam + DNN	-.014	.036	1077.068
		Beam	No Processing	.000	.036	1077.068
			Beam + NoiseBlock	.003	.036	1077.068
			DNN	.008	.036	1077.068
			NoiseBlock	.005	.036	1077.068
			Beam + DNN	-.015	.036	1077.068
		Beam + NoiseBlock	No Processing	-.003	.036	1077.068
			Beam	-.003	.036	1077.068
			DNN	.006	.036	1077.068
			NoiseBlock	.002	.036	1077.068
			Beam + DNN	-.017	.036	1077.068
		DNN	No Processing	-.009	.036	1077.068
			Beam	-.008	.036	1077.068
			Beam + NoiseBlock	-.006	.036	1077.068

Pairwise Comparisons^a

SNR	Venting	(I) Program	(J) Program	Sig. ^c	95% Confidence Interval for ^c ...
					Lower Bound
			DNN	.225	-.135
			NoiseBlock	1.000	-.059
			Beam + DNN	<.001	-.199
		DNN	No Processing	.004	.018
			Beam	.014	.009
			Beam + NoiseBlock	.225	-.013
			NoiseBlock	.037	.002
			Beam + DNN	.180	-.137
		NoiseBlock	No Processing	1.000	-.059
			Beam	1.000	-.067
			Beam + NoiseBlock	1.000	-.089
			DNN	.037	-.151
			Beam + DNN	<.001	-.214
		Beam + DNN	No Processing	<.001	.081
			Beam	<.001	.073
			Beam + NoiseBlock	<.001	.051
			DNN	.180	-.011
			NoiseBlock	<.001	.066
	Vented Dome	No Processing	Beam	1.000	-.105
			Beam + NoiseBlock	1.000	-.102
			DNN	1.000	-.096
			NoiseBlock	1.000	-.099
			Beam + DNN	1.000	-.119
		Beam	No Processing	1.000	-.105
			Beam + NoiseBlock	1.000	-.102
			DNN	1.000	-.096
			NoiseBlock	1.000	-.100
			Beam + DNN	1.000	-.119
		Beam + NoiseBlock	No Processing	1.000	-.108
			Beam	1.000	-.108
			DNN	1.000	-.099
			NoiseBlock	1.000	-.102
			Beam + DNN	1.000	-.122
		DNN	No Processing	1.000	-.113
			Beam	1.000	-.113
			Beam + NoiseBlock	1.000	-.110

Pairwise Comparisons^a

				95% Confidence Interval for \bar{c}_{ij}	
SNR	Venting	(I) Program	(J) Program	Upper Bound	
			DNN	.013	
			NoiseBlock	.089	
			Beam + DNN	-.051	
			DNN	No Processing	.166
				Beam	.158
				Beam + NoiseBlock	.135
				NoiseBlock	.151
				Beam + DNN	.011
			NoiseBlock	No Processing	.090
				Beam	.081
				Beam + NoiseBlock	.059
				DNN	-.002
				Beam + DNN	-.066
			Beam + DNN	No Processing	.230
				Beam	.221
				Beam + NoiseBlock	.199
				DNN	.137
				NoiseBlock	.214
	Vented Dome	No Processing	Beam	.105	
			Beam + NoiseBlock	.108	
			DNN	.113	
			NoiseBlock	.110	
			Beam + DNN	.090	
		Beam	No Processing	.105	
			Beam + NoiseBlock	.108	
			DNN	.113	
			NoiseBlock	.110	
			Beam + DNN	.090	
		Beam + NoiseBlock	No Processing	.102	
			Beam	.102	
			DNN	.110	
			NoiseBlock	.107	
			Beam + DNN	.087	
		DNN	No Processing	.096	
			Beam	.096	
			Beam + NoiseBlock	.099	

Pairwise Comparisons^a

SNR	Venting	(I) Program	(J) Program	Mean Difference (I-J)	Std. Error	df
		NoiseBlock	NoiseBlock	-.003	.036	1077.068
			Beam + DNN	-.023	.036	1077.068
			No Processing	-.005	.036	1077.068
			Beam	-.005	.036	1077.068
			Beam + NoiseBlock	-.002	.036	1077.068
			DNN	.003	.036	1077.068
		Beam + DNN	Beam + DNN	-.020	.036	1077.068
			No Processing	.014	.036	1077.068
			Beam	.015	.036	1077.068
			Beam + NoiseBlock	.017	.036	1077.068
			DNN	.023	.036	1077.068
			NoiseBlock	.020	.036	1077.068
	Open Dome	No Processing	Beam	.000	.036	1077.068
			Beam + NoiseBlock	.001	.036	1077.068
			DNN	.012	.036	1077.068
			NoiseBlock	.002	.036	1077.068
			Beam + DNN	.009	.036	1077.068
		Beam	No Processing	.000	.036	1077.068
			Beam + NoiseBlock	.001	.036	1077.068
			DNN	.012	.036	1077.068
			NoiseBlock	.002	.036	1077.068
			Beam + DNN	.009	.036	1077.068
		Beam + NoiseBlock	No Processing	-.001	.036	1077.068
			Beam	-.001	.036	1077.068
			DNN	.011	.036	1077.068
			NoiseBlock	.001	.036	1077.068
			Beam + DNN	.008	.036	1077.068
		DNN	No Processing	-.012	.036	1077.068
			Beam	-.012	.036	1077.068
			Beam + NoiseBlock	-.011	.036	1077.068
			NoiseBlock	-.010	.036	1077.068
			Beam + DNN	-.003	.036	1077.068
		NoiseBlock	No Processing	-.002	.036	1077.068
			Beam	-.002	.036	1077.068
			Beam + NoiseBlock	-.001	.036	1077.068
			DNN	.010	.036	1077.068
			Beam + DNN	.007	.036	1077.068

Pairwise Comparisons^a

SNR	Venting	(I) Program	(J) Program	Sig. ^c	95% Confidence Interval for ^c ...
					Lower Bound
		NoiseBlock	NoiseBlock	1.000	-.108
			Beam + DNN	1.000	-.128
			No Processing	1.000	-.110
			Beam	1.000	-.110
			Beam + NoiseBlock	1.000	-.107
			DNN	1.000	-.102
			Beam + DNN	1.000	-.124
		Beam + DNN	No Processing	1.000	-.090
			Beam	1.000	-.090
			Beam + NoiseBlock	1.000	-.087
			DNN	1.000	-.082
			NoiseBlock	1.000	-.085
	Open Dome	No Processing	Beam	1.000	-.105
			Beam + NoiseBlock	1.000	-.104
			DNN	1.000	-.093
			NoiseBlock	1.000	-.103
		Beam	Beam + DNN	1.000	-.096
			No Processing	1.000	-.105
			Beam + NoiseBlock	1.000	-.104
			DNN	1.000	-.093
			NoiseBlock	1.000	-.103
		Beam + NoiseBlock	Beam + DNN	1.000	-.096
			No Processing	1.000	-.106
			Beam	1.000	-.106
			DNN	1.000	-.094
			NoiseBlock	1.000	-.104
		DNN	Beam + DNN	1.000	-.097
			No Processing	1.000	-.117
			Beam	1.000	-.117
			Beam + NoiseBlock	1.000	-.115
			NoiseBlock	1.000	-.115
		NoiseBlock	Beam + DNN	1.000	-.108
			No Processing	1.000	-.107
			Beam	1.000	-.107
			Beam + NoiseBlock	1.000	-.106
			DNN	1.000	-.095
			Beam + DNN	1.000	-.098

Pairwise Comparisons^a

				95% Confidence Interval for \bar{c}_{ij}
SNR	Venting	(I) Program	(J) Program	Upper Bound
	Closed Dome	NoiseBlock	NoiseBlock	.102
			Beam + DNN	.082
			No Processing	.099
			Beam	.100
			Beam + NoiseBlock	.102
			DNN	.108
		Beam + DNN	Beam + DNN	.085
			No Processing	.119
			Beam	.119
			Beam + NoiseBlock	.122
			DNN	.128
			NoiseBlock	.124
	Open Dome	No Processing	Beam	.105
			Beam + NoiseBlock	.106
			DNN	.117
			NoiseBlock	.107
		Beam	Beam + DNN	.114
			No Processing	.105
			Beam + NoiseBlock	.106
			DNN	.117
		Beam + NoiseBlock	NoiseBlock	.107
			Beam + DNN	.114
			No Processing	.104
			Beam	.104
		DNN	DNN	.115
			NoiseBlock	.106
			Beam + DNN	.113
			No Processing	.093
		NoiseBlock	Beam	.093
			Beam + NoiseBlock	.094
			NoiseBlock	.095
			Beam + DNN	.102
			No Processing	.103
			Beam	.103
			Beam + NoiseBlock	.104
			DNN	.115
			Beam + DNN	.112

Pairwise Comparisons^a

SNR	Venting	(I) Program	(J) Program	Mean Difference (I-J)	Std. Error	df
		Beam + DNN	No Processing	-.009	.036	1077.068
			Beam	-.009	.036	1077.068
			Beam + NoiseBlock	-.008	.036	1077.068
			DNN	.003	.036	1077.068
			NoiseBlock	-.007	.036	1077.068

Pairwise Comparisons^a

SNR	Venting	(I) Program	(J) Program	Sig. ^c	95% Confidence Interval for ^c ... Lower Bound
		Beam + DNN	No Processing	1.000	-.114
			Beam	1.000	-.114
			Beam + NoiseBlock	1.000	-.113
			DNN	1.000	-.102
			NoiseBlock	1.000	-.112

Pairwise Comparisons^a

SNR	Venting	(I) Program	(J) Program	95% Confidence Interval for ^c ... Upper Bound
		Beam + DNN	No Processing	.096
			Beam	.096
			Beam + NoiseBlock	.097
			DNN	.108
			NoiseBlock	.098

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

a. Dependent Variable: HASQI.

c. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests^a

SNR	Venting	Numerator df	Denominator df	F	Sig.
-5	Occluded	5	1077.068	10.021	<.001
	1 mm	5	1077.068	4.625	<.001
	Vented Dome	5	1077.068	.043	.999
	Open Dome	5	1077.068	.002	1.000
0	Occluded	5	1077.068	24.798	<.001
	1 mm	5	1077.068	11.361	<.001
	Vented Dome	5	1077.068	.096	.993
	Open Dome	5	1077.068	.009	1.000
5	Occluded	5	1077.068	29.056	<.001
	1 mm	5	1077.068	11.773	<.001
	Vented Dome	5	1077.068	.100	.992
	Open Dome	5	1077.068	.041	.999

Each F tests the simple effects of Program within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Dependent Variable: HASQI.