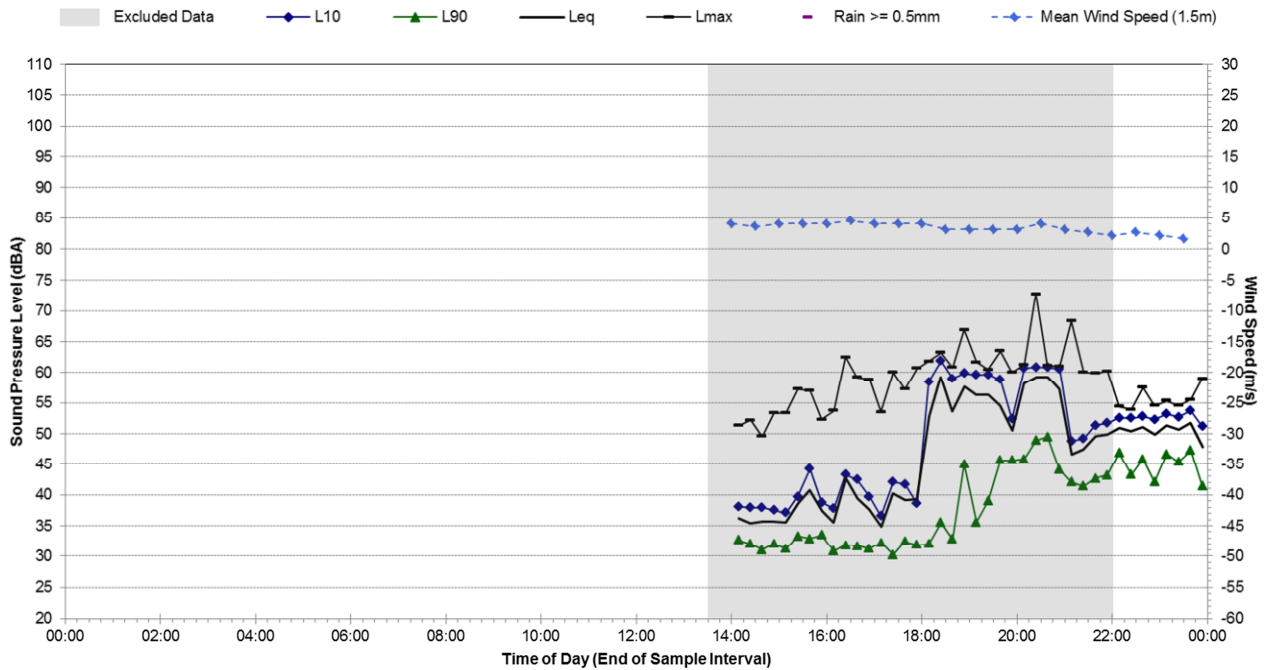
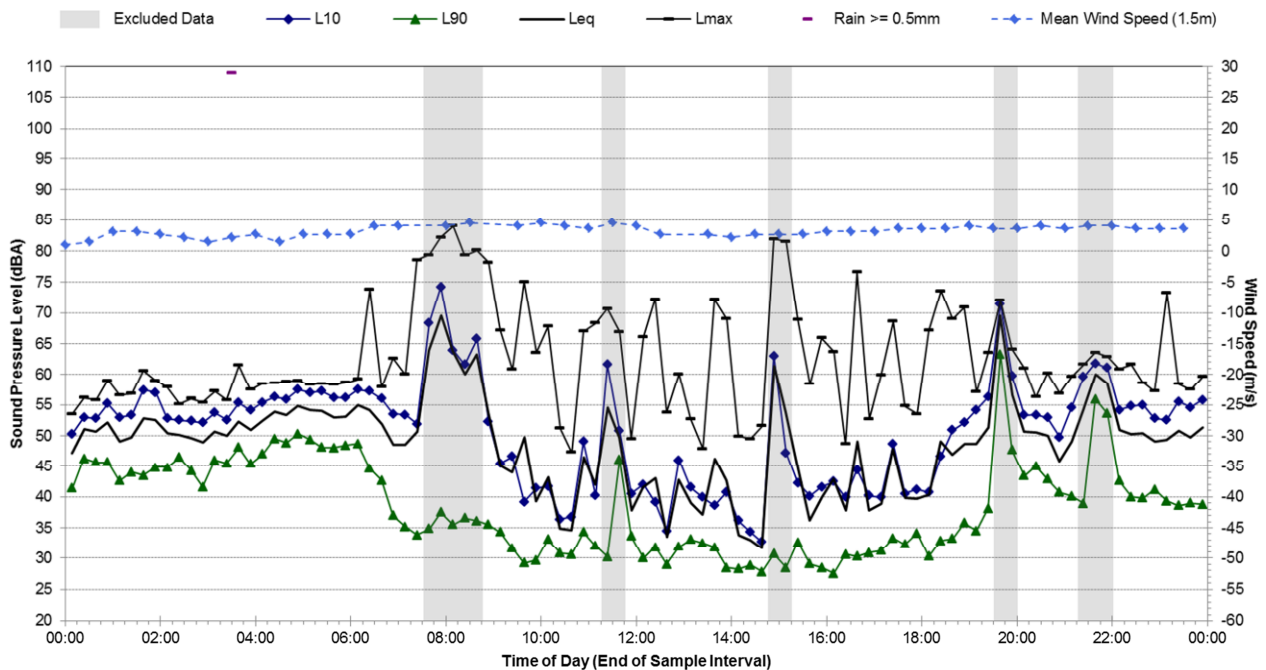


Statistical Ambient Noise Levels NM12 - Monday, 11 March 2013

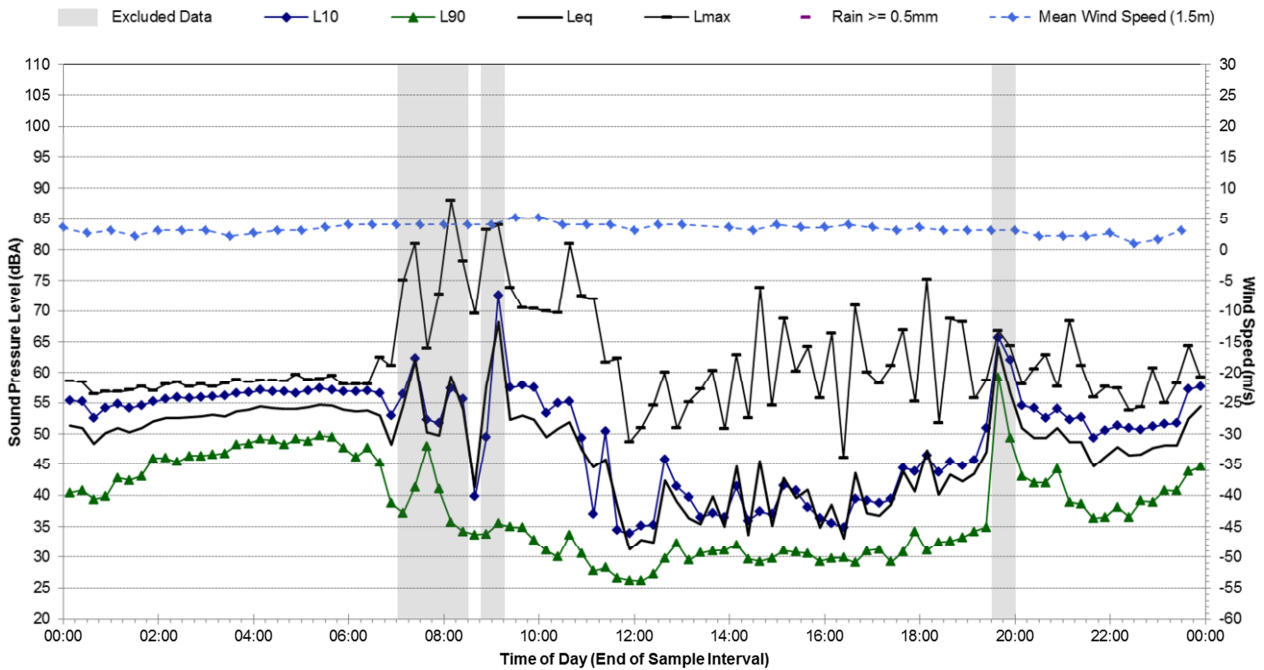


Statistical Ambient Noise Levels NM12 - Tuesday, 12 March 2013



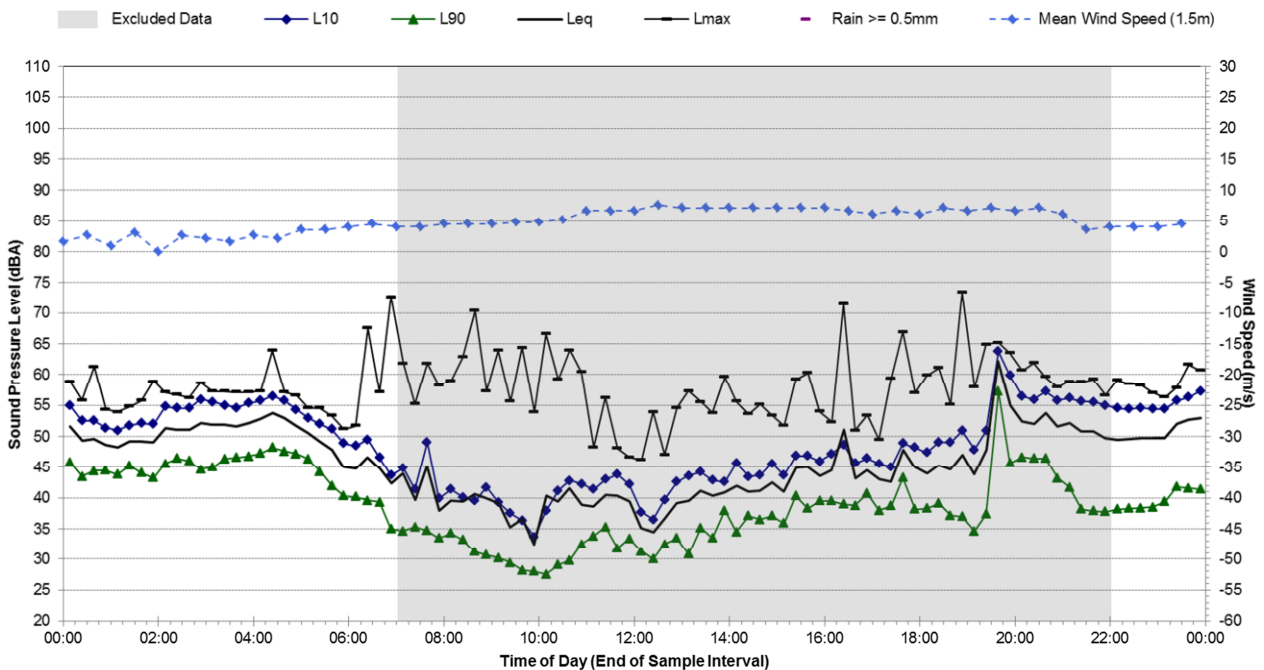
Statistical Ambient Noise Levels

NM12 - Wednesday, 13 March 2013



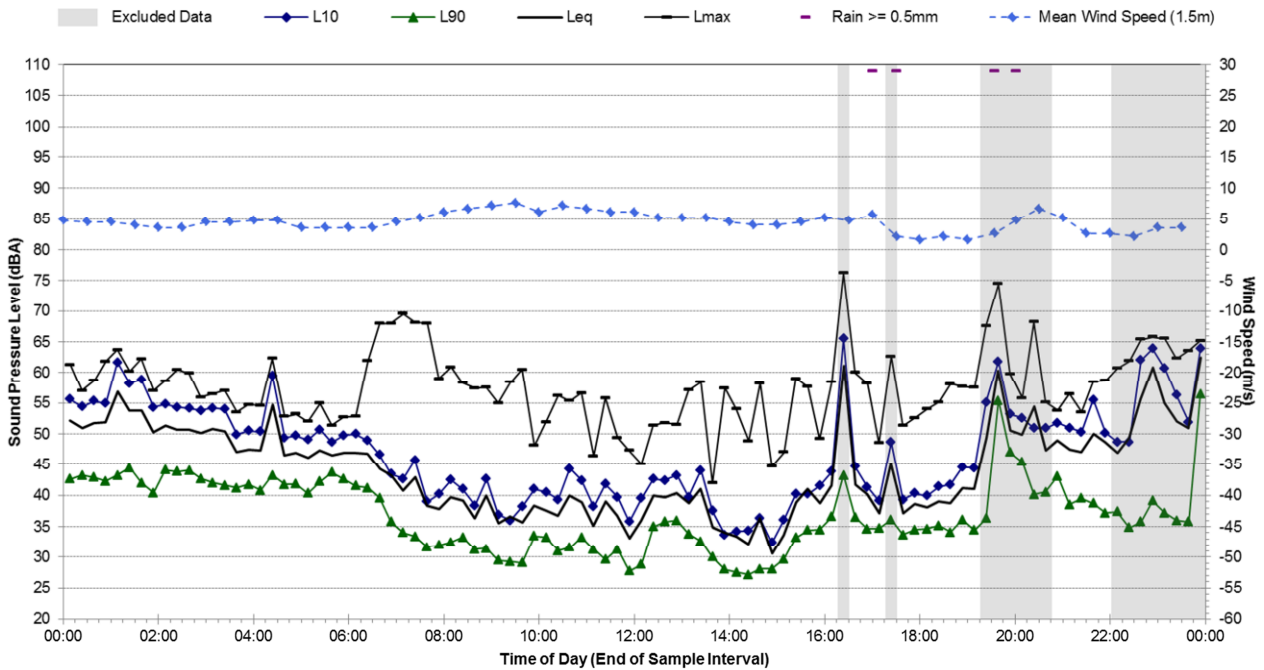
Statistical Ambient Noise Levels

NM12 - Thursday, 14 March 2013



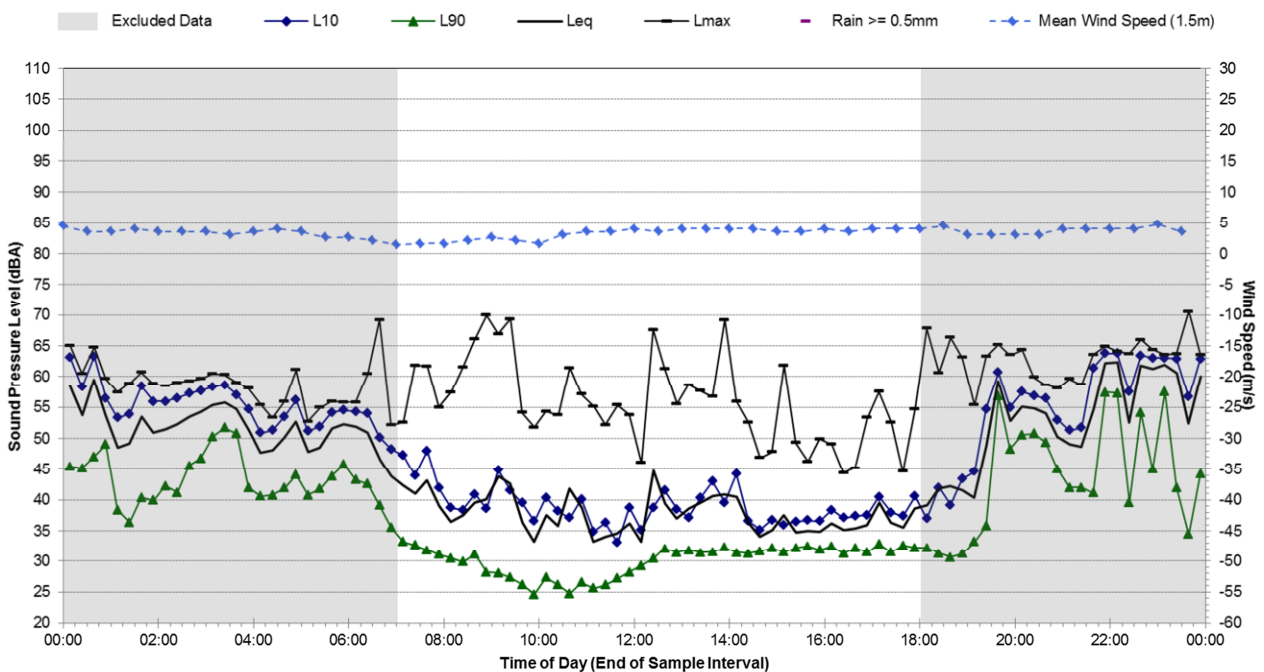
Statistical Ambient Noise Levels

NM12 - Friday, 15 March 2013



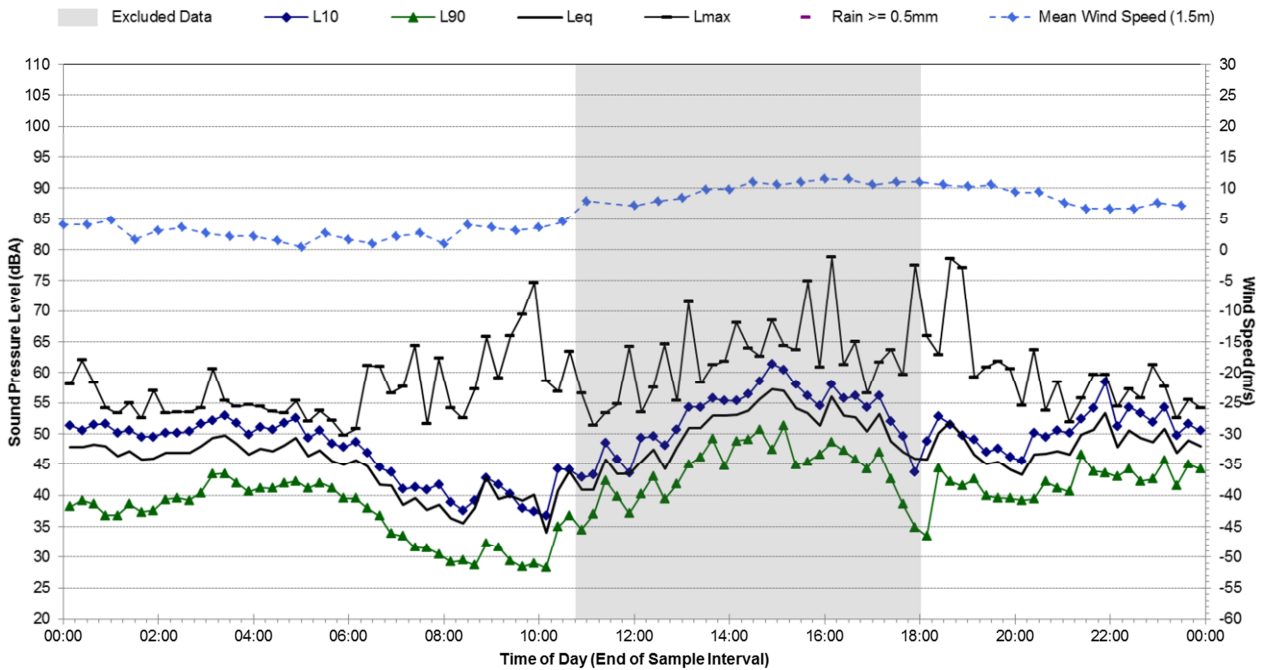
Statistical Ambient Noise Levels

NM12 - Saturday, 16 March 2013



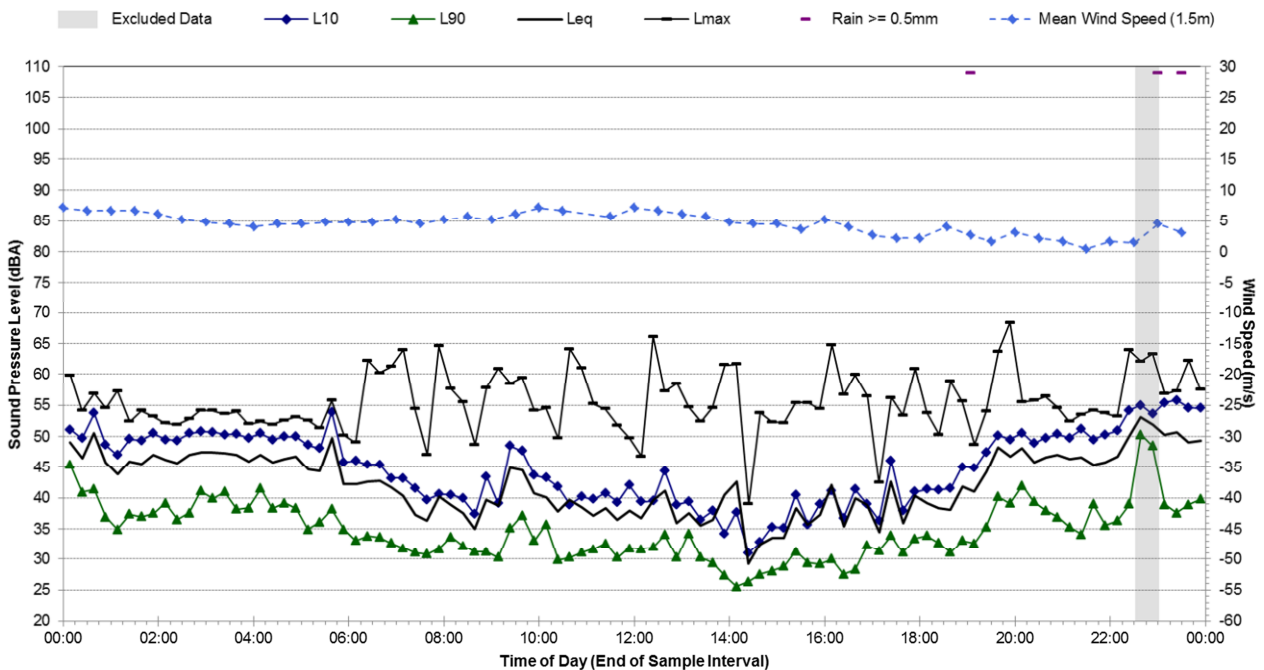
Statistical Ambient Noise Levels

NM12 - Sunday, 17 March 2013



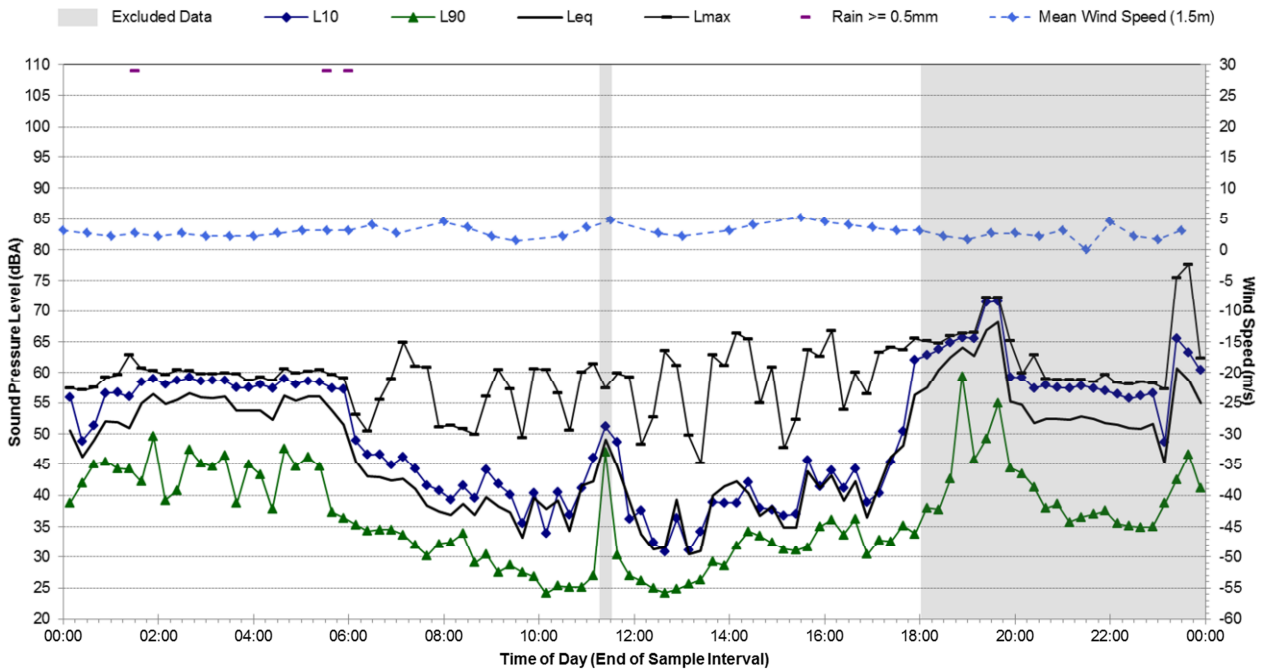
Statistical Ambient Noise Levels

NM12 - Monday, 18 March 2013



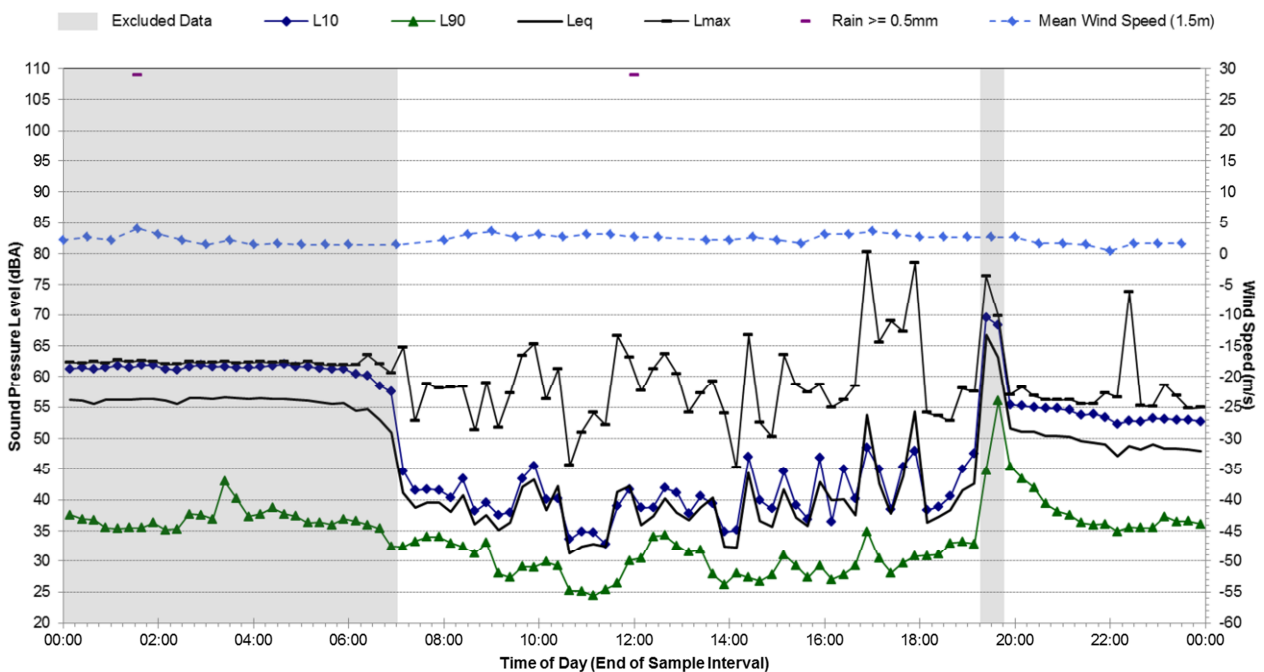
Statistical Ambient Noise Levels

NM12 - Tuesday, 19 March 2013



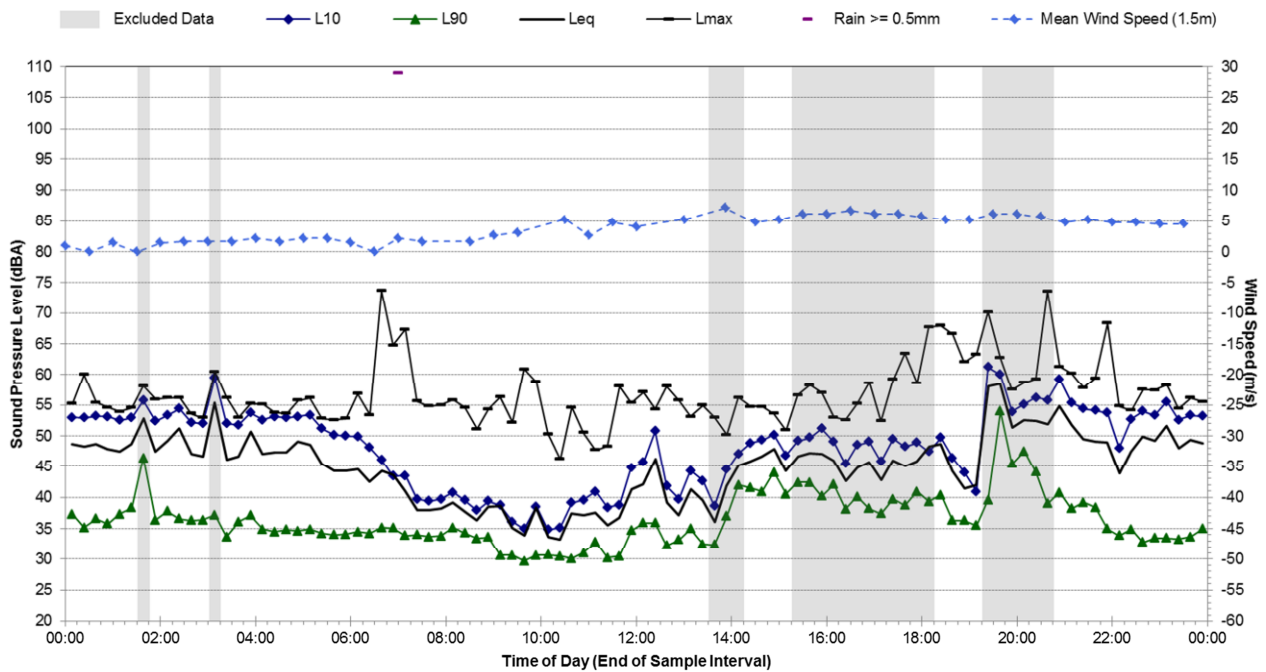
Statistical Ambient Noise Levels

NM12 - Wednesday, 20 March 2013



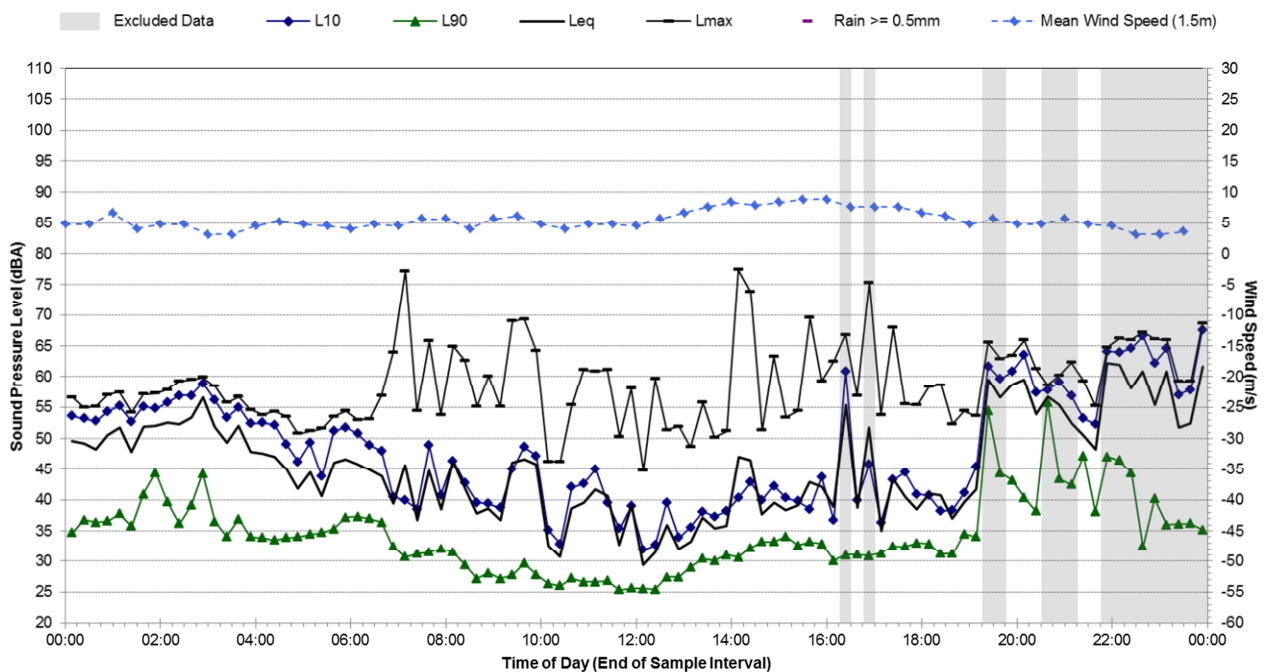
Statistical Ambient Noise Levels

NM12 - Thursday, 21 March 2013



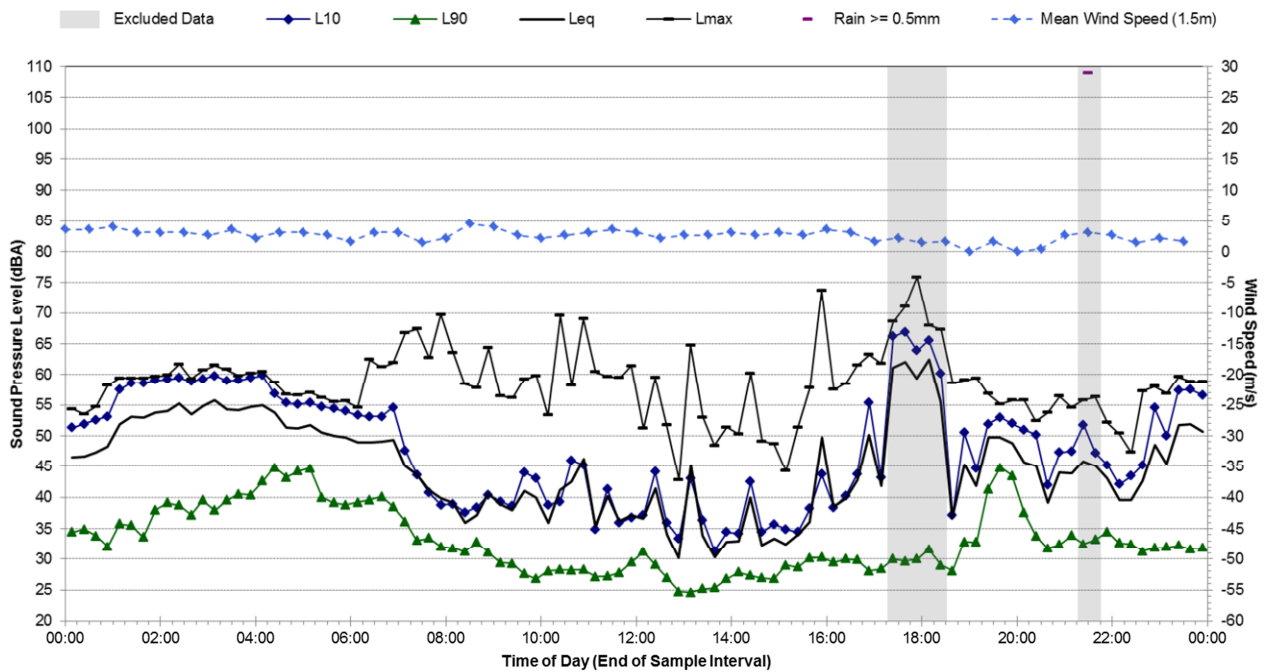
Statistical Ambient Noise Levels

NM12 - Friday, 22 March 2013



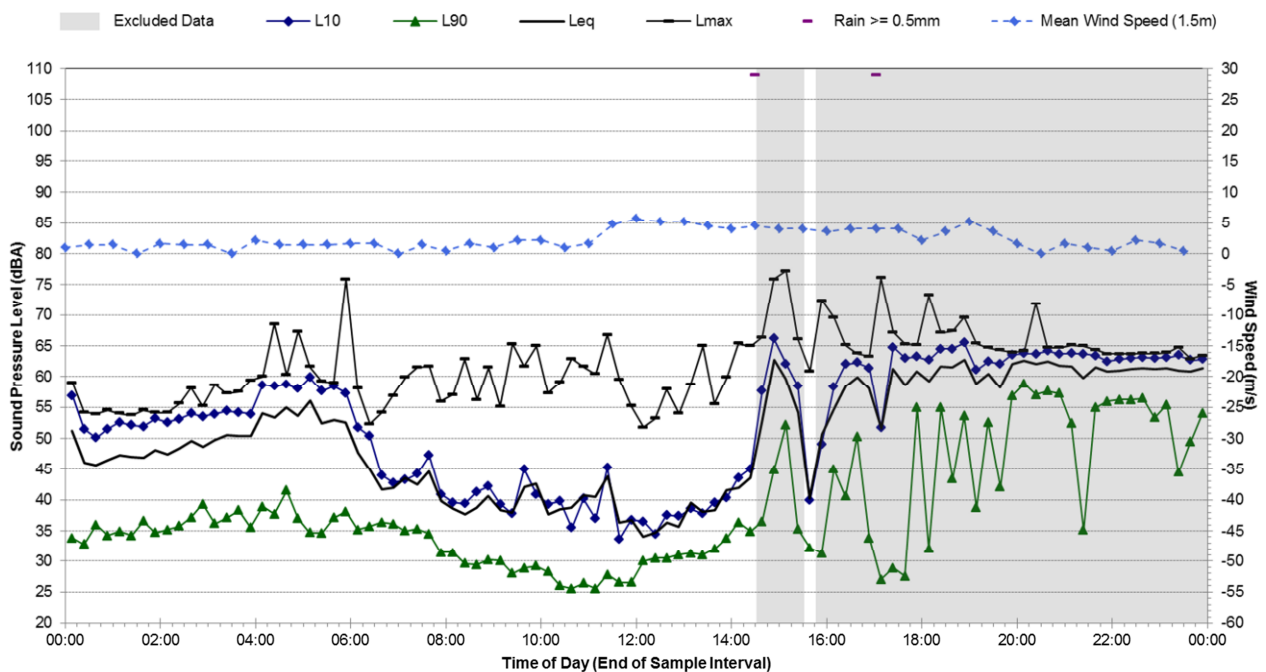
Statistical Ambient Noise Levels

NM12 - Saturday, 23 March 2013



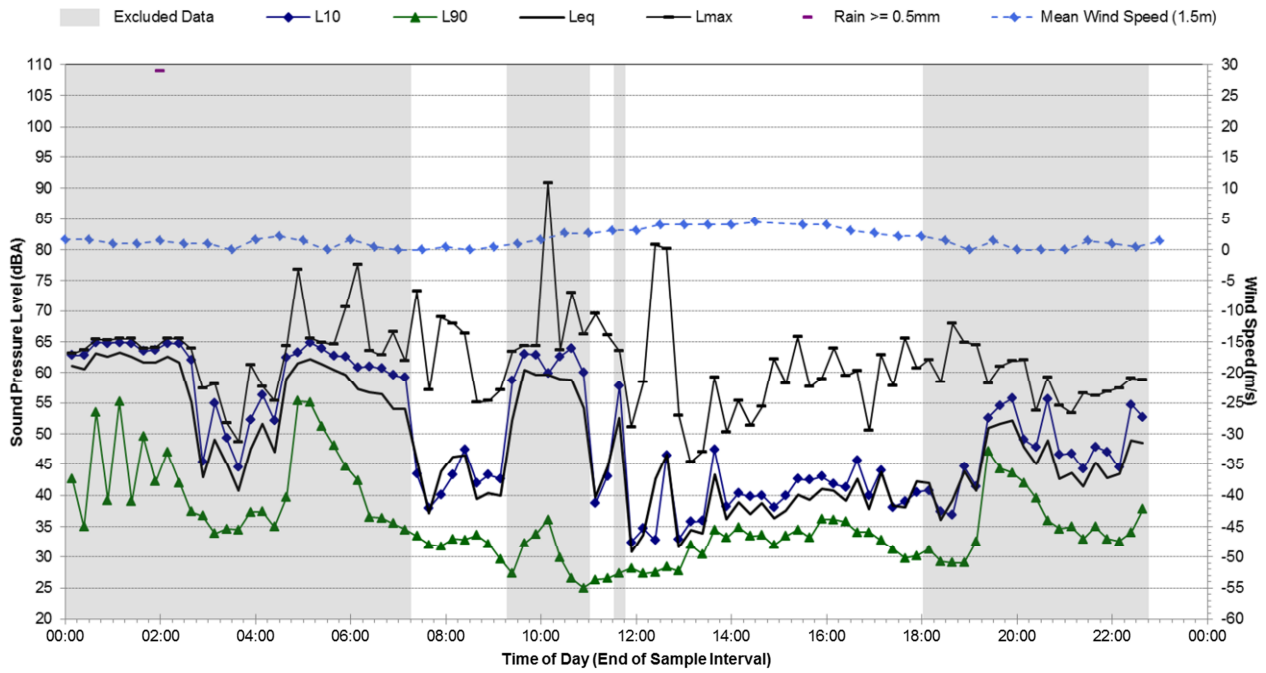
Statistical Ambient Noise Levels

NM12 - Sunday, 24 March 2013



Statistical Ambient Noise Levels

NM12 - Monday, 25 March 2013



Ambient Noise Monitoring Results

Noise Monitoring Location: NM13	Map of Noise Monitoring Location
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Noise Monitoring Address: 354 South Arm Road, Urunga

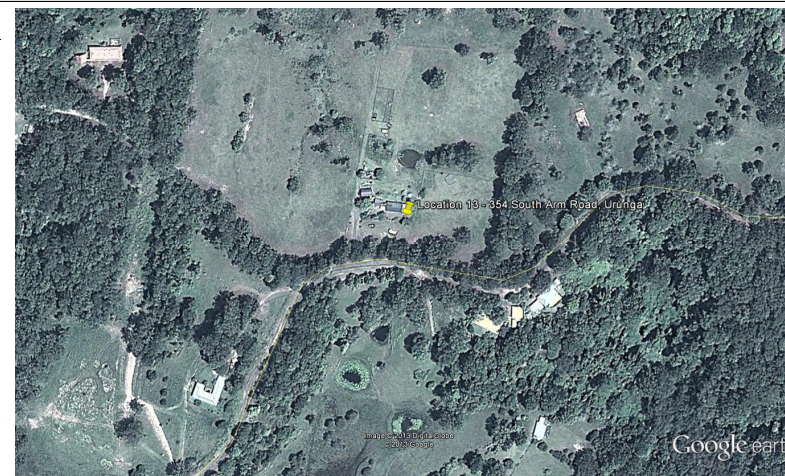
Logger Device Type: Svantek 955
 Logger Serial No: 27499

Ambient noise logger deployed within the residential property address 354 South Arm Road, Urunga. Logger located in front yard on south-eastern corner of the property.

Attended noise measurements indicate the ambient noise environment at this location is dominated by neighbourhood activities during the daytime. Occasional road traffic noise from local road can be heard at this location.

Recorded Noise Levels (L_{Amax}):

Neighbourhood activities (eg. voices, activities inside the house): 28-58 dBA; insects 35-72 dBA; Birds: 45-59 dBA; Lawn mowing (distant): 33-40 dBA; Roosters: 73-80 dBA; Activities in the caravan (eg. door close): 38-47 dBA; Horses 43-53 dBA.



Ambient Noise Logging Results – INP Defined Time Periods	Photo of Noise Monitoring Location
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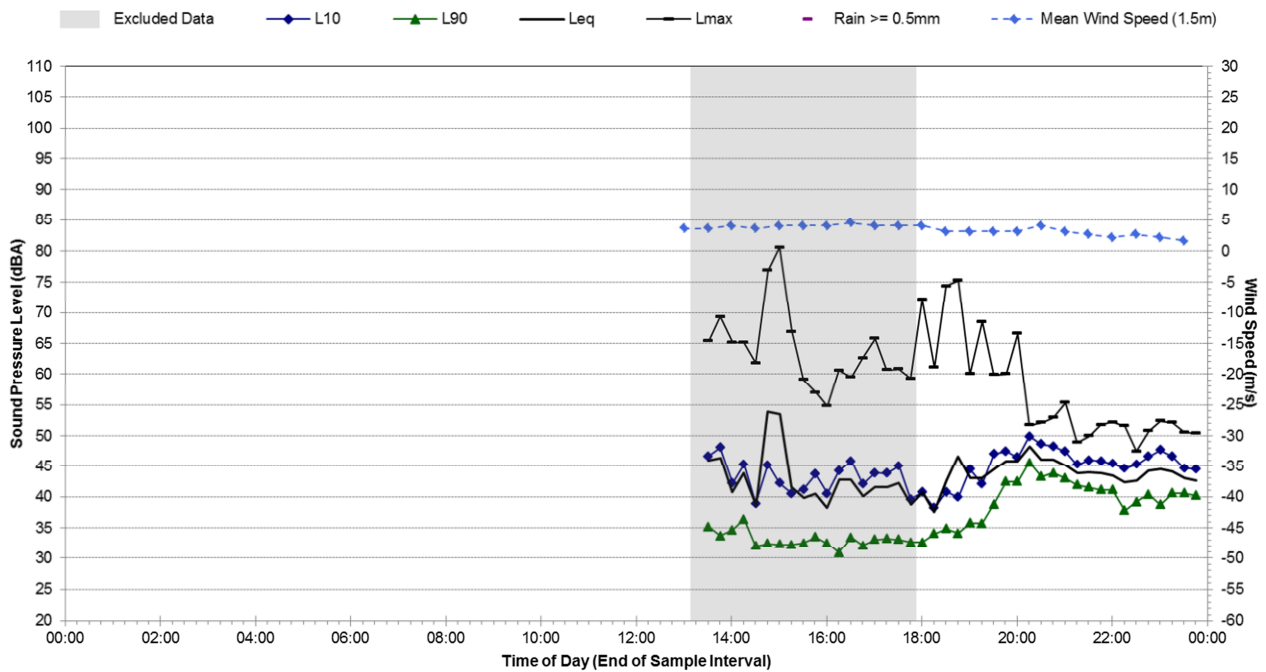
Monitoring Period	Noise Level (dBA)			
	RBL	LAeq	L10	L1
Daytime	30	45	43	54
Evening	35	44	45	48
Night-time	39	47	48	50



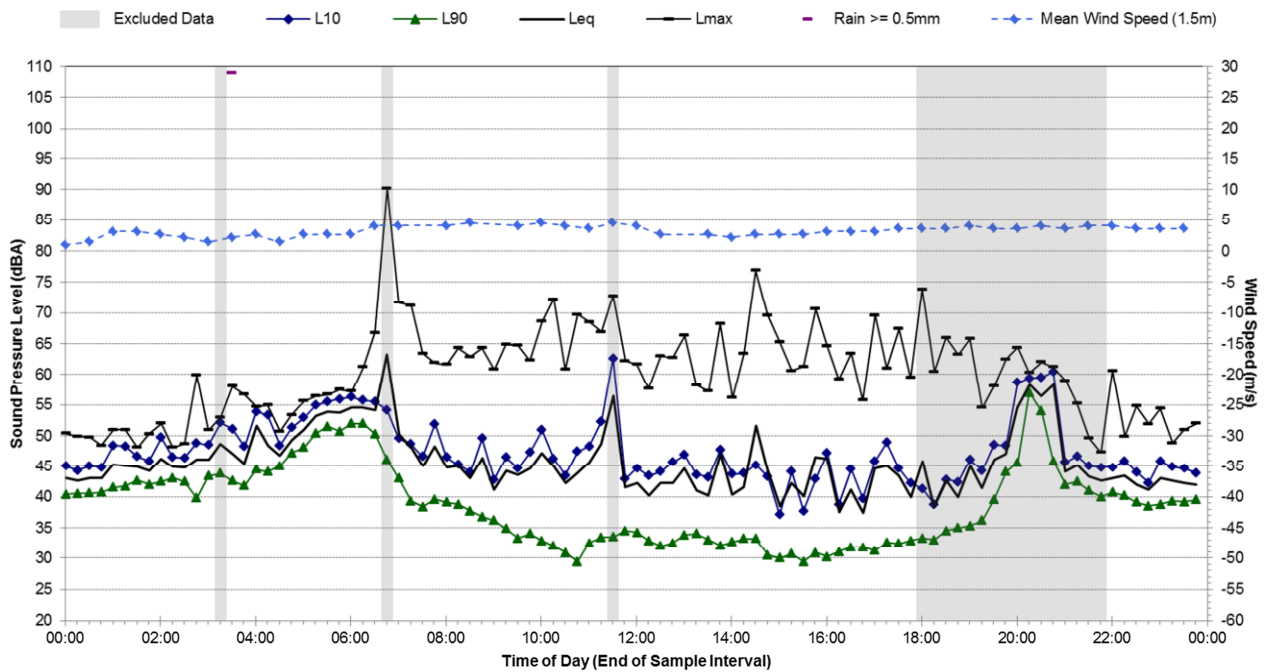
Monitoring Period	Noise Level (dBA)		
	Weekday LAeq(Period)	Weekend LAeq(Period)	Weekly LAeq(Period)
Number of Valid Days	5	3	N/A (7 Day Average)
Daytime (7am-10pm)	45	44	44
Night-time (10pm-7am)	47	48	47

Attended Noise Measurement Results				
Date	Start Time	Measured Noise Level (dBA)		
		LA90	LAeq	L _{Amax}
11/03/2013	12:53 pm	35	56	80

Statistical Ambient Noise Levels NM13 - Monday, 11 March 2013

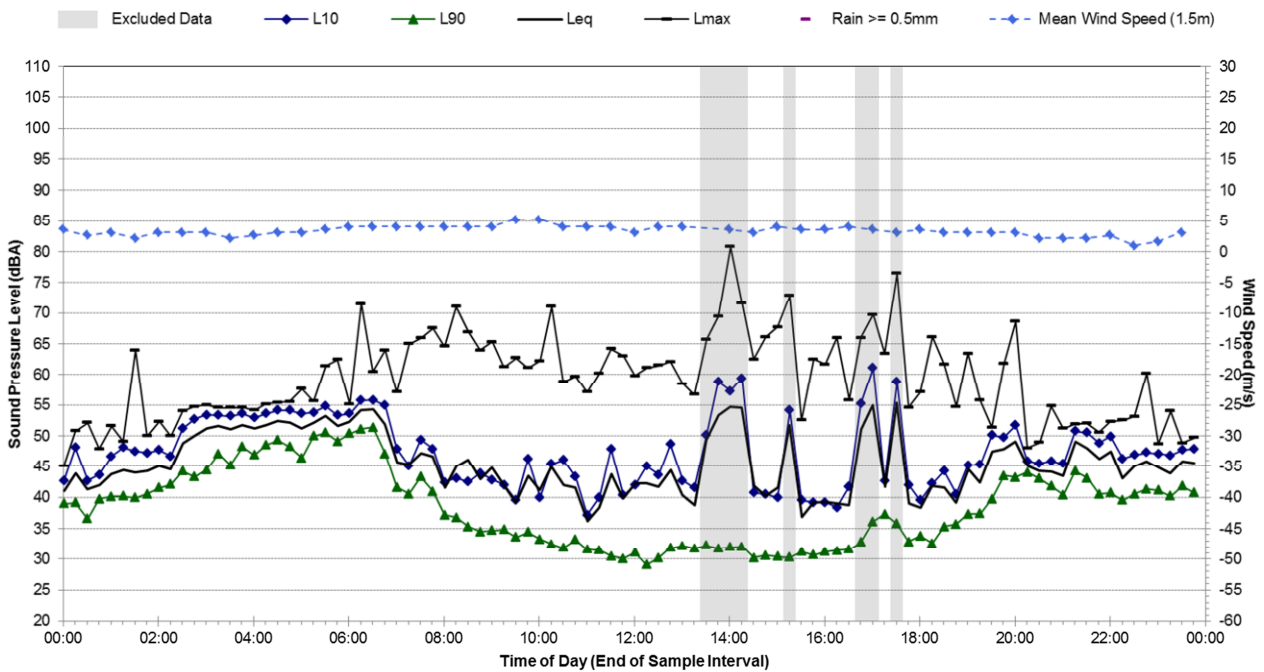


Statistical Ambient Noise Levels NM13 - Tuesday, 12 March 2013



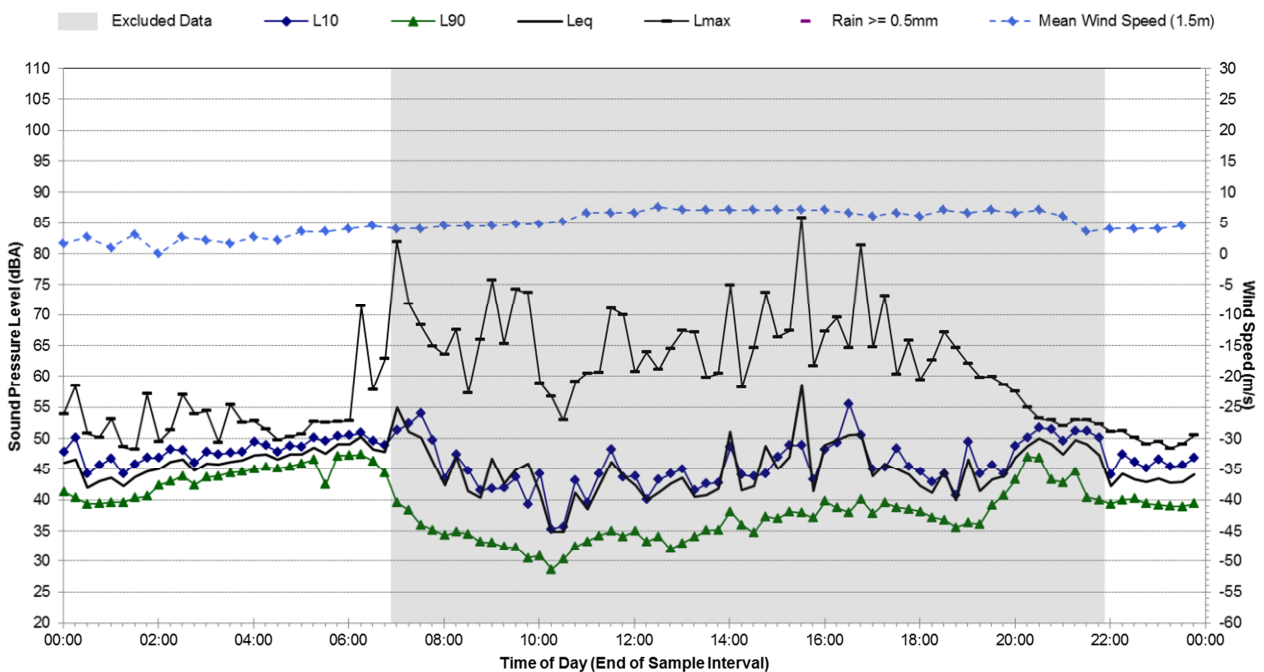
Statistical Ambient Noise Levels

NM13 - Wednesday, 13 March 2013



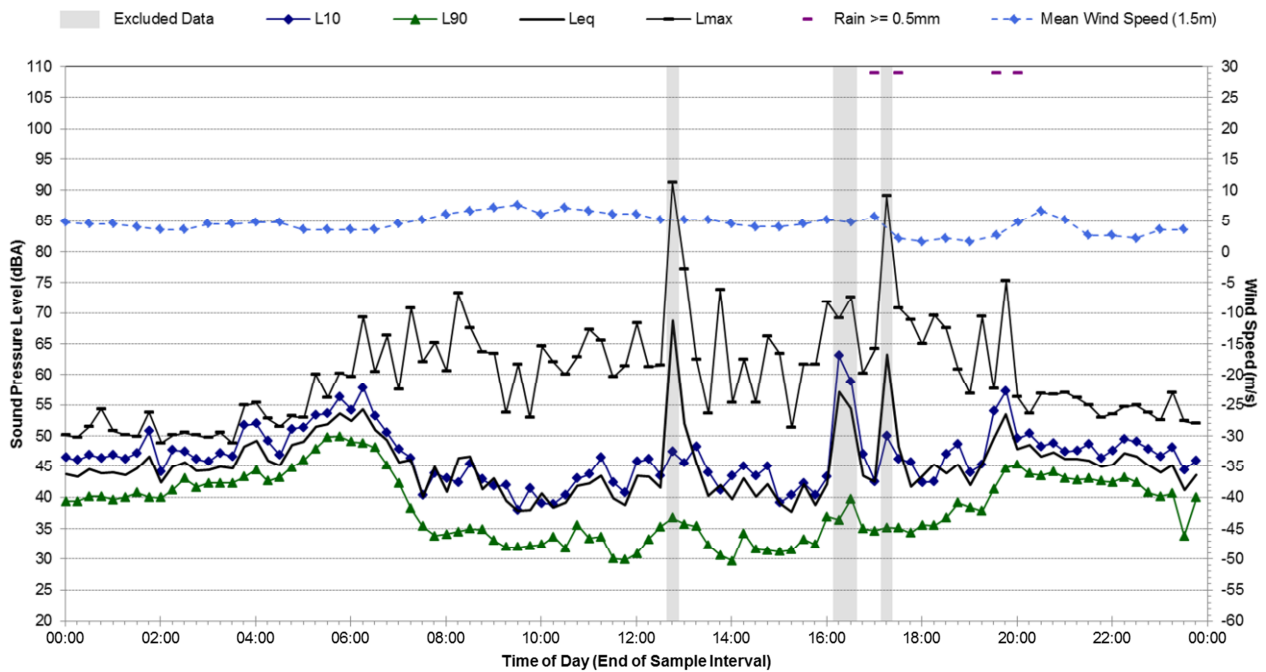
Statistical Ambient Noise Levels

NM13 - Thursday, 14 March 2013



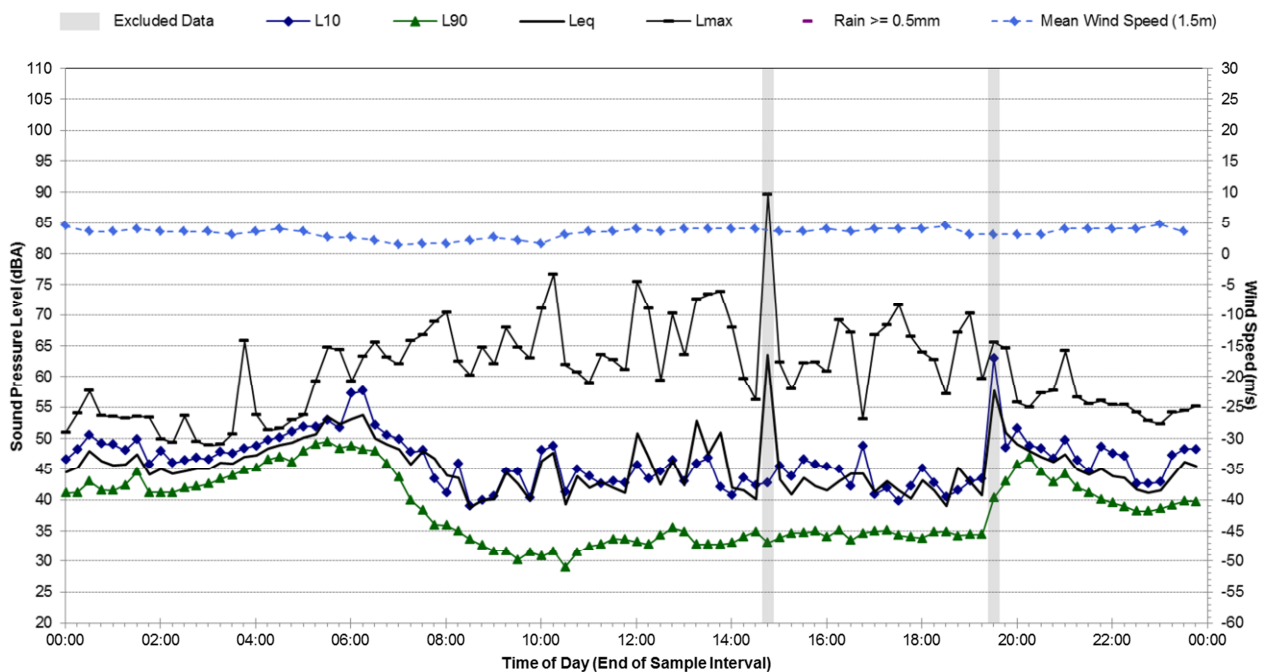
Statistical Ambient Noise Levels

NM13 - Friday, 15 March 2013



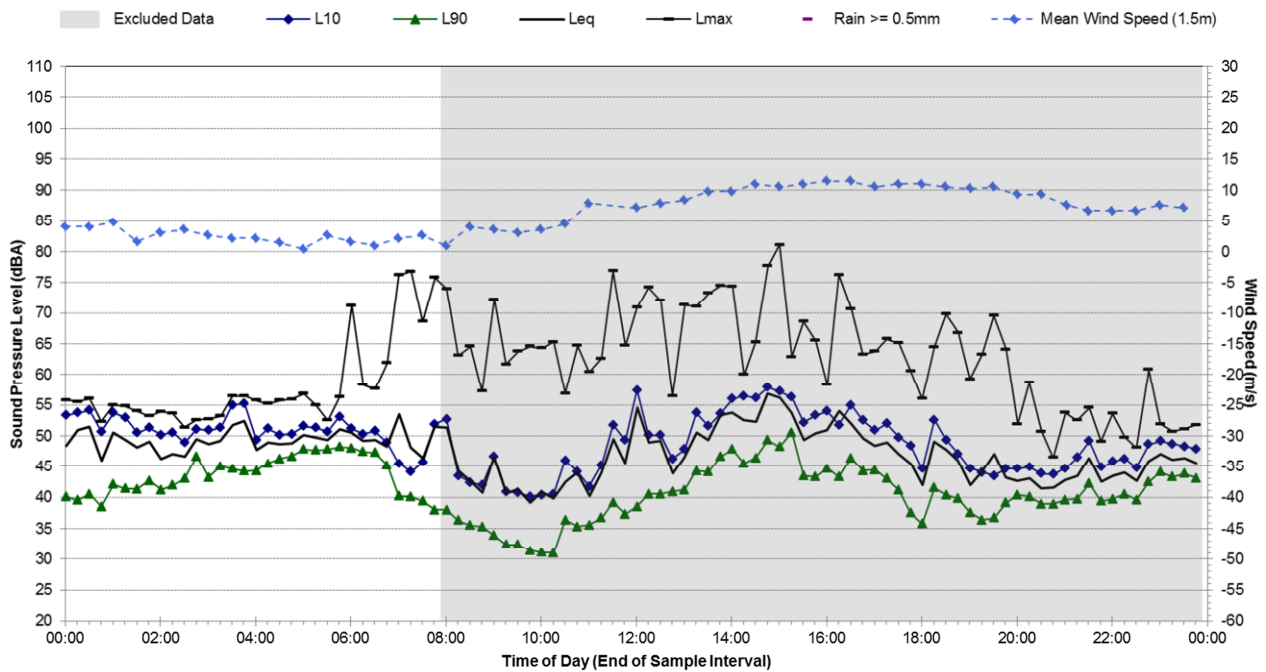
Statistical Ambient Noise Levels

NM13 - Saturday, 16 March 2013



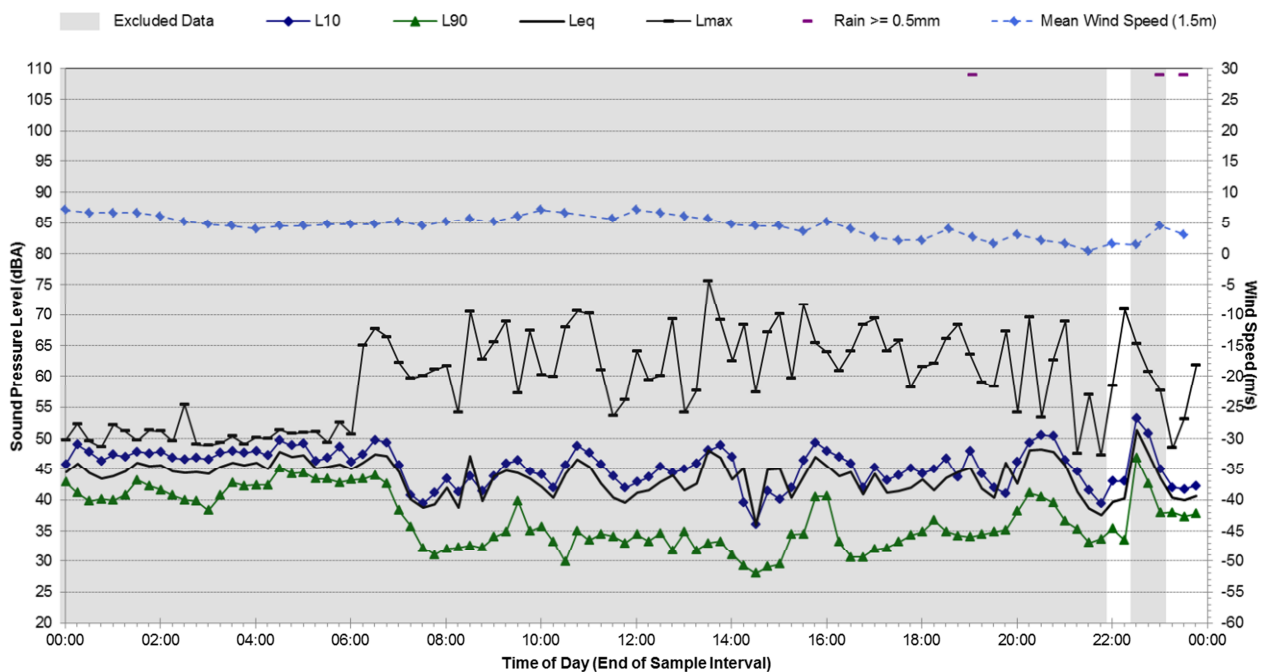
Statistical Ambient Noise Levels

NM13 - Sunday, 17 March 2013



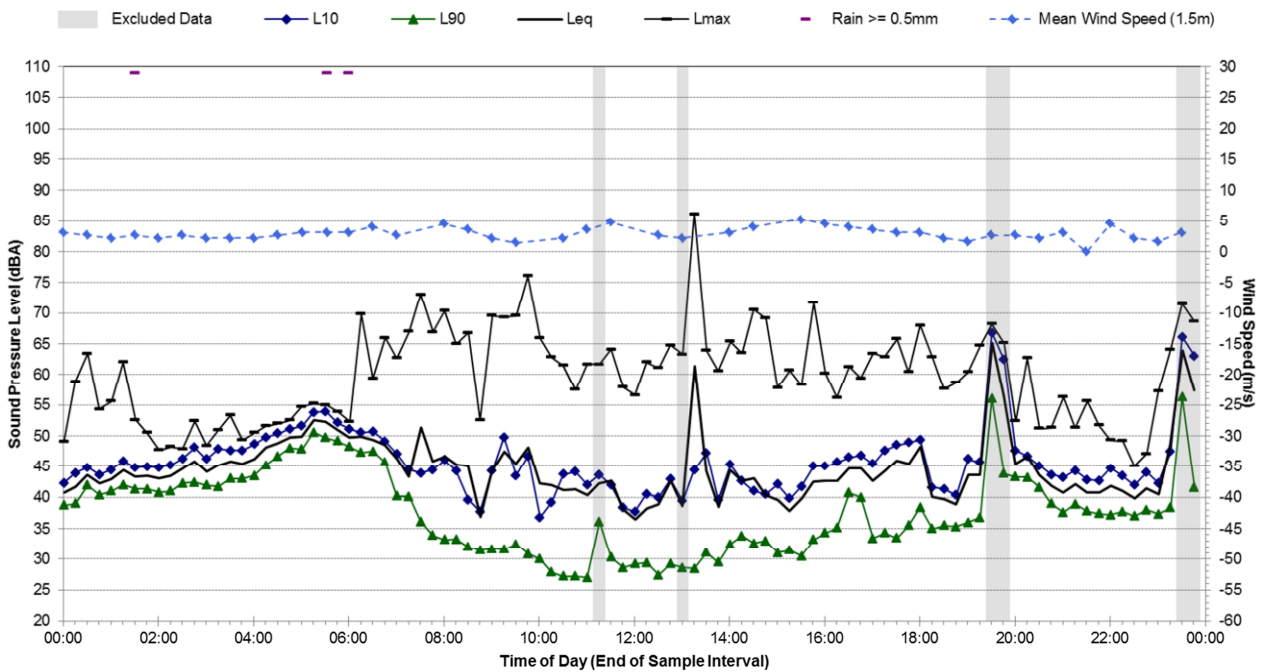
Statistical Ambient Noise Levels

NM13 - Monday, 18 March 2013



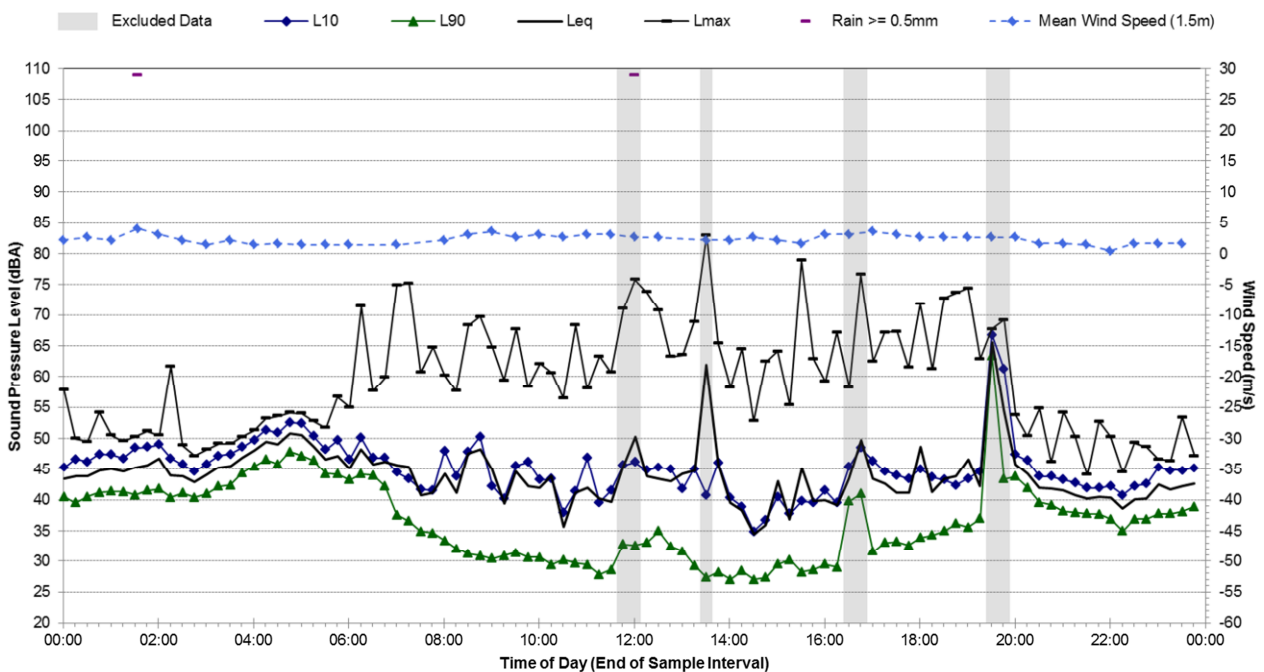
Statistical Ambient Noise Levels

NM13 - Tuesday, 19 March 2013



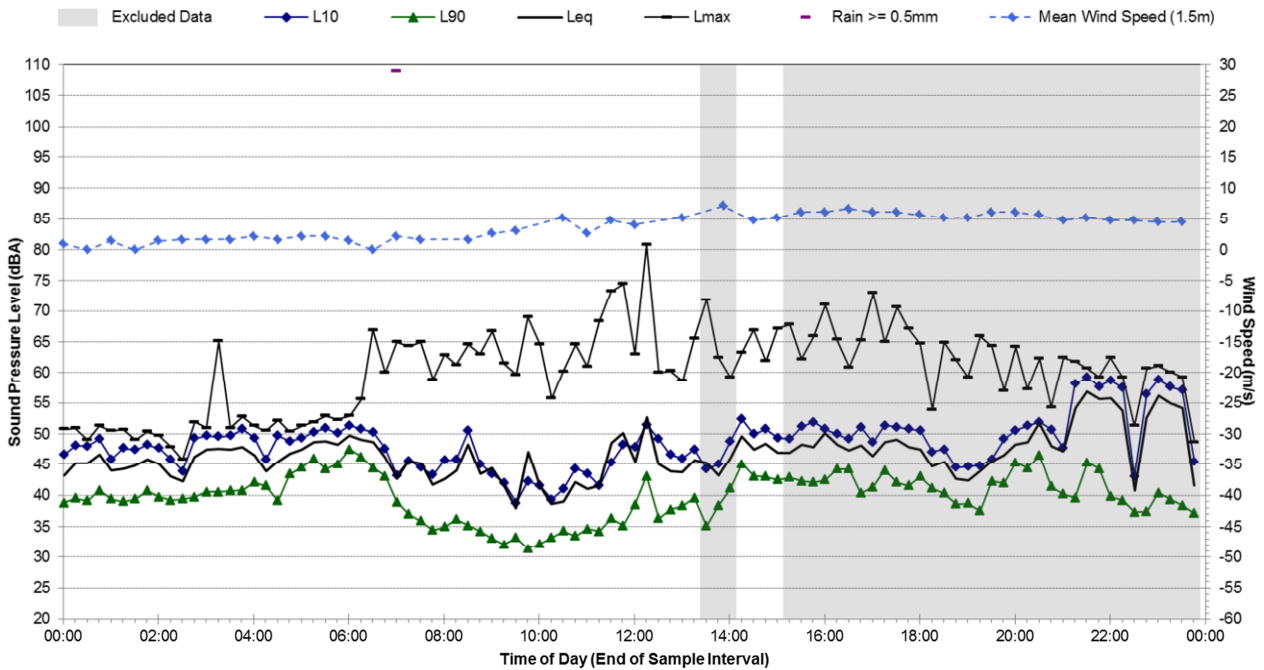
Statistical Ambient Noise Levels

NM13 - Wednesday, 20 March 2013



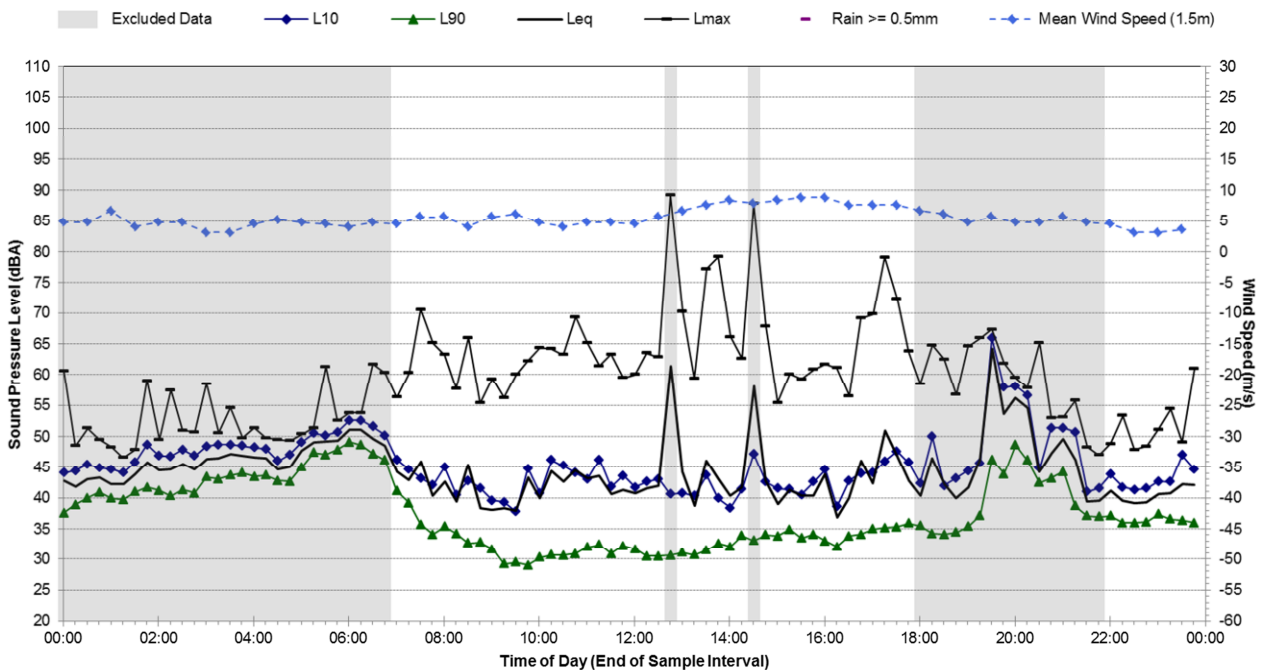
Statistical Ambient Noise Levels

NM13 - Thursday, 21 March 2013



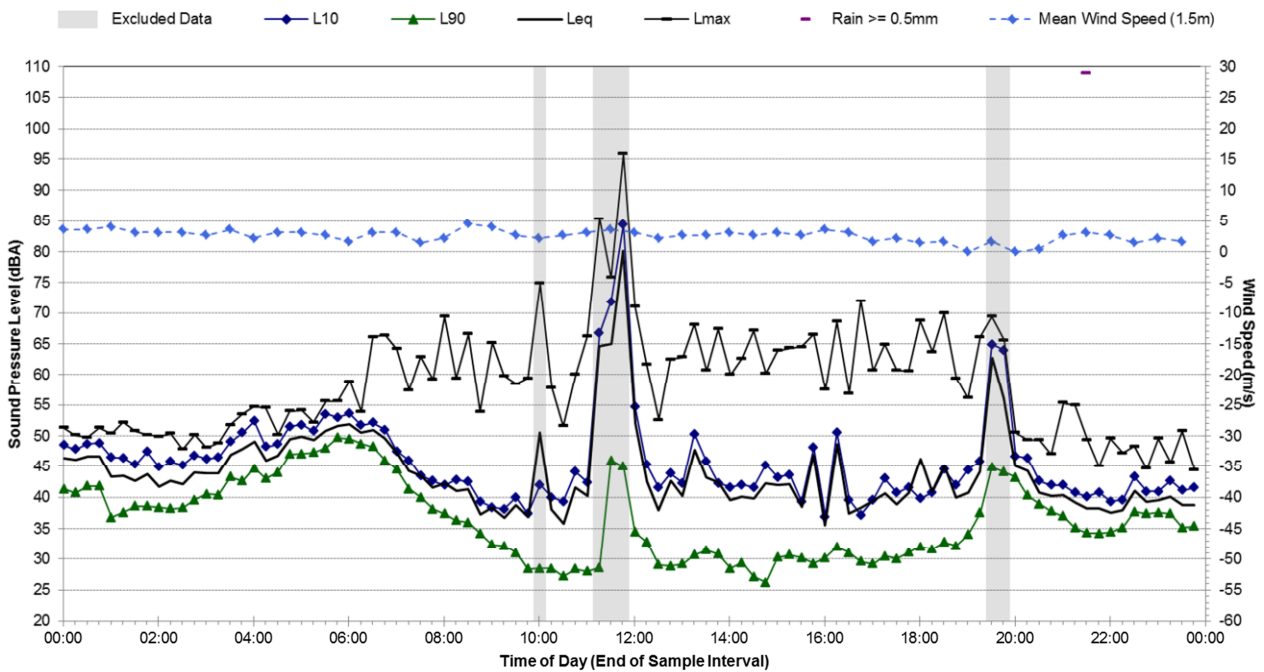
Statistical Ambient Noise Levels

NM13 - Friday, 22 March 2013



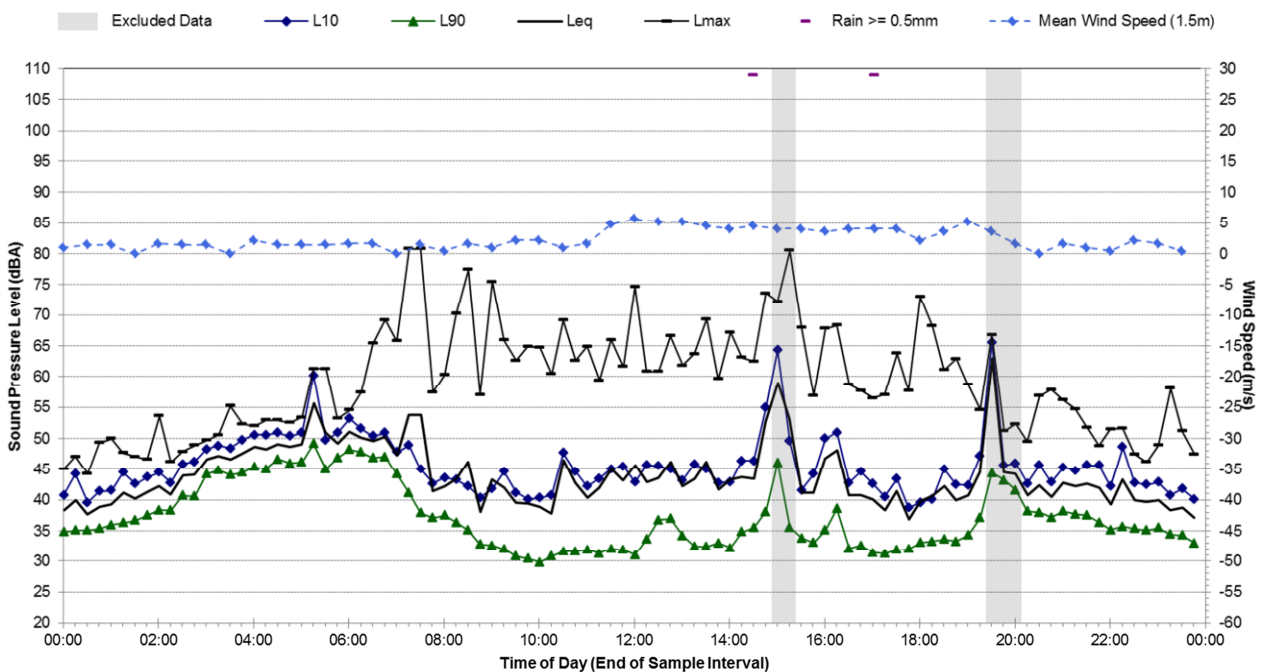
Statistical Ambient Noise Levels

NM13 - Saturday, 23 March 2013



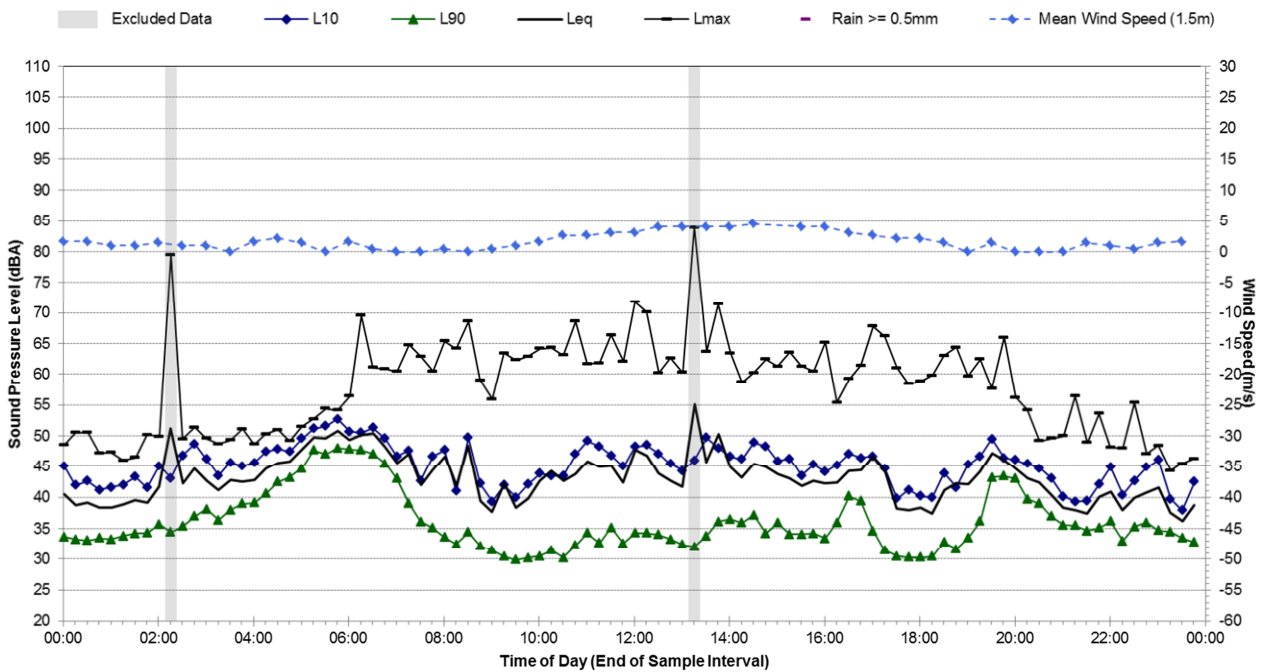
Statistical Ambient Noise Levels

NM13 - Sunday, 24 March 2013



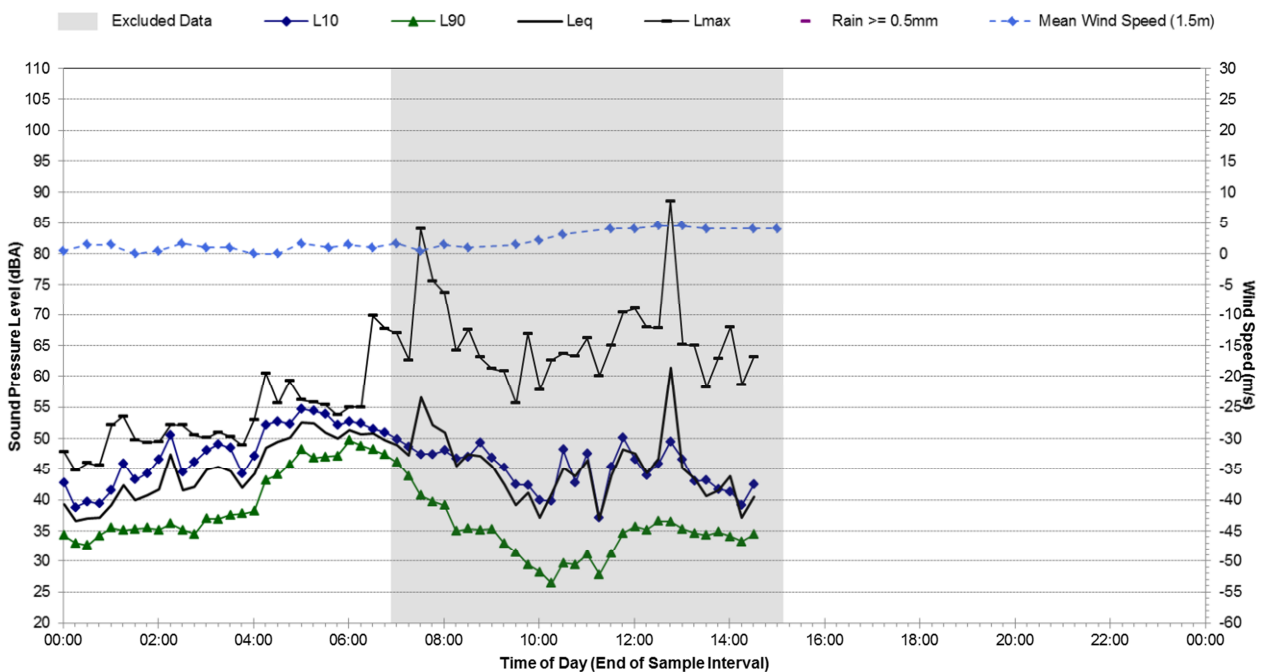
Statistical Ambient Noise Levels

NM13 - Monday, 25 March 2013



Statistical Ambient Noise Levels

NM13 - Tuesday, 26 March 2013



Ambient Noise Monitoring Results

Noise Monitoring Location: NM14	Map of Noise Monitoring Location
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Noise Monitoring Address: 17 Ridgewood Drive, Raleigh

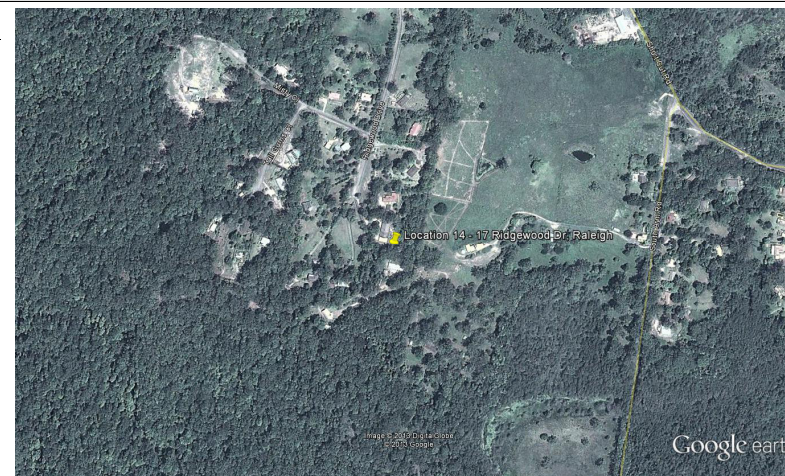
Logger Device Type: Svantek 957
 Logger Serial No: 24522

Ambient noise logger deployed within the residential property address 17 Ridgewood Drive, Raleigh. Logger located in rear yard on south-eastern boundary of the property.

Attended noise measurements indicate the ambient noise environment at this location is dominated by road traffic noise from Pacific Highway, birds and insect noise during the daytime.

Recorded Noise Levels (L_{Amax}):

Pacific Hwy road traffic: 33-43 dBA; Birds: 39-75 dBA; Insects: 35-46 dBA; Metal sheet creaking: 40-41 dBA; Wind in trees: 22-32 dBA.



Ambient Noise Logging Results – INP Defined Time Periods	Photo of Noise Monitoring Location
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Monitoring Period	Noise Level (dBA)			
	RBL	LAeq	L10	L1
Daytime	35	47	47	55
Evening	37	46	44	48
Night-time	34	41	40	43

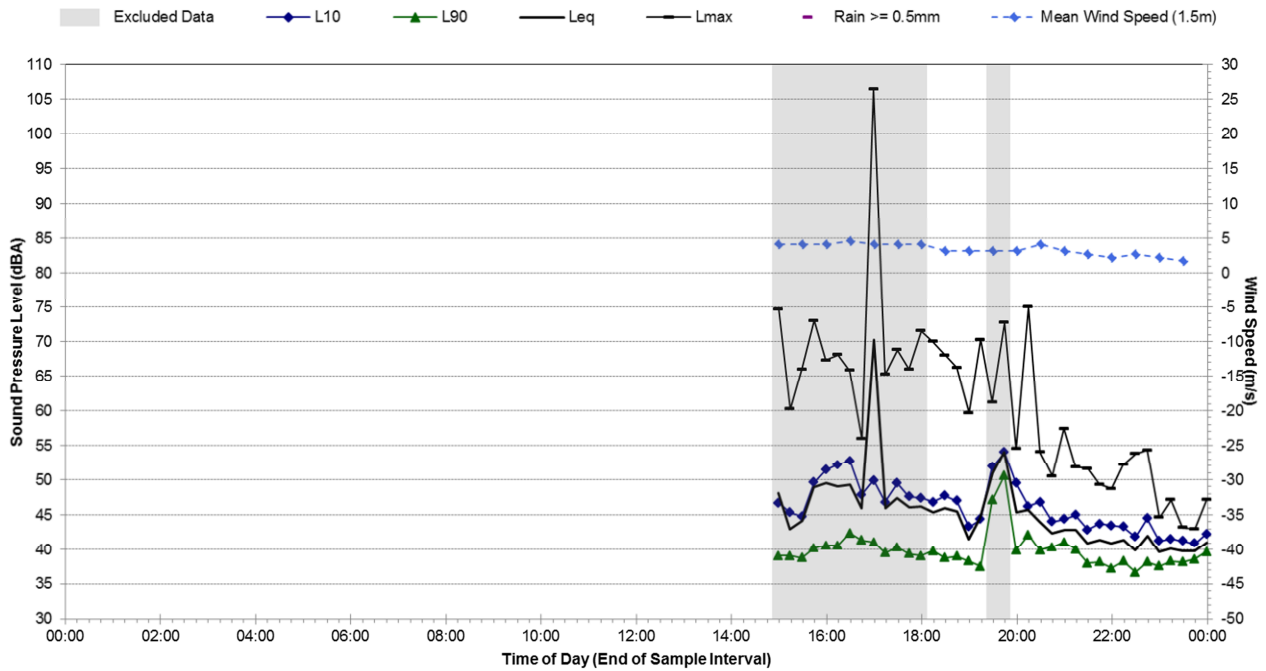


Monitoring Period	Noise Level (dBA)		
	Weekday LAeq(Period)	Weekend LAeq(Period)	Weekly LAeq(Period)
Number of Valid Days	6	3	N/A (7 Day Average)
Daytime (7am-10pm)	47	47	47
Night-time (10pm-7am)	41	41	41

Attended Noise Measurement Results				
Date	Start Time	Measured Noise Level (dBA)		
		LA90	LAeq	L _{Amax}
11/03/2013	2:36	38	46	75

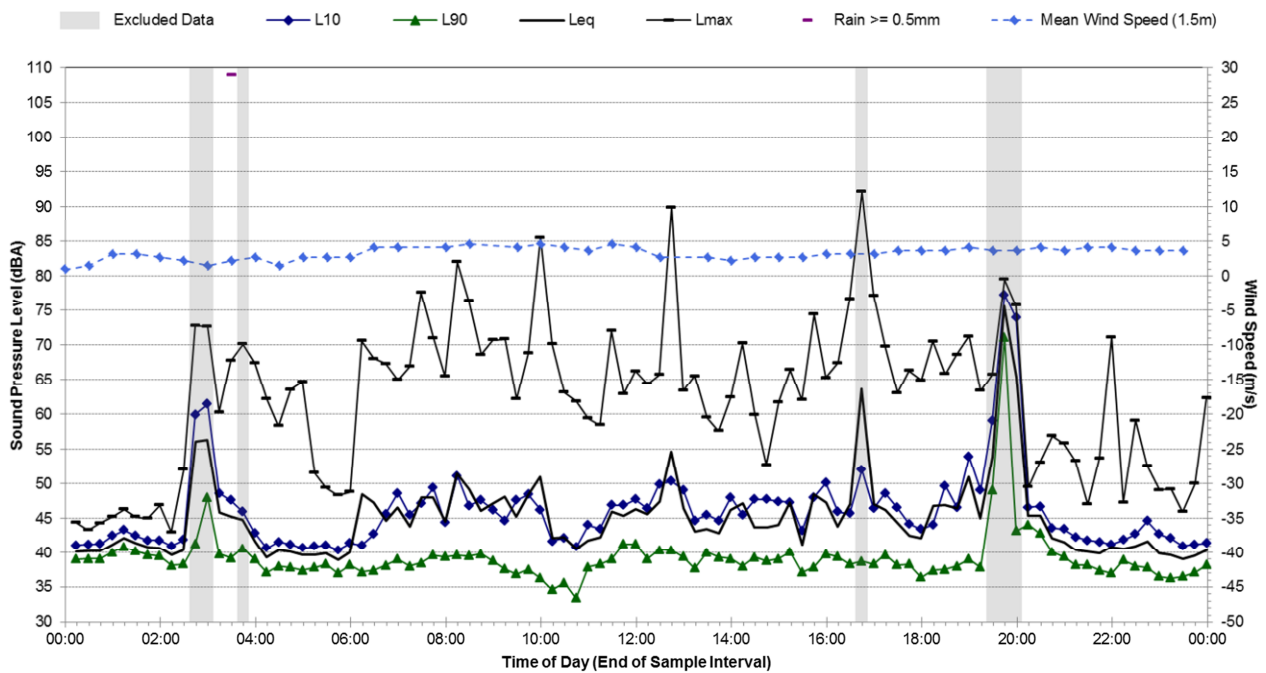
Statistical Ambient Noise Levels

NM14 - Monday, 11 March 2013



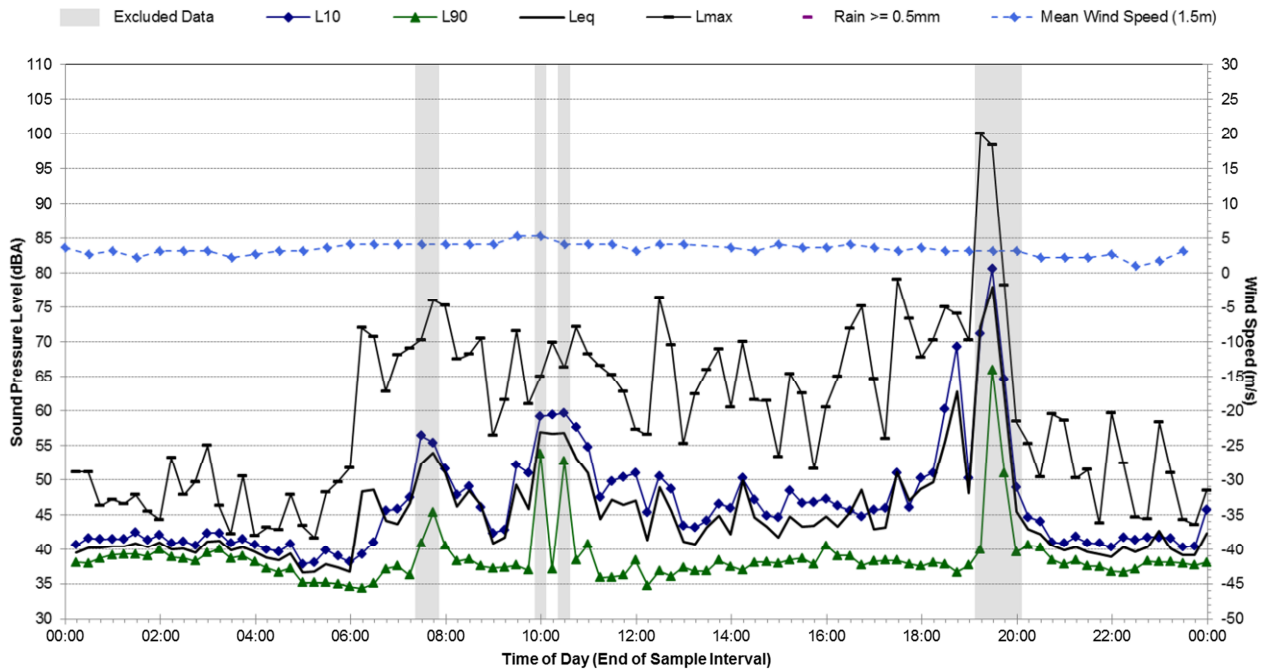
Statistical Ambient Noise Levels

NM14 - Tuesday, 12 March 2013



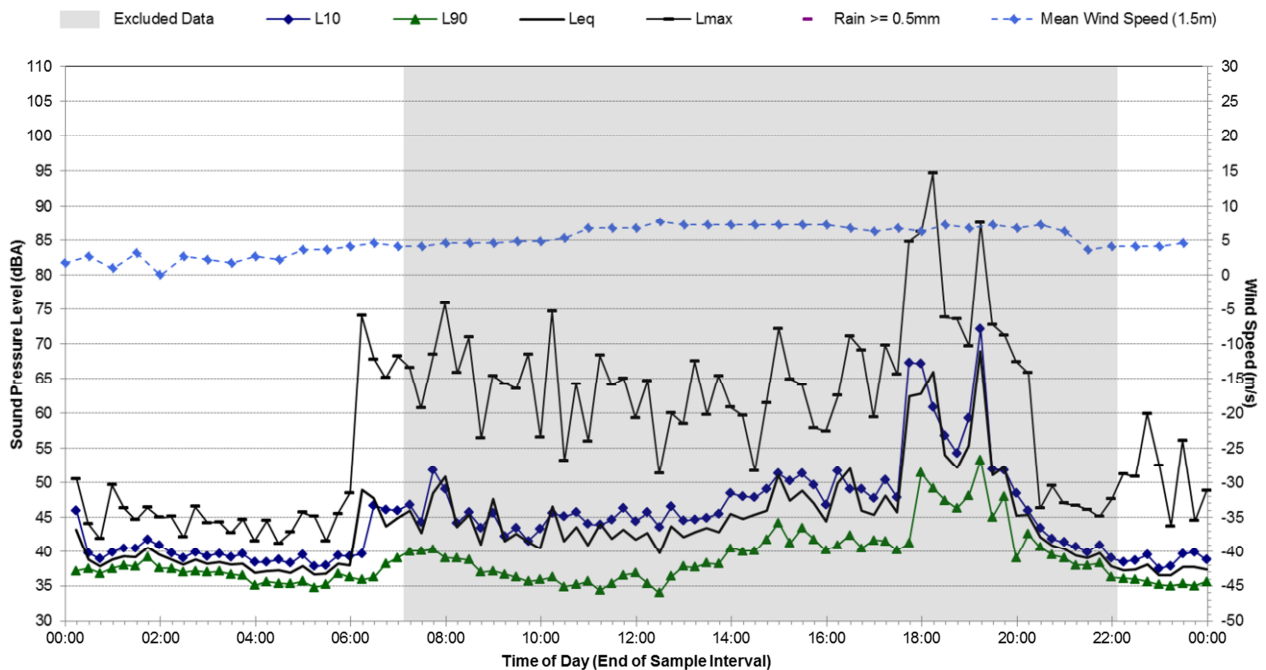
Statistical Ambient Noise Levels

NM14 - Wednesday, 13 March 2013



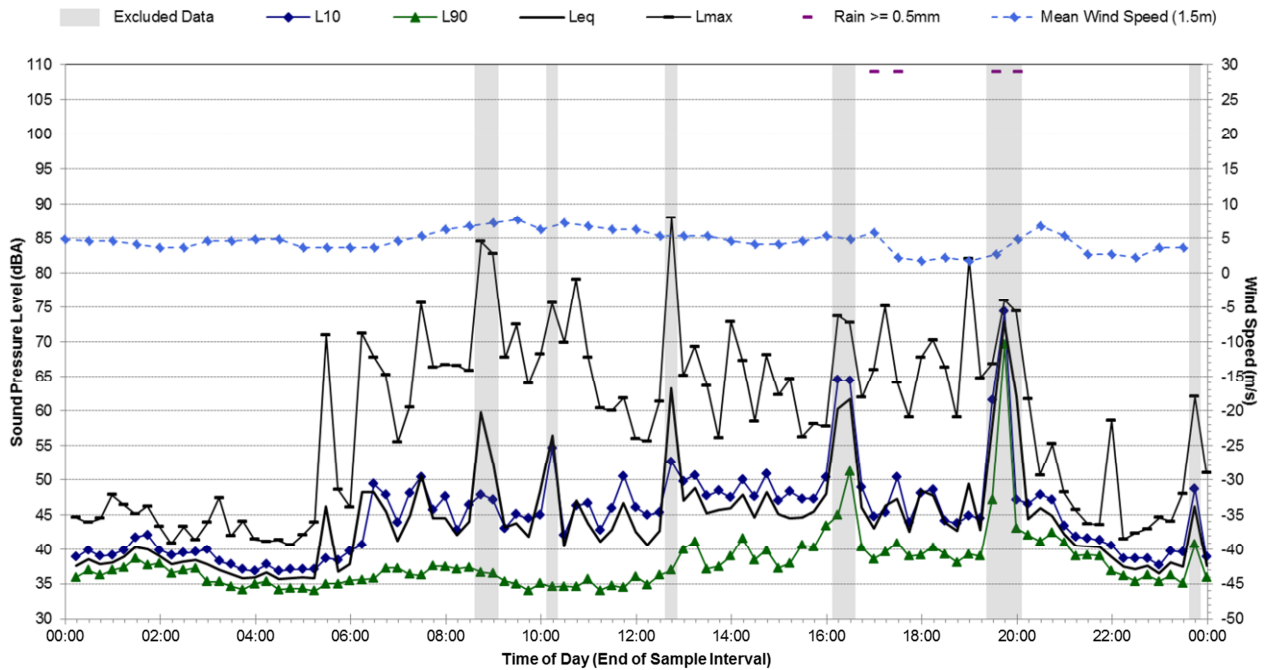
Statistical Ambient Noise Levels

NM14 - Thursday, 14 March 2013



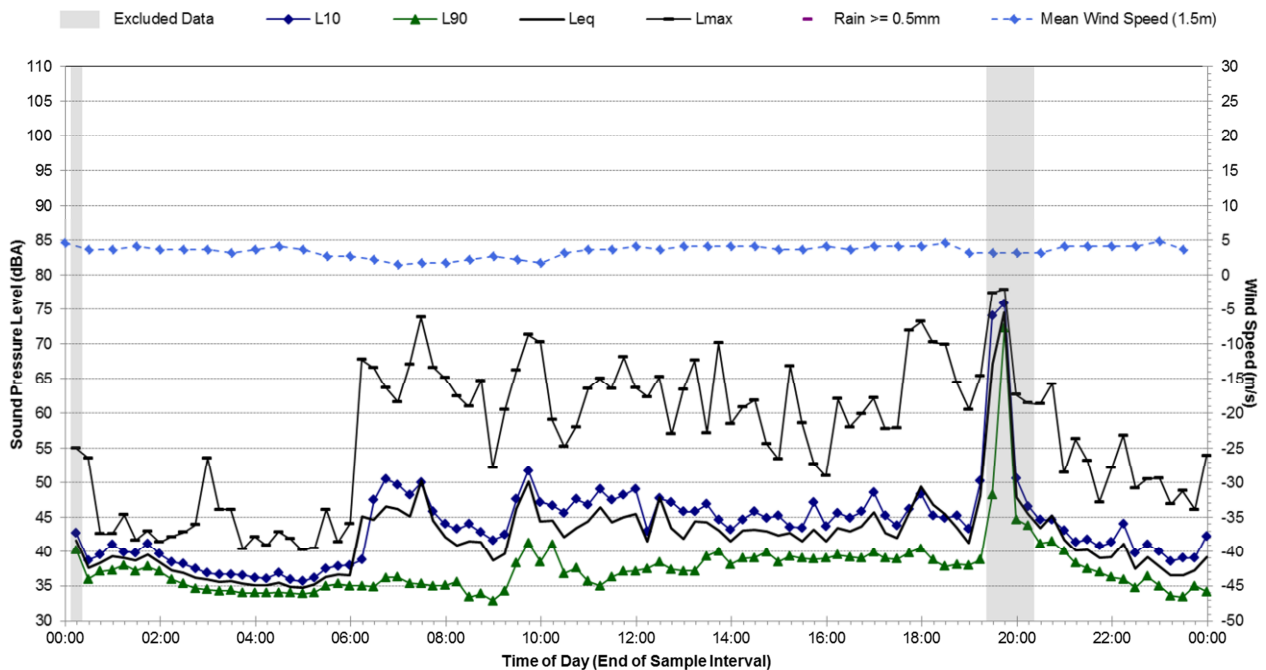
Statistical Ambient Noise Levels

NM14 - Friday, 15 March 2013



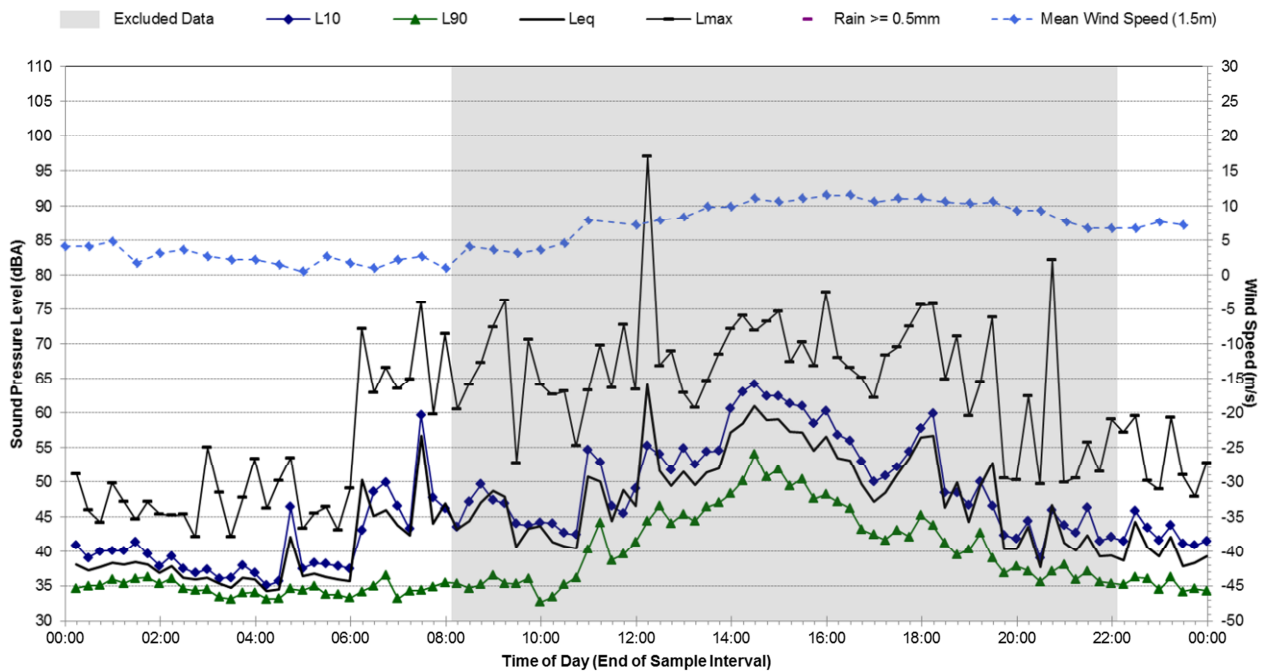
Statistical Ambient Noise Levels

NM14 - Saturday, 16 March 2013



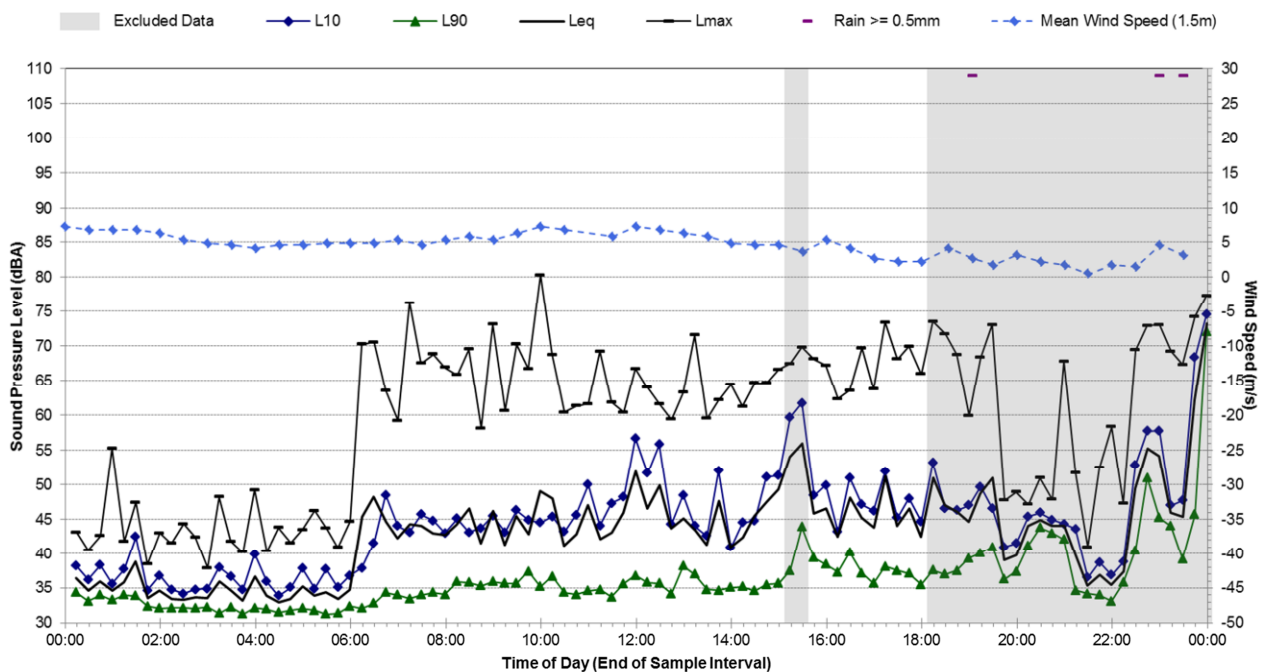
Statistical Ambient Noise Levels

NM14 - Sunday, 17 March 2013



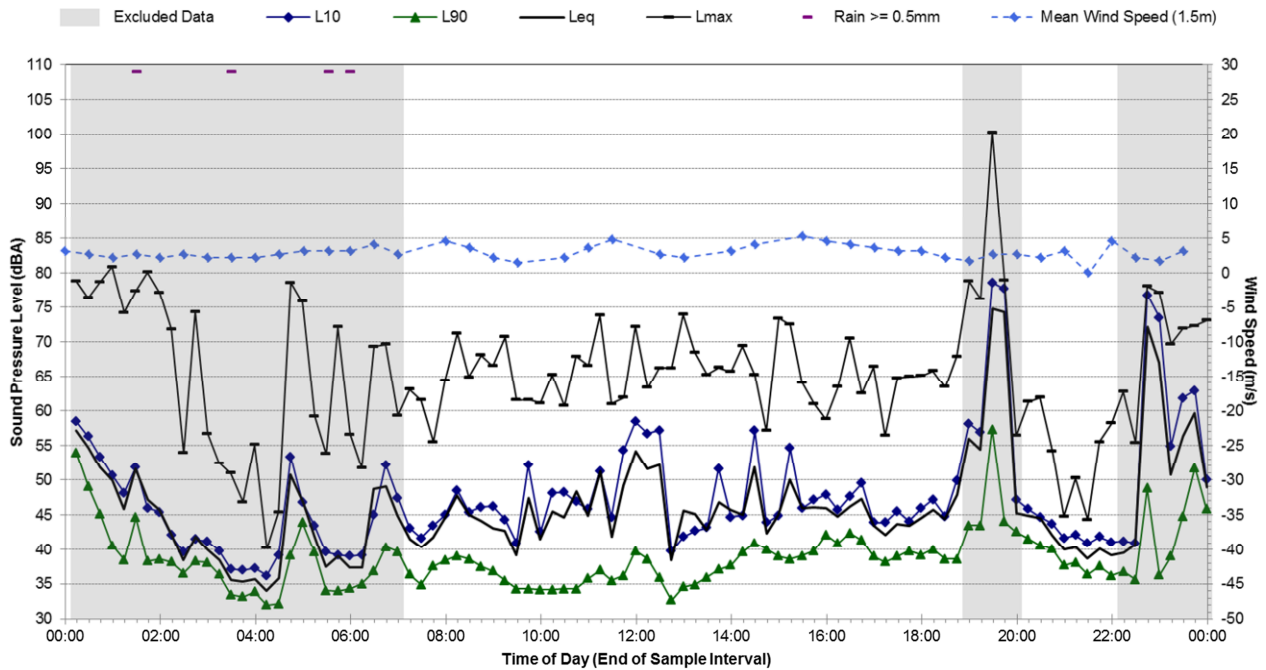
Statistical Ambient Noise Levels

NM14 - Monday, 18 March 2013



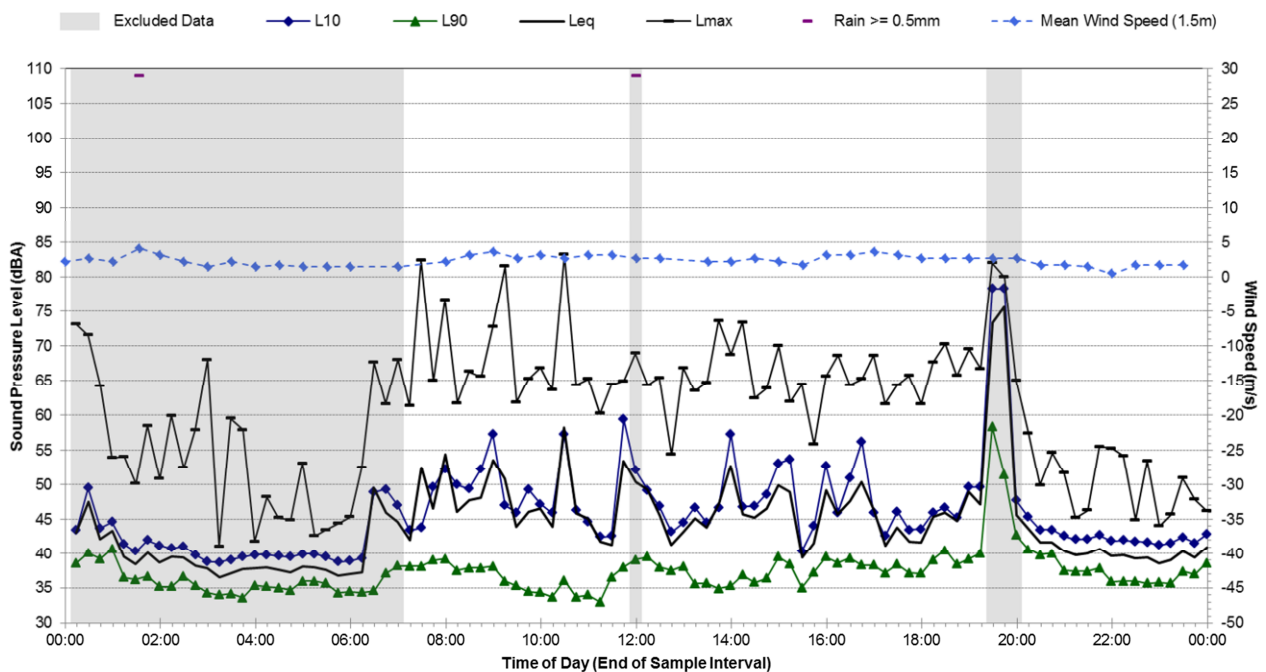
Statistical Ambient Noise Levels

NM14 - Tuesday, 19 March 2013



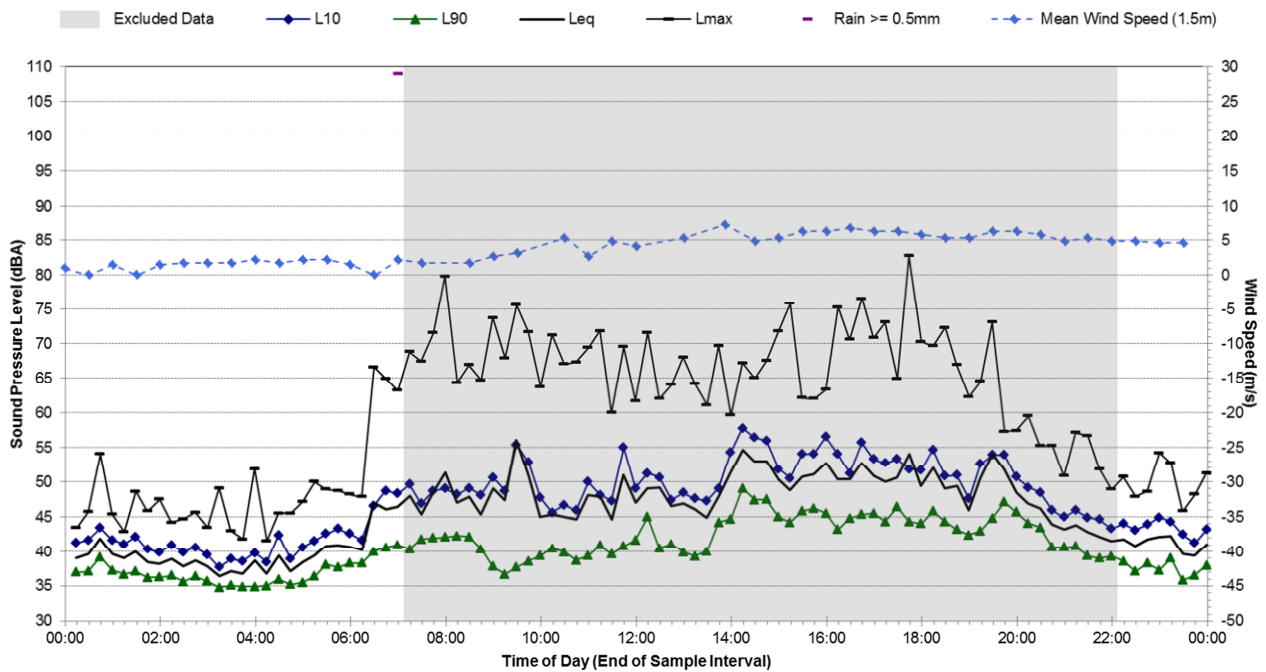
Statistical Ambient Noise Levels

NM14 - Wednesday, 20 March 2013



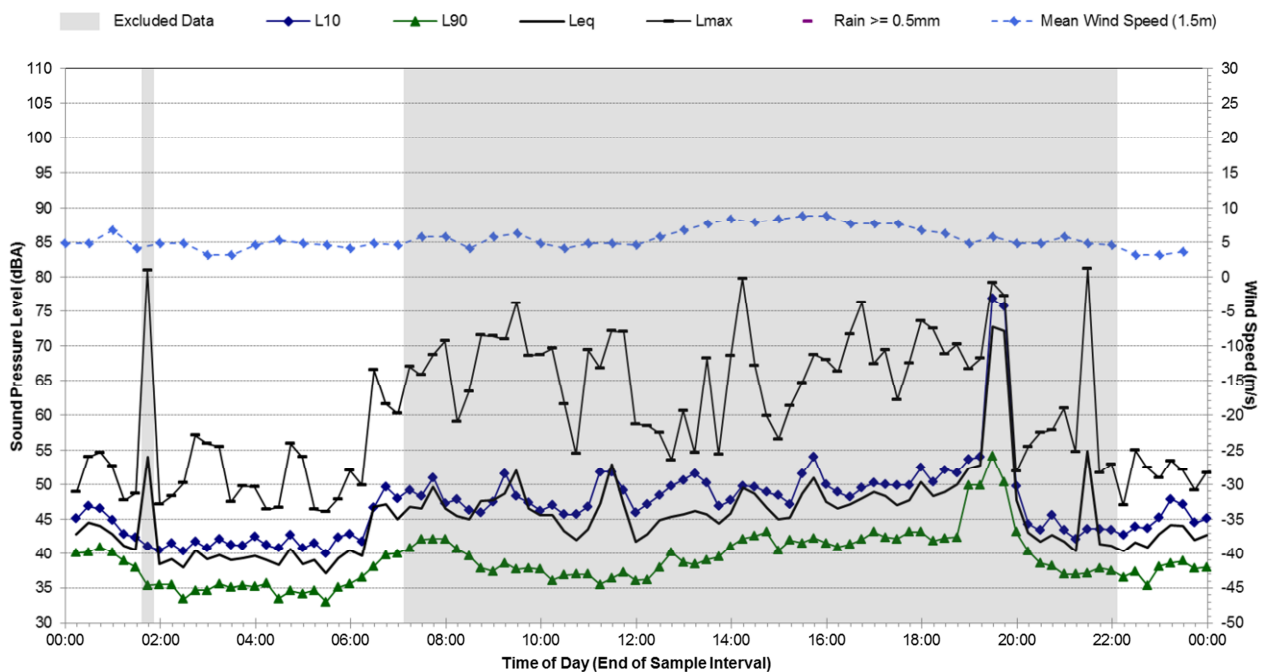
Statistical Ambient Noise Levels

NM14 - Thursday, 21 March 2013



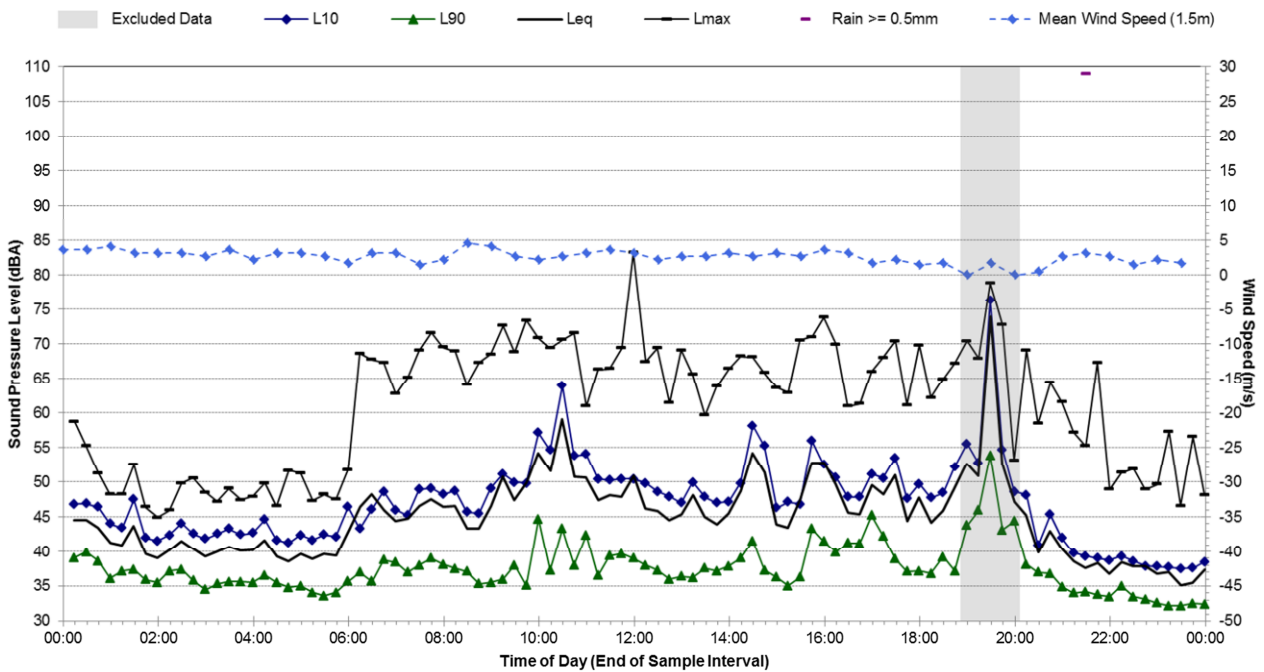
Statistical Ambient Noise Levels

NM14 - Friday, 22 March 2013



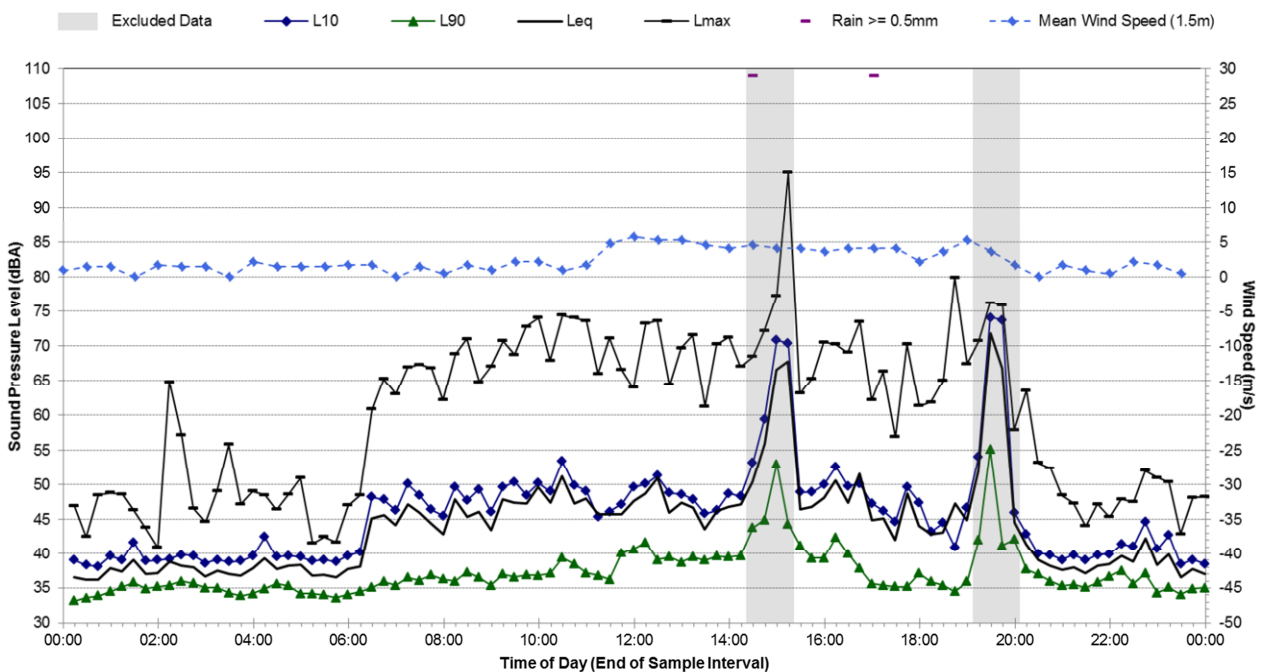
Statistical Ambient Noise Levels

NM14 - Saturday, 23 March 2013



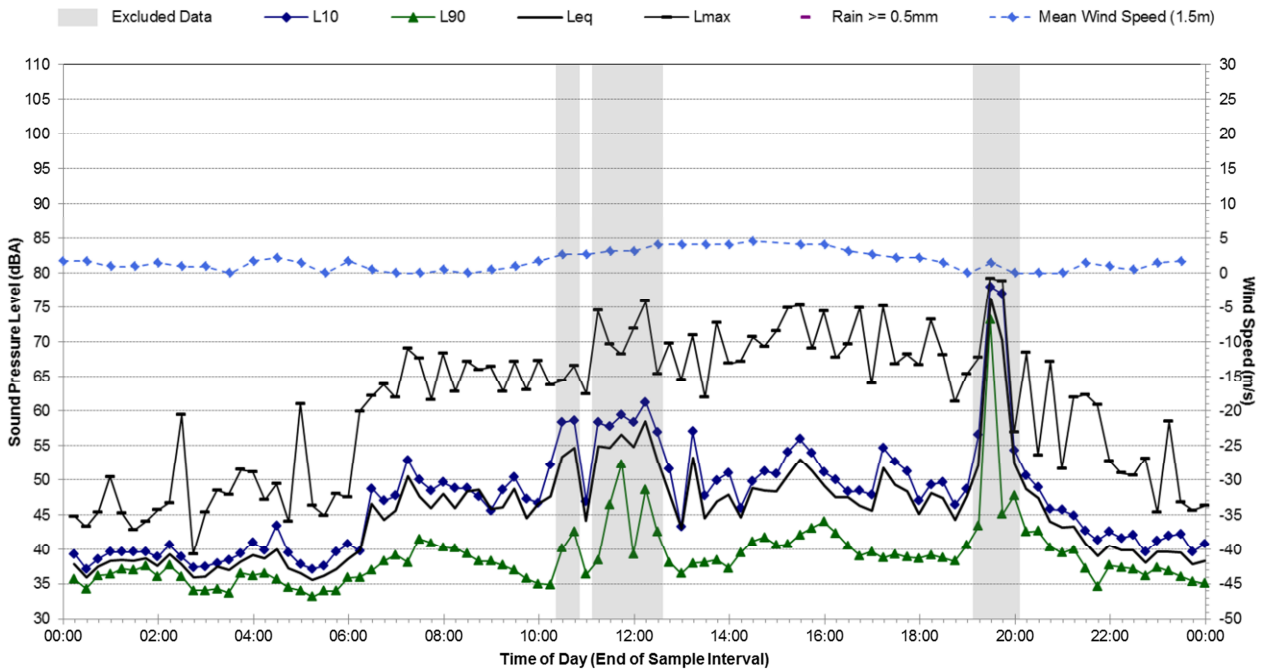
Statistical Ambient Noise Levels

NM14 - Sunday, 24 March 2013



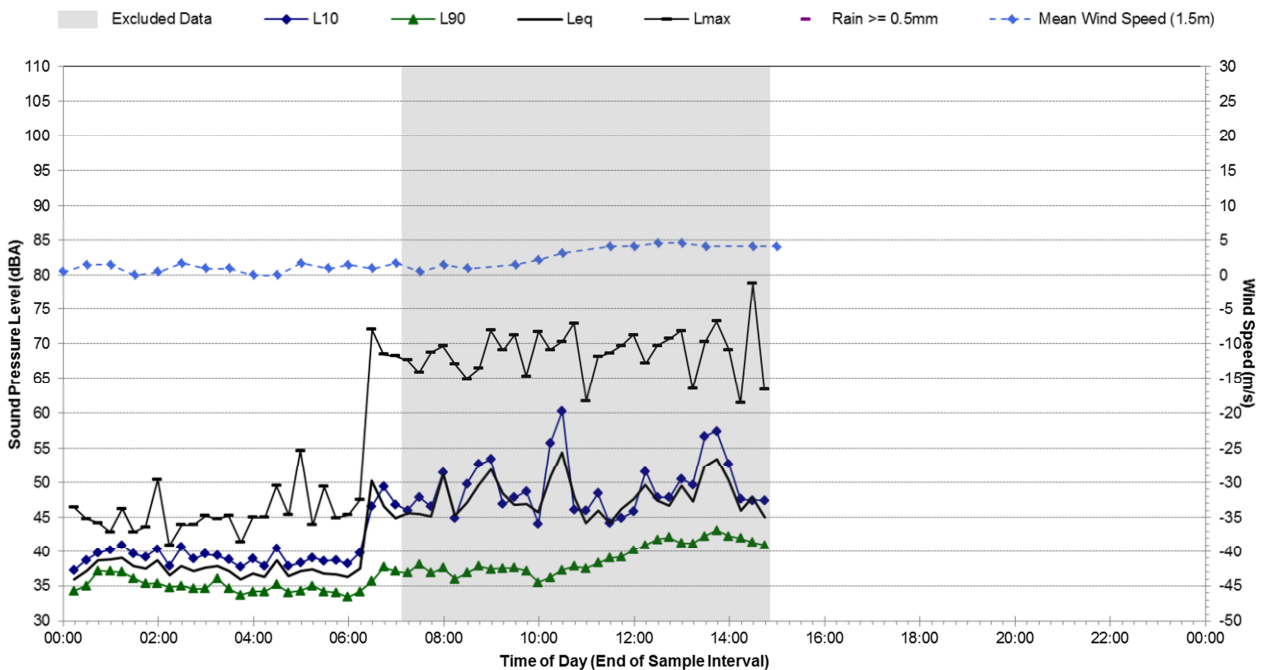
Statistical Ambient Noise Levels

NM14 - Monday, 25 March 2013



Statistical Ambient Noise Levels

NM14 - Tuesday, 26 March 2013



Ambient Noise Monitoring Results

Noise Monitoring Location: NM15	Map of Noise Monitoring Location
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Noise Monitoring Address: 79 Short Cut Road, Urunga

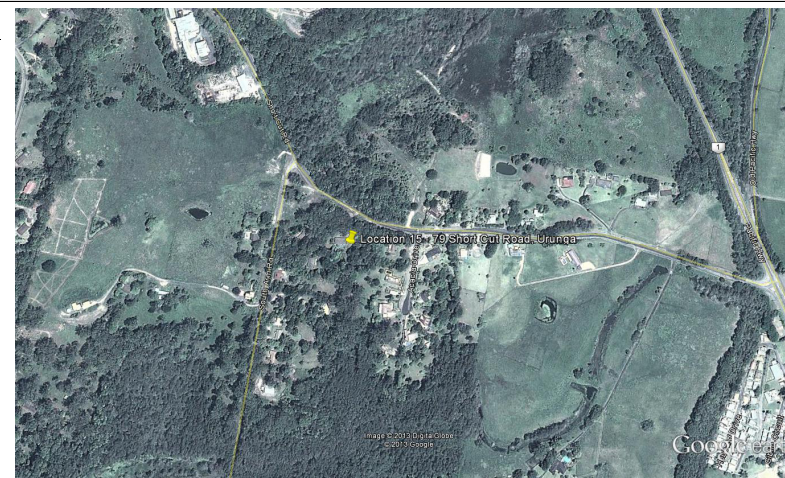
Logger Device Type: Svantek 957
 Logger Serial No: 28045

Ambient noise logger deployed within the residential property address 79 Short Cut Road, Urunga. Logger located on eastern side of the dwelling.

Attended noise measurements indicate the ambient noise environment at this location is dominated by road traffic noise from Short Cut Road, Pacific Highway and bird noise during the daytime.

Recorded Noise Levels (L_{Amax}):

Local road traffic: 42-55 dBA; Pacific Hwy road traffic: 42-50 dBA; Insects up to 44 dBA; Birds: 46-65 dBA; Tree (rustling) <40 dBA.



Ambient Noise Logging Results – INP Defined Time Periods	Photo of Noise Monitoring Location
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Monitoring Period	Noise Level (dBA)			
	RBL	LAeq	L10	L1
Daytime	36	49	50	56
Evening	38	46	47	51
Night-time	33	42	44	47



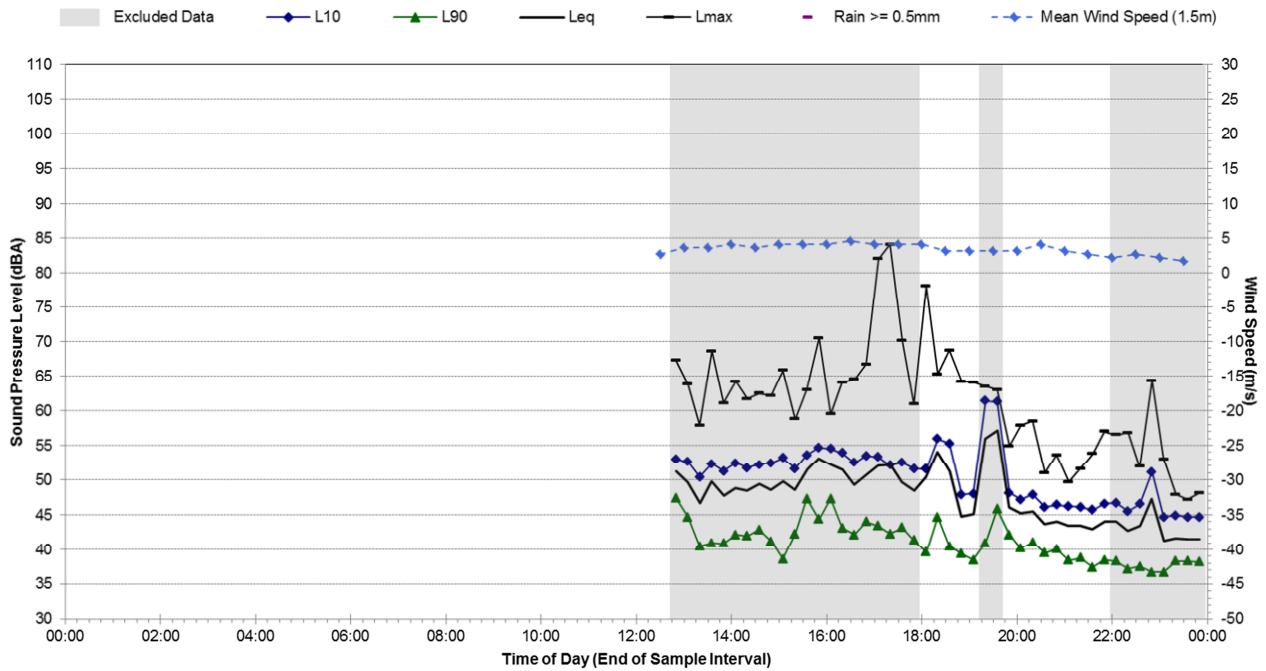
Monitoring Period	Noise Level (dBA)		
	Weekday LAeq(Period)	Weekend LAeq(Period)	Weekly LAeq(Period)
Number of Valid Days	8	2	N/A (7 Day Average)
Daytime (7am-10pm)	48	48	48
Night-time (10pm-7am)	42	42	42

Attended Noise Measurement Results

Date	Start Time	Measured Noise Level (dBA)		
		LA90	LAeq	L _{Amax}
26/03/2013	2:17 pm	42	47	65

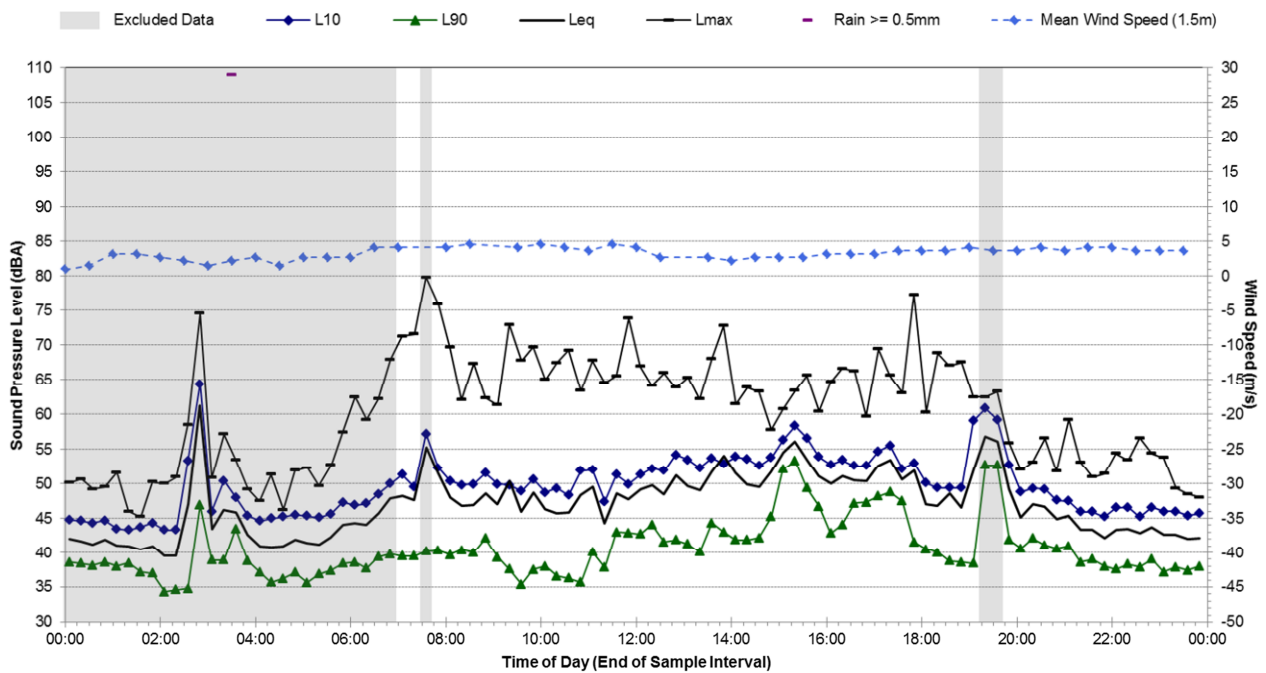
Statistical Ambient Noise Levels

NM15 - Monday, 11 March 2013



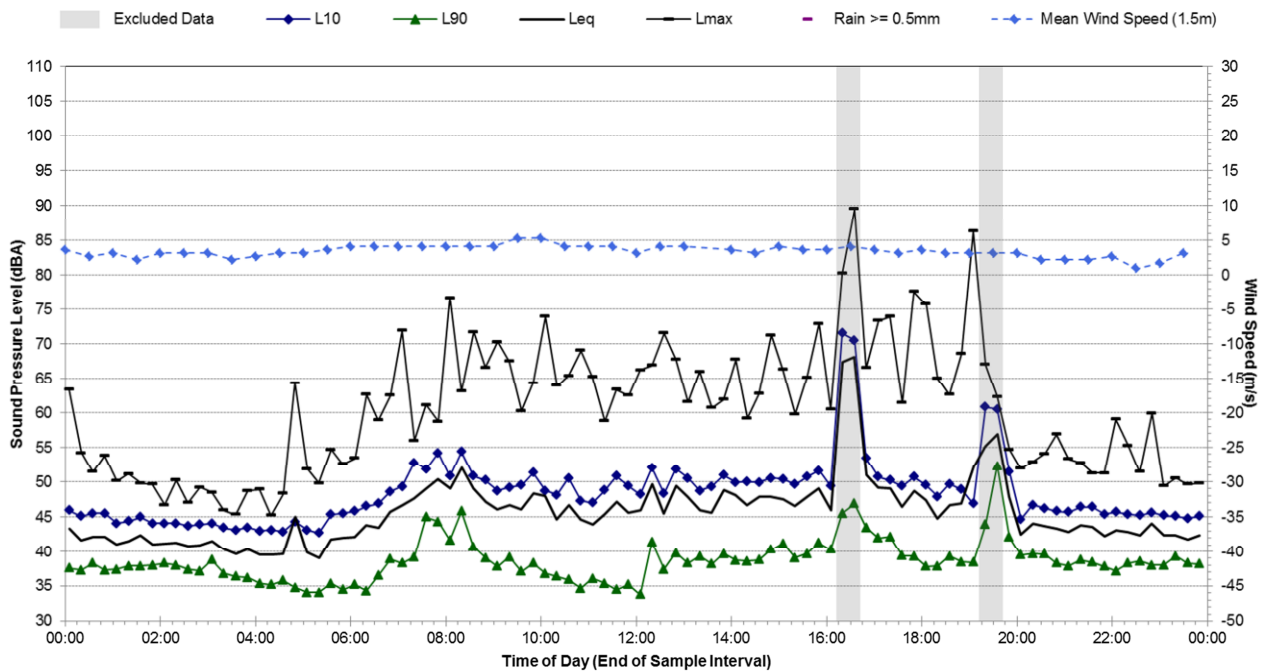
Statistical Ambient Noise Levels

NM15 - Tuesday, 12 March 2013



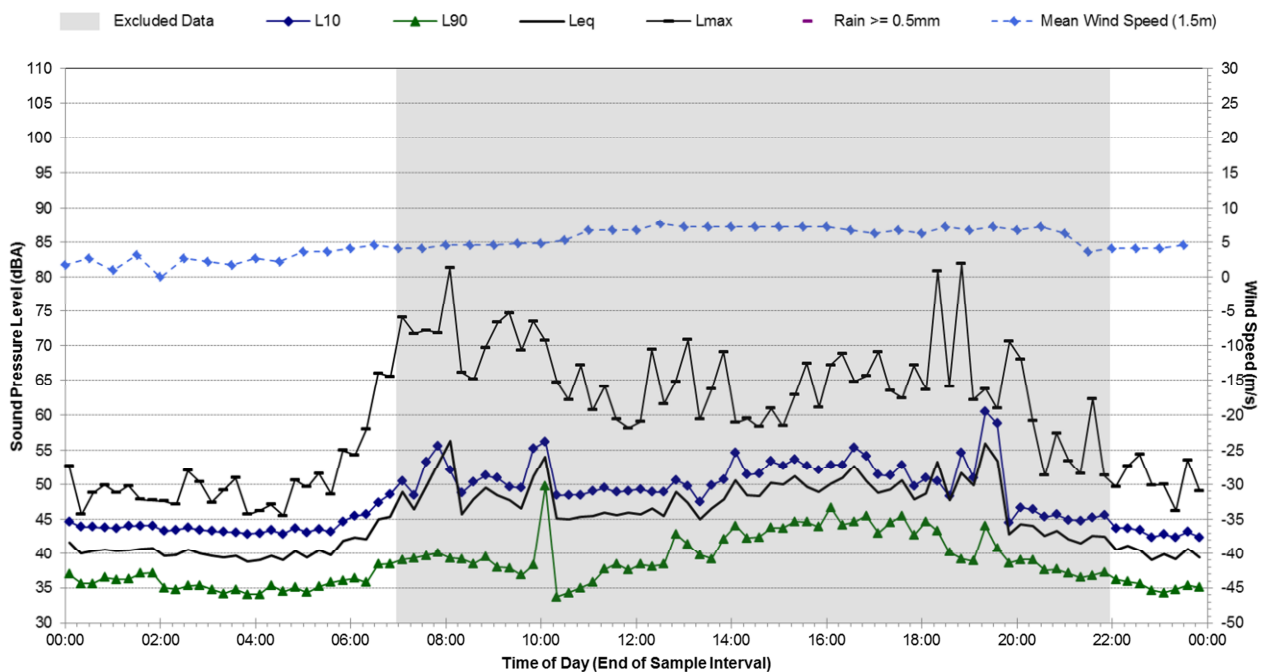
Statistical Ambient Noise Levels

NM15 - Wednesday, 13 March 2013



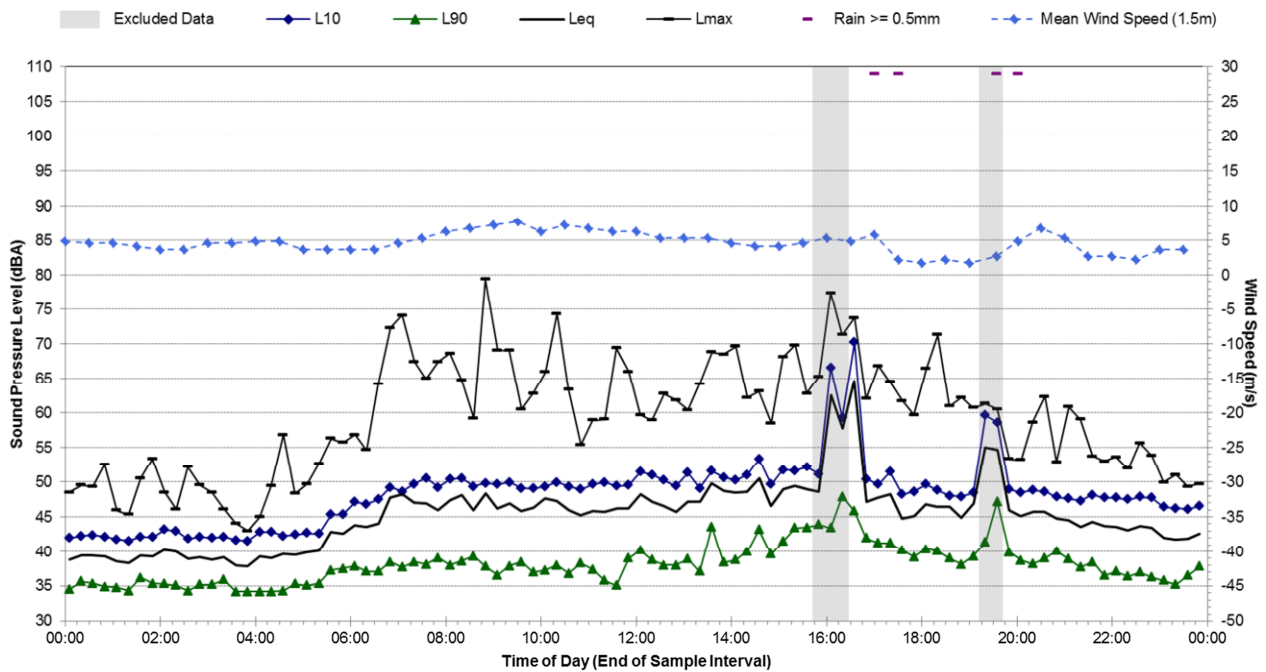
Statistical Ambient Noise Levels

NM15 - Thursday, 14 March 2013



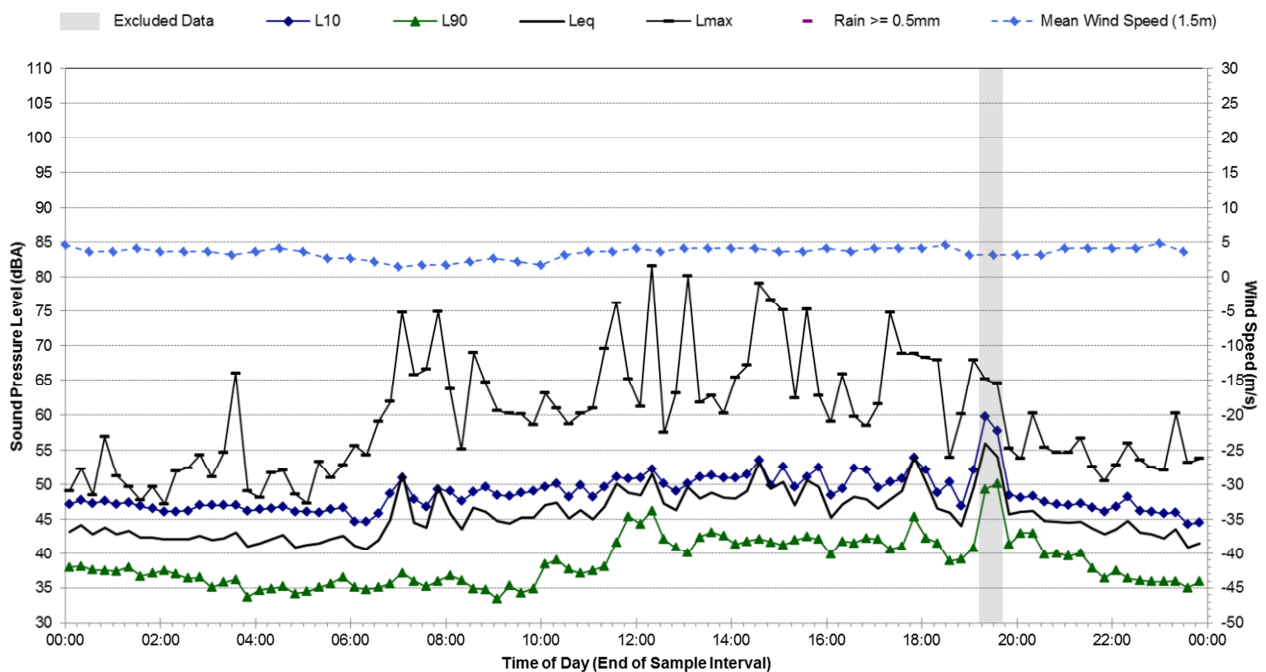
Statistical Ambient Noise Levels

NM15 - Friday, 15 March 2013



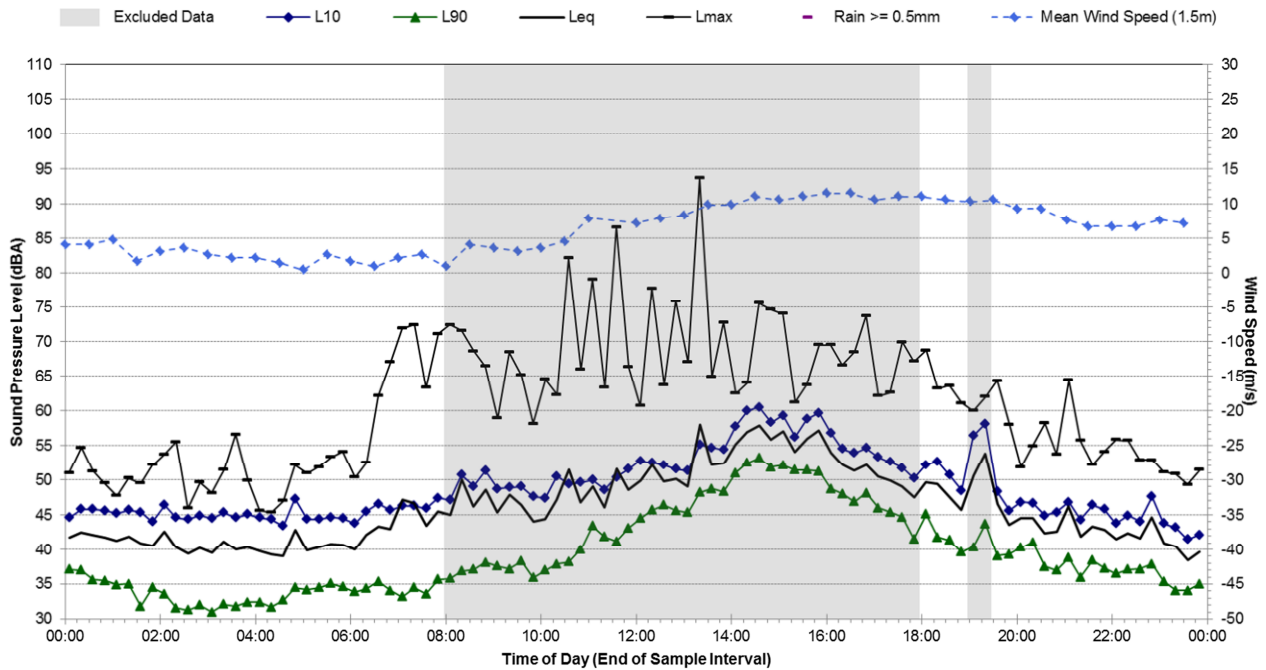
Statistical Ambient Noise Levels

NM15 - Saturday, 16 March 2013



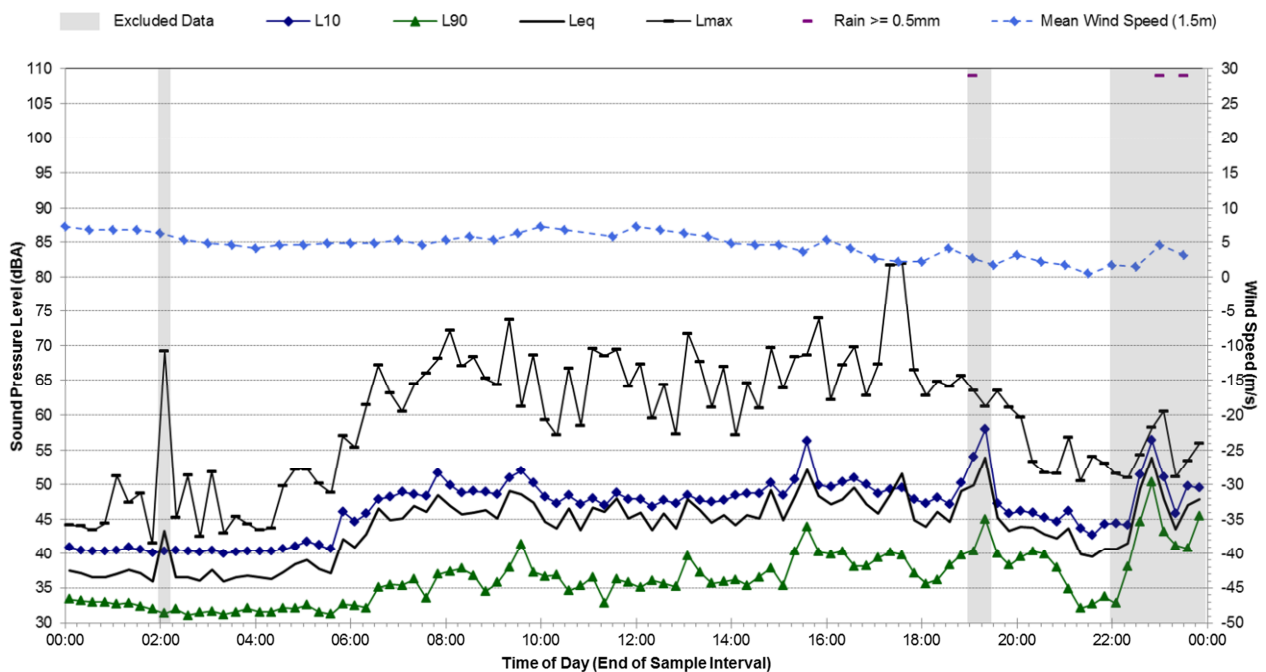
Statistical Ambient Noise Levels

NM15 - Sunday, 17 March 2013



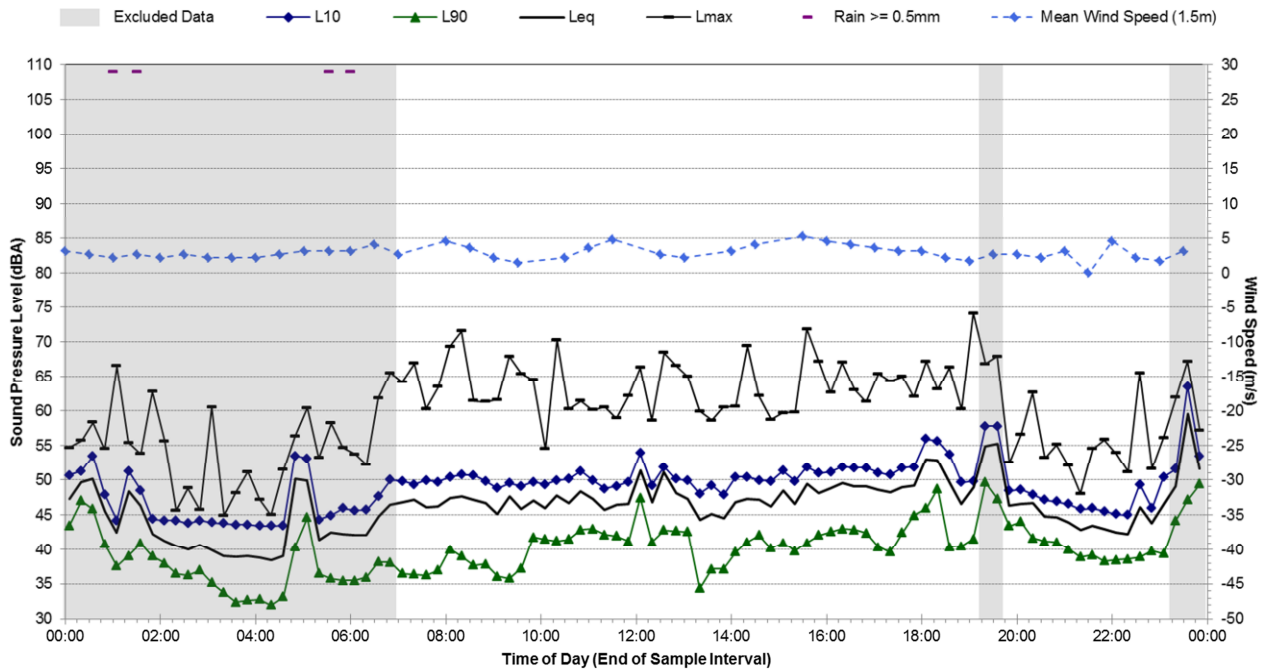
Statistical Ambient Noise Levels

NM15 - Monday, 18 March 2013



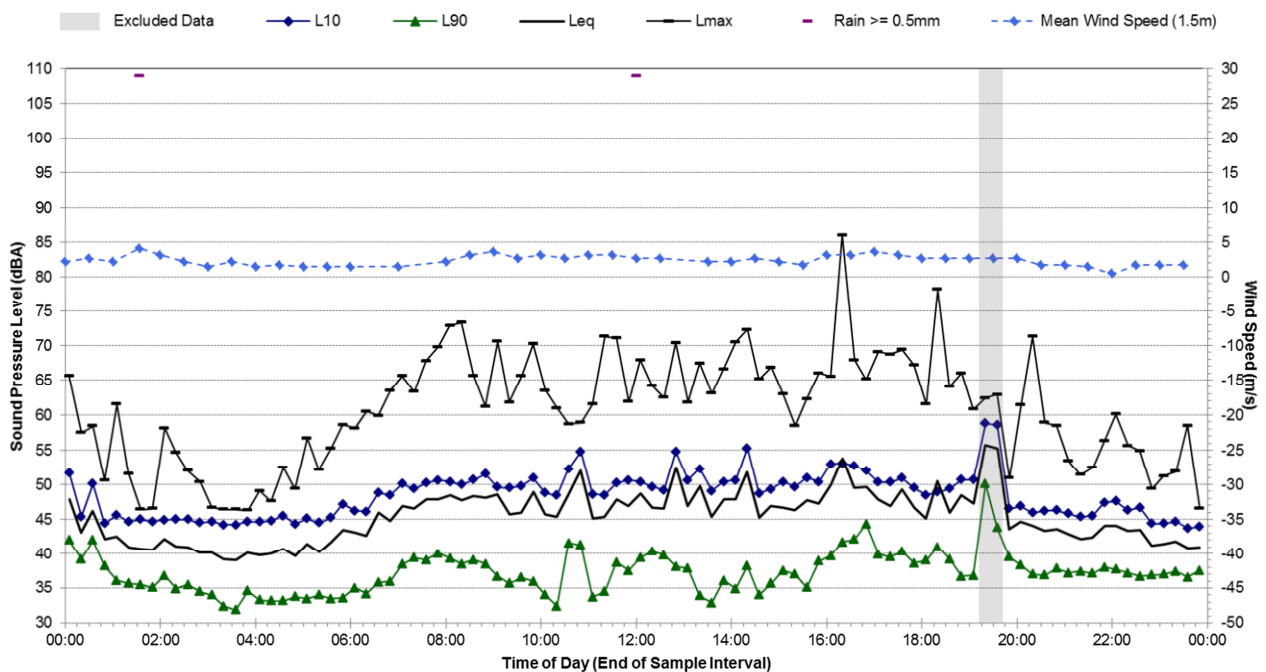
Statistical Ambient Noise Levels

NM15 - Tuesday, 19 March 2013



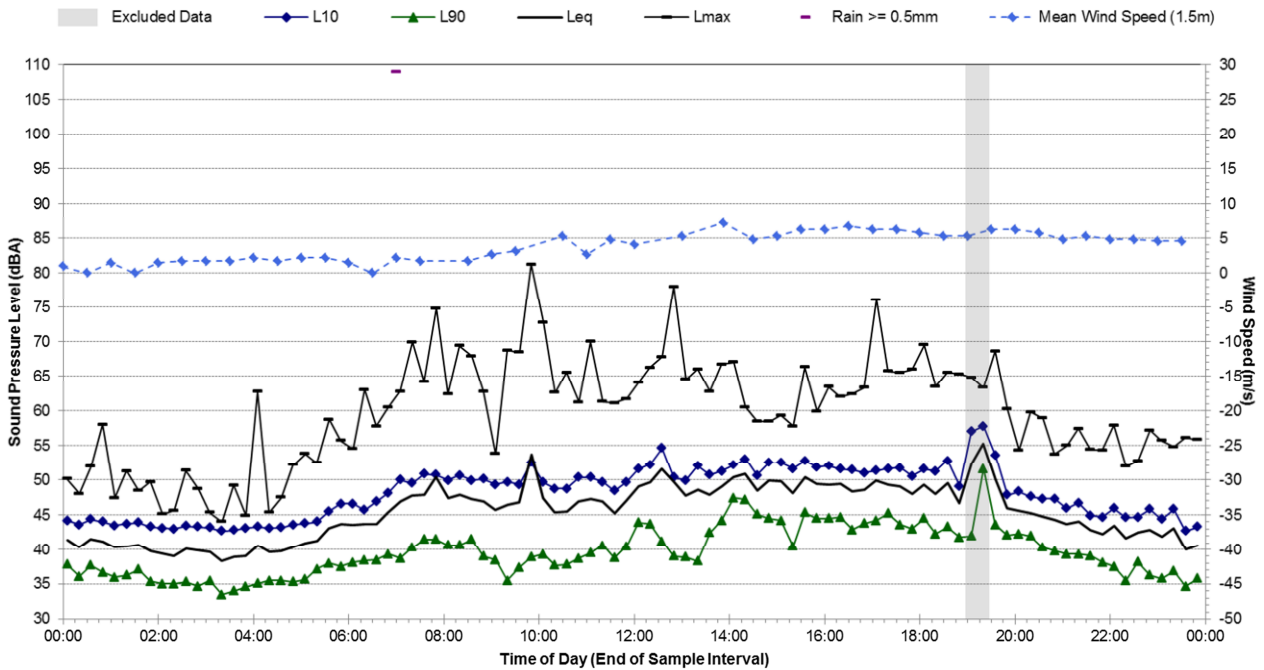
Statistical Ambient Noise Levels

NM15 - Wednesday, 20 March 2013



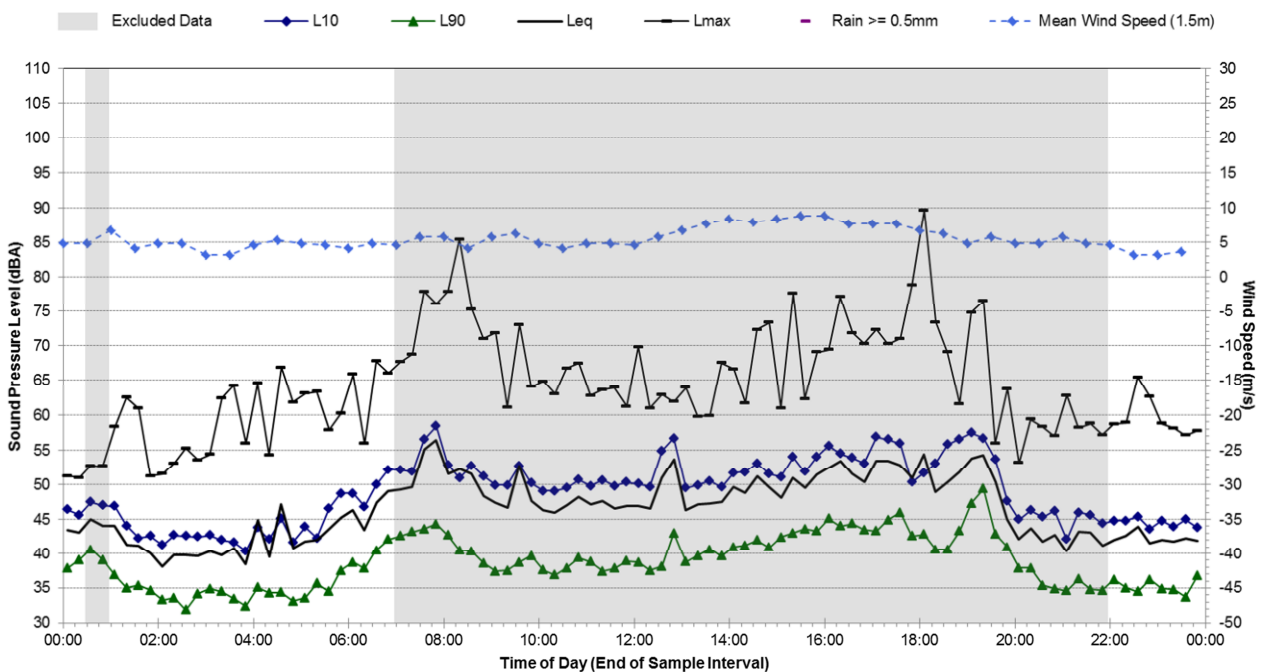
Statistical Ambient Noise Levels

NM15 - Thursday, 21 March 2013



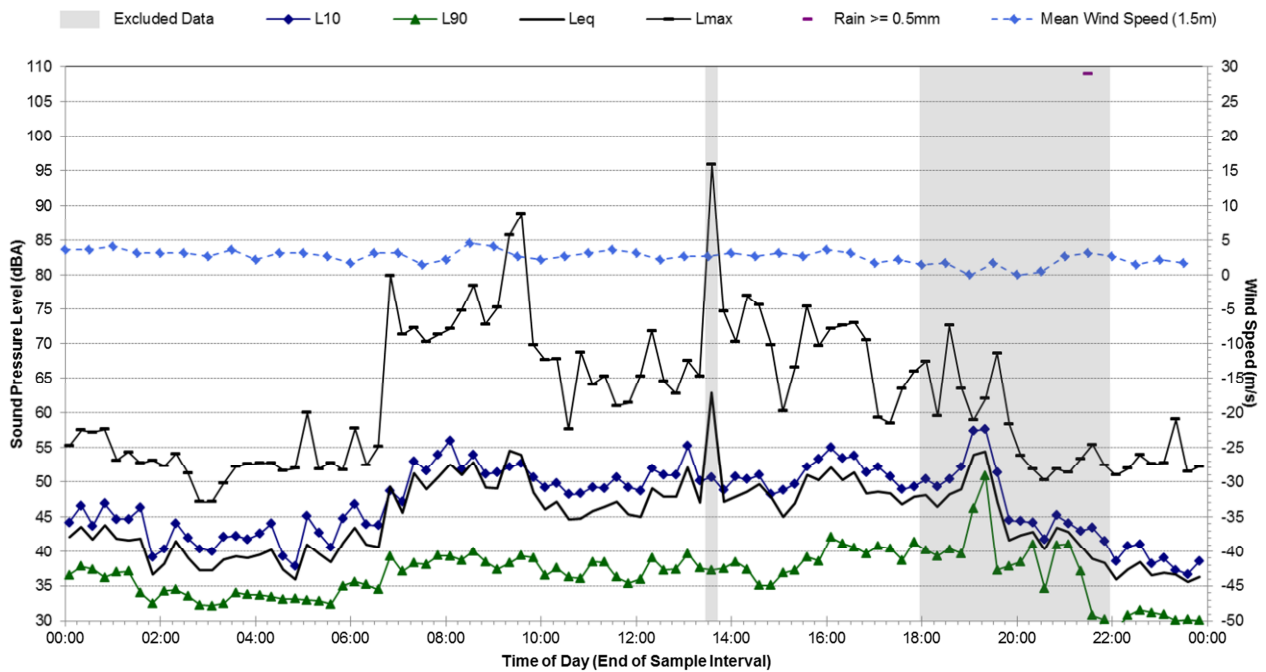
Statistical Ambient Noise Levels

NM15 - Friday, 22 March 2013



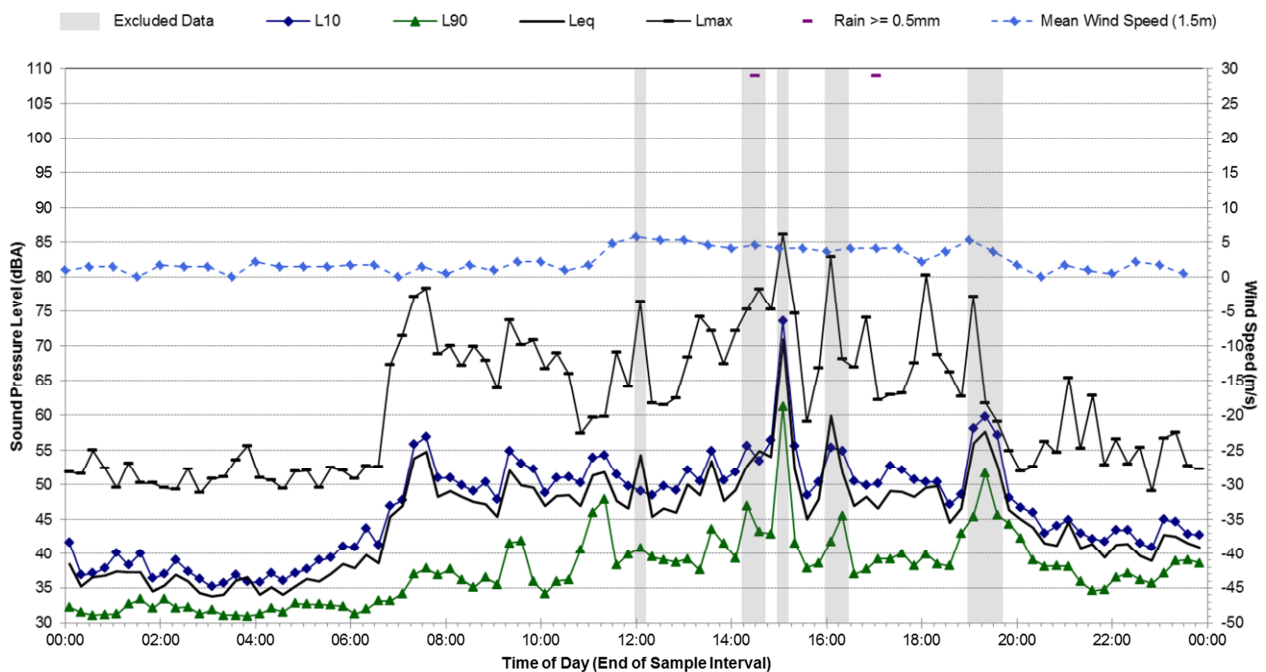
Statistical Ambient Noise Levels

NM15 - Saturday, 23 March 2013



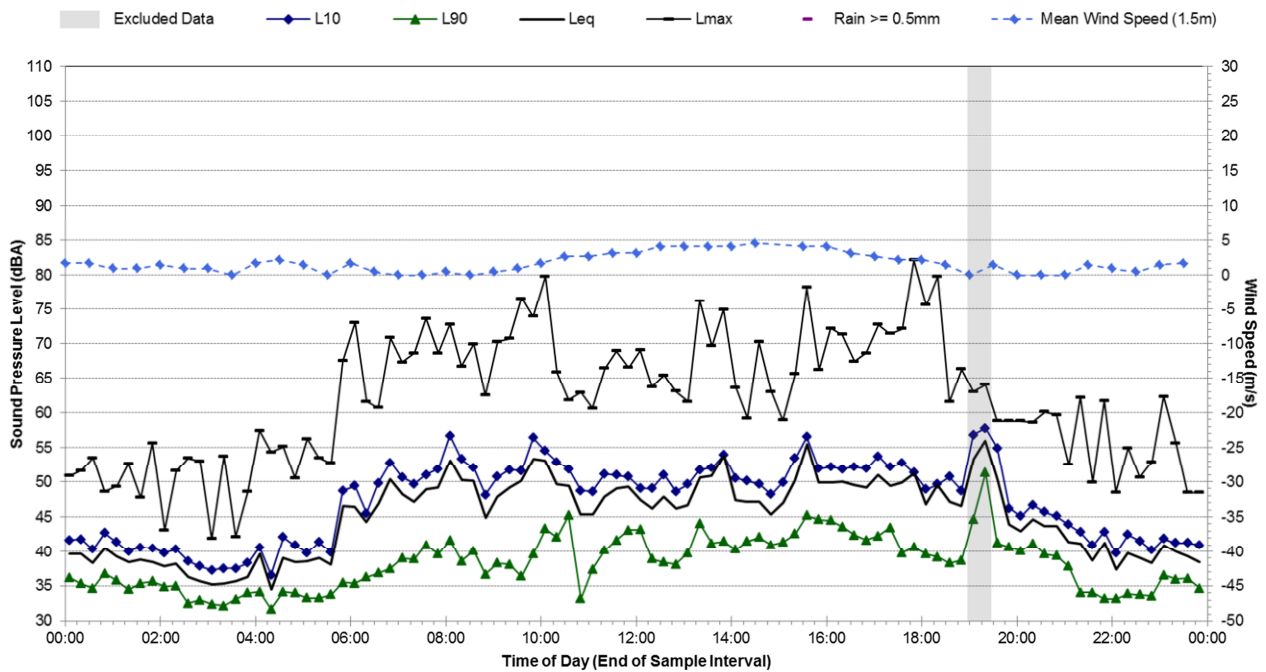
Statistical Ambient Noise Levels

NM15 - Sunday, 24 March 2013



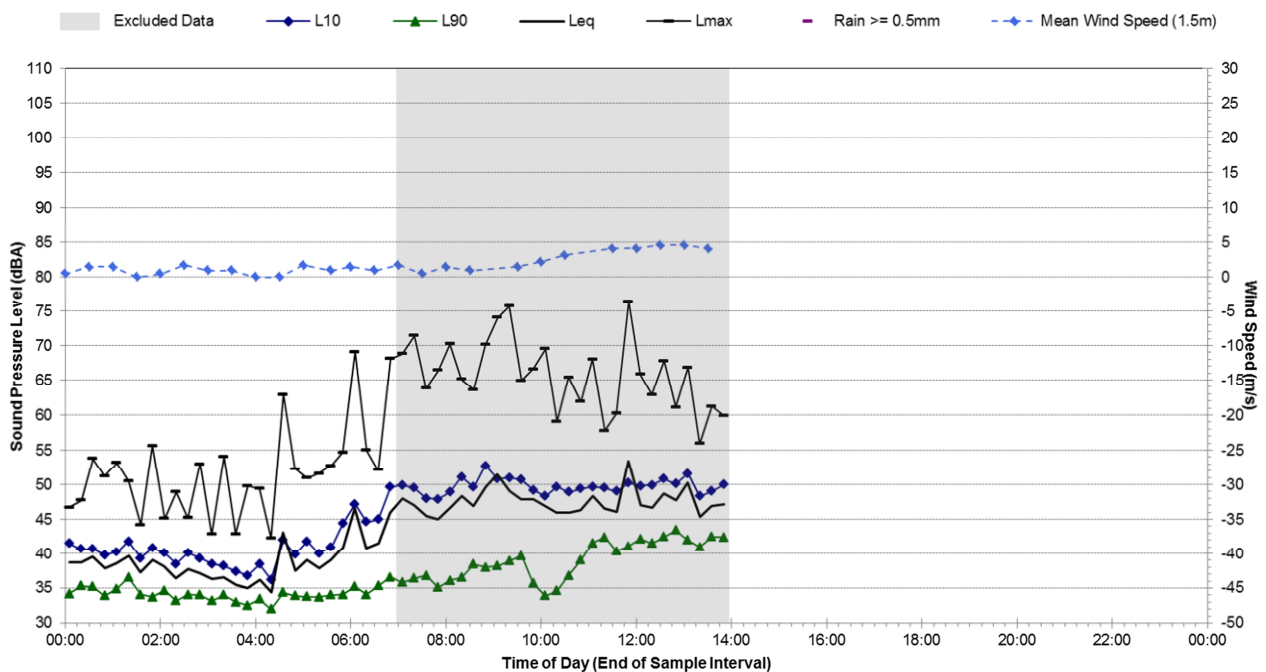
Statistical Ambient Noise Levels

NM15 - Monday, 25 March 2013



Statistical Ambient Noise Levels

NM15 - Tuesday, 26 March 2013



Ambient Noise Monitoring Results

Noise Monitoring Location: NM16	Map of Noise Monitoring Location
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Noise Monitoring Address: 63 Waterfall Way, Raleigh

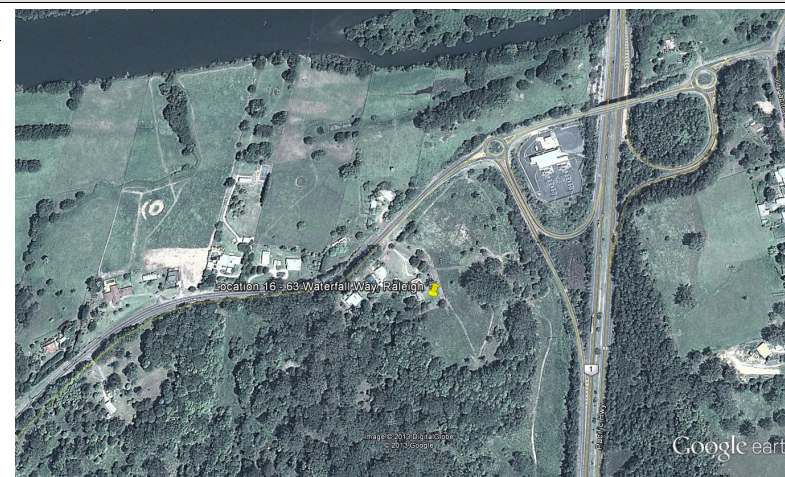
Logger Device Type: Svantek 957
 Logger Serial No: 27568

Ambient noise logger deployed within the residential property address 63 Waterfall Way, Raleigh. Logger located on south-eastern side of the property.

Attended noise measurements indicate the ambient noise environment at this location is dominated by road traffic noise from Pacific Highway, insects and birds noise during the daytime. Occasional tyre-pavement noise from vehicle traffic on Waterfall Way can be heard at this location.

Recorded Noise Levels (LAmax):

Insects: 30-55 dBA; Pacific Hwy road traffic noise: 50-58 dBA; Local roads road traffic noise: 54-57 dBA; Birds: 32-35 dBA; Dogs: 40-42 dBA; Reverse alarm audible.



Ambient Noise Logging Results – INP Defined Time Periods	Photo of Noise Monitoring Location
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Monitoring Period	Noise Level (dBA)			
	RBL	LAeq	L10	L1
Daytime	44	52	54	57
Evening	41	52	55	58
Night-time	35	49	53	57

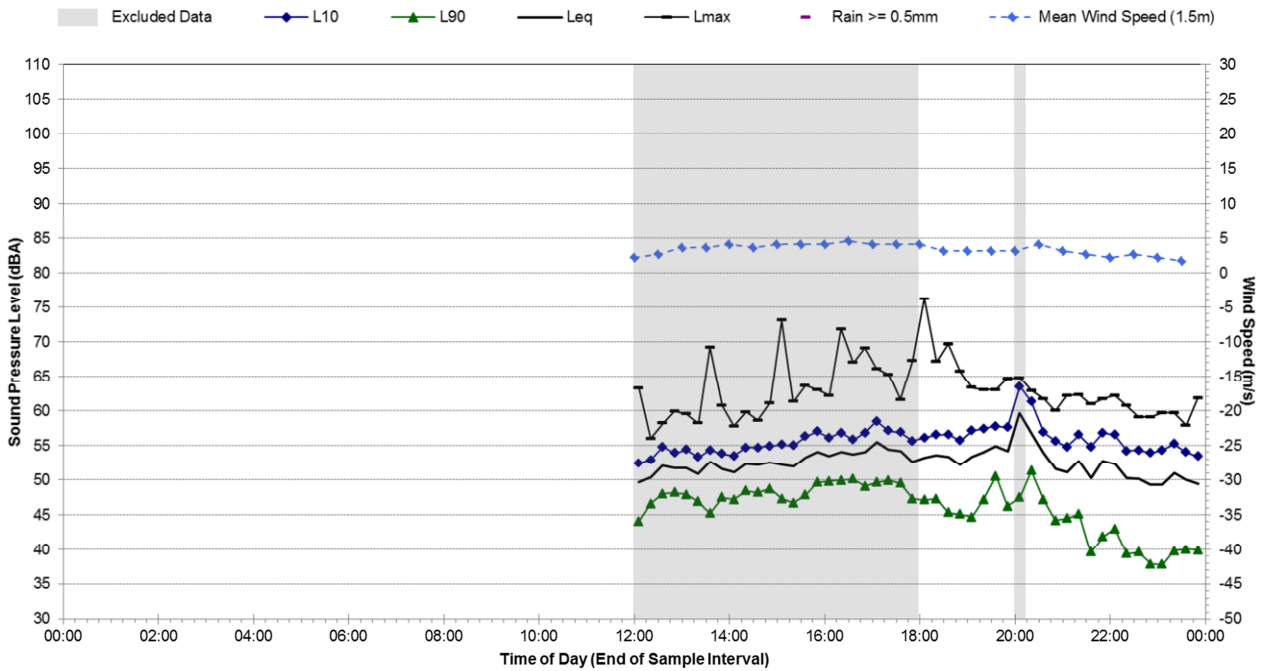


Monitoring Period	Noise Level (dBA)		
	Weekday LAeq(Period)	Weekend LAeq(Period)	Weekly LAeq(Period)
Number of Valid Days	6	3	N/A (7 Day Average)
Daytime (7am-10pm)	52	51	52
Night-time (10pm-7am)	50	45	49

Attended Noise Measurement Results				
Date	Start Time	Measured Noise Level (dBA)		
		LA90	LAeq	LAmax
11/03/2013	11:25 am	42	48	58

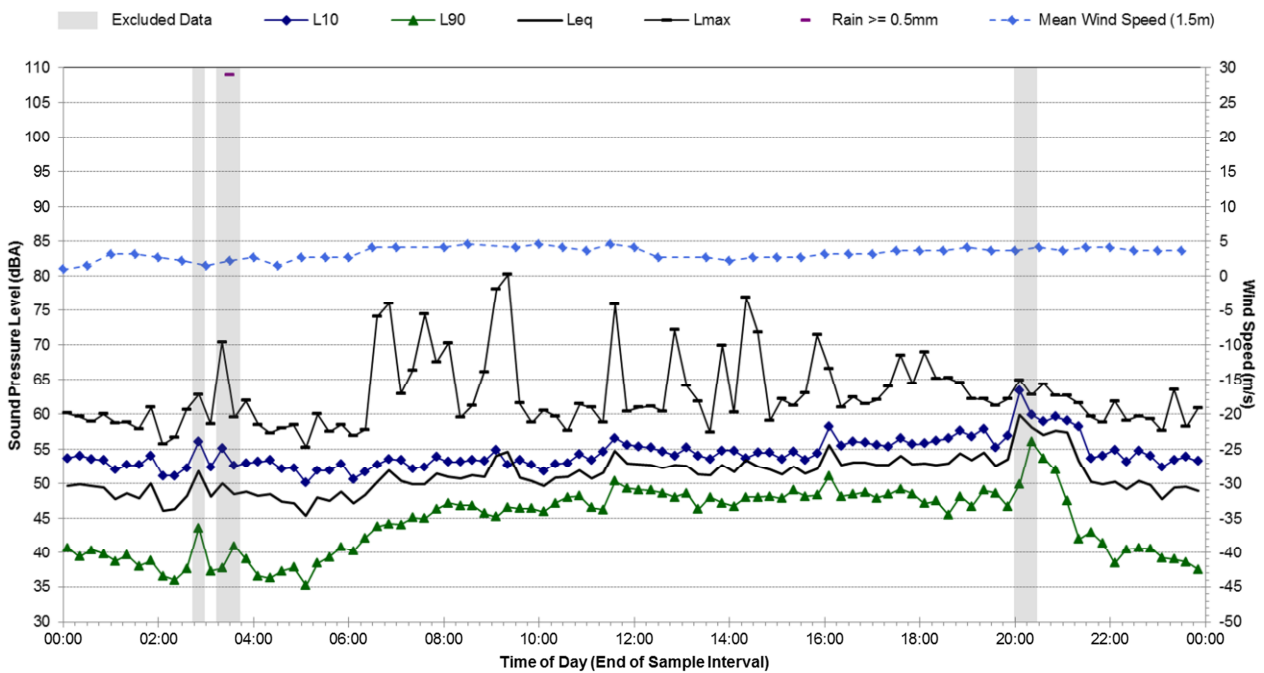
Statistical Ambient Noise Levels

NM16 - Monday, 11 March 2013



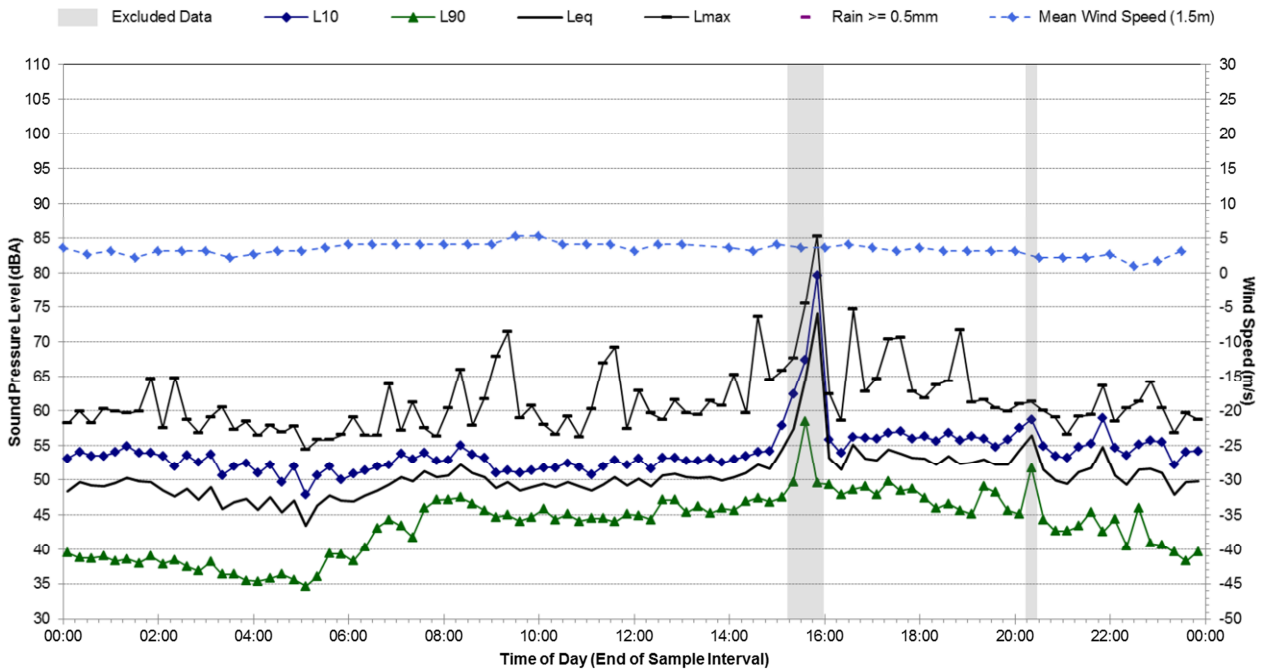
Statistical Ambient Noise Levels

NM16 - Tuesday, 12 March 2013



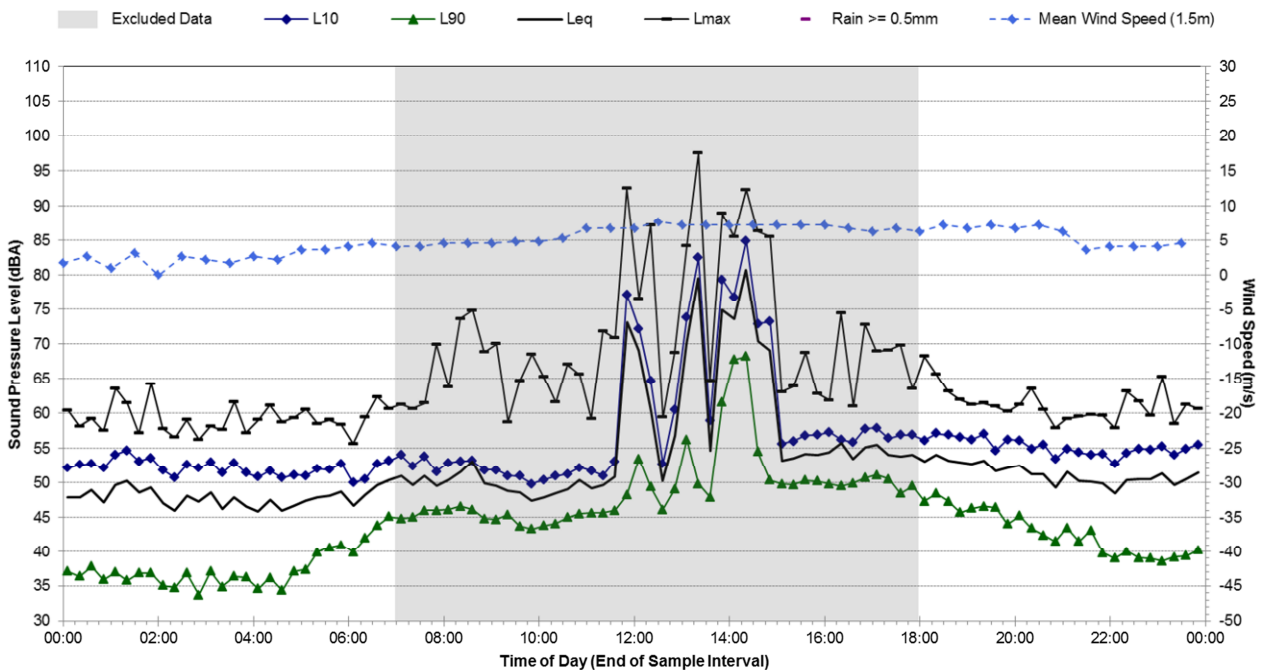
Statistical Ambient Noise Levels

NM16 - Wednesday, 13 March 2013



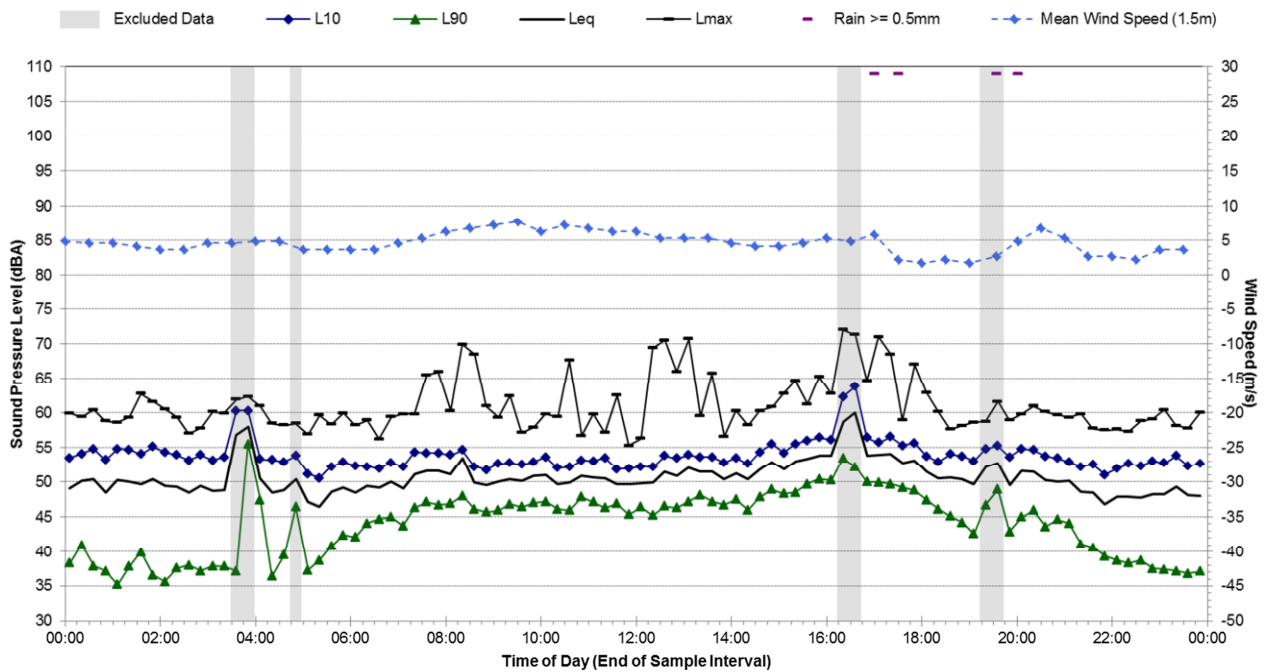
Statistical Ambient Noise Levels

NM16 - Thursday, 14 March 2013



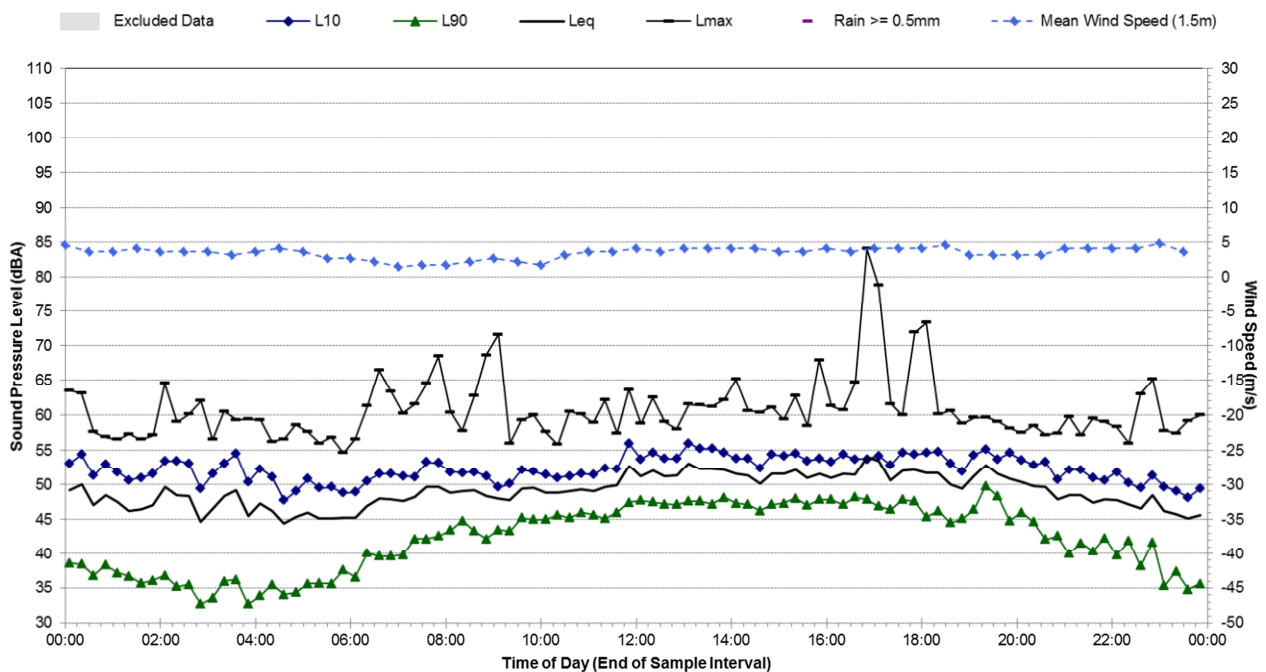
Statistical Ambient Noise Levels

NM16 - Friday, 15 March 2013



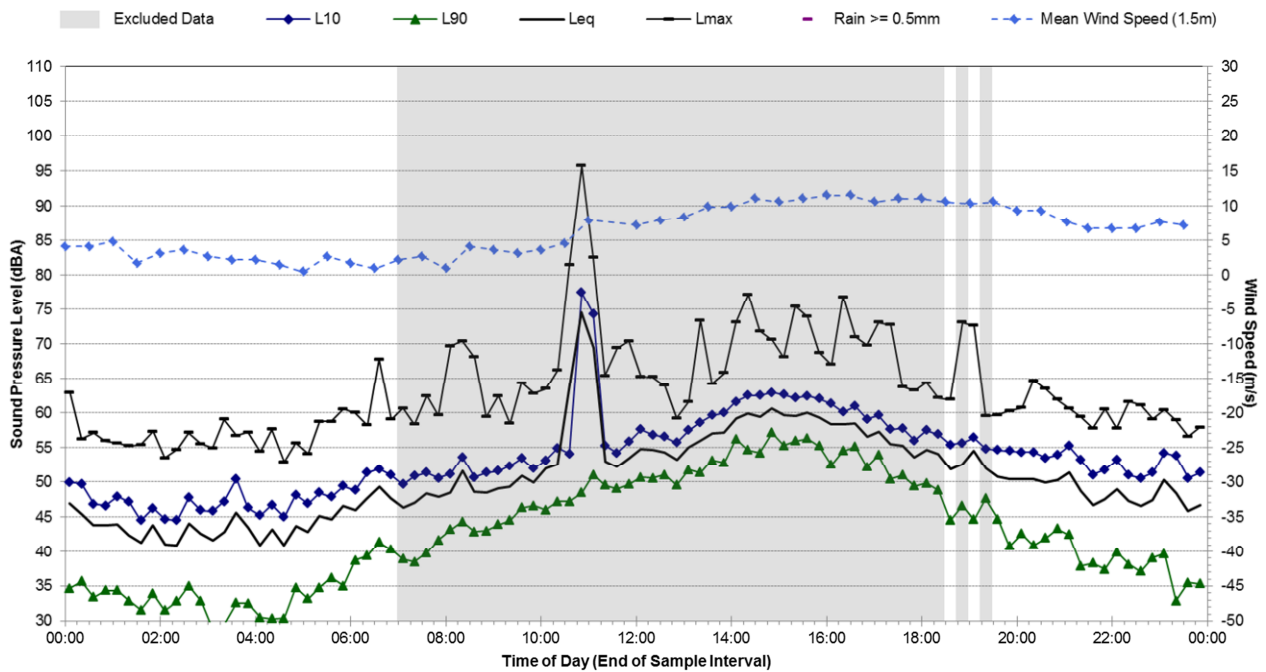
Statistical Ambient Noise Levels

NM16 - Saturday, 16 March 2013



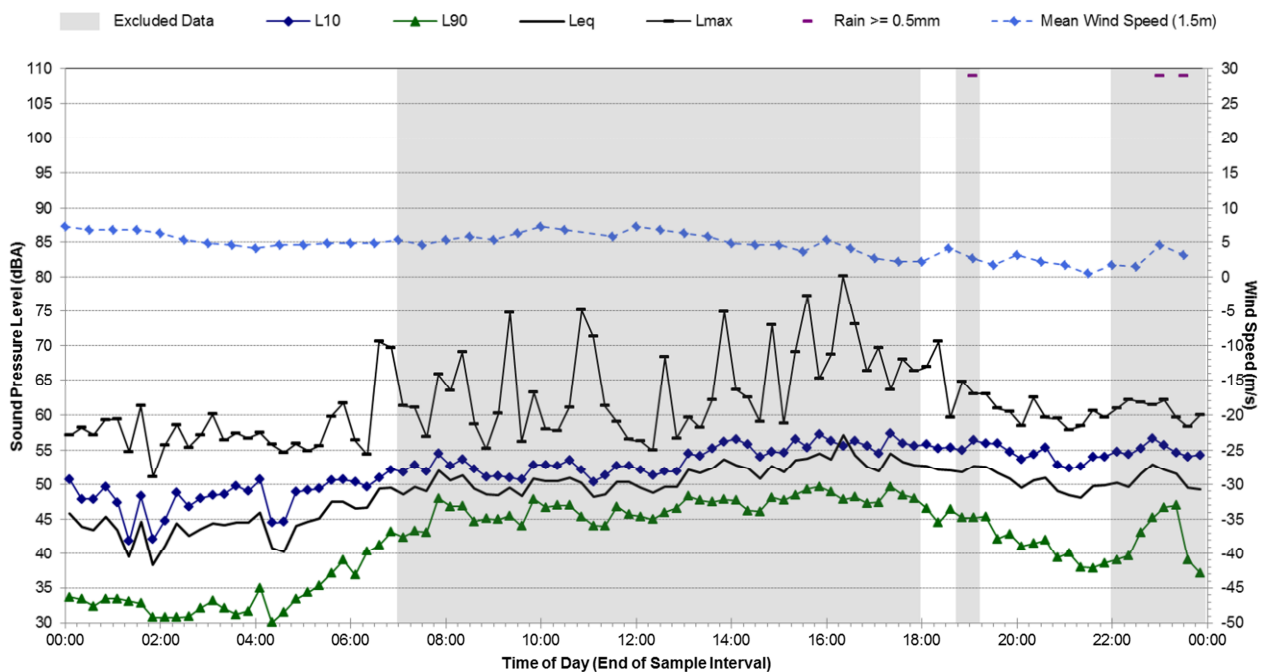
Statistical Ambient Noise Levels

NM16 - Sunday, 17 March 2013



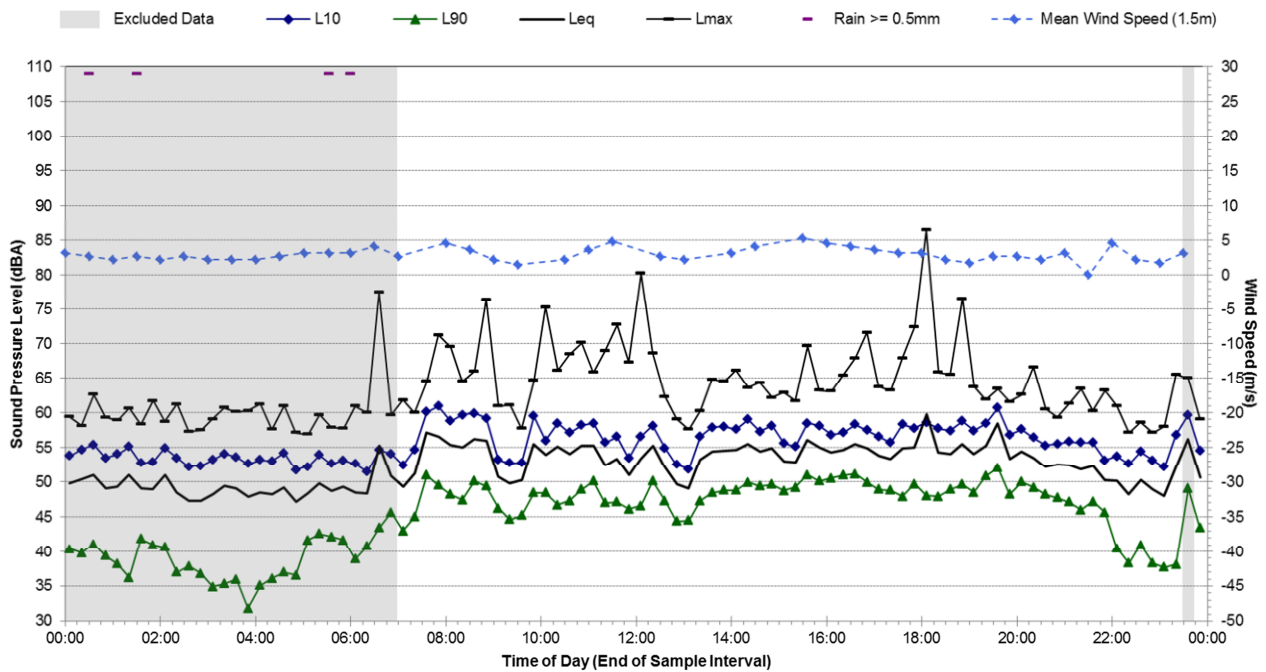
Statistical Ambient Noise Levels

NM16 - Monday, 18 March 2013



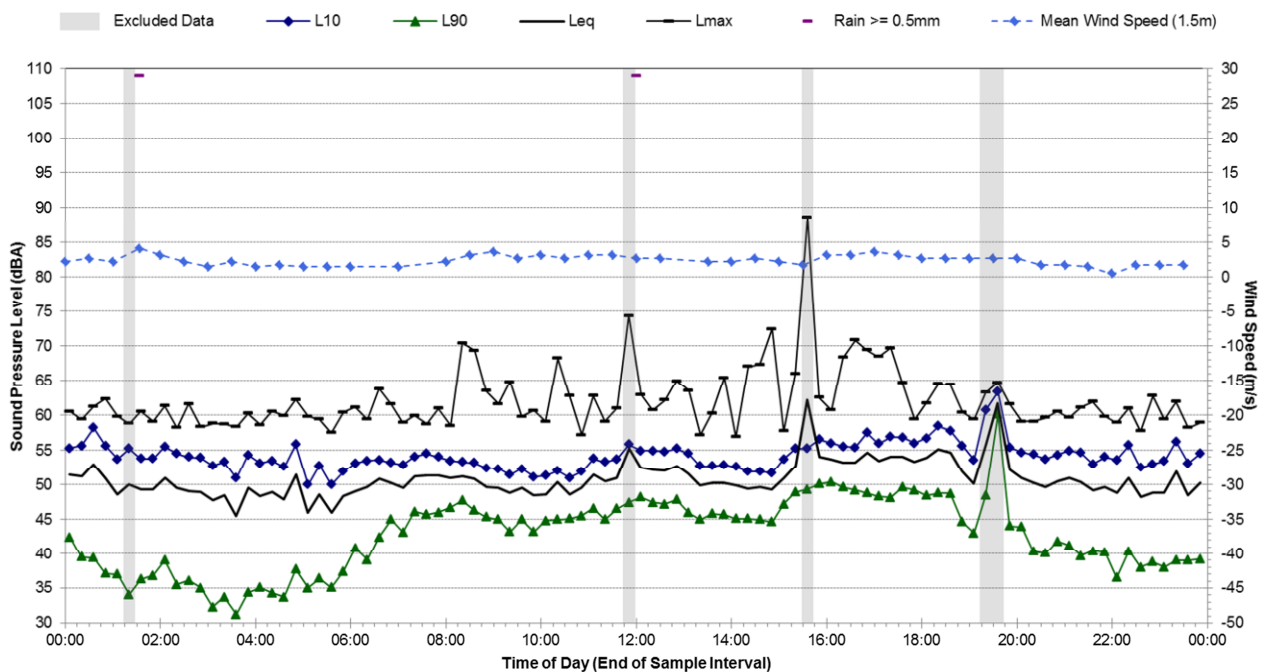
Statistical Ambient Noise Levels

NM16 - Tuesday, 19 March 2013



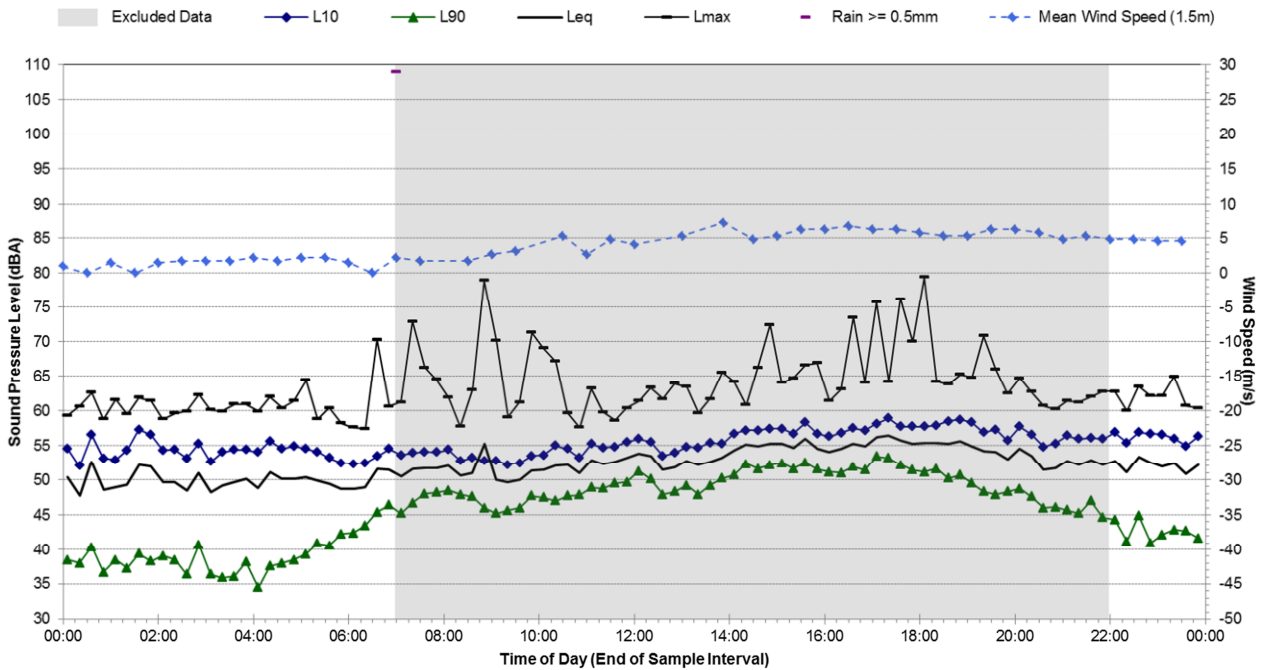
Statistical Ambient Noise Levels

NM16 - Wednesday, 20 March 2013



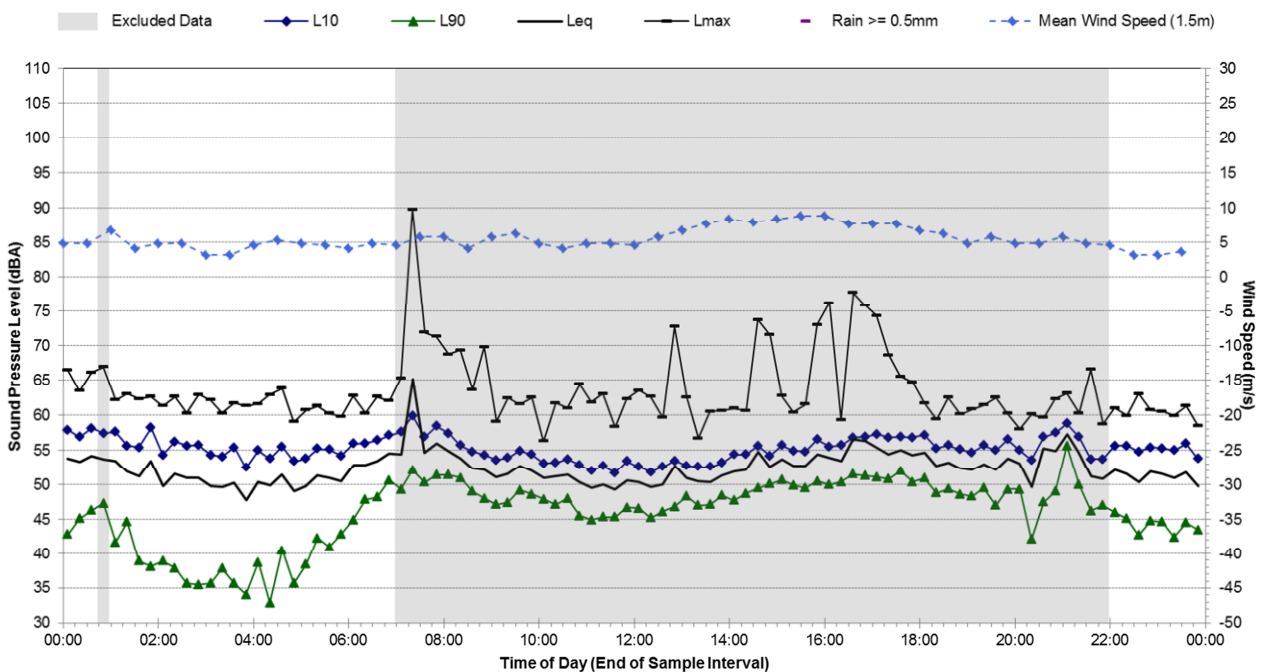
Statistical Ambient Noise Levels

NM16 - Thursday, 21 March 2013



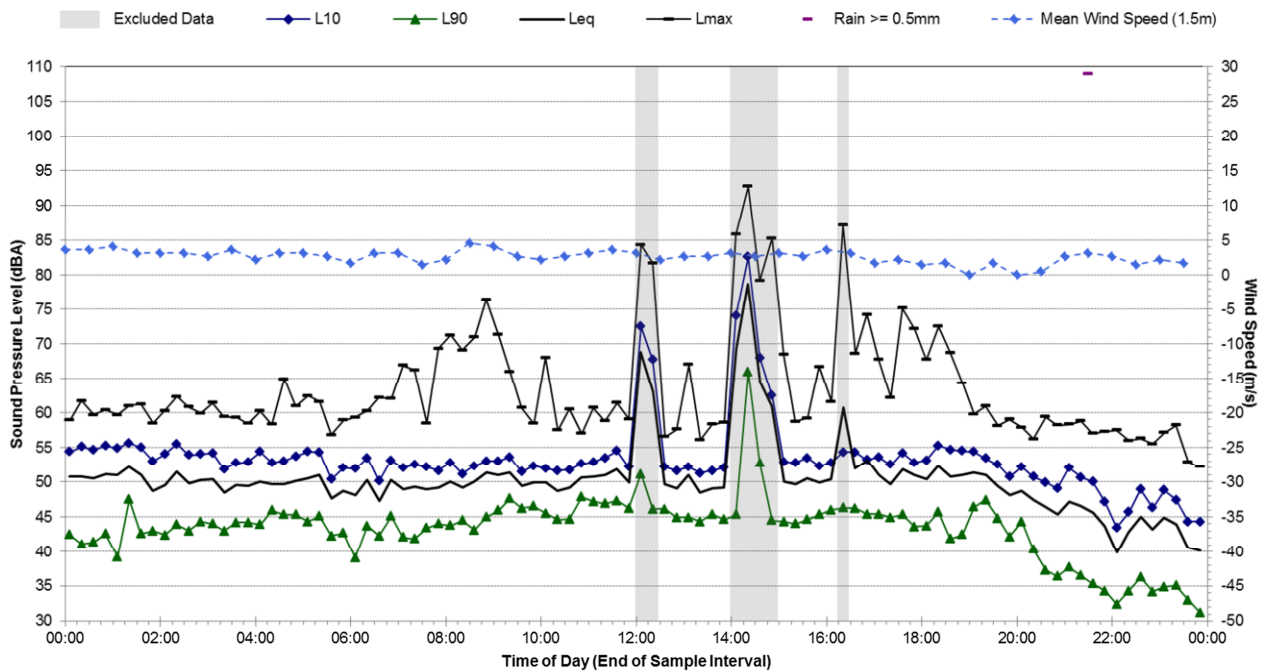
Statistical Ambient Noise Levels

NM16 - Friday, 22 March 2013



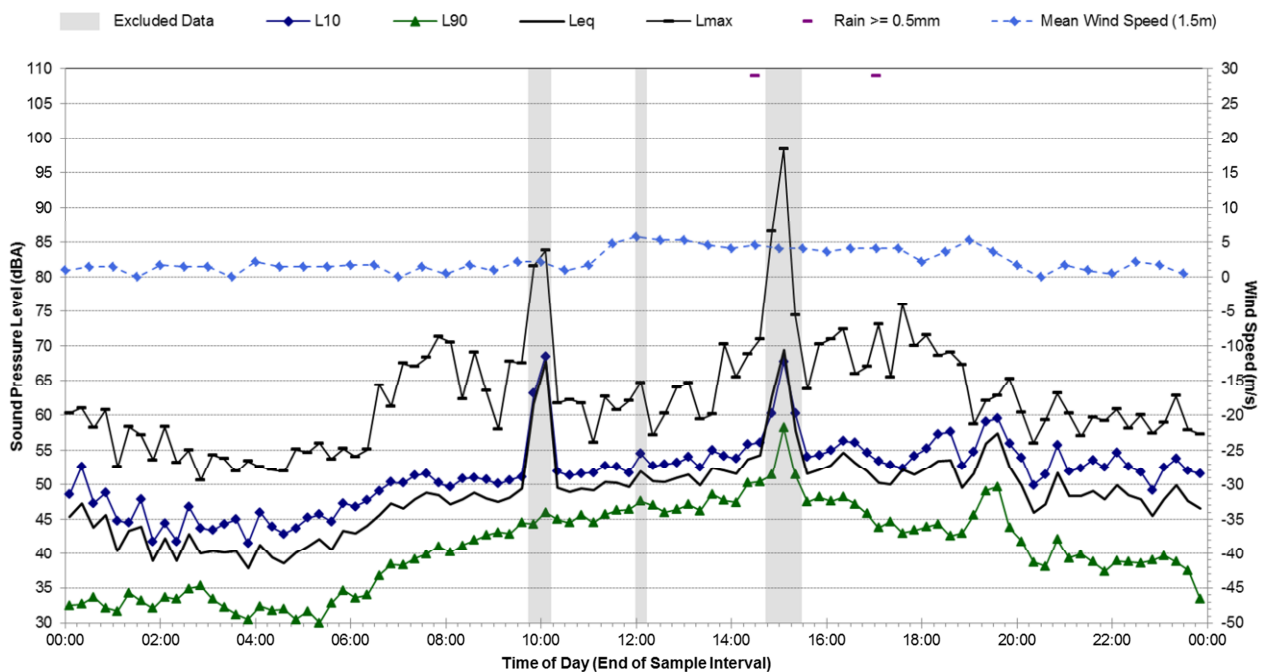
Statistical Ambient Noise Levels

NM16 - Saturday, 23 March 2013



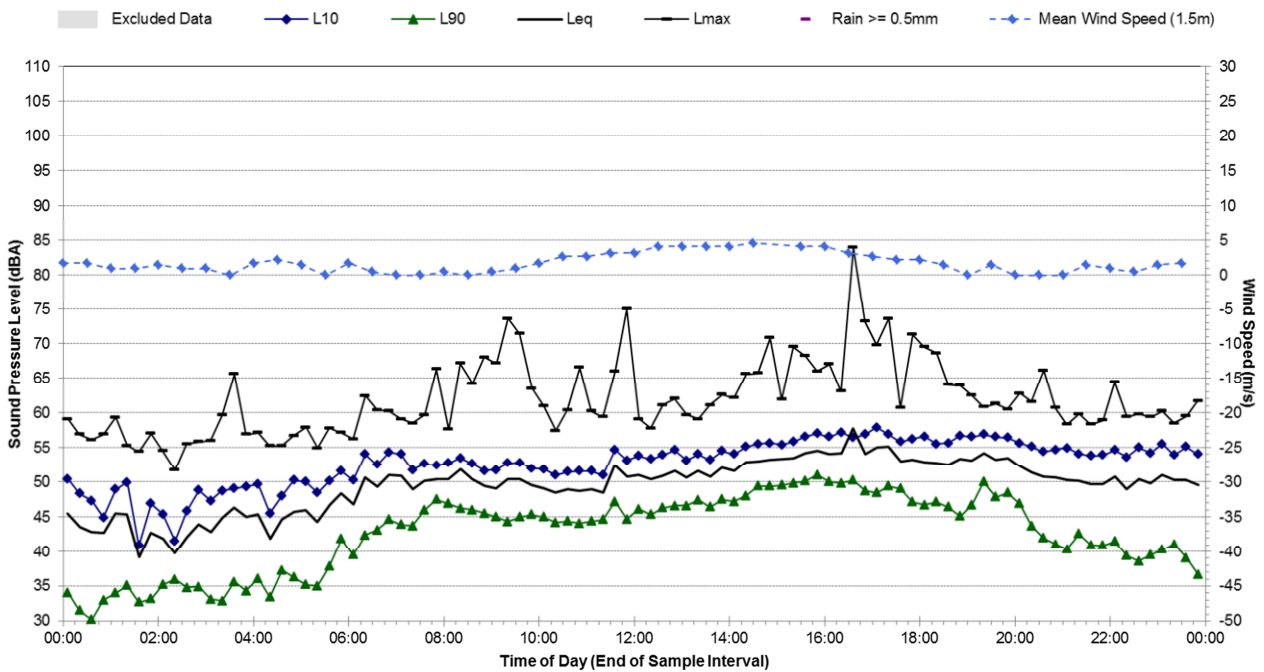
Statistical Ambient Noise Levels

NM16 - Sunday, 24 March 2013



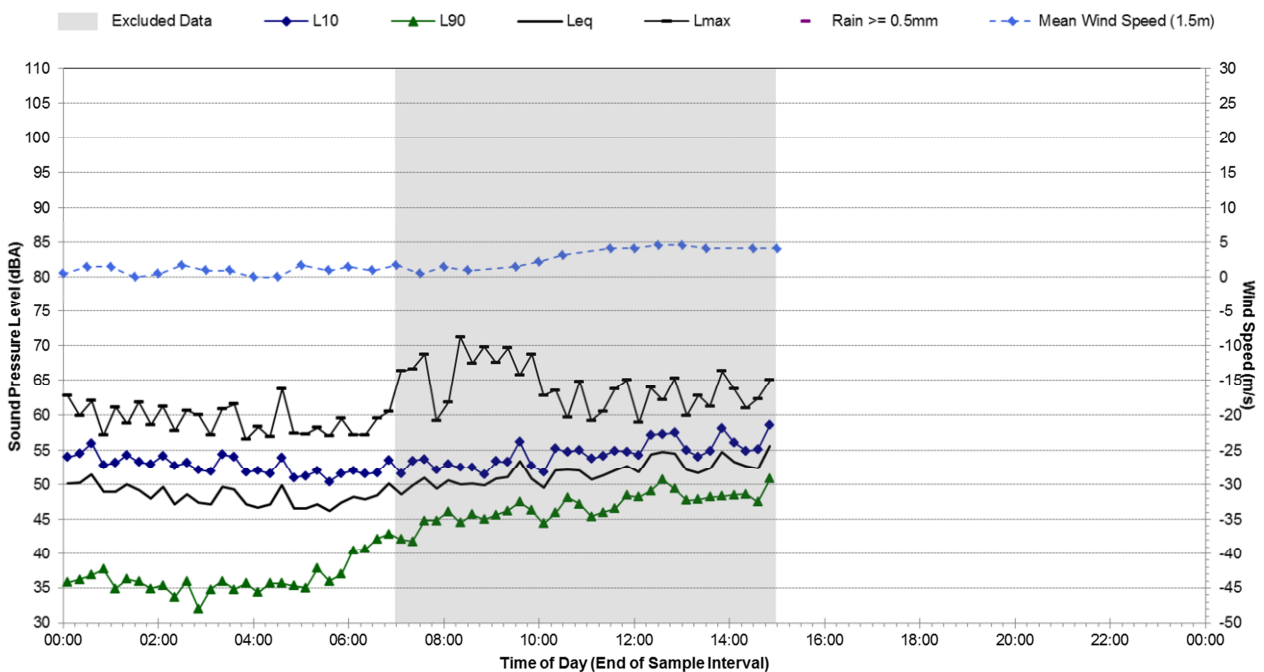
Statistical Ambient Noise Levels

NM16 - Monday, 25 March 2013



Statistical Ambient Noise Levels

NM16 - Tuesday, 26 March 2013



Ambient Noise Monitoring Results

Noise Monitoring Location: NM17	Map of Noise Monitoring Location
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Noise Monitoring Address: 100 Old Pacific Highway, Raleigh

Logger Device Type: Svantek 957

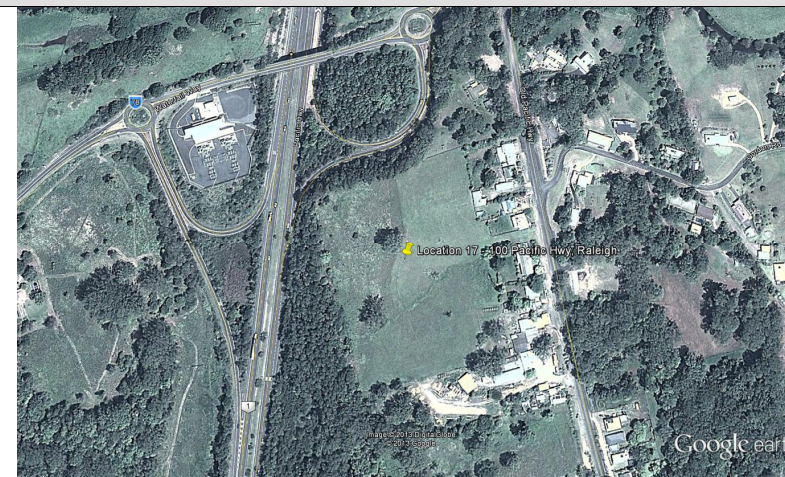
Logger Serial No: 28048

Ambient noise logger deployed within the residential property address 100 Old Pacific Highway, Raleigh. Logger located on western boundary of the property.

Attended noise measurements indicate the ambient noise environment at this location is dominated by road traffic noise from Pacific Highway, insects and birds noise during the daytime. Tyre-pavement noise from vehicle traffic on local roads and discrete traffic noise level peaks from heavy vehicle movements can be heard at this location.

Recorded Noise Levels (L_{Amax}):

Pacific Hwy road traffic noise: 50-62 dBA; Insects (approximate): 32-35 dBA; Birds: 40-42 dBA; Animal noise (horses) audible.



Ambient Noise Logging Results – INP Defined Time Periods	Photo of Noise Monitoring Location
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Monitoring Period	Noise Level (dBA)			
	RBL	LAeq	L10	L1
Daytime	47	54	56	59
Evening	45	57	58	61
Night-time	38	53	57	61

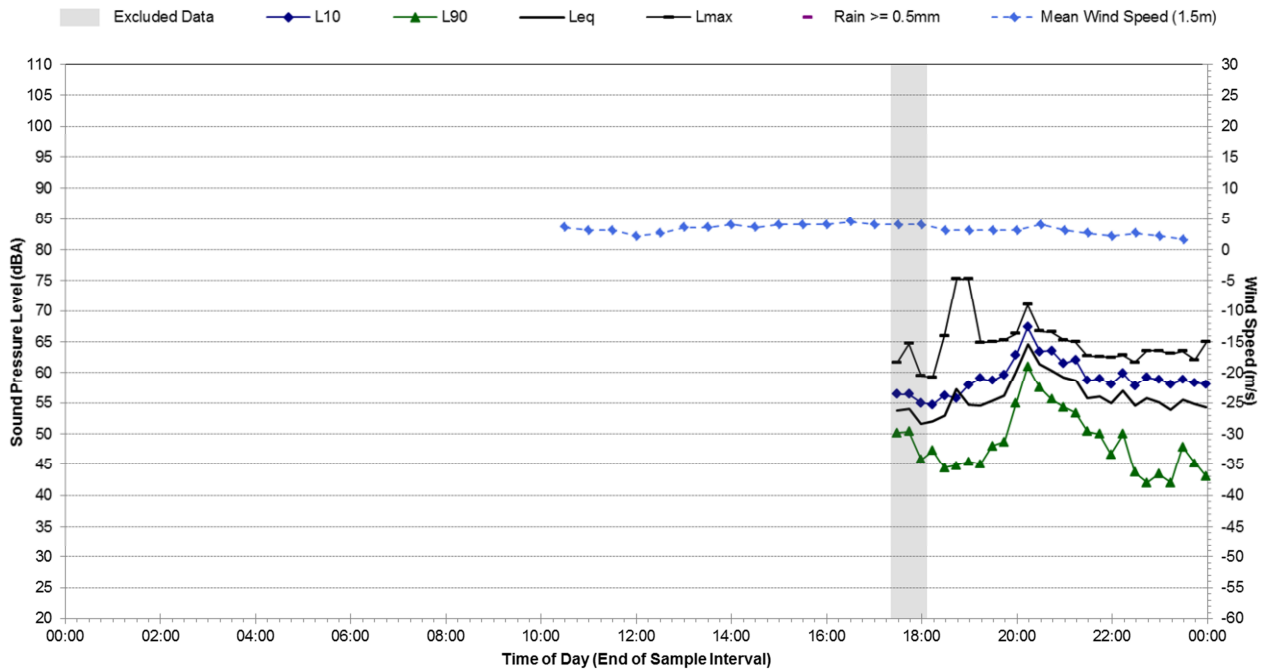


Monitoring Period	Noise Level (dBA)		
	Weekday LAeq(Period)	Weekend LAeq(Period)	Weekly LAeq(Period)
Number of Valid Days	8	2	N/A (7 Day Average)
Daytime (7am-10pm)	55	54	55
Night-time (10pm-7am)	53	49	52

Attended Noise Measurement Results				
Date	Start Time	Measured Noise Level (dBA)		
		LA90	LAeq	L _{Amax}
11/03/2013	10:43 am	47	51	62

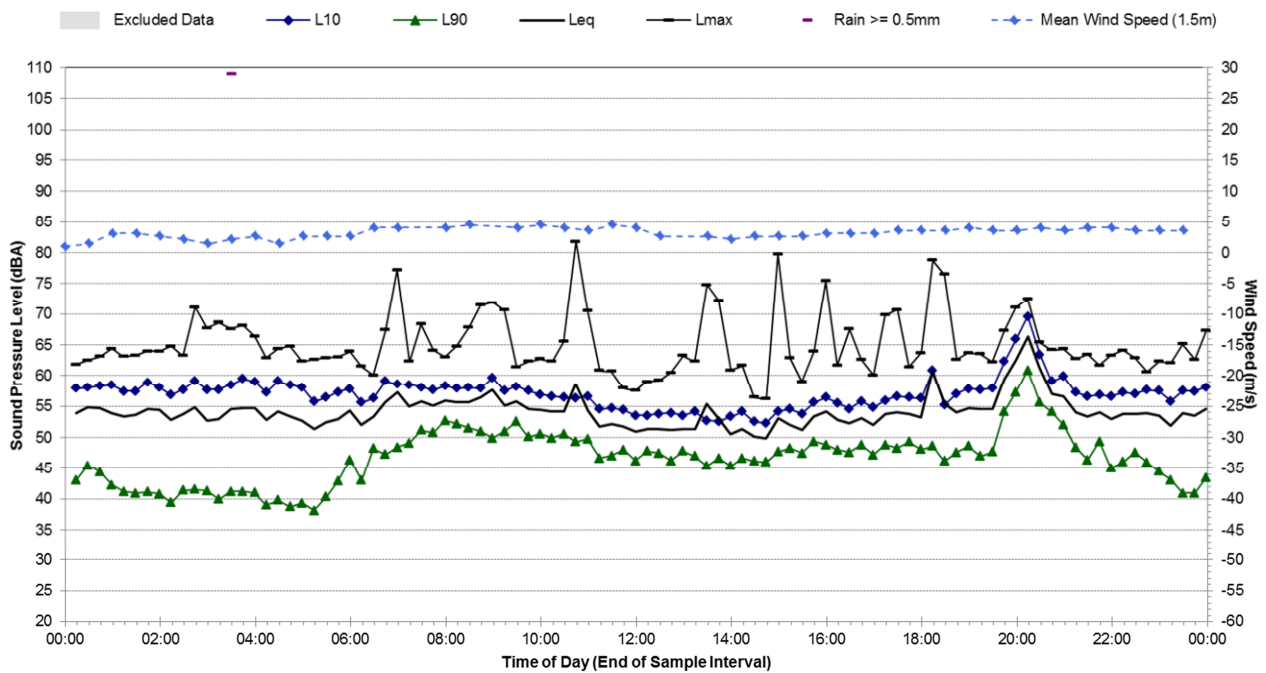
Statistical Ambient Noise Levels

NM17 - Monday, 11 March 2013



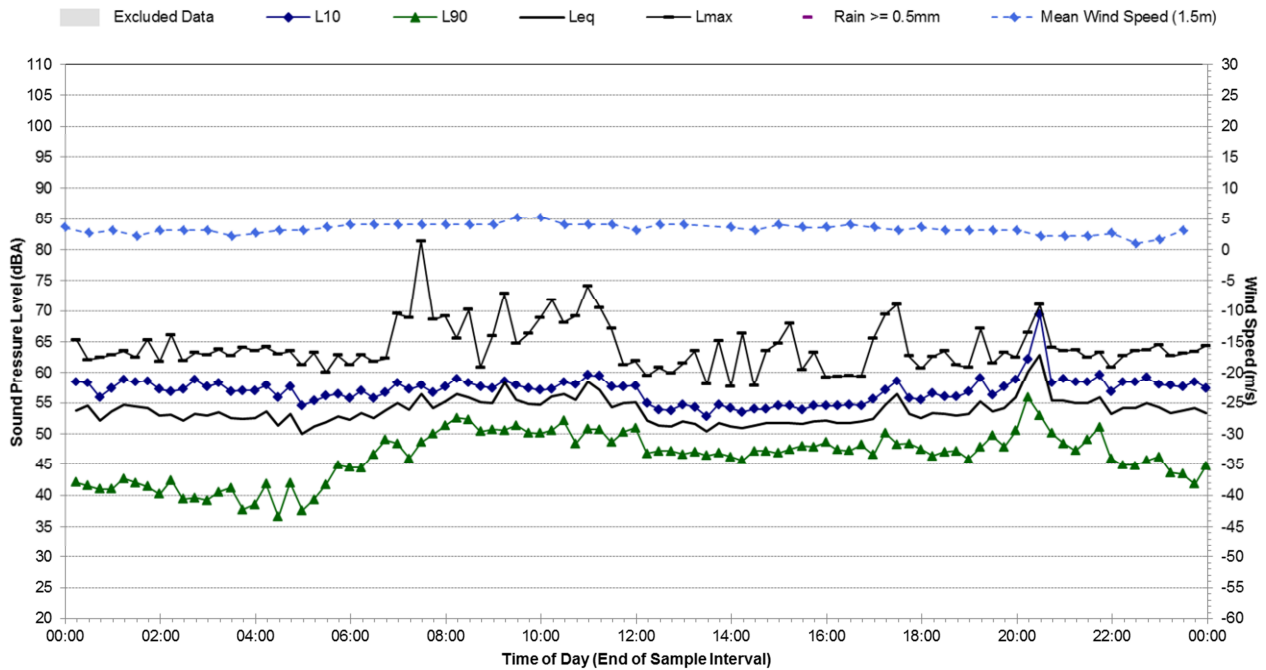
Statistical Ambient Noise Levels

NM17 - Tuesday, 12 March 2013



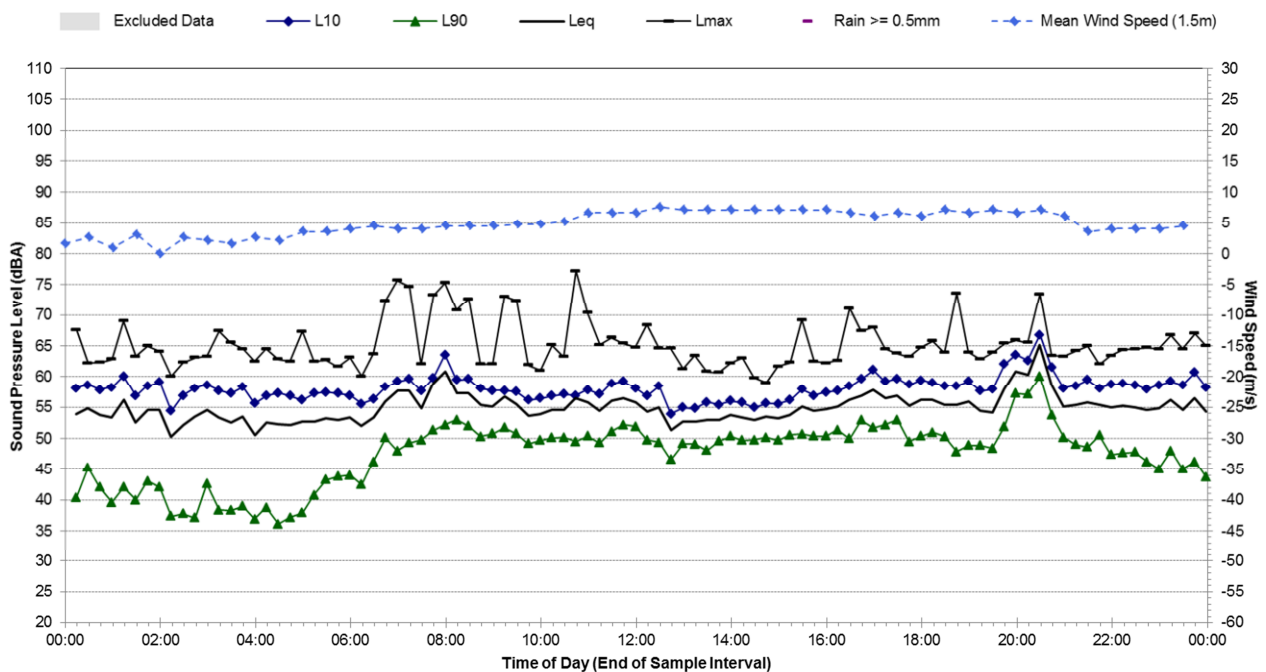
Statistical Ambient Noise Levels

NM17 - Wednesday, 13 March 2013



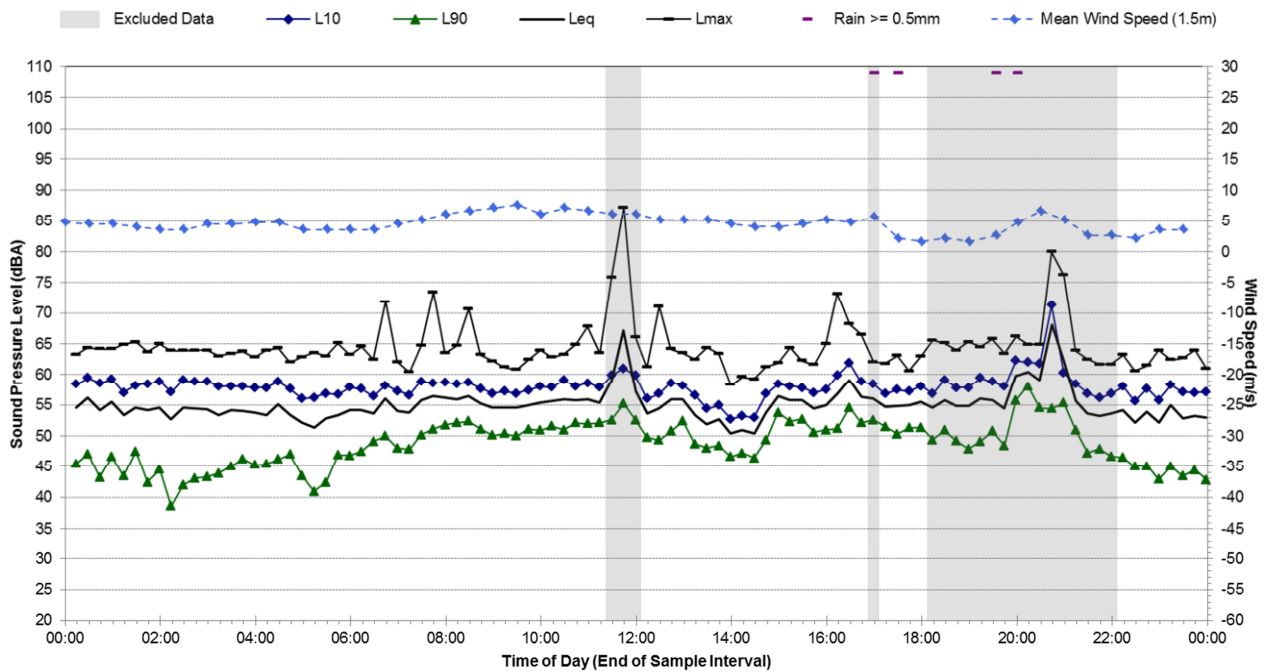
Statistical Ambient Noise Levels

NM17 - Thursday, 14 March 2013



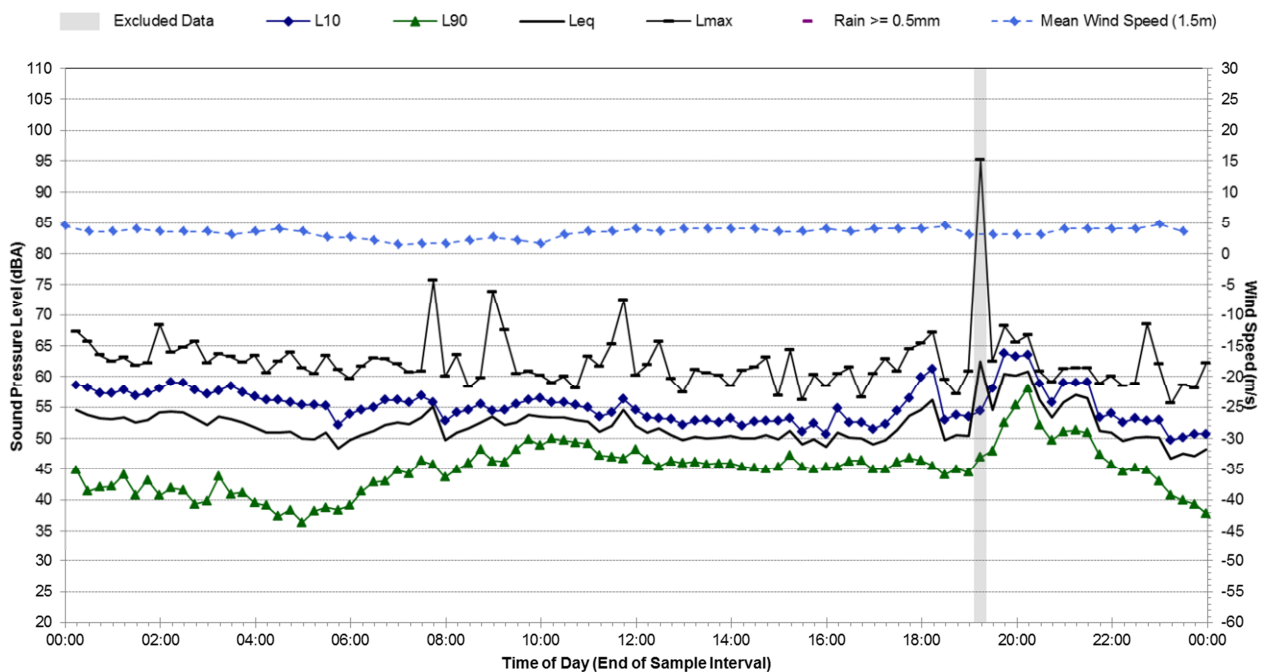
Statistical Ambient Noise Levels

NM17 - Friday, 15 March 2013



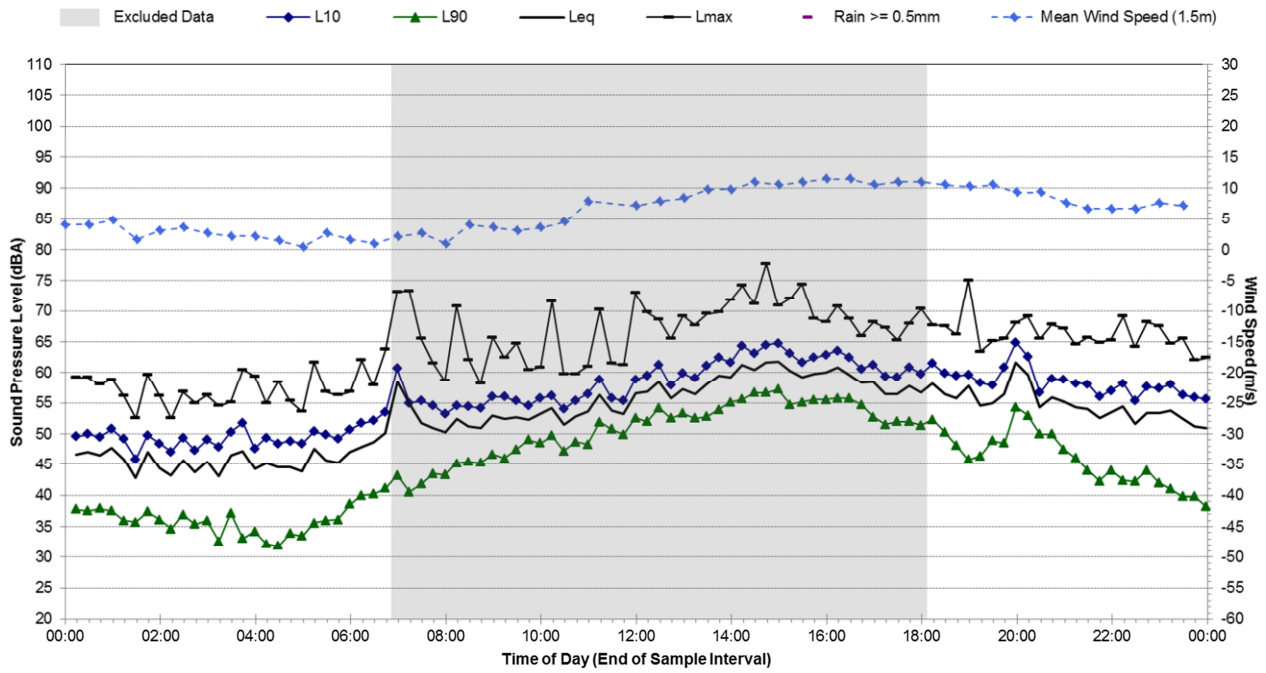
Statistical Ambient Noise Levels

NM17 - Saturday, 16 March 2013



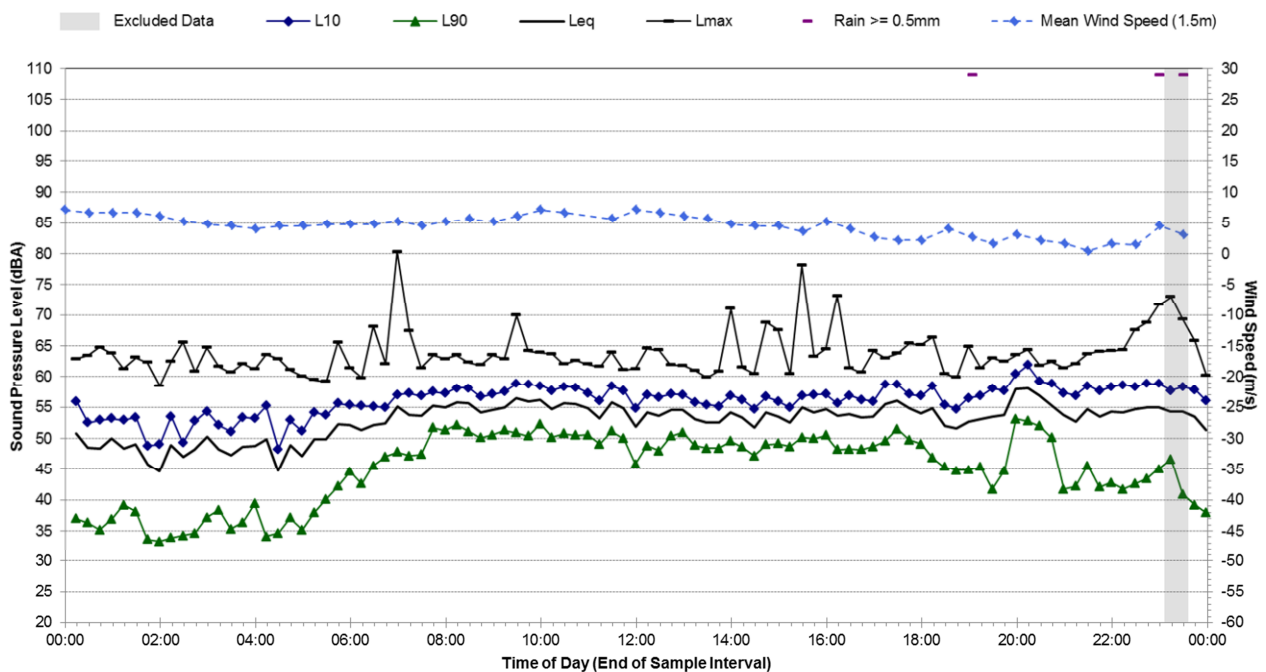
Statistical Ambient Noise Levels

NM17 - Sunday, 17 March 2013



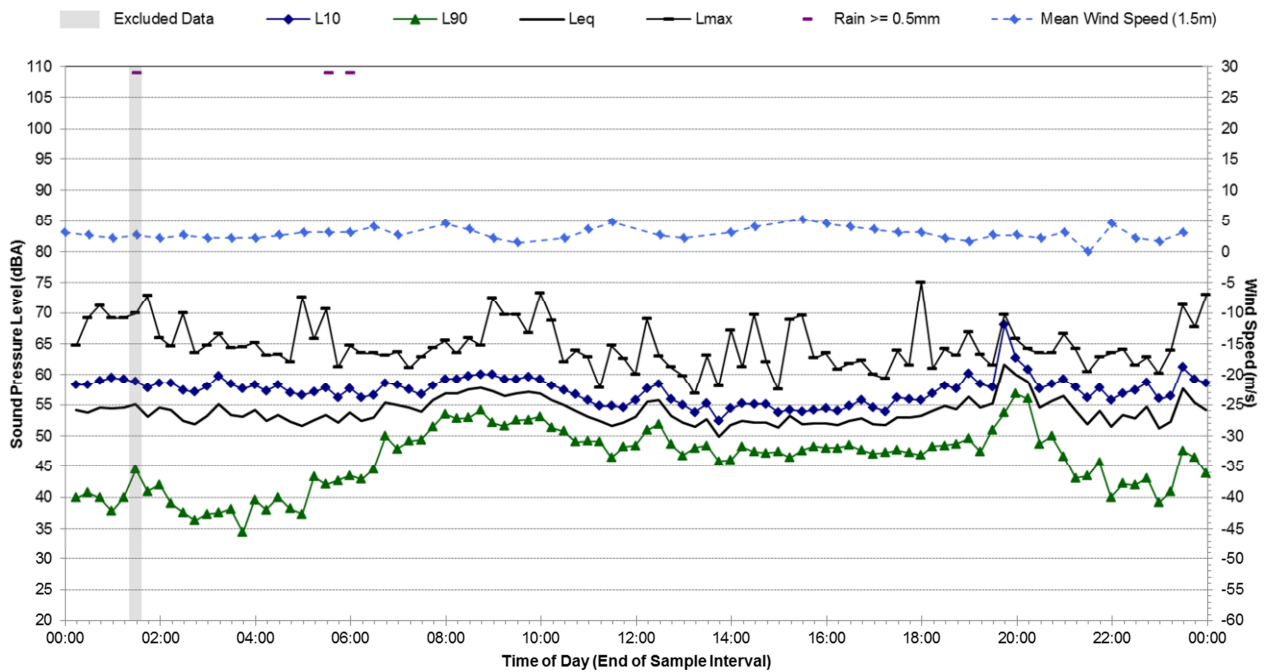
Statistical Ambient Noise Levels

NM17 - Monday, 18 March 2013



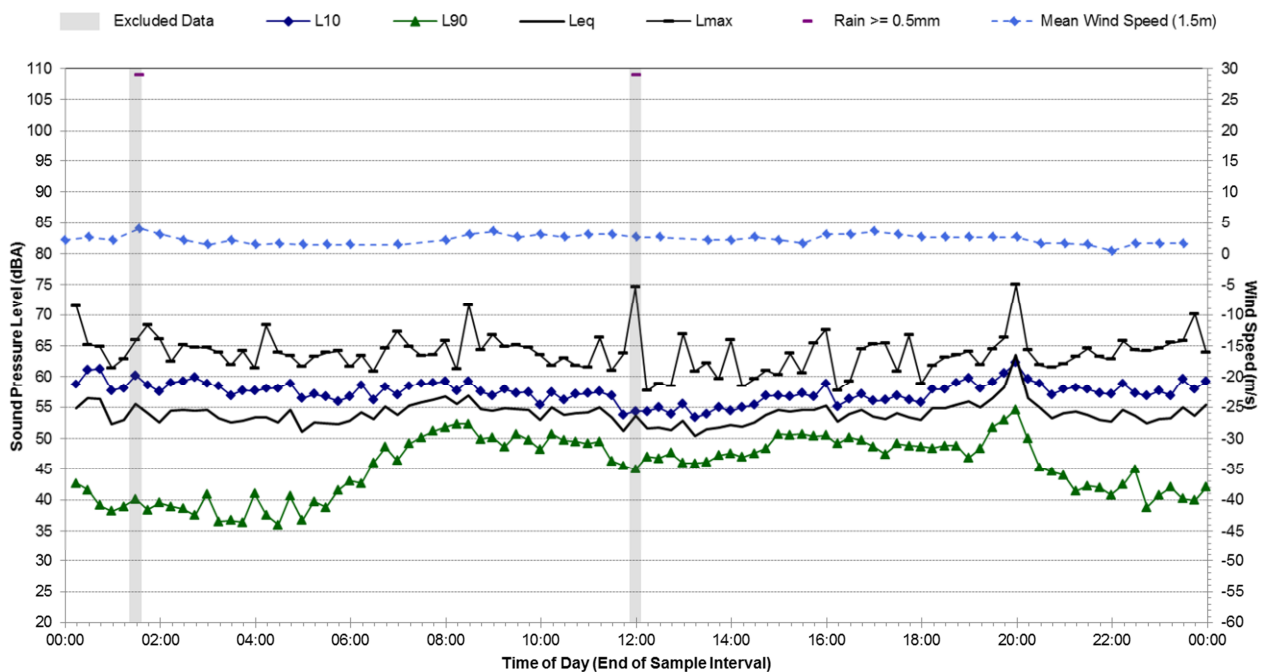
Statistical Ambient Noise Levels

NM17 - Tuesday, 19 March 2013



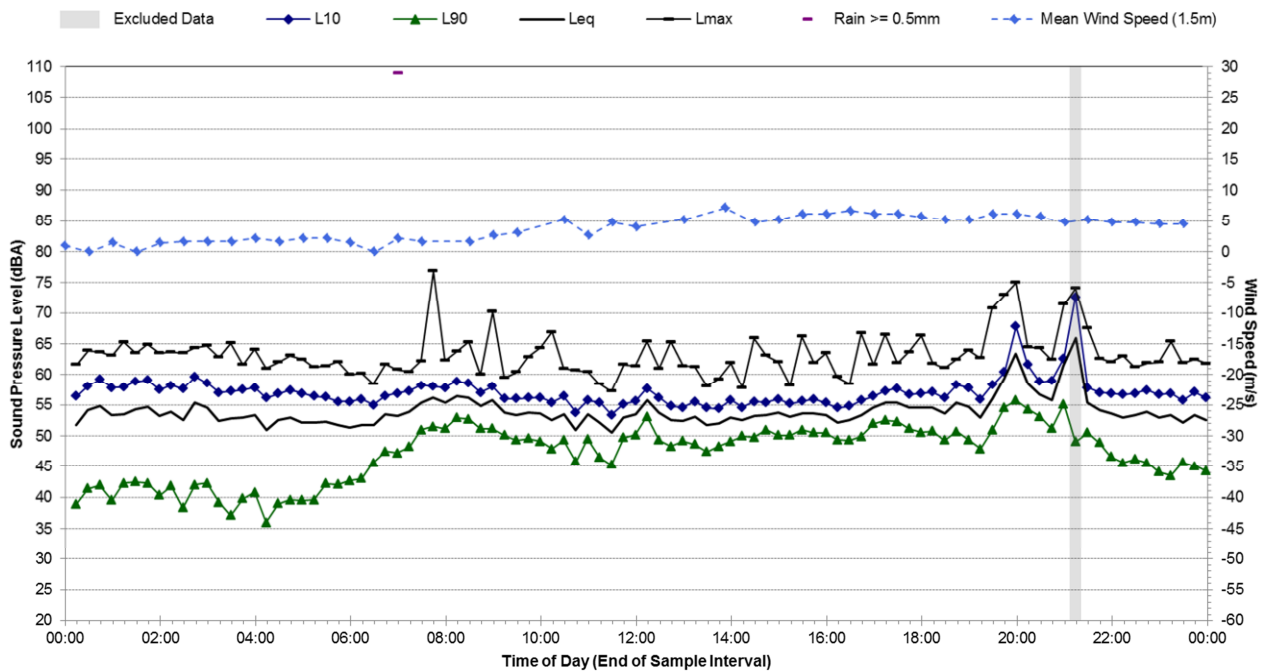
Statistical Ambient Noise Levels

NM17 - Wednesday, 20 March 2013



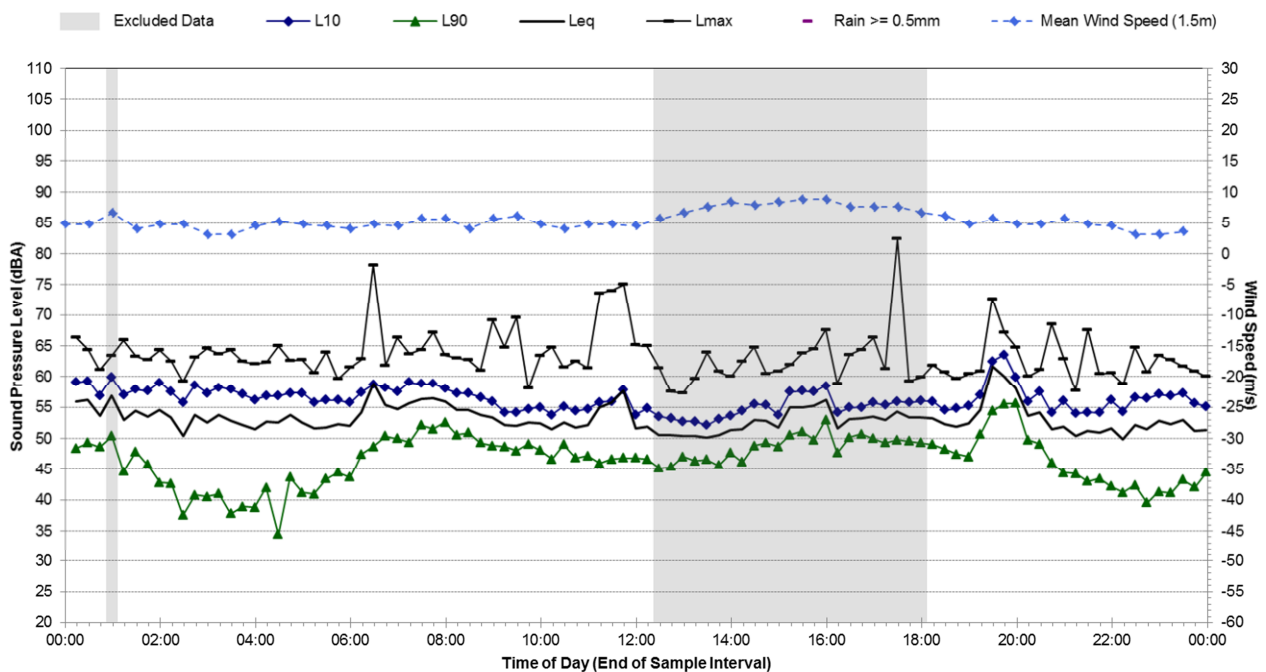
Statistical Ambient Noise Levels

NM17 - Thursday, 21 March 2013



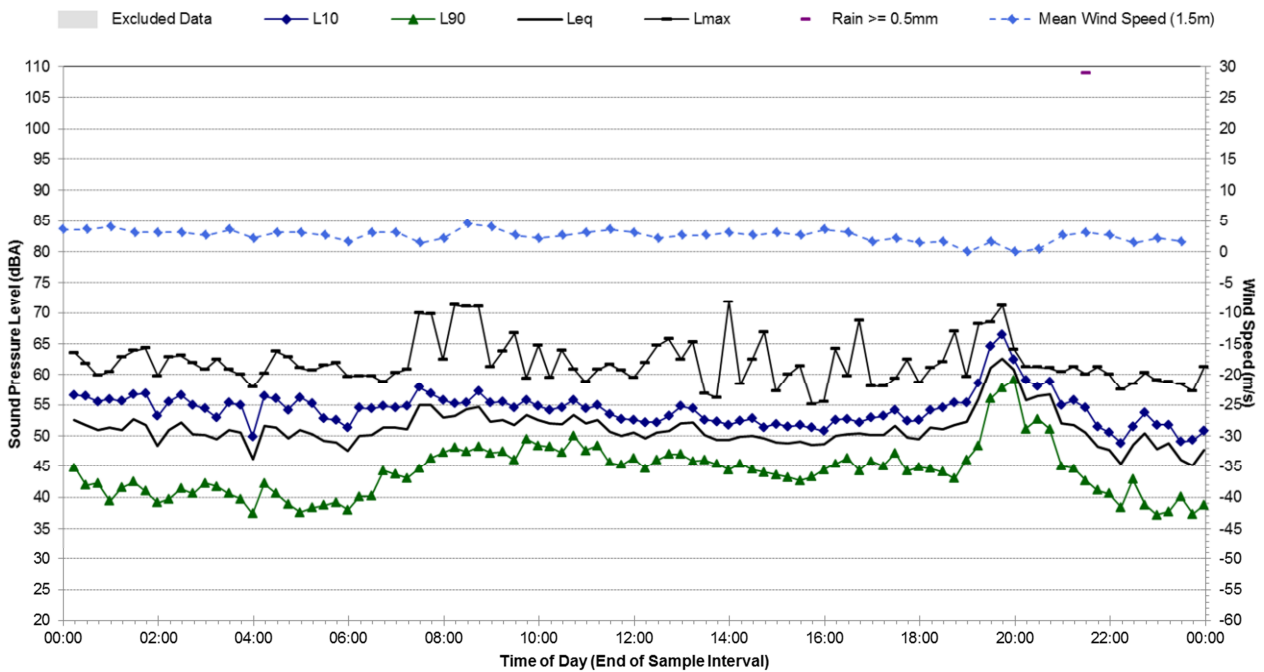
Statistical Ambient Noise Levels

NM17 - Friday, 22 March 2013



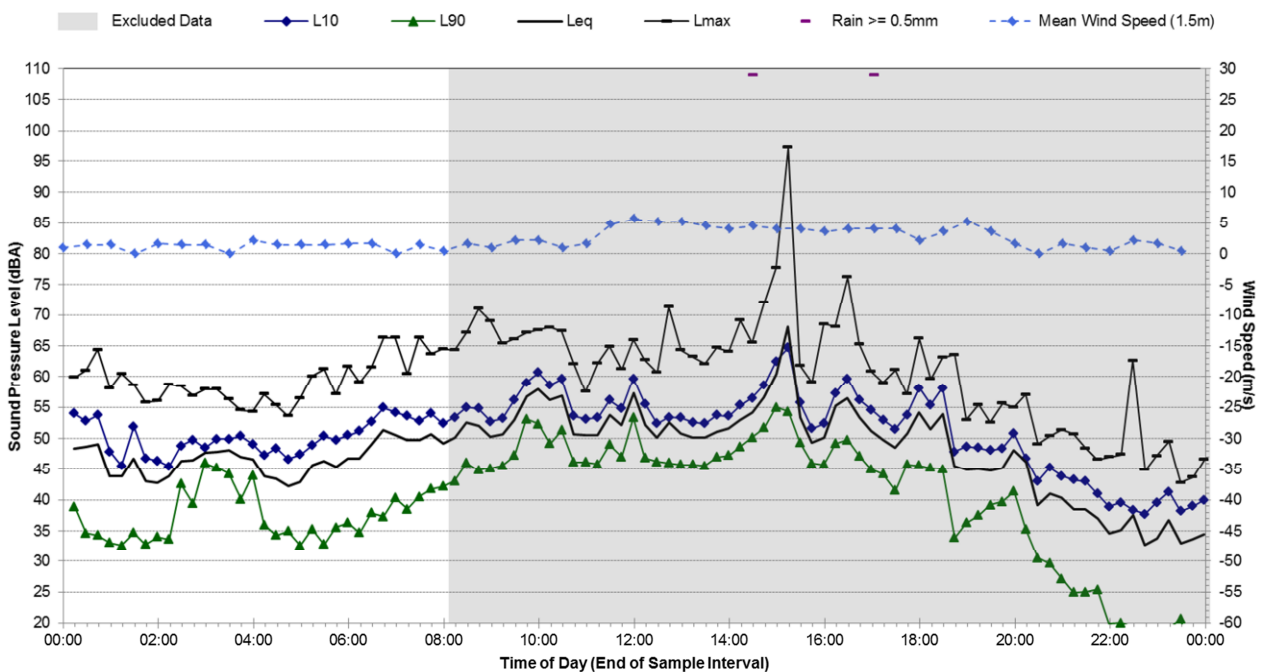
Statistical Ambient Noise Levels

NM17 - Saturday, 23 March 2013



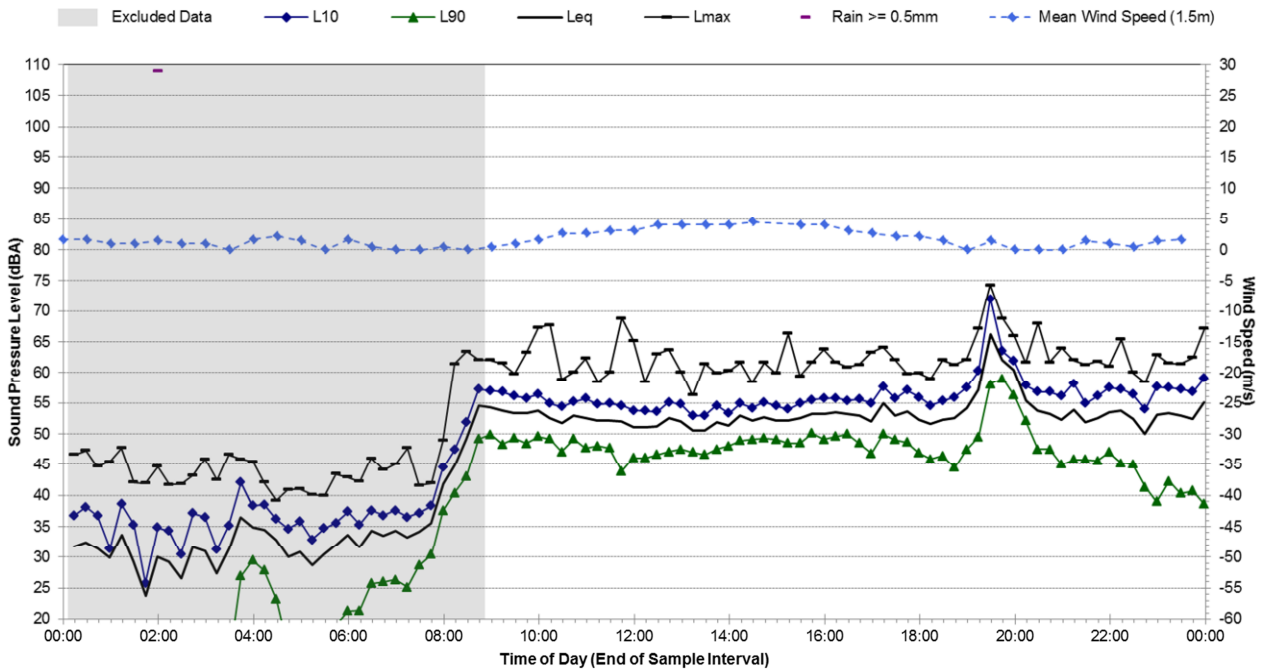
Statistical Ambient Noise Levels

NM17 - Sunday, 24 March 2013



Statistical Ambient Noise Levels

NM17 - Monday, 25 March 2013



Statistical Ambient Noise Levels

NM17 - Tuesday, 26 March 2013

