



Appendix C-A1

Report 610.12109-R2

Page 1 of 18

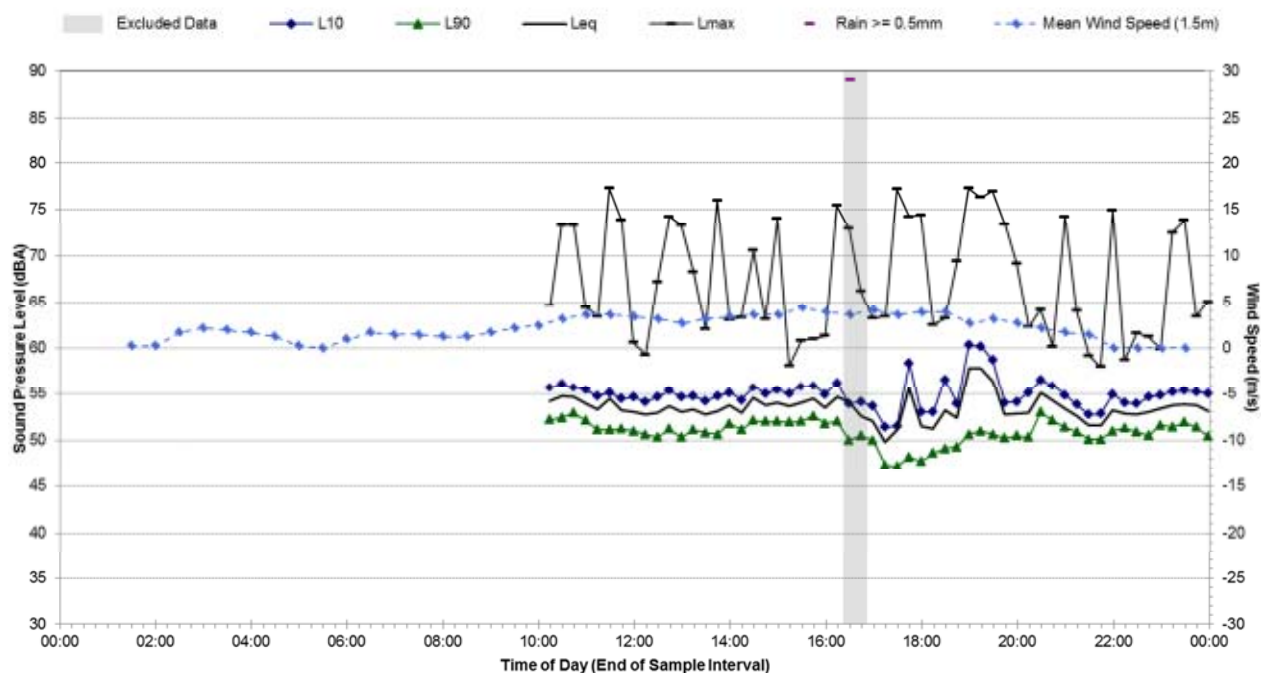
A1 Ambient Noise Monitoring Results

Noise Monitoring Location:		A1.2		Map of Noise Monitoring Location 		
Noise Monitoring Address:		6 Welfare Street, Homebush				
Logger Device Type: Svantek 957 Logger Serial No: 20673						
Ambient noise logger deployed outside residential address 6 Welfare Street, Homebush. Logger located in front balcony on north-west corner of house.						
Attended noise measurements indicate the ambient noise environment at this location is dominated by road traffic noise from Parramatta Road to the south, Homebush Bay Drive to the west, and the M4 to the north. Near continuous tyre-pavement noise from light-vehicle traffic on surrounding roads was observed at this location with traffic noise from heavy vehicle movements on surrounding roads audible several times during the attended monitoring period.						
Recorded Noise Levels (LAmax): M4 Light-vehicle road traffic: typically ~50 dBA, M4 Heavy-vehicle road traffic: 51-54 dBA, Parramatta Rd. Light-vehicle road traffic: 50-54 dBA, Parramatta Rd. Heavy-vehicle road traffic: 54-65 dBA, Homebush Bay Dr road traffic: typically <53 dBA						
Ambient Noise Logging Results – ICNG Defined Time Periods					Photo of Noise Monitoring Location 	
Monitoring Period		Noise Level (dBA)				
		RBL	LAeq	L10		L1
Daytime		50	56	56		61
Evening		50	55	55		59
Night-time		48	54	55	58	
Ambient Noise Logging Results – RNP Defined Time Periods						
Monitoring Period		Noise Level (dBA)				
		Weekday LAeq(Period)	Weekend LAeq(Period)	Weekly LAeq(Period)		
Number of Valid Days		8	3	N/A (7 Day Average)		
Daytime (7am-10pm)		55	56	56		
Night-time (10pm-7am)		53	56	54		
Attended Noise Measurement Results						
Date	Start Time	Measured Noise Level (dBA)				
		LA90	LAeq	LAmax		
13/02/2013	09:48	51	53	65		

A1 Ambient Noise Monitoring Results

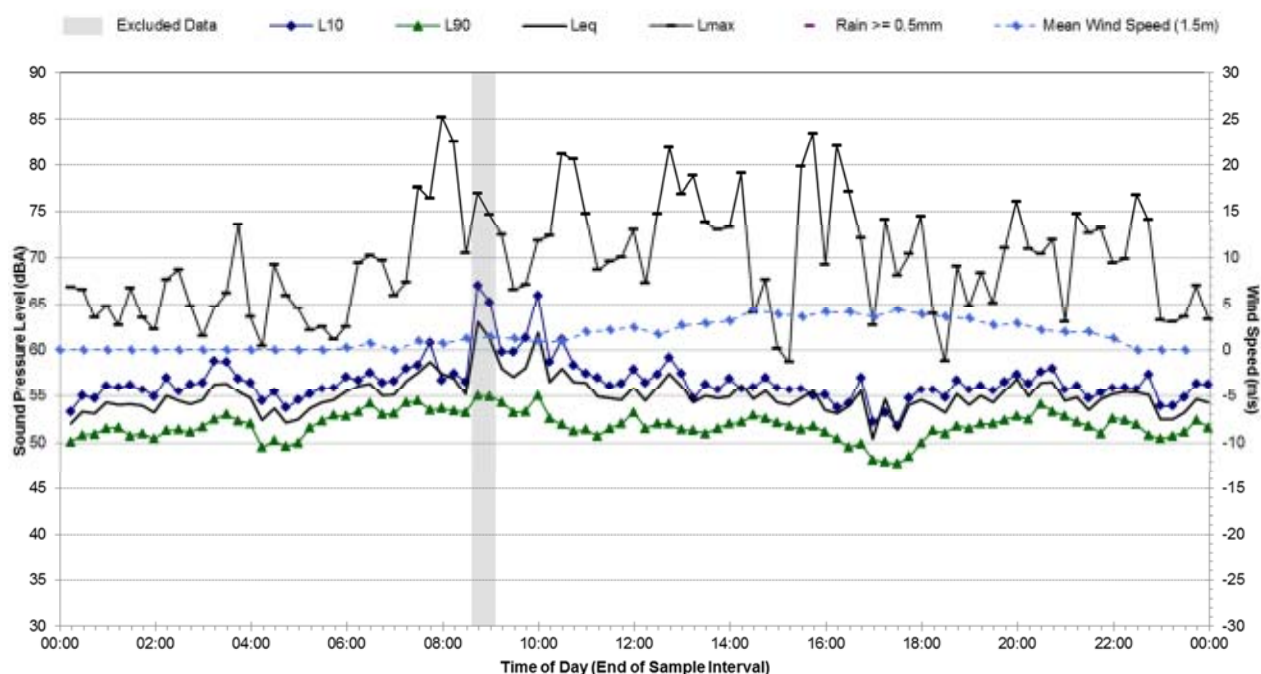
Statistical Ambient Noise Levels

A1.2 - Wednesday, 13 February 2013



Statistical Ambient Noise Levels

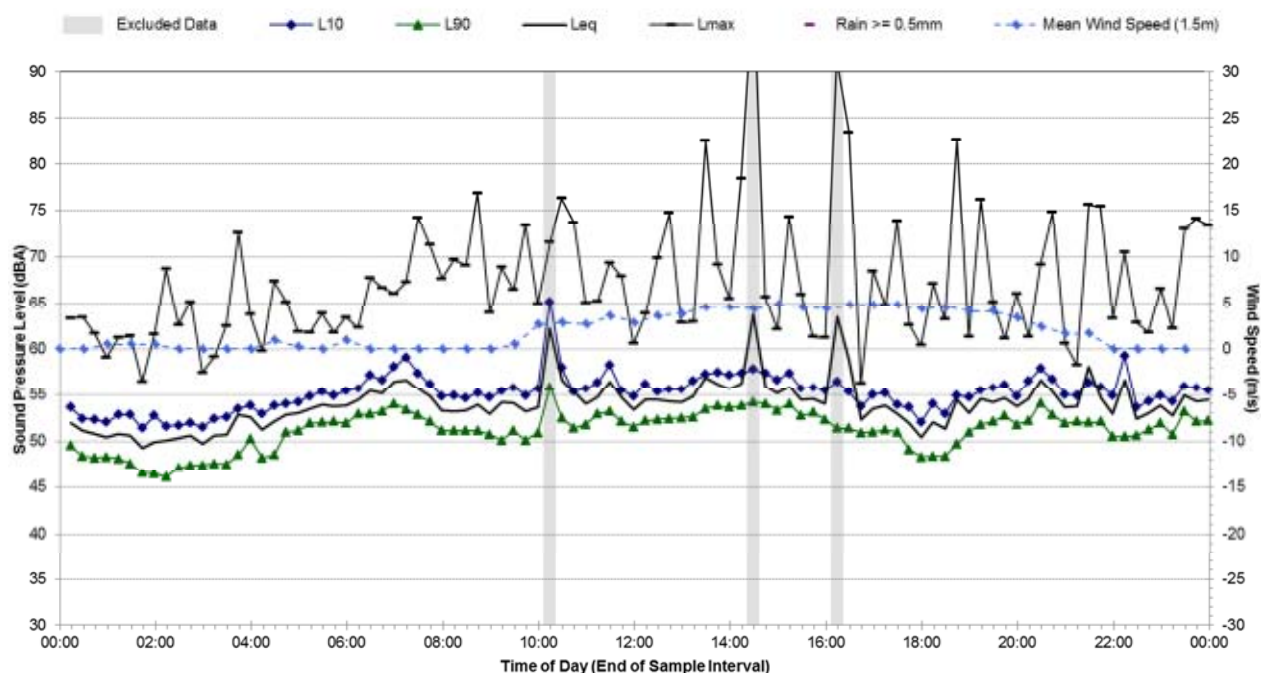
A1.2 - Thursday, 14 February 2013



A1 Ambient Noise Monitoring Results

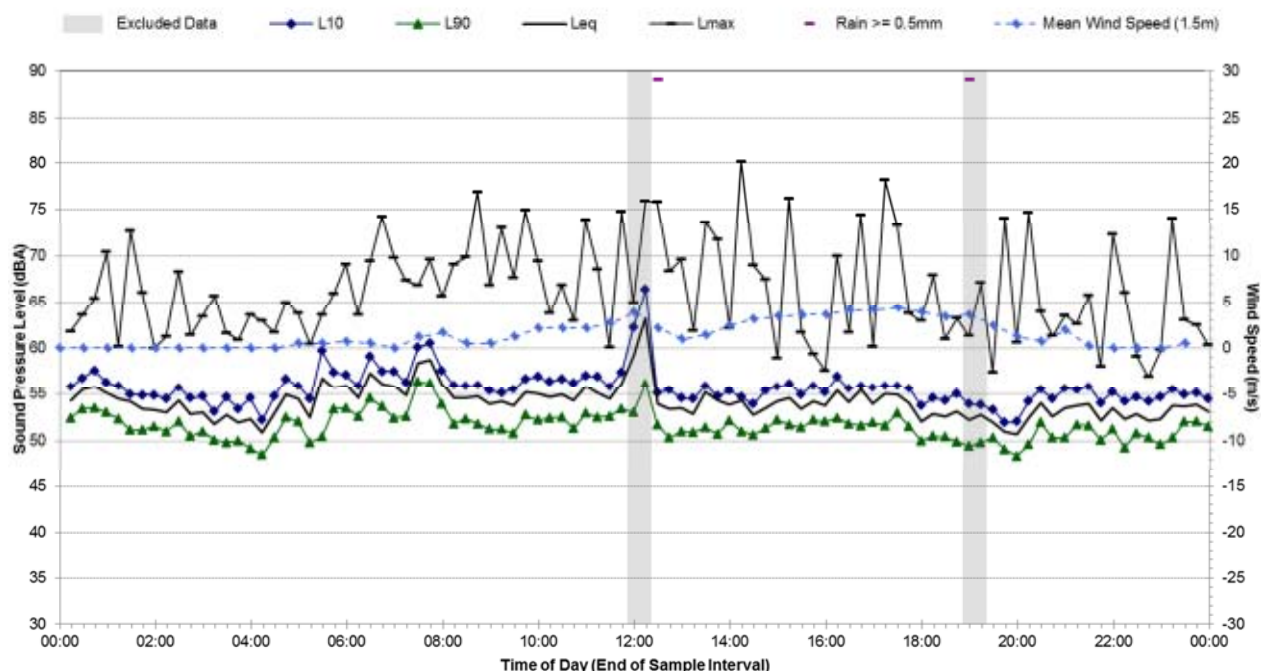
Statistical Ambient Noise Levels

A1.2 - Friday, 15 February 2013



Statistical Ambient Noise Levels

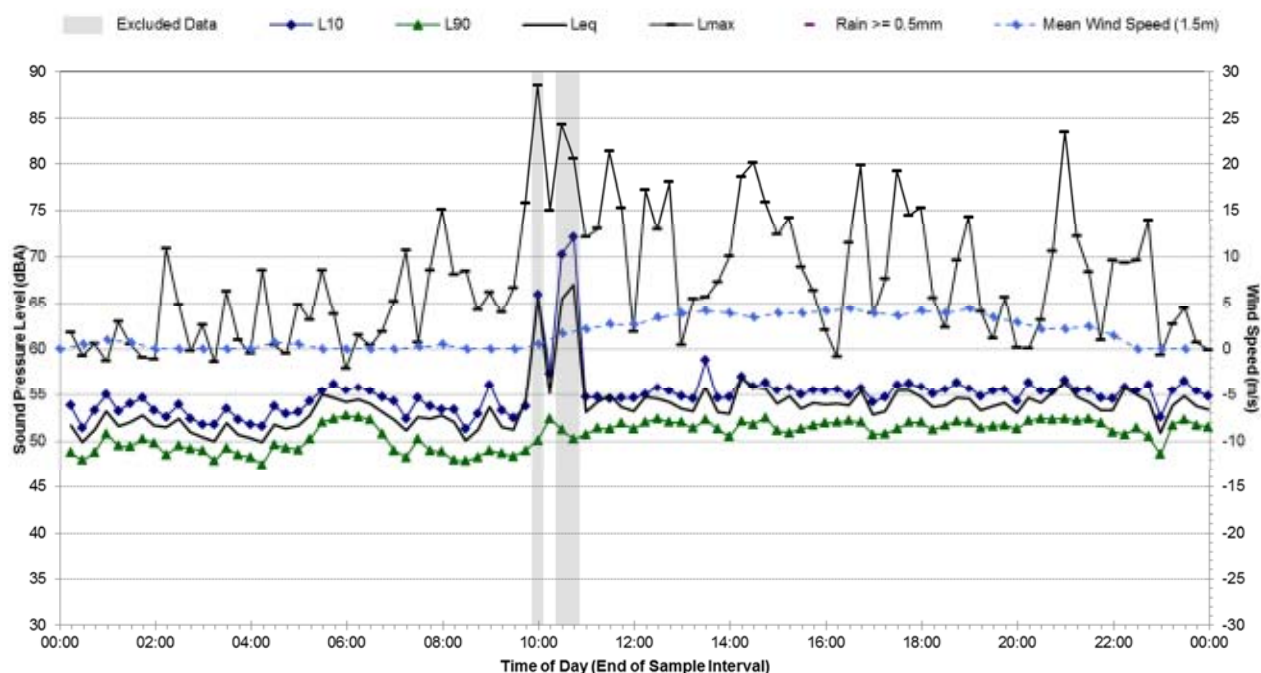
A1.2 - Saturday, 16 February 2013



A1 Ambient Noise Monitoring Results

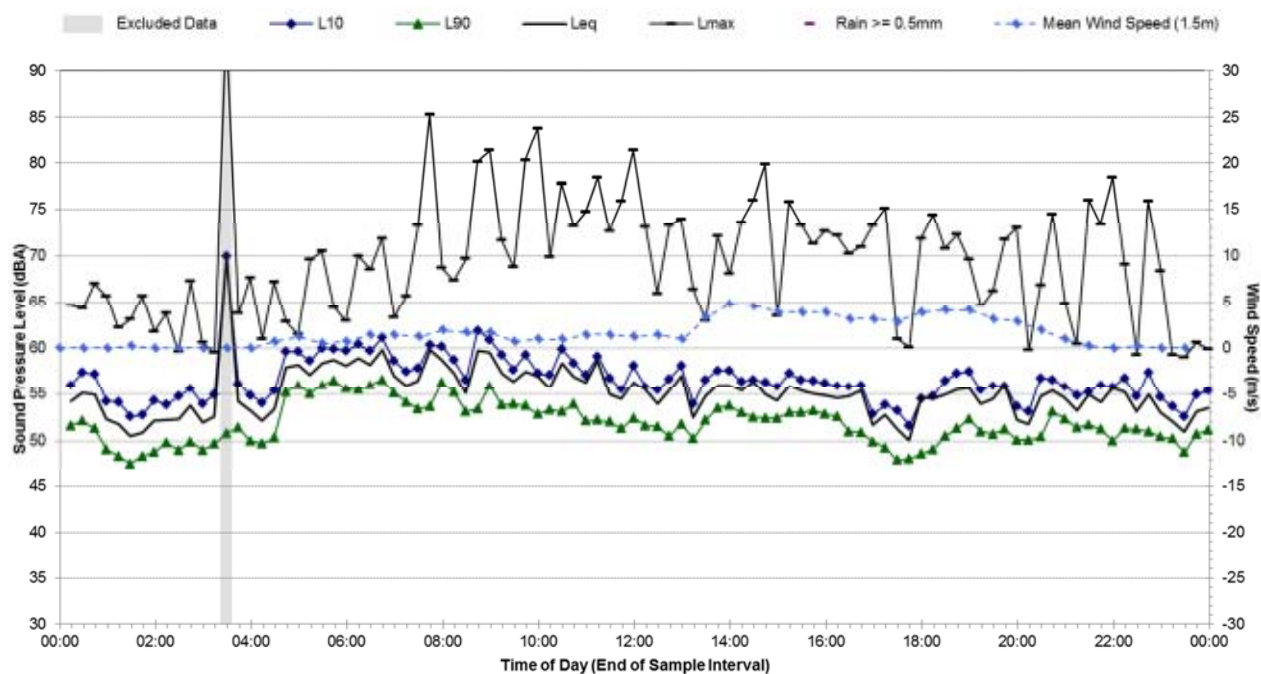
Statistical Ambient Noise Levels

A1.2 - Sunday, 17 February 2013



Statistical Ambient Noise Levels

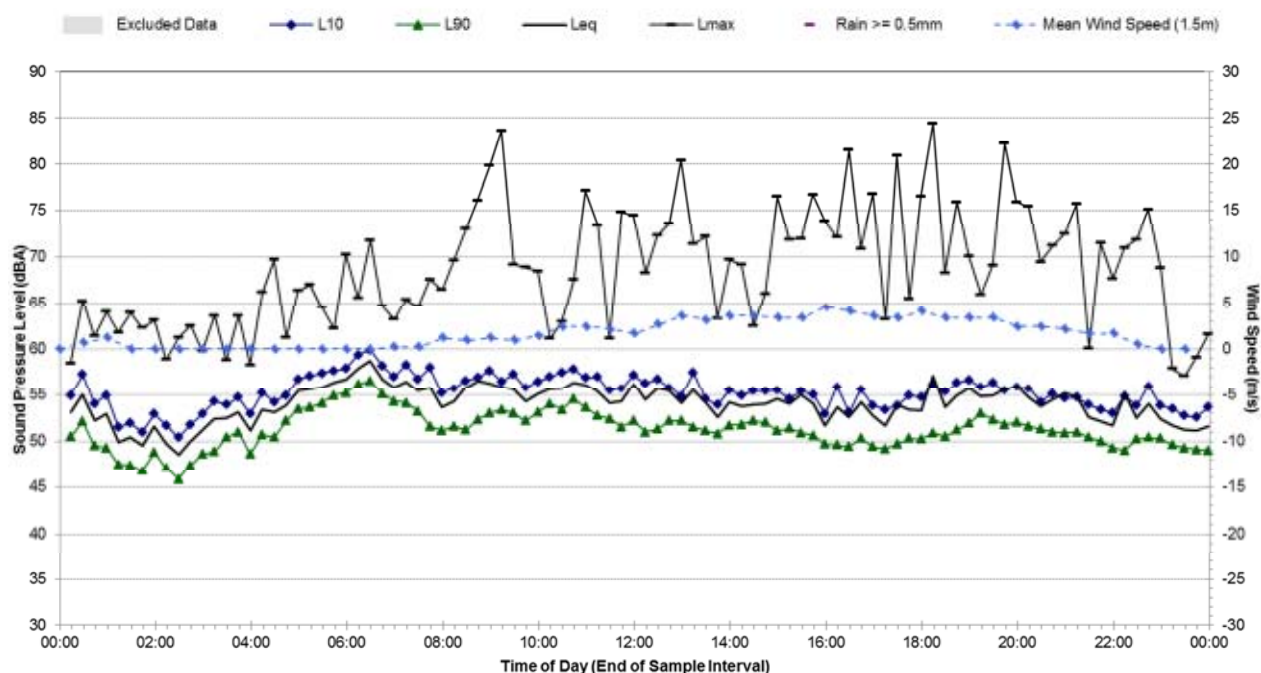
A1.2 - Monday, 18 February 2013



A1 Ambient Noise Monitoring Results

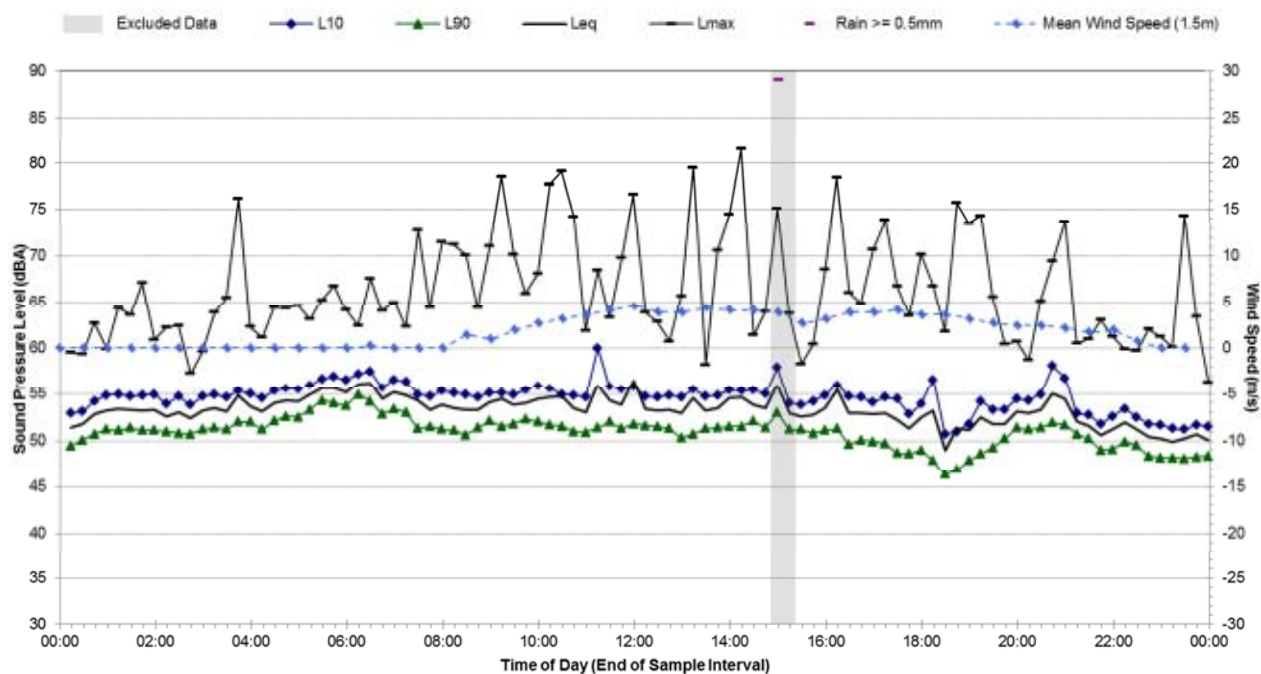
Statistical Ambient Noise Levels

A1.2 - Tuesday, 19 February 2013



Statistical Ambient Noise Levels

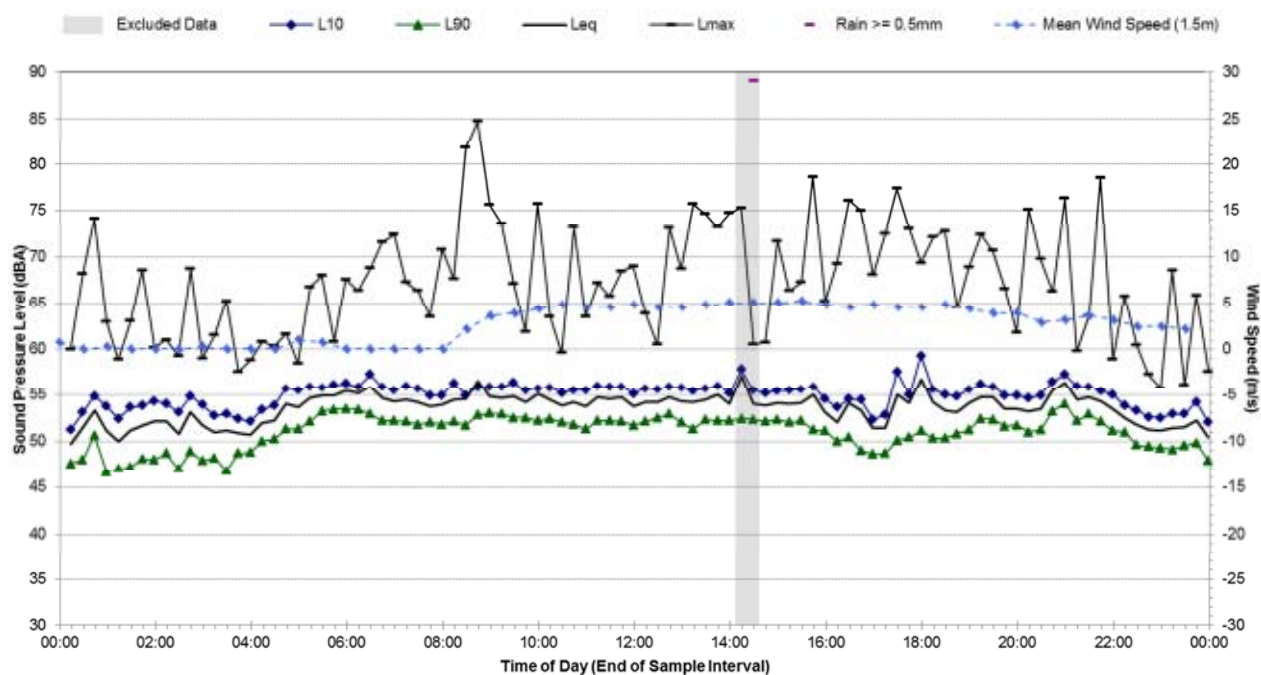
A1.2 - Wednesday, 20 February 2013



A1 Ambient Noise Monitoring Results

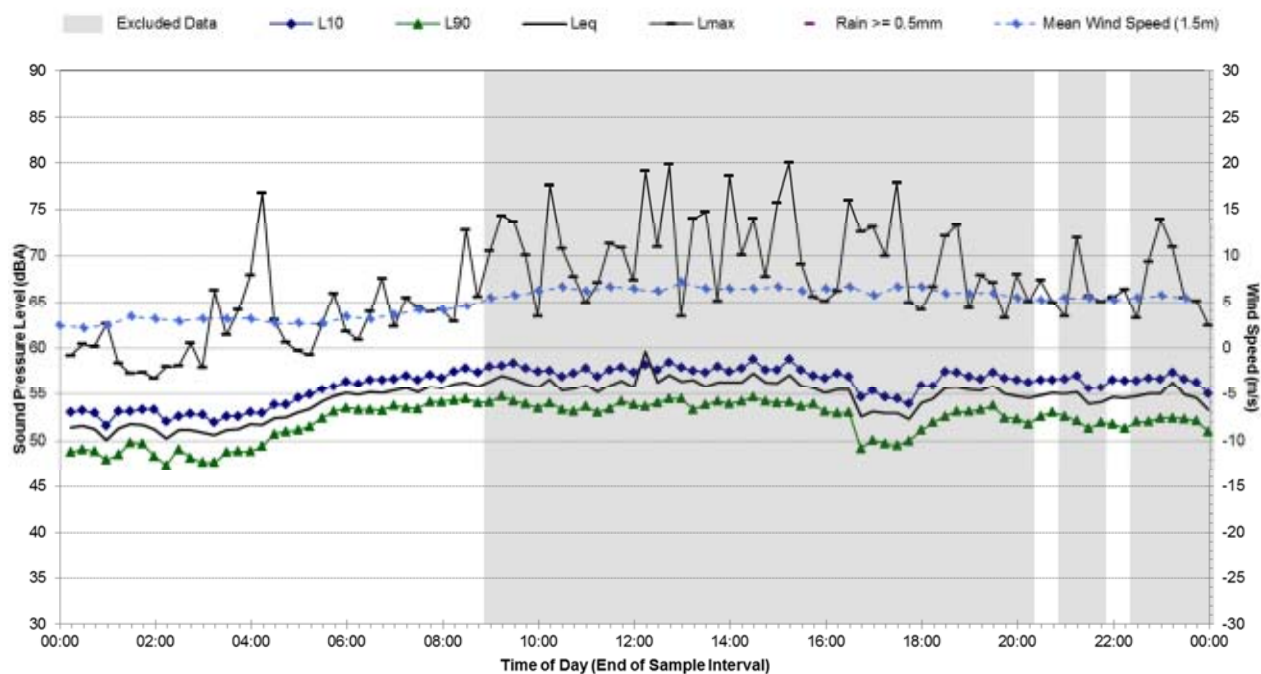
Statistical Ambient Noise Levels

A1.2 - Thursday, 21 February 2013



Statistical Ambient Noise Levels

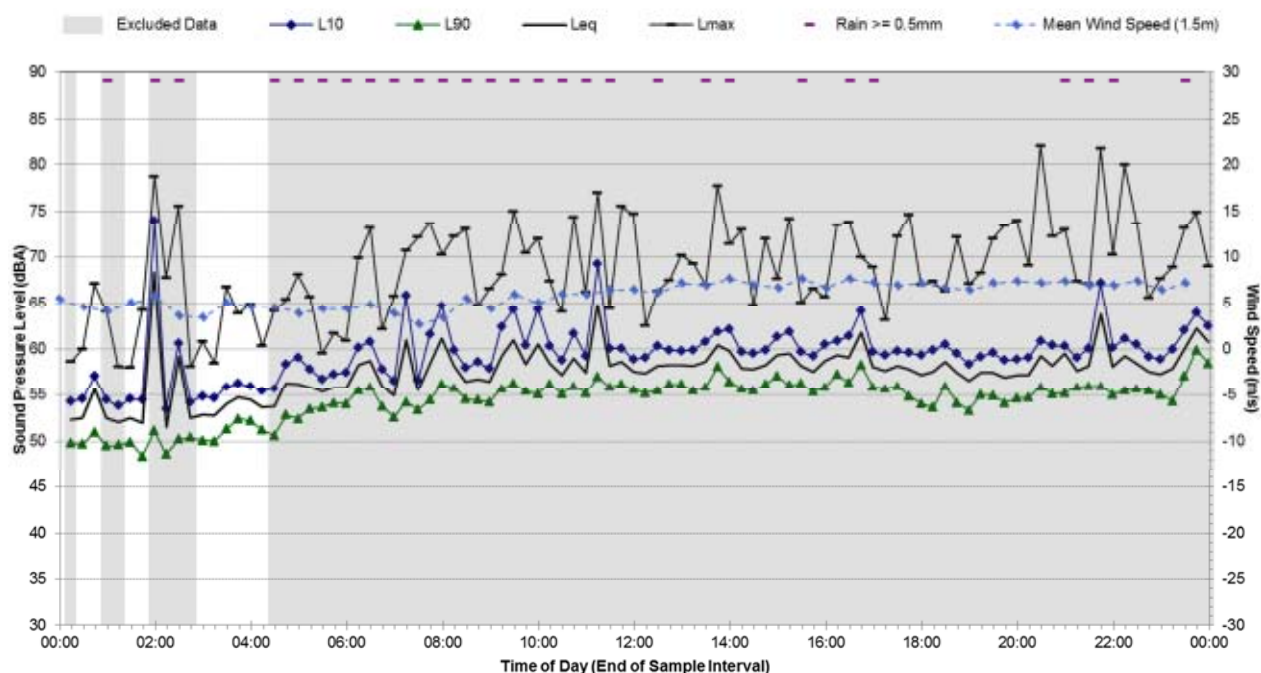
A1.2 - Friday, 22 February 2013



A1 Ambient Noise Monitoring Results

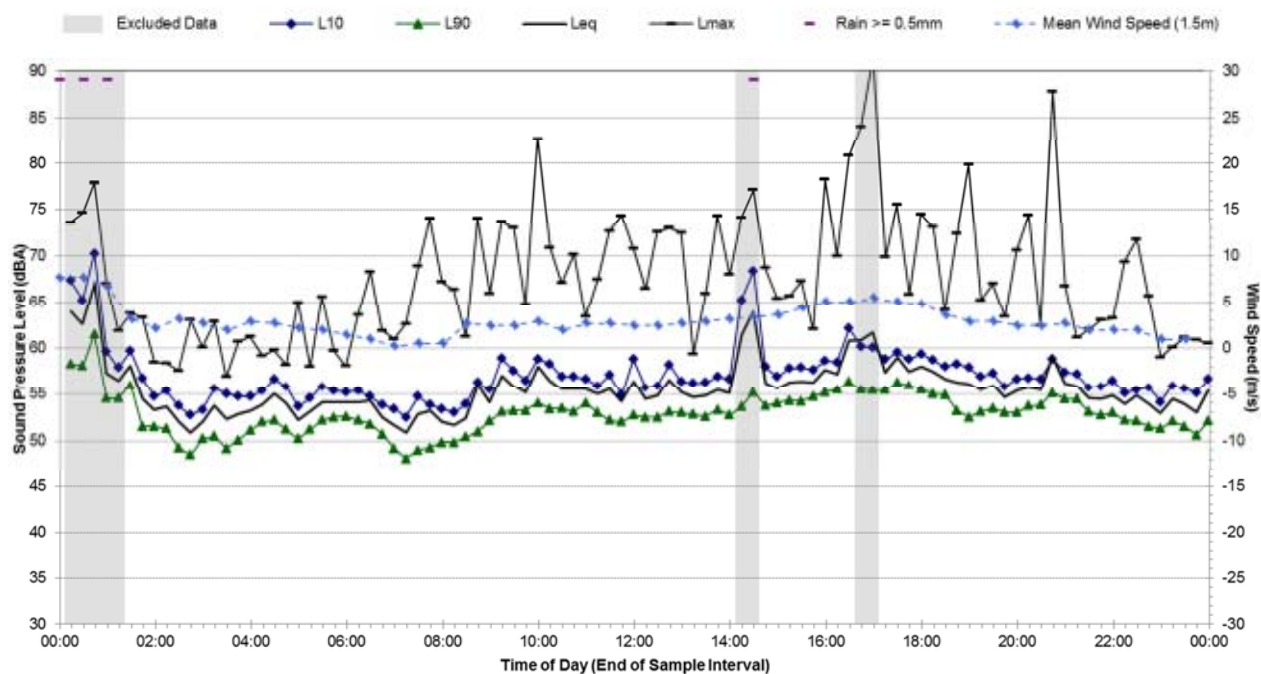
Statistical Ambient Noise Levels

A1.2 - Saturday, 23 February 2013



Statistical Ambient Noise Levels

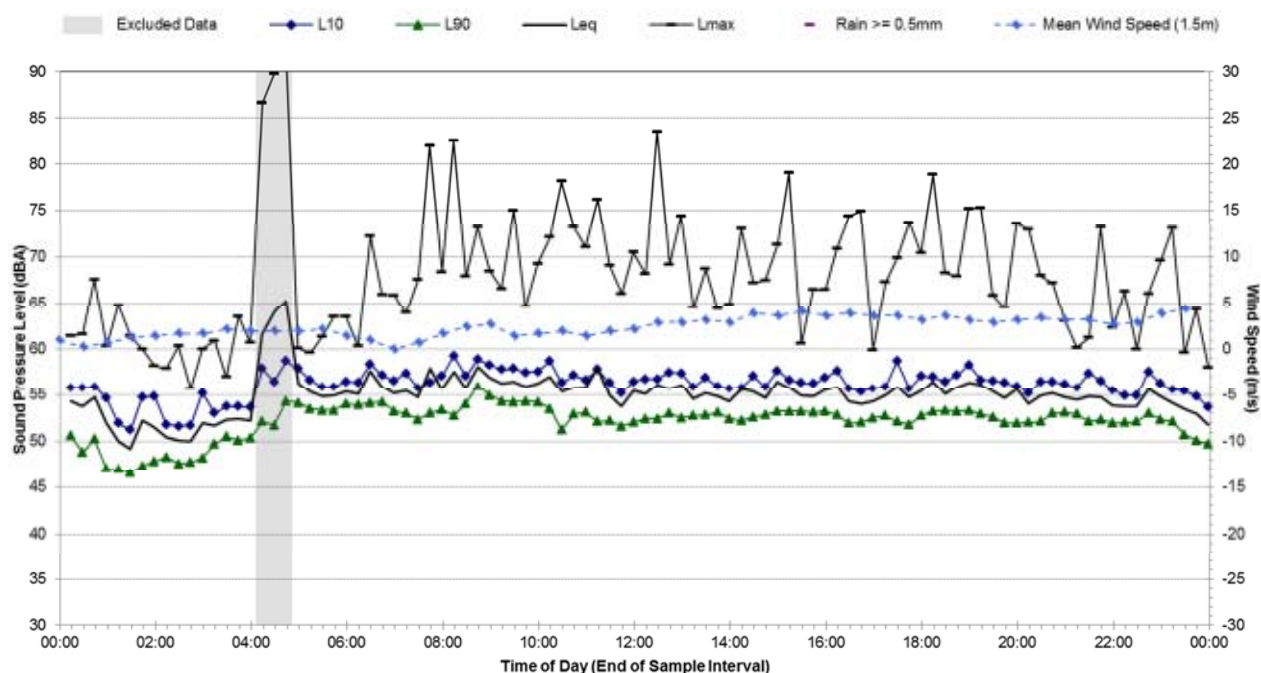
A1.2 - Sunday, 24 February 2013



A1 Ambient Noise Monitoring Results

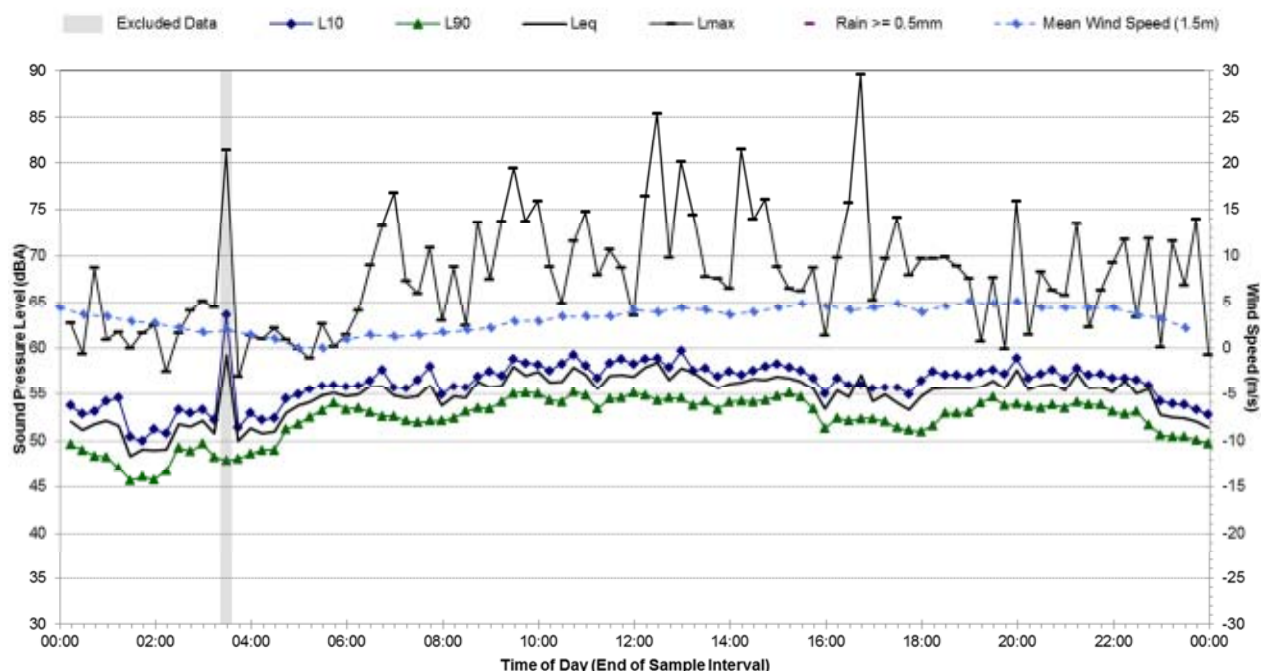
Statistical Ambient Noise Levels

A1.2 - Monday, 25 February 2013



Statistical Ambient Noise Levels

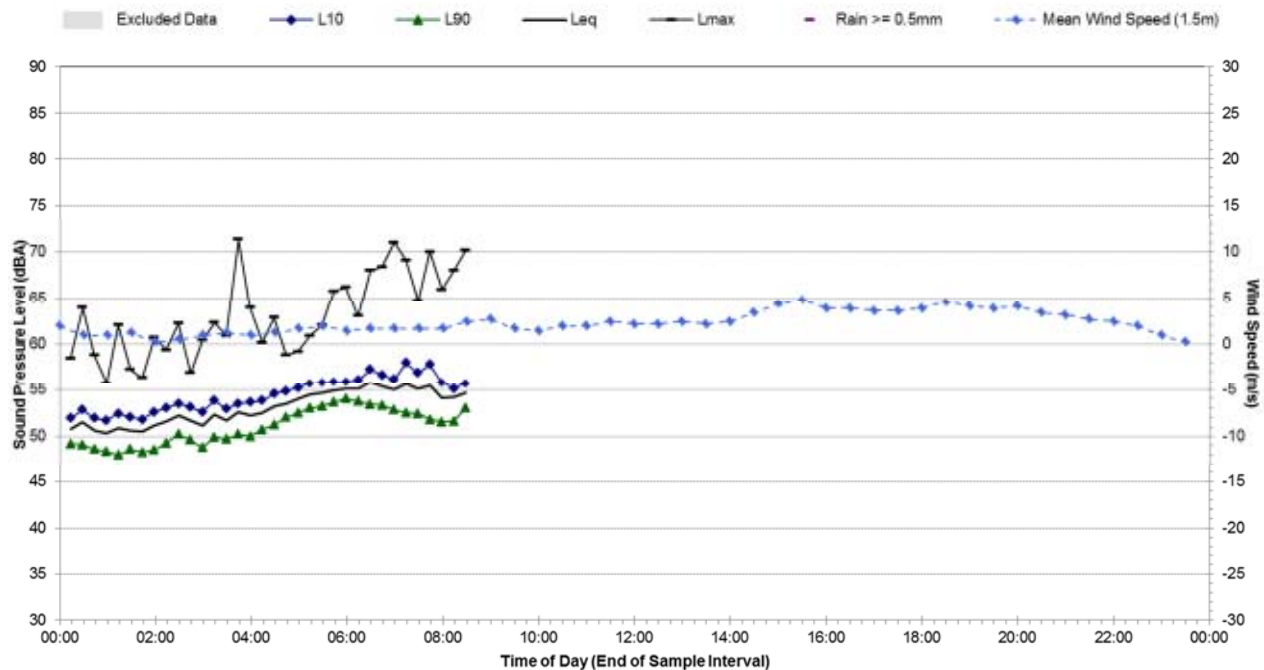
A1.2 - Tuesday, 26 February 2013



A1 Ambient Noise Monitoring Results

Statistical Ambient Noise Levels

A1.2 - Wednesday, 27 February 2013




Appendix C-A1

Report 610.12109-R2

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A1 Ambient Noise Monitoring Results

Noise Monitoring Location: A1.3		Map of Noise Monitoring Location		
Noise Monitoring Address: 3 Courallie Avenue, Homebush West				
Logger Device Type: Svantek 957				
Logger Serial No: 23241				
Ambient noise logger deployed at rear of residential address 3 Courallie Avenue, Homebush West. Logger located in northern corner of back yard.				
Attended noise measurements indicate the ambient noise environment at this location is dominated by road traffic noise from Parramatta Road (located to the north between the monitoring location and the M4 motorway) during the daytime. Near continuous tyre-pavement noise from light-vehicle traffic on surrounding roads was observed at this location with discrete traffic noise from heavy vehicle movements on Parramatta Road occurring often during the attended monitoring period. Traffic noise from vehicles on the M4 was not discernible above other road traffic noise during the attended monitoring period.				
Recorded Noise Levels (LAmax): Parramatta Rd. Light-vehicle road traffic: 55-60 dBA, Parramatta Rd. Heavy-vehicle road traffic: 62-68 dBA, Parramatta Rd. Motorbike road traffic: 62 dBA				
Ambient Noise Logging Results – ICNG Defined Time Periods				
Monitoring Period	Noise Level (dBA)			
	RBL	LAeq	L10	L1
Daytime	56	61	63	67
Evening	54	60	61	66
Night-time	50	58	59	65
Ambient Noise Logging Results – RNP Defined Time Periods				
Monitoring Period	Noise Level (dBA)			
	Weekday LAeq(Period)	Weekend LAeq(Period)	Weekly LAeq(Period)	
Number of Valid Days	8	3	N/A (7 Day Average)	
Daytime (7am-10pm)	61	60	61	
Night-time (10pm-7am)	58	58	58	
Attended Noise Measurement Results				
Date	Start Time	Measured Noise Level (dBA)		
		LA90	LAeq	LAmax
13/02/2013	10:29	56	60	68


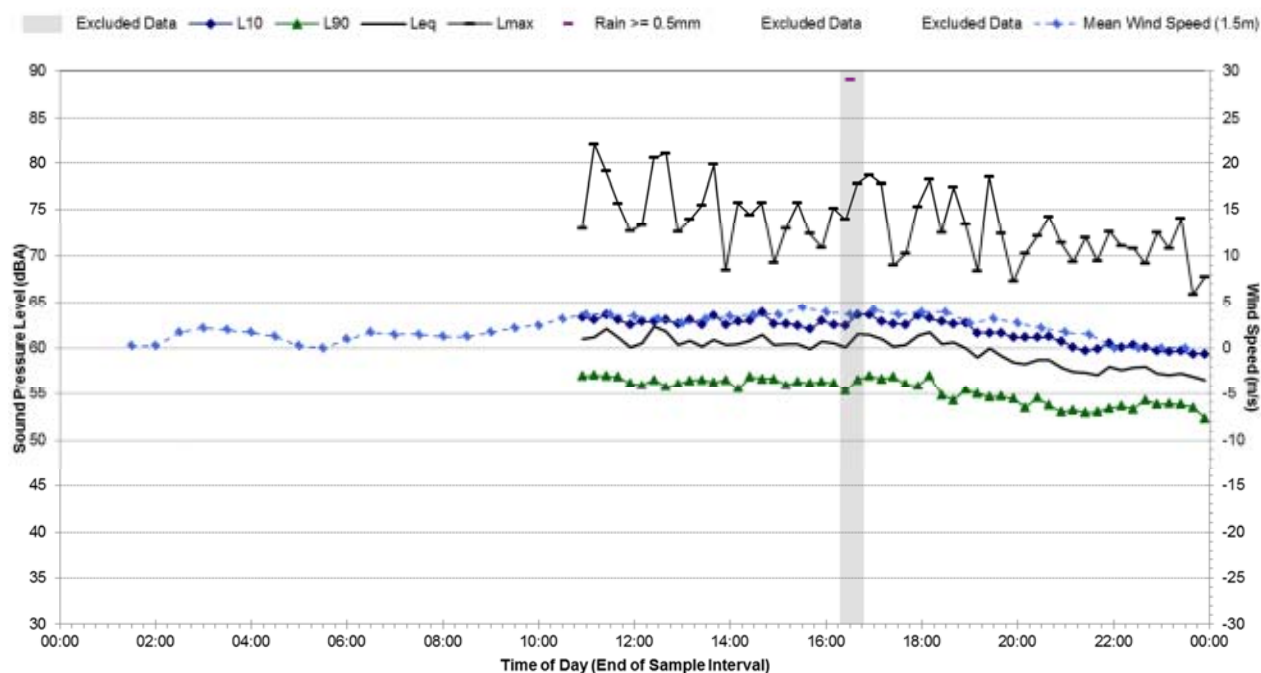


Photo of Noise Monitoring Location

A1 Ambient Noise Monitoring Results

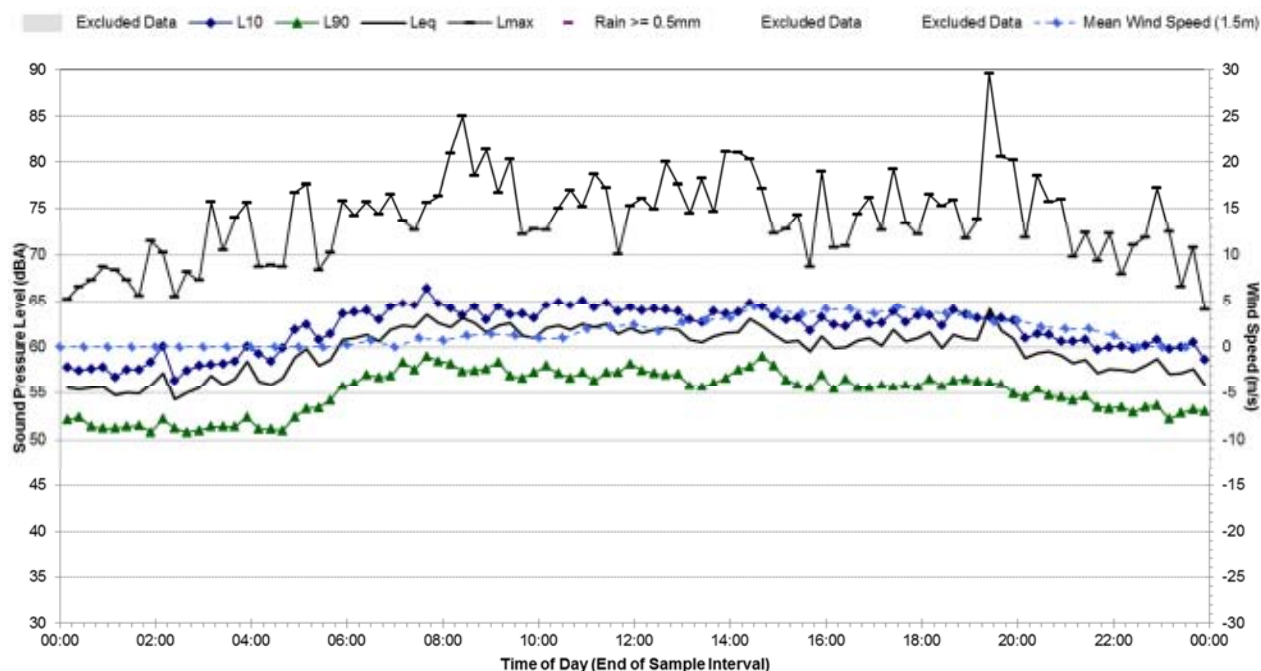
Statistical Ambient Noise Levels

A1.3 - Wednesday, 13 February 2013



Statistical Ambient Noise Levels

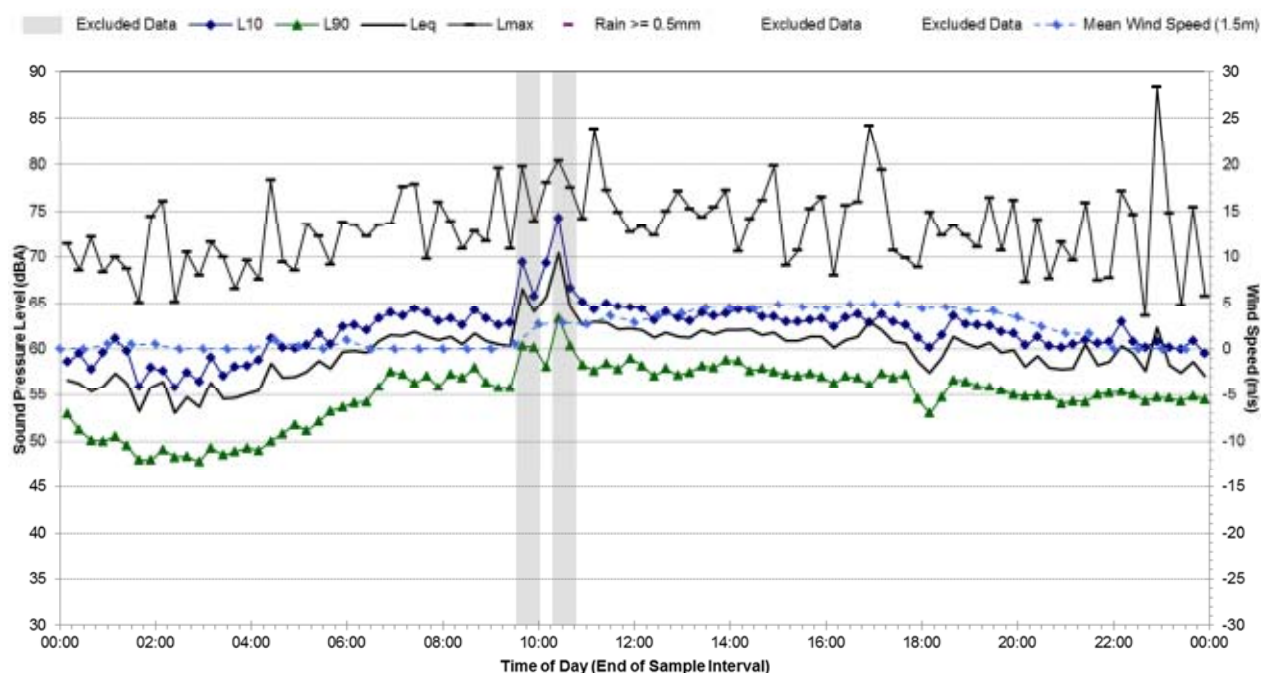
A1.3 - Thursday, 14 February 2013



A1 Ambient Noise Monitoring Results

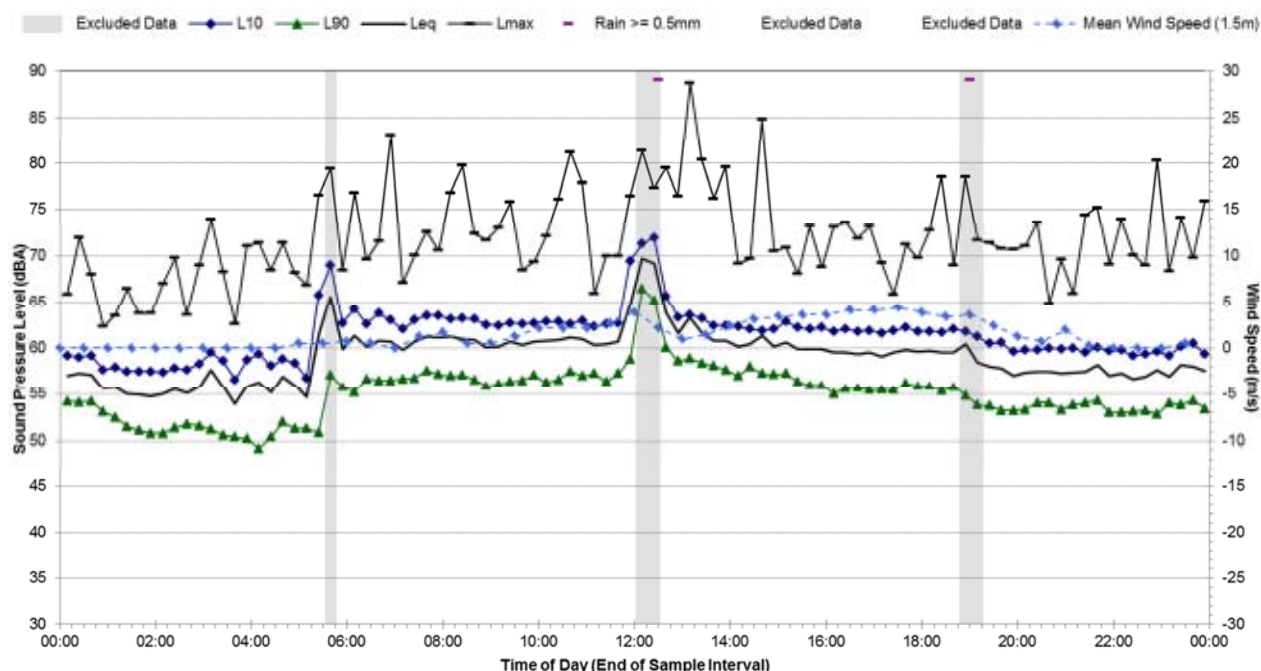
Statistical Ambient Noise Levels

A1.3 - Friday, 15 February 2013



Statistical Ambient Noise Levels

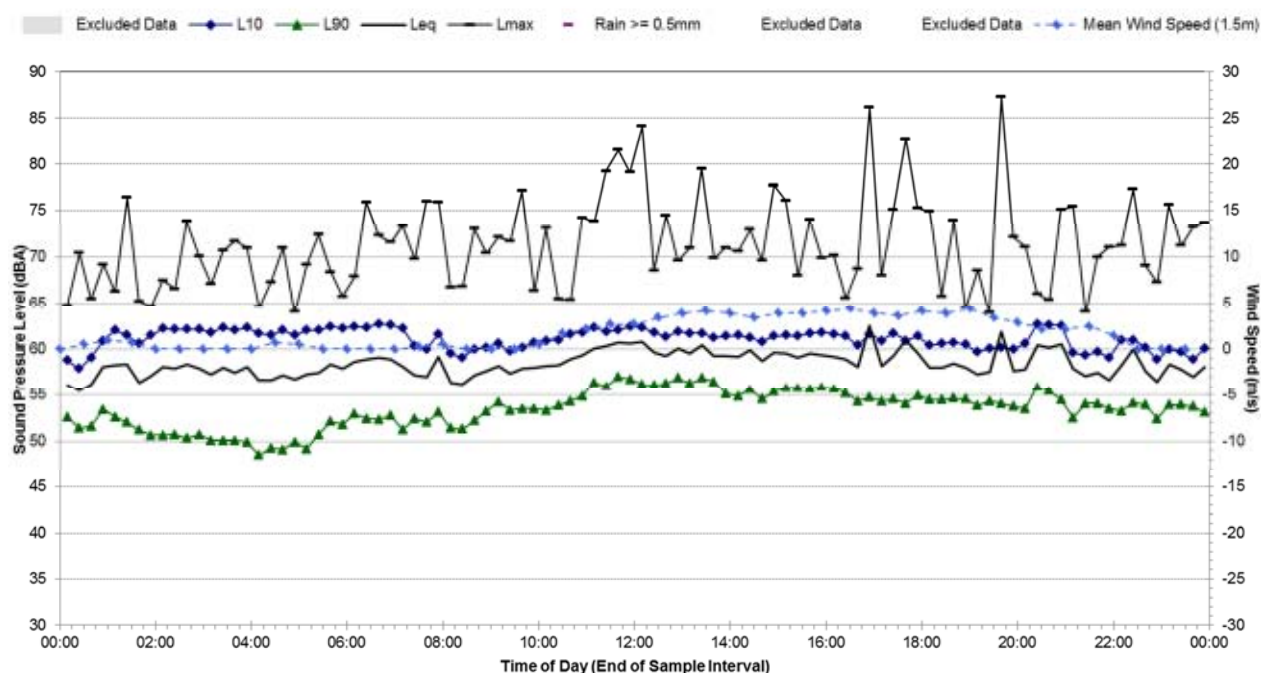
A1.3 - Saturday, 16 February 2013



A1 Ambient Noise Monitoring Results

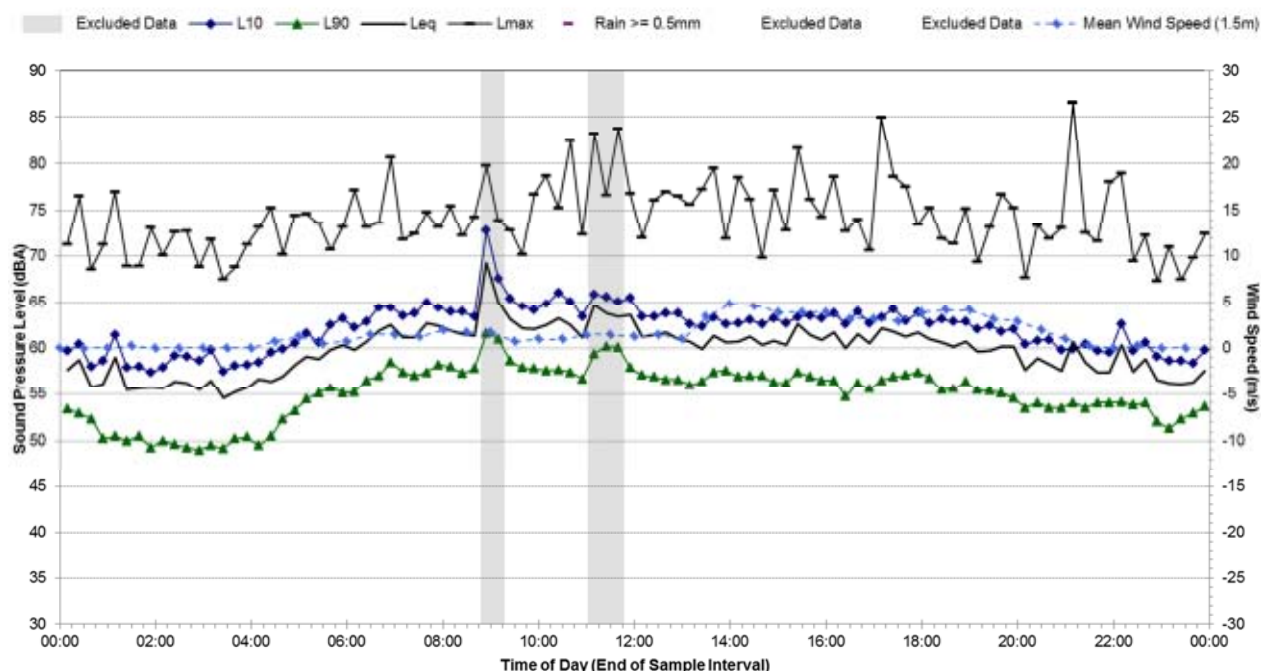
Statistical Ambient Noise Levels

A1.3 - Sunday, 17 February 2013



Statistical Ambient Noise Levels

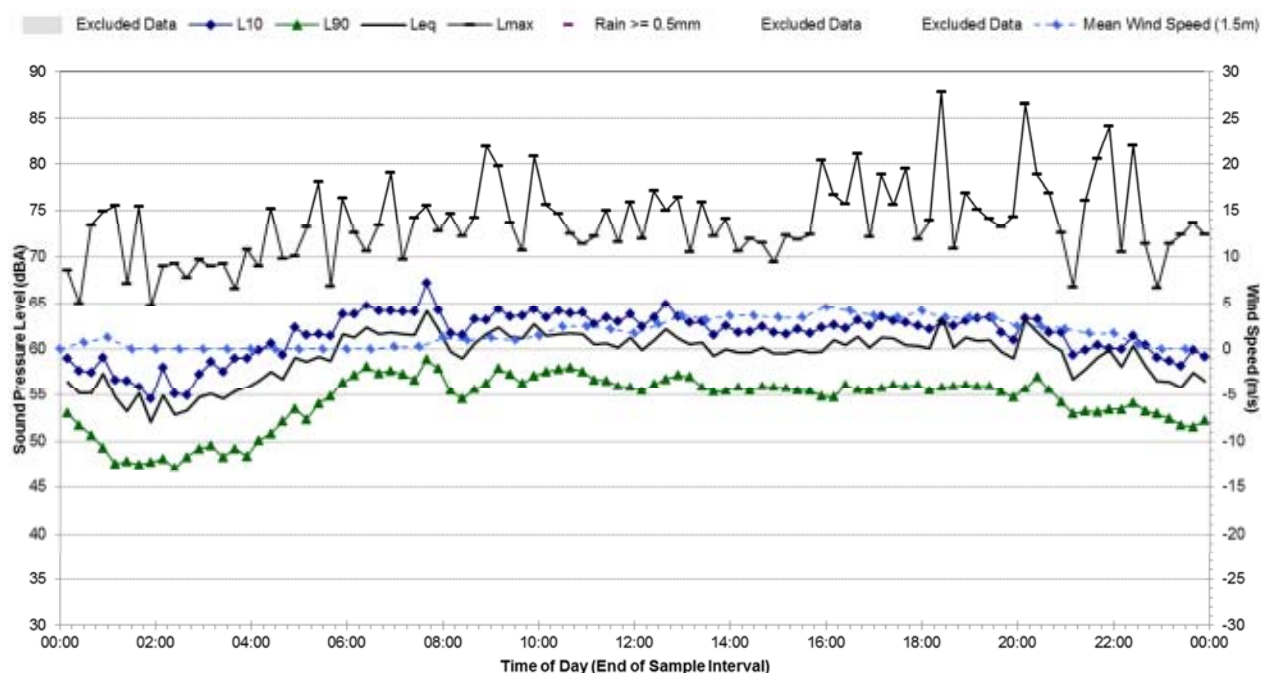
A1.3 - Monday, 18 February 2013



A1 Ambient Noise Monitoring Results

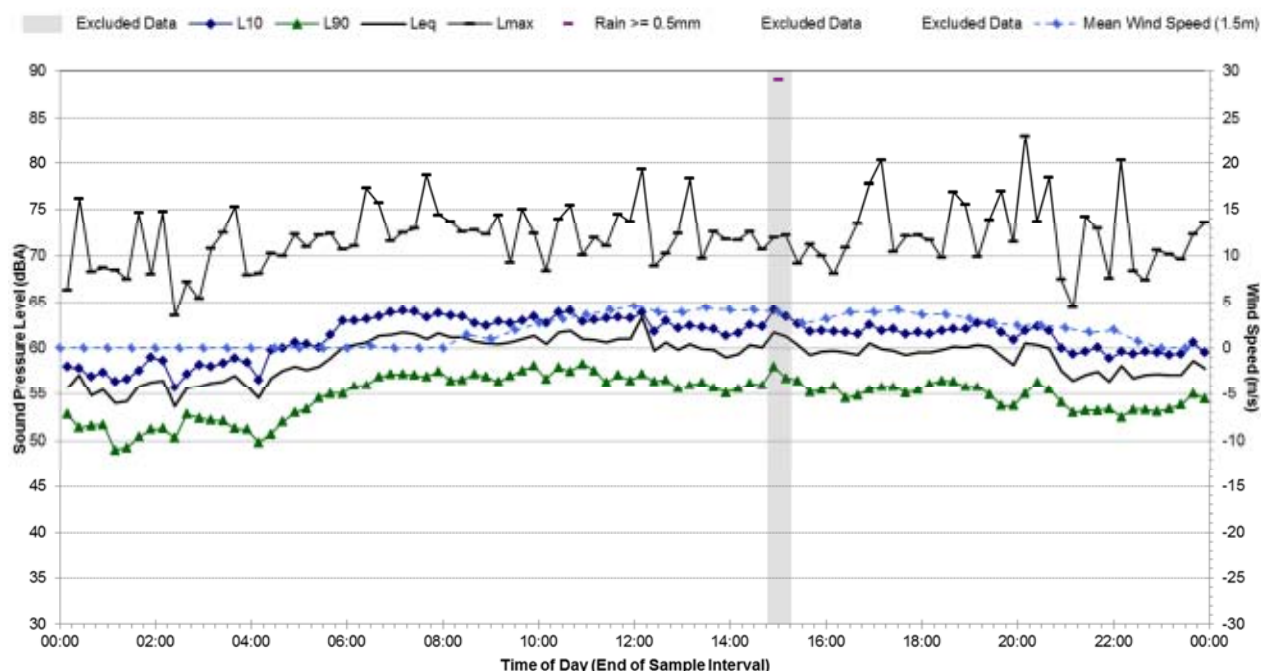
Statistical Ambient Noise Levels

A1.3 - Tuesday, 19 February 2013



Statistical Ambient Noise Levels

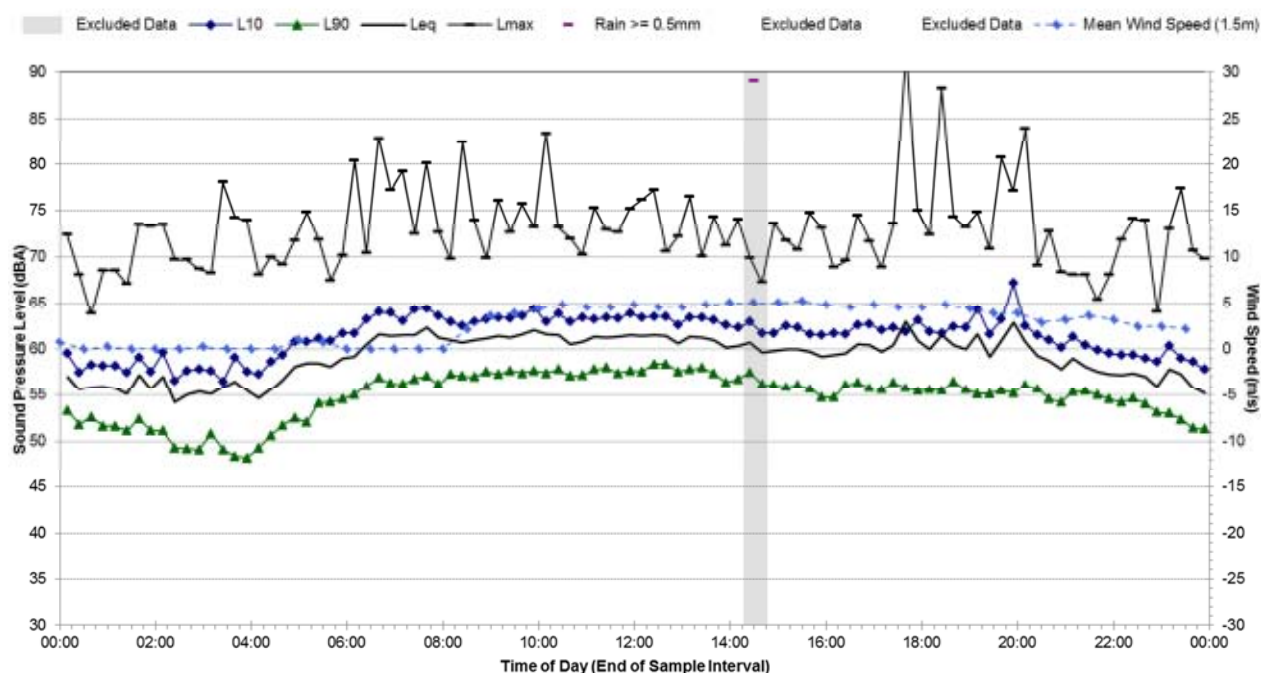
A1.3 - Wednesday, 20 February 2013



A1 Ambient Noise Monitoring Results

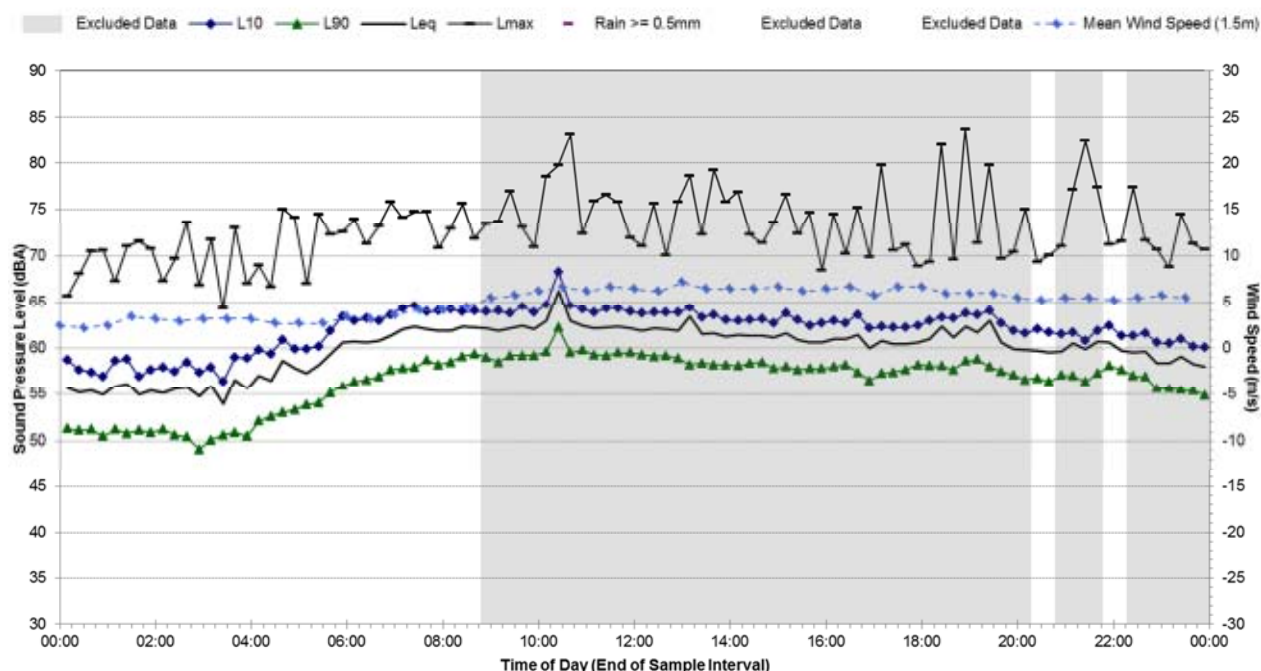
Statistical Ambient Noise Levels

A1.3 - Thursday, 21 February 2013



Statistical Ambient Noise Levels

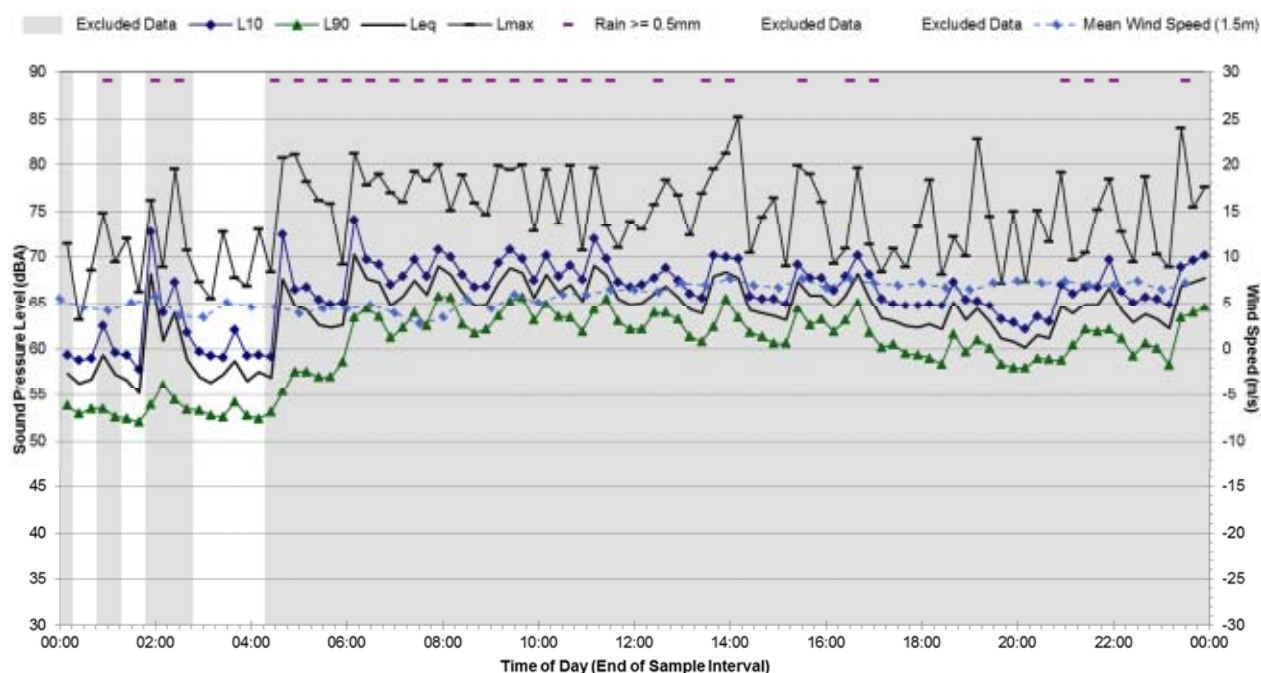
A1.3 - Friday, 22 February 2013



A1 Ambient Noise Monitoring Results

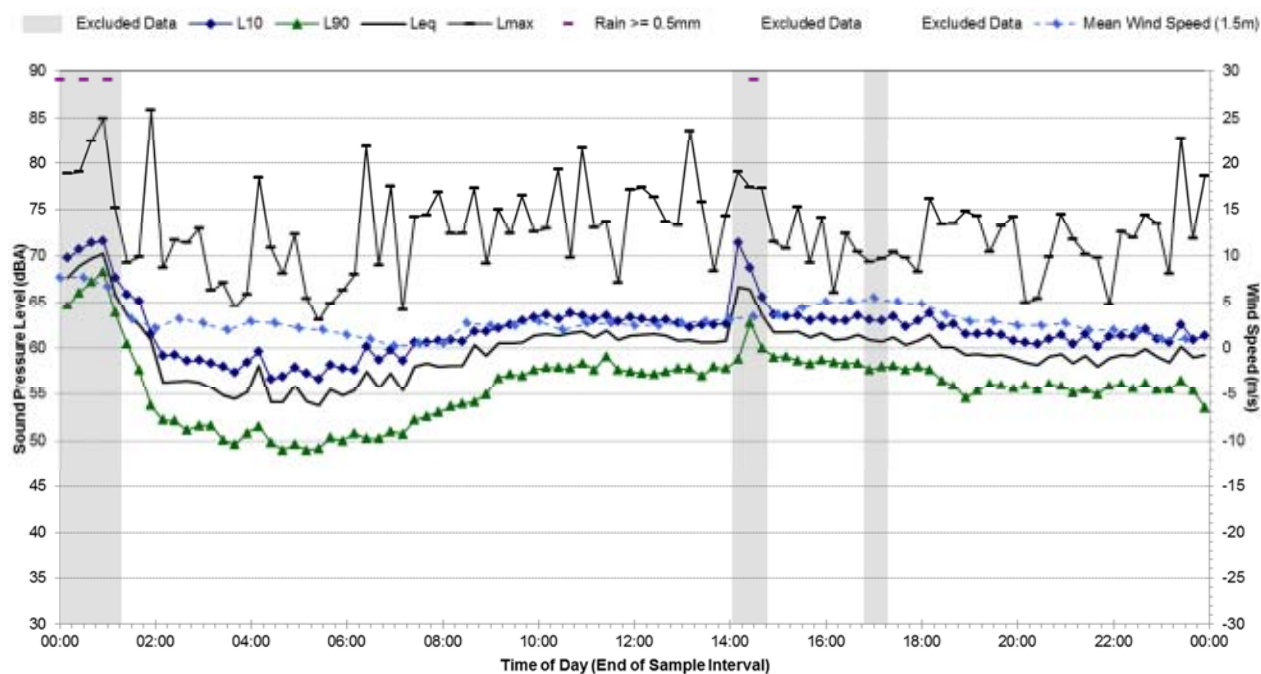
Statistical Ambient Noise Levels

A1.3 - Saturday, 23 February 2013



Statistical Ambient Noise Levels

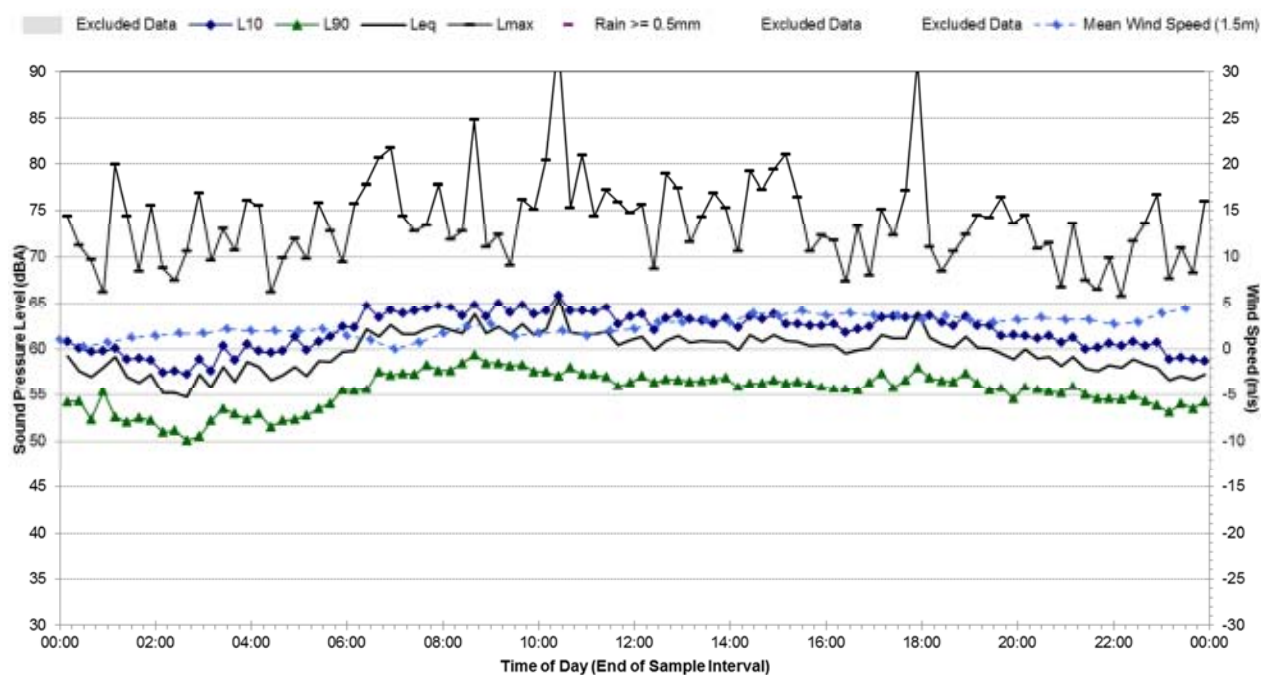
A1.3 - Sunday, 24 February 2013



A1 Ambient Noise Monitoring Results

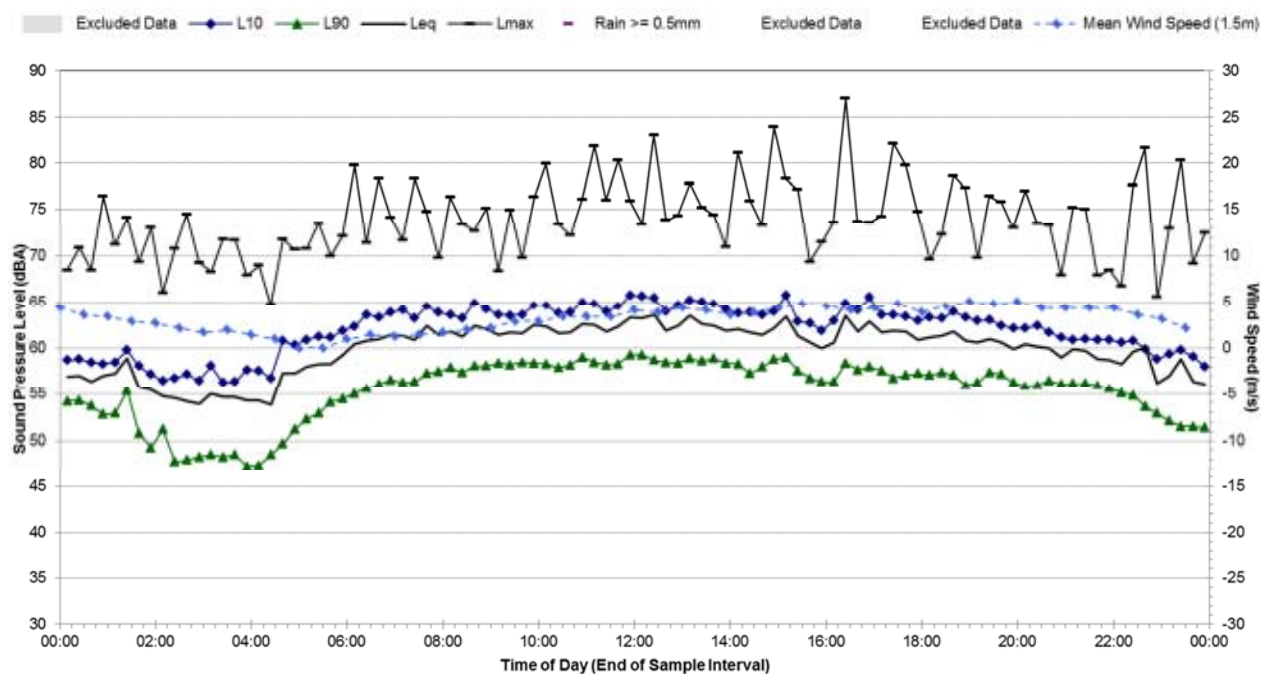
Statistical Ambient Noise Levels

A1.3 - Monday, 25 February 2013



Statistical Ambient Noise Levels

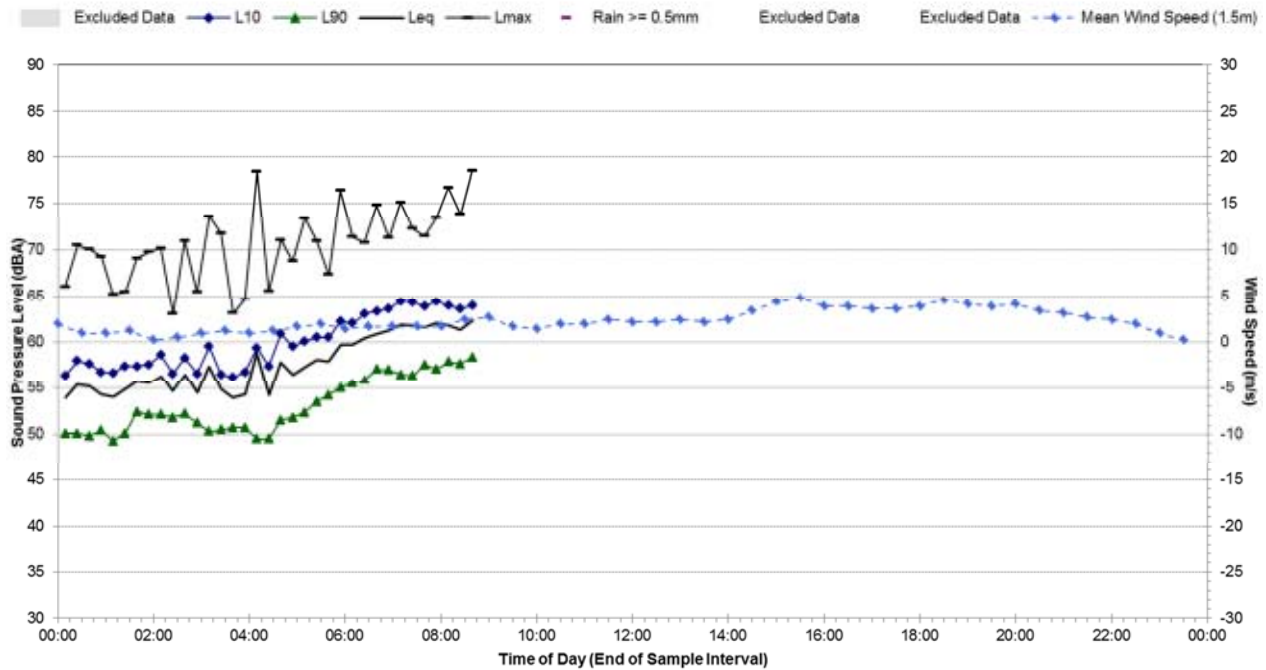
A1.3 - Tuesday, 26 February 2013



A1 Ambient Noise Monitoring Results

Statistical Ambient Noise Levels

A1.3 - Wednesday, 27 February 2013





Appendix C-A2

Report 610.12109-R2

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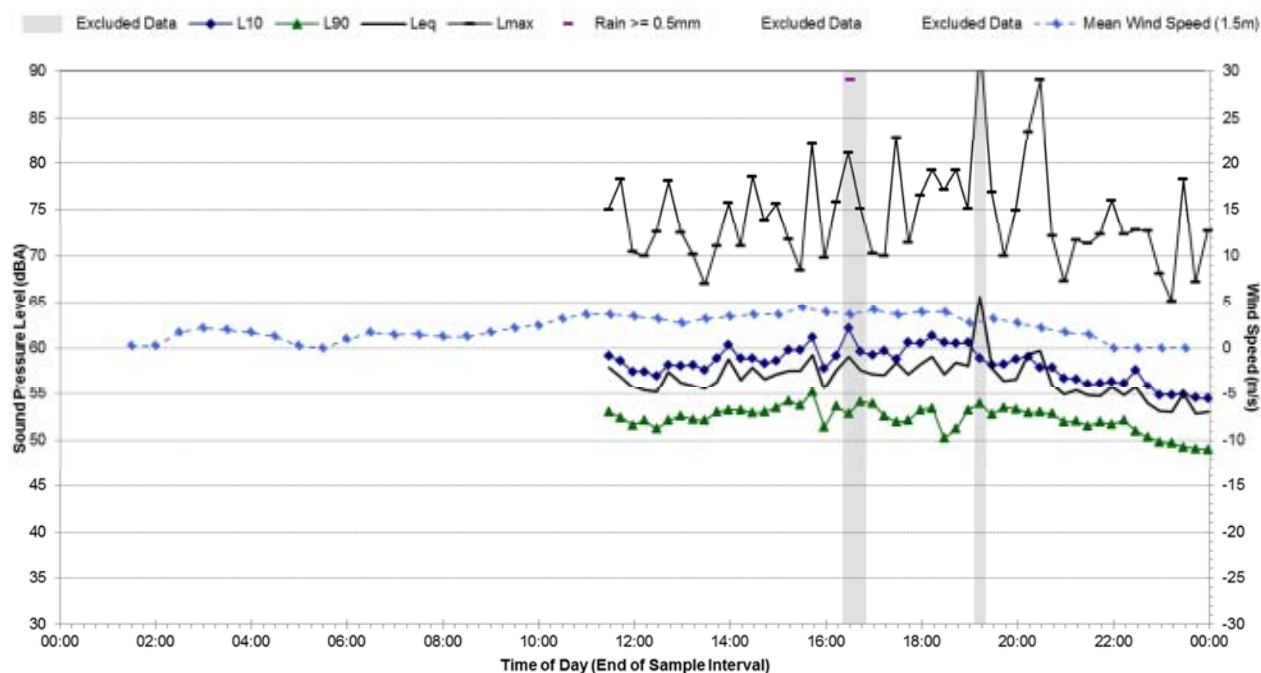
A2 Ambient Noise Monitoring Results

Noise Monitoring Location: A2.1		Map of Noise Monitoring Location				
Noise Monitoring Address: 135 Delhi Road, Lidcombe						
Logger Device Type: Svantek 957						
Logger Serial No: 20674						
Ambient noise logger deployed outside residential address 135 Delhi Road, Lidcombe. Logger located in front yard on eastern boundary of property.						
Attended noise measurements indicate the ambient noise environment at this location is dominated by road traffic noise from the M4 (moderately congested) and Parramatta Road. Near continuous tyre-pavement noise from light-vehicle traffic on the M4 and Parramatta Road was observed at this location with traffic noise from heavy vehicle movements audible several times per minute.						
Recorded Noise Levels (LAmax): M4 Light-vehicle road traffic: typically 51-55 dBA, M4 Heavy-vehicle road traffic: 54-58 dBA, Parramatta Rd. Light-vehicle road traffic: typically 53-55 dBA, Parramatta Rd. Heavy-vehicle road traffic: 54-59 dBA, Local road traffic: 63-74 dBA, Birds: 60-64 dBA						
Ambient Noise Logging Results – ICNG Defined Time Periods						
Monitoring Period	Noise Level (dBA)					
	RBL			LAeq	L10	L1
Daytime	52			60	61	67
Evening	52	59	60	66		
Night-time	47	55	55	61		
Ambient Noise Logging Results – RNP Defined Time Periods						
Monitoring Period	Noise Level (dBA)					
	Weekday LAeq(Period)	Weekend LAeq(Period)	Weekly LAeq(Period)			
Number of Valid Days	8	3	N/A (7 Day Average)			
Daytime (7am-10pm)	60	59	60			
Night-time (10pm-7am)	55	55	55			
Attended Noise Measurement Results						
Date	Start Time	Measured Noise Level (dBA)				
		LA90	LAeq	LAmax		
13/02/2013	15:38	52	57	74		

A2 Ambient Noise Monitoring Results

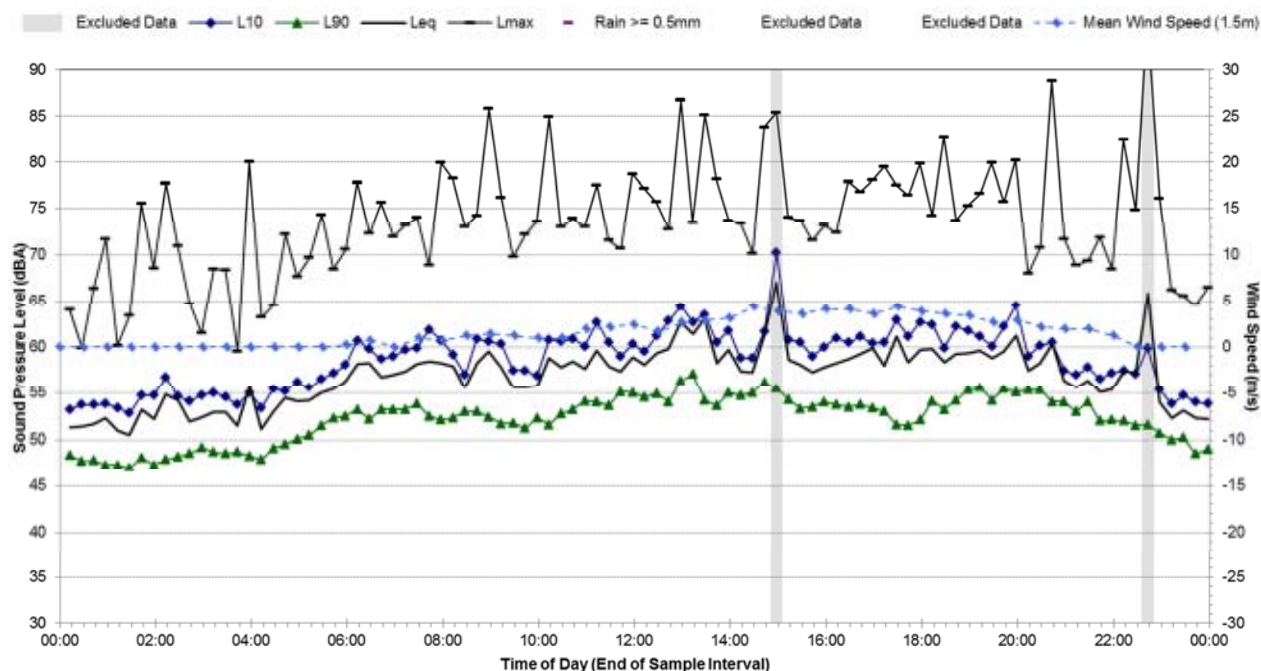
Statistical Ambient Noise Levels

A2.1 - Wednesday, 13 February 2013



Statistical Ambient Noise Levels

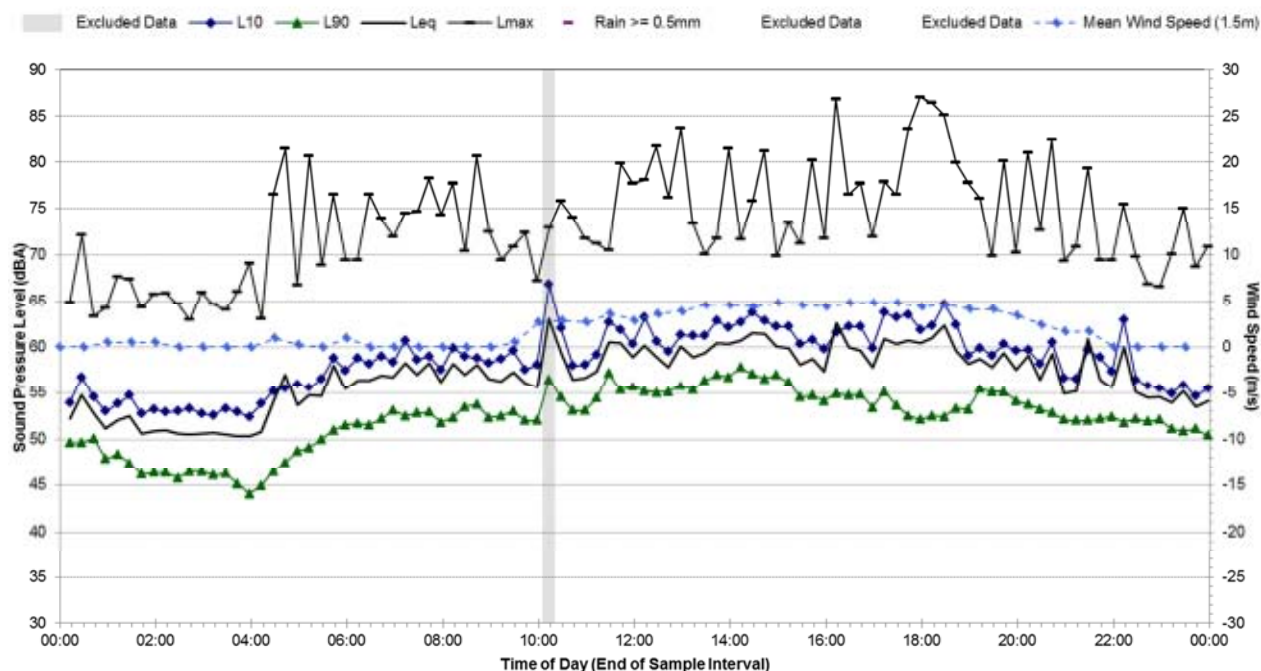
A2.1 - Thursday, 14 February 2013



A2 Ambient Noise Monitoring Results

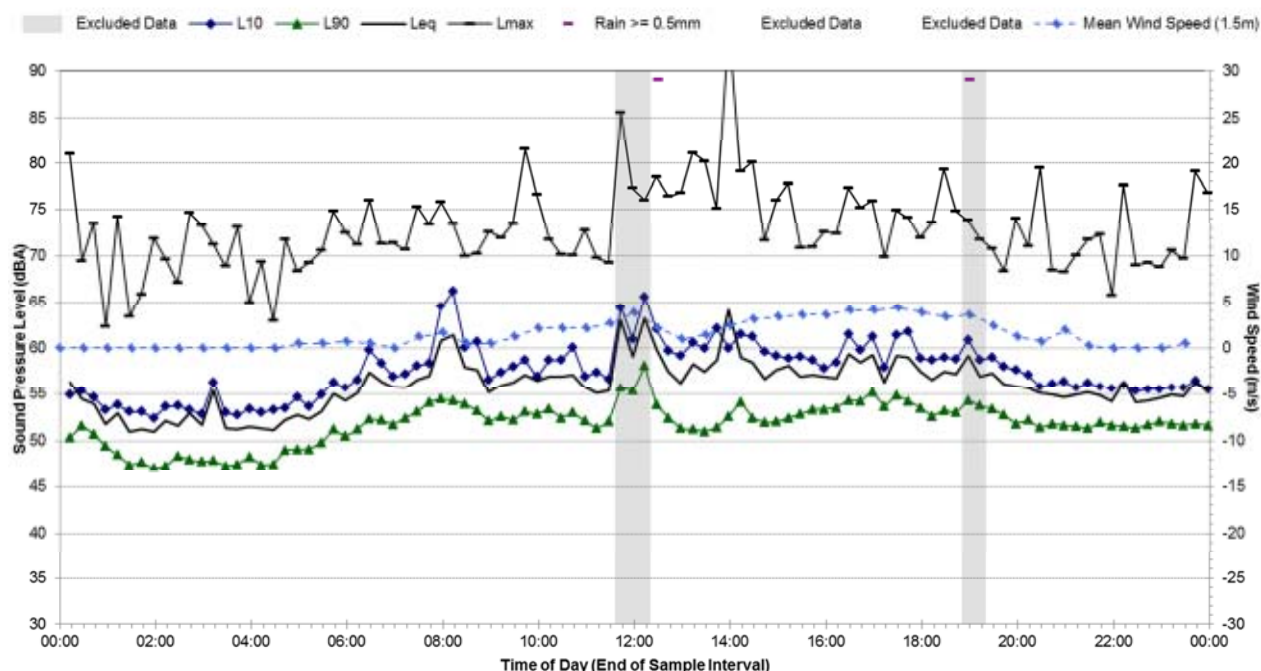
Statistical Ambient Noise Levels

A2.1 - Friday, 15 February 2013



Statistical Ambient Noise Levels

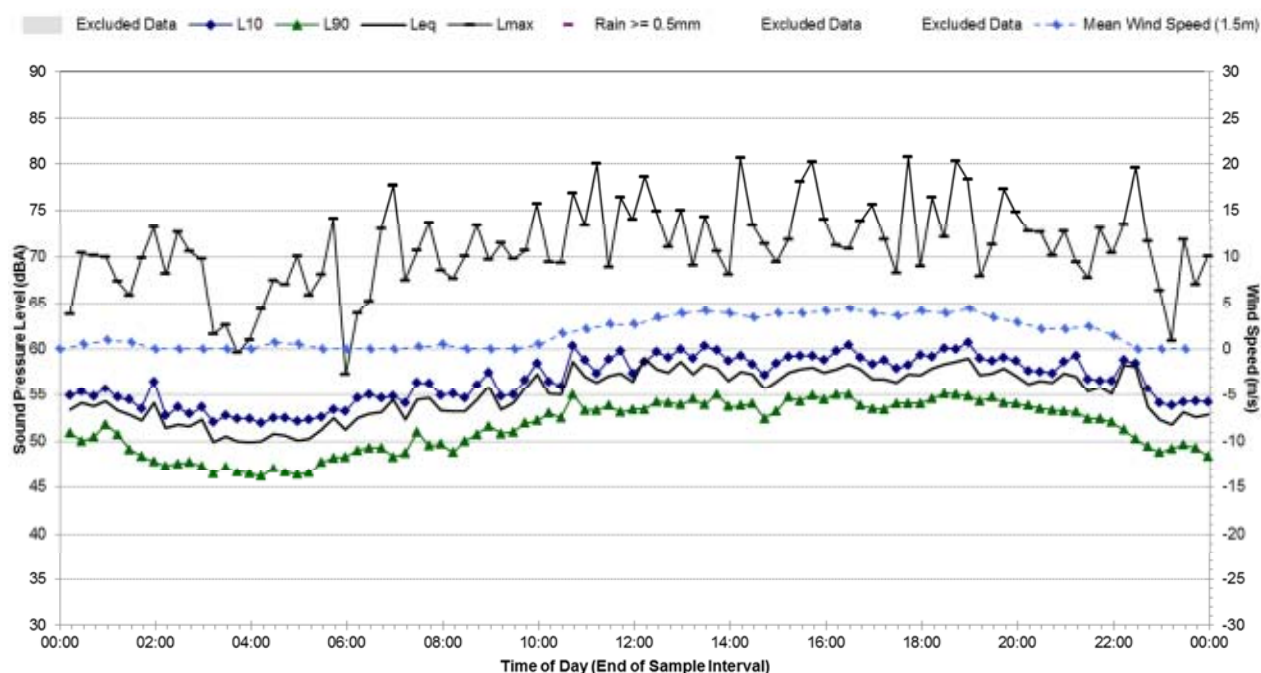
A2.1 - Saturday, 16 February 2013



A2 Ambient Noise Monitoring Results

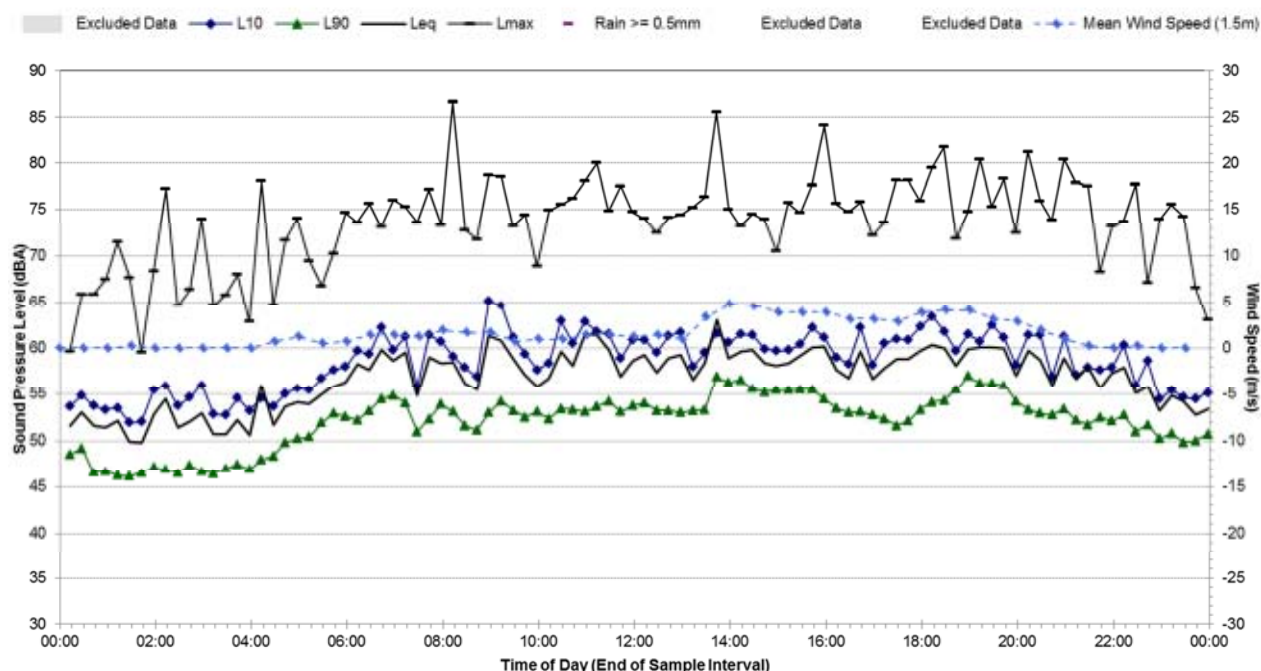
Statistical Ambient Noise Levels

A2.1 - Sunday, 17 February 2013



Statistical Ambient Noise Levels

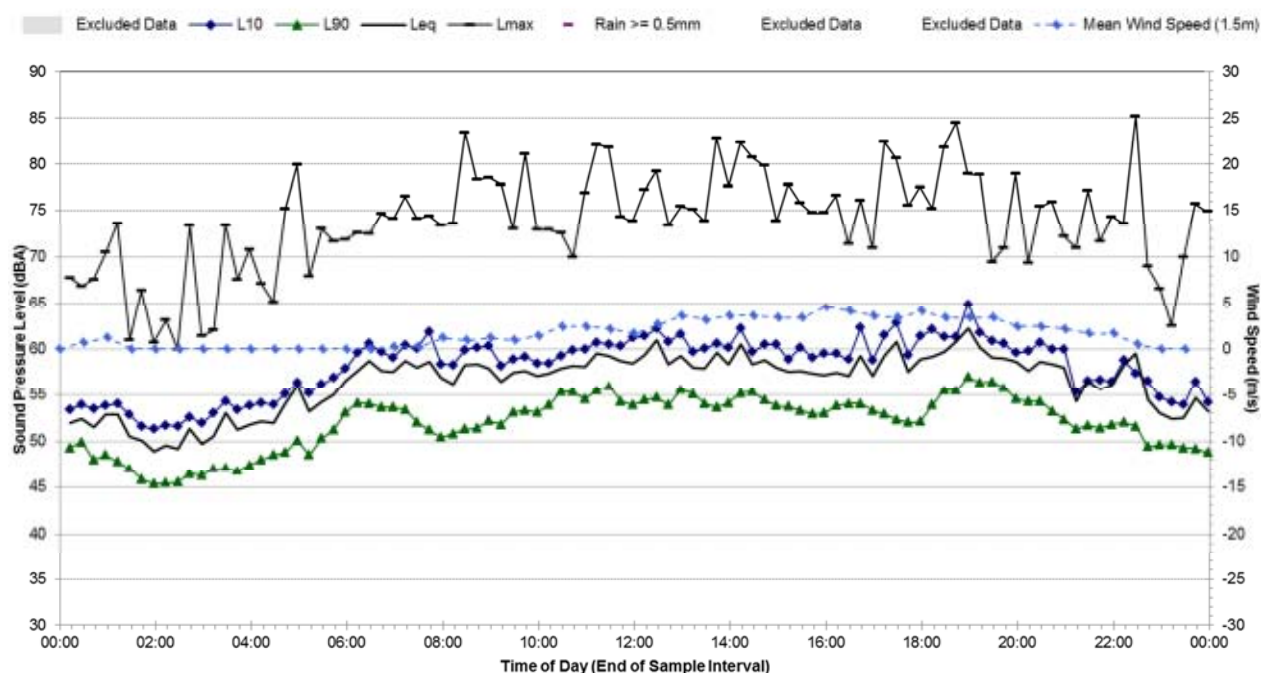
A2.1 - Monday, 18 February 2013



A2 Ambient Noise Monitoring Results

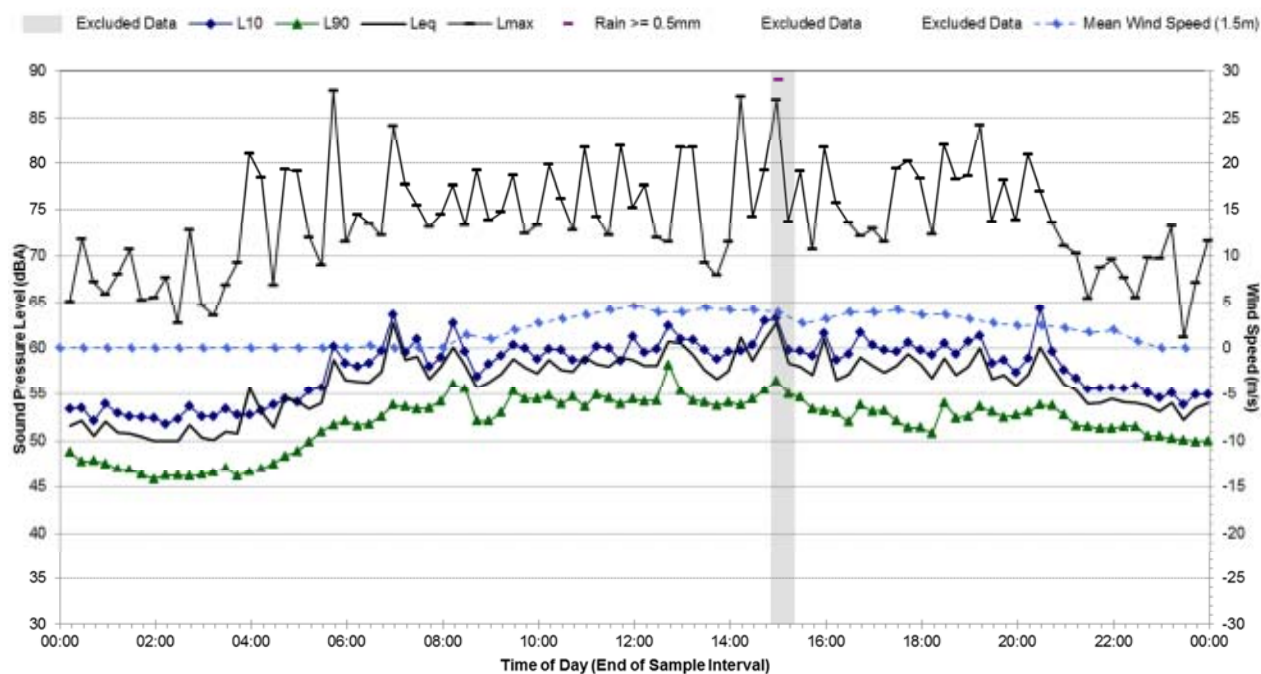
Statistical Ambient Noise Levels

A2.1 - Tuesday, 19 February 2013



Statistical Ambient Noise Levels

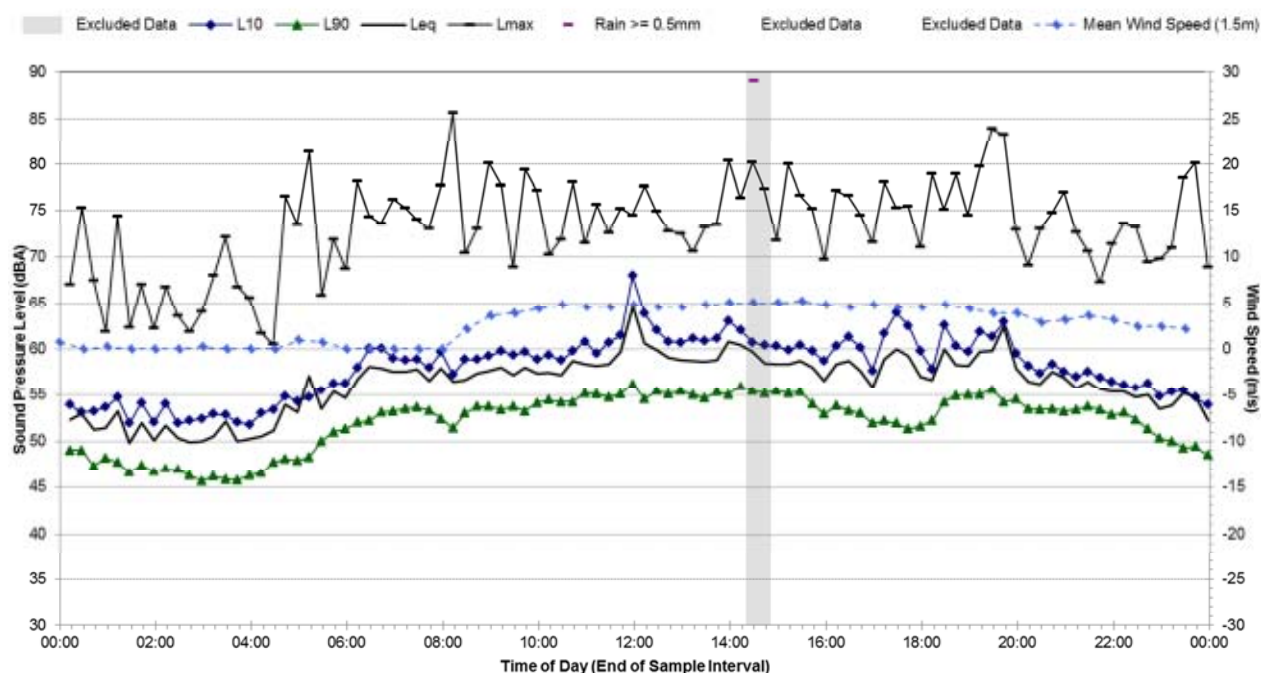
A2.1 - Wednesday, 20 February 2013



A2 Ambient Noise Monitoring Results

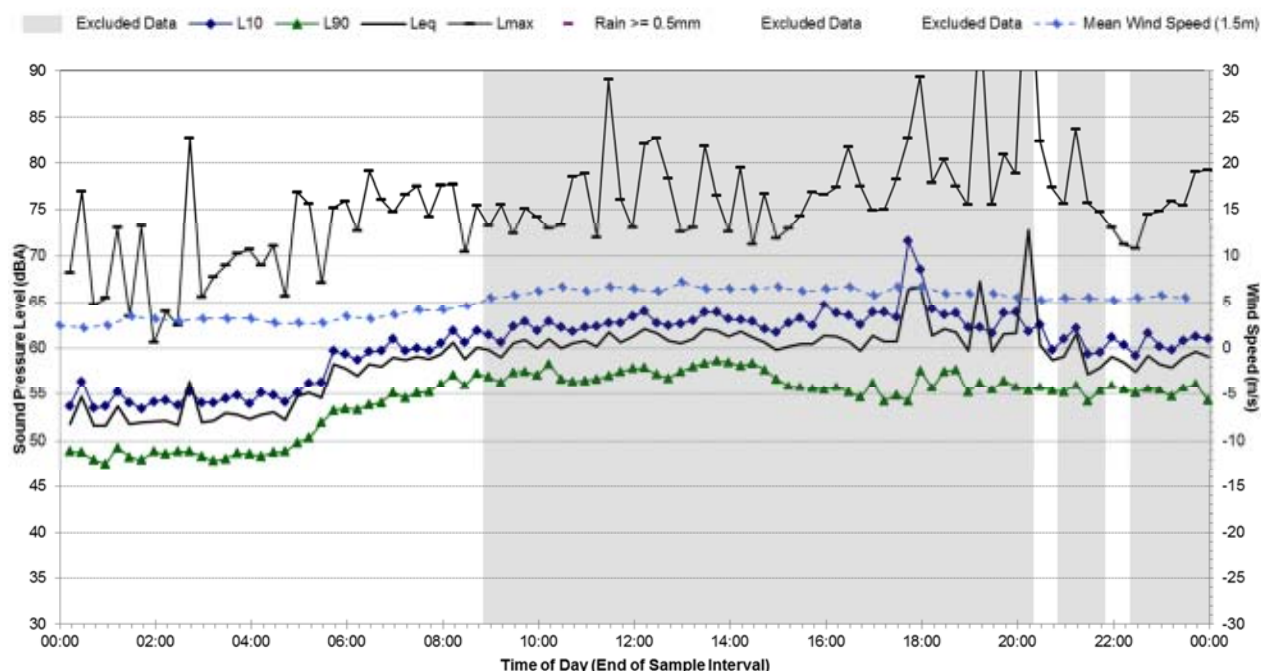
Statistical Ambient Noise Levels

A2.1 - Thursday, 21 February 2013



Statistical Ambient Noise Levels

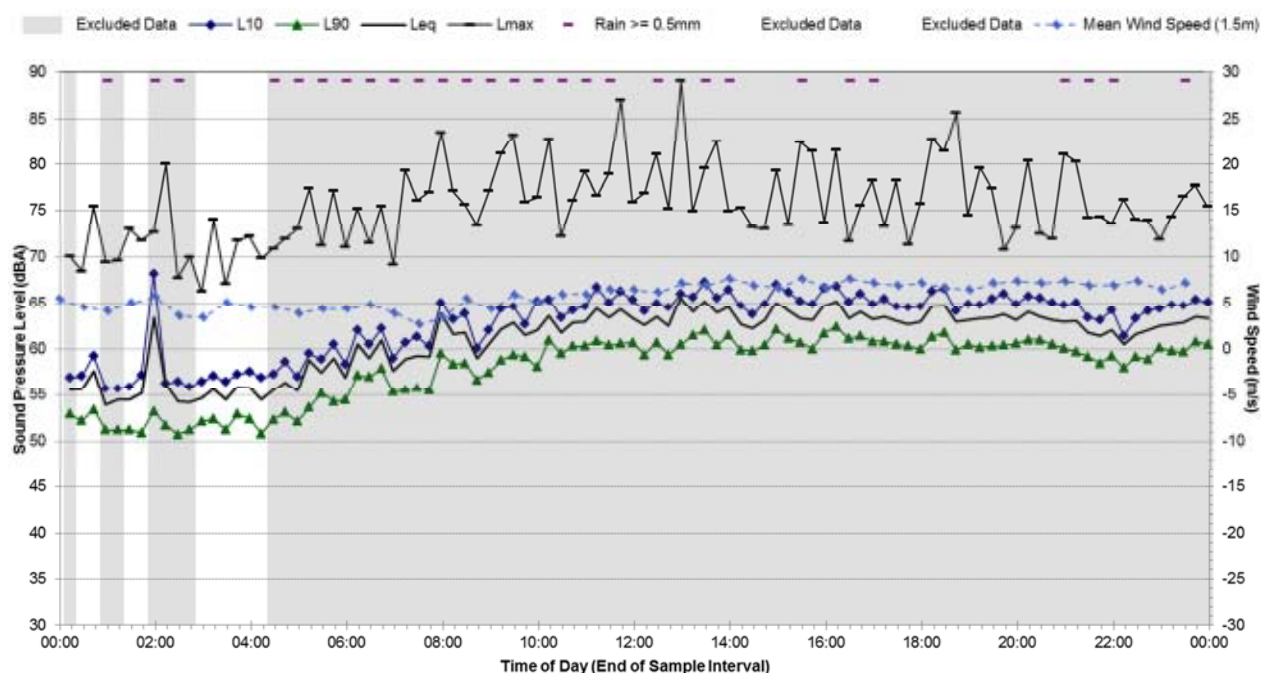
A2.1 - Friday, 22 February 2013



A2 Ambient Noise Monitoring Results

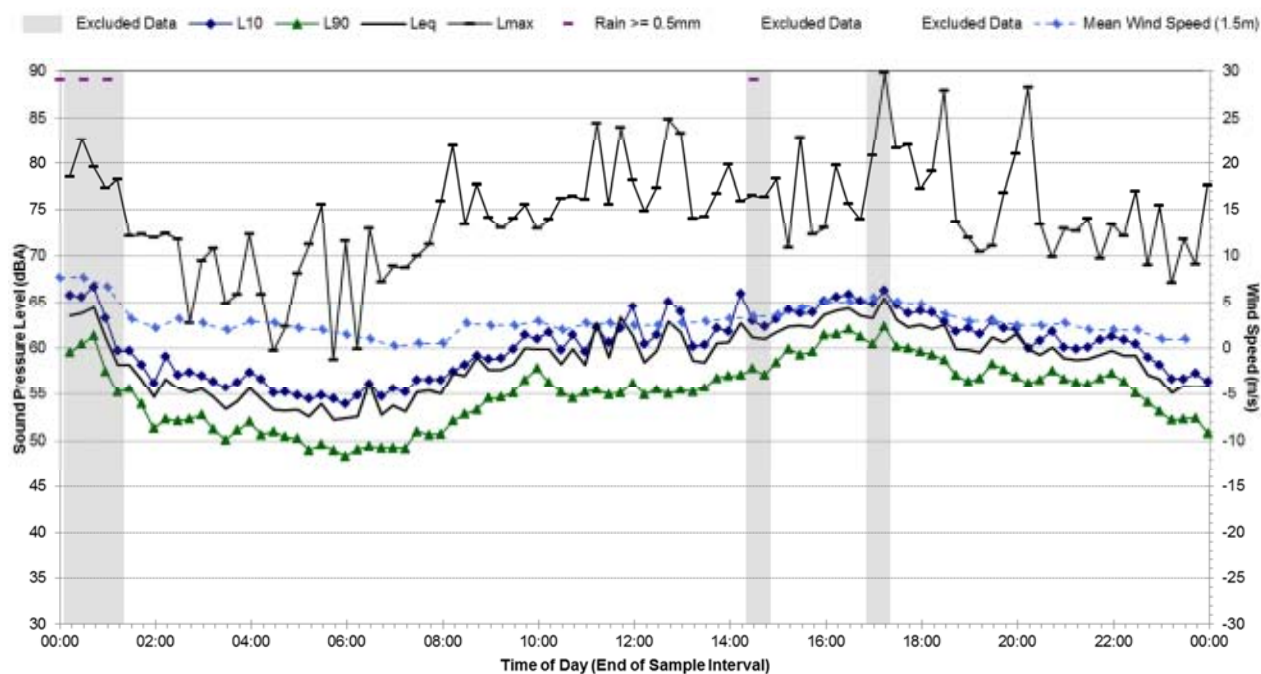
Statistical Ambient Noise Levels

A2.1 - Saturday, 23 February 2013



Statistical Ambient Noise Levels

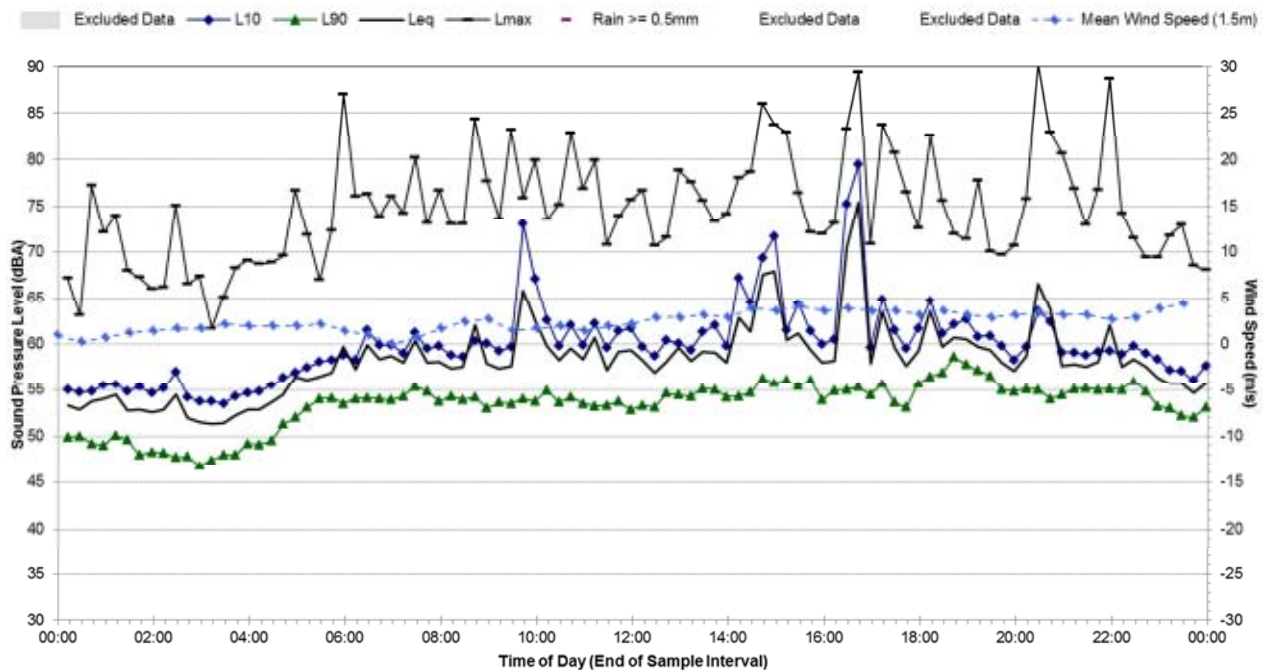
A2.1 - Sunday, 24 February 2013



A2 Ambient Noise Monitoring Results

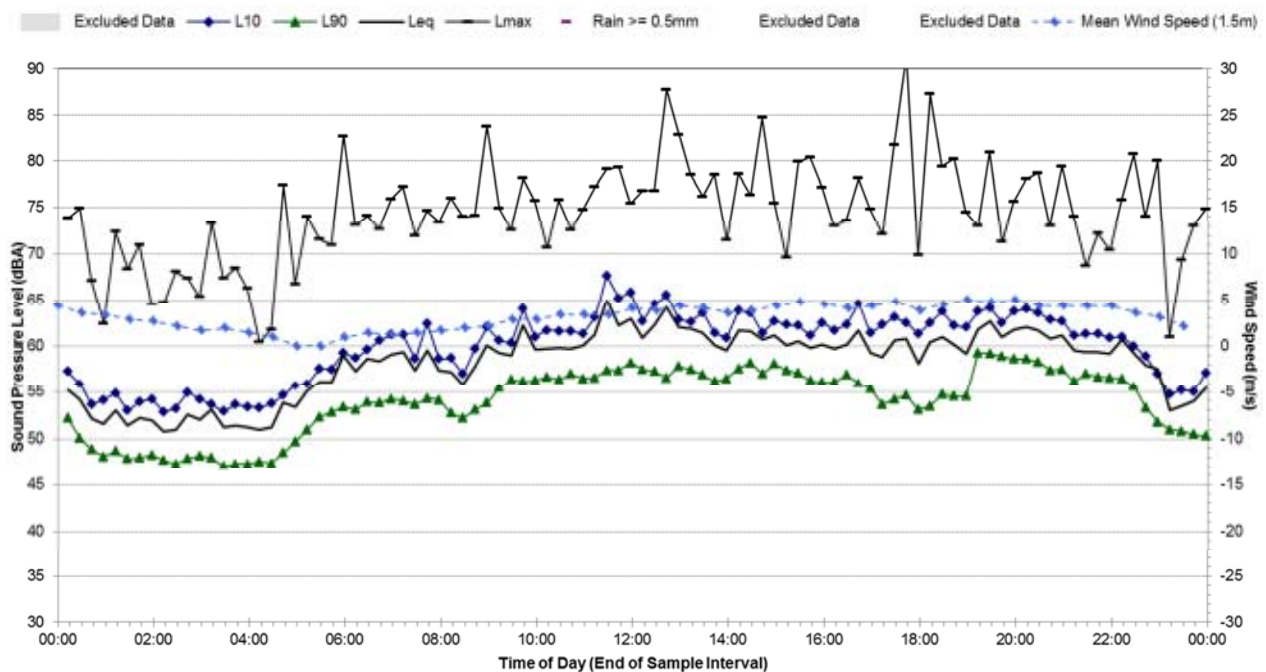
Statistical Ambient Noise Levels

A2.1 - Monday, 25 February 2013



Statistical Ambient Noise Levels

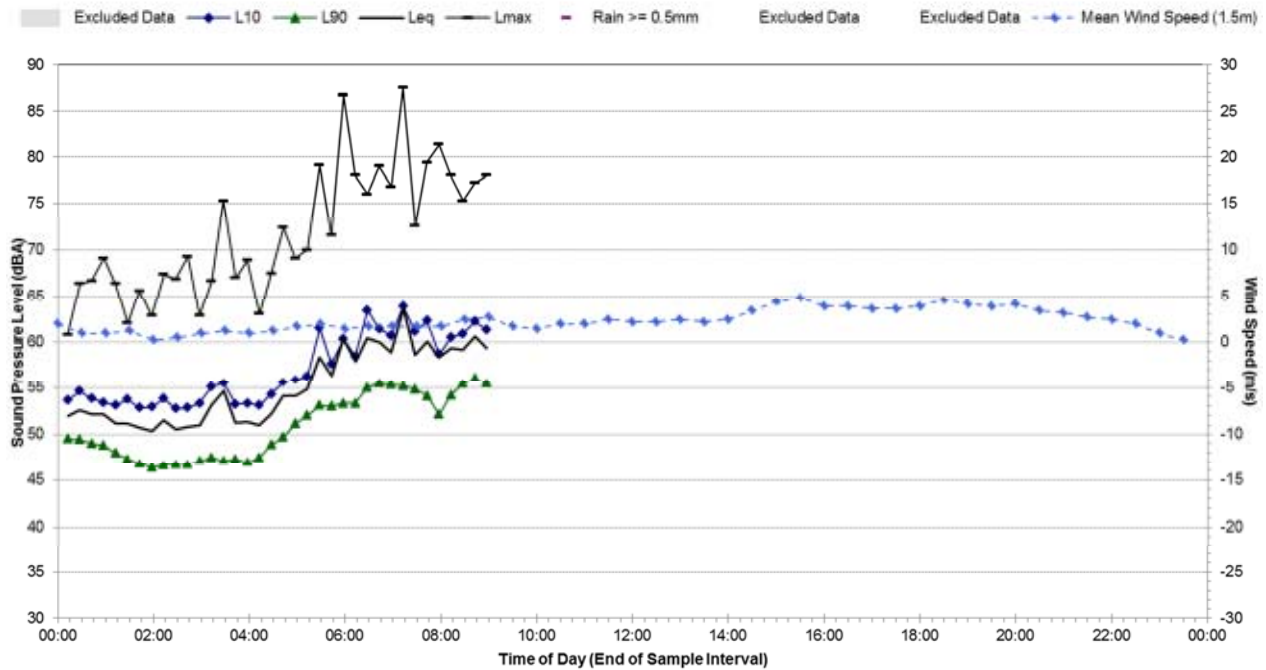
A2.1 - Tuesday, 26 February 2013



A2 Ambient Noise Monitoring Results

Statistical Ambient Noise Levels

A2.1 - Wednesday, 27 February 2013



A2 Ambient Noise Monitoring Results

Noise Monitoring Location: A2.2

Noise Monitoring Address: 8 Spritz Avenue, Newington

Logger Device Type: Svantek 957

Logger Serial No: 27523

Ambient noise logger deployed immediately outside residential address 8 Spritz Avenue, Newington. Logger located in yard on south eastern side of property.

Attended noise measurements indicate the ambient noise environment at this location is dominated by road traffic noise from the M4. Near continuous tyre-pavement noise from light-vehicle traffic on the M4 was observed at this location. Heavy vehicle traffic noise was also audible at this location.

Recorded Noise Levels (LAmax):
M4 Light-vehicle road traffic: typically 58-60 dBA, M4 Heavy-vehicle road traffic: 60-63 dBA, Birds: 68 dBA, Air Traffic: 62-64 dBA, Insects: ~58 dBA (intermittent)

Ambient Noise Logging Results – ICNG Defined Time Periods

Monitoring Period	Noise Level (dBA)			
	RBL	LAeq	L10	L1
Daytime	56	62	62	64
Evening	56	61	62	64
Night-time	53	59	60	62

Ambient Noise Logging Results – RNP Defined Time Periods

Monitoring Period	Noise Level (dBA)		
	Weekday LAeq(Period)	Weekend LAeq(Period)	Weekly LAeq(Period)
Number of Valid Days	10	3	N/A (7 Day Average)
Daytime (7am-10pm)	61	63	62
Night-time (10pm-7am)	59	60	59

Attended Noise Measurement Results

Date	Start Time	Measured Noise Level (dBA)		
		LA90	LAeq	LAmix
12/03/2013	15:00	58	60	68

Map of Noise Monitoring Location

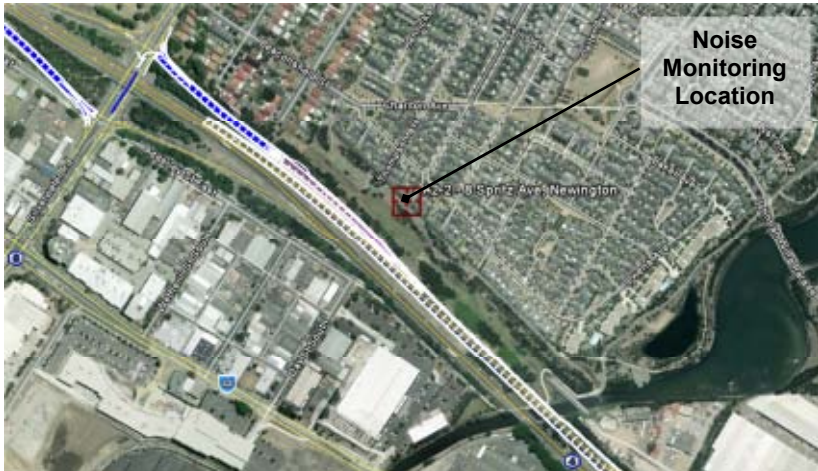



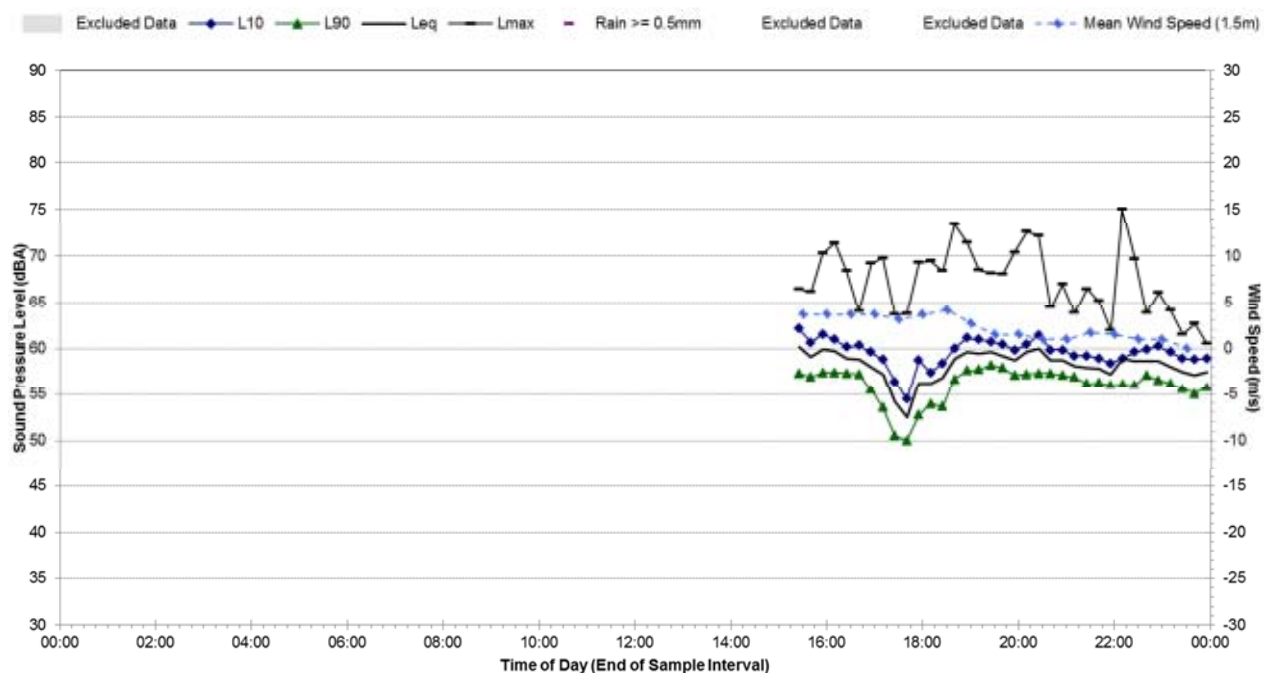
Photo of Noise Monitoring Location



A2 Ambient Noise Monitoring Results

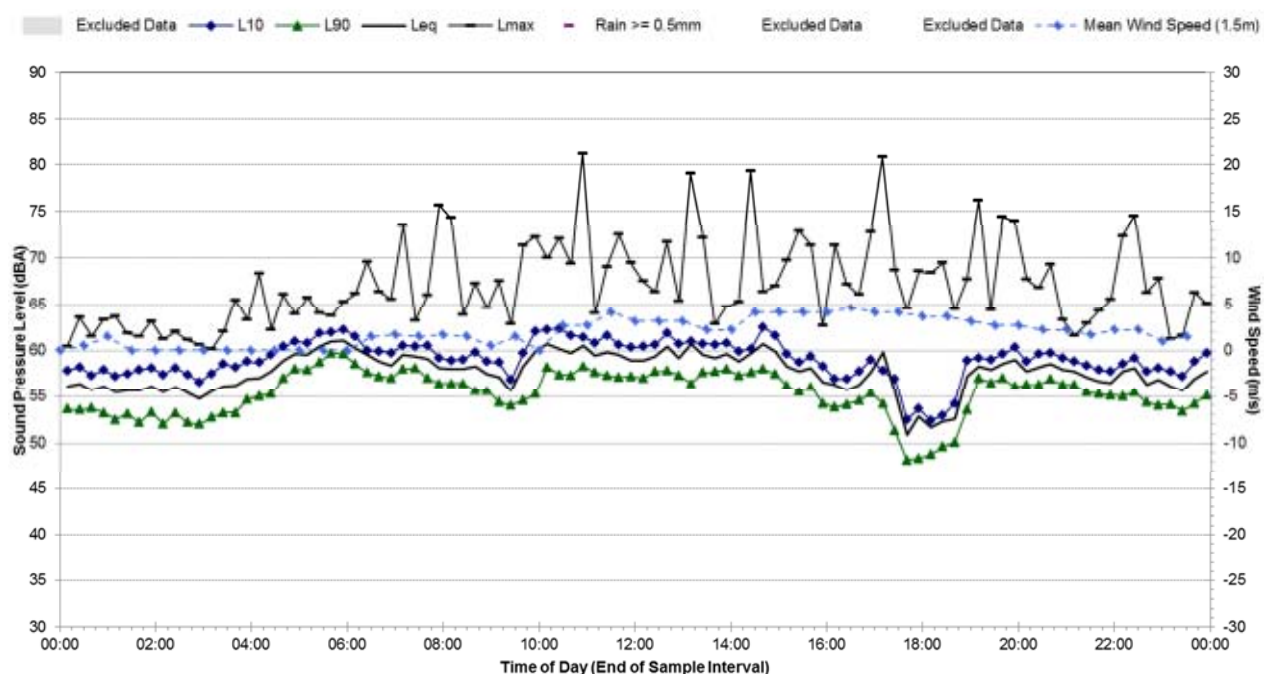
Statistical Ambient Noise Levels

A2.2 - Tuesday, 12 March 2013



Statistical Ambient Noise Levels

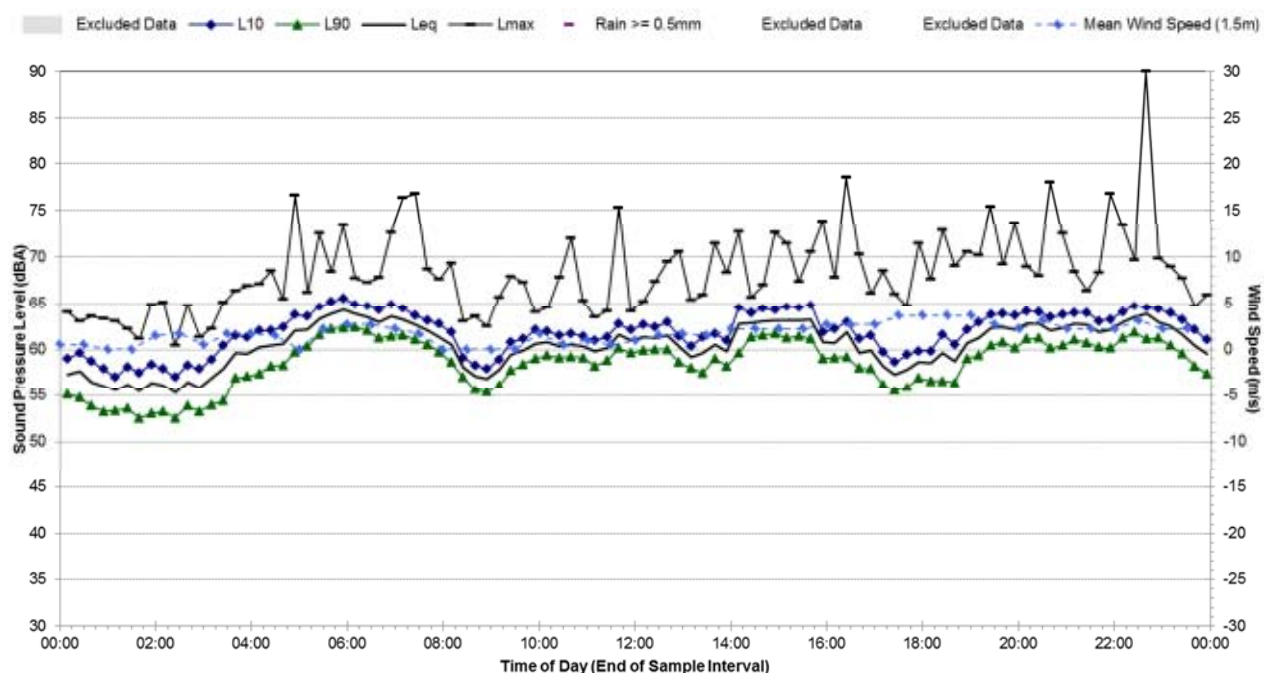
A2.2 - Wednesday, 13 March 2013



A2 Ambient Noise Monitoring Results

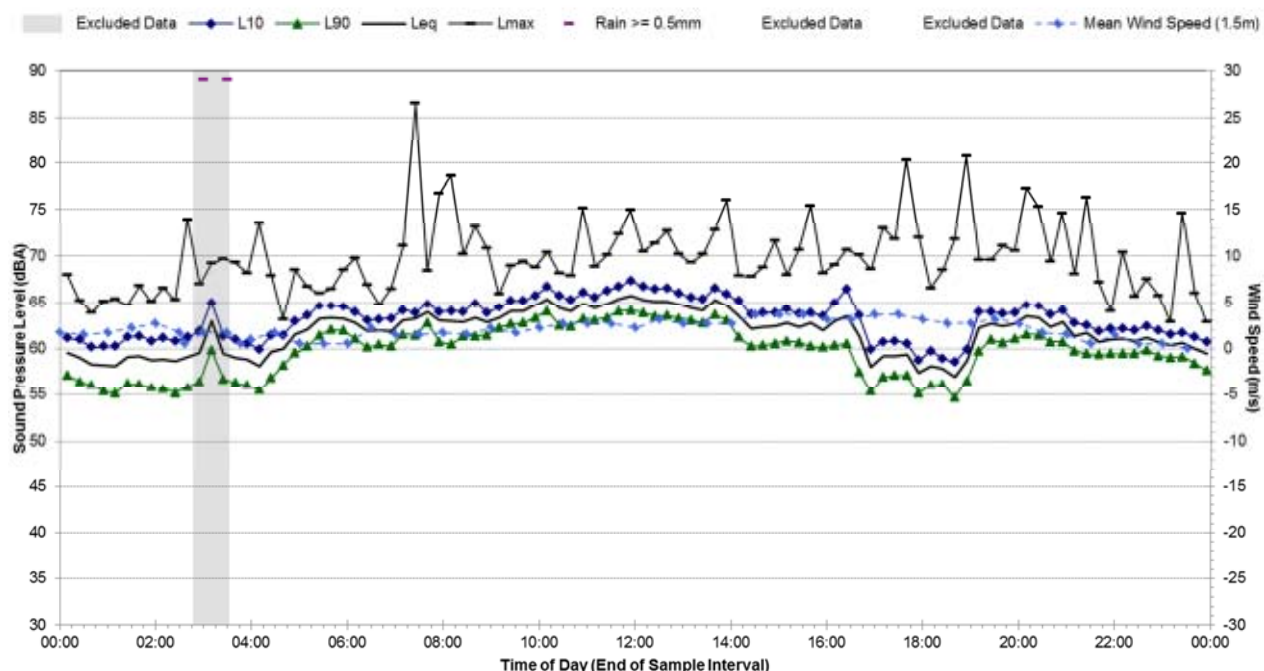
Statistical Ambient Noise Levels

A2.2 - Thursday, 14 March 2013



Statistical Ambient Noise Levels

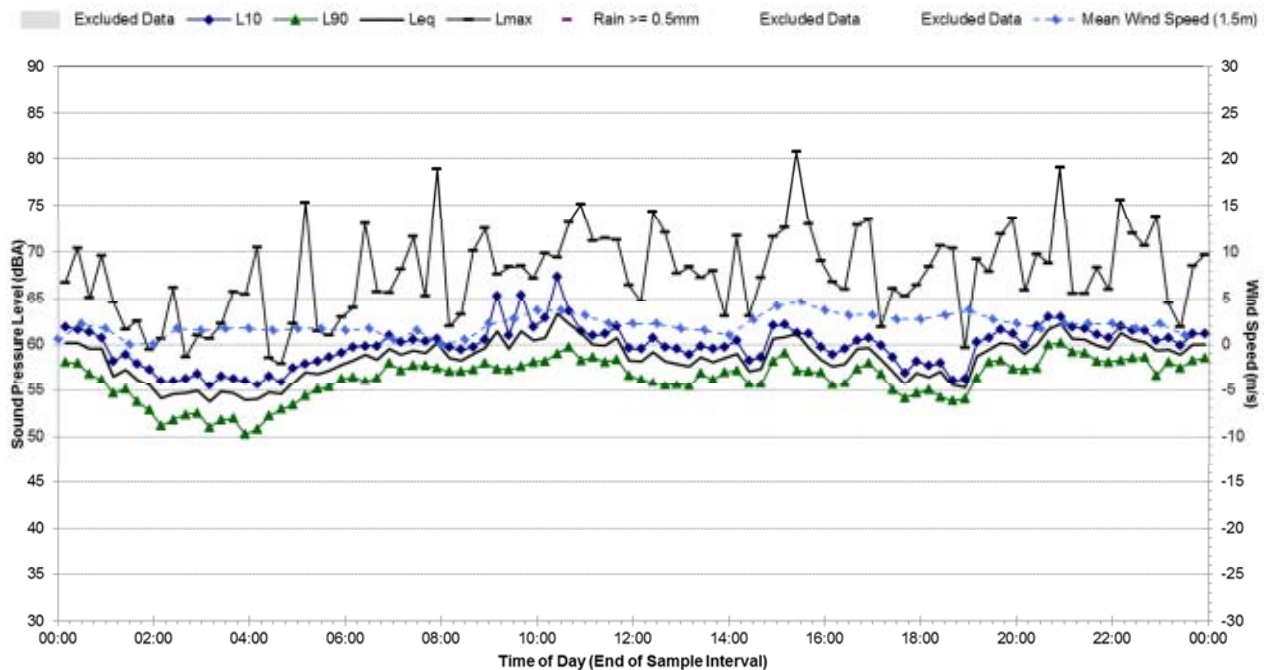
A2.2 - Friday, 15 March 2013



A2 Ambient Noise Monitoring Results

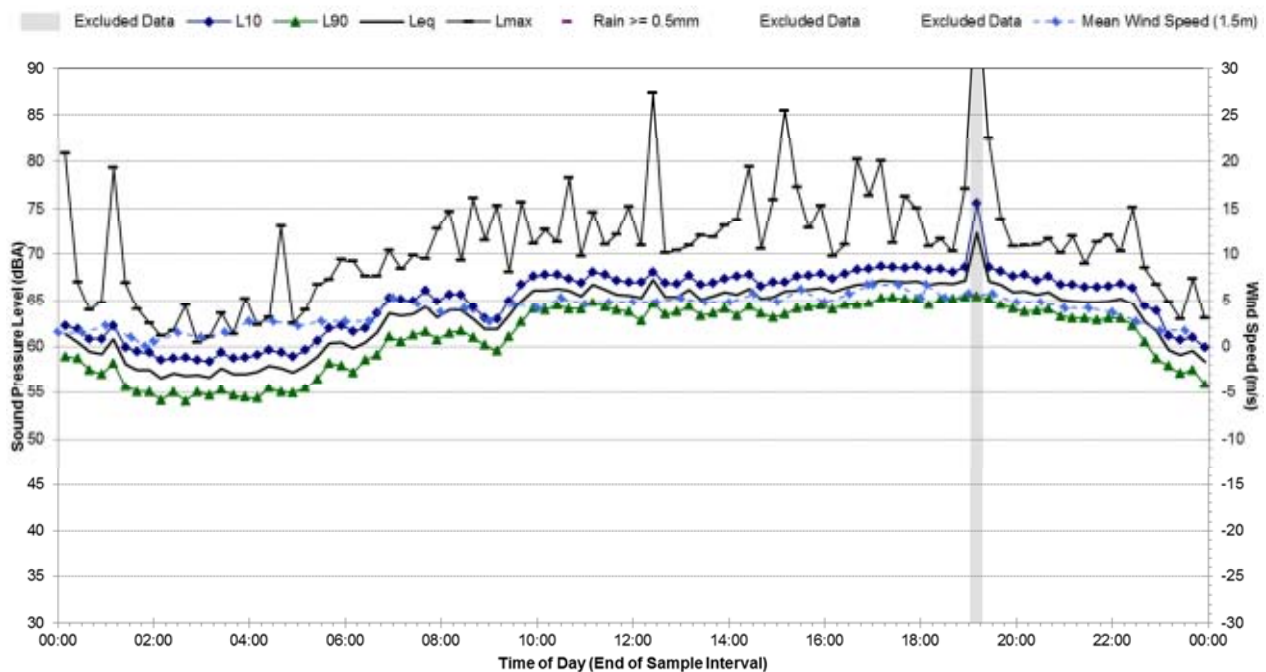
Statistical Ambient Noise Levels

A2.2 - Saturday, 16 March 2013



Statistical Ambient Noise Levels

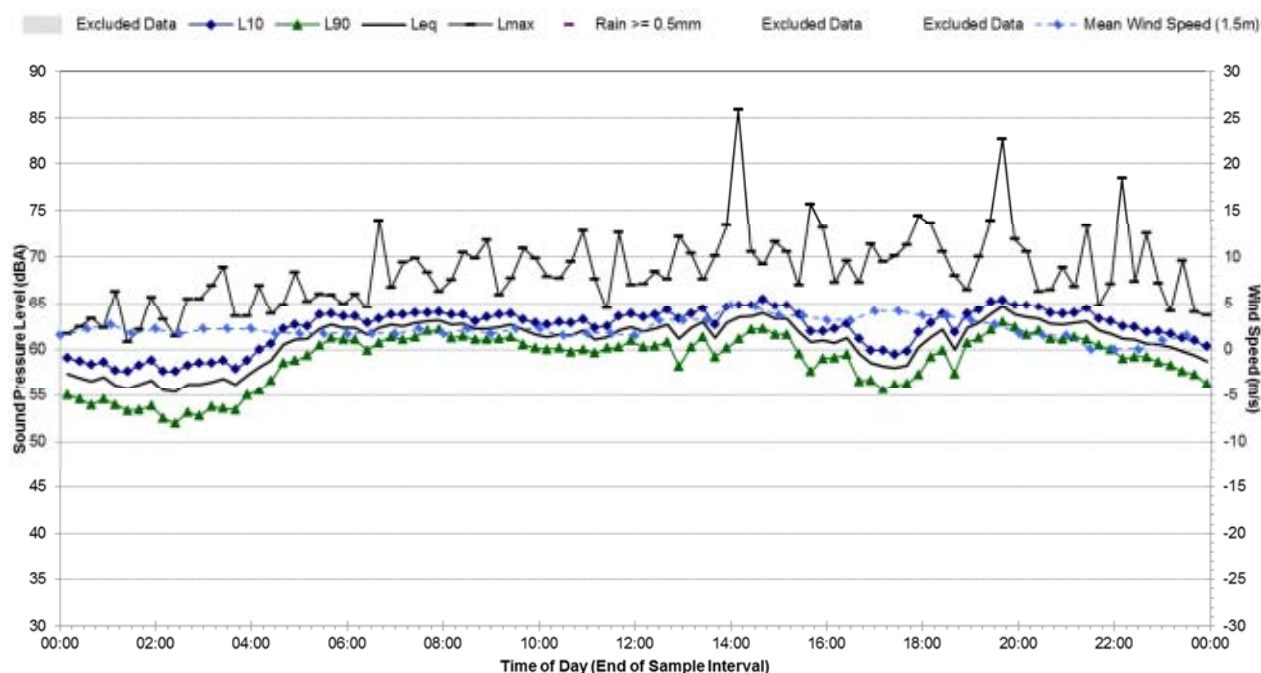
A2.2 - Sunday, 17 March 2013



A2 Ambient Noise Monitoring Results

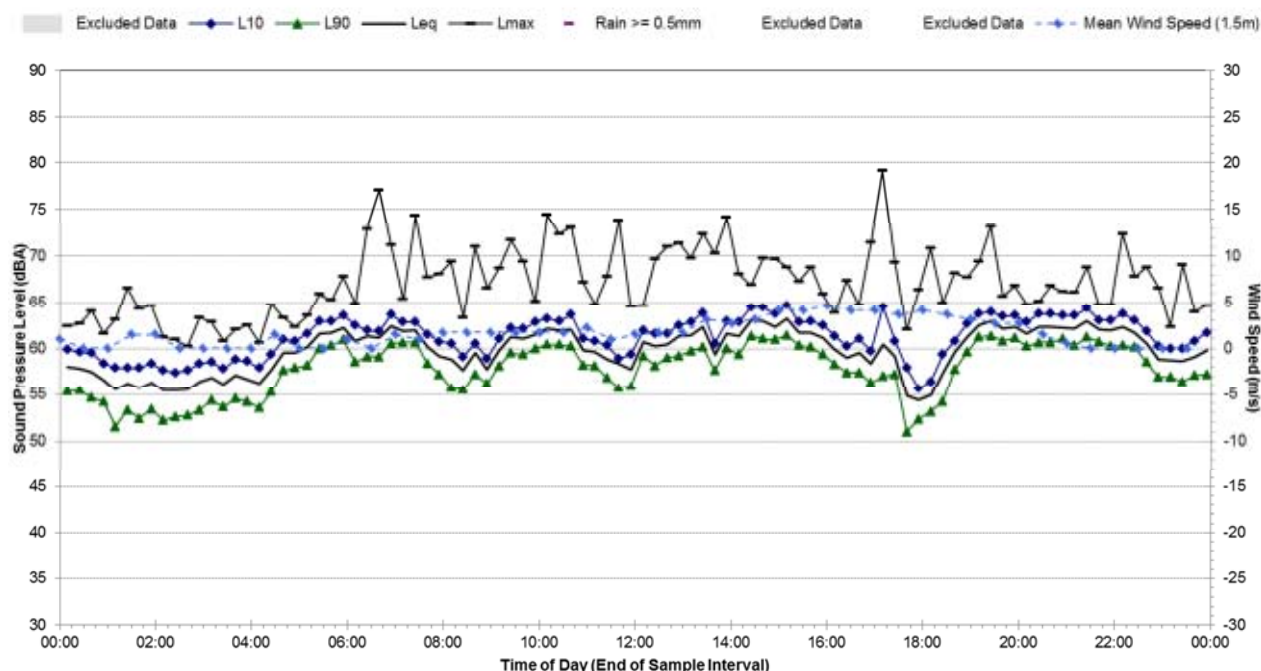
Statistical Ambient Noise Levels

A2.2 - Monday, 18 March 2013



Statistical Ambient Noise Levels

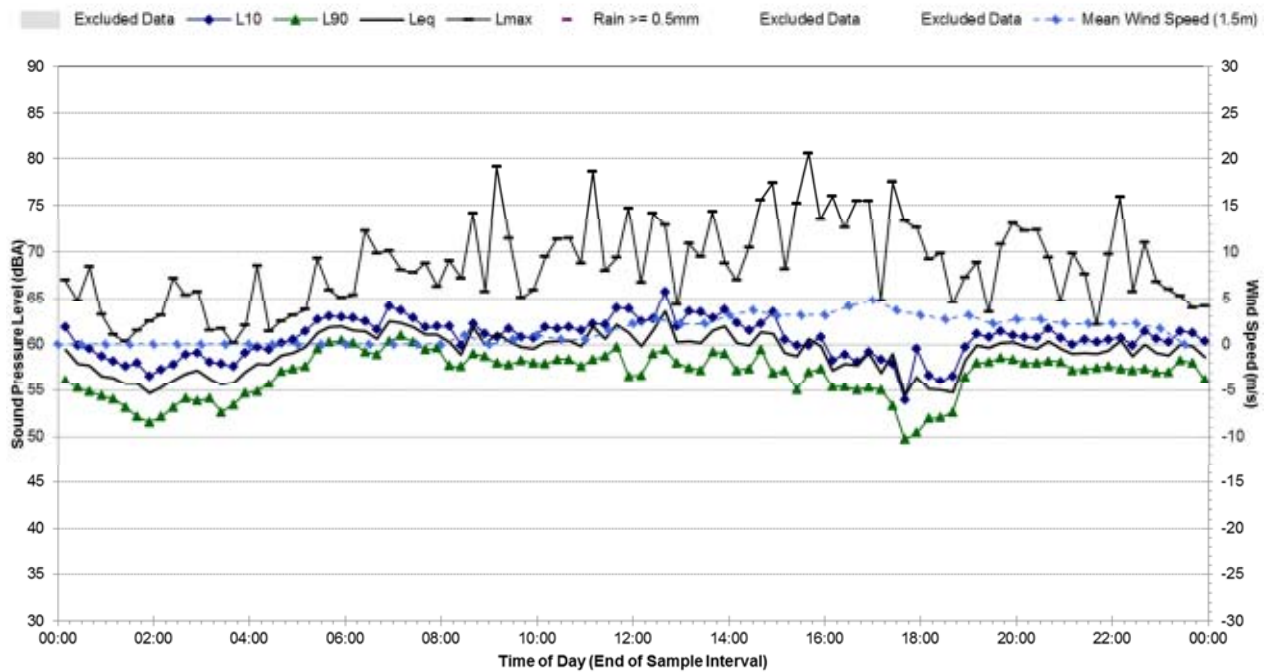
A2.2 - Tuesday, 19 March 2013



A2 Ambient Noise Monitoring Results

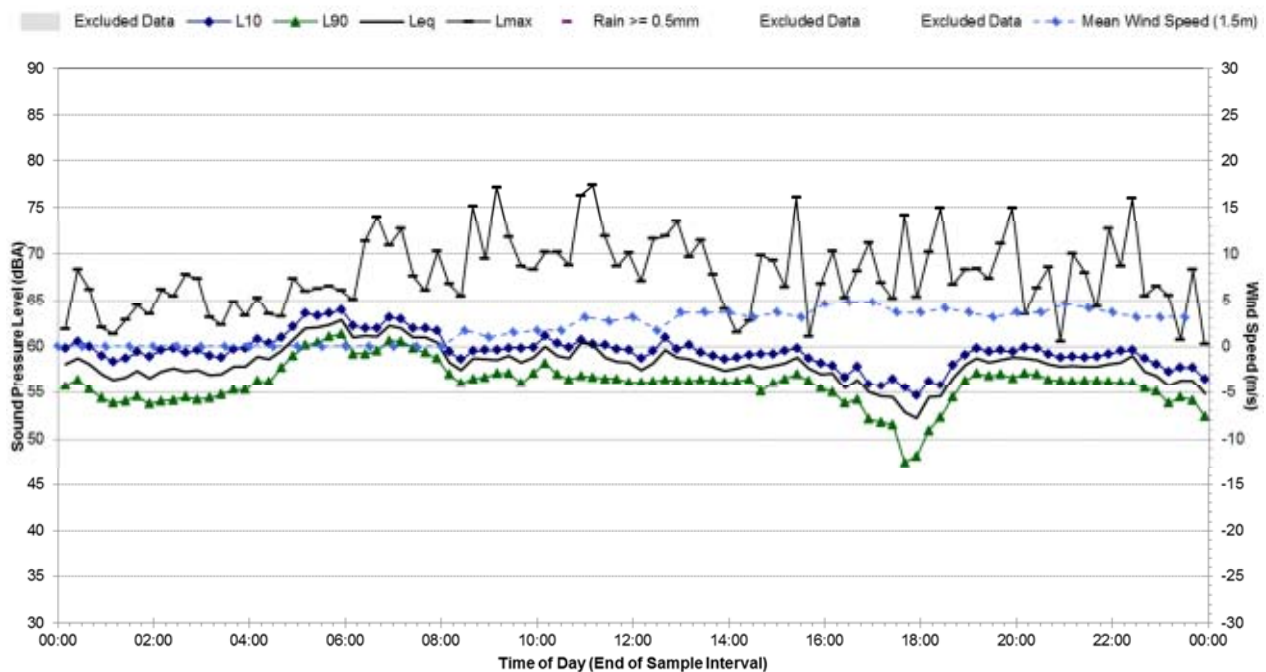
Statistical Ambient Noise Levels

A2.2 - Wednesday, 20 March 2013



Statistical Ambient Noise Levels

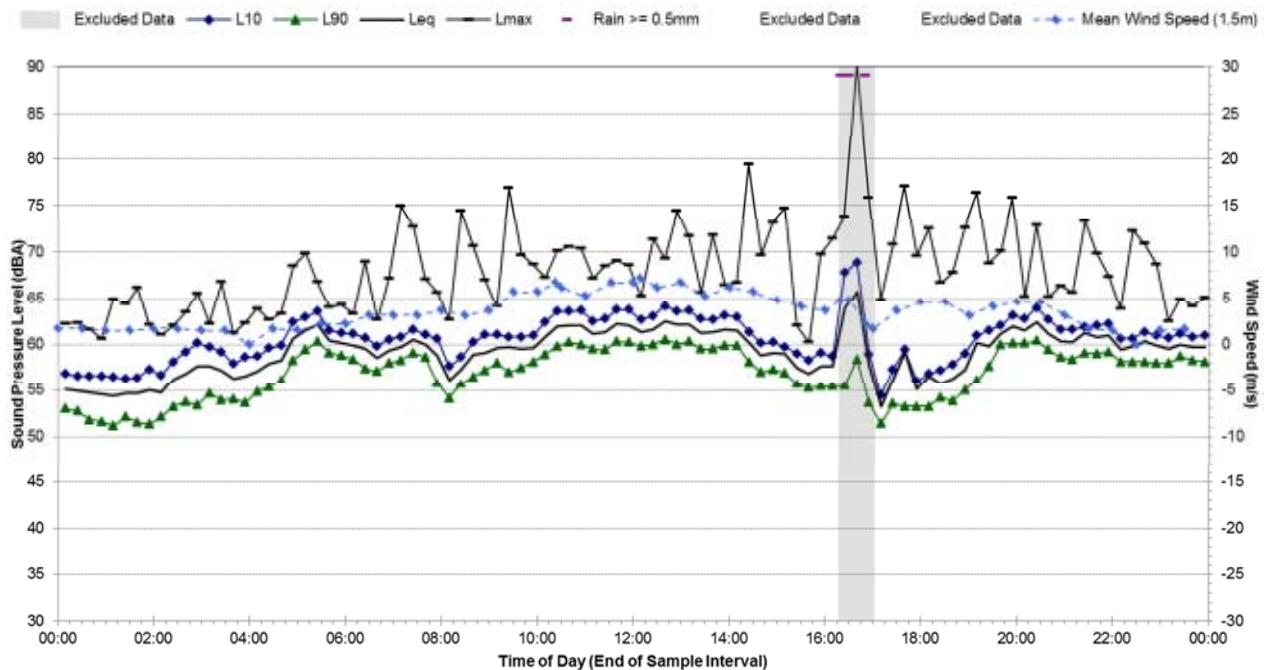
A2.2 - Thursday, 21 March 2013



A2 Ambient Noise Monitoring Results

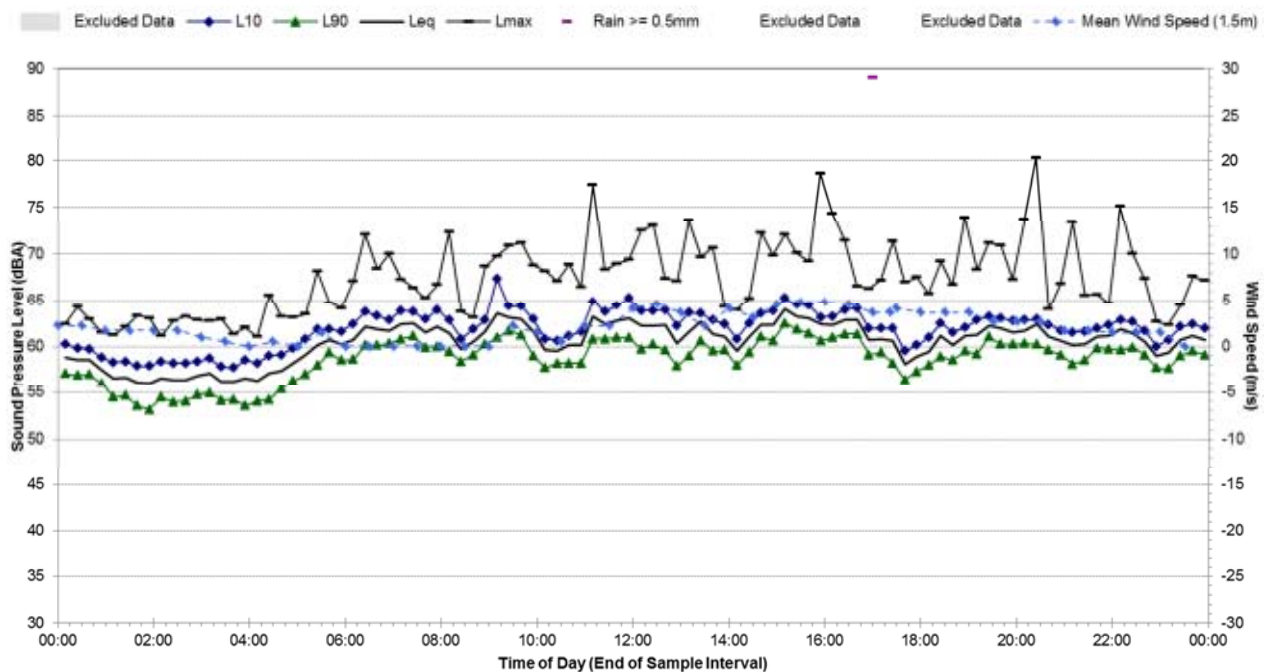
Statistical Ambient Noise Levels

A2.2 - Friday, 22 March 2013



Statistical Ambient Noise Levels

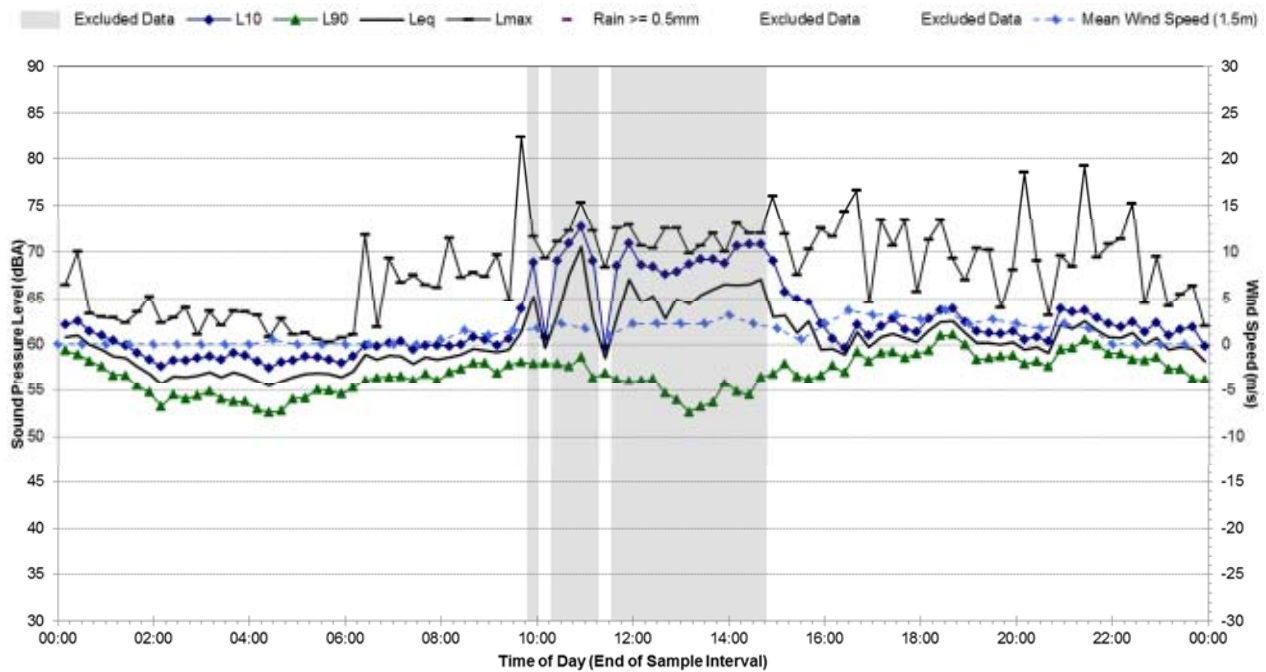
A2.2 - Saturday, 23 March 2013



A2 Ambient Noise Monitoring Results

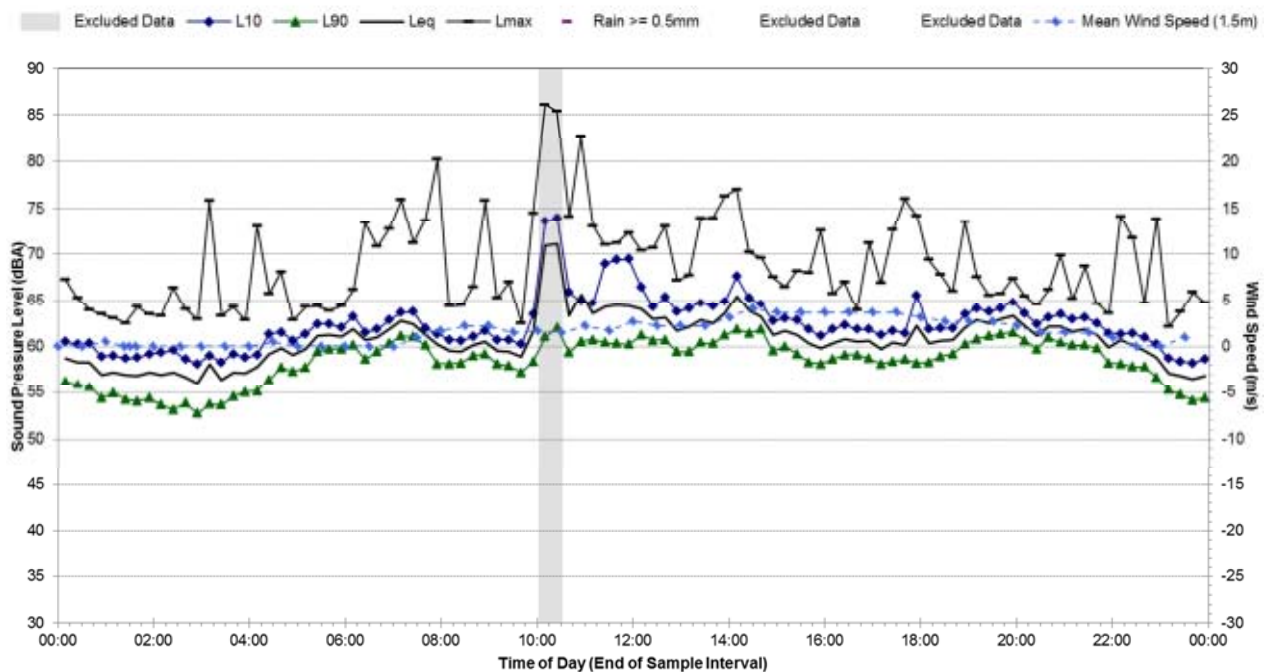
Statistical Ambient Noise Levels

A2.2 - Sunday, 24 March 2013



Statistical Ambient Noise Levels

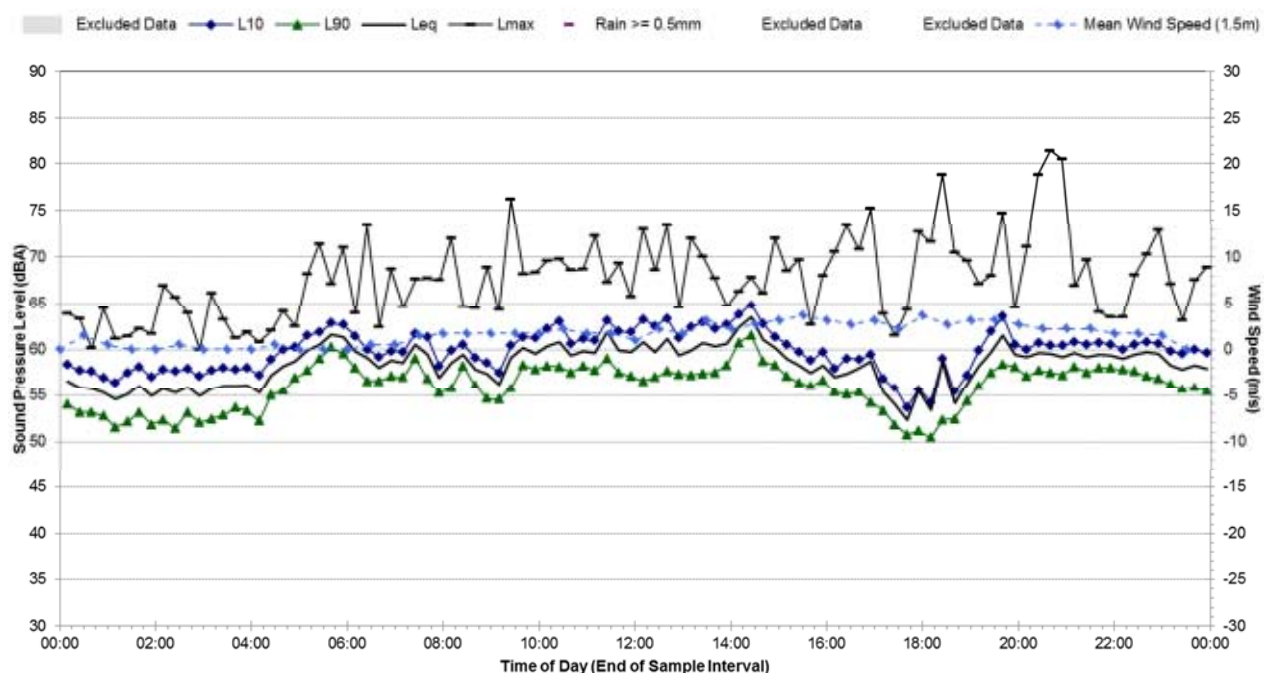
A2.2 - Monday, 25 March 2013



A2 Ambient Noise Monitoring Results

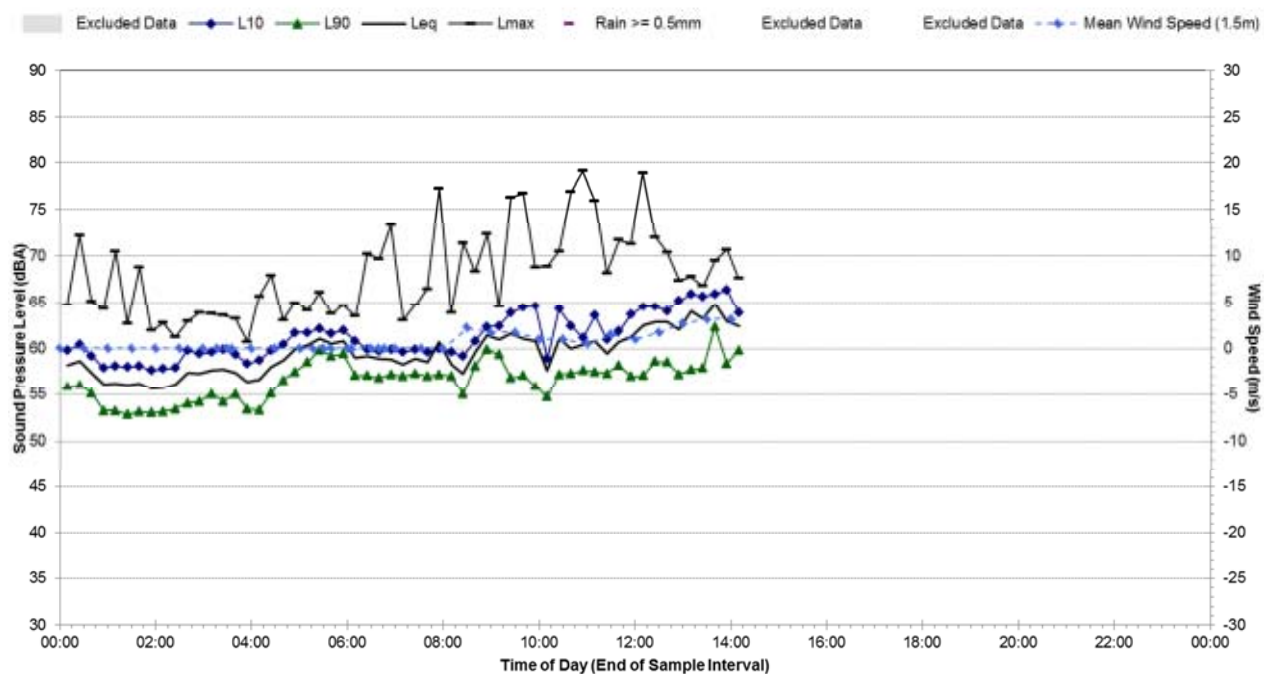
Statistical Ambient Noise Levels

A2.2 - Tuesday, 26 March 2013



Statistical Ambient Noise Levels

A2.2 - Wednesday, 27 March 2013


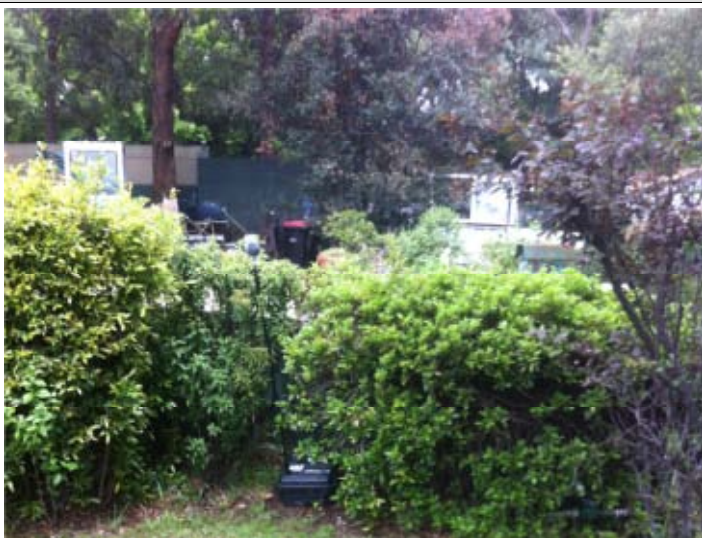


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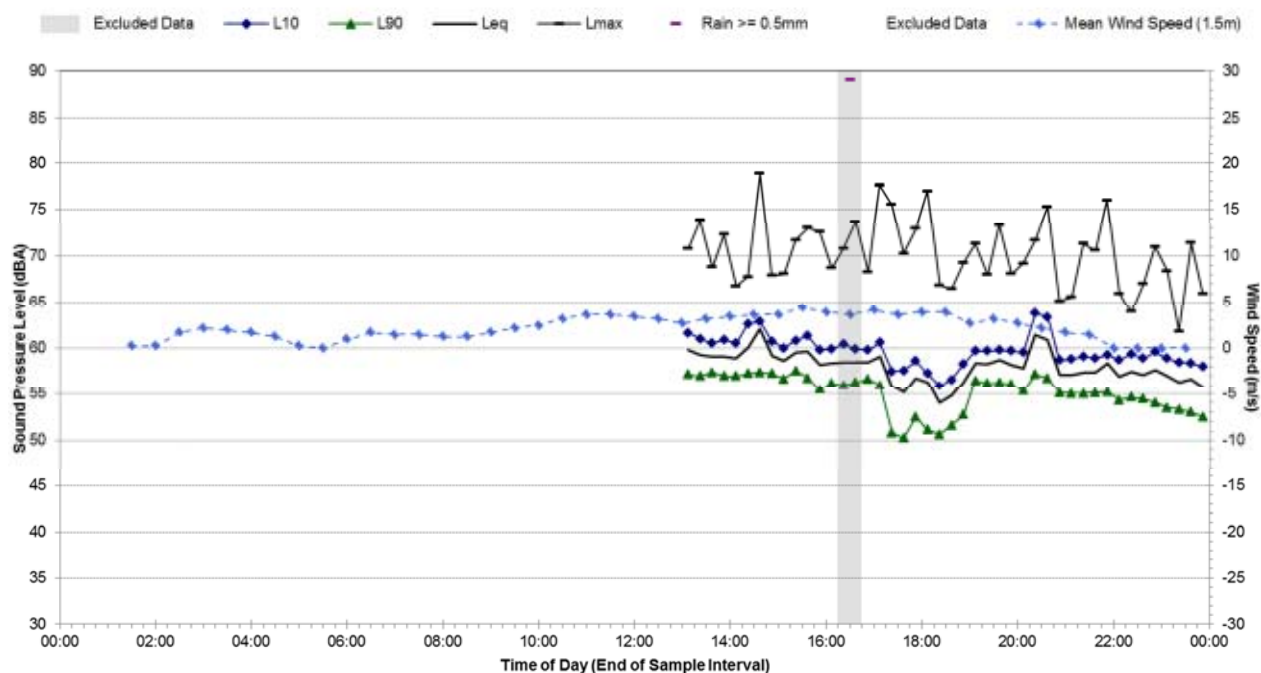
A2 Ambient Noise Monitoring Results

Noise Monitoring Location: A2.3		Map of Noise Monitoring Location		
Noise Monitoring Address: 21 Barker Avenue, Silverwater				
Logger Device Type: Svantek 957				
Logger Serial No: 27523				
Ambient noise logger deployed outside residential address 21 Barker Avenue, Silverwater. Logger located in front yard on southern property boundary.				
Attended noise measurements indicate the ambient noise environment at this location is dominated by road traffic noise from the M4 with significant heavy vehicle noise contributions during the daytime. Near continuous tyre-pavement noise from road traffic on the M4 was observed at this location. Heavy vehicle passbys were audible several times per minute with heavy vehicle Lmax noise levels typically observed to be dominated by truck engine/exhaust.				
Recorded Noise Levels (LAmax): M4 Light-vehicle road traffic: typically 58 dBA, M4 Heavy-vehicle road traffic: 62-73 dBA, Local road traffic: 58-60 dBA				
Ambient Noise Logging Results – ICNG Defined Time Periods		Photo of Noise Monitoring Location		
Monitoring Period	Noise Level (dBA)			
	RBL	LAeq	L10	L1
Daytime	55	59	61	65
Evening	52	58	59	63
Night-time	49	56	57	62
Ambient Noise Logging Results – RNP Defined Time Periods				
Monitoring Period	Noise Level (dBA)			
	Weekday LAeq(Period)			Weekend LAeq(Period)
Number of Valid Days	9			2
Daytime (7am-10pm)	59	58	59	
Night-time (10pm-7am)	56	56	56	
Attended Noise Measurement Results				
Date	Start Time	Measured Noise Level (dBA)		
		LA90	LAeq	LAmix
13/02/2013	12:41	58	60	73

A2 Ambient Noise Monitoring Results

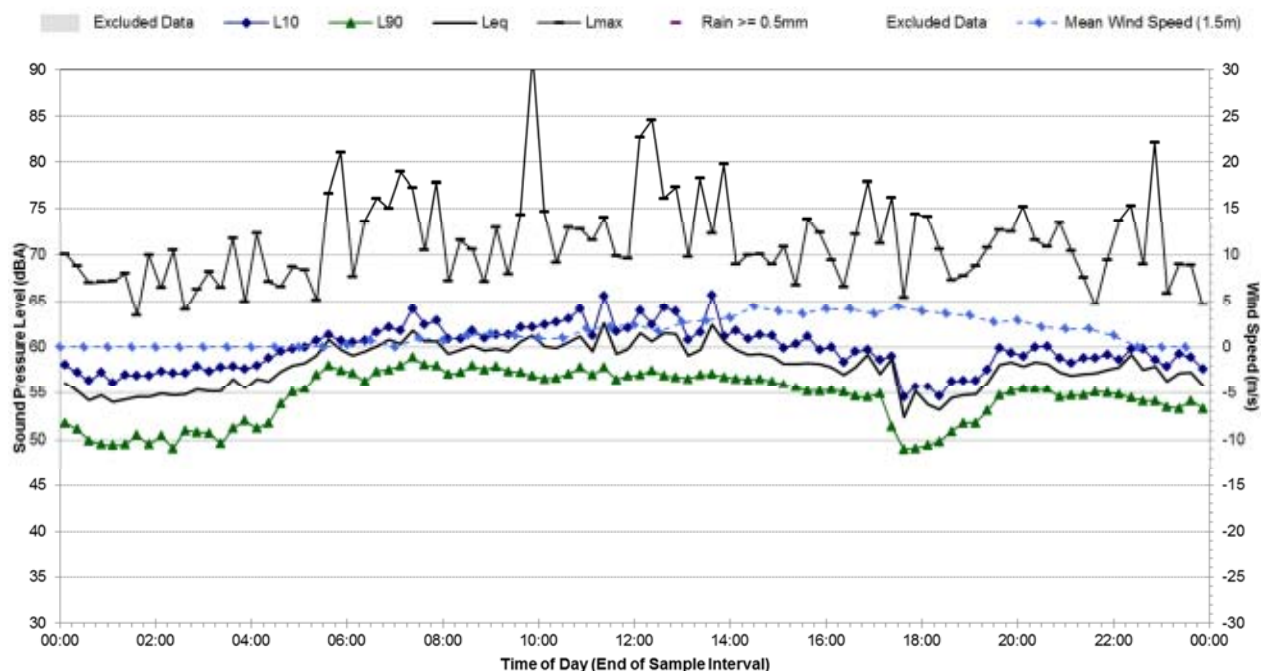
Statistical Ambient Noise Levels

A2.3 - Wednesday, 13 February 2013



Statistical Ambient Noise Levels

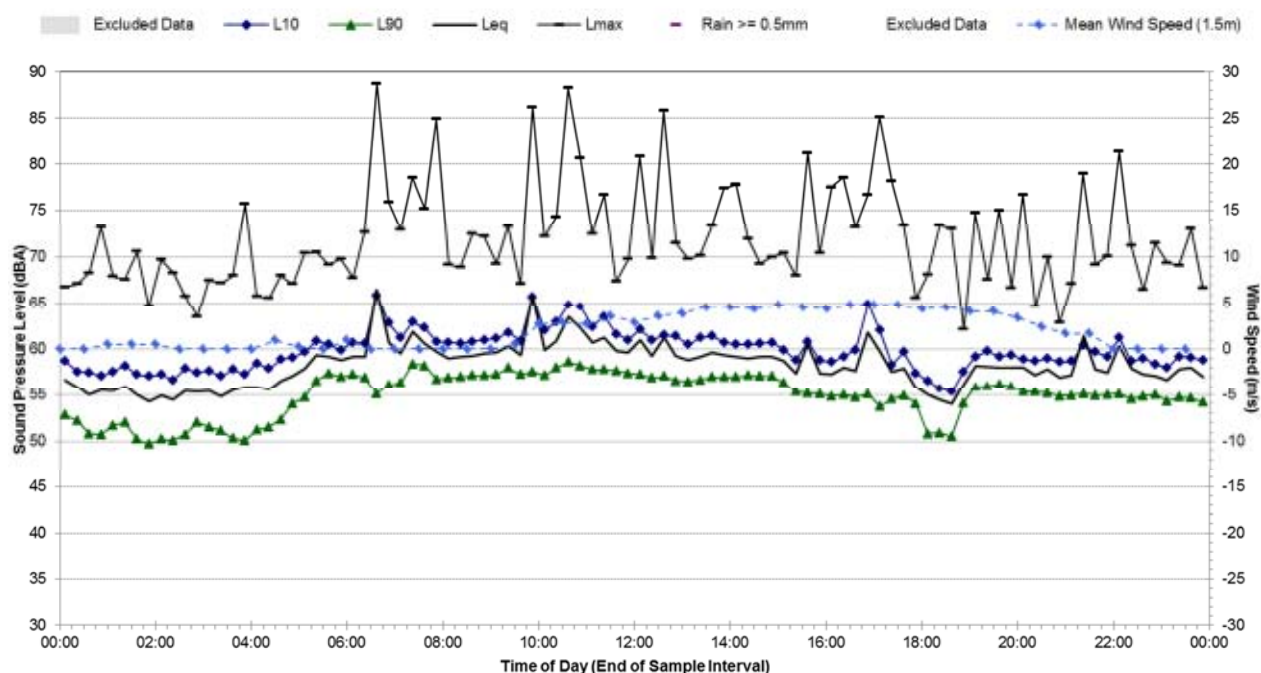
A2.3 - Thursday, 14 February 2013



A2 Ambient Noise Monitoring Results

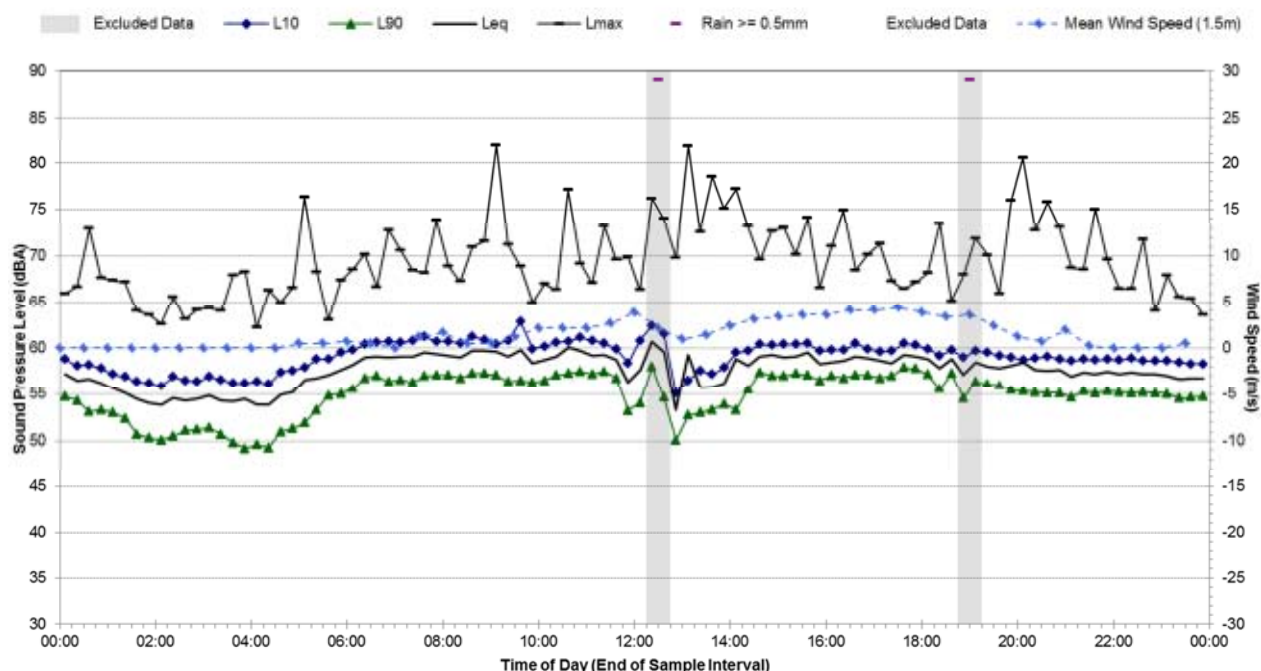
Statistical Ambient Noise Levels

A2.3 - Friday, 15 February 2013



Statistical Ambient Noise Levels

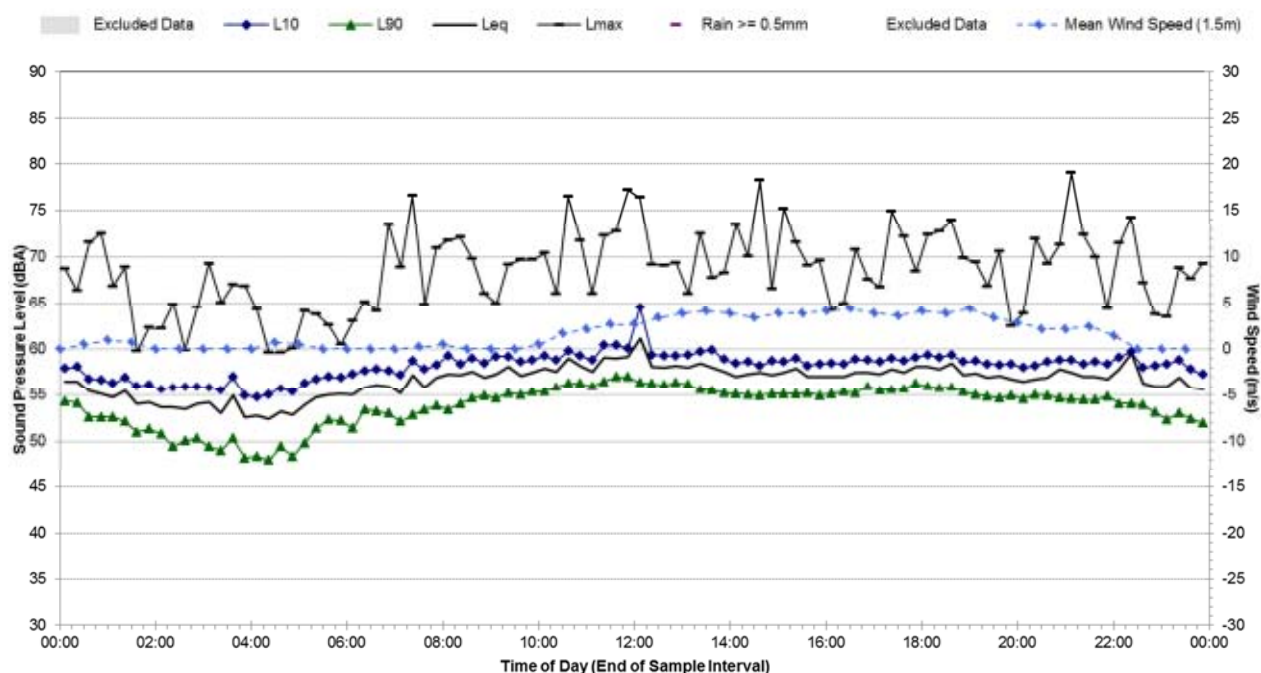
A2.3 - Saturday, 16 February 2013



A2 Ambient Noise Monitoring Results

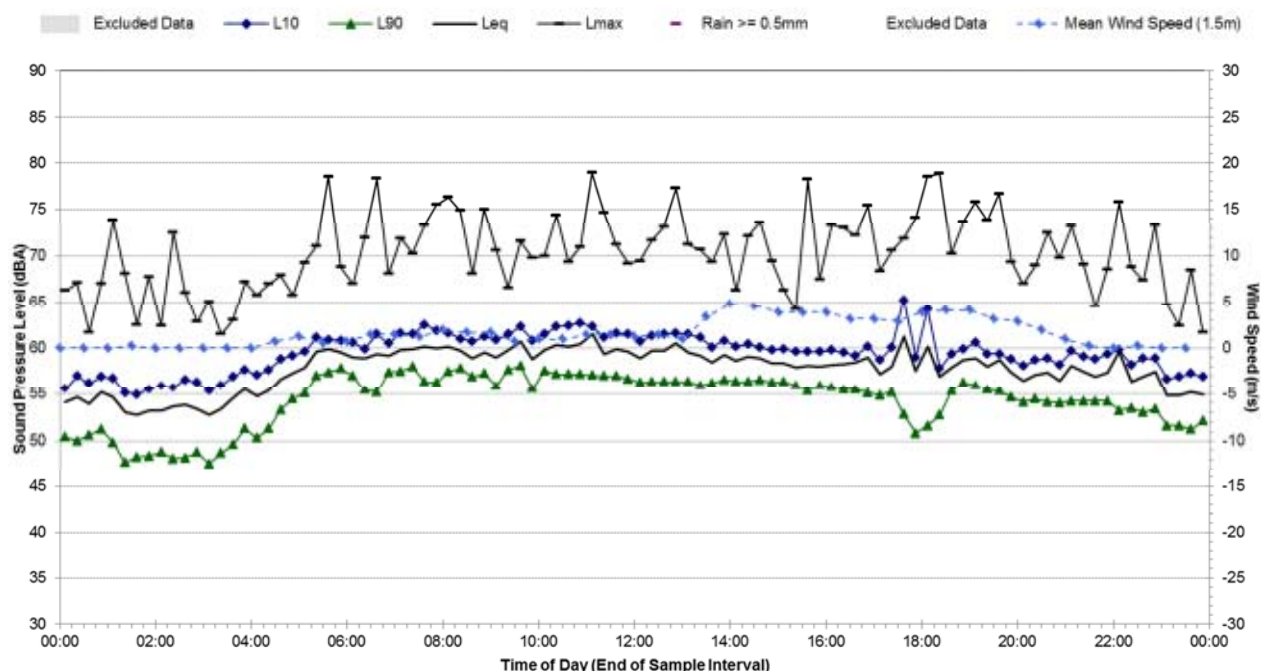
Statistical Ambient Noise Levels

A2.3 - Sunday, 17 February 2013



Statistical Ambient Noise Levels

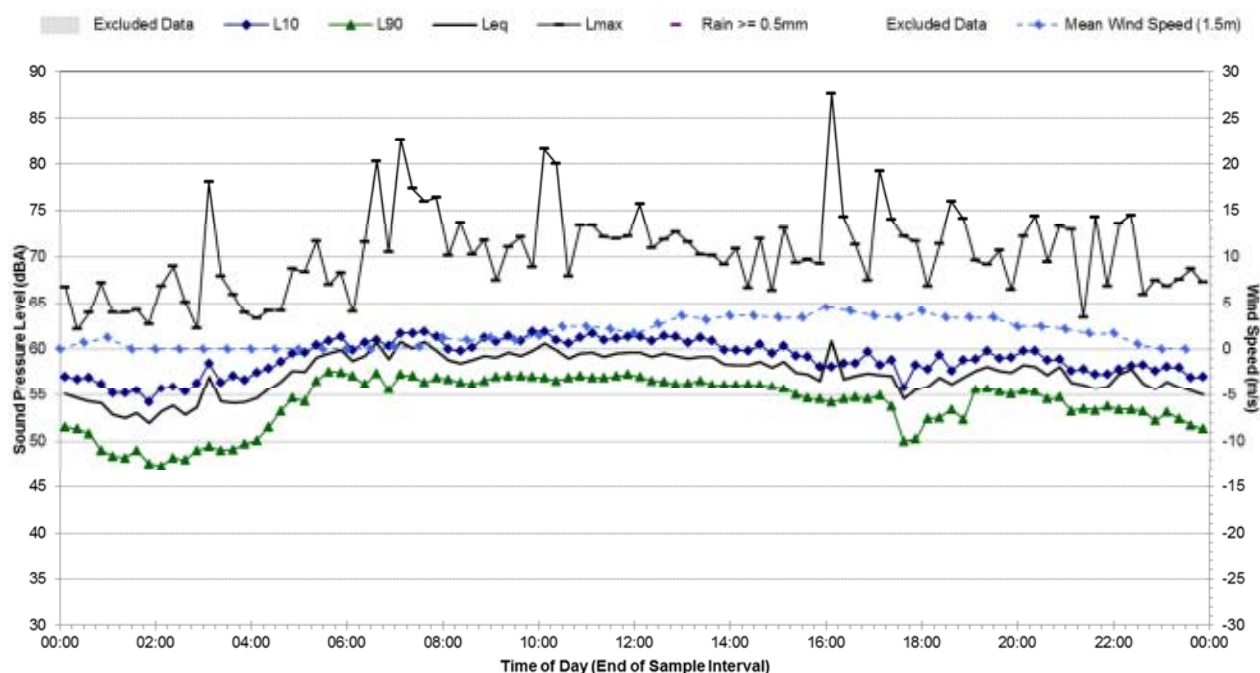
A2.3 - Monday, 18 February 2013



A2 Ambient Noise Monitoring Results

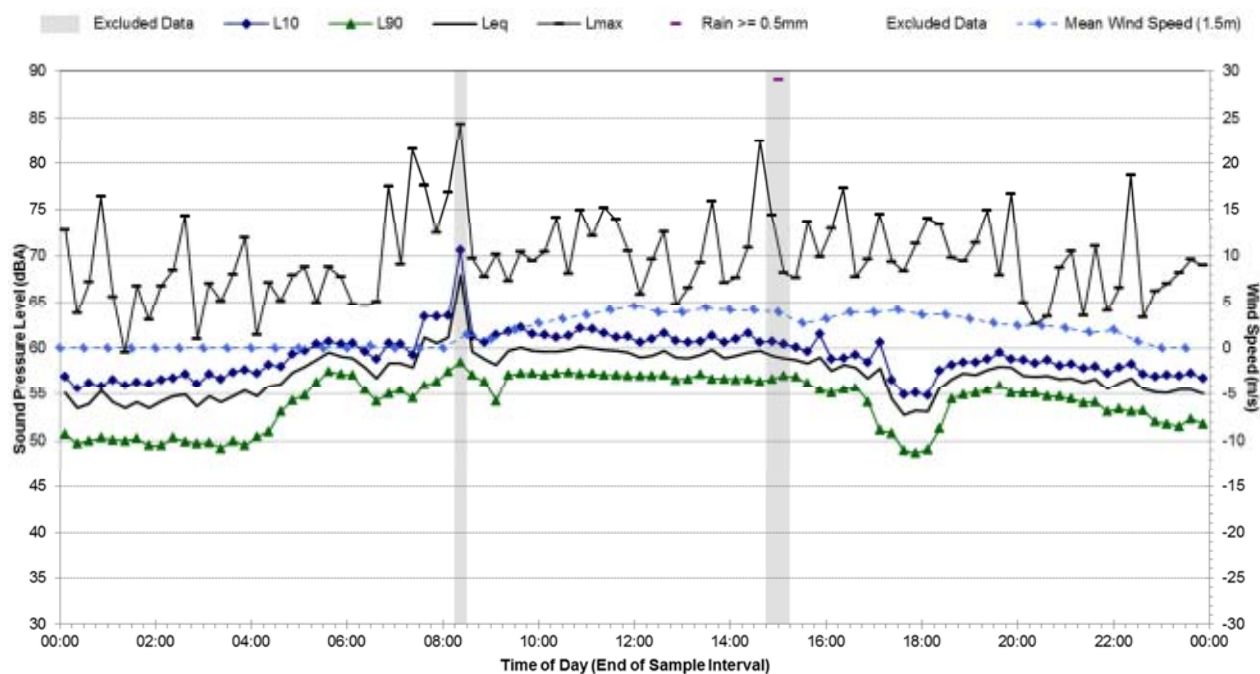
Statistical Ambient Noise Levels

A2.3 - Tuesday, 19 February 2013



Statistical Ambient Noise Levels

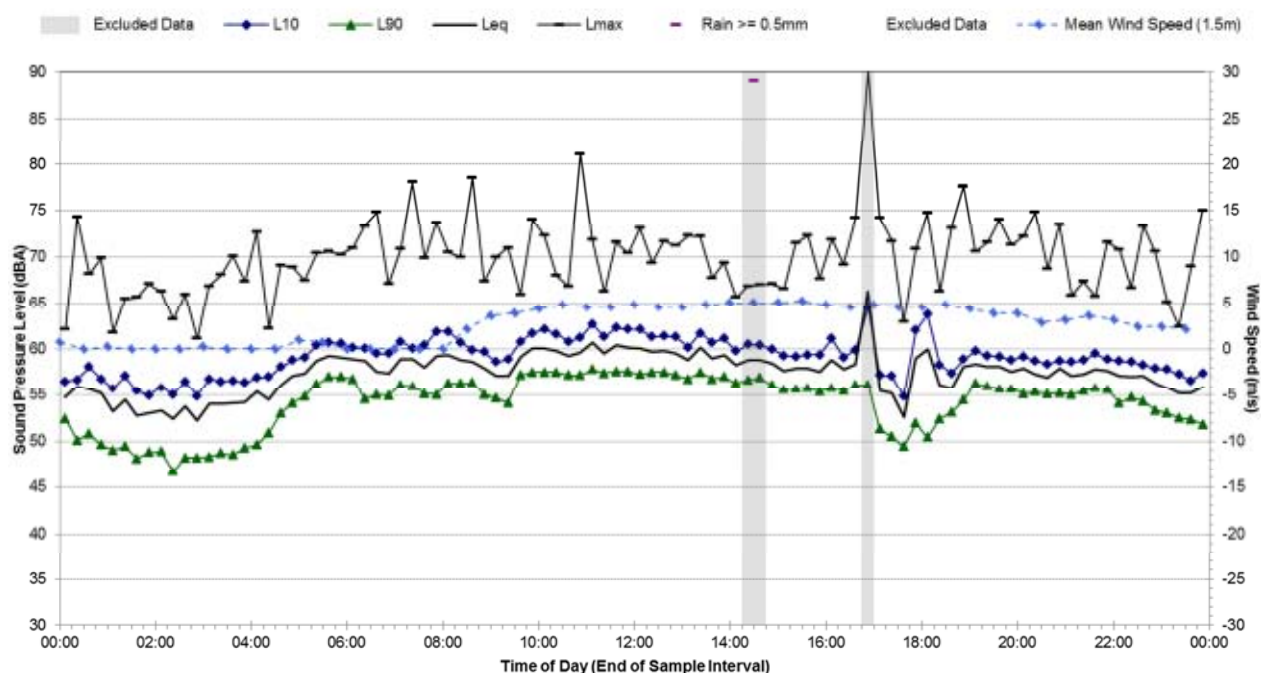
A2.3 - Wednesday, 20 February 2013



A2 Ambient Noise Monitoring Results

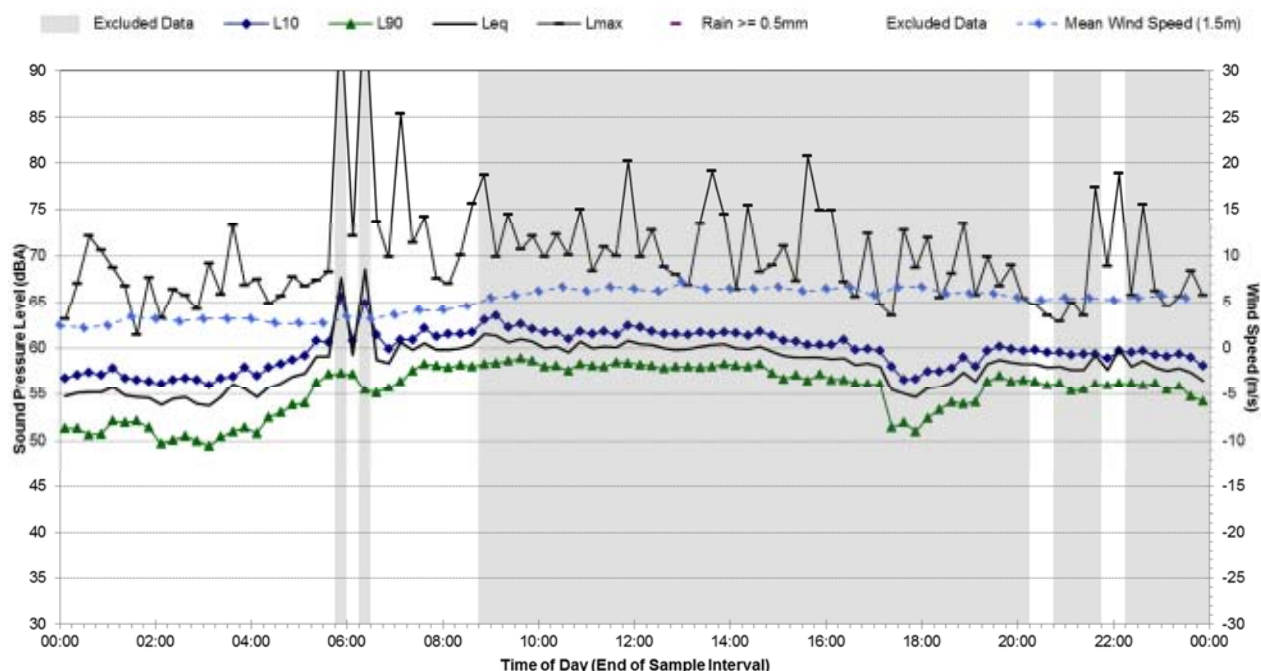
Statistical Ambient Noise Levels

A2.3 - Thursday, 21 February 2013



Statistical Ambient Noise Levels

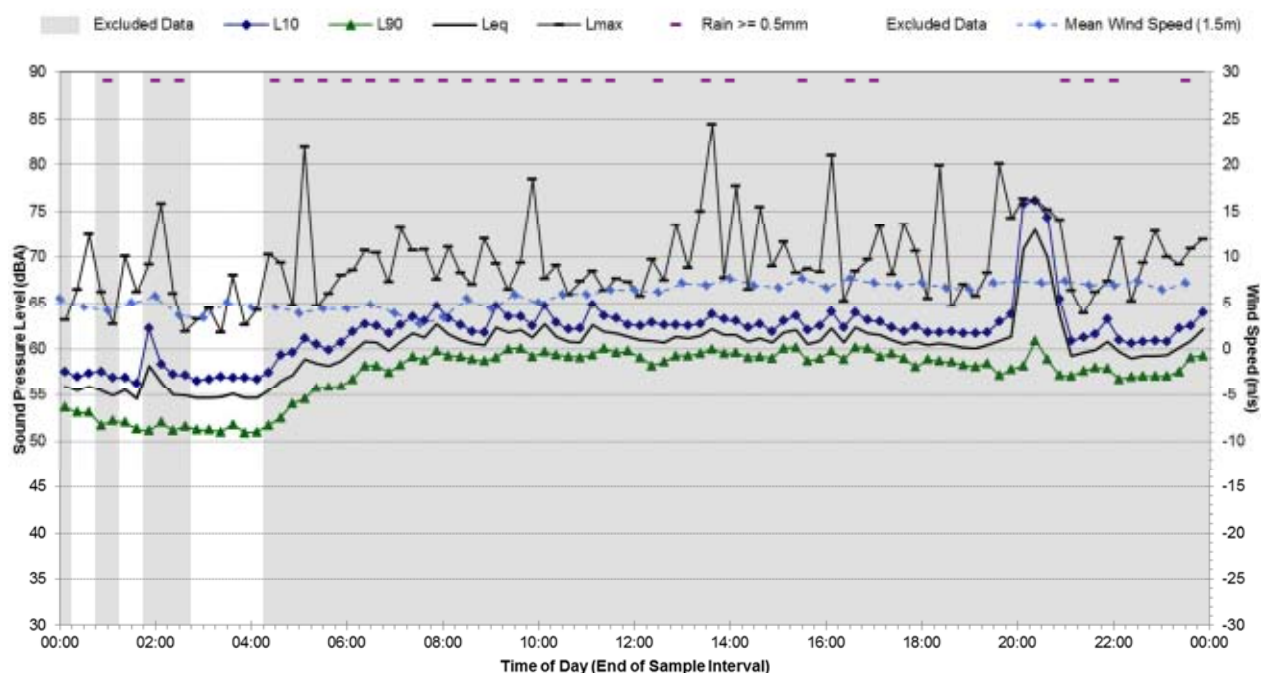
A2.3 - Friday, 22 February 2013



A2 Ambient Noise Monitoring Results

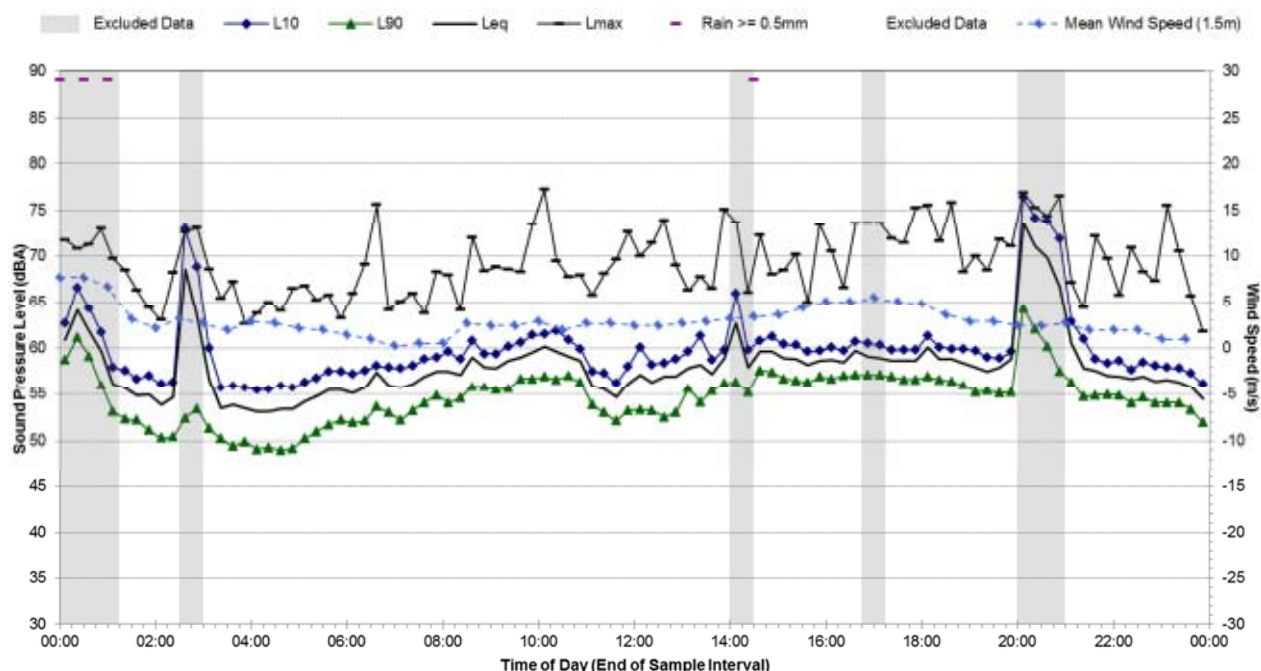
Statistical Ambient Noise Levels

A2.3 - Saturday, 23 February 2013



Statistical Ambient Noise Levels

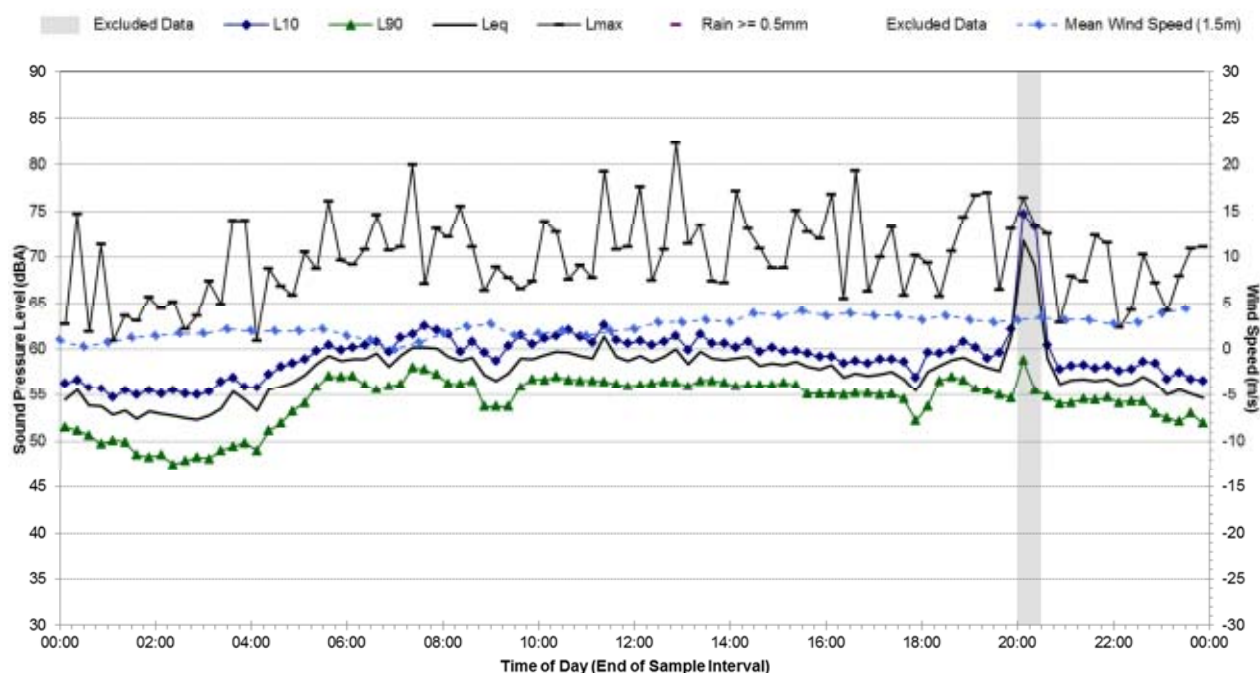
A2.3 - Sunday, 24 February 2013



A2 Ambient Noise Monitoring Results

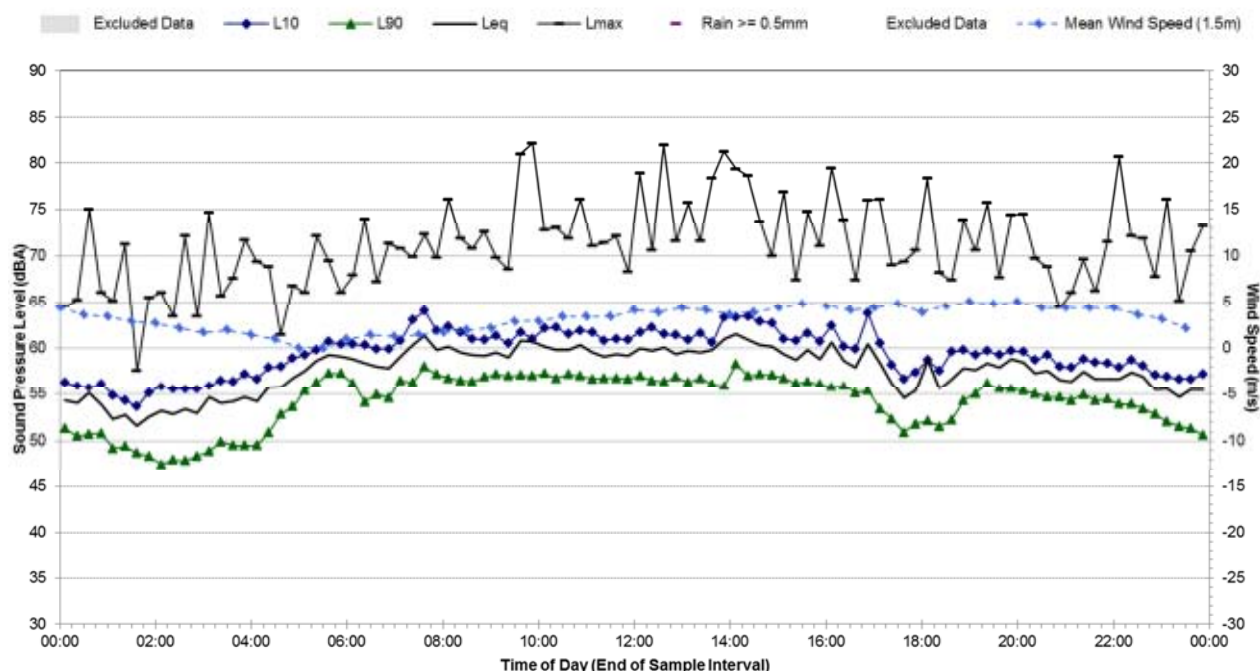
Statistical Ambient Noise Levels

A2.3 - Monday, 25 February 2013



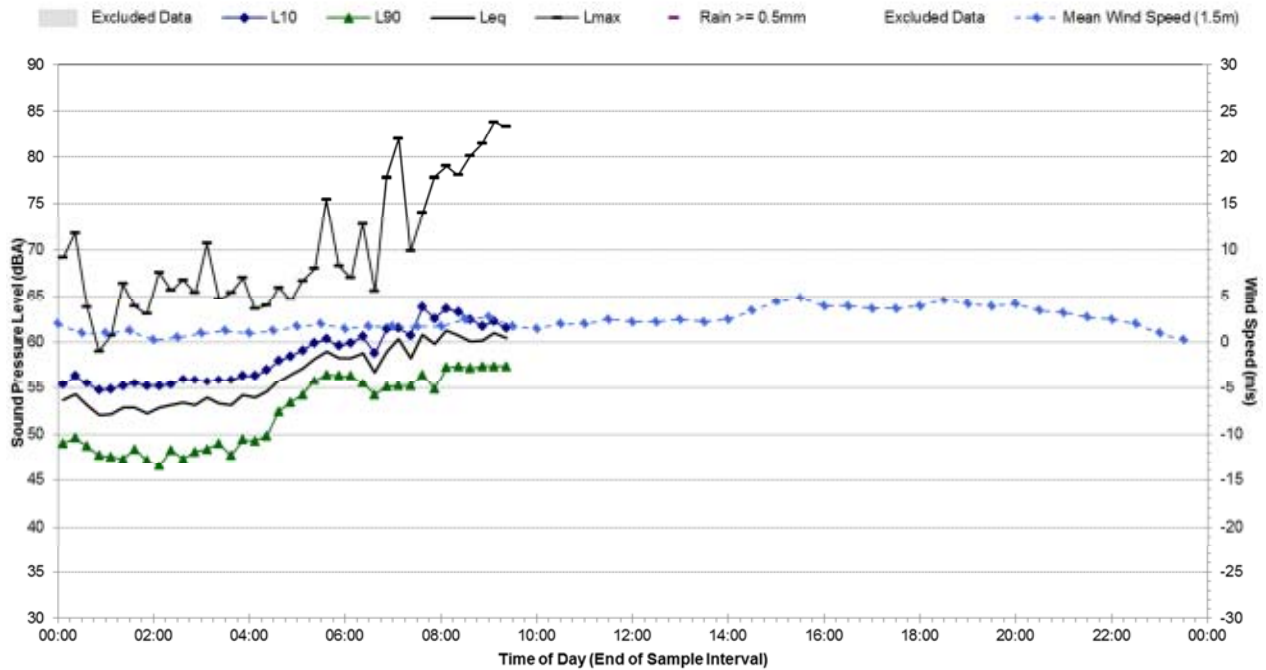
Statistical Ambient Noise Levels

A2.3 - Tuesday, 26 February 2013



Statistical Ambient Noise Levels

A2.3 - Wednesday, 27 February 2013





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A2 Ambient Noise Monitoring Results

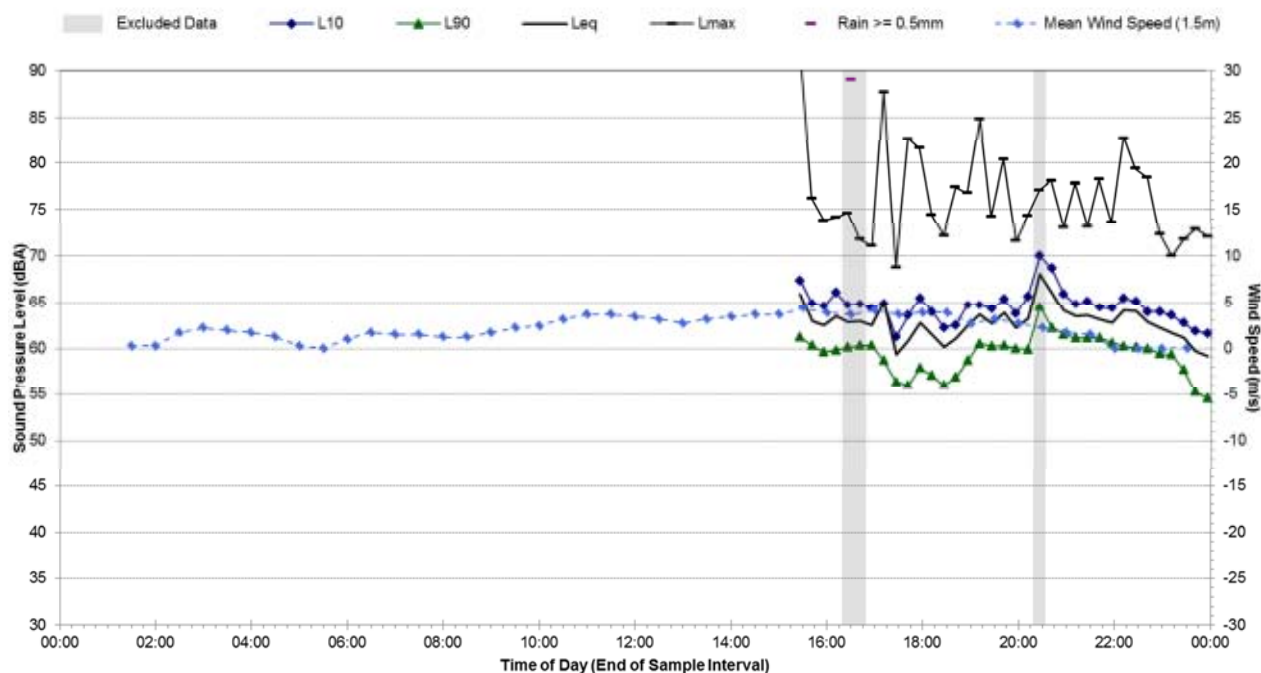
Noise Monitoring Location:		A2.4	Map of Noise Monitoring Location	
Noise Monitoring Address:		70-80 Adderley Street West, Auburn		
Logger Device Type: Svantek 957				
Logger Serial No: 23245				
<p>Ambient noise logger deployed outside commercial address 70-80 Adderley Street West, Auburn. Logger located in vacant block along perimeter fence. Attended noise measurements indicate the ambient noise environment at this location is dominated by road traffic noise from the M4 during the daytime. Near continuous tyre-pavement noise from road traffic on the M4 was observed at this location. Heavy vehicle noise events were observed to occur several times per minute.</p> <p>Review of the ambient noise monitoring data indicates an industrial process of some description occasionally occurs in this general locality between 20:30 and 20:45. Where identified, this extraneous noise has been excluded from the analysis of the monitoring results.</p> <p>Recorded Noise Levels (L_{Amax}): M4 Light-vehicle road traffic: typically 63-65 dBA, M4 Heavy-vehicle road traffic: 67-72 dBA, M4 Motorcycle road traffic: 67-76 dBA, Local road traffic: 74 dBA</p>				
Ambient Noise Logging Results – ICNG Defined Time Periods			Photo of Noise Monitoring Location	
Monitoring Period	Noise Level (dBA)			
	RBL	L_{Aeq}	L₁₀	L₁
Daytime	58	64	66	71
Evening	58	64	65	70
Night-time	54	61	63	68
Ambient Noise Logging Results – RNP Defined Time Periods				
Monitoring Period	Noise Level (dBA)			
	Weekday L_{Aeq}(Period)	Weekend L_{Aeq}(Period)	Weekly L_{Aeq}(Period)	
Number of Valid Days	7	2	N/A (7 Day Average)	
Daytime (7am-10pm)	64	63	64	
Night-time (10pm-7am)	61	60	61	
Attended Noise Measurement Results				
Date	Start Time	Measured Noise Level (dBA)		
		L_{A90}	L_{Aeq}	L_{Amax}
13/02/2013	15:09	62	65	76

				
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A2 Ambient Noise Monitoring Results

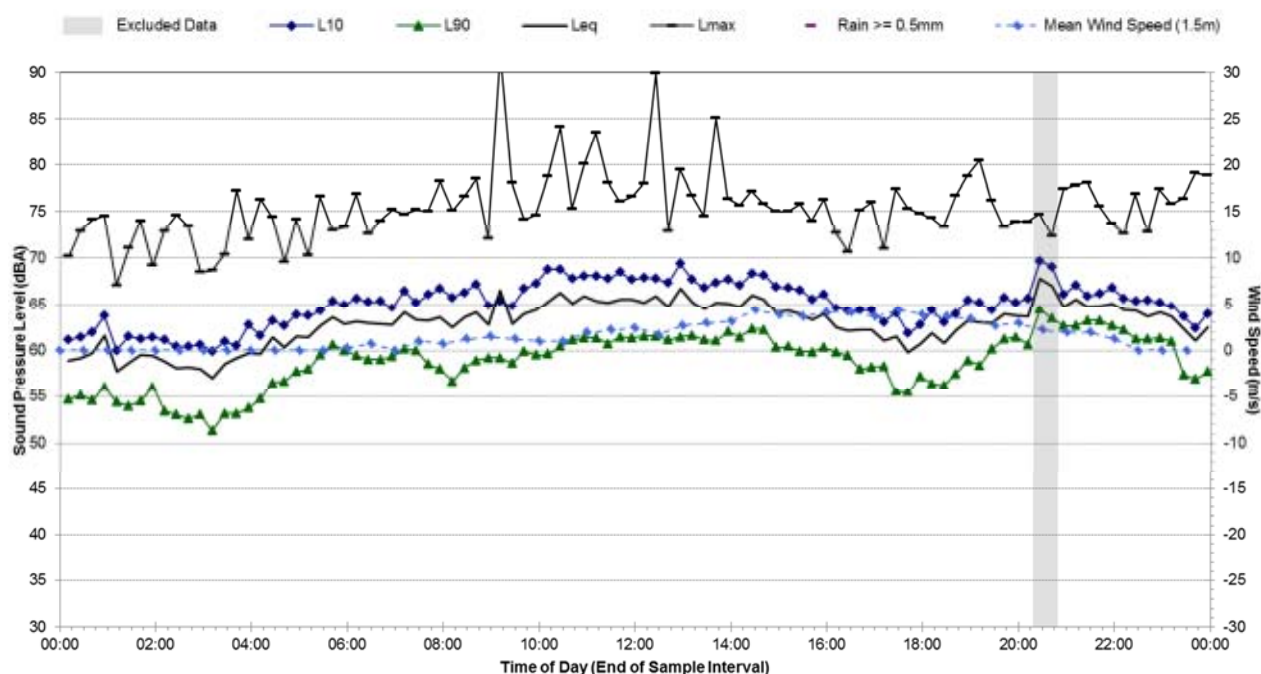
Statistical Ambient Noise Levels

A2.4 - Wednesday, 13 February 2013



Statistical Ambient Noise Levels

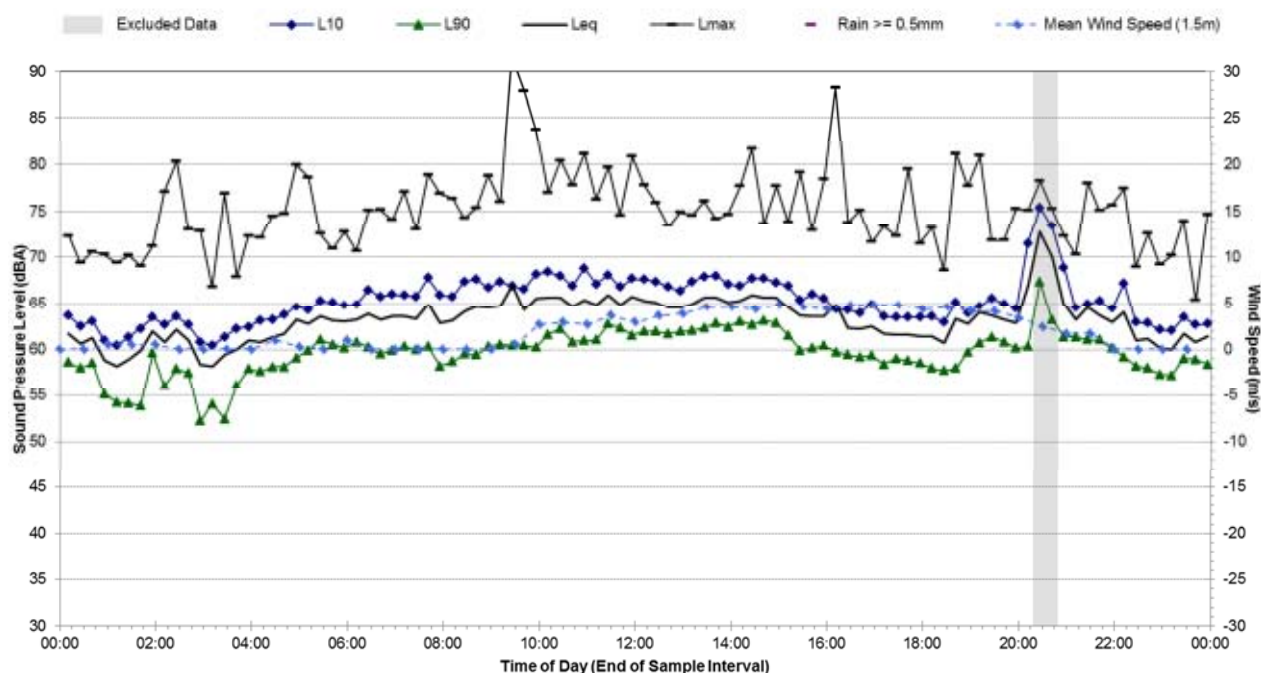
A2.4 - Thursday, 14 February 2013



A2 Ambient Noise Monitoring Results

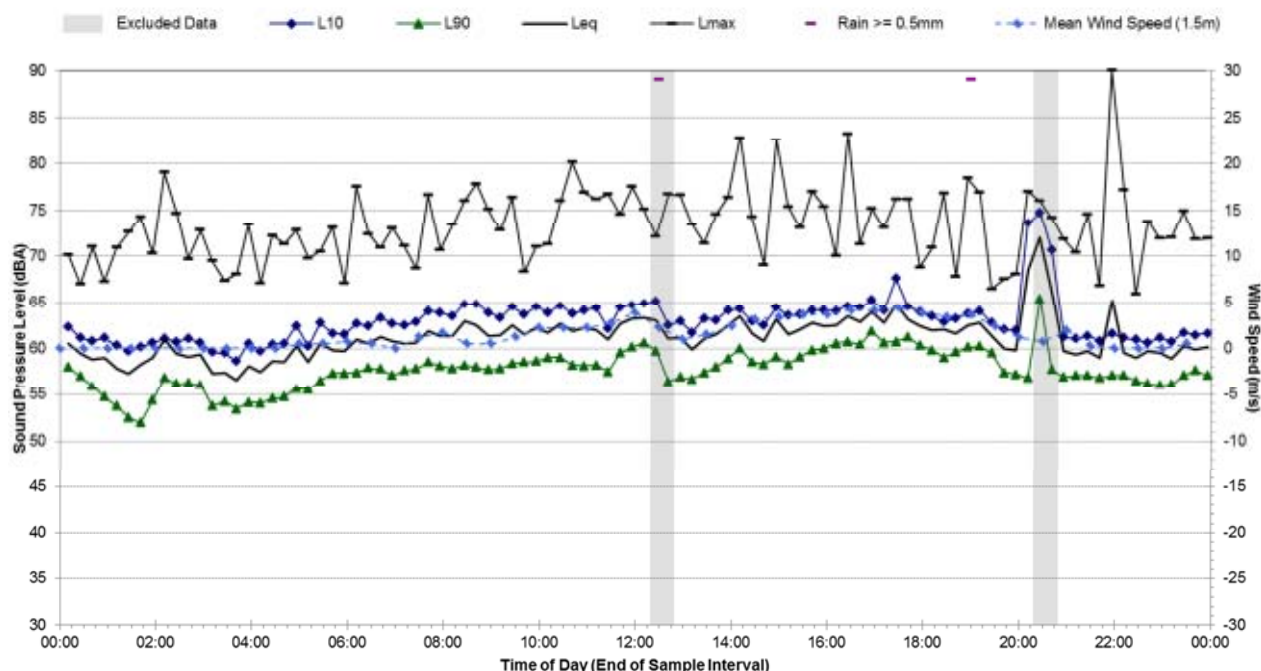
Statistical Ambient Noise Levels

A2.4 - Friday, 15 February 2013



Statistical Ambient Noise Levels

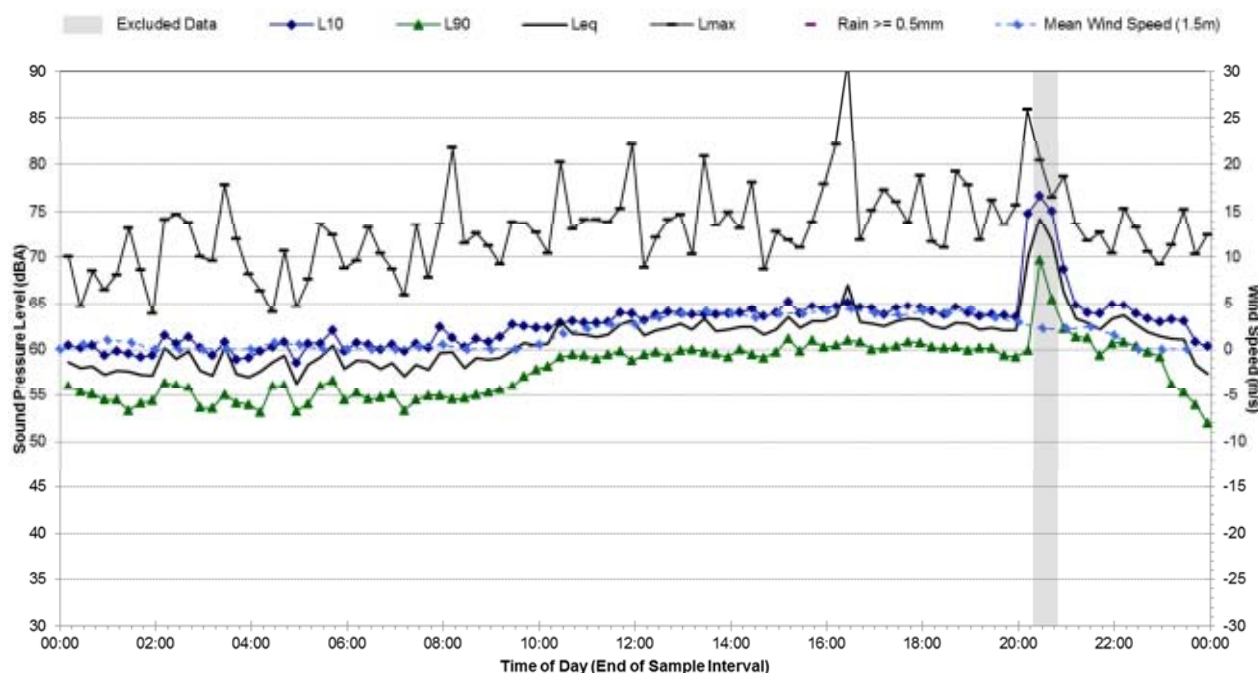
A2.4 - Saturday, 16 February 2013



A2 Ambient Noise Monitoring Results

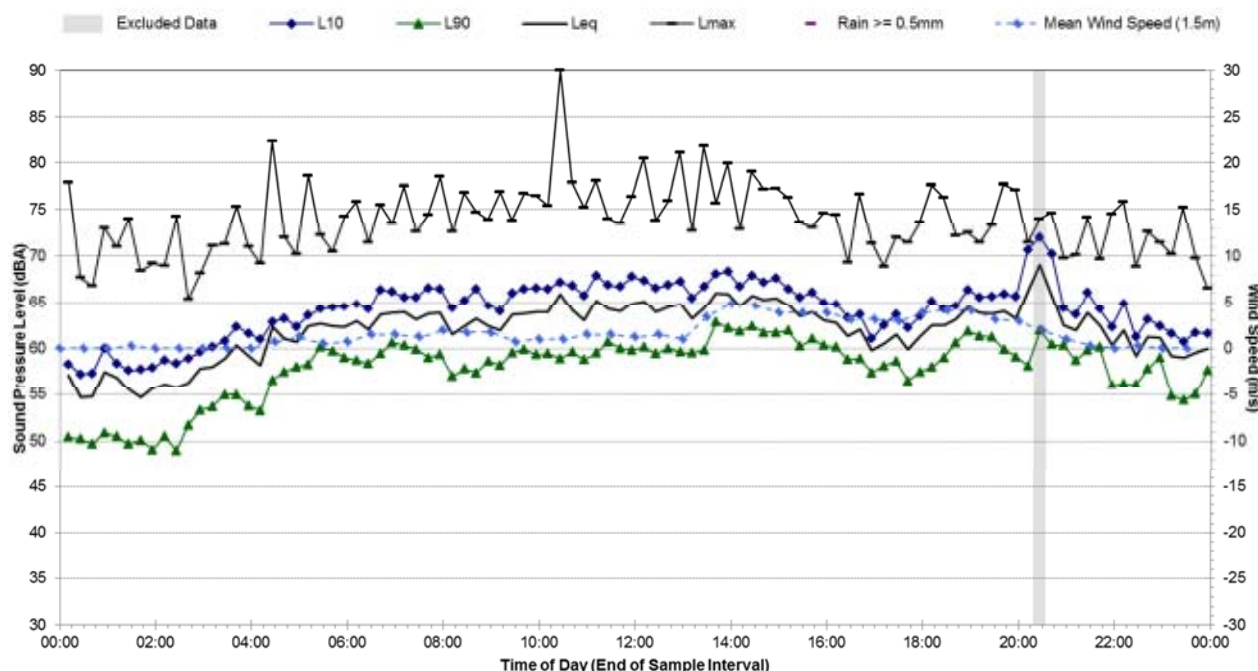
Statistical Ambient Noise Levels

A2.4 - Sunday, 17 February 2013



Statistical Ambient Noise Levels

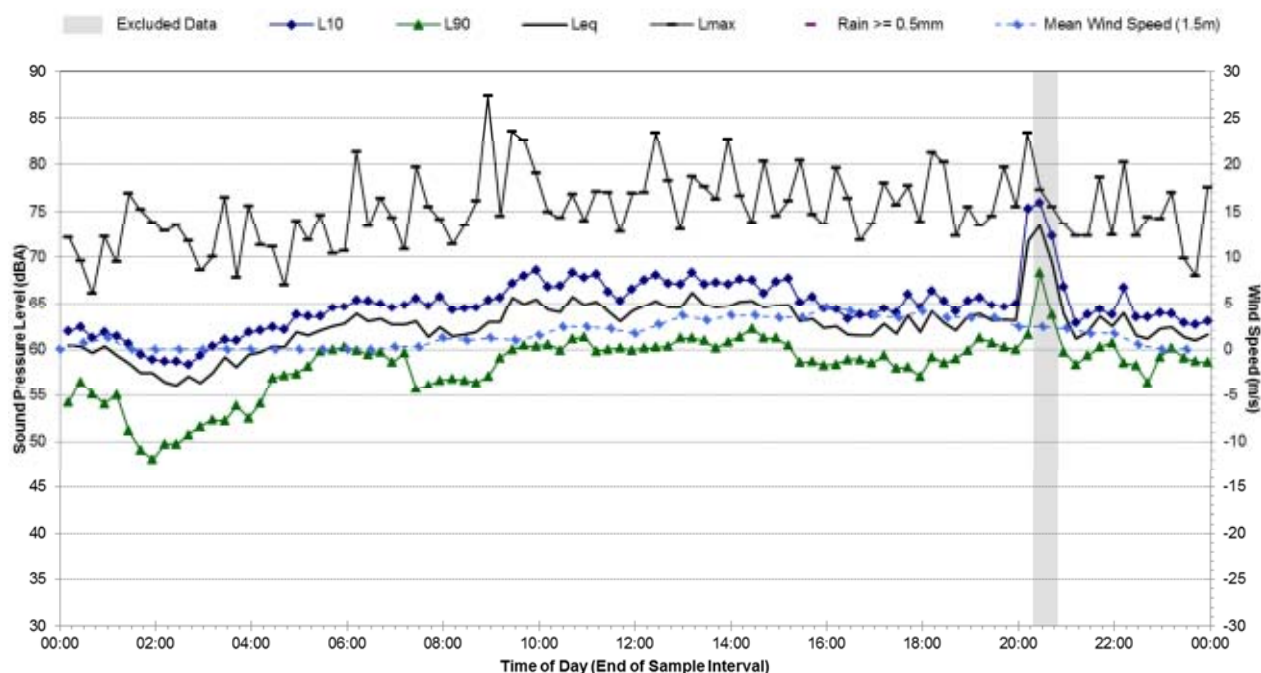
A2.4 - Monday, 18 February 2013



A2 Ambient Noise Monitoring Results

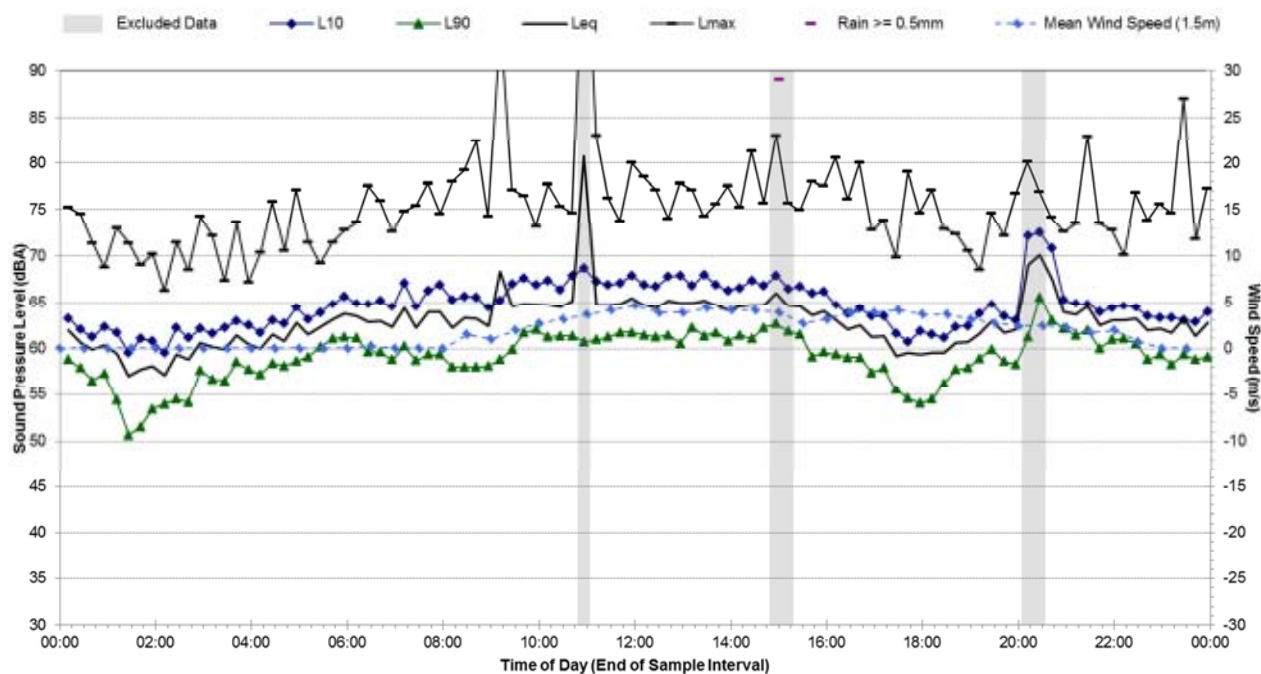
Statistical Ambient Noise Levels

A2.4 - Tuesday, 19 February 2013



Statistical Ambient Noise Levels

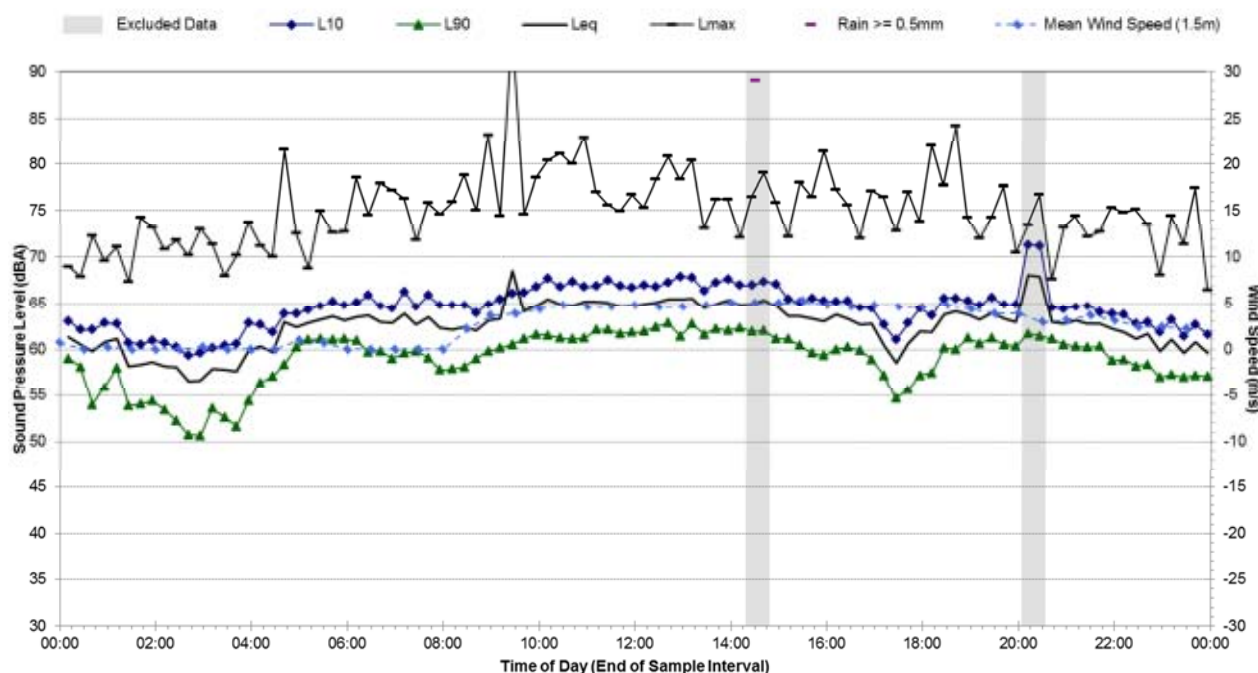
A2.4 - Wednesday, 20 February 2013



A2 Ambient Noise Monitoring Results

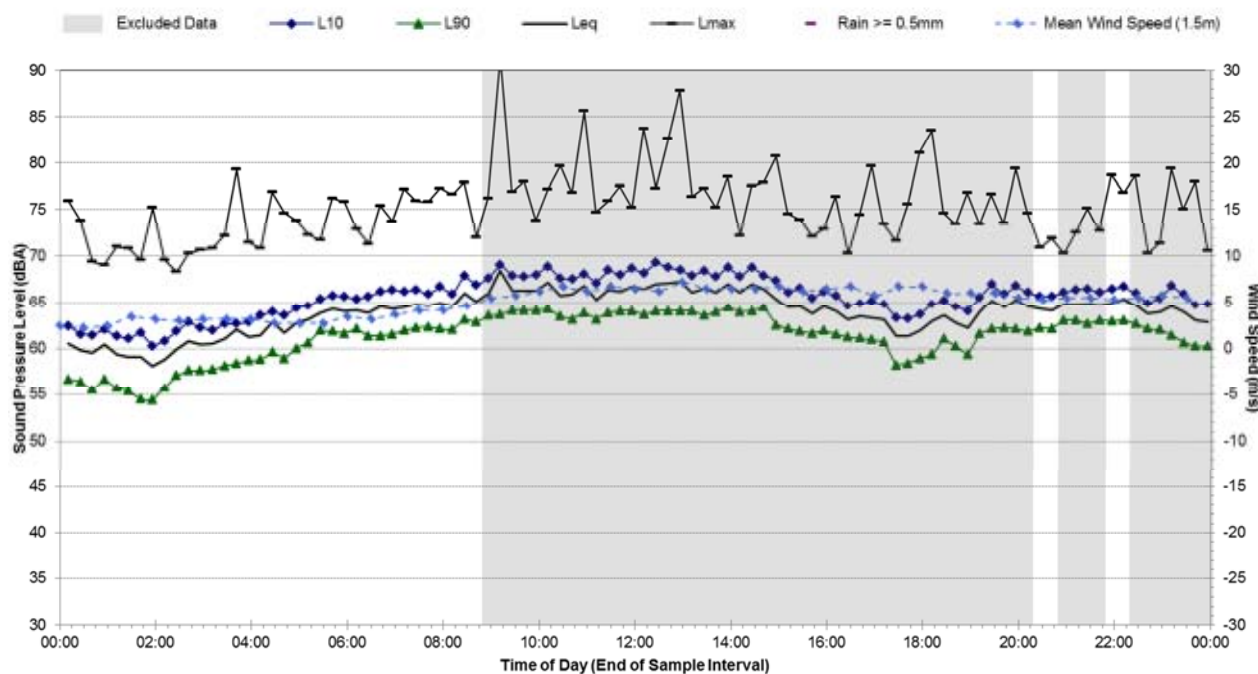
Statistical Ambient Noise Levels

A2.4 - Thursday, 21 February 2013



Statistical Ambient Noise Levels

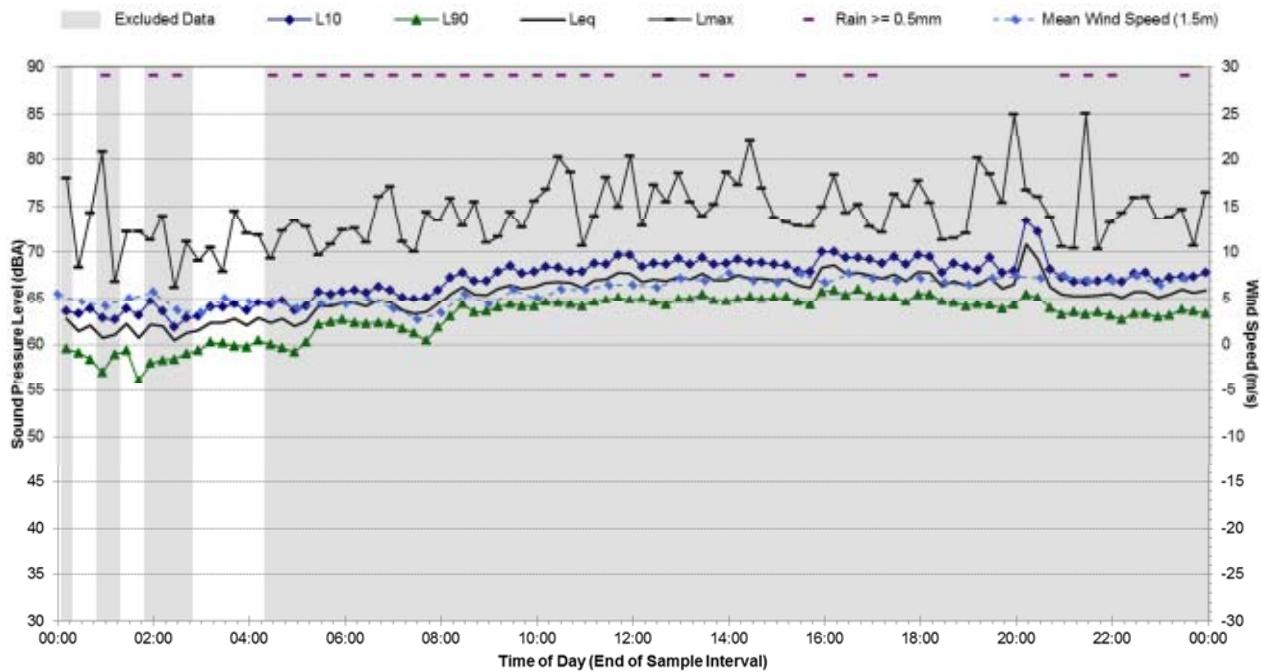
A2.4 - Friday, 22 February 2013



A2 Ambient Noise Monitoring Results

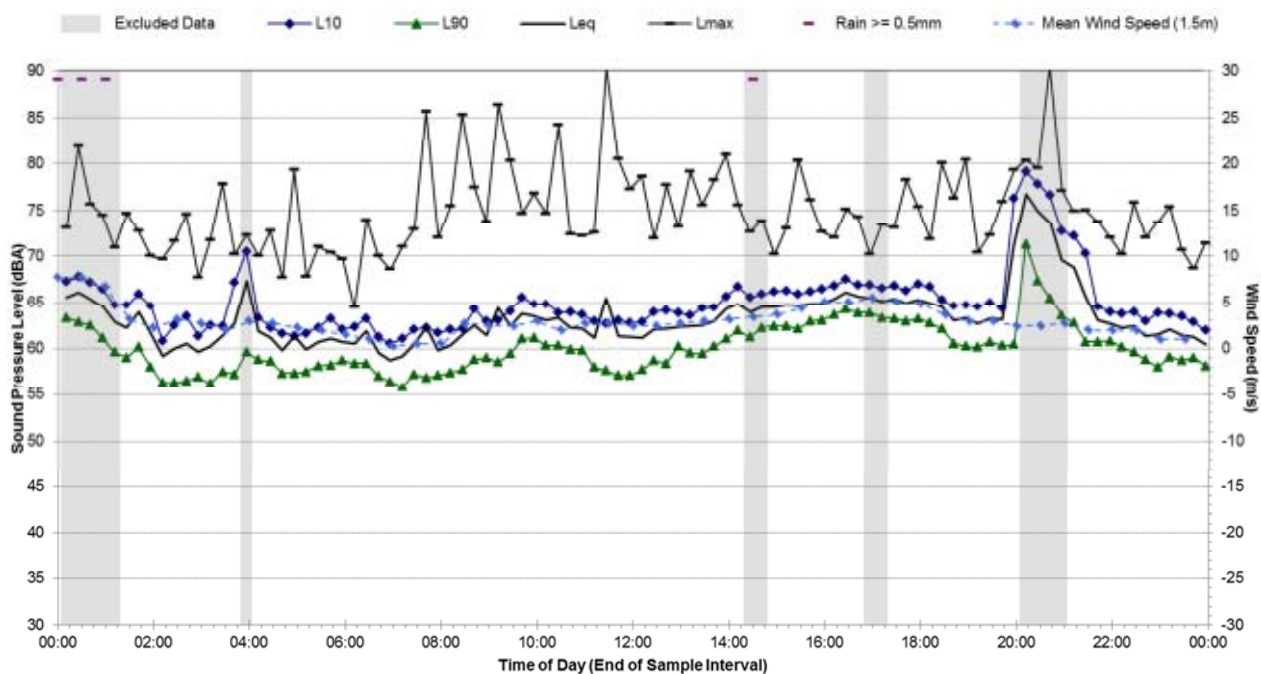
Statistical Ambient Noise Levels

A2.4 - Saturday, 23 February 2013



Statistical Ambient Noise Levels

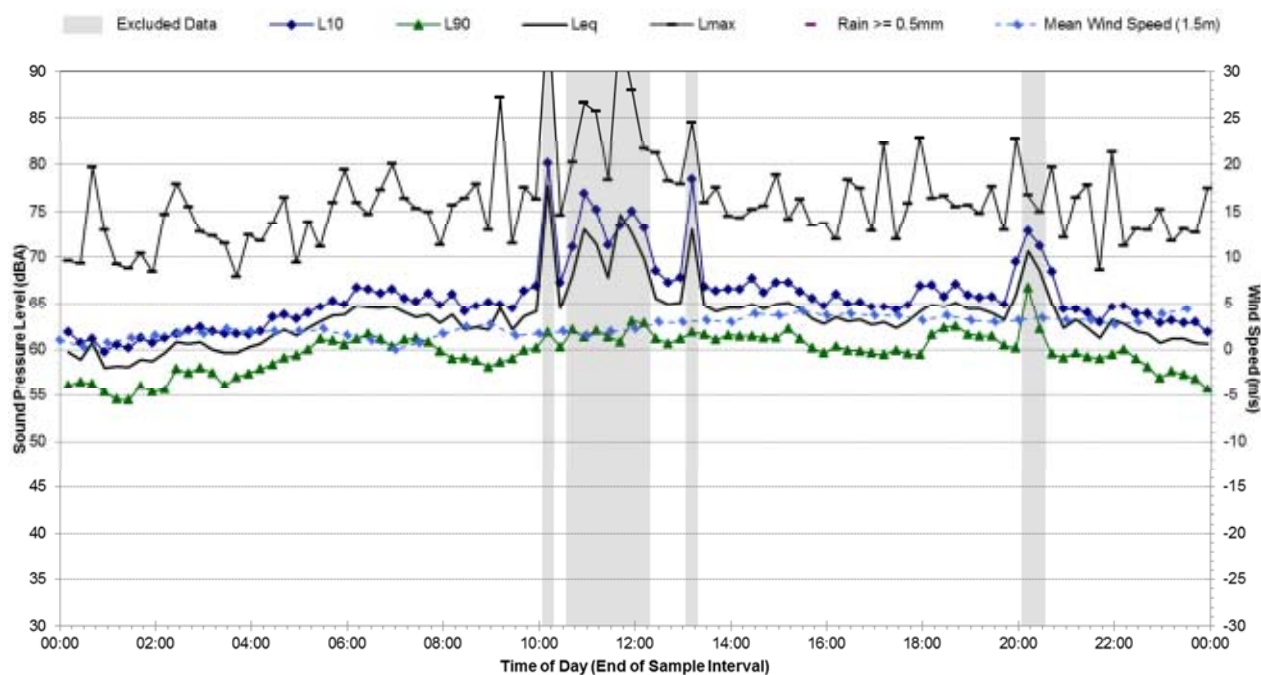
A2.4 - Sunday, 24 February 2013



A2 Ambient Noise Monitoring Results

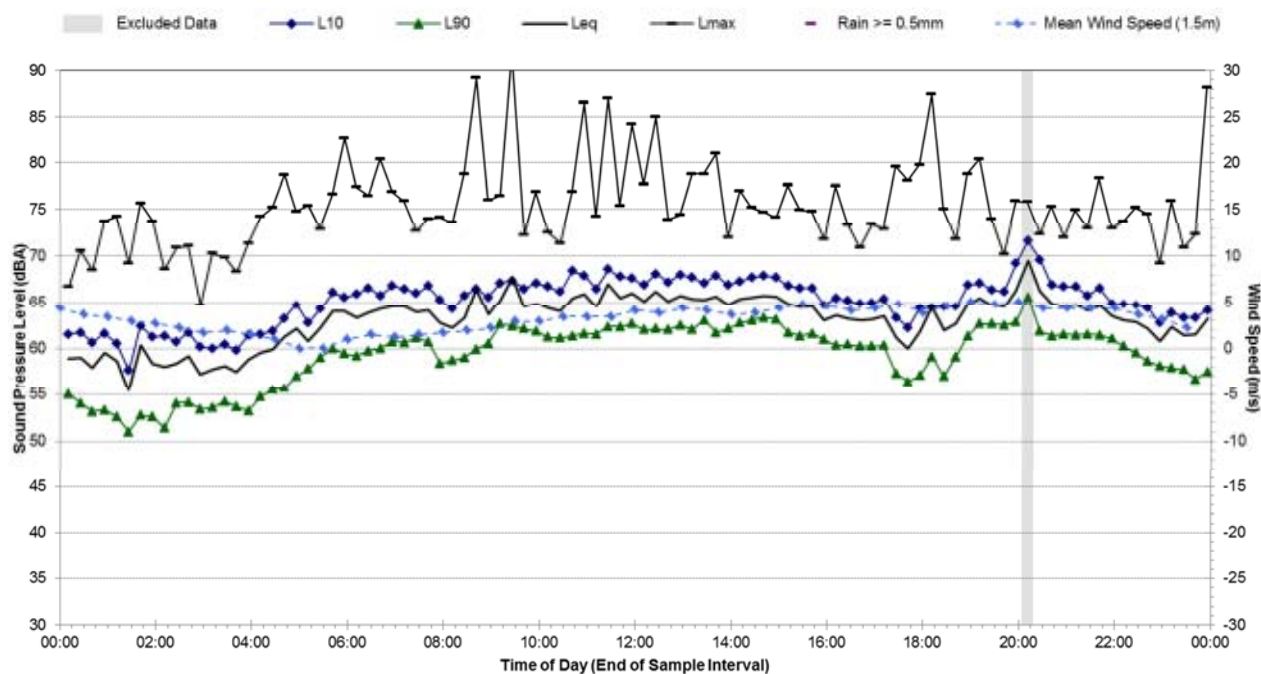
Statistical Ambient Noise Levels

A2.4 - Monday, 25 February 2013



Statistical Ambient Noise Levels

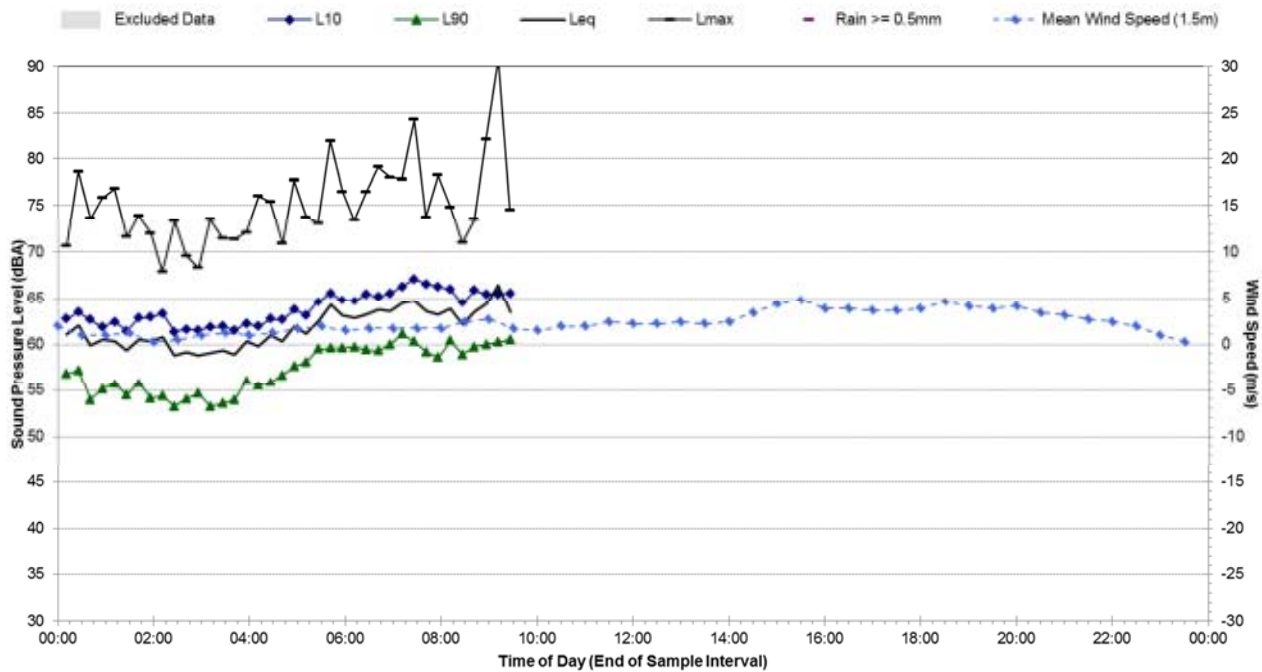
A2.4 - Tuesday, 26 February 2013





A2 Ambient Noise Monitoring Results

Statistical Ambient Noise Levels

A2.4 - Wednesday, 27 February 2013



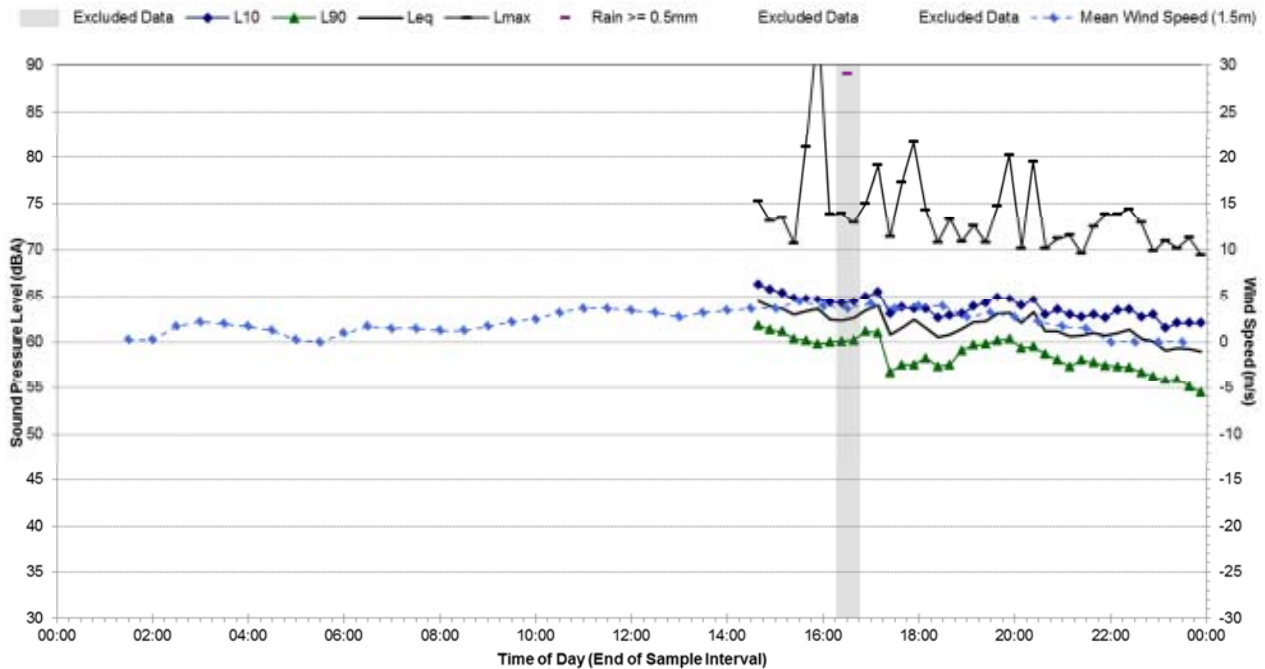
A2 Ambient Noise Monitoring Results

Noise Monitoring Location: A2.5		Map of Noise Monitoring Location				
Noise Monitoring Address: 87 Deakin Street, Silverwater						
Logger Device Type: Svantek 957						
Logger Serial No: 20669						
Ambient noise logger deployed immediately outside residential address 87 Deakin Street, Silverwater. Logger located in front yard on southern side of property.						
Attended noise measurements indicate the ambient noise environment at this location is dominated by road traffic noise from the M4 during the daytime. Near continuous tyre-pavement noise from light-vehicle traffic on the M4 was observed at this location with heavy vehicle noise observed several times per minute.						
Recorded Noise Levels (LAmax): M4 Light-vehicle road traffic: typically 60-65 dBA, M4 Heavy-vehicle road traffic: 65-69 dBA, Local road traffic: 68 dBA, Insects: ~60 dBA (intermittent),						
Ambient Noise Logging Results – ICNG Defined Time Periods		Photo of Noise Monitoring Location				
Monitoring Period	Noise Level (dBA)					
	RBL	LAeq	L10	L1		
Daytime	58	63	65	69		
Evening	57	61	63	67		
Night-time	51	60	61	66		
Ambient Noise Logging Results – RNP Defined Time Periods						
Monitoring Period	Noise Level (dBA)					
	Weekday LAeq(Period)				Weekend LAeq(Period)	Weekly LAeq(Period)
Number of Valid Days	8				3	N/A (7 Day Average)
Daytime (7am-10pm)	63	62	63			
Night-time (10pm-7am)	60	59	60			
Attended Noise Measurement Results						
Date	Start Time	Measured Noise Level (dBA)				
		LA90	LAeq	LAmix		
13/02/2013	14:14	61	63	69		

A2 Ambient Noise Monitoring Results

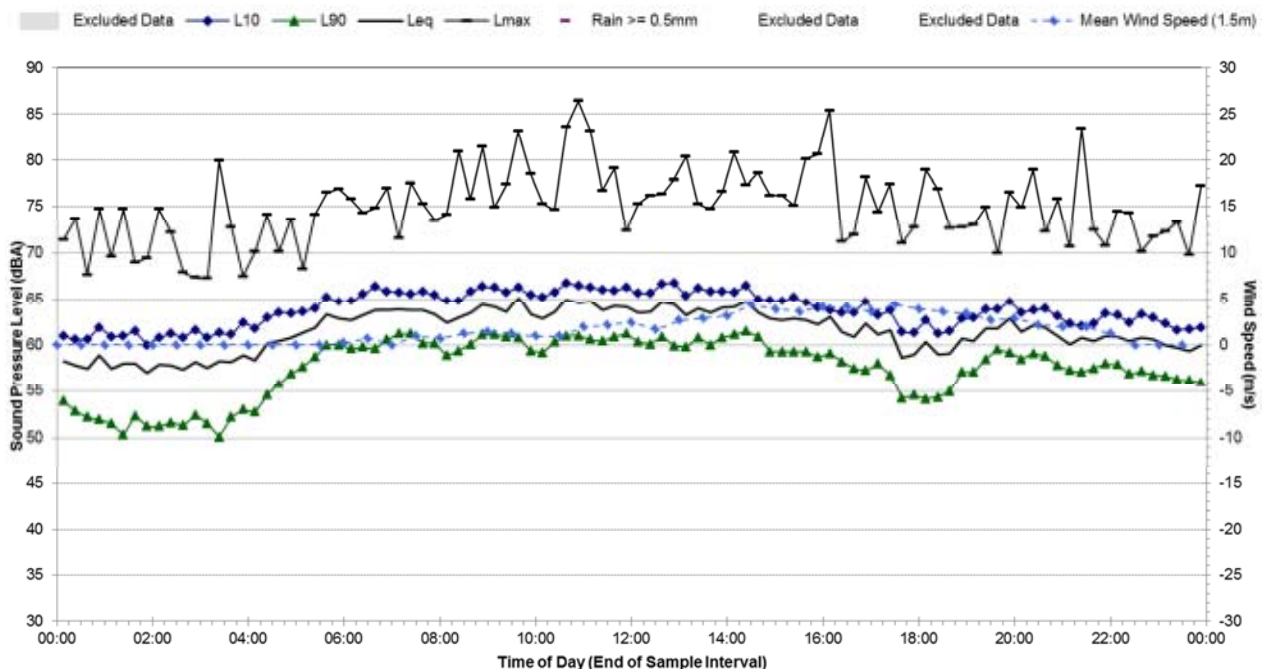
Statistical Ambient Noise Levels

A2.5 - Wednesday, 13 February 2013



Statistical Ambient Noise Levels

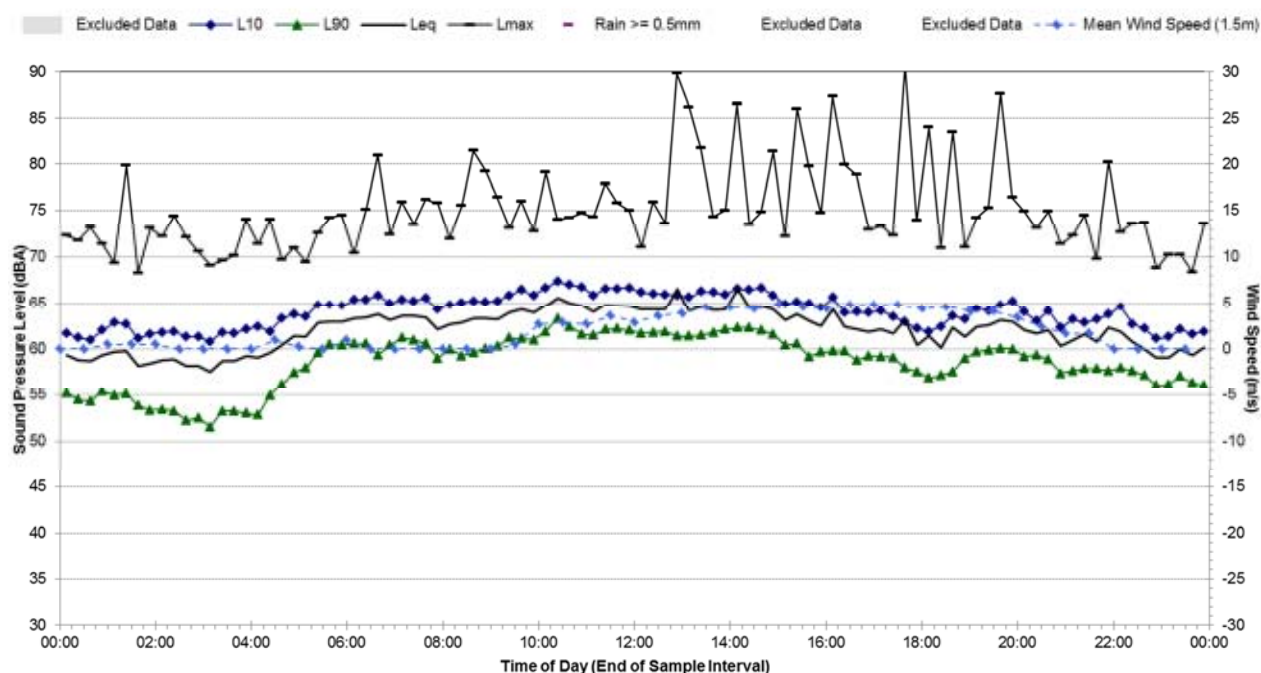
A2.5 - Thursday, 14 February 2013



A2 Ambient Noise Monitoring Results

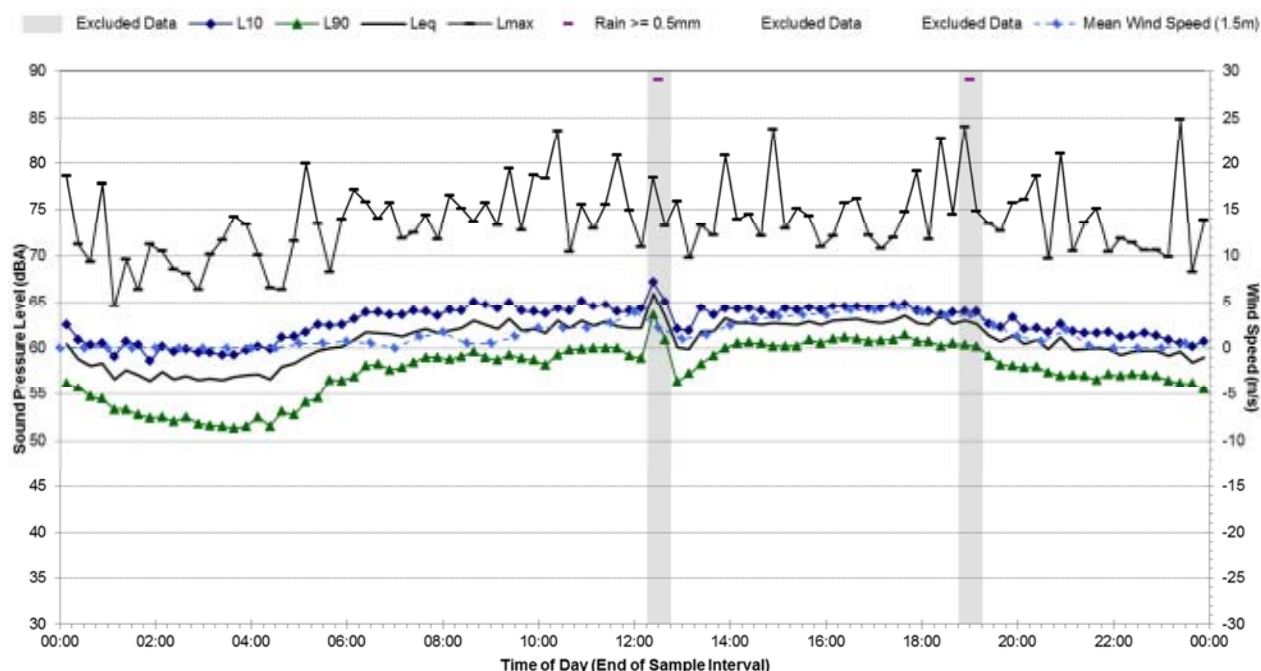
Statistical Ambient Noise Levels

A2.5 - Friday, 15 February 2013



Statistical Ambient Noise Levels

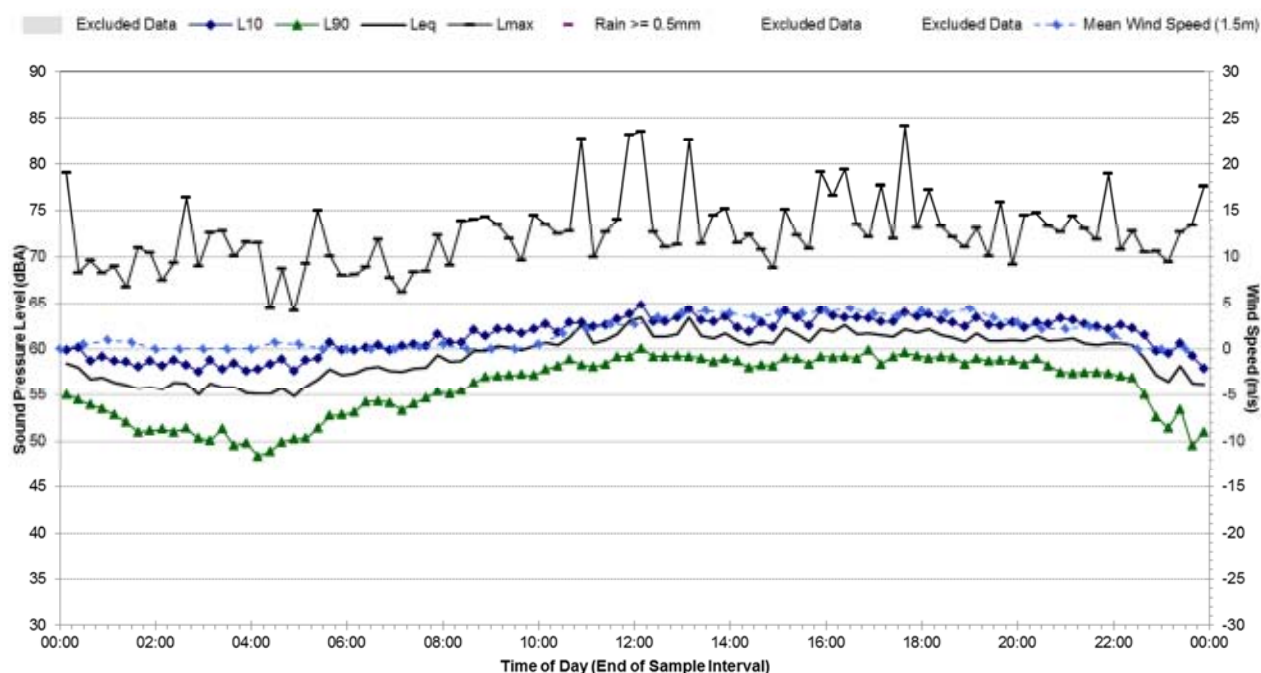
A2.5 - Saturday, 16 February 2013



A2 Ambient Noise Monitoring Results

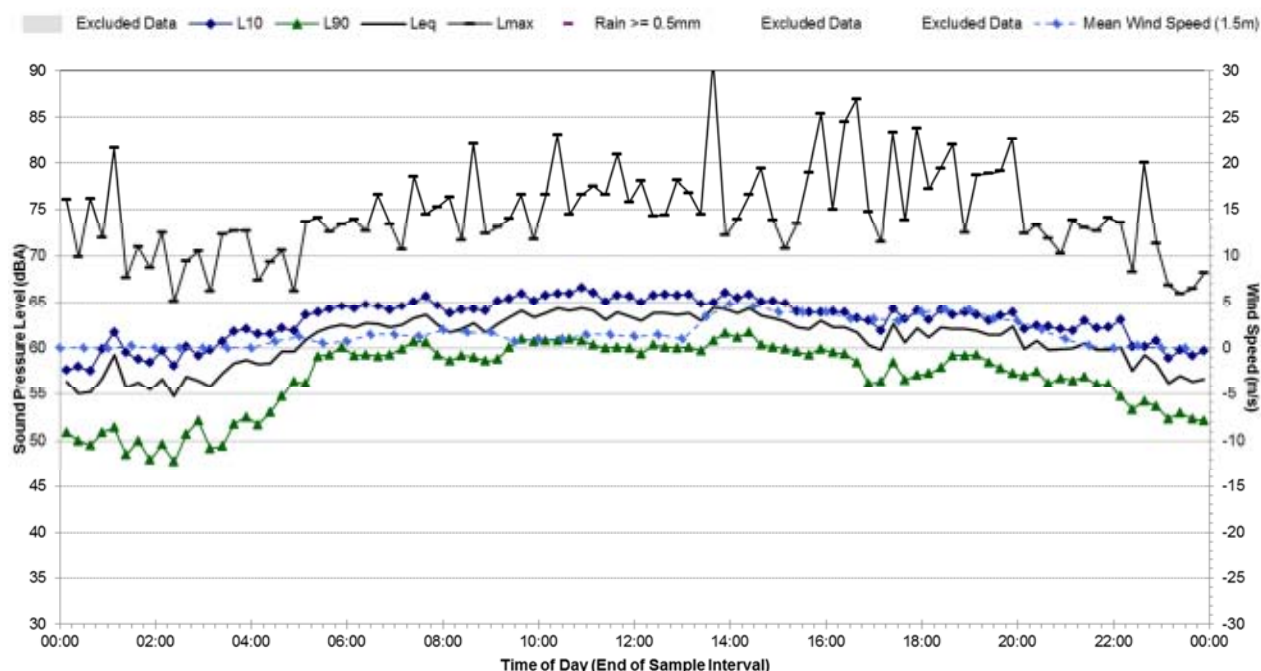
Statistical Ambient Noise Levels

A2.5 - Sunday, 17 February 2013



Statistical Ambient Noise Levels

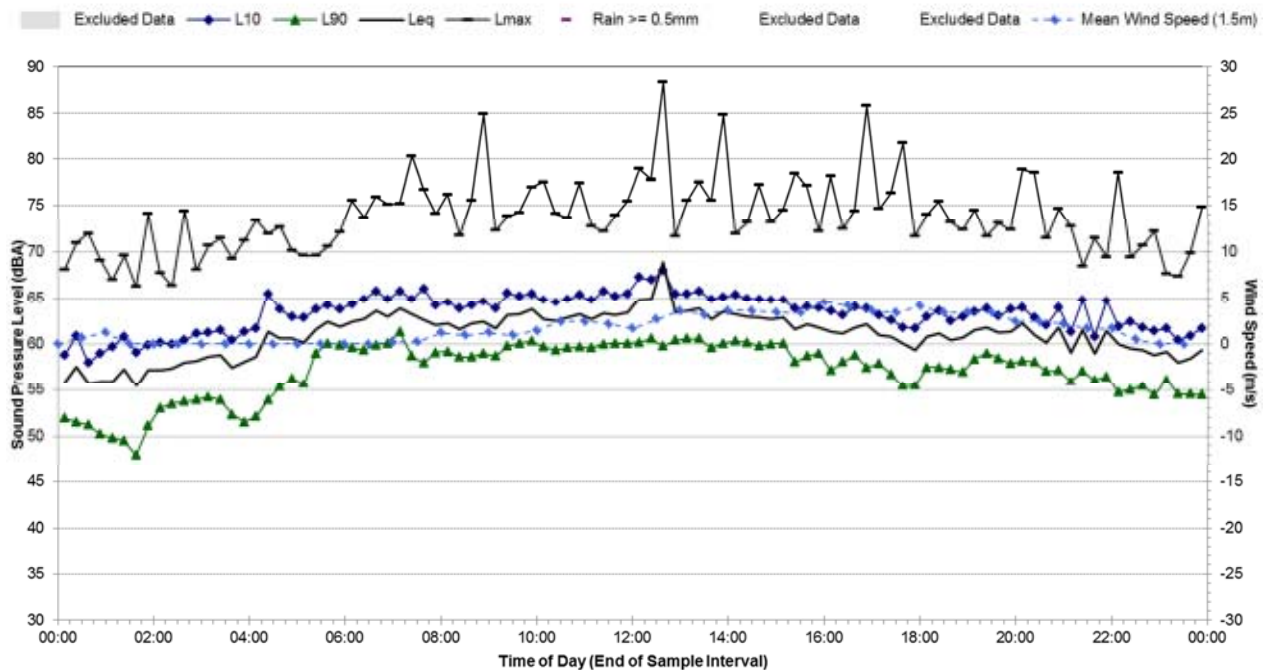
A2.5 - Monday, 18 February 2013



A2 Ambient Noise Monitoring Results

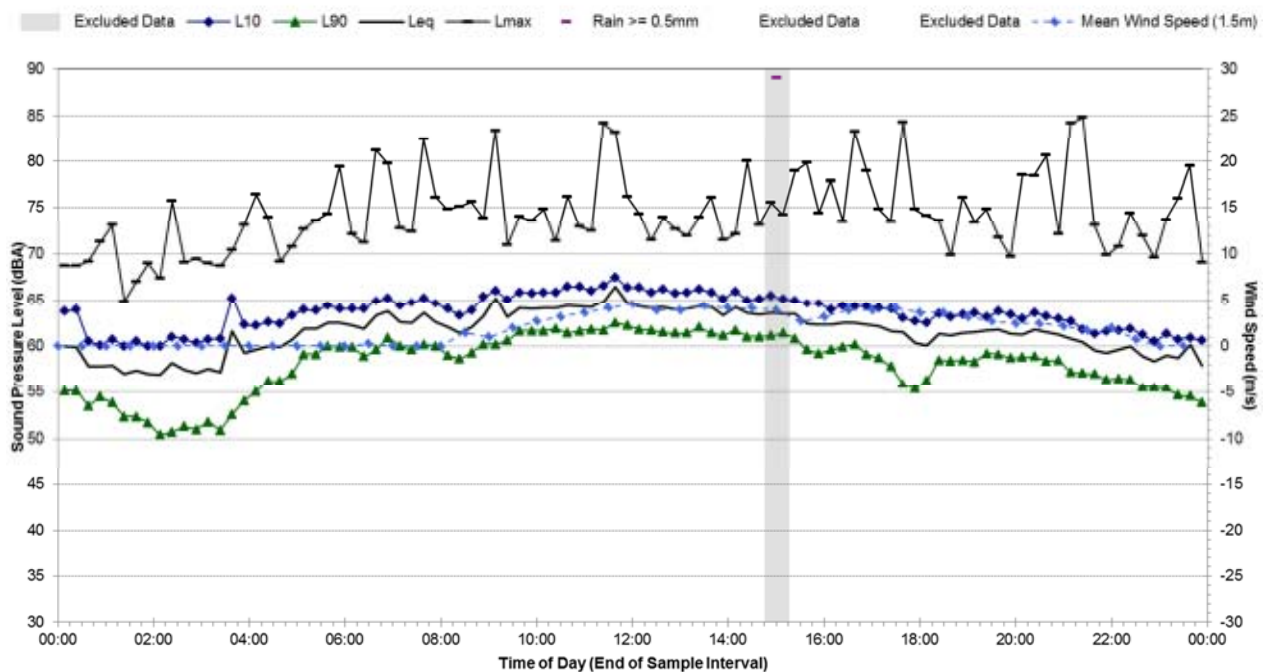
Statistical Ambient Noise Levels

A2.5 - Tuesday, 19 February 2013



Statistical Ambient Noise Levels

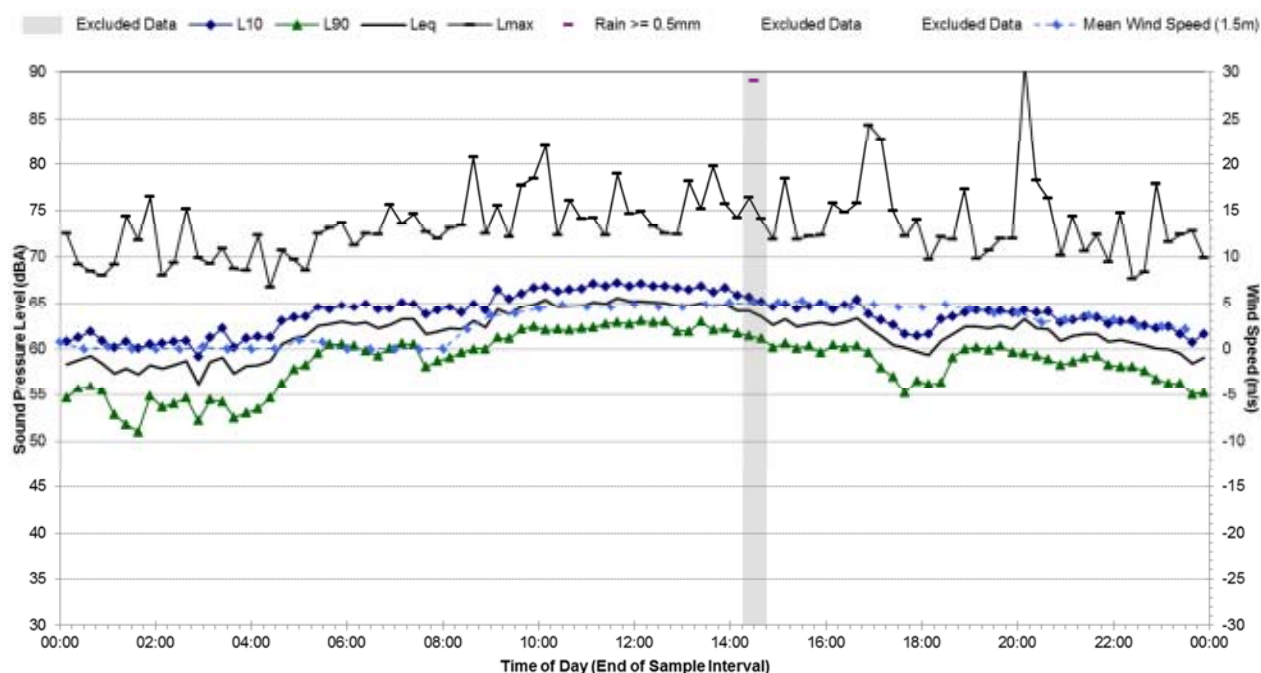
A2.5 - Wednesday, 20 February 2013



A2 Ambient Noise Monitoring Results

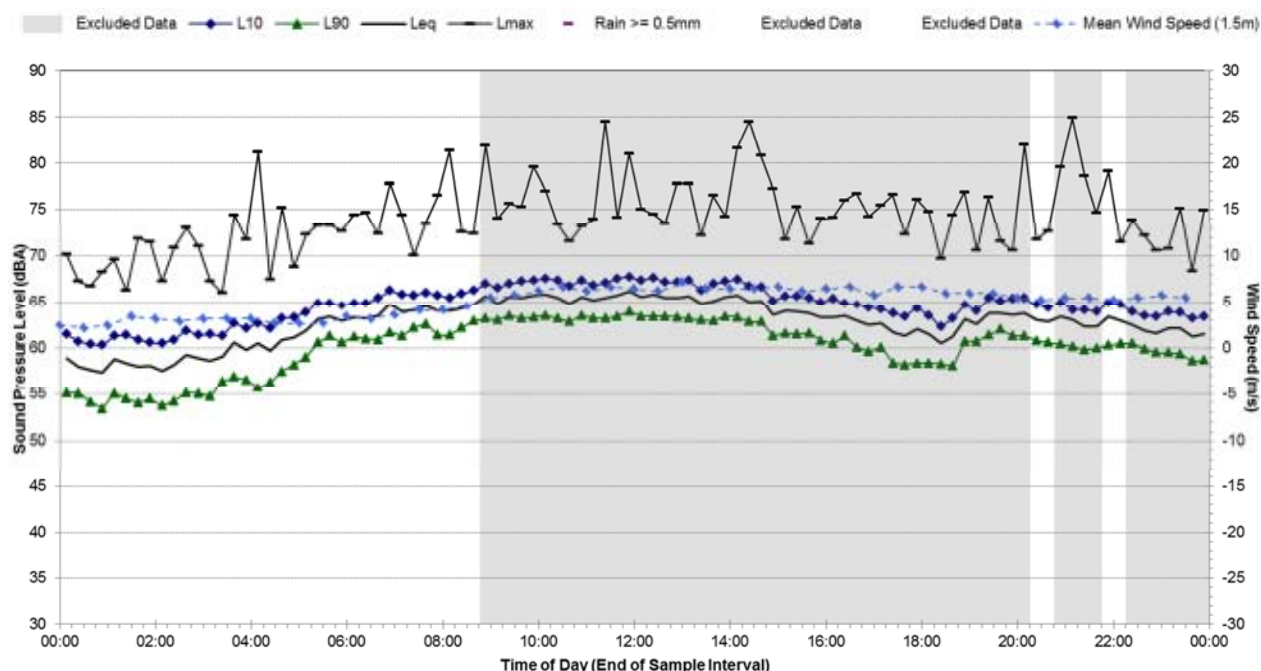
Statistical Ambient Noise Levels

A2.5 - Thursday, 21 February 2013



Statistical Ambient Noise Levels

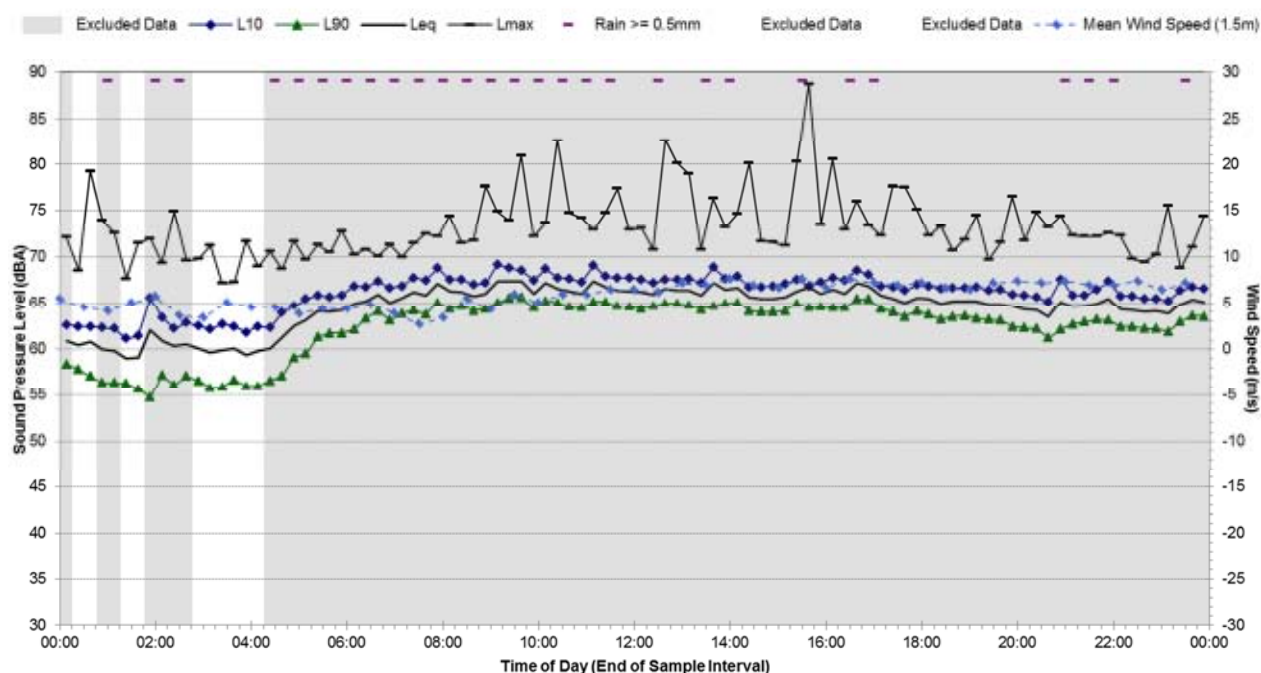
A2.5 - Friday, 22 February 2013



A2 Ambient Noise Monitoring Results

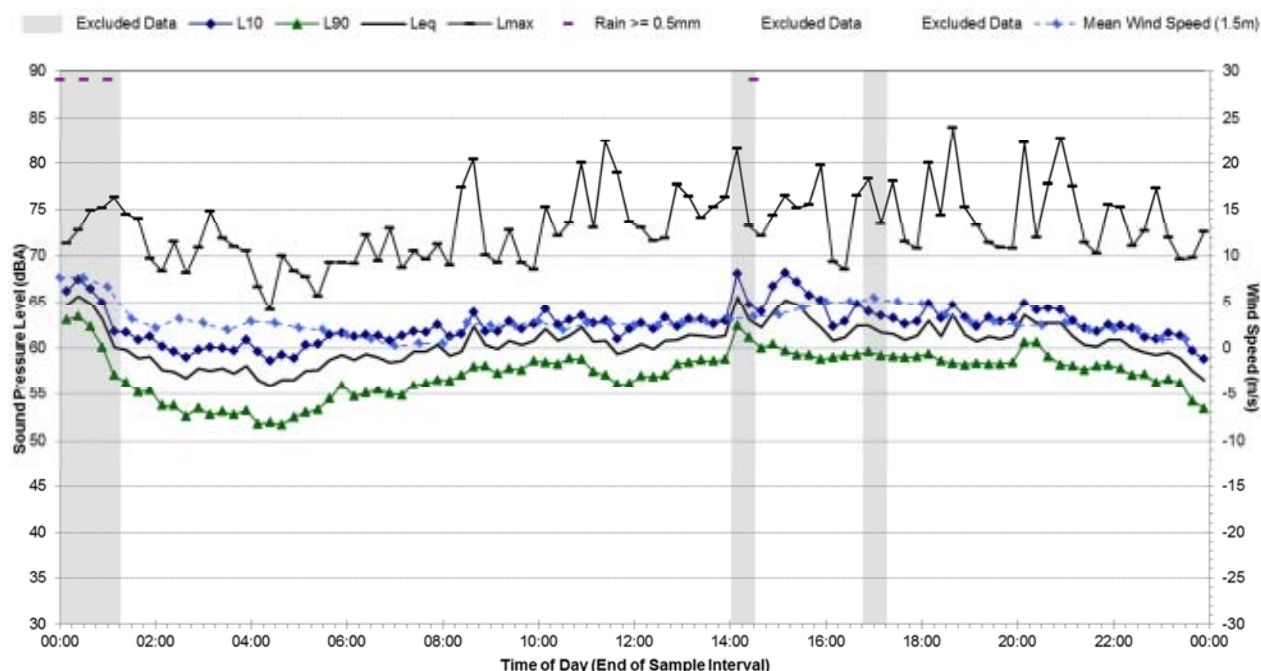
Statistical Ambient Noise Levels

A2.5 - Saturday, 23 February 2013



Statistical Ambient Noise Levels

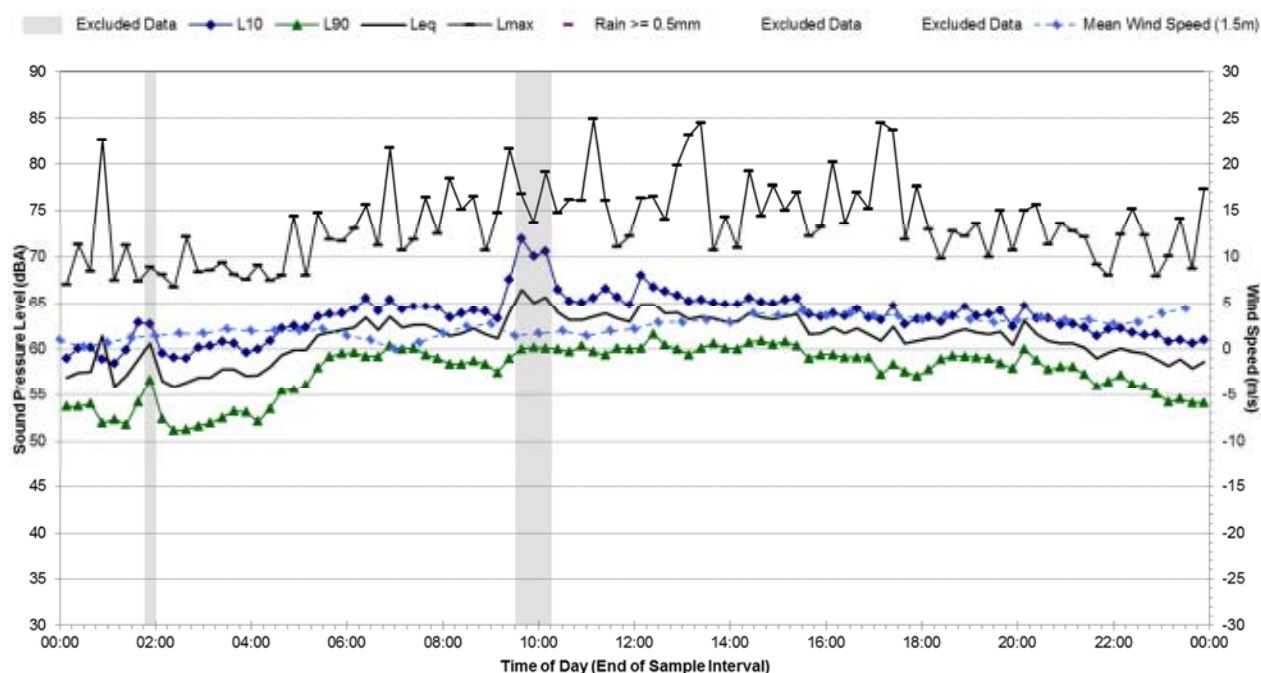
A2.5 - Sunday, 24 February 2013



A2 Ambient Noise Monitoring Results

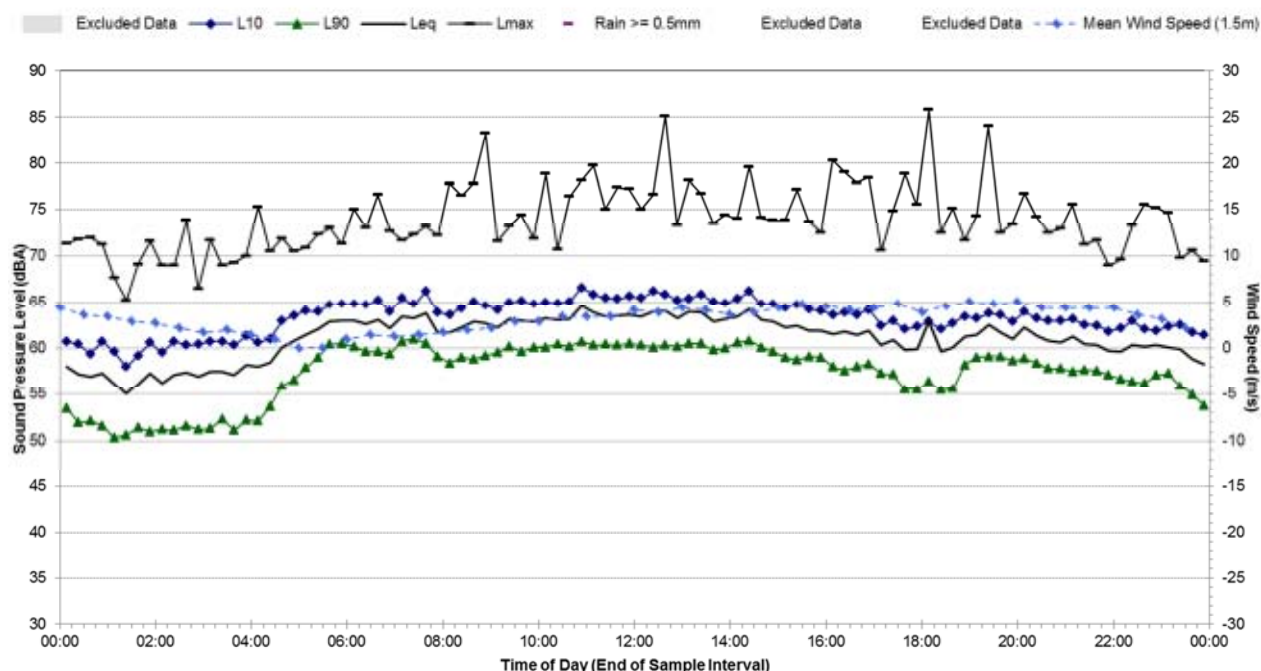
Statistical Ambient Noise Levels

A2.5 - Monday, 25 February 2013



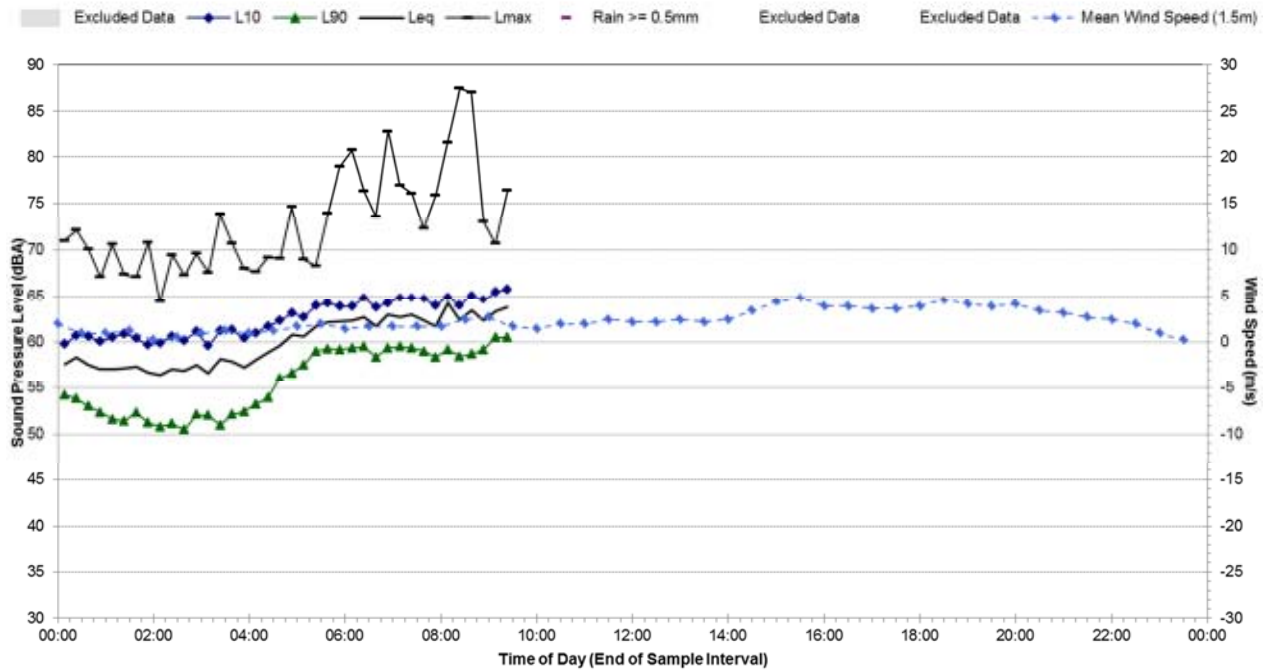
Statistical Ambient Noise Levels

A2.5 - Tuesday, 26 February 2013



Statistical Ambient Noise Levels

A2.5 - Wednesday, 27 February 2013



A2 Ambient Noise Monitoring Results



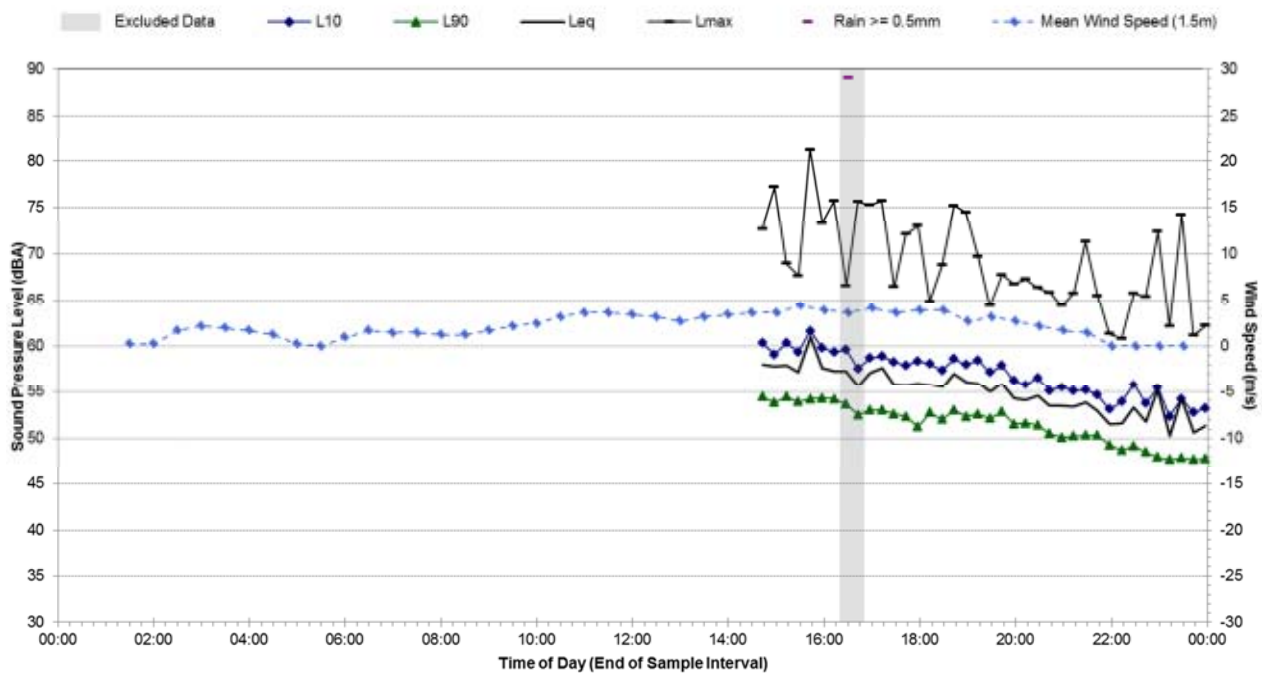
Noise Monitoring Location: A2.6		Map of Noise Monitoring Location		
Noise Monitoring Address: 25A Arthur Street, Granville				
Logger Device Type: Svantek 957				
Logger Serial No: 27579				
Ambient noise logger deployed immediately outside residential address 25A Arthur Street, Granville. Logger located in front yard on northern side of property.				
Attended noise measurements indicate the ambient noise environment at this location is dominated by road traffic noise from the M4. Near continuous tyre-pavement noise from light-vehicle traffic on the M4 was observed at this location with heavy vehicle traffic noise observed several times per minute during the attended noise monitoring. Heavy vehicle noise was typically observed to be dominated by truck engine/exhaust.				
Recorded Noise Levels (LAmax):				
M4 Light-vehicle road traffic: typically 60-65 dBA, M4 Heavy-vehicle road traffic: 65-69 dBA, Local road traffic: 68 dBA, Insects: ~58 dBA (intermittent)				
Ambient Noise Logging Results – ICNG Defined Time Periods				
Monitoring Period	Noise Level (dBA)			
	RBL	LAeq	L10	L1
Daytime	51	58	60	65
Evening	51	56	57	62
Night-time	45	53	54	60
Ambient Noise Logging Results – RNP Defined Time Periods				
Monitoring Period	Noise Level (dBA)			
	Weekday LAeq(Period)	Weekend LAeq(Period)	Weekly LAeq(Period)	
Number of Valid Days	7	2	N/A (7 Day Average)	
Daytime (7am-10pm)	58	55	57	
Night-time (10pm-7am)	53	52	53	
Attended Noise Measurement Results				
Date	Start Time	Measured Noise Level (dBA)		
		LA90	LAeq	LAmax
13/02/2013	14:15	55	58	66

Photo of Noise Monitoring Location	
	

A2 Ambient Noise Monitoring Results

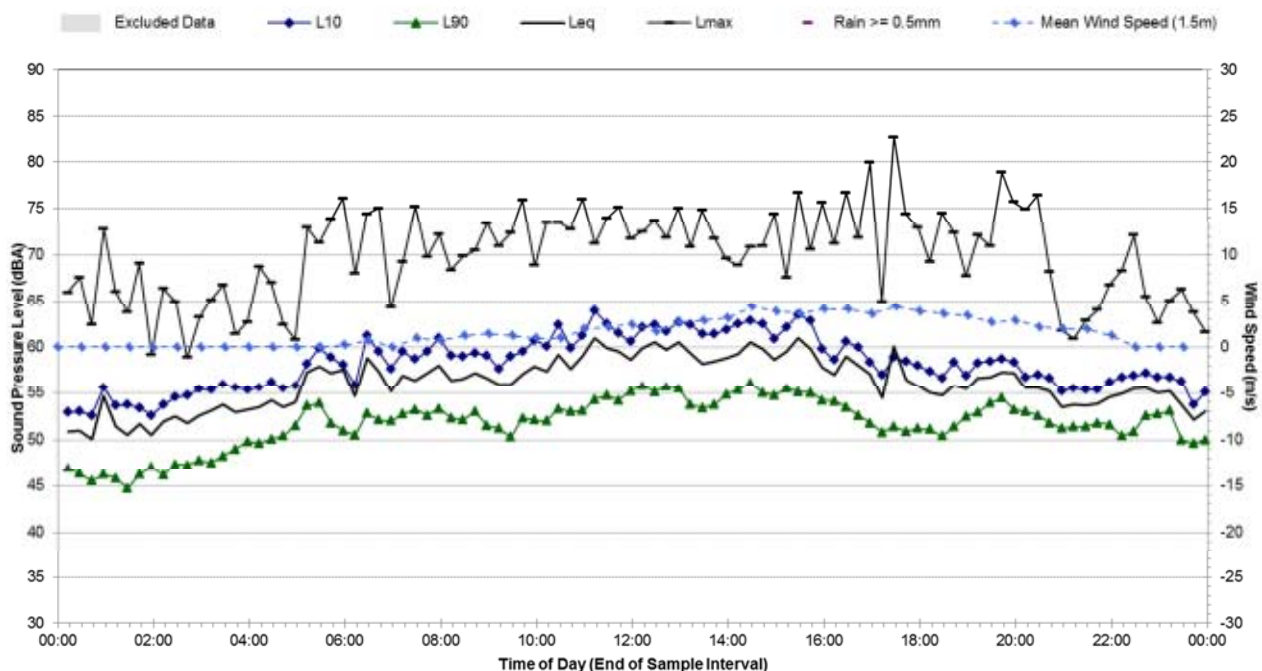
Statistical Ambient Noise Levels

A2.6 - Wednesday, 13 February 2013



Statistical Ambient Noise Levels

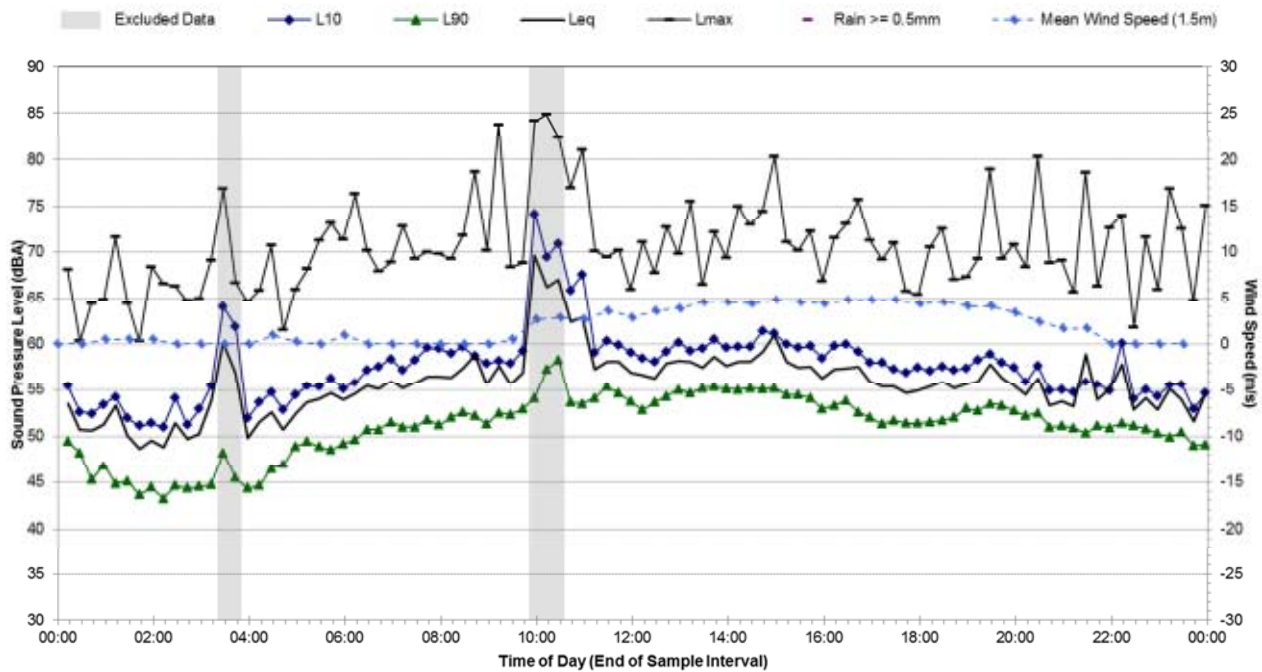
A2.6 - Thursday, 14 February 2013



A2 Ambient Noise Monitoring Results

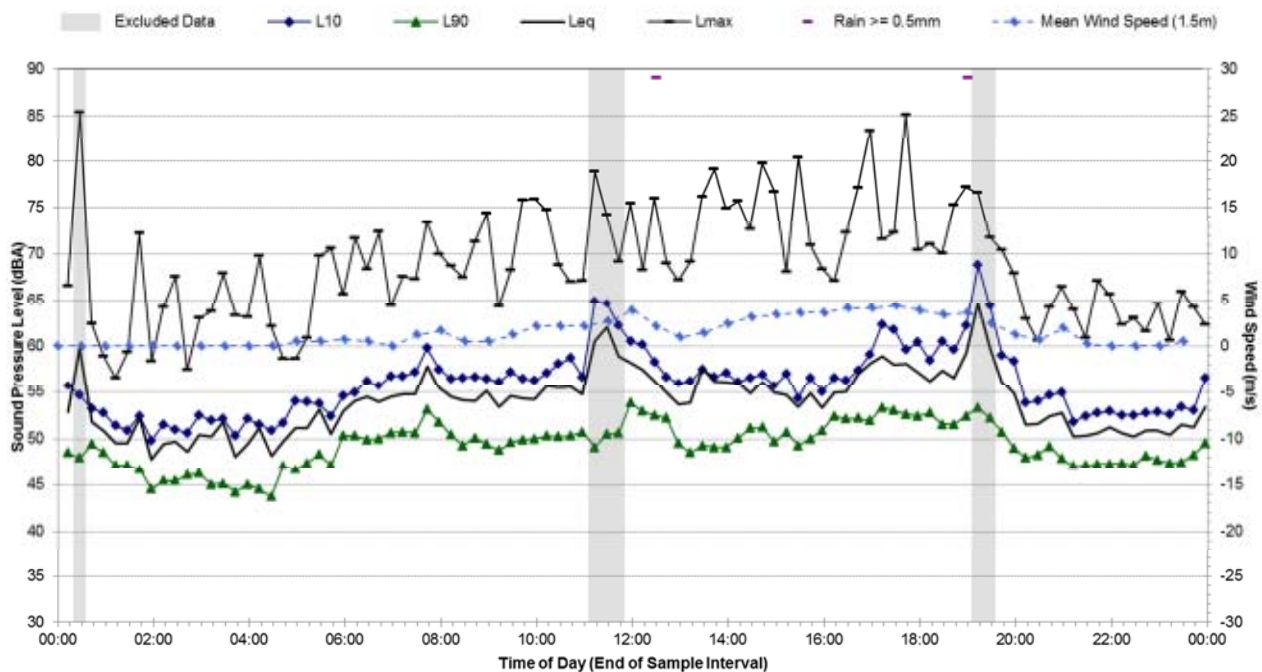
Statistical Ambient Noise Levels

A2.6 - Friday, 15 February 2013



Statistical Ambient Noise Levels

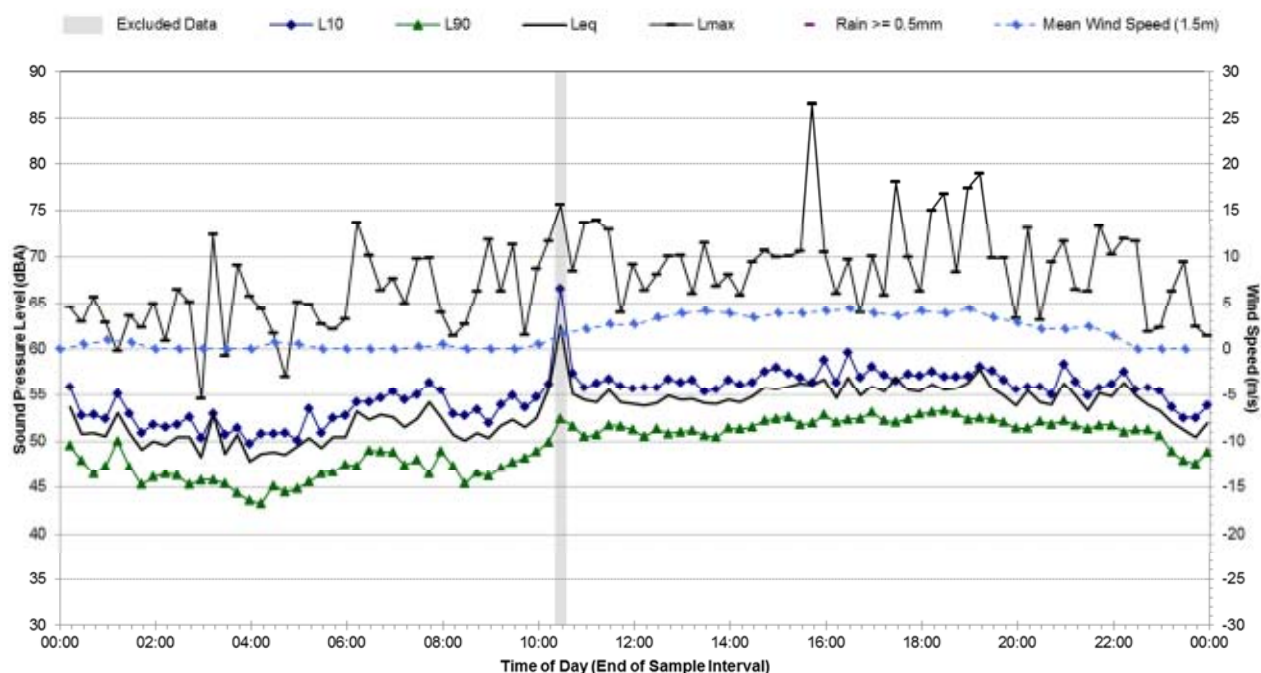
A2.6 - Saturday, 16 February 2013



A2 Ambient Noise Monitoring Results

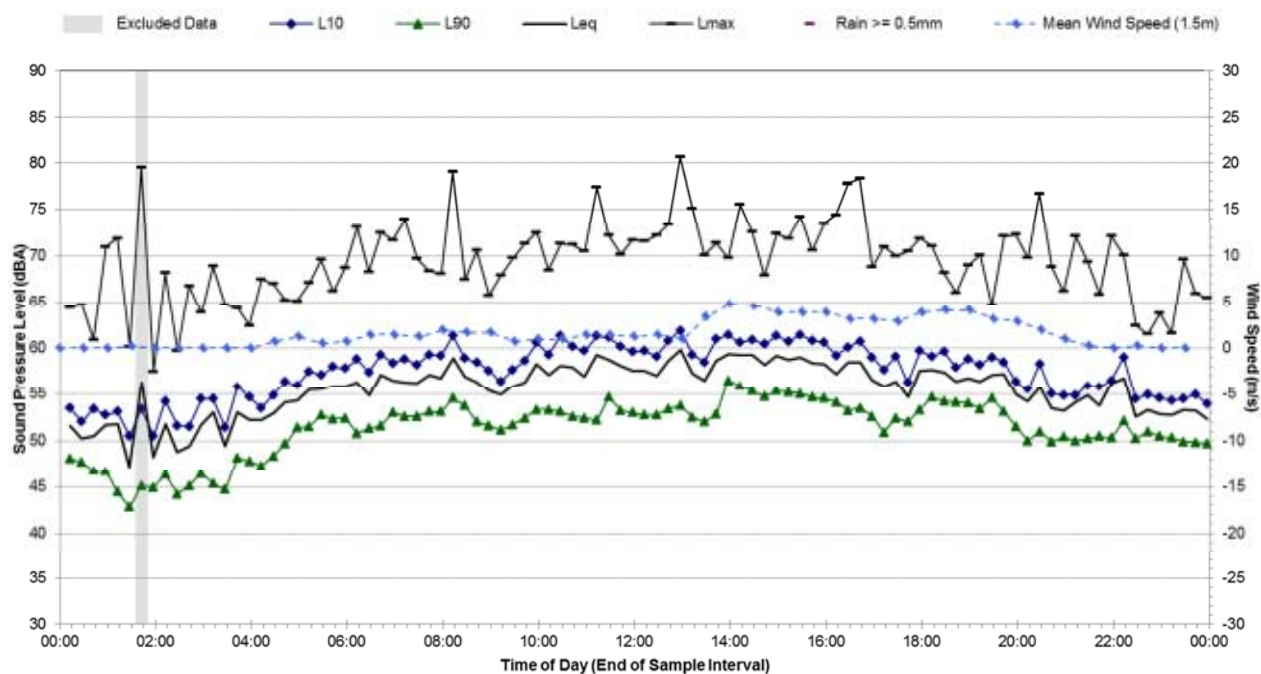
Statistical Ambient Noise Levels

A2.6 - Sunday, 17 February 2013



Statistical Ambient Noise Levels

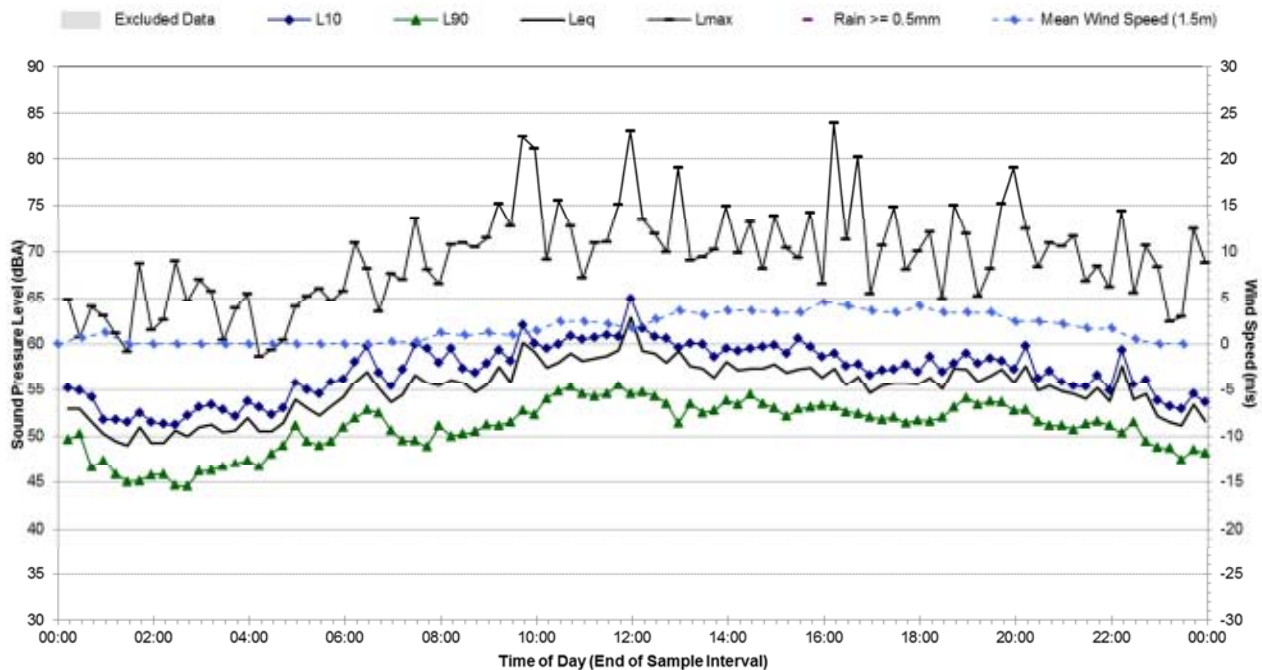
A2.6 - Monday, 18 February 2013



A2 Ambient Noise Monitoring Results

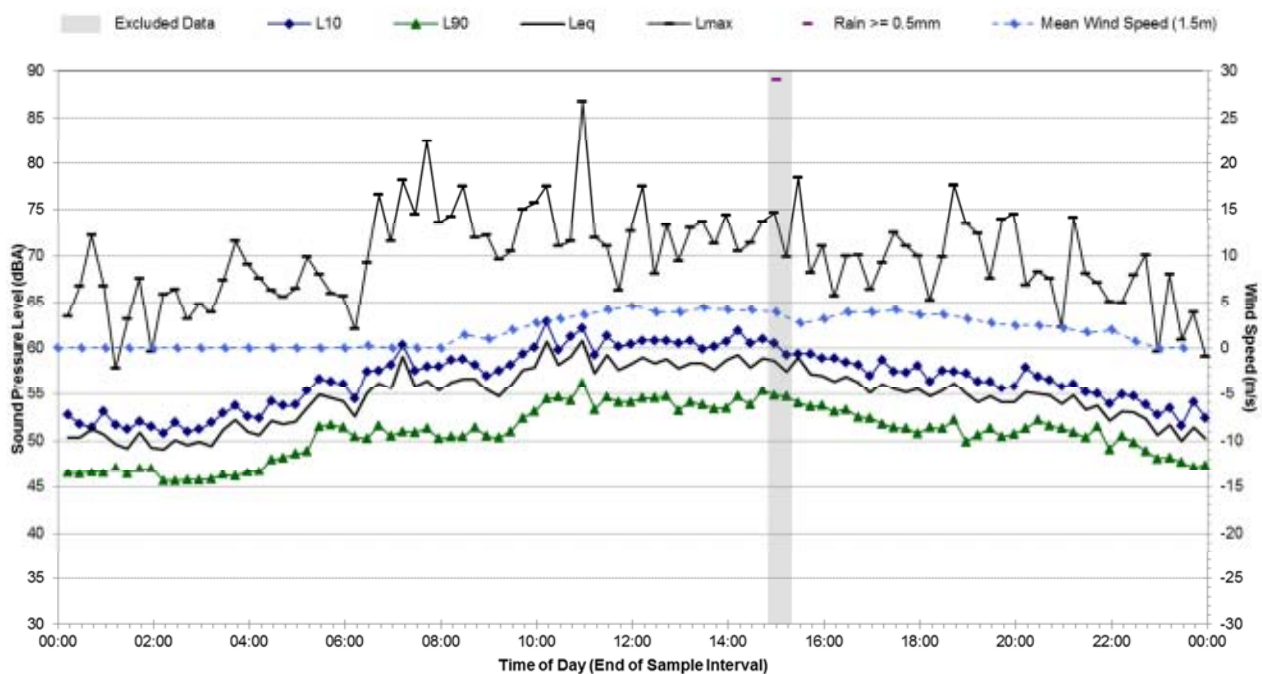
Statistical Ambient Noise Levels

A2.6 - Tuesday, 19 February 2013



Statistical Ambient Noise Levels

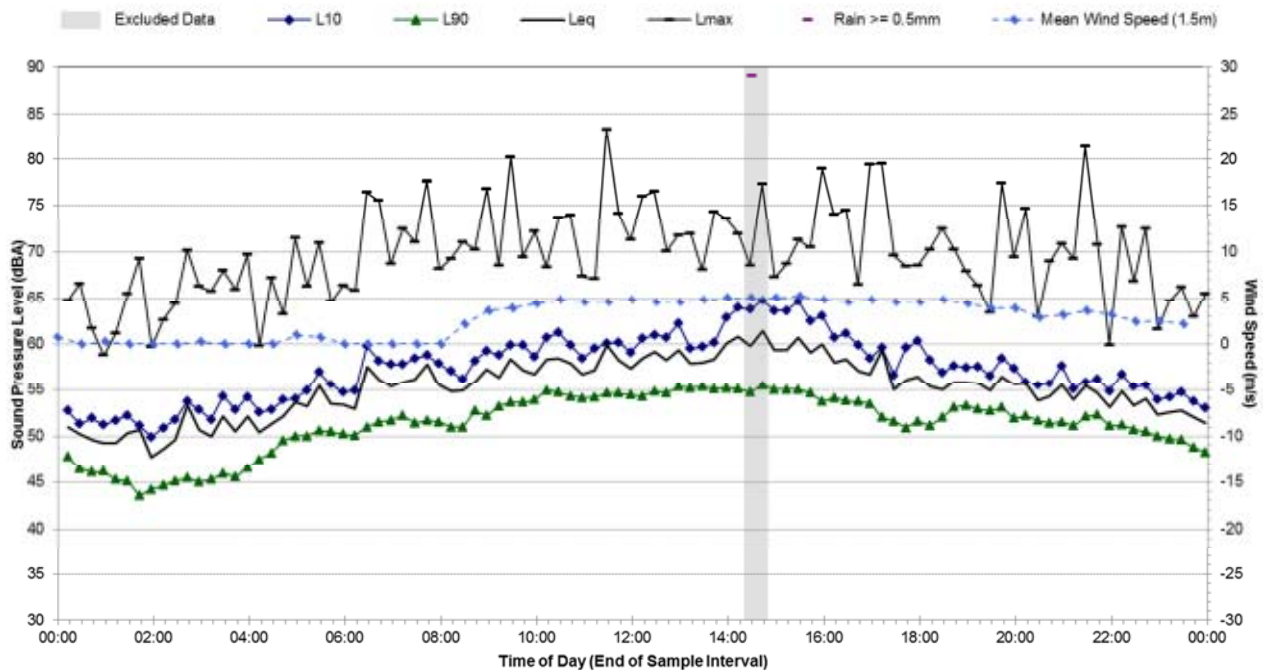
A2.6 - Wednesday, 20 February 2013



A2 Ambient Noise Monitoring Results

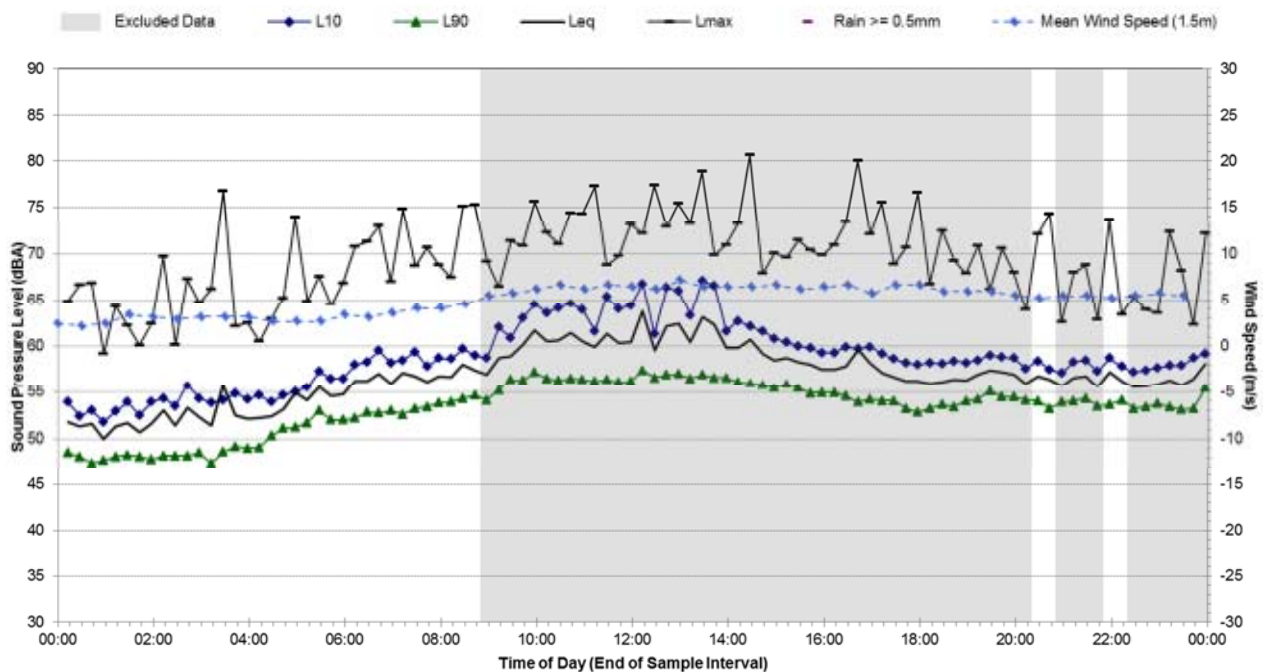
Statistical Ambient Noise Levels

A2.6 - Thursday, 21 February 2013



Statistical Ambient Noise Levels

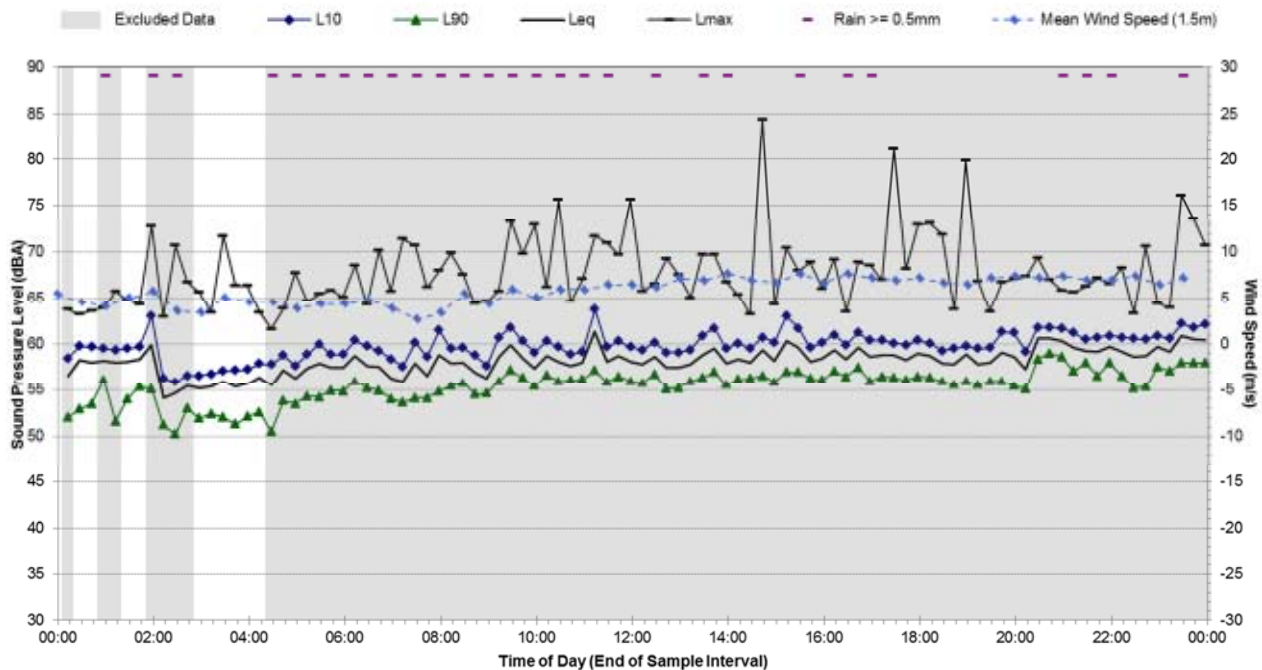
A2.6 - Friday, 22 February 2013



A2 Ambient Noise Monitoring Results

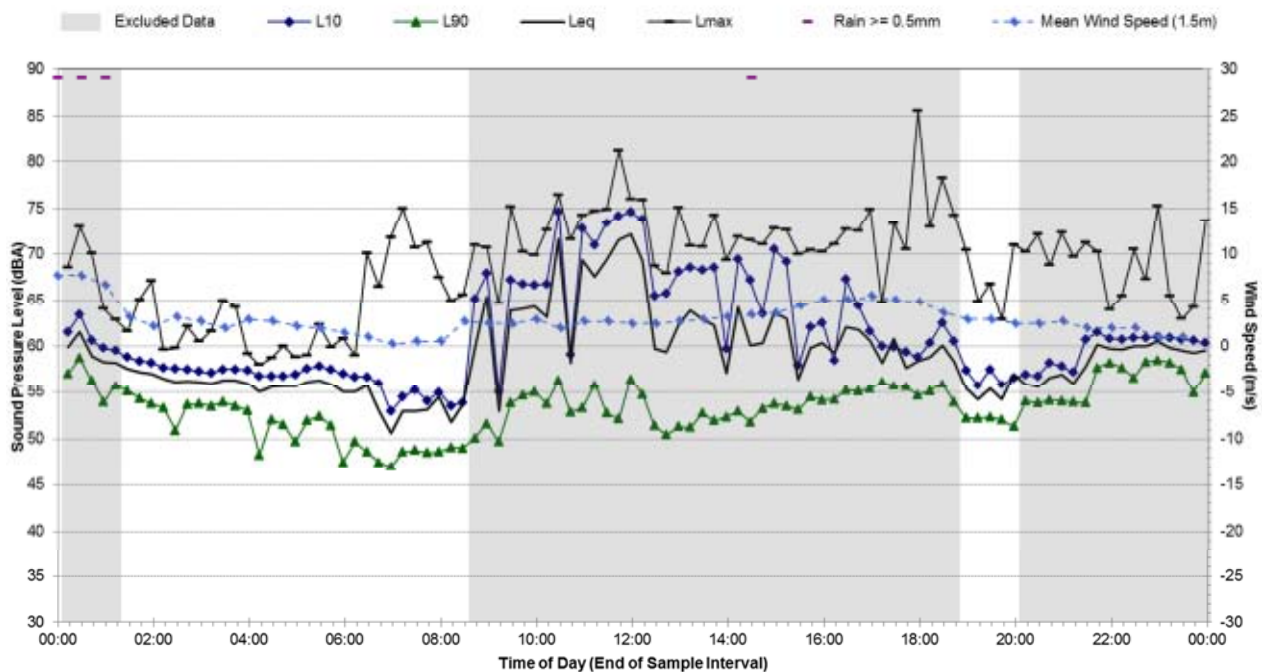
Statistical Ambient Noise Levels

A2.6 - Saturday, 23 February 2013



Statistical Ambient Noise Levels

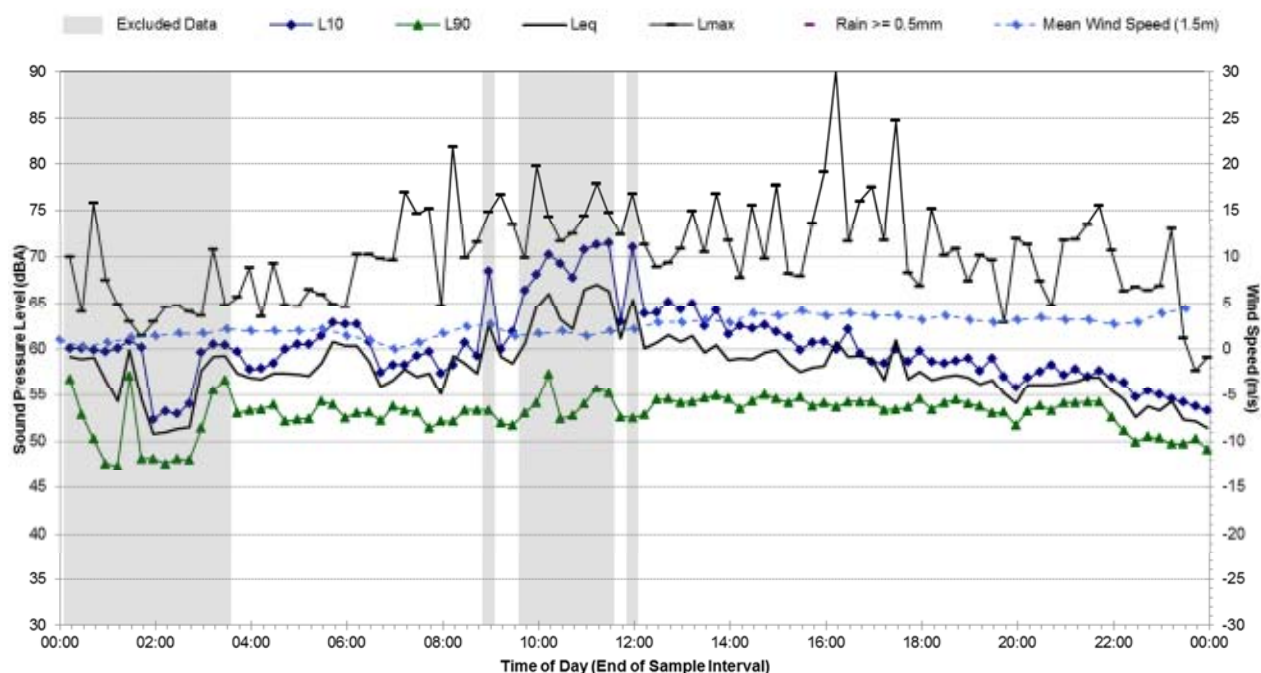
A2.6 - Sunday, 24 February 2013



A2 Ambient Noise Monitoring Results

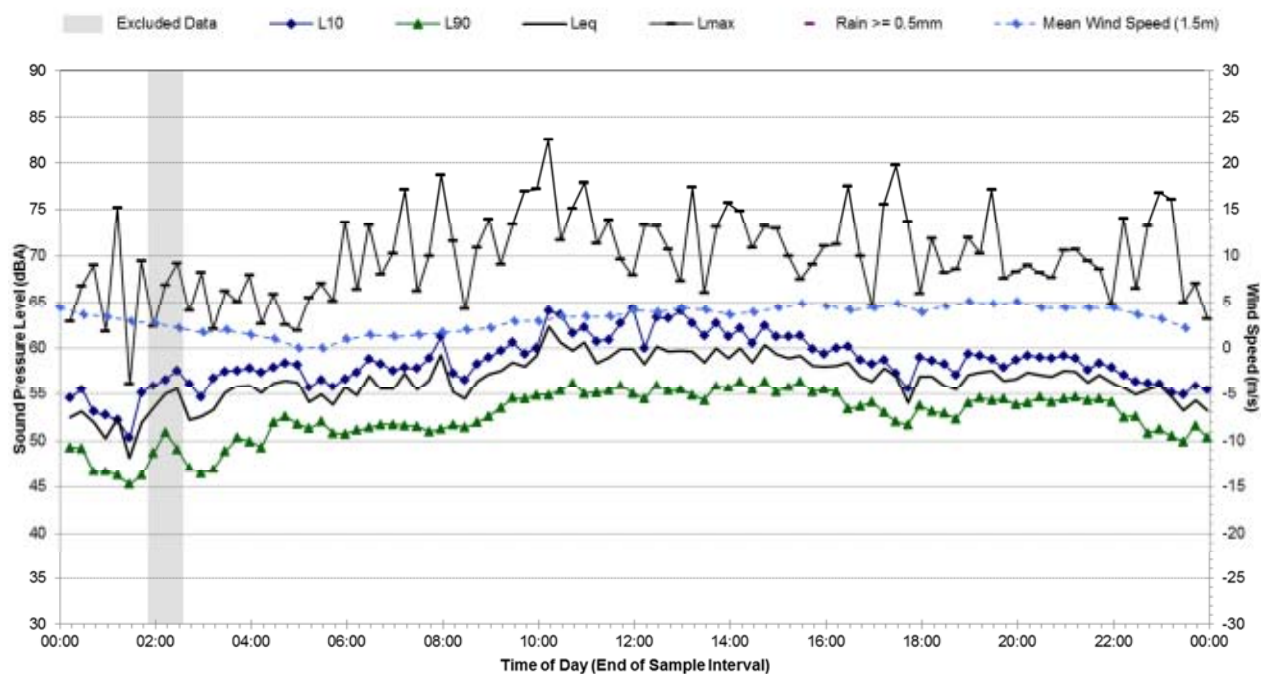
Statistical Ambient Noise Levels

A2.6 - Monday, 25 February 2013



Statistical Ambient Noise Levels

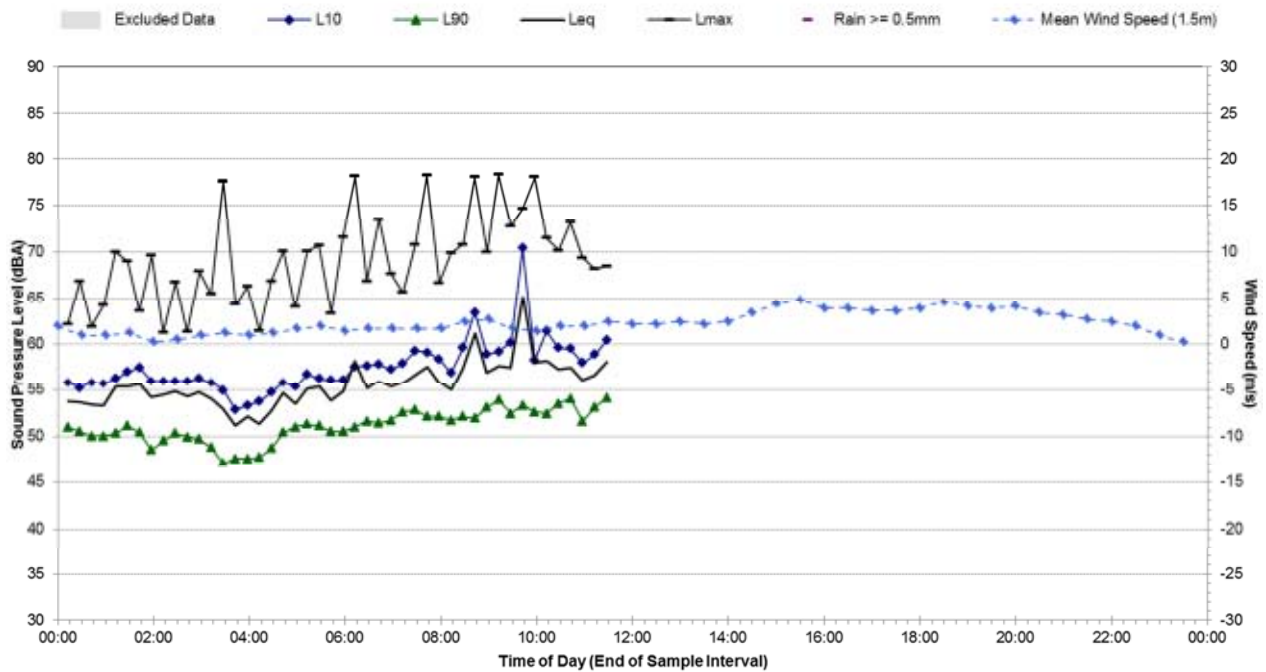
A2.6 - Tuesday, 26 February 2013




A2 Ambient Noise Monitoring Results


Statistical Ambient Noise Levels

A2.6 - Wednesday, 27 February 2013



A2 Ambient Noise Monitoring Results

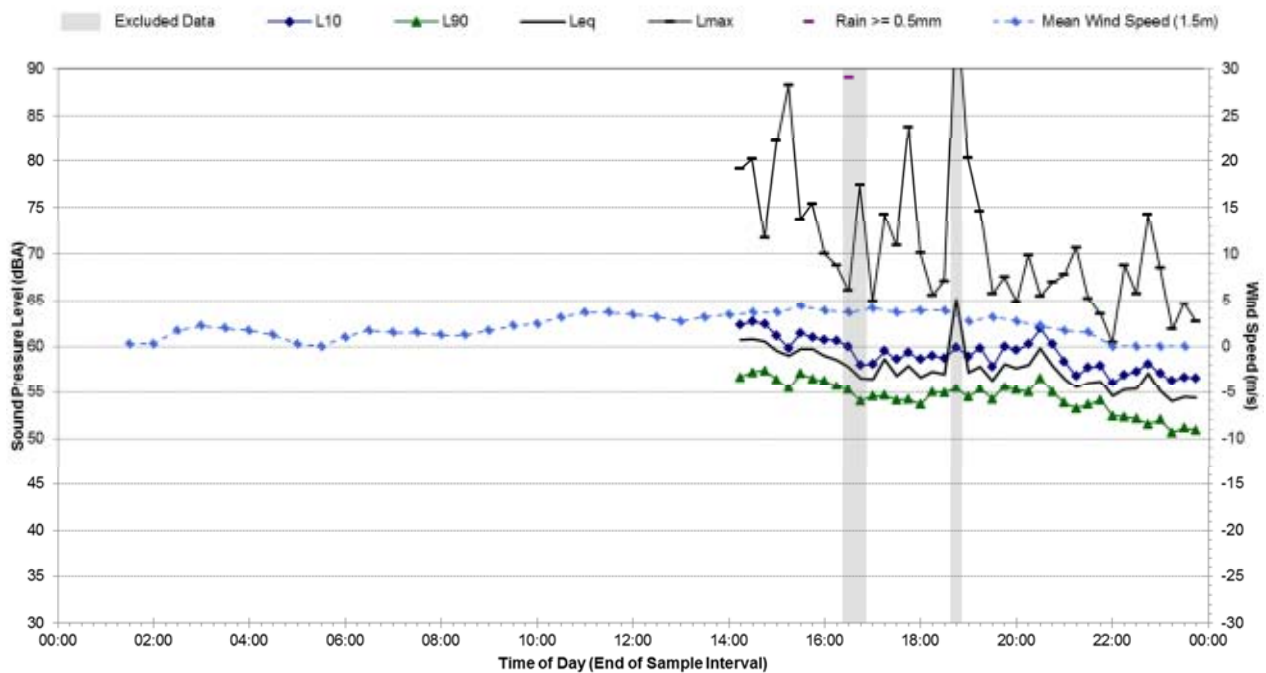
Noise Monitoring Location:		A2.7		Map of Noise Monitoring Location	
Noise Monitoring Address:		9 A'Beckett Street, Granville			
Logger Device Type: Svantek 957					
Logger Serial No: 23244					
Ambient noise logger deployed immediately outside residential address 9 A'Beckett Street, Granville. Logger located in front yard on southern side of property.					
Attended noise measurements indicate the ambient noise environment at this location is dominated by road traffic noise from the M4 during the daytime. Near continuous tyre-pavement noise from light-vehicle traffic on the M4 was observed at this location with traffic noise from heavy vehicle movements observed several times per minute.					
Recorded Noise Levels (LAmax):					
M4 Heavy-vehicle road traffic: 60-62 dBA, Local road traffic: 68 dBA, Motorbikes 73 dB					

Ambient Noise Logging Results – ICNG Defined Time Periods					Photo of Noise Monitoring Location	
Monitoring Period	Noise Level (dBA)					
	RBL	LAeq	L10	L1		
Daytime	52	58	59	64		
Evening	52	57	58	62		
Night-time	46	55	55	59		
Ambient Noise Logging Results – RNP Defined Time Periods						
Monitoring Period	Noise Level (dBA)					
	Weekday LAeq(Period)	Weekend LAeq(Period)	Weekly LAeq(Period)			
Number of Valid Days	8	2	N/A (7 Day Average)			
Daytime (7am-10pm)	58	58	58			
Night-time (10pm-7am)	55	54	55			
Attended Noise Measurement Results						
Date	Start Time	Measured Noise Level (dBA)				
		LA90	LAeq	LAmax		
13/02/2013	13:47	57	60	73		

A2 Ambient Noise Monitoring Results

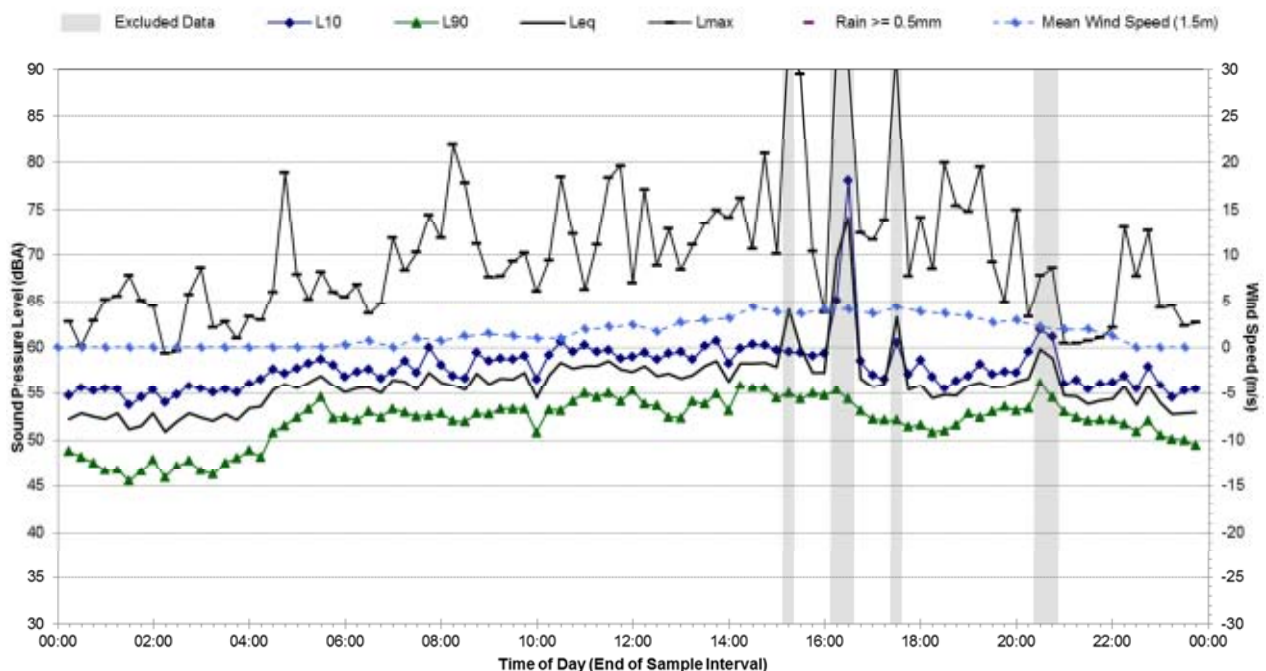
Statistical Ambient Noise Levels

A2.7 - Wednesday, 13 February 2013



Statistical Ambient Noise Levels

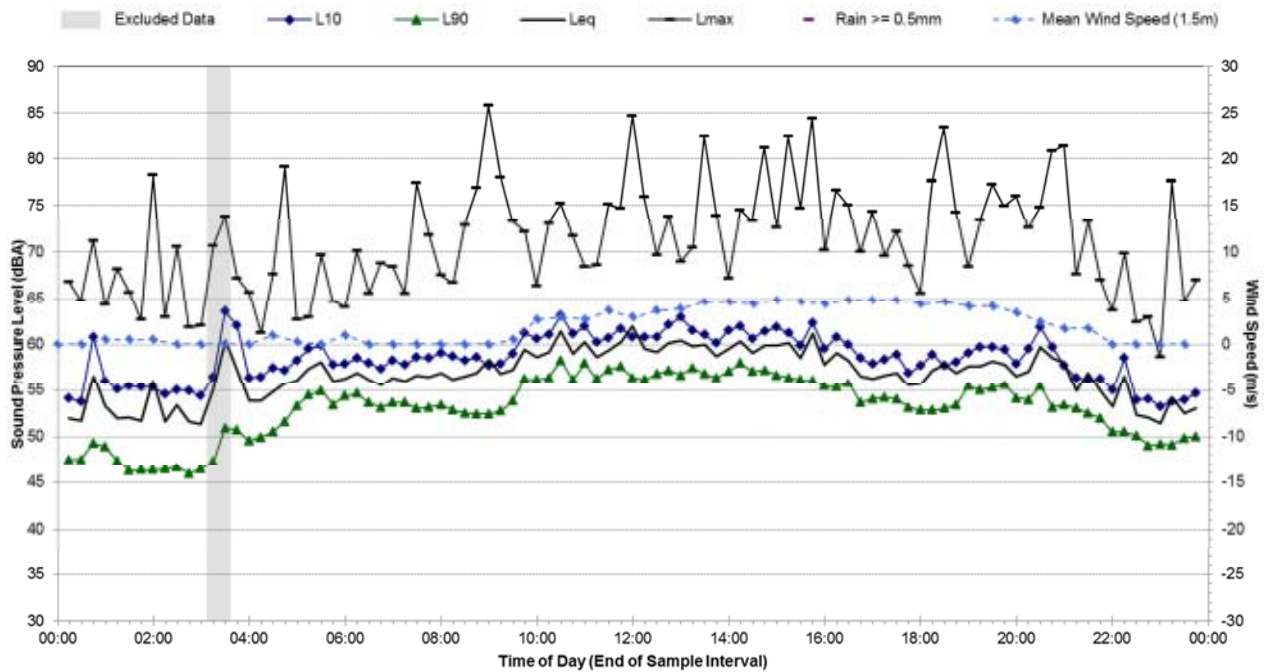
A2.7 - Thursday, 14 February 2013



A2 Ambient Noise Monitoring Results

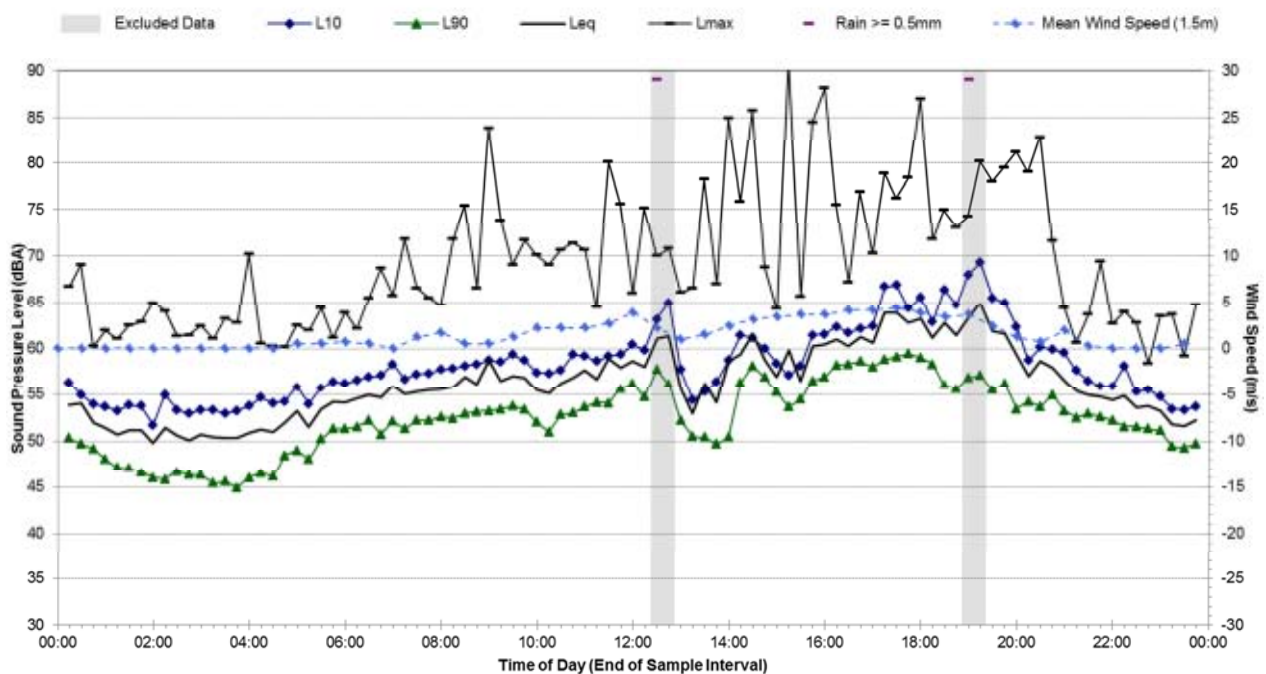
Statistical Ambient Noise Levels

A2.7 - Friday, 15 February 2013



Statistical Ambient Noise Levels

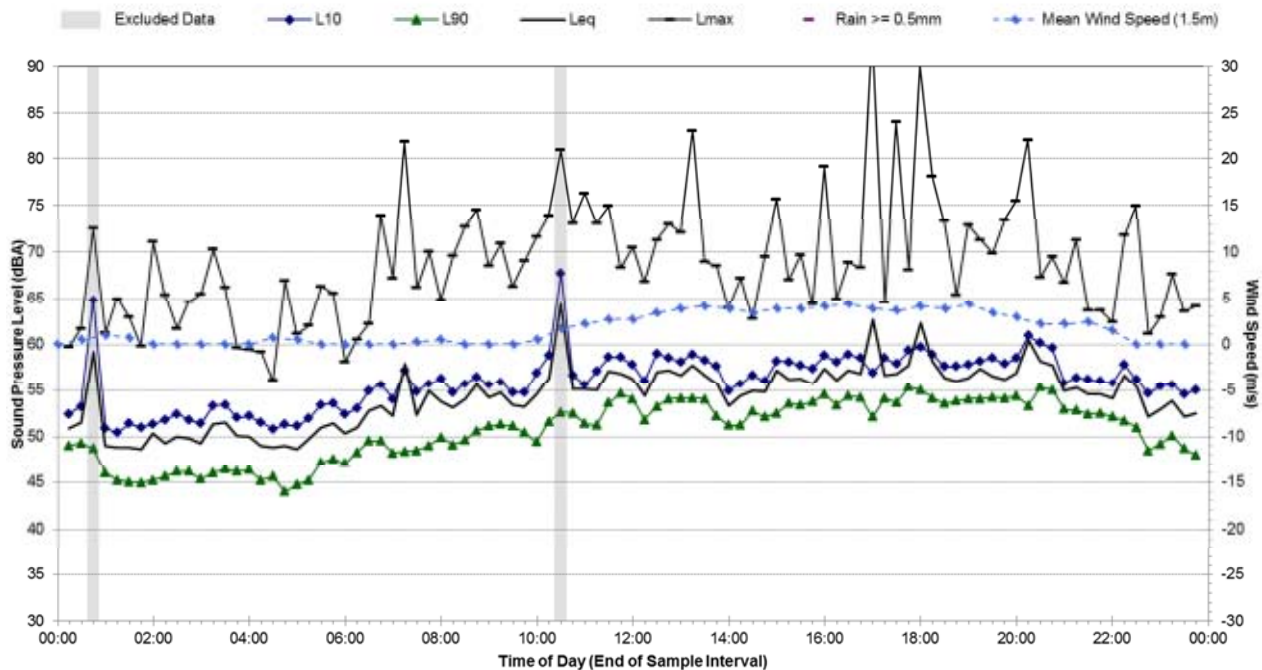
A2.7 - Saturday, 16 February 2013



A2 Ambient Noise Monitoring Results

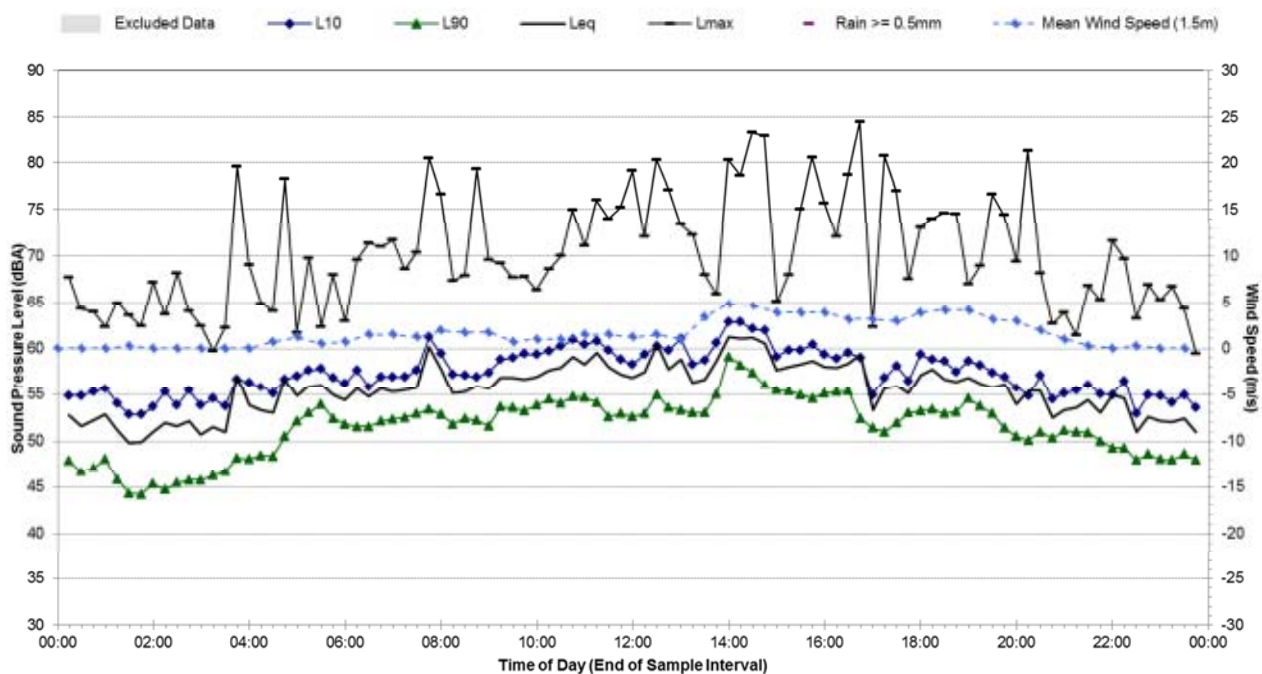
Statistical Ambient Noise Levels

A2.7 - Sunday, 17 February 2013



Statistical Ambient Noise Levels

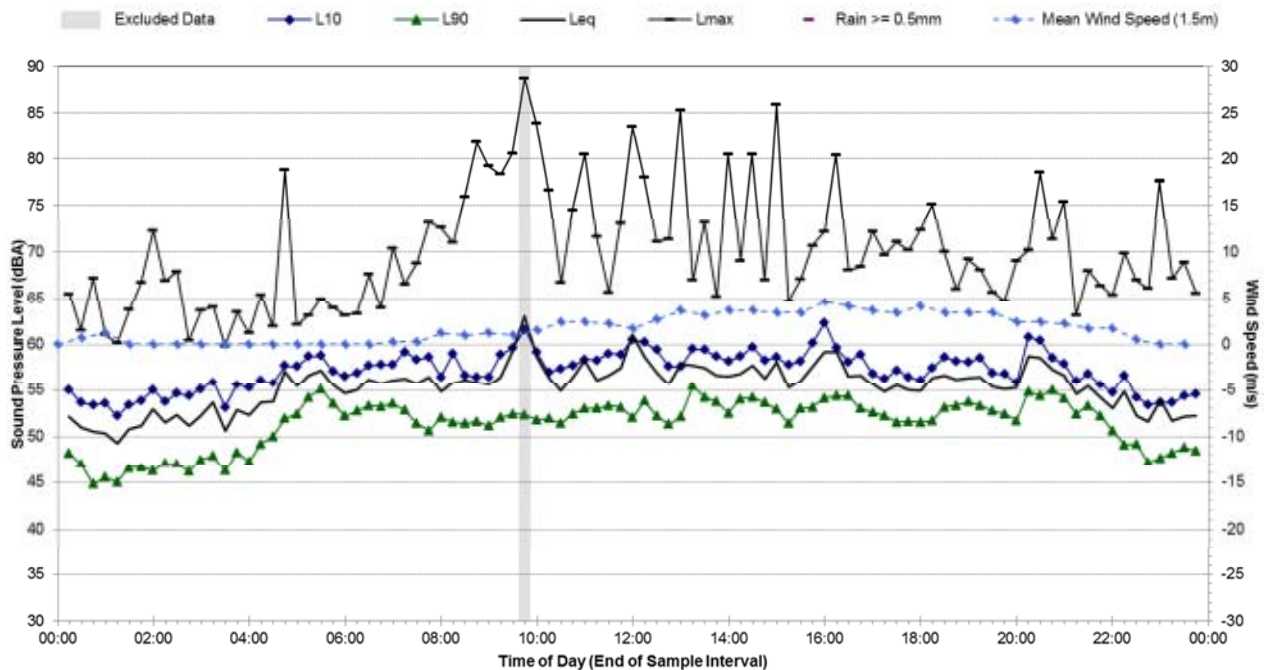
A2.7 - Monday, 18 February 2013



A2 Ambient Noise Monitoring Results

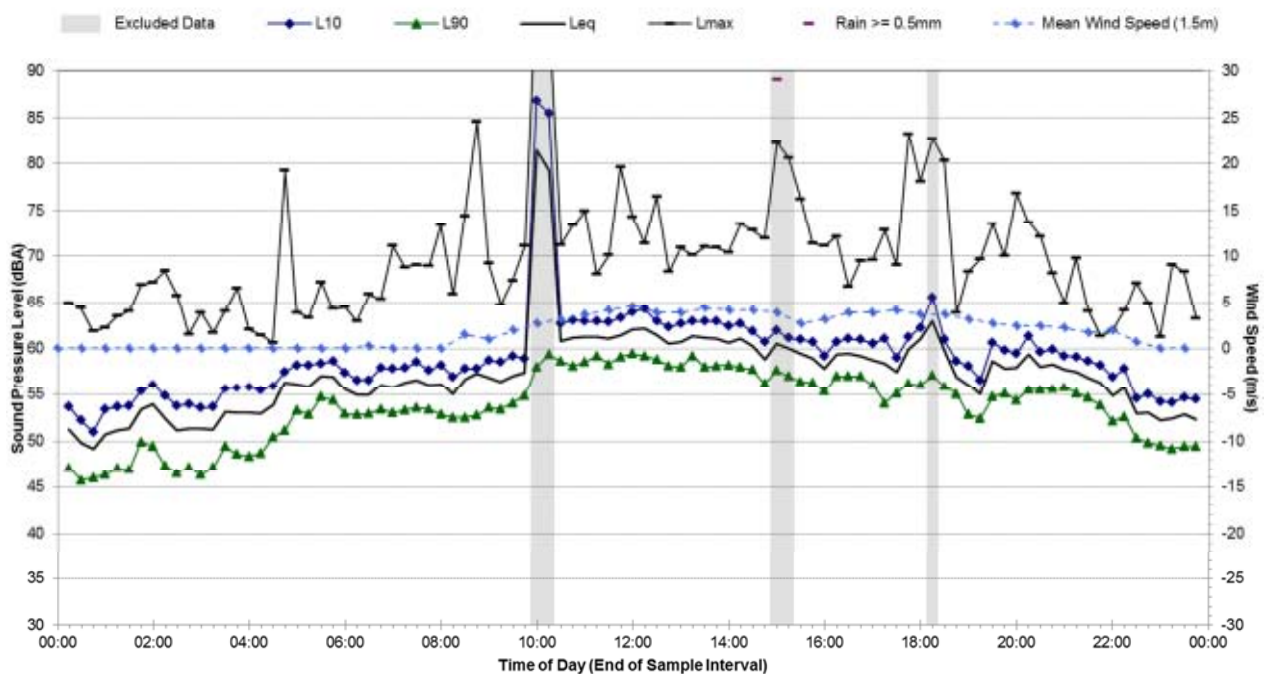
Statistical Ambient Noise Levels

A2.7 - Tuesday, 19 February 2013



Statistical Ambient Noise Levels

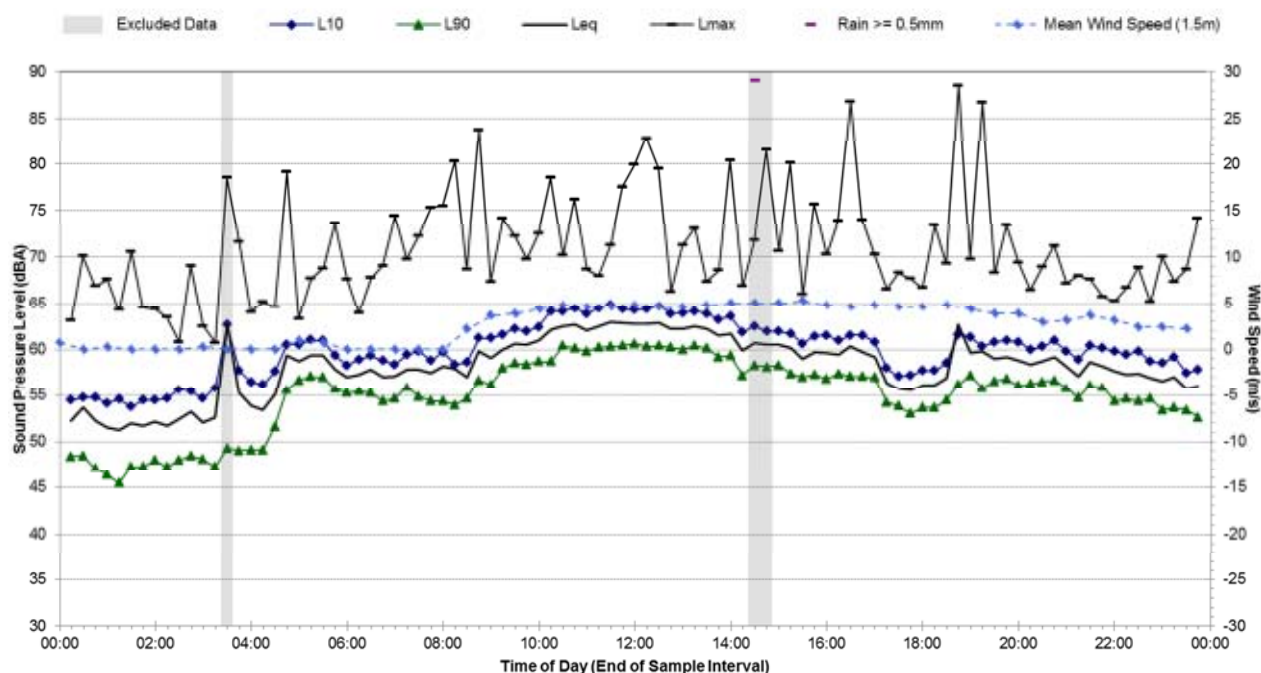
A2.7 - Wednesday, 20 February 2013



A2 Ambient Noise Monitoring Results

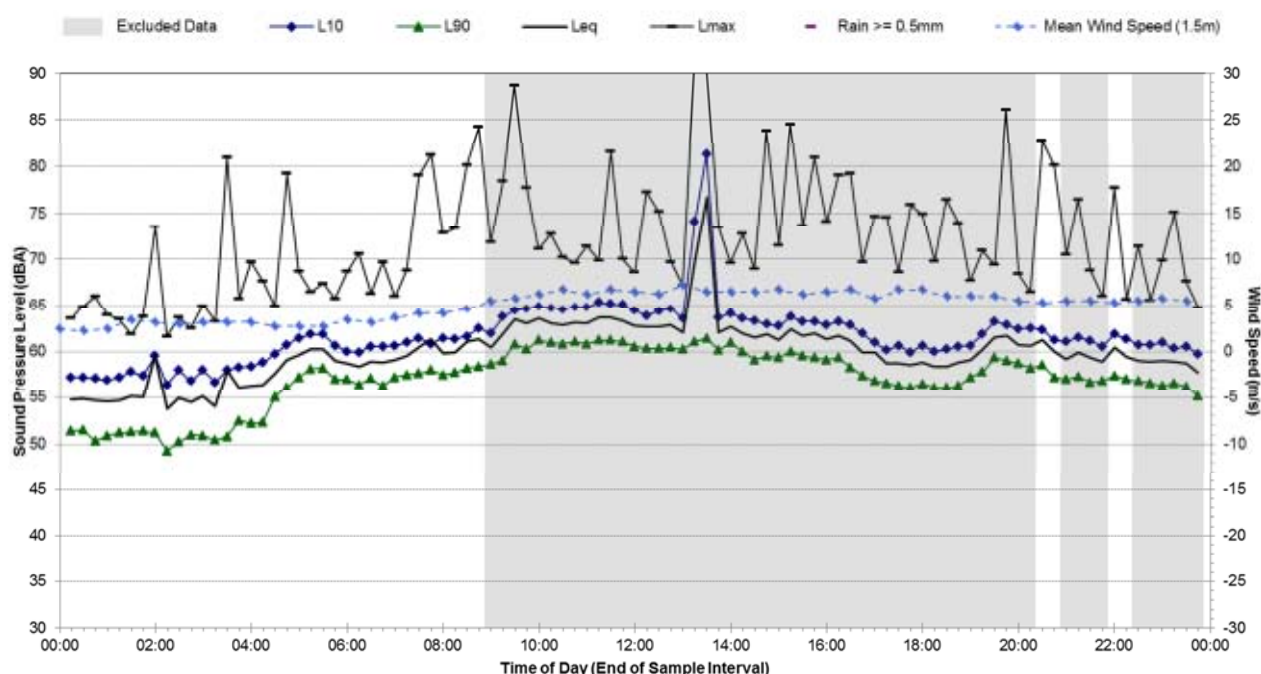
Statistical Ambient Noise Levels

A2.7 - Thursday, 21 February 2013



Statistical Ambient Noise Levels

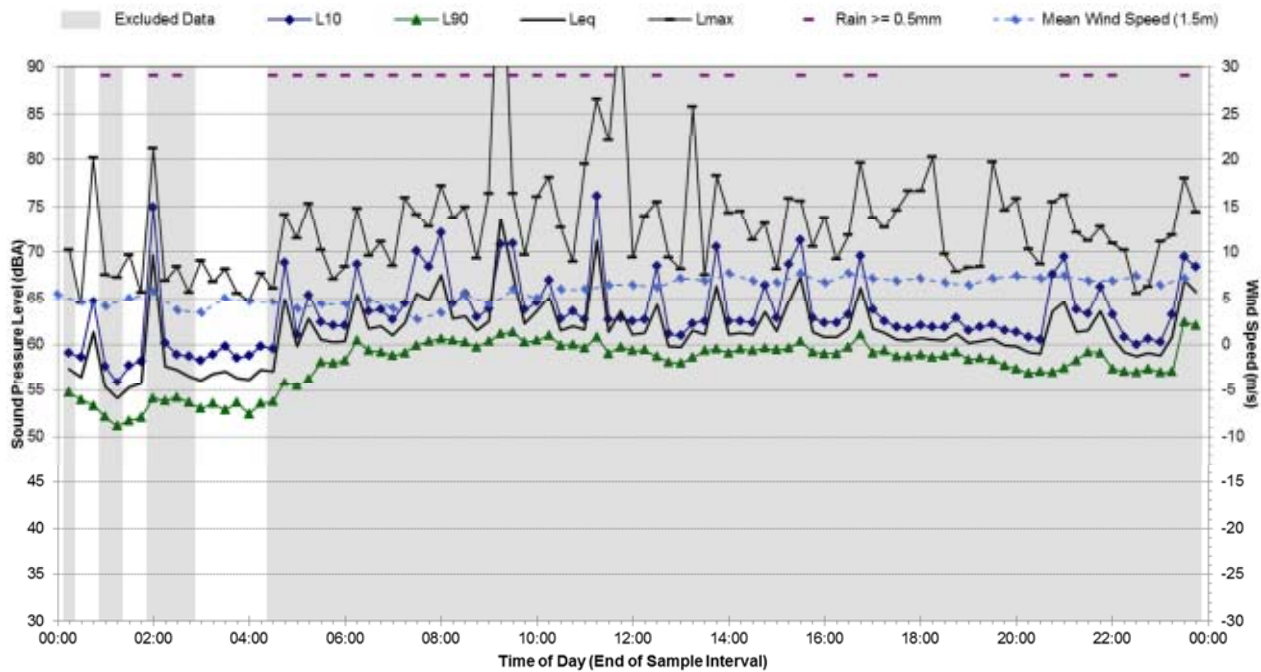
A2.7 - Friday, 22 February 2013



A2 Ambient Noise Monitoring Results

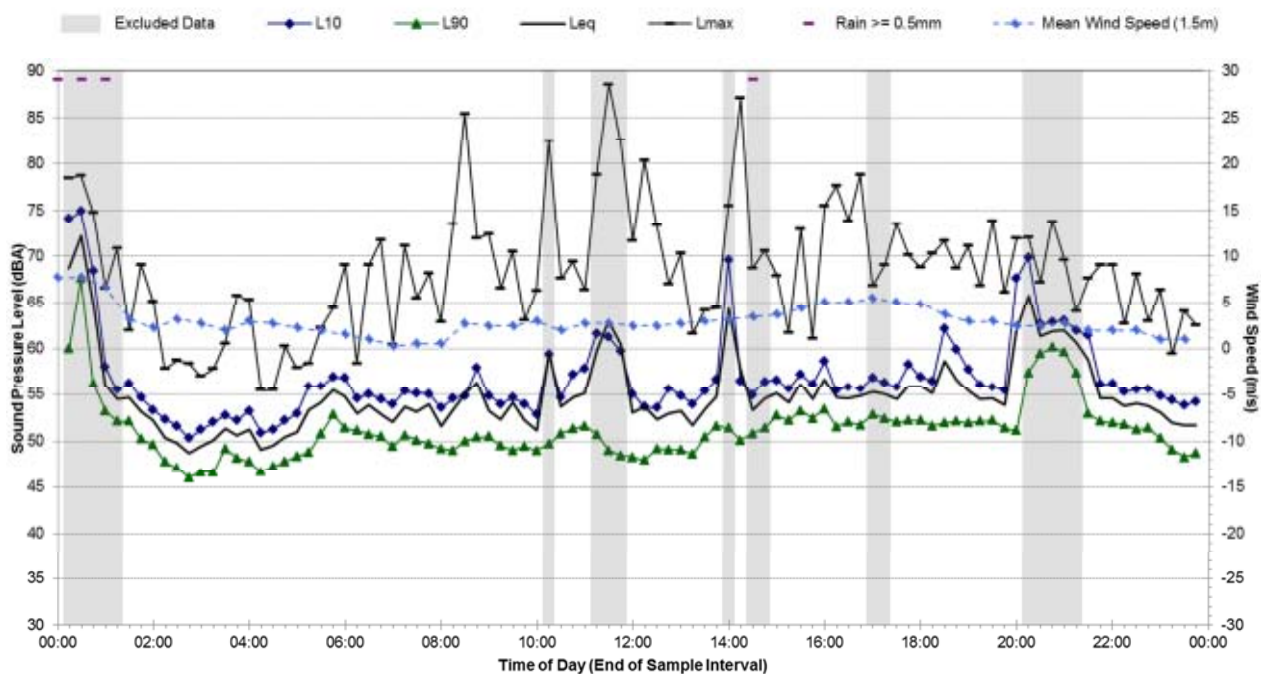
Statistical Ambient Noise Levels

A2.7 - Saturday, 23 February 2013



Statistical Ambient Noise Levels

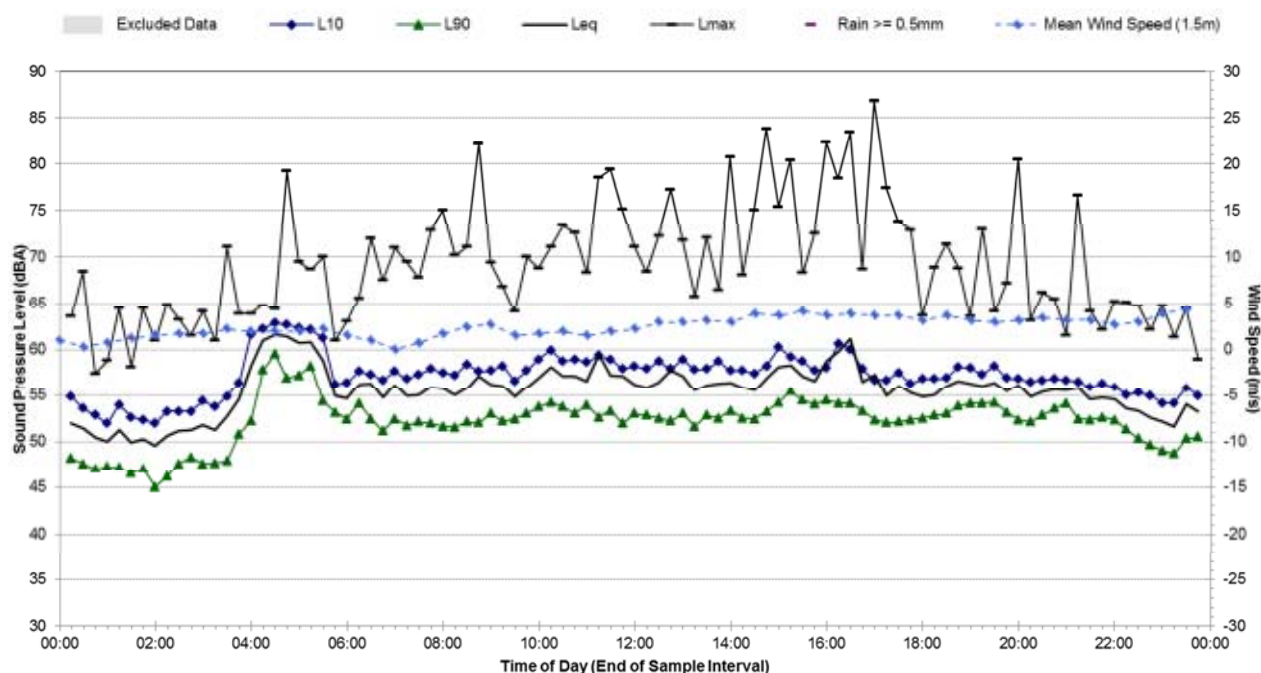
A2.7 - Sunday, 24 February 2013



A2 Ambient Noise Monitoring Results

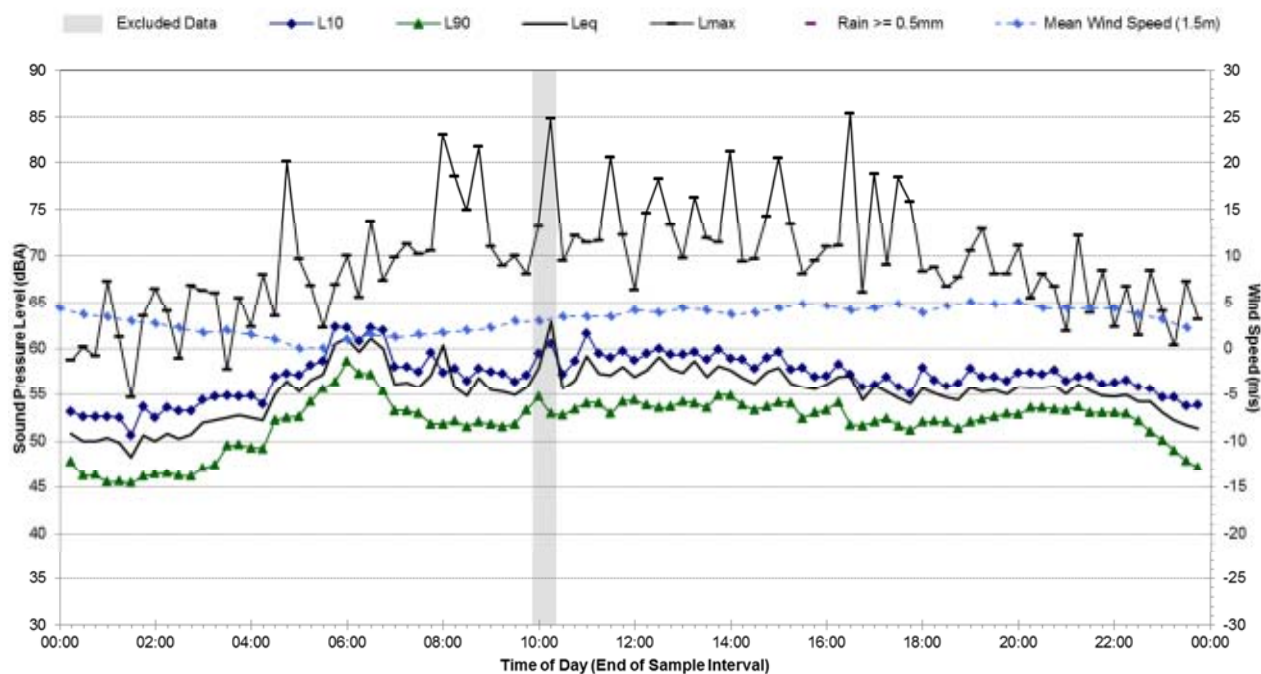
Statistical Ambient Noise Levels

A2.7 - Monday, 25 February 2013



Statistical Ambient Noise Levels

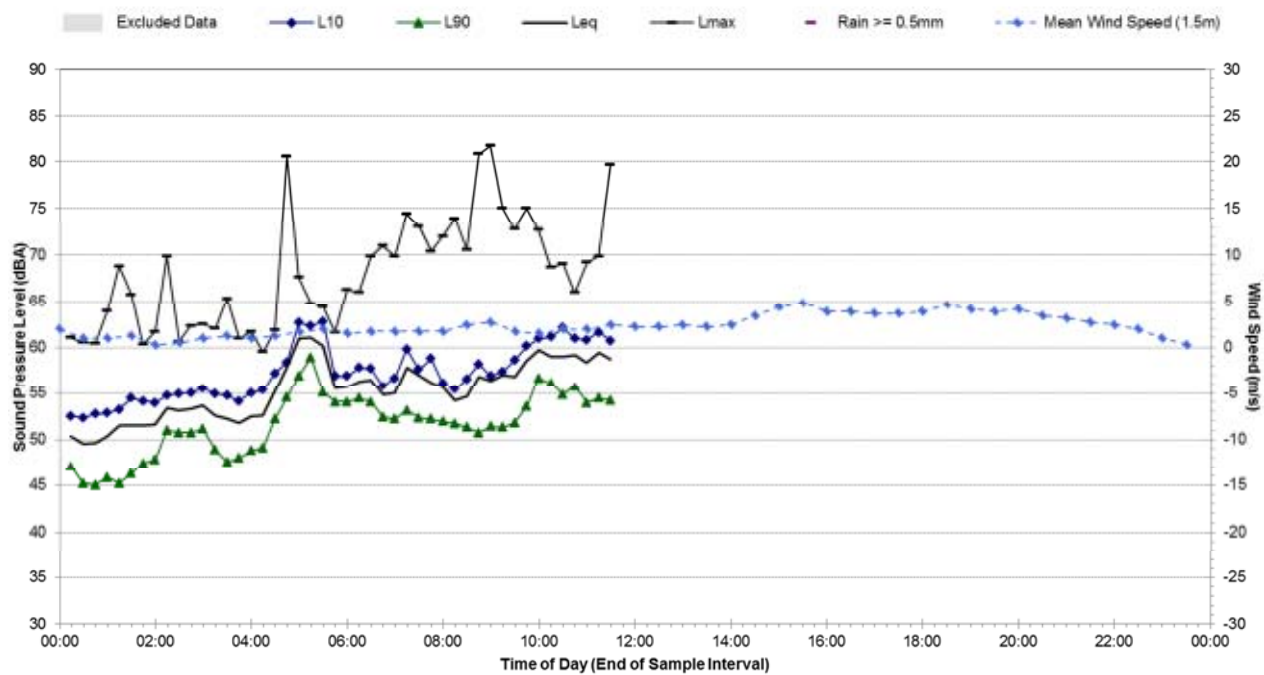
A2.7 - Tuesday, 26 February 2013



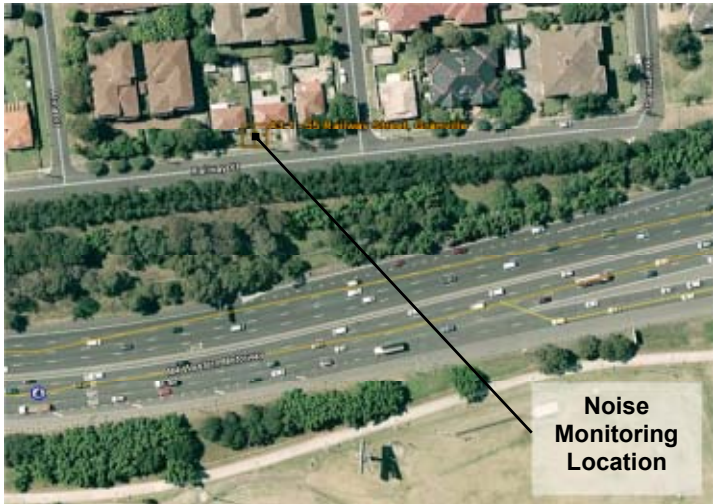

A2 Ambient Noise Monitoring Results

Statistical Ambient Noise Levels

A2.7 - Wednesday, 27 February 2013



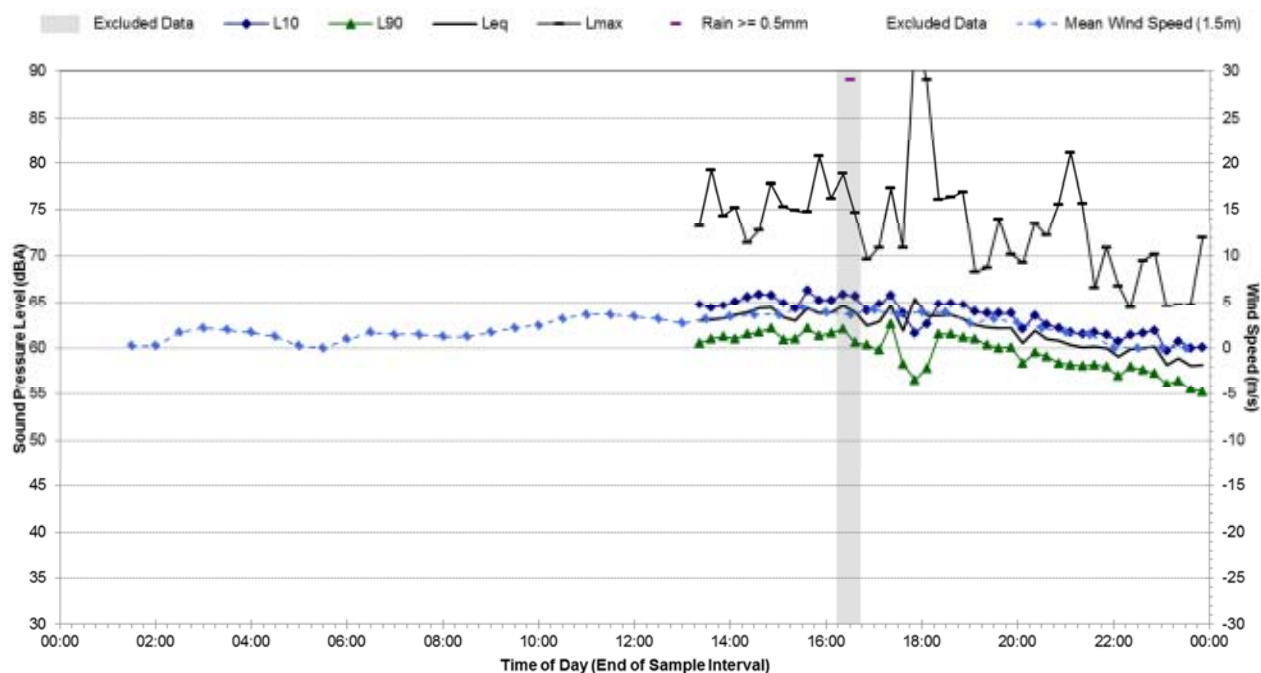
A3 Ambient Noise Monitoring Results

Noise Monitoring Location: A3.1		Map of Noise Monitoring Location				
Noise Monitoring Address: 55 Railway Street, Granville						
Logger Device Type: Svantek 957						
Logger Serial No: 20668						
<p>Ambient noise logger deployed outside residential address 55 Railway Street, Granville. Logger located in front yard on western side of property. Attended noise measurements indicate the ambient noise environment at this location is dominated by road traffic noise from the M4. Near continuous tyre-pavement noise from light-vehicle traffic on the M4 was observed at this location with traffic noise from heavy vehicle movements observed several times per minute.</p> <p>Analysis of ambient noise data shows periods of extraneous noise on 16/02/13 resulting in elevated Leq levels for the affected samples. These samples have been removed from the analysis.</p>						
<p>Recorded Noise Levels (LAmax):</p> <p>M4 Heavy-vehicle road traffic: 63-66dBA, Local road traffic: 68 - 75 dBA,</p>						
Ambient Noise Logging Results – ICNG Defined Time Periods		Photo of Noise Monitoring Location				
Monitoring Period	Noise Level (dBA)					
	RBL	LAeq	L10	L1		
Daytime	58	62	64	67		
Evening	58	62	63	66		
Night-time	51	58	60	63		
Ambient Noise Logging Results – RNP Defined Time Periods						
Monitoring Period	Noise Level (dBA)					
	Weekday LAeq(Period)				Weekend LAeq(Period)	Weekly LAeq(Period)
Number of Valid Days	8				3	N/A (7 Day Average)
Daytime (7am-10pm)	62				62	62
Night-time (10pm-7am)	58	58	58			
Attended Noise Measurement Results						
Date	Start Time	Measured Noise Level (dBA)				
		LA90	LAeq	LAmix		
13/02/2013	12:49	61	64	80		

A3 Ambient Noise Monitoring Results

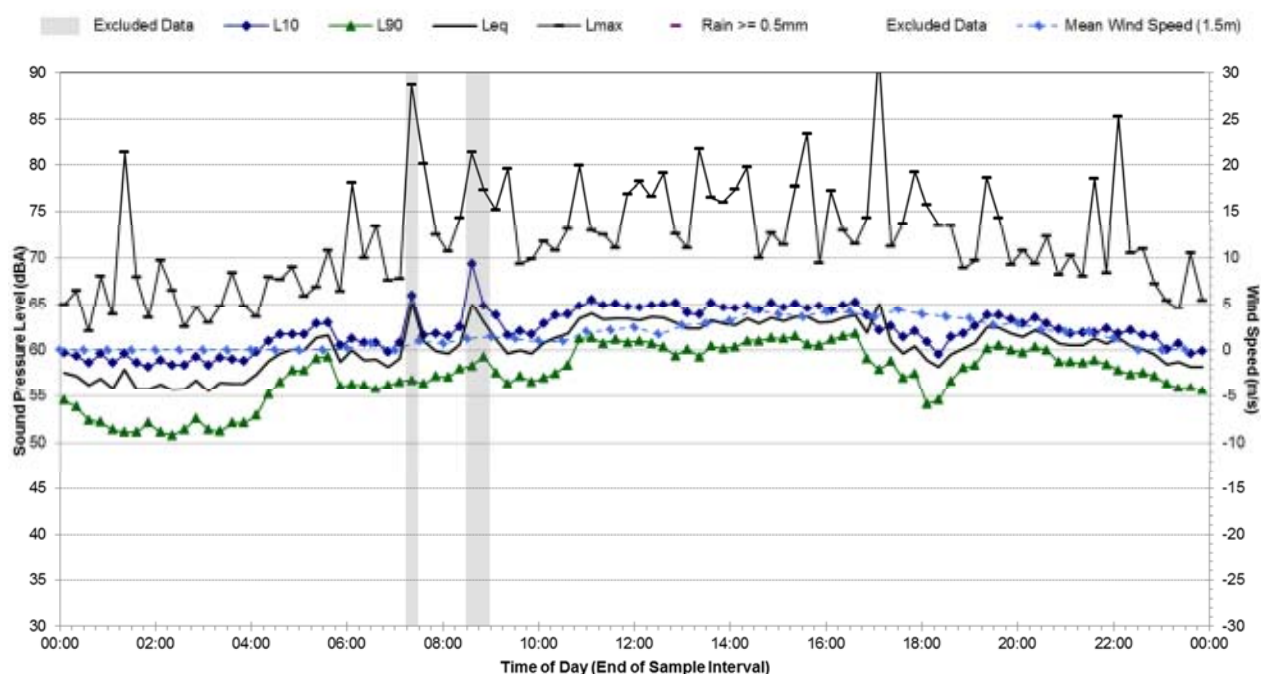
Statistical Ambient Noise Levels

A3.1 - Wednesday, 13 February 2013



Statistical Ambient Noise Levels

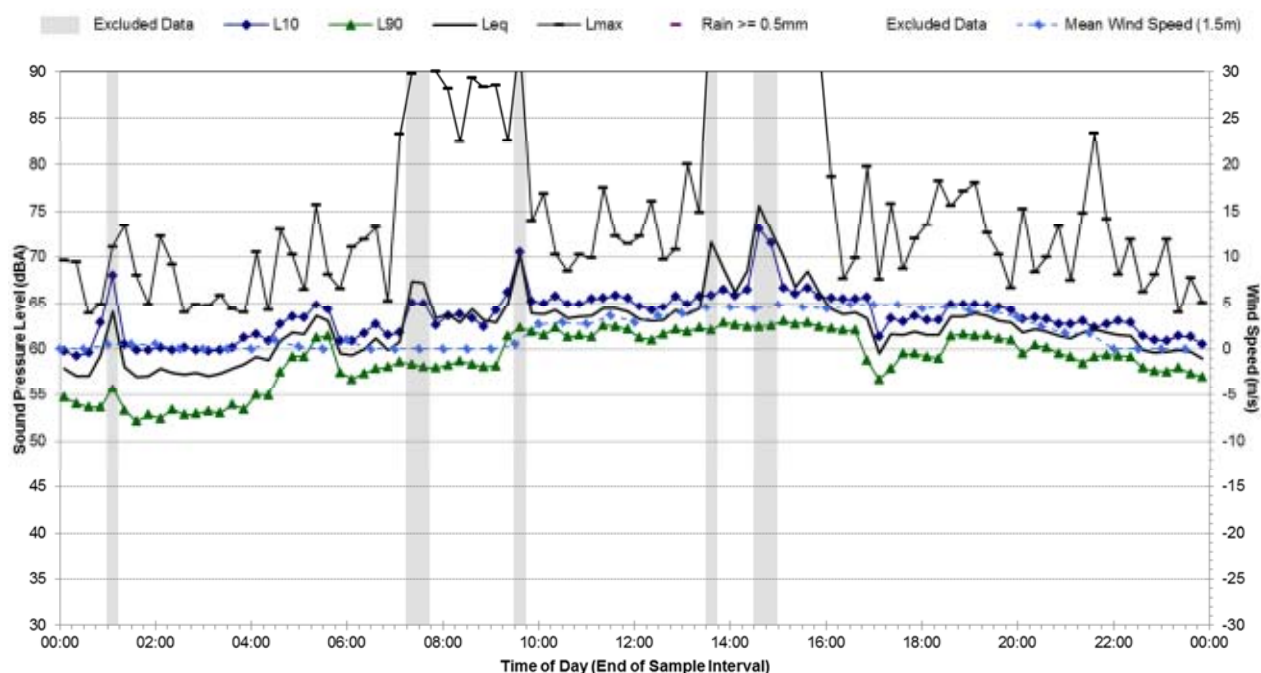
A3.1 - Thursday, 14 February 2013



A3 Ambient Noise Monitoring Results

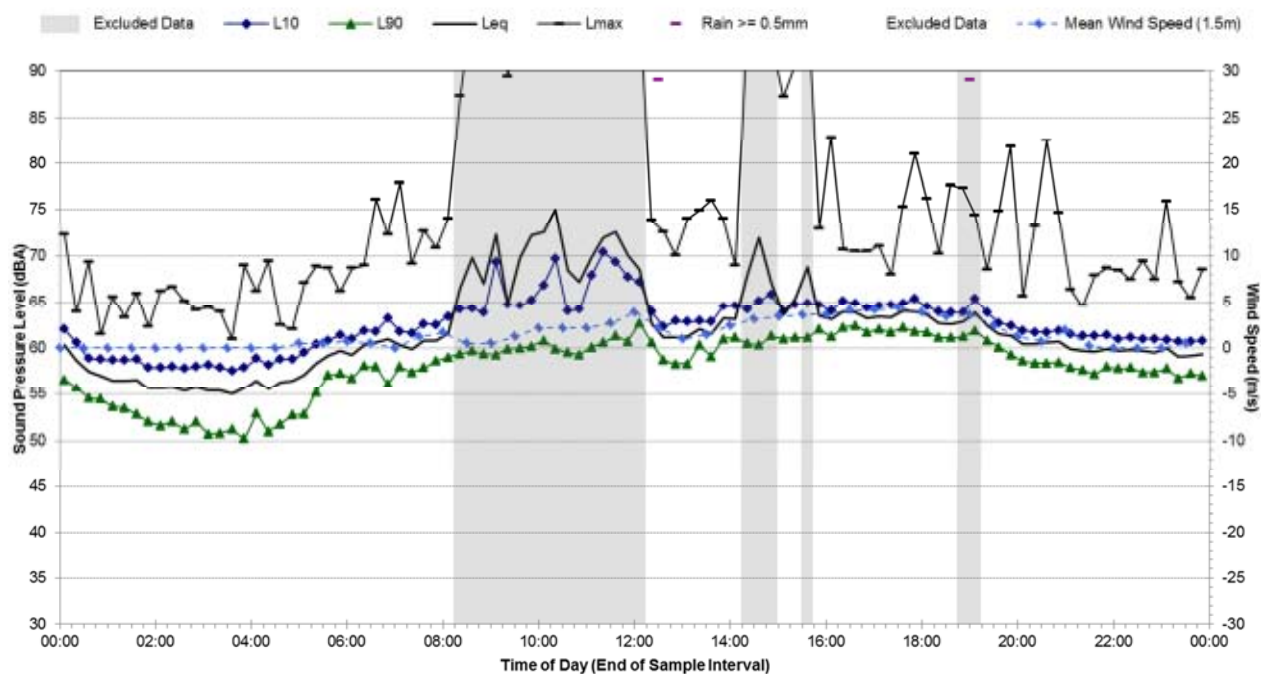
Statistical Ambient Noise Levels

A3.1 - Friday, 15 February 2013



Statistical Ambient Noise Levels

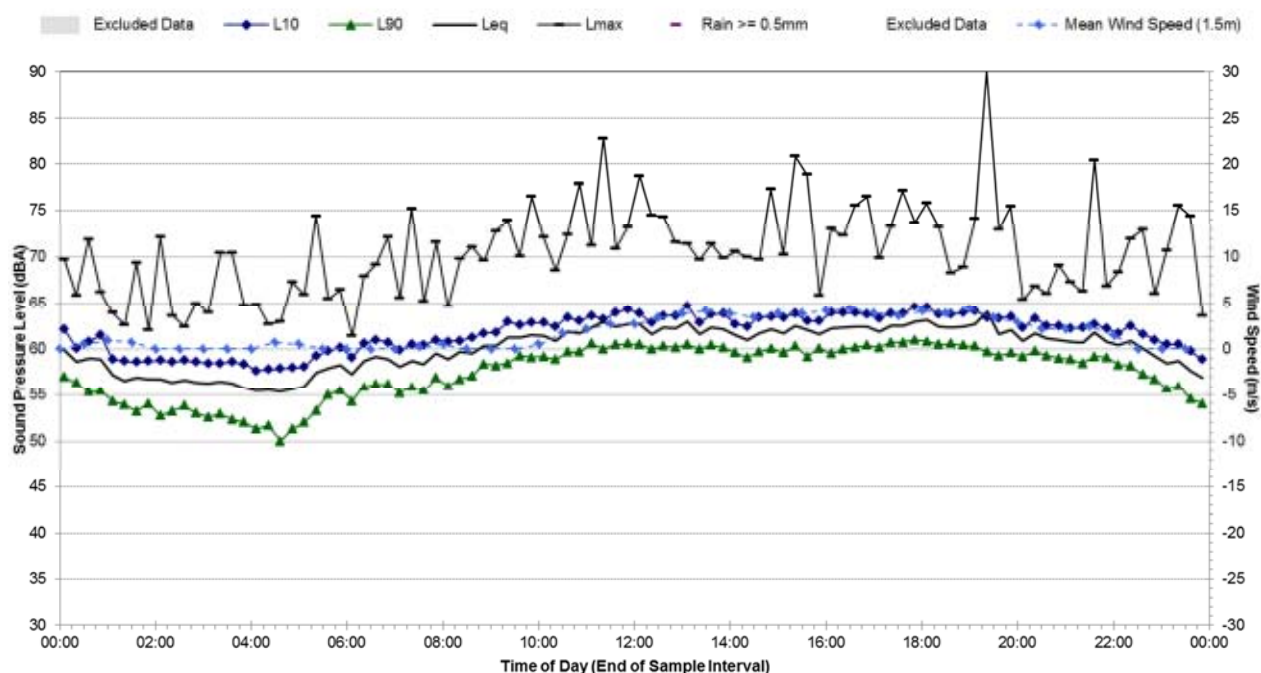
A3.1 - Saturday, 16 February 2013



A3 Ambient Noise Monitoring Results

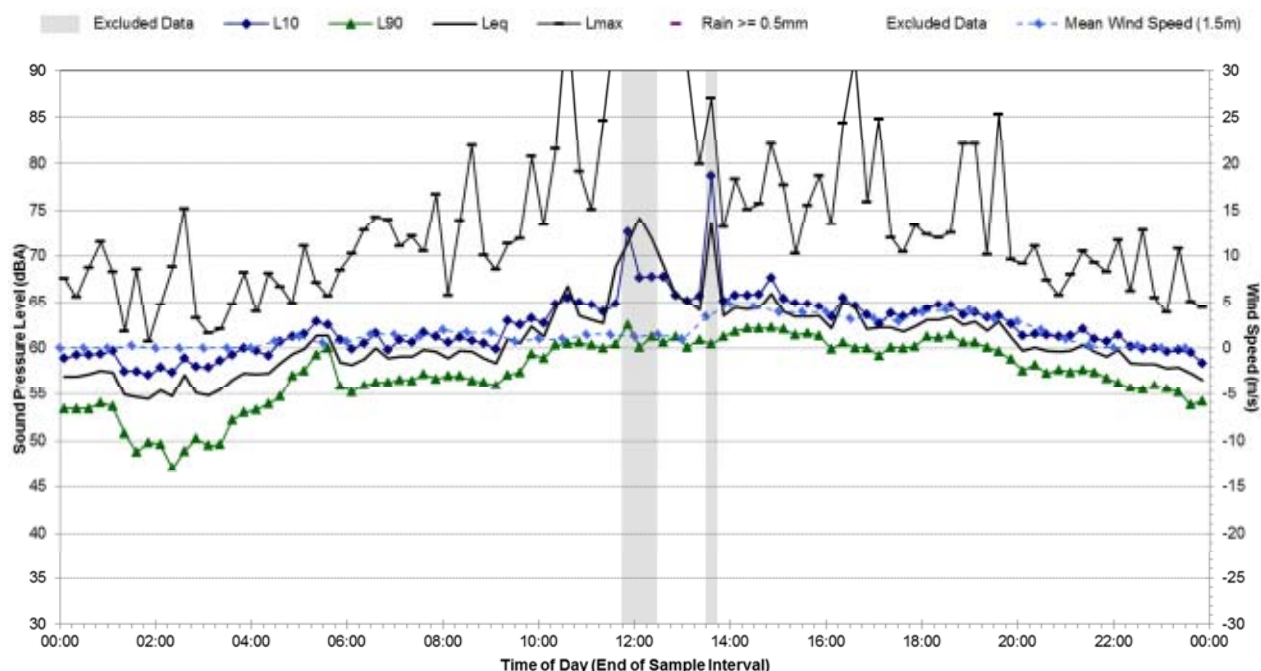
Statistical Ambient Noise Levels

A3.1 - Sunday, 17 February 2013



Statistical Ambient Noise Levels

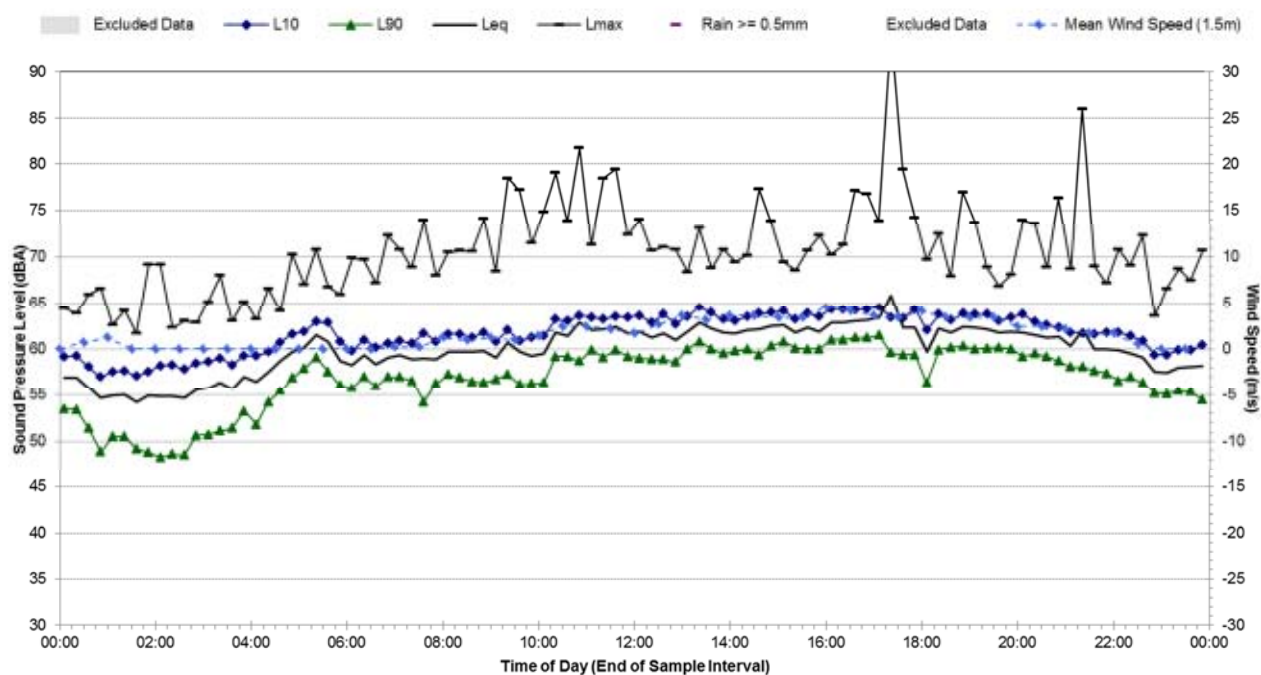
A3.1 - Monday, 18 February 2013



A3 Ambient Noise Monitoring Results

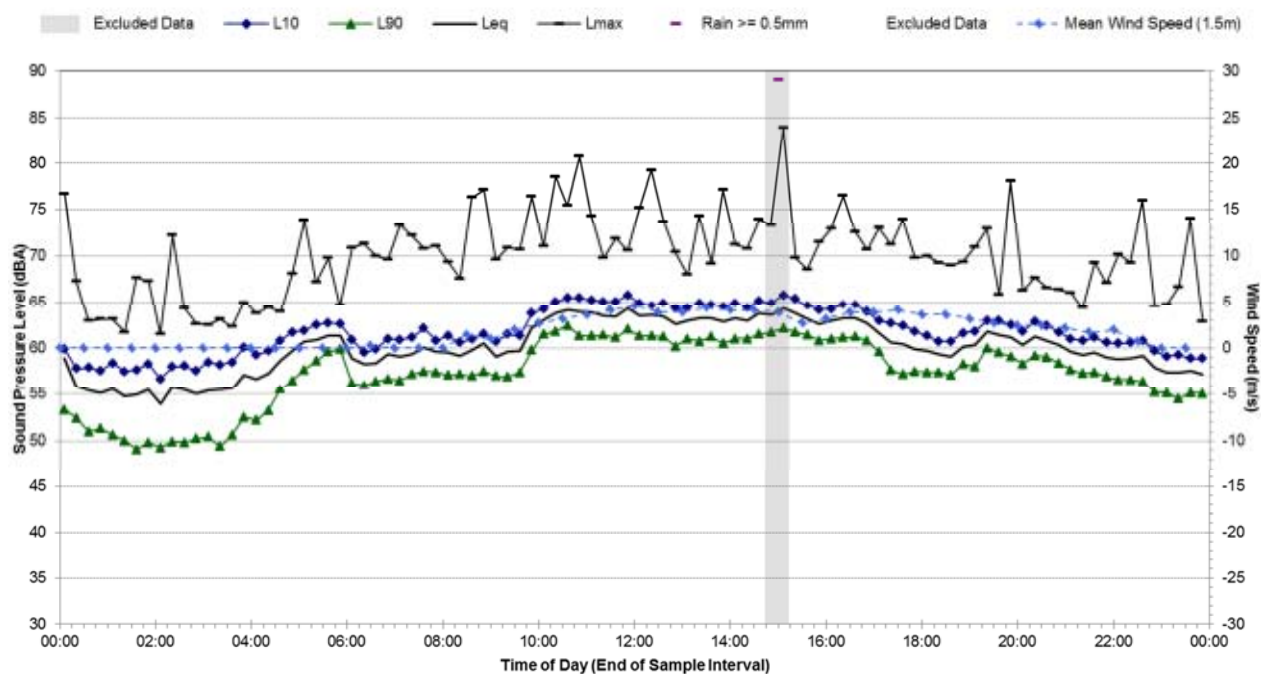
Statistical Ambient Noise Levels

A3.1 - Tuesday, 19 February 2013



Statistical Ambient Noise Levels

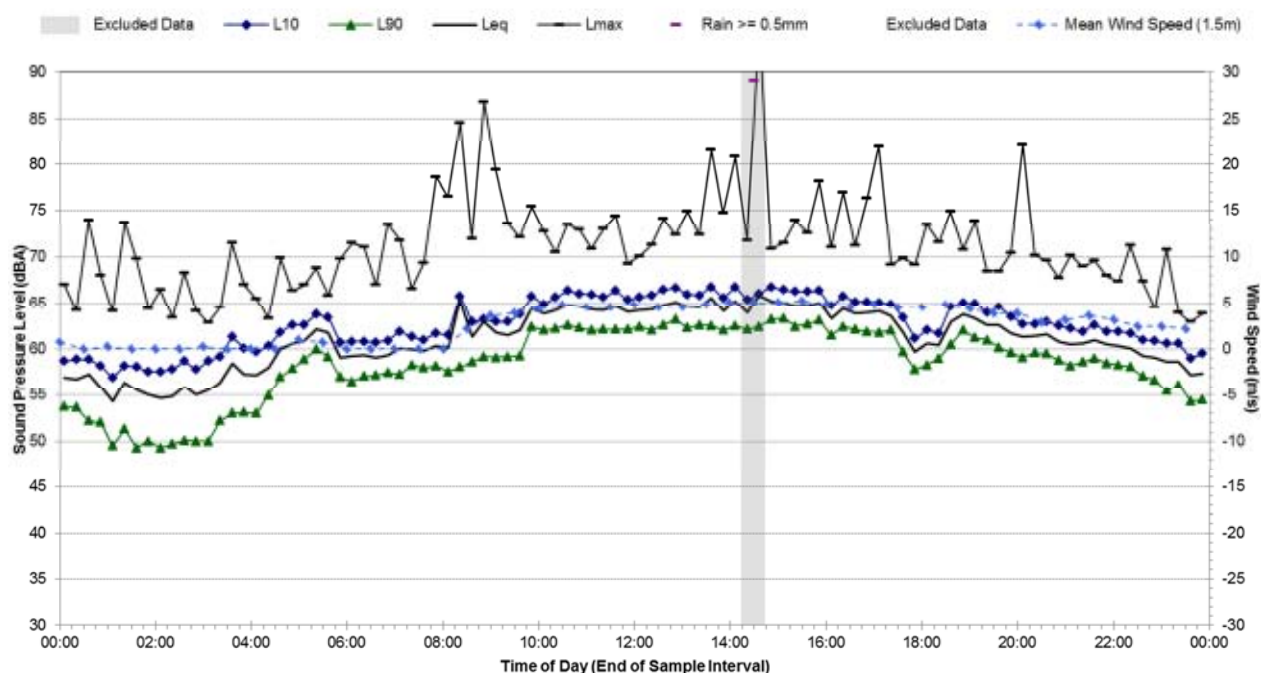
A3.1 - Wednesday, 20 February 2013



A3 Ambient Noise Monitoring Results

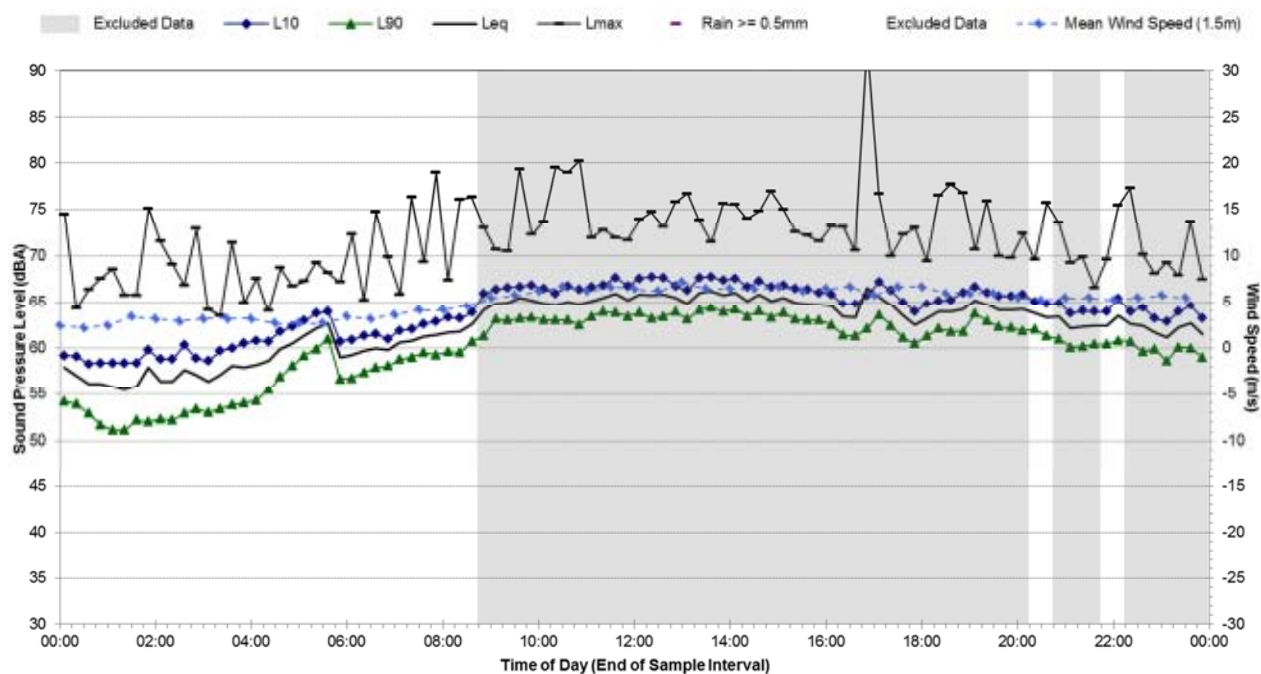
Statistical Ambient Noise Levels

A3.1 - Thursday, 21 February 2013



Statistical Ambient Noise Levels

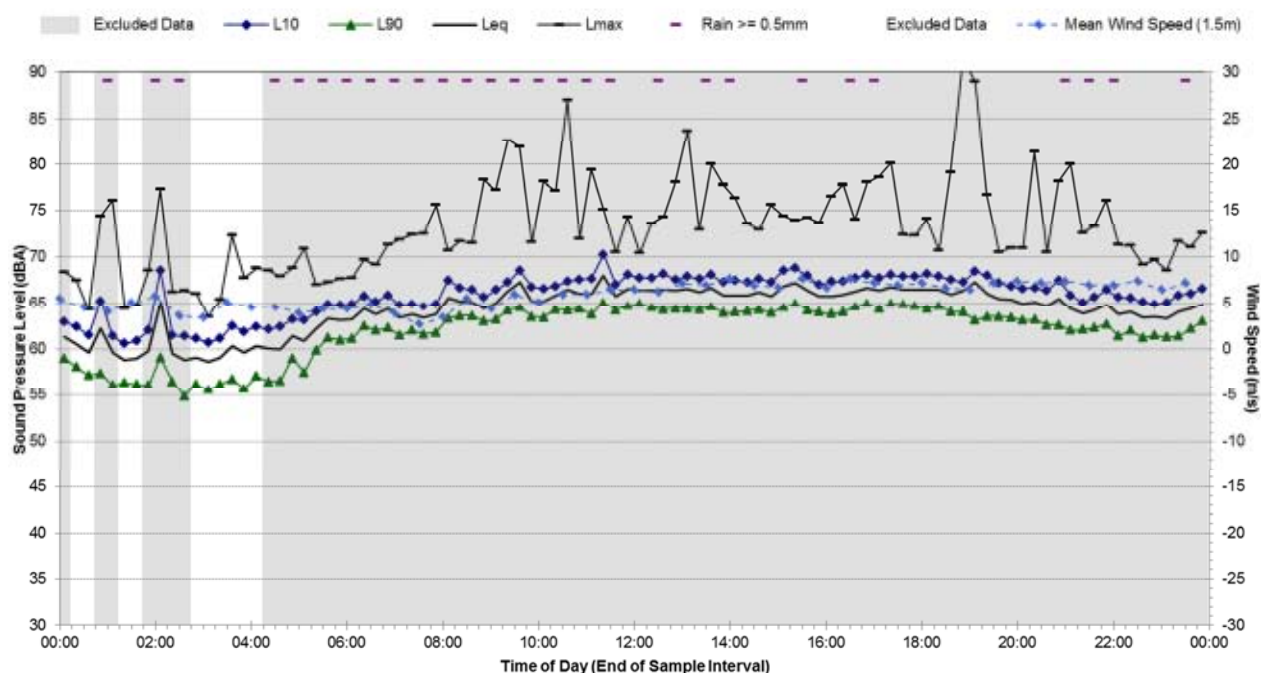
A3.1 - Friday, 22 February 2013



A3 Ambient Noise Monitoring Results

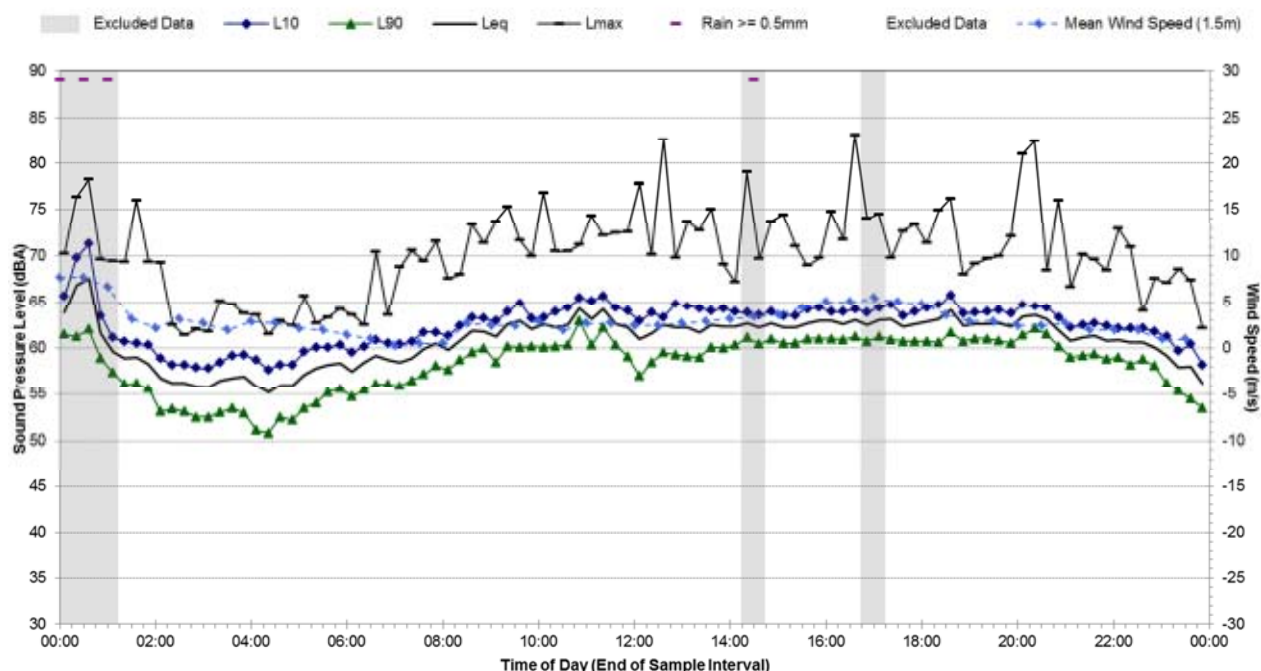
Statistical Ambient Noise Levels

A3.1 - Saturday, 23 February 2013



Statistical Ambient Noise Levels

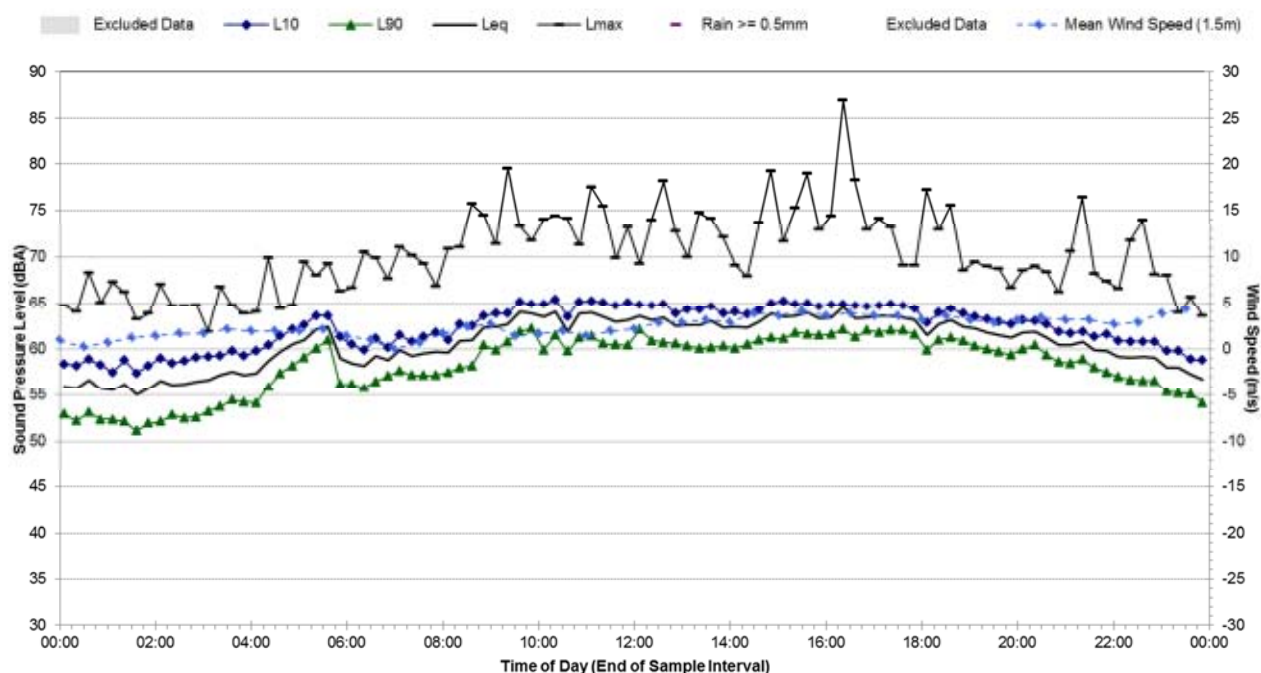
A3.1 - Sunday, 24 February 2013



A3 Ambient Noise Monitoring Results

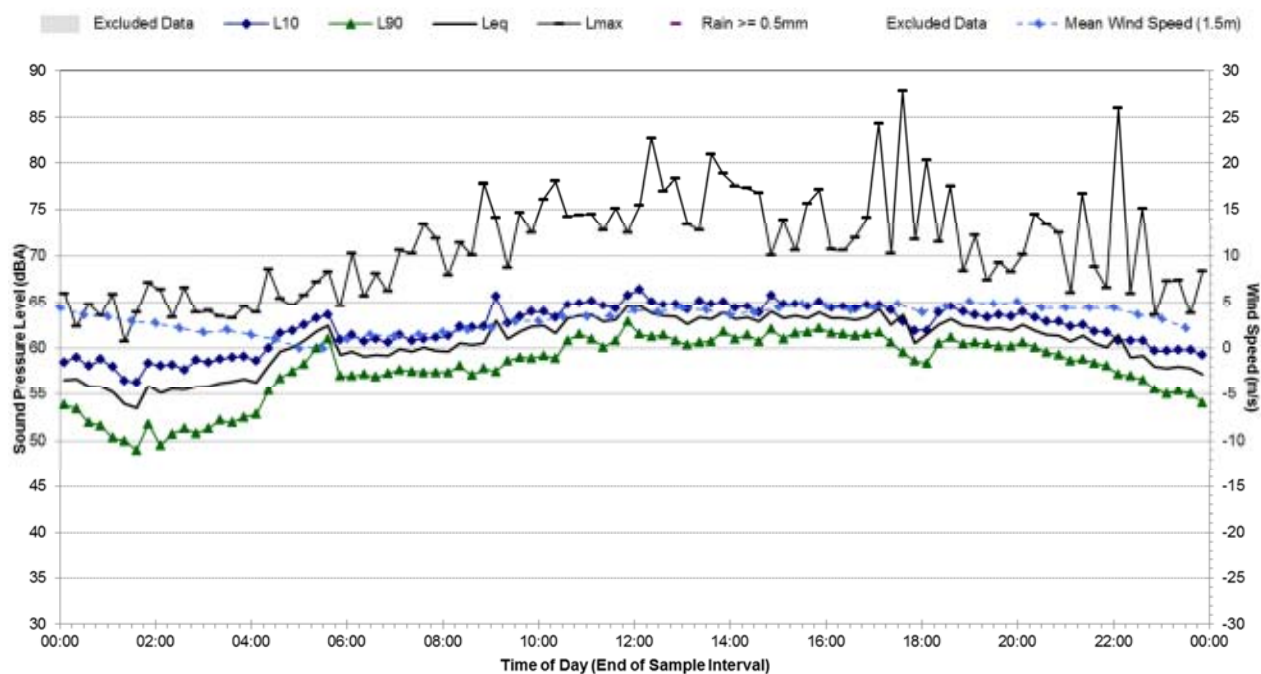
Statistical Ambient Noise Levels

A3.1 - Monday, 25 February 2013



Statistical Ambient Noise Levels

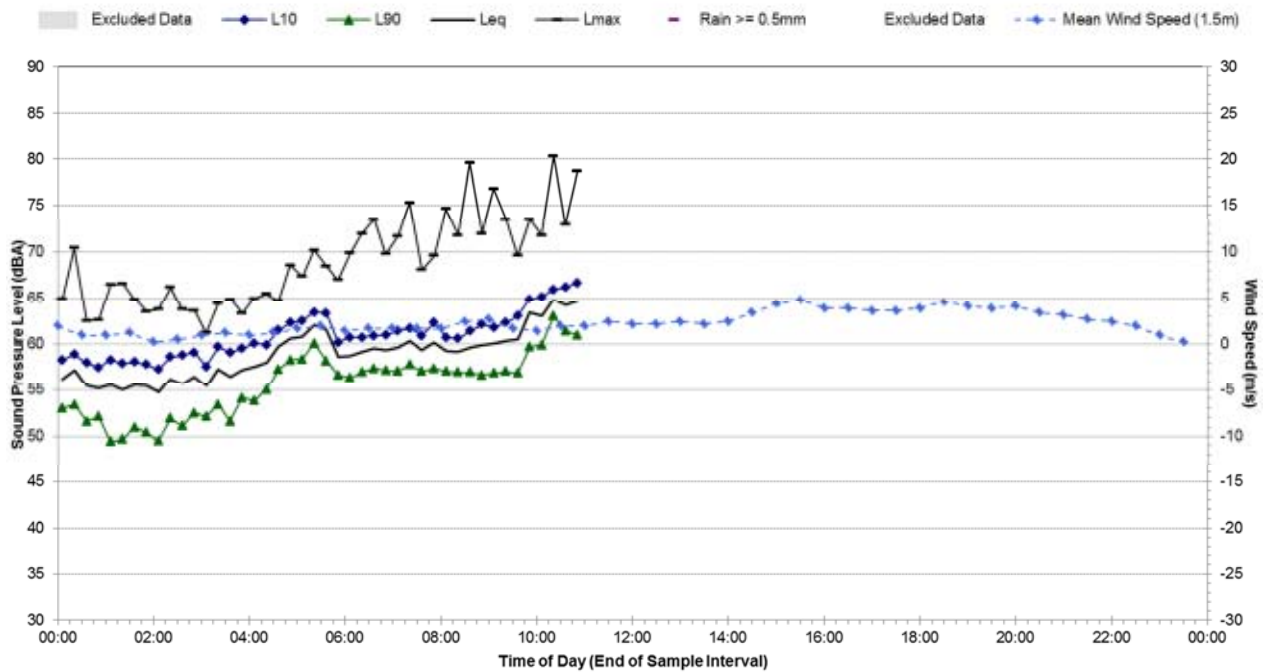
A3.1 - Tuesday, 26 February 2013



A3 Ambient Noise Monitoring Results

Statistical Ambient Noise Levels

A3.1 - Wednesday, 27 February 2013



Appendix C-A3

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A3 Ambient Noise Monitoring Results



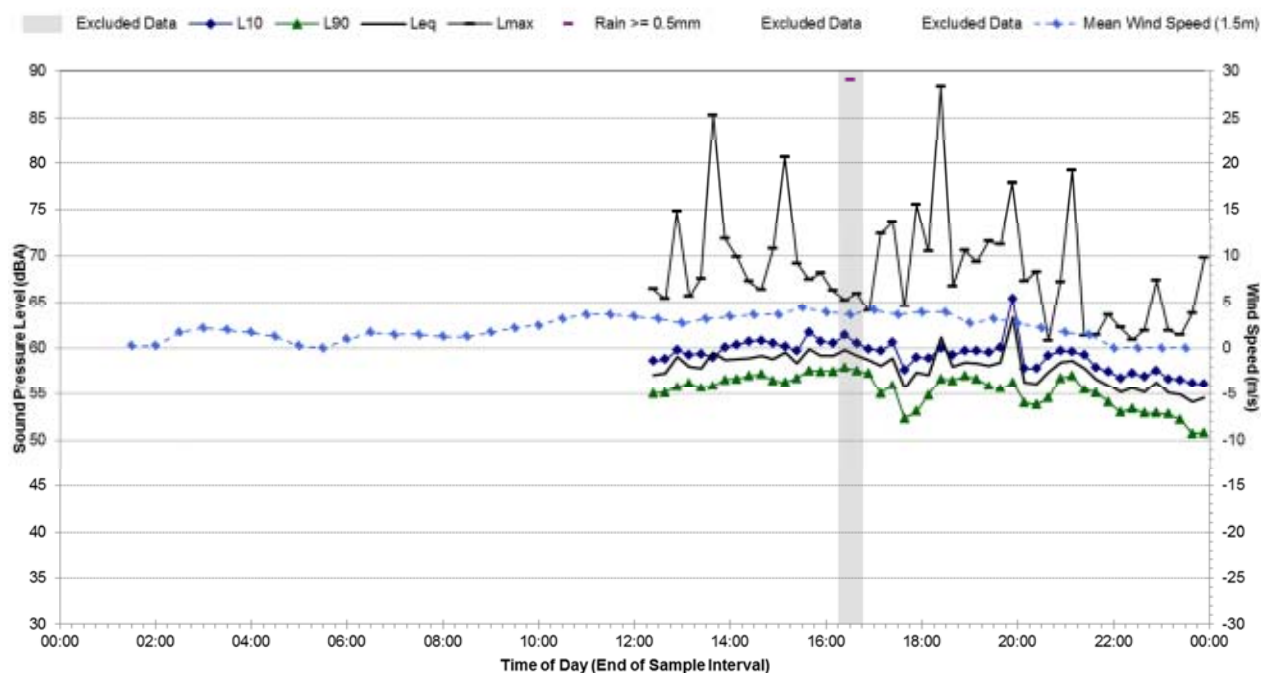
Noise Monitoring Location:		A3.2	Map of Noise Monitoring Location 	
Noise Monitoring Address:		8 Gough Street, Holroyd		
Logger Device Type: Svantek 957 Logger Serial No: 27522				
Ambient noise logger deployed outside residential address 8 Gough Street, Holroyd. Logger located in front yard on western side of property.				
Attended noise measurements indicate the ambient noise environment at this location is dominated by road traffic noise from the M4. Near continuous tyre-pavement noise from light-vehicle traffic on the M4 was observed at this location with traffic noise from heavy vehicle movements observed several times per minute during the attended monitoring survey.				
Recorded Noise Levels (LAmax): M4 Heavy-vehicle road traffic: 59-62dBA, Local road traffic: 62 - 66 dBA, Insects: 60 – 68 dBA				
Ambient Noise Logging Results – ICNG Defined Time Periods				
Monitoring Period	Noise Level (dBA)			
	RBL	LAeq	L10	L1
Daytime	55	59	60	63
Evening	55	59	60	63
Night-time	49	56	58	59
Ambient Noise Logging Results – RNP Defined Time Periods				
Monitoring Period	Noise Level (dBA)			
	Weekday LAeq(Period)	Weekend LAeq(Period)	Weekly LAeq(Period)	
Number of Valid Days	9	2	N/A (7 Day Average)	
Daytime (7am-10pm)	59	58	59	
Night-time (10pm-7am)	56	56	56	
Attended Noise Measurement Results				
Date	Start Time	Measured Noise Level (dBA)		
		LA90	LAeq	LAmax
13/02/2013	11:59	56	58	68

Photo of Noise Monitoring Location 	
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A3 Ambient Noise Monitoring Results

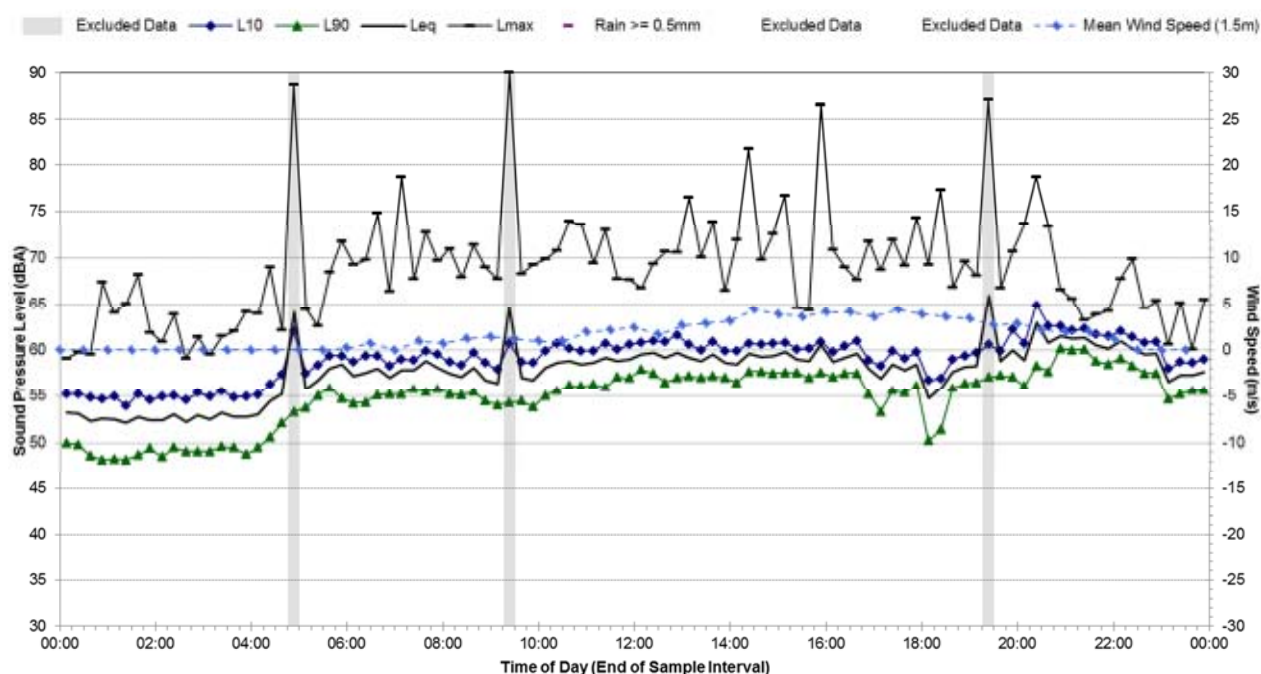
Statistical Ambient Noise Levels

A3.2 - Wednesday, 13 February 2013



Statistical Ambient Noise Levels

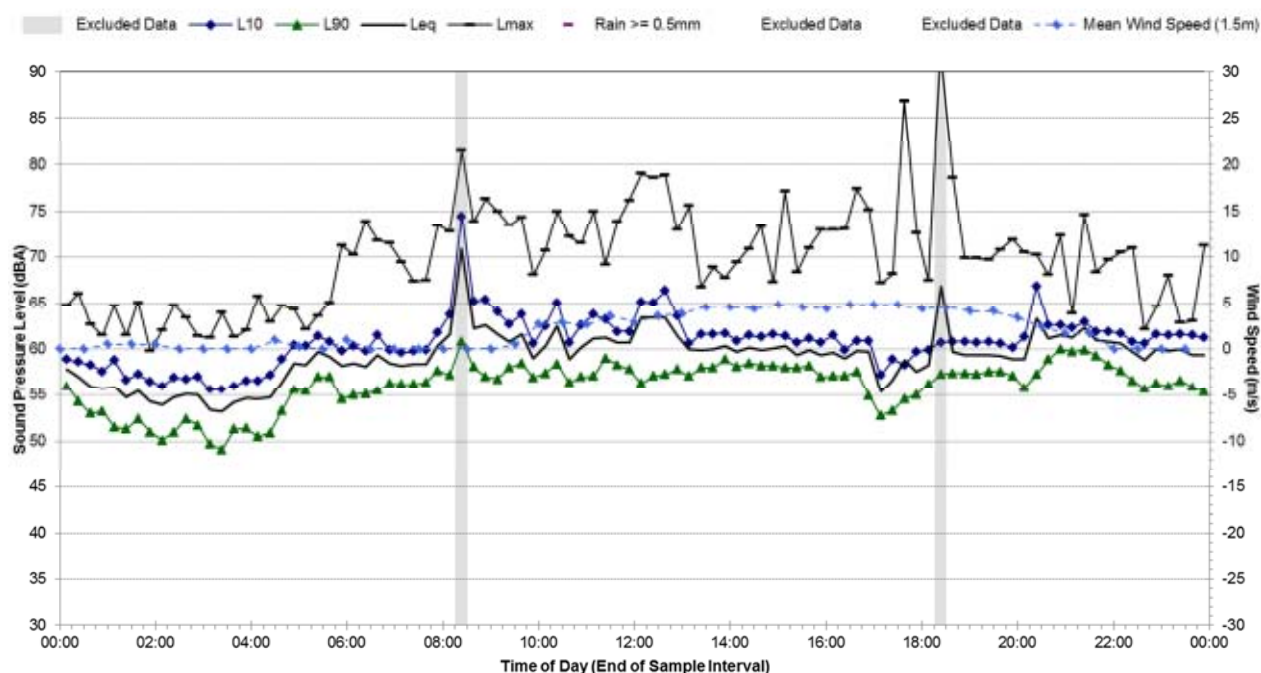
A3.2 - Thursday, 14 February 2013



A3 Ambient Noise Monitoring Results

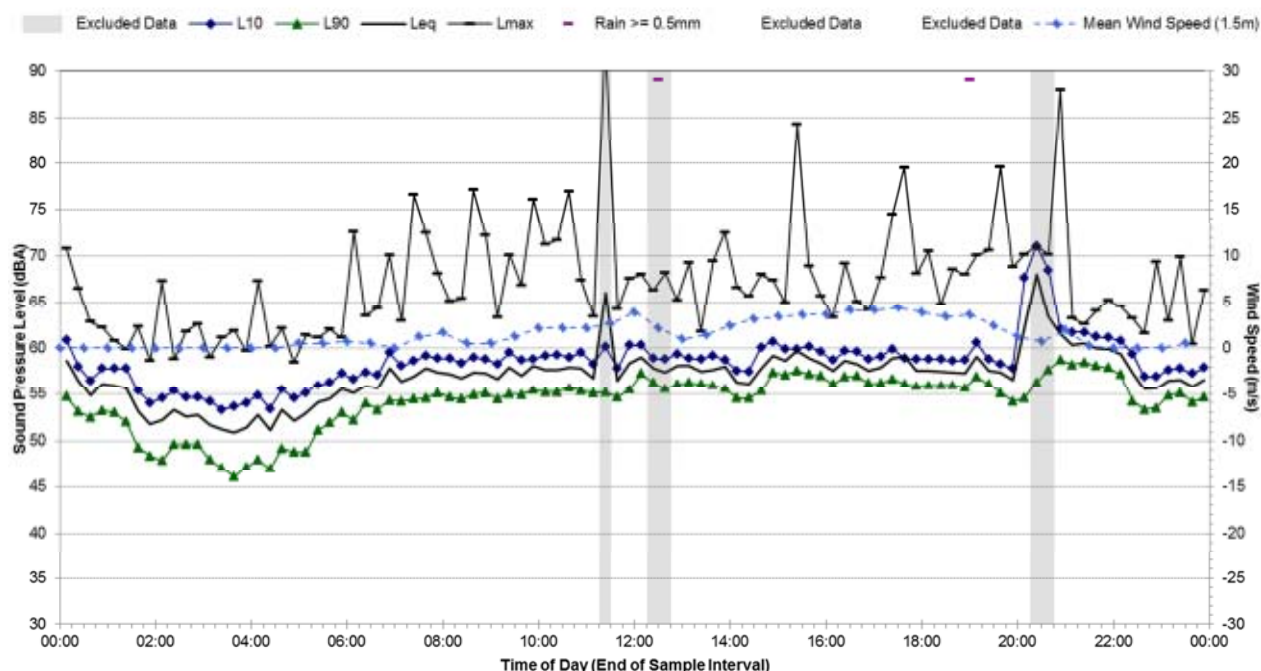
Statistical Ambient Noise Levels

A3.2 - Friday, 15 February 2013



Statistical Ambient Noise Levels

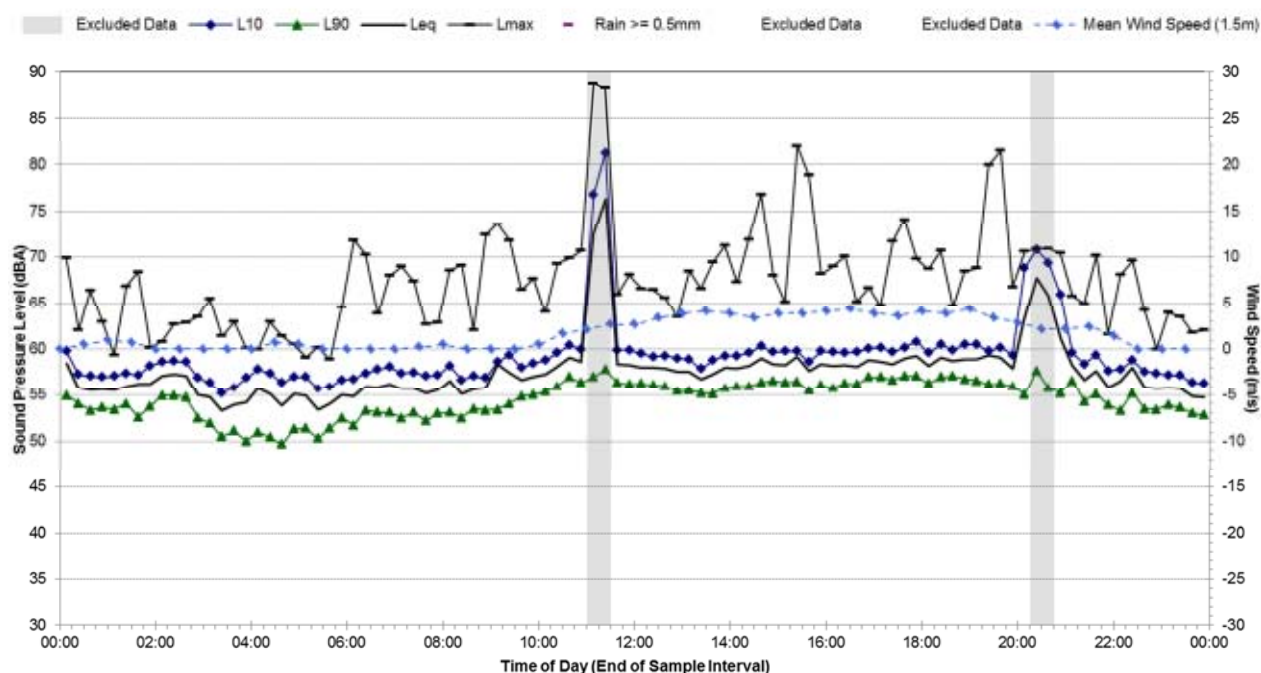
A3.2 - Saturday, 16 February 2013



A3 Ambient Noise Monitoring Results

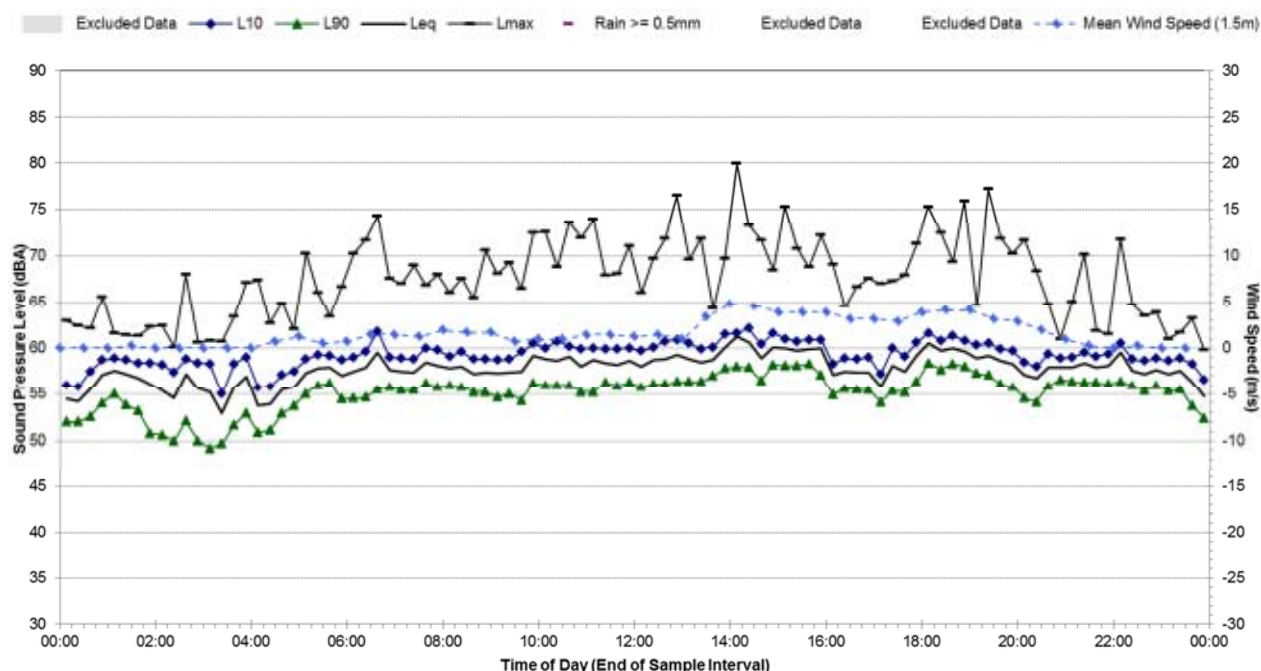
Statistical Ambient Noise Levels

A3.2 - Sunday, 17 February 2013



Statistical Ambient Noise Levels

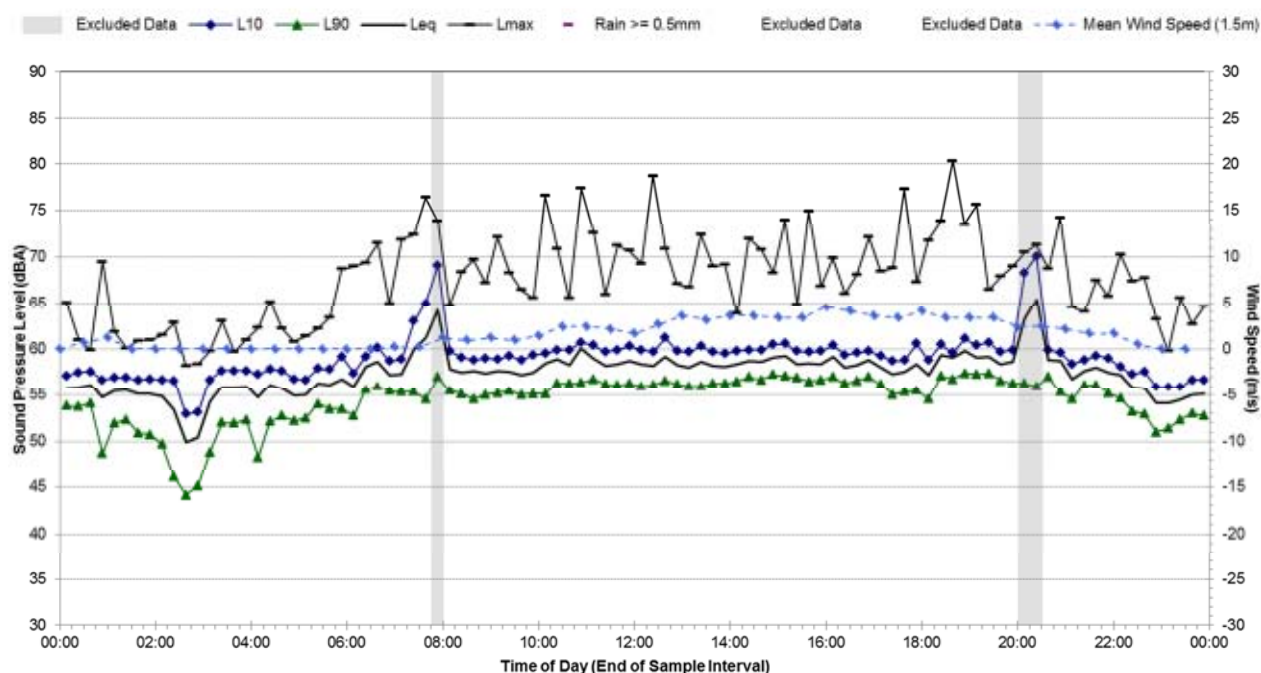
A3.2 - Monday, 18 February 2013



A3 Ambient Noise Monitoring Results

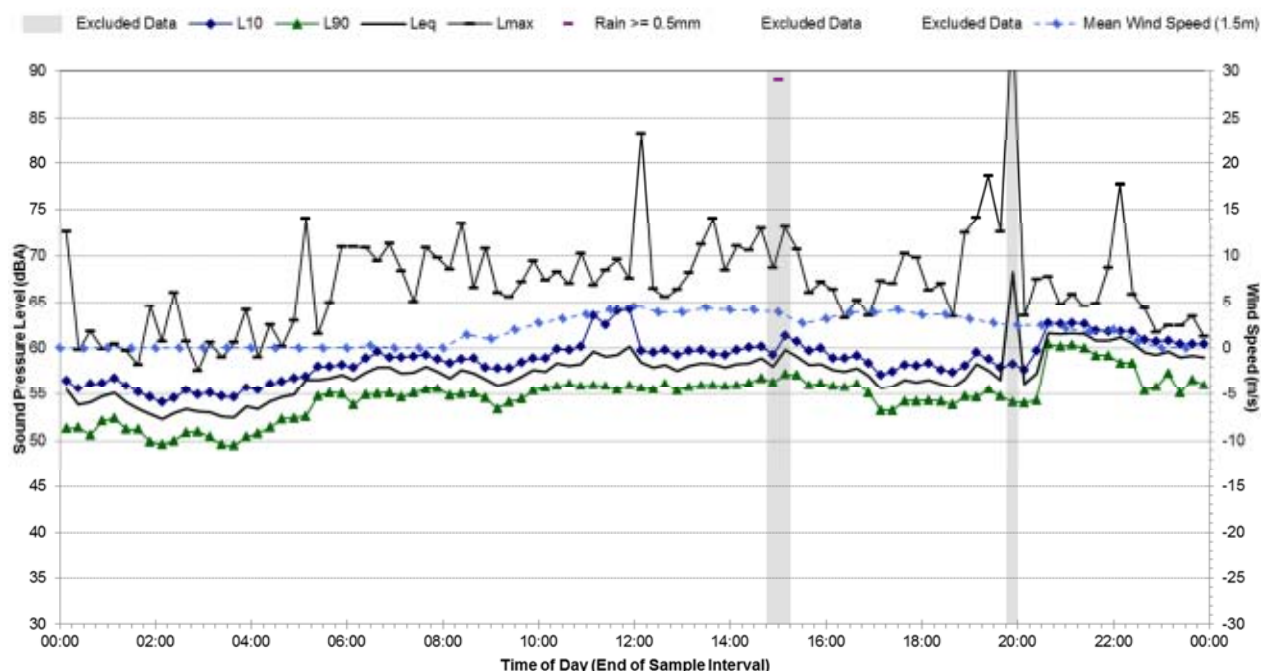
Statistical Ambient Noise Levels

A3.2 - Tuesday, 19 February 2013



Statistical Ambient Noise Levels

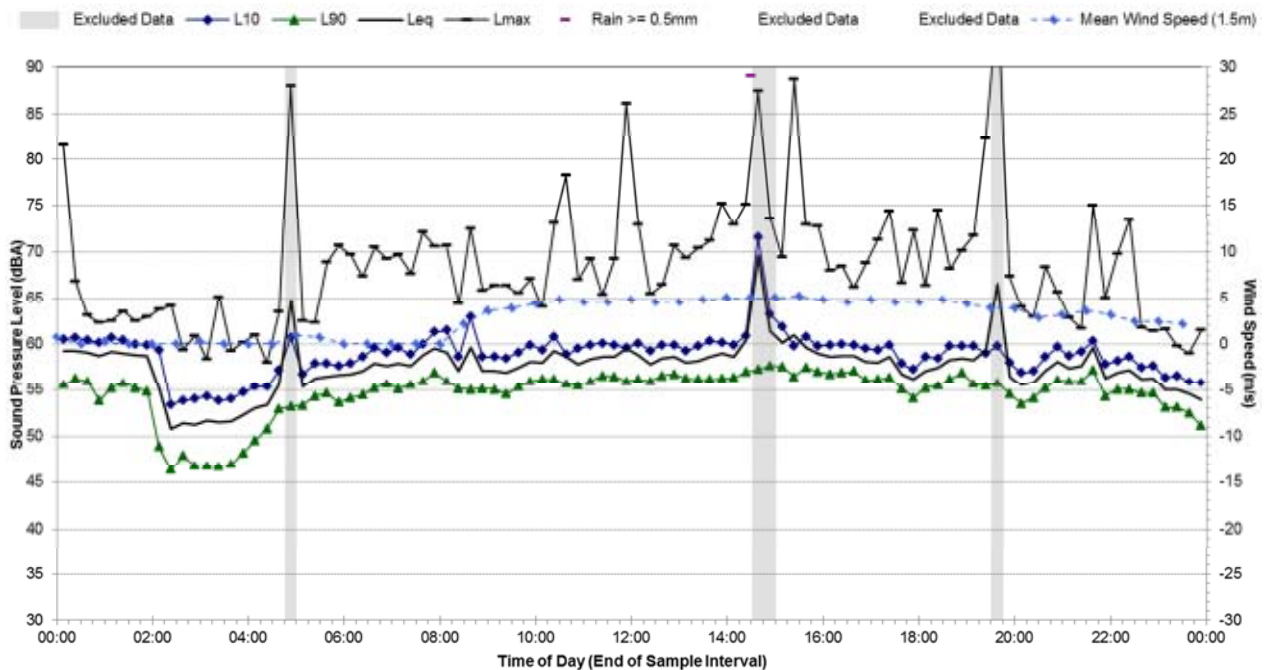
A3.2 - Wednesday, 20 February 2013



A3 Ambient Noise Monitoring Results

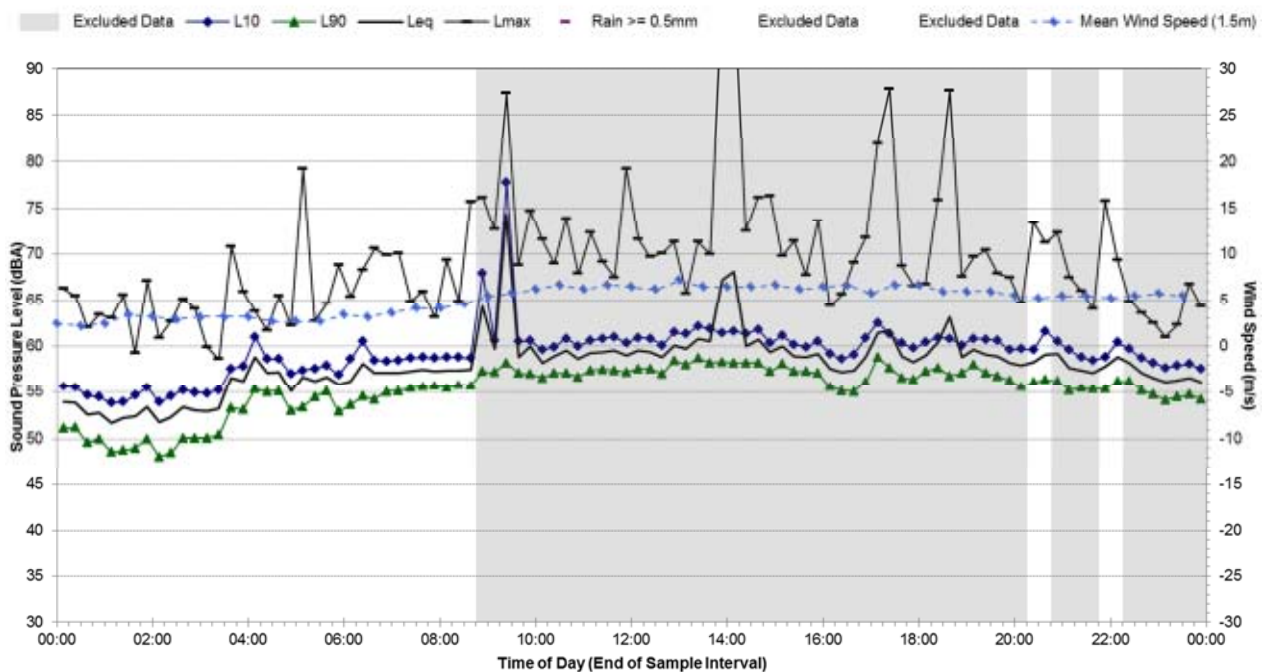
Statistical Ambient Noise Levels

A3.2 - Thursday, 21 February 2013



Statistical Ambient Noise Levels

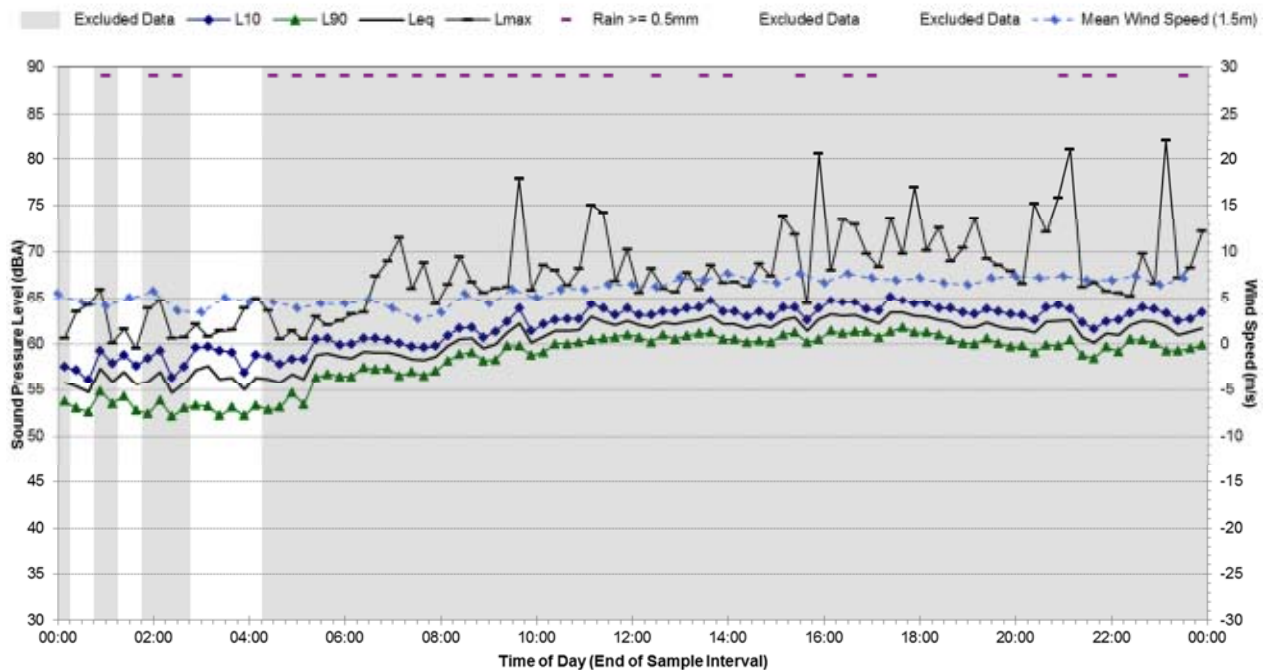
A3.2 - Friday, 22 February 2013



A3 Ambient Noise Monitoring Results

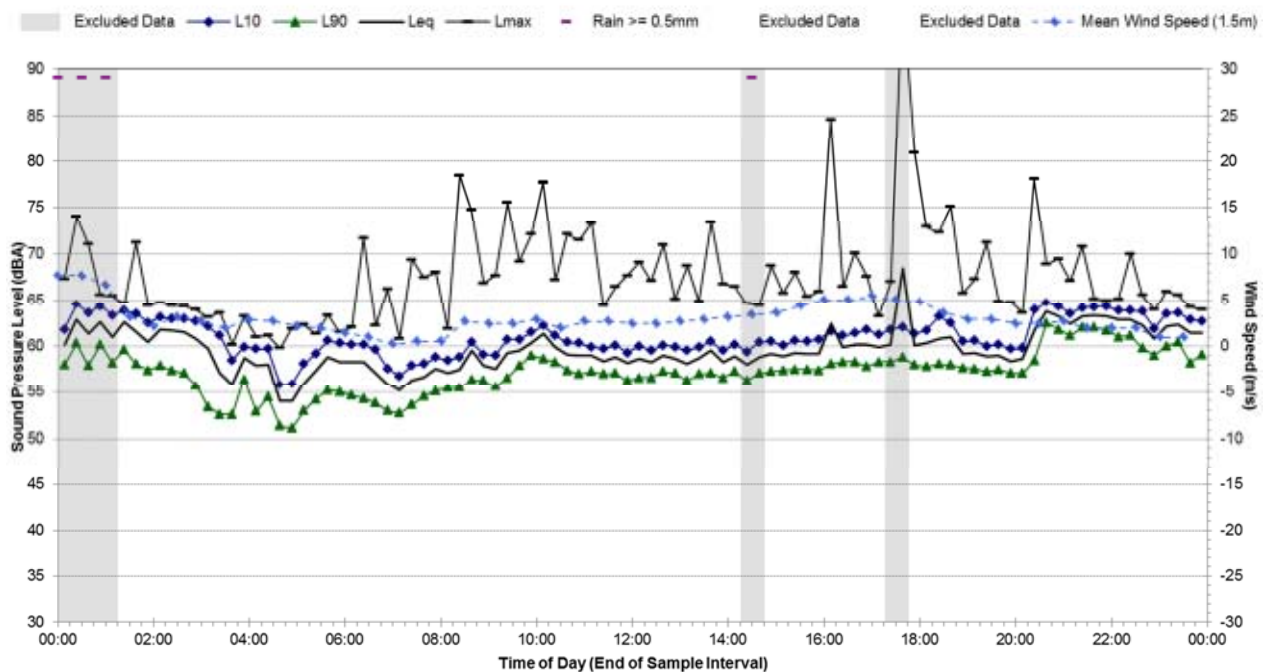
Statistical Ambient Noise Levels

A3.2 - Saturday, 23 February 2013



Statistical Ambient Noise Levels

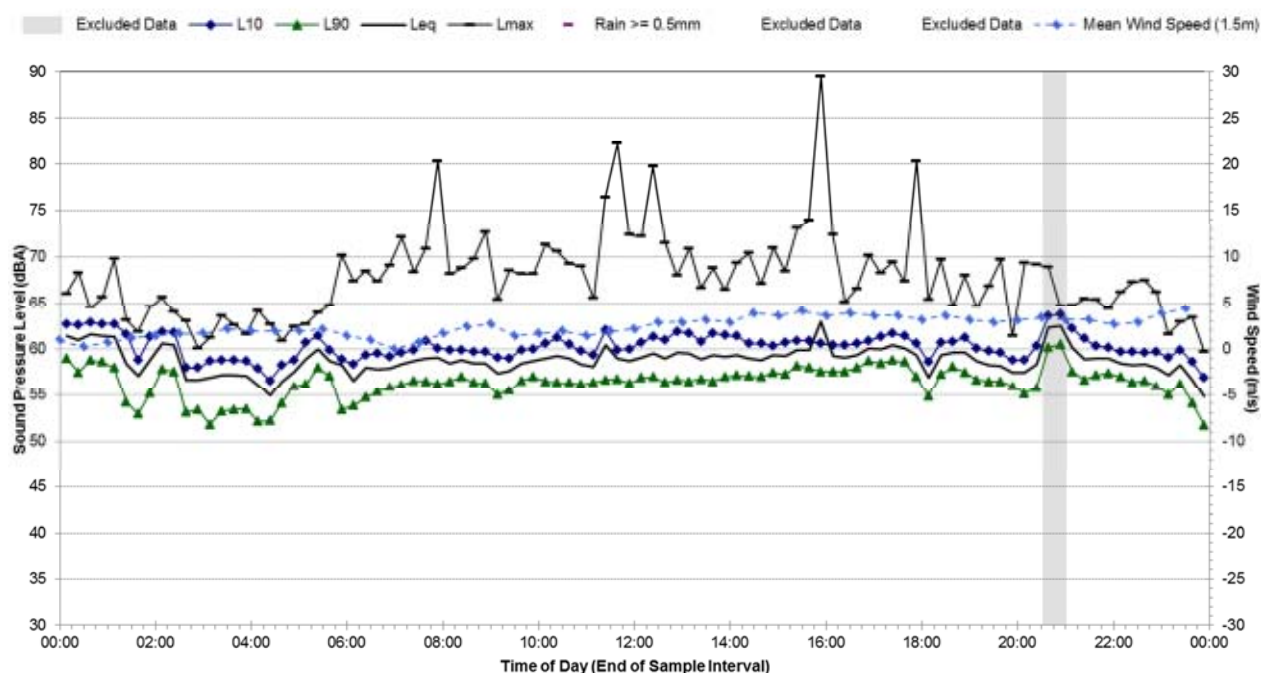
A3.2 - Sunday, 24 February 2013



A3 Ambient Noise Monitoring Results

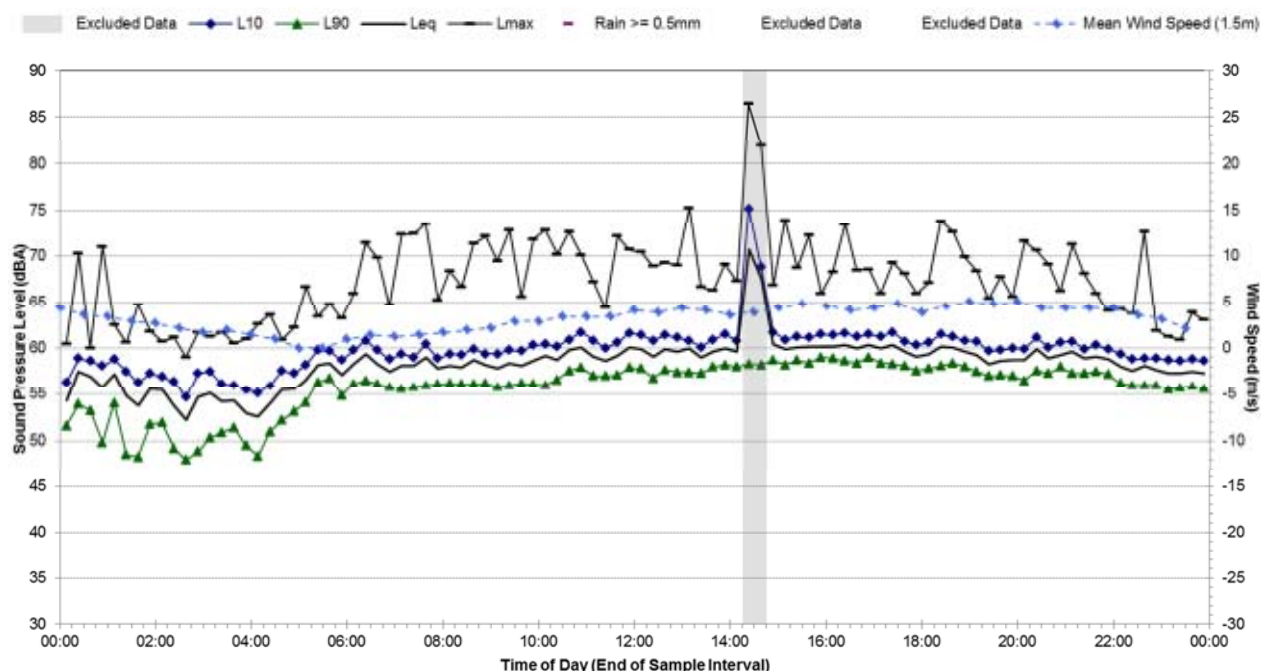
Statistical Ambient Noise Levels

A3.2 - Monday, 25 February 2013



Statistical Ambient Noise Levels

A3.2 - Tuesday, 26 February 2013



A3 Ambient Noise Monitoring Results

Statistical Ambient Noise Levels

A3.2 - Wednesday, 27 February 2013

