

APPENDIX A

Acoustic Terminology

1 Sound Level or Noise Level

The terms 'sound' and 'noise' are almost interchangeable, except that in common usage 'noise' is often used to refer to unwanted sound.

Sound (or noise) consists of minute fluctuations in atmospheric pressure capable of evoking the sense of hearing. The human ear responds to changes in sound pressure over a very wide range. The loudest sound pressure to which the human ear responds is ten million times greater than the softest. The decibel (abbreviated as dB) scale reduces this ratio to a more manageable size by the use of logarithms.

The symbols SPL, L or L_p are commonly used to represent Sound Pressure Level. The symbol L_A represents A-weighted Sound Pressure Level. The standard reference unit for Sound Pressure Levels expressed in decibels is 2×10^{-5} Pa.

2 'A' Weighted Sound Pressure Level

The overall level of a sound is usually expressed in terms of dBA, which is measured using a sound level meter with an 'A-weighting' filter. This is an electronic filter having a frequency response corresponding approximately to that of human hearing.

People's hearing is most sensitive to sounds at mid frequencies (500 Hz to 4,000 Hz), and less sensitive at lower and higher frequencies. Thus, the level of a sound in dBA is a good measure of the loudness of that sound. Different sources having the same dBA level generally sound about equally loud.

A change of 1 dB or 2 dB in the level of a sound is difficult for most people to detect, whilst a 3 dB to 5 dB change corresponds to a small but noticeable change in loudness. A 10 dB change corresponds to an approximate doubling or halving in loudness. The table below lists examples of typical noise levels.

Sound Pressure Level (dBA)	Typical Source	Subjective Evaluation
130	Threshold of pain	Intolerable
120	Heavy rock concert	Extremely noisy
110	Grinding on steel	
100	Loud car horn at 3 m	Very noisy
90	Construction site with pneumatic hammering	
80	Kerbside of busy street	Loud
70	Loud radio or television	
60	Department store	Moderate to quiet
50	General Office	
40	Inside private office	Quiet to very quiet
30	Inside bedroom	
20	Recording studio	Almost silent

Other weightings (eg B, C and D) are less commonly used than A-weighting. Sound Levels measured without any weighting are referred to as 'linear', and the units are expressed as dB(lin) or dB.

3 Sound Power Level

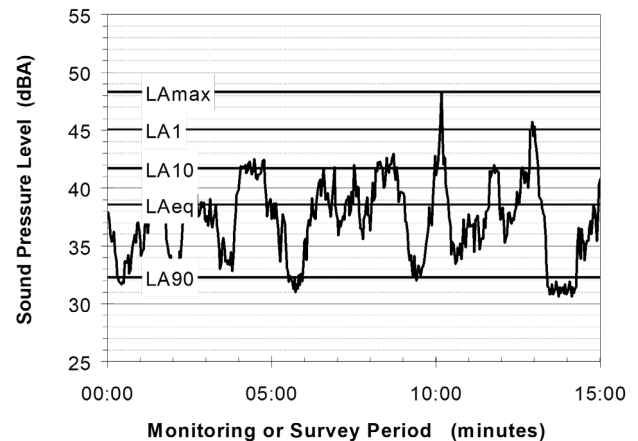
The Sound Power of a source is the rate at which it emits acoustic energy. As with Sound Pressure Levels, Sound Power Levels are expressed in decibel units (dB or dBA), but may be identified by the symbols SWL or L_w , or by the reference unit 10^{-12} W.

The relationship between Sound Power and Sound Pressure may be likened to an electric radiator, which is characterised by a power rating, but has an effect on the surrounding environment that can be measured in terms of a different parameter, temperature.

4 Statistical Noise Levels

Sounds that vary in level over time, such as road traffic noise and most community noise, are commonly described in terms of the statistical exceedance levels L_{AN} , where L_{AN} is the A-weighted sound pressure level exceeded for N% of a given measurement period. For example, the L_{A1} is the noise level exceeded for 1% of the time, L_{A10} the noise level exceeded for 10% of the time, and so on.

The following figure presents a hypothetical 15 minute noise survey, illustrating various common statistical indices of interest.



Of particular relevance, are:

- L_{A1} The noise level exceeded for 1% of the 15 minute interval.
- L_{A10} The noise level exceeded for 10% of the 15 minute interval. This is commonly referred to as the average maximum noise level.
- L_{A90} The noise level exceeded for 90% of the sample period. This noise level is described as the average minimum background sound level (in the absence of the source under consideration), or simply the background level.
- L_{Aeq} The A-weighted equivalent noise level (basically, the average noise level). It is defined as the steady sound level that contains the same amount of acoustical energy as the corresponding time-varying sound.

When dealing with numerous days of statistical noise data, it is sometimes necessary to define the typical noise levels at a given monitoring location for a particular time of day. A standardised method is available for determining these representative levels.

This method produces a level representing the 'repeatable minimum' L_{A90} noise level over the daytime and night-time measurement periods, as required by the EPA. In addition, the method produces mean or 'average' levels representative of the other descriptors (L_{Aeq} , L_{A10} , etc).

5 Tonality

Tonal noise contains one or more prominent tones (ie distinct frequency components), and is normally regarded as more offensive than 'broad band' noise.

6 Impulsiveness

An impulsive noise is characterised by one or more short sharp peaks in the time domain, such as occurs during hammering.

7 Frequency Analysis

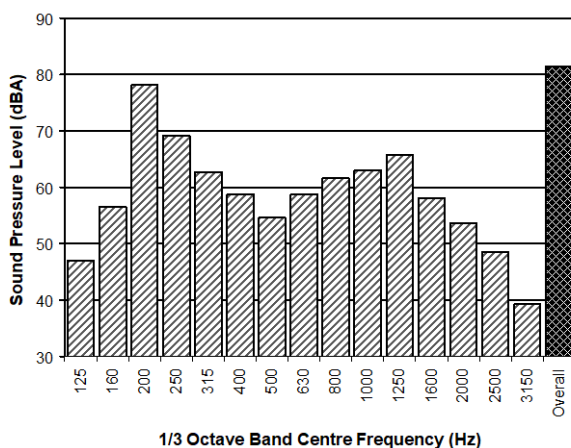
Frequency analysis is the process used to examine the tones (or frequency components) which make up the overall noise or vibration signal. This analysis was traditionally carried out using analogue electronic filters, but is now normally carried out using Fast Fourier Transform (FFT) analysers.

The units for frequency are Hertz (Hz), which represent the number of cycles per second.

Frequency analysis can be in:

- Octave bands (where the centre frequency and width of each band is double the previous band)
- 1/3 octave bands (3 bands in each octave band)
- Narrow band (where the spectrum is divided into 400 or more bands of equal width)

The following figure shows a 1/3 octave band frequency analysis where the noise is dominated by the 200 Hz band. Note that the indicated level of each individual band is less than the overall level, which is the logarithmic sum of the bands.



8 Vibration

Vibration may be defined as cyclic or transient motion. This motion can be measured in terms of its displacement, velocity or acceleration. Most assessments of human response to vibration or the risk of damage to buildings use measurements of vibration velocity. These may be expressed in terms of 'peak' velocity or 'rms' velocity.

The former is the maximum instantaneous velocity, without any averaging, and is sometimes referred to as 'peak particle velocity', or PPV. The latter incorporates 'root mean squared' averaging over some defined time period.

Vibration measurements may be carried out in a single axis or alternatively as triaxial measurements. Where triaxial measurements are used, the axes are commonly designated vertical, longitudinal (aligned toward the source) and transverse.

The common units for velocity are millimetres per second (mm/s). As with noise, decibel units can also be used, in which case the reference level should always be stated. A vibration level V , expressed in mm/s can be converted to decibels by the formula $20 \log (V/V_0)$, where V_0 is the reference level (10^{-9} m/s). Care is required in this regard, as other reference levels may be used by some organisations.

9 Human Perception of Vibration

People are able to 'feel' vibration at levels lower than those required to cause even superficial damage to the most susceptible classes of building (even though they may not be disturbed by the motion). An individual's perception of motion or response to vibration depends very strongly on previous experience and expectations, and on other connotations associated with the perceived source of the vibration. For example, the vibration that a person responds to as 'normal' in a car, bus or train is considerably higher than what is perceived as 'normal' in a shop, office or dwelling.

10 Over-Pressure

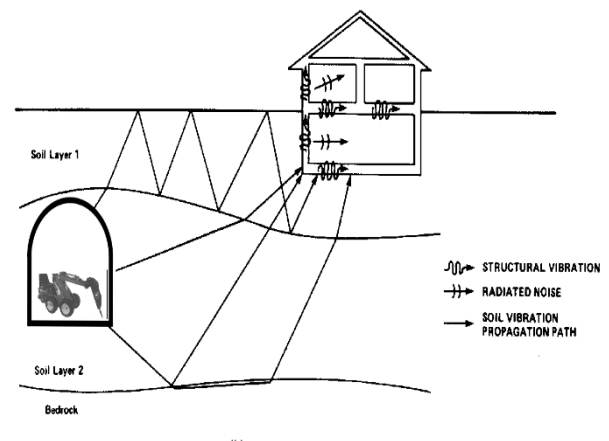
The term 'over-pressure' is used to describe the air pressure pulse emitted during blasting or similar events. The peak level of an event is normally measured using a microphone in the same manner as linear noise (ie unweighted), at frequencies both in and below the audible range.

11 Ground-borne Noise, Structure-borne Noise and Regenerated Noise

Noise that propagates through a structure as vibration and is radiated by vibrating wall and floor surfaces is termed 'structure-borne noise', 'ground-borne noise' or 'regenerated noise'. This noise originates as vibration and propagates between the source and receiver through the ground and/or building structural elements, rather than through the air.

Typical sources of ground-borne or structure-borne noise include tunnelling works, underground railways, excavation plant (eg rockbreakers), and building services plant (eg fans, compressors and generators).

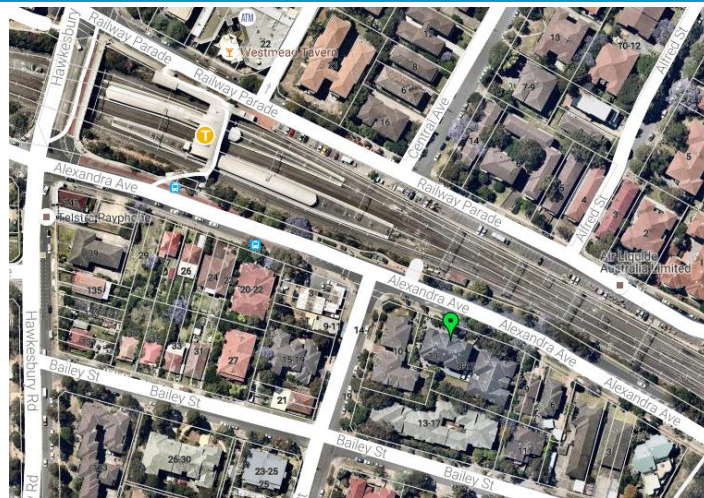
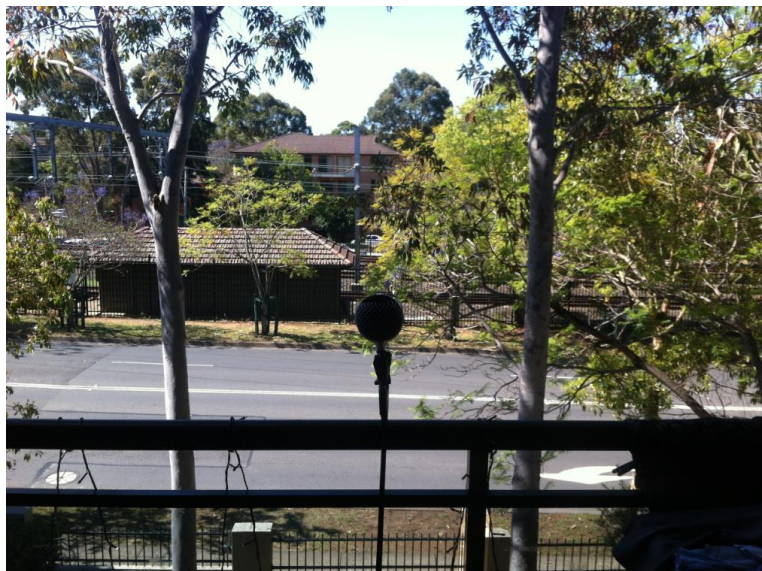
The following figure presents an example of the various paths by which vibration and ground-borne noise may be transmitted between a source and receiver for construction activities occurring within a tunnel.



The term 'regenerated noise' is also used in other instances where energy is converted to noise away from the primary source. One example would be a fan blowing air through a discharge grill. The fan is the energy source and primary noise source. Additional noise may be created by the aerodynamic effect of the discharge grill in the airstream. This secondary noise is referred to as regenerated noise.

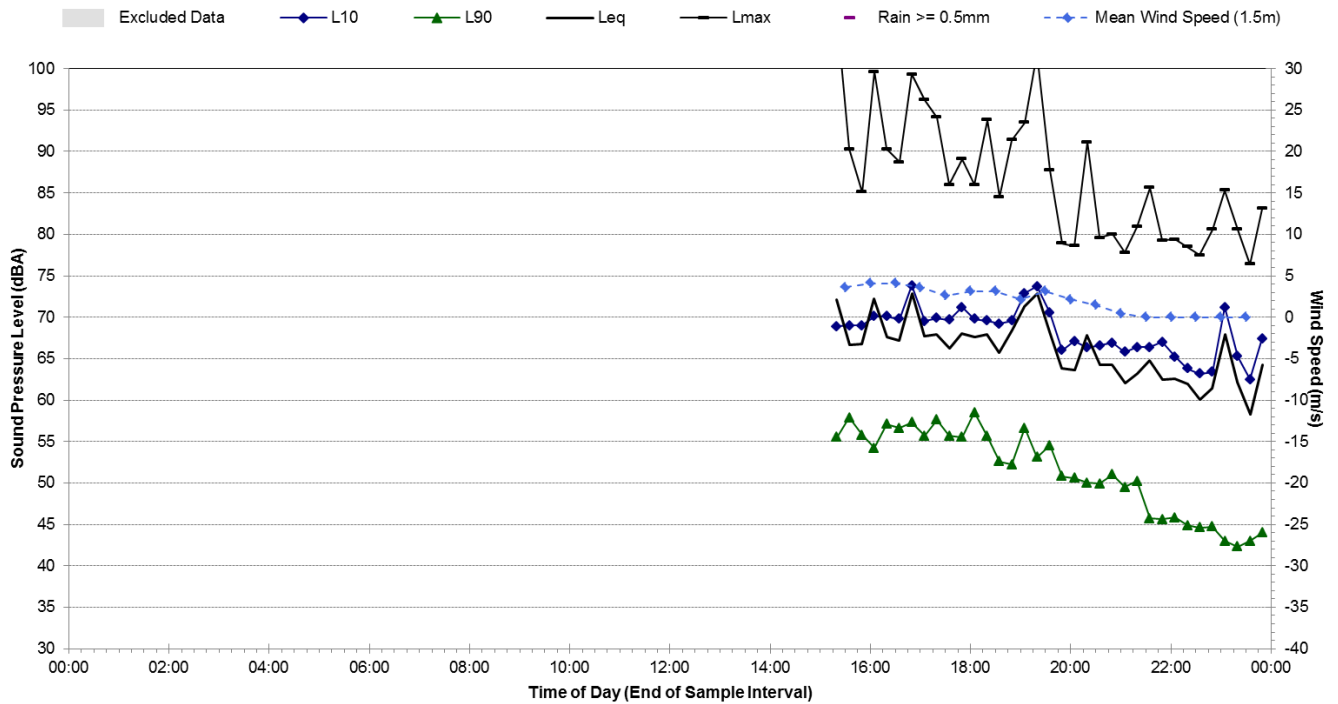
APPENDIX B

Ambient Noise Monitoring Results

Noise Monitoring Location		B.01				Map of Noise Monitoring Location	
Noise Monitoring Address		8-12 Alexandra Ave, Westmead					
Logger Device Type: Svantek 957, Logger Serial No: 21425 Sound Level Meter Device Type: Brüel and Kjær 2260, Sound Level Meter Serial No: 2414605							
Ambient noise data obtained as part of the Stage 1 Parramatta Light Rail Project. Ambient noise logger located on the front balcony of a level 1 apartment at 8-12 Alexandra Avenue, Westmead.							
Attended noise measurements indicate the ambient noise environment at this location is dominated by road traffic noise from Alexandra Avenue as well as other nearby roads. Train passby noise also heard regularly at this location.							
Measured noise levels: (L _{Amax}): 25/10/2016: Light-vehicle traffic Alexandra Avenue: 60-70 dBA, Heavy-vehicle traffic Alexandra Avenue: 65-81 dBA, Accelerating road traffic Alexandra Avenue: 70-87 dBA, Idling road traffic Alexandra Avenue: 55-60 dBA							
Ambient Noise Logging Results ICNG Defined Time Periods							
Monitoring Period (25/10/2016 – 03/11/2016)		Noise Level (dBA)					
	RBL	LAeq	L10	L1			
Daytime		49	67	69	75		
Evening		47	67	68	74		
Night-time		37	62	62	71		
Ambient Noise Logging Results RNP Defined Time Periods							
Monitoring Period (25/10/2016 – 03/11/2016)		Noise Level (dBA)					
	LAeq(period)		LAeq(1hour)				
Daytime (7am-10pm)		67		70			
Night-time (10pm-7am)		62		67			
Attended Noise Measurement Results							
Date		Start Time	Measured Noise Level (dBA)				
			LA90	LAeq	L _{Amax}		
25/10/2016		15:11	57	67	87		

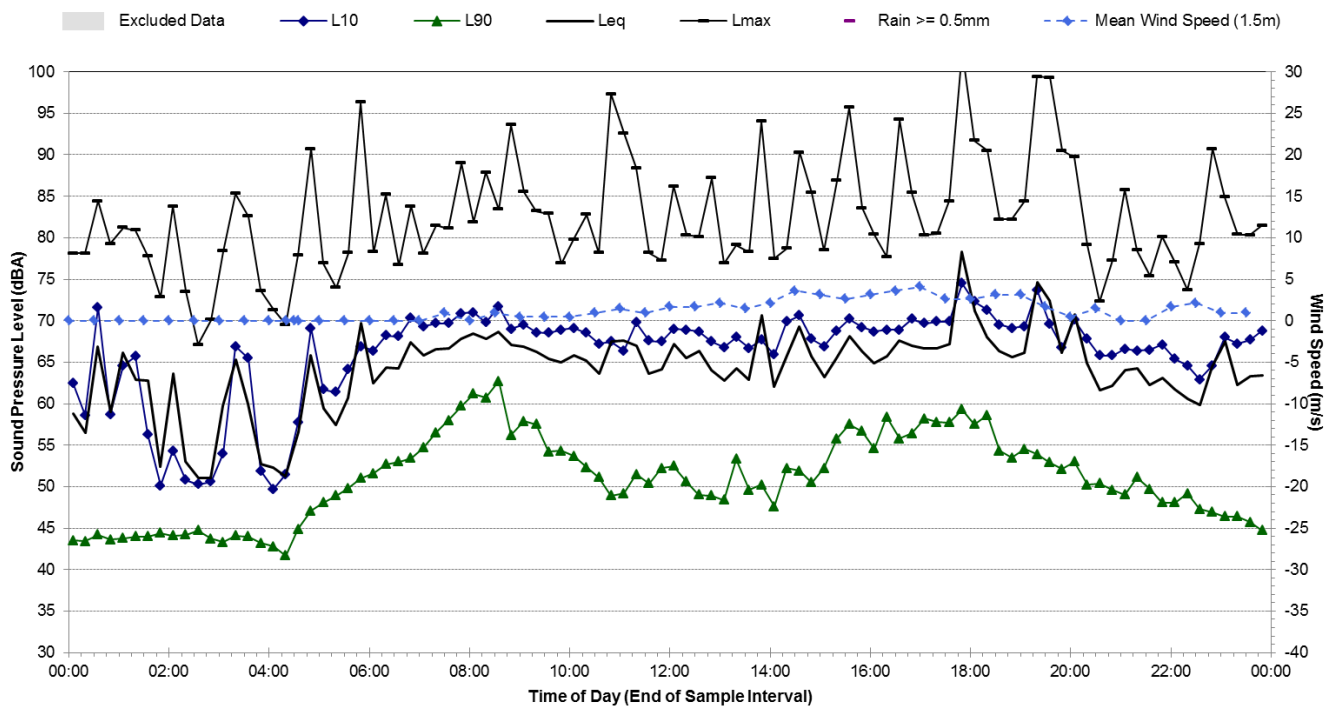
Statistical Ambient Noise Levels

8-12 Alexandra Ave, Westmead - Tuesday, 25 October 2016



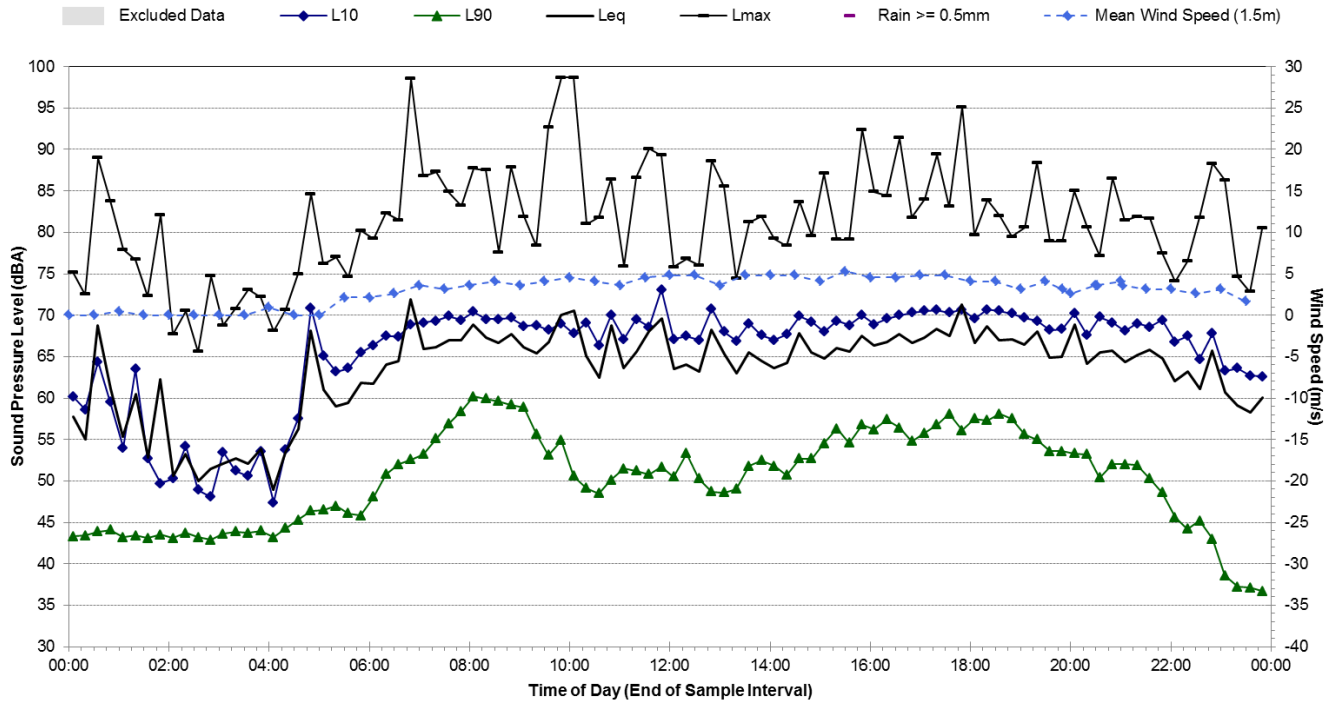
Statistical Ambient Noise Levels

8-12 Alexandra Ave, Westmead - Wednesday, 26 October 2016



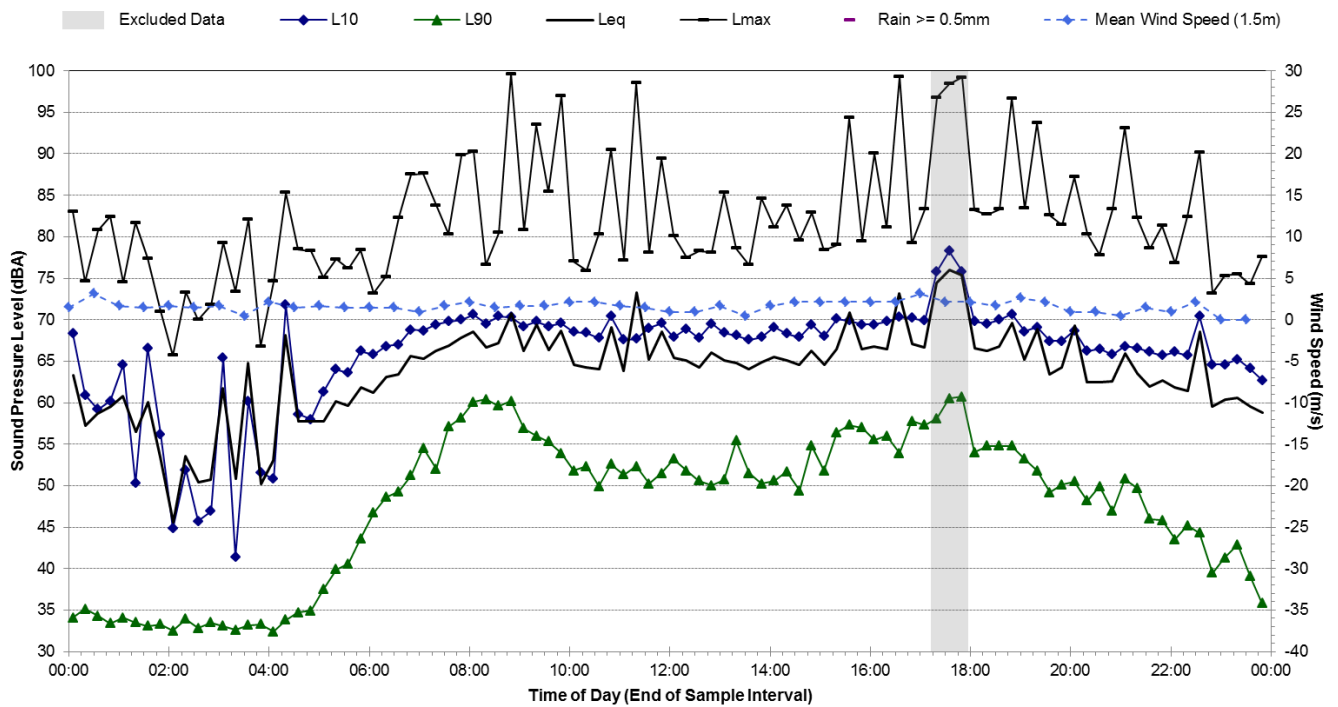
Statistical Ambient Noise Levels

8-12 Alexandra Ave, Westmead - Thursday, 27 October 2016



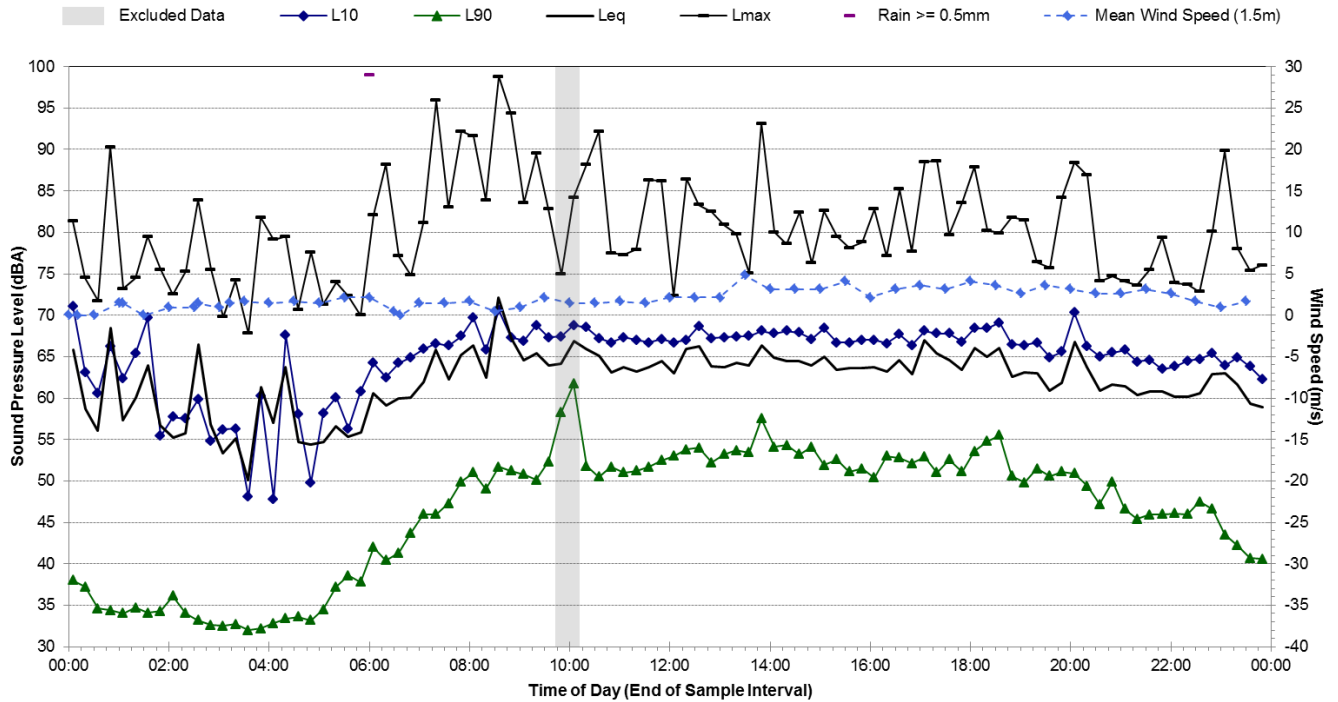
Statistical Ambient Noise Levels

8-12 Alexandra Ave, Westmead - Friday, 28 October 2016



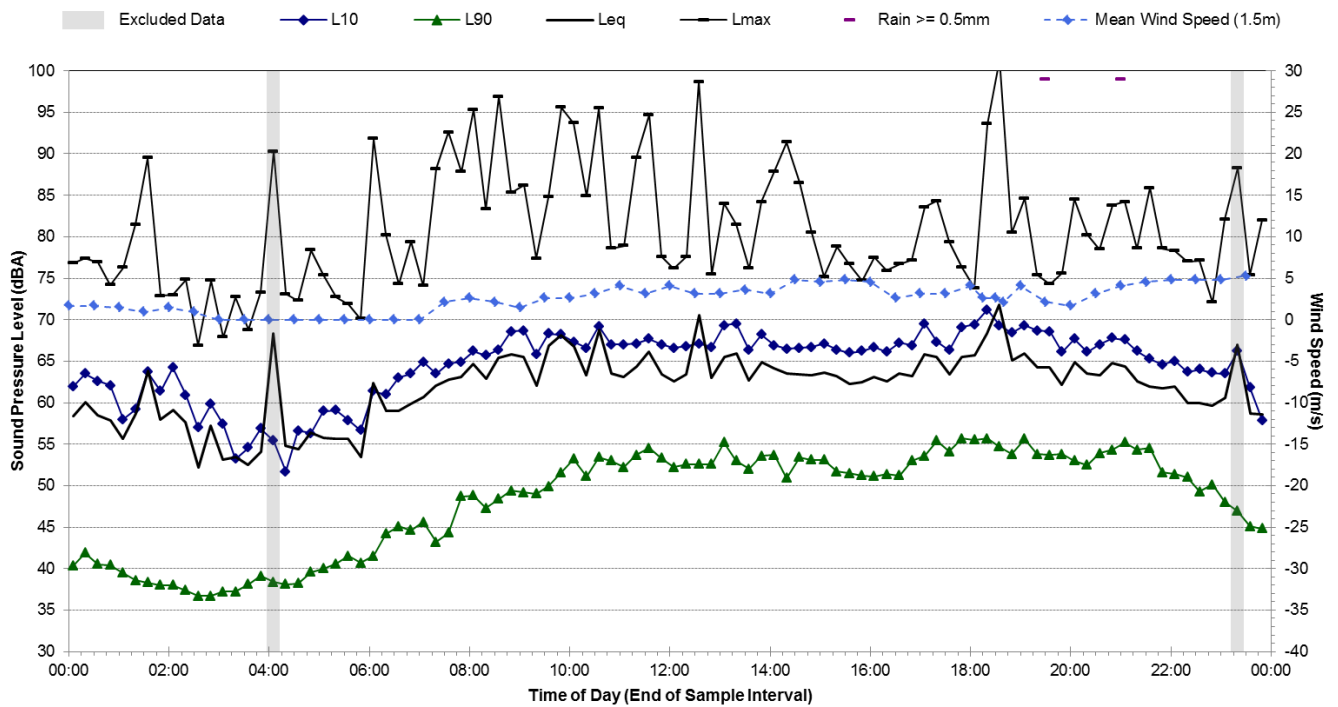
Statistical Ambient Noise Levels

8-12 Alexandra Ave, Westmead - Saturday, 29 October 2016



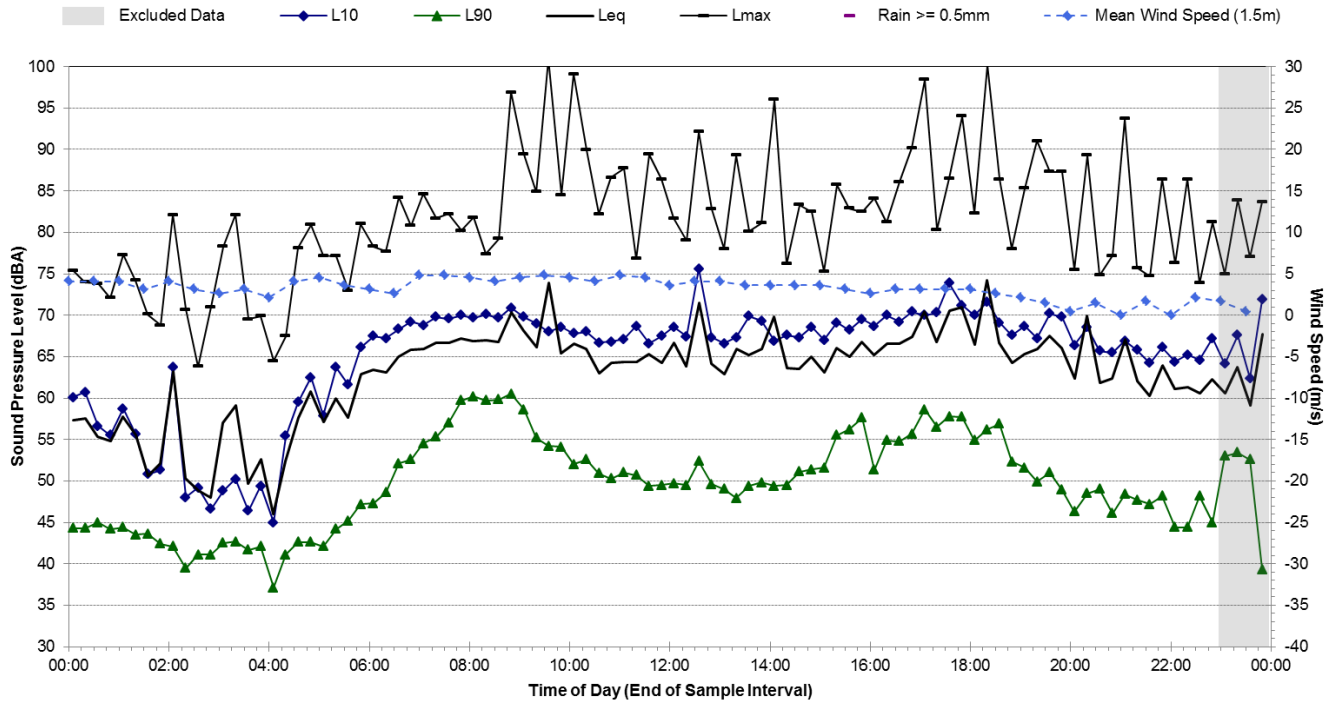
Statistical Ambient Noise Levels

8-12 Alexandra Ave, Westmead - Sunday, 30 October 2016



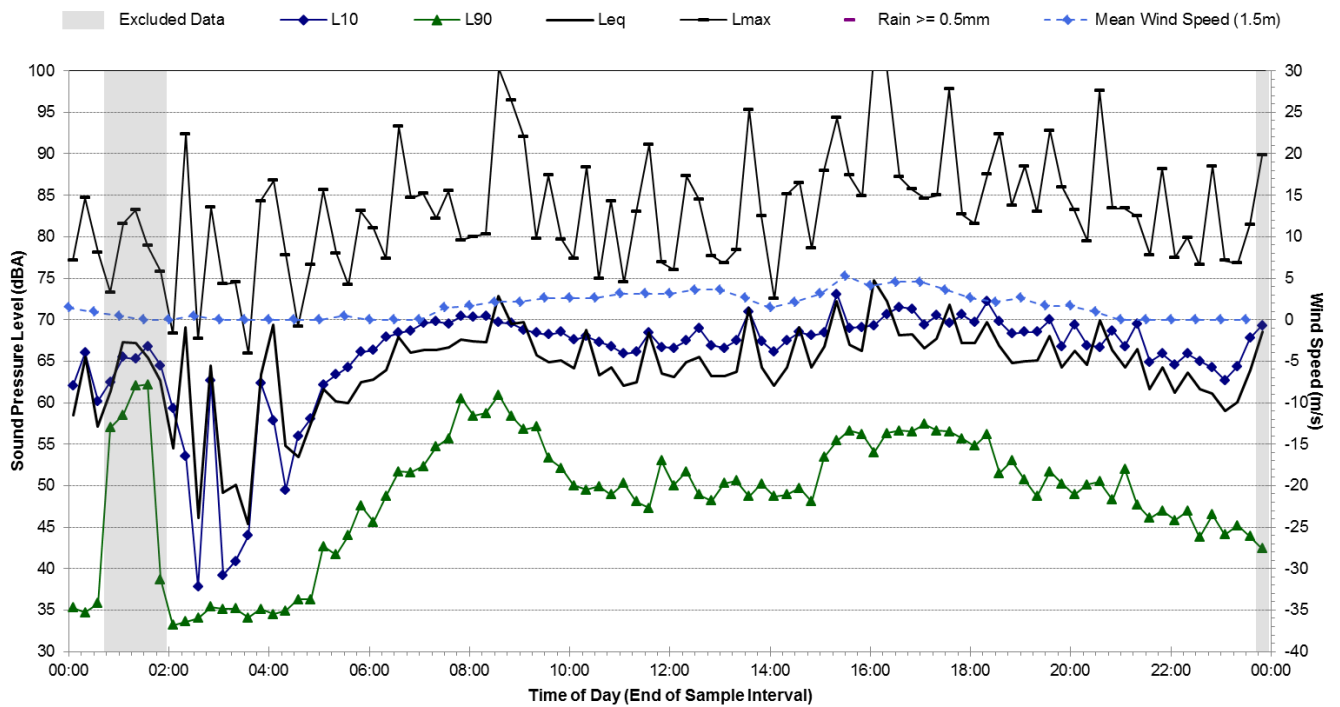
Statistical Ambient Noise Levels

8-12 Alexandra Ave, Westmead - Monday, 31 October 2016



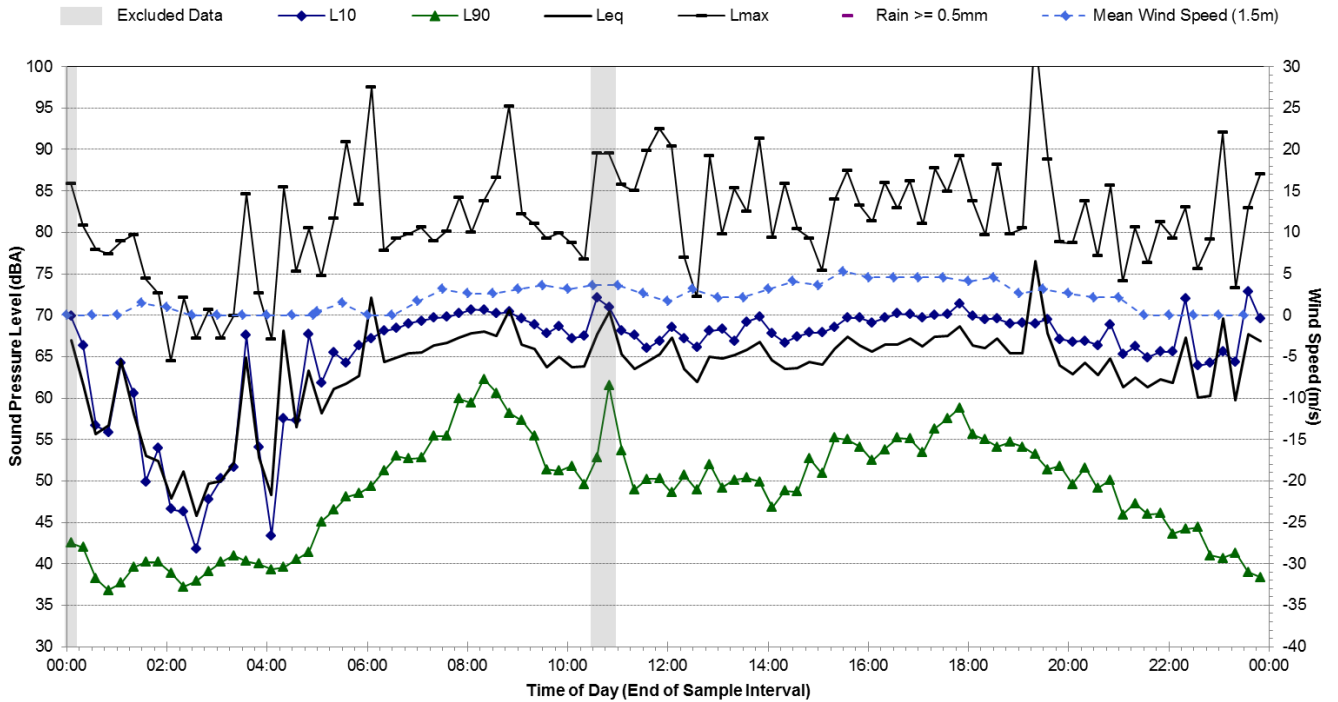
Statistical Ambient Noise Levels

8-12 Alexandra Ave, Westmead - Tuesday, 1 November 2016



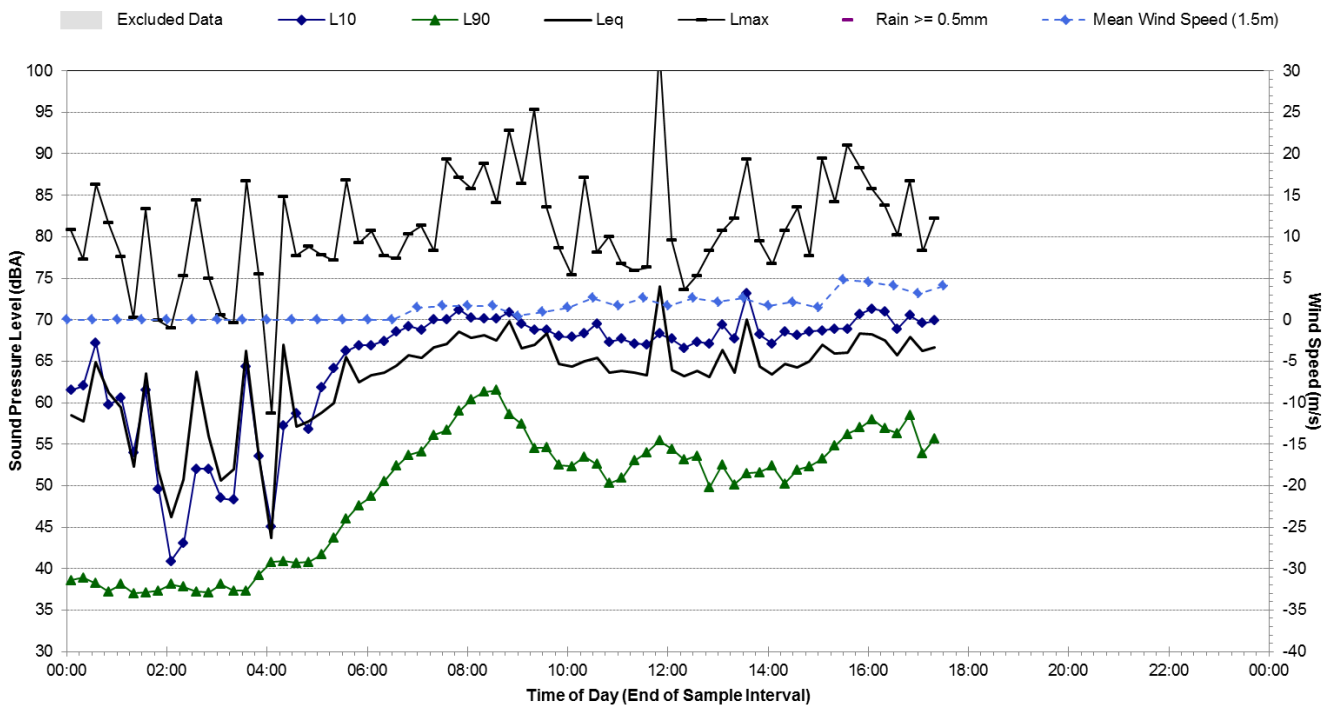
Statistical Ambient Noise Levels

8-12 Alexandra Ave, Westmead - Wednesday, 2 November 2016



Statistical Ambient Noise Levels

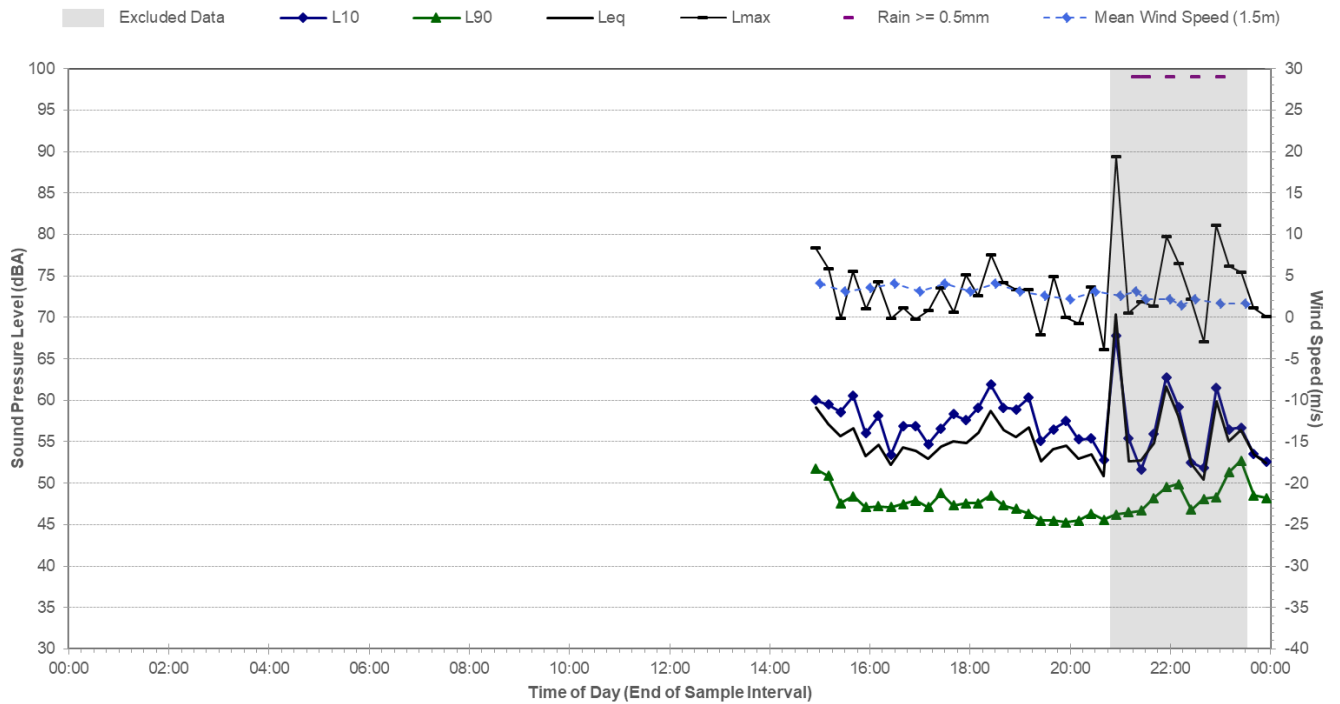
8-12 Alexandra Ave, Westmead - Thursday, 3 November 2016



Noise Monitoring Location		B.02				Map of Noise Monitoring Location	
Noise Monitoring Address		14A Central Avenue, Westmead					
Logger Device Type: SVAN957, Logger Serial No: 20674 Sound Level Meter Device Type: Brüel and Kjær 2260, Sound Level Meter Serial No: 2414604							
Ambient noise logger located at 14A Central Ave, Westmead. Logger located with view of Ashley Lane to the west, Railway Parade and the Western Rail Line to the south, and Queens Road to the north.							
Attended noise measurements indicate the ambient noise environment at this location is dominated by road traffic noise from Ashley Lane. Rail passbys on the Western Rail Line and commercial operations also contribute.							
Measured noise levels (LAmax): 05/03/2019: Light-vehicle traffic Ashley Lane: 60-76 dBA, Heavy-vehicle traffic Ashley Lane: 70 dBA, Commercial operations: 50-75 dBA, Aircraft: 55-63 dBA, Pedestrians:55-62 dBA							
Ambient Noise Logging Results ICNG Defined Time Periods							
Monitoring Period (21/02/2019 – 05/03/2019)		Noise Level (dBA)					
	RBL	LAeq	L10	L1			
Daytime	48	58	60	66			
Evening	45	55	56	64			
Night-time	41	51	47	57			
Ambient Noise Logging Results RNP Defined Time Periods							
Monitoring Period (21/02/2019 – 05/03/2019)		Noise Level (dBA)					
	LAeq(period)		LAeq(1hour)				
Daytime (7am-10pm)	57		60				
Night-time (10pm-7am)	51		60				
Attended Noise Measurement Results							
Date	Start Time	Measured Noise Level (dBA)					
		LA90	LAeq	LAmaz			
05/03/2019	15:29	47	57	76			

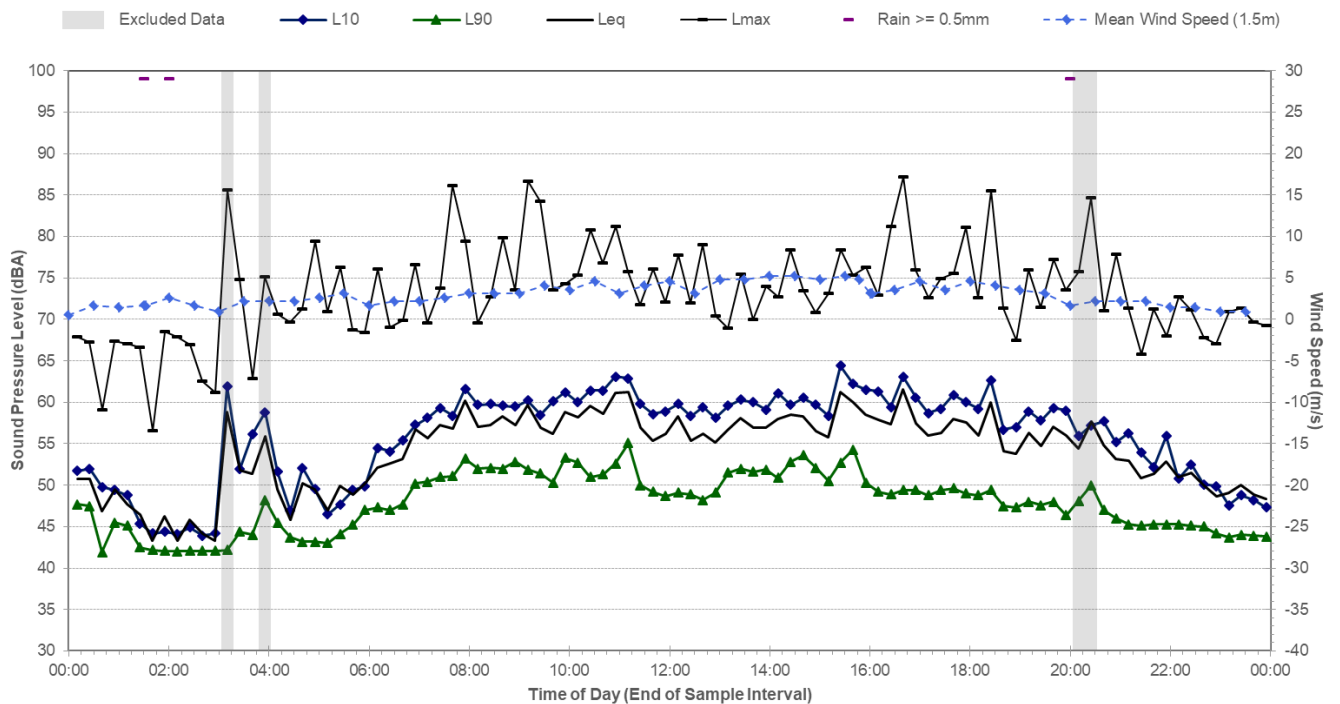
Statistical Ambient Noise Levels

14A Central Ave, Westmead - Thursday, 21 February 2019



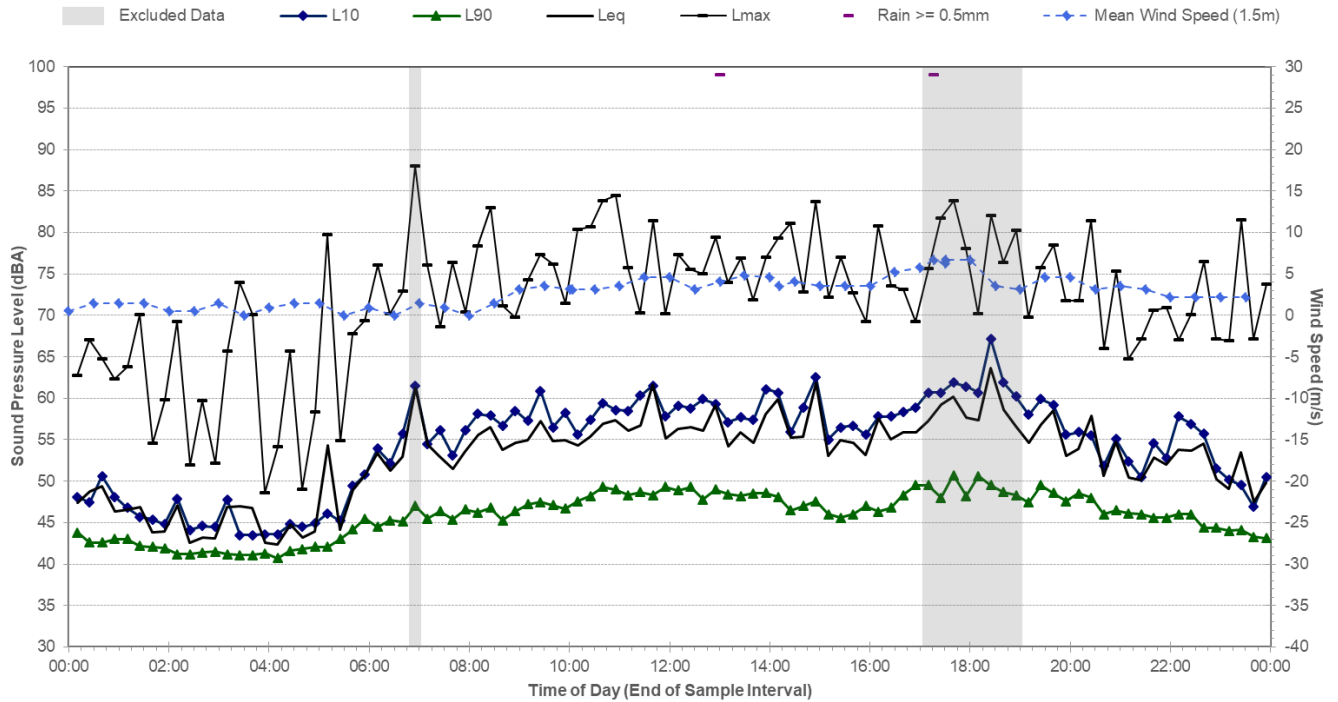
Statistical Ambient Noise Levels

14A Central Ave, Westmead - Friday, 22 February 2019



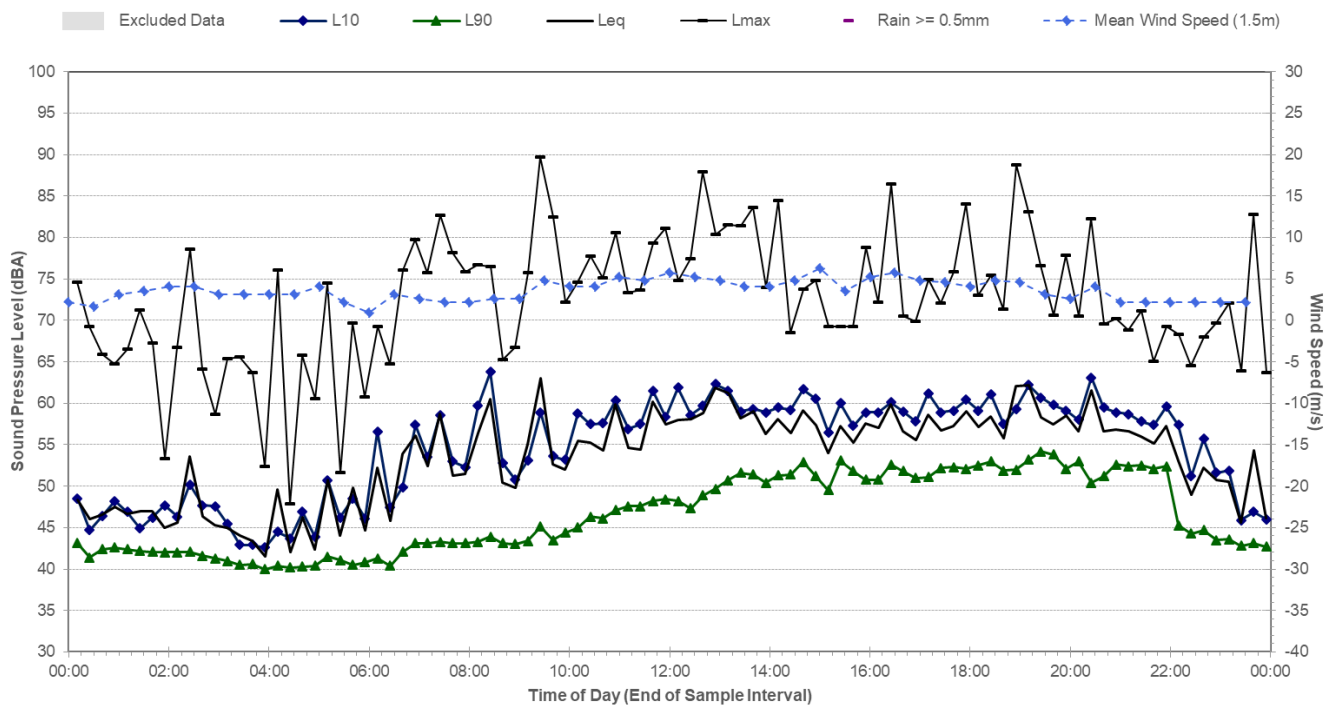
Statistical Ambient Noise Levels

14A Central Ave, Westmead - Saturday, 23 February 2019



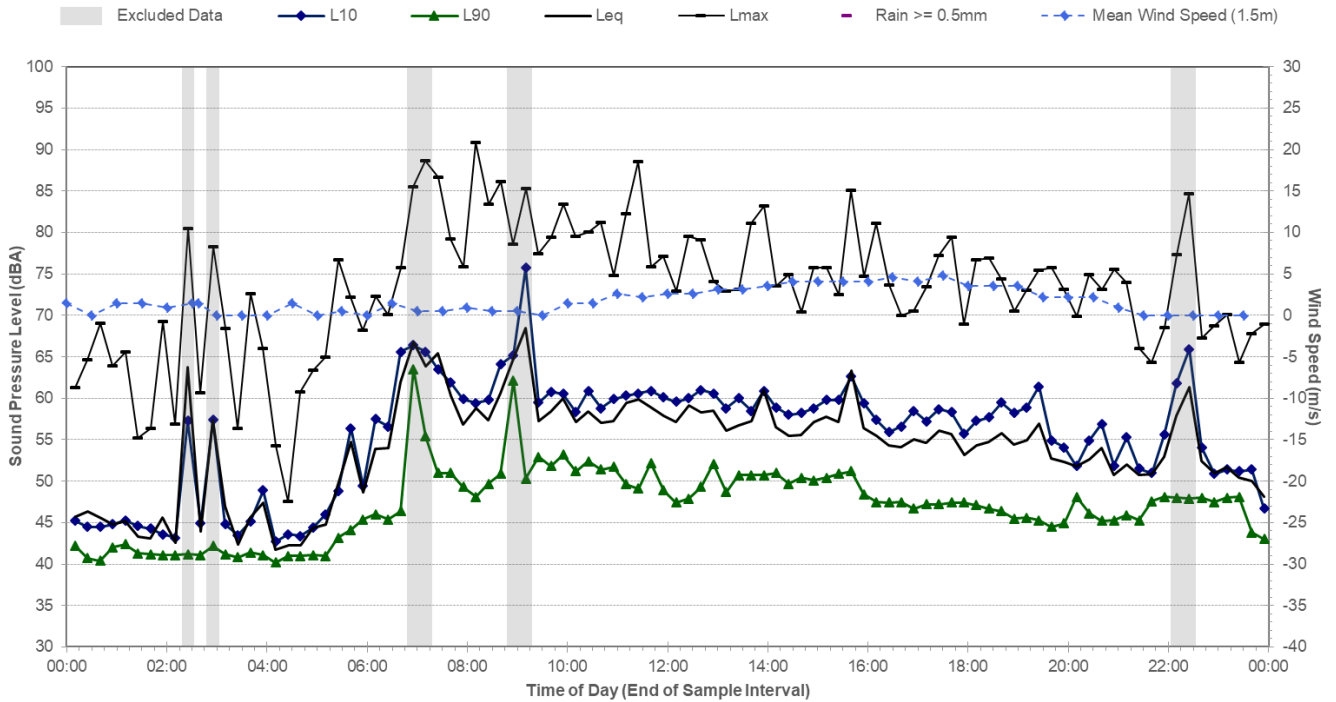
Statistical Ambient Noise Levels

14A Central Ave, Westmead - Sunday, 24 February 2019



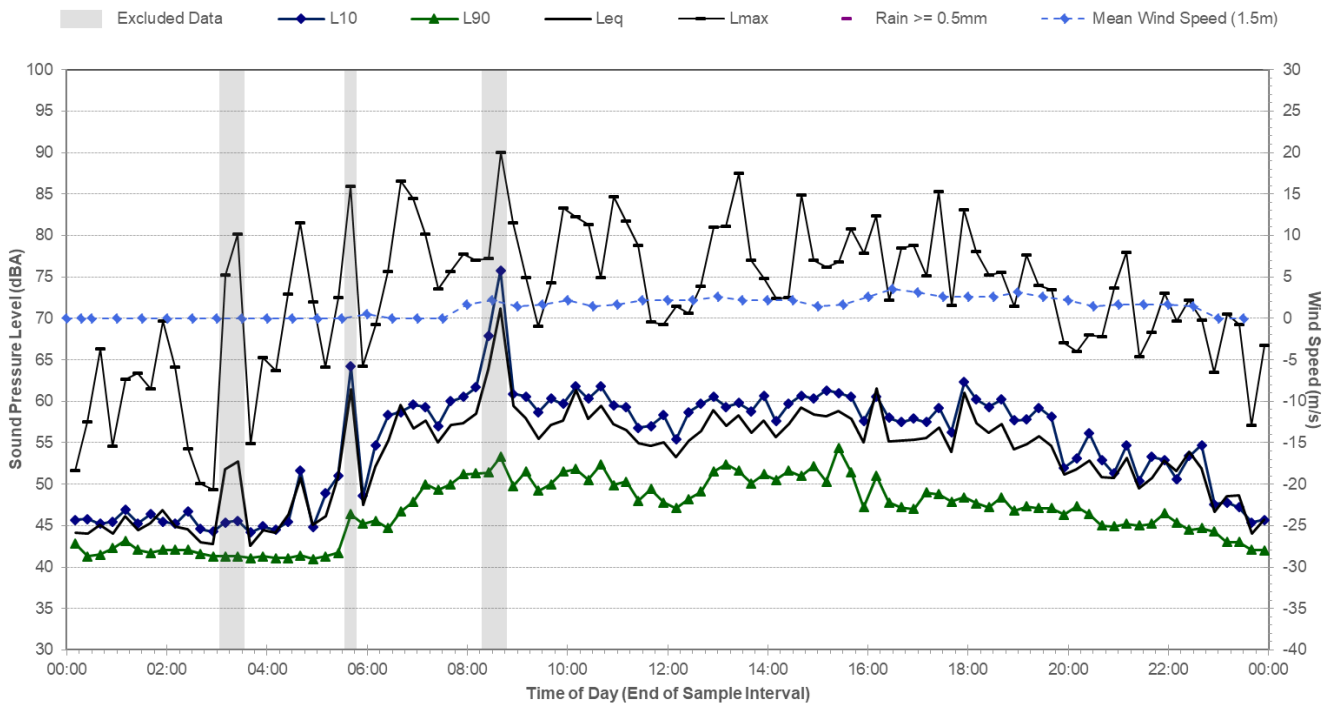
Statistical Ambient Noise Levels

14A Central Ave, Westmead - Monday, 25 February 2019



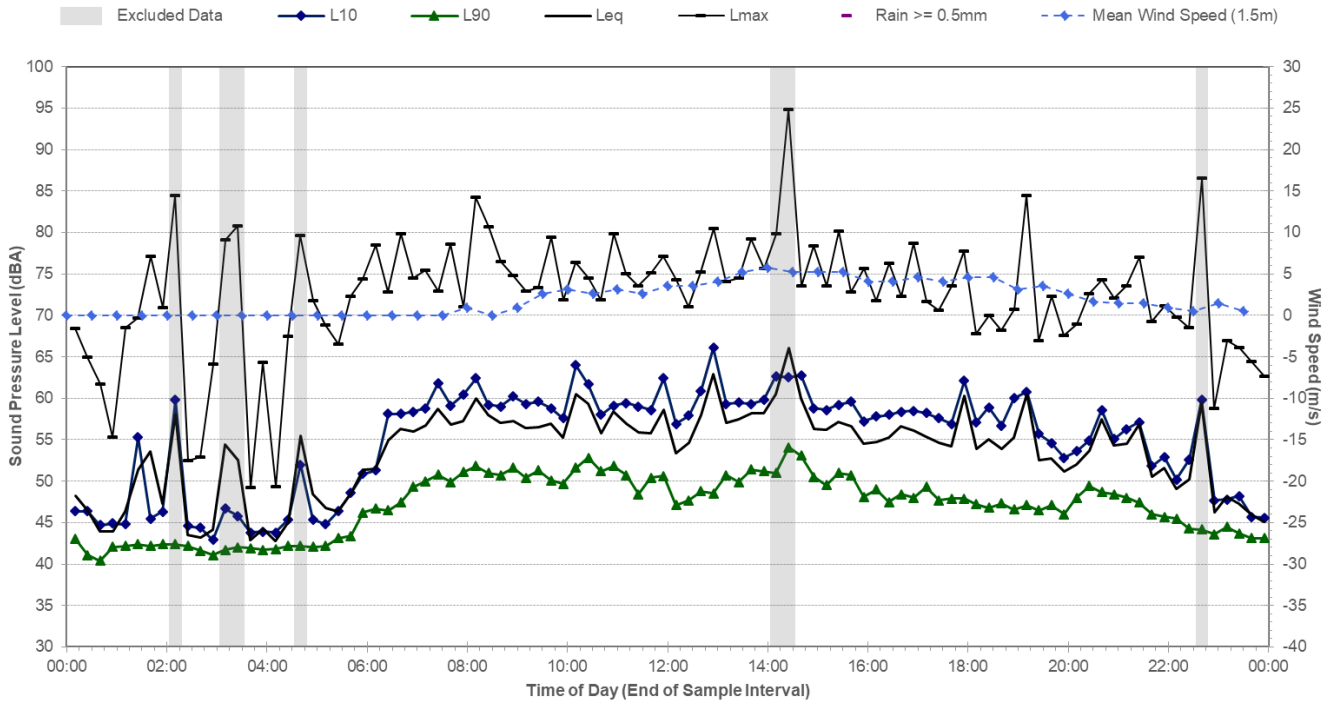
Statistical Ambient Noise Levels

14A Central Ave, Westmead - Tuesday, 26 February 2019



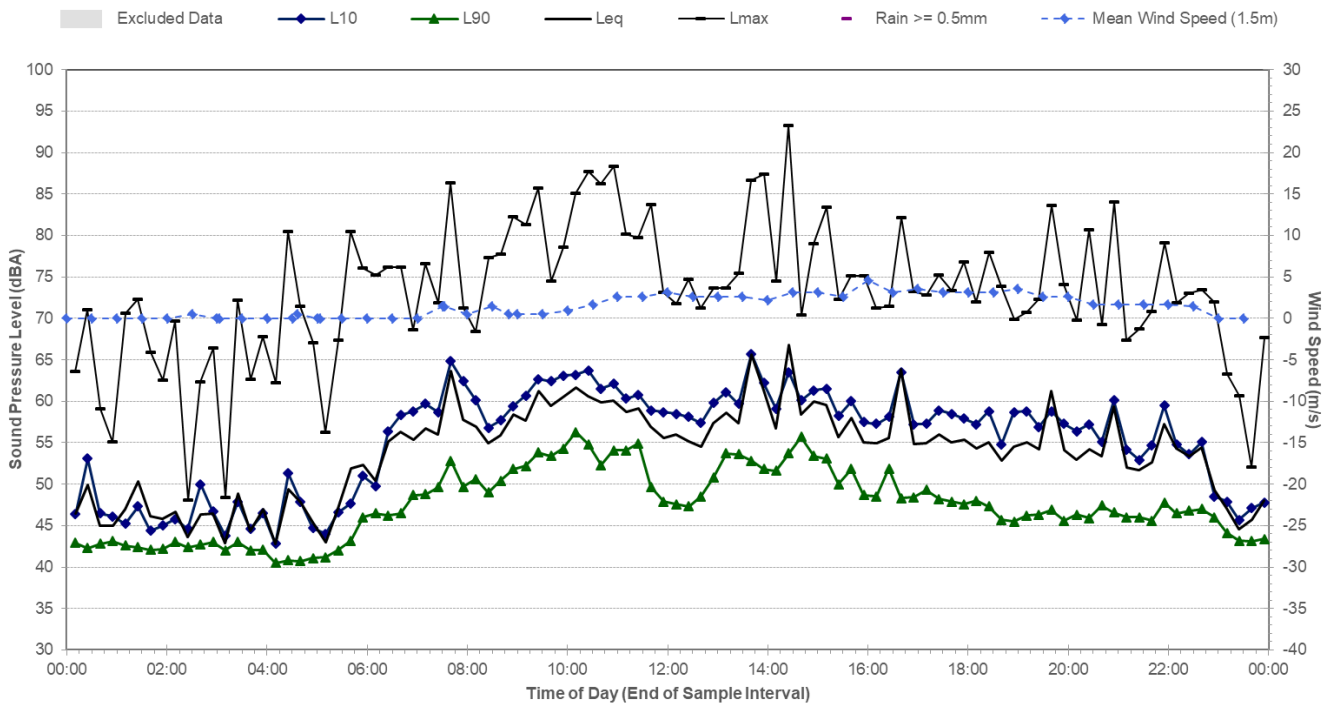
Statistical Ambient Noise Levels

14A Central Ave, Westmead - Wednesday, 27 February 2019

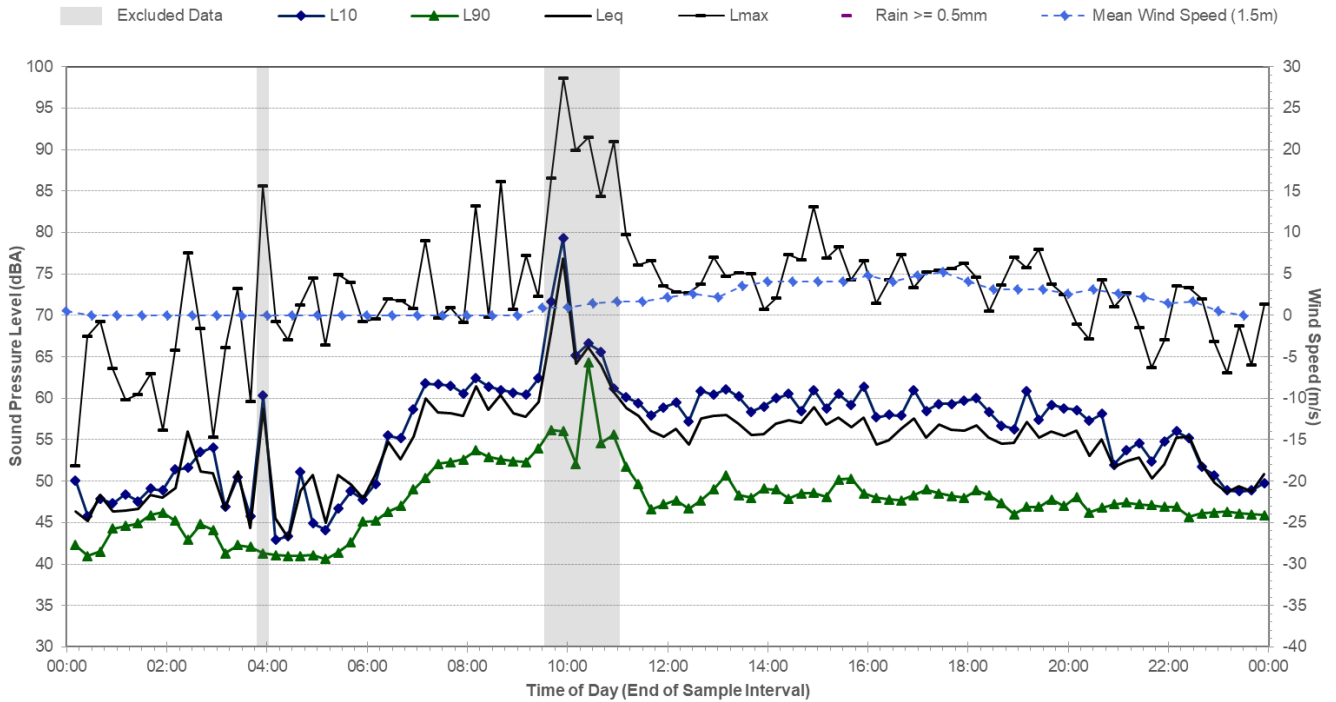


Statistical Ambient Noise Levels

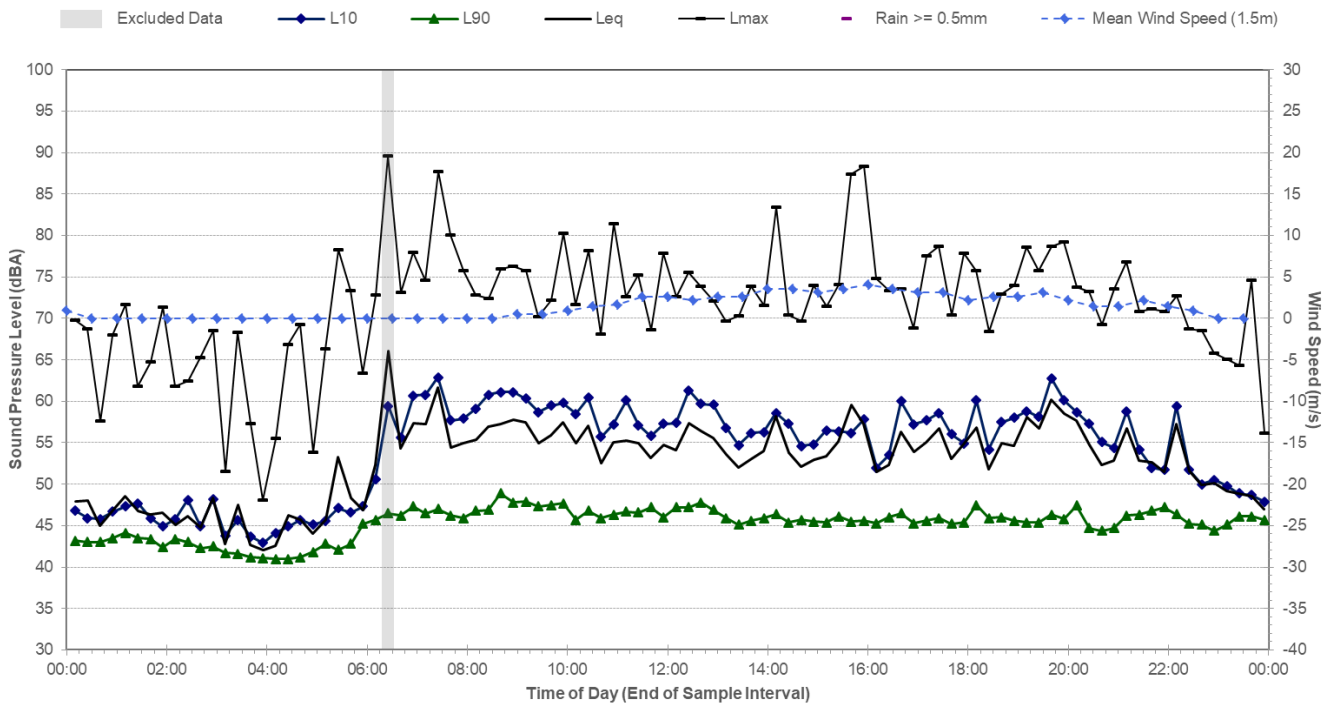
14A Central Ave, Westmead - Thursday, 28 February 2019



Statistical Ambient Noise Levels 14A Central Ave, Westmead - Friday, 1 March 2019

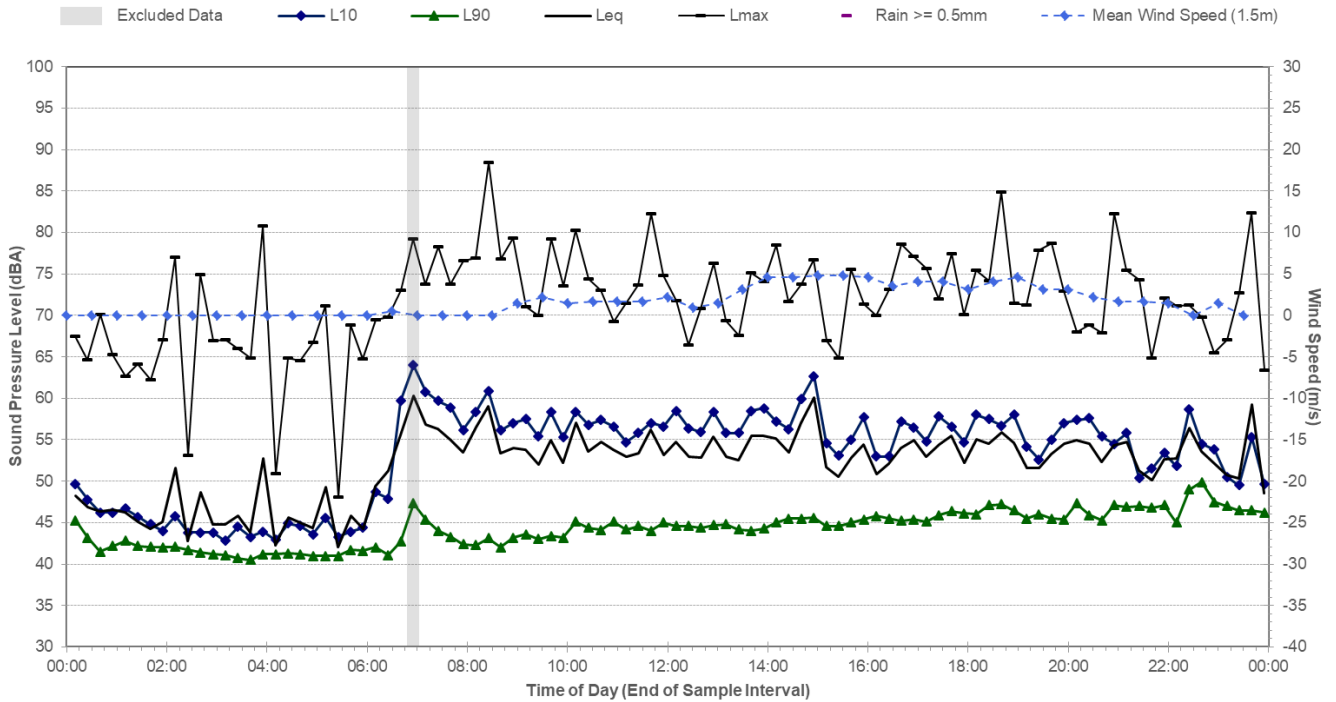


Statistical Ambient Noise Levels 14A Central Ave, Westmead - Saturday, 2 March 2019



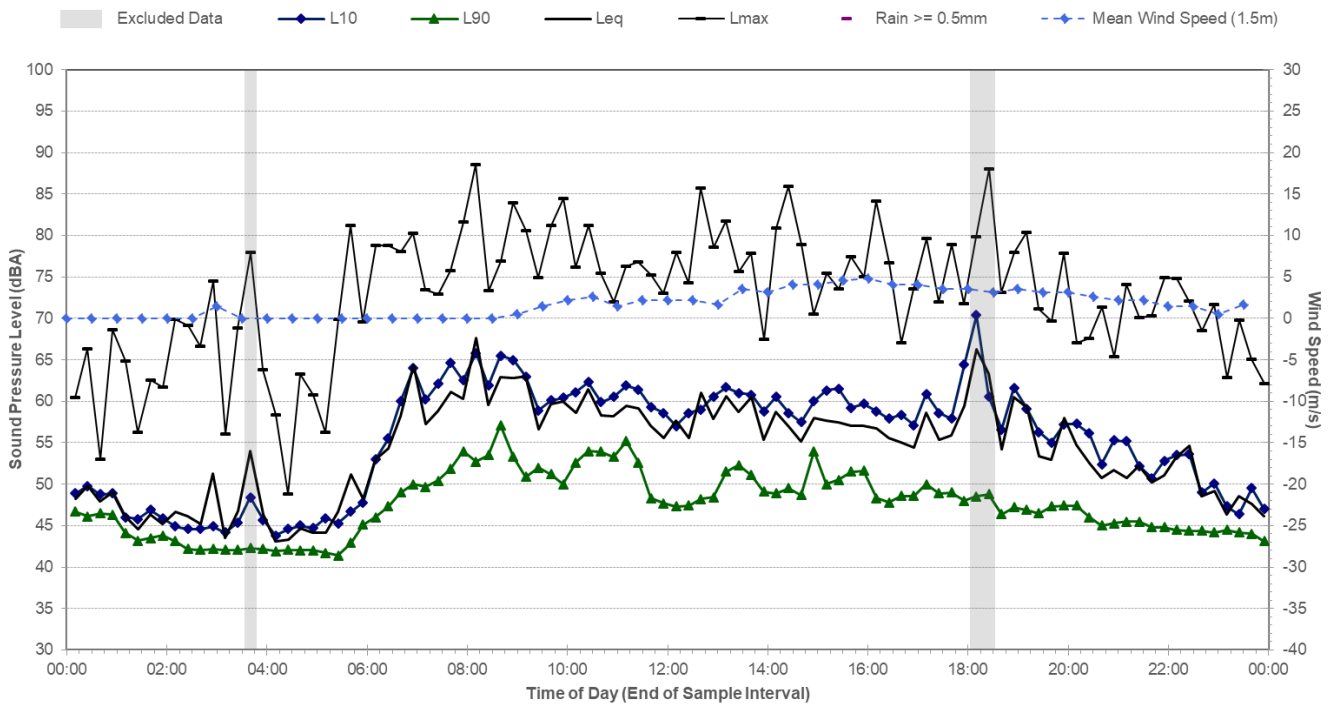
Statistical Ambient Noise Levels

14A Central Ave, Westmead - Sunday, 3 March 2019



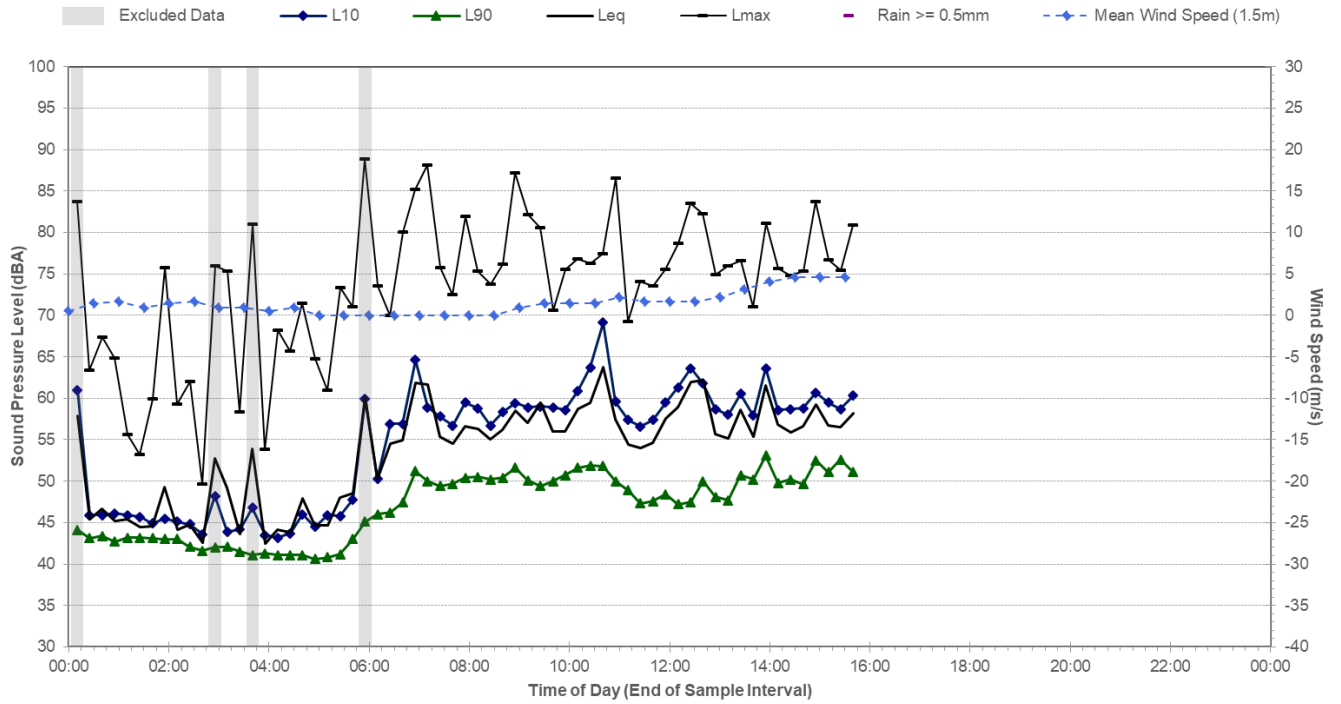
Statistical Ambient Noise Levels

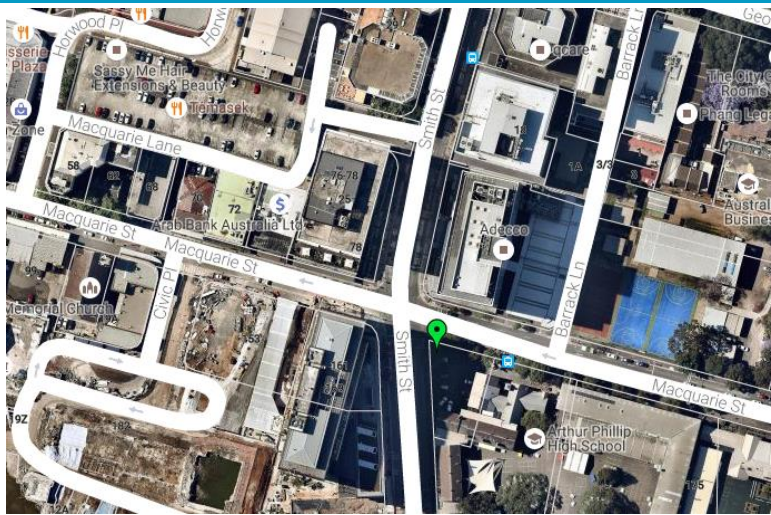
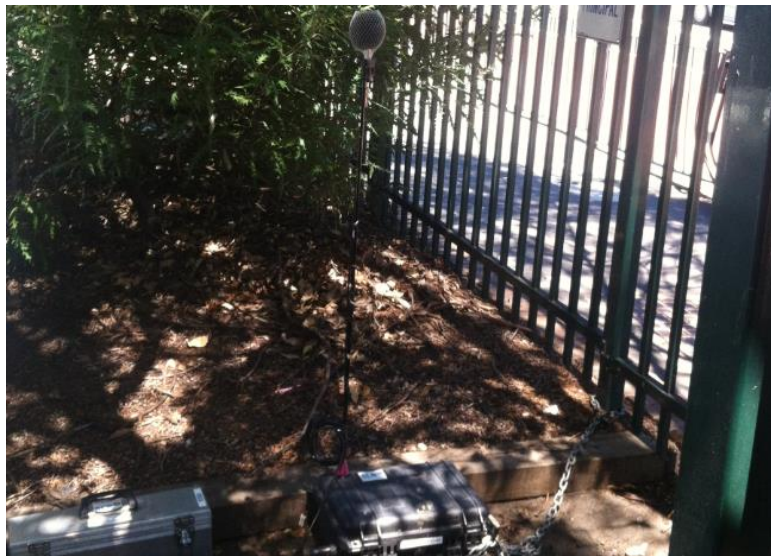
14A Central Ave, Westmead - Monday, 4 March 2019



Statistical Ambient Noise Levels

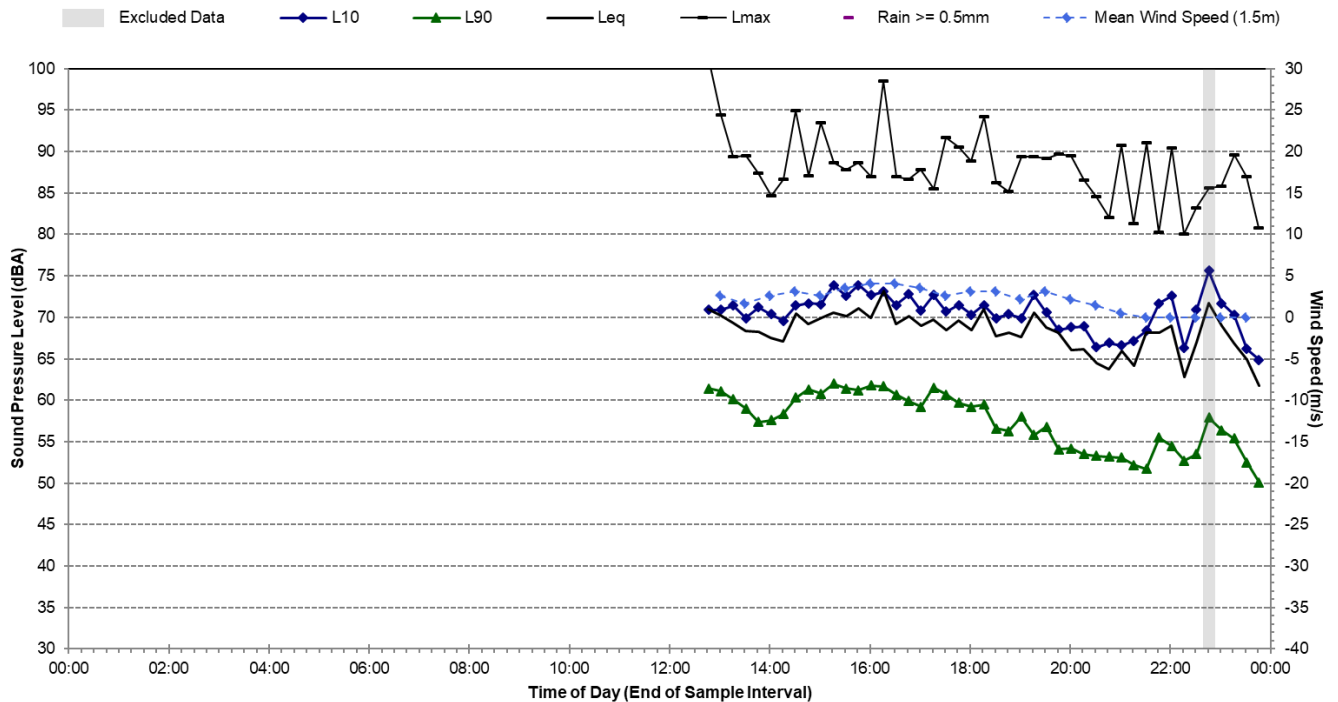
14A Central Ave, Westmead - Tuesday, 5 March 2019



Noise Monitoring Location		B.03				Map of Noise Monitoring Location	
Noise Monitoring Address		Arthur Phillip High School, Parramatta					
Logger Device Type: Svantek 957, Logger Serial No: 20644 Sound Level Meter Device Type: Brüel and Kjær 2260, Sound Level Meter Serial No: 2414605							
Ambient noise data obtained as part of the Stage 1 Parramatta Light Rail Project. Ambient noise logger located in the carpark of Arthur Phillip Highschool at the intersection of Macquarie Street and Smith Street, Parramatta.							
Attended noise measurements indicate the ambient noise environment at this location is dominated by road traffic noise from both Macquarie Street and Smith Street.							
Measured noise levels: (L _{Amax}): 25/10/2016: Light-vehicle traffic Macquarie Street/Smith Street: 60-75 dBA, Heavy-vehicle traffic Macquarie Street/Smith Street: 78-90 dBA							
Ambient Noise Logging Results		ICNG Defined Time Periods					
Monitoring Period (25/10/2016 – 03/11/2016)		Noise Level (dBA)					
	RBL	LAeq	L10	L1			
Daytime	58	69	71	79			
Evening	53	67	68	78			
Night-time	43	62	63	72			
Ambient Noise Logging Results		RNP Defined Time Periods					
Monitoring Period (25/10/2016 – 03/11/2016)		Noise Level (dBA)					
	LAeq(period)		LAeq(1hour)				
Daytime (7am-10pm)	68		70				
Night-time (10pm-7am)	62		69				
Attended Noise Measurement Results							
Date		Start Time	Measured Noise Level (dBA)				
			LA90	LAeq	L _{Amax}		
25/10/2016		12:45	61	70	90		

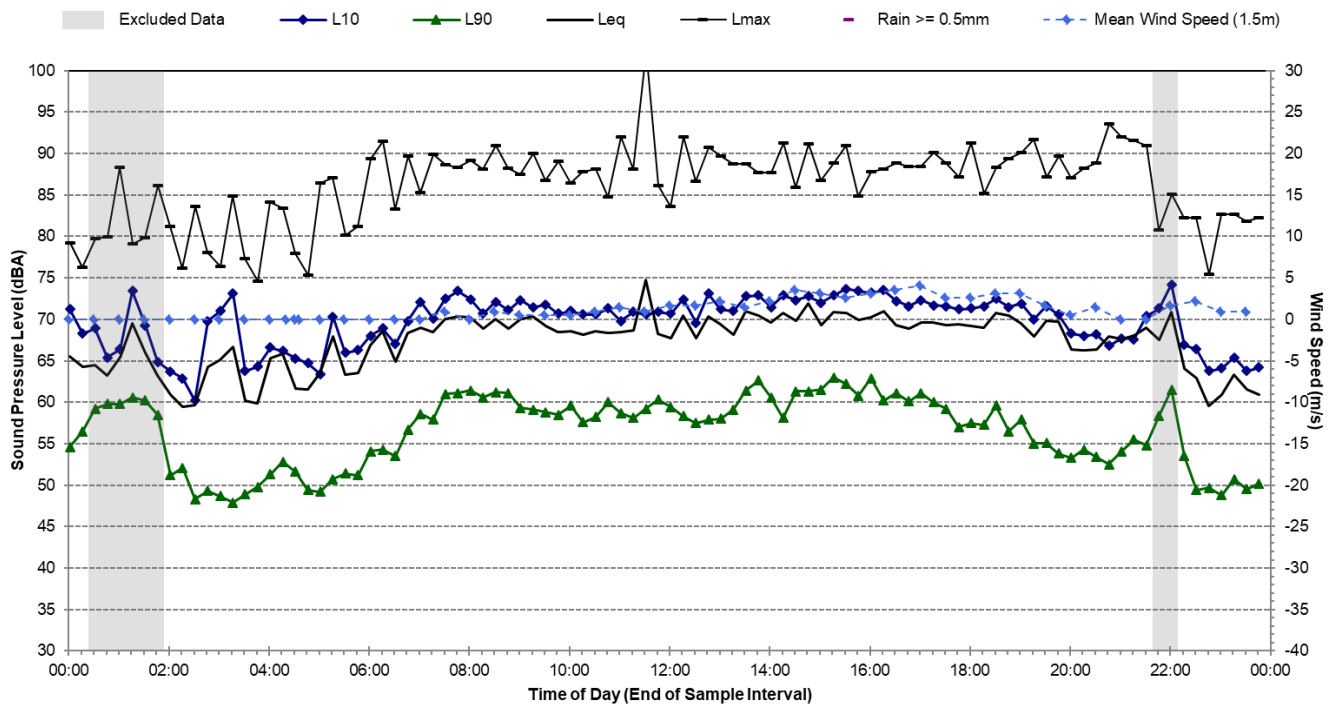
Statistical Ambient Noise Levels

Arthur Phillip High School, Parramatta - Tuesday, 25 October 2016



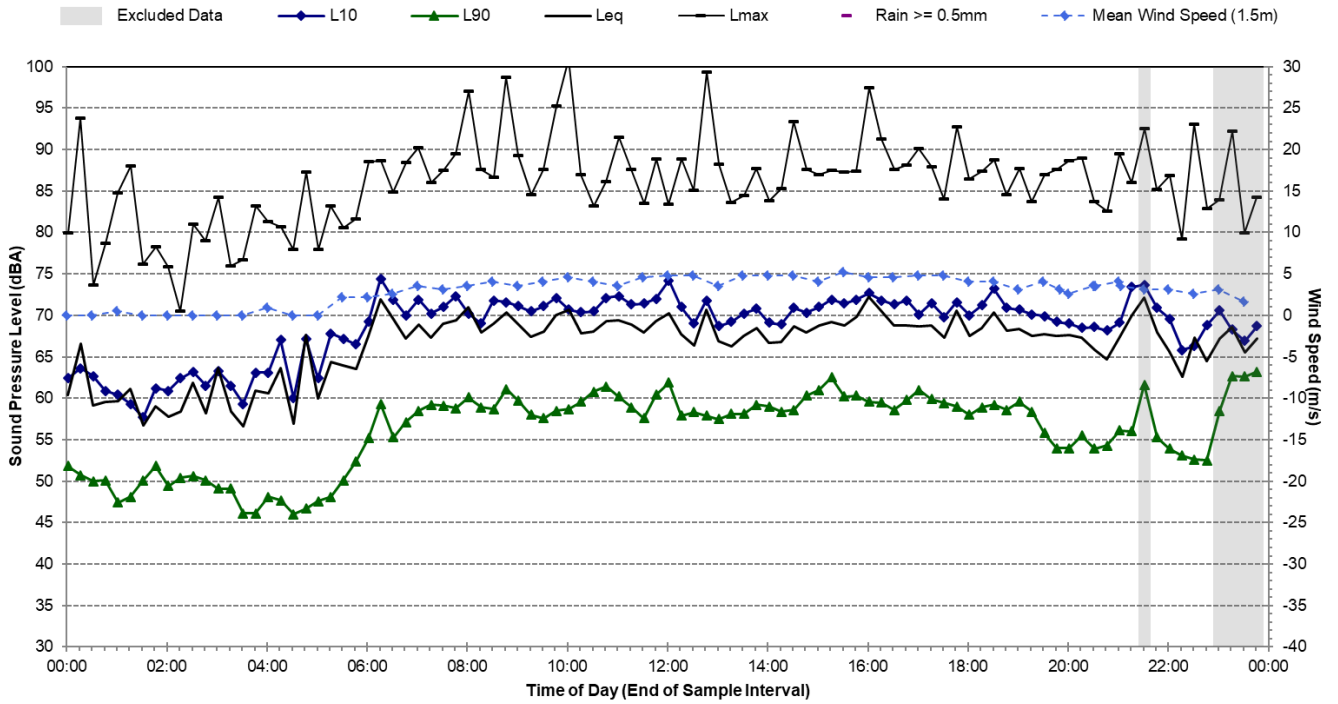
Statistical Ambient Noise Levels

Arthur Phillip High School, Parramatta - Wednesday, 26 October 2016



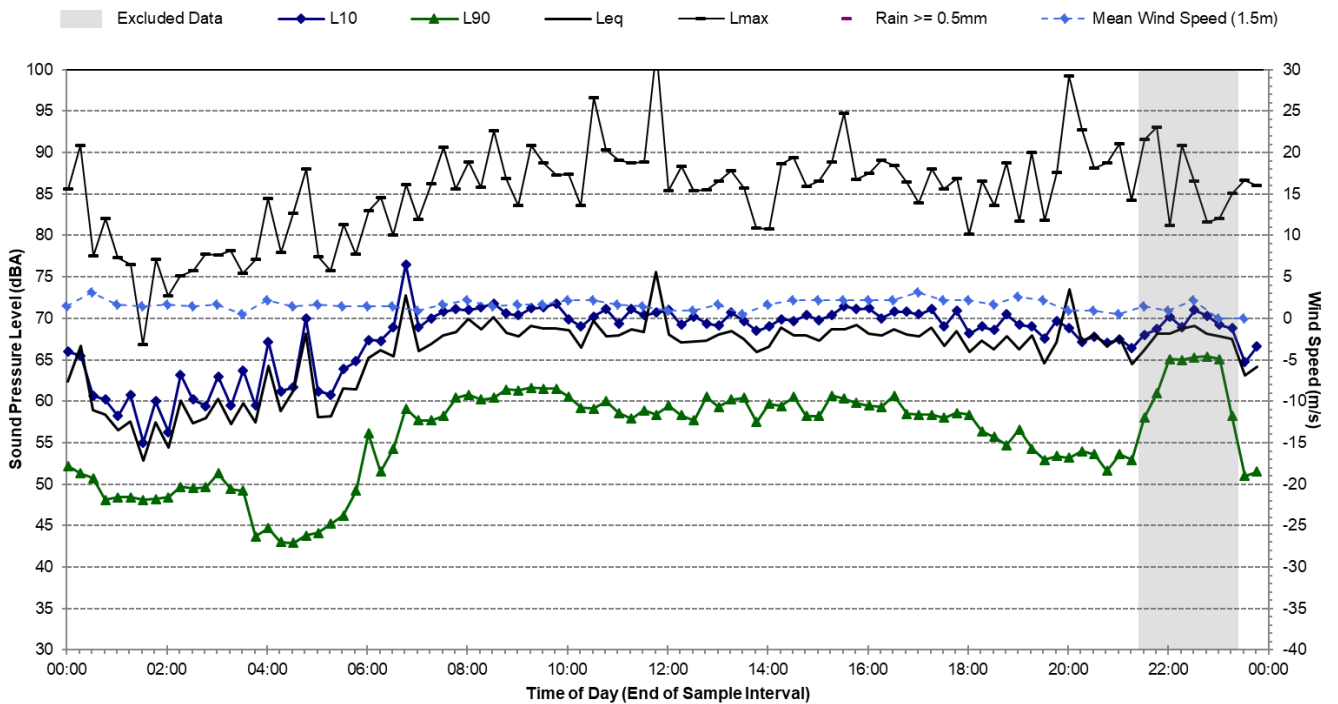
Statistical Ambient Noise Levels

Arthur Phillip High School, Parramatta - Thursday, 27 October 2016



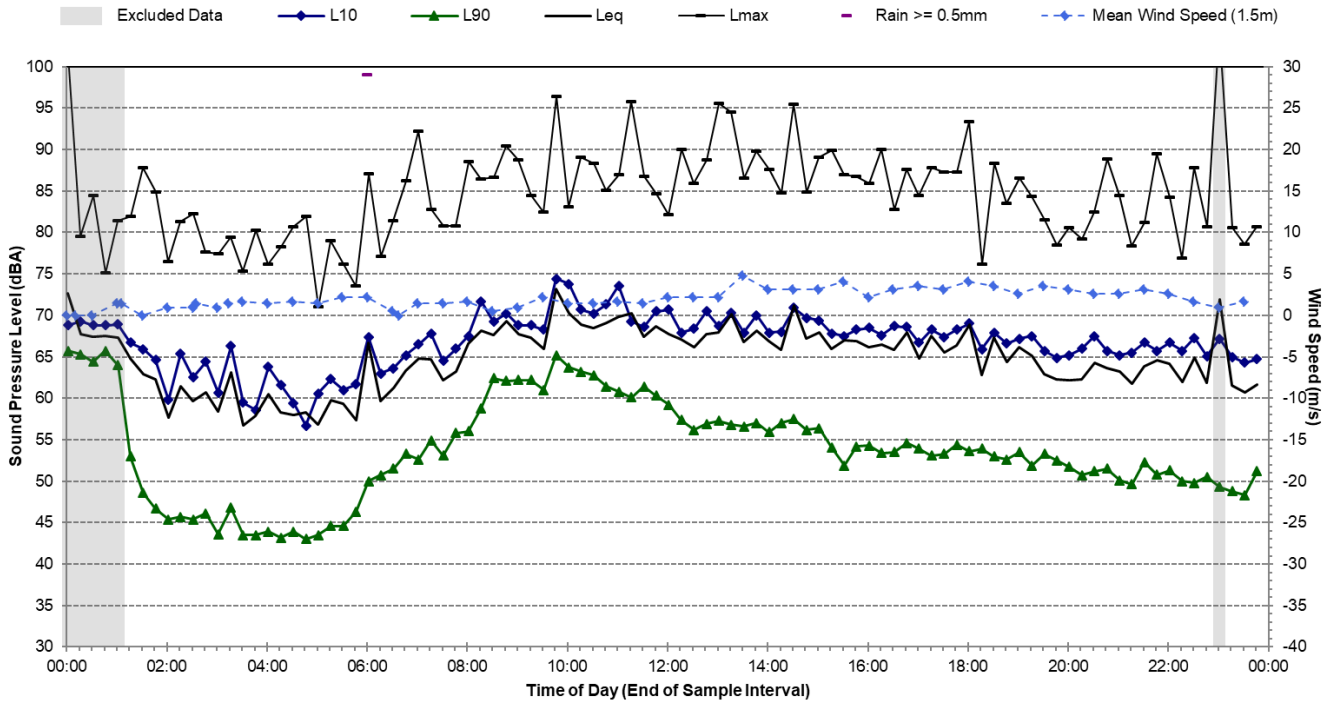
Statistical Ambient Noise Levels

Arthur Phillip High School, Parramatta - Friday, 28 October 2016



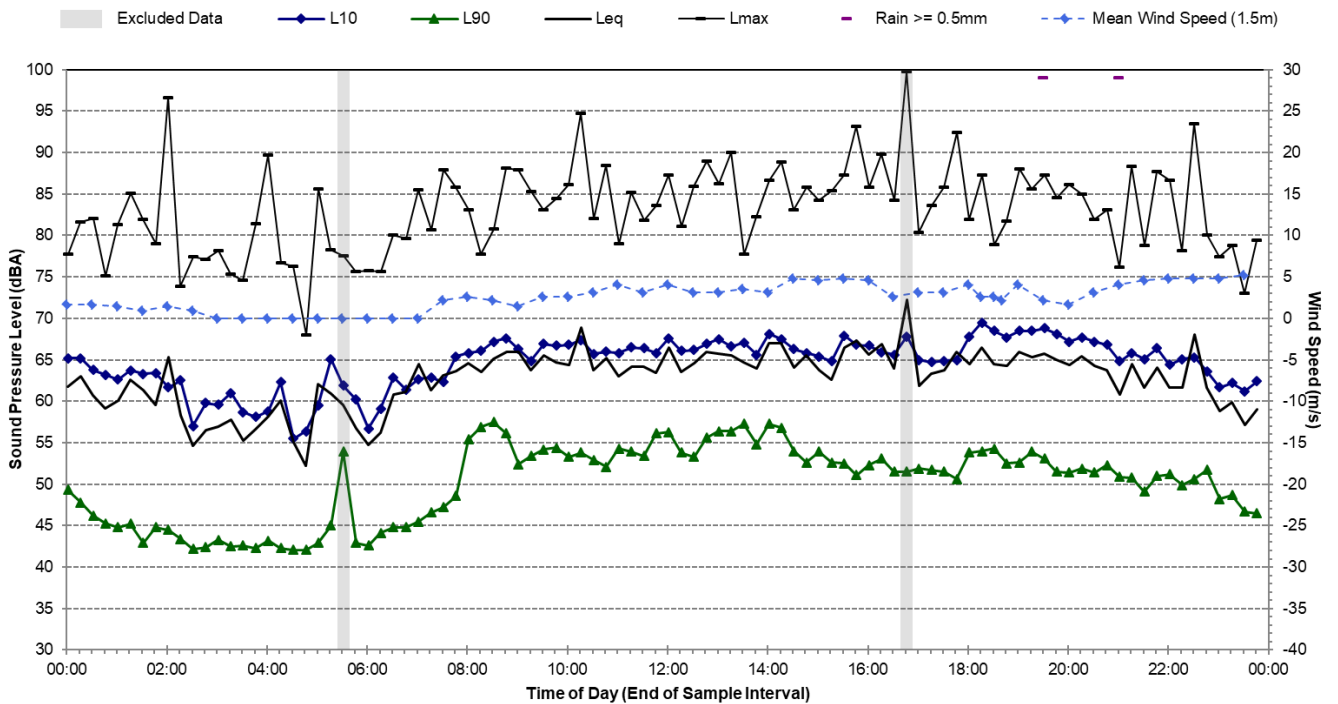
Statistical Ambient Noise Levels

Arthur Phillip High School, Parramatta - Saturday, 29 October 2016



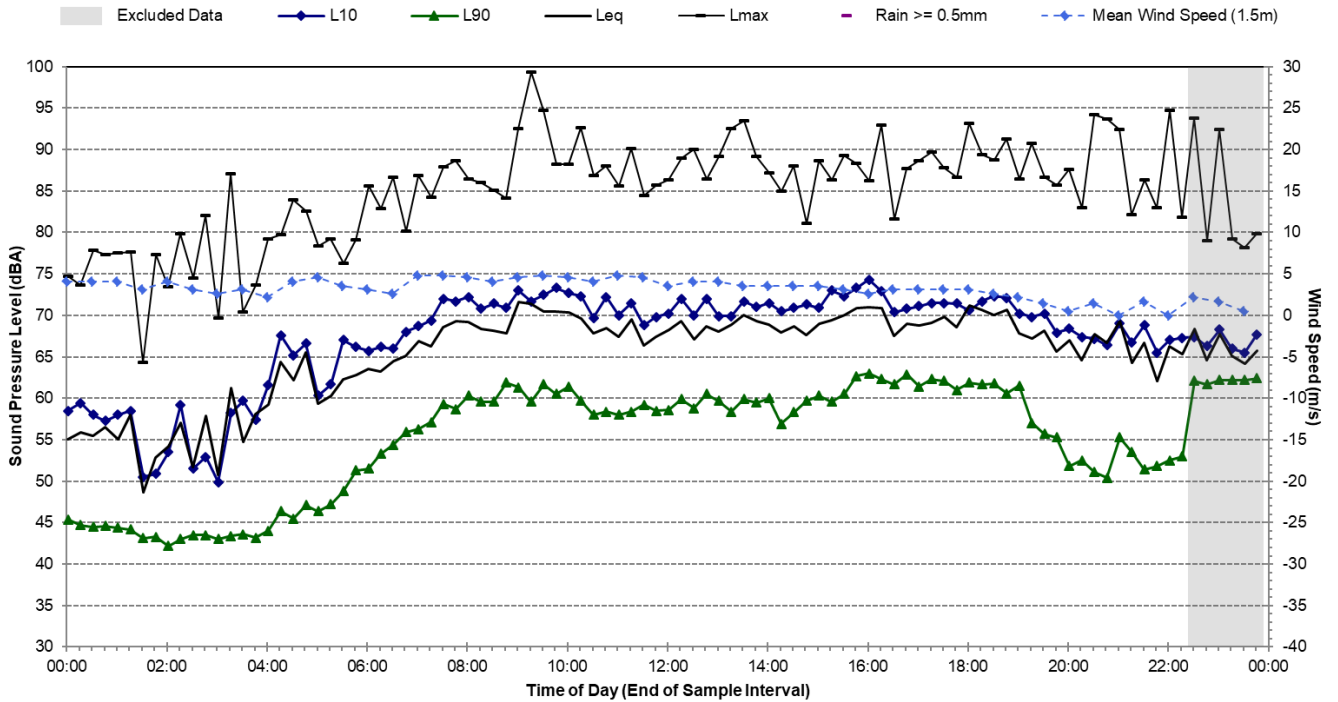
Statistical Ambient Noise Levels

Arthur Phillip High School, Parramatta - Sunday, 30 October 2016



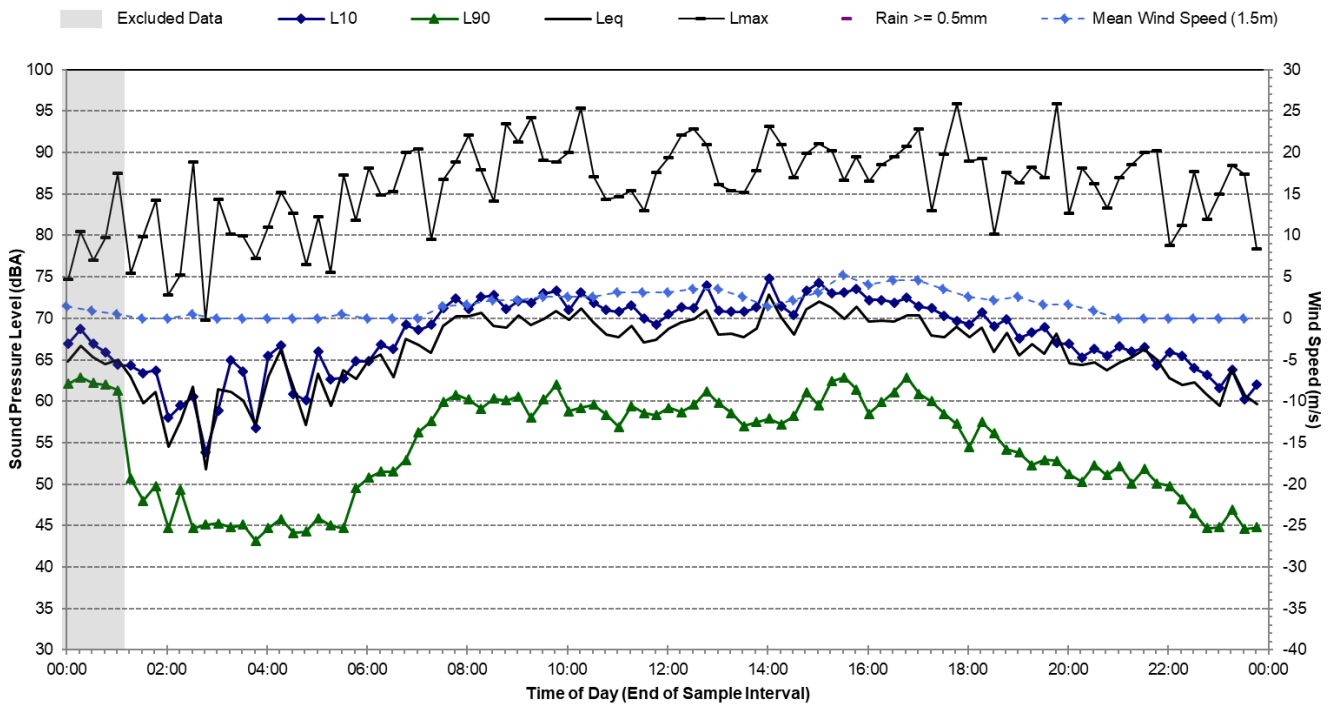
Statistical Ambient Noise Levels

Arthur Phillip High School, Parramatta - Monday, 31 October 2016



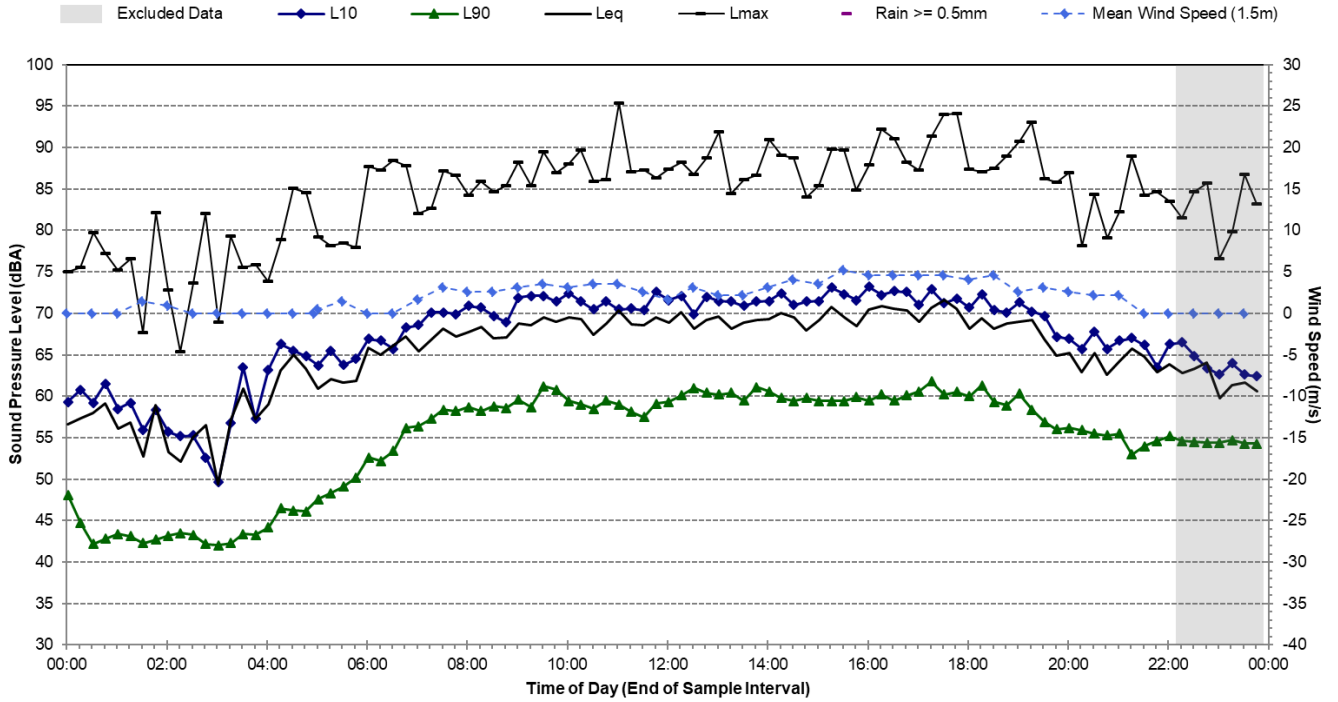
Statistical Ambient Noise Levels

Arthur Phillip High School, Parramatta - Tuesday, 1 November 2016



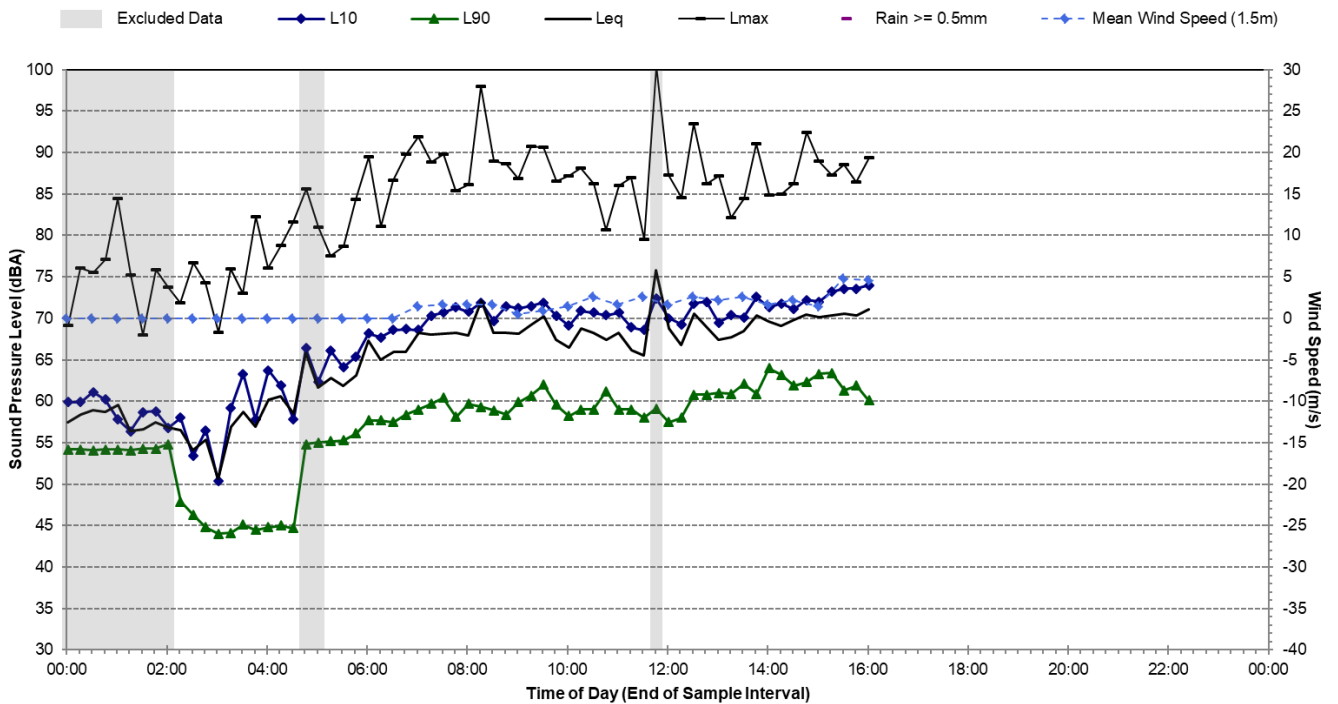
Statistical Ambient Noise Levels

Arthur Phillip High School, Parramatta - Wednesday, 2 November 2016




Statistical Ambient Noise Levels

Arthur Phillip High School, Parramatta - Thursday, 3 November 2016

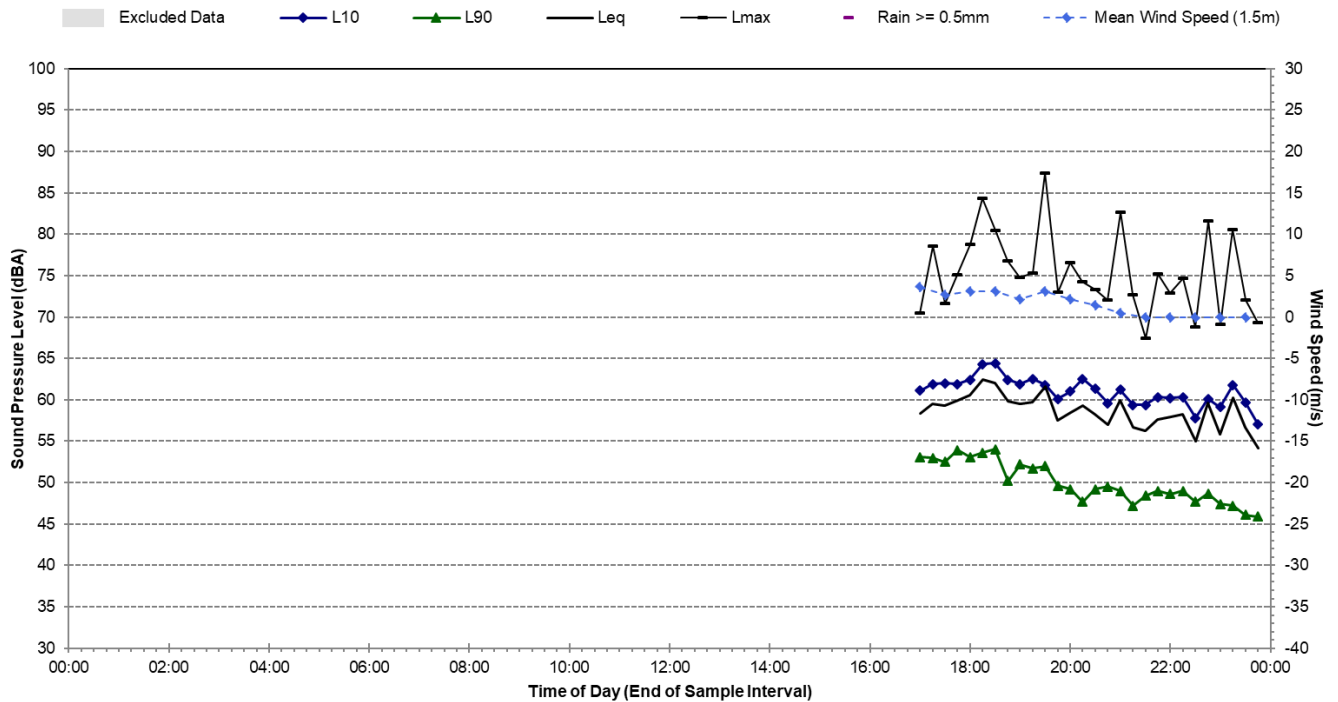


Noise Monitoring Location	B.04				Map of Noise Monitoring Location
Noise Monitoring Address	5 Hope St, Rosehill				
Logger Device Type: ARL 316, Logger Serial No: 16-306-047 Sound Level Meter Device Type: Brüel and Kjær 2260, Sound Level Meter Serial No: 2414604					
Ambient noise data obtained as part of the Stage 1 Parramatta Light Rail Project. Ambient noise logger located in the front garden of 5 Hope Street, Rosehill.					
Attended noise measurements indicate the ambient noise environment at this location is dominated by road traffic noise from James Ruse Drive.					
Measured noise levels: (LAmax): 25/10/2016: Light-vehicle traffic Victoria Road: 58-62 dBA, Heavy-vehicle traffic Victoria Road: 60-71 dBA					
Ambient Noise Logging Results ICNG Defined Time Periods					
Monitoring Period (25/10/2016 – 03/11/2016)	Noise Level (dBA)				
	RBL	LAeq	L10	L1	
	Daytime	51	61	63	69
	Evening	48	58	60	66
	Night-time	41	57	58	65
Ambient Noise Logging Results RNP Defined Time Periods					
Monitoring Period (25/10/2016 – 03/11/2016)	Noise Level (dBA)				
	LAeq(period)			LAeq(1hour)	
	Daytime (7am-10pm)			61	
Night-time (10pm-7am)			57		
Attended Noise Measurement Results					
Date	Start Time	Measured Noise Level (dBA)			
		LA90	LAeq	LAmaz	
25/10/2016	16:32	52	59	71	

Photo of Noise Monitoring Location


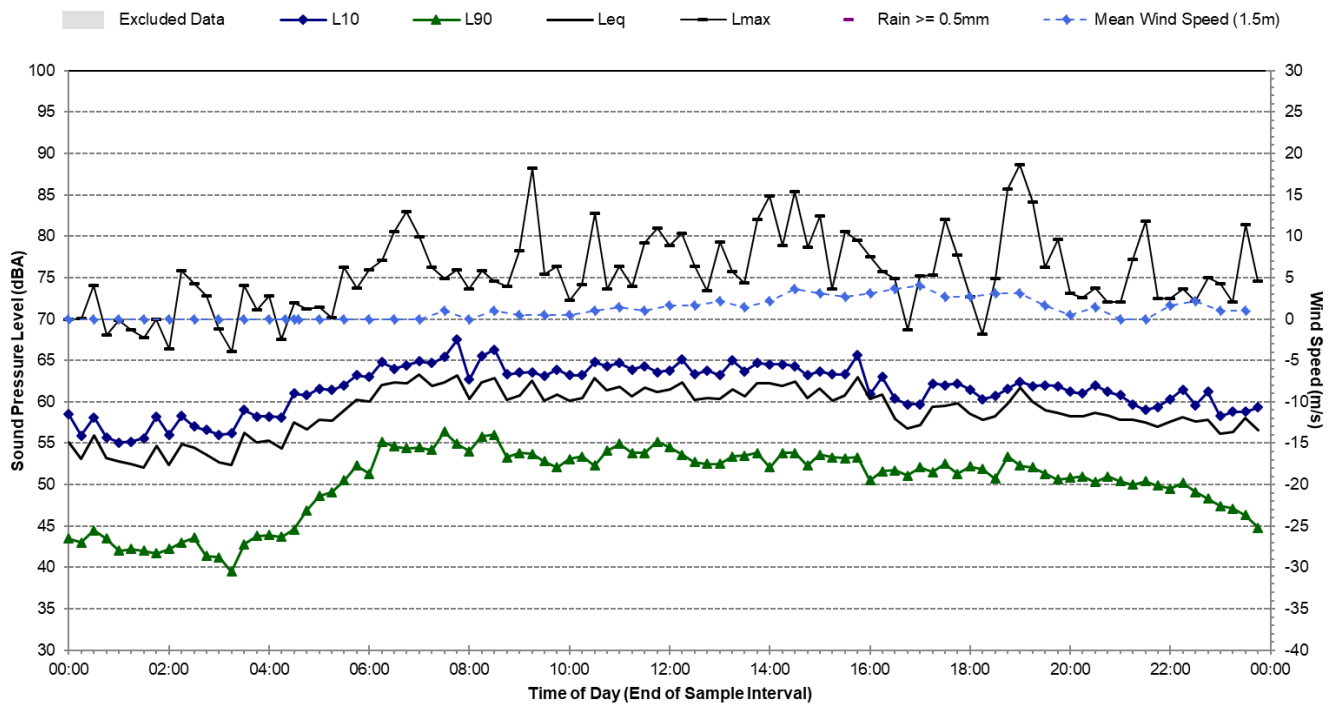
Statistical Ambient Noise Levels

5 Hope St, Rosehill - Tuesday, 25 October 2016



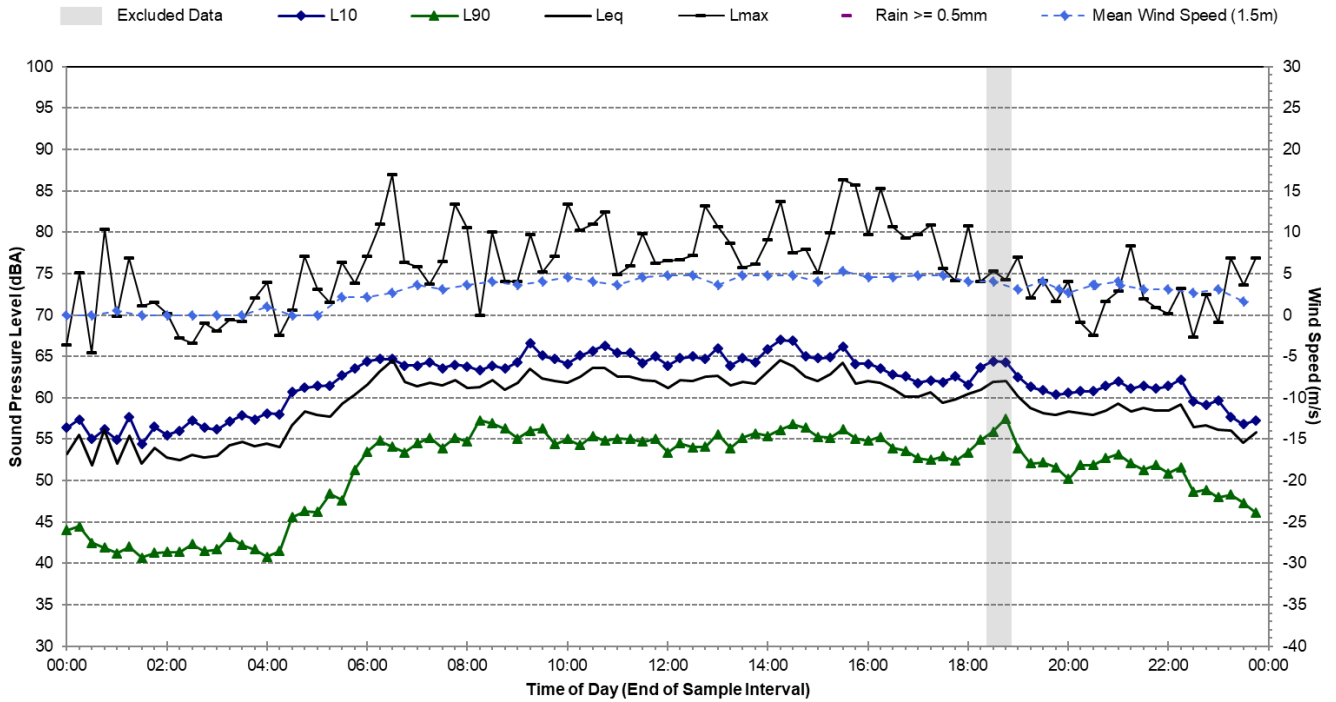
Statistical Ambient Noise Levels

5 Hope St, Rosehill - Wednesday, 26 October 2016



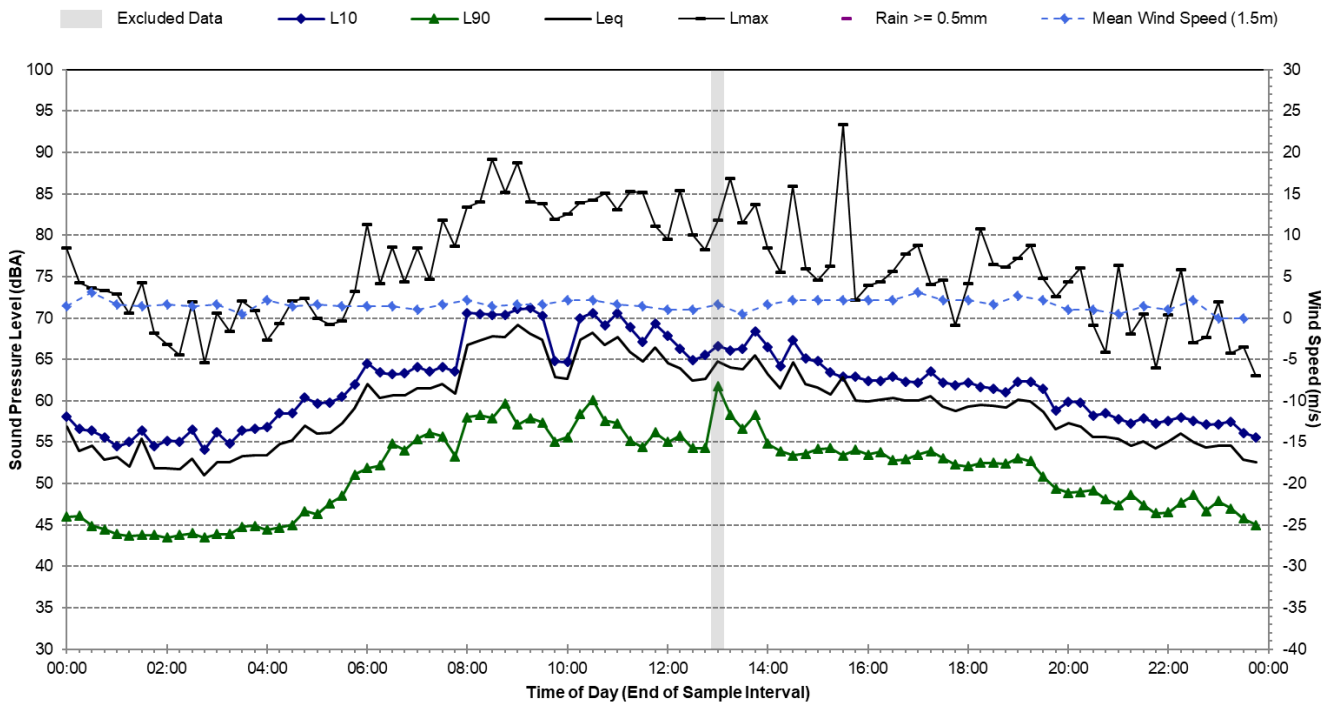
Statistical Ambient Noise Levels

5 Hope St, Rosehill - Thursday, 27 October 2016



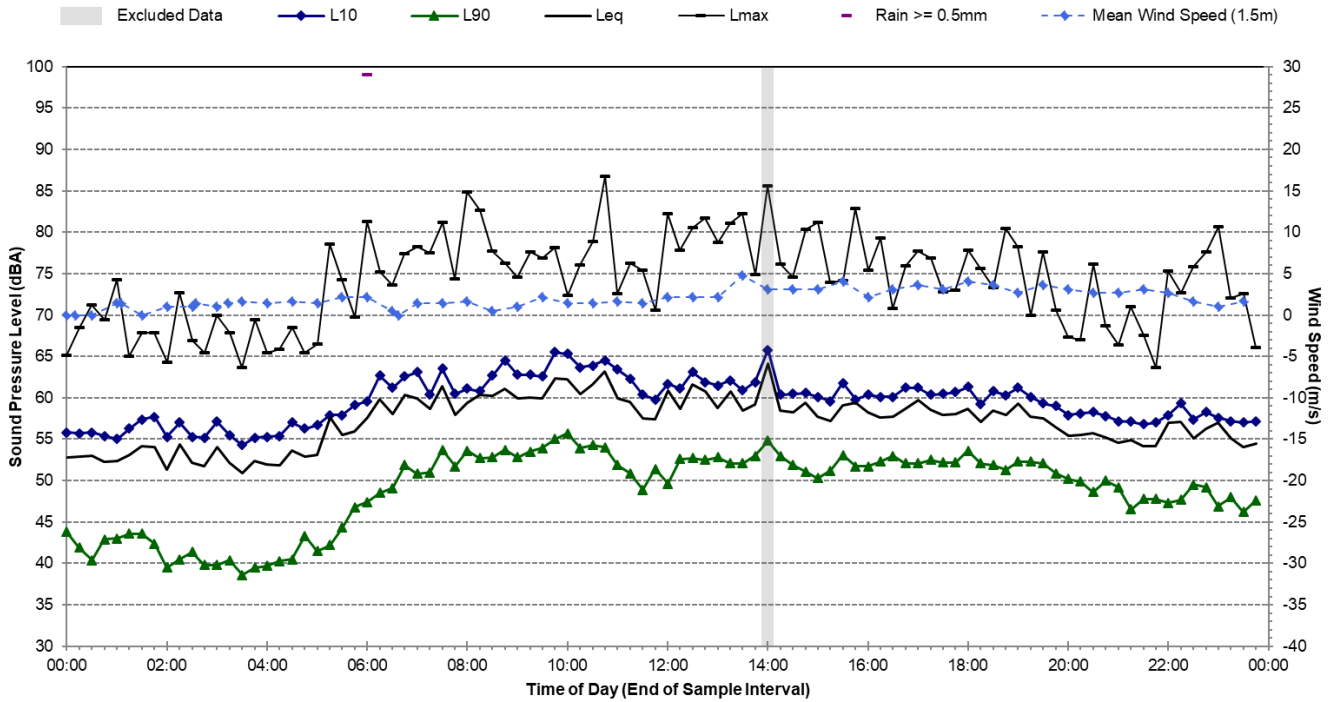
Statistical Ambient Noise Levels

5 Hope St, Rosehill - Friday, 28 October 2016



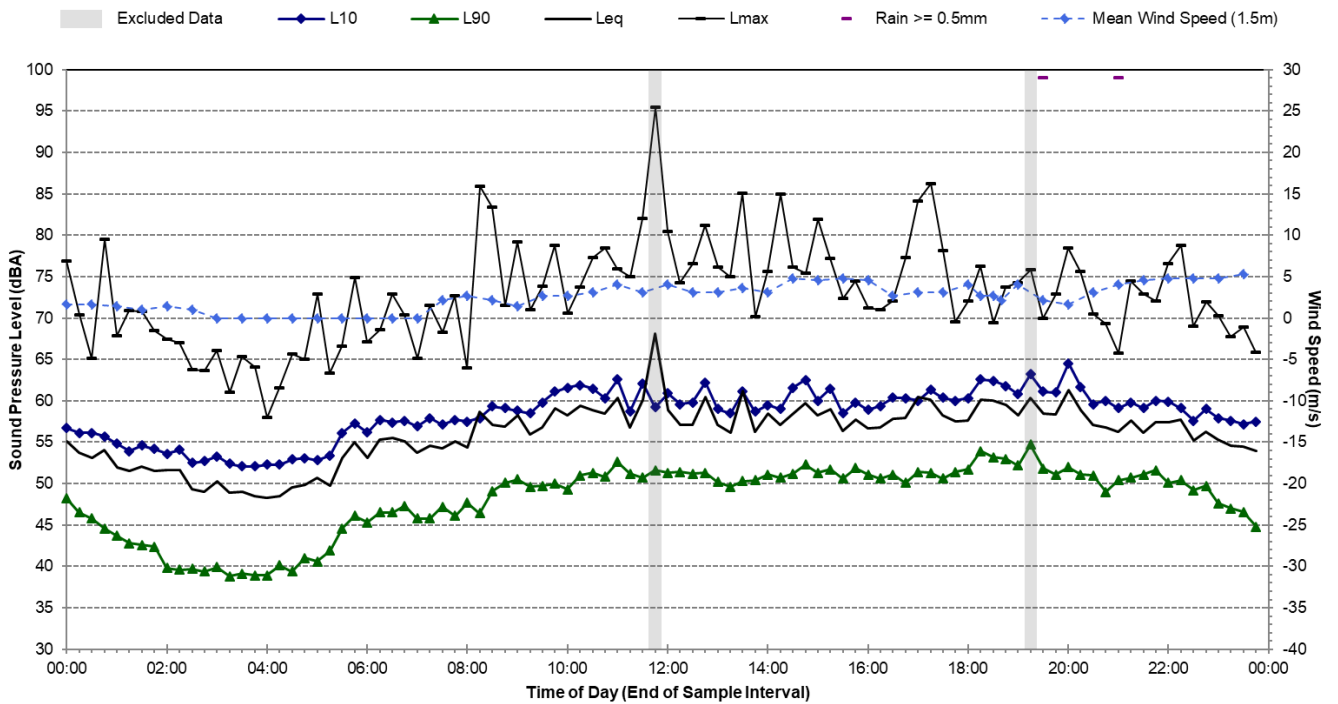
Statistical Ambient Noise Levels

5 Hope St, Rosehill - Saturday, 29 October 2016



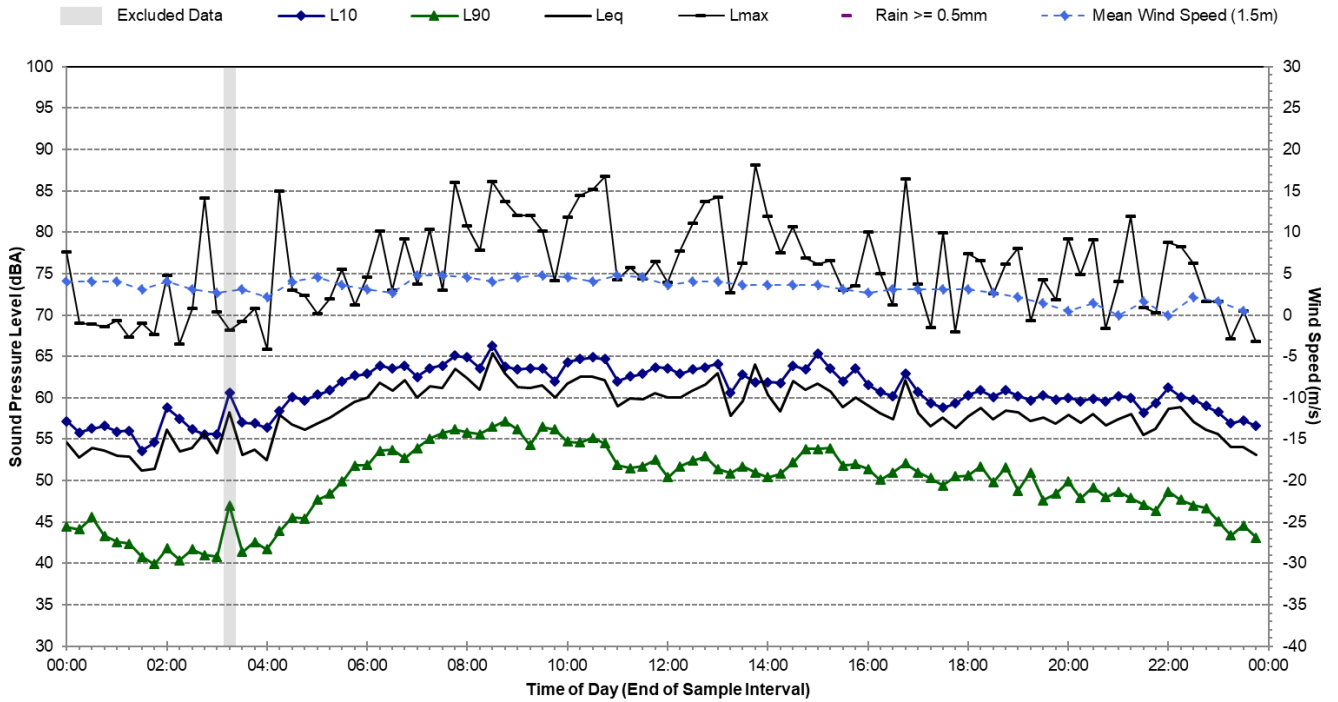
Statistical Ambient Noise Levels

5 Hope St, Rosehill - Sunday, 30 October 2016



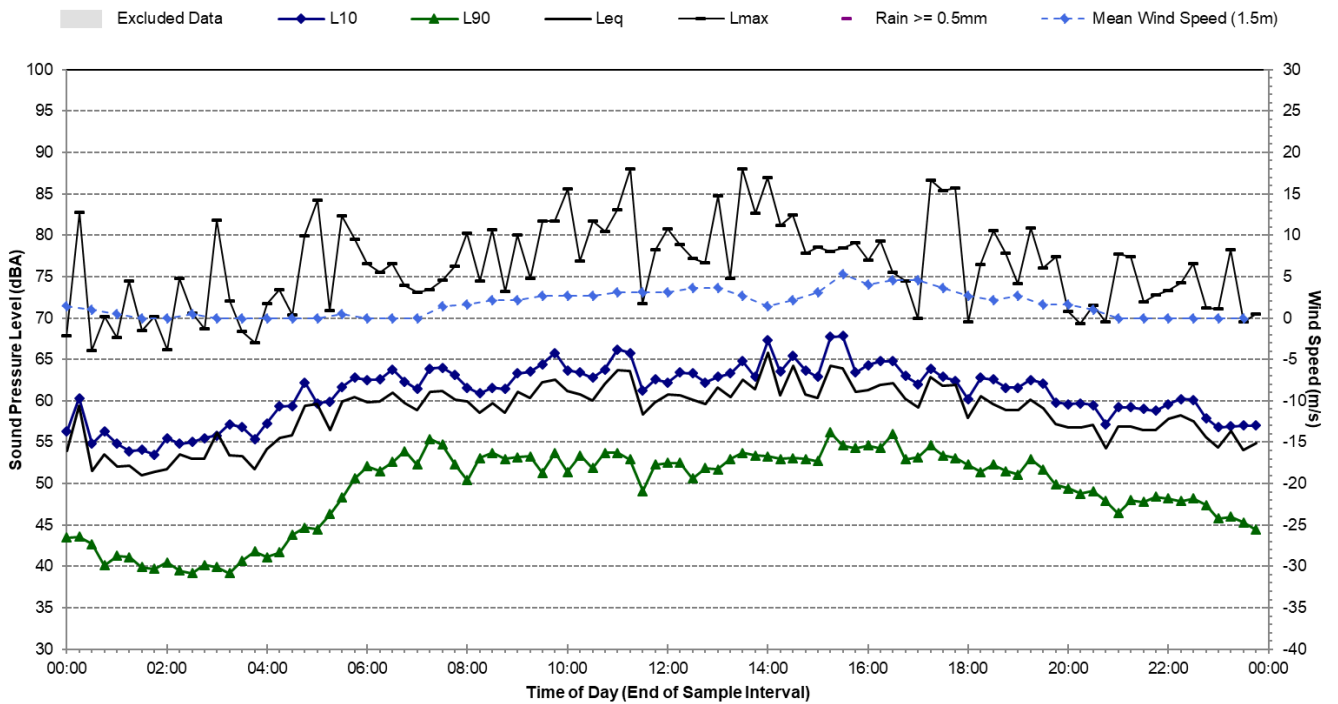
Statistical Ambient Noise Levels

5 Hope St, Rosehill - Monday, 31 October 2016



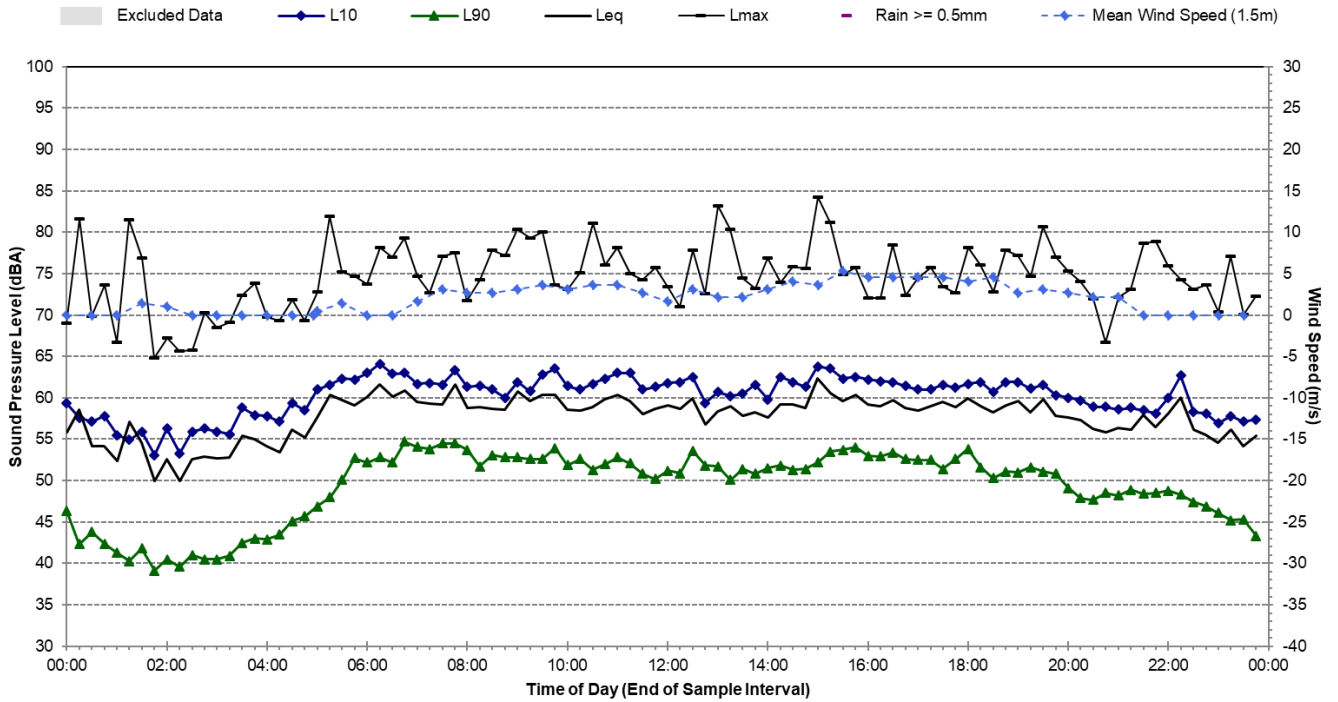
Statistical Ambient Noise Levels

5 Hope St, Rosehill - Tuesday, 1 November 2016



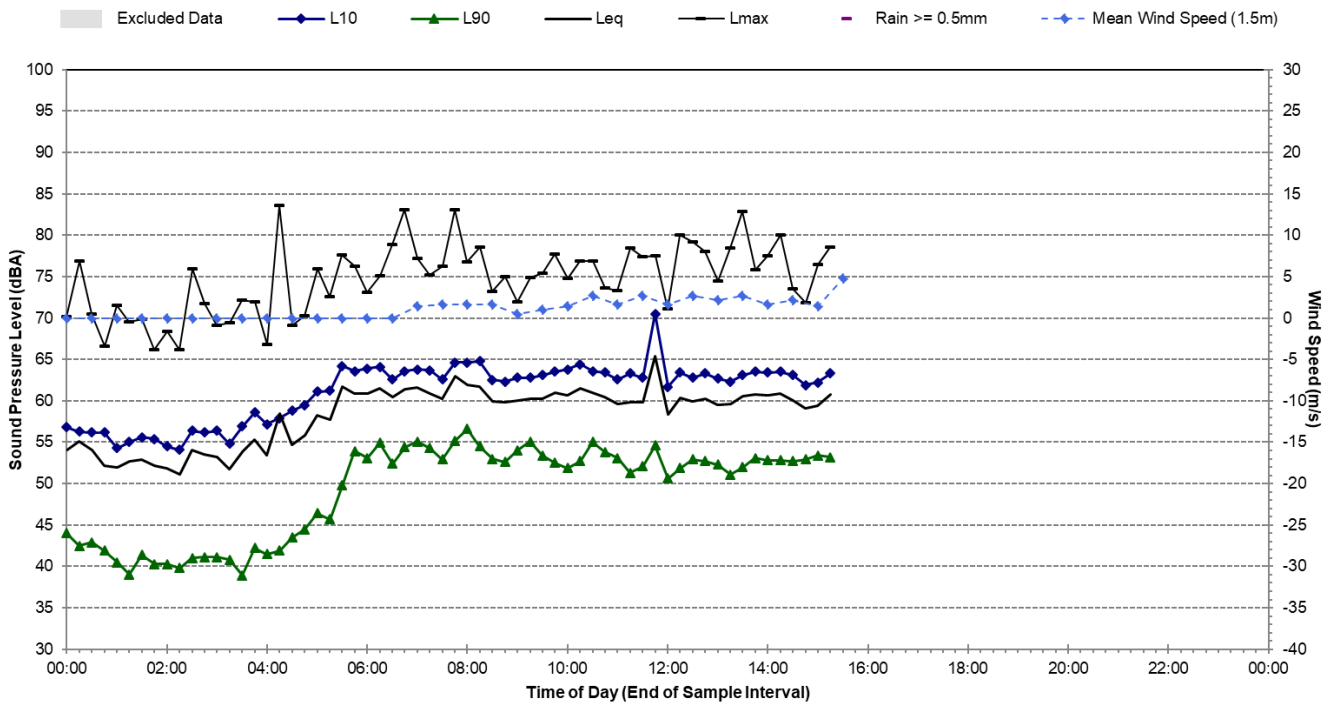
Statistical Ambient Noise Levels



5 Hope St, Rosehill - Wednesday, 2 November 2016



Statistical Ambient Noise Levels

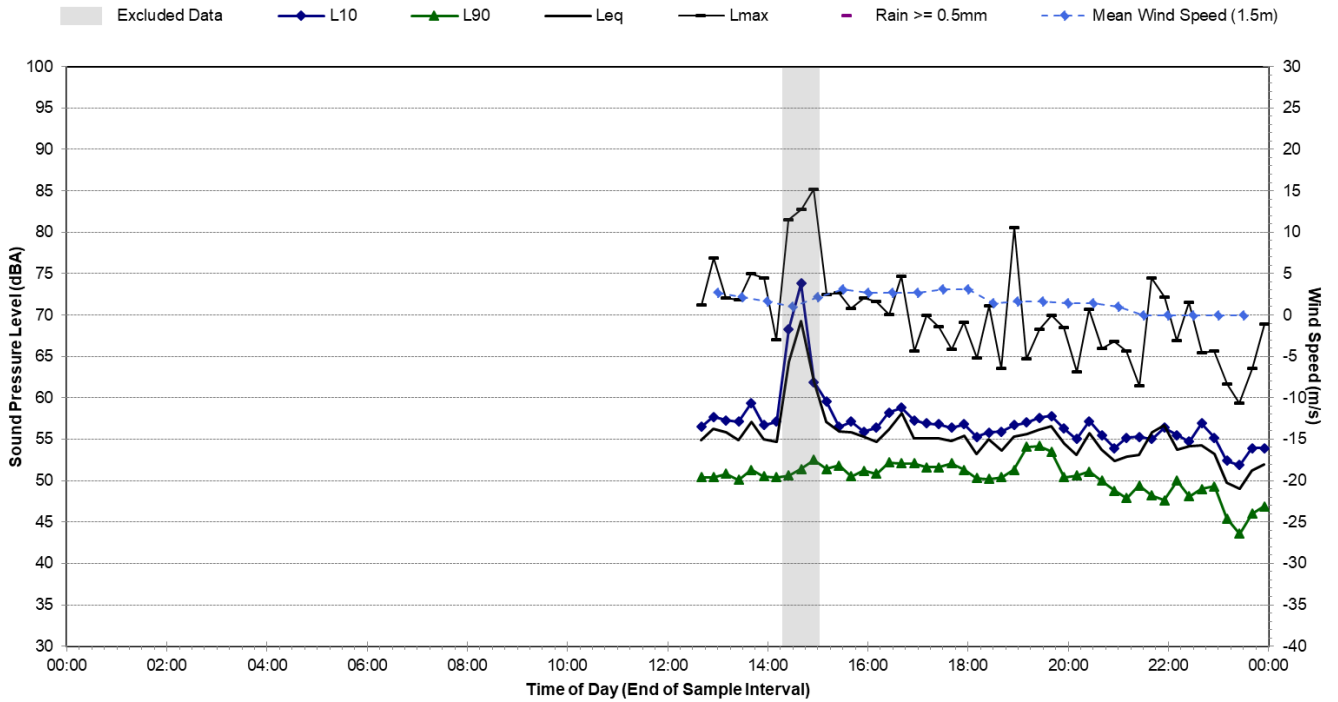
5 Hope St, Rosehill - Thursday, 3 November 2016



Noise Monitoring Location		B.05				Map of Noise Monitoring Location	
Noise Monitoring Address		9 A'Beckett Street, Granville					
Logger Device Type: Svantek 957, Logger Serial No: 23247 Sound Level Meter Device Type: Brüel and Kjær 2260, Sound Level Meter Serial No: 2487418							
Ambient noise data obtained as part of the M4 Widening Project. The ambient noise logger was located at 9 A'Beckett Street, Granville..							
Attended noise measurements indicate the ambient noise environment at this location is dominated by road traffic noise from the elevated M4 Motorway to the south and James Ruse Drive to the east.							
Measured noise levels (LAmax): 05/04/2018: Light-vehicle traffic on M4 Motorway: 50-53 dBA, Heavy-vehicle traffic on M4 Motorway: 55-61 dBA, Birds 50-75 dBA							
Ambient Noise Logging Results ICNG Defined Time Periods							
Monitoring Period (05/04/2018 – 16/04/2018)		Noise Level (dBA)					
	RBL	LAeq	L10	L1			
Daytime	50	56	57	63			
Evening	49	55	56	62			
Night-time	45	53	53	58			
Ambient Noise Logging Results RNP Defined Time Periods							
Monitoring Period (05/04/2018 – 16/04/2018)		Noise Level (dBA)					
	LAeq(period)		LAeq(1hour)				
Daytime (7am-10pm)	56		57				
Night-time (10pm-7am)	53		57				
Attended Noise Measurement Results							
Date		Start Time	Measured Noise Level (dBA)				
			LA90	LAeq	LAmaz		
05/04/2018		12:14	50	55	75		

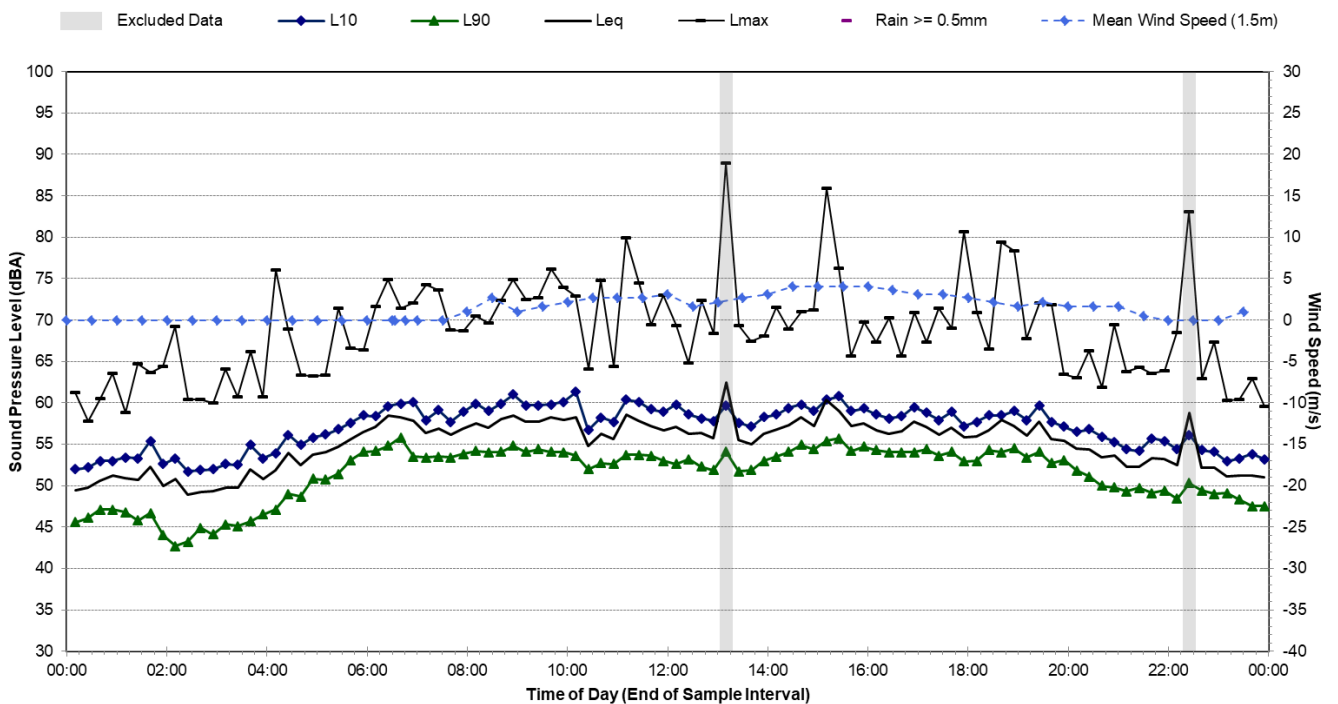
Statistical Ambient Noise Levels

9 A'Beckett St, Granville - Thursday, 5 April 2018



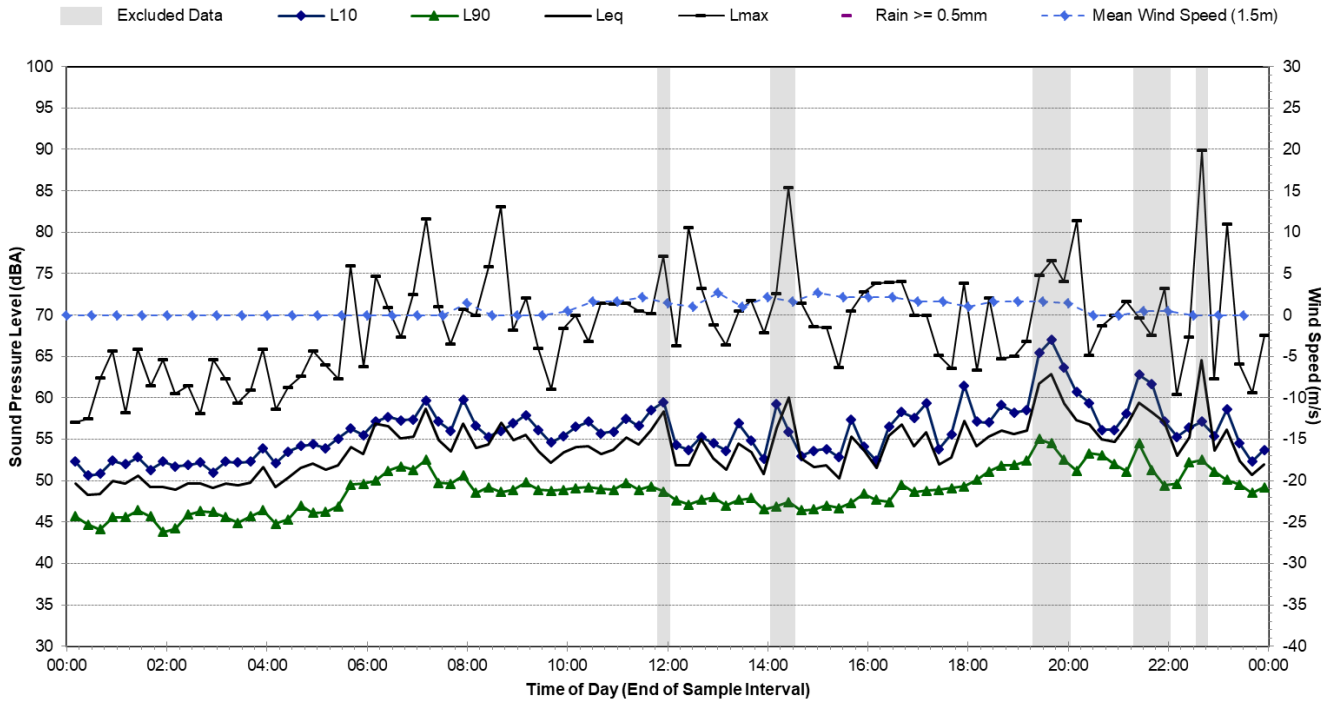
Statistical Ambient Noise Levels

9 A'Beckett St, Granville - Friday, 6 April 2018



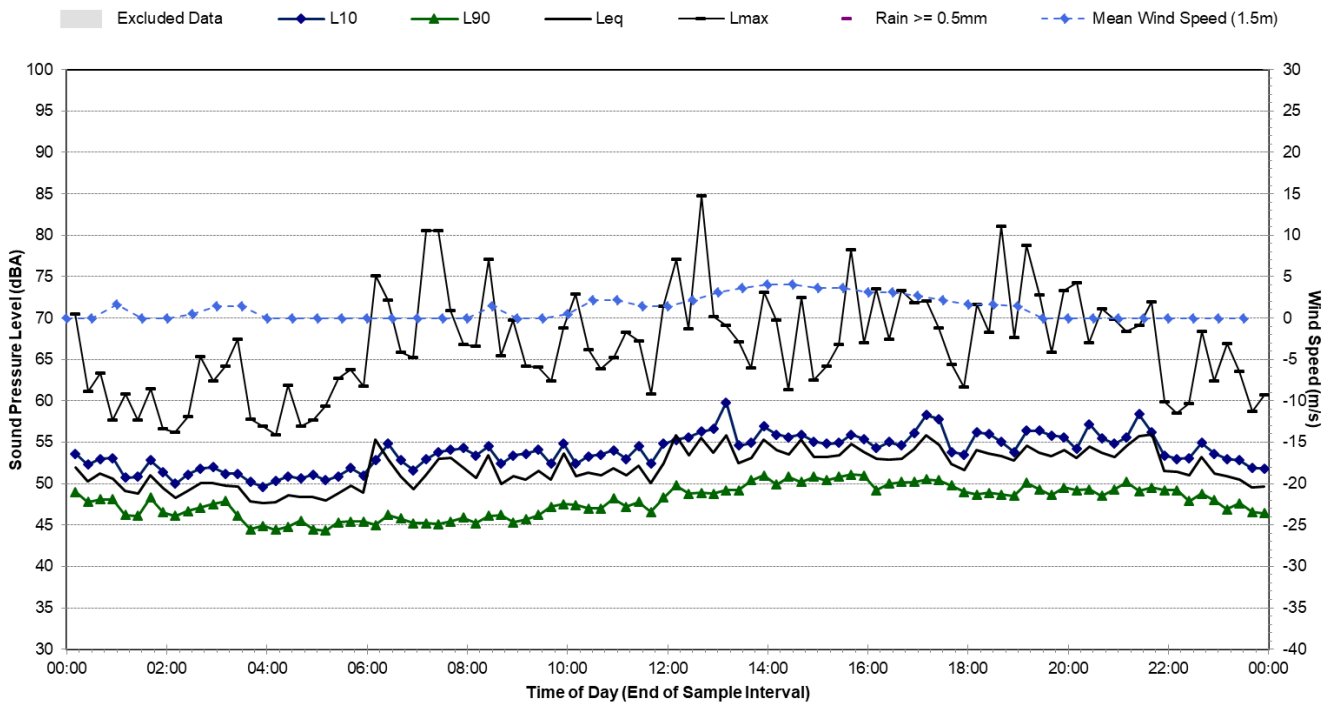
Statistical Ambient Noise Levels

9 A'Beckett St, Granville - Saturday, 7 April 2018



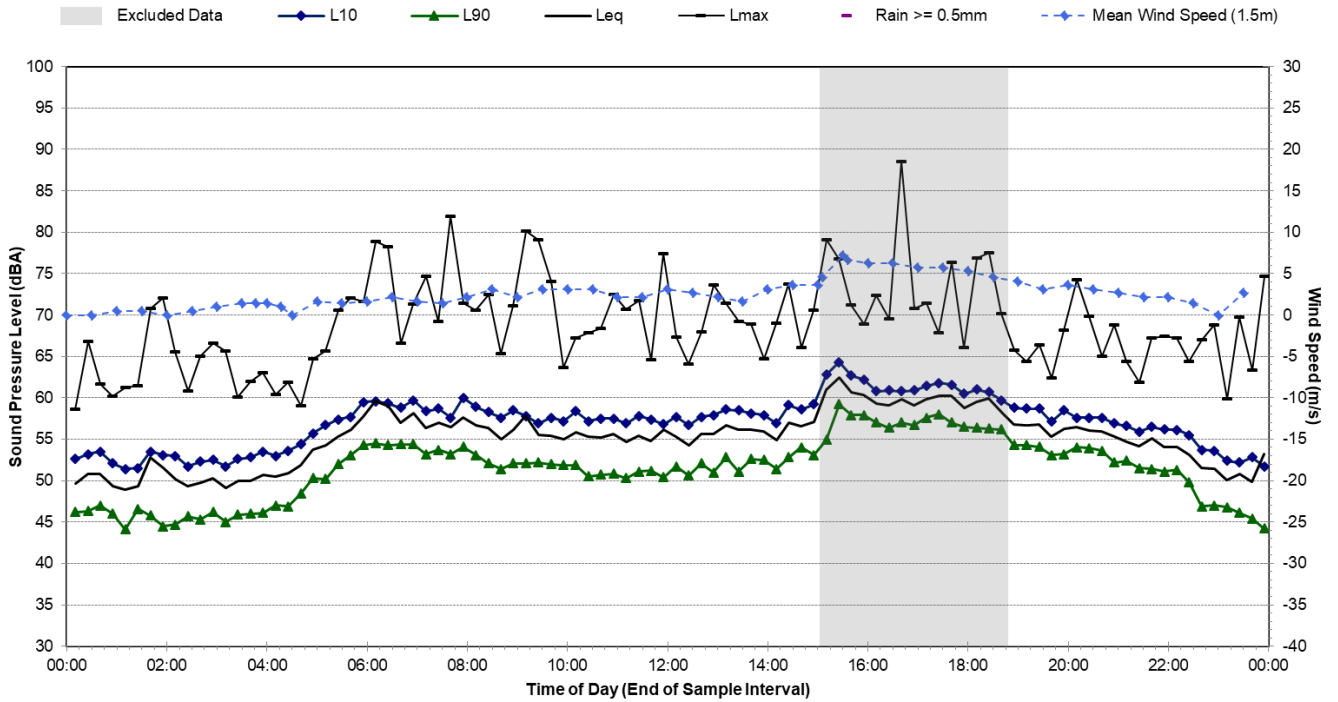
Statistical Ambient Noise Levels

9 A'Beckett St, Granville - Sunday, 8 April 2018



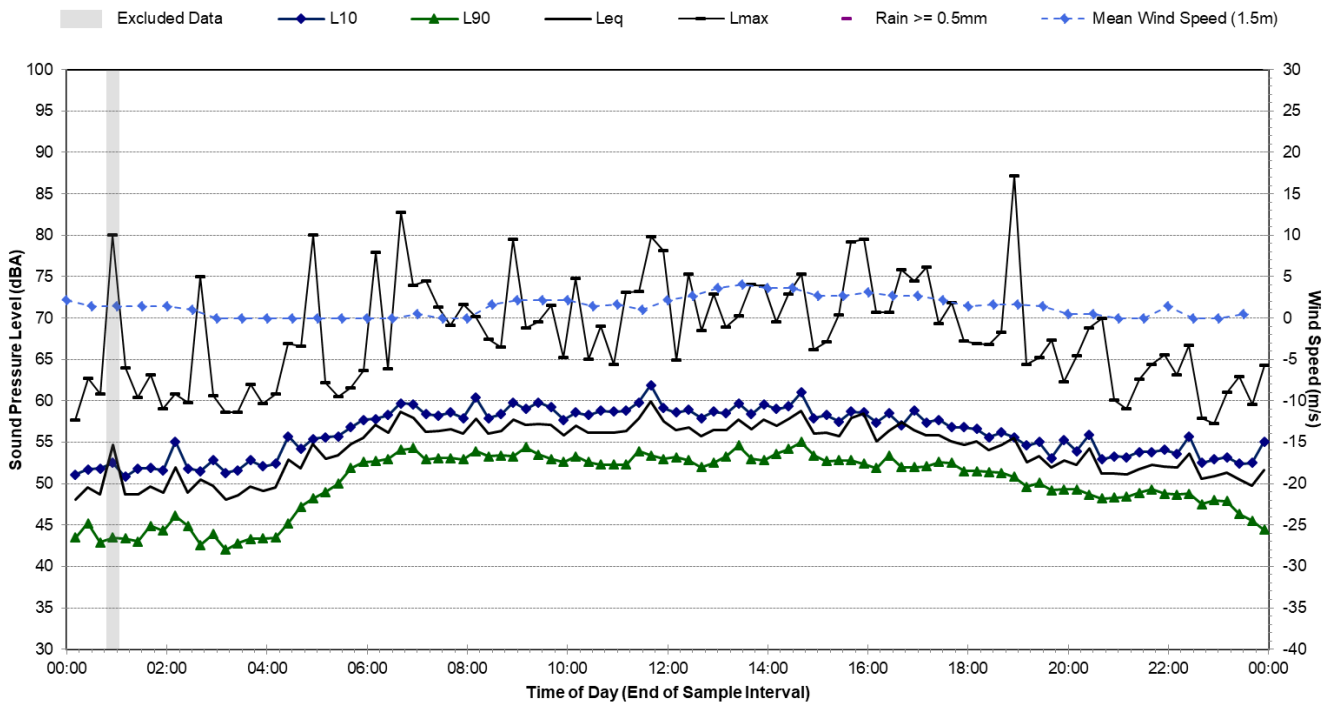
Statistical Ambient Noise Levels

9 A'Beckett St, Granville - Monday, 9 April 2018



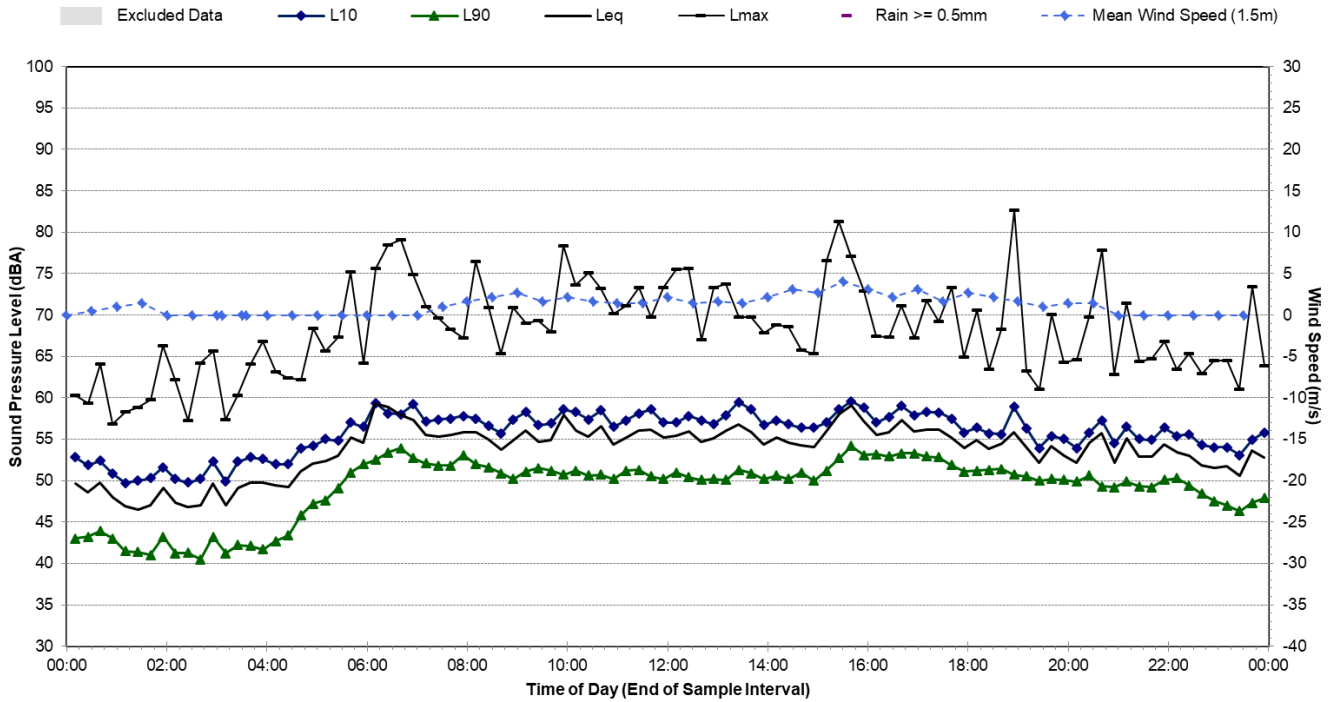
Statistical Ambient Noise Levels

9 A'Beckett St, Granville - Tuesday, 10 April 2018



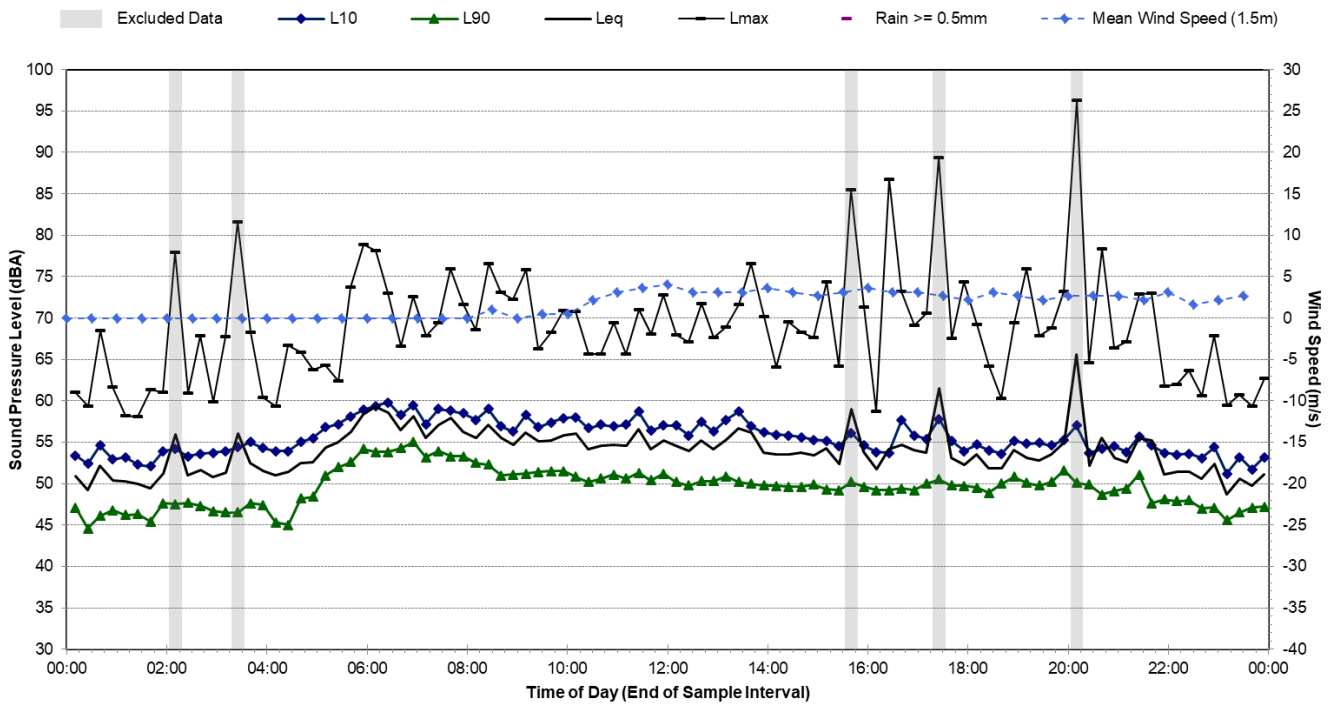
Statistical Ambient Noise Levels

9 A'Beckett St, Granville - Wednesday, 11 April 2018



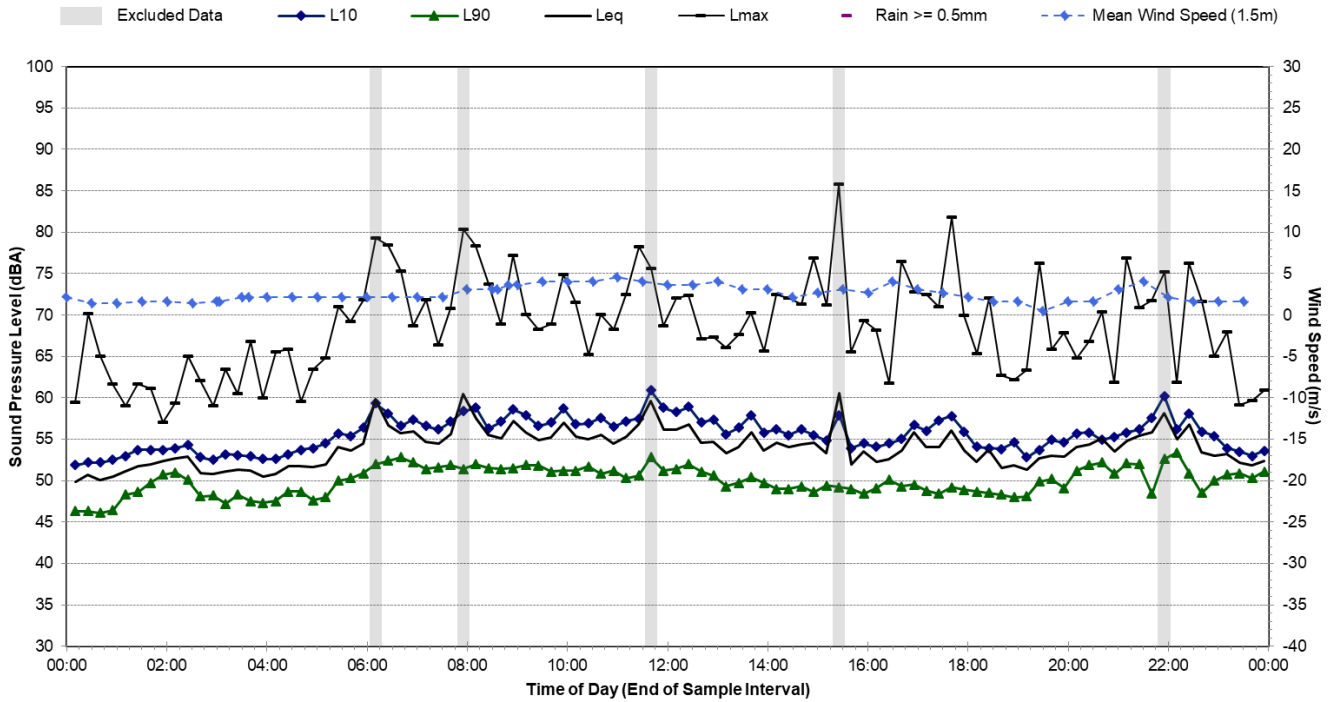
Statistical Ambient Noise Levels

9 A'Beckett St, Granville - Thursday, 12 April 2018



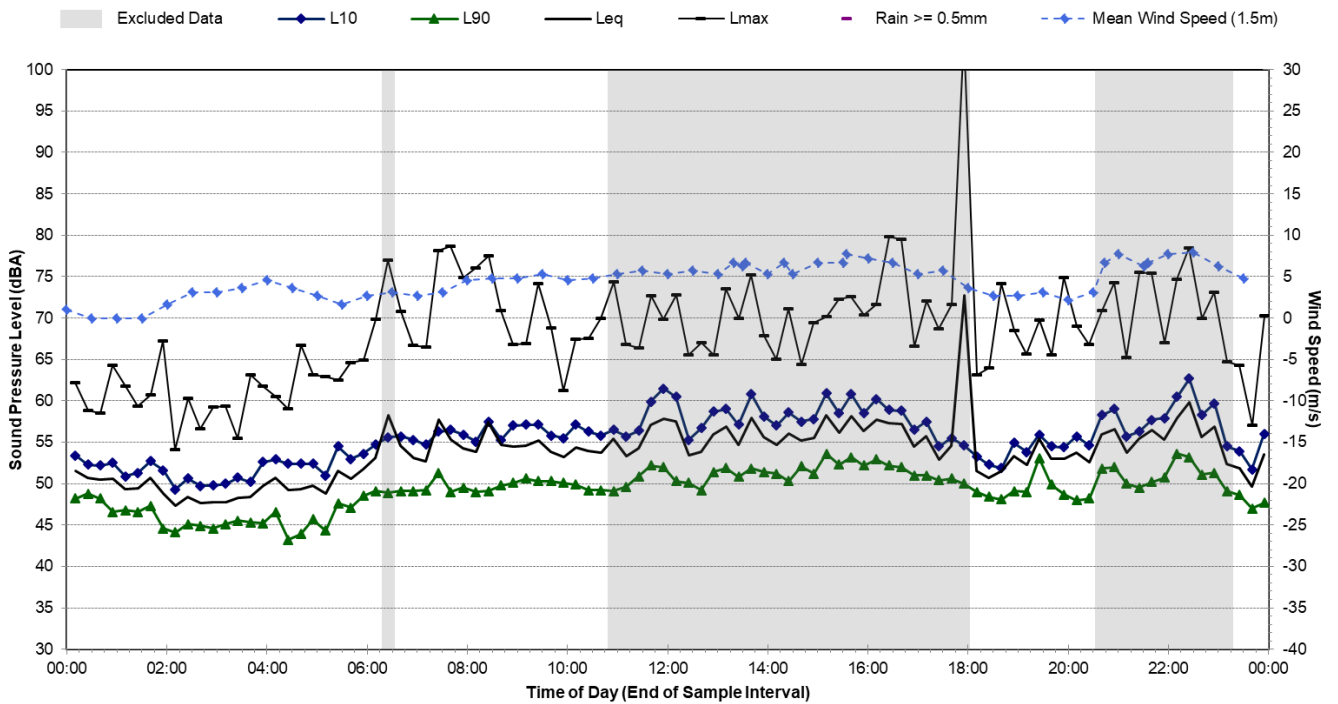
Statistical Ambient Noise Levels

9 A'Beckett St, Granville - Friday, 13 April 2018



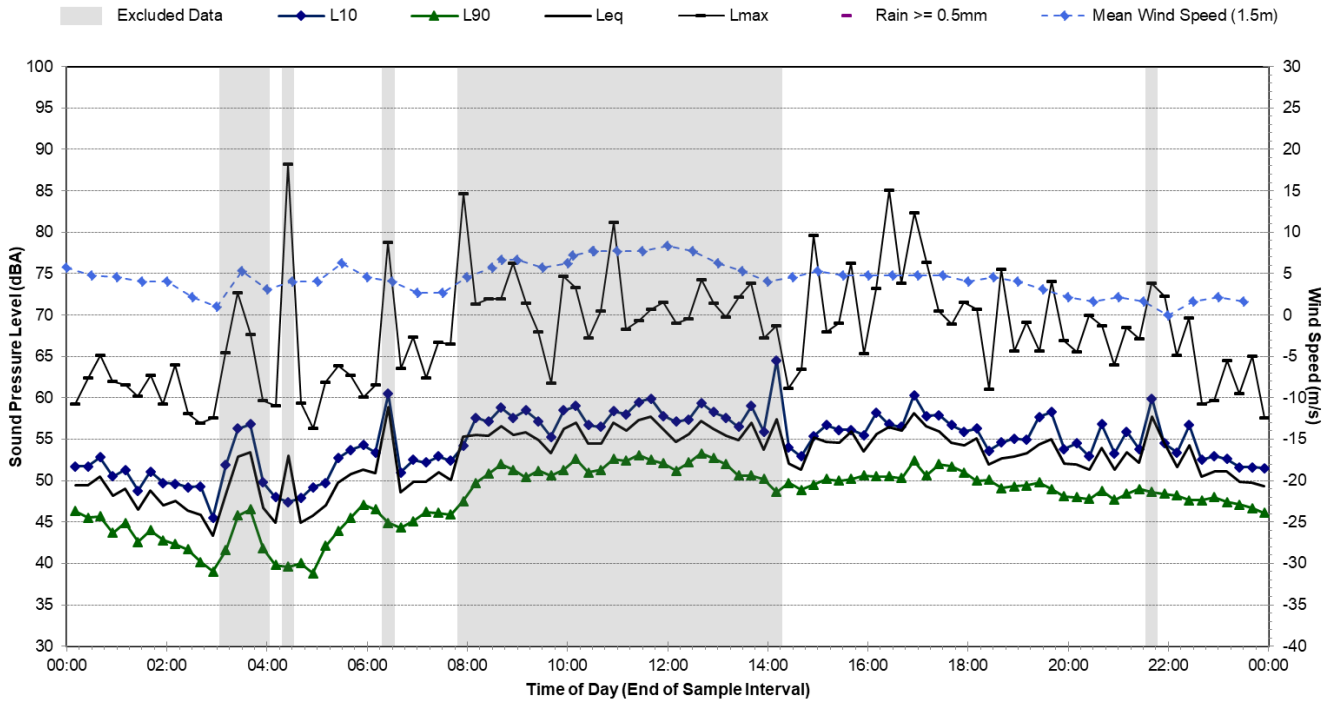
Statistical Ambient Noise Levels

9 A'Beckett St, Granville - Saturday, 14 April 2018



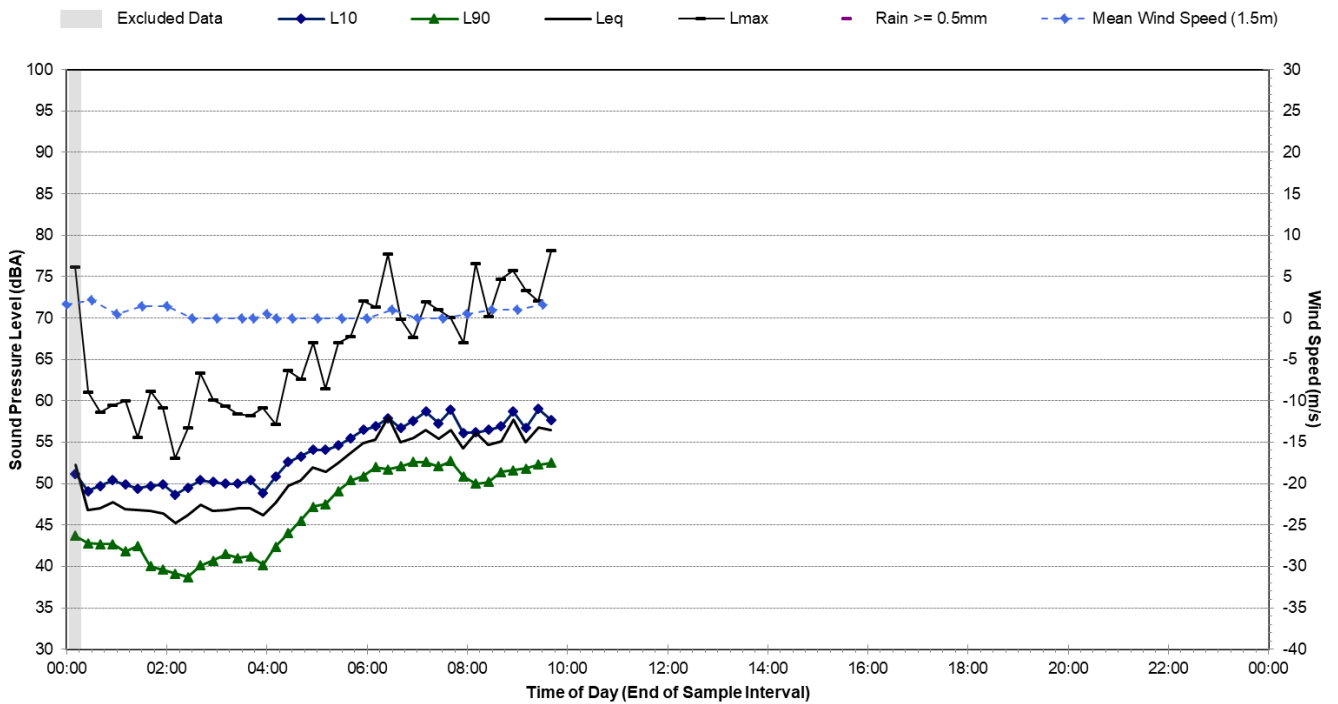
Statistical Ambient Noise Levels

9 A'Beckett St, Granville - Sunday, 15 April 2018



Statistical Ambient Noise Levels

9 A'Beckett St, Granville - Monday, 16 April 2018

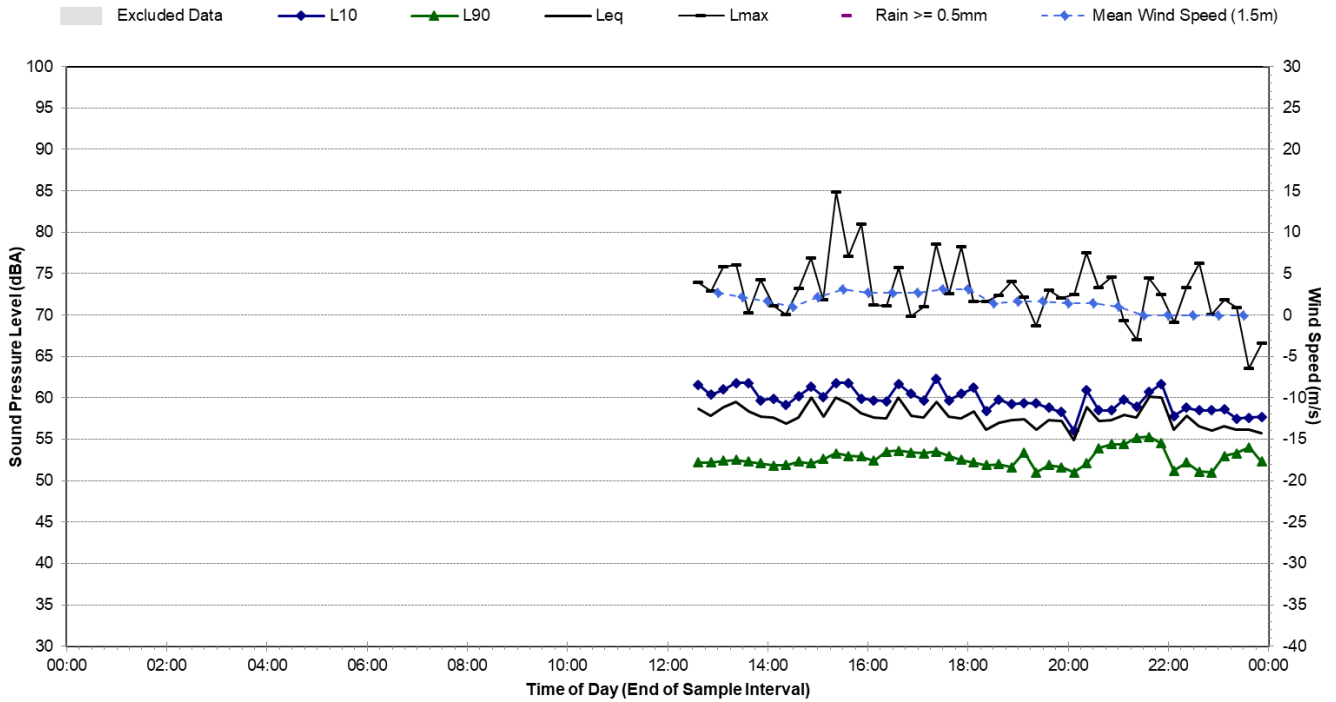


Noise Monitoring Location		B.06				Map of Noise Monitoring Location
Noise Monitoring Address		4B Gray Street, Granville				
Logger Device Type: Svantek 957, Logger Serial No: 23815 Sound Level Meter Device Type: Brüel and Kjær 2260, Sound Level Meter Serial No: 2414605						
Ambient noise data obtained as part of the M4 Widening project. The ambient noise logger was located at 4B Gray Street, Granville.						
Attended noise measurements indicate the ambient noise environment at this location is dominated by road traffic noise from the elevated M4 Motorway to the north. Local traffic on Gray Street and aircraft noise also contribute to the noise levels at this location.						
Measured noise levels (LAmax): 05/04/2018: Light-vehicle traffic on the M4: 55-57 dBA, Heavy-vehicle traffic on the M4: 57-66 dBA, Local traffic on Gray Street: 63-83 dBA, Aircraft: 70 dBA						
Ambient Noise Logging Results ICNG Defined Time Periods						Photo of Noise Monitoring Location
Monitoring Period (05/04/2018 – 16/04/2018)		Noise Level (dBA)				
	RBL	LAeq	L10	L1		
Daytime	52	58	61	68		
Evening	51	57	58	65		
Night-time	44	55	55	61		
Ambient Noise Logging Results RNP Defined Time Periods						
Monitoring Period (05/04/2018 – 16/04/2018)		Noise Level (dBA)				
	LAeq(period)		LAeq(1hour)			
Daytime (7am-10pm)	58		59			
Night-time (10pm-7am)	55		59			
Attended Noise Measurement Results						
Date	Start Time	Measured Noise Level (dBA)				
		LA90	LAeq	LAmax		
05/04/2018	11:50	53	56	83		



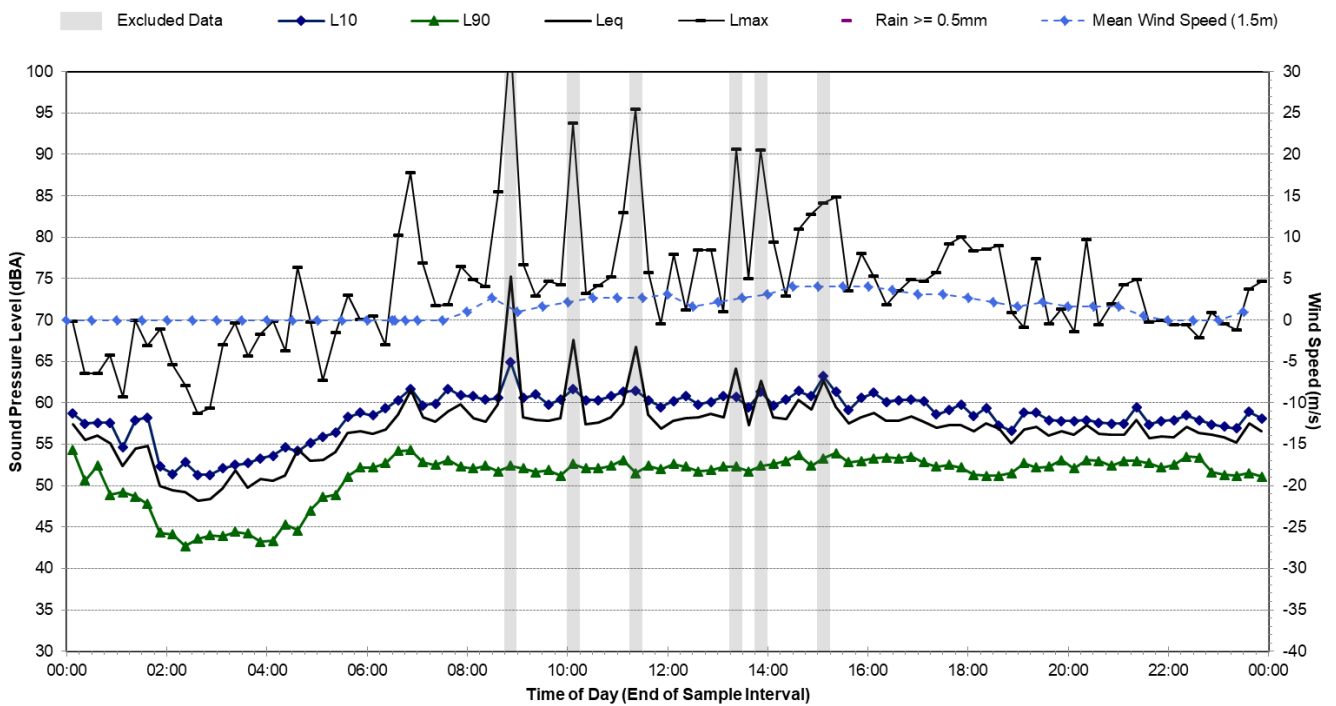
Statistical Ambient Noise Levels

4B Gray St, Granville - Thursday, 5 April 2018



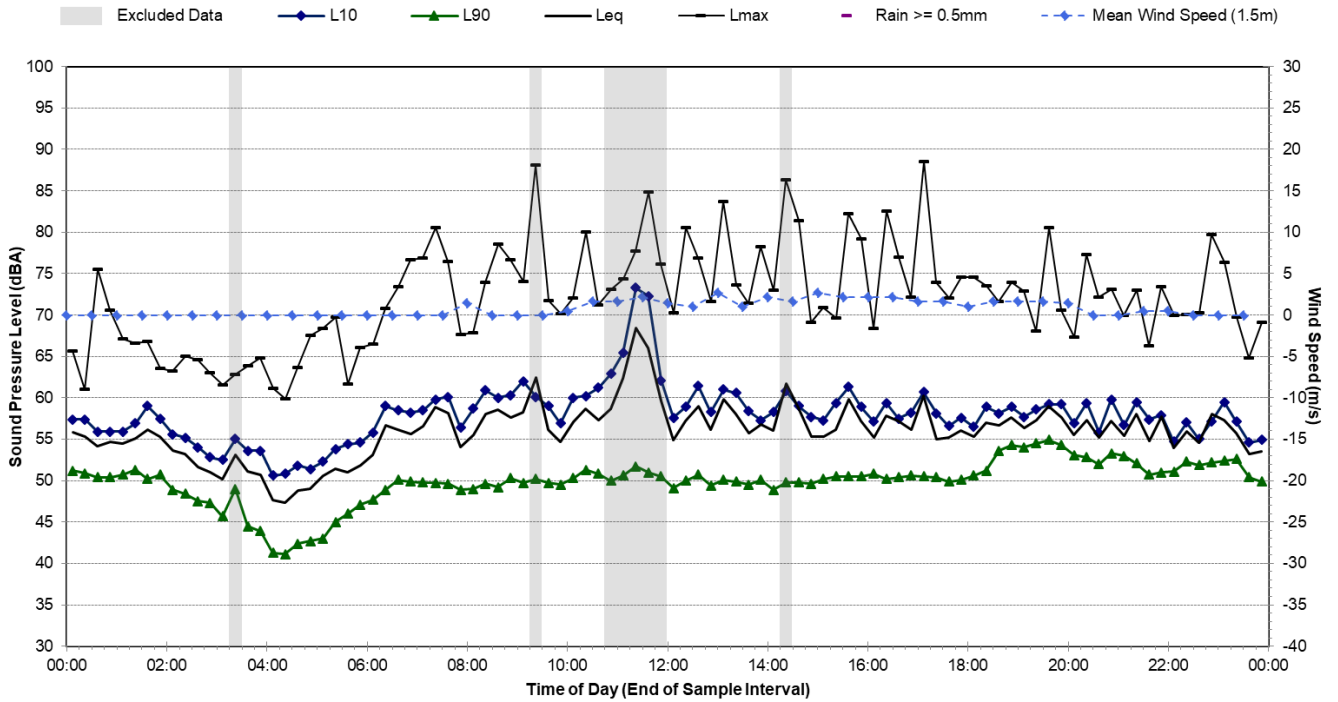
Statistical Ambient Noise Levels

4B Gray St, Granville - Friday, 6 April 2018



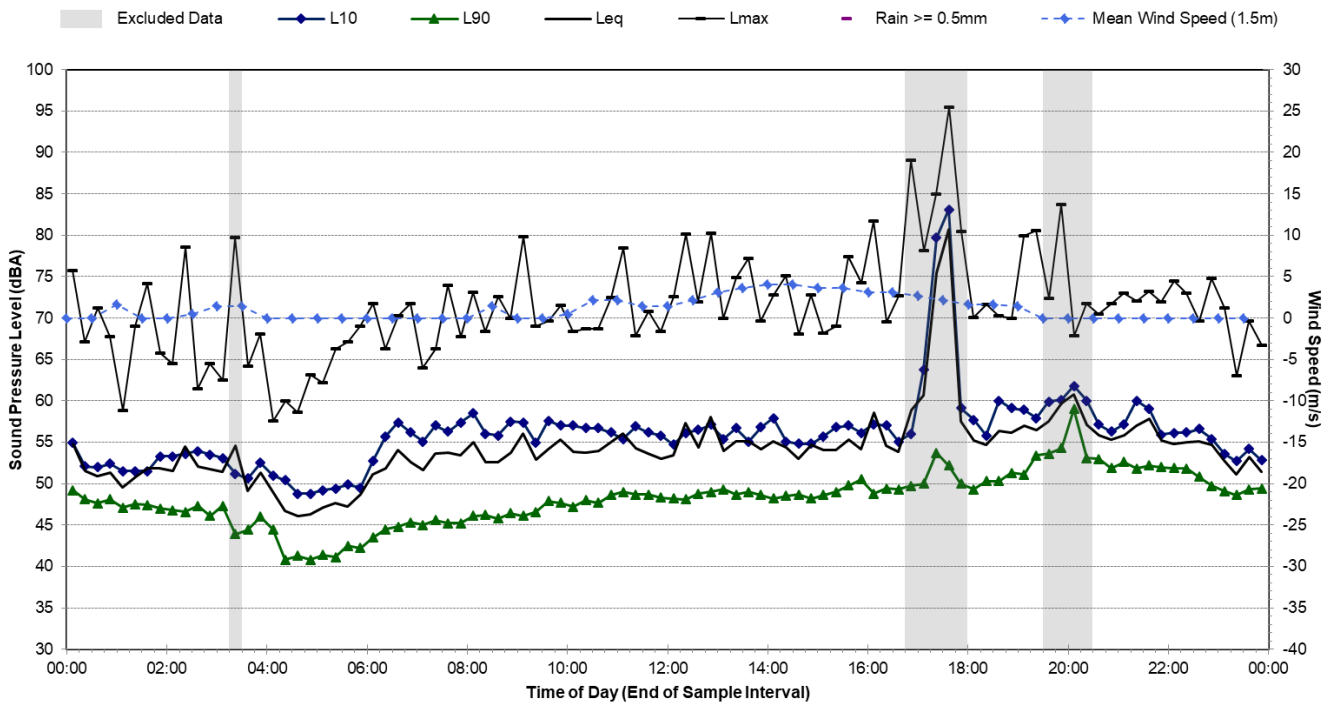
Statistical Ambient Noise Levels

4B Gray St, Granville - Saturday, 7 April 2018



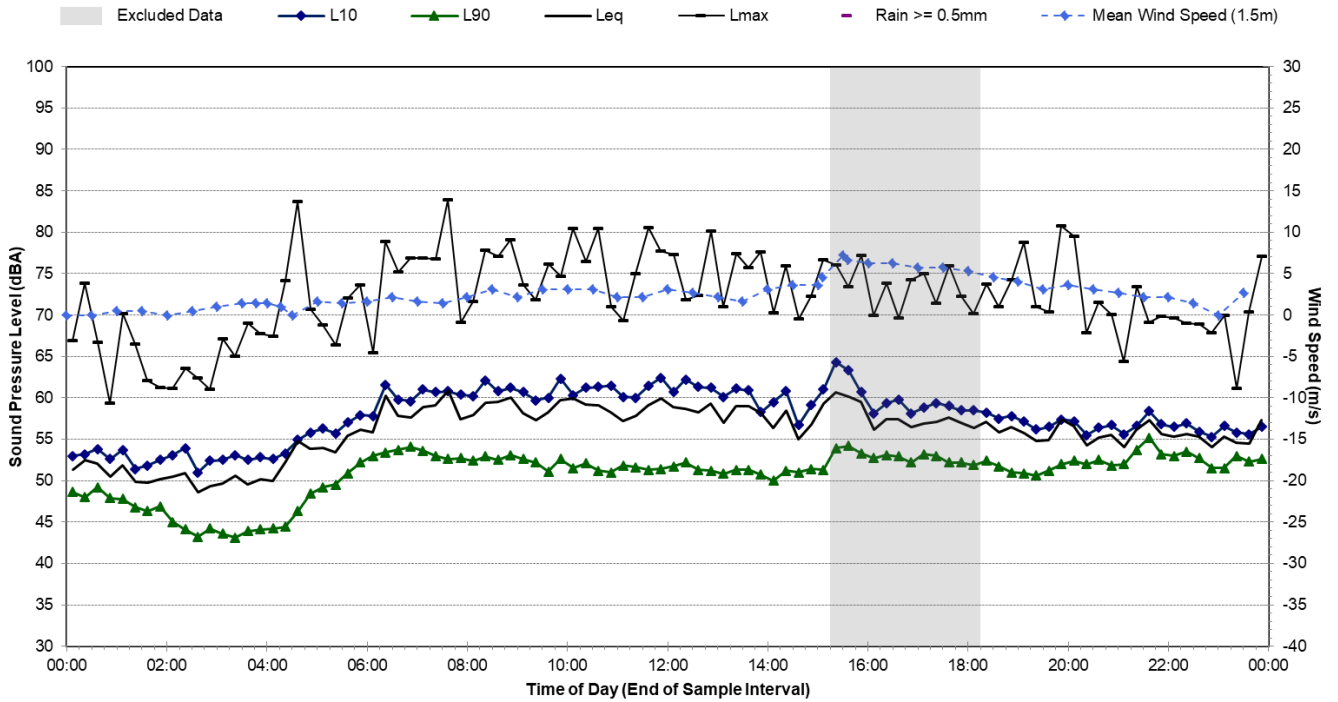
Statistical Ambient Noise Levels

4B Gray St, Granville - Sunday, 8 April 2018



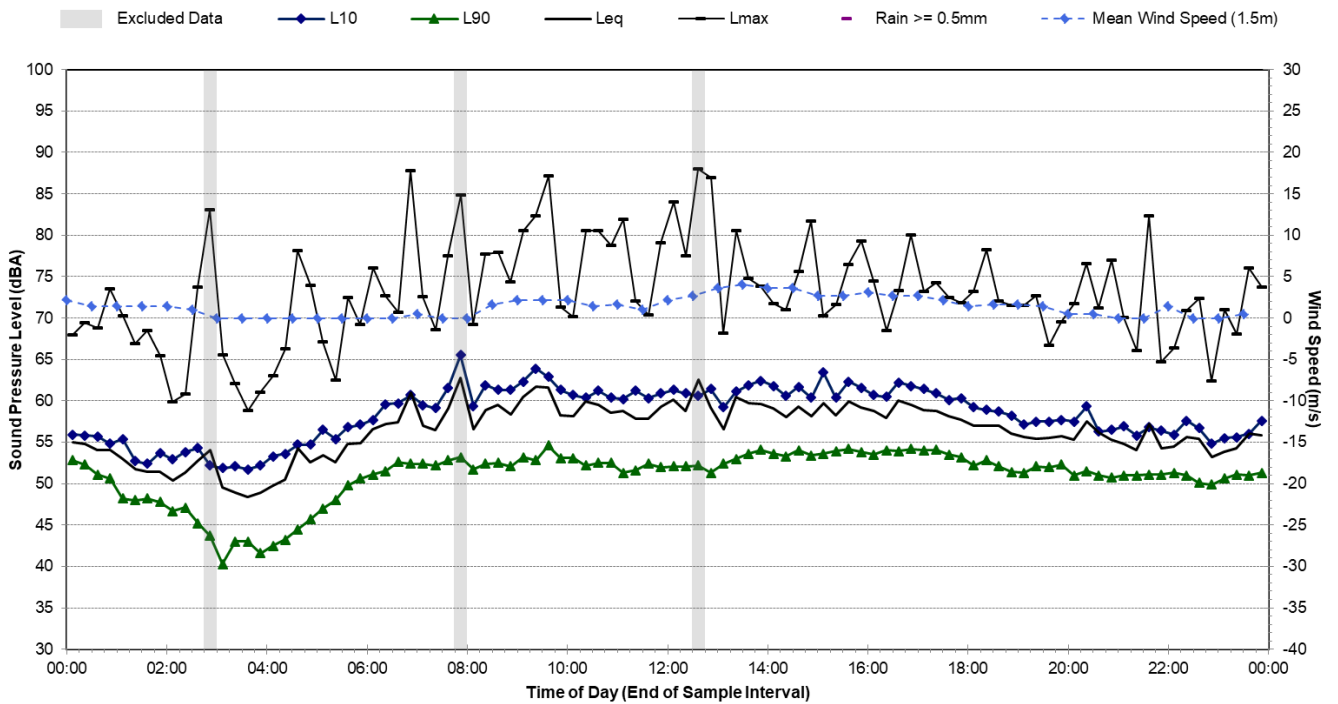
Statistical Ambient Noise Levels

4B Gray St, Granville - Monday, 9 April 2018



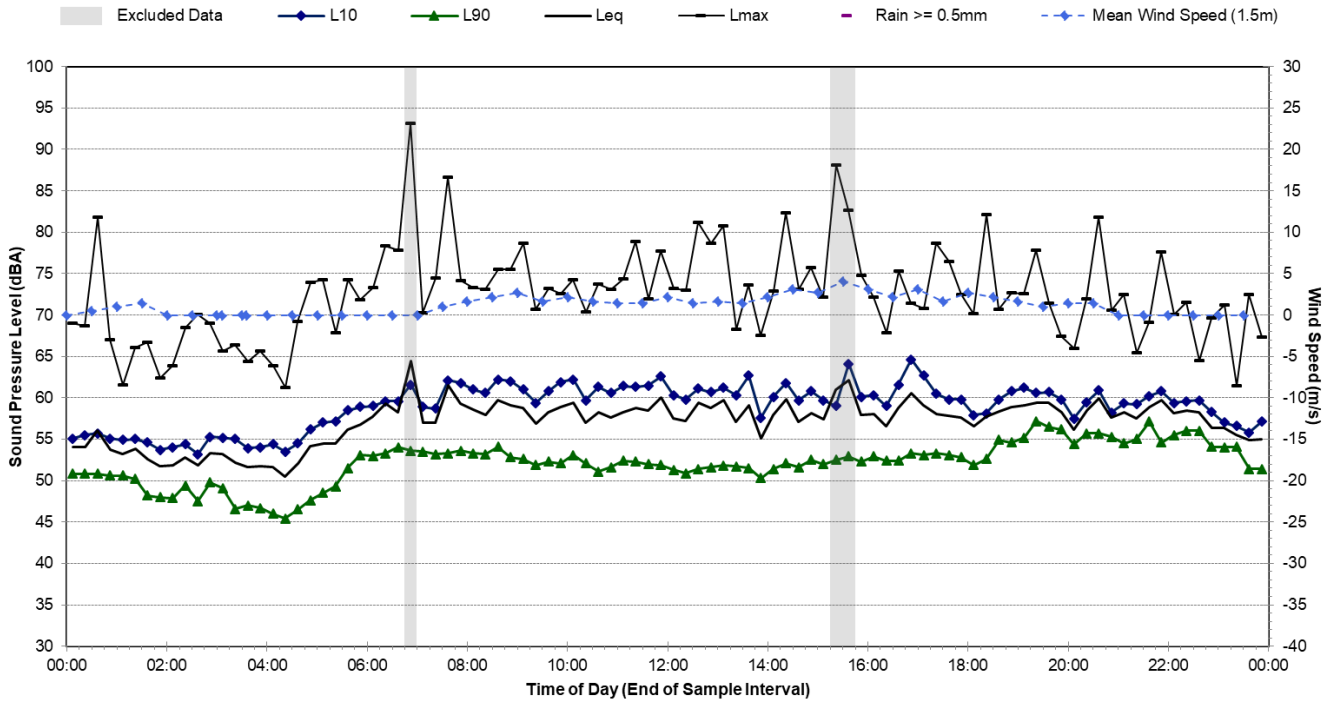
Statistical Ambient Noise Levels

4B Gray St, Granville - Tuesday, 10 April 2018



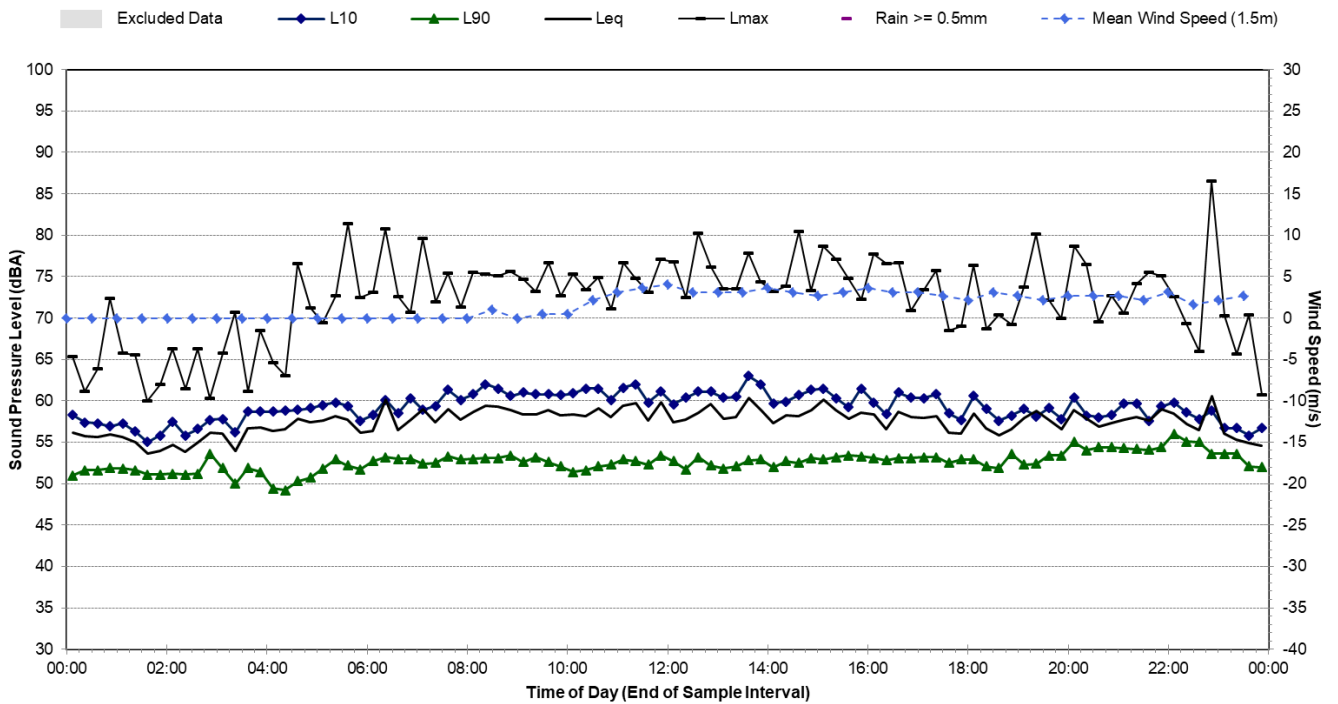
Statistical Ambient Noise Levels

4B Gray St, Granville - Wednesday, 11 April 2018

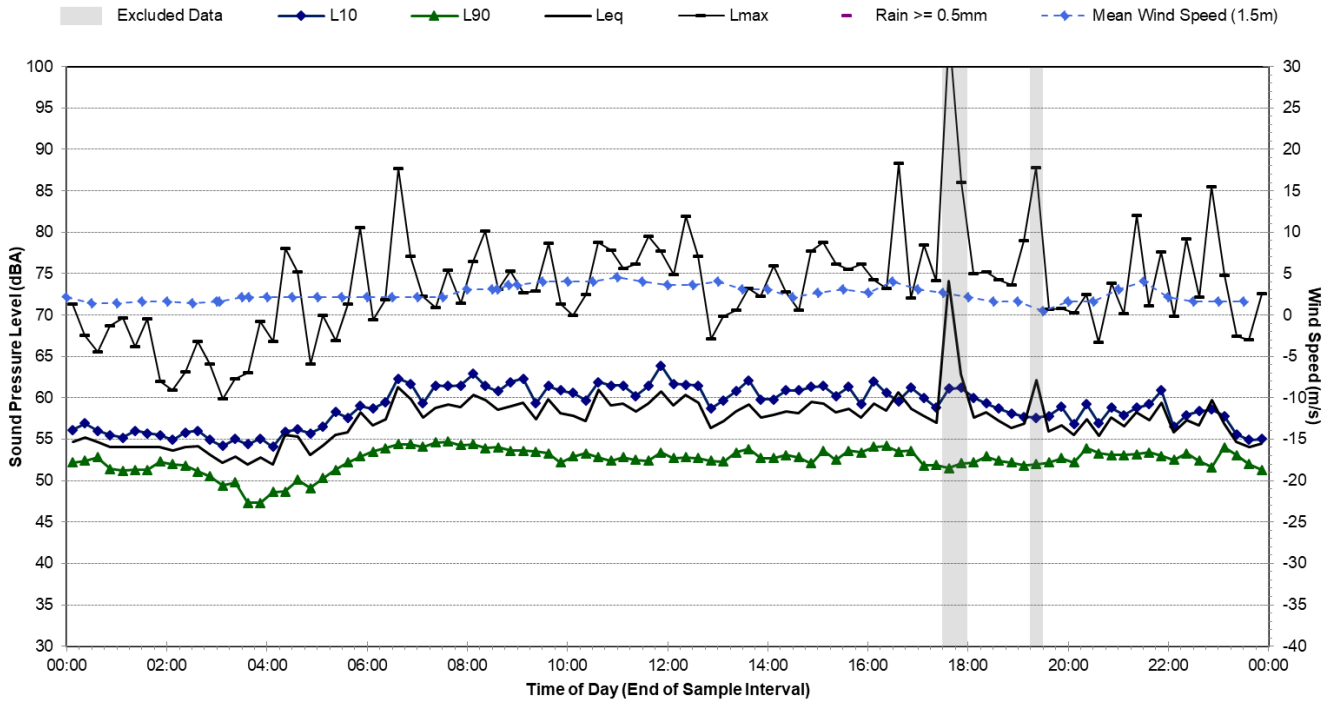


Statistical Ambient Noise Levels

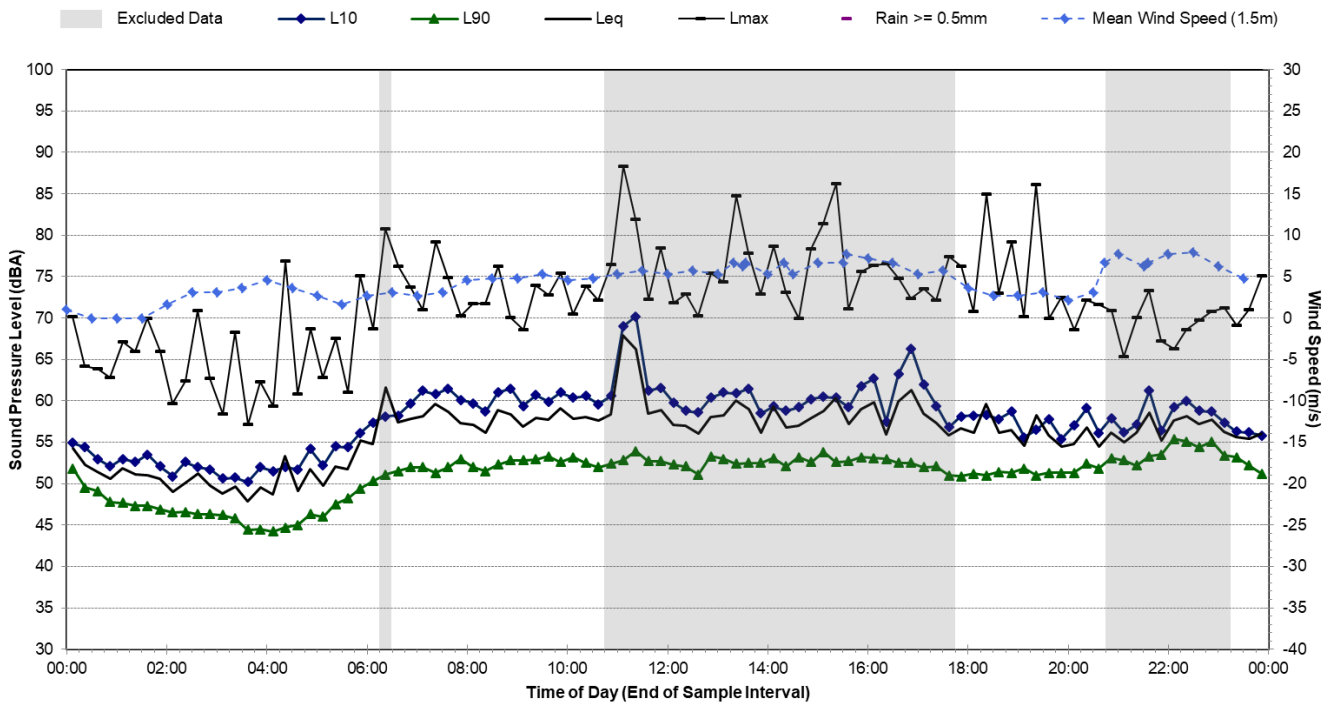
4B Gray St, Granville - Thursday, 12 April 2018



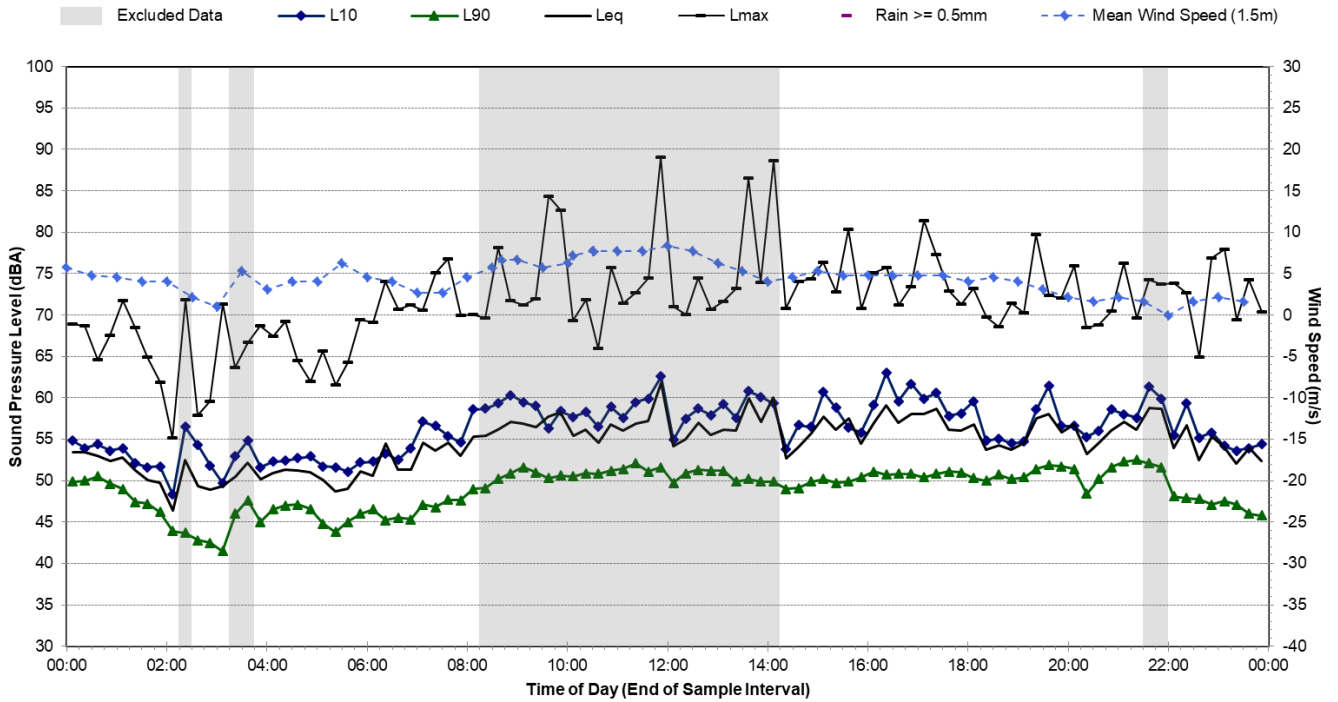
Statistical Ambient Noise Levels 4B Gray St, Granville - Friday, 13 April 2018



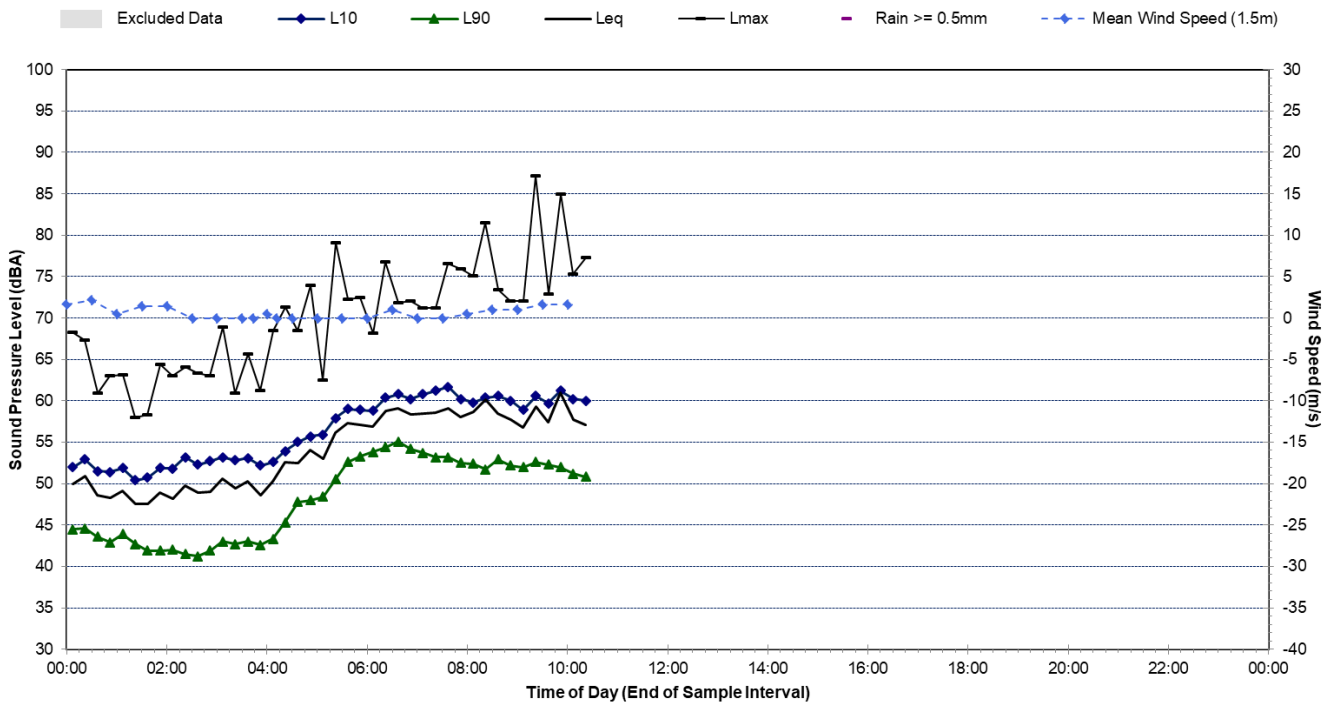
Statistical Ambient Noise Levels 4B Gray St, Granville - Saturday, 14 April 2018





Statistical Ambient Noise Levels 4B Gray St, Granville - Sunday, 15 April 2018



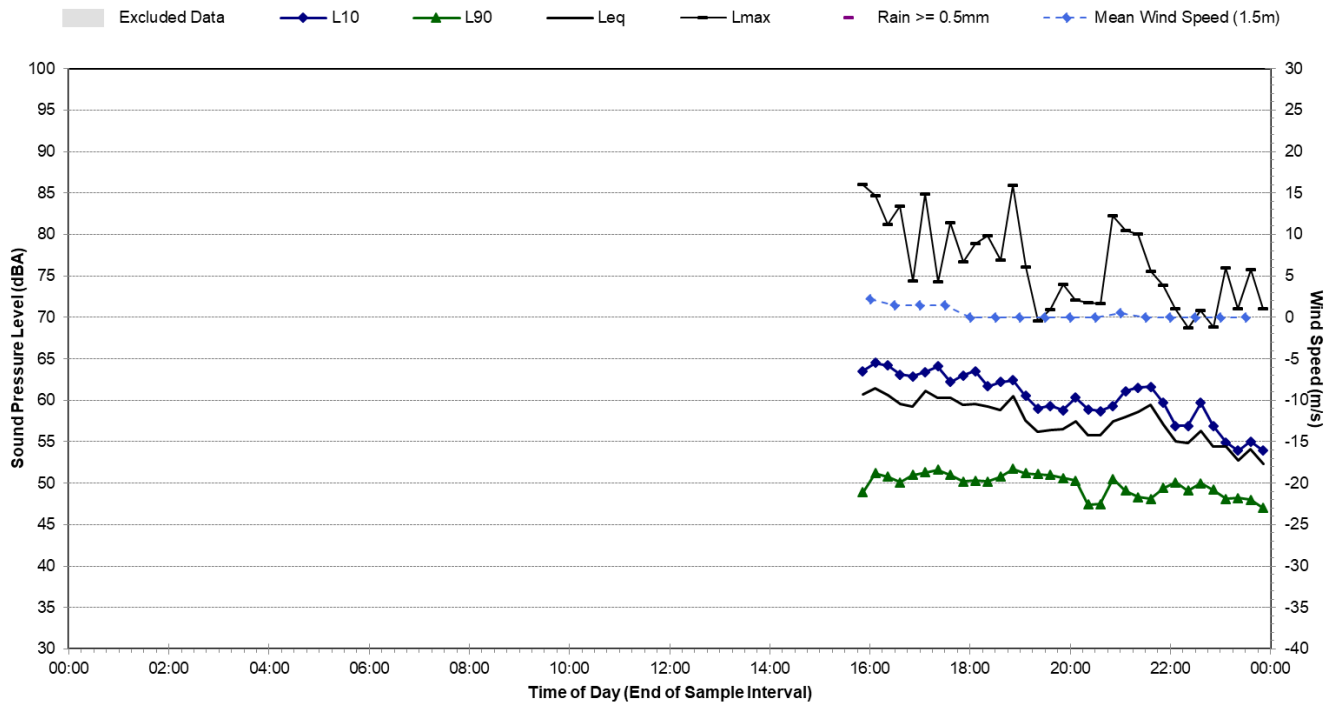
Statistical Ambient Noise Levels 4B Gray St, Granville - Monday, 16 April 2018



Noise Monitoring Location	B.07				<div>Map of Noise Monitoring Location</div> 
Noise Monitoring Address	10 Carnarvon Street, Silverwater				
<div>Logger Device Type: SVAN957, Logger Serial No: 27522</div> <div>Sound Level Meter Device Type: Brüel and Kjær 2260, Sound Level Meter Serial No: 2487418</div> <div>Ambient noise logger located at 10 Carnarvon Street, Silverwater. Logger located with view of Carnarvon Street to the north, Silverwater Road to the west and Wetherill Street to the east.</div> <div>Attended noise measurements indicate the ambient noise environment at this location is dominated by road traffic noise from Carnarvon Road and Silverwater Road to the south. Industrial noise also contributes to the noise levels.</div> <div>Measured noise levels (LAmax):</div> <div>8/08/2019: Light-vehicle traffic Carnarvon Street: 64-71 dBA, Heavy-vehicle traffic Carnarvon Street: 61-82 dBA, Industrial operations: 58-69 dBA, Aircraft: 60-70 dBA, Motorcycle: 80 dBA, Vehicle traffic Silverwater Road: 55-63 dBA</div>					
Ambient Noise Logging Results ICNG Defined Time Periods					<div>Photo of Noise Monitoring Location</div> 
Monitoring Period (22/07/2019 – 08/08/2019)	Noise Level (dBA)				
	RBL	LAeq	L10	L1	
	Daytime	46	60	64	
	Evening	44	57	60	67
Night-time	41	55	51	65	
Ambient Noise Logging Results RNP Defined Time Periods					
Monitoring Period (22/07/2019 – 08/08/2019)	Noise Level (dBA)				
	LAeq(period)		LAeq(1hour)		
	Daytime (7am-10pm)		60		62
Night-time (10pm-7am)		55		62	
Attended Noise Measurement Results					
Date	Start Time	Measured Noise Level (dBA)			
		LA90	LAeq	LAmix	
08/08/2019	10:40	57	63	82	

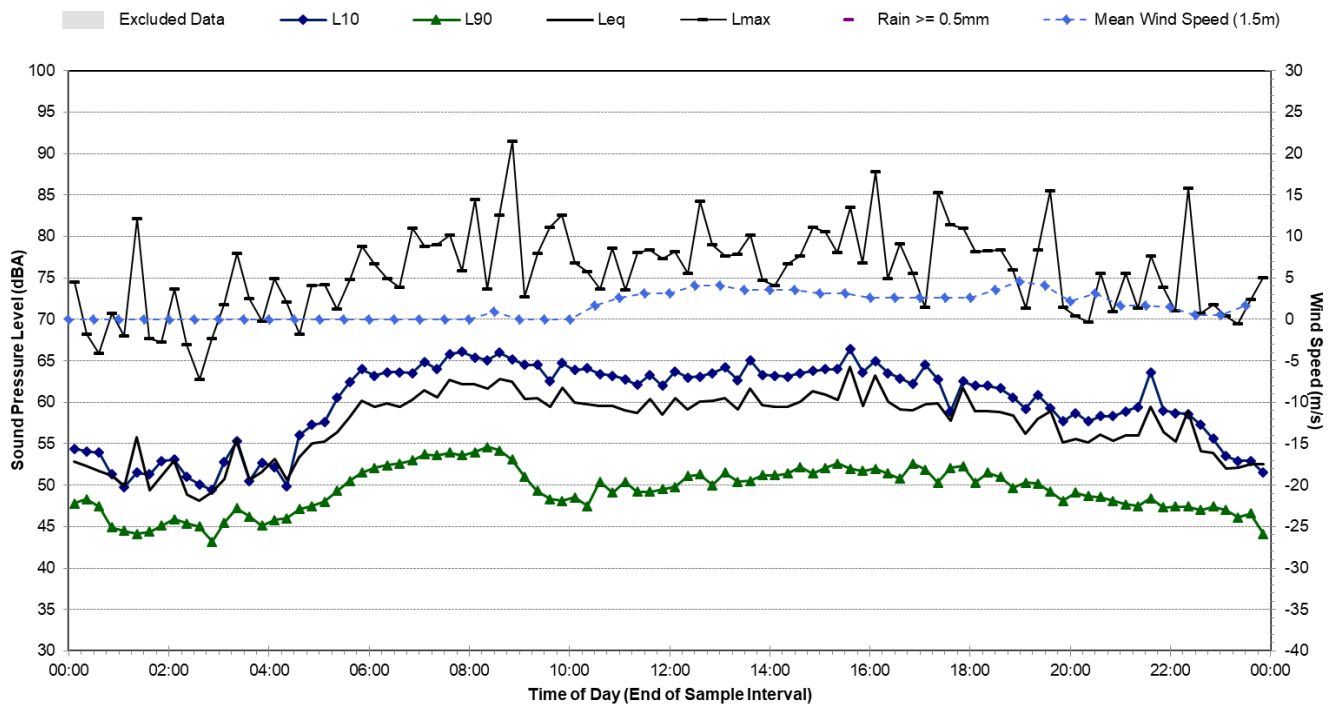
Statistical Ambient Noise Levels

10 Carnarvon St, Silverwater - Monday, 22 July 2019



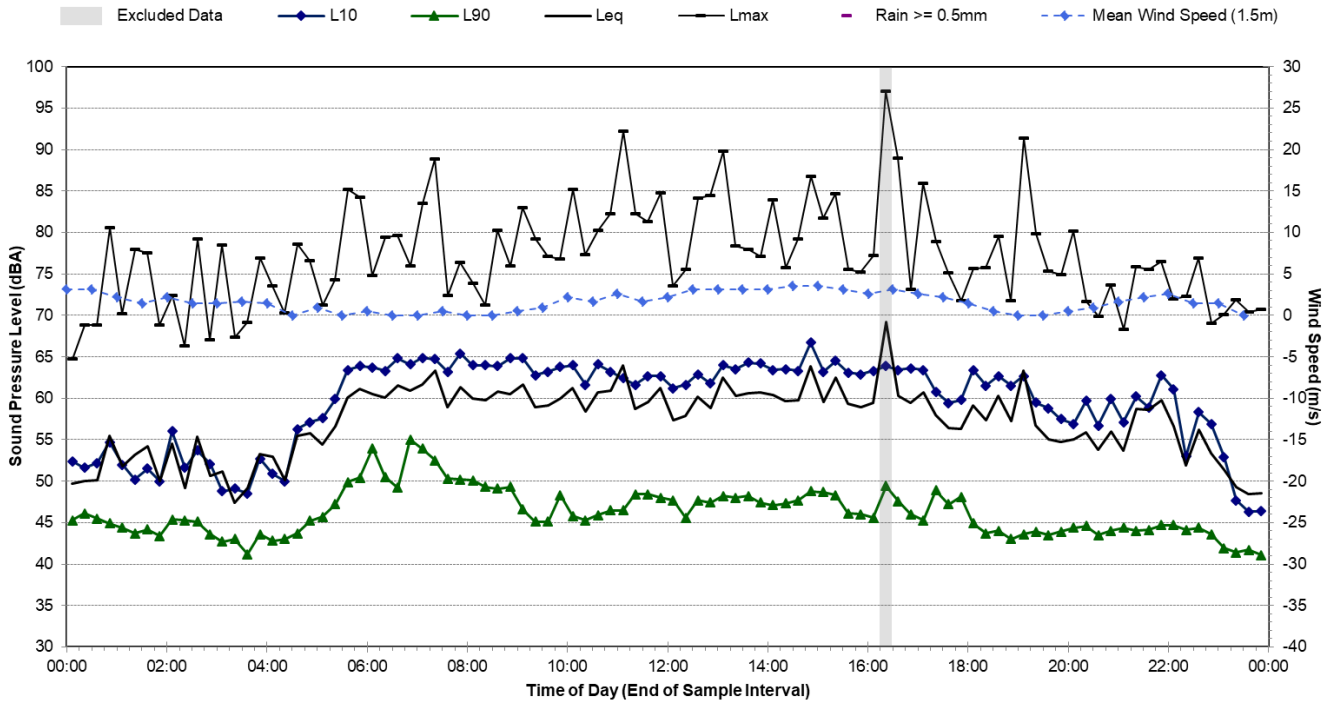
Statistical Ambient Noise Levels

10 Carnarvon St, Silverwater - Tuesday, 23 July 2019



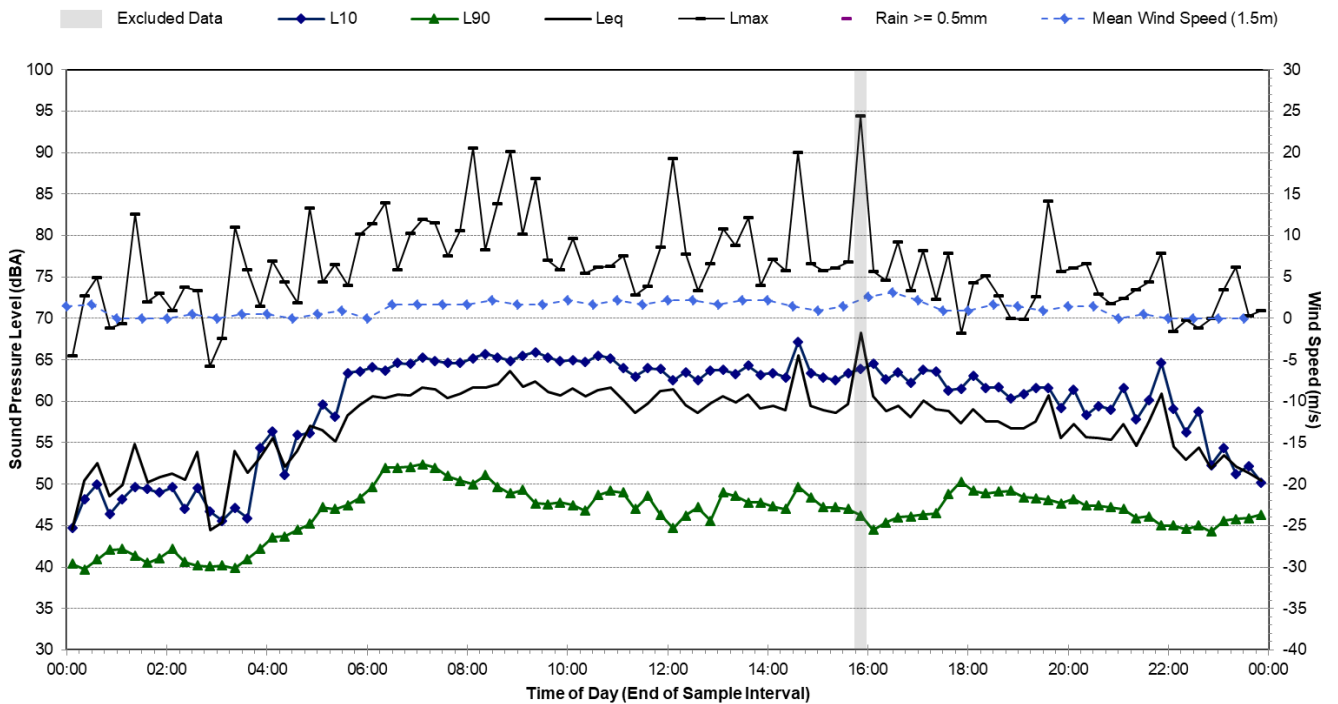
Statistical Ambient Noise Levels

10 Carnarvon St, Silverwater - Wednesday, 24 July 2019

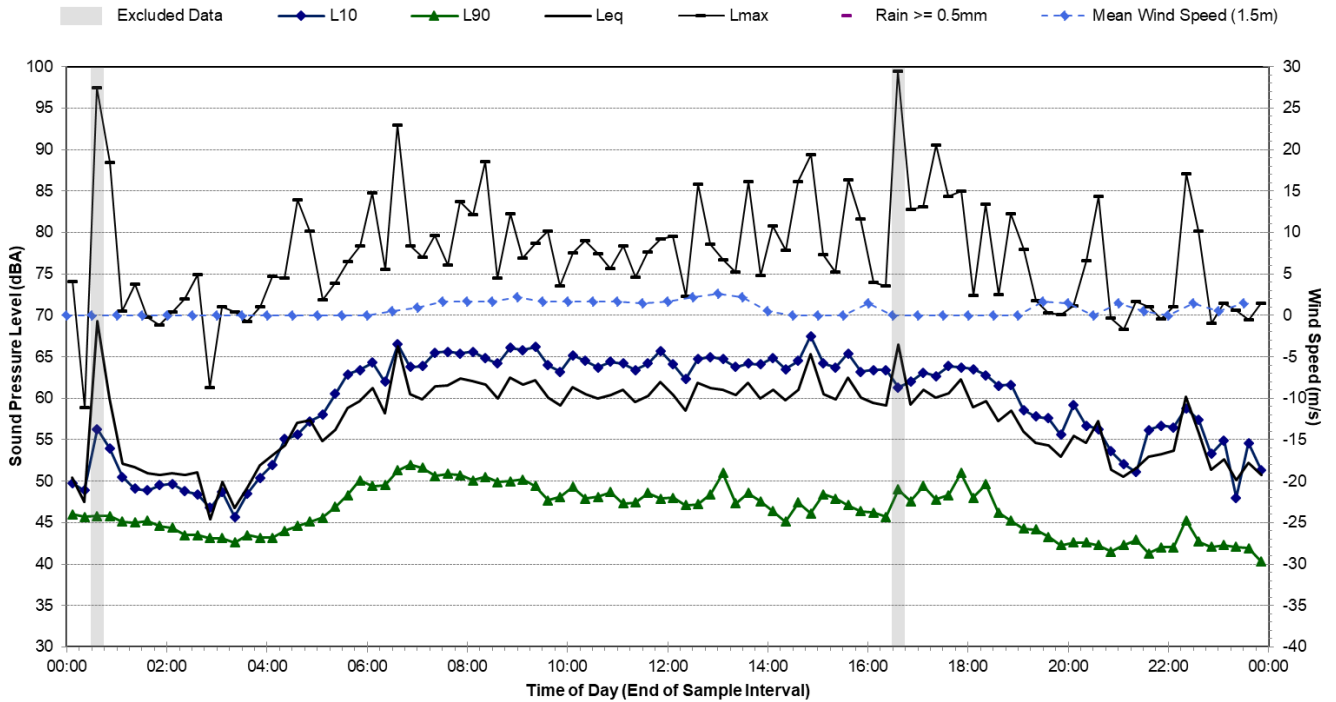


Statistical Ambient Noise Levels

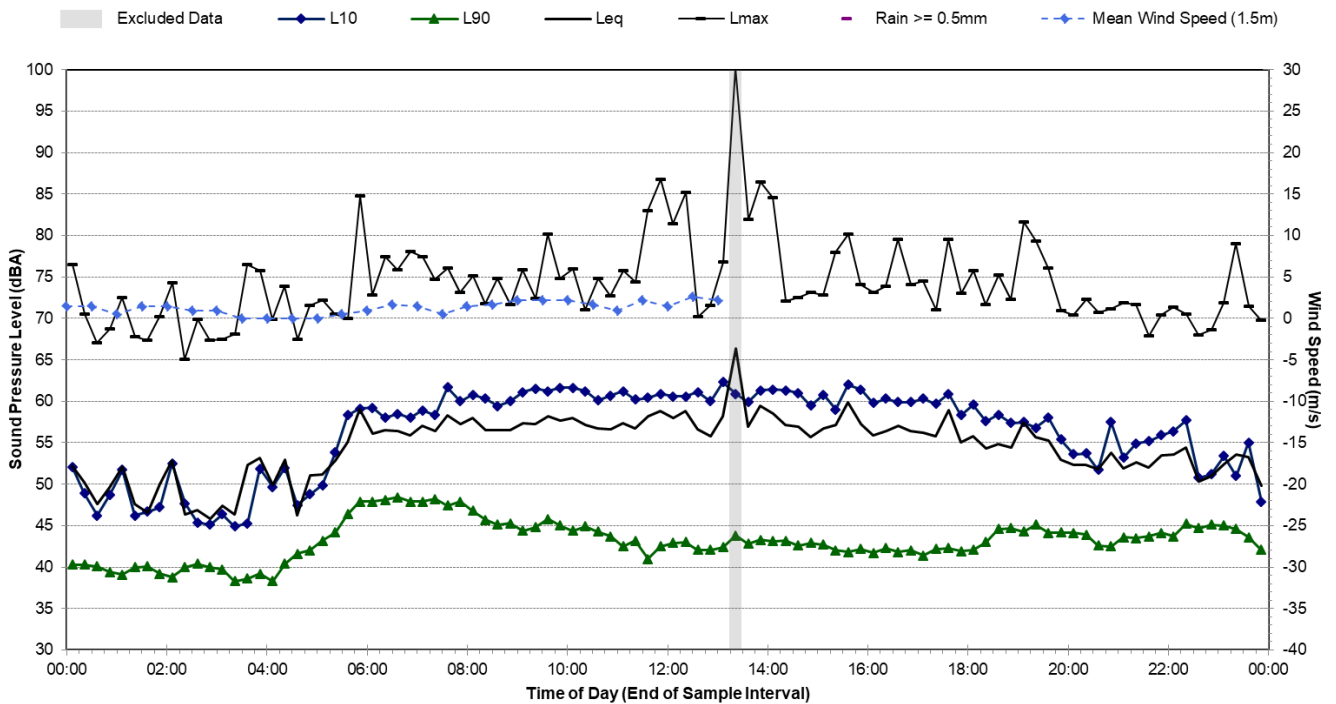
10 Carnarvon St, Silverwater - Thursday, 25 July 2019



Statistical Ambient Noise Levels 10 Carnarvon St, Silverwater - Friday, 26 July 2019

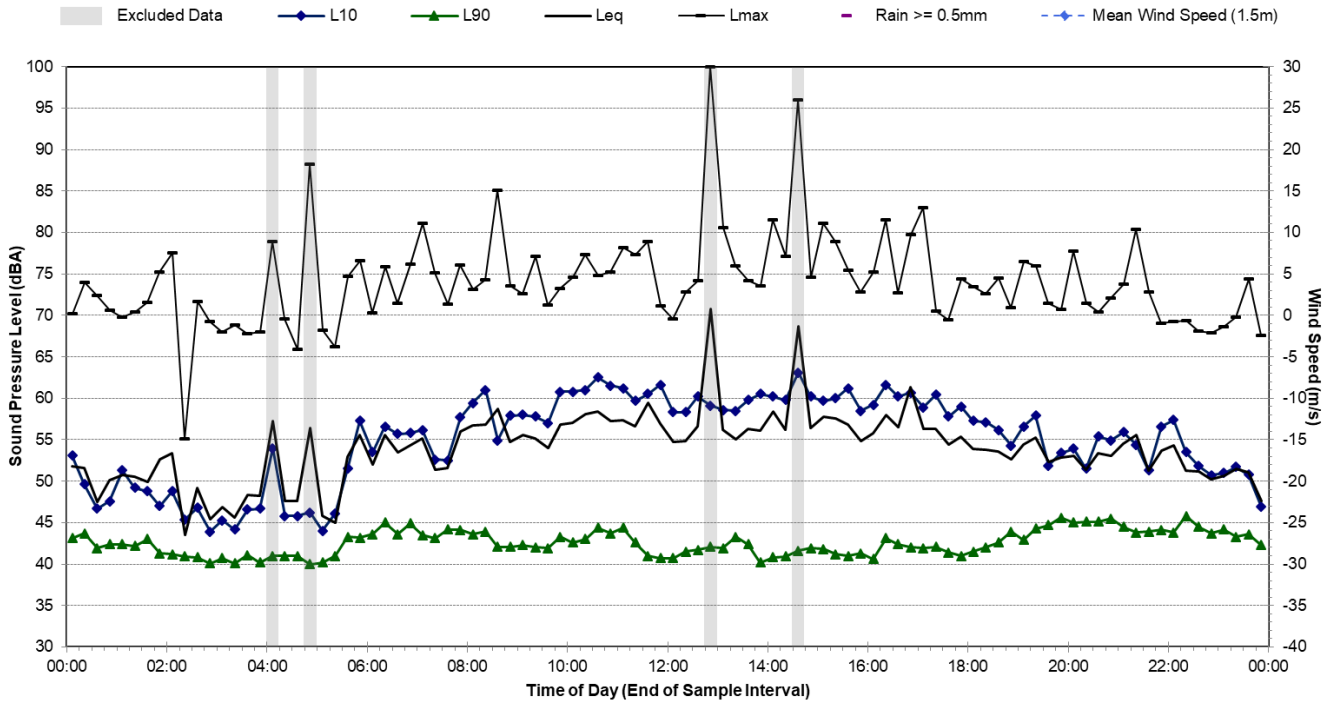


Statistical Ambient Noise Levels 10 Carnarvon St, Silverwater - Saturday, 27 July 2019



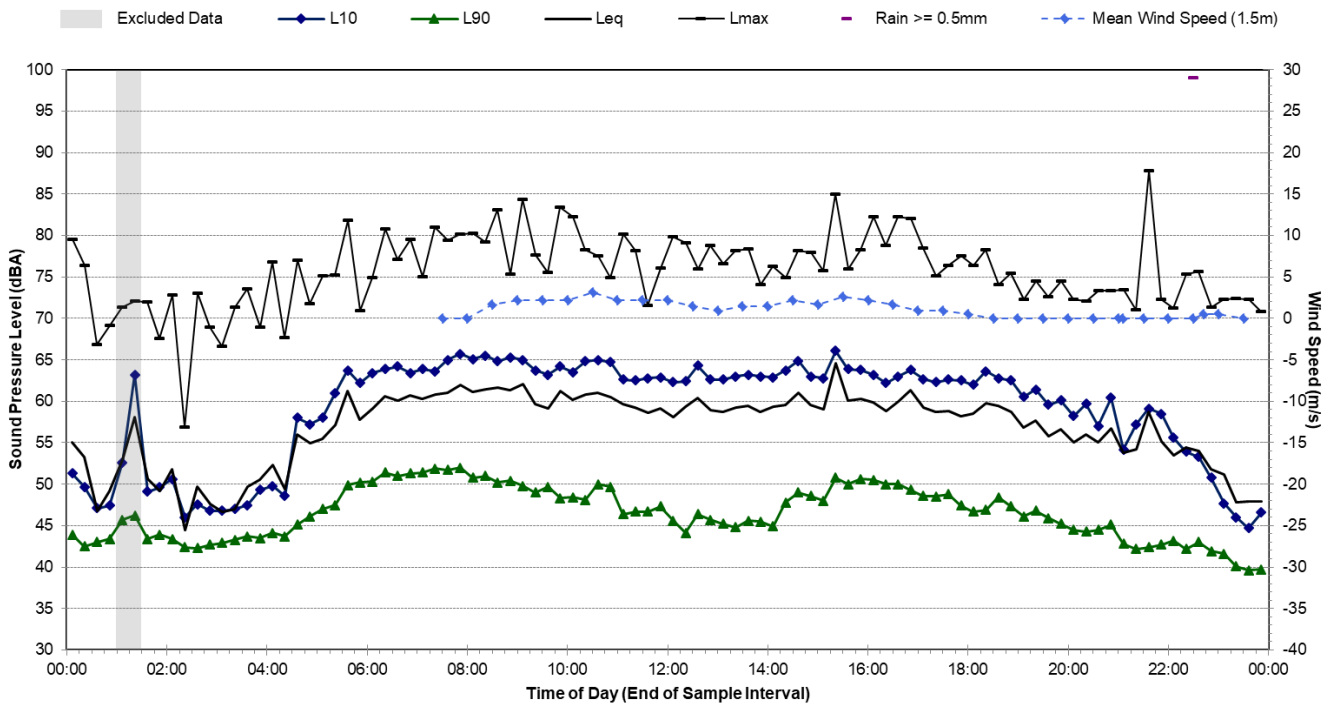
Statistical Ambient Noise Levels

10 Carnarvon St, Silverwater - Sunday, 28 July 2019



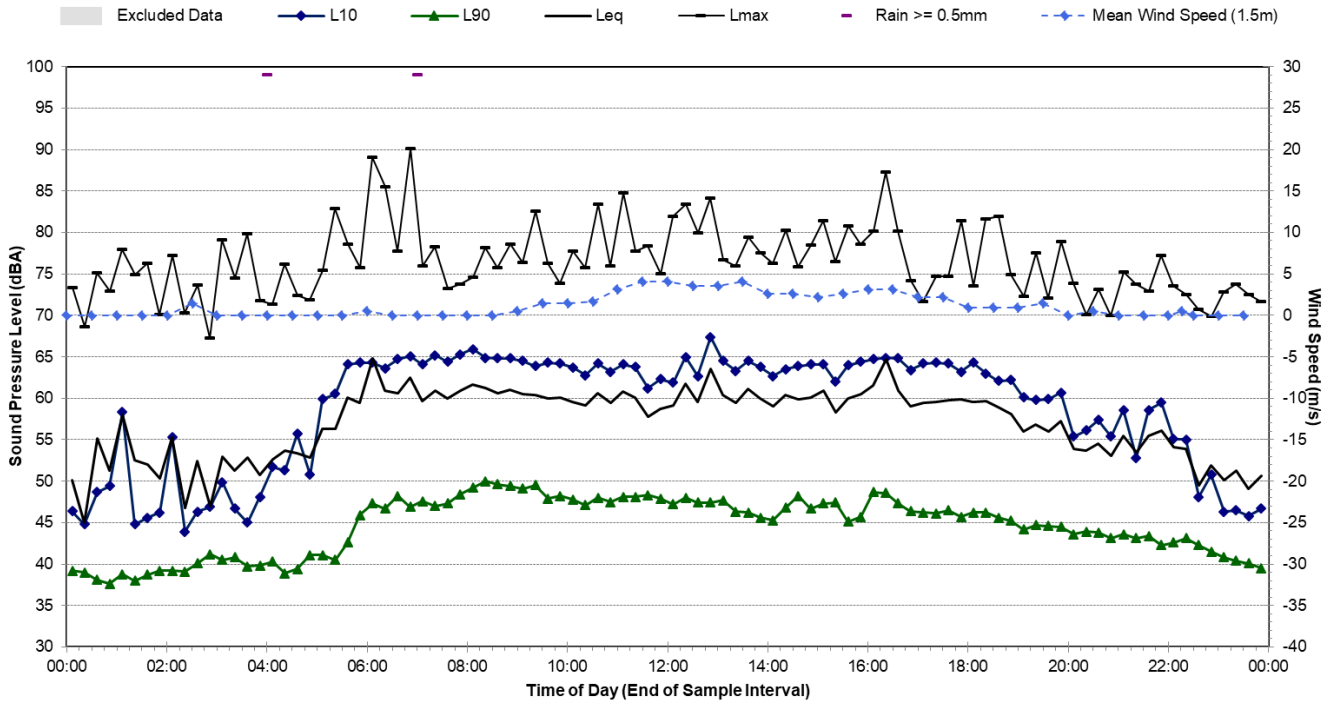
Statistical Ambient Noise Levels

10 Carnarvon St, Silverwater - Monday, 29 July 2019



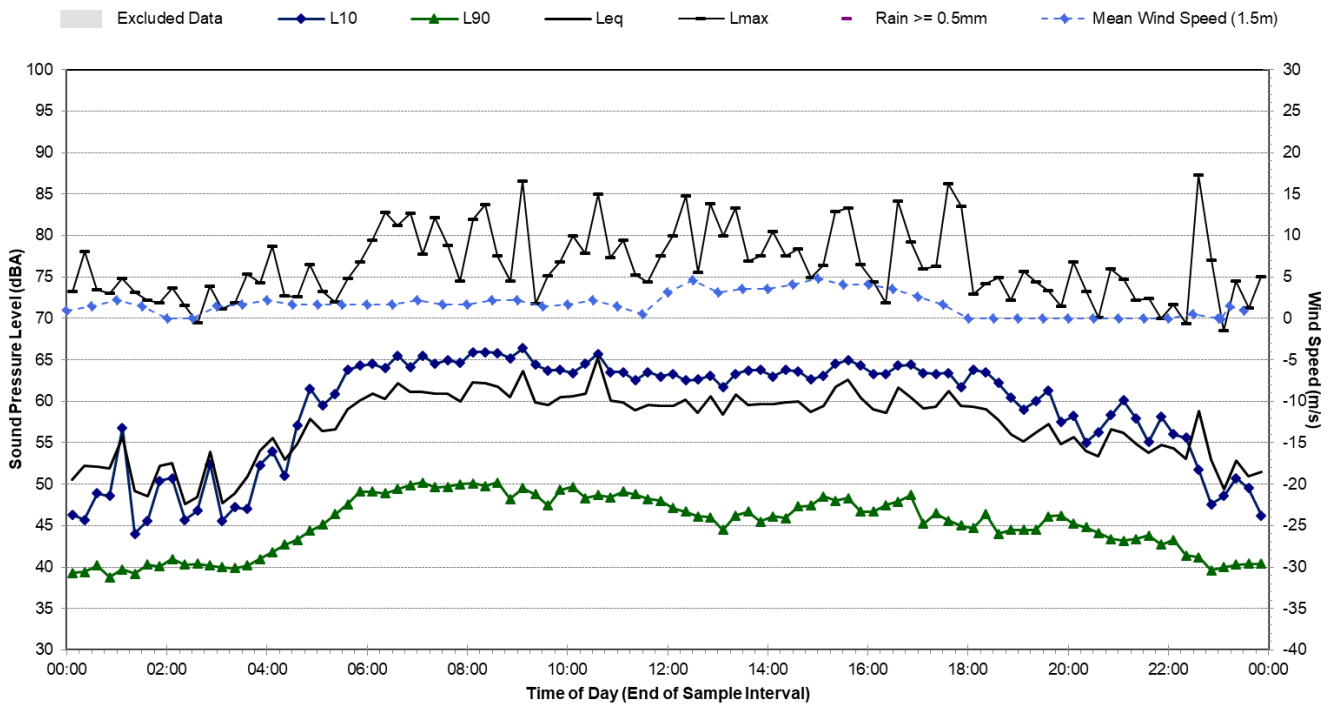
Statistical Ambient Noise Levels

10 Carnarvon St, Silverwater - Tuesday, 30 July 2019



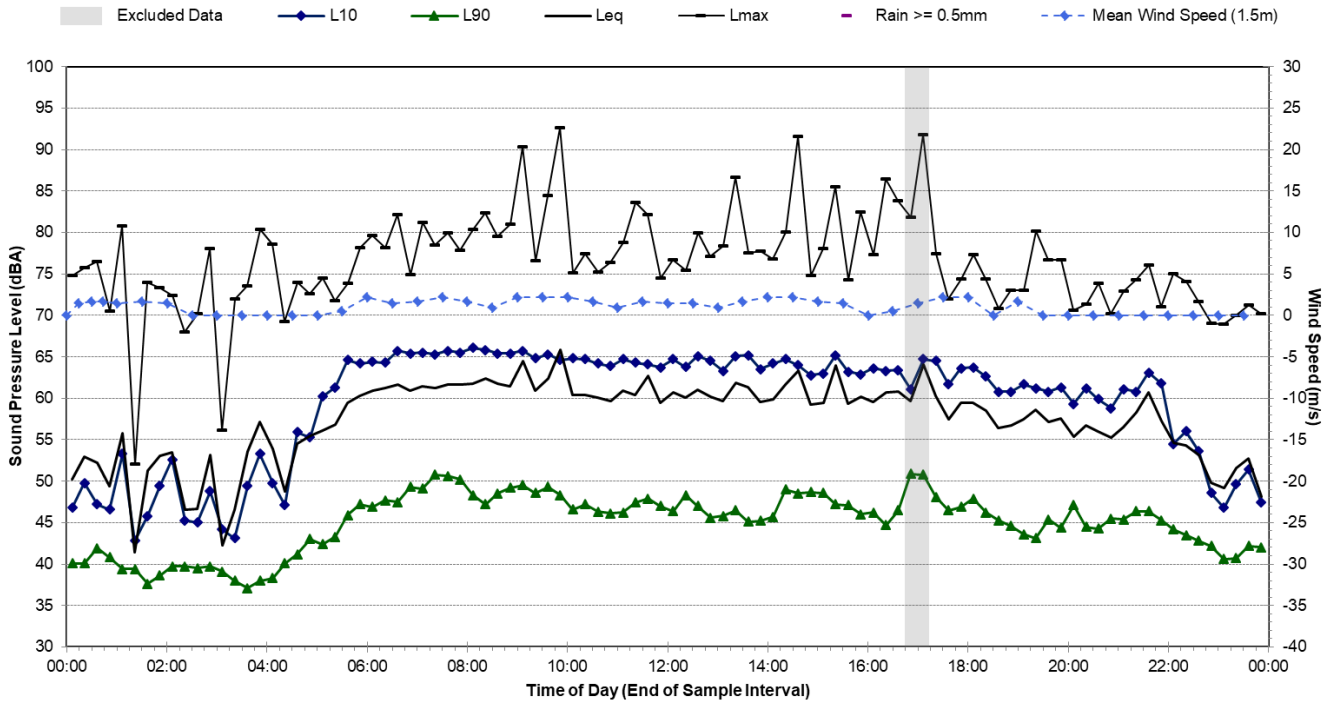
Statistical Ambient Noise Levels

10 Carnarvon St, Silverwater - Wednesday, 31 July 2019



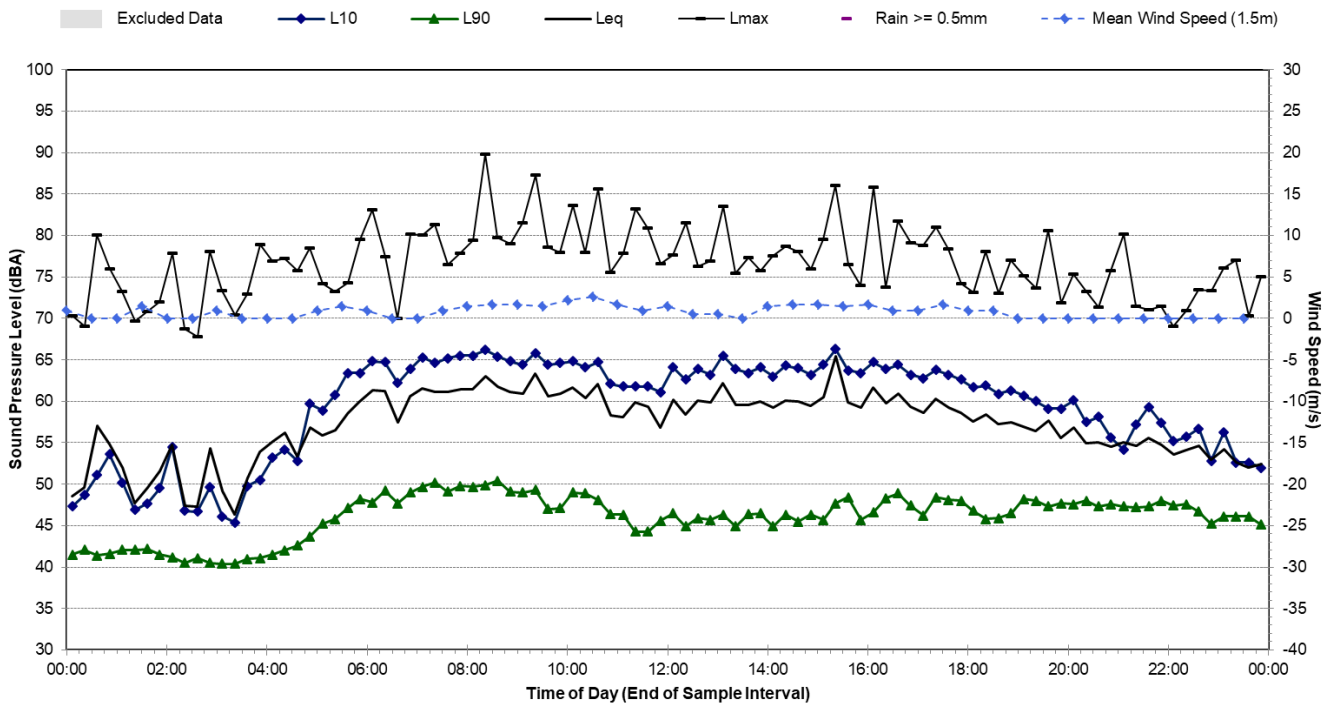
Statistical Ambient Noise Levels

10 Carnarvon St, Silverwater - Thursday, 1 August 2019



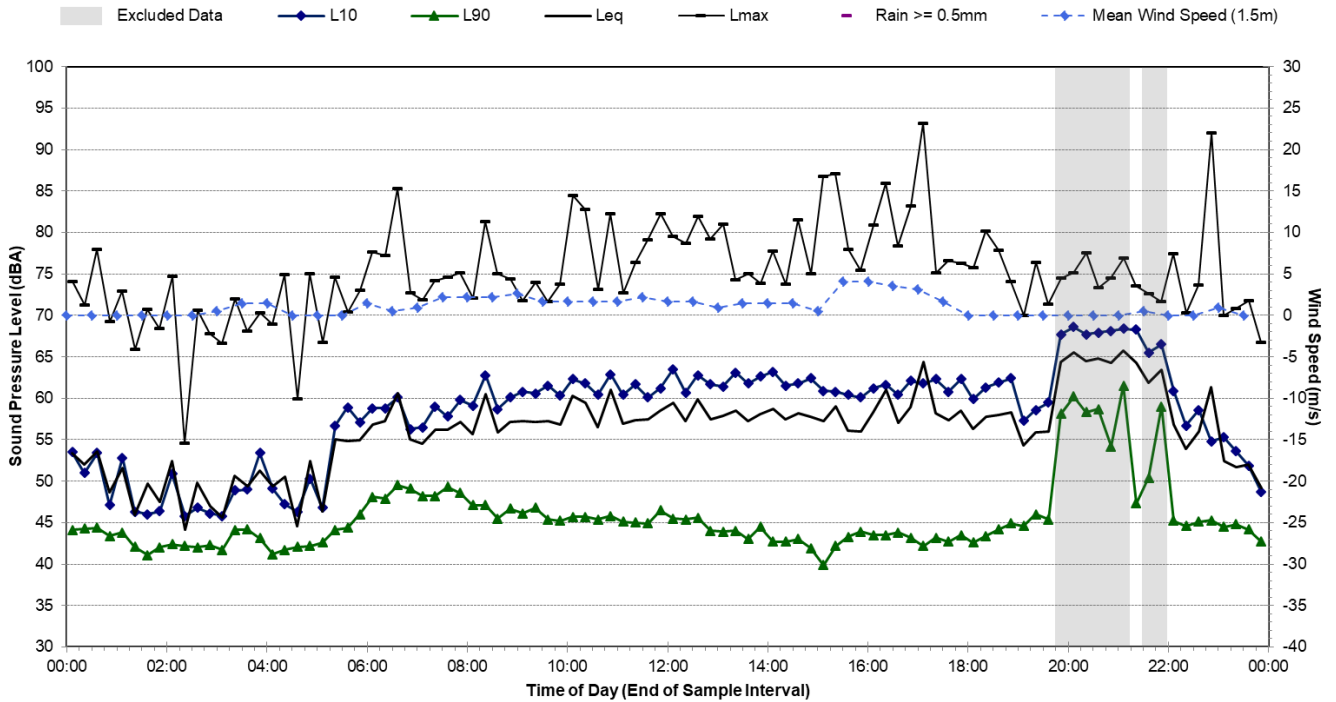
Statistical Ambient Noise Levels

10 Carnarvon St, Silverwater - Friday, 2 August 2019



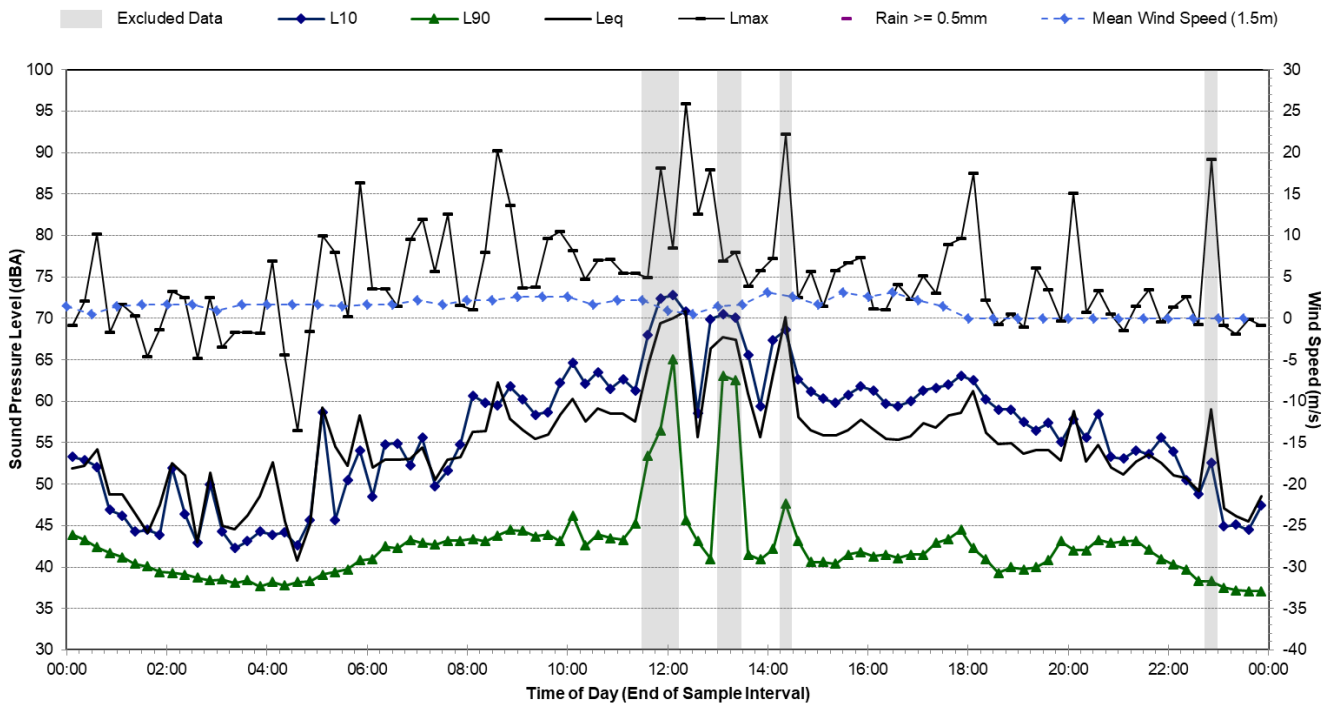
Statistical Ambient Noise Levels

10 Carnarvon St, Silverwater - Saturday, 3 August 2019



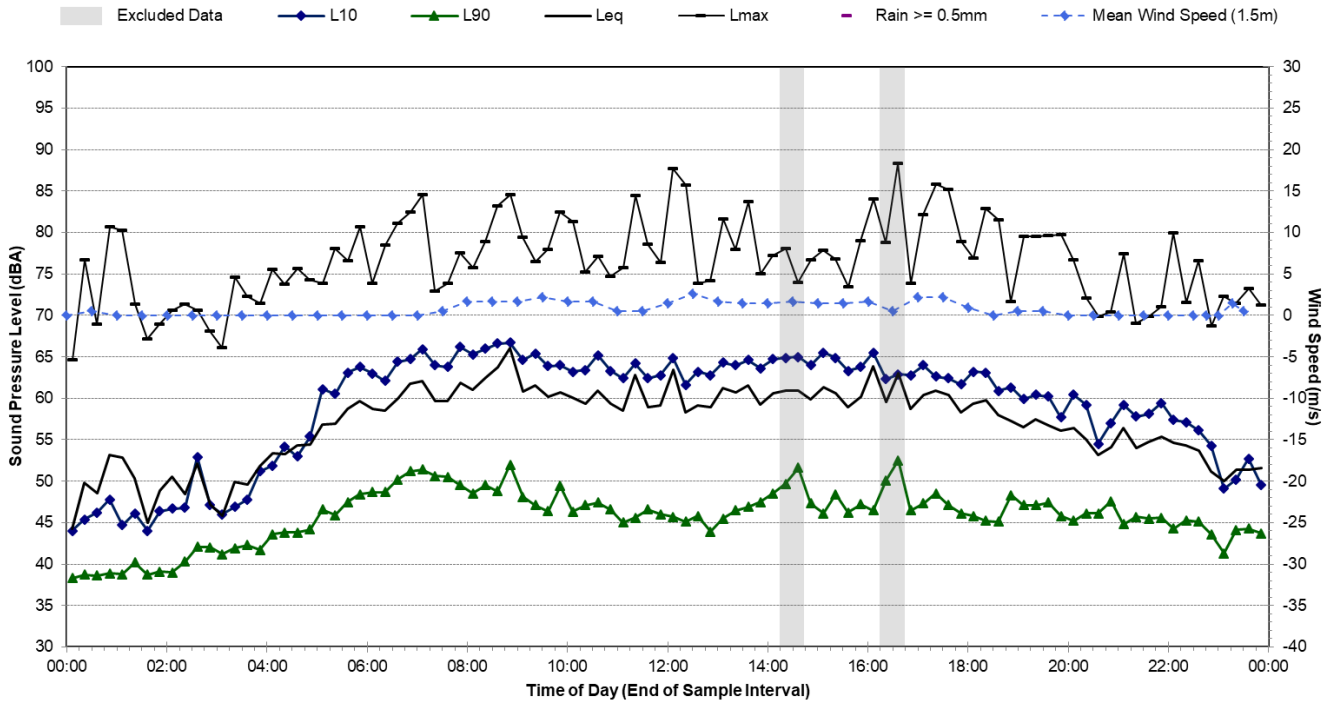
Statistical Ambient Noise Levels

10 Carnarvon St, Silverwater - Sunday, 4 August 2019



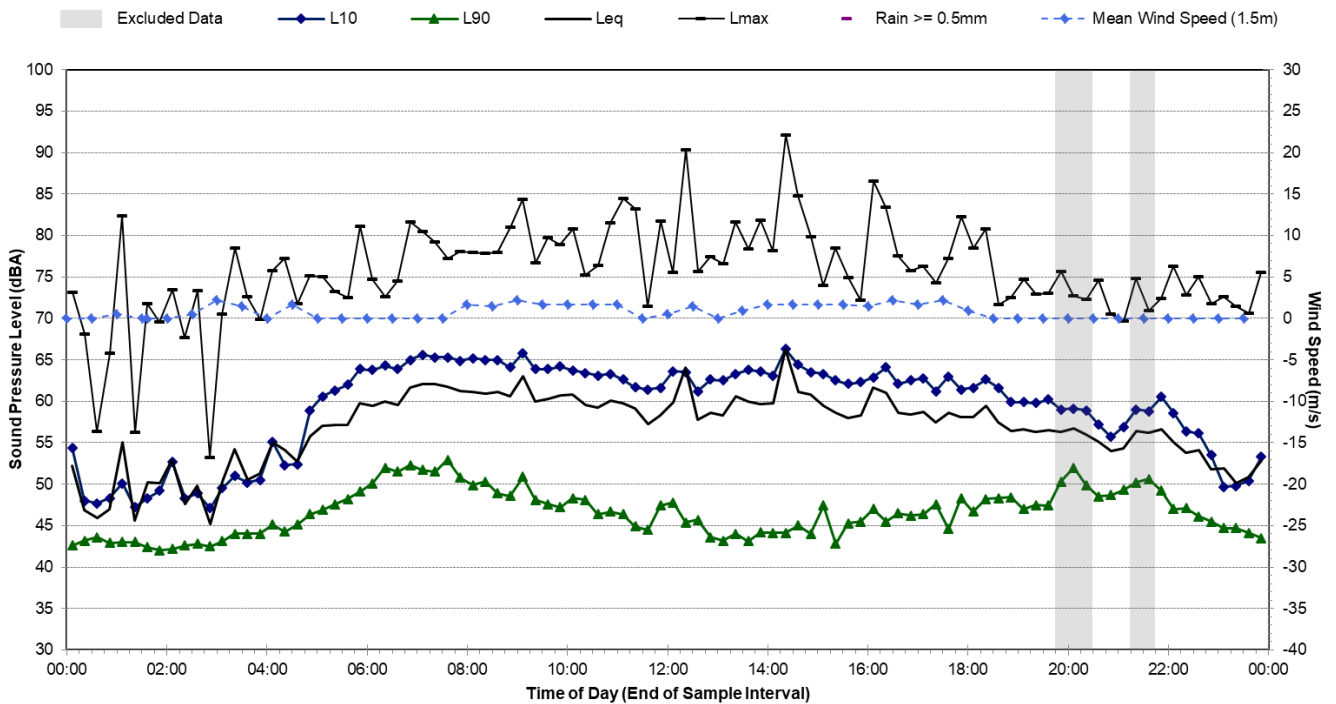
Statistical Ambient Noise Levels

10 Carnarvon St, Silverwater - Monday, 5 August 2019



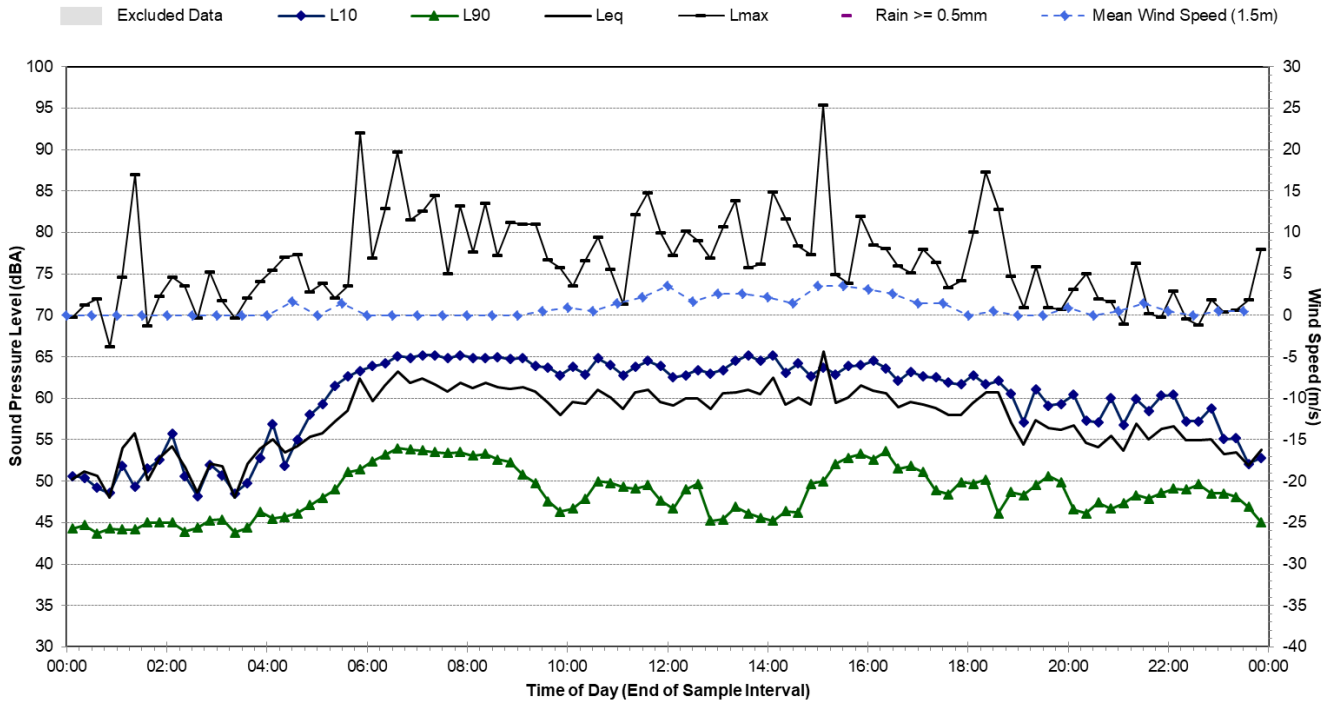
Statistical Ambient Noise Levels

10 Carnarvon St, Silverwater - Tuesday, 6 August 2019



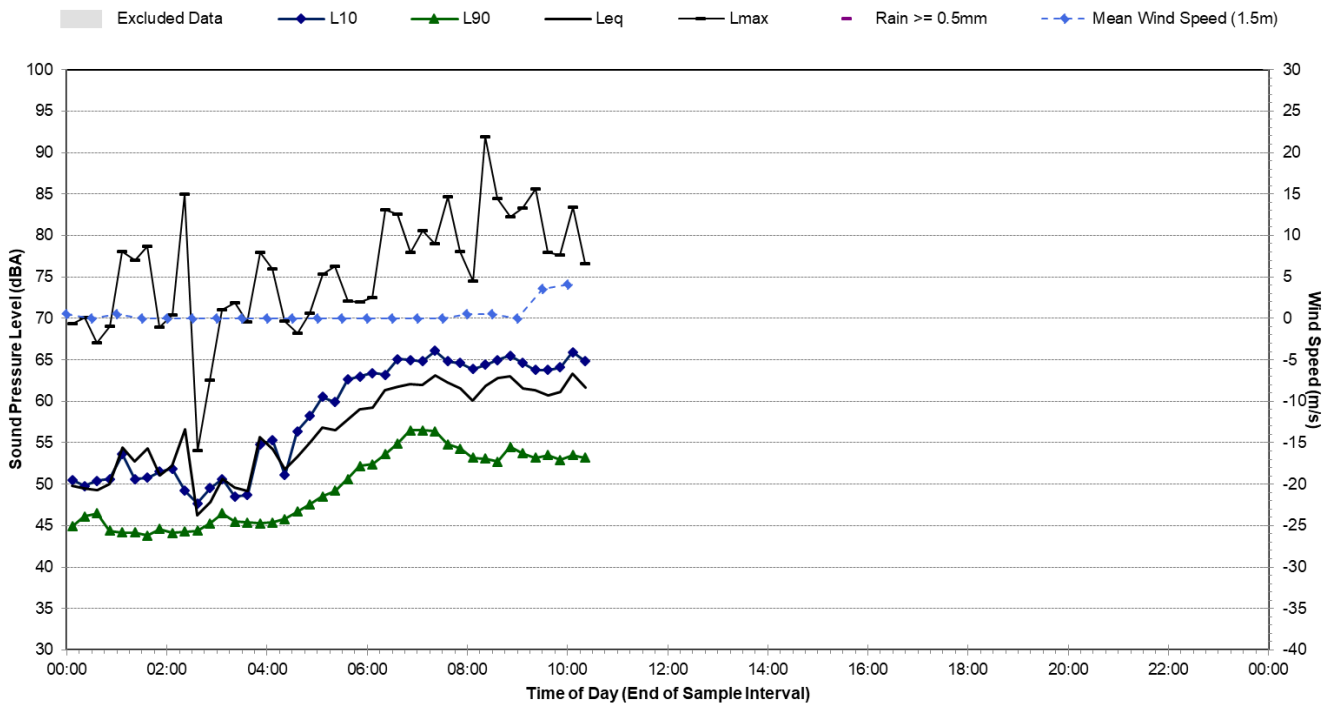
Statistical Ambient Noise Levels

10 Carnarvon St, Silverwater - Wednesday, 7 August 2019

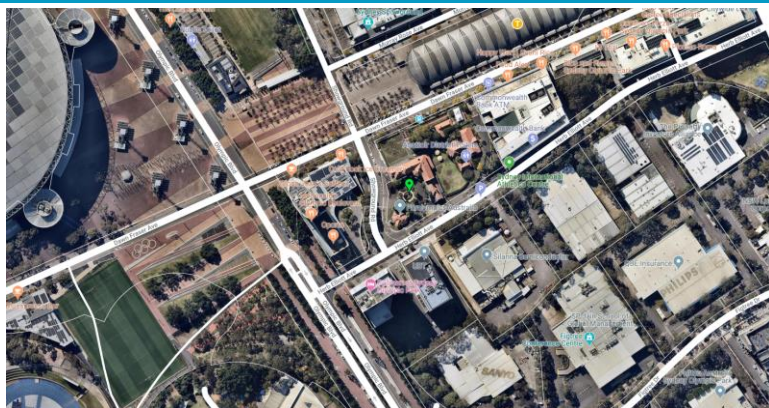



Statistical Ambient Noise Levels

10 Carnarvon St, Silverwater - Thursday, 8 August 2019



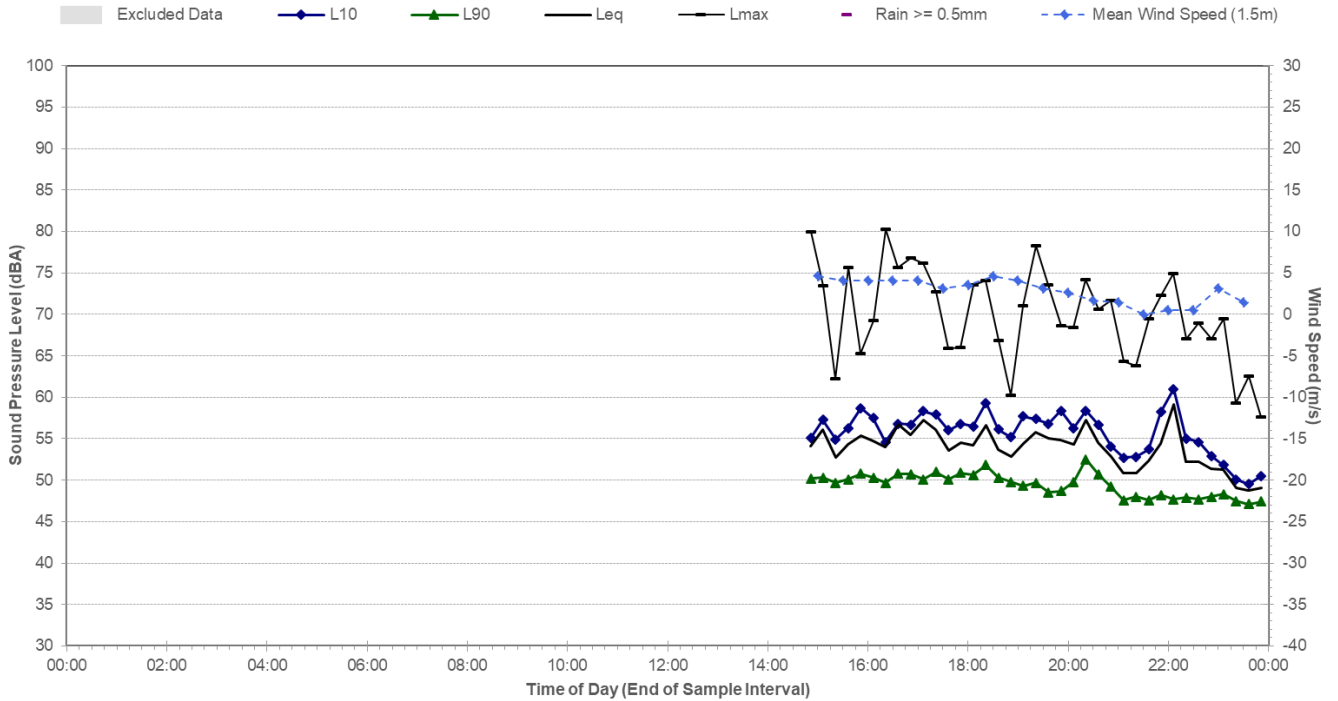
Noise Monitoring Location	B.08				Map of Noise Monitoring Location
Noise Monitoring Address	1 Herb Elliott Avenue, Sydney Olympic Park				
Logger Device Type: SVAN957, Logger Serial No: 20644 Sound Level Meter Device Type: Brüel and Kjær 2260, Sound Level Meter Serial No: 2414604					
Ambient noise logger located at 1 Herb Elliott Avenue, Sydney Olympic Park. Logger located with view of Herb Elliot Avenue to the south, Showground Road to the west and Dawn Fraser Avenue to the north.					
Attended noise measurements indicate the ambient noise environment at this location is dominated by road traffic noise from Herb Elliot Avenue to the south. Industrial noise also contributes to the measured noise levels.					
Measured noise levels (L _{Amax}): 18/02/2019: Light-vehicle traffic Herb Elliott Avenue: 53-58 dBA, Heavy-vehicle traffic Herb Elliott Avenue: 55-65 dBA, Industrial operations: 50-55 dBA, Aircraft: 58-67 dBA					
Ambient Noise Logging Results ICNG Defined Time Periods					Photo of Noise Monitoring Location
Monitoring Period (18/02/2019 – 05/03/2019)	Noise Level (dBA)				
	RBL	LAeq	L10	L1	
	Daytime	48	55	56	
	Evening	48	54	56	62
	Night-time	46	52	50	55
Ambient Noise Logging Results RNP Defined Time Periods					
Monitoring Period (18/02/2019 – 05/03/2019)	Noise Level (dBA)				
	LAeq(period)		LAeq(1hour)		
	Daytime (7am-10pm)		59		
Night-time (10pm-7am)		56			
Attended Noise Measurement Results					
Date	Start Time	Measured Noise Level (dBA)			
		LA90	LAeq	L _{Amax}	
18/02/2019	14:10	50	53	67	





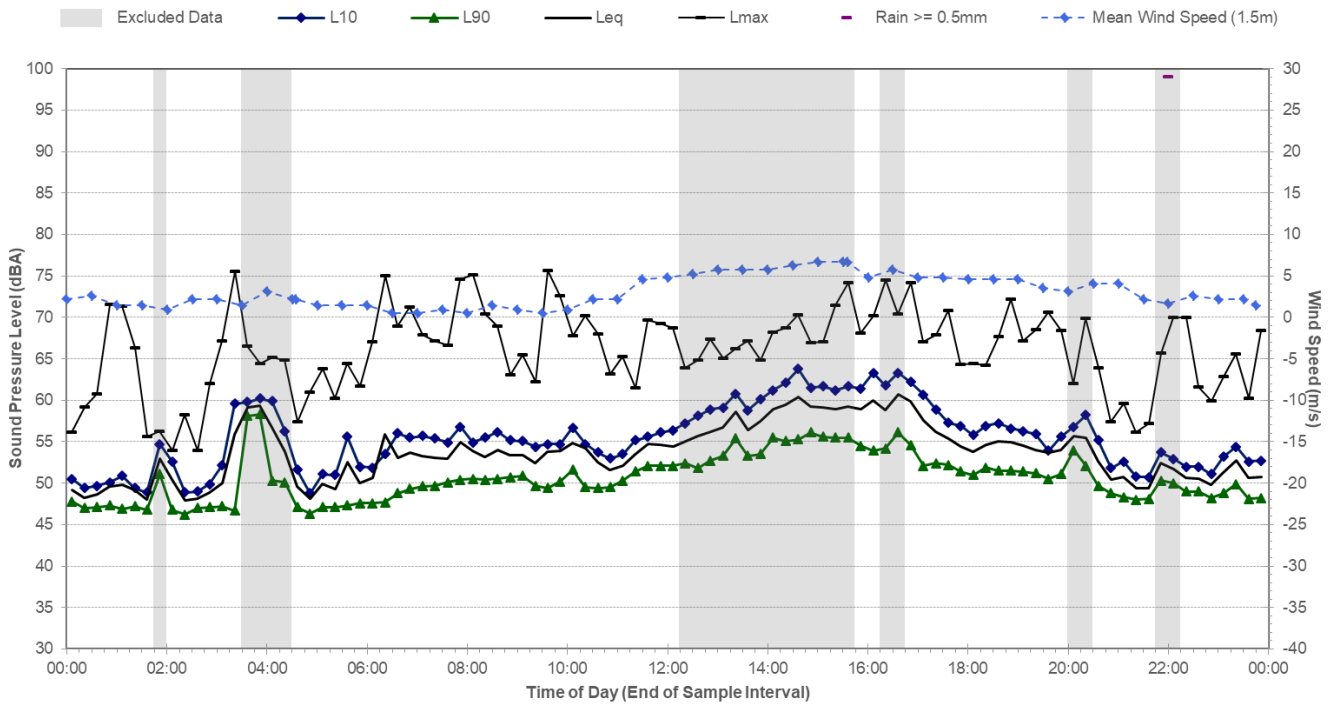
Statistical Ambient Noise Levels

1 Herb Elliott Ave, Sydney Olympic Park - Monday, 18 February 2019



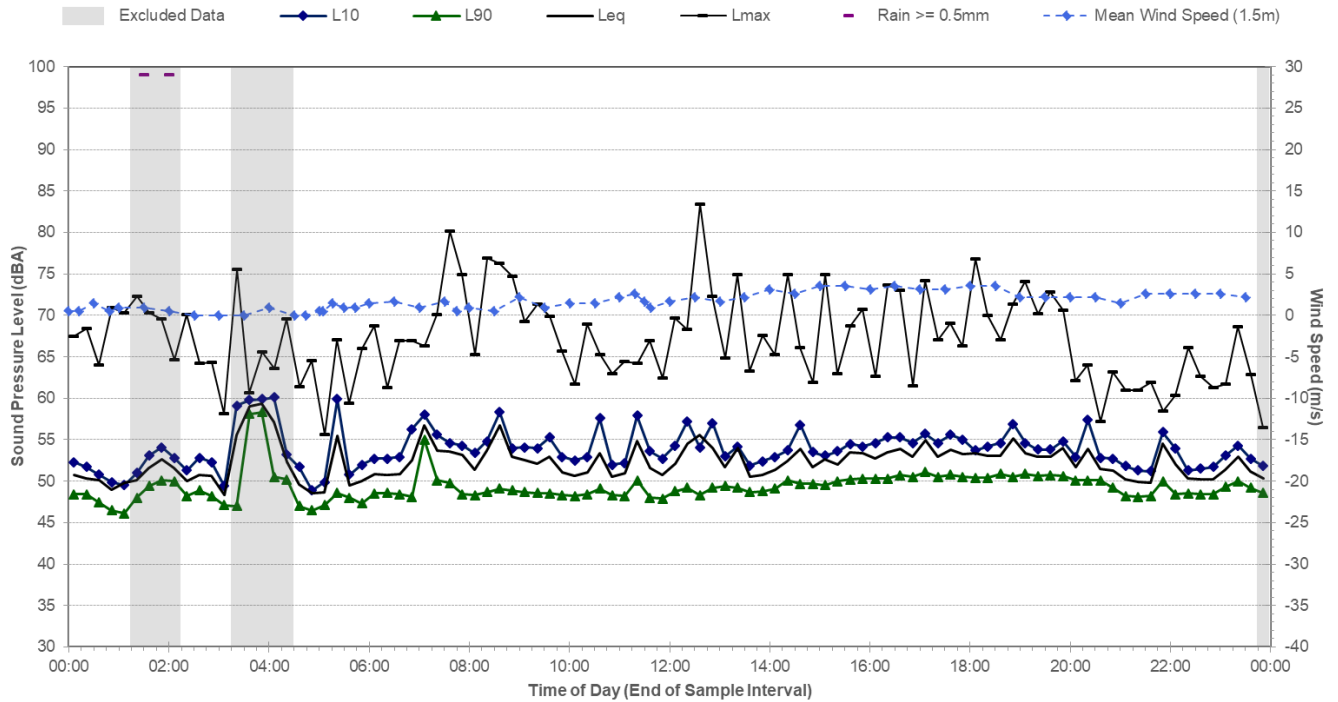
Statistical Ambient Noise Levels

1 Herb Elliott Ave, Sydney Olympic Park - Tuesday, 19 February 2019



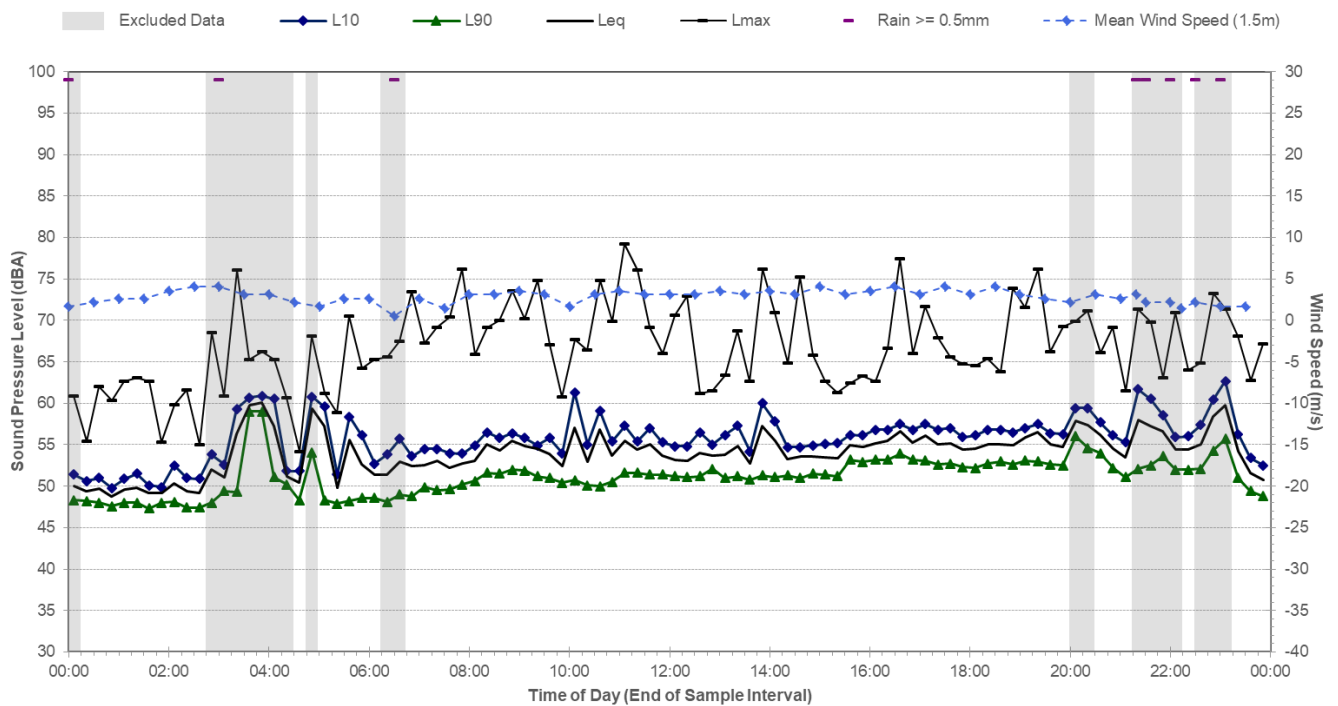
Statistical Ambient Noise Levels

1 Herb Elliott Ave, Sydney Olympic Park - Wednesday, 20 February 2019



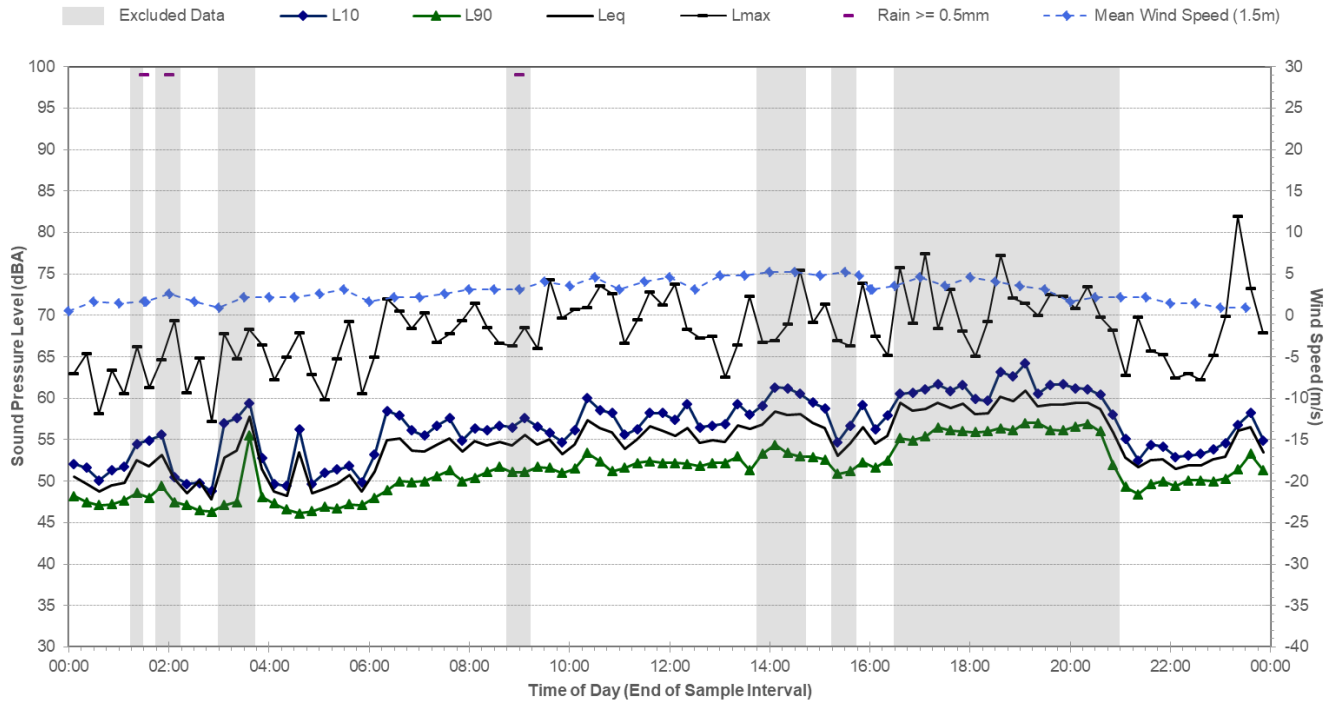
Statistical Ambient Noise Levels

1 Herb Elliott Ave, Sydney Olympic Park - Thursday, 21 February 2019



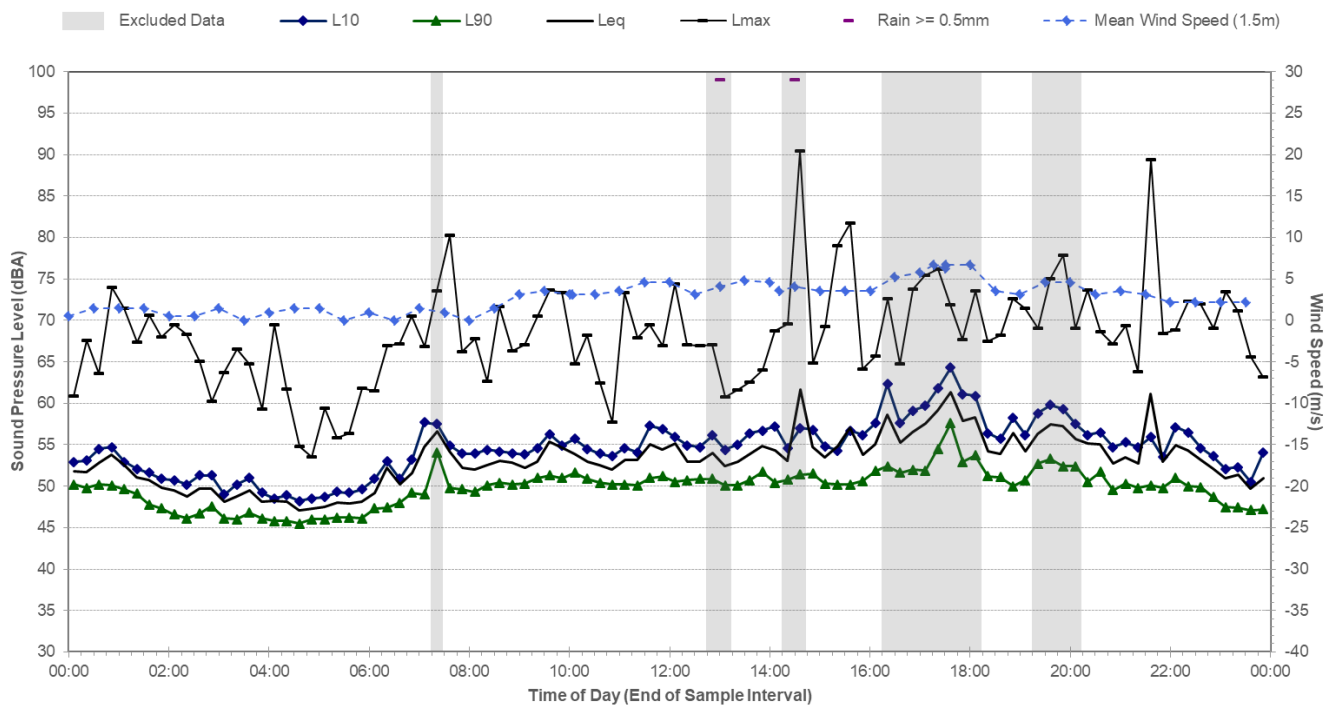
Statistical Ambient Noise Levels

1 Herb Elliott Ave, Sydney Olympic Park - Friday, 22 February 2019



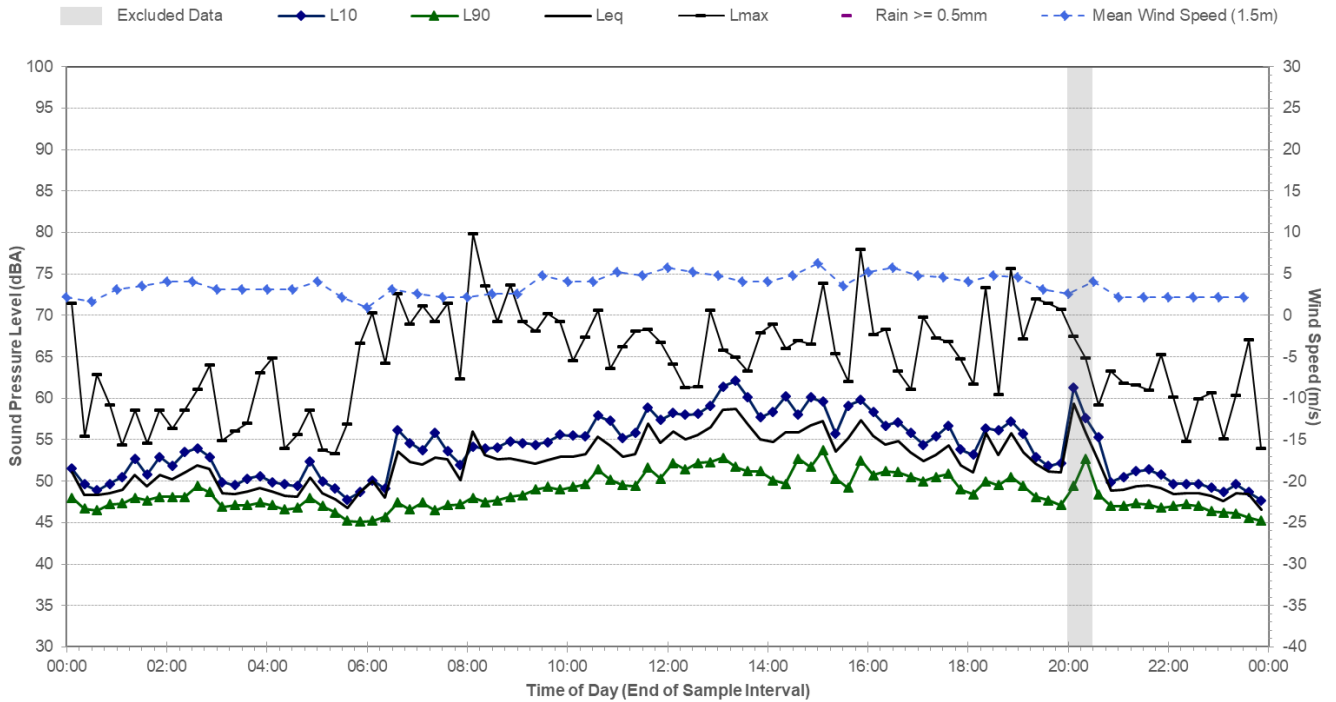
Statistical Ambient Noise Levels

1 Herb Elliott Ave, Sydney Olympic Park - Saturday, 23 February 2019



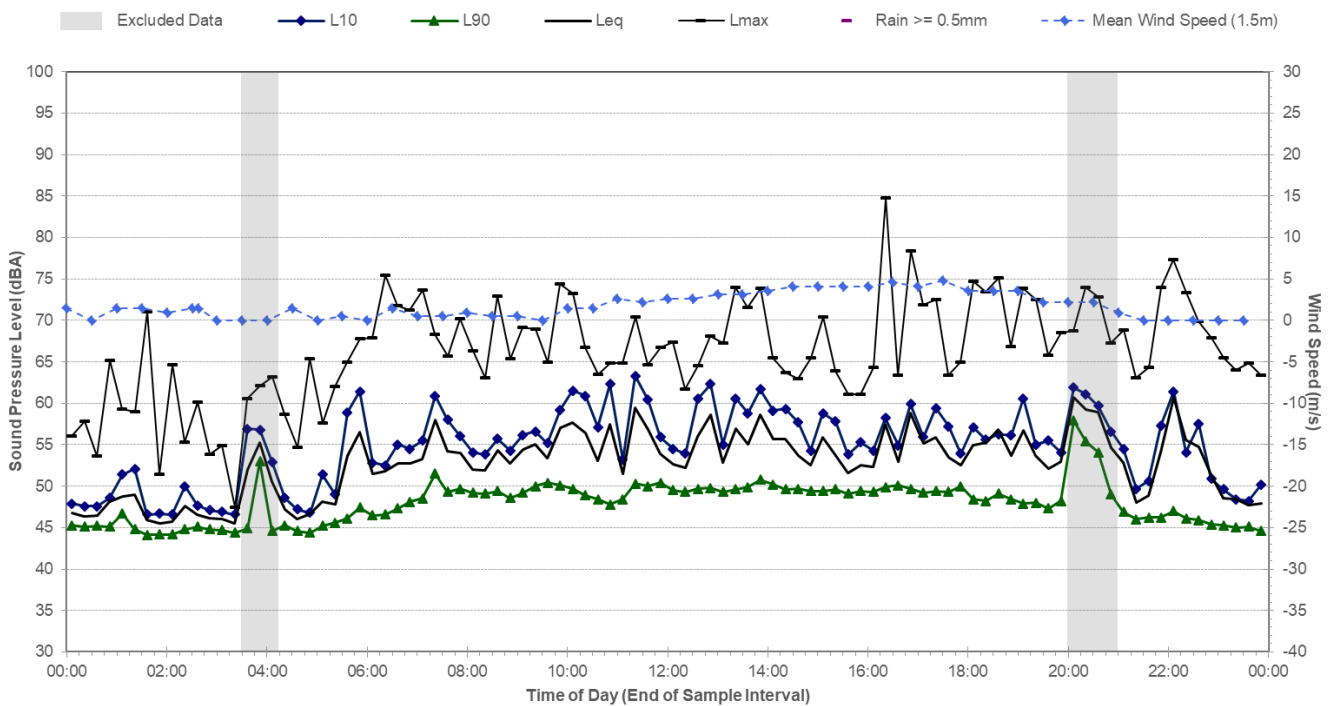
Statistical Ambient Noise Levels

1 Herb Elliott Ave, Sydney Olympic Park - Sunday, 24 February 2019



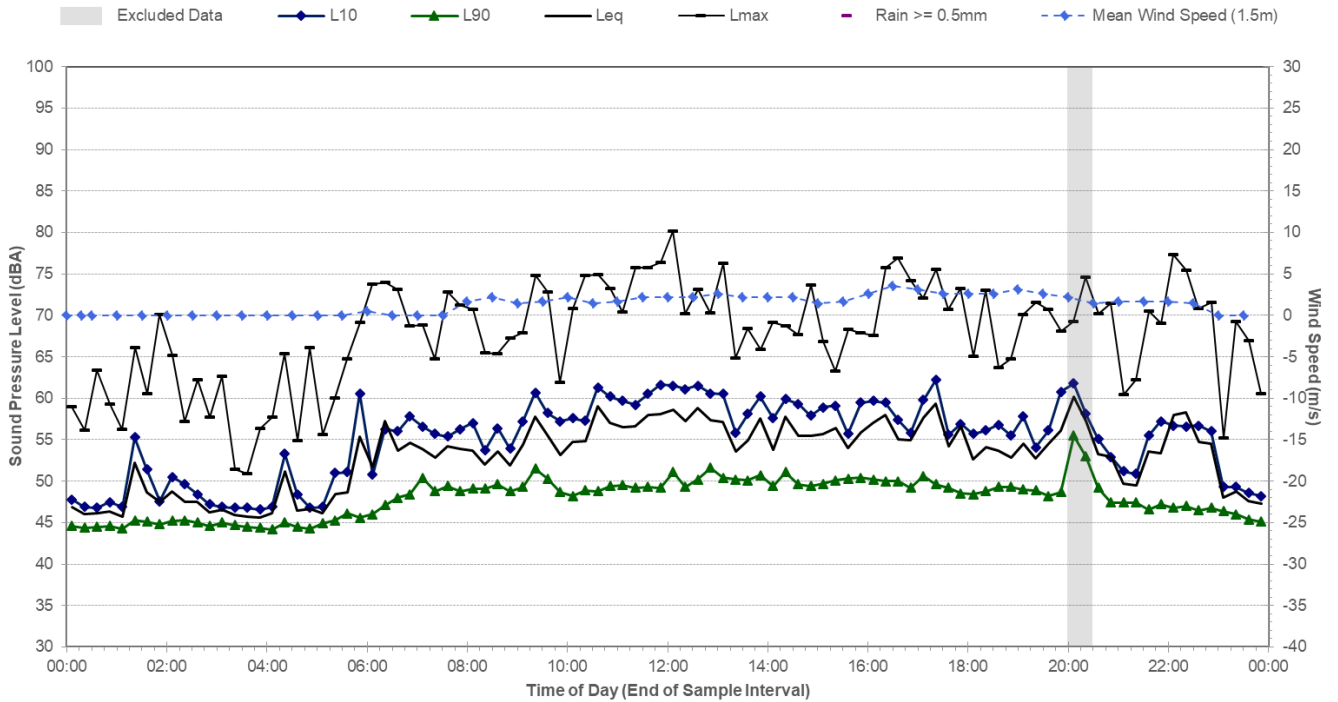
Statistical Ambient Noise Levels

1 Herb Elliott Ave, Sydney Olympic Park - Monday, 25 February 2019



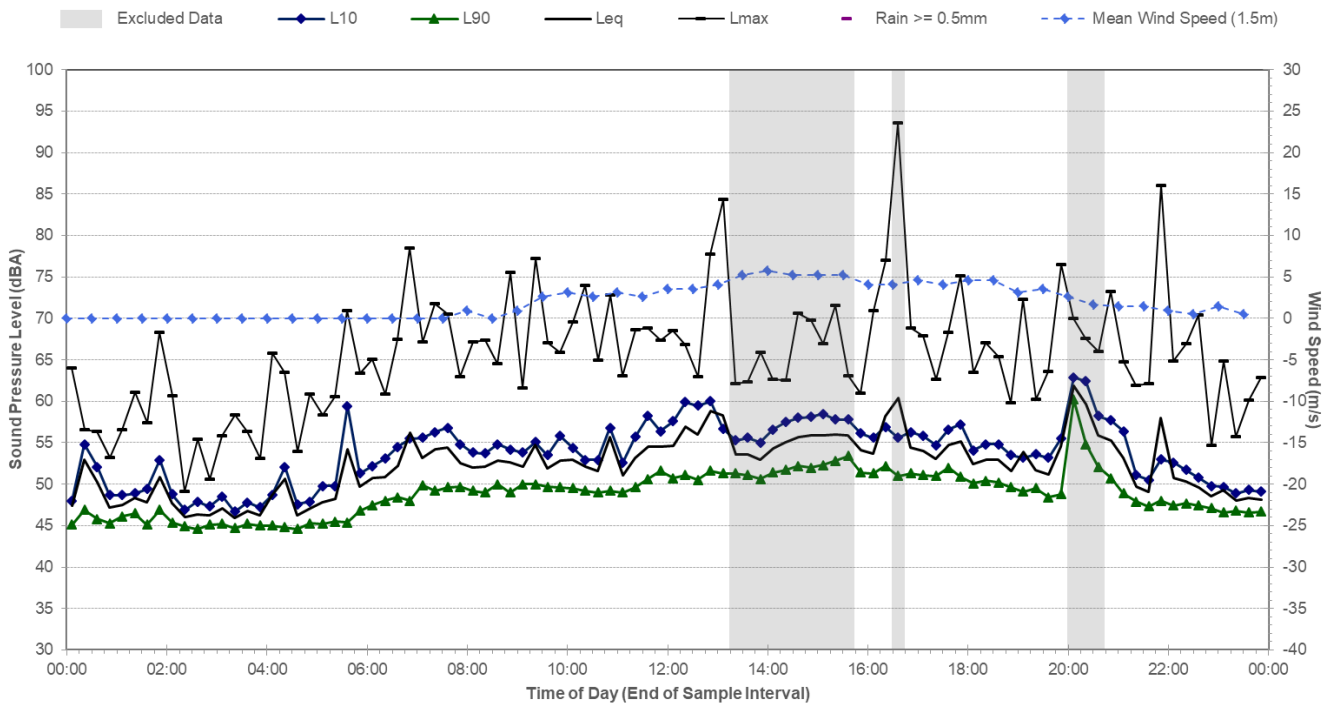
Statistical Ambient Noise Levels

1 Herb Elliott Ave, Sydney Olympic Park - Tuesday, 26 February 2019



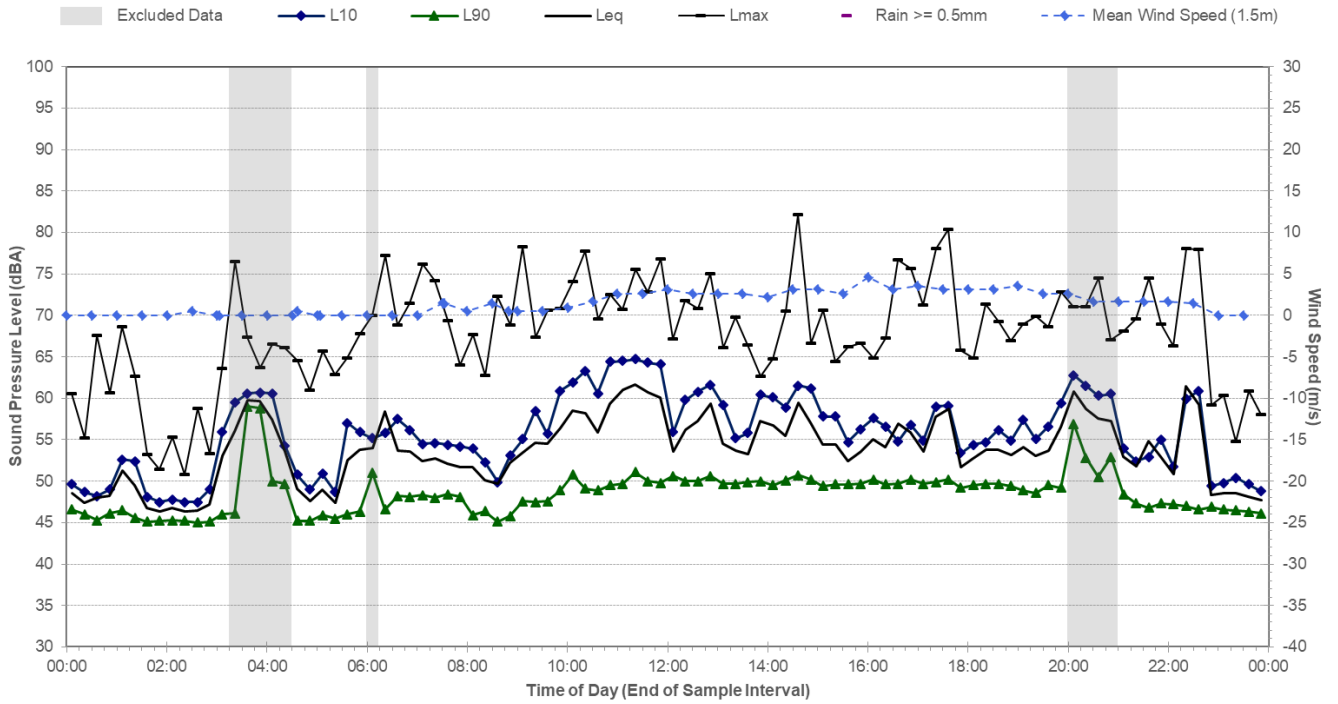
Statistical Ambient Noise Levels

1 Herb Elliott Ave, Sydney Olympic Park - Wednesday, 27 February 2019



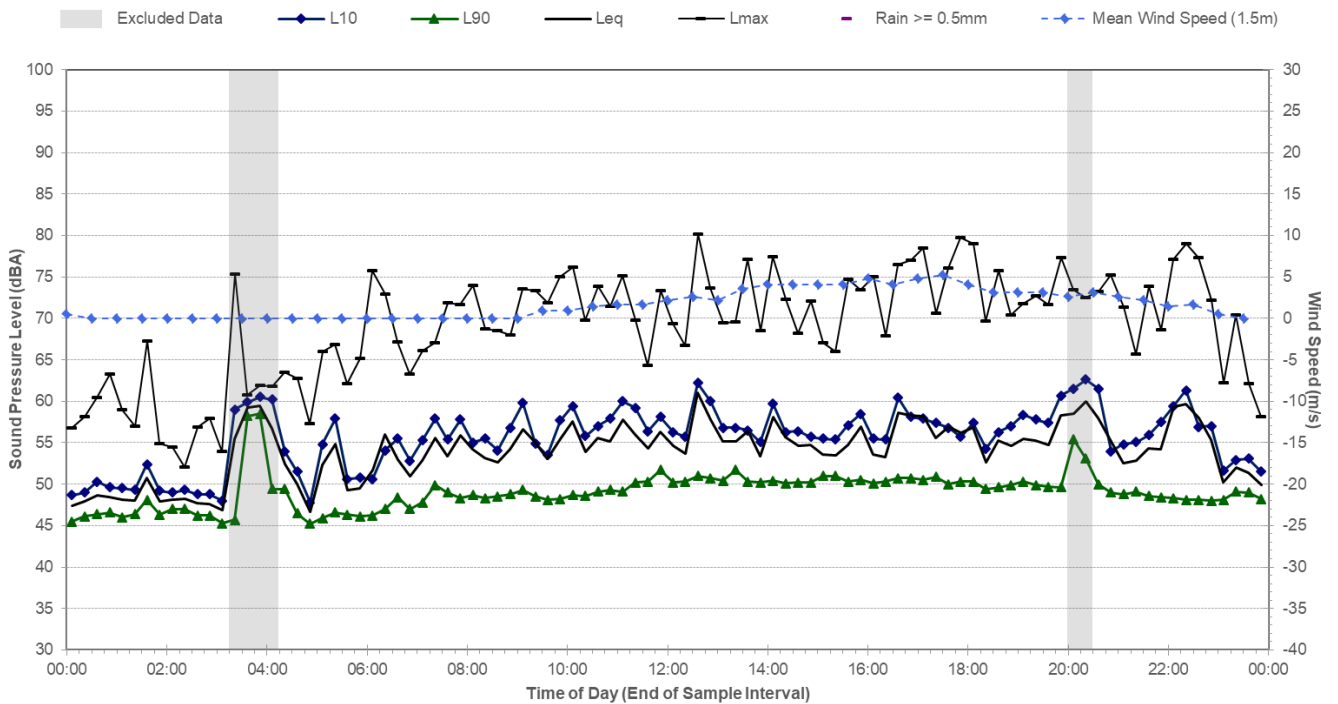
Statistical Ambient Noise Levels

1 Herb Elliott Ave, Sydney Olympic Park - Thursday, 28 February 2019



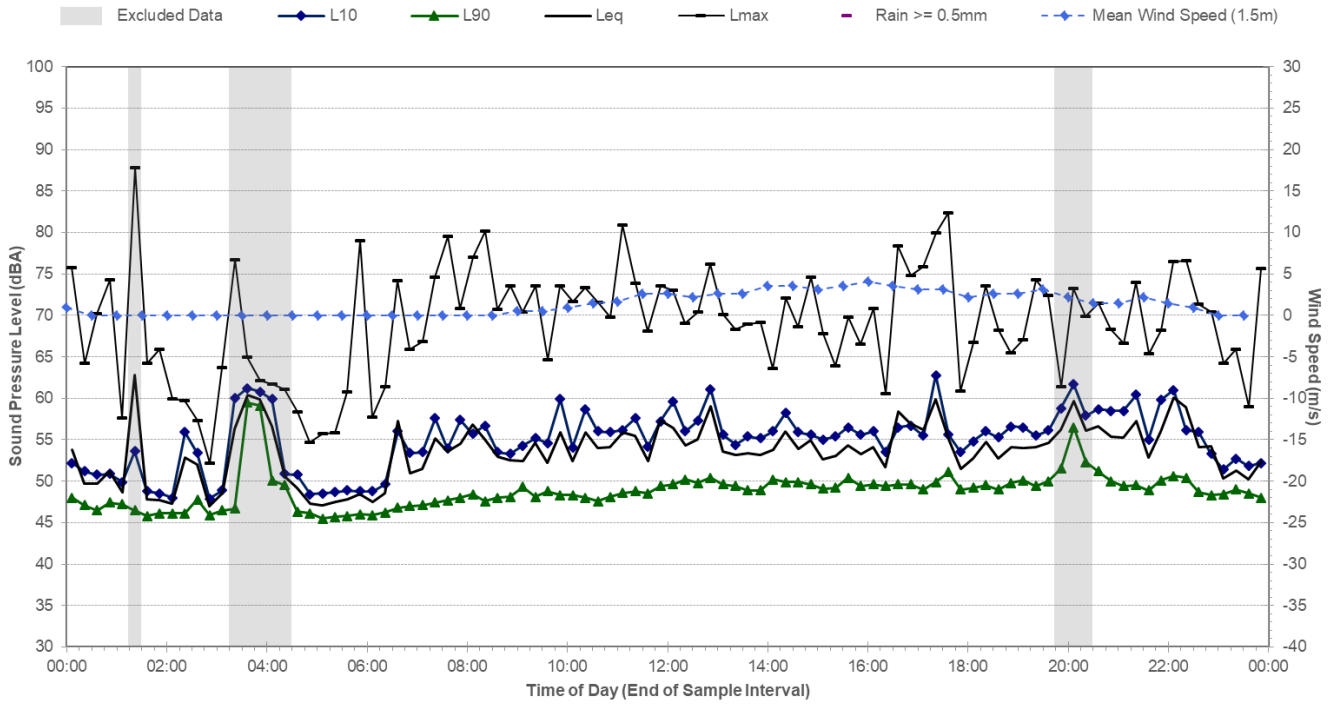
Statistical Ambient Noise Levels

1 Herb Elliott Ave, Sydney Olympic Park - Friday, 1 March 2019



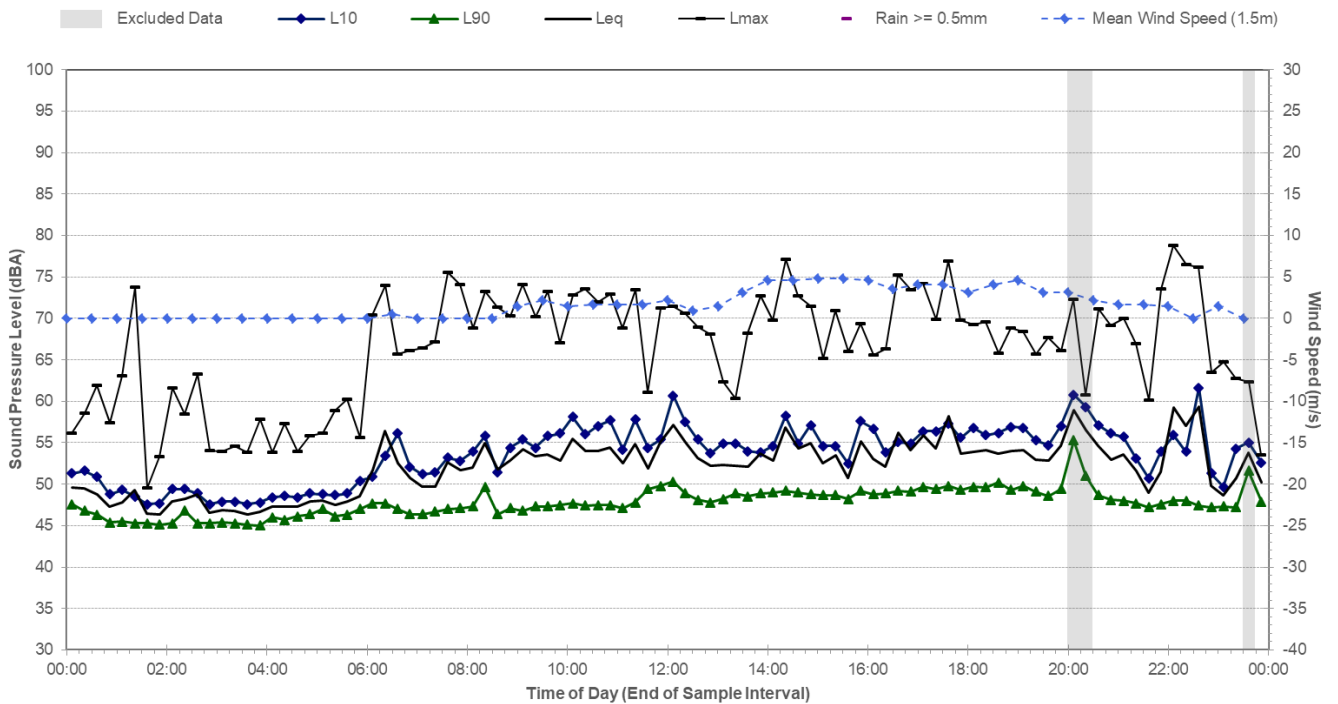
Statistical Ambient Noise Levels

1 Herb Elliott Ave, Sydney Olympic Park - Saturday, 2 March 2019



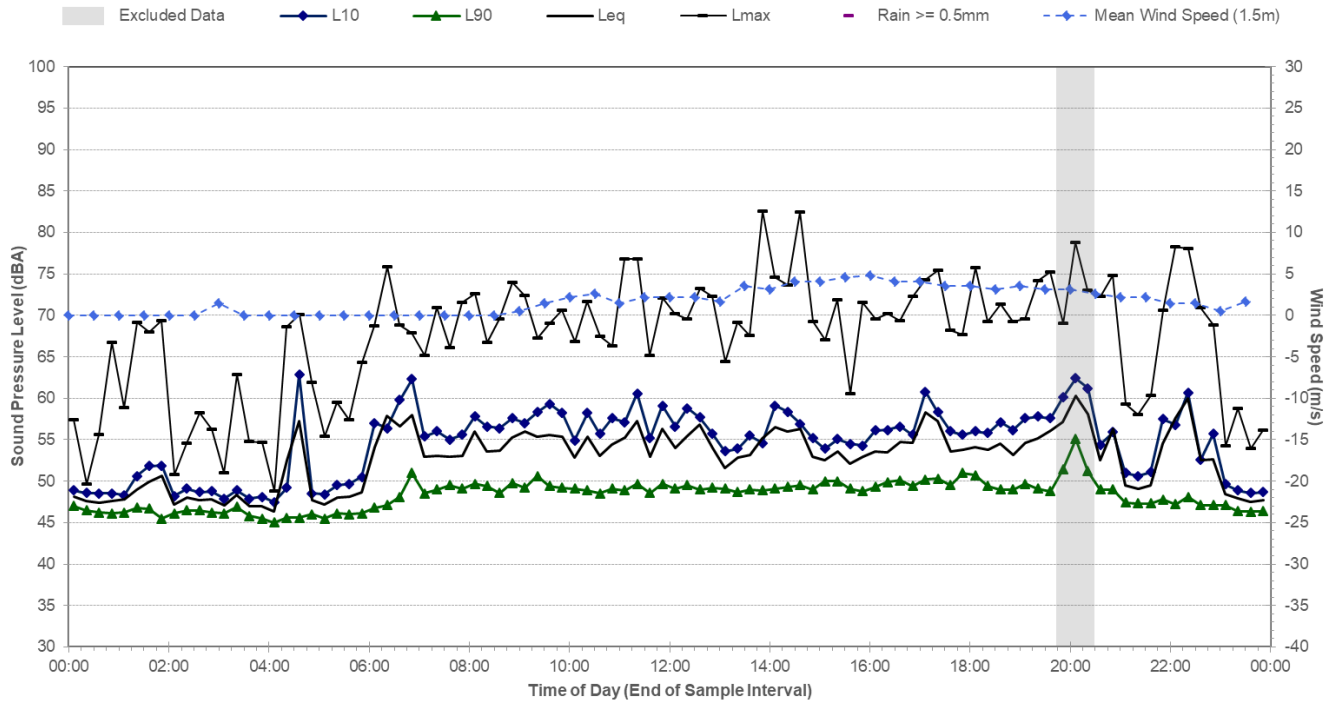
Statistical Ambient Noise Levels

1 Herb Elliott Ave, Sydney Olympic Park - Sunday, 3 March 2019



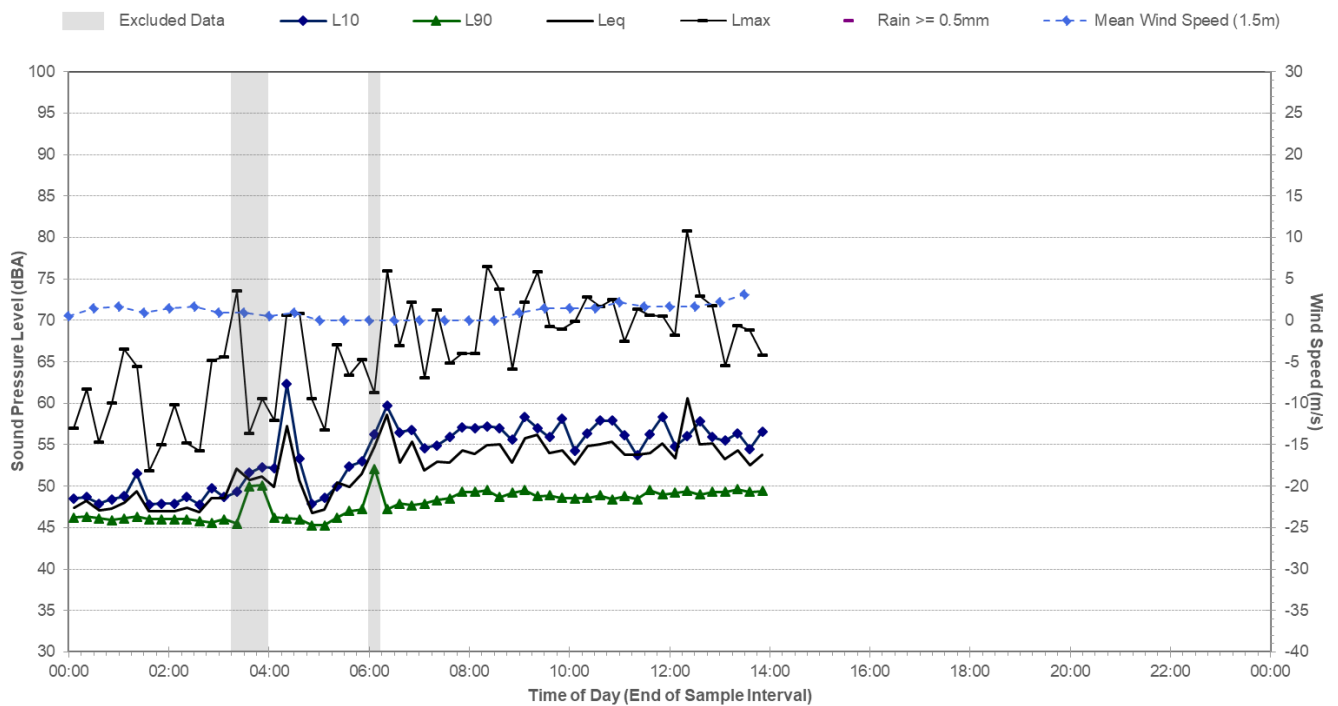
Statistical Ambient Noise Levels



1 Herb Elliott Ave, Sydney Olympic Park - Monday, 4 March 2019



Statistical Ambient Noise Levels

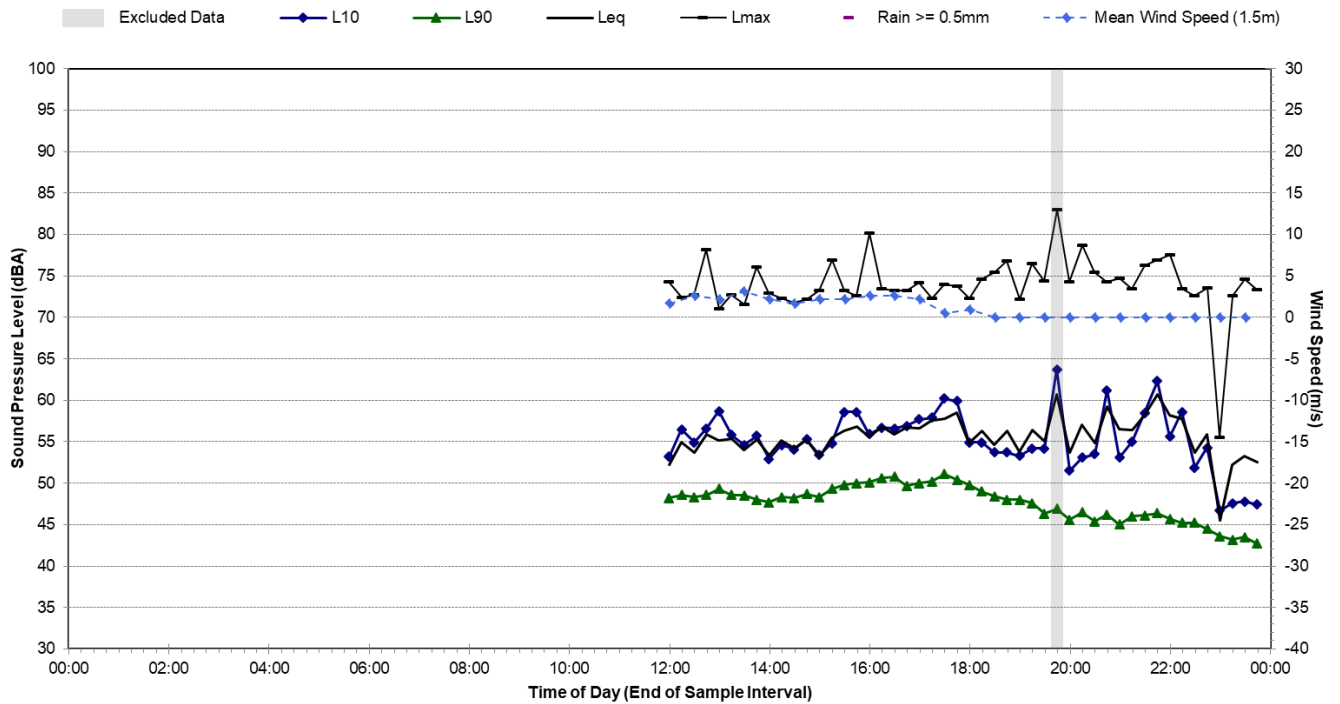
1 Herb Elliott Ave, Sydney Olympic Park - Tuesday, 5 March 2019



Noise Monitoring Location		B.09			Map of Noise Monitoring Location	
Noise Monitoring Address		6 Parkview Drive, Sydney Olympic Park				
Logger Device Type: SVAN957, Logger Serial No: 23815 Sound Level Meter Device Type: Brüel and Kjær 2260, Sound Level Meter Serial No: 2115053						
Ambient noise logger located at 6 Parkview Drive, Sydney Olympic Park. Logger located with view of Parkview Drive, and Australia Avenue and the Olympic Park Rail Line to the west.						
Attended noise measurements indicate the ambient noise environment at this location is dominated by road traffic noise from Parkview Drive to the north and Australia Avenue to the west. Train Passbys and industrial/commercial noise also contribute to the measured noise levels.						
Measured noise levels (L _{Amax}): 06/05/2019: Light-vehicle traffic Parkview Drive: 54-60 dBA, Heavy-vehicle traffic Parkview Drive: 55-63 dBA, Industrial/Commercial operations: 51-62 dBA, Train Passby: 61-73 dBA, Birds: 53-75 dBA						
Ambient Noise Logging Results ICNG Defined Time Periods						
Monitoring Period (06/05/2019 – 23/05/2019)		Noise Level (dBA)				
	RBL	LAeq	L10	L1		
Daytime	48	57	57	70		
Evening	46	58	56	71		
Night-time	41	53	48	56		
Ambient Noise Logging Results RNP Defined Time Periods						
Monitoring Period (06/05/2019 – 23/05/2019)		Noise Level (dBA)				
	LAeq(period)		LAeq(1hour)			
Daytime (7am-10pm)	57		60			
Night-time (10pm-7am)	53		59			
Attended Noise Measurement Results						
Date	Start Time	Measured Noise Level (dBA)				
		LA90	LAeq	L _{Amax}		
06/05/2019	14:10	49	54	75		

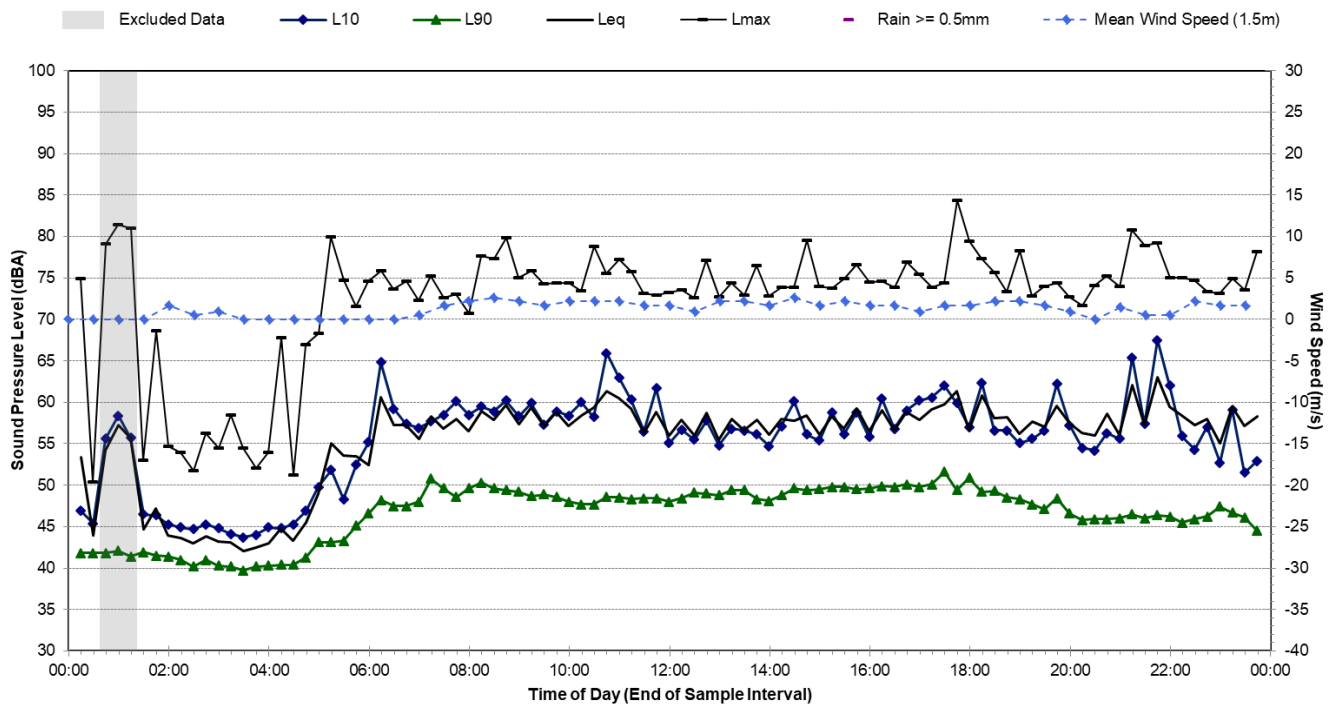
Statistical Ambient Noise Levels

6 Parkview Dr, Sydney Olympic Park - Monday, 6 May 2019



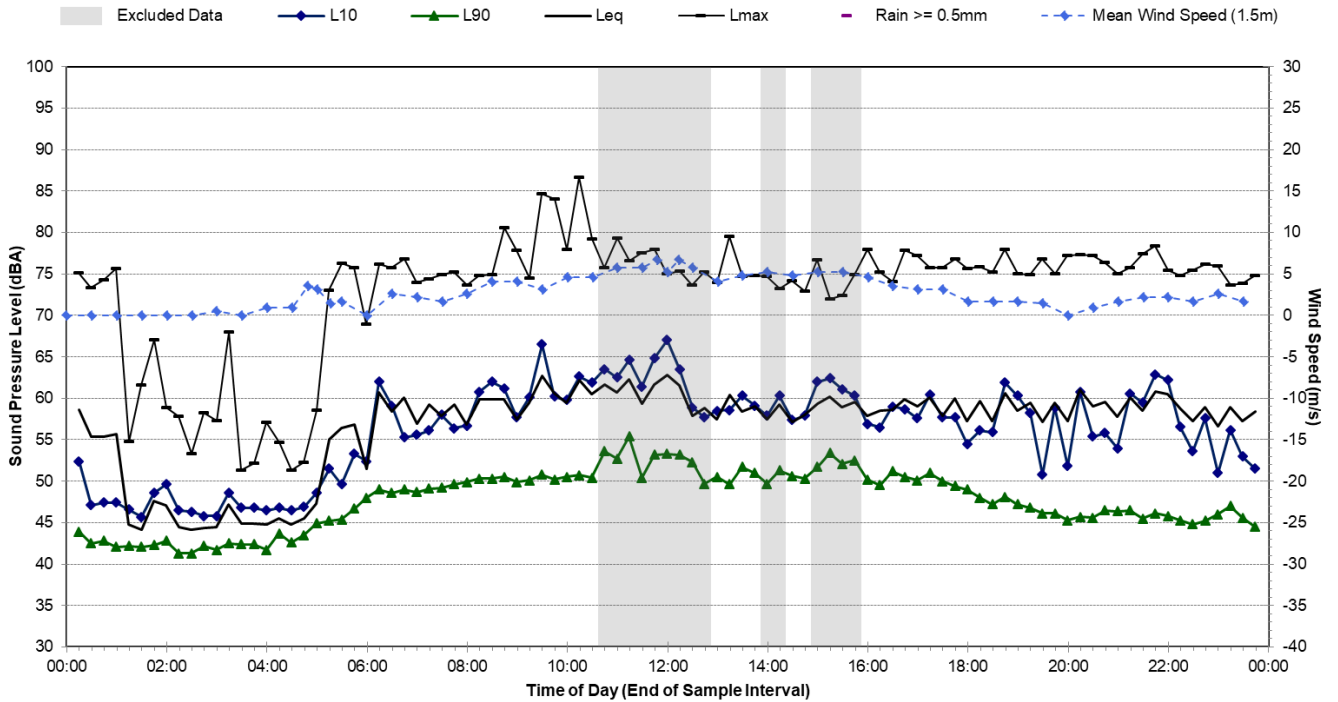
Statistical Ambient Noise Levels

6 Parkview Dr, Sydney Olympic Park - Tuesday, 7 May 2019



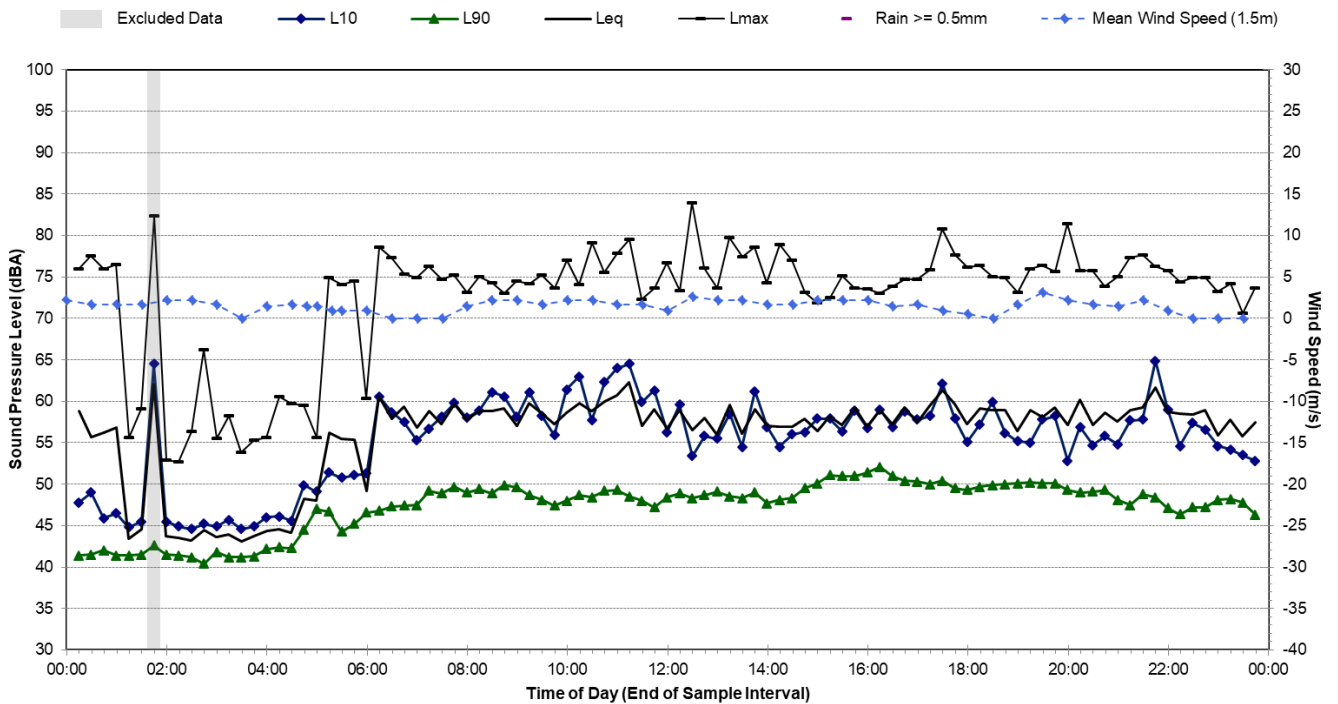
Statistical Ambient Noise Levels

6 Parkview Dr, Sydney Olympic Park - Wednesday, 8 May 2019



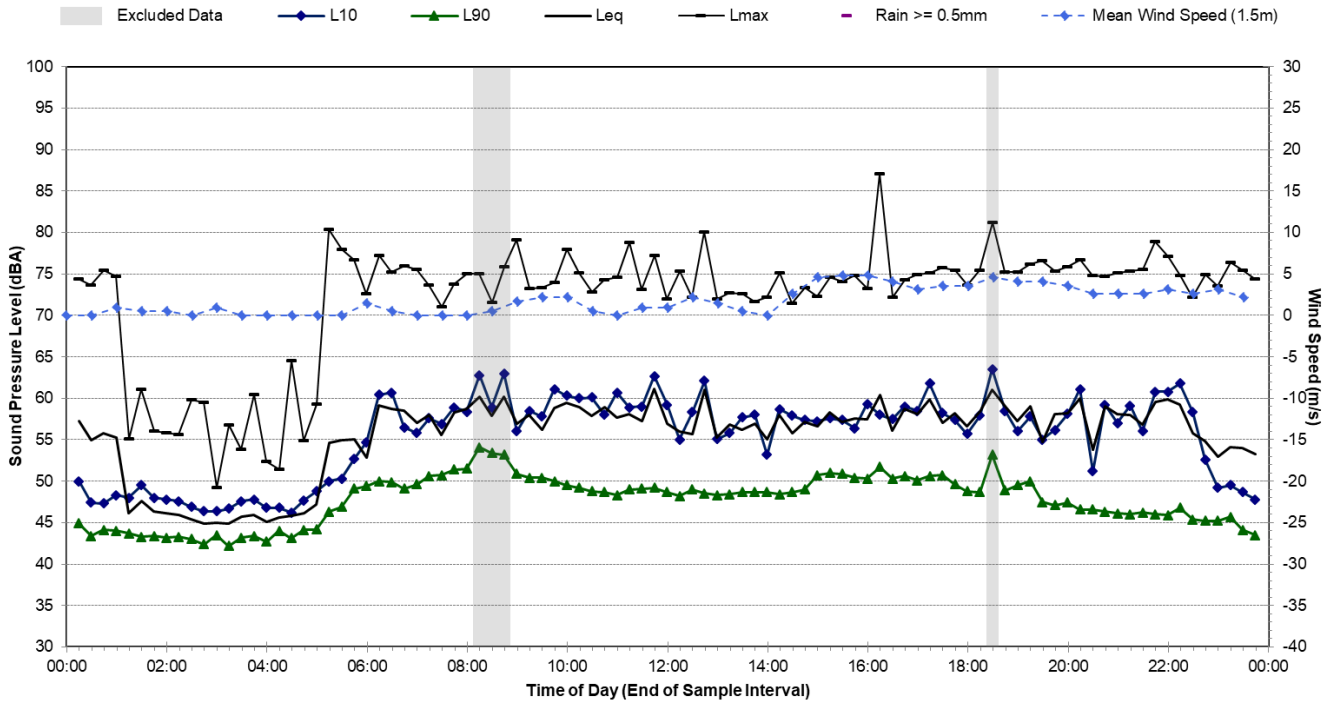
Statistical Ambient Noise Levels

6 Parkview Dr, Sydney Olympic Park - Thursday, 9 May 2019



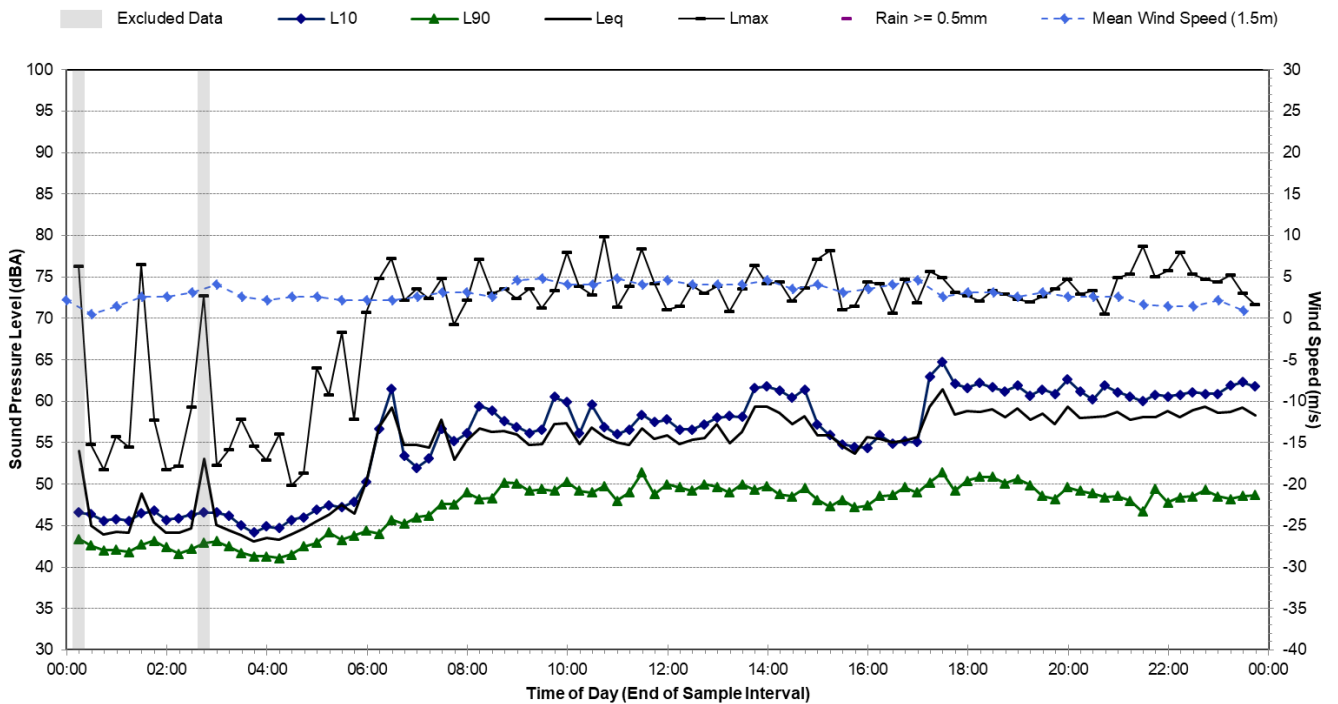
Statistical Ambient Noise Levels

6 Parkview Dr, Sydney Olympic Park - Friday, 10 May 2019



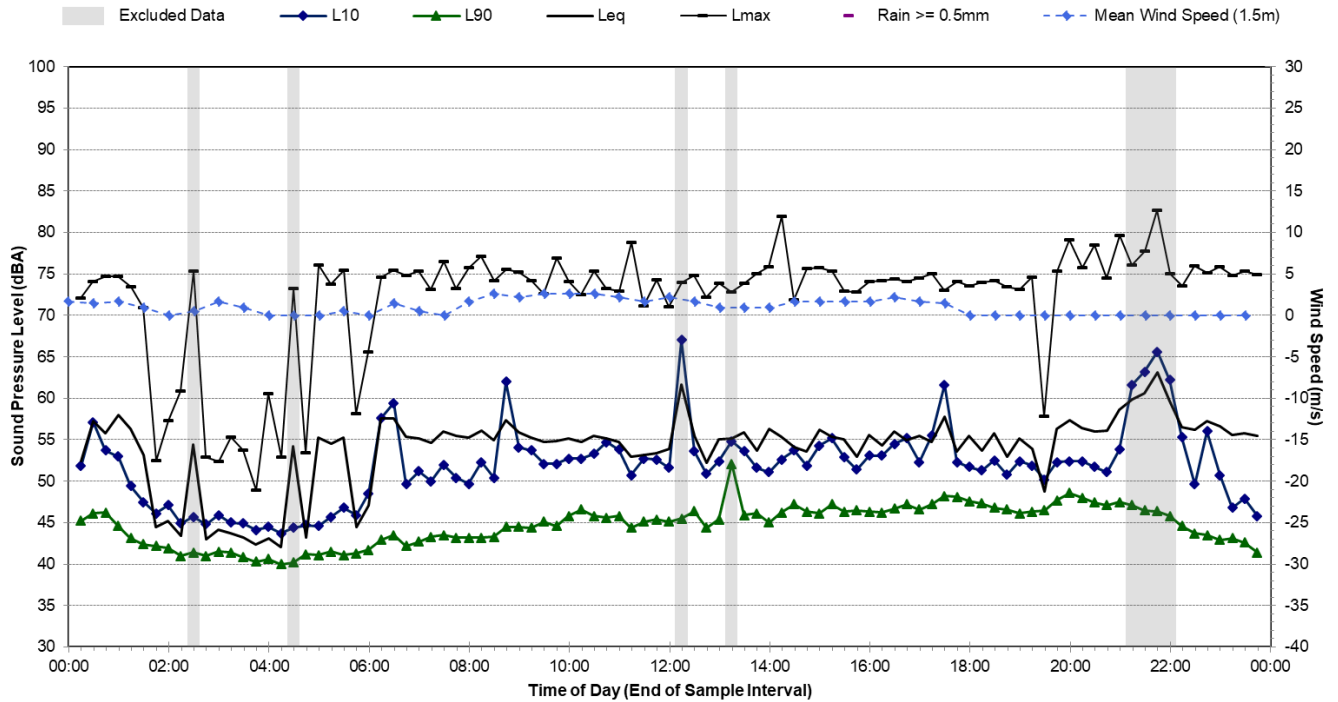
Statistical Ambient Noise Levels

6 Parkview Dr, Sydney Olympic Park - Saturday, 11 May 2019



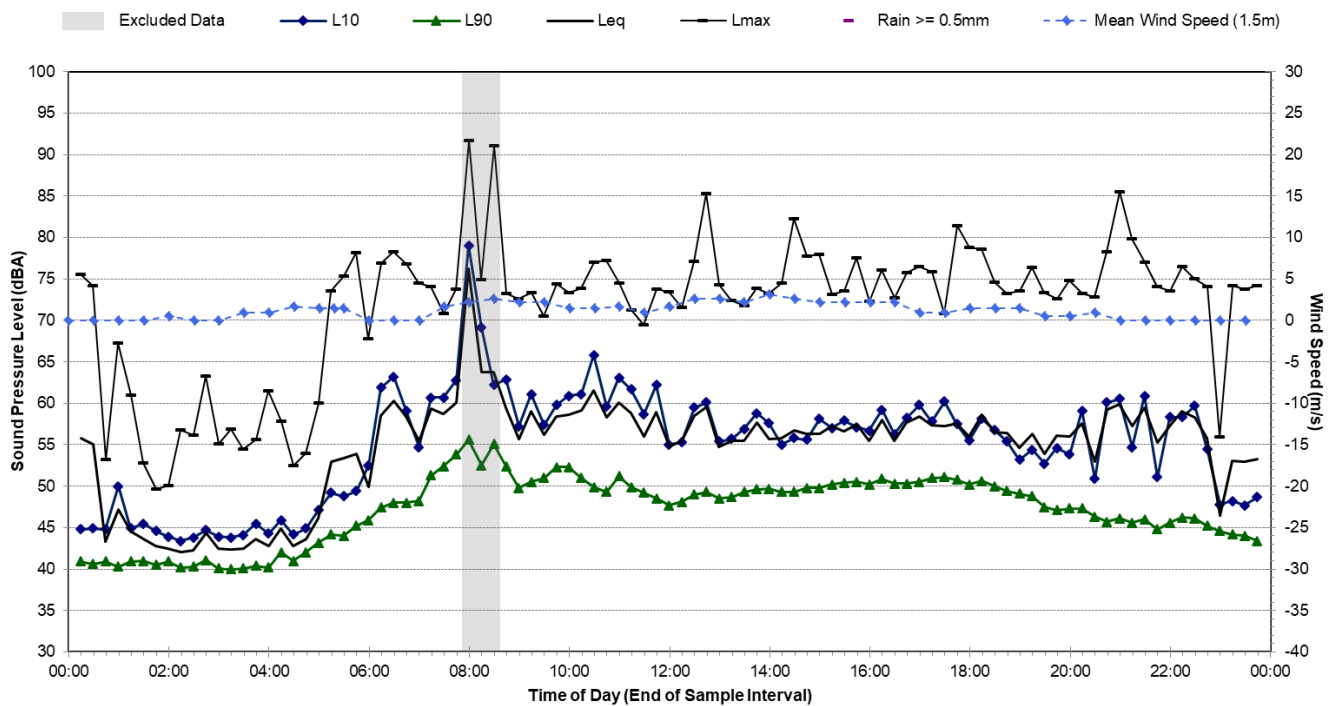
Statistical Ambient Noise Levels

6 Parkview Dr, Sydney Olympic Park - Sunday, 12 May 2019



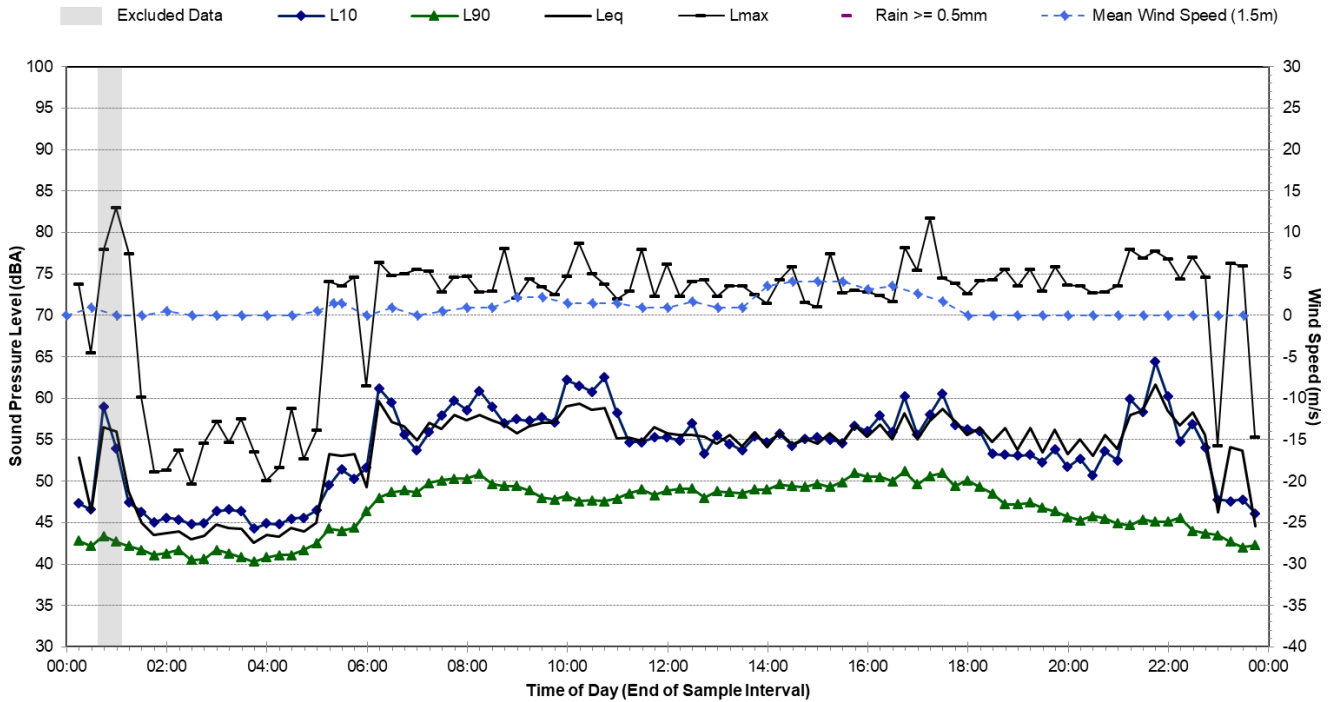
Statistical Ambient Noise Levels

6 Parkview Dr, Sydney Olympic Park - Monday, 13 May 2019



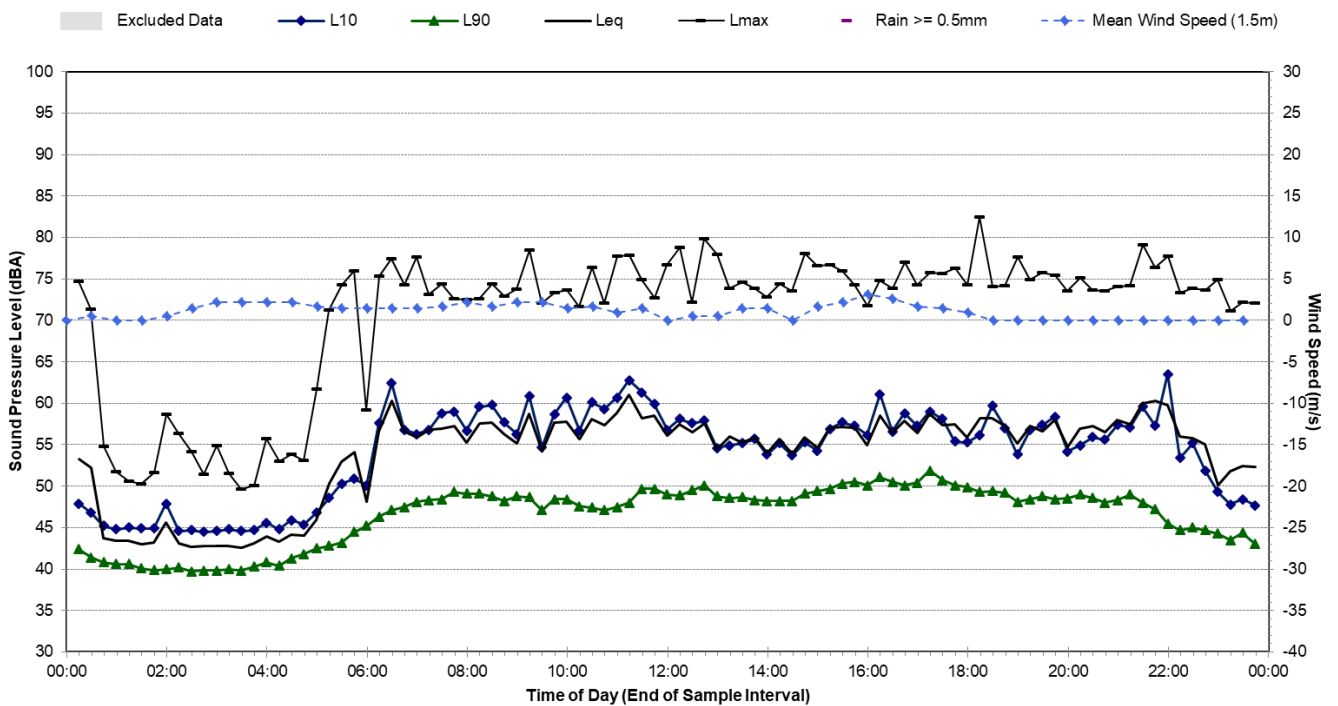
Statistical Ambient Noise Levels

6 Parkview Dr, Sydney Olympic Park - Tuesday, 14 May 2019



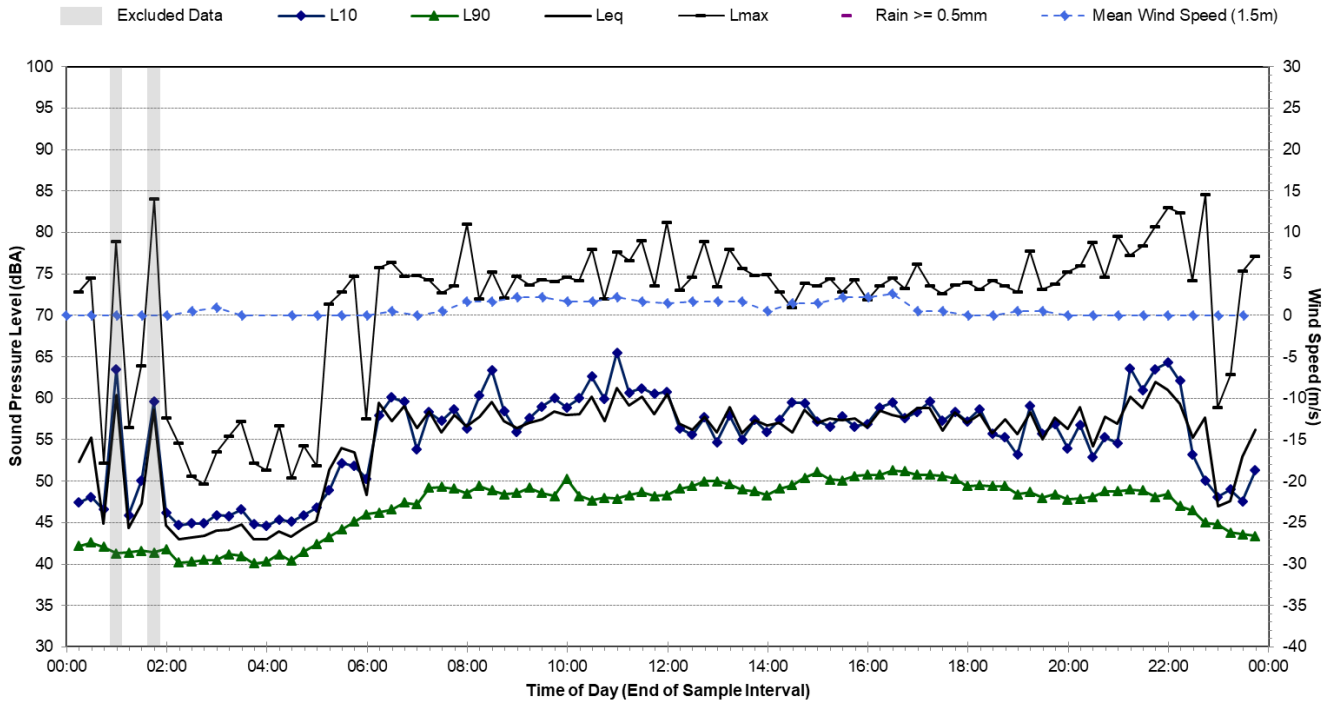
Statistical Ambient Noise Levels

6 Parkview Dr, Sydney Olympic Park - Wednesday, 15 May 2019



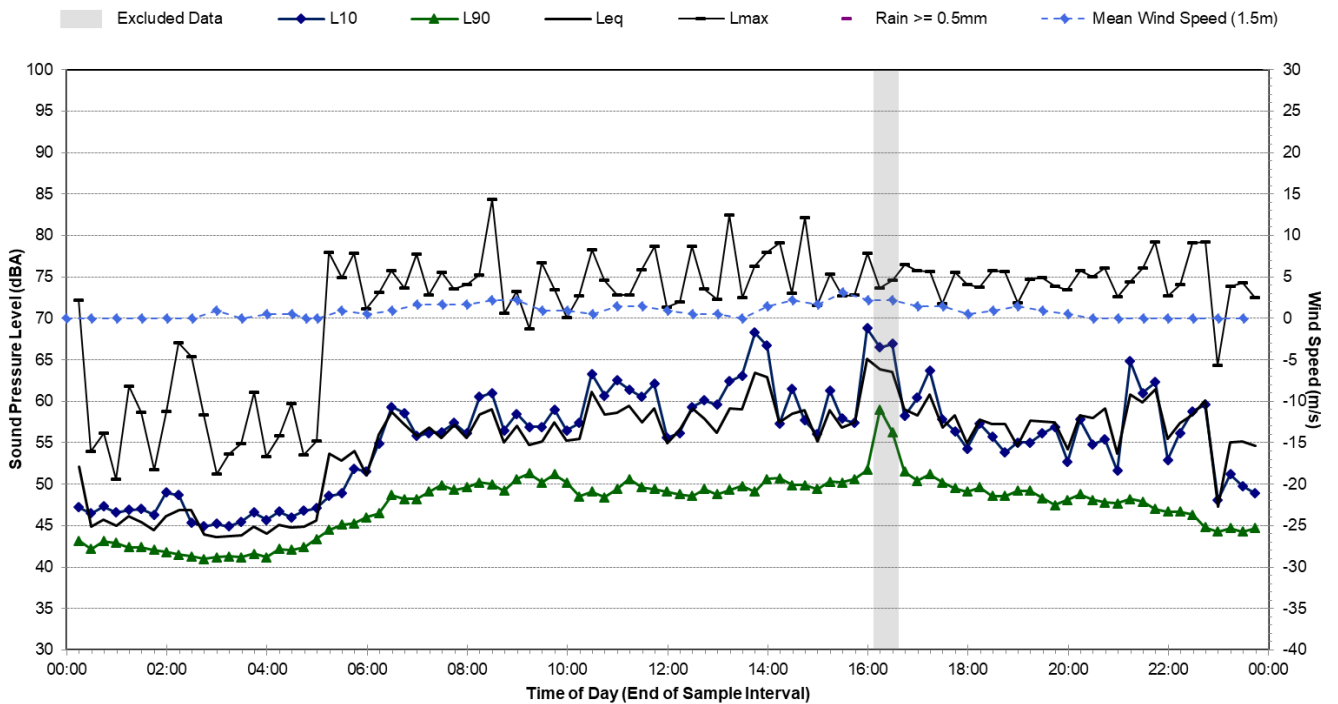
Statistical Ambient Noise Levels

6 Parkview Dr, Sydney Olympic Park - Thursday, 16 May 2019



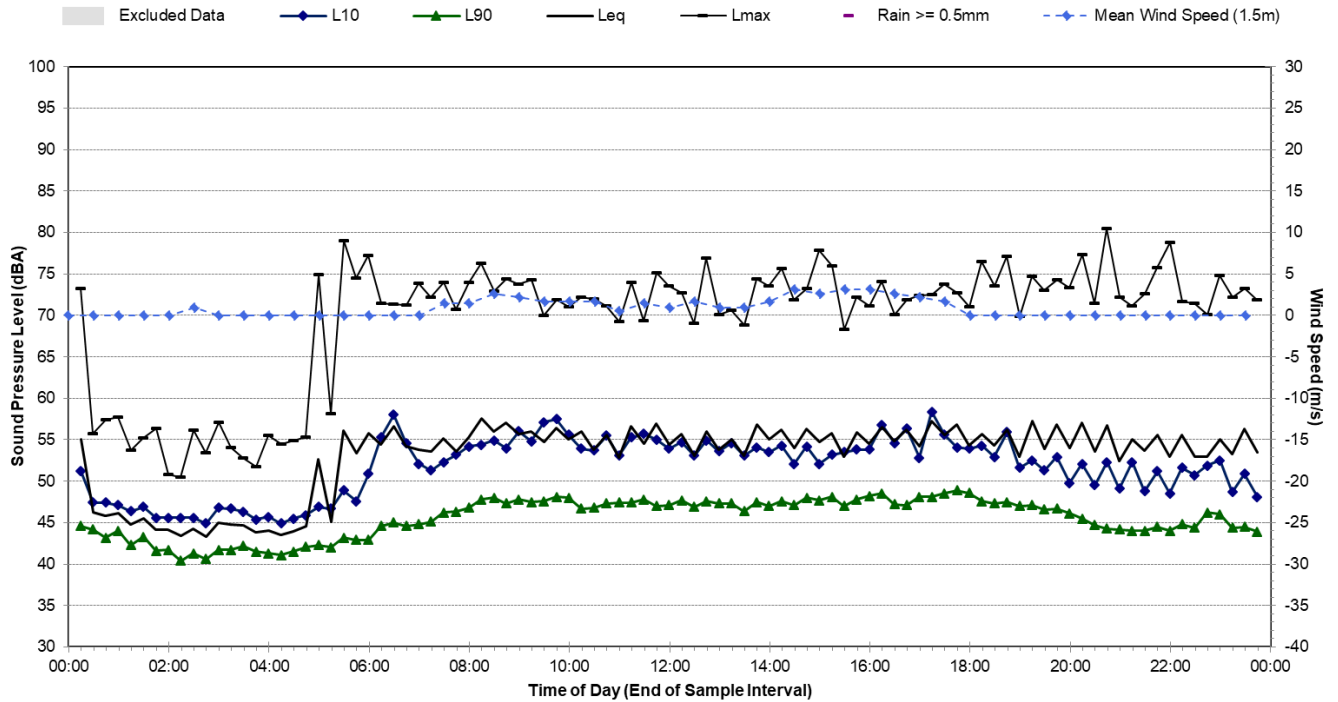
Statistical Ambient Noise Levels

6 Parkview Dr, Sydney Olympic Park - Friday, 17 May 2019



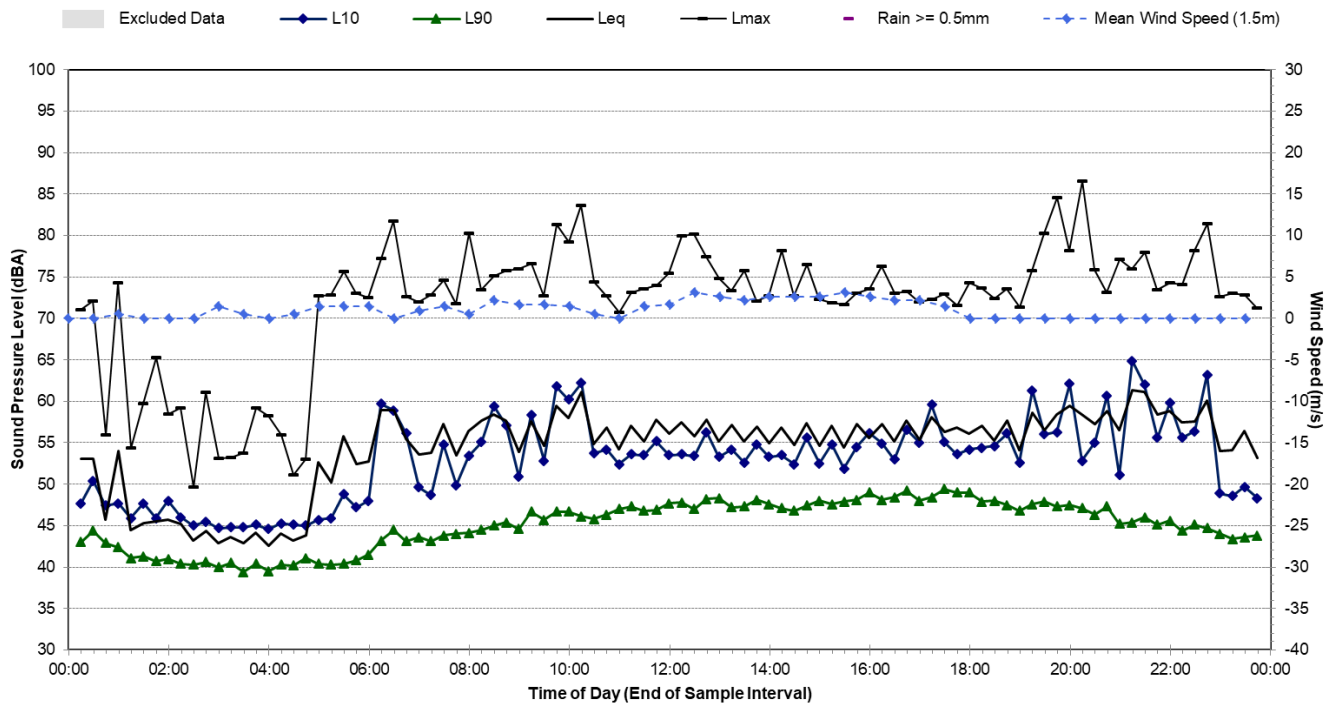
Statistical Ambient Noise Levels

6 Parkview Dr, Sydney Olympic Park - Saturday, 18 May 2019



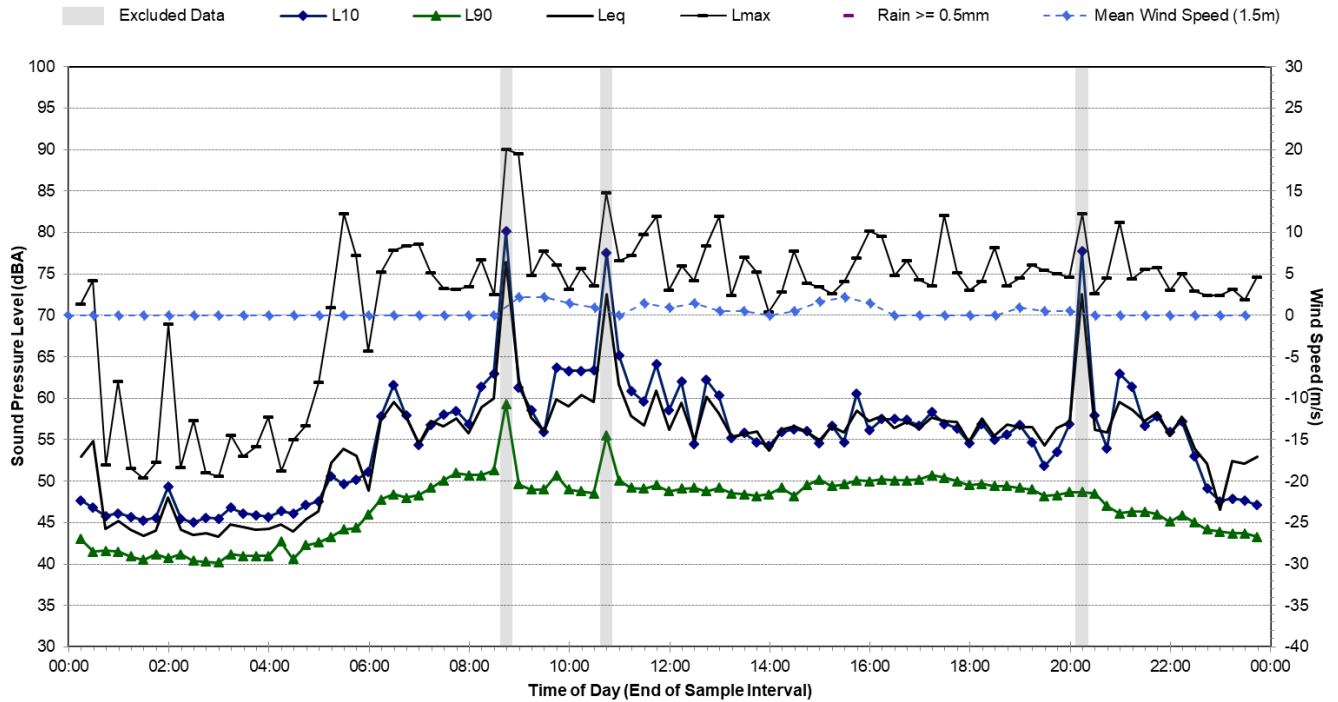
Statistical Ambient Noise Levels

6 Parkview Dr, Sydney Olympic Park - Sunday, 19 May 2019



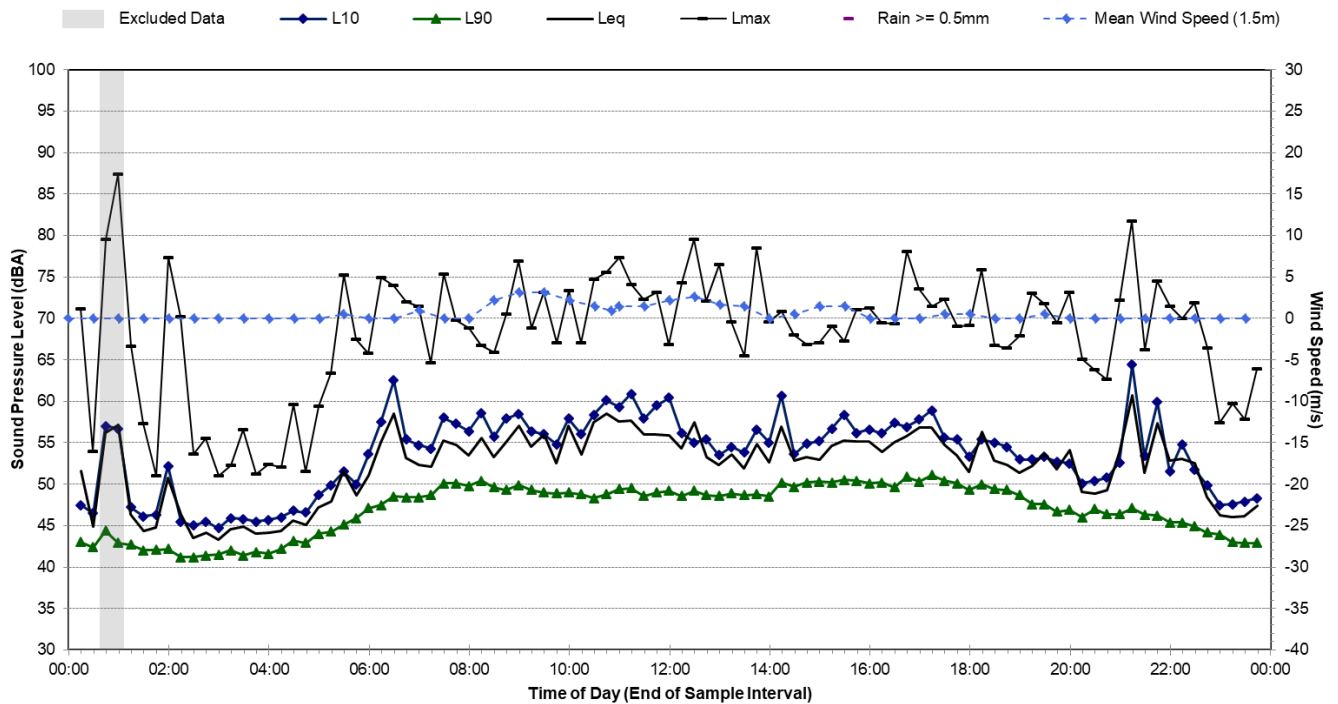
Statistical Ambient Noise Levels

6 Parkview Dr, Sydney Olympic Park - Monday, 20 May 2019



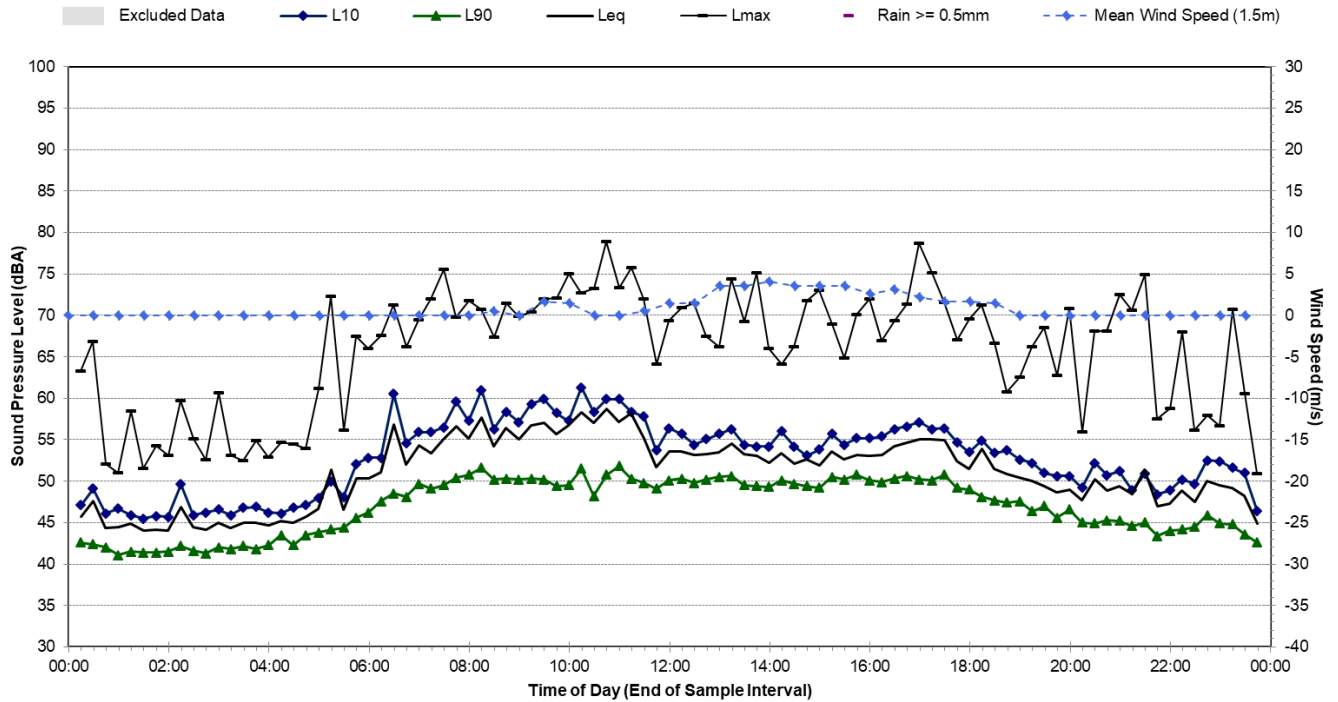
Statistical Ambient Noise Levels

6 Parkview Dr, Sydney Olympic Park - Tuesday, 21 May 2019



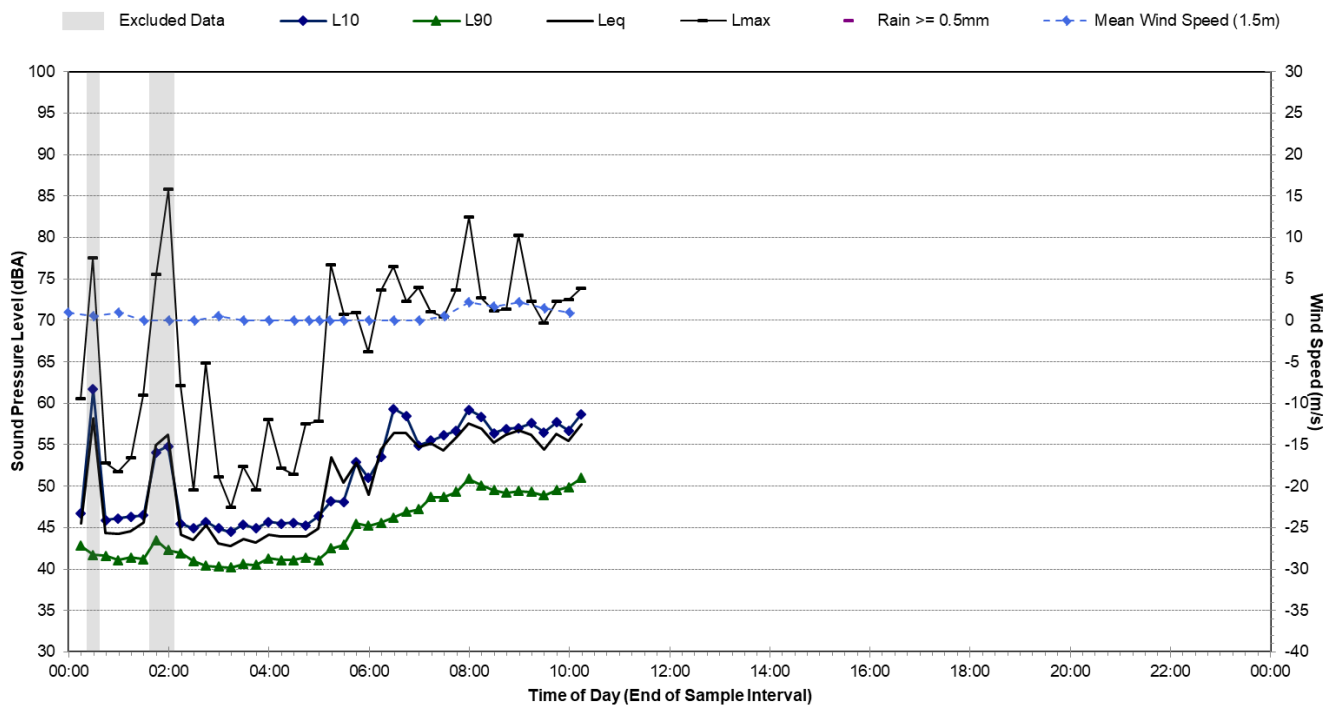
Statistical Ambient Noise Levels

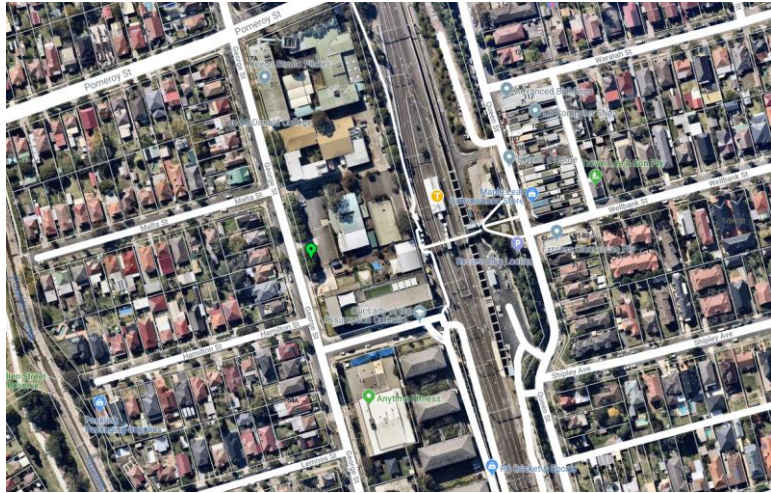

6 Parkview Dr, Sydney Olympic Park - Wednesday, 22 May 2019



Statistical Ambient Noise Levels

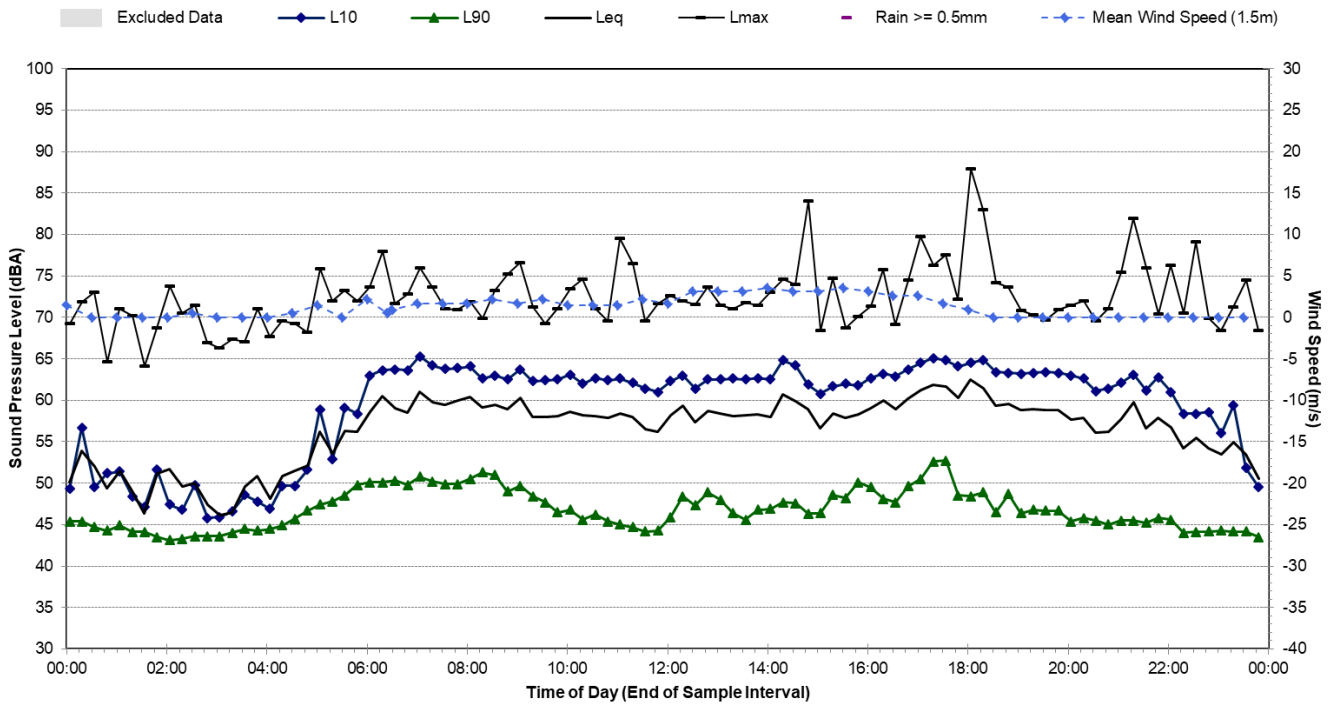
6 Parkview Dr, Sydney Olympic Park - Thursday, 23 May 2019



Noise Monitoring Location	B.10				Map of Noise Monitoring Location
Noise Monitoring Address	17 George Street, North Strathfield				
Logger Device Type: SVAN957, Logger Serial No: 23814 Sound Level Meter Device Type: Brüel and Kjær 2260, Sound Level Meter Serial No: 2487418					
Ambient noise logger located at 17 George Street, North Strathfield. Logger located with view of George Street to the west and Pomeroy Street to the north.					
Attended noise measurements indicate the ambient noise environment at this location is dominated by road traffic noise from George Street to the west. Aircraft flyovers also contributes to the measured noise levels.					Photo of Noise Monitoring Location
Measured noise levels (L _{Amax}): 26/04/2019: Light-vehicle traffic George Street: 60-71 dBA, Heavy-vehicle traffic Queen Street: 56 dBA, Birds: 51-61 dBA, Aircraft: 62-70 dBA, Motorcycle: 73 dBA, Animals: 63-71 dBA, Train Passby: 58-60 dBA					
Ambient Noise Logging Results ICNG Defined Time Periods					
Monitoring Period (26/04/2019 – 10/05/2019)	Noise Level (dBA)				
	RBL	L _{Aeq}	L ₁₀	L ₁	
Daytime	47	60	63	68	
Evening	47	60	63	68	
Night-time	44	55	52	65	
Ambient Noise Logging Results RNP Defined Time Periods					
Monitoring Period (26/04/2019 – 10/05/2019)	Noise Level (dBA)				
	L _{Aeq} (period)		L _{Aeq} (1hour)		
Daytime (7am-10pm)	60		62		
Night-time (10pm-7am)	55		62		
Attended Noise Measurement Results					
Date	Start Time	Measured Noise Level (dBA)			
		L _{A90}	L _{Aeq}	L _{Amax}	
26/04/2019	7:25	49	59	71	

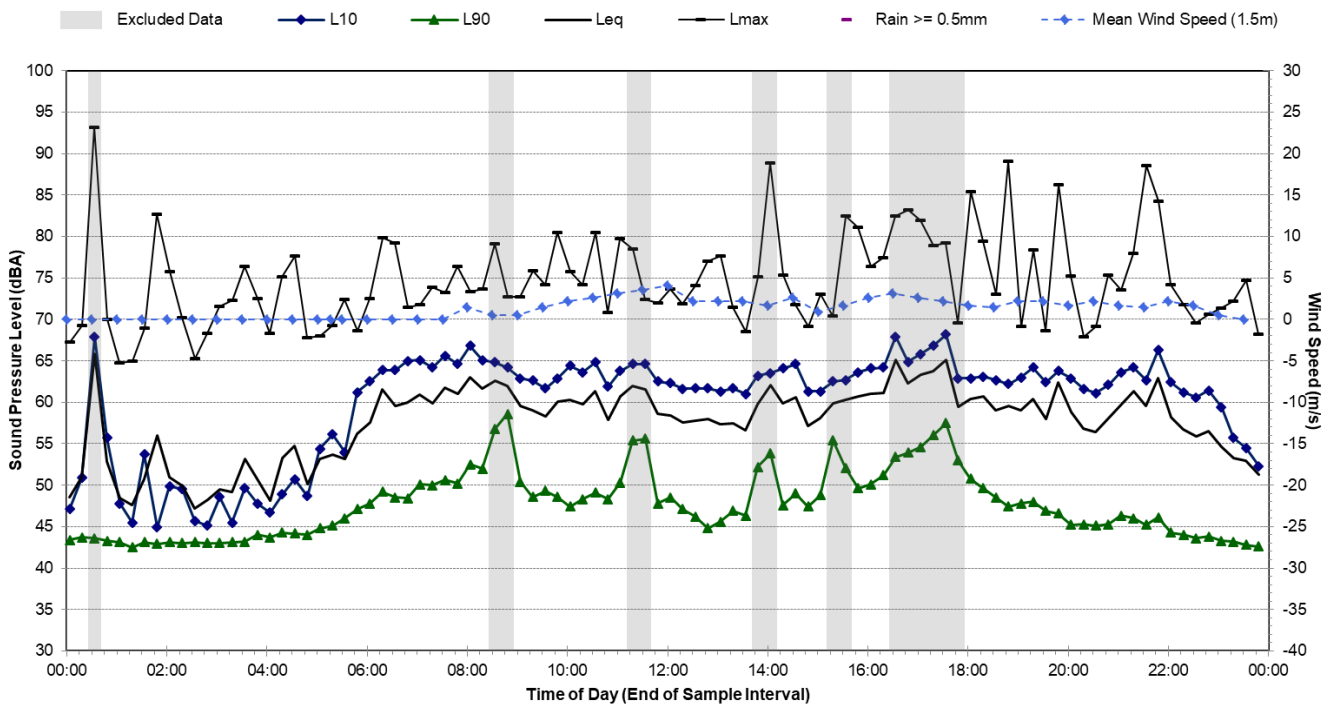
Statistical Ambient Noise Levels

17 George St, North Strathfield - Monday, 29 April 2019



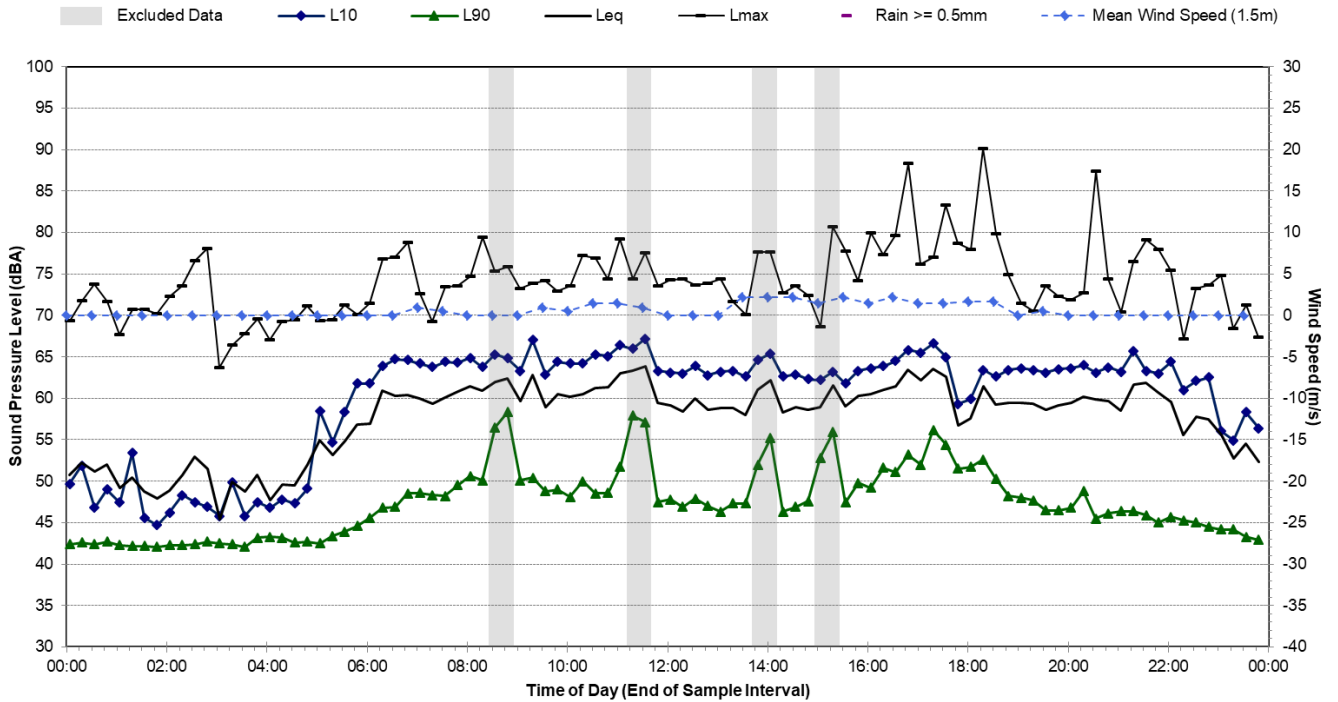
Statistical Ambient Noise Levels

17 George St, North Strathfield - Tuesday, 30 April 2019



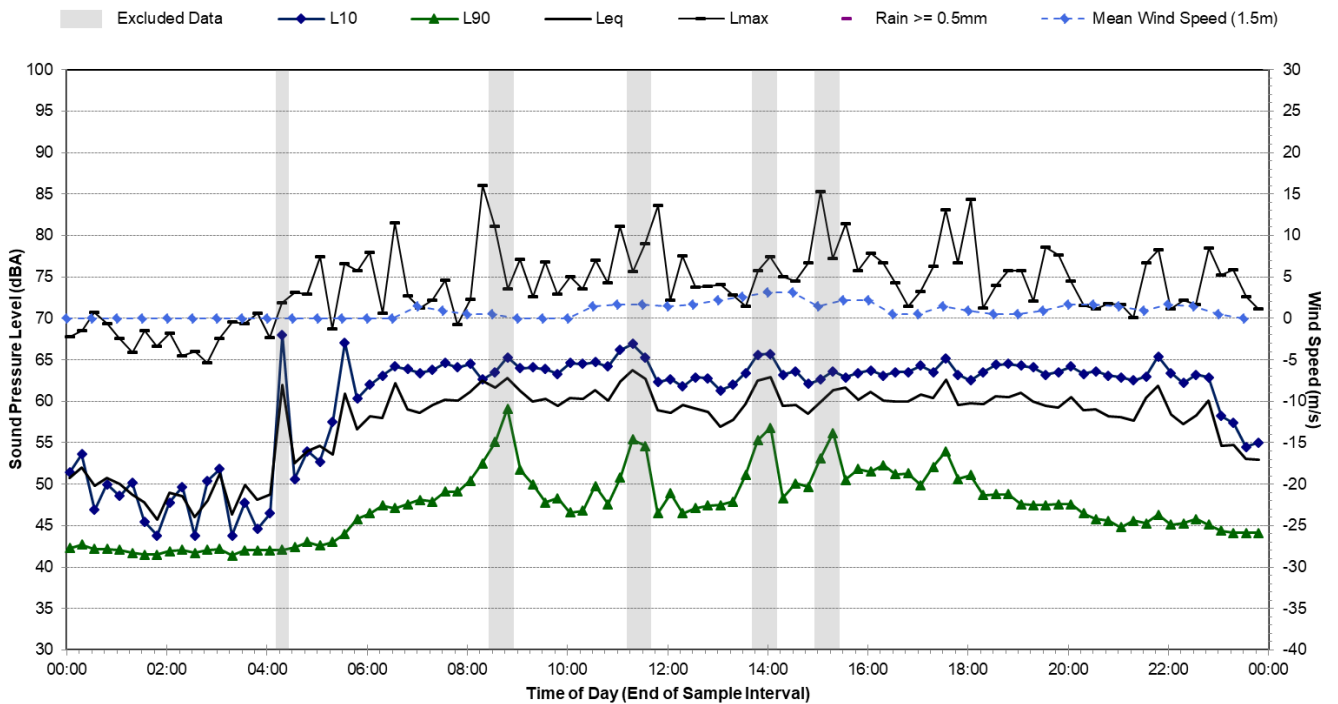
Statistical Ambient Noise Levels

17 George St, North Strathfield - Wednesday, 1 May 2019



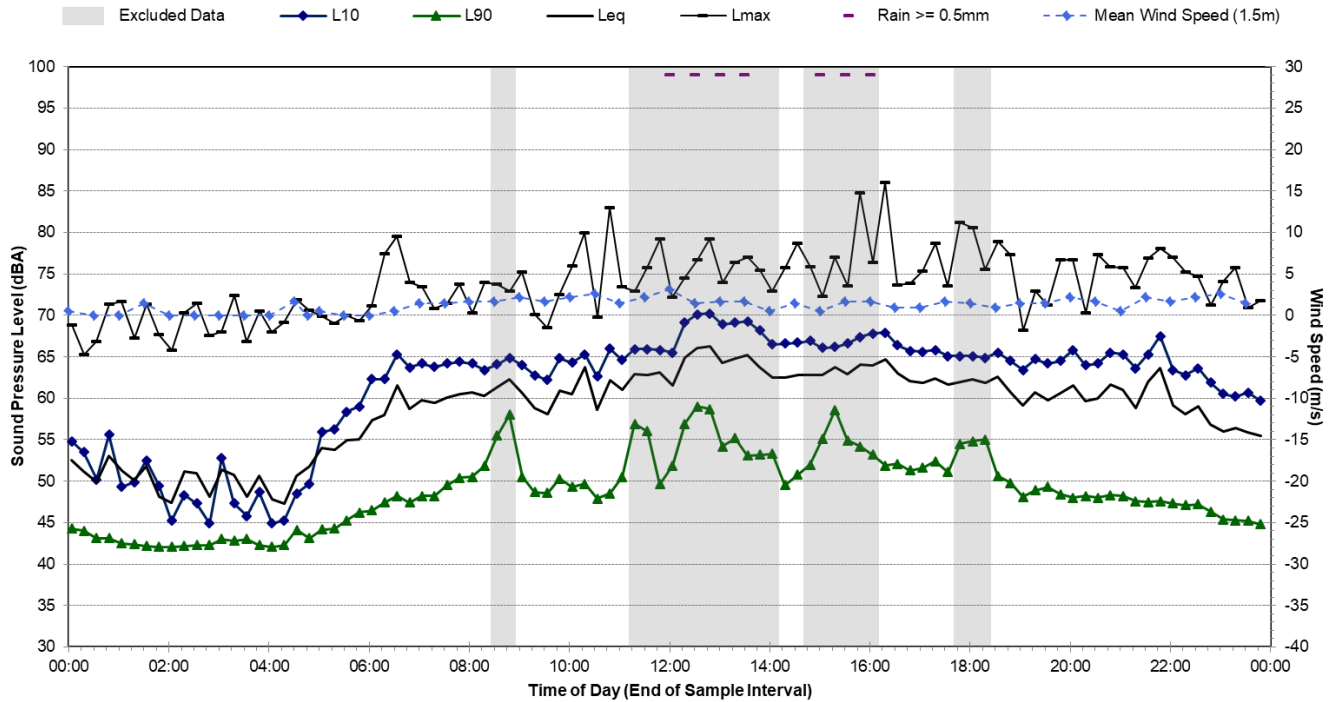
Statistical Ambient Noise Levels

17 George St, North Strathfield - Thursday, 2 May 2019



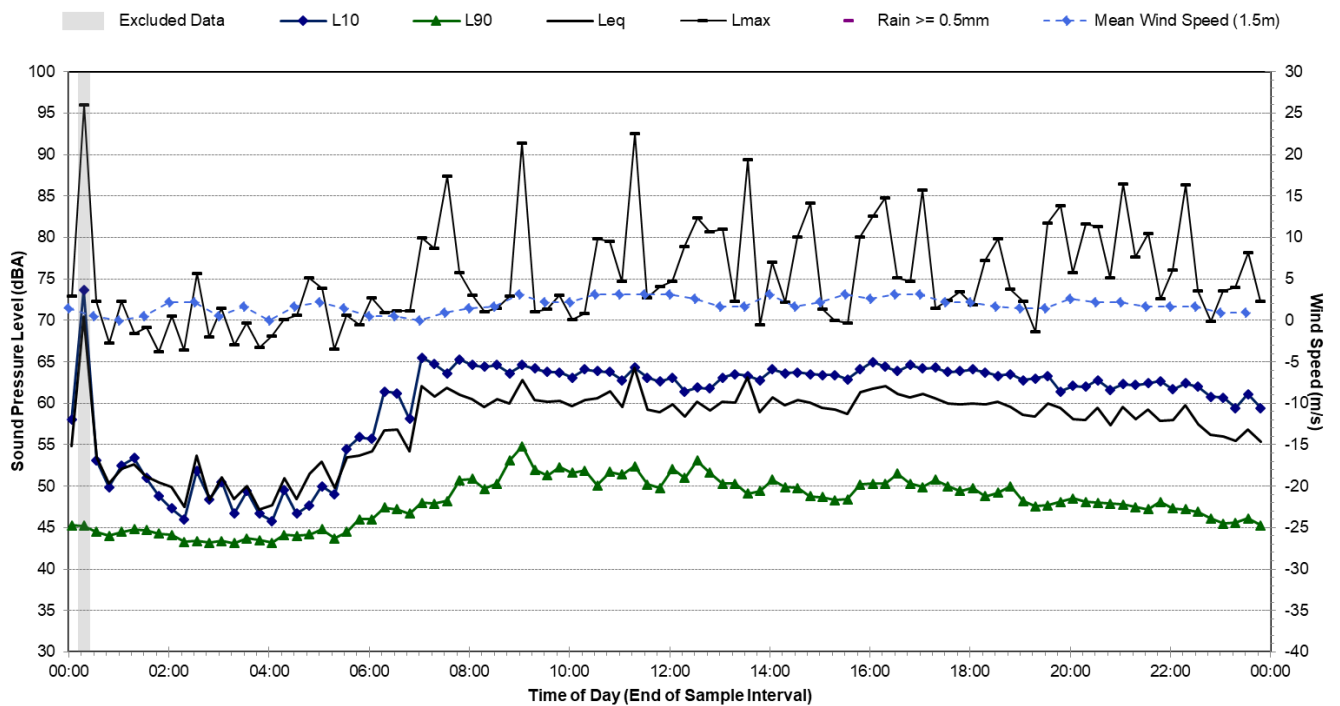
Statistical Ambient Noise Levels

17 George St, North Strathfield - Friday, 3 May 2019



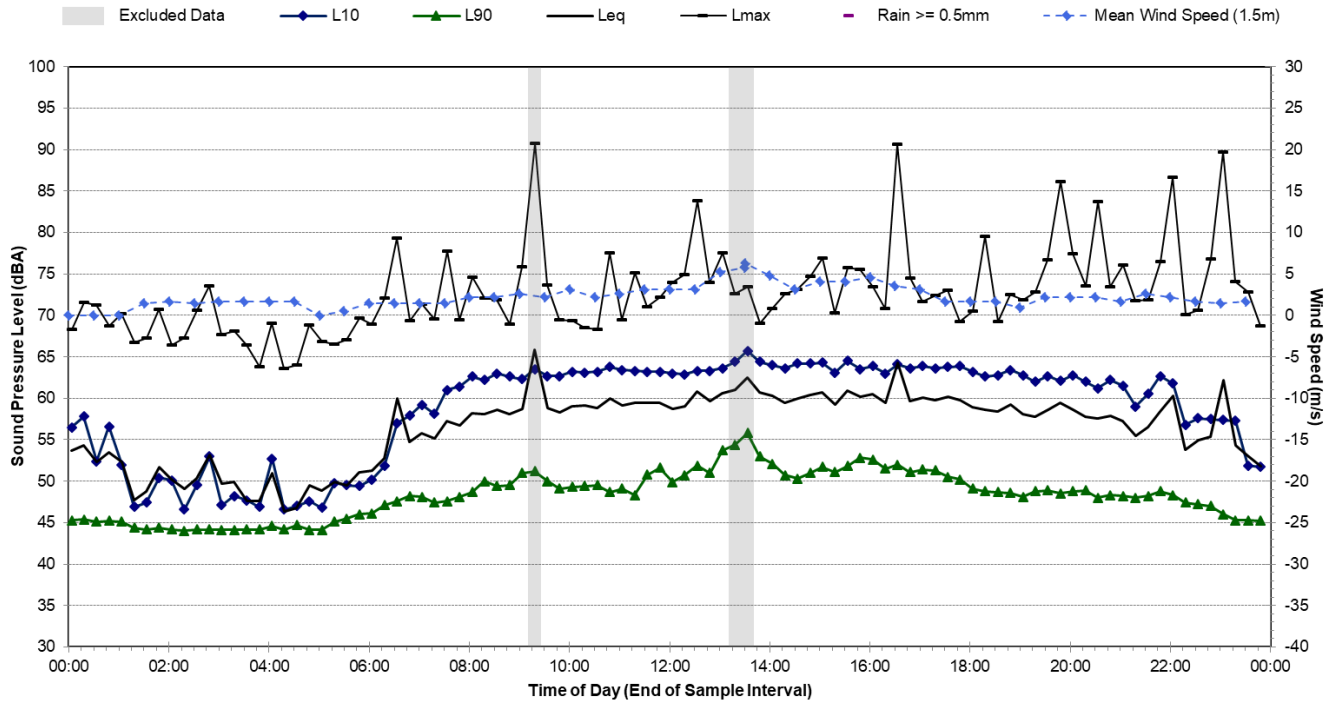
Statistical Ambient Noise Levels

17 George St, North Strathfield - Saturday, 4 May 2019



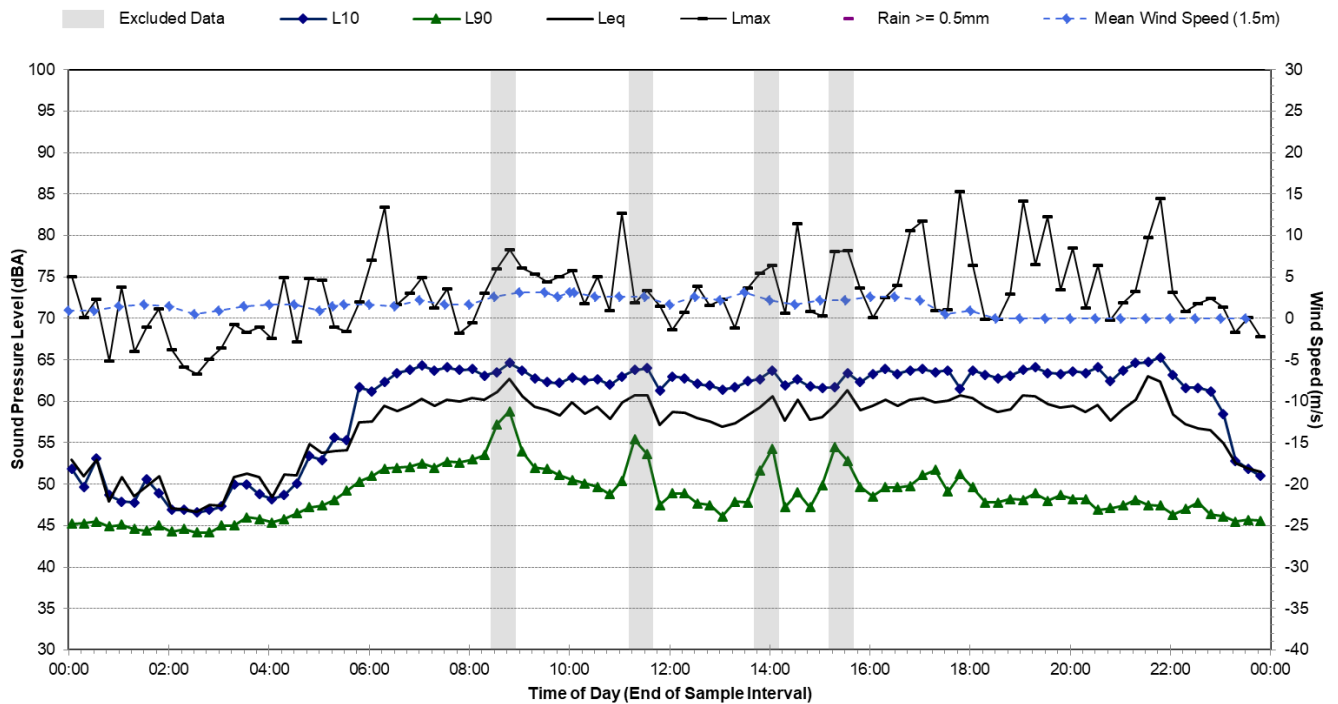
Statistical Ambient Noise Levels

17 George St, North Strathfield - Sunday, 5 May 2019



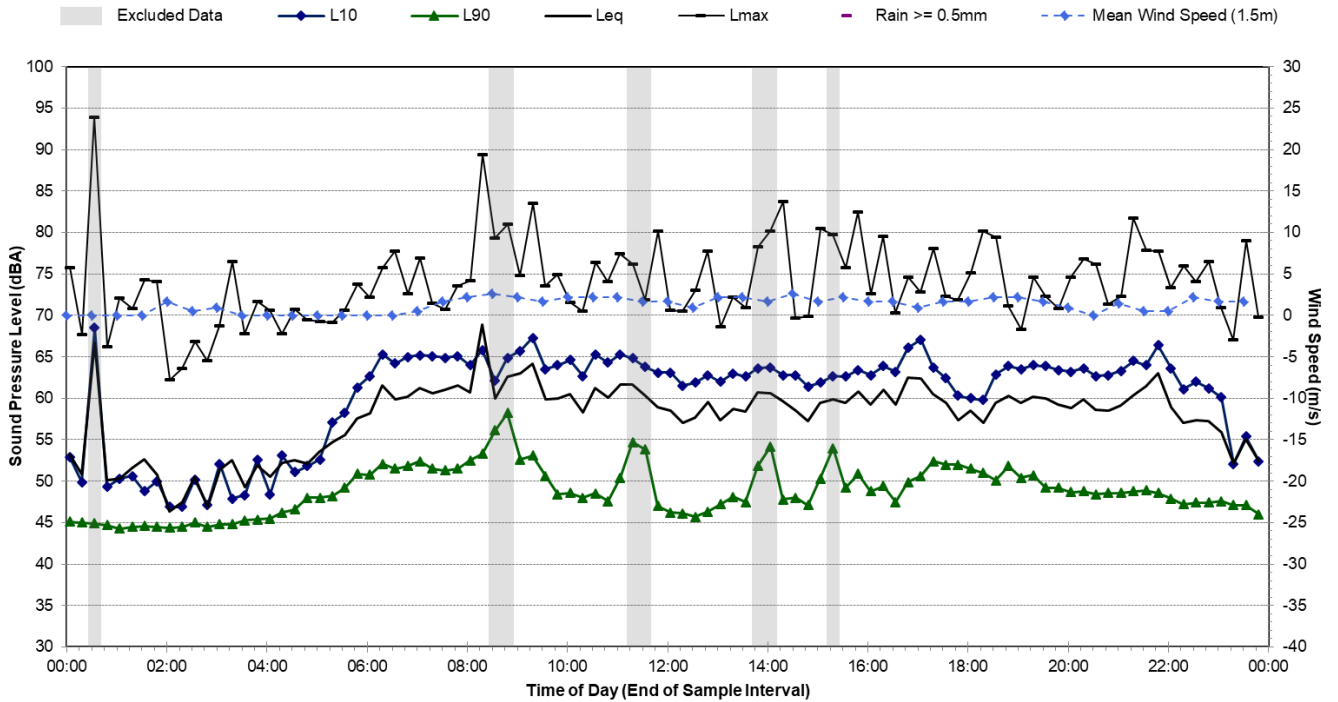
Statistical Ambient Noise Levels

17 George St, North Strathfield - Monday, 6 May 2019



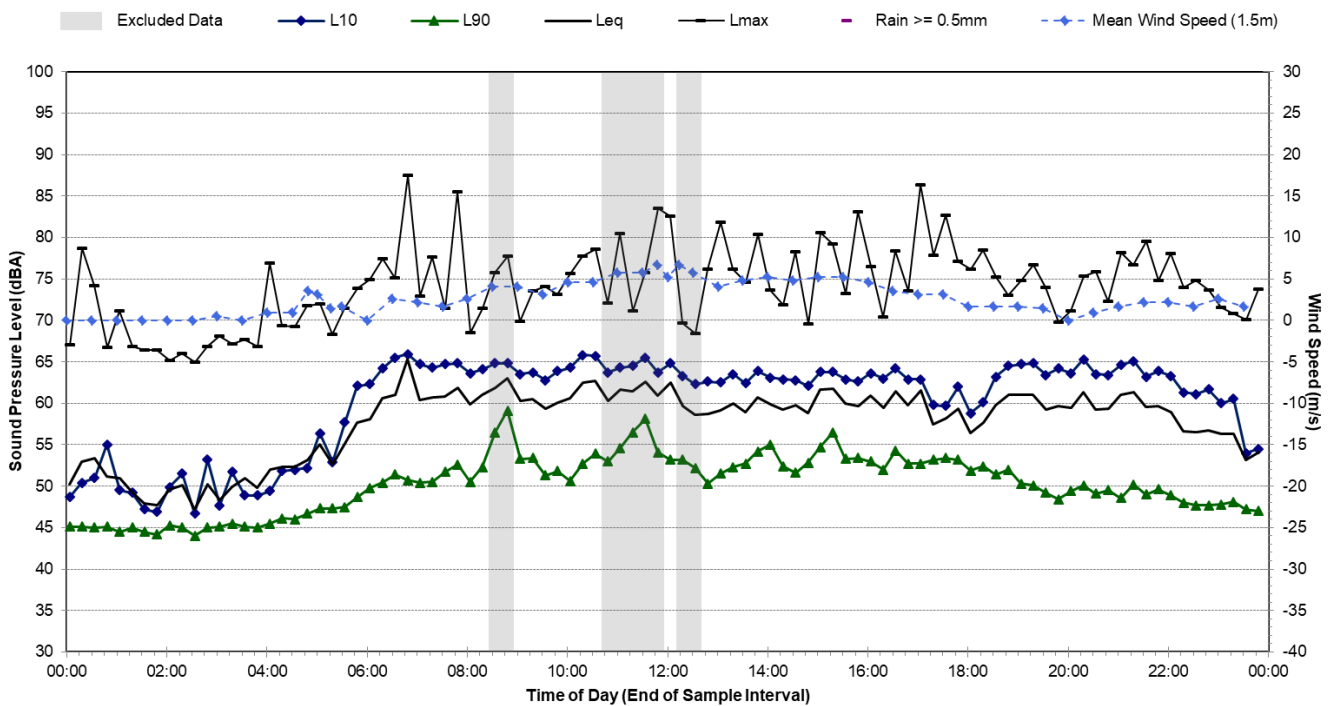
Statistical Ambient Noise Levels

17 George St, North Strathfield - Tuesday, 7 May 2019



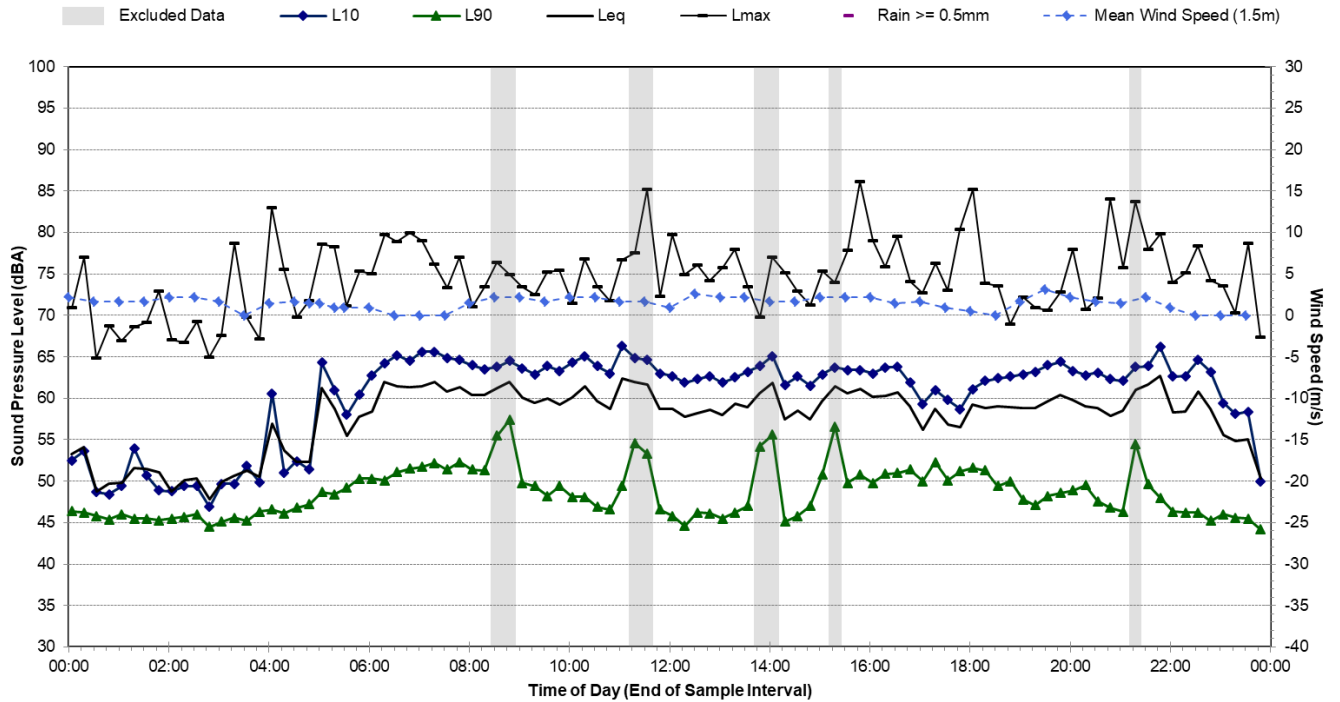
Statistical Ambient Noise Levels

17 George St, North Strathfield - Wednesday, 8 May 2019



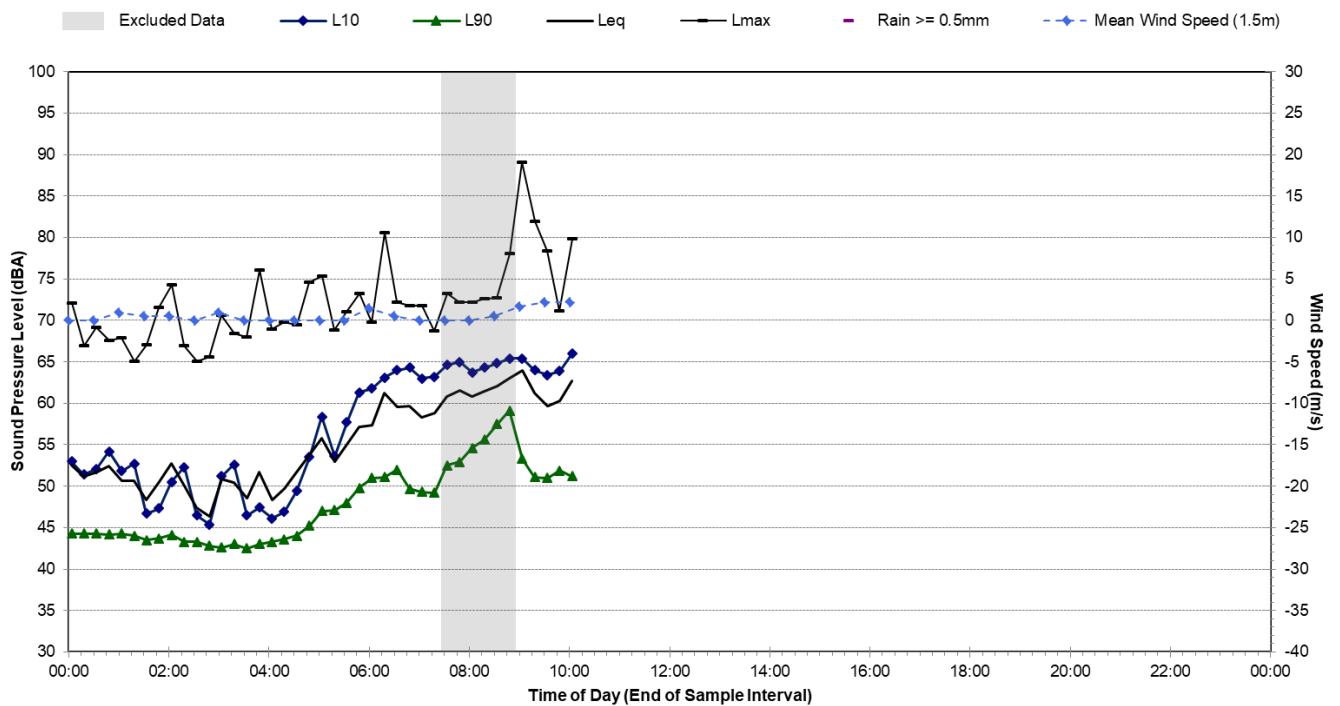
Statistical Ambient Noise Levels


17 George St, North Strathfield - Thursday, 9 May 2019



Statistical Ambient Noise Levels

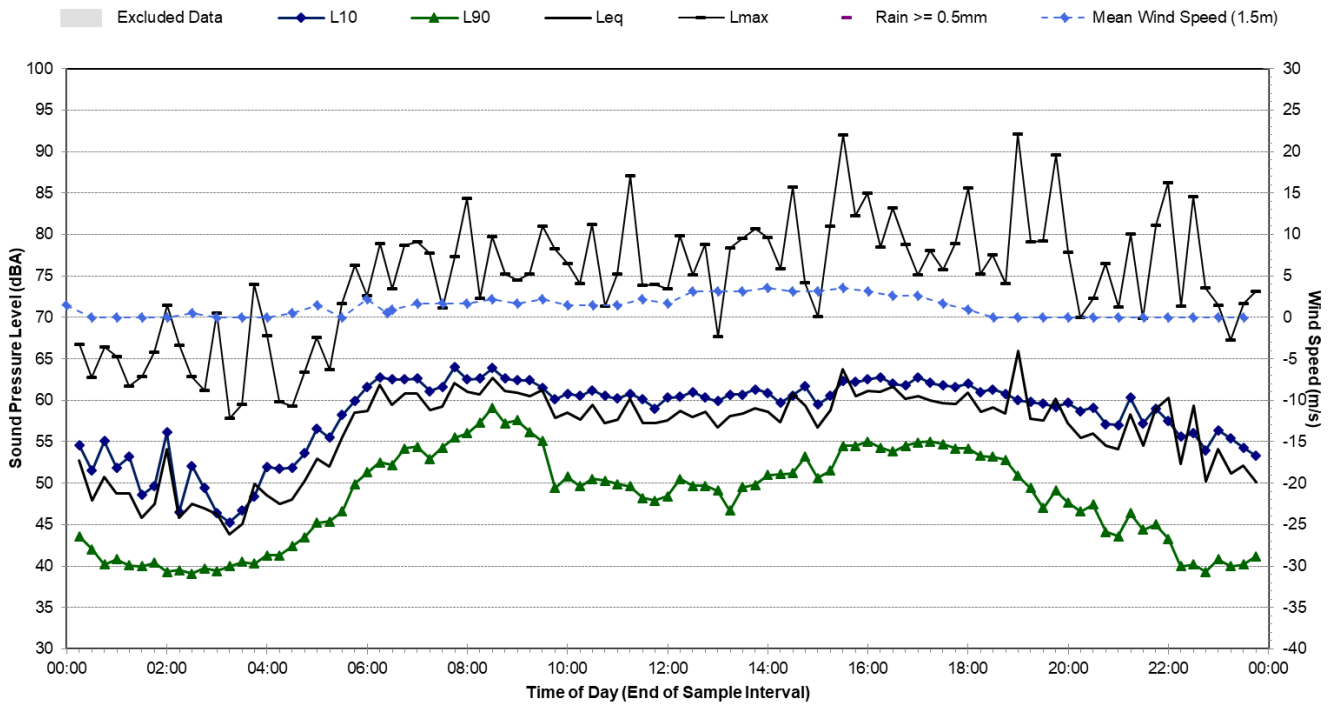
17 George St, North Strathfield - Friday, 10 May 2019



Noise Monitoring Location		B.11			Map of Noise Monitoring Location	
Noise Monitoring Address		131 Queen Street, North Strathfield				
Logger Device Type: SVAN957, Logger Serial No: 23816 Sound Level Meter Device Type: Brüel and Kjær 2260, Sound Level Meter Serial No: 2487418						
Ambient noise logger located at 131 Queen Street, North Strathfield. Logger located with view of Queen Street and the Northern Rail Line to the east and Beronga/Pomeroy Street to the north.						
Attended noise measurements indicate the ambient noise environment at this location is dominated by road traffic noise from Queen Street to the east and Beronga/Pomeroy Street to the north. Train Passbys also contributes to the measured noise levels.						
Measured noise levels (LAm _{ax}): 26/04/2019: Light-vehicle traffic Queen and Beronga/Pomeroy Street: 55-87 dBA, Heavy-vehicle traffic Queen Street: 56 dBA, Birds: 60-66 dBA, Aircraft: 66-73 dBA, Motorcycle: 73 dBA, Animals: 63-71 dBA, Train Passby: 55-57 dBA						
Ambient Noise Logging Results ICNG Defined Time Periods						
Monitoring Period (26/04/2019 – 10/05/2019)		Noise Level (dBA)				
		RBL	LAeq	L10	L1	
Daytime		50	61	62	70	
Evening		47	60	61	69	
Night-time		39	55	54	61	
Ambient Noise Logging Results RNP Defined Time Periods						
Monitoring Period (26/04/2019 – 10/05/2019)		Noise Level (dBA)				
		LAeq(period)		LAeq(1hour)		
Daytime (7am-10pm)		61		63		
Night-time (10pm-7am)		55		62		
Attended Noise Measurement Results						
Date	Start Time	Measured Noise Level (dBA)				
		LA90	LAeq	LAm _{ax}		
26/04/2019	8:07	54	62	87		

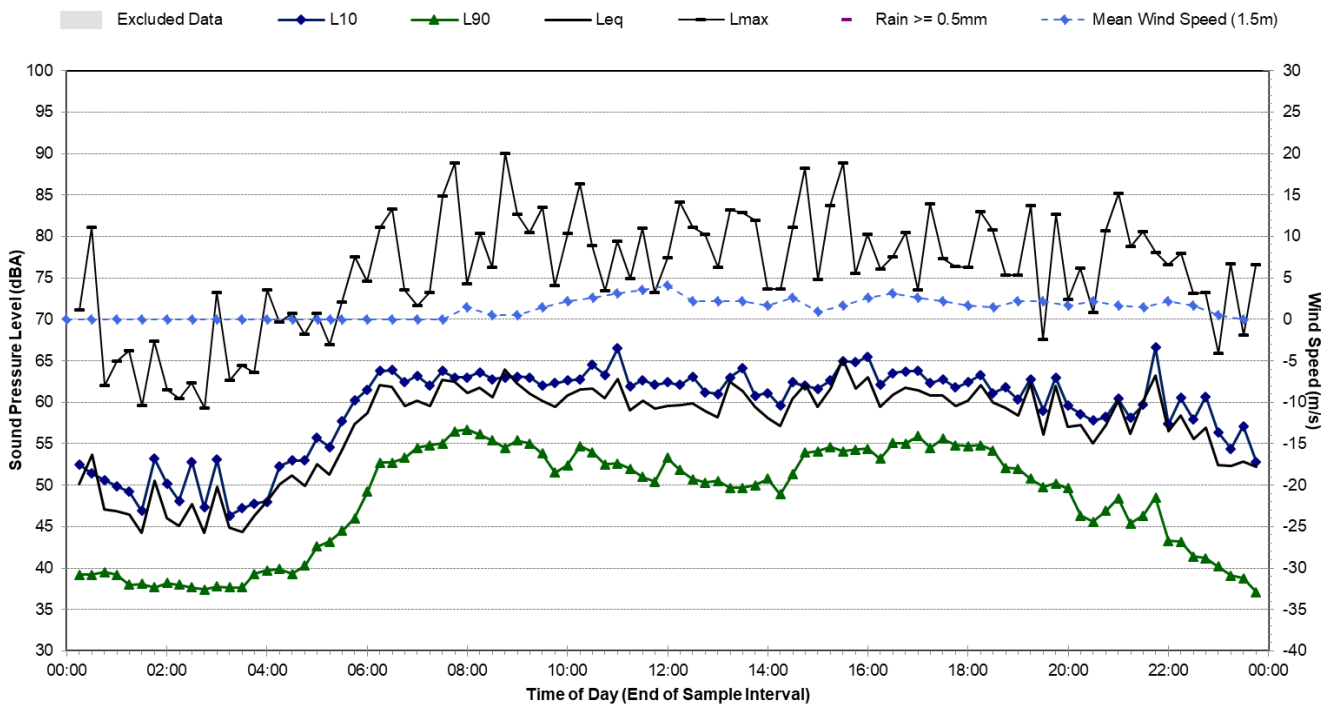
Statistical Ambient Noise Levels

131 Queen St, North Strathfield - Monday, 29 April 2019



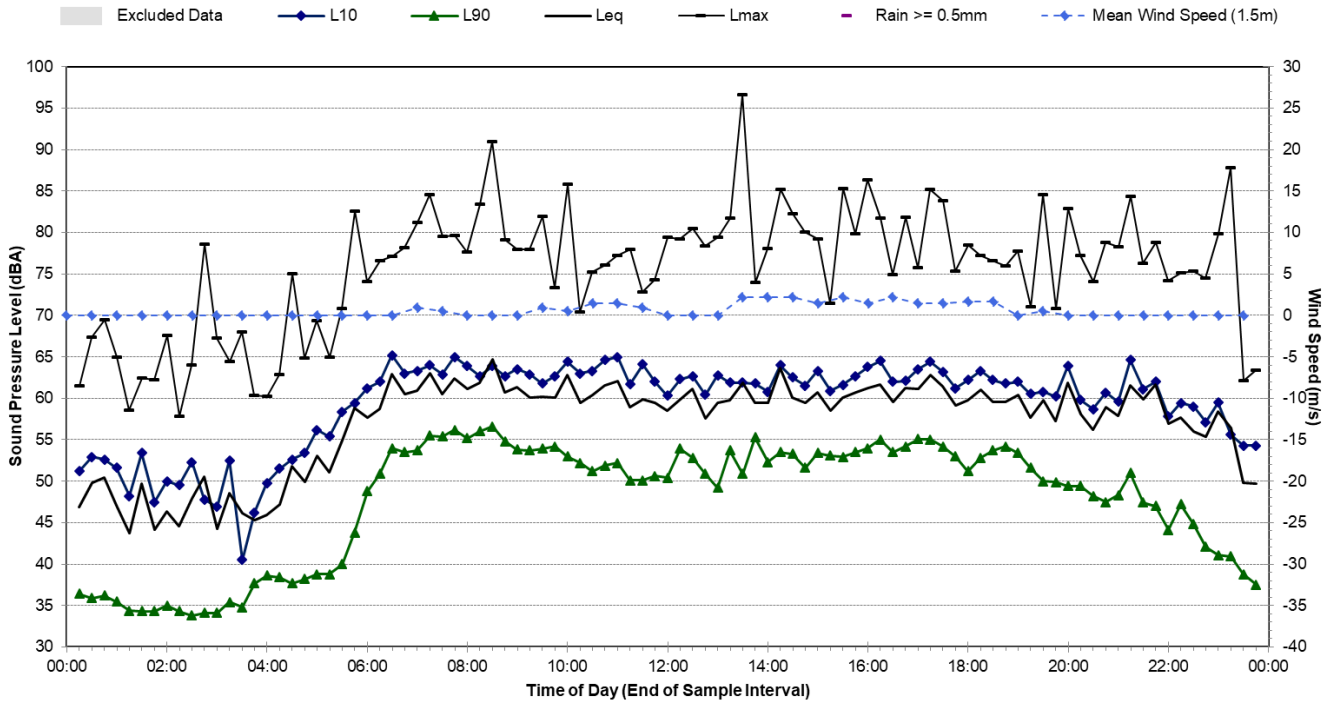
Statistical Ambient Noise Levels

131 Queen St, North Strathfield - Tuesday, 30 April 2019



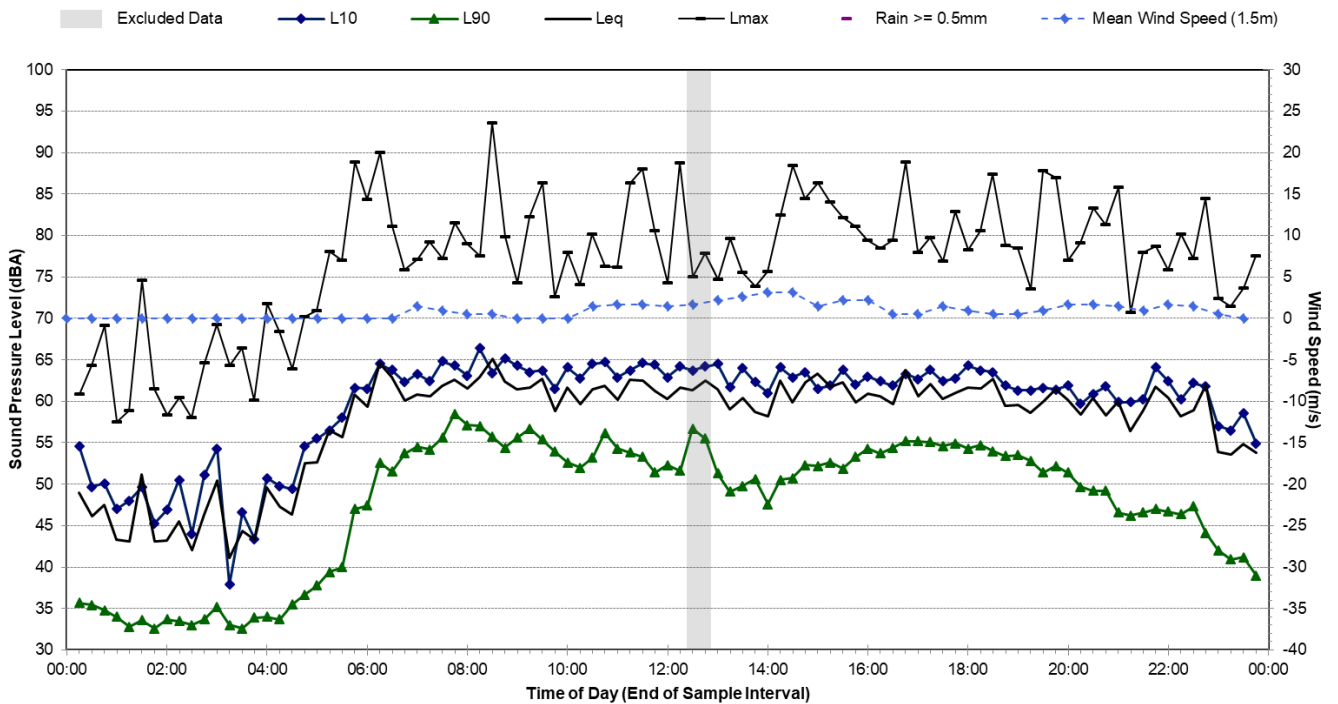
Statistical Ambient Noise Levels

131 Queen St, North Strathfield - Wednesday, 1 May 2019



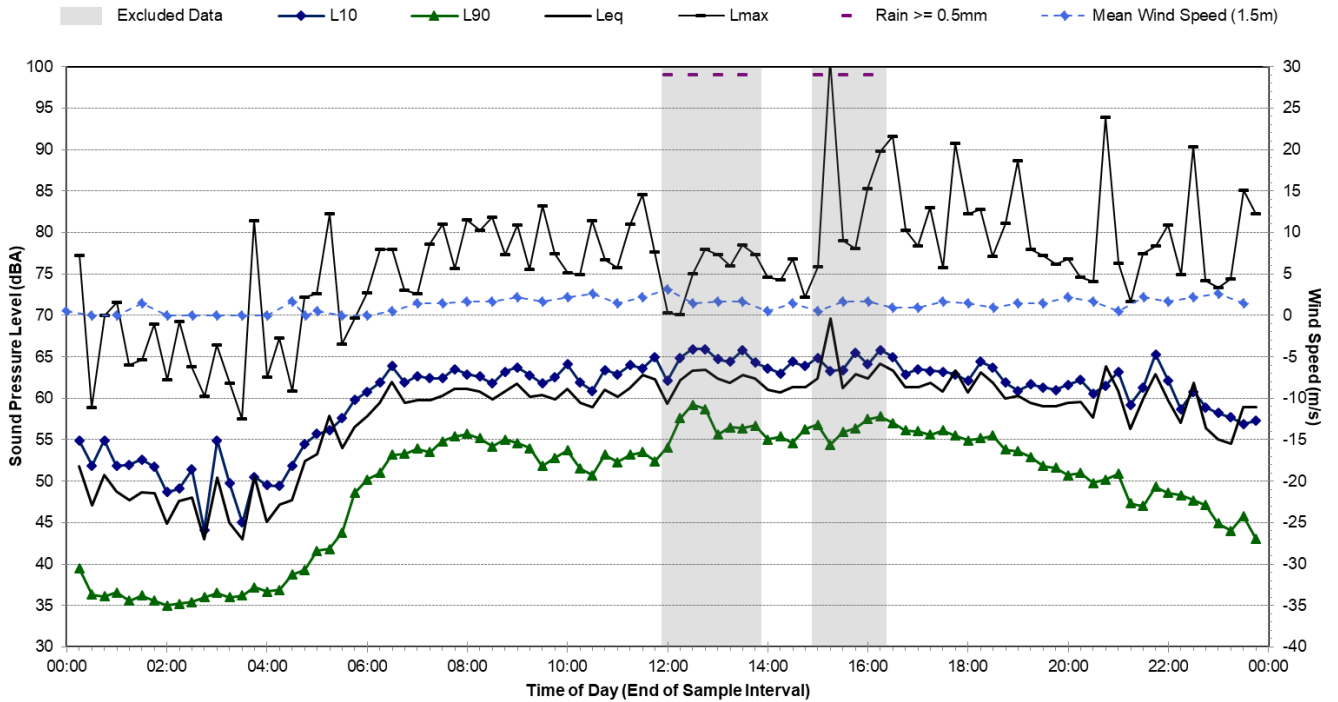
Statistical Ambient Noise Levels

131 Queen St, North Strathfield - Thursday, 2 May 2019



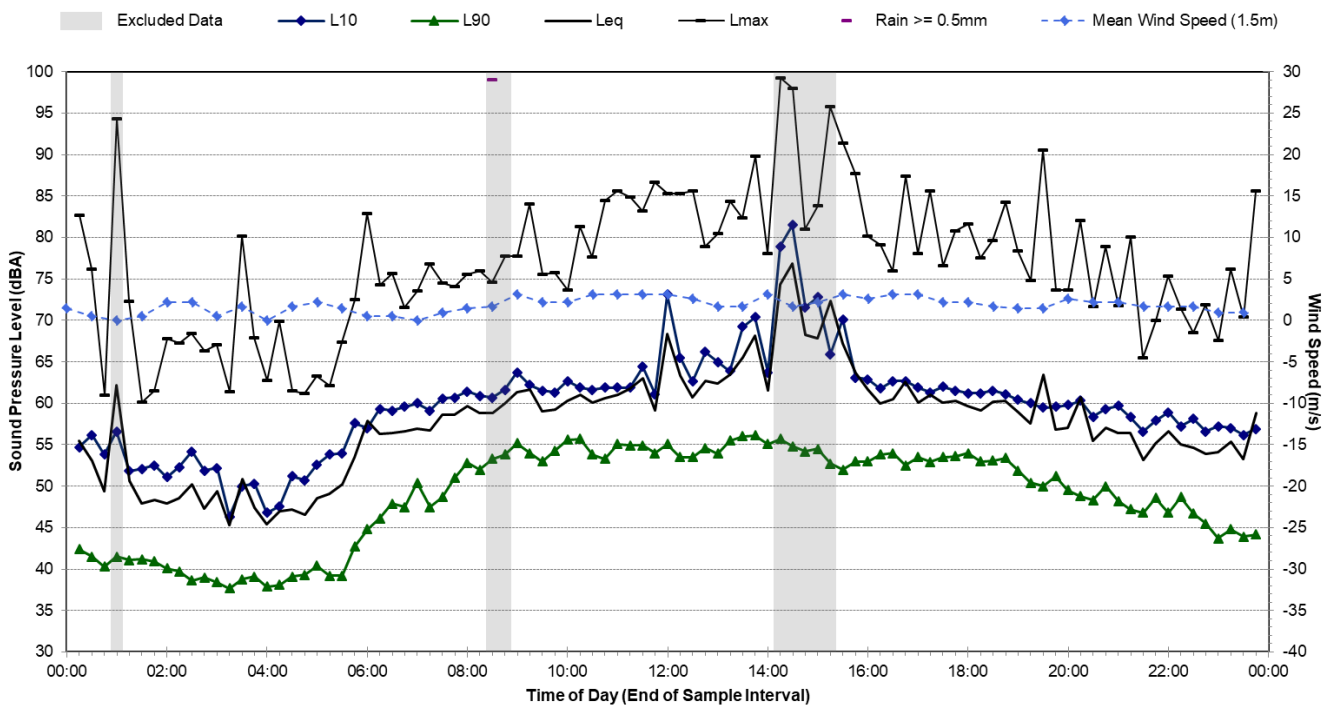
Statistical Ambient Noise Levels

131 Queen St, North Strathfield - Friday, 3 May 2019



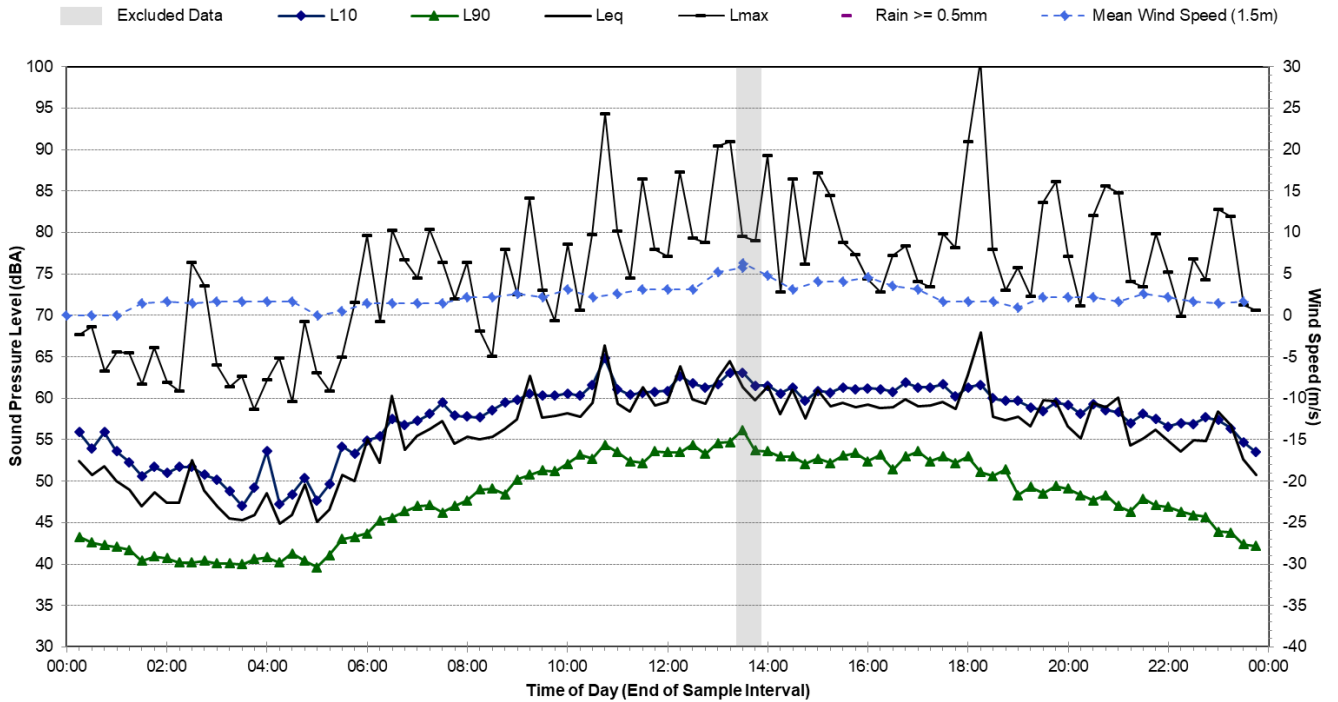
Statistical Ambient Noise Levels

131 Queen St, North Strathfield - Saturday, 4 May 2019



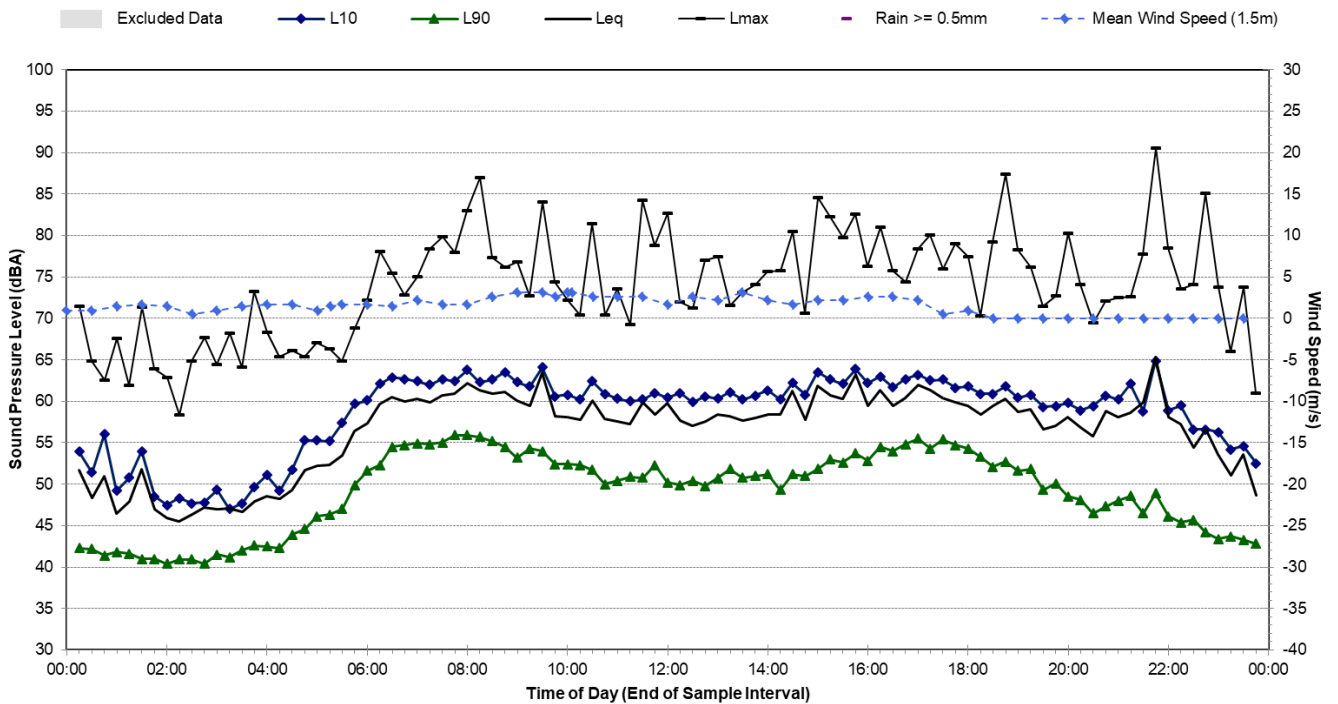
Statistical Ambient Noise Levels

131 Queen St, North Strathfield - Sunday, 5 May 2019



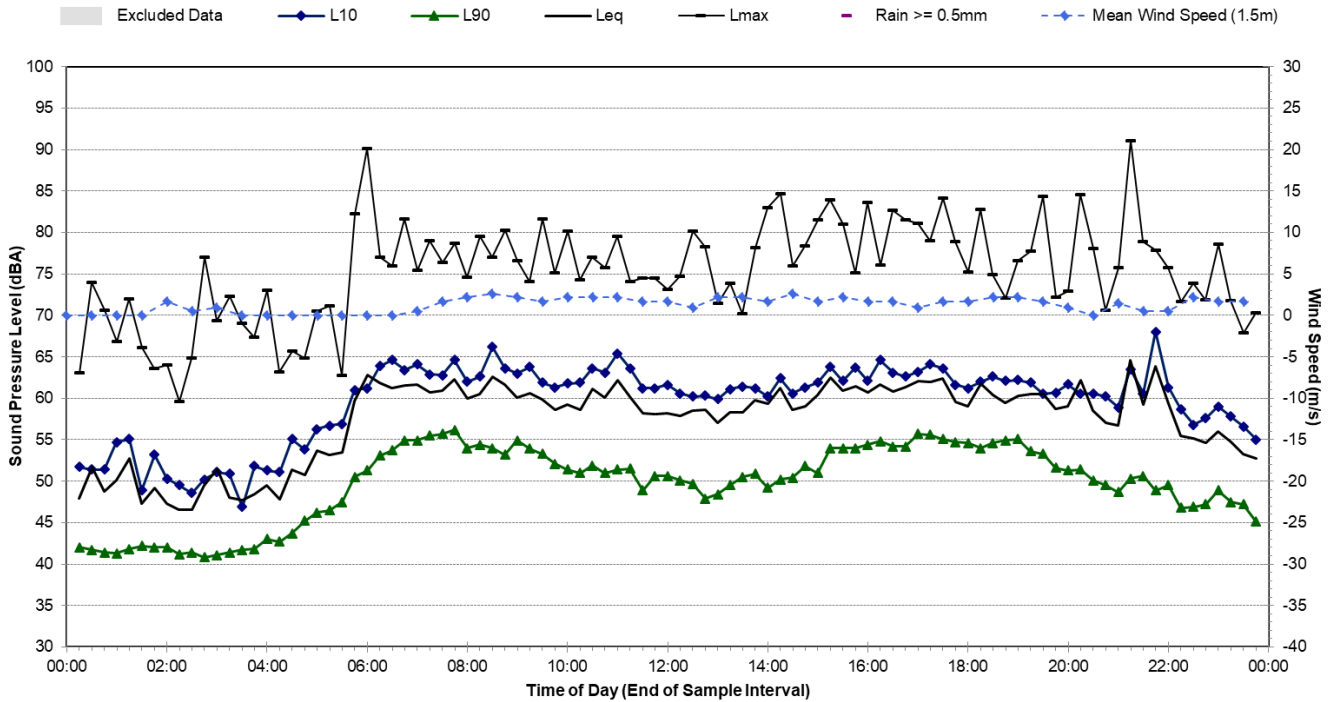
Statistical Ambient Noise Levels

131 Queen St, North Strathfield - Monday, 6 May 2019



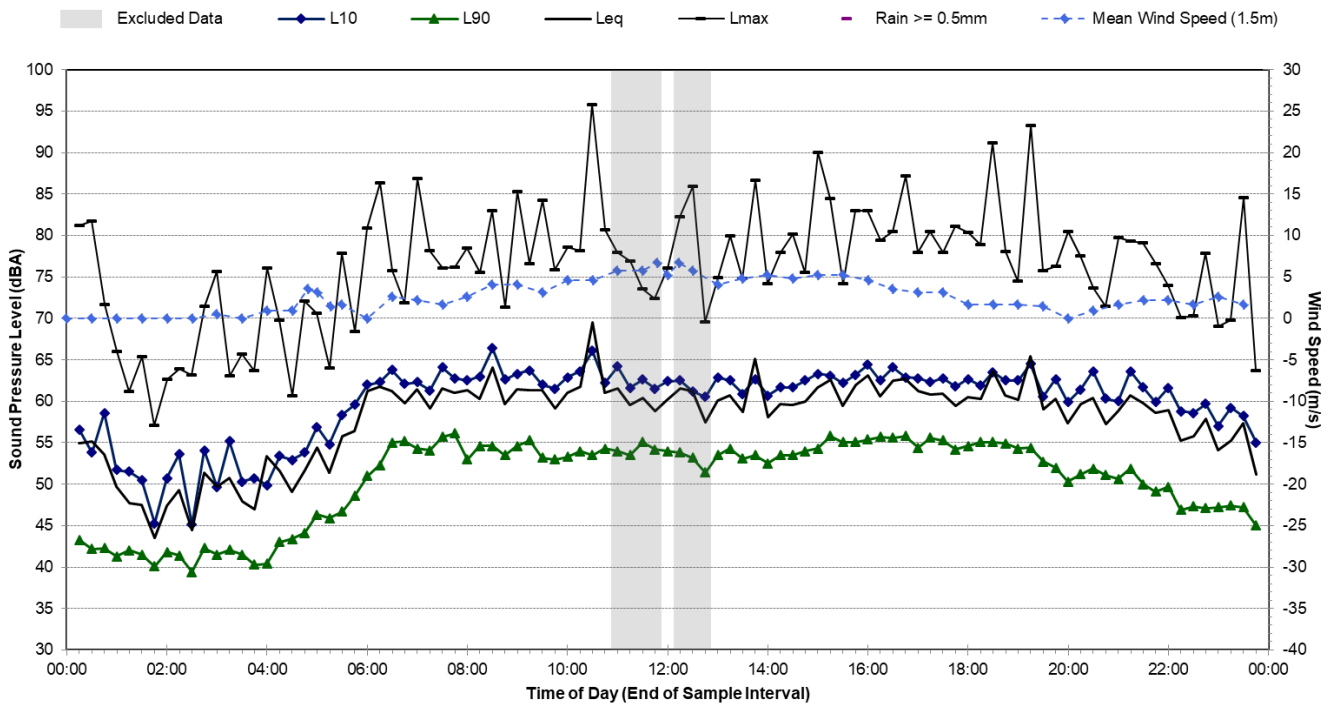
Statistical Ambient Noise Levels

131 Queen St, North Strathfield - Tuesday, 7 May 2019



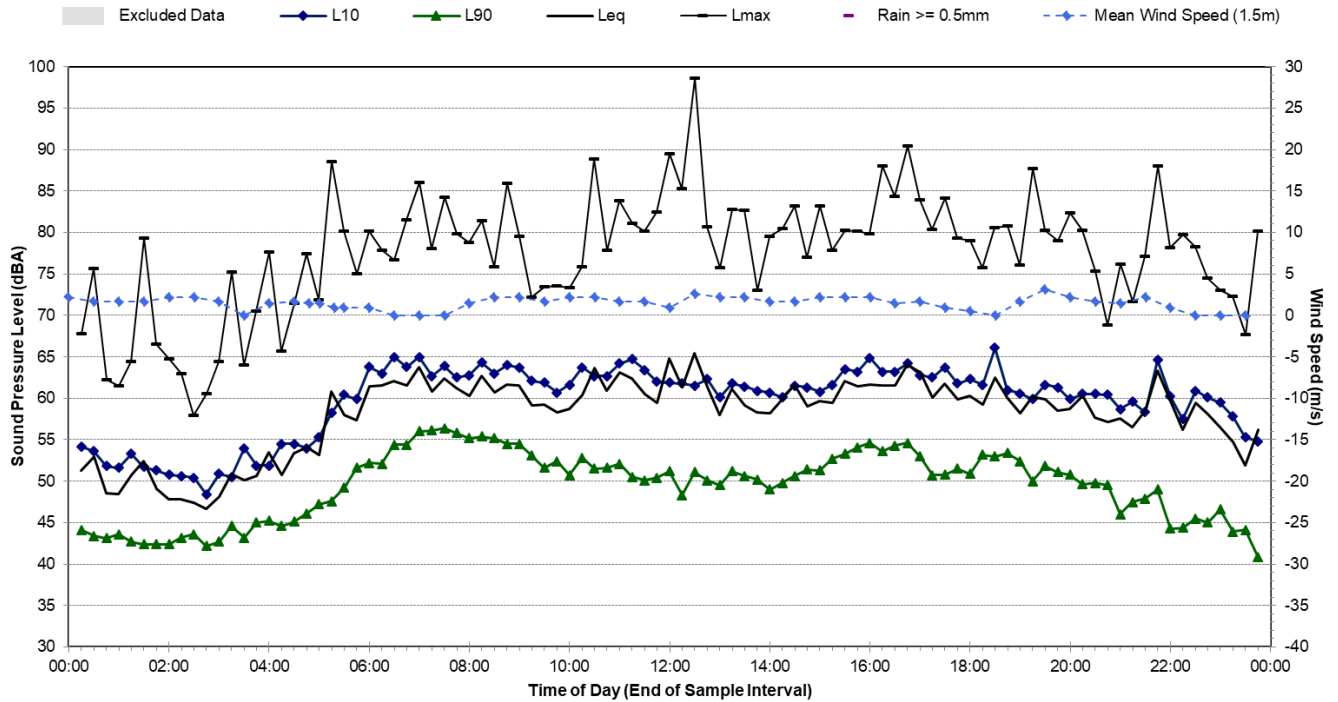
Statistical Ambient Noise Levels

131 Queen St, North Strathfield - Wednesday, 8 May 2019



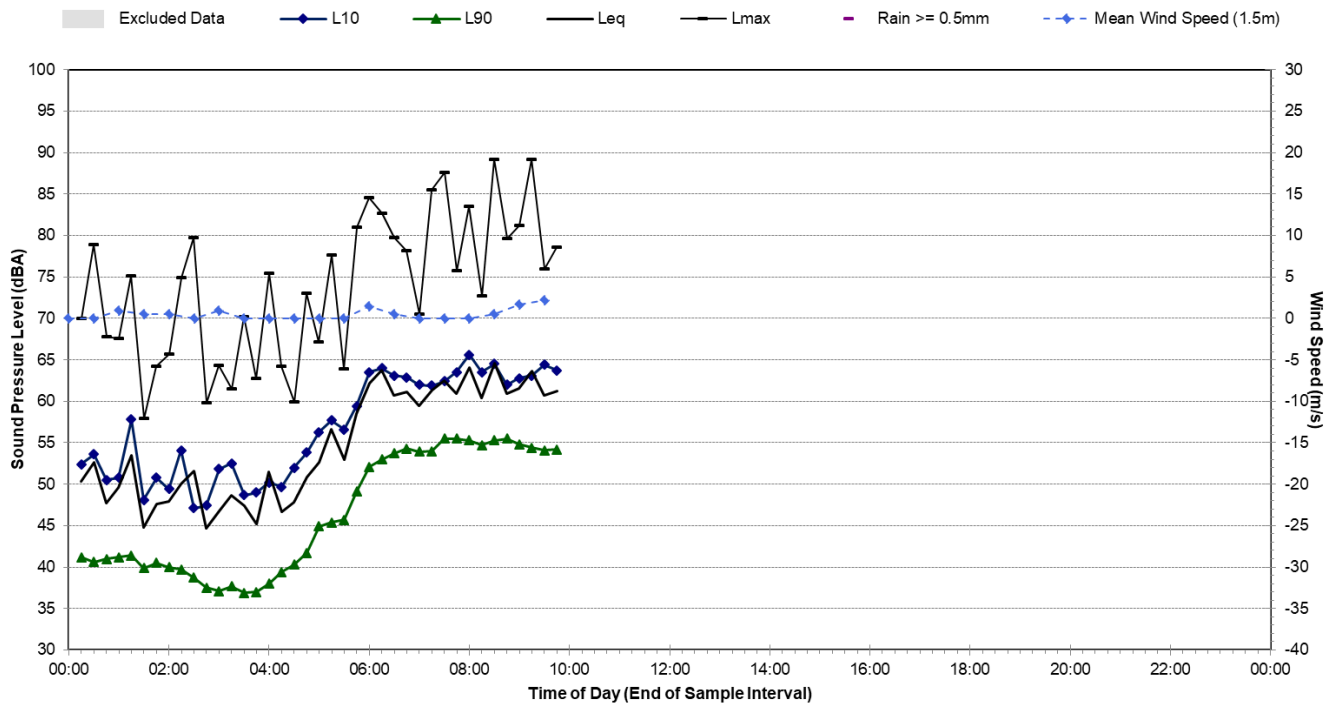
Statistical Ambient Noise Levels


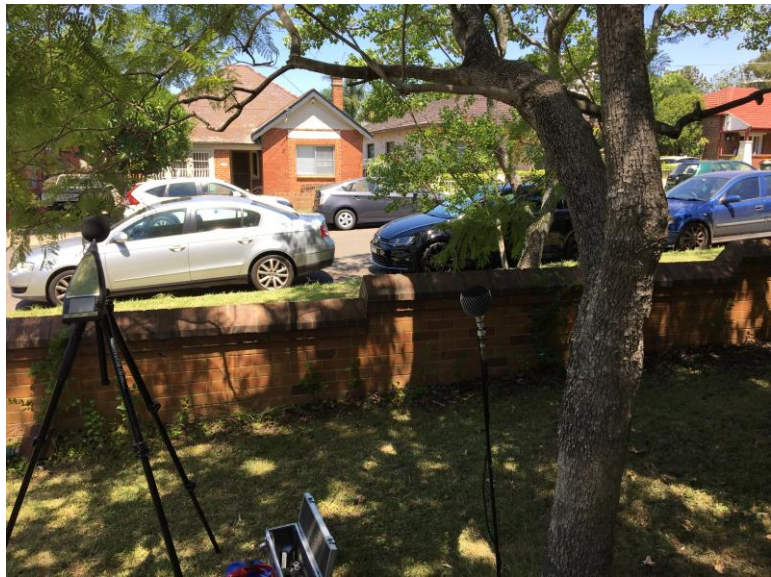
131 Queen St, North Strathfield - Thursday, 9 May 2019



Statistical Ambient Noise Levels

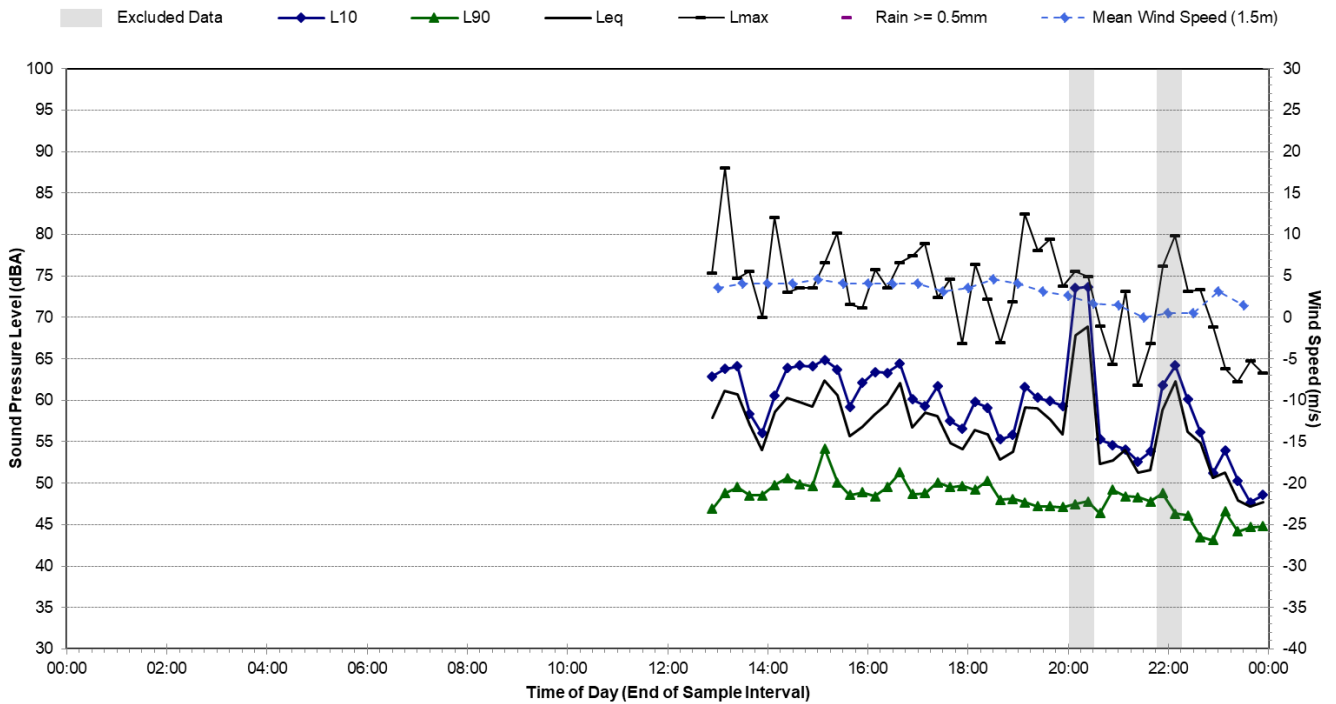
131 Queen St, North Strathfield - Friday, 10 May 2019



Noise Monitoring Location		B.12				Map of Noise Monitoring Location	
Noise Monitoring Address		17 Burton Street, Concord					
Logger Device Type: SVAN957, Logger Serial No: 23816 Sound Level Meter Device Type: Brüel and Kjær 2260, Sound Level Meter Serial No: 2414604							
Ambient noise logger located at 17 Burton Street, Concord. Logger located with view of Burton Street and Parramatta Road to the south, Burwood Road to the west and Loftus Street to the east.							
Attended noise measurements indicate the ambient noise environment at this location is dominated by road traffic noise from Burton Street and Parramatta Road to the south. Aircraft noise also contributes to the measured levels.							
Measured noise levels (LAmax): 18/02/2019: Light-vehicle traffic Burton Street: 58-66 dBA, Heavy-vehicle traffic Parramatta Road: 48-52 dBA, Construction: 48-49 dBA, Aircraft: 58-77 dBA							
Ambient Noise Logging Results ICNG Defined Time Periods							
Monitoring Period (18/02/2019 – 05/03/2019)		Noise Level (dBA)					
	RBL	LAeq	L10	L1			
Daytime	43	56	58	67			
Evening	47	55	57	64			
Night-time	42	50	48	57			
Ambient Noise Logging Results RNP Defined Time Periods							
Monitoring Period (18/02/2019 – 05/03/2019)		Noise Level (dBA)					
	LAeq(period)		LAeq(1hour)				
Daytime (7am-10pm)	56		59				
Night-time (10pm-7am)	51		56				
Attended Noise Measurement Results							
Date	Start Time	Measured Noise Level (dBA)					
		LA90	LAeq	LAmax			
18/02/2019	12:44	48	58	76			

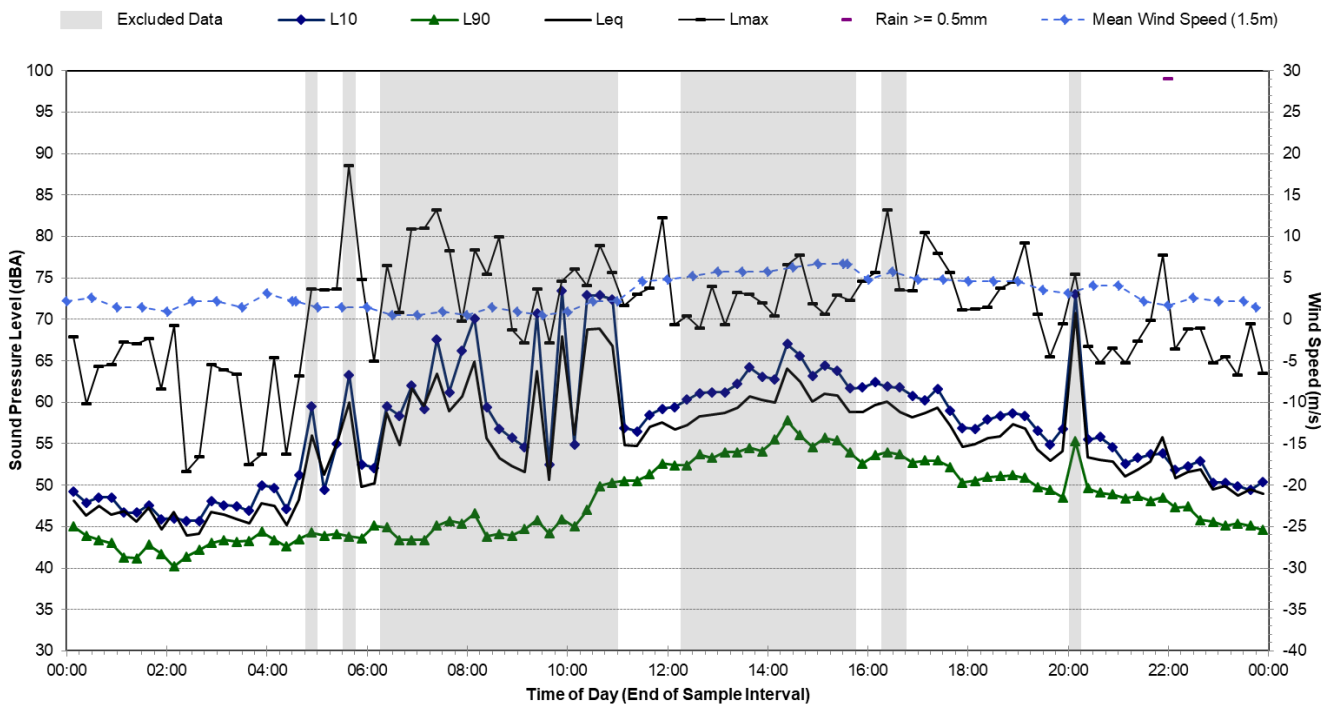
Statistical Ambient Noise Levels

17 Burton St, Concord - Monday, 18 February 2019



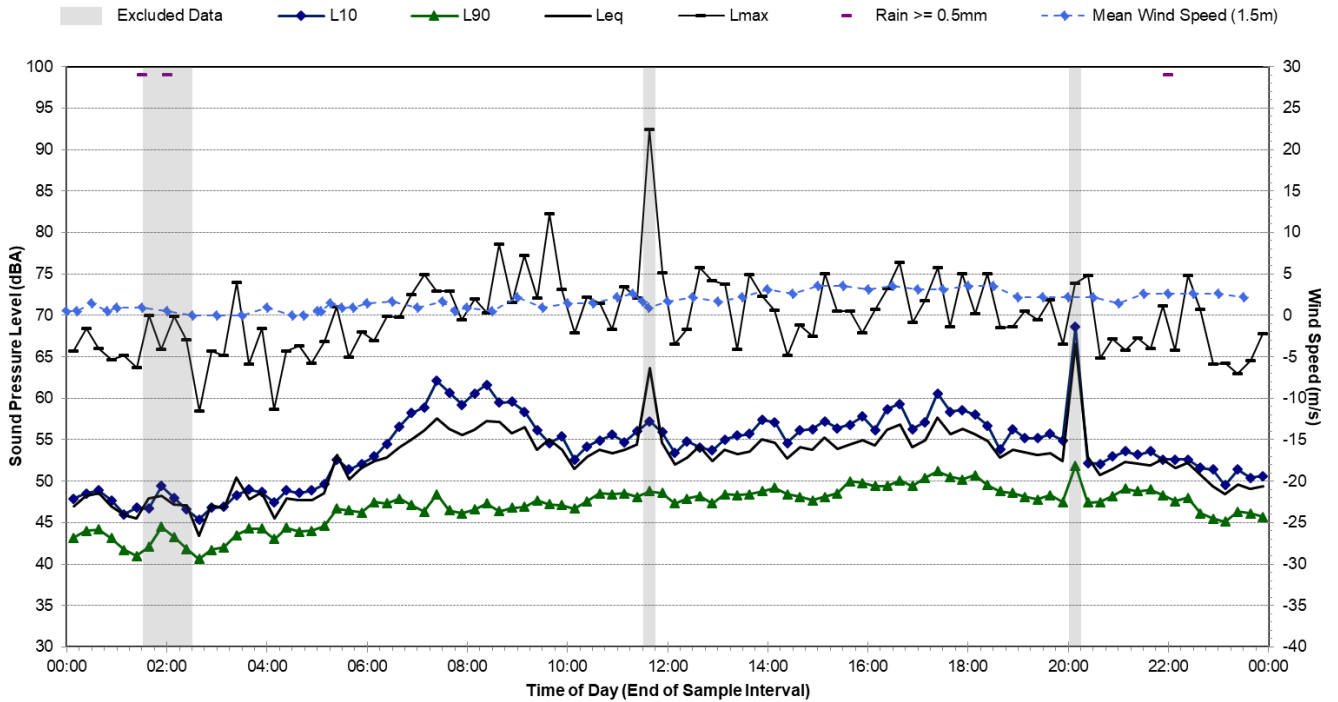
Statistical Ambient Noise Levels

17 Burton St, Concord - Tuesday, 19 February 2019



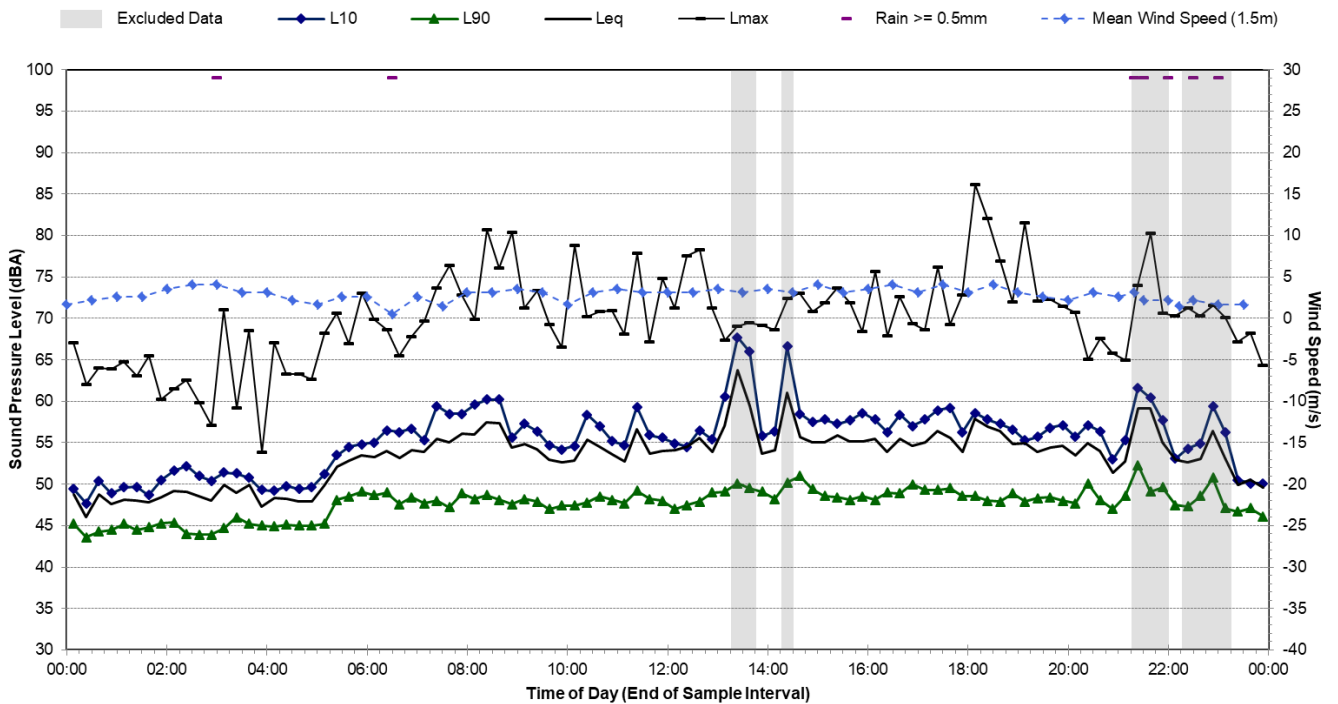
Statistical Ambient Noise Levels

17 Burton St, Concord - Wednesday, 20 February 2019



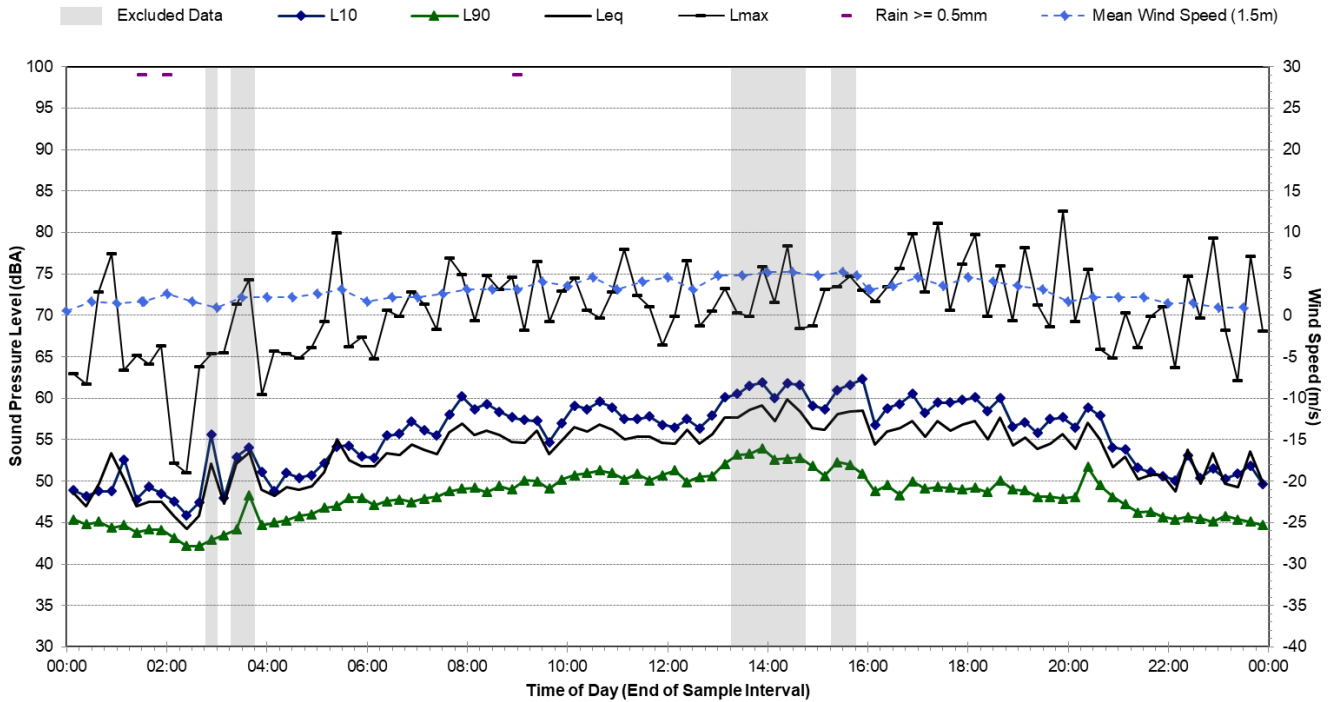
Statistical Ambient Noise Levels

17 Burton St, Concord - Thursday, 21 February 2019



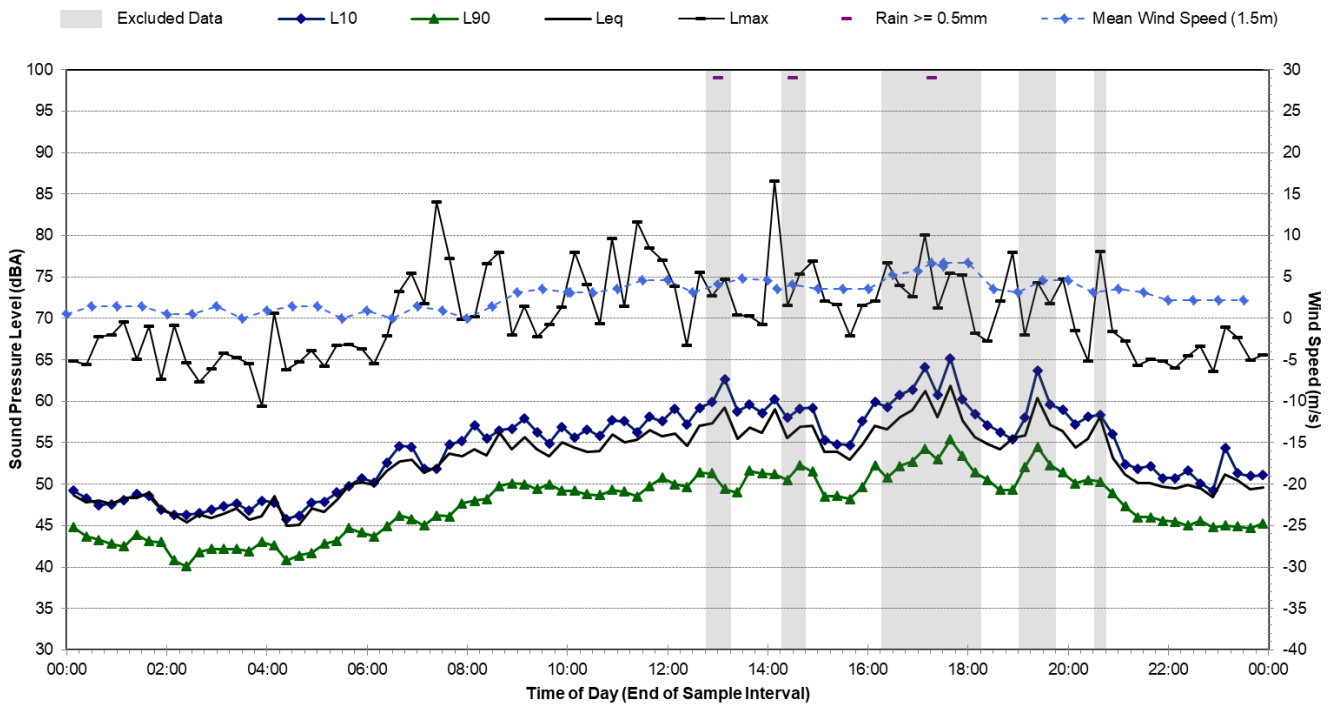
Statistical Ambient Noise Levels

17 Burton St, Concord - Friday, 22 February 2019



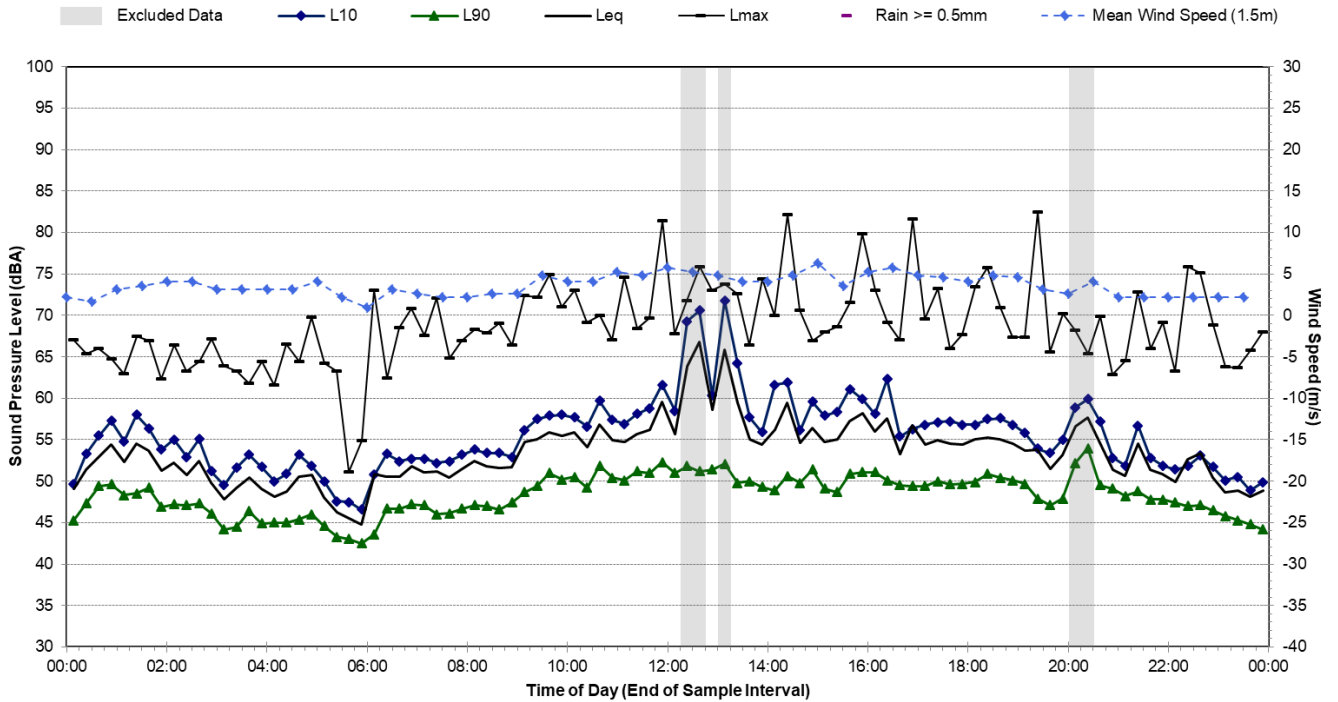
Statistical Ambient Noise Levels

17 Burton St, Concord - Saturday, 23 February 2019



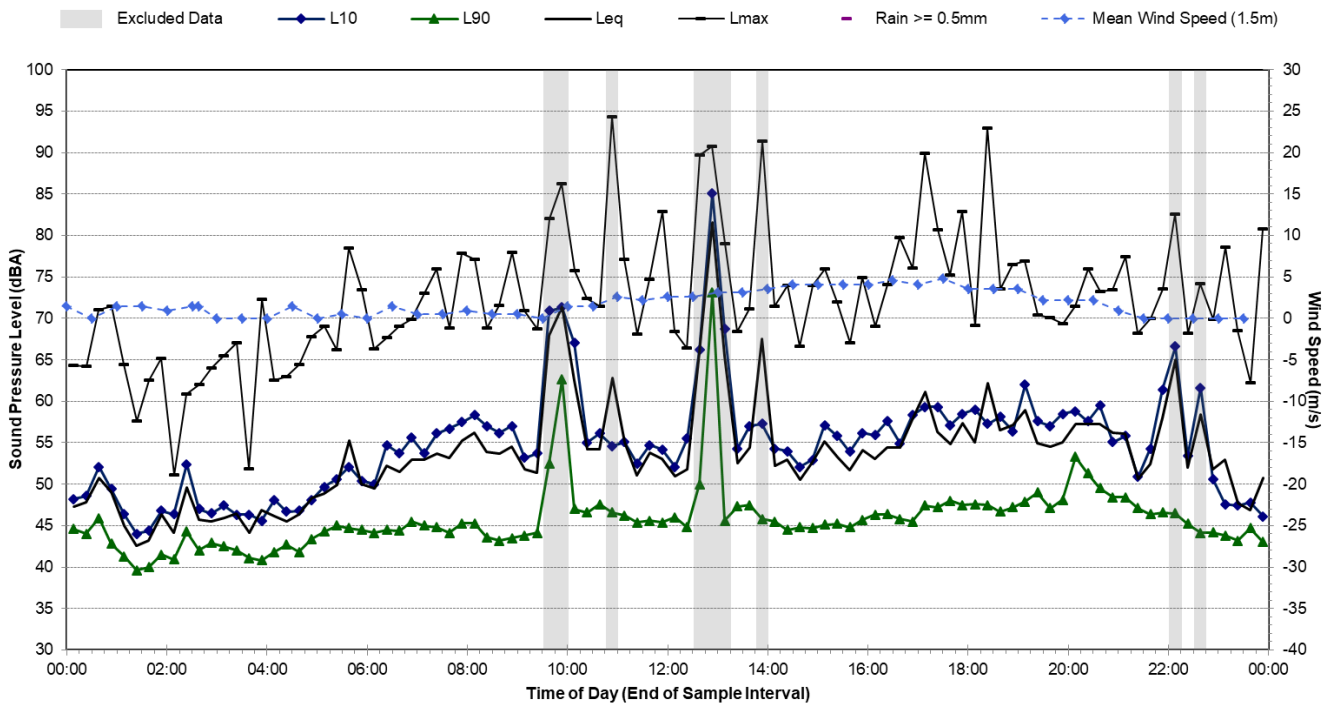
Statistical Ambient Noise Levels

17 Burton St, Concord - Sunday, 24 February 2019



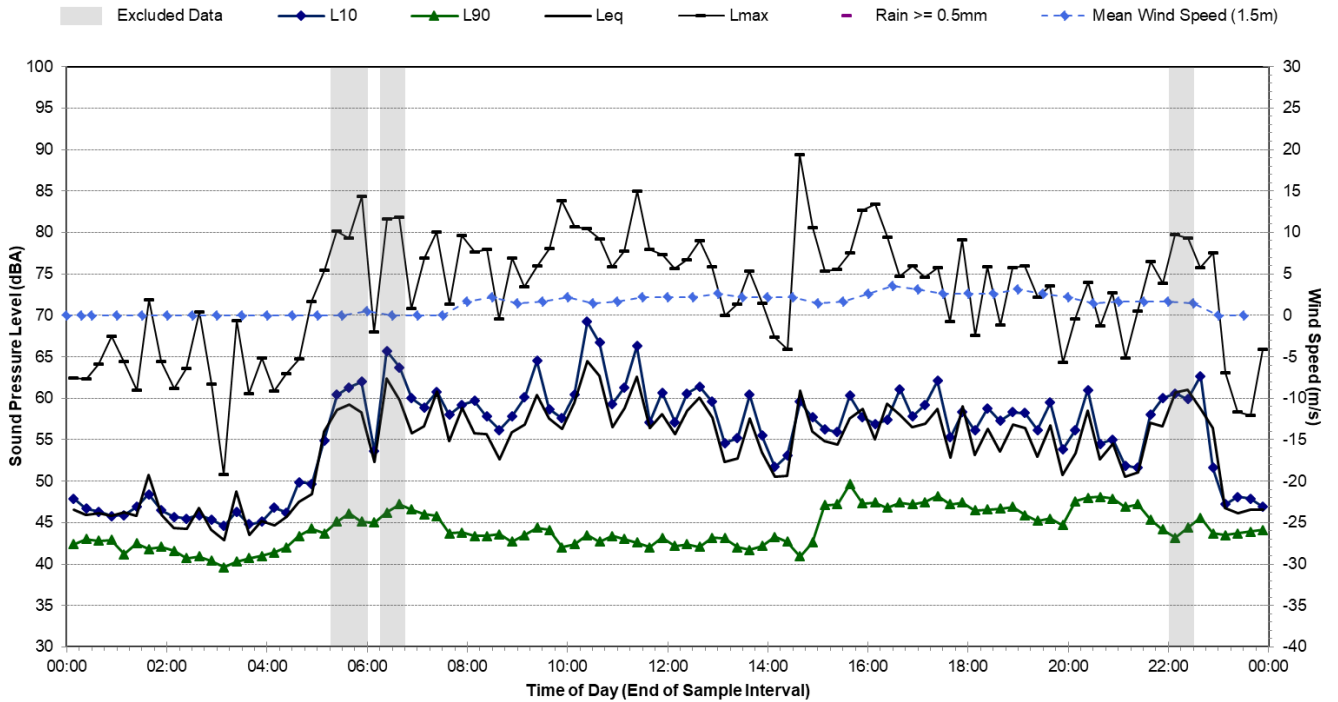
Statistical Ambient Noise Levels

17 Burton St, Concord - Monday, 25 February 2019



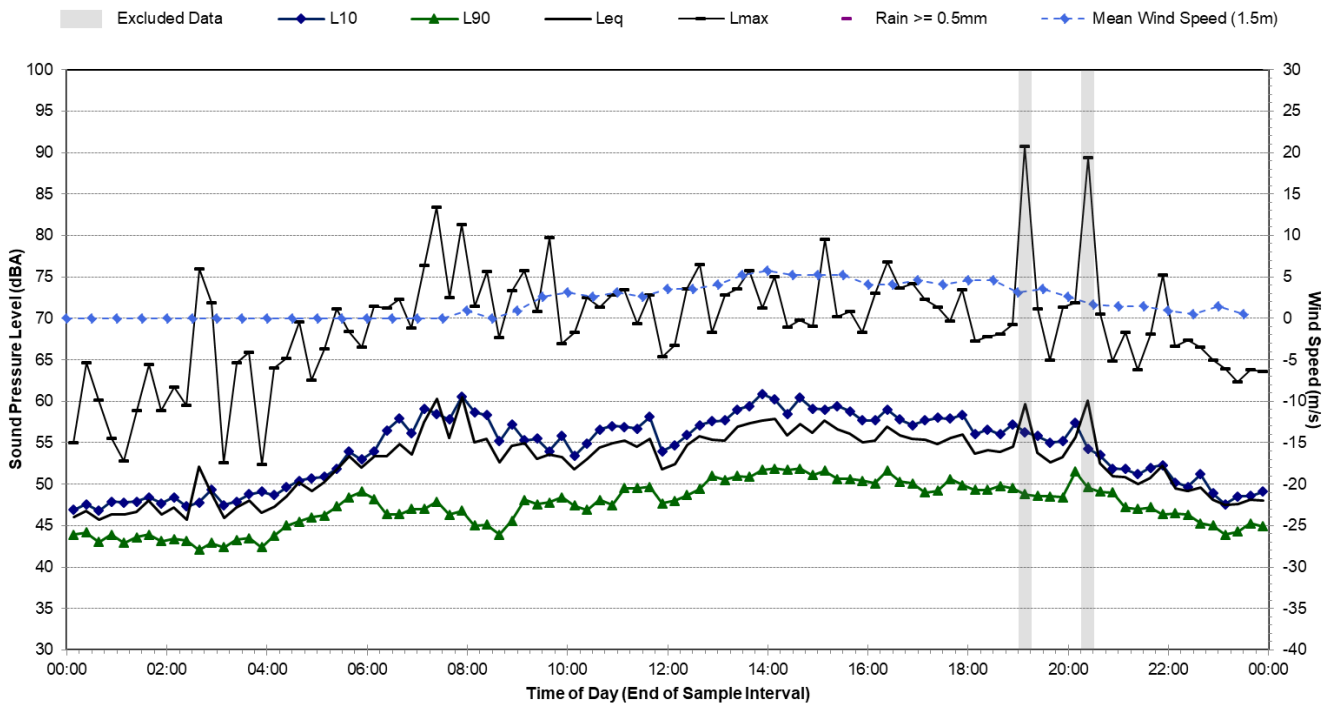
Statistical Ambient Noise Levels

17 Burton St, Concord - Tuesday, 26 February 2019



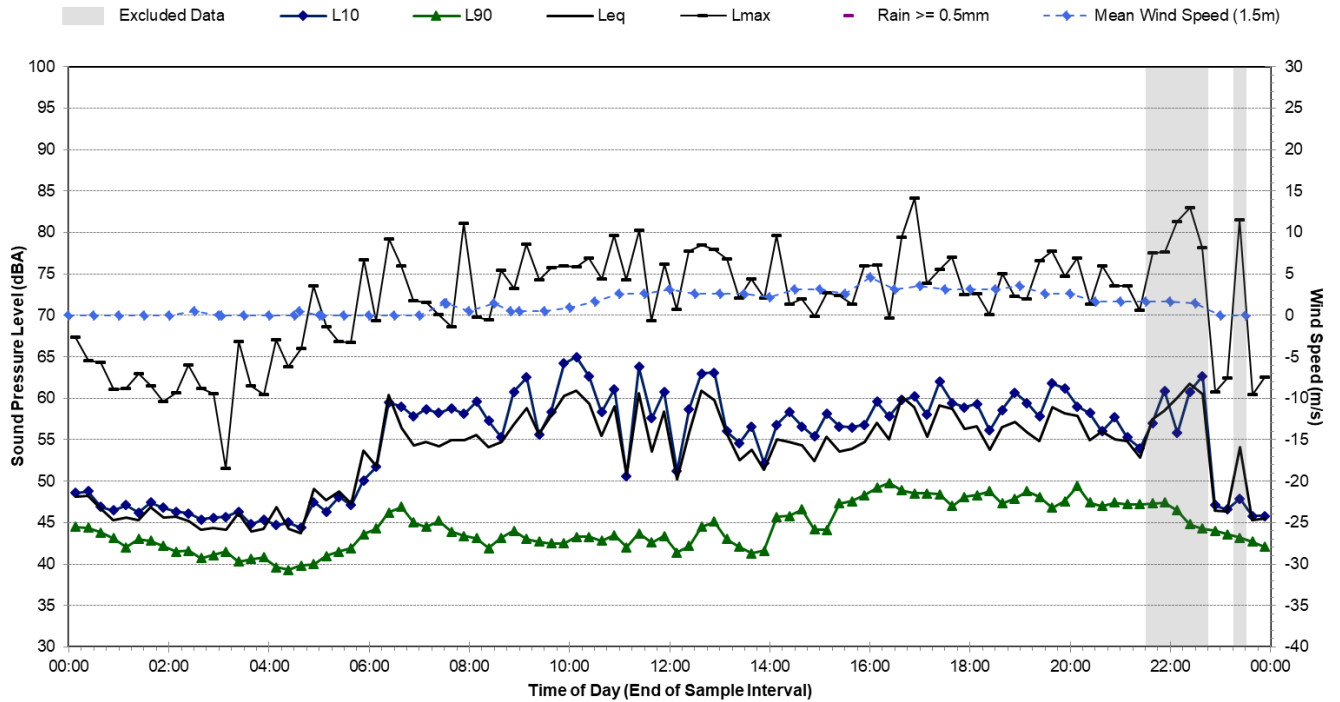
Statistical Ambient Noise Levels

17 Burton St, Concord - Wednesday, 27 February 2019



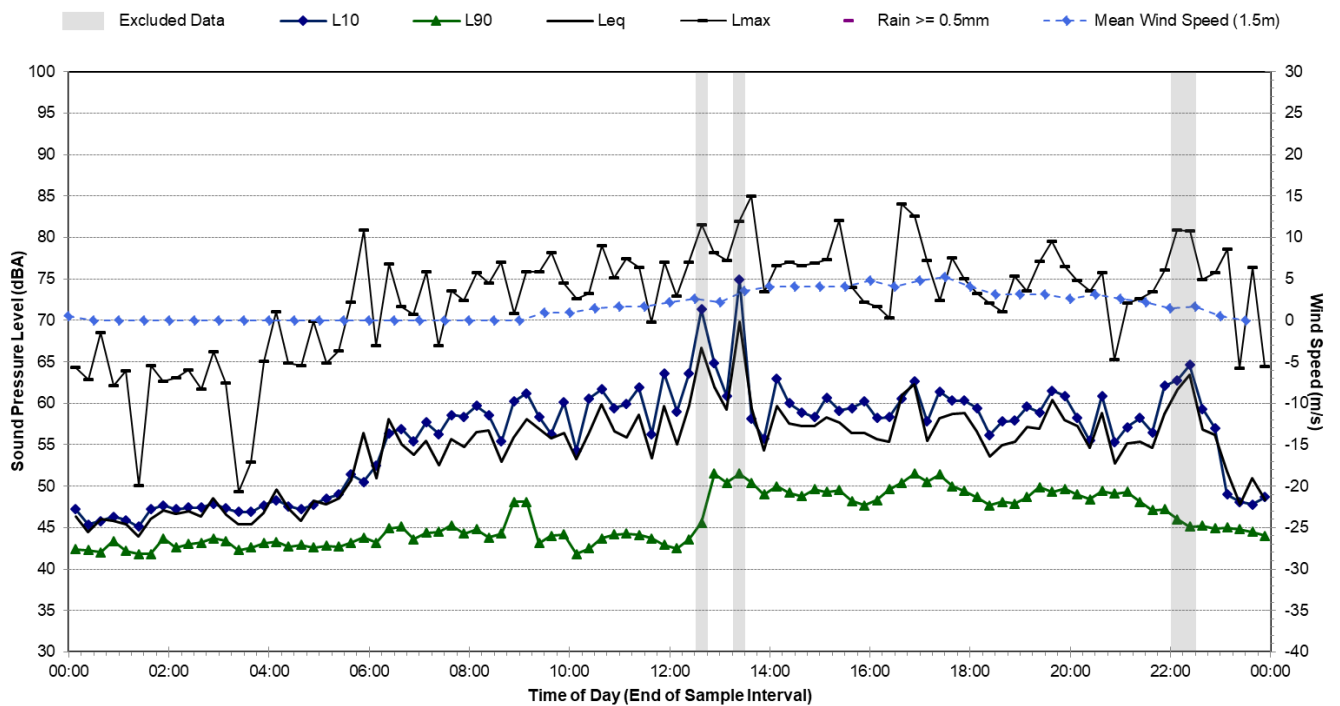
Statistical Ambient Noise Levels

17 Burton St, Concord - Thursday, 28 February 2019



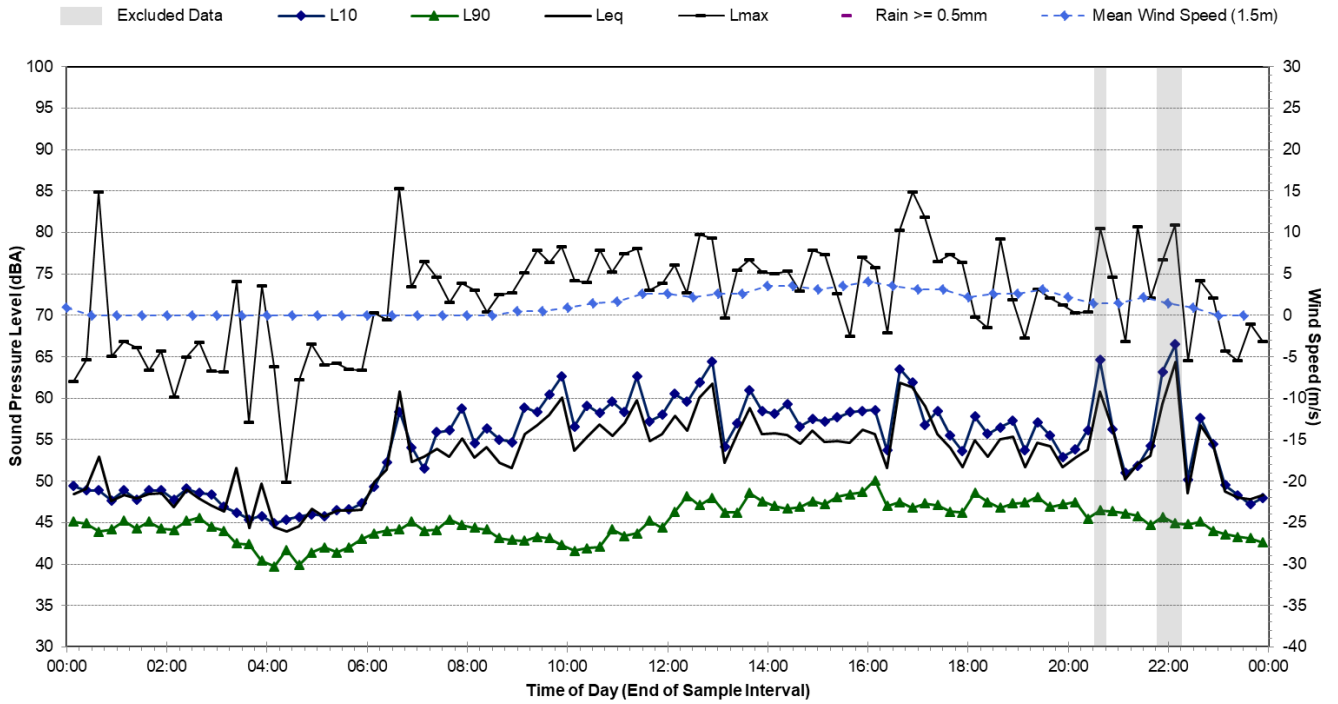
Statistical Ambient Noise Levels

17 Burton St, Concord - Friday, 1 March 2019



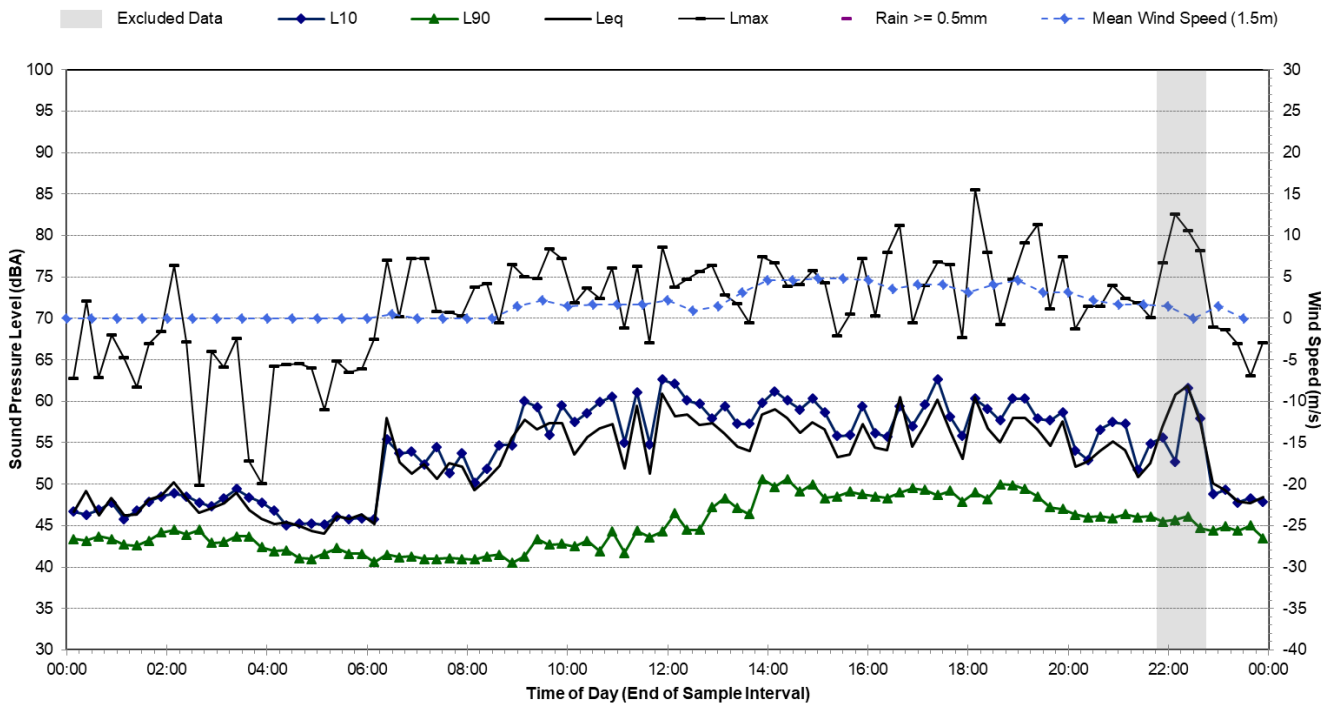
Statistical Ambient Noise Levels

17 Burton St, Concord - Saturday, 2 March 2019



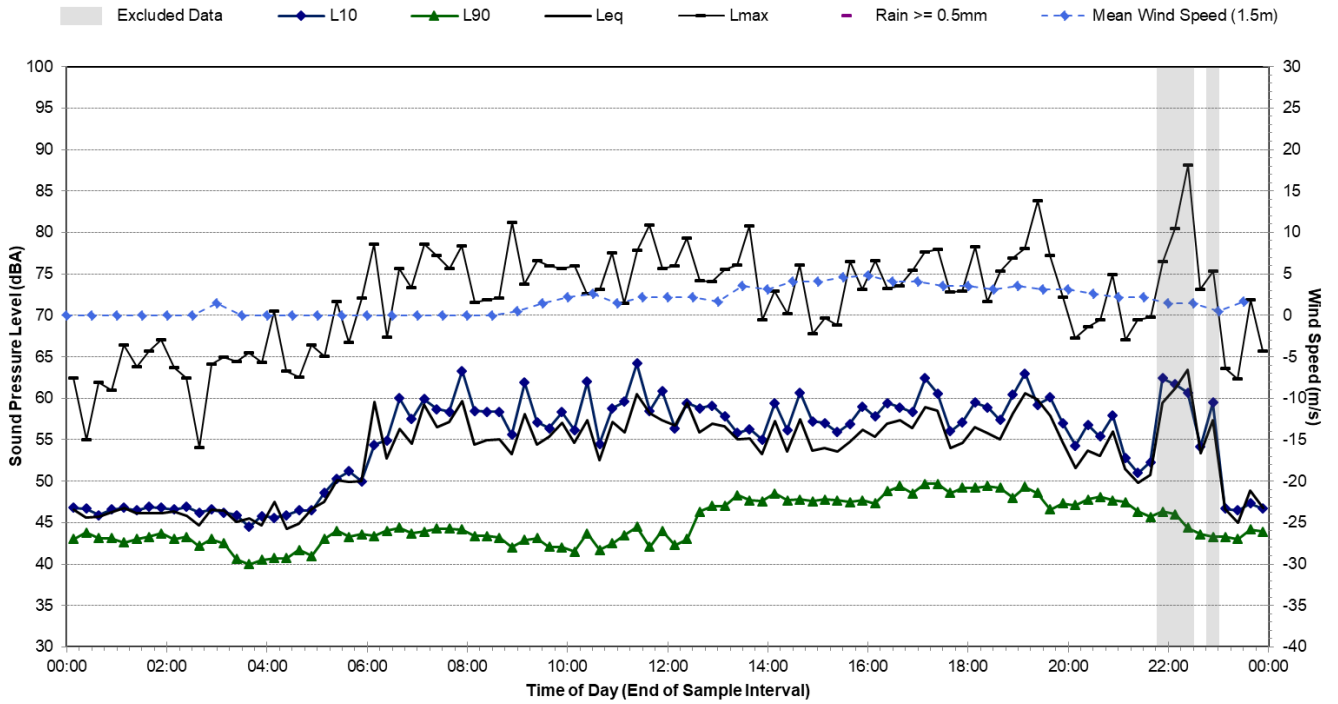
Statistical Ambient Noise Levels

17 Burton St, Concord - Sunday, 3 March 2019



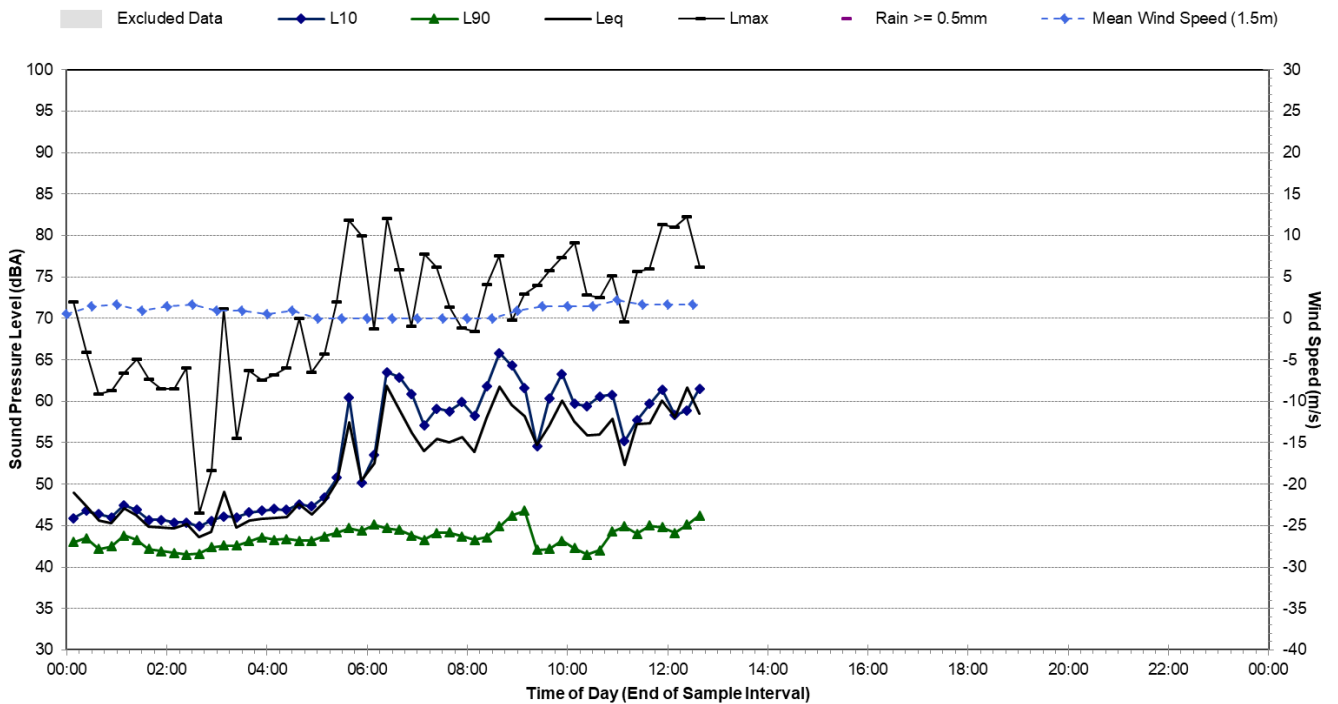
Statistical Ambient Noise Levels

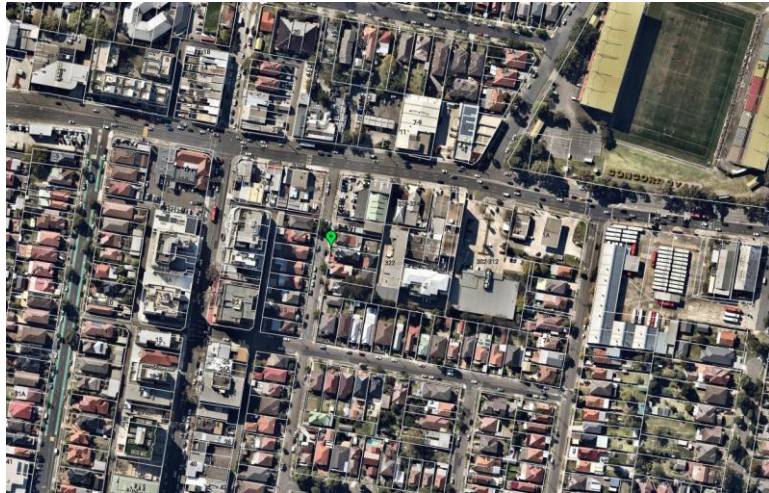

17 Burton St, Concord - Monday, 4 March 2019



Statistical Ambient Noise Levels

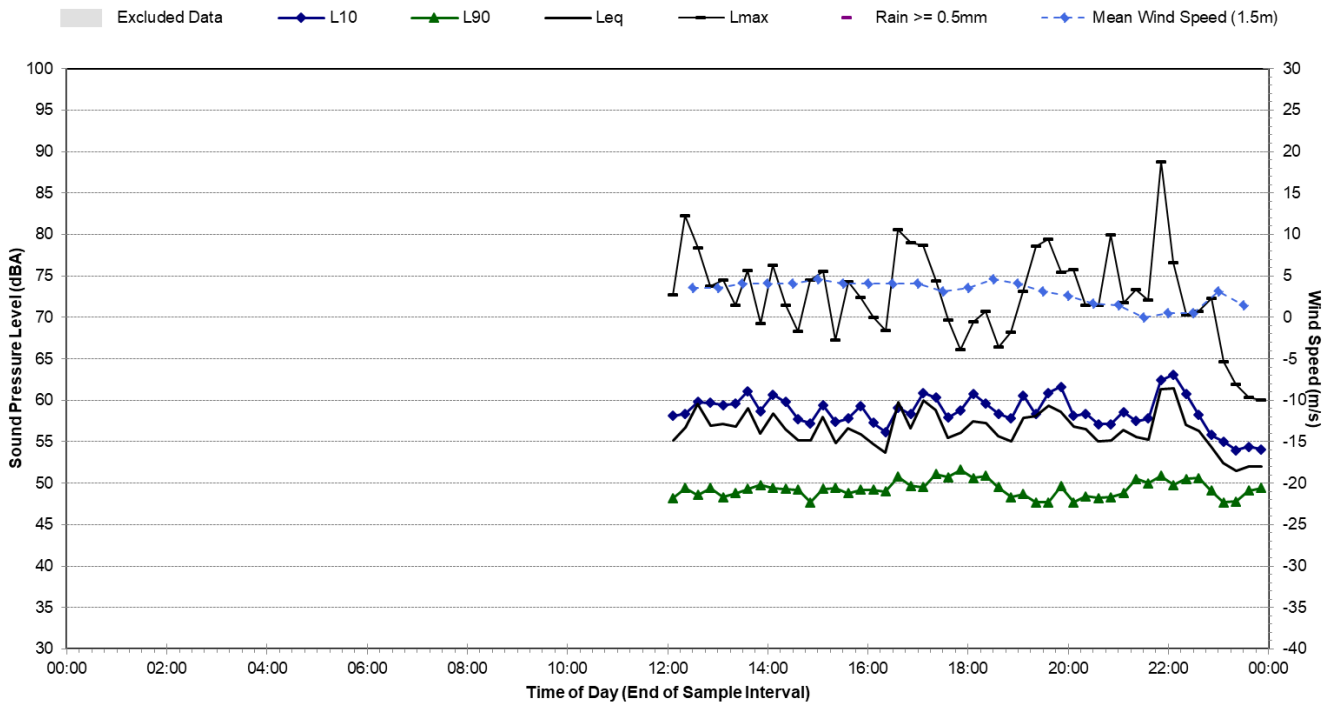
17 Burton St, Concord - Tuesday, 5 March 2019



Noise Monitoring Location	B.13					
Noise Monitoring Address	8 Esher Street, Burwood					
Logger Device Type: SVAN957, Logger Serial No: 27579 Sound Level Meter Device Type: Brüel and Kjær 2260, Sound Level Meter Serial No: 2414604						
Ambient noise logger located at 8 Esher Street, Burwood. Logger located with view of Parramatta Road to the north and Milton Street to the south.						
Attended noise measurements indicate the ambient noise environment at this location is dominated by road traffic noise from Parramatta Road to the north. Aircraft noise also contributes to the measured noise levels.						
Measured noise levels (LAmax): 18/02/2019: Light-vehicle traffic Parramatta Road: 49-55 dBA, Heavy-vehicle traffic Parramatta Road: 52-67 dBA, Light-vehicle traffic Esher Street: 57 dBA, Aircraft: 59-75 dBA, Construction: 56 dBA						
Ambient Noise Logging Results ICNG Defined Time Periods						
Monitoring Period (18/02/2019 – 05/03/2019)	Noise Level (dBA)					
	RBL	LAeq	L10	L1		
Daytime	48	57	58	63		
Evening	48	56	58	66		
Night-time	44	55	56	61		
Ambient Noise Logging Results RNP Defined Time Periods						
Monitoring Period (18/02/2019 – 05/03/2019)	Noise Level (dBA)			LAeq(1hour)		
	LAeq(period)					
Daytime (7am-10pm)	57		60			
Night-time (10pm-7am)	55		59			
Attended Noise Measurement Results						
Date	Start Time	Measured Noise Level (dBA)				
		LA90	LAeq	LAmax		
18/02/2019	11:36	50	60	75		

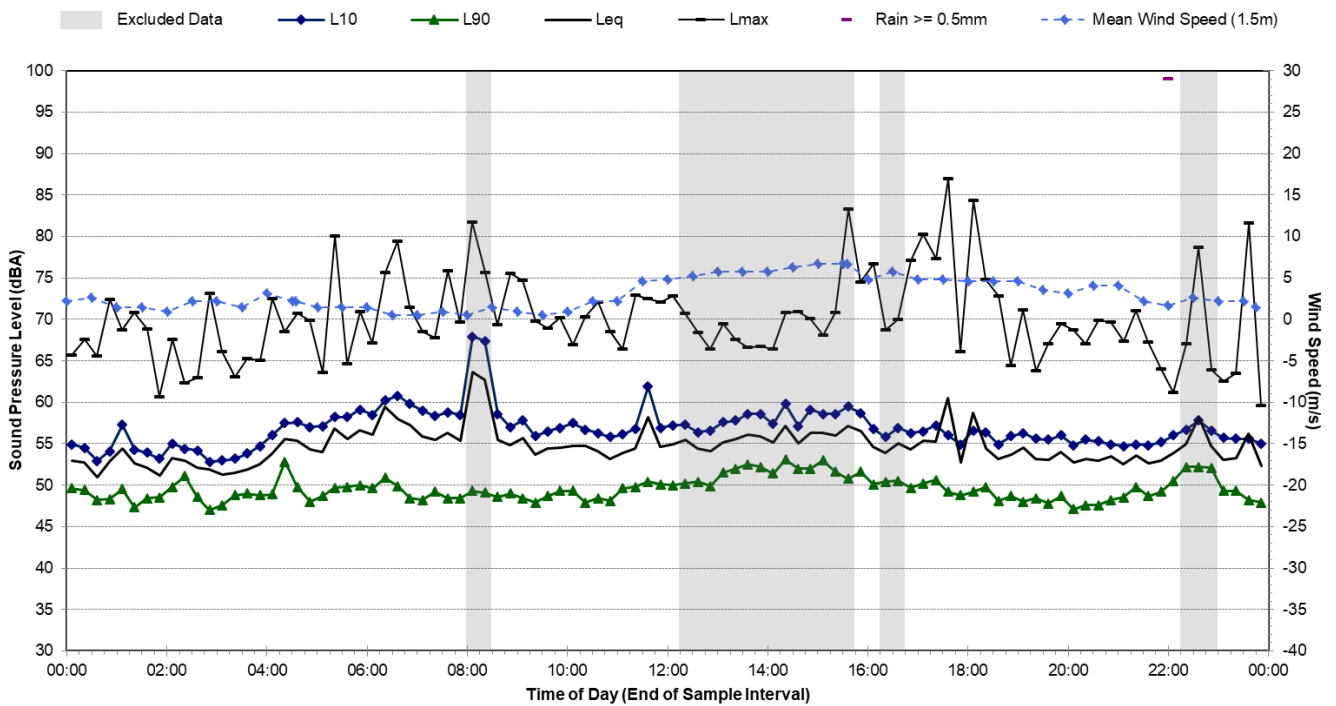
Statistical Ambient Noise Levels

8 Esher St, Burwood - Monday, 18 February 2019



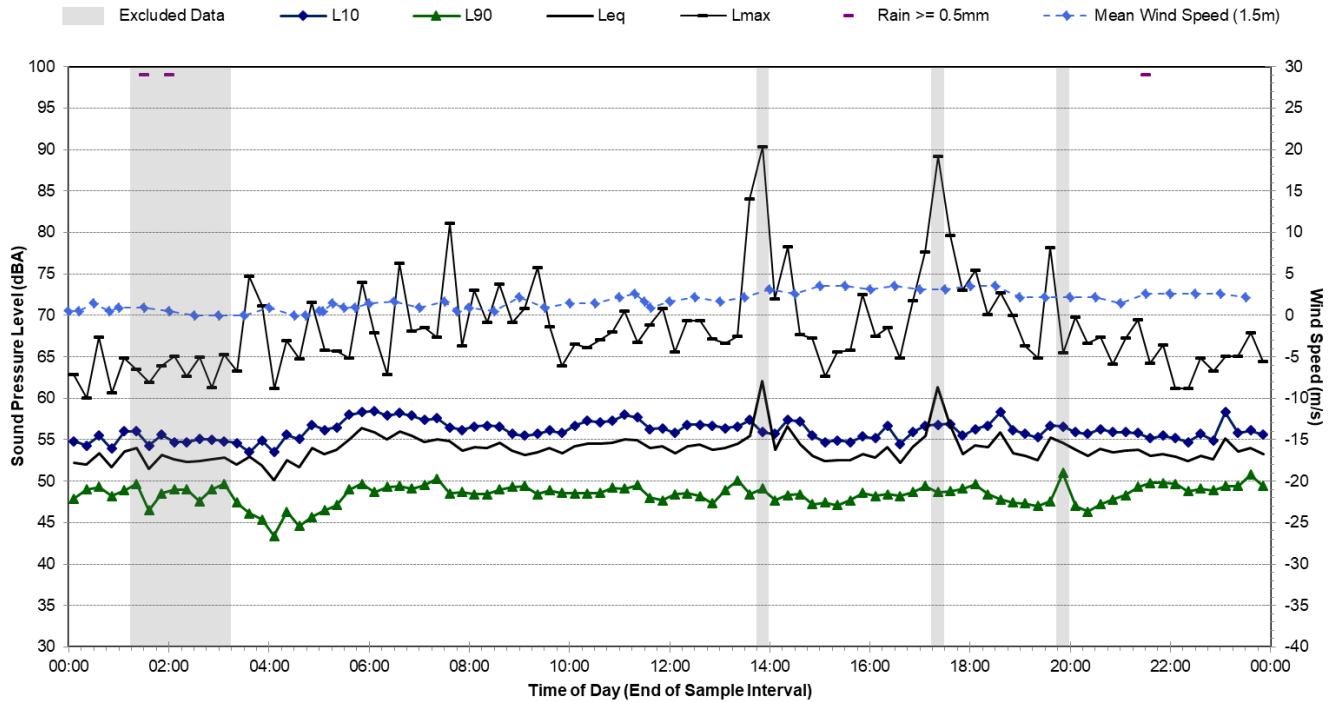
Statistical Ambient Noise Levels

8 Esher St, Burwood - Tuesday, 19 February 2019



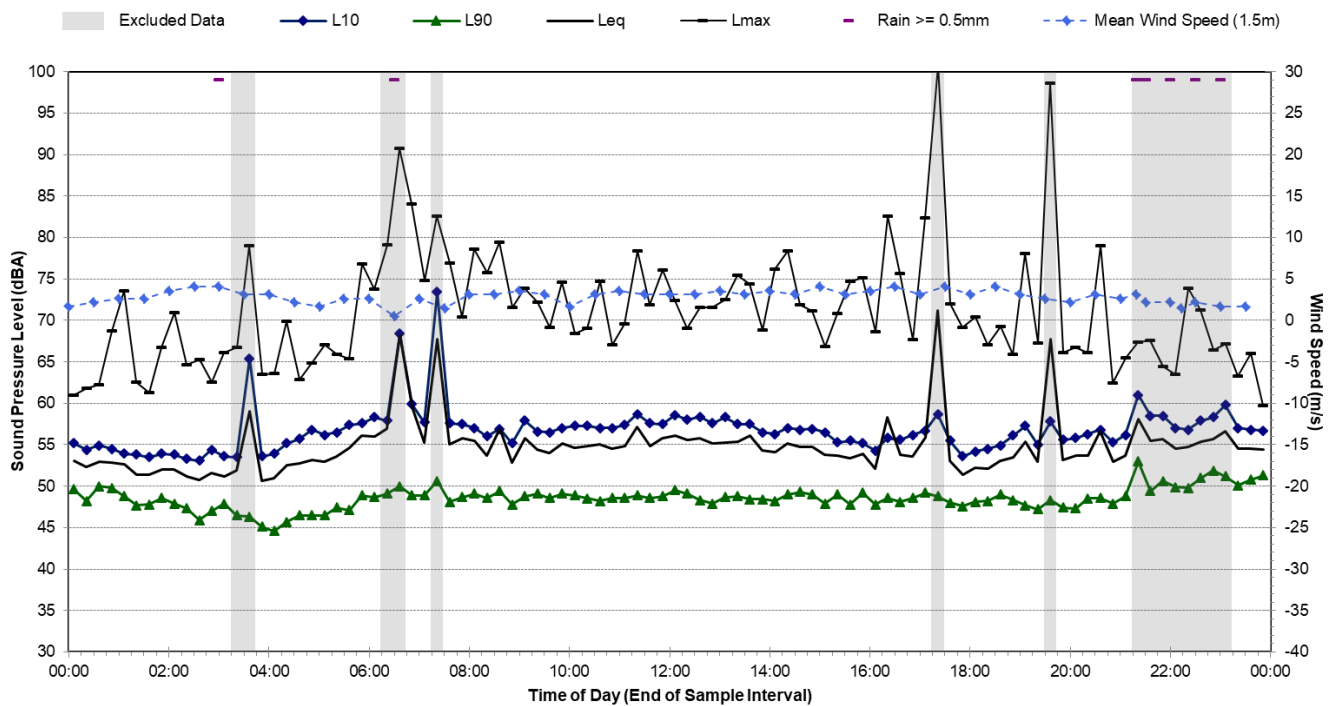
Statistical Ambient Noise Levels

8 Esher St, Burwood - Wednesday, 20 February 2019



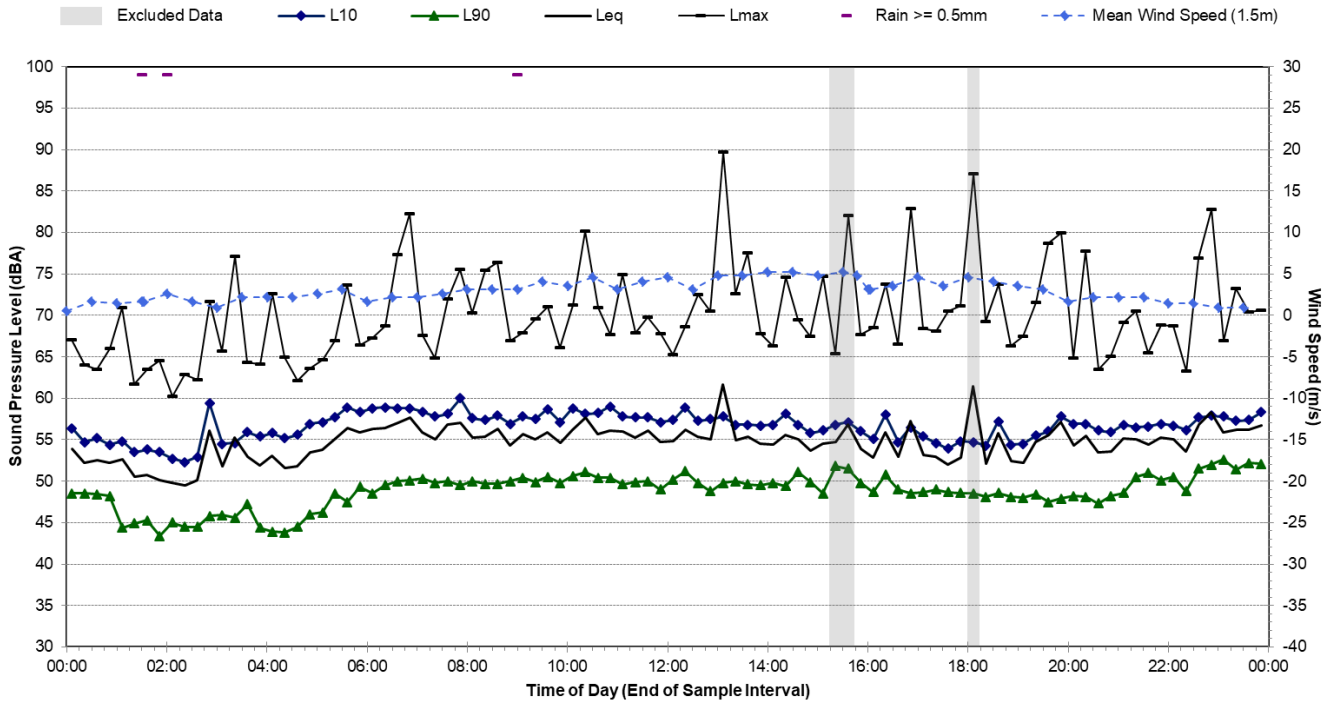
Statistical Ambient Noise Levels

8 Esher St, Burwood - Thursday, 21 February 2019



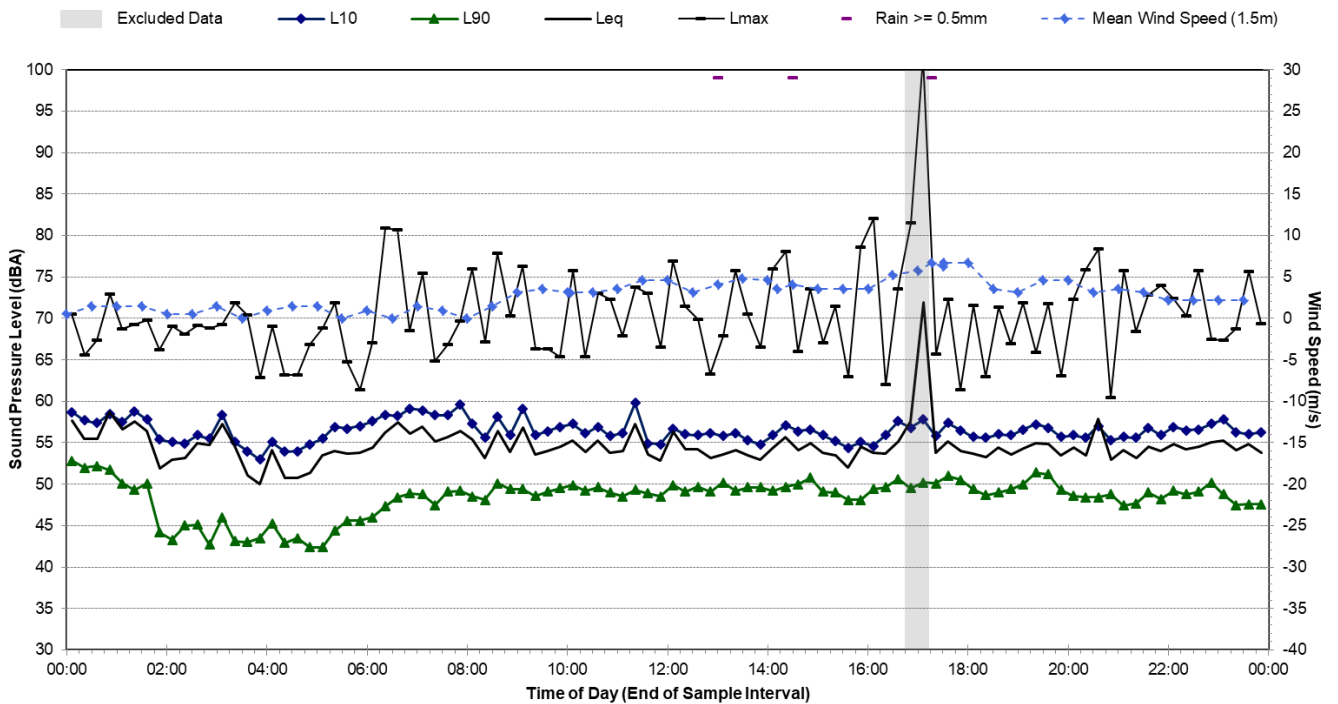
Statistical Ambient Noise Levels

8 Esher St, Burwood - Friday, 22 February 2019



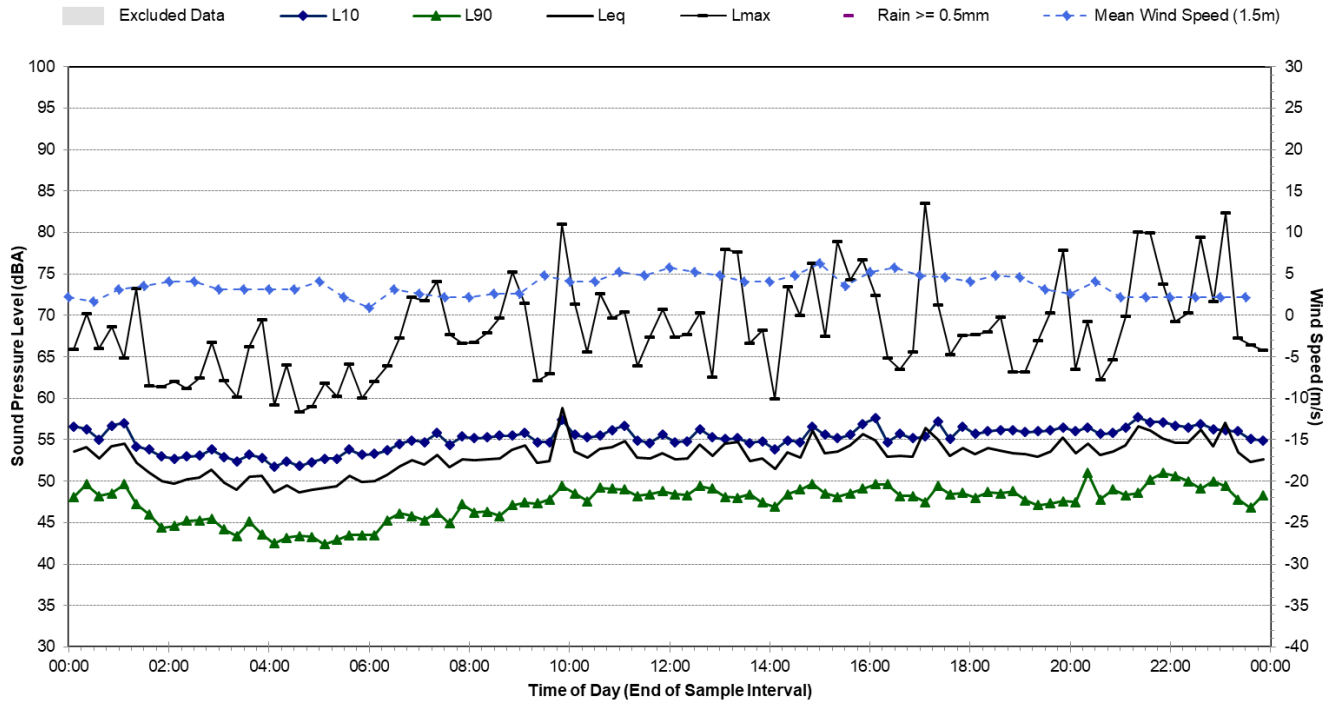
Statistical Ambient Noise Levels

8 Esher St, Burwood - Saturday, 23 February 2019



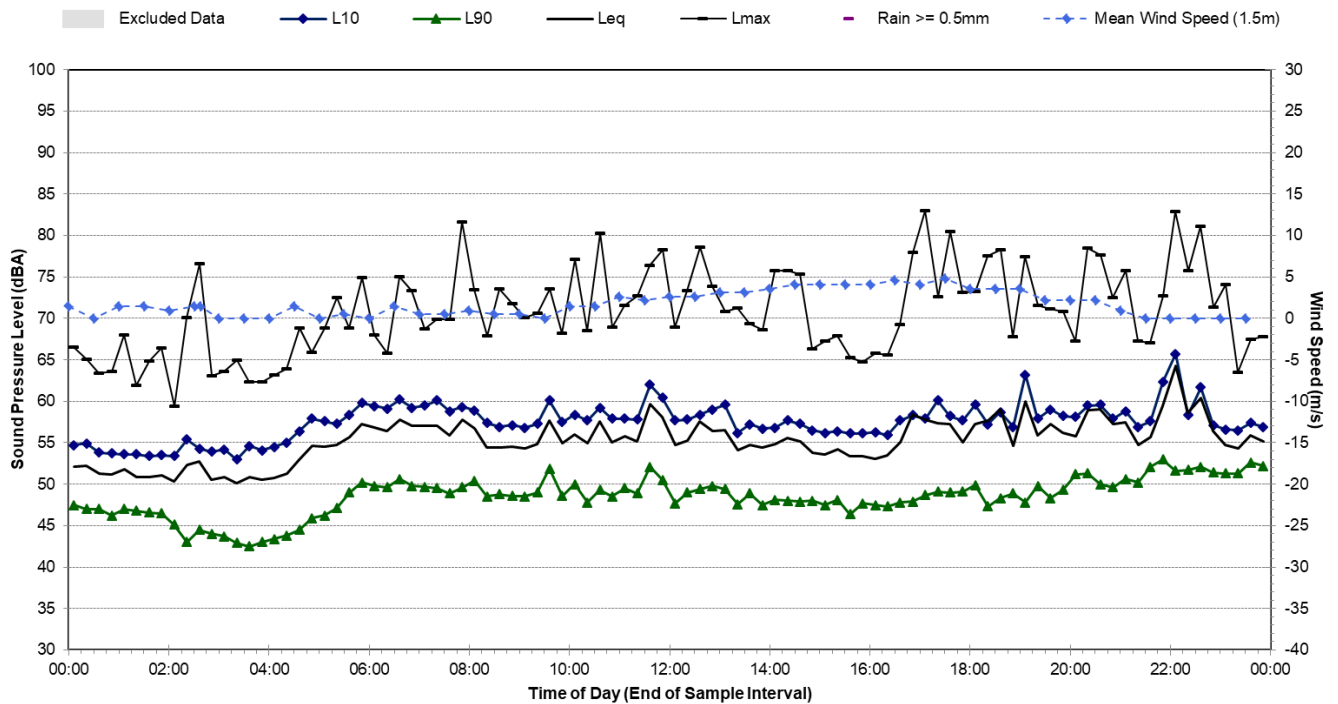
Statistical Ambient Noise Levels

8 Esher St, Burwood - Sunday, 24 February 2019



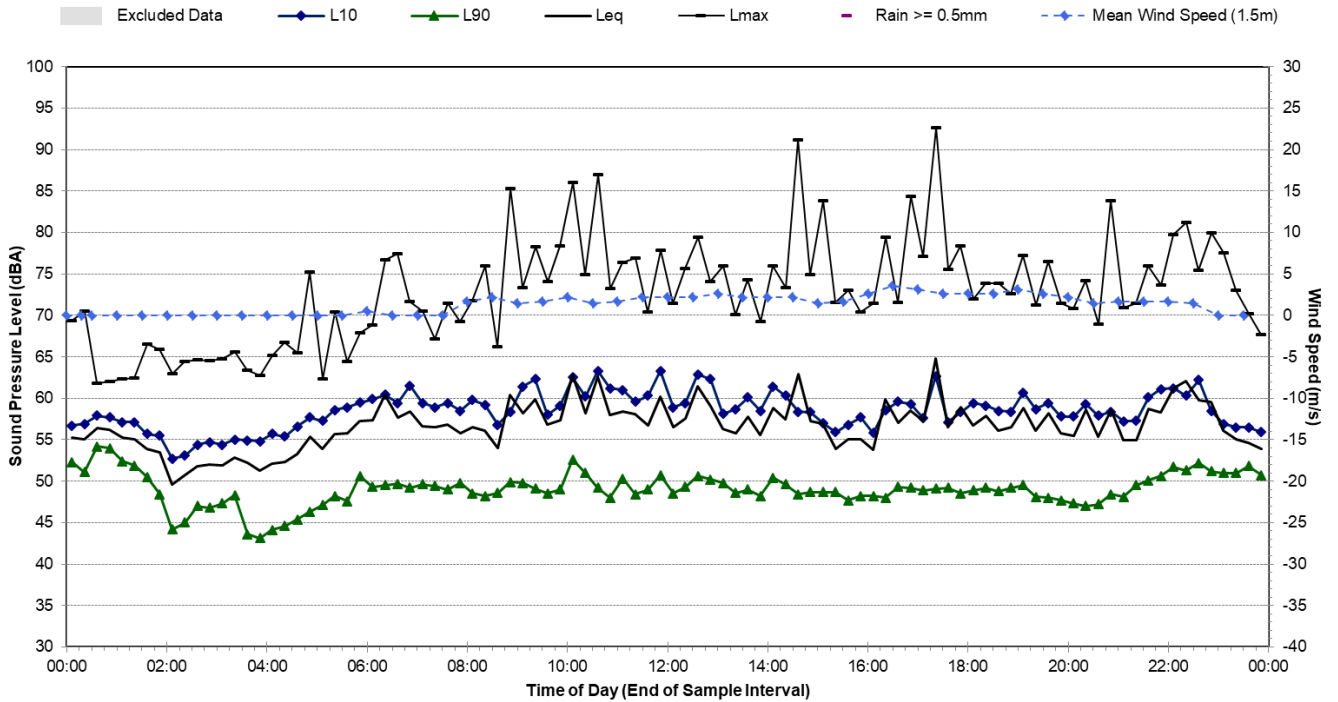
Statistical Ambient Noise Levels

8 Esher St, Burwood - Monday, 25 February 2019



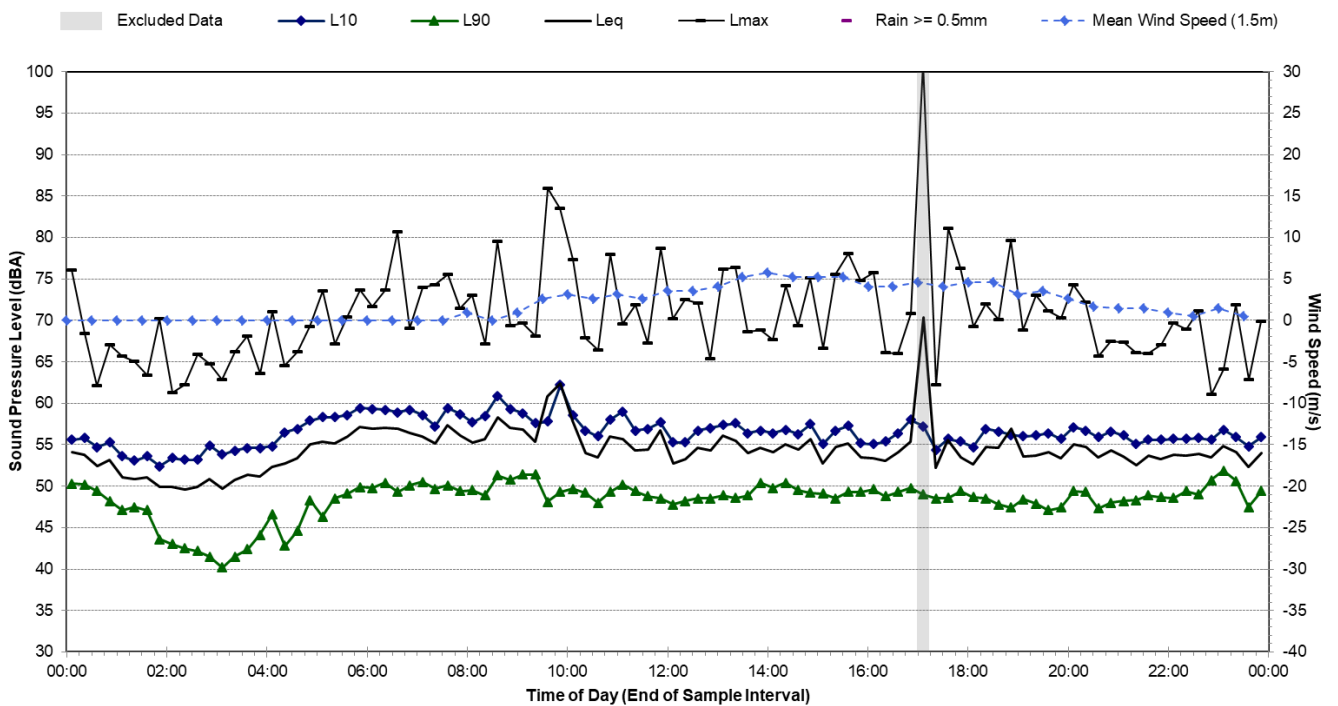
Statistical Ambient Noise Levels

8 Esher St, Burwood - Tuesday, 26 February 2019



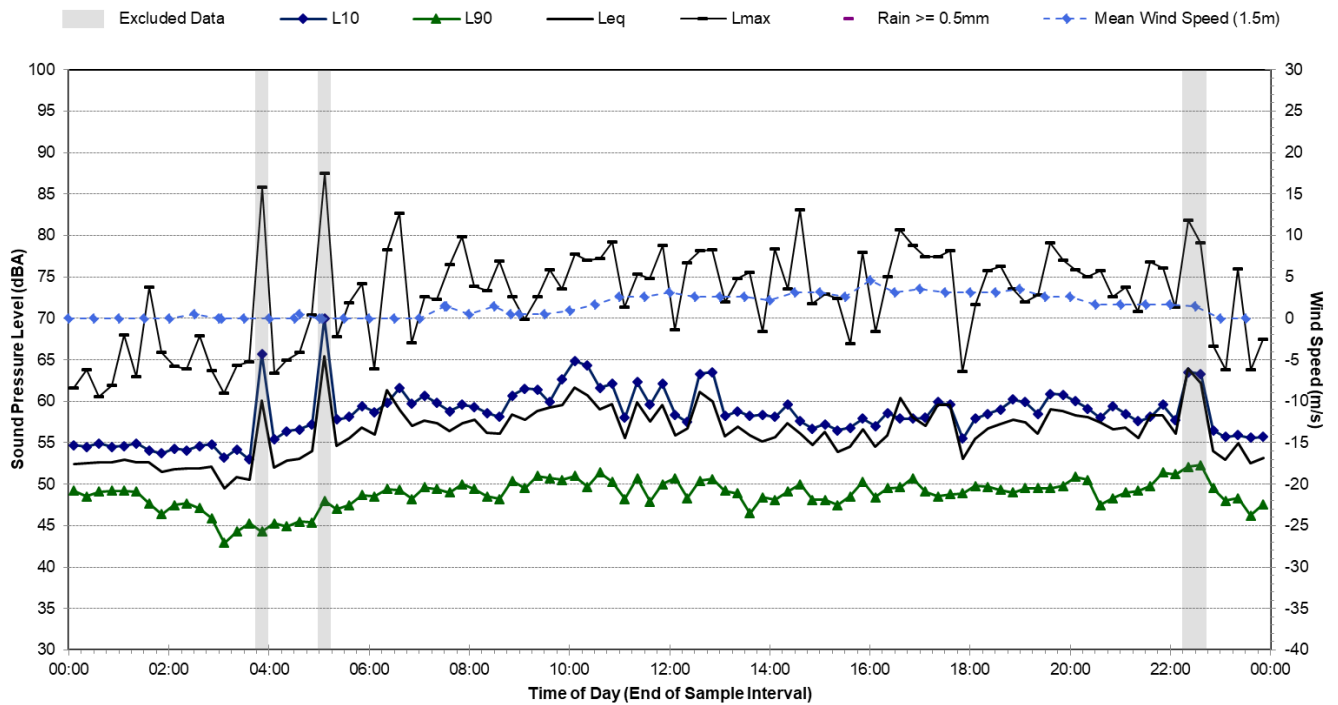
Statistical Ambient Noise Levels

8 Esher St, Burwood - Wednesday, 27 February 2019



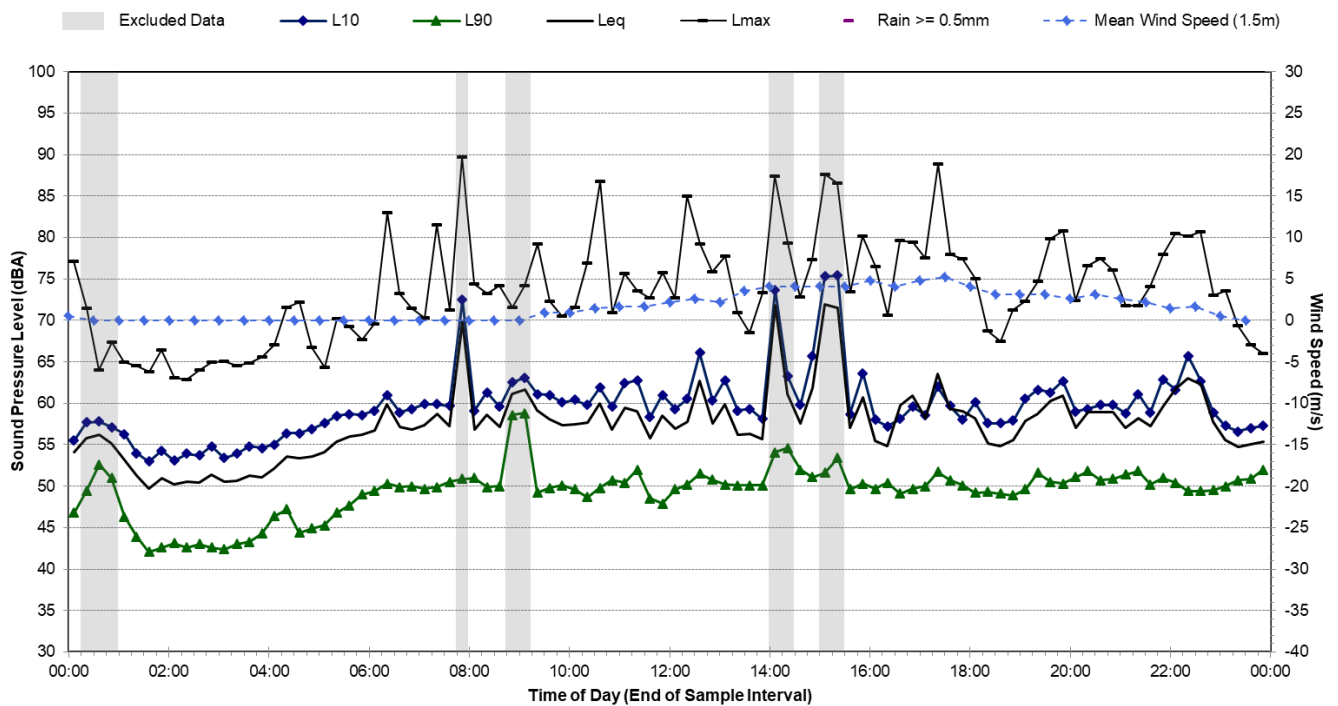
Statistical Ambient Noise Levels

8 Esher St, Burwood - Thursday, 28 February 2019



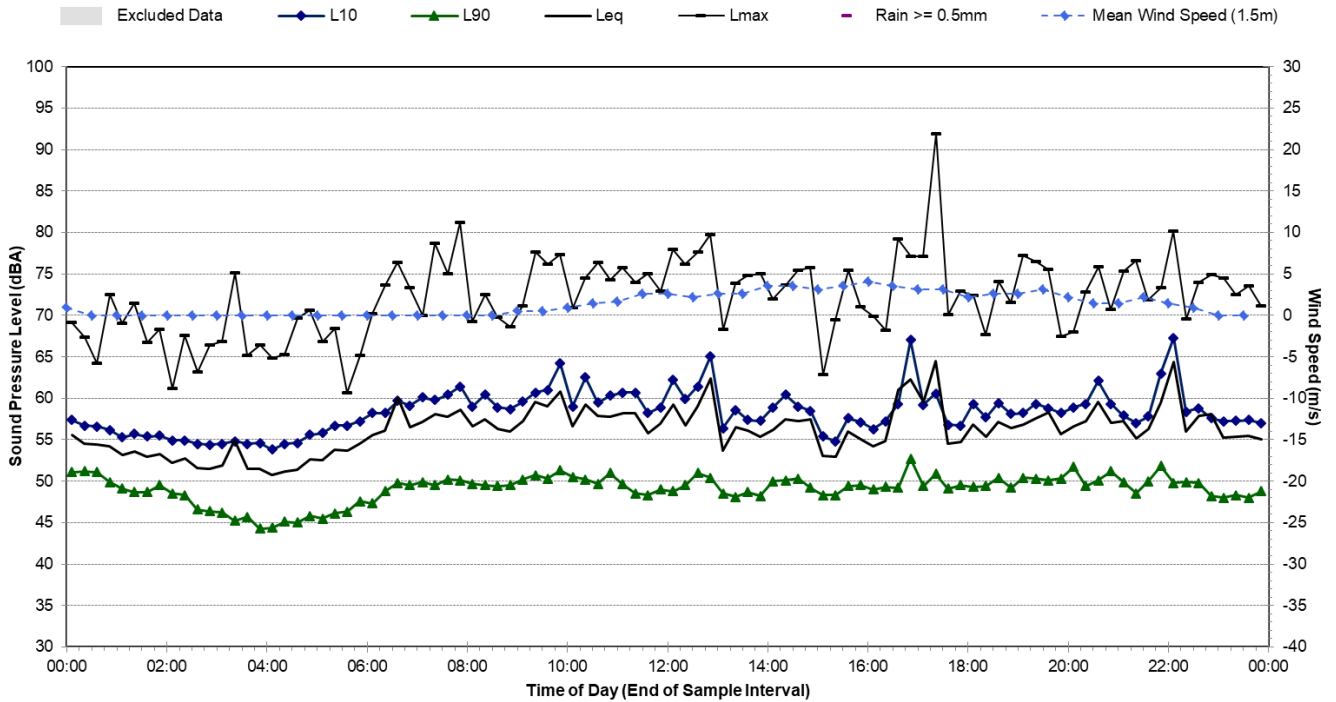
Statistical Ambient Noise Levels

8 Esher St, Burwood - Friday, 1 March 2019



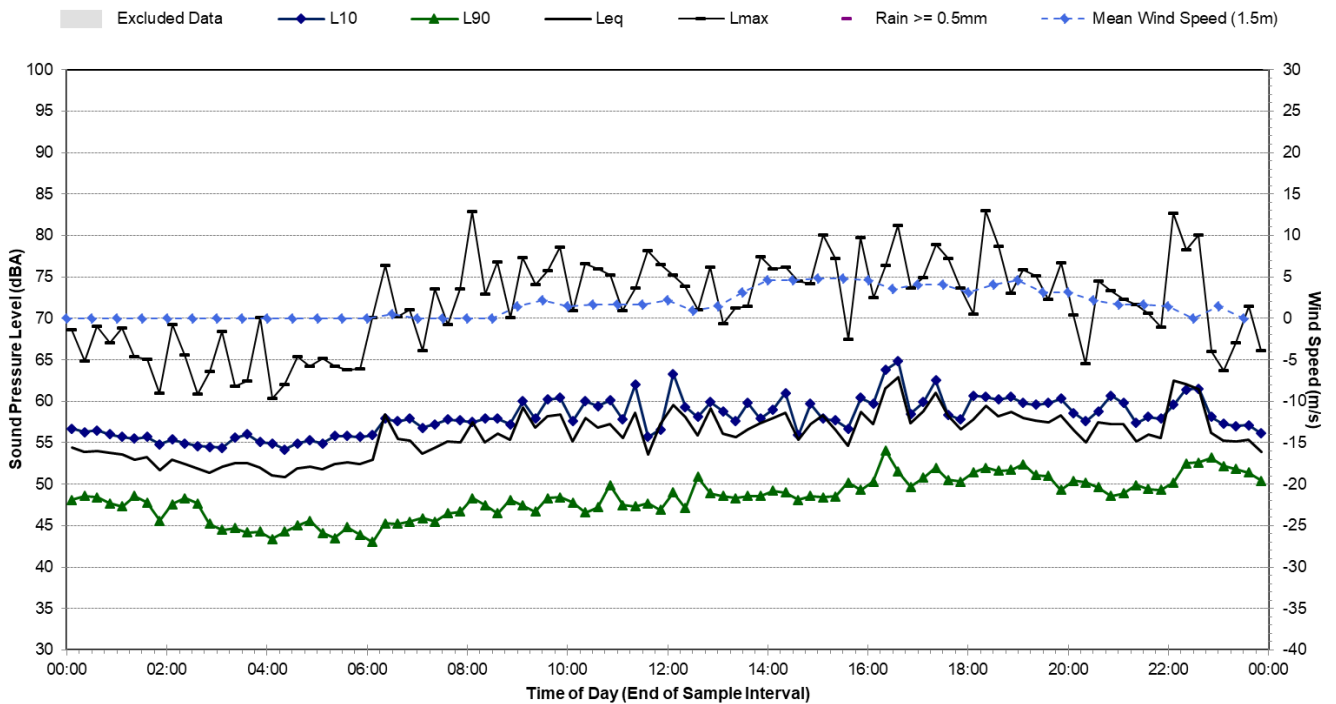
Statistical Ambient Noise Levels

8 Esher St, Burwood - Saturday, 2 March 2019



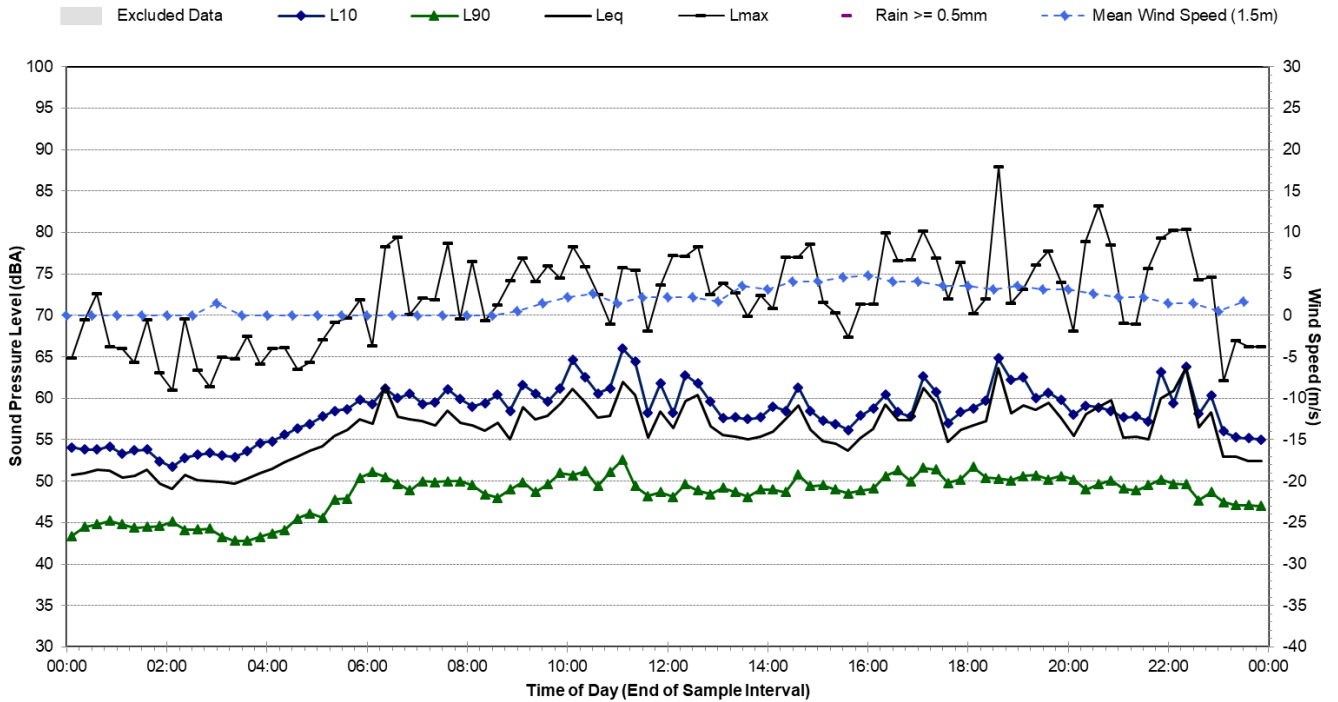
Statistical Ambient Noise Levels

8 Esher St, Burwood - Sunday, 3 March 2019



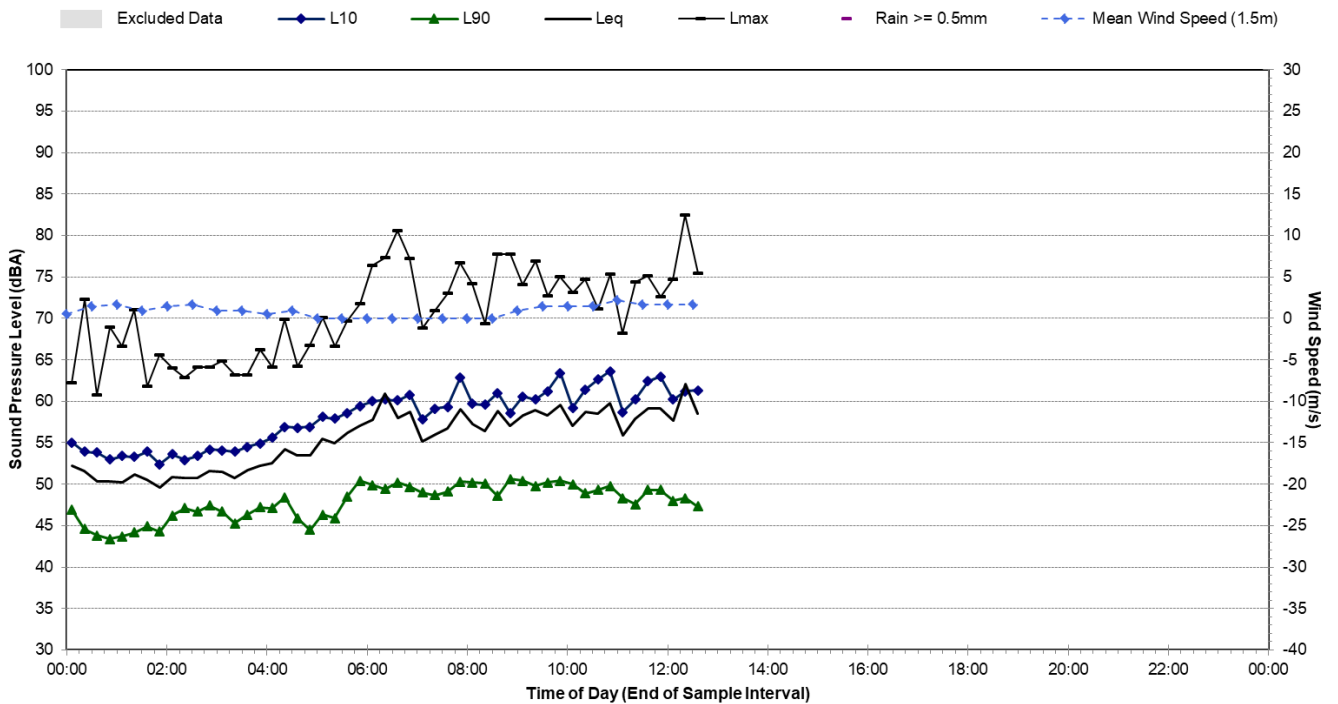
Statistical Ambient Noise Levels




8 Esher St, Burwood - Monday, 4 March 2019



Statistical Ambient Noise Levels

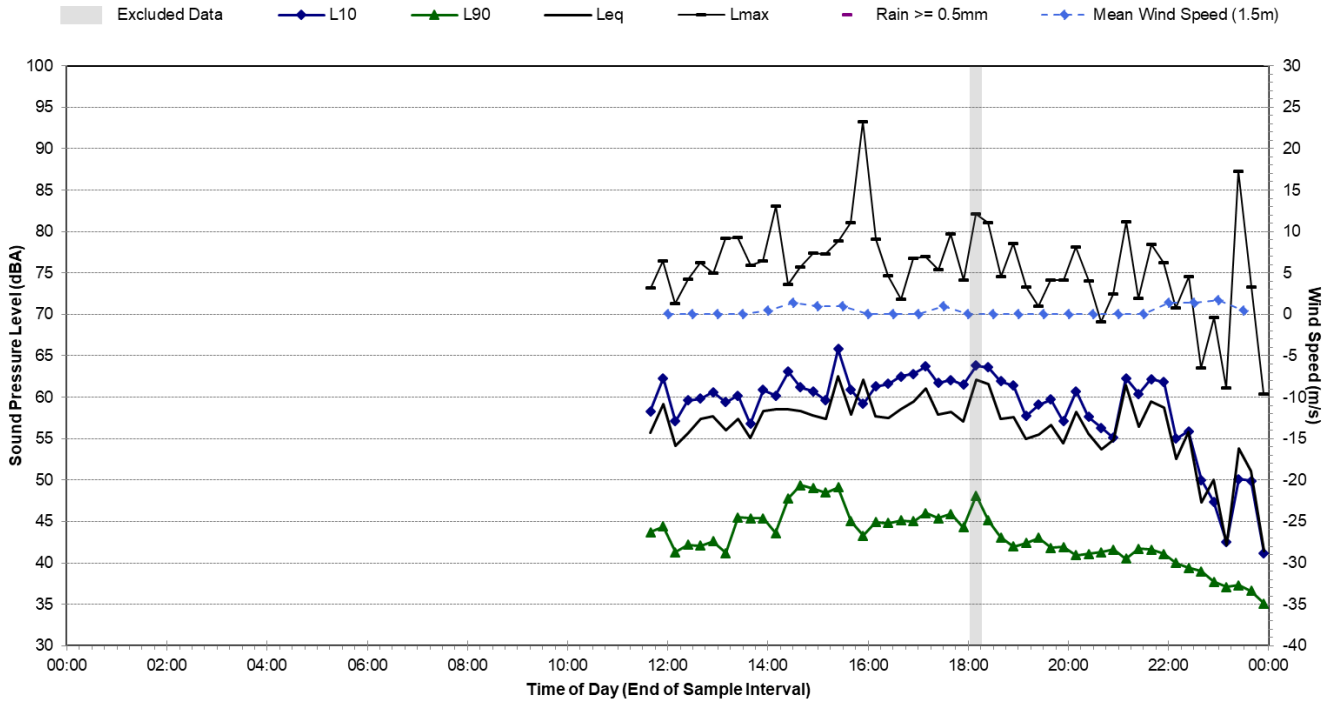
8 Esher St, Burwood - Tuesday, 5 March 2019



Noise Monitoring Location		B.14				Map of Noise Monitoring Location	
Noise Monitoring Address		3 Henry Street, Five Dock					
Logger Device Type: SVAN957, Logger Serial No: 23247 Sound Level Meter Device Type: Brüel and Kjær 2260, Sound Level Meter Serial No: 2487418							
Ambient noise logger located at 3 Henry Street, Five Dock. Logger located with view of Henry Street to the north, and East Street and Great North Road to the east.							
Attended noise measurements indicate the ambient noise environment at this location is dominated by road traffic noise from Henry Street to the north, and East Street and Great North Road to the east. Aircraft noise also contributes to the measured levels.							
Measured noise levels (L _{Amax}): 12/06/2019: Light-vehicle traffic Henry Street: 55-76 dBA, Light-vehicle traffic East Street: 52-59 dBA, Heavy-vehicle traffic Great North Road: 55 dBA, Birds: 50-67 dBA, Aircraft: 60-78 dBA							
Ambient Noise Logging Results ICNG Defined Time Periods							
Monitoring Period (12/06/2019 – 29/06/2019)		Noise Level (dBA)					
	RBL	LAeq	L10	L1			
Daytime	42	58	60	68			
Evening	41	56	57	67			
Night-time	33	51	44	57			
Ambient Noise Logging Results RNP Defined Time Periods							
Monitoring Period (12/06/2019 – 29/06/2019)		Noise Level (dBA)					
	LAeq(period)		LAeq(1hour)				
Daytime (7am-10pm)	58		61				
Night-time (10pm-7am)	52		60				
Attended Noise Measurement Results							
Date	Start Time	Measured Noise Level (dBA)					
		LA90	LAeq	L _{Amax}			
12/06/2019	10:26	47	61	78			

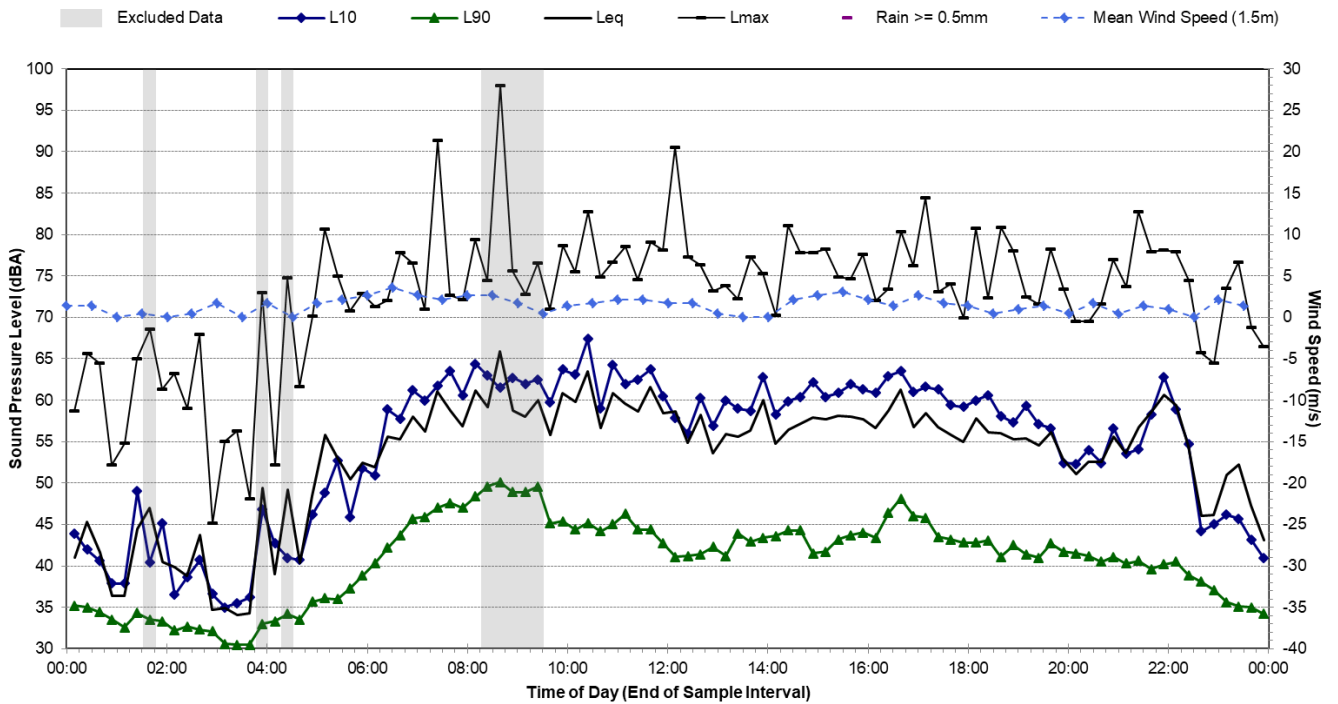
Statistical Ambient Noise Levels

3 Henry St, Five Dock - Wednesday, 12 June 2019



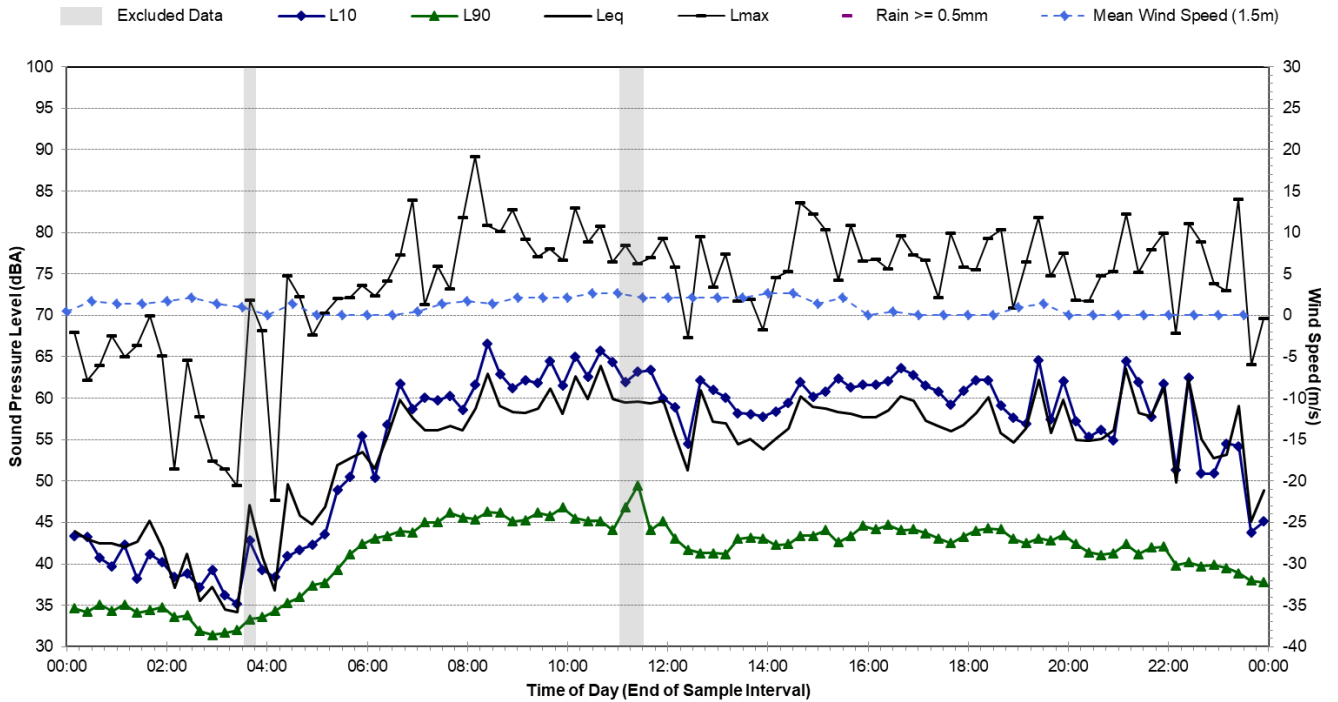
Statistical Ambient Noise Levels

3 Henry St, Five Dock - Thursday, 13 June 2019



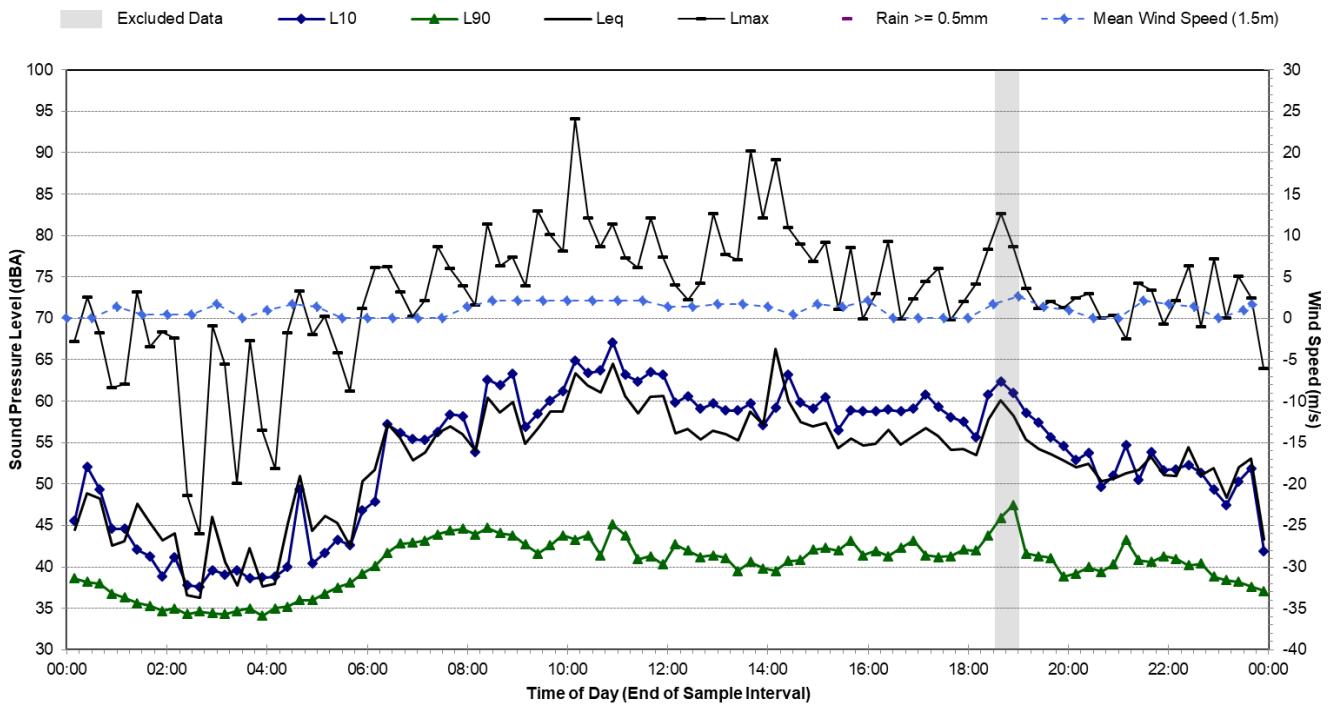
Statistical Ambient Noise Levels

3 Henry St, Five Dock - Friday, 14 June 2019



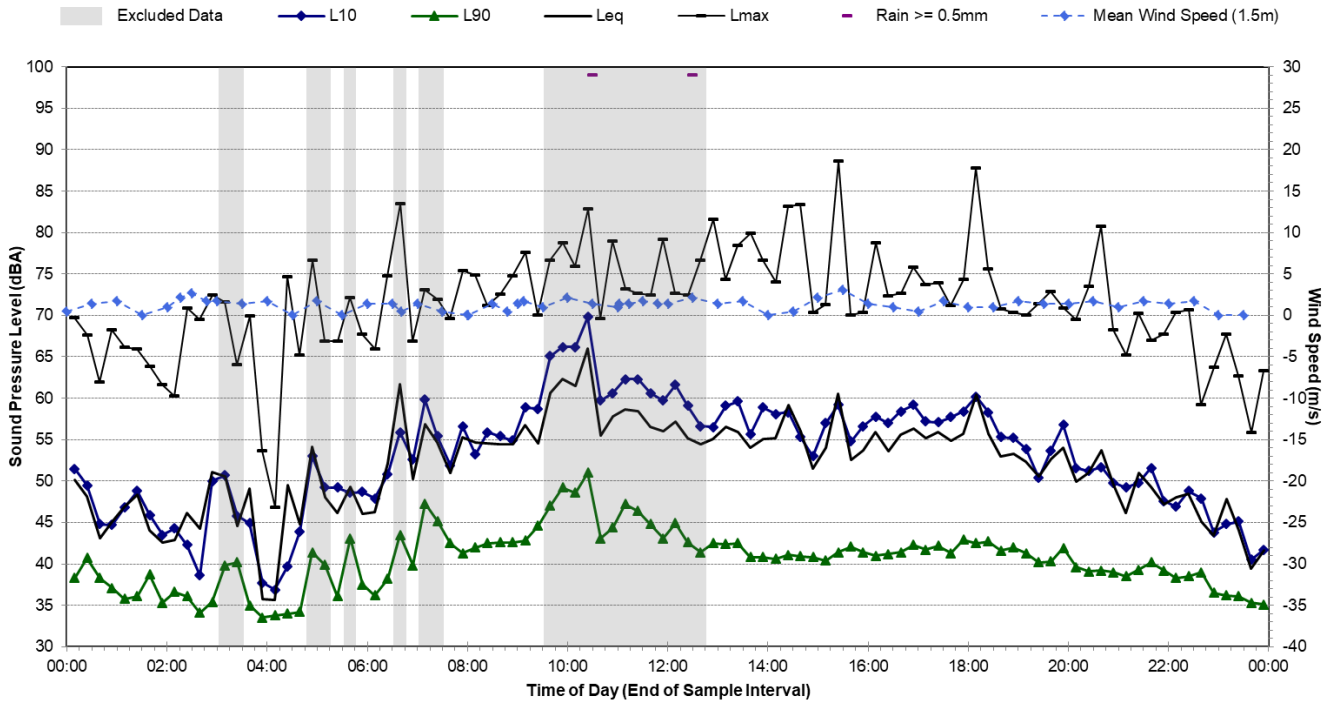
Statistical Ambient Noise Levels

3 Henry St, Five Dock - Saturday, 15 June 2019



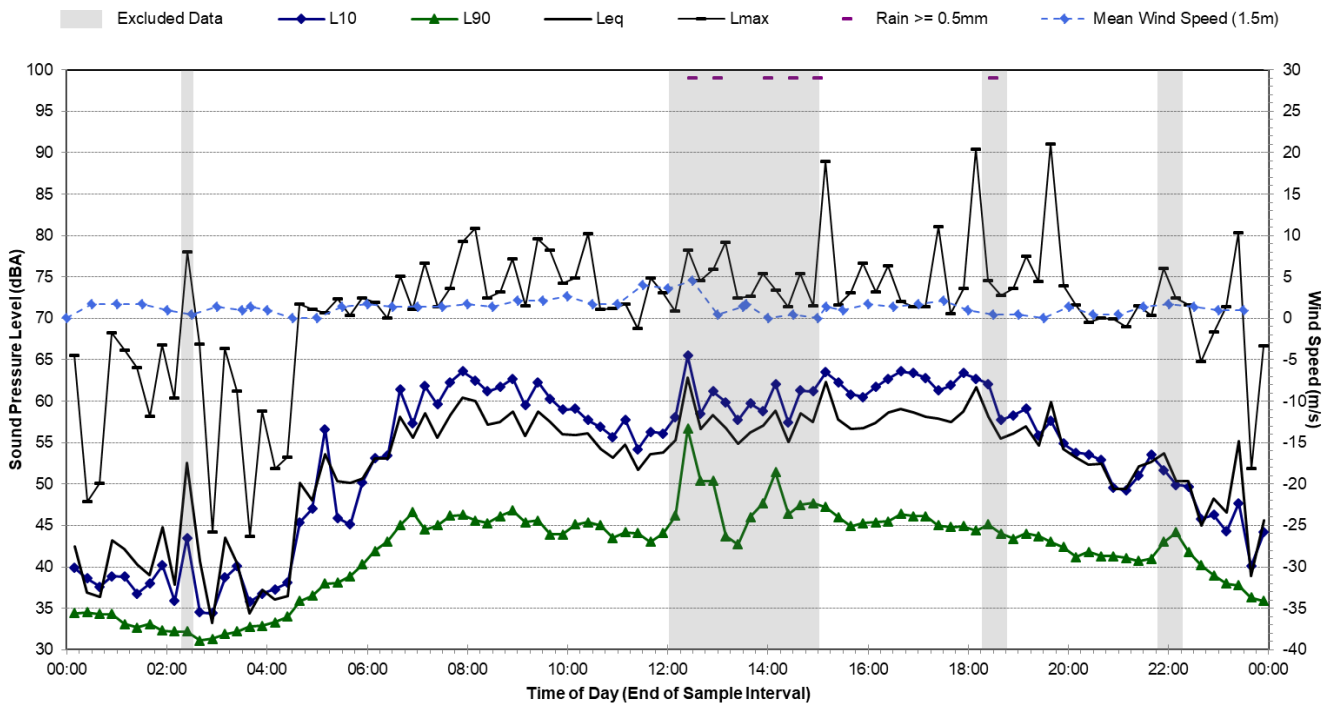
Statistical Ambient Noise Levels

3 Henry St, Five Dock - Sunday, 16 June 2019



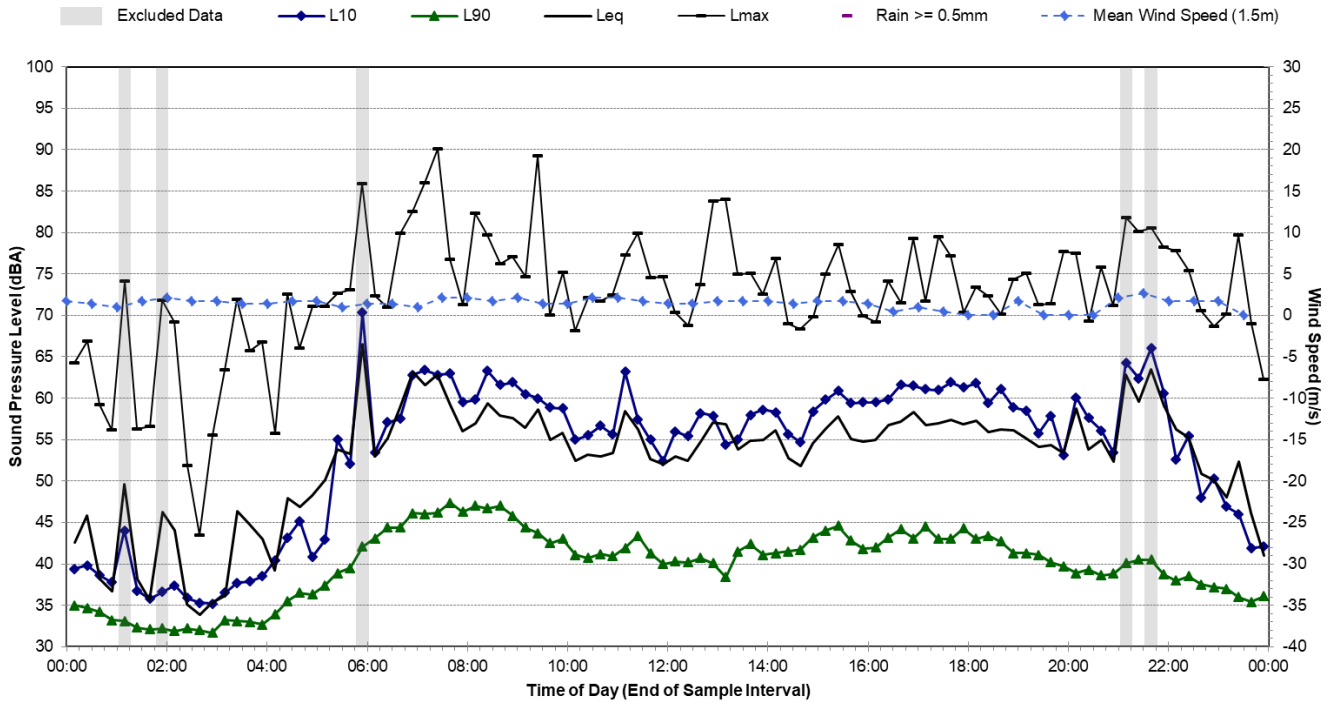
Statistical Ambient Noise Levels

3 Henry St, Five Dock - Monday, 17 June 2019



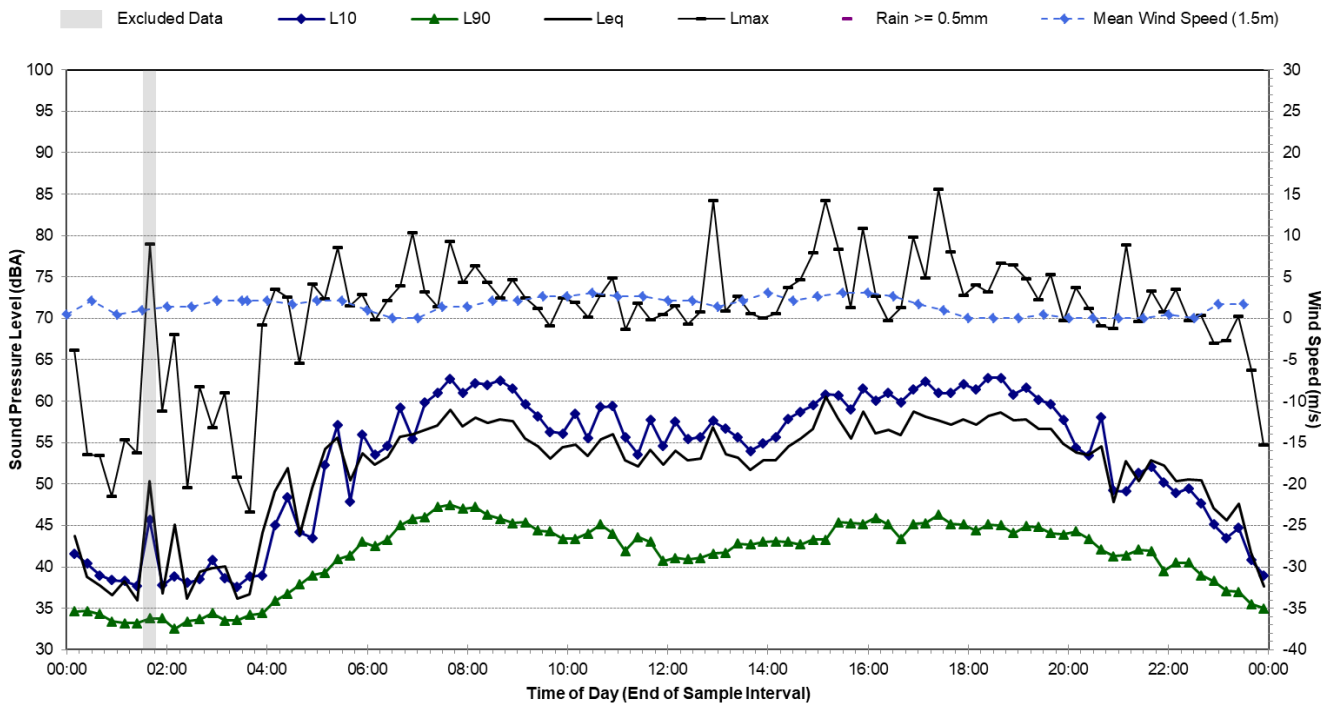
Statistical Ambient Noise Levels

3 Henry St, Five Dock - Tuesday, 18 June 2019



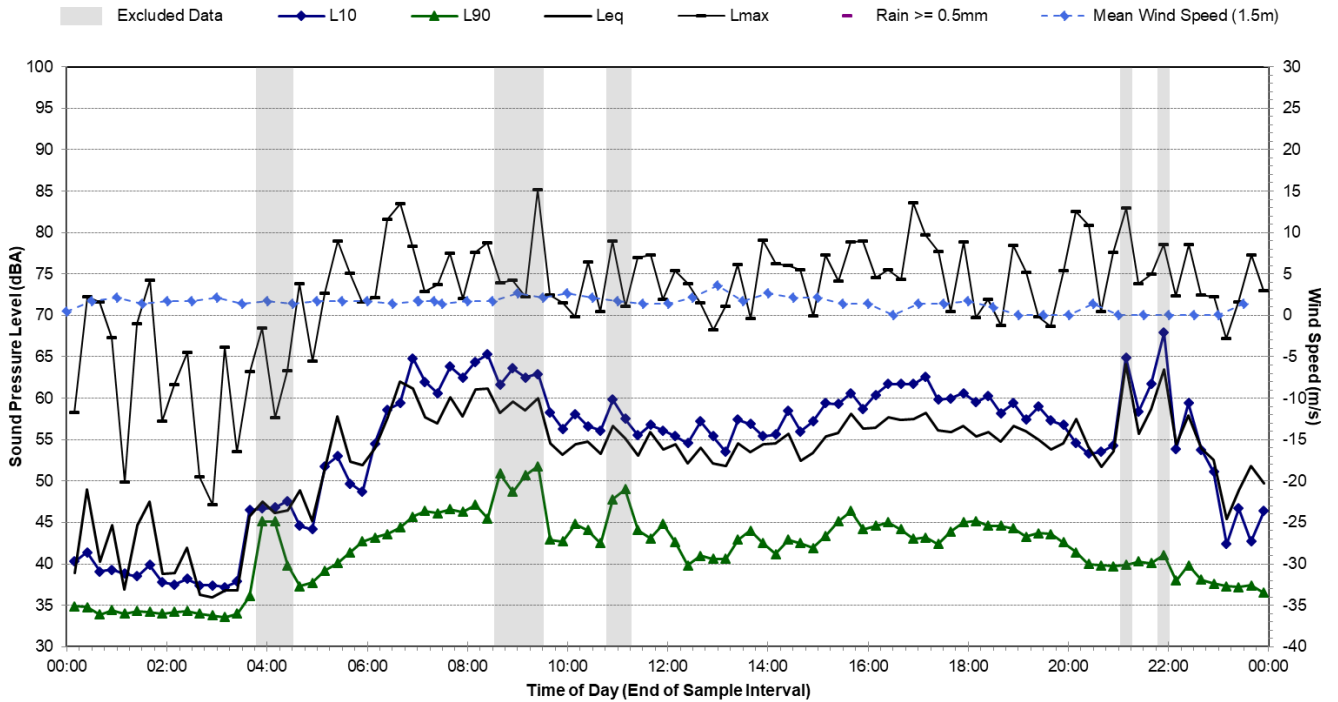
Statistical Ambient Noise Levels

3 Henry St, Five Dock - Wednesday, 19 June 2019



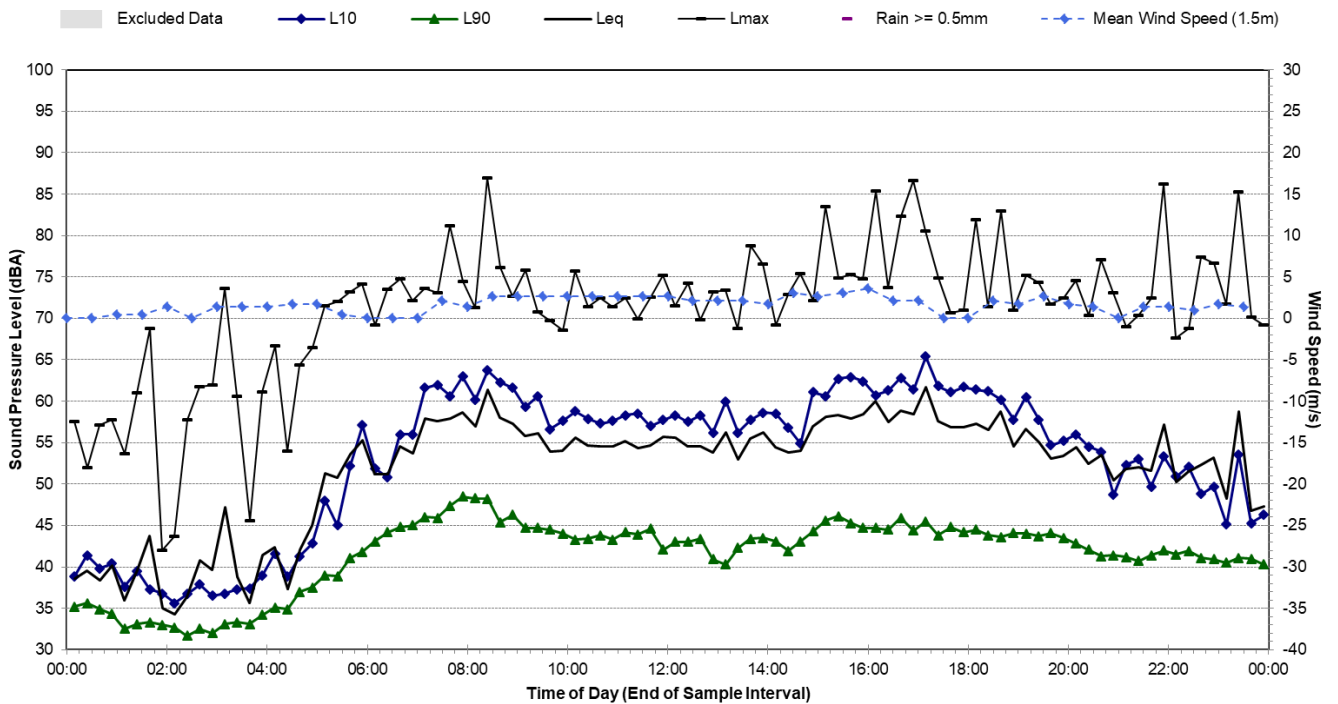
Statistical Ambient Noise Levels

3 Henry St, Five Dock - Thursday, 20 June 2019



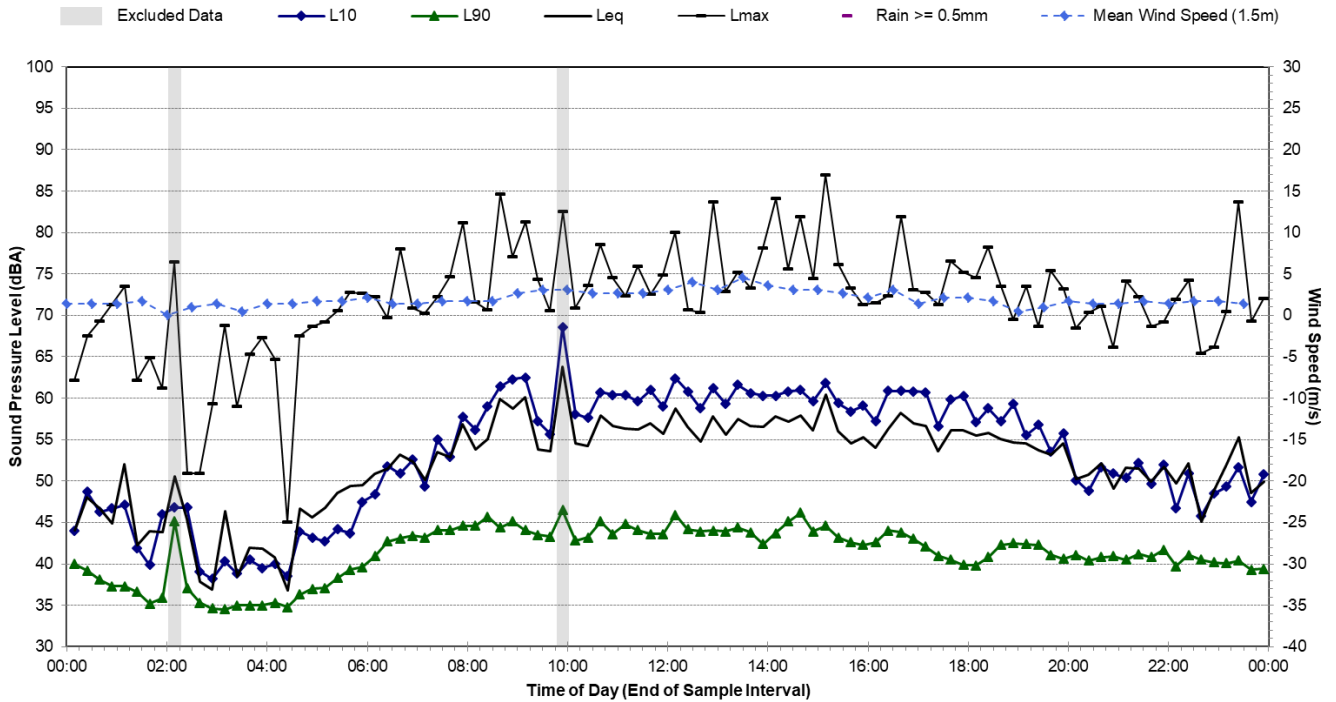
Statistical Ambient Noise Levels

3 Henry St, Five Dock - Friday, 21 June 2019



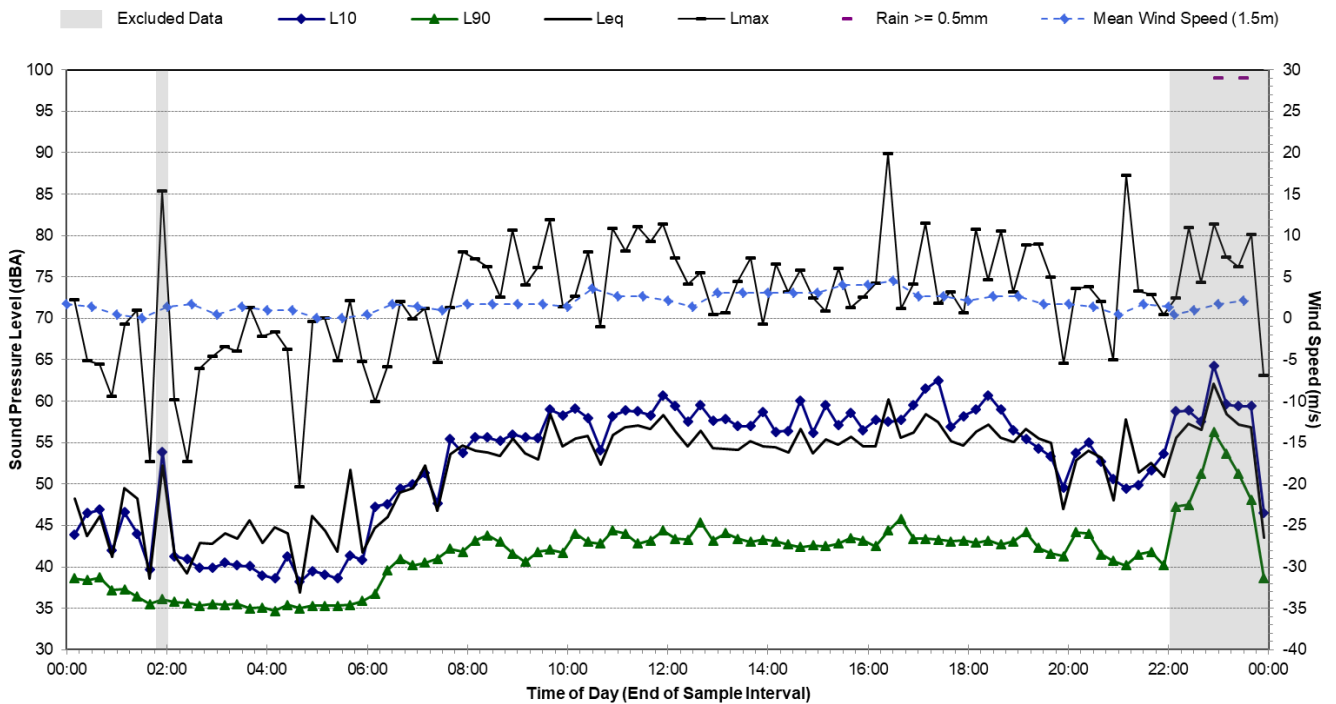
Statistical Ambient Noise Levels

3 Henry St, Five Dock - Saturday, 22 June 2019



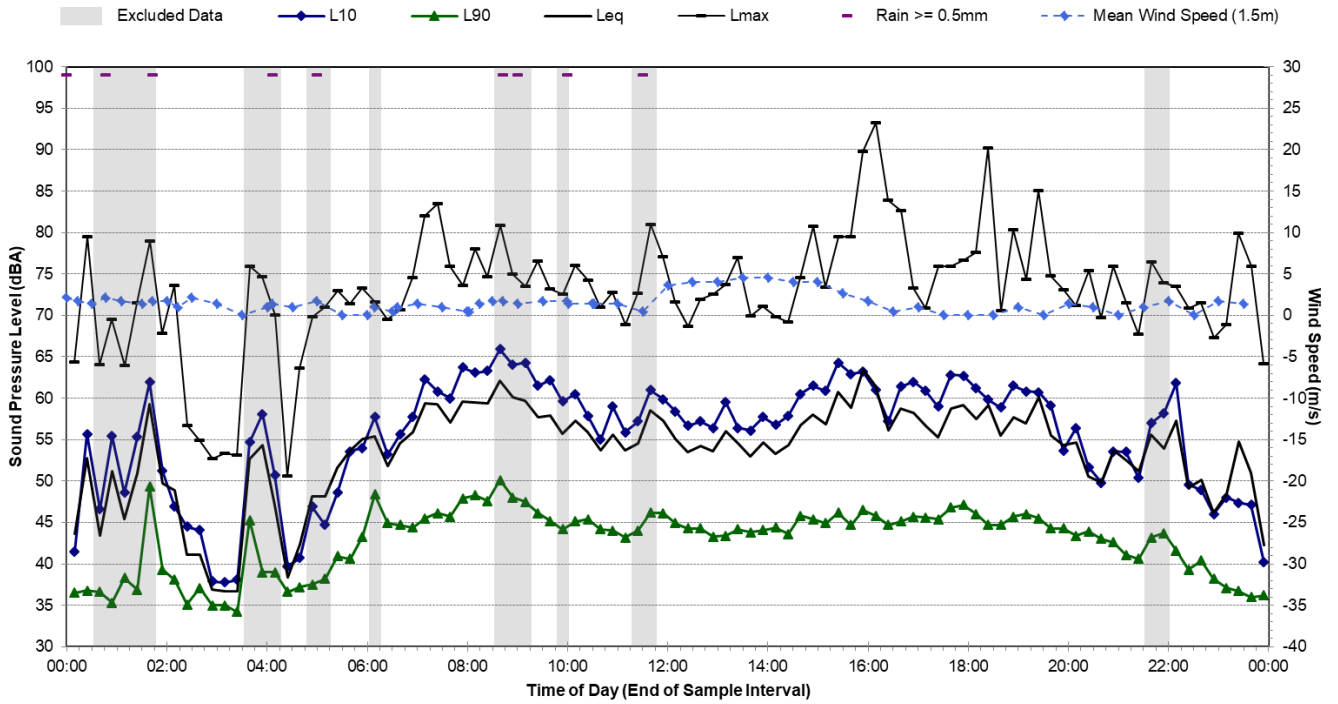
Statistical Ambient Noise Levels

3 Henry St, Five Dock - Sunday, 23 June 2019



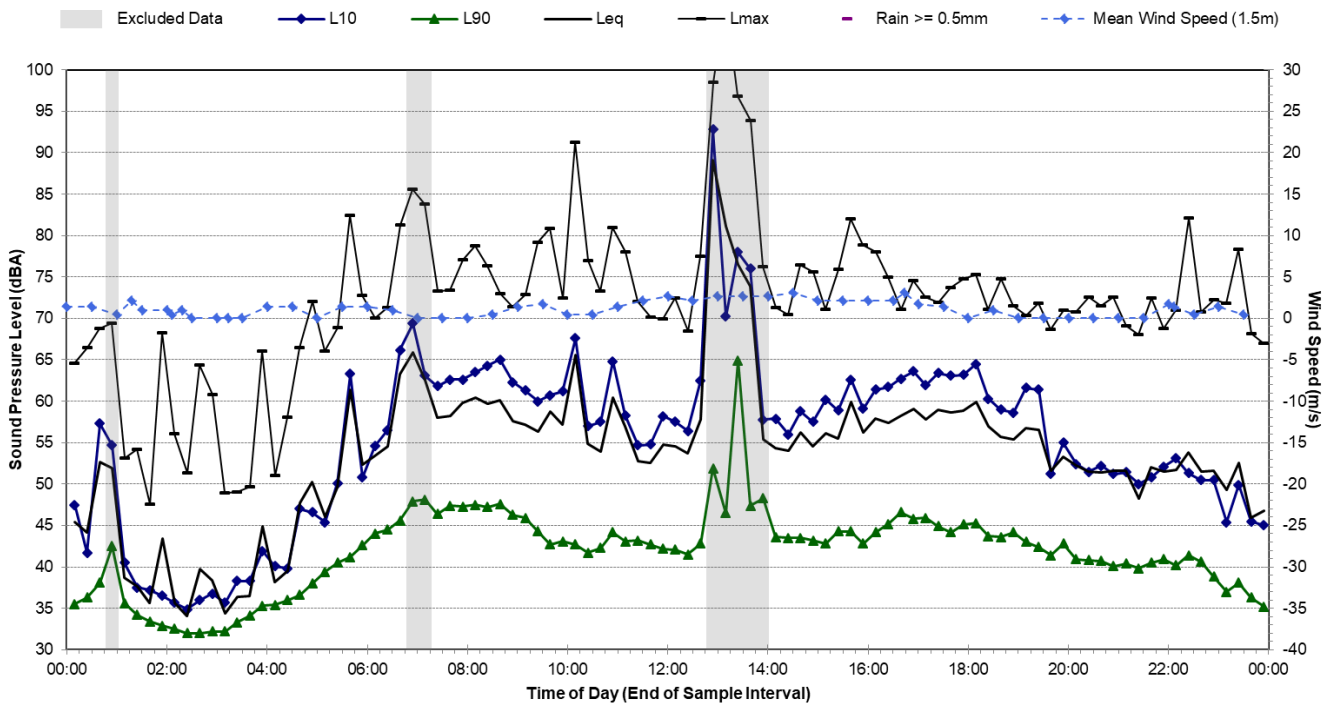
Statistical Ambient Noise Levels

3 Henry St, Five Dock - Monday, 24 June 2019



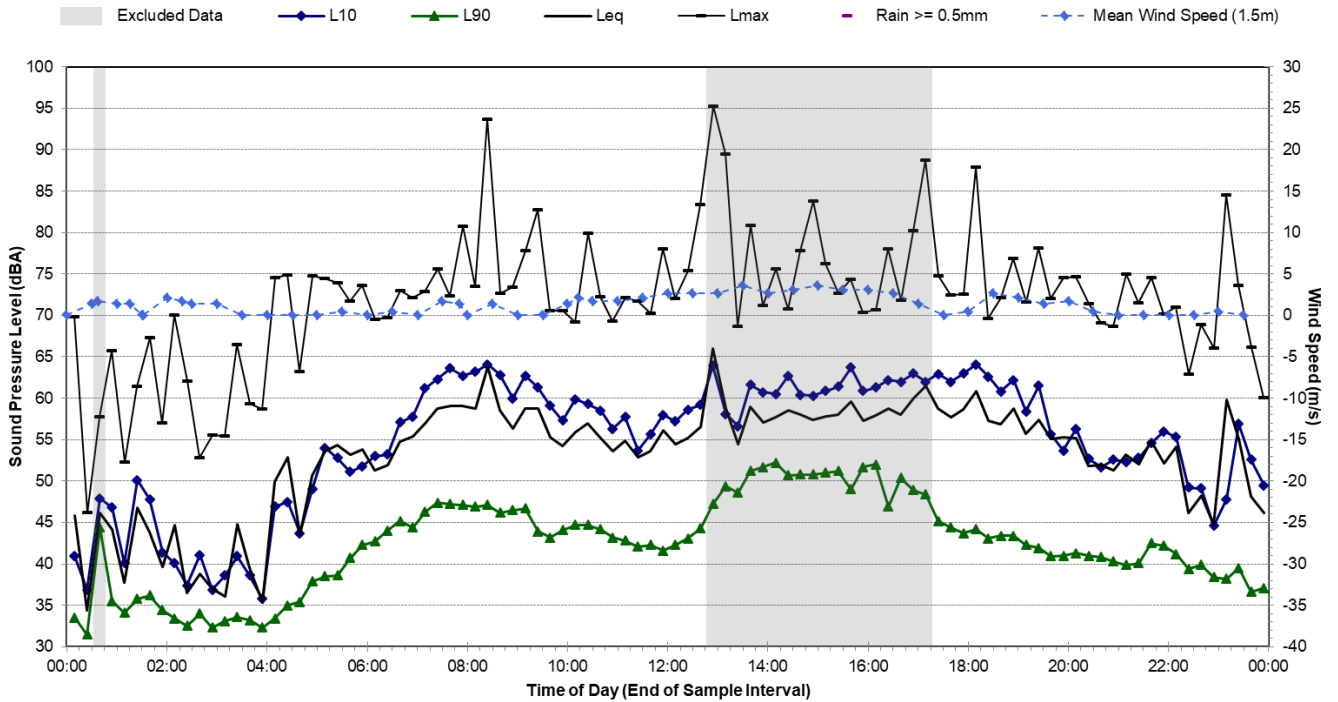
Statistical Ambient Noise Levels

3 Henry St, Five Dock - Tuesday, 25 June 2019



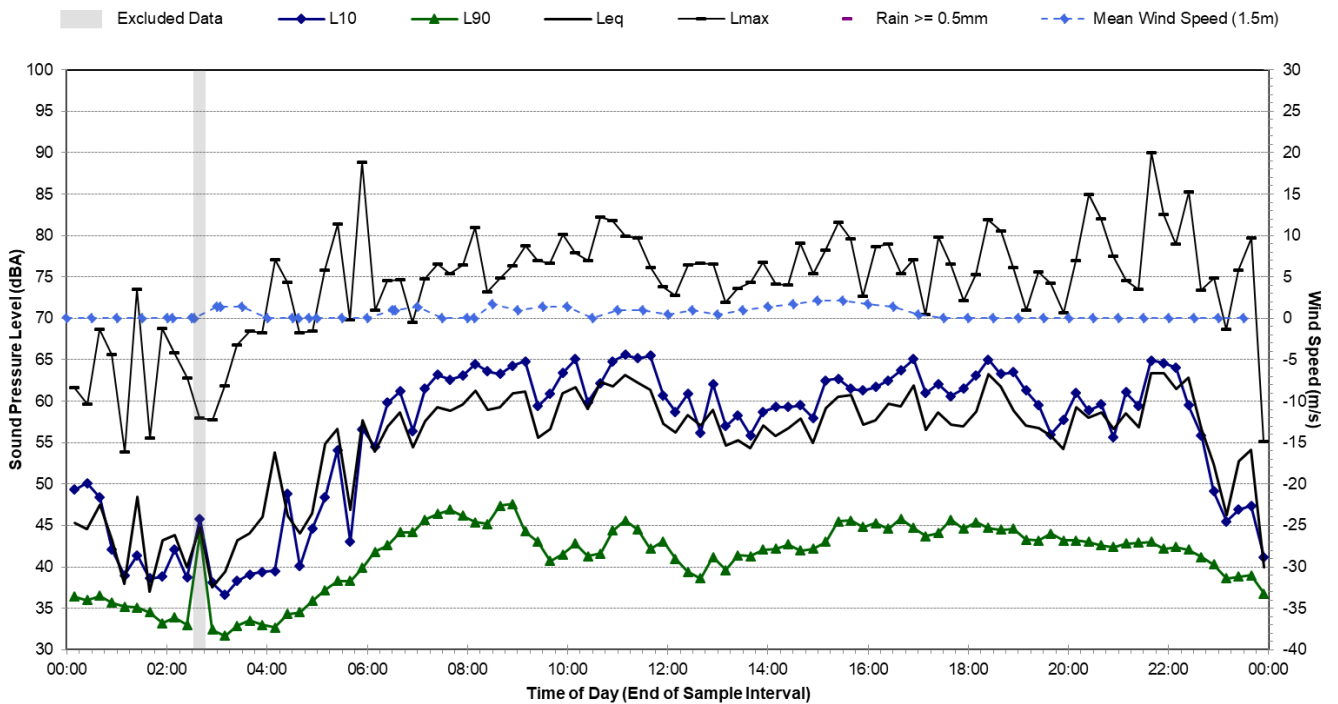
Statistical Ambient Noise Levels

3 Henry St, Five Dock - Wednesday, 26 June 2019



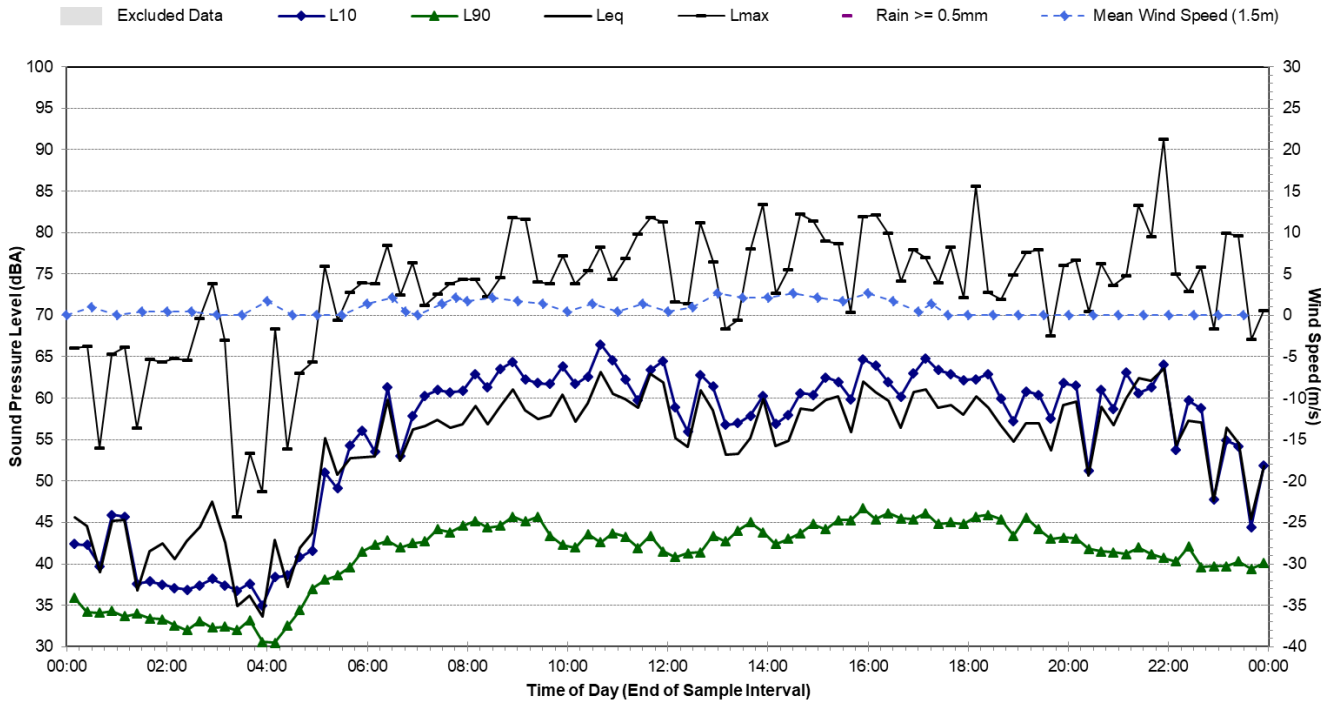
Statistical Ambient Noise Levels

3 Henry St, Five Dock - Thursday, 27 June 2019



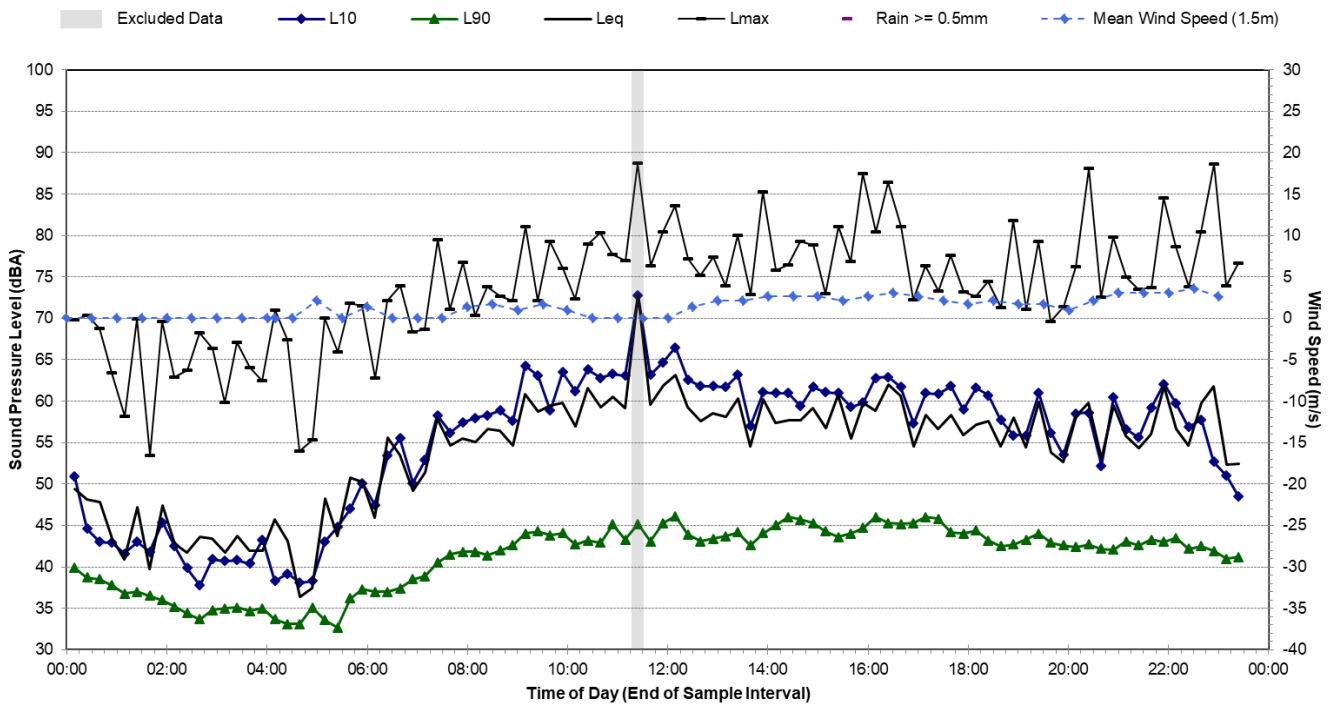
Statistical Ambient Noise Levels


3 Henry St, Five Dock - Friday, 28 June 2019



Statistical Ambient Noise Levels

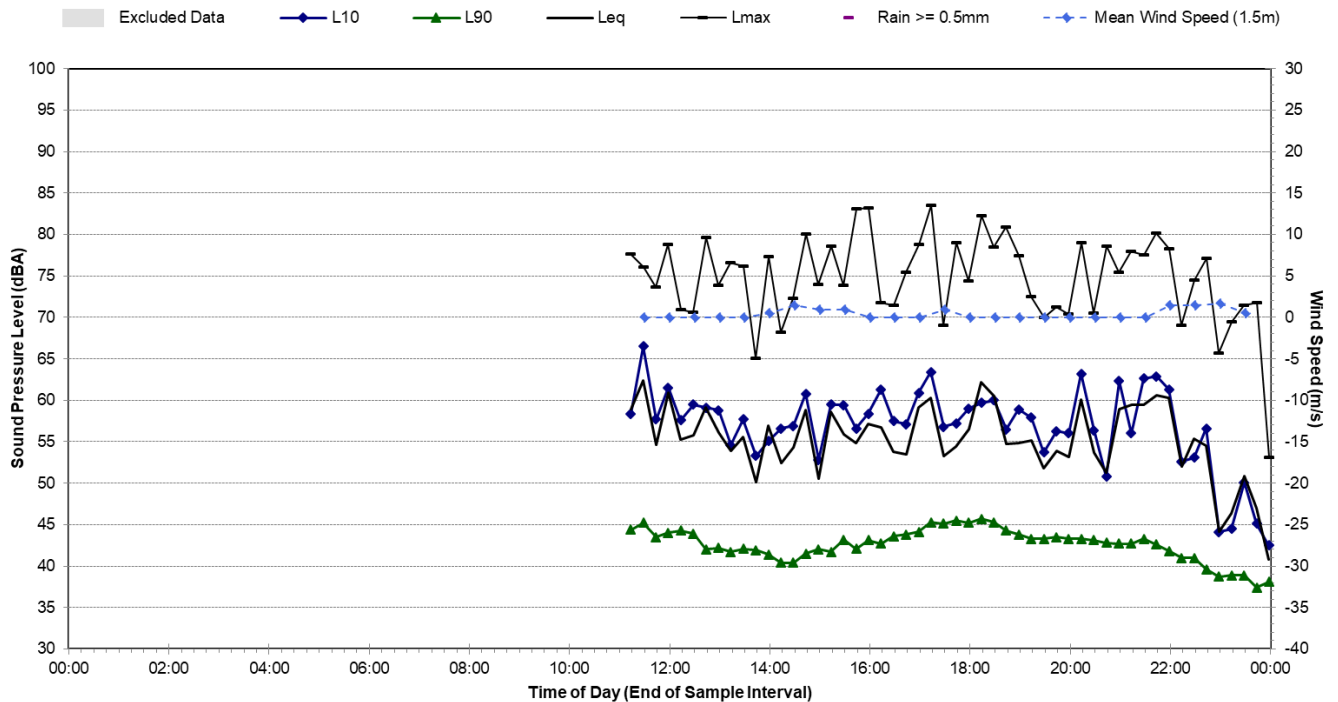
3 Henry St, Five Dock - Saturday, 29 June 2019



Noise Monitoring Location		B.15				Map of Noise Monitoring Location			
Noise Monitoring Address		8 Waterview Street, Five Dock							
Logger Device Type: SVAN957, Logger Serial No: 27522 Sound Level Meter Device Type: Brüel and Kjær 2260, Sound Level Meter Serial No: 2487418									
Ambient noise logger located at 8 Waterview Street, Five Dock. Logger located with view of Waterview Street to the west, and First Avenue to the south.									
Attended noise measurements indicate the ambient noise environment at this location is dominated by road traffic noise from Waterview Street and associated carpark to the west, First Avenue to the south and Great North Road to the west. Aircraft noise also contributes to the measured levels.									
Measured noise levels (LAmax): 12/06/2019: Light-vehicle traffic Waterview Street: 55-71 dBA, Light-vehicle traffic First Avenue: 51-54 dBA, Heavy-vehicle traffic First Avenue: 55-60 dBA, Heavy/Light-vehicle traffic Great North Road: 45-50 dBA Birds: 47-56 dBA, Aircraft: 55-77 dBA									
Ambient Noise Logging Results								ICNG Defined Time Periods	
Monitoring Period (12/06/2019 – 02/07/2019)		Noise Level (dBA)							
		RBL	LAeq	L10	L1				
Daytime		43	57	57	66				
Evening		44	56	55	65				
Night-time		38	50	46	55				
Ambient Noise Logging Results						RNP Defined Time Periods			
Monitoring Period (12/06/2019 – 02/07/2019)		Noise Level (dBA)							
		LAeq(period)		LAeq(1hour)					
Daytime (7am-10pm)		57		61					
Night-time (10pm-7am)		50		57					
Attended Noise Measurement Results									
Date		Start Time		Measured Noise Level (dBA)					
				LA90	LAeq	LAmax			
12/06/2019		09:47		46	59	76			

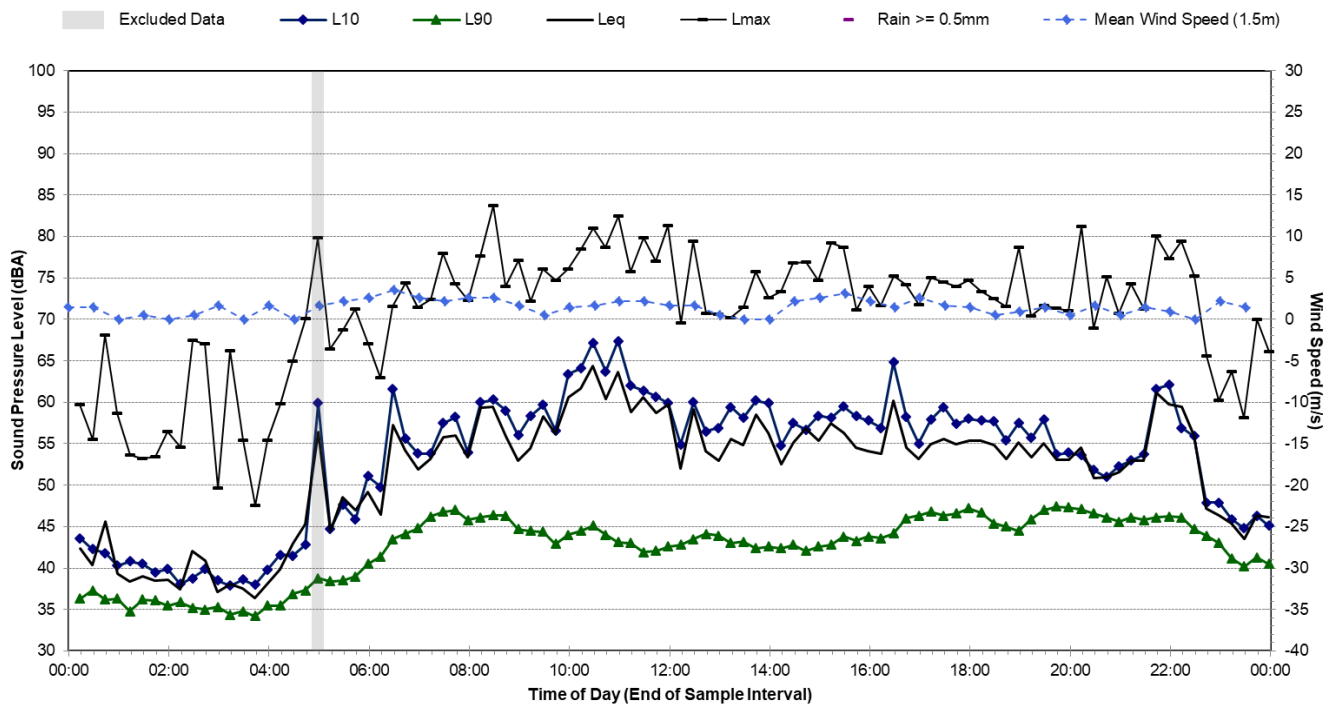
Statistical Ambient Noise Levels

8 Waterview St, Five Dock - Wednesday, 12 June 2019



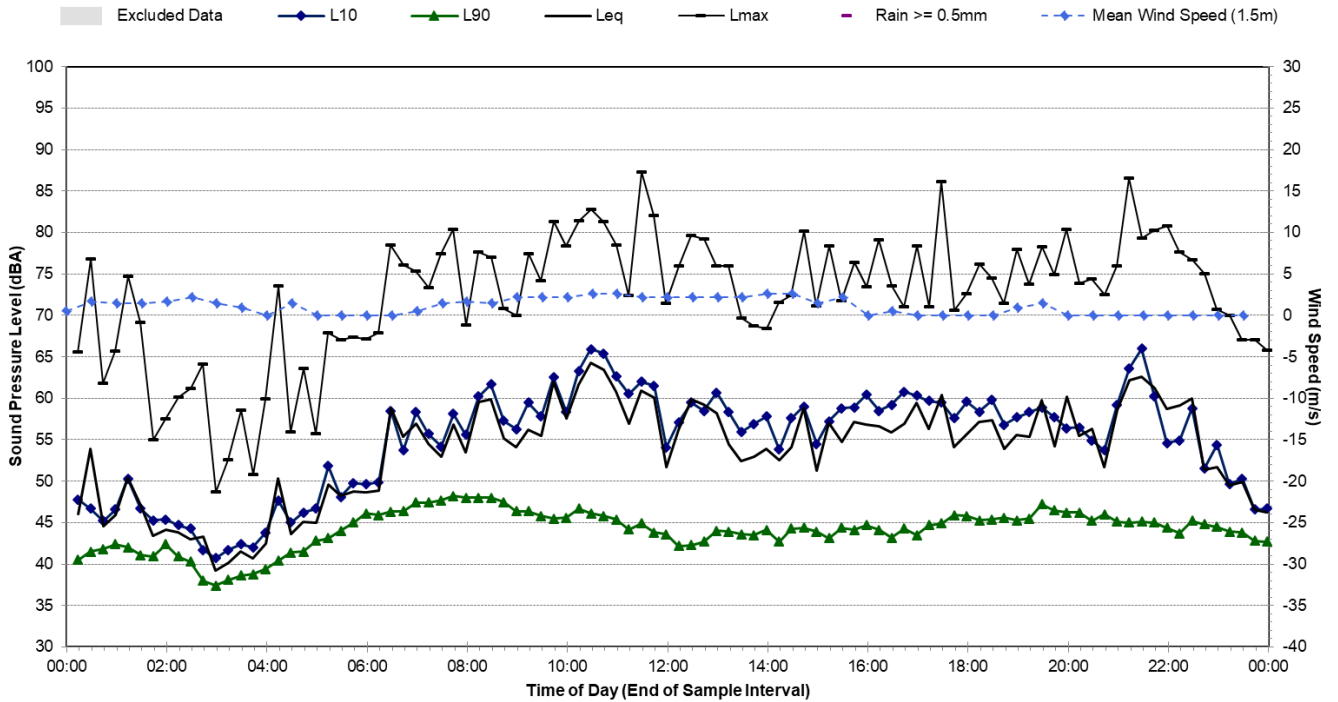
Statistical Ambient Noise Levels

8 Waterview St, Five Dock - Thursday, 13 June 2019



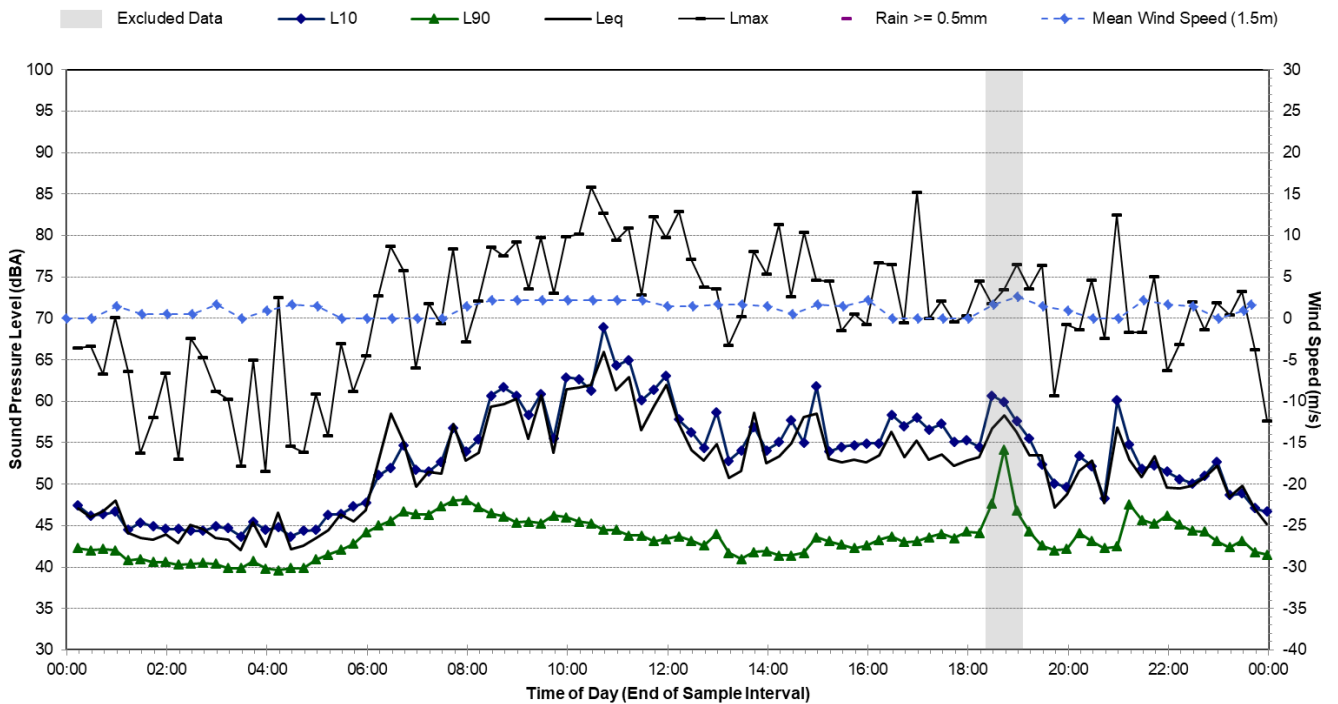
Statistical Ambient Noise Levels

8 Waterview St, Five Dock - Friday, 14 June 2019



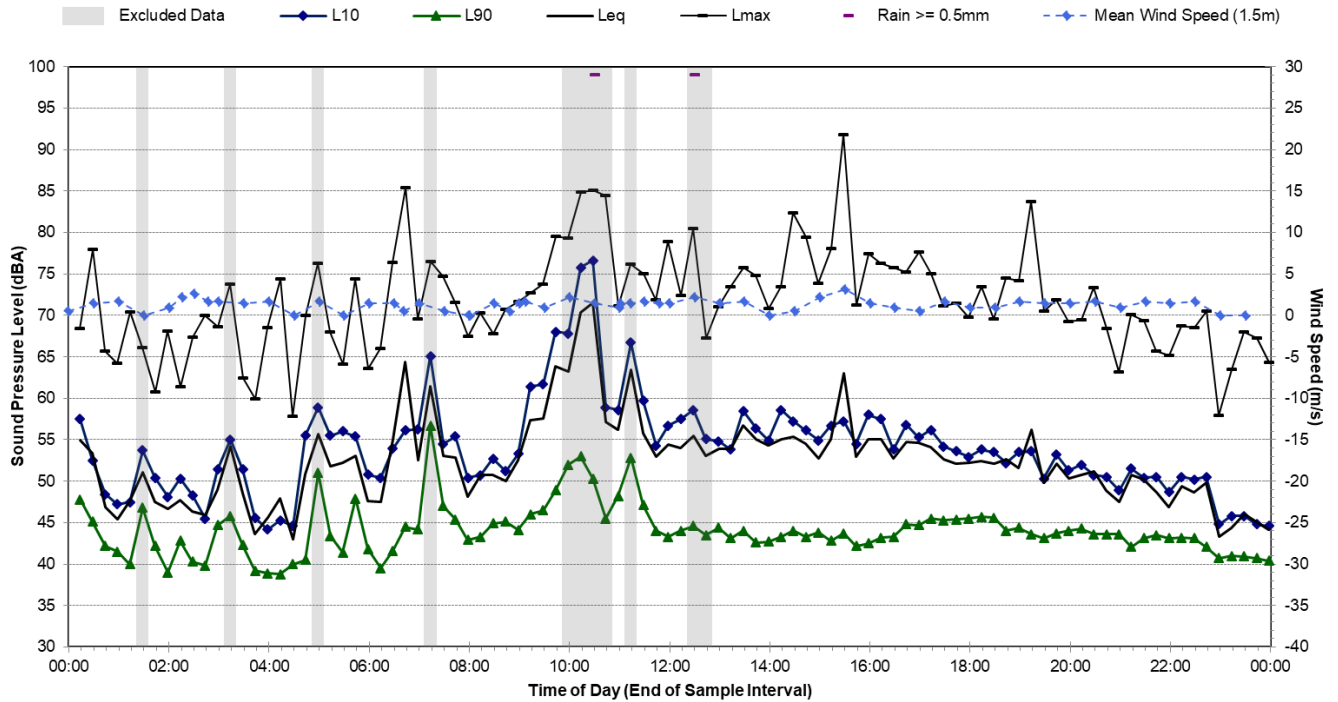
Statistical Ambient Noise Levels

8 Waterview St, Five Dock - Saturday, 15 June 2019



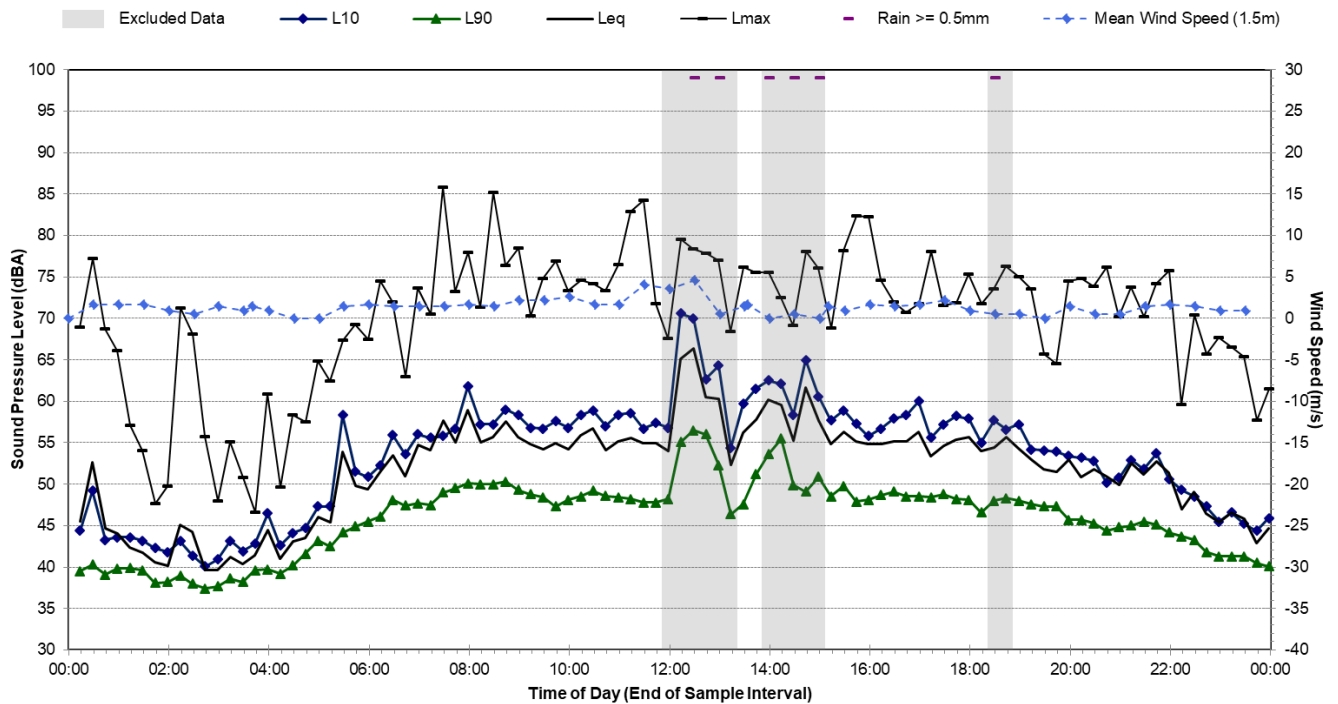
Statistical Ambient Noise Levels

8 Waterview St, Five Dock - Sunday, 16 June 2019



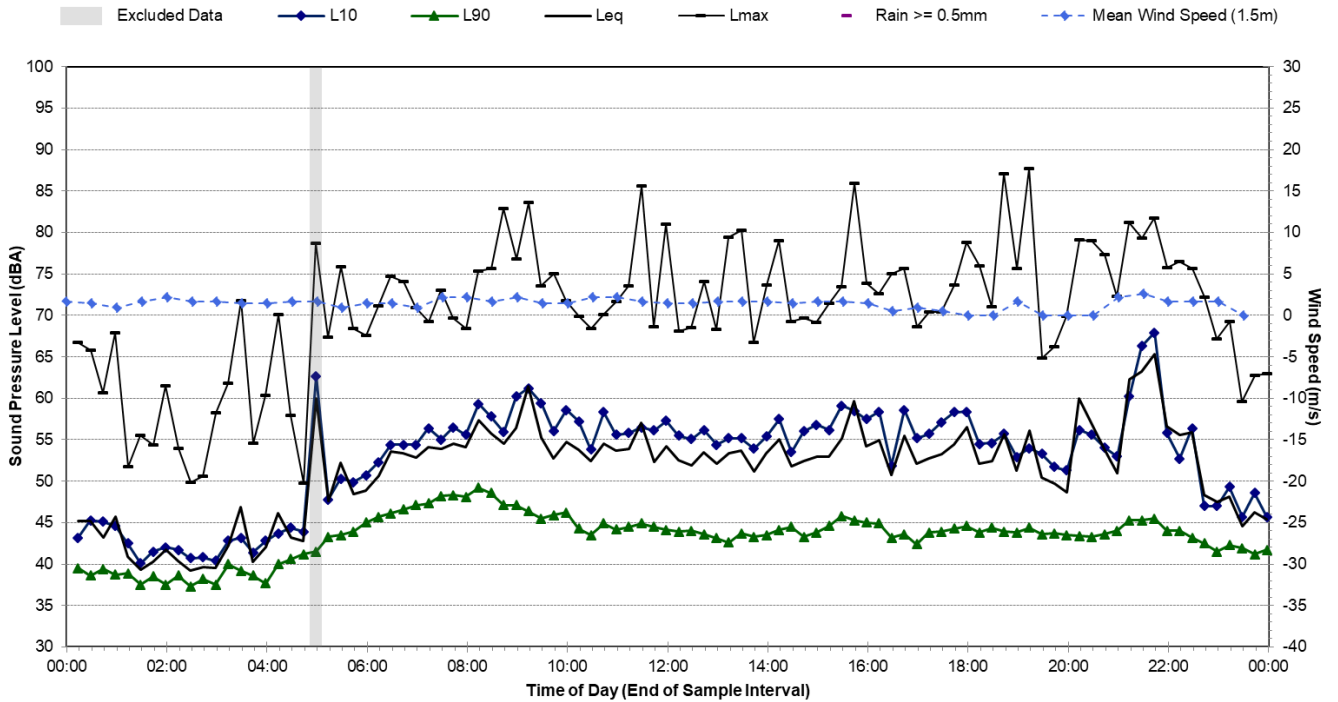
Statistical Ambient Noise Levels

8 Waterview St, Five Dock - Monday, 17 June 2019



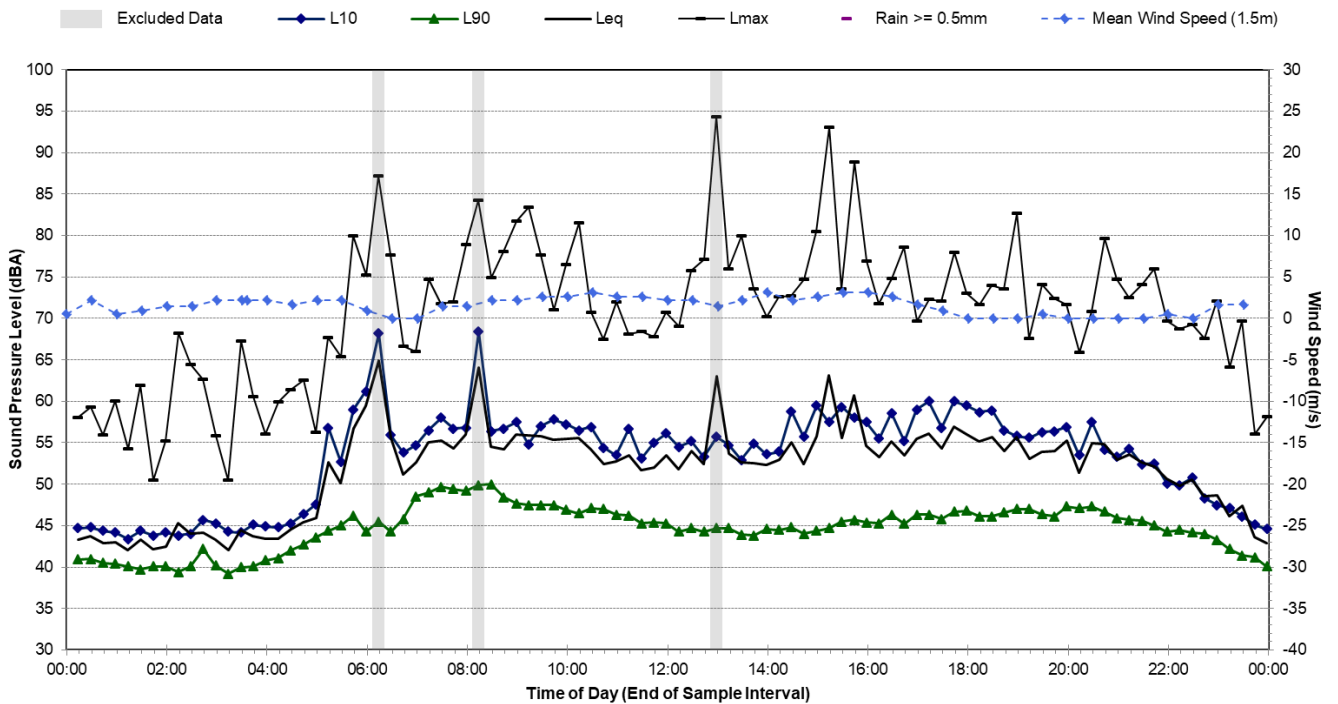
Statistical Ambient Noise Levels

8 Waterview St, Five Dock - Tuesday, 18 June 2019



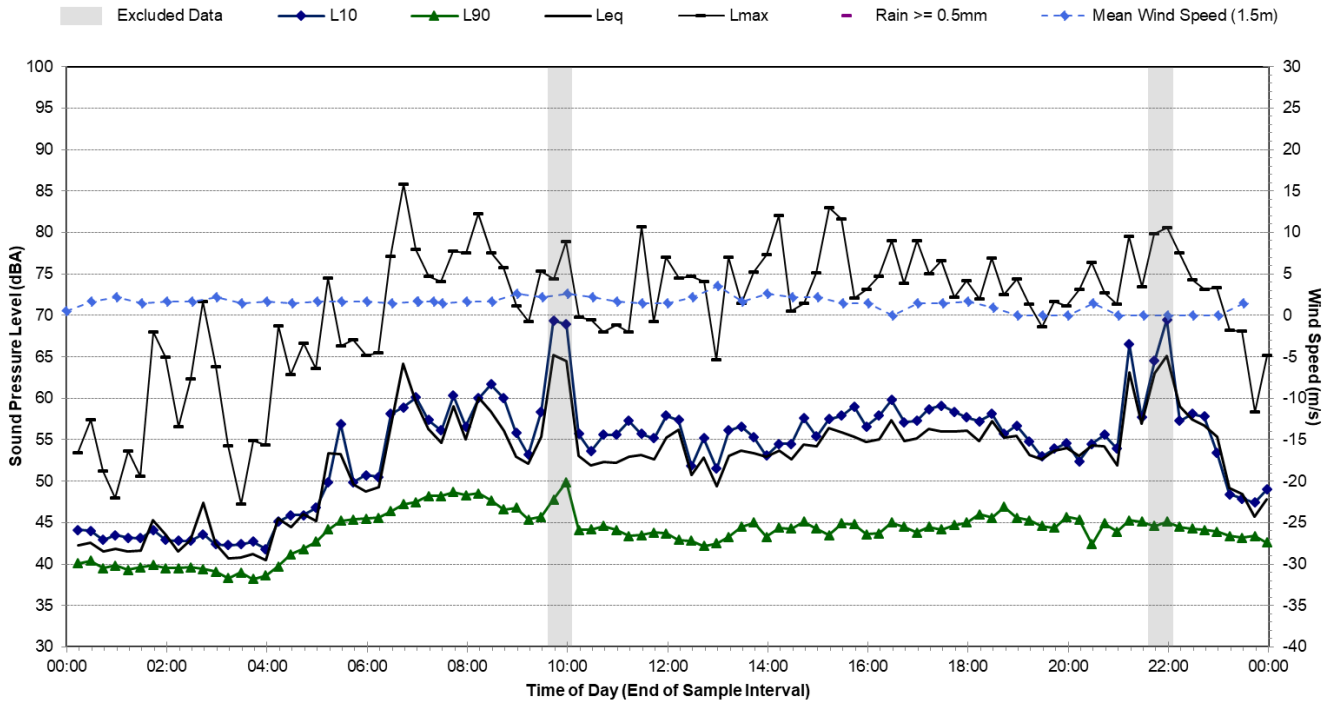
Statistical Ambient Noise Levels

8 Waterview St, Five Dock - Wednesday, 19 June 2019



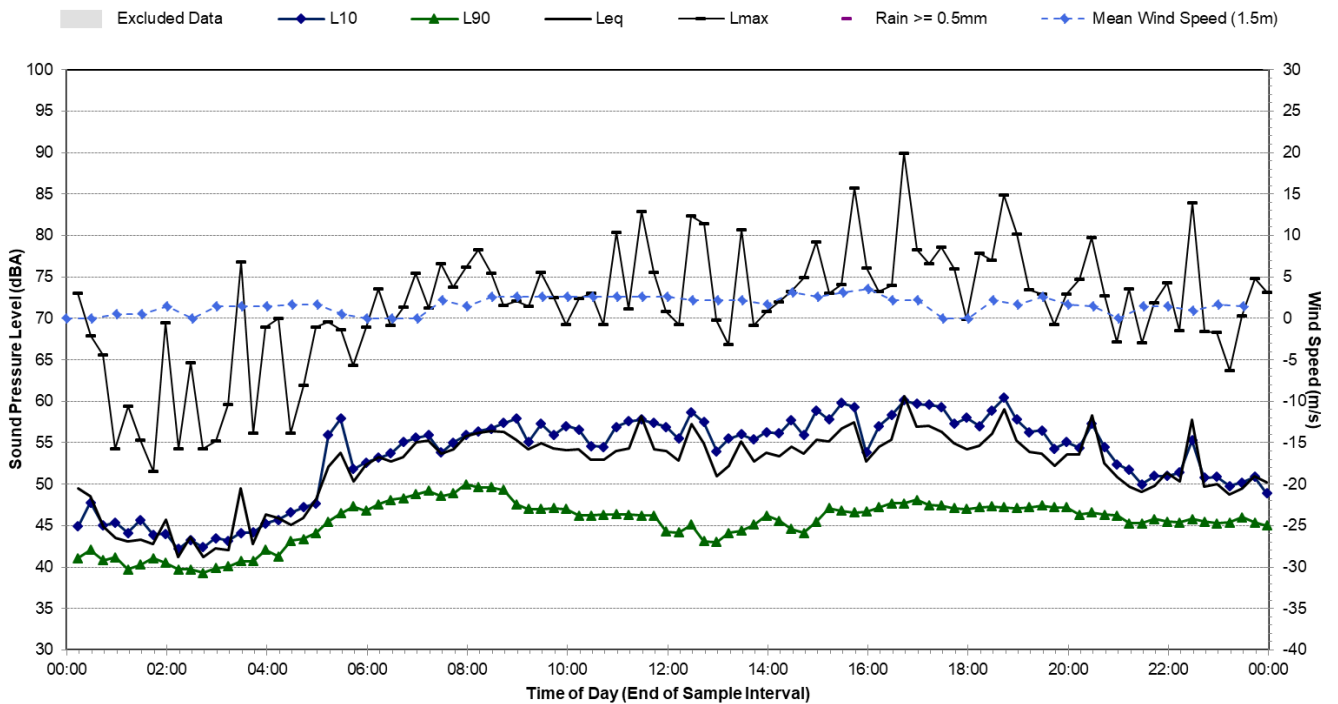
Statistical Ambient Noise Levels

8 Waterview St, Five Dock - Thursday, 20 June 2019



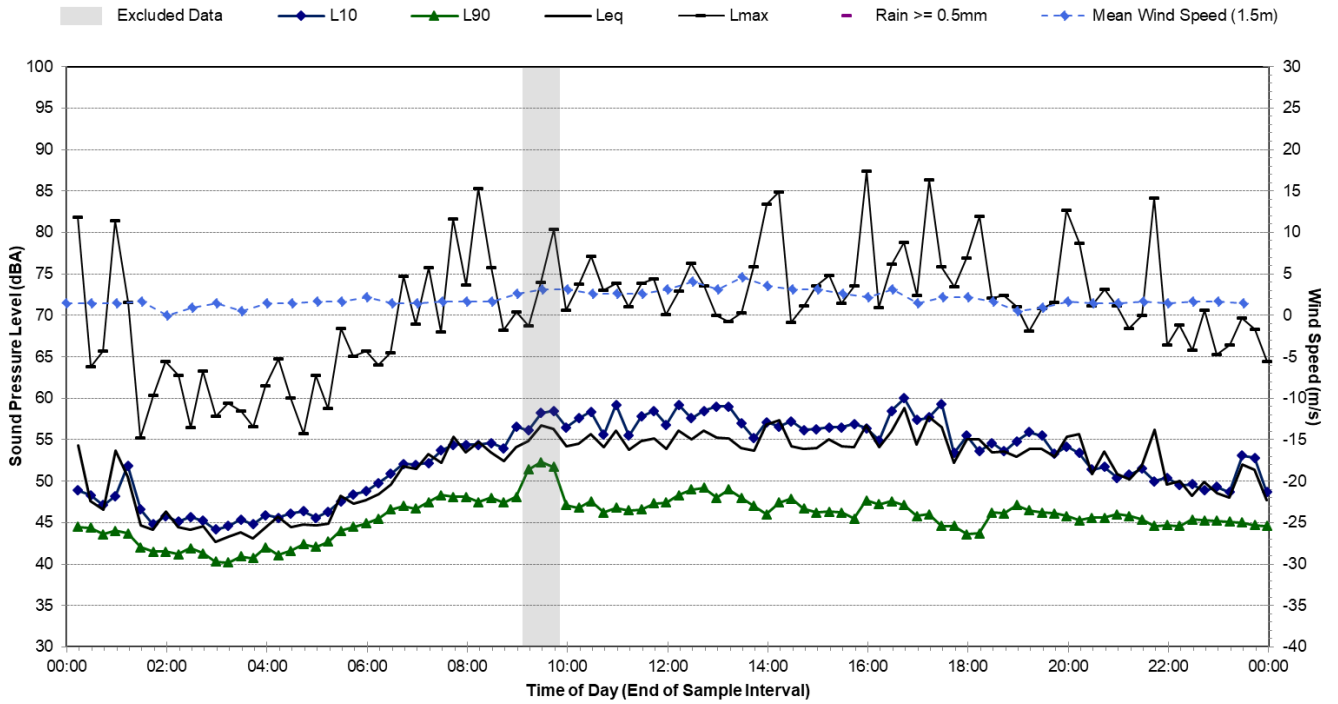
Statistical Ambient Noise Levels

8 Waterview St, Five Dock - Friday, 21 June 2019



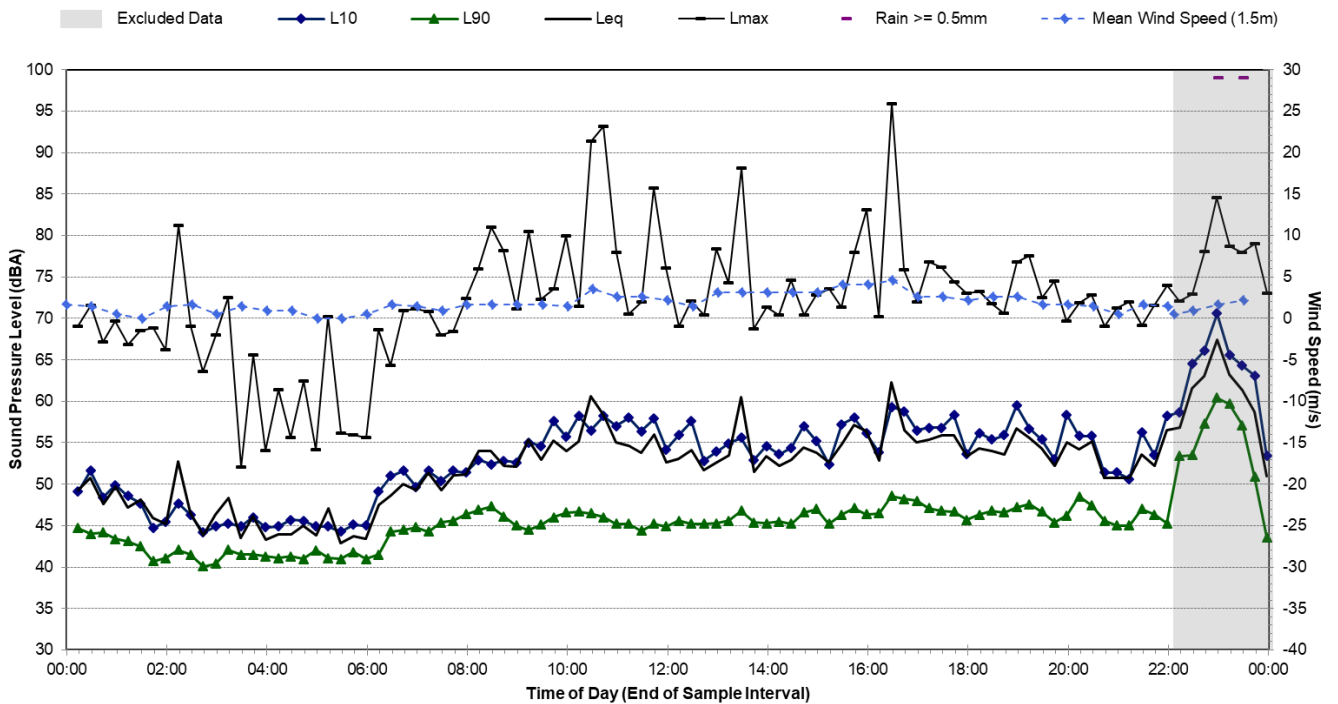
Statistical Ambient Noise Levels

8 Waterview St, Five Dock - Saturday, 22 June 2019



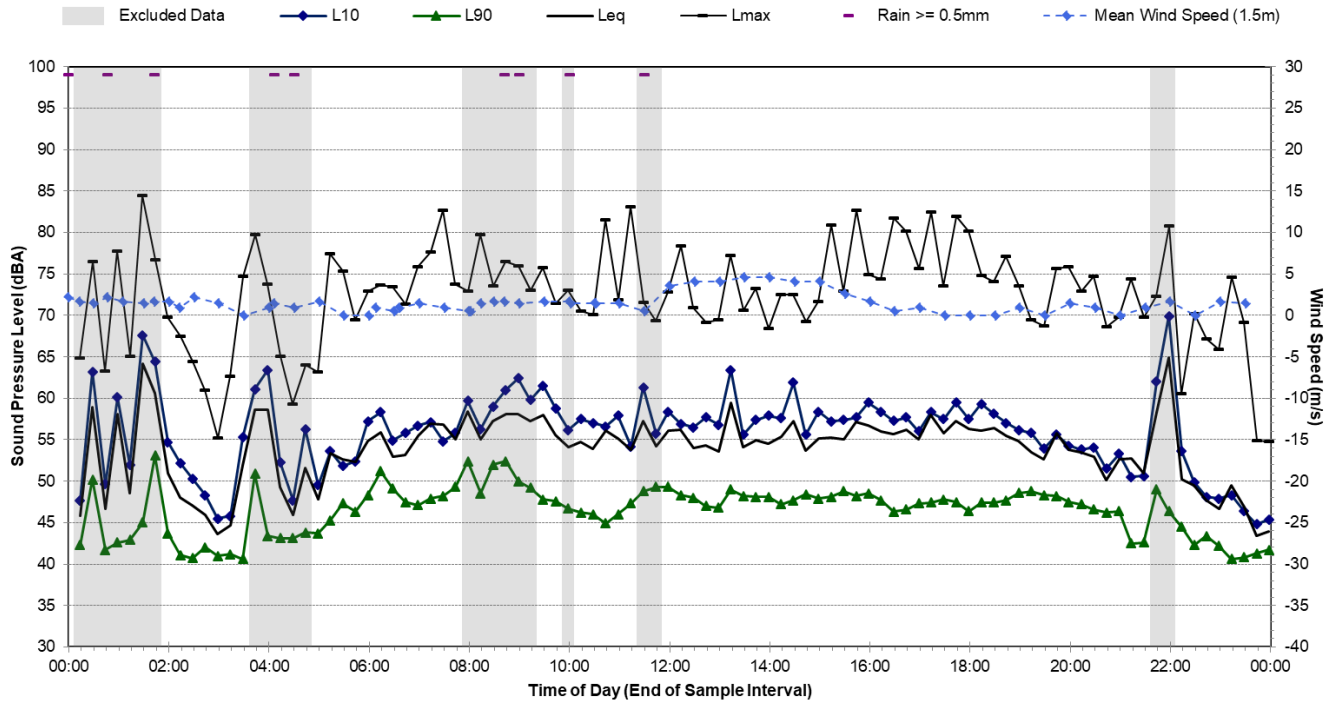
Statistical Ambient Noise Levels

8 Waterview St, Five Dock - Sunday, 23 June 2019



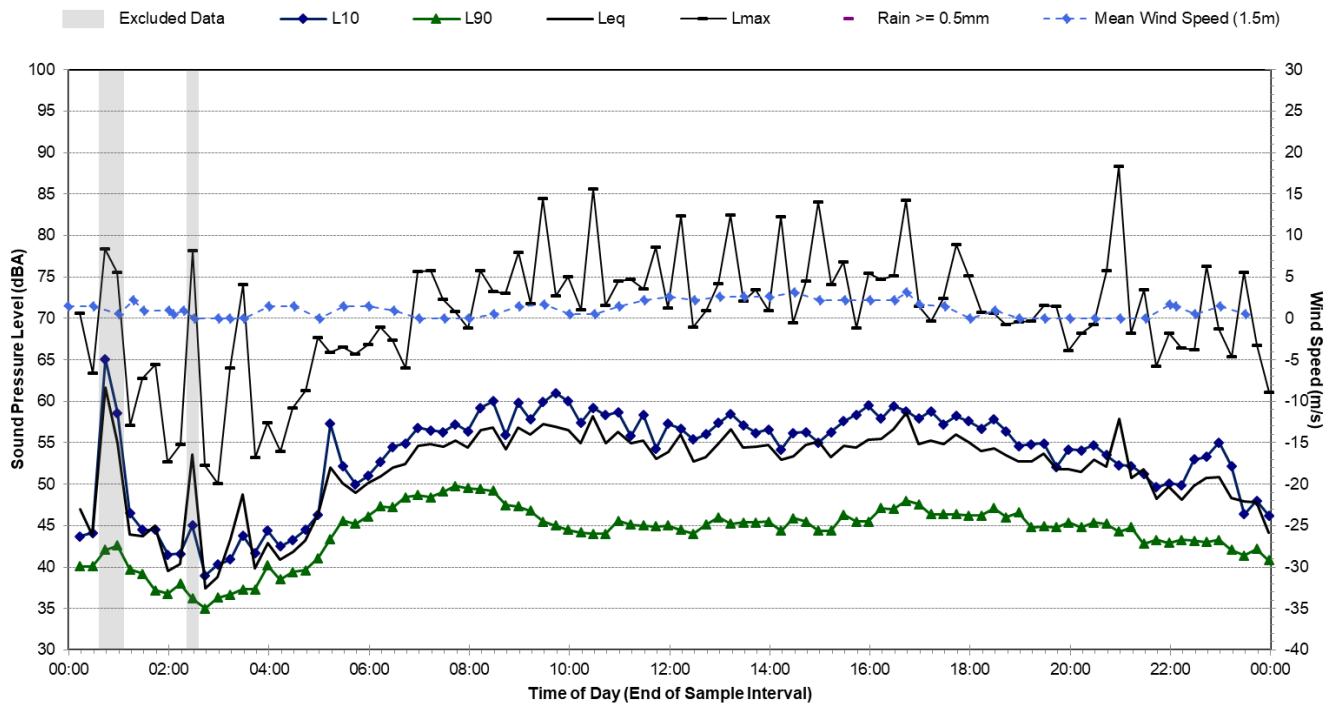
Statistical Ambient Noise Levels

8 Waterview St, Five Dock - Monday, 24 June 2019



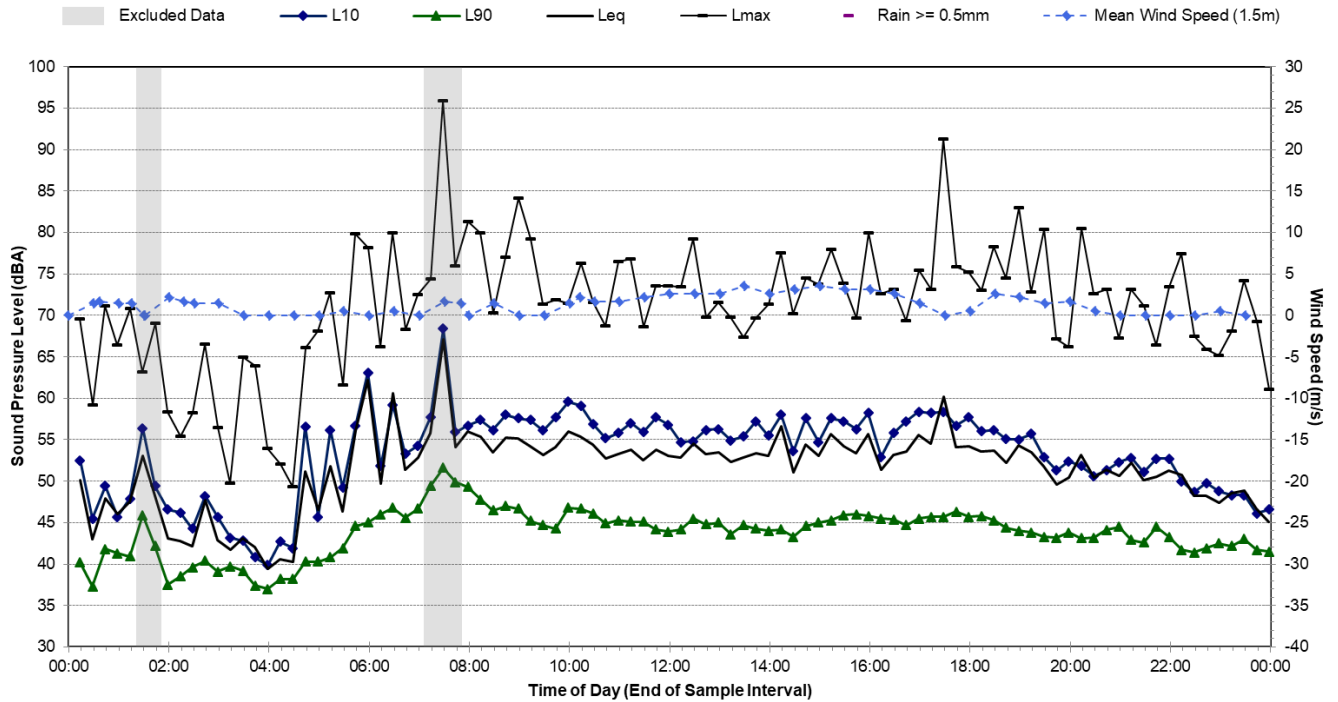
Statistical Ambient Noise Levels

8 Waterview St, Five Dock - Tuesday, 25 June 2019



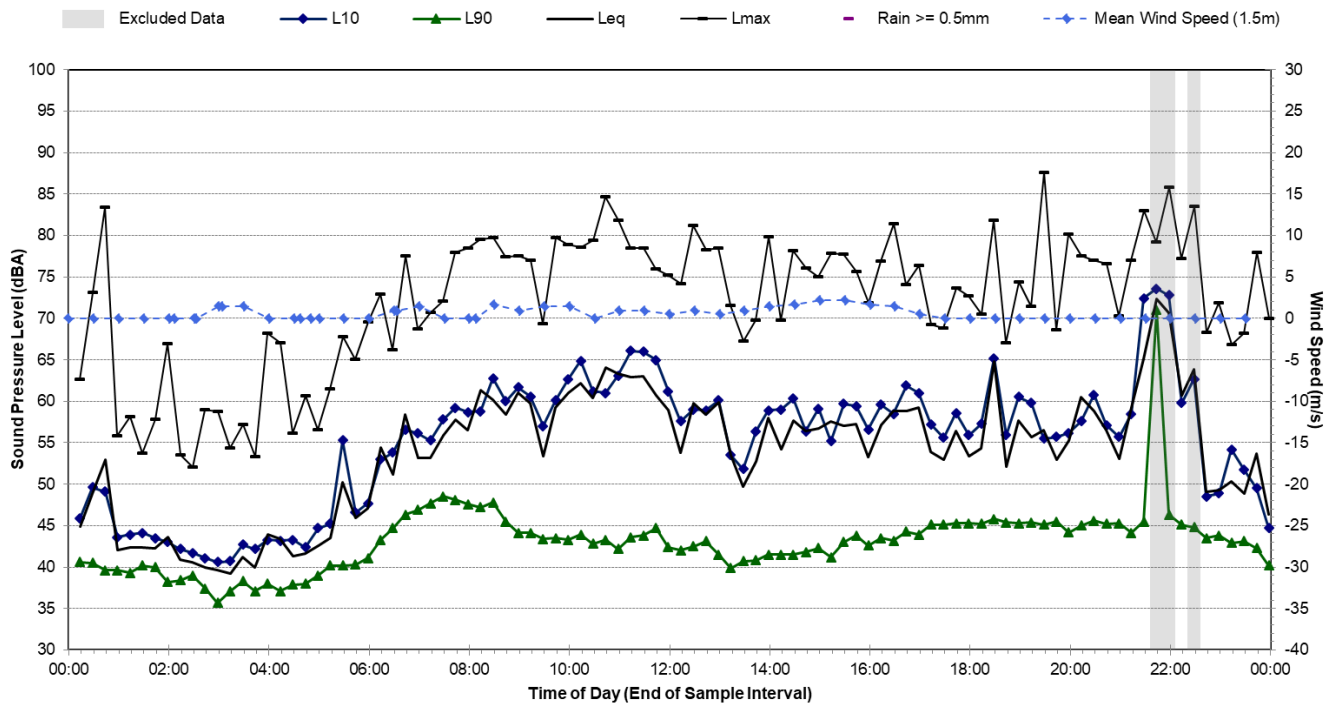
Statistical Ambient Noise Levels

8 Waterview St, Five Dock - Wednesday, 26 June 2019

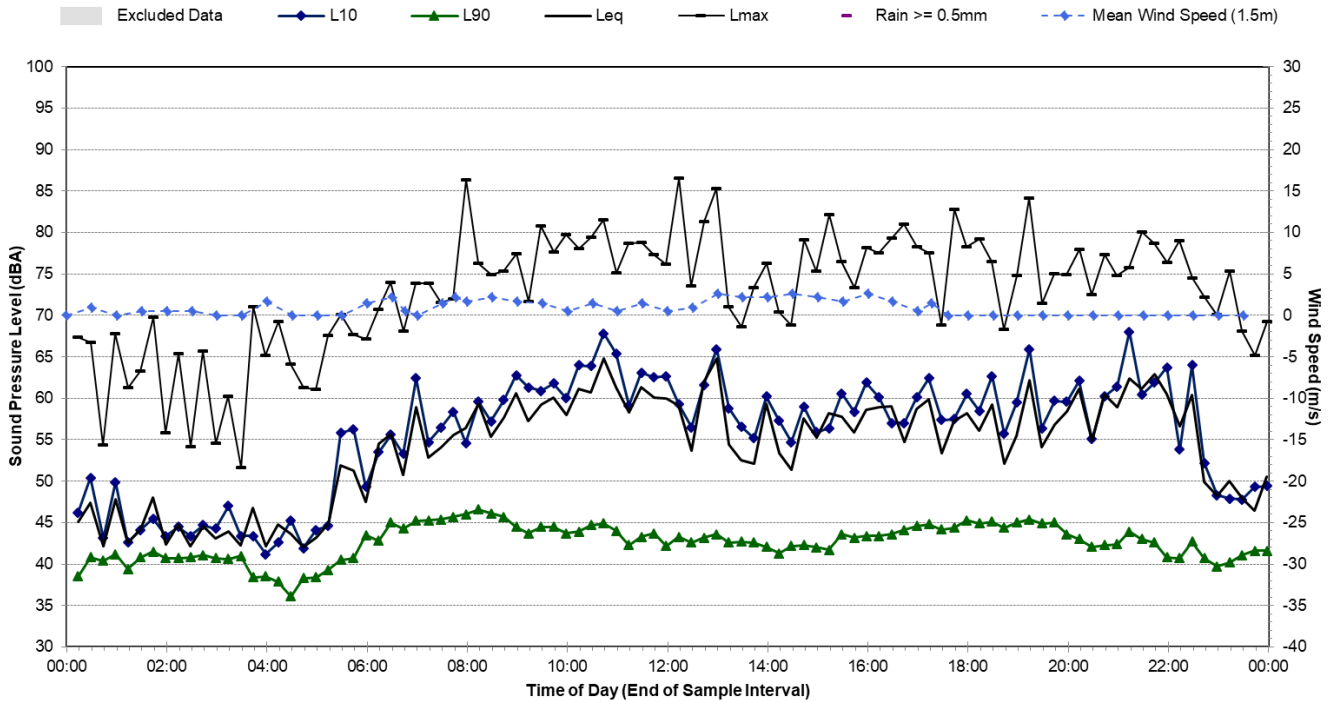


Statistical Ambient Noise Levels

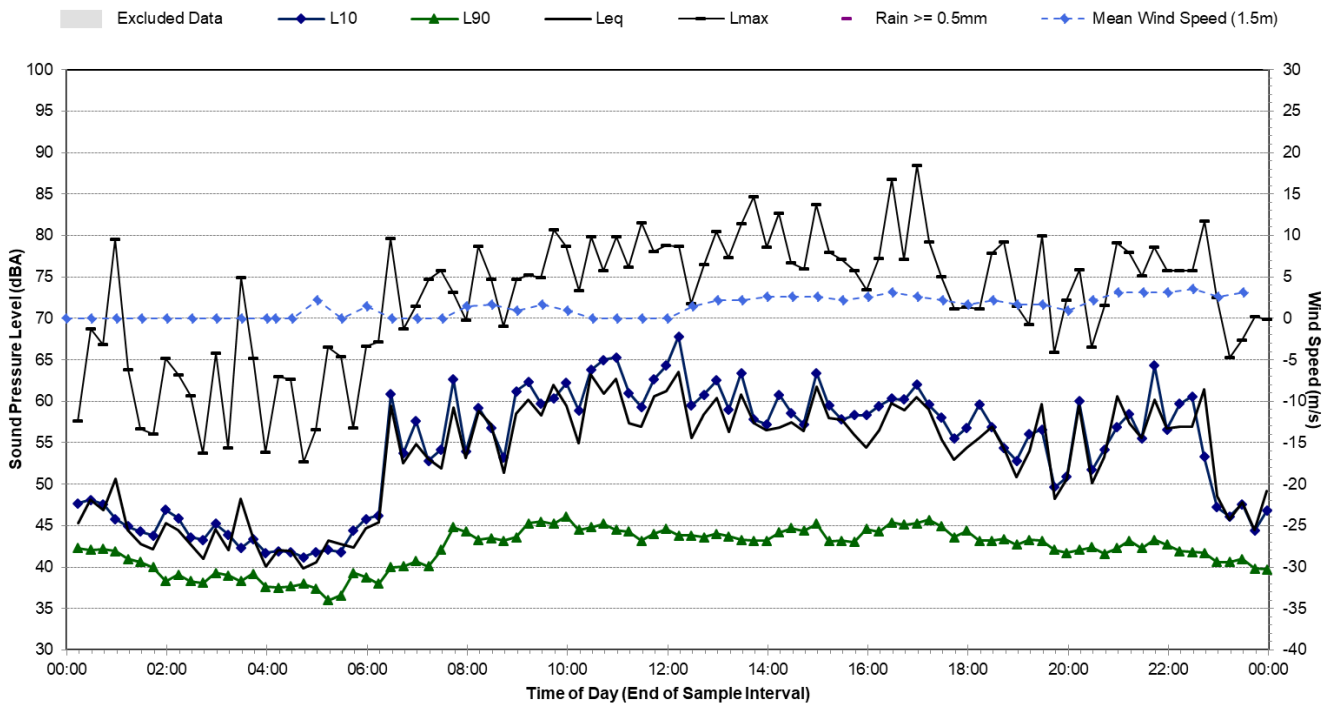
8 Waterview St, Five Dock - Thursday, 27 June 2019



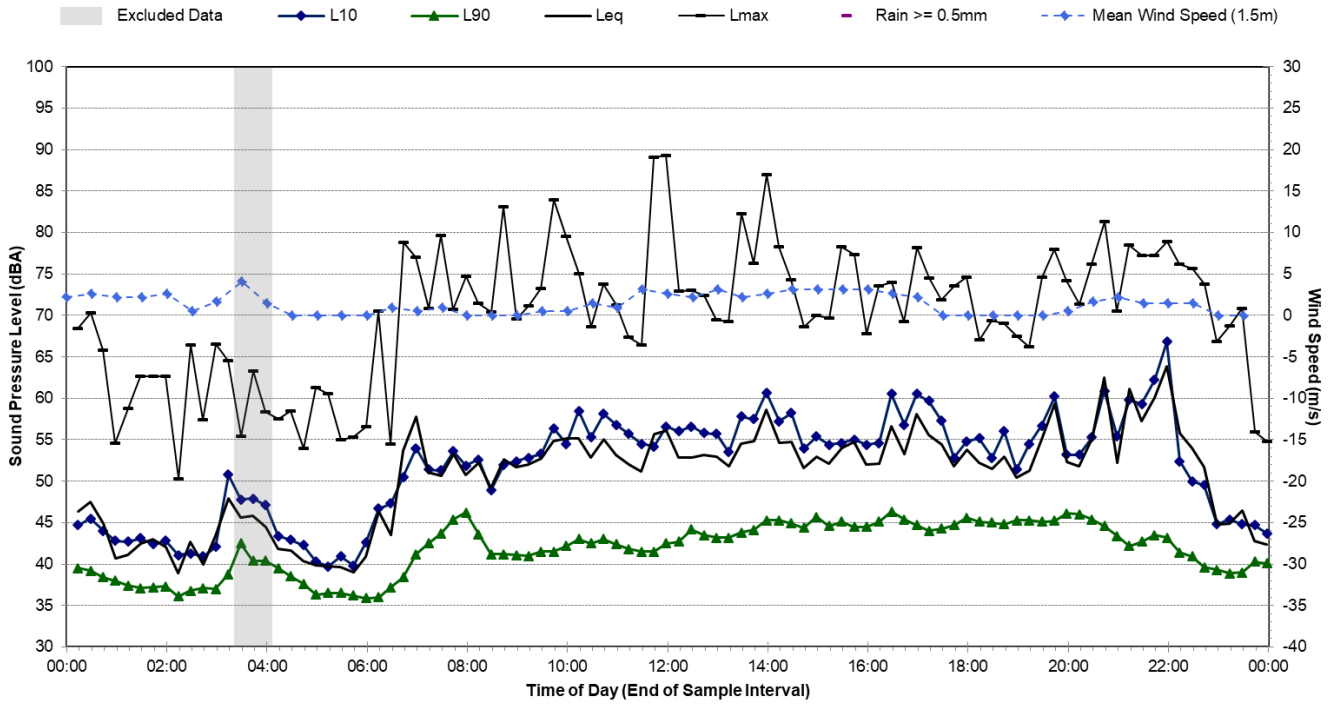
Statistical Ambient Noise Levels 8 Waterview St, Five Dock - Friday, 28 June 2019



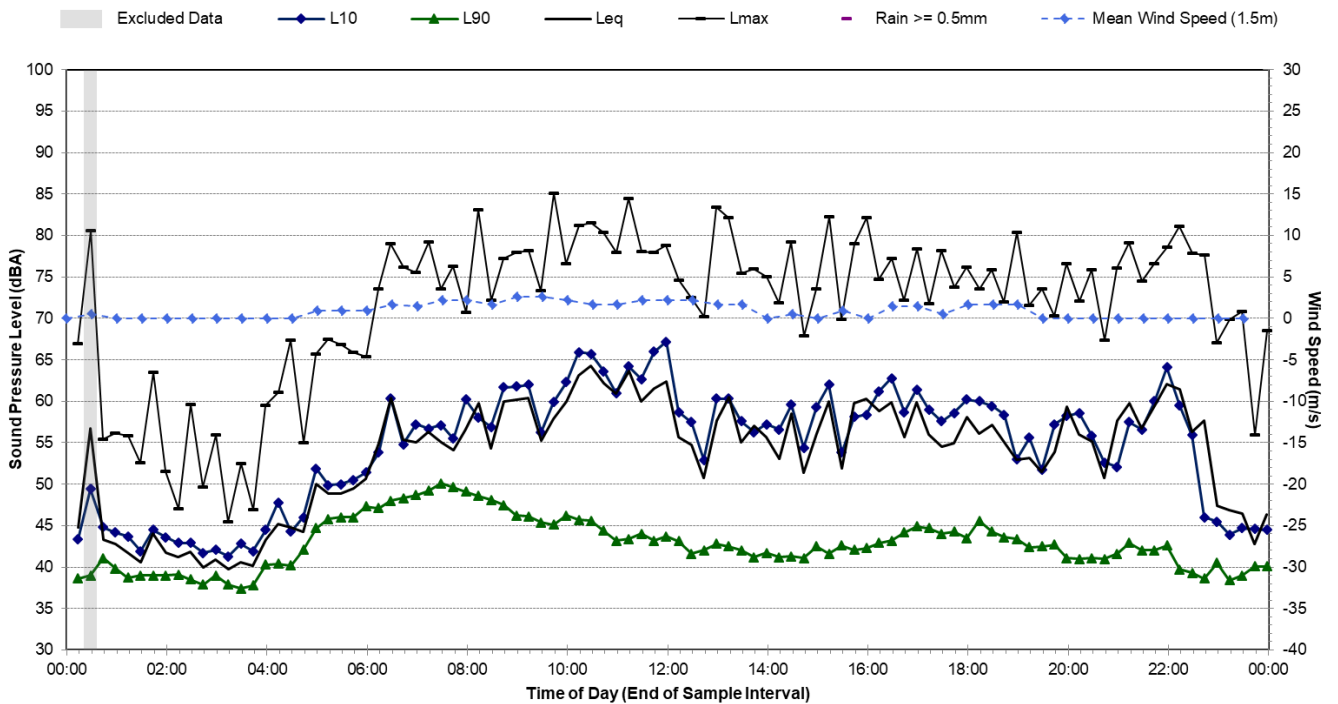
Statistical Ambient Noise Levels 8 Waterview St, Five Dock - Saturday, 29 June 2019



Statistical Ambient Noise Levels 8 Waterview St, Five Dock - Sunday, 30 June 2019

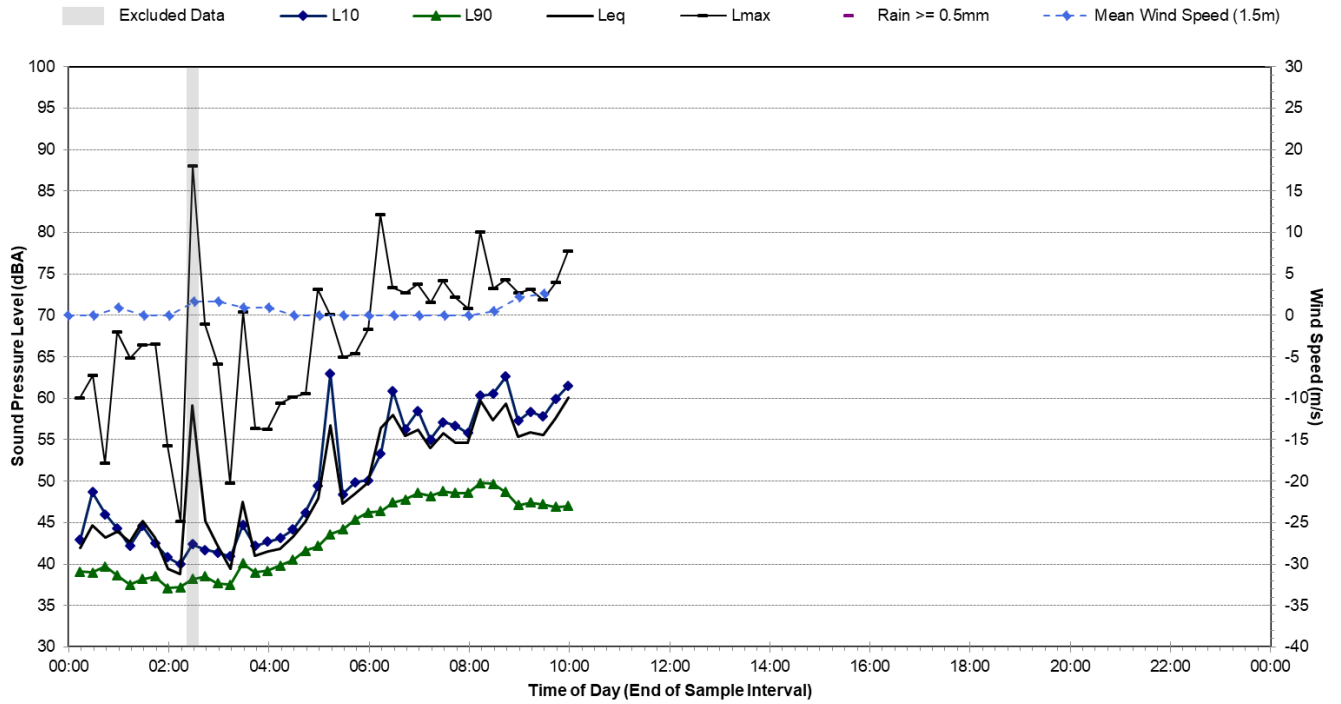


Statistical Ambient Noise Levels 8 Waterview St, Five Dock - Monday, 1 July 2019



Statistical Ambient Noise Levels

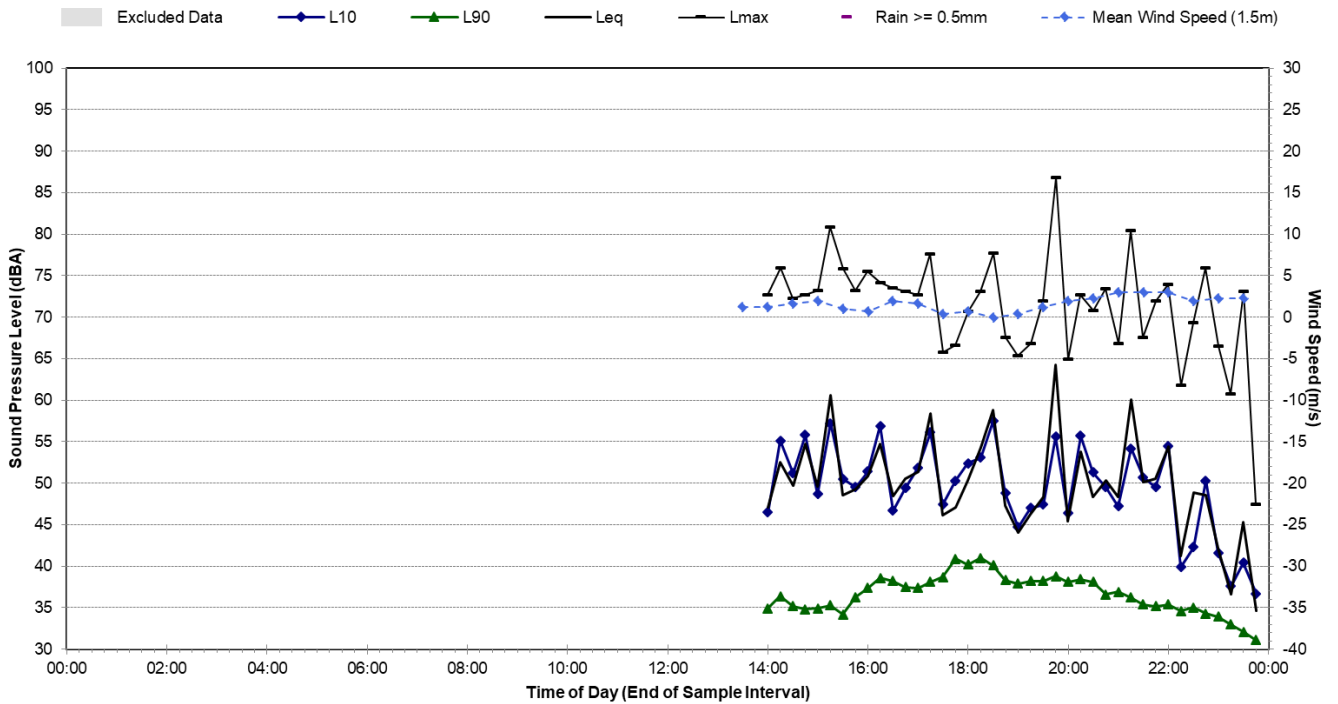
8 Waterview St, Five Dock - Tuesday, 2 July 2019



Noise Monitoring Location		B.16				Map of Noise Monitoring Location	
Noise Monitoring Address		11 Chapel Street, Lilyfield					
Logger Device Type: SVAN957, Logger Serial No: 23293 Sound Level Meter Device Type: Brüel and Kjær 2260, Sound Level Meter Serial No: 2487418							
Ambient noise logger located at 11 Chapel Street, Lilyfield. Logger located with view of Chapel Street to the south, and Glover Street to the east.							
Attended noise measurements indicate the ambient noise environment at this location is dominated by road traffic noise from Chapel Street to the south and City West Link to the west. Aircraft noise also contributes to the measured levels.							
Measured noise levels (LAmax): 12/06/2019: Light-vehicle traffic Chapel Street: 54-67 dBA, Heavy/Light-vehicle traffic City West Link: 38-42 dBA, Birds: 48-52 dBA, Aircraft: 50-83 dBA							
Ambient Noise Logging Results ICNG Defined Time Periods							
Monitoring Period (12/06/2019 – 02/07/2019)		Noise Level (dBA)					
	RBL	LAeq	L10	L1			
Daytime	36	60	59	72			
Evening	39	60	56	71			
Night-time	33	53	39	43			
Ambient Noise Logging Results RNP Defined Time Periods							
Monitoring Period (12/06/2019 – 02/07/2019)		Noise Level (dBA)					
	LAeq(period)		LAeq(1hour)				
Daytime (7am-10pm)	61		64				
Night-time (10pm-7am)	55		65				
Attended Noise Measurement Results							
Date		Start Time		Measured Noise Level (dBA)			
		LA90	LAeq	LAmax			
12/06/2019	13:09	38	63	83			

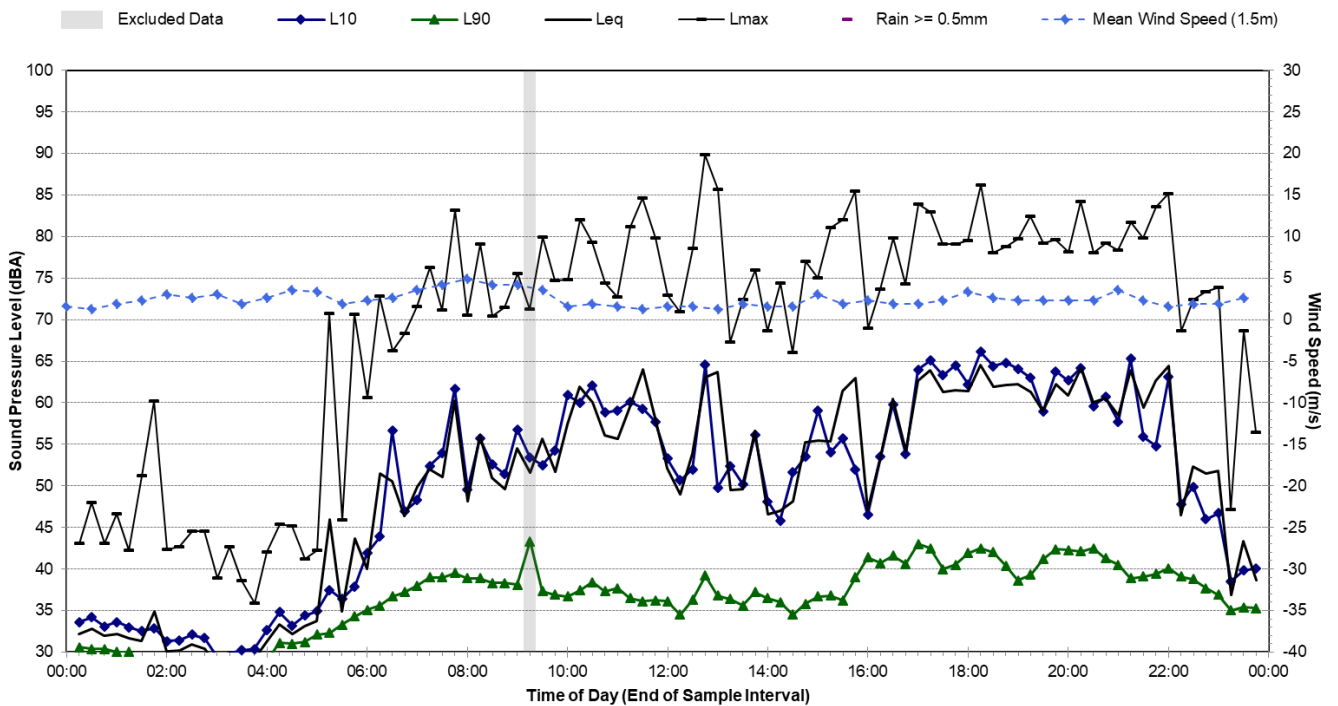
Statistical Ambient Noise Levels

11 Chapel St, Lilyfield - Wednesday, 12 June 2019

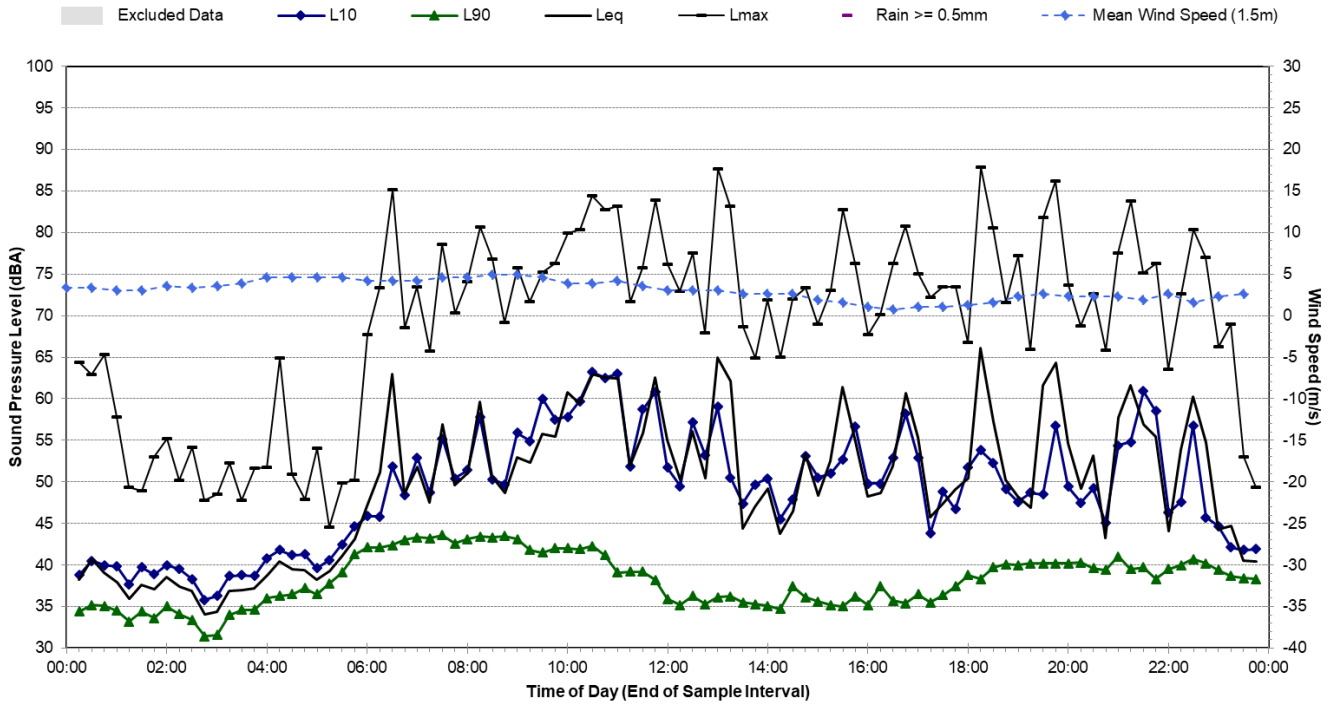


Statistical Ambient Noise Levels

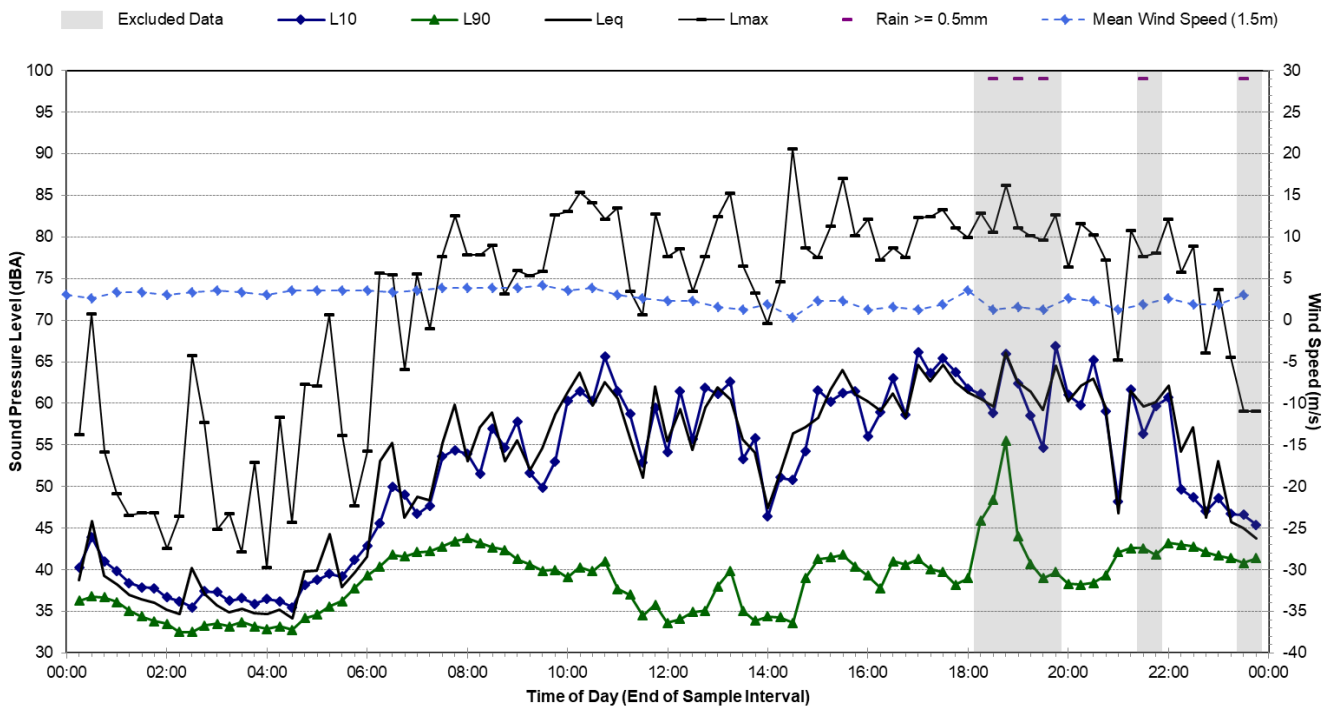
11 Chapel St, Lilyfield - Thursday, 13 June 2019



Statistical Ambient Noise Levels 11 Chapel St, Lilyfield - Friday, 14 June 2019

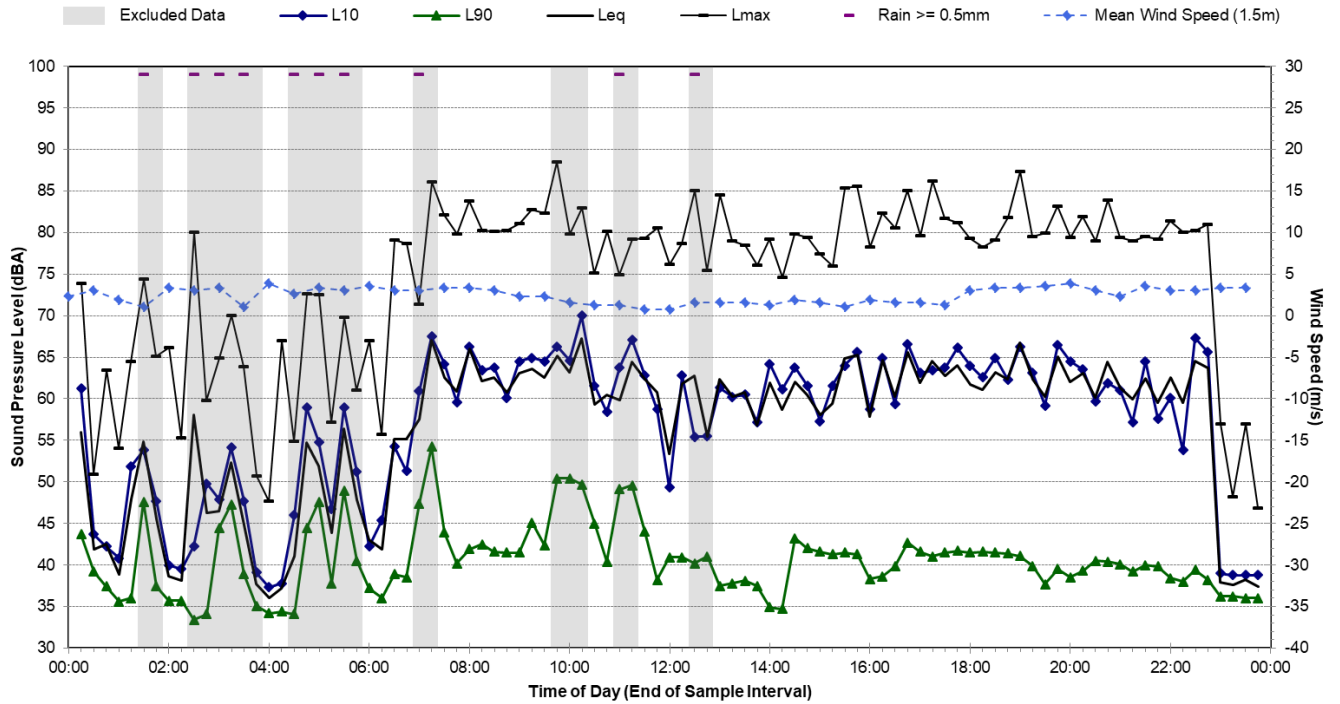


Statistical Ambient Noise Levels 11 Chapel St, Lilyfield - Saturday, 15 June 2019



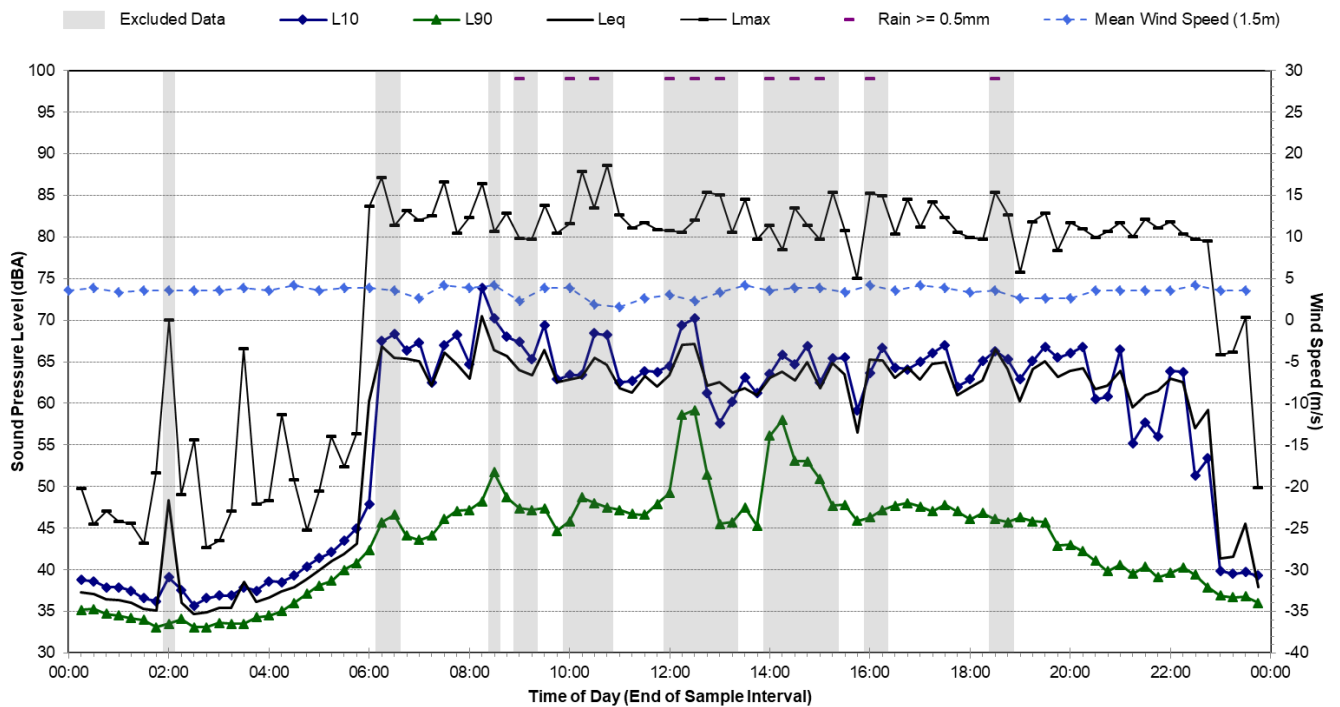
Statistical Ambient Noise Levels

11 Chapel St, Lilyfield - Sunday, 16 June 2019



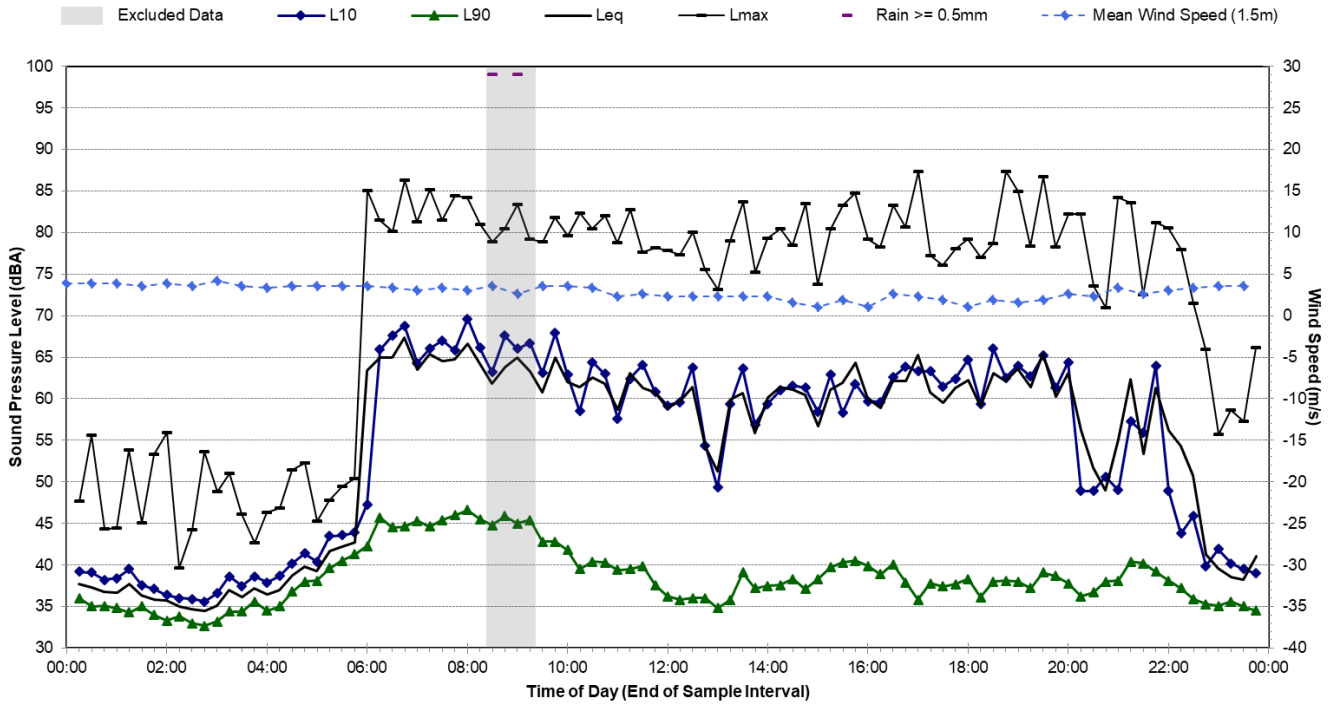
Statistical Ambient Noise Levels

11 Chapel St, Lilyfield - Monday, 17 June 2019



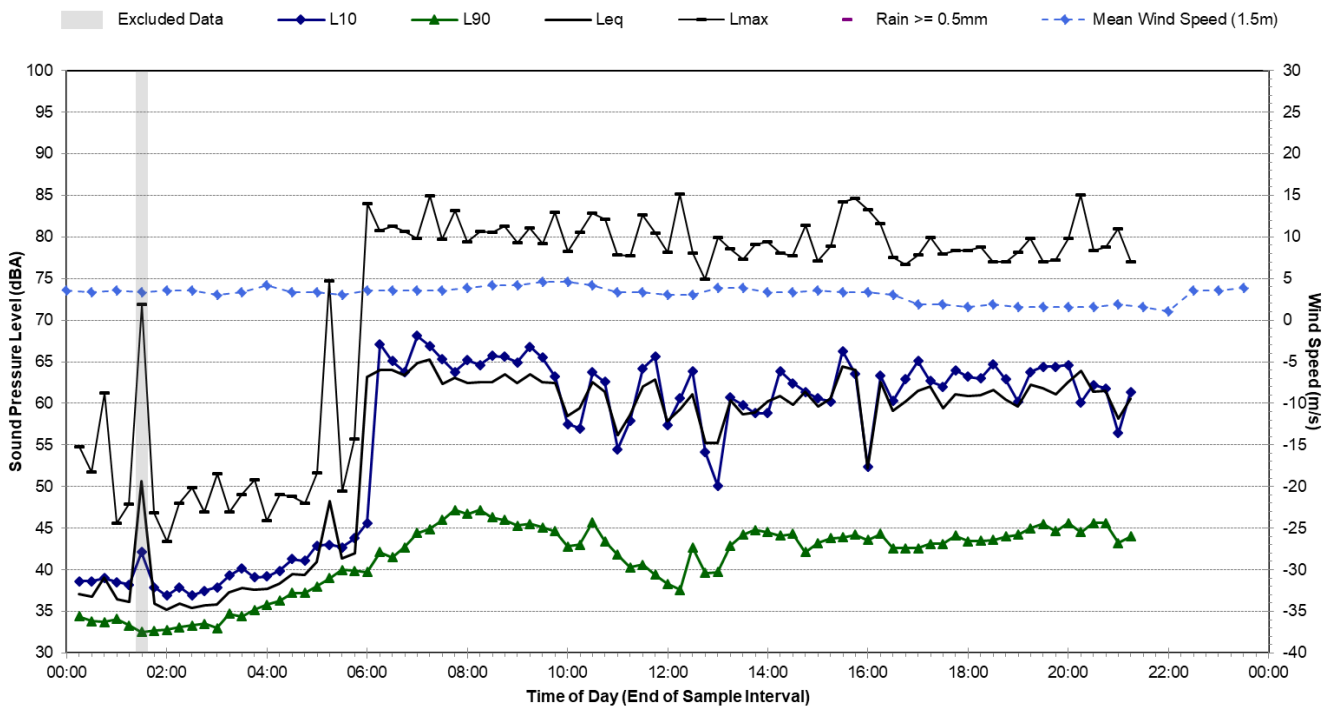
Statistical Ambient Noise Levels

11 Chapel St, Lilyfield - Tuesday, 18 June 2019



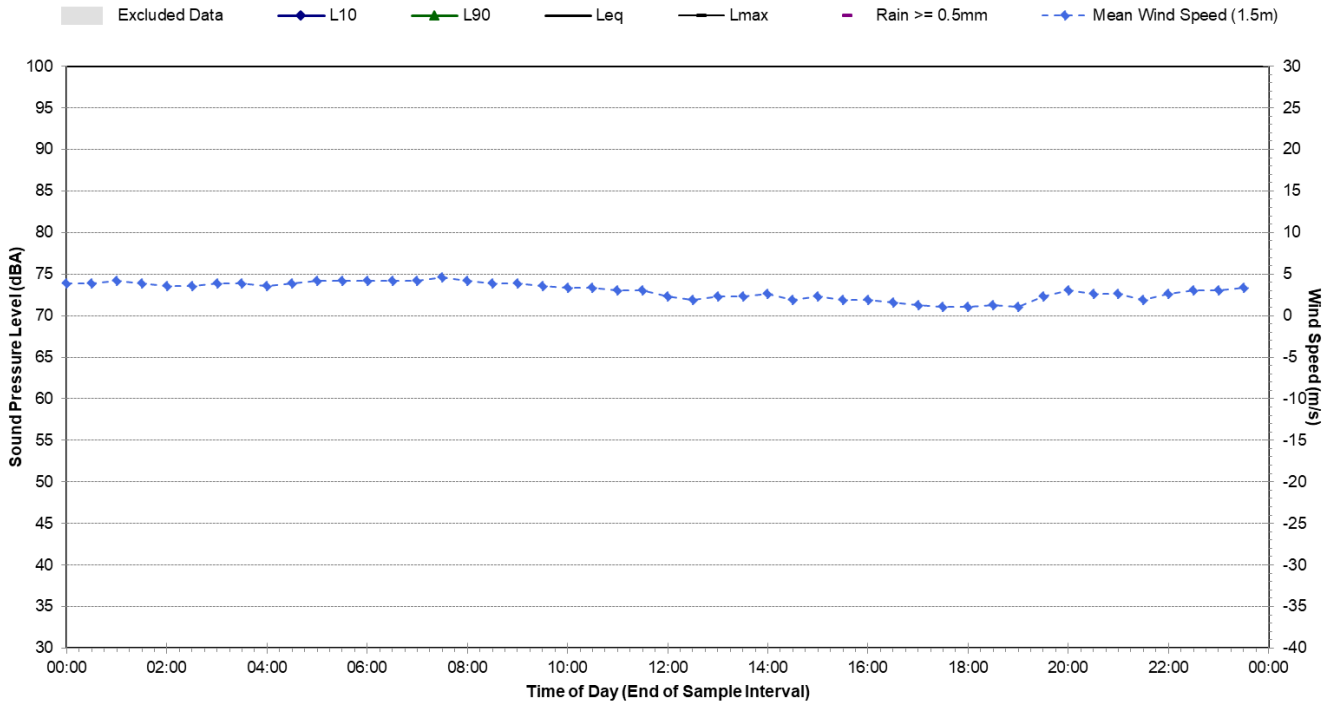
Statistical Ambient Noise Levels

11 Chapel St, Lilyfield - Wednesday, 19 June 2019



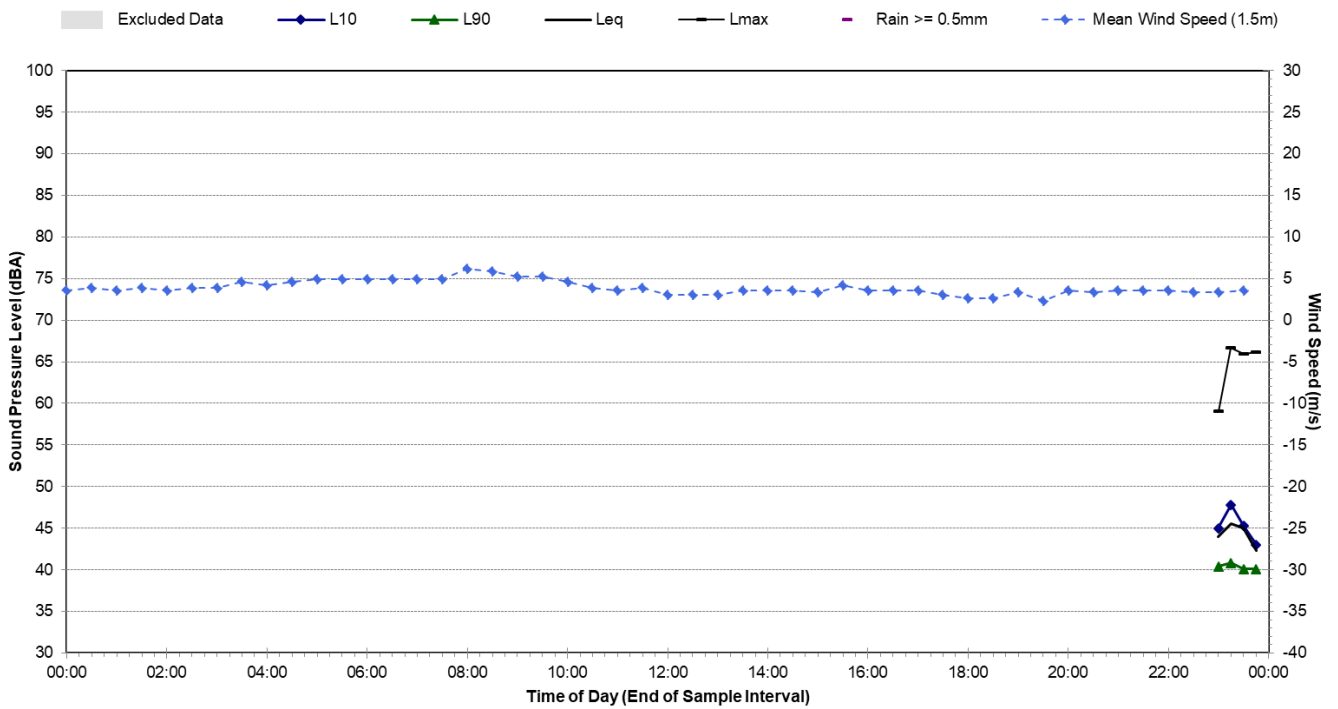
Statistical Ambient Noise Levels

11 Chapel St, Lilyfield - Thursday, 20 June 2019



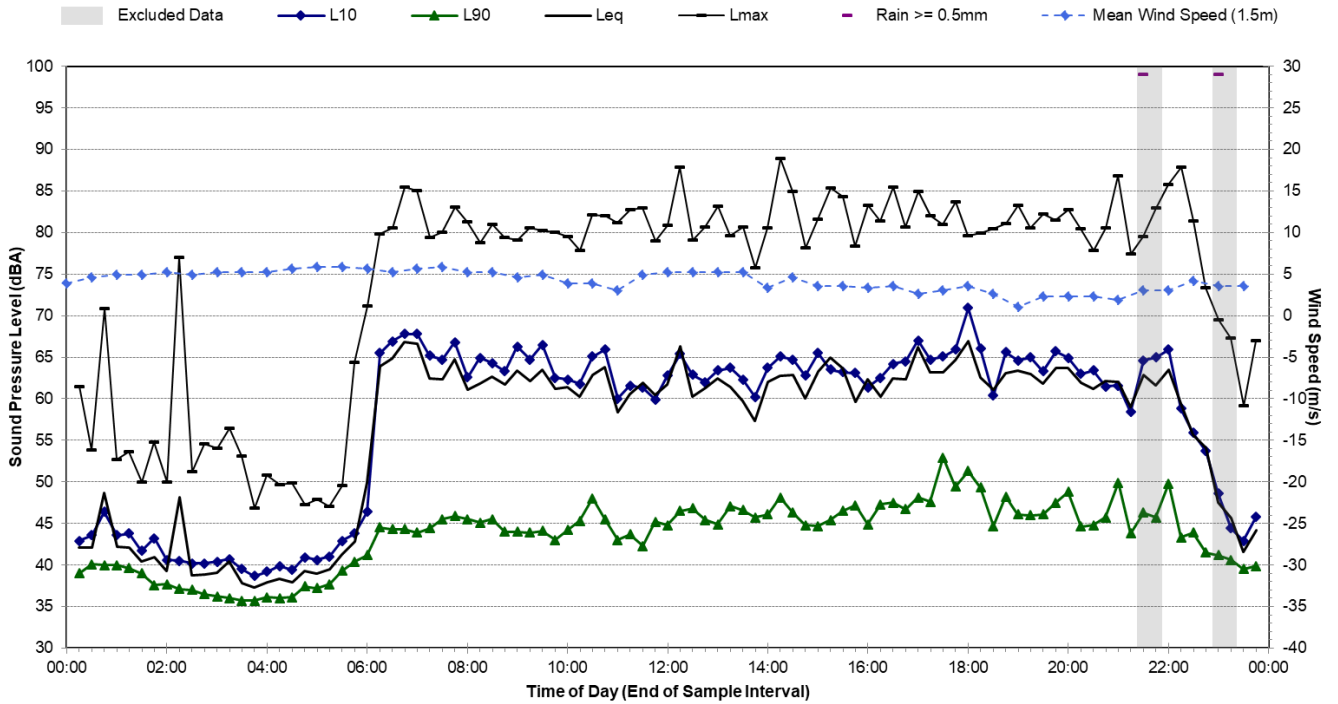
Statistical Ambient Noise Levels

11 Chapel St, Lilyfield - Friday, 21 June 2019



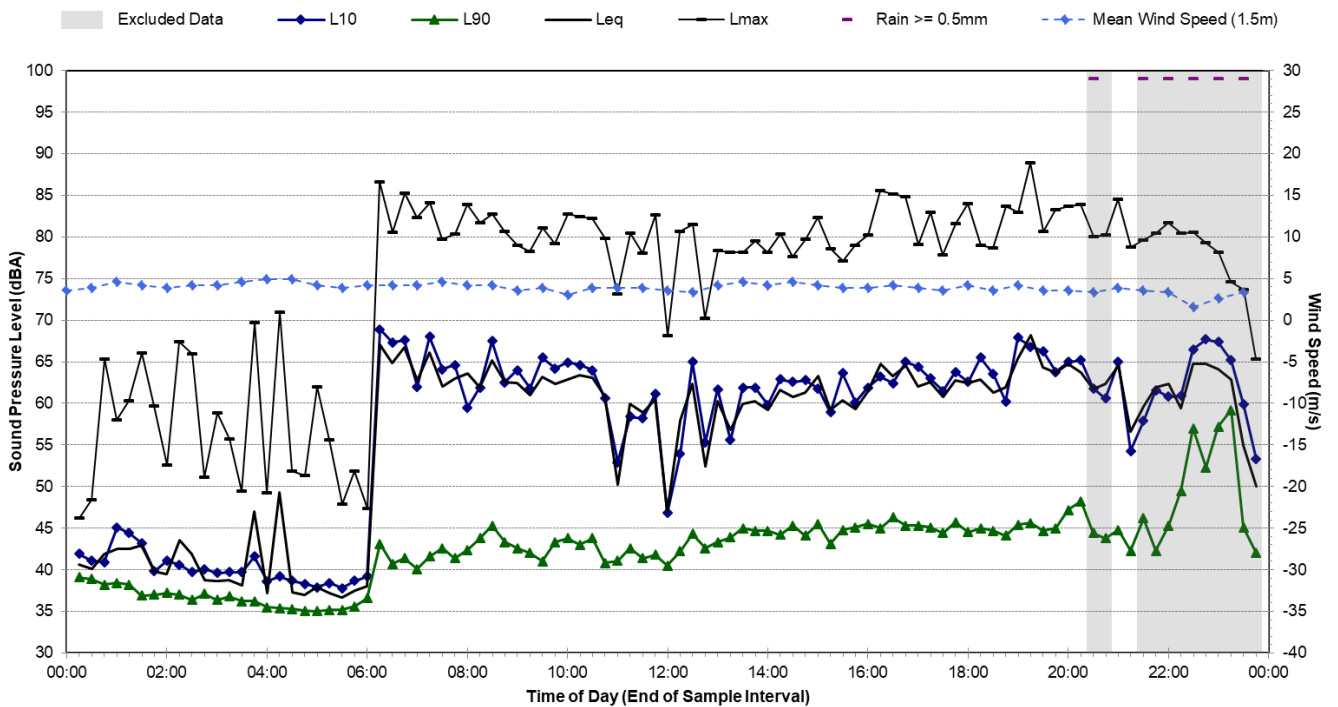
Statistical Ambient Noise Levels

11 Chapel St, Lilyfield - Saturday, 22 June 2019



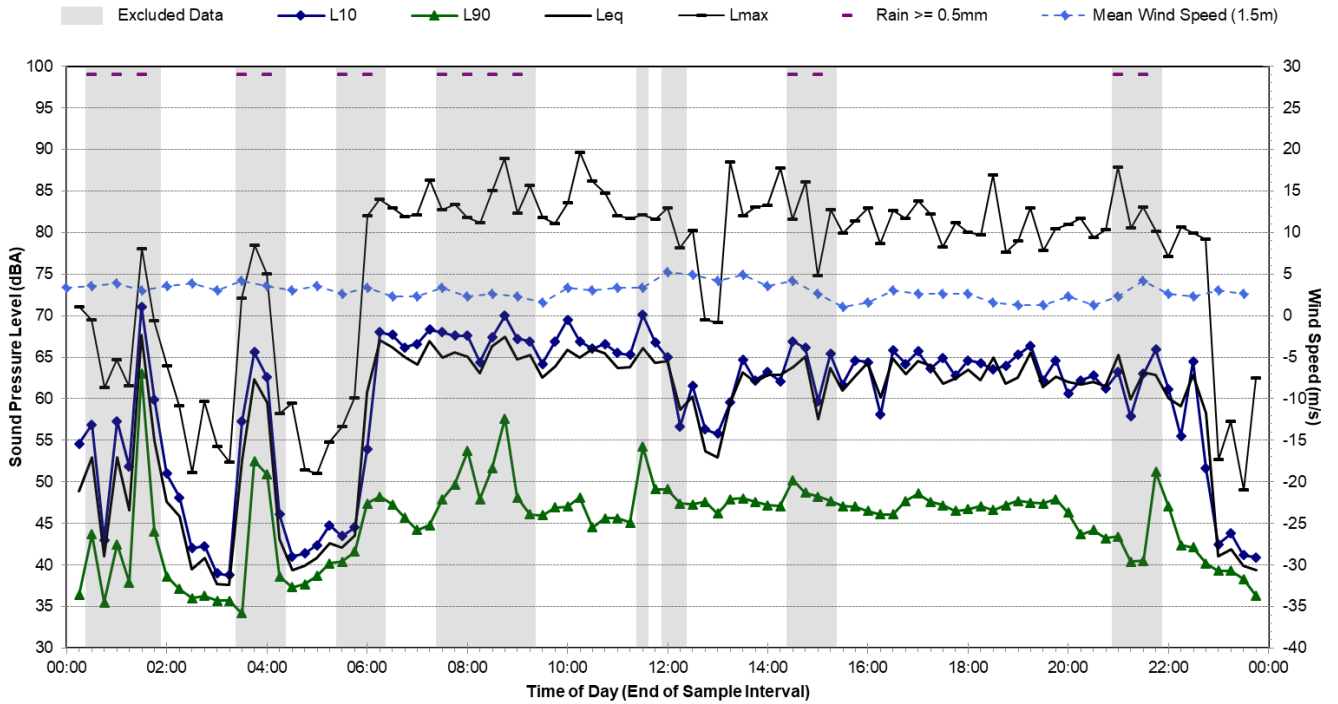
Statistical Ambient Noise Levels

11 Chapel St, Lilyfield - Sunday, 23 June 2019



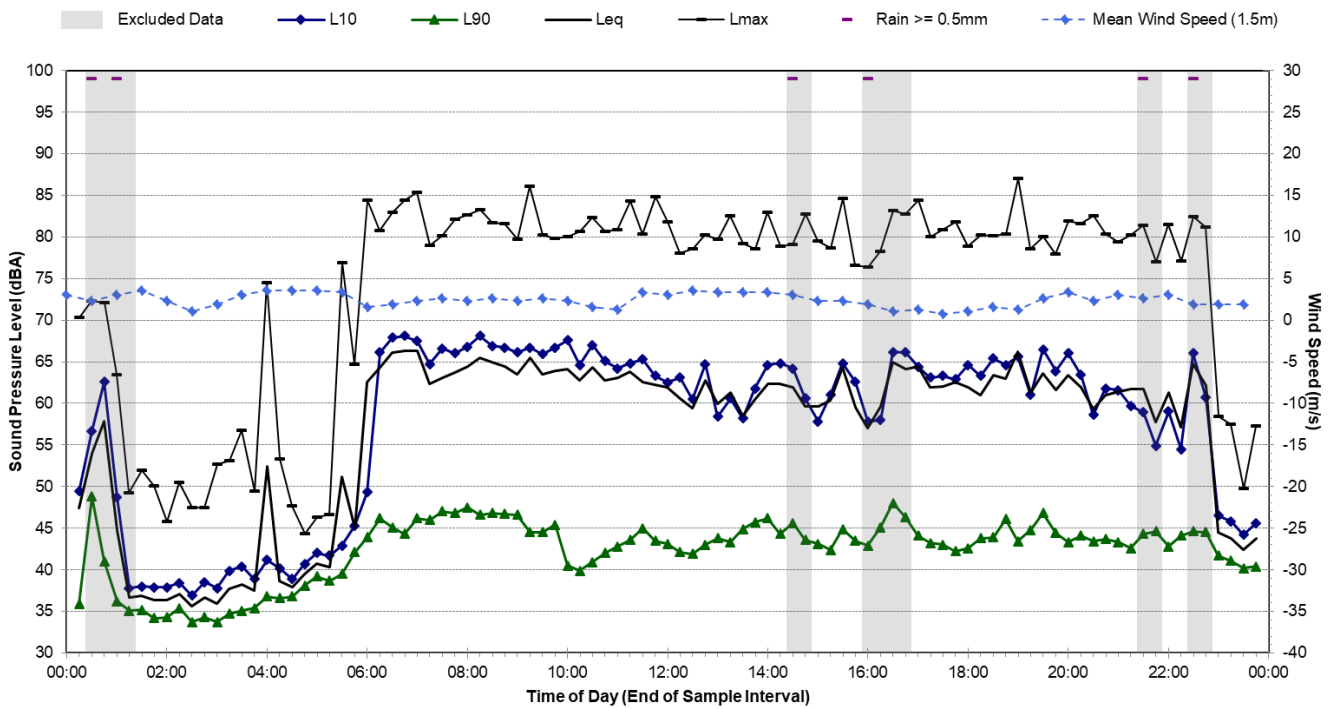
Statistical Ambient Noise Levels

11 Chapel St, Lilyfield - Monday, 24 June 2019



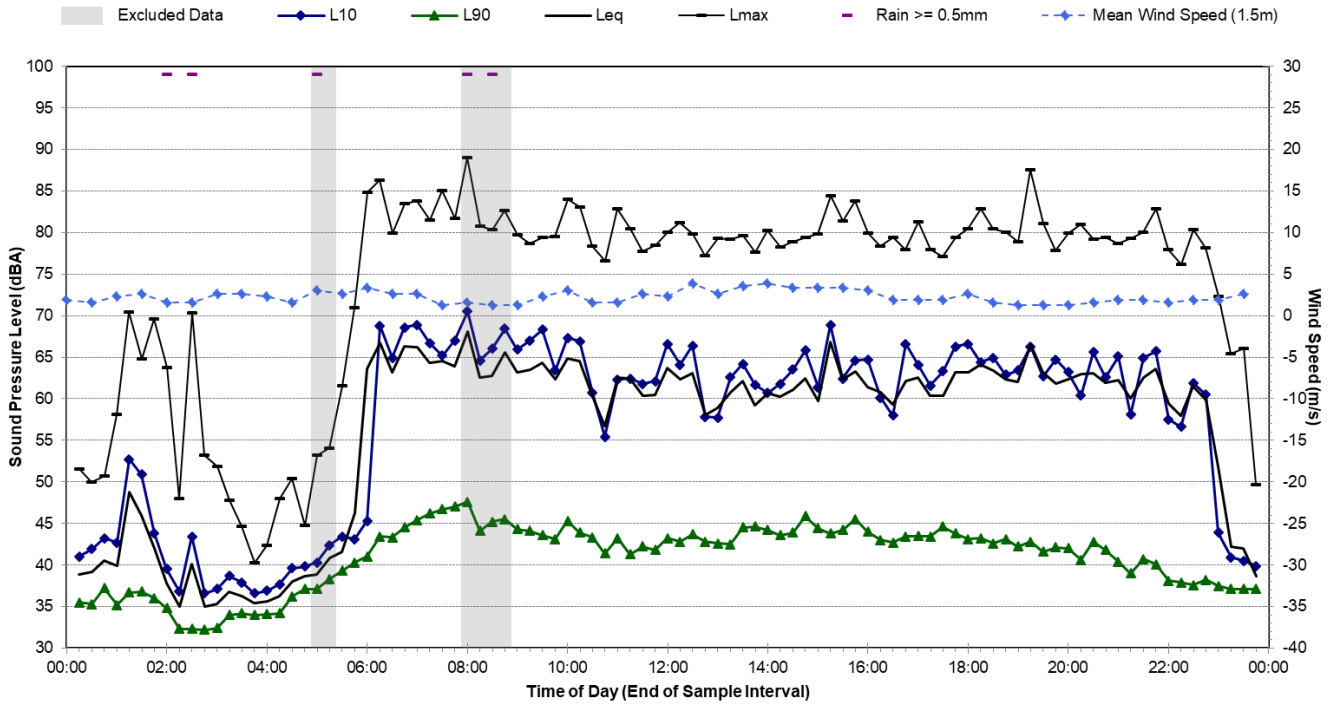
Statistical Ambient Noise Levels

11 Chapel St, Lilyfield - Tuesday, 25 June 2019



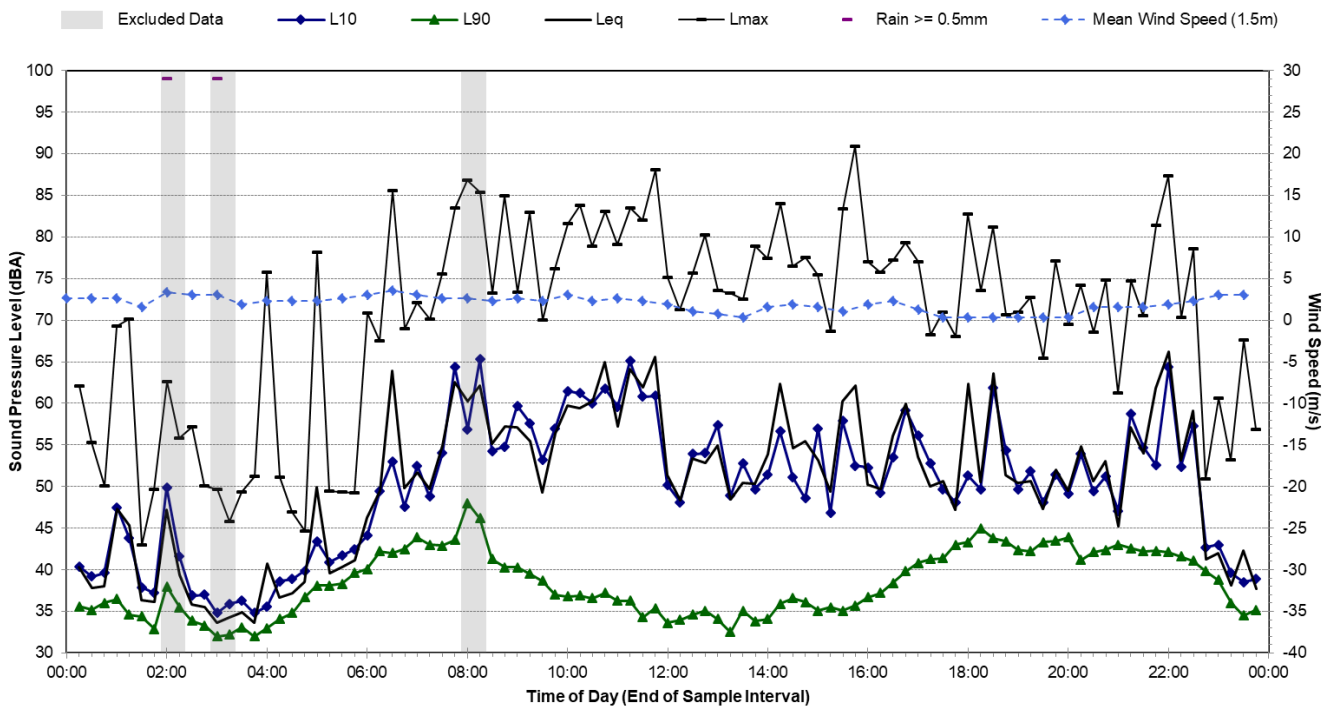
Statistical Ambient Noise Levels

11 Chapel St, Lilyfield - Wednesday, 26 June 2019



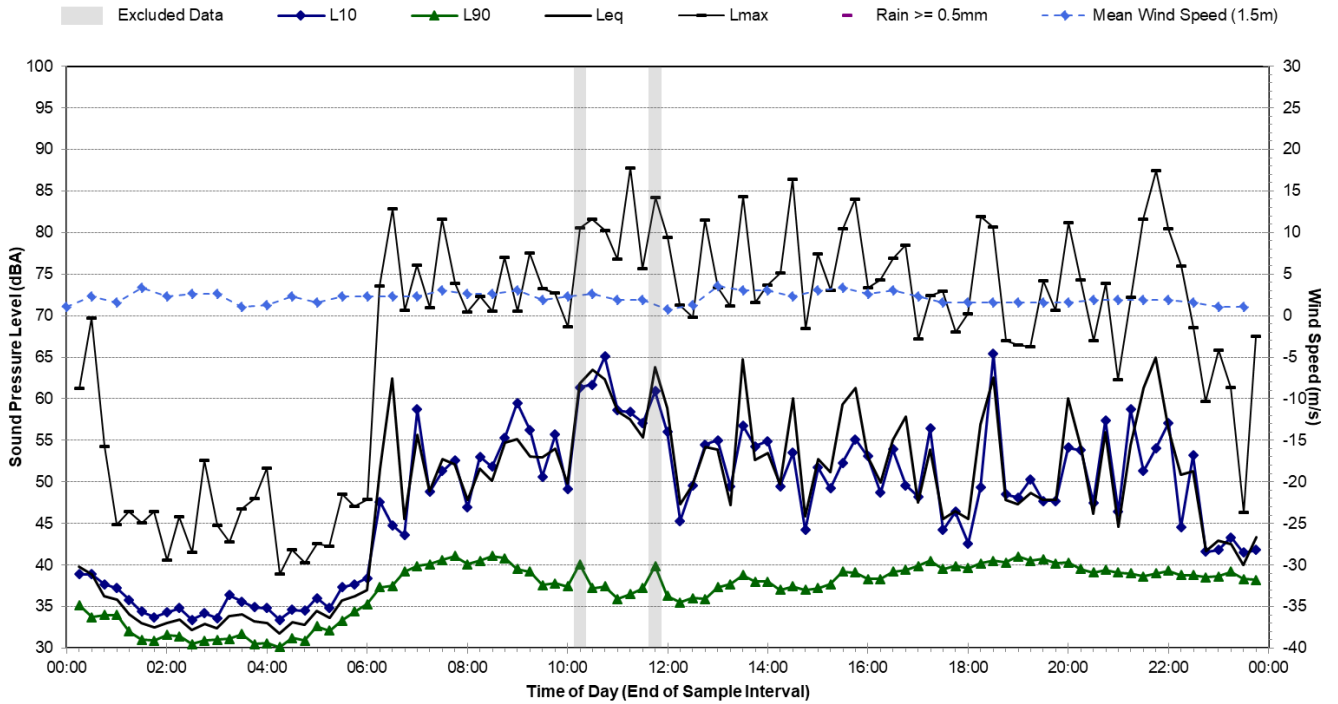
Statistical Ambient Noise Levels

11 Chapel St, Lilyfield - Thursday, 27 June 2019



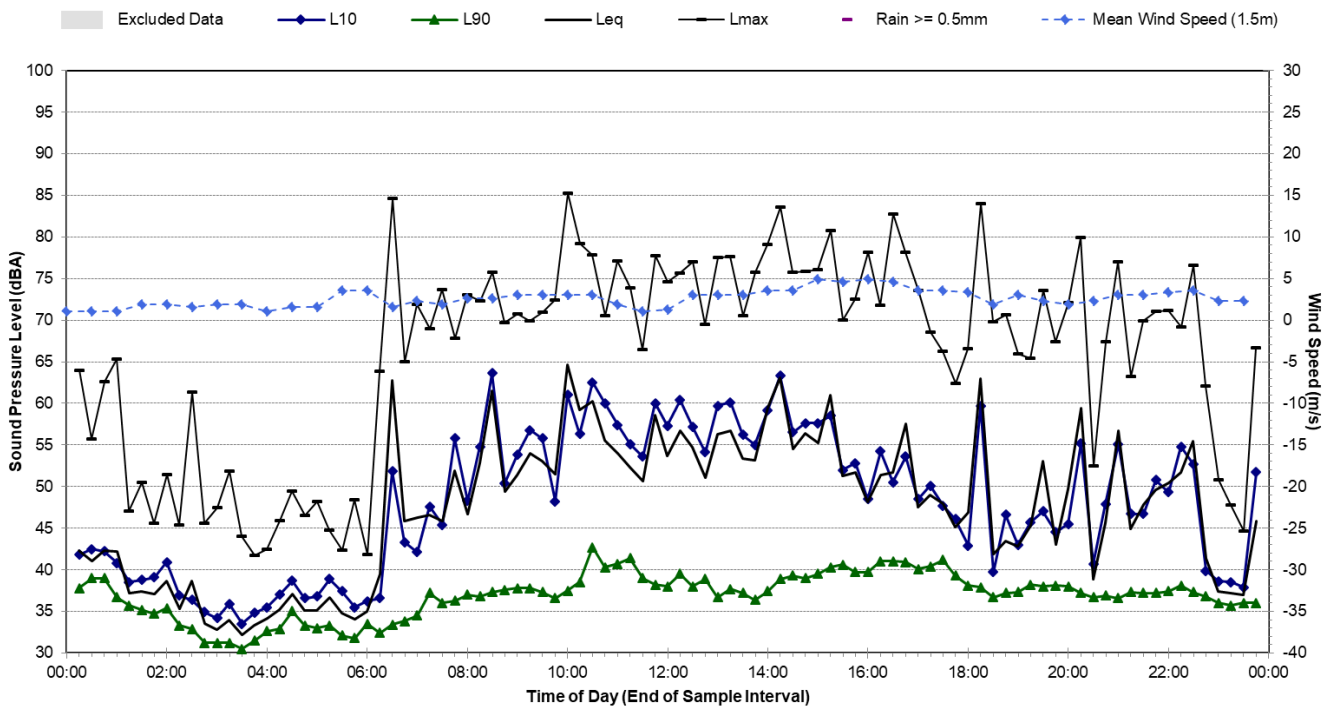
Statistical Ambient Noise Levels

11 Chapel St, Lilyfield - Friday, 28 June 2019



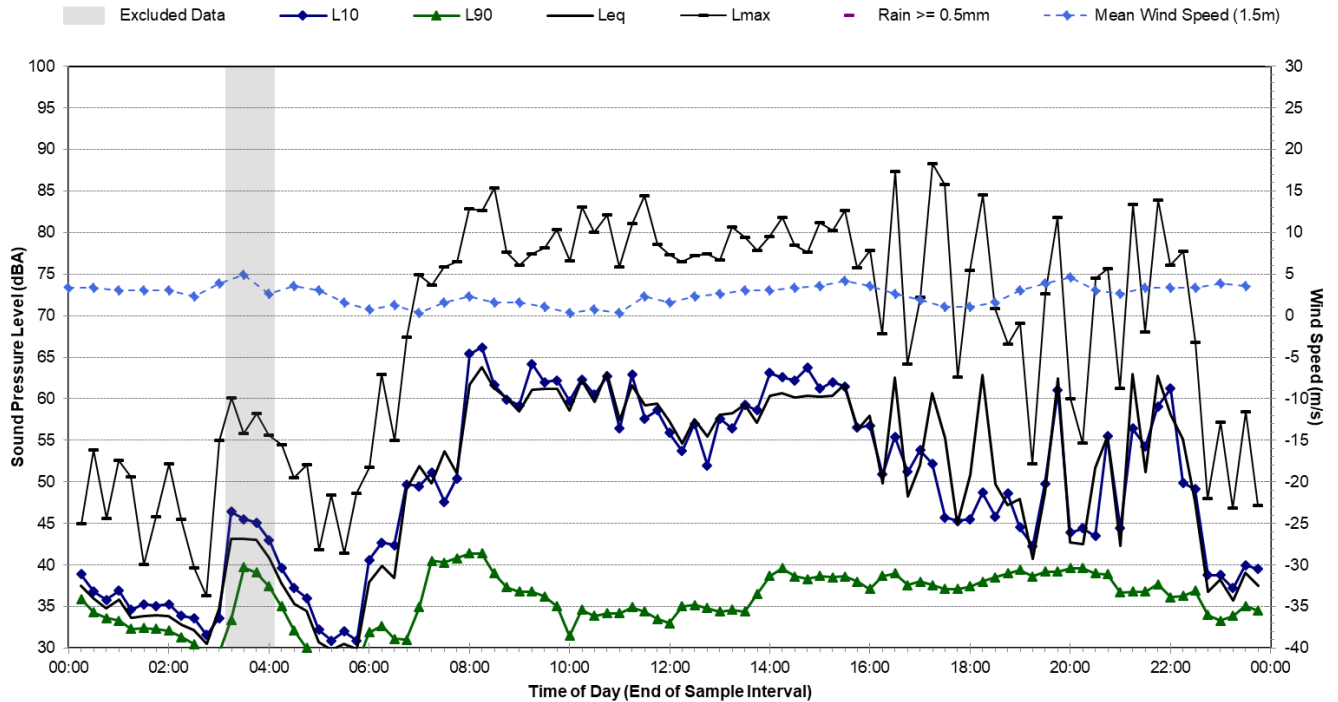
Statistical Ambient Noise Levels

11 Chapel St, Lilyfield - Saturday, 29 June 2019



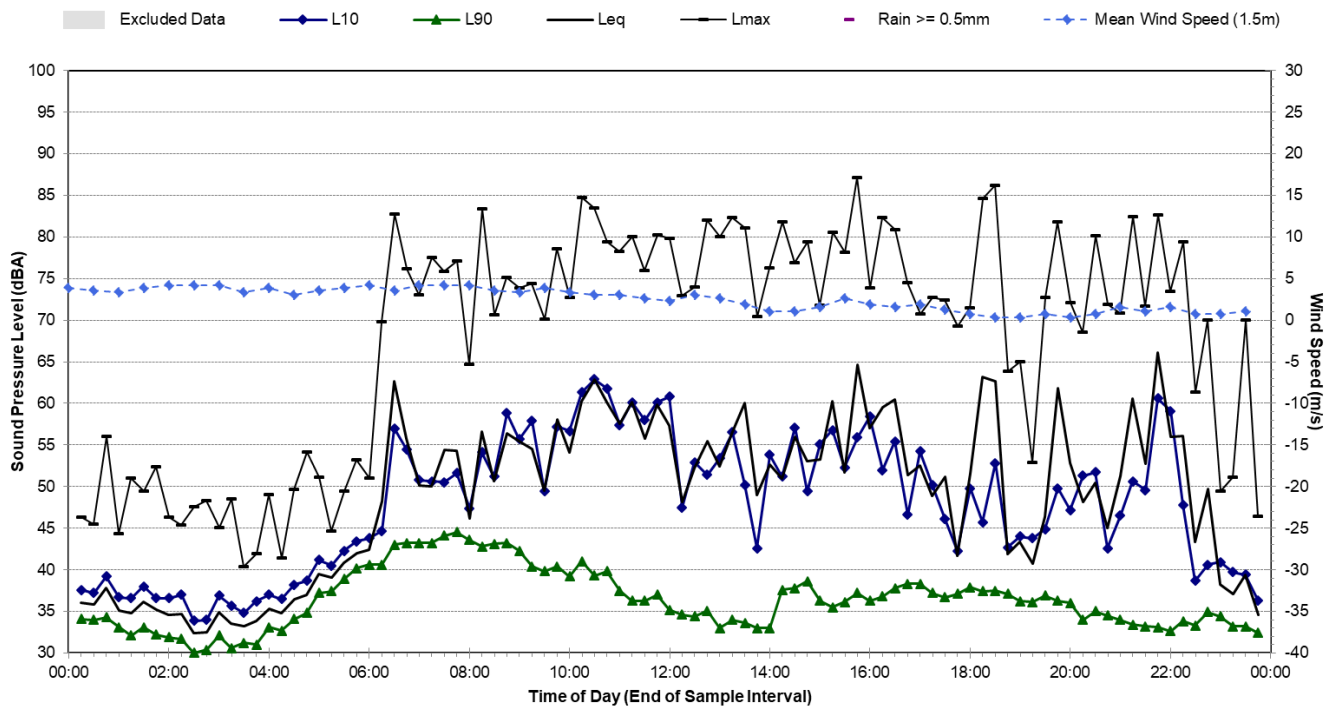
Statistical Ambient Noise Levels

11 Chapel St, Lilyfield - Sunday, 30 June 2019



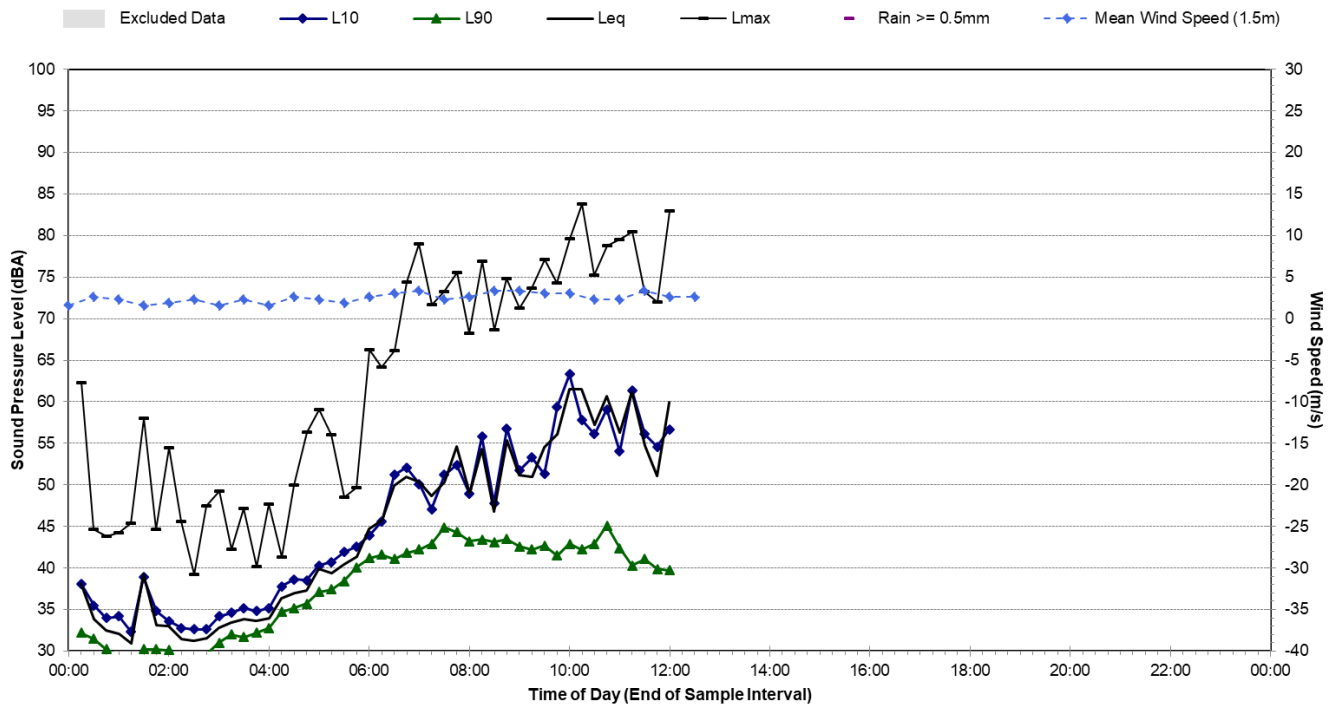
Statistical Ambient Noise Levels



11 Chapel St, Lilyfield - Monday, 1 July 2019



Statistical Ambient Noise Levels

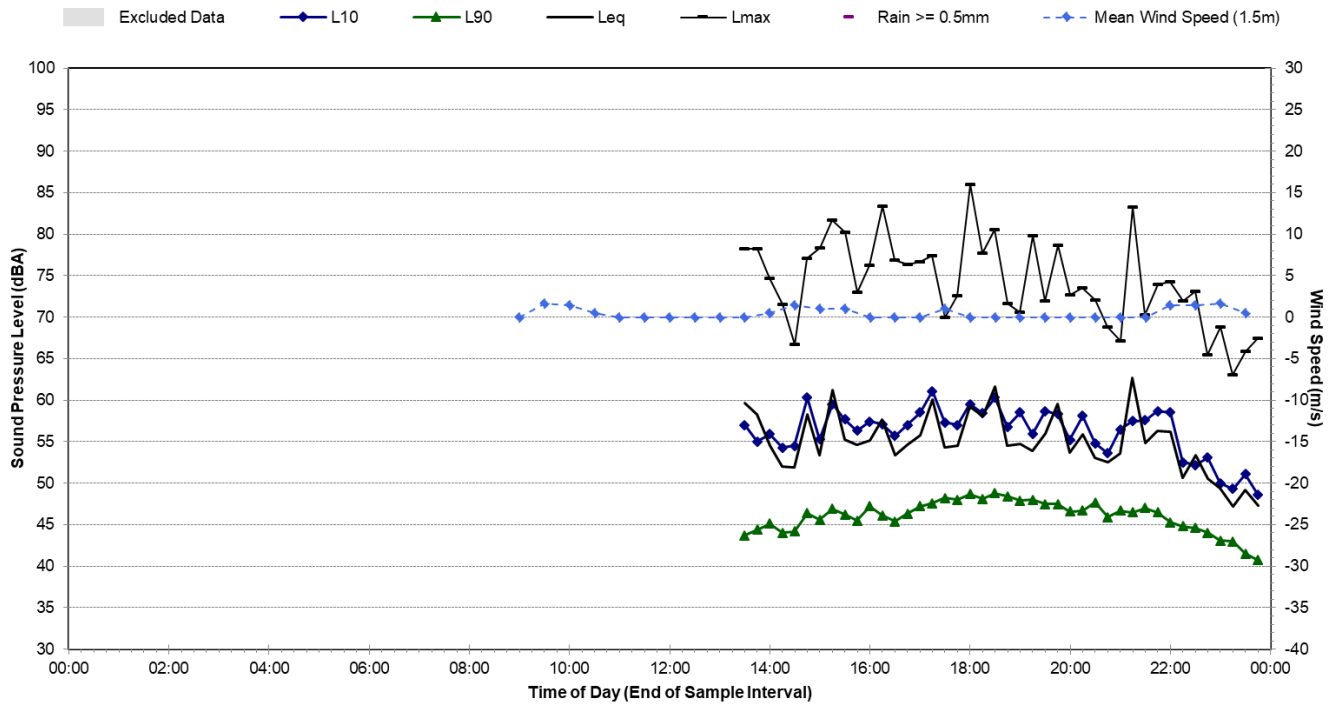
11 Chapel St, Lilyfield - Tuesday, 2 July 2019



Noise Monitoring Location		B.17				Map of Noise Monitoring Location	
Noise Monitoring Address		28 Crescent Street, Haberfield					
Logger Device Type: SVAN957, Logger Serial No: 23244 Sound Level Meter Device Type: Brüel and Kjær 2260, Sound Level Meter Serial No: 2487418							
Ambient noise logger located at 28 Crescent Street, Haberfield. Logger located with view of Crescent Street to the north, and Boomerang Street and City West Link to the west.							
Attended noise measurements indicate the ambient noise environment at this location is dominated by road traffic noise from Crescent Street to the north, and Boomerang Street and City West Link to the west. Aircraft noise also contributes to the measured levels.							
Measured noise levels (LAmax): 02/07/2019: Light-vehicle traffic Crescent Street: 60-67 dBA, Light-vehicle traffic Boomerang Street: 53-65 dBA, Light-vehicle traffic City West Link: 45-51 dBA, Heavy-vehicle traffic City West Link: 51-63 dBA, Birds: 50-62 dBA, Aircraft: 54-71 dBA							
Ambient Noise Logging Results ICNG Defined Time Periods							
Monitoring Period (12/06/2019 – 02/07/2019)		Noise Level (dBA)					
	RBL	LAeq	L10	L1			
Daytime	43	57	59	66			
Evening	45	57	59	66			
Night-time	37	51	49	55			
Ambient Noise Logging Results RNP Defined Time Periods							
Monitoring Period (12/06/2019 – 02/07/2019)		Noise Level (dBA)					
	LAeq(period)		LAeq(1hour)				
Daytime (7am-10pm)	57		61				
Night-time (10pm-7am)	51		58				
Attended Noise Measurement Results							
Date		Start Time		Measured Noise Level (dBA)			
		LA90	LAeq	LAmax			
02/07/2019	11:17	46	56	73			

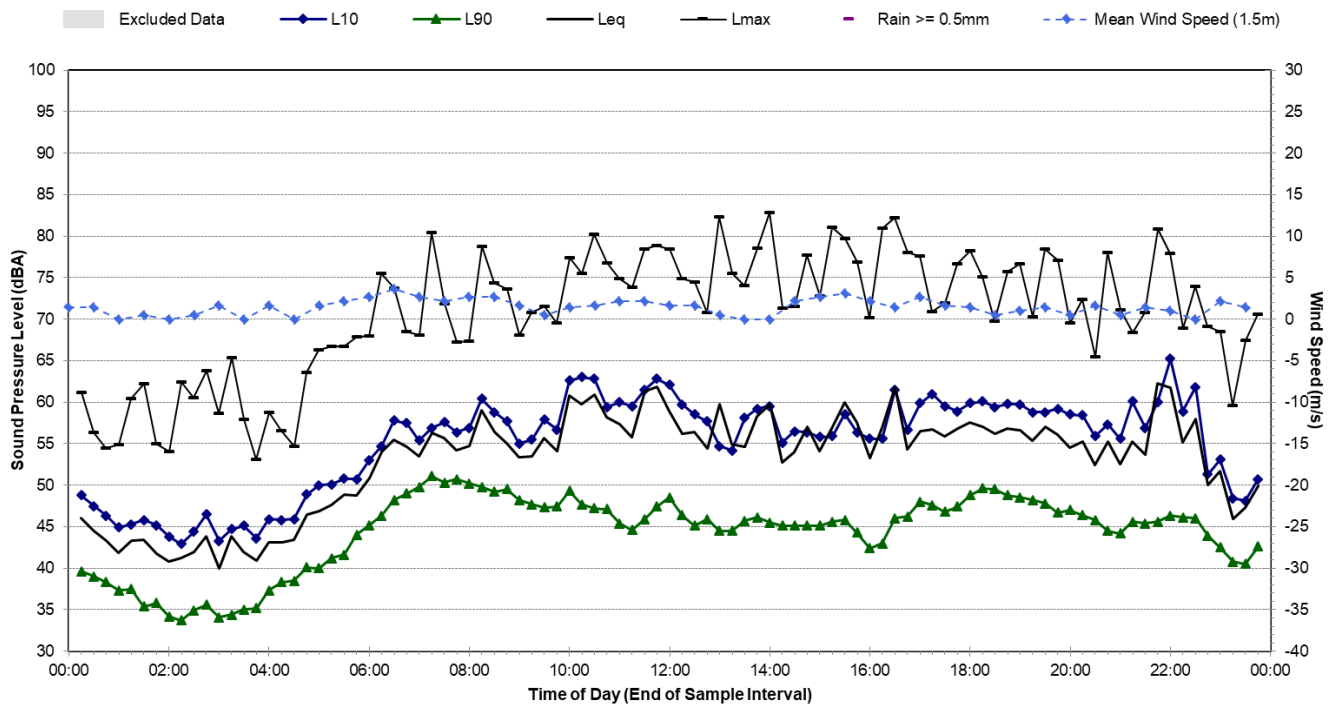
Statistical Ambient Noise Levels

28 Crescent St, Haberfield - Wednesday, 12 June 2019



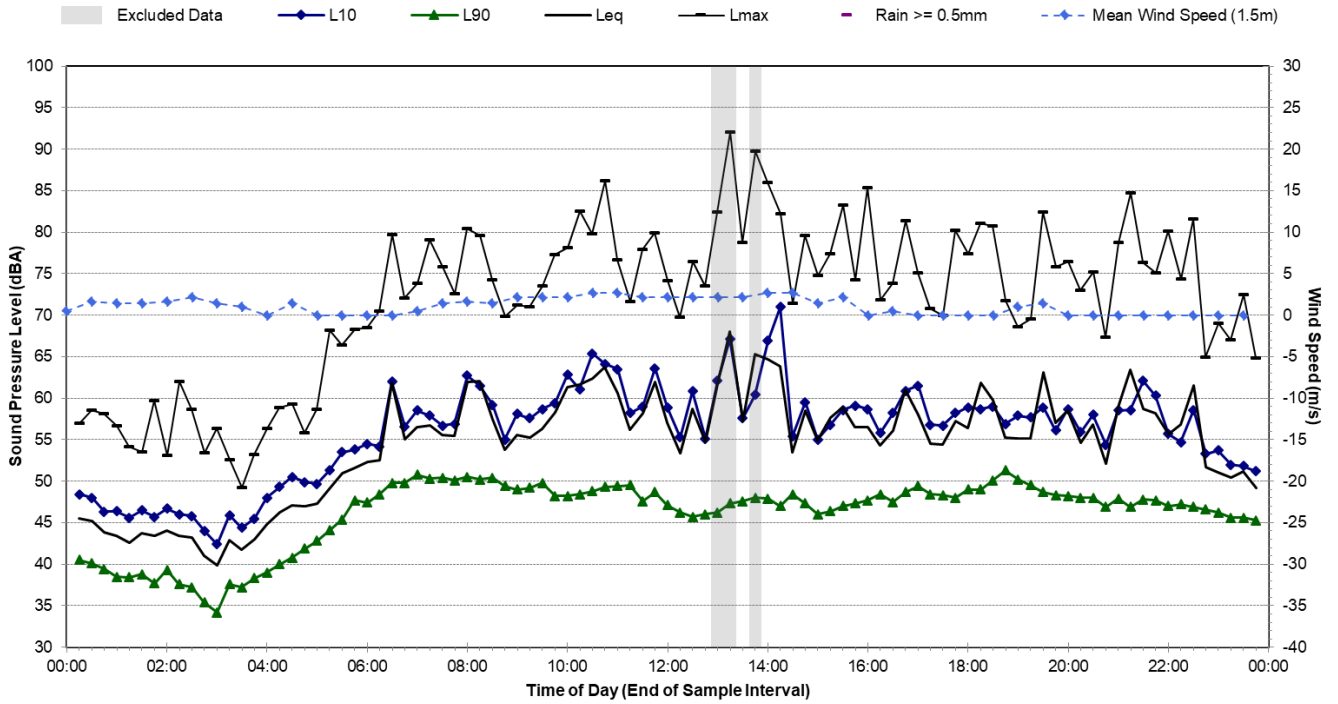
Statistical Ambient Noise Levels

28 Crescent St, Haberfield - Thursday, 13 June 2019



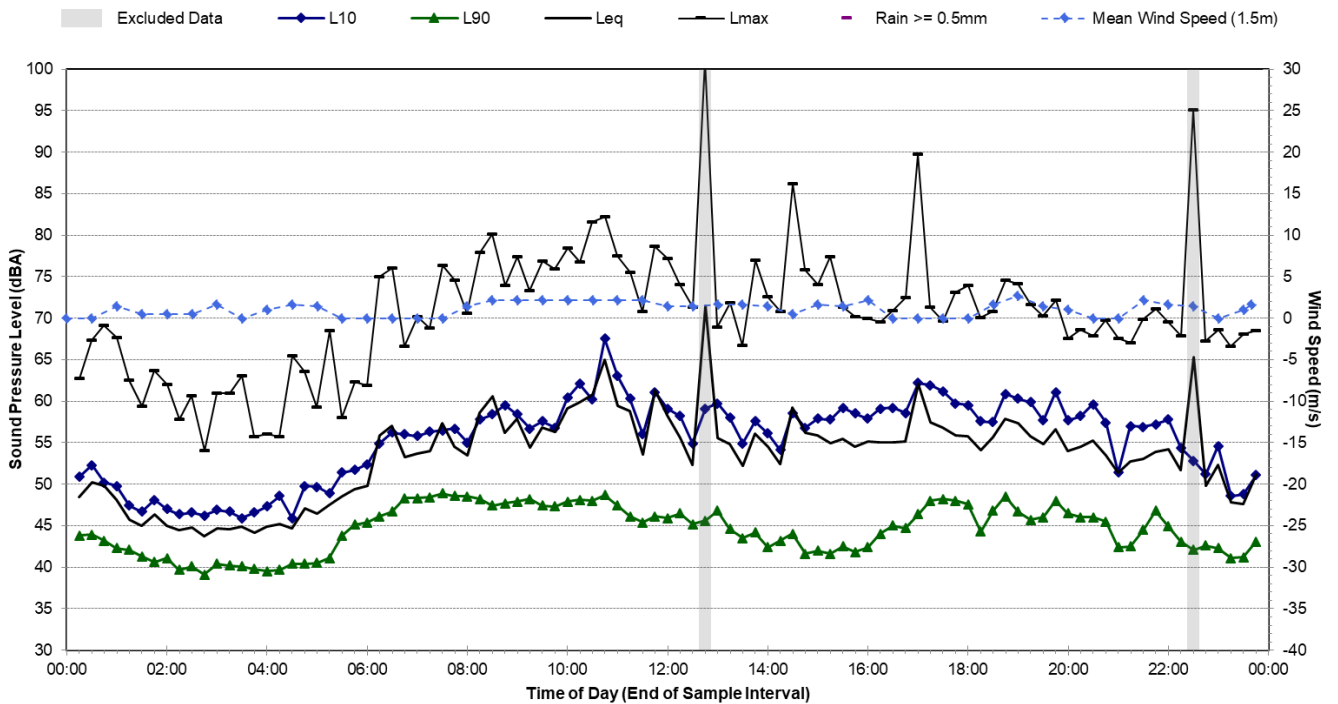
Statistical Ambient Noise Levels

28 Crescent St, Haberfield - Friday, 14 June 2019

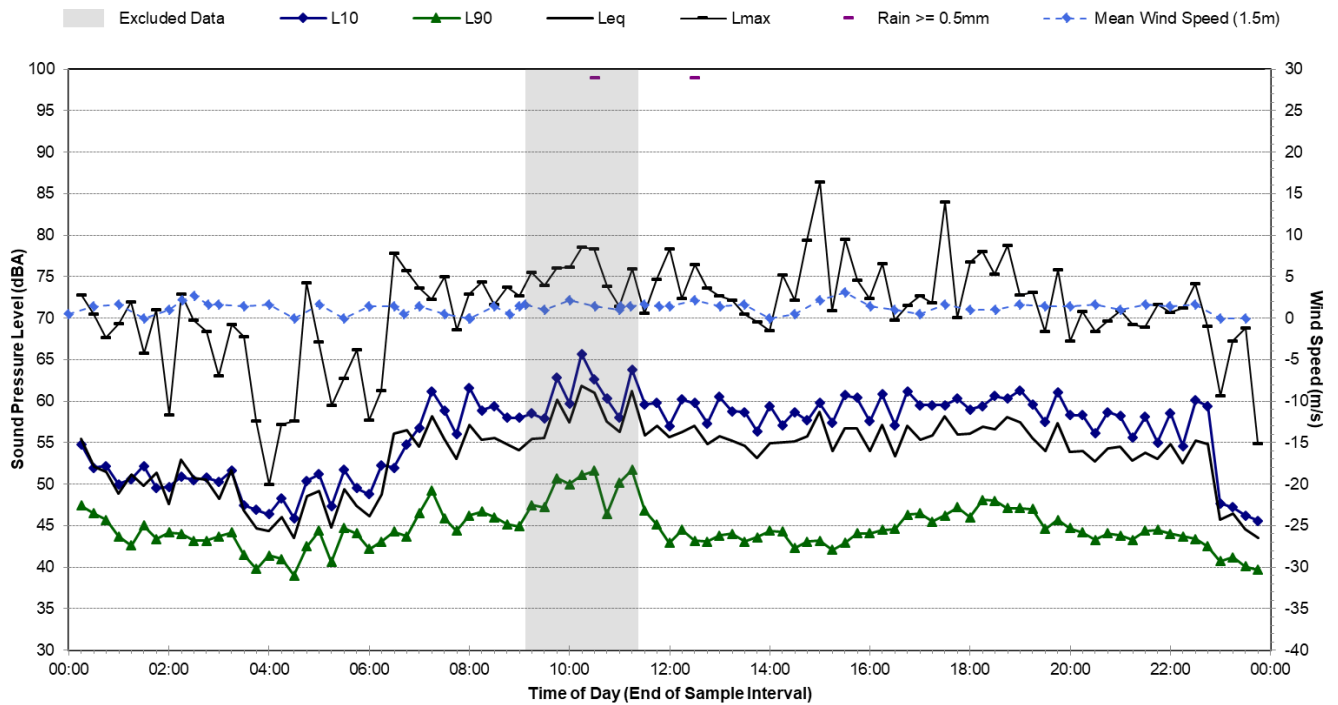


Statistical Ambient Noise Levels

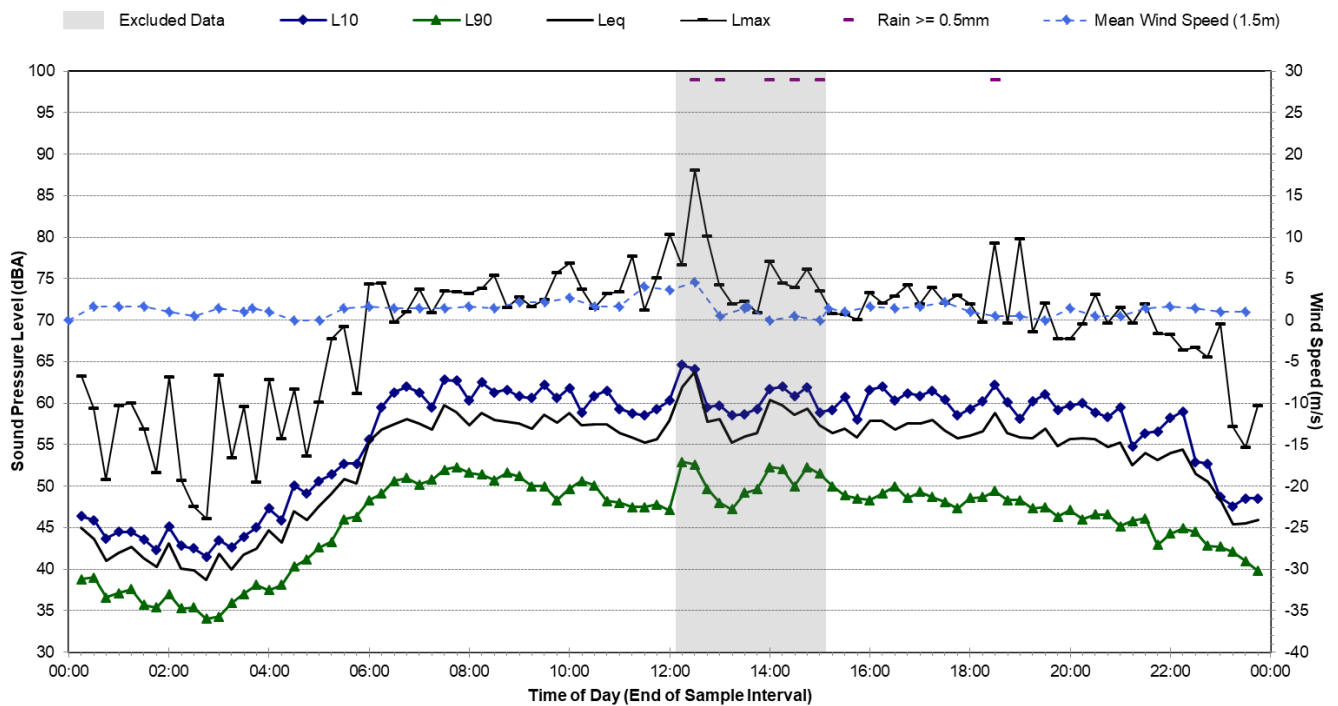
28 Crescent St, Haberfield - Saturday, 15 June 2019



Statistical Ambient Noise Levels 28 Crescent St, Haberfield - Sunday, 16 June 2019

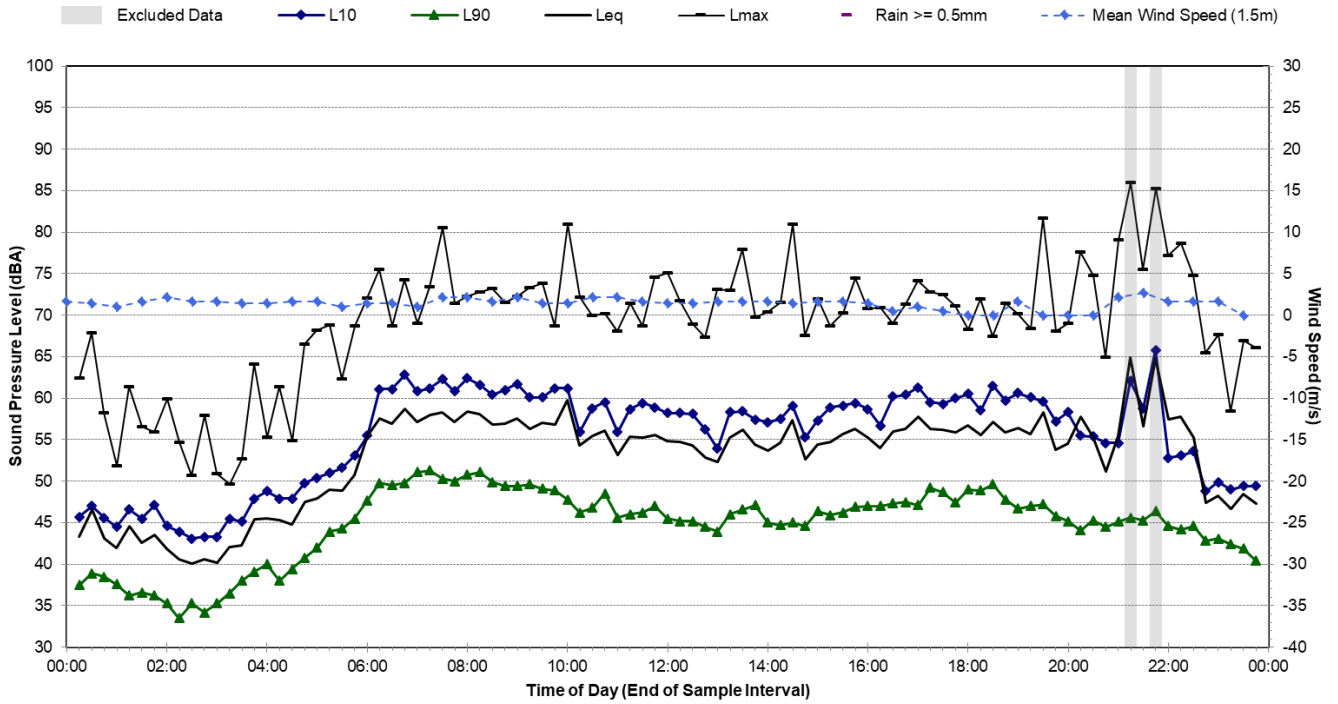


Statistical Ambient Noise Levels 28 Crescent St, Haberfield - Monday, 17 June 2019



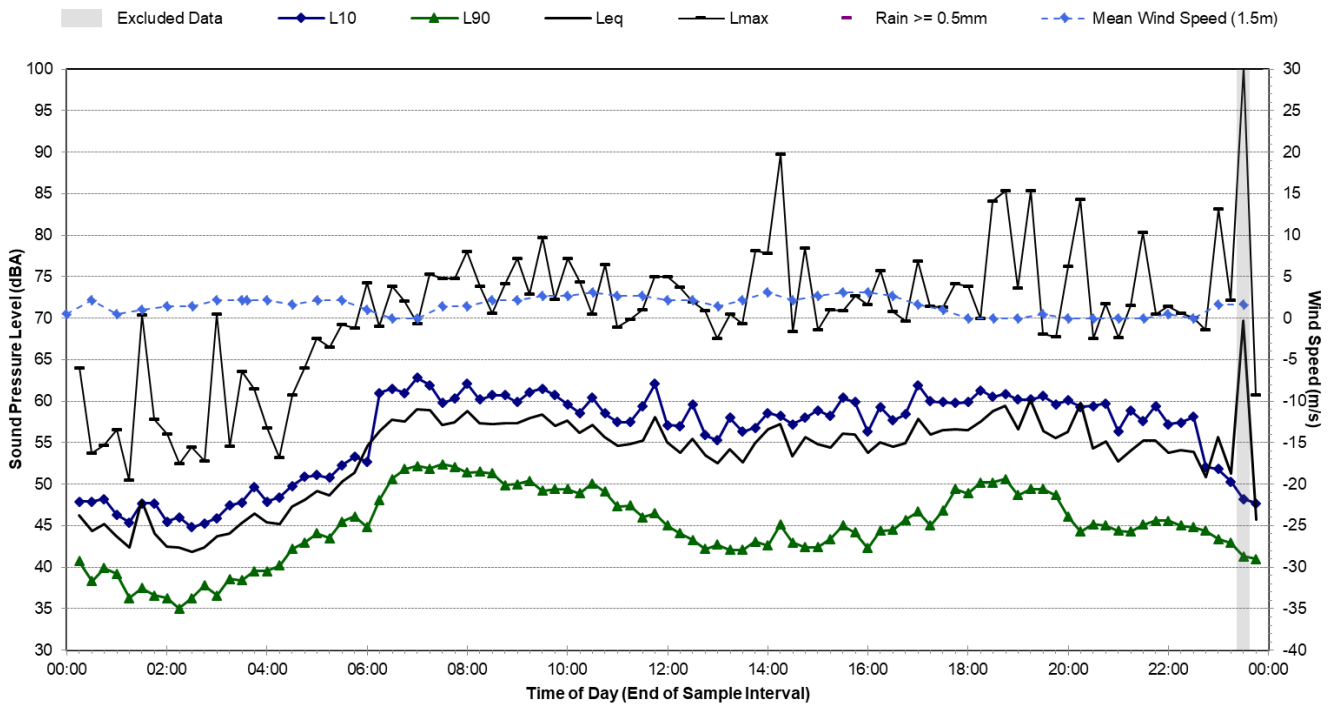
Statistical Ambient Noise Levels

28 Crescent St, Haberfield - Tuesday, 18 June 2019



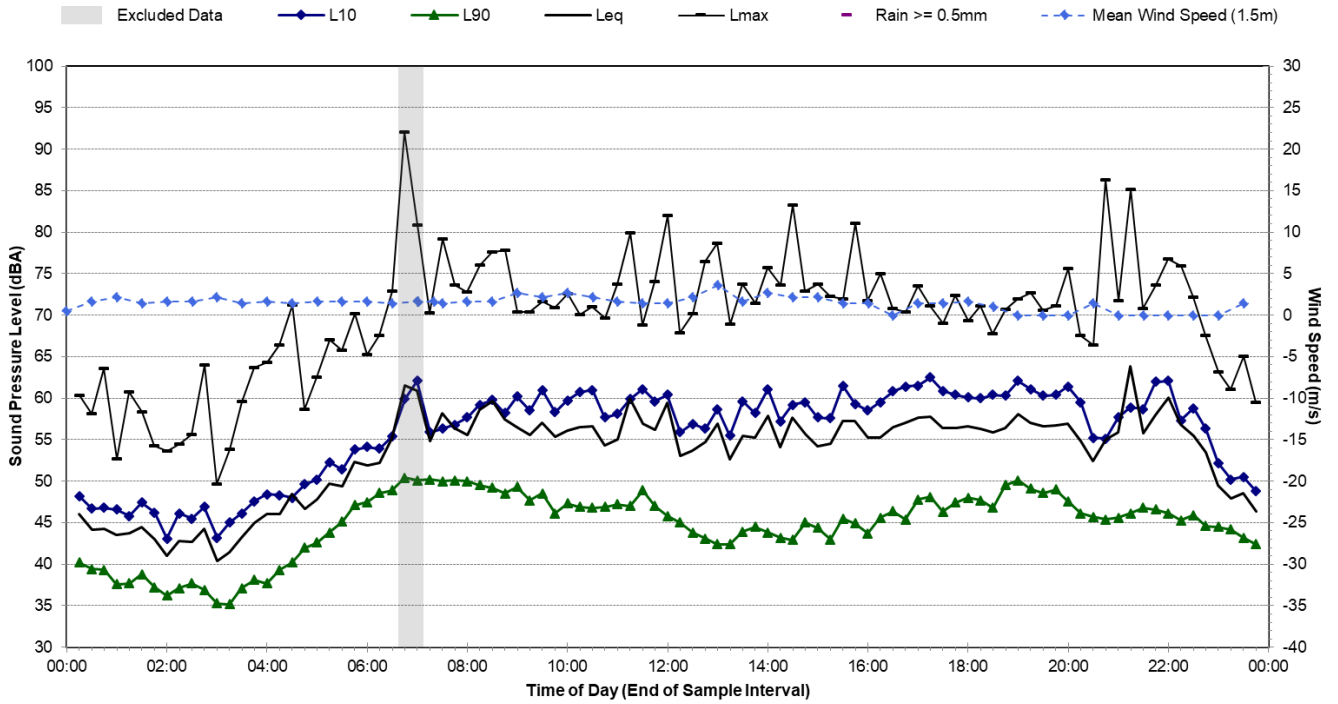
Statistical Ambient Noise Levels

28 Crescent St, Haberfield - Wednesday, 19 June 2019



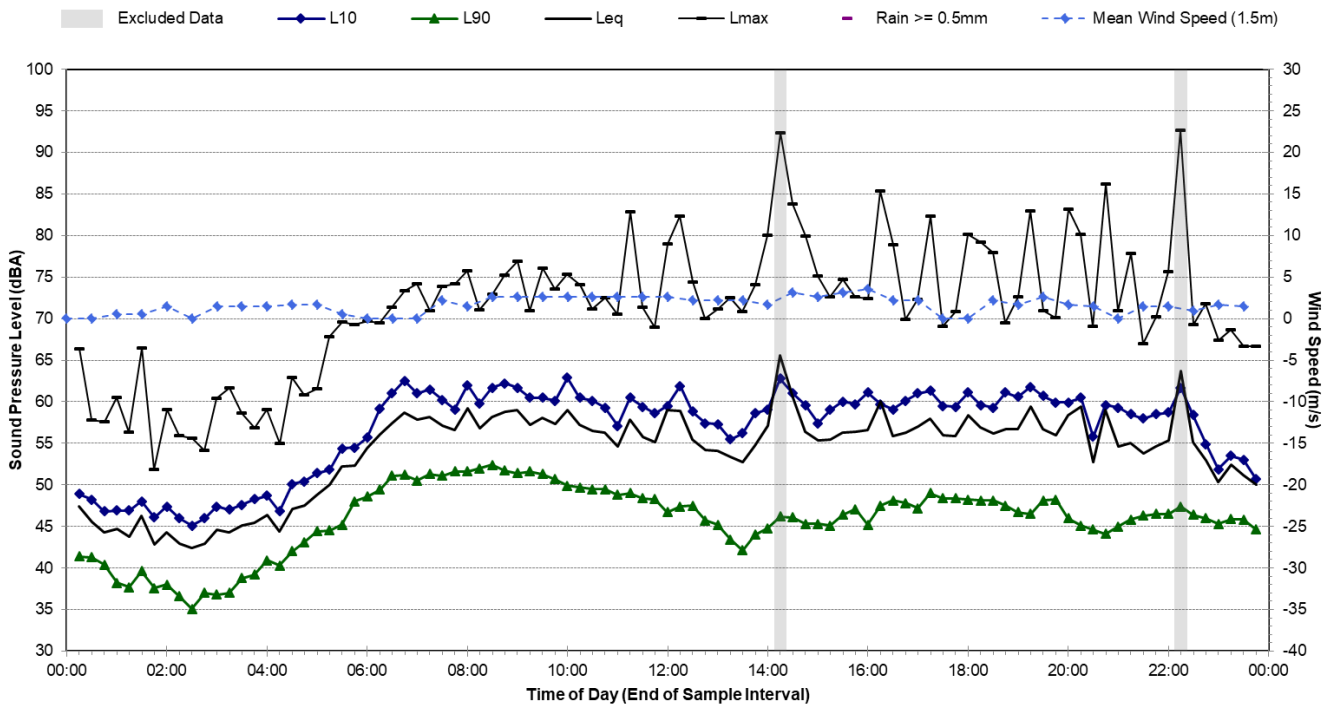
Statistical Ambient Noise Levels

28 Crescent St, Haberfield - Thursday, 20 June 2019



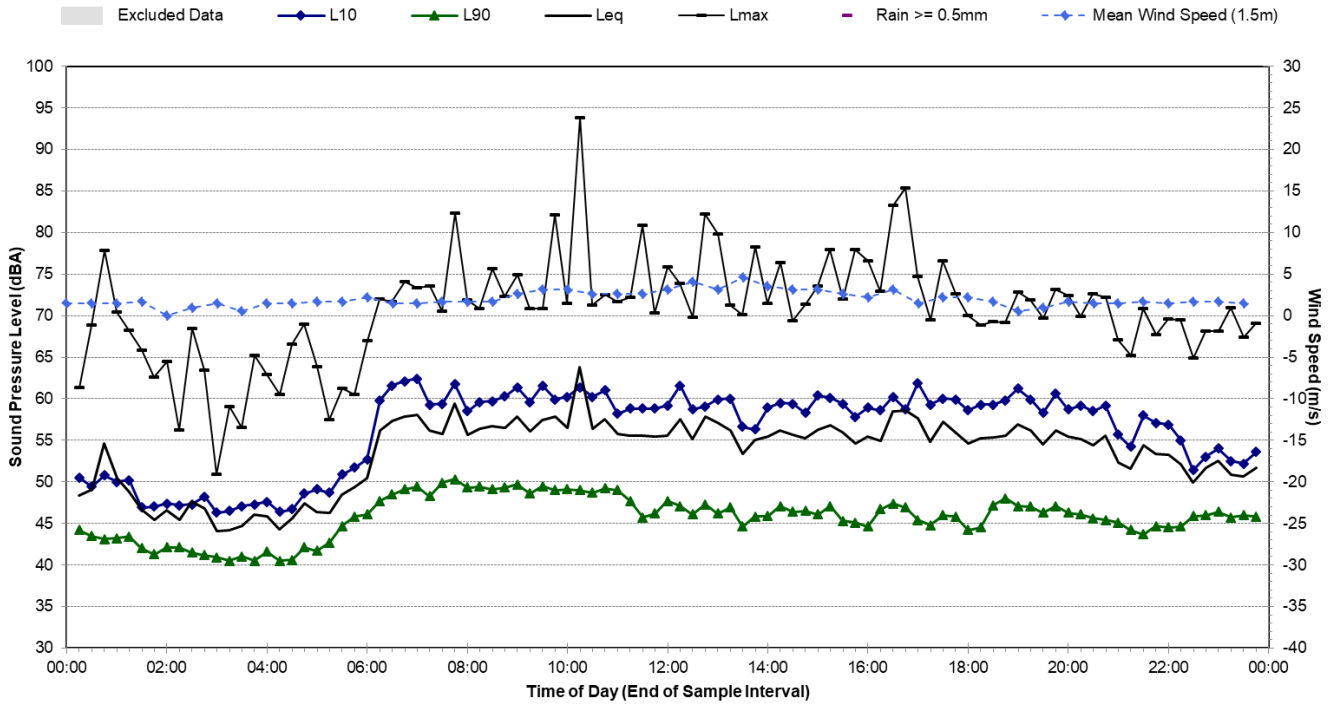
Statistical Ambient Noise Levels

28 Crescent St, Haberfield - Friday, 21 June 2019



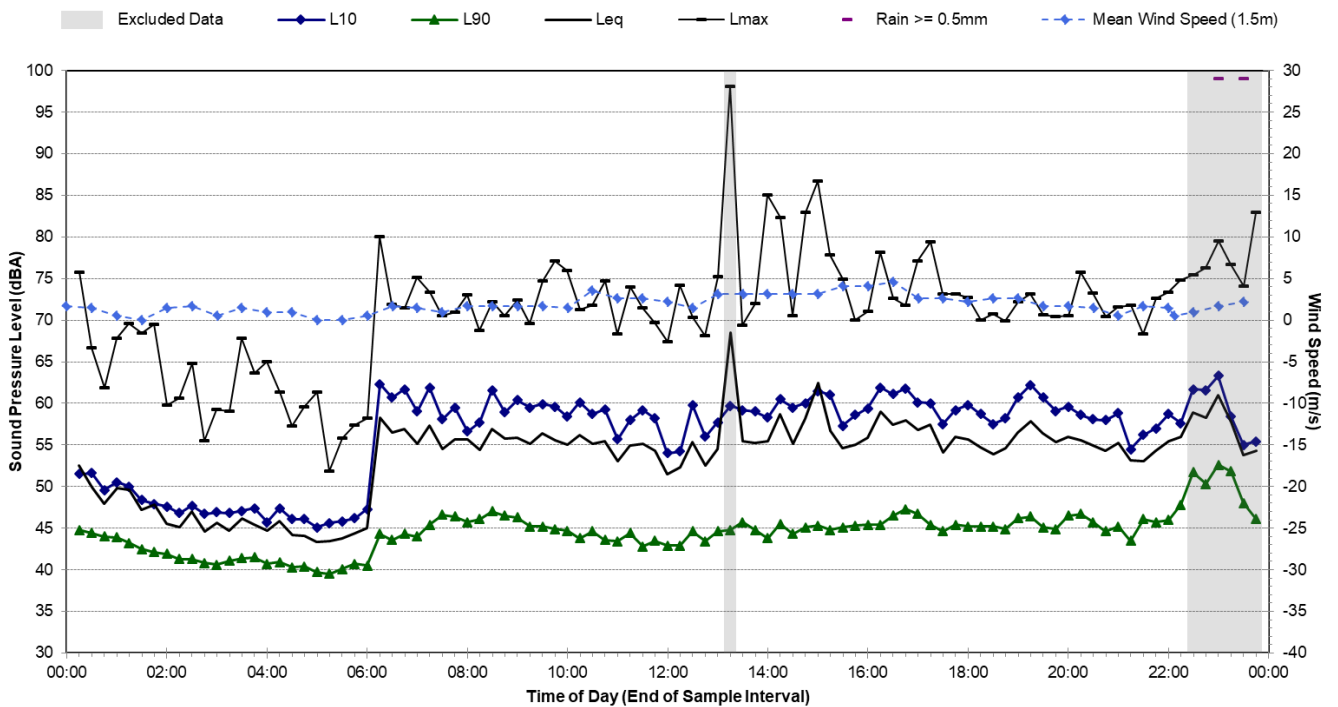
Statistical Ambient Noise Levels

28 Crescent St, Haberfield - Saturday, 22 June 2019



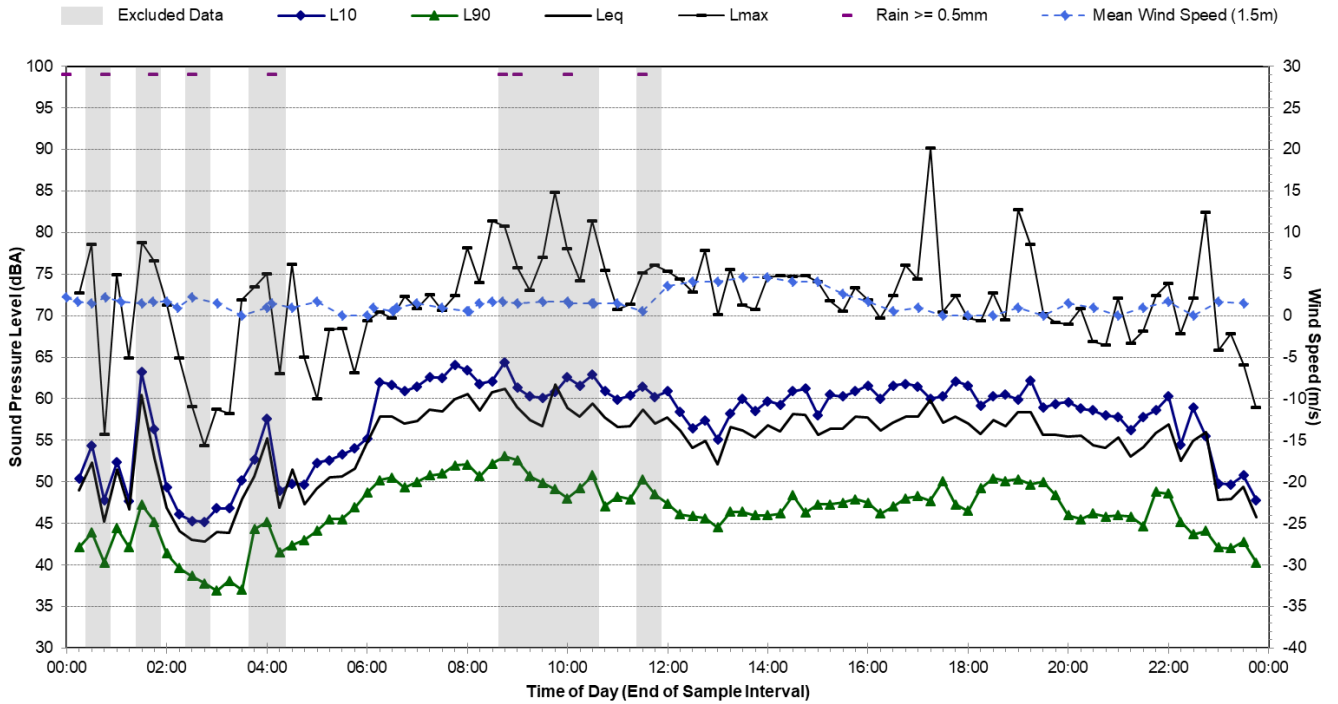
Statistical Ambient Noise Levels

28 Crescent St, Haberfield - Sunday, 23 June 2019



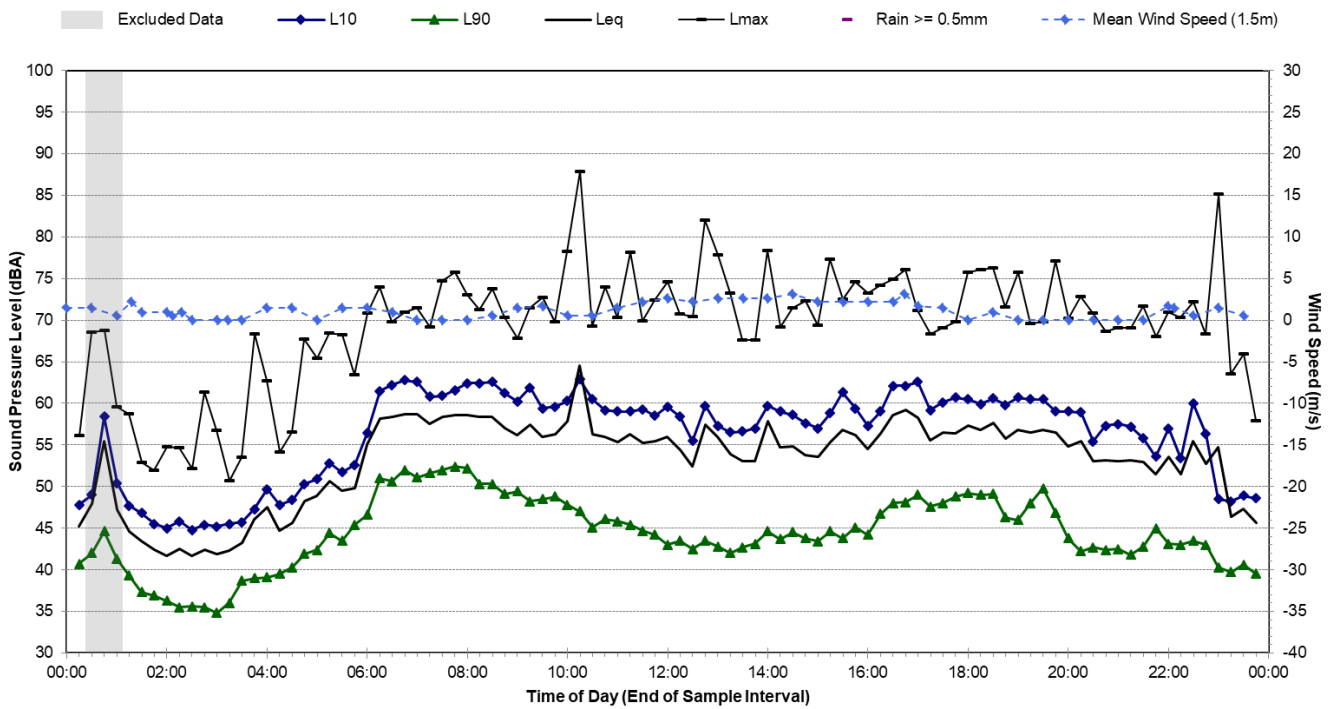
Statistical Ambient Noise Levels

28 Crescent St, Haberfield - Monday, 24 June 2019



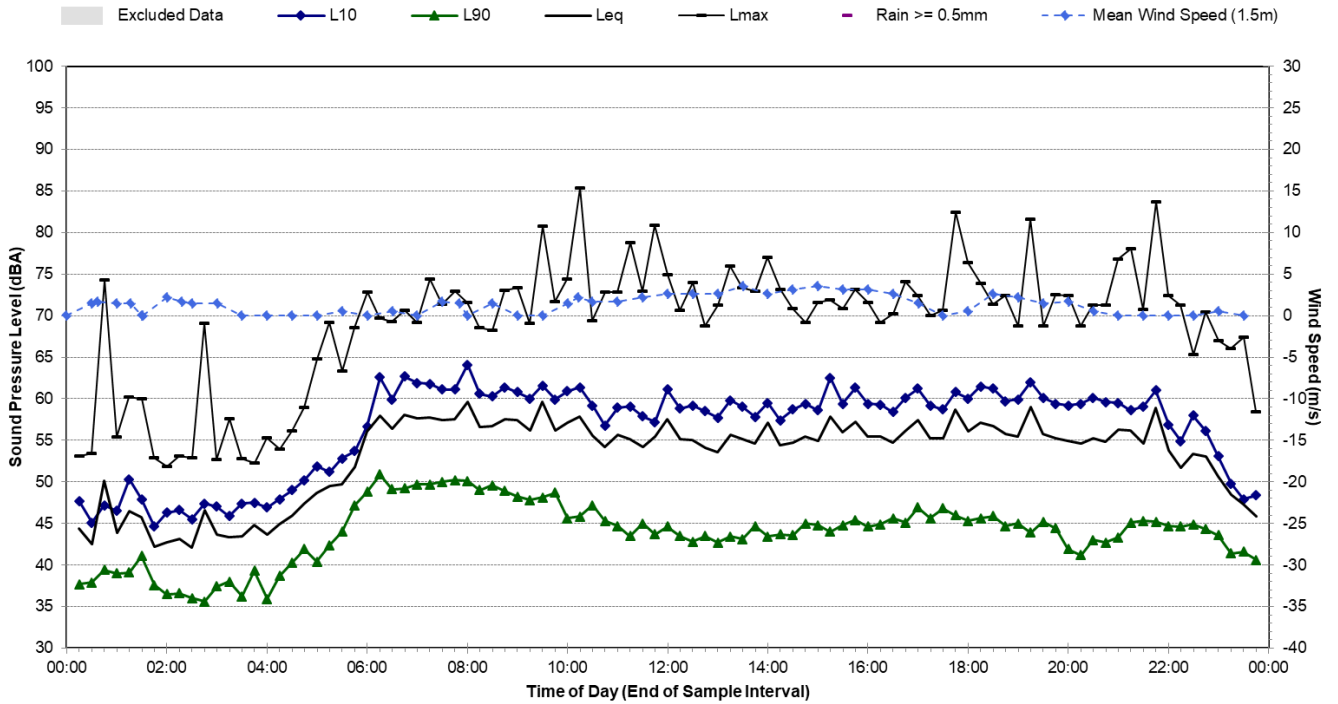
Statistical Ambient Noise Levels

28 Crescent St, Haberfield - Tuesday, 25 June 2019



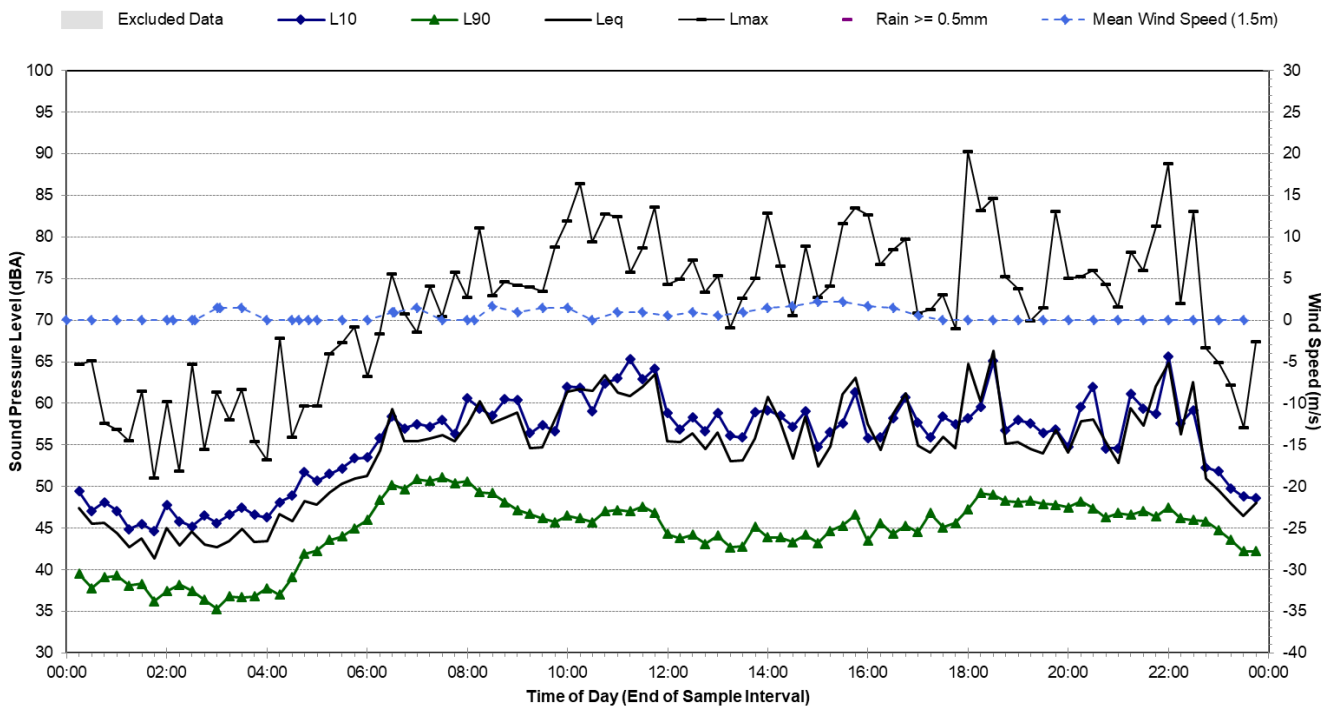
Statistical Ambient Noise Levels

28 Crescent St, Haberfield - Wednesday, 26 June 2019



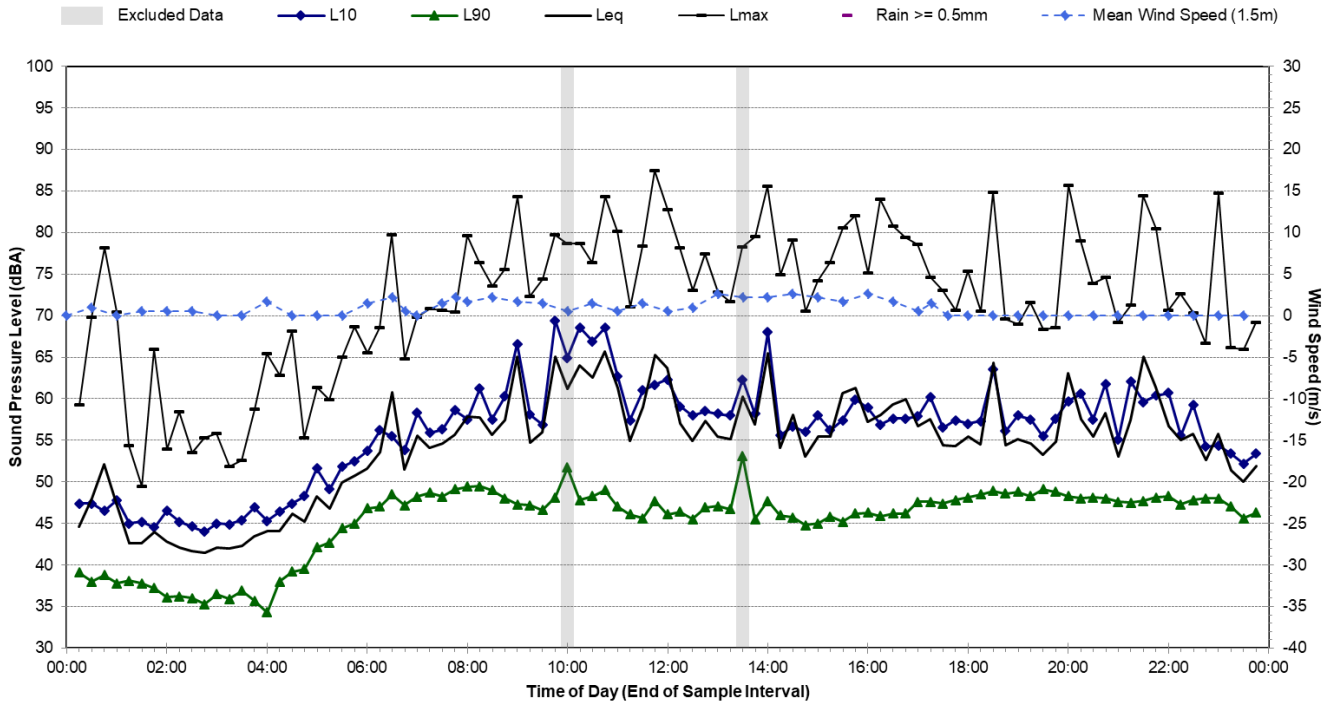
Statistical Ambient Noise Levels

28 Crescent St, Haberfield - Thursday, 27 June 2019



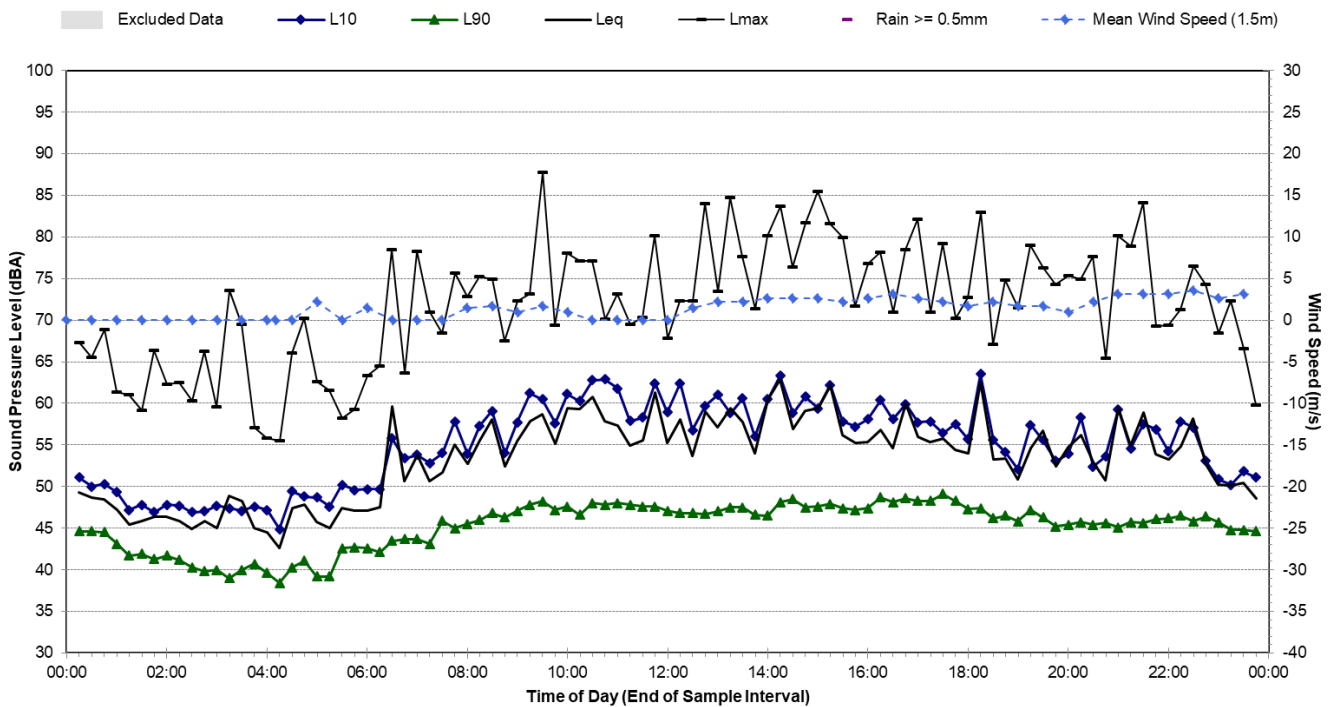
Statistical Ambient Noise Levels

28 Crescent St, Haberfield - Friday, 28 June 2019



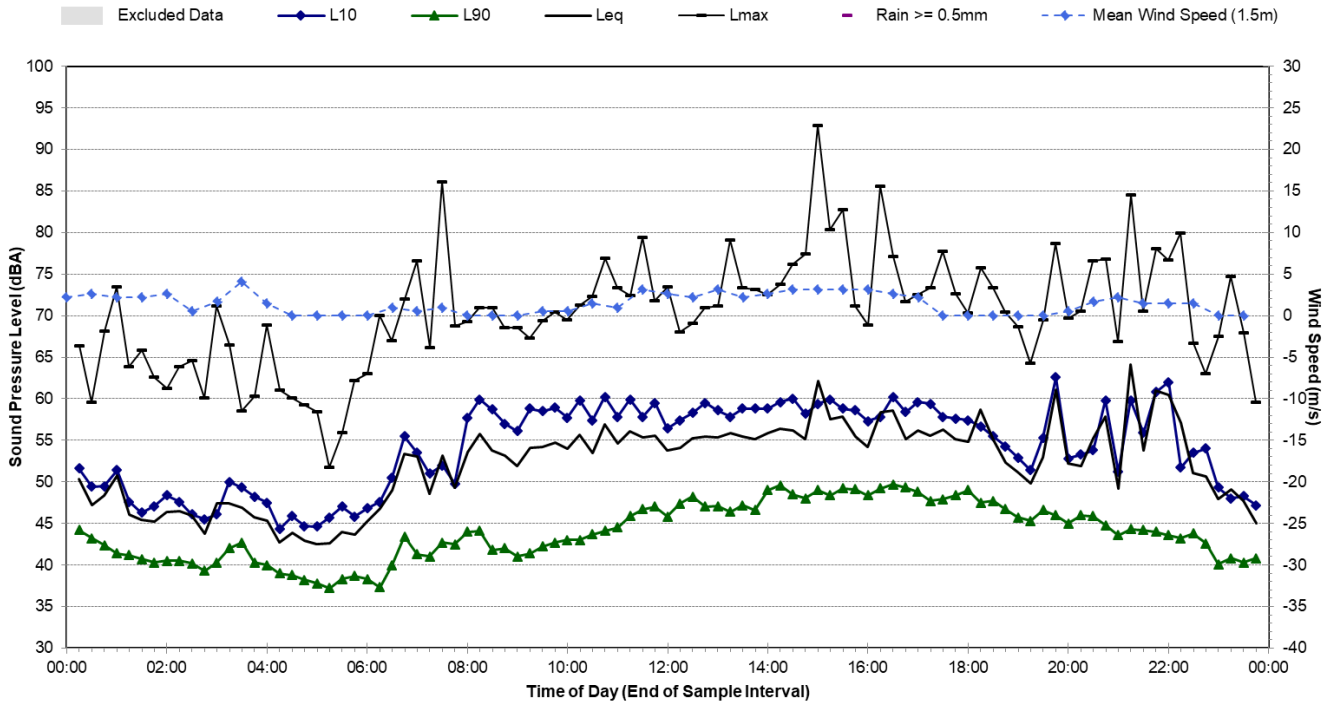
Statistical Ambient Noise Levels

28 Crescent St, Haberfield - Saturday, 29 June 2019



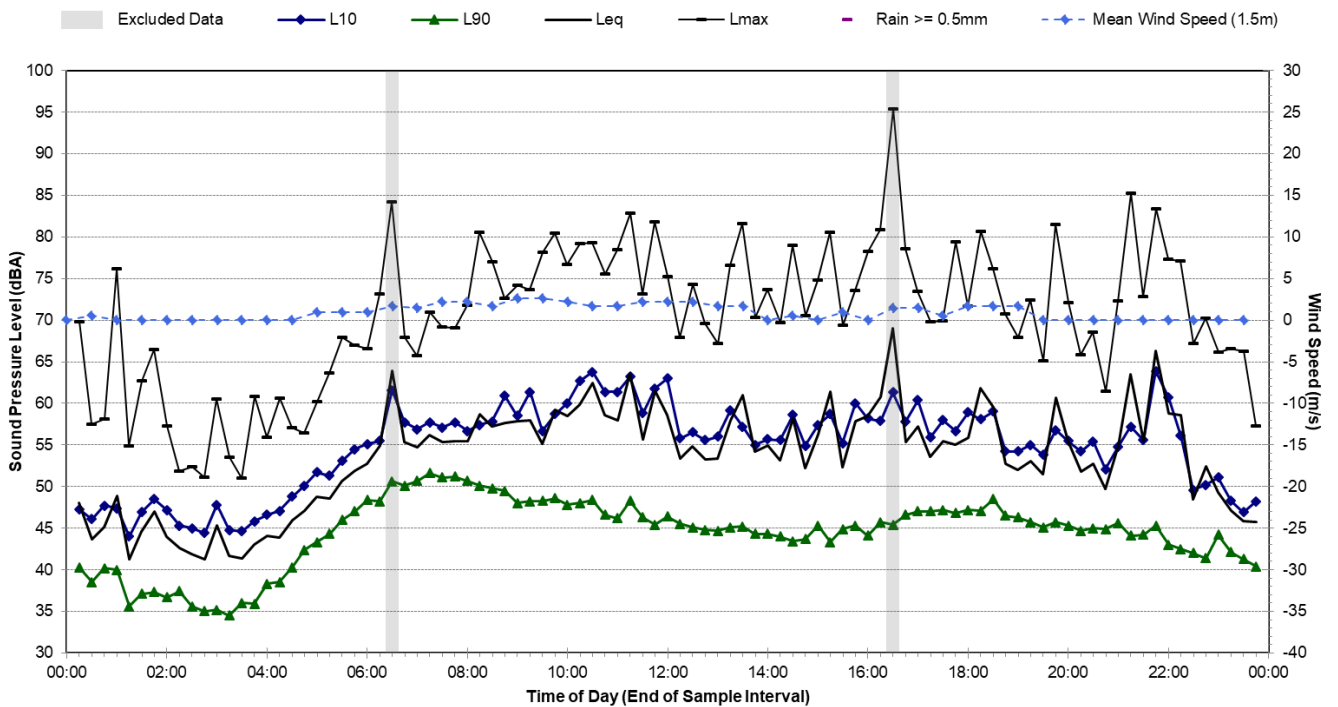
Statistical Ambient Noise Levels

28 Crescent St, Haberfield - Sunday, 30 June 2019



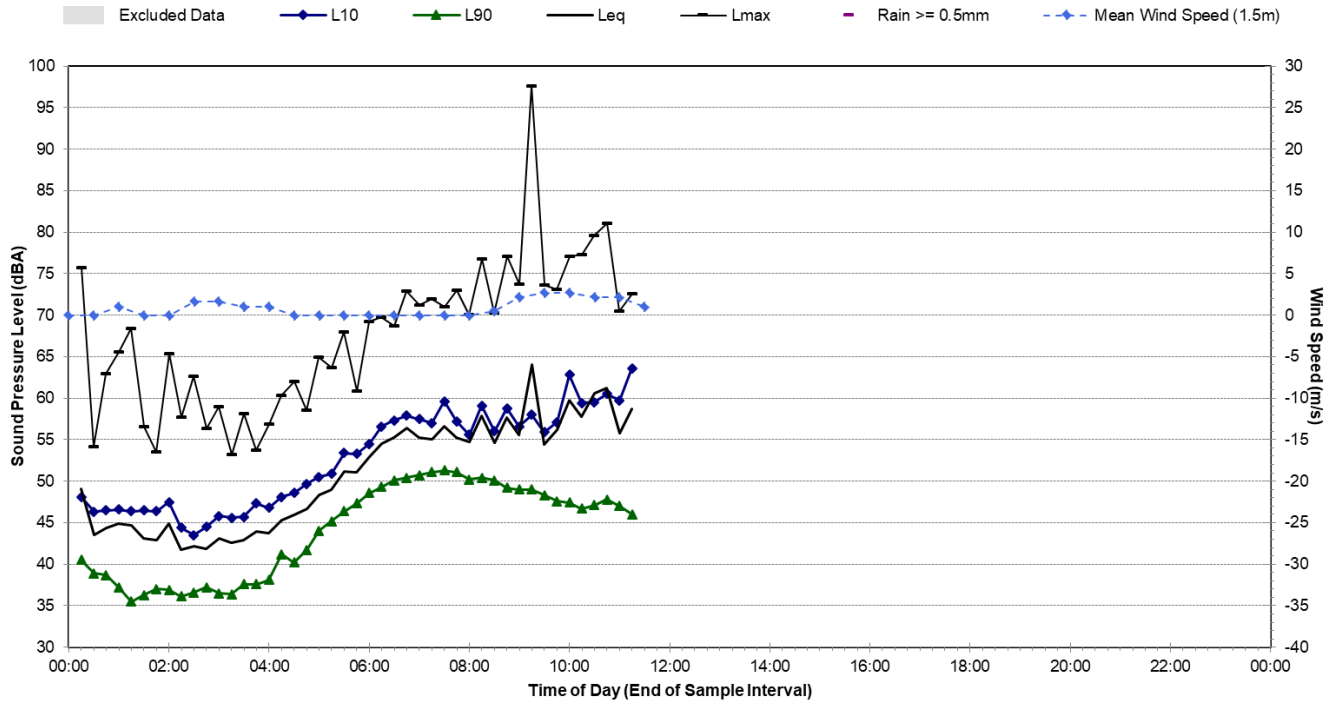
Statistical Ambient Noise Levels

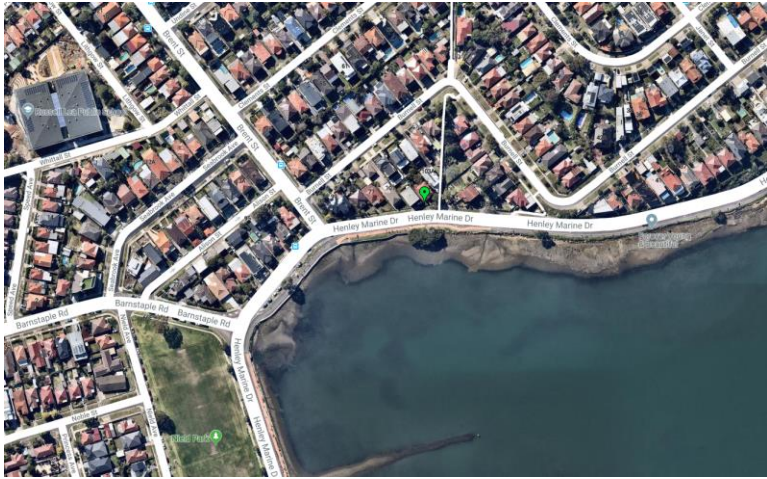

28 Crescent St, Haberfield - Monday, 1 July 2019



Statistical Ambient Noise Levels

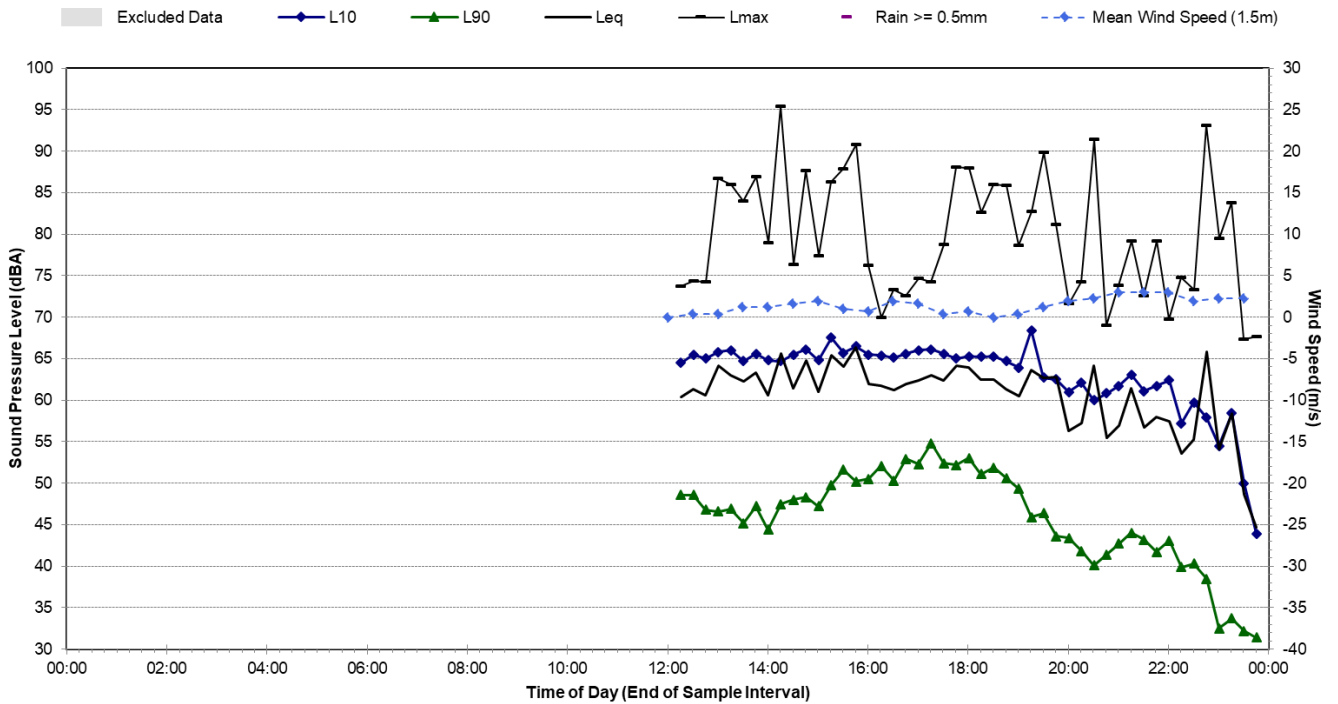
28 Crescent St, Haberfield - Tuesday, 2 July 2019



Noise Monitoring Location	B.18				
Noise Monitoring Address	102 Henley Marine Drive, Russell Lea				
Logger Device Type: SVAN957, Logger Serial No: 23816 Sound Level Meter Device Type: Brüel and Kjær 2260, Sound Level Meter Serial No: 2487418					
Ambient noise logger located at 102 Henley Marine Drive, Russell Lea. Logger located with view of Henley Marine Drive to the south, and Brent Street to the west.					
Attended noise measurements indicate the ambient noise environment at this location is dominated by road traffic noise from Henley Marine Drive to the south and Brent Street to the west. Aircraft noise also contributes to the measured levels.					
Measured noise levels (LAmax): 12/06/2019: Light-vehicle traffic Henley Marine Drive: 64-79 dBA, Heavy-vehicle traffic Henley Marine Drive: 68-73 dBA, Heavy-vehicle traffic Brent Street: 53-55 dBA, Birds: 50-78 dBA, Pedestrians: 50-62 dBA, Aircraft: 54-71 dBA					
Ambient Noise Logging Results ICNG Defined Time Periods					
Monitoring Period (12/06/2019 – 02/07/2019)	Noise Level (dBA)				
	RBL	LAeq	L10	L1	
	Daytime	48	64	66	
	Evening	45	61	64	69
Night-time	37	55	47	63	
Ambient Noise Logging Results RNP Defined Time Periods					
Monitoring Period (12/06/2019 – 02/07/2019)	Noise Level (dBA)				
	LAeq(period)		LAeq(1hour)		
	Daytime (7am-10pm)	63		67	
Night-time (10pm-7am)	56		64		
Attended Noise Measurement Results					
Date	Start Time	Measured Noise Level (dBA)			
		LA90	LAeq	LAmax	
12/06/2019	11:33	47	61	79	

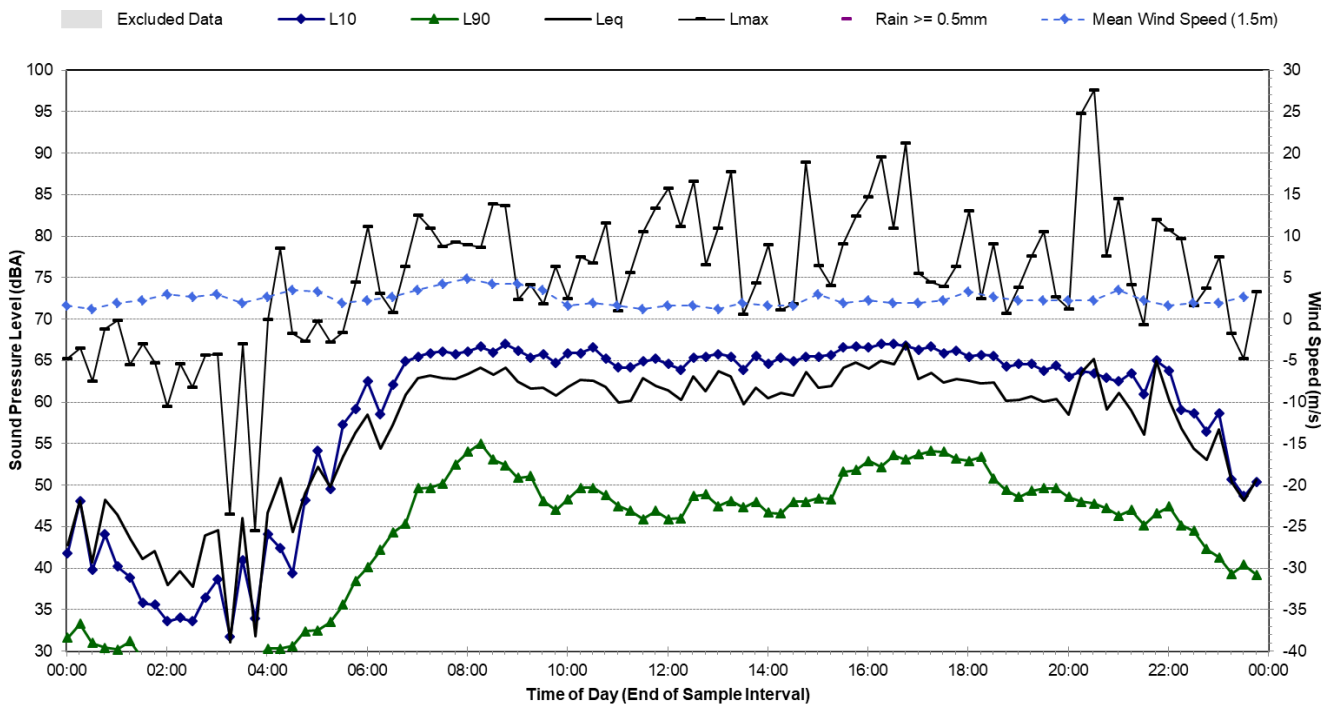
Statistical Ambient Noise Levels

102 Henly Marine Dr, Russell Lea - Wednesday, 12 June 2019



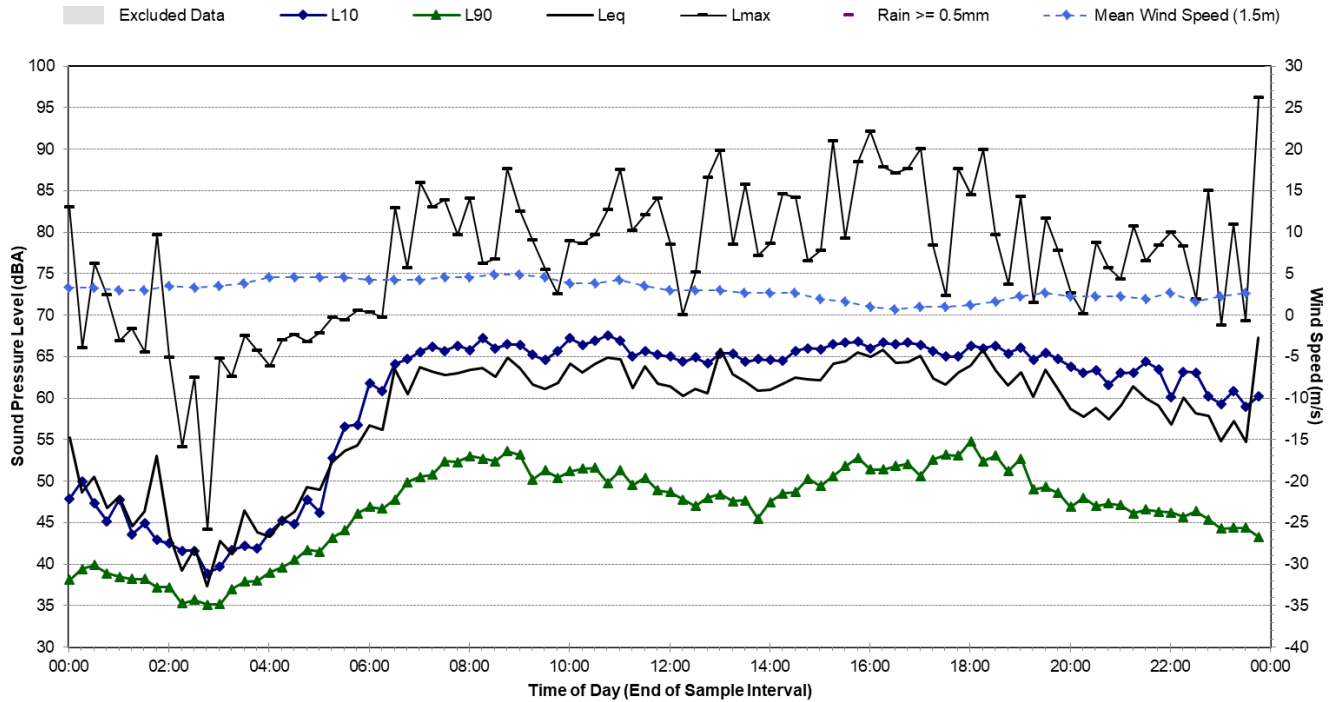
Statistical Ambient Noise Levels

102 Henly Marine Dr, Russell Lea - Thursday, 13 June 2019



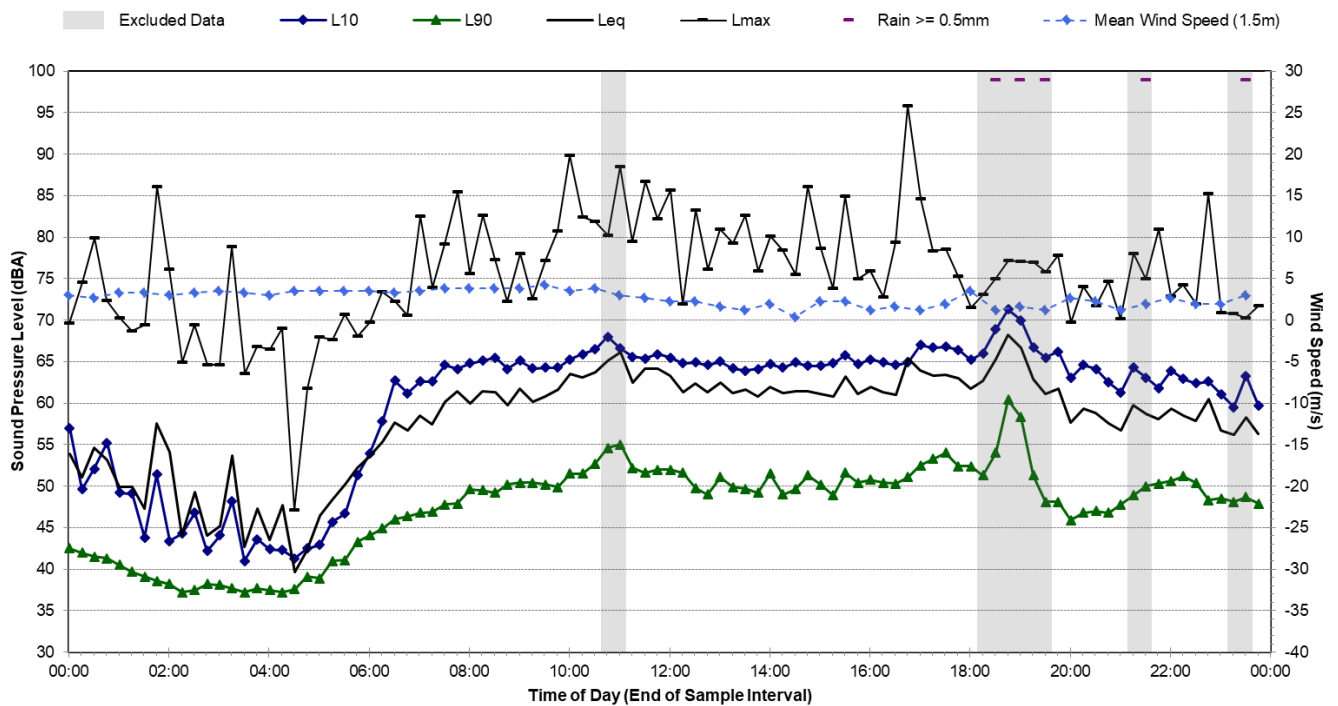
Statistical Ambient Noise Levels

102 Henly Marine Dr, Russell Lea - Friday, 14 June 2019



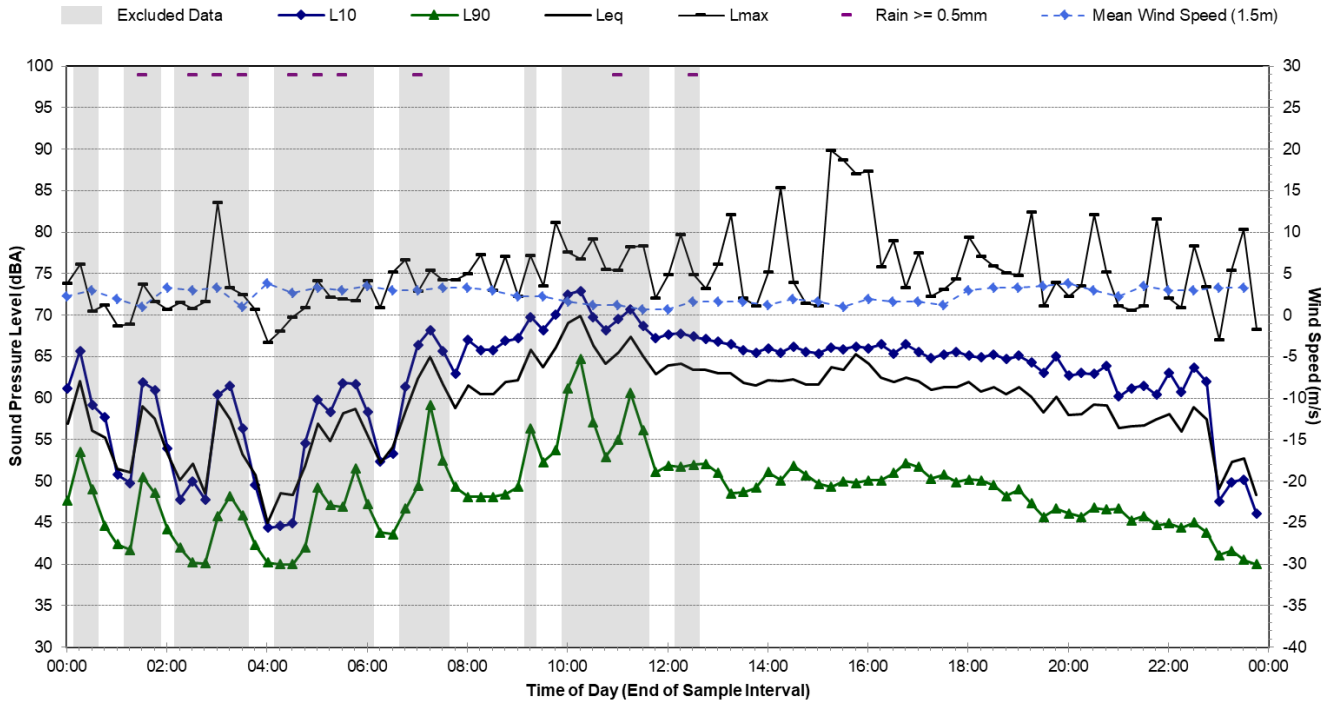
Statistical Ambient Noise Levels

102 Henly Marine Dr, Russell Lea - Saturday, 15 June 2019



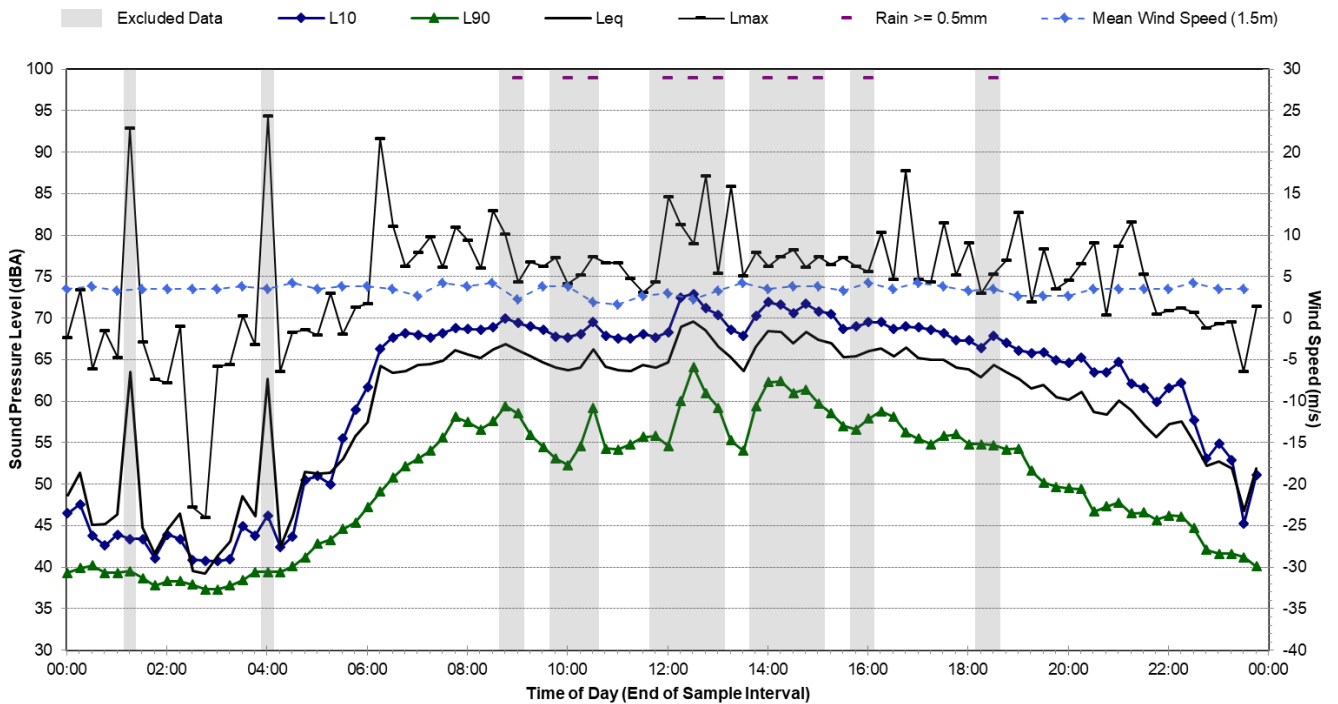
Statistical Ambient Noise Levels

102 Henly Marine Dr, Russell Lea - Sunday, 16 June 2019



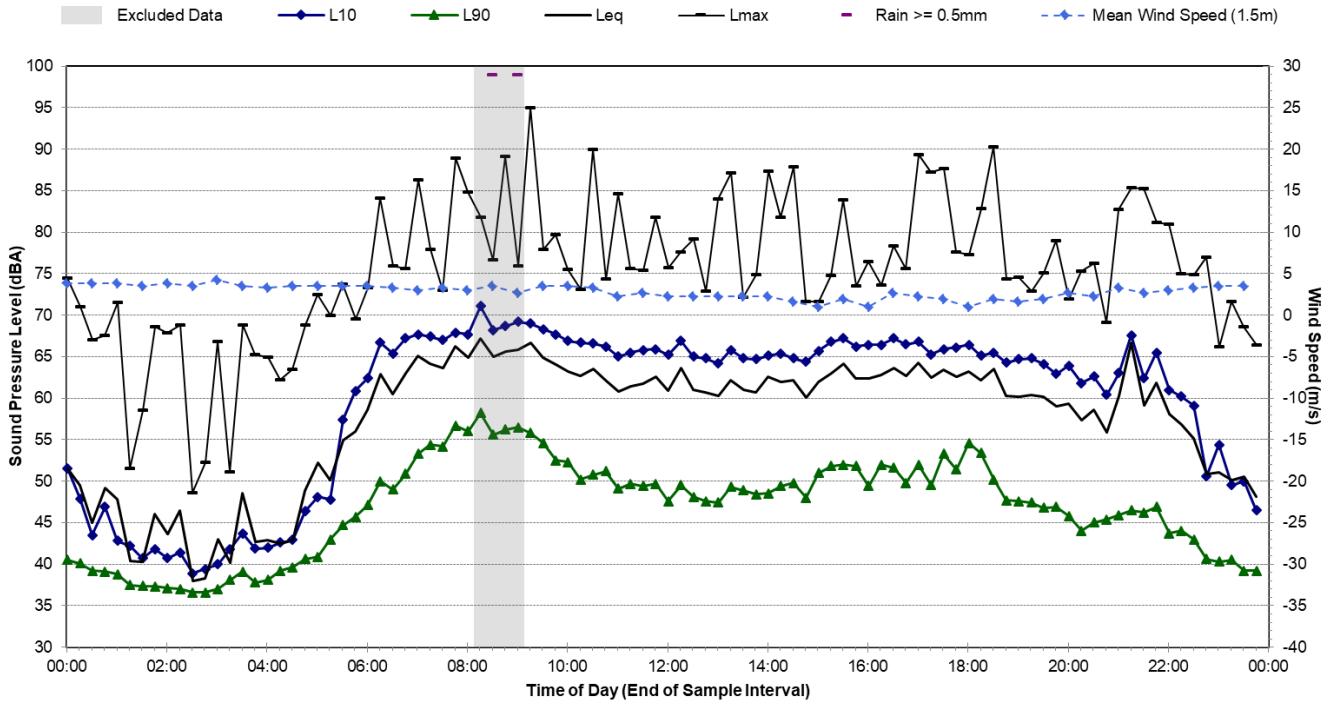
Statistical Ambient Noise Levels

102 Henly Marine Dr, Russell Lea - Monday, 17 June 2019



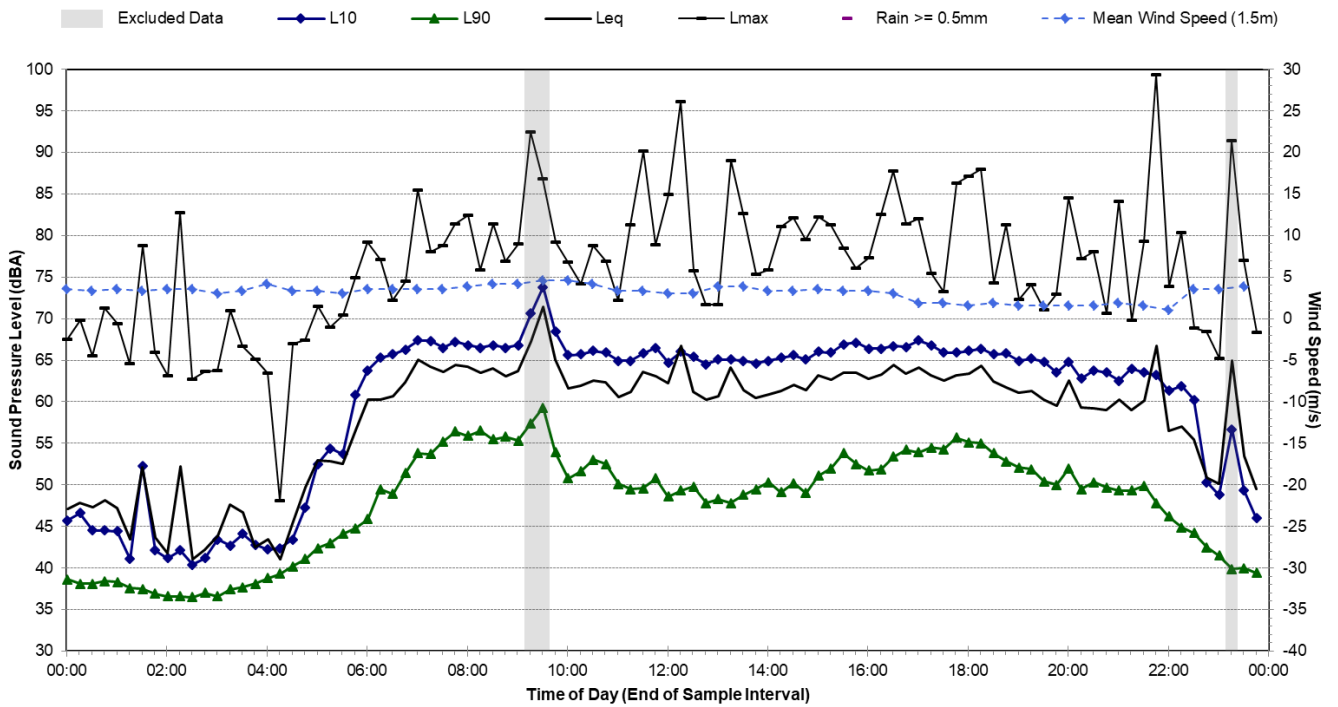
Statistical Ambient Noise Levels

102 Henly Marine Dr, Russell Lea - Tuesday, 18 June 2019



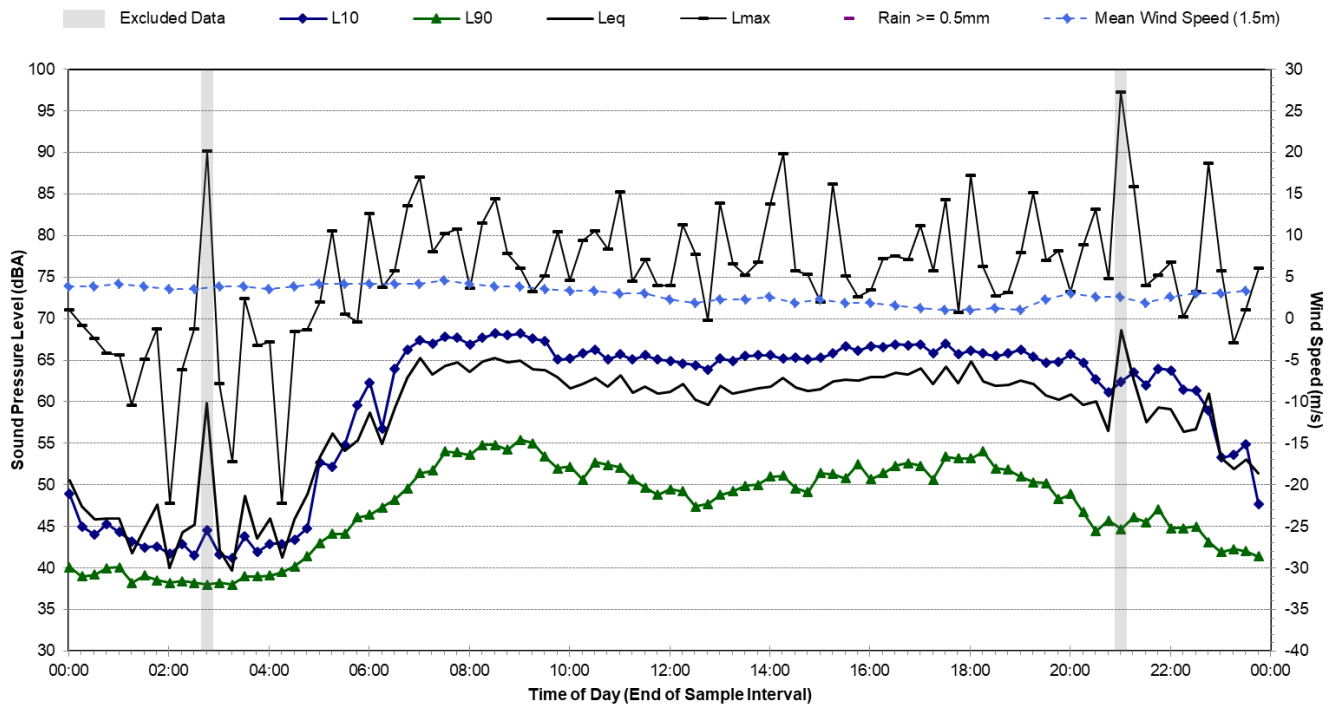
Statistical Ambient Noise Levels

102 Henly Marine Dr, Russell Lea - Wednesday, 19 June 2019



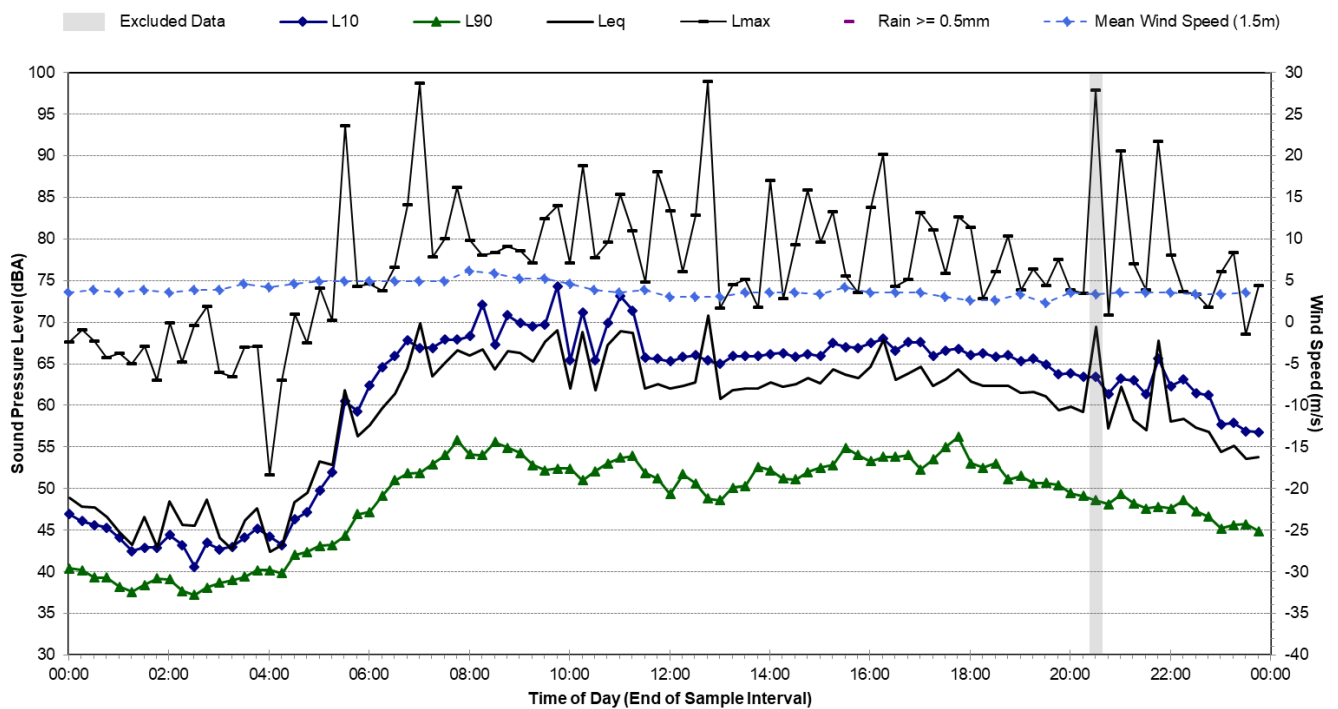
Statistical Ambient Noise Levels

102 Henly Marine Dr, Russell Lea - Thursday, 20 June 2019



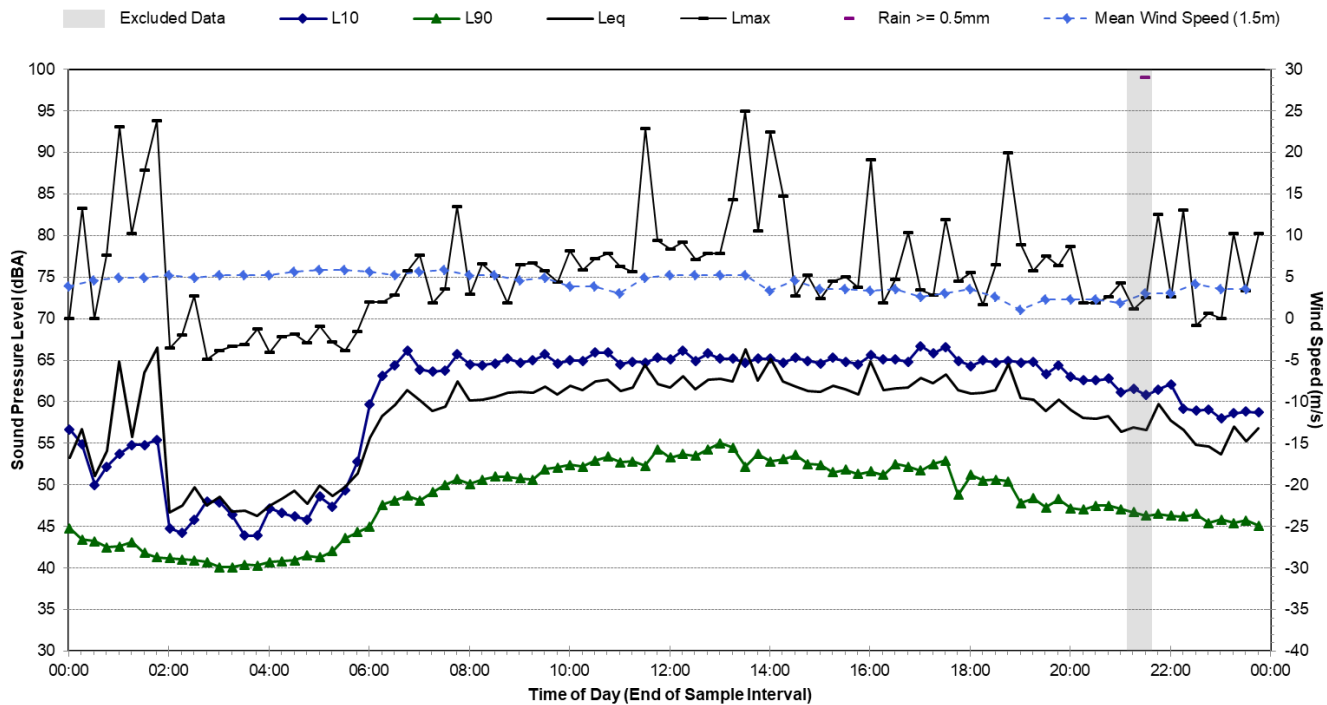
Statistical Ambient Noise Levels

102 Henly Marine Dr, Russell Lea - Friday, 21 June 2019



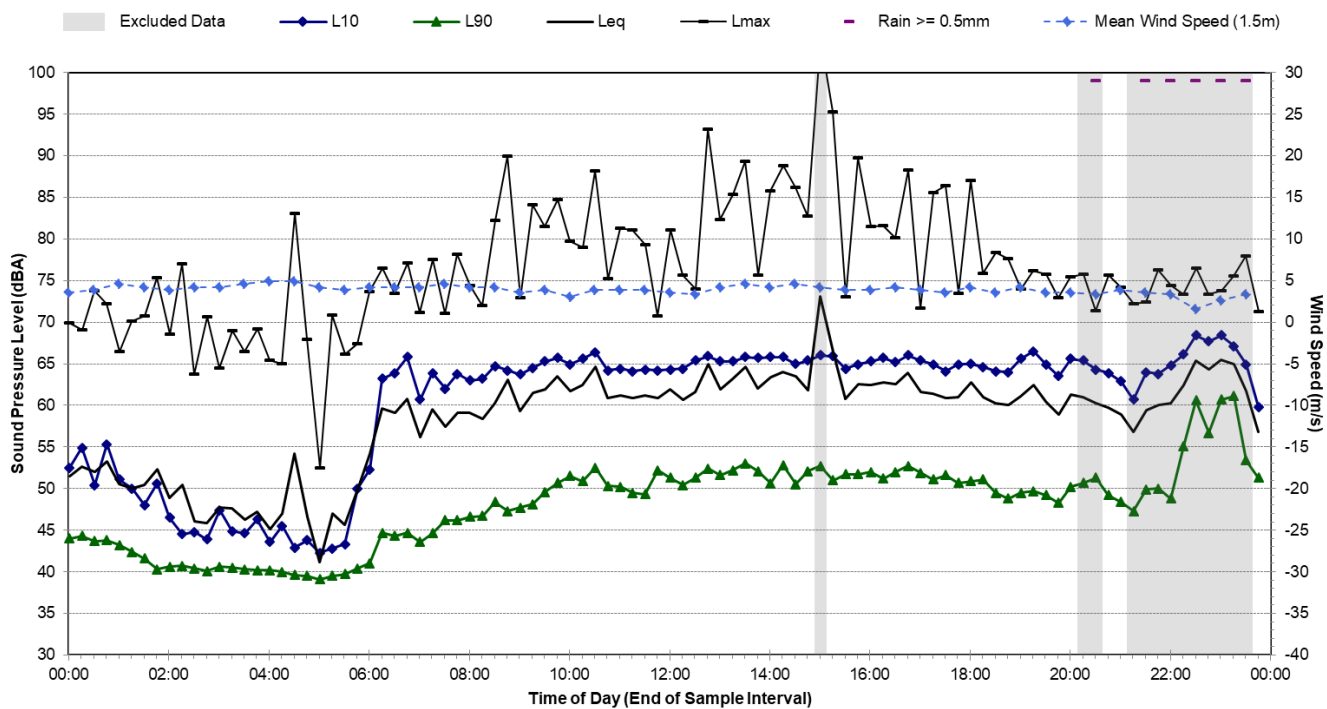
Statistical Ambient Noise Levels

102 Henly Marine Dr, Russell Lea - Saturday, 22 June 2019



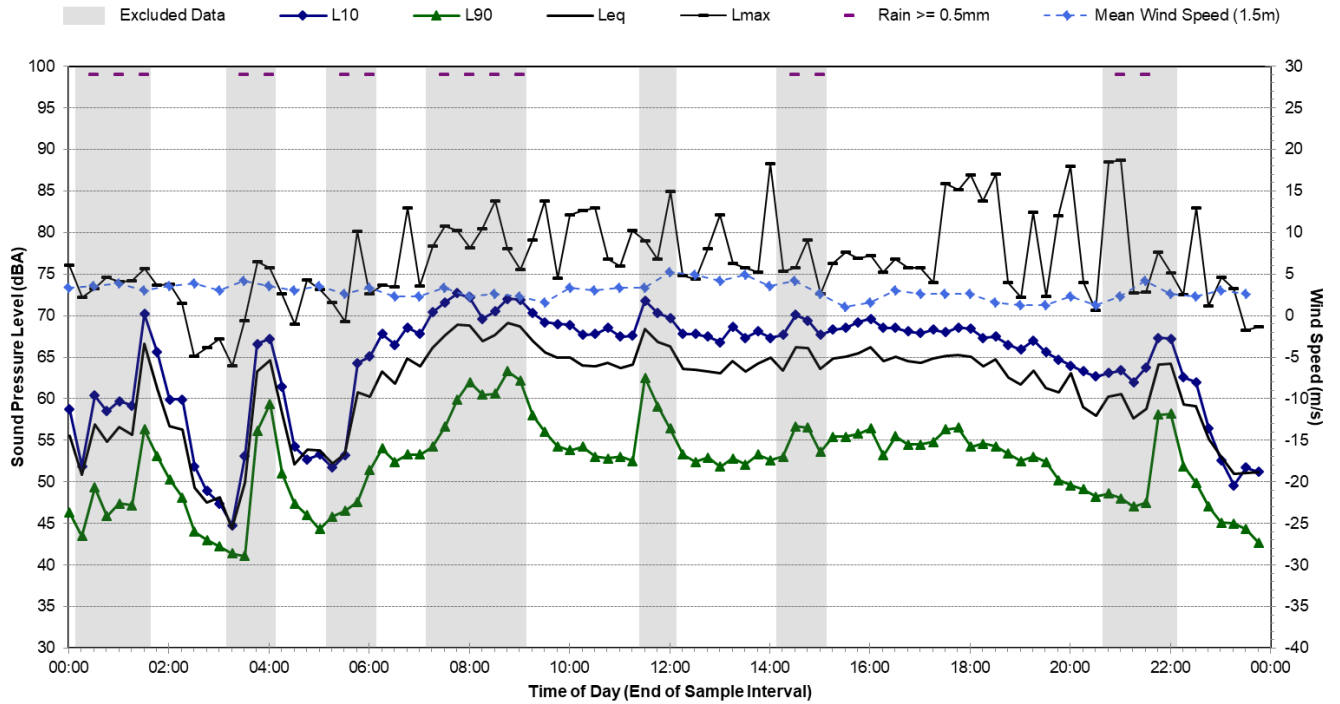
Statistical Ambient Noise Levels

102 Henly Marine Dr, Russell Lea - Sunday, 23 June 2019



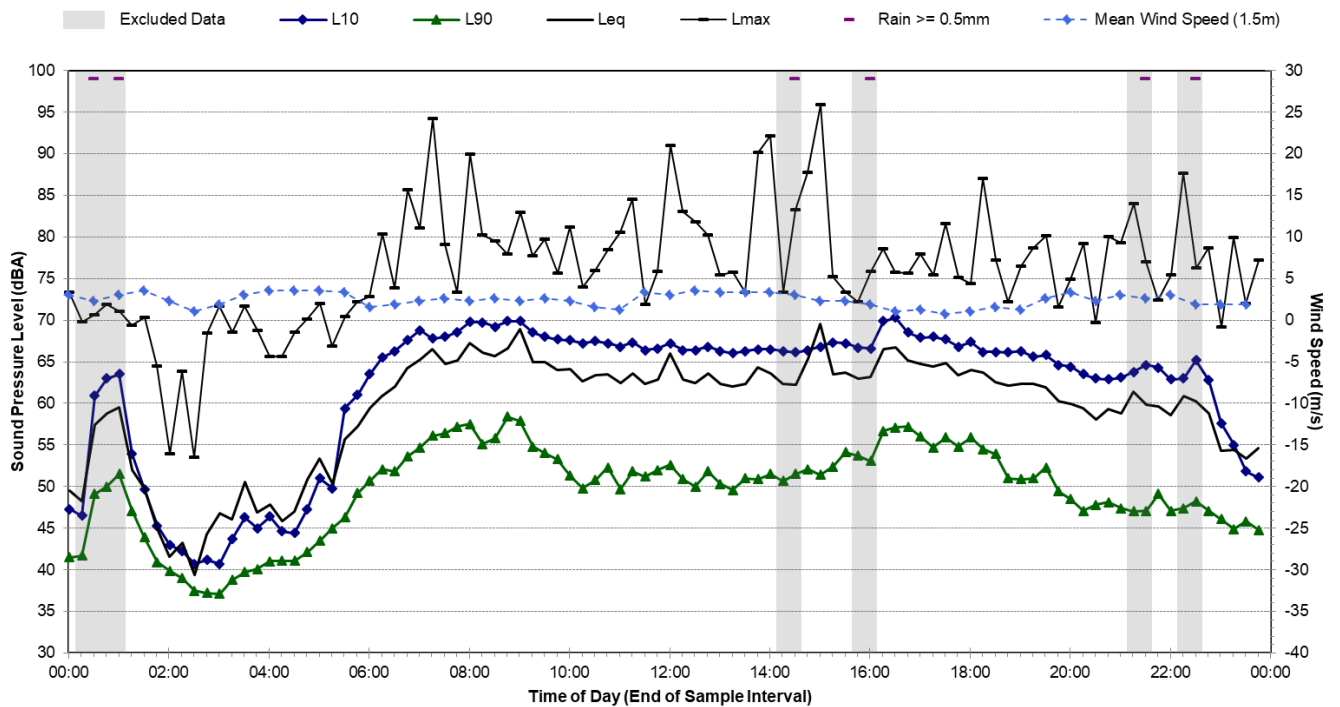
Statistical Ambient Noise Levels

102 Henly Marine Dr, Russell Lea - Monday, 24 June 2019



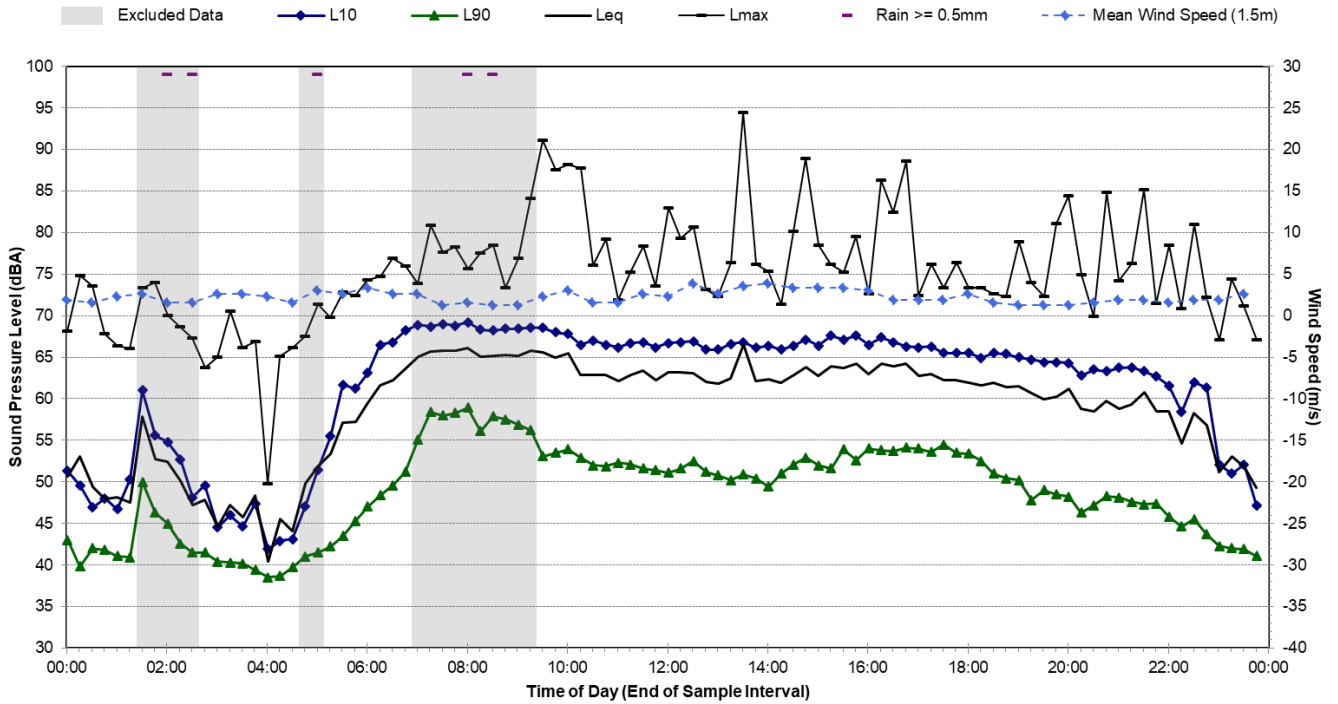
Statistical Ambient Noise Levels

102 Henly Marine Dr, Russell Lea - Tuesday, 25 June 2019



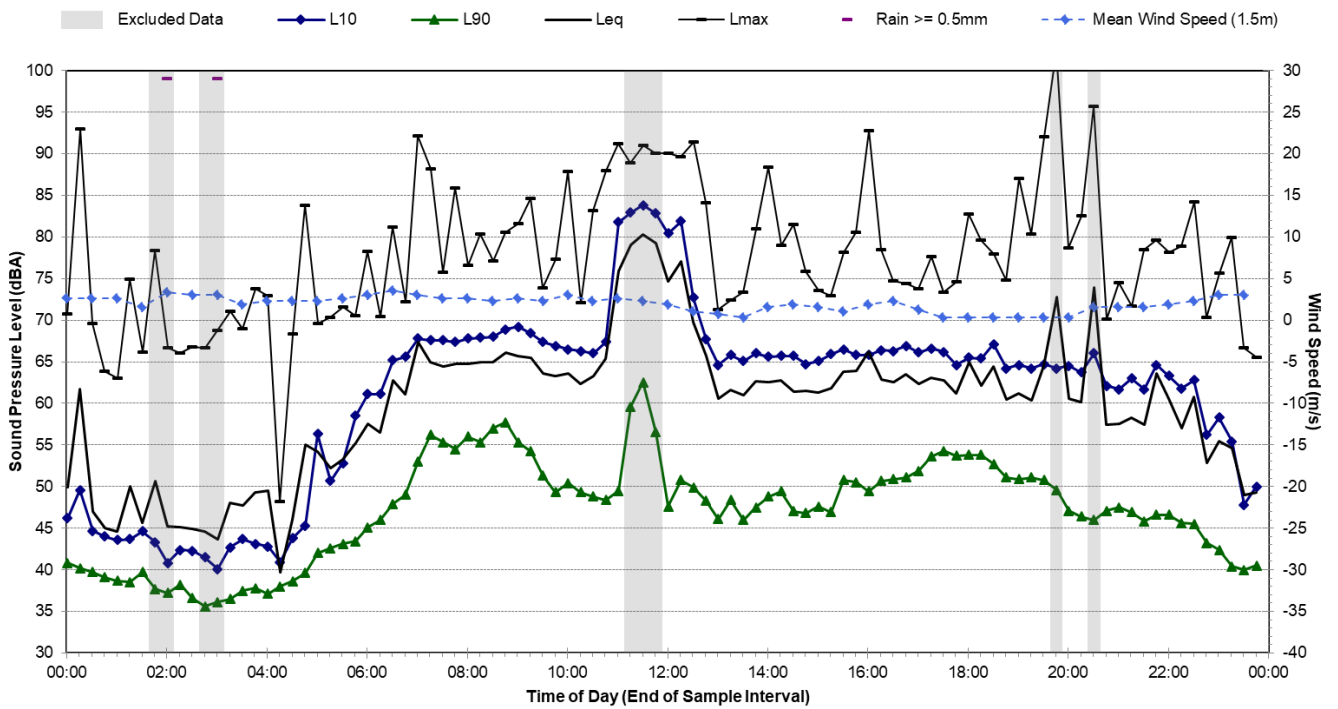
Statistical Ambient Noise Levels

102 Henly Marine Dr, Russell Lea - Wednesday, 26 June 2019



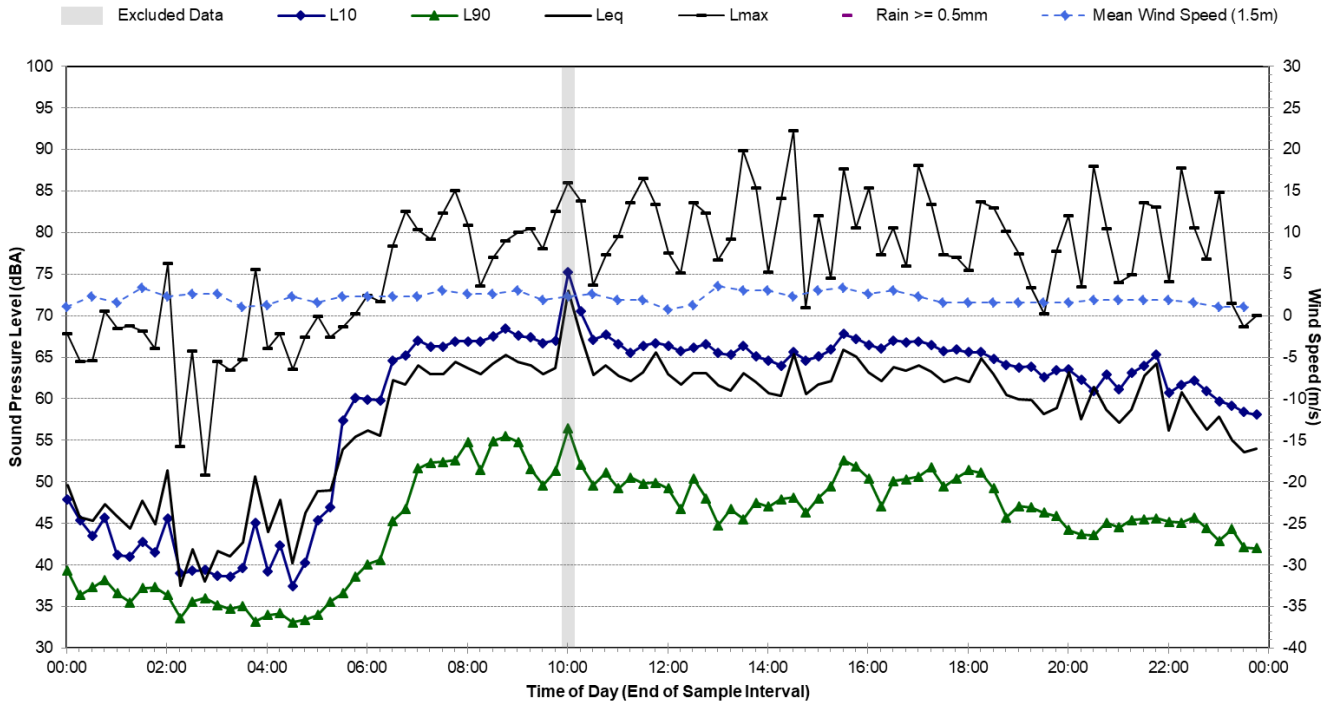
Statistical Ambient Noise Levels

102 Henly Marine Dr, Russell Lea - Thursday, 27 June 2019



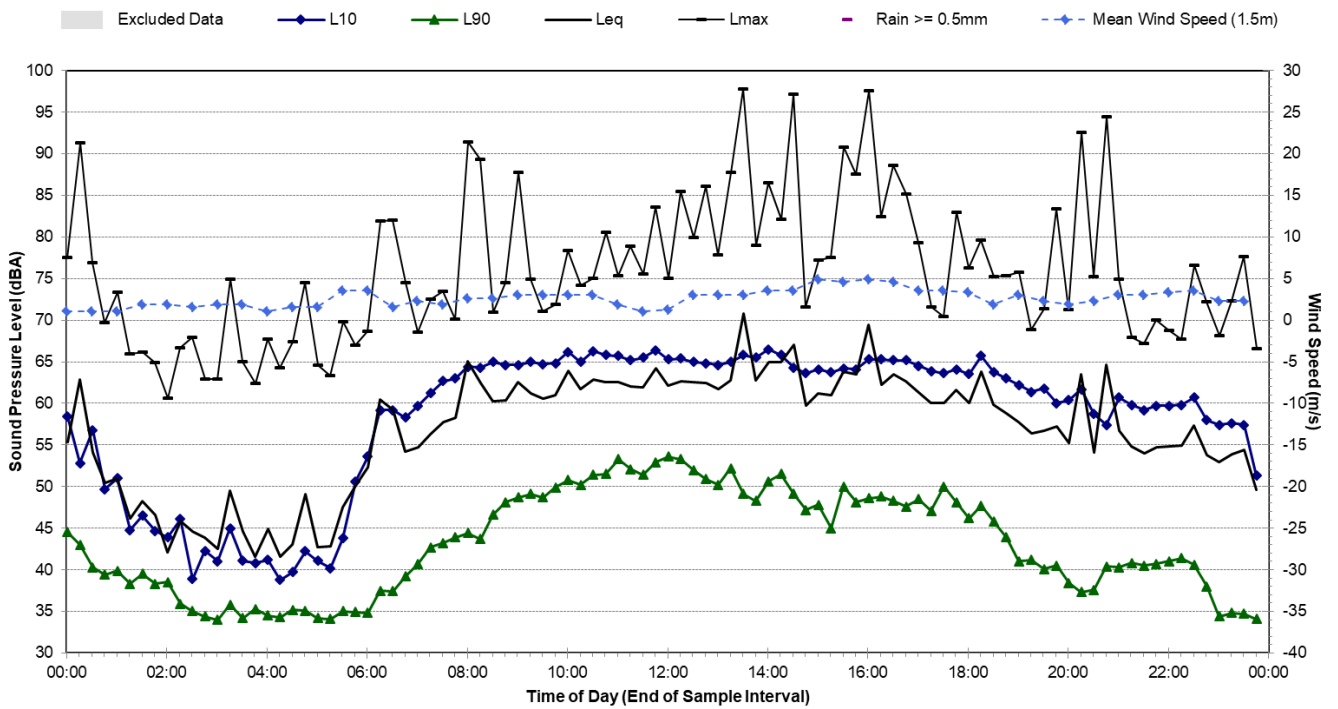
Statistical Ambient Noise Levels

102 Henly Marine Dr, Russell Lea - Friday, 28 June 2019



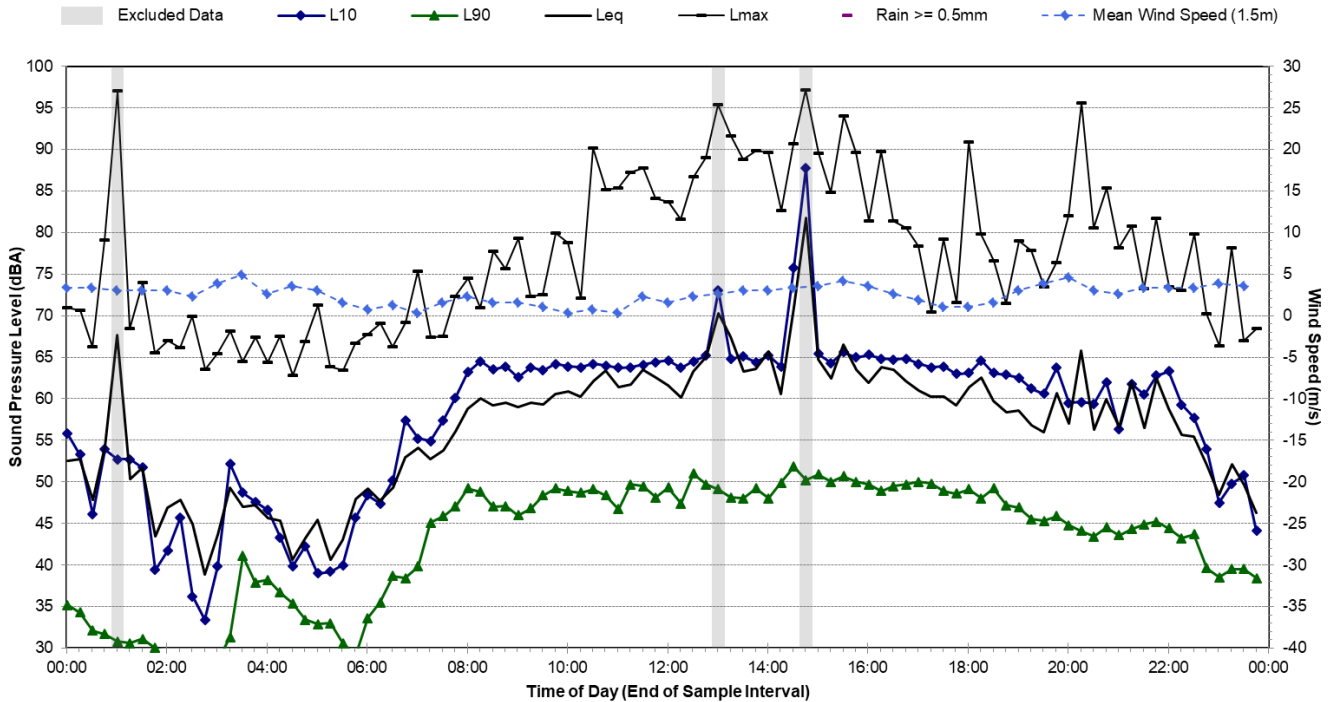
Statistical Ambient Noise Levels

102 Henly Marine Dr, Russell Lea - Saturday, 29 June 2019



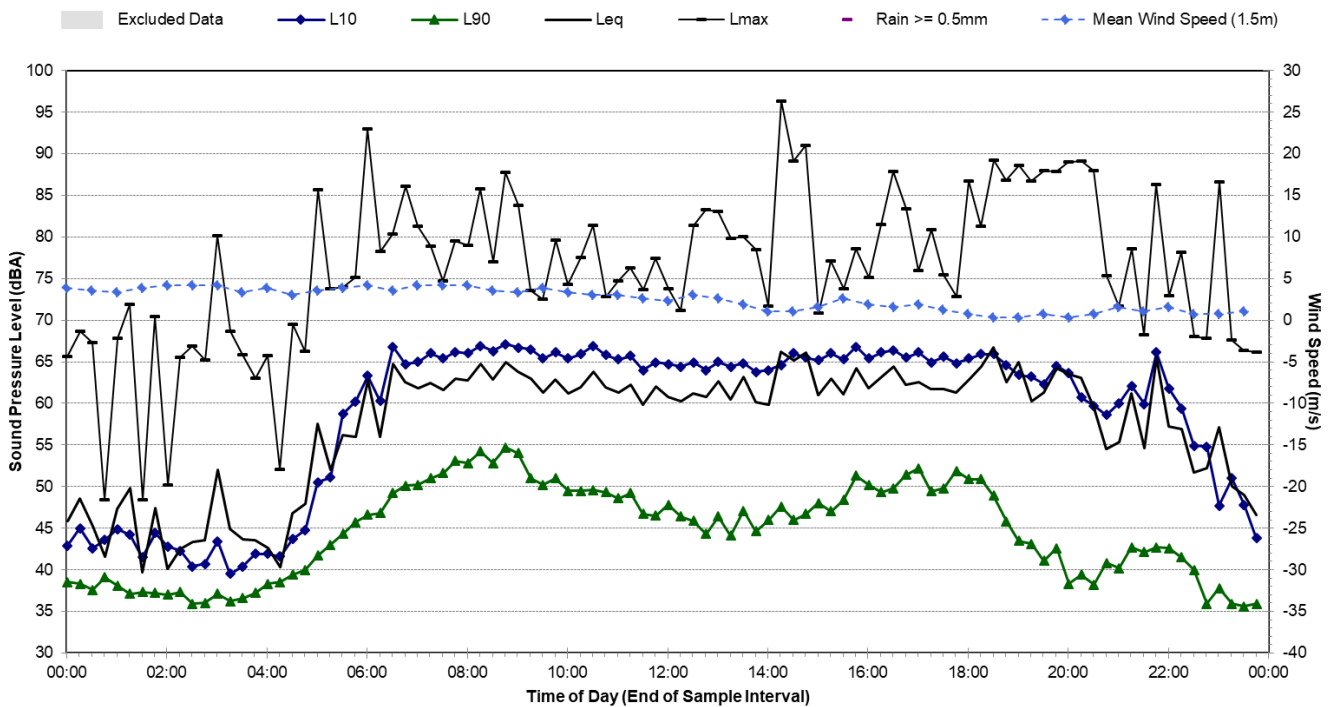
Statistical Ambient Noise Levels

102 Henly Marine Dr, Russell Lea - Sunday, 30 June 2019



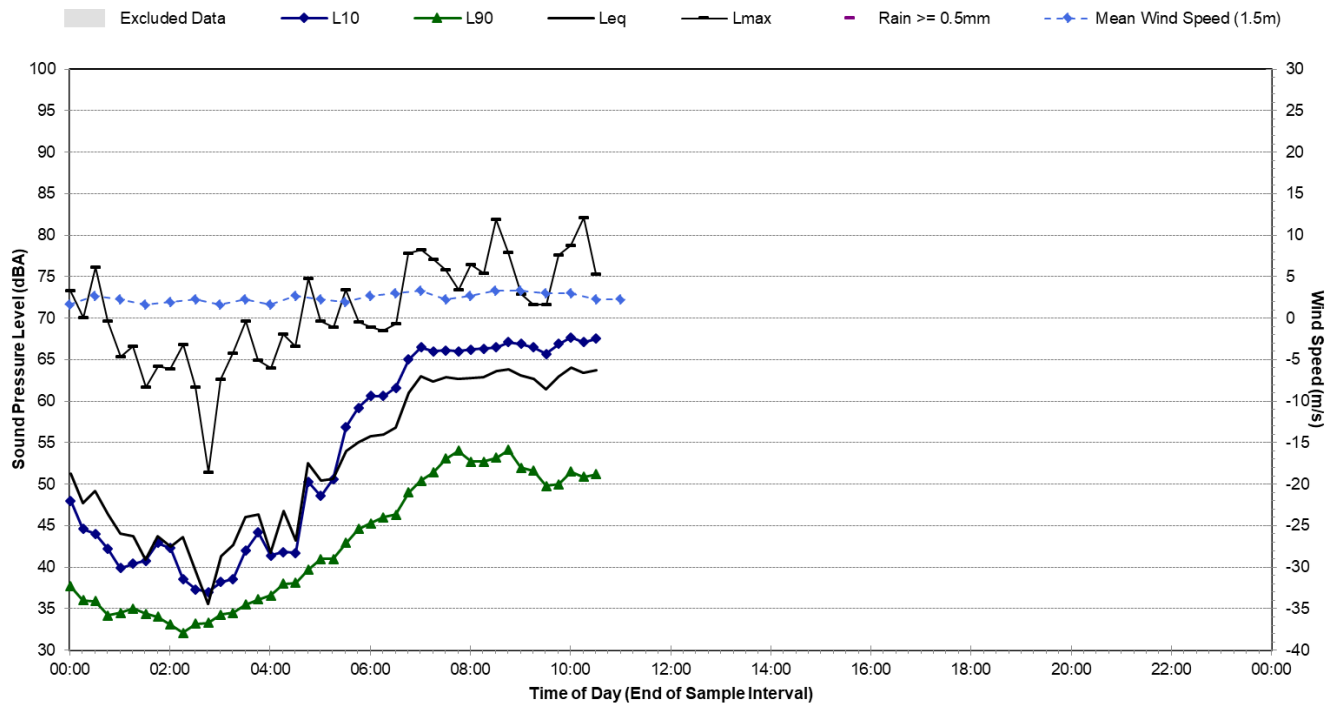
Statistical Ambient Noise Levels

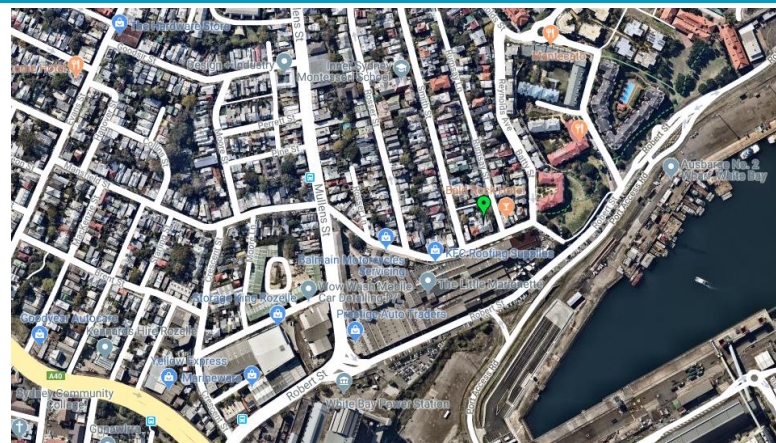

102 Henly Marine Dr, Russell Lea - Monday, 1 July 2019



Statistical Ambient Noise Levels

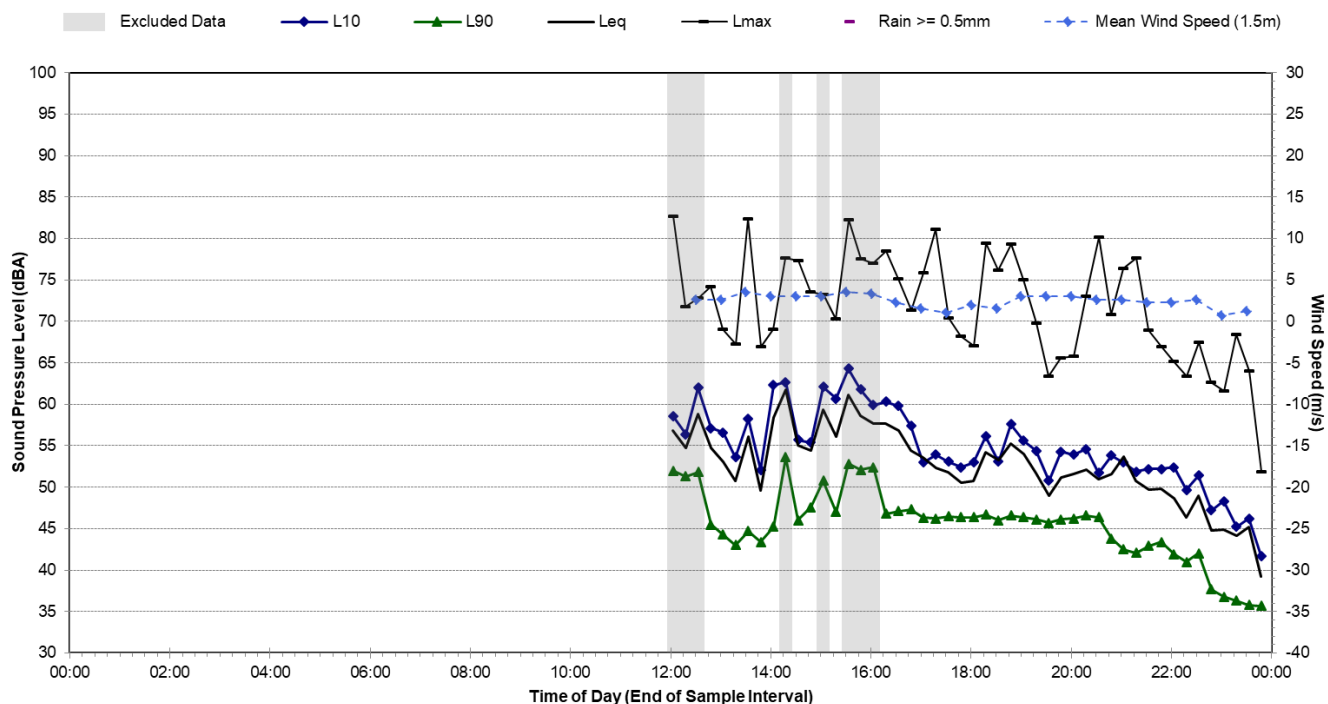
102 Henly Marine Dr, Russell Lea - Tuesday, 2 July 2019



Noise Monitoring Location		B.19				Map of Noise Monitoring Location	
Noise Monitoring Address		21 Mansfield Street, Rozelle					
Logger Device Type: SVAN957, Logger Serial No: 20674 Sound Level Meter Device Type: Brüel and Kjær 2260, Sound Level Meter Serial No: 2487418							
Ambient noise logger located at 21 Mansfield Street, Rozelle. Logger located with view of Mansfield Street to the west and the Western Distributor to the north.							
Attended noise measurements indicate the ambient noise environment at this location is dominated by road traffic noise from Mansfield Street. Industrial/Commercial also contributes to the measured levels.							
Measured noise levels (L _{Amax}): 20/05/2019: Light-vehicle traffic Mansfield Street: 48-72 dBA, Industrial/Commercial operations: 45-76 dBA, Birds: 45-60 dBA, Aircraft: 48-52 dBA							
Ambient Noise Logging Results		ICNG Defined Time Periods					
Monitoring Period (02/05/2019 – 20/05/2019)		Noise Level (dBA)					
		RBL	L _{Aeq}	L ₁₀	L ₁		
Daytime		43	56	57	65		
Evening		43	54	54	61		
Night-time		35	47	42	50		
Ambient Noise Logging Results		RNP Defined Time Periods					
Monitoring Period (02/05/2019 – 20/05/2019)		Noise Level (dBA)					
		L _{Aeq} (period)		L _{Aeq} (1hour)			
Daytime (7am-10pm)		58		61			
Night-time (10pm-7am)		47		50			
Attended Noise Measurement Results							
Date		Start Time		Measured Noise Level (dBA)			
				L _{A90}	L _{Aeq}	L _{Amax}	
20/05/2019		13:07		43	52	76	

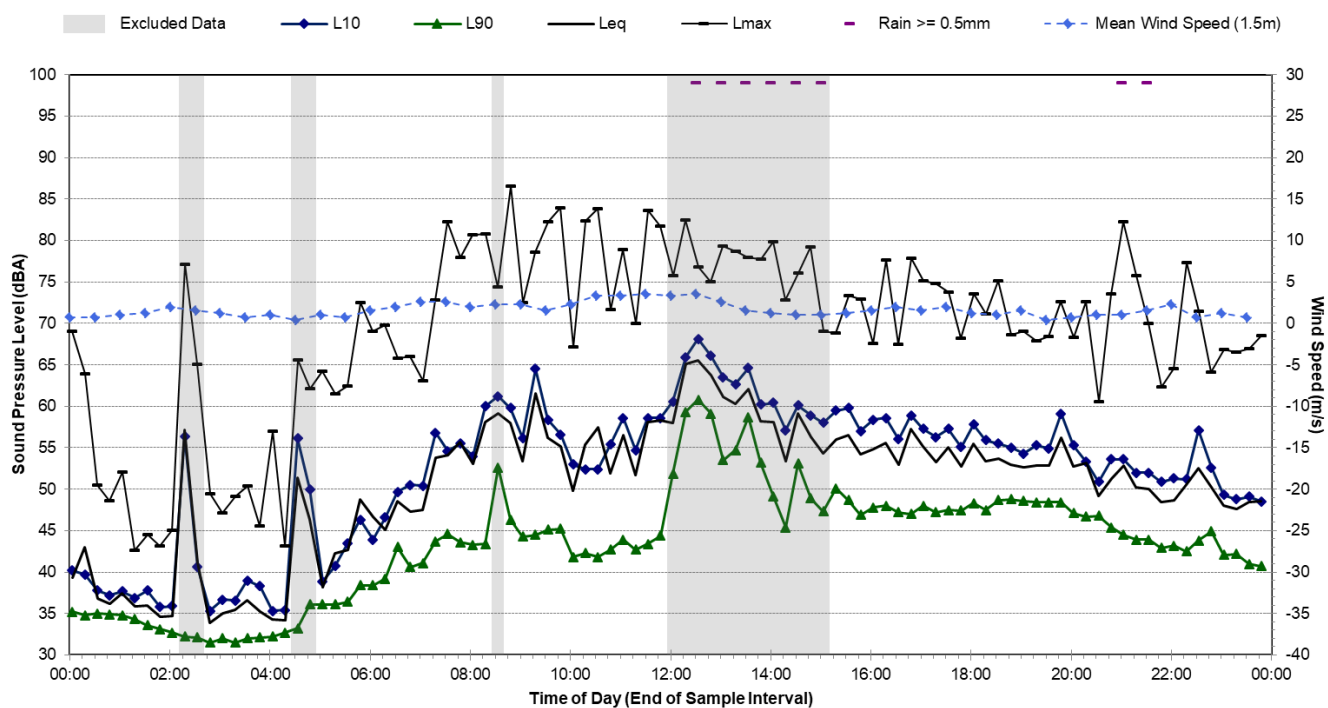
Statistical Ambient Noise Levels

21 Mansfield St, Rozelle - Thursday, 2 May 2019



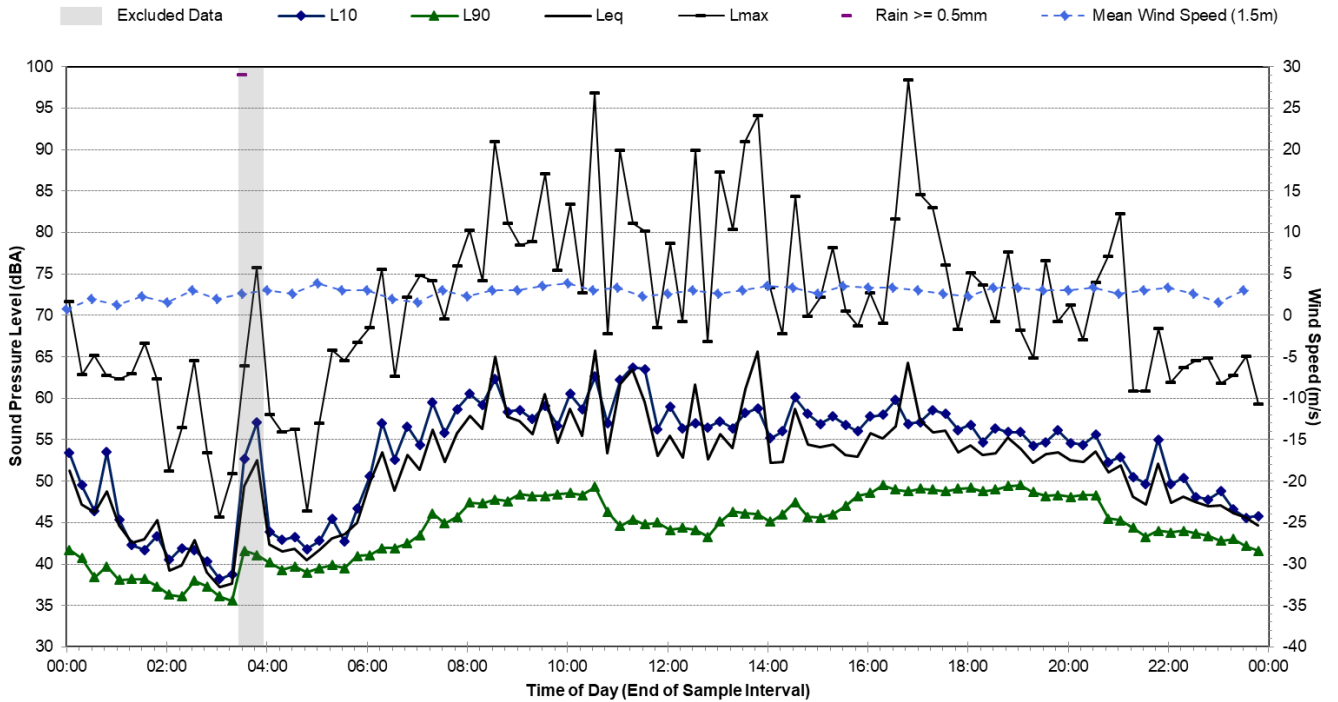
Statistical Ambient Noise Levels

21 Mansfield St, Rozelle - Friday, 3 May 2019



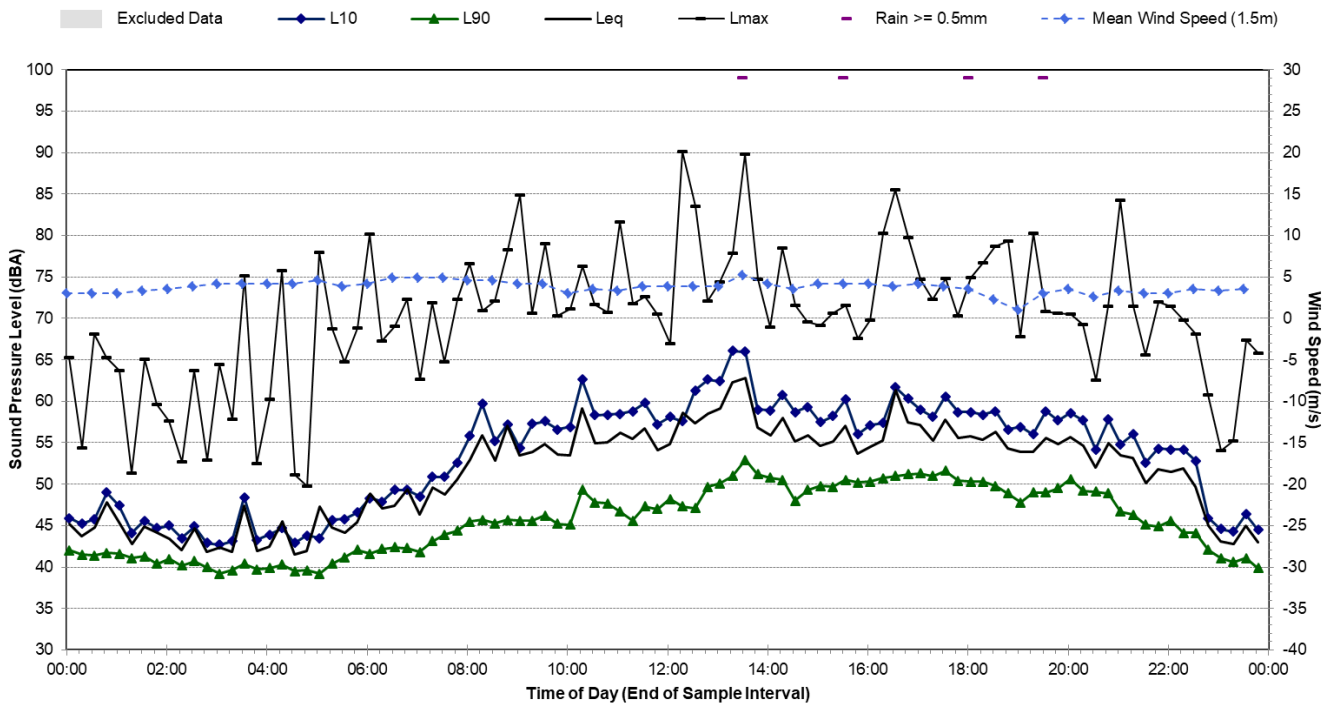
Statistical Ambient Noise Levels

21 Mansfield St, Rozelle - Saturday, 4 May 2019



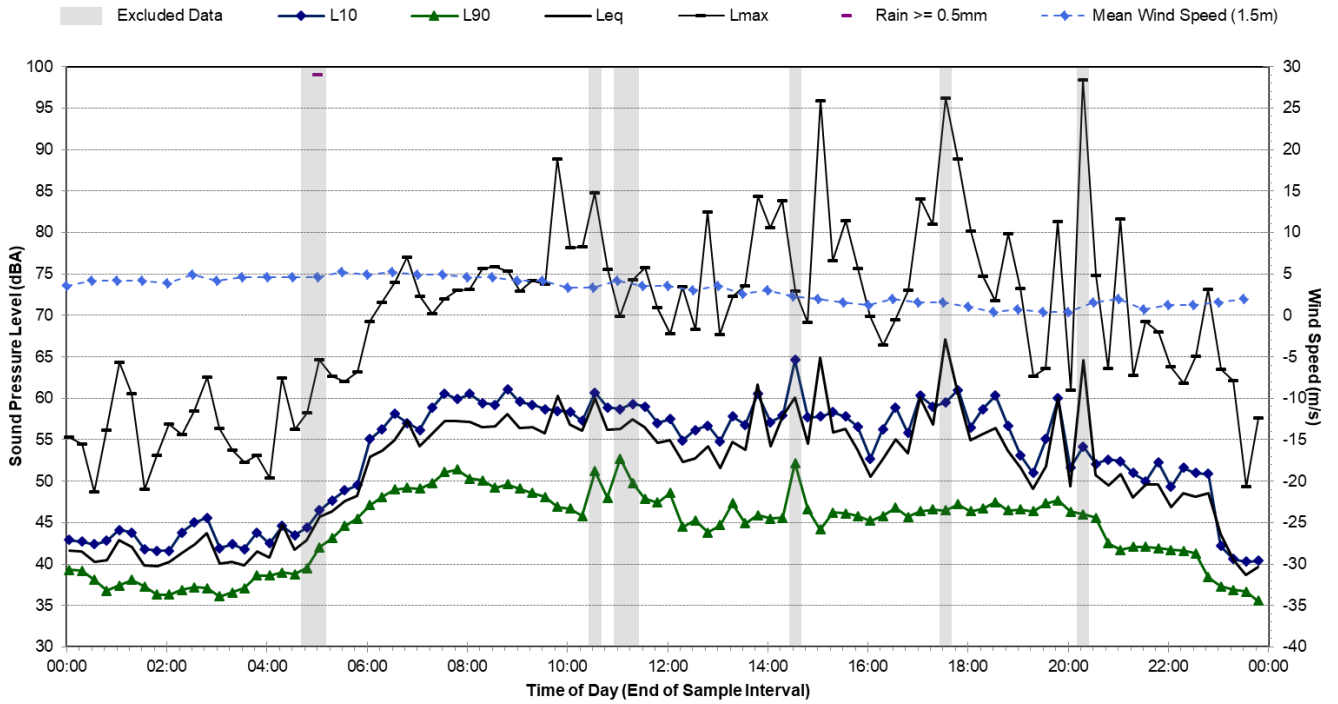
Statistical Ambient Noise Levels

21 Mansfield St, Rozelle - Sunday, 5 May 2019



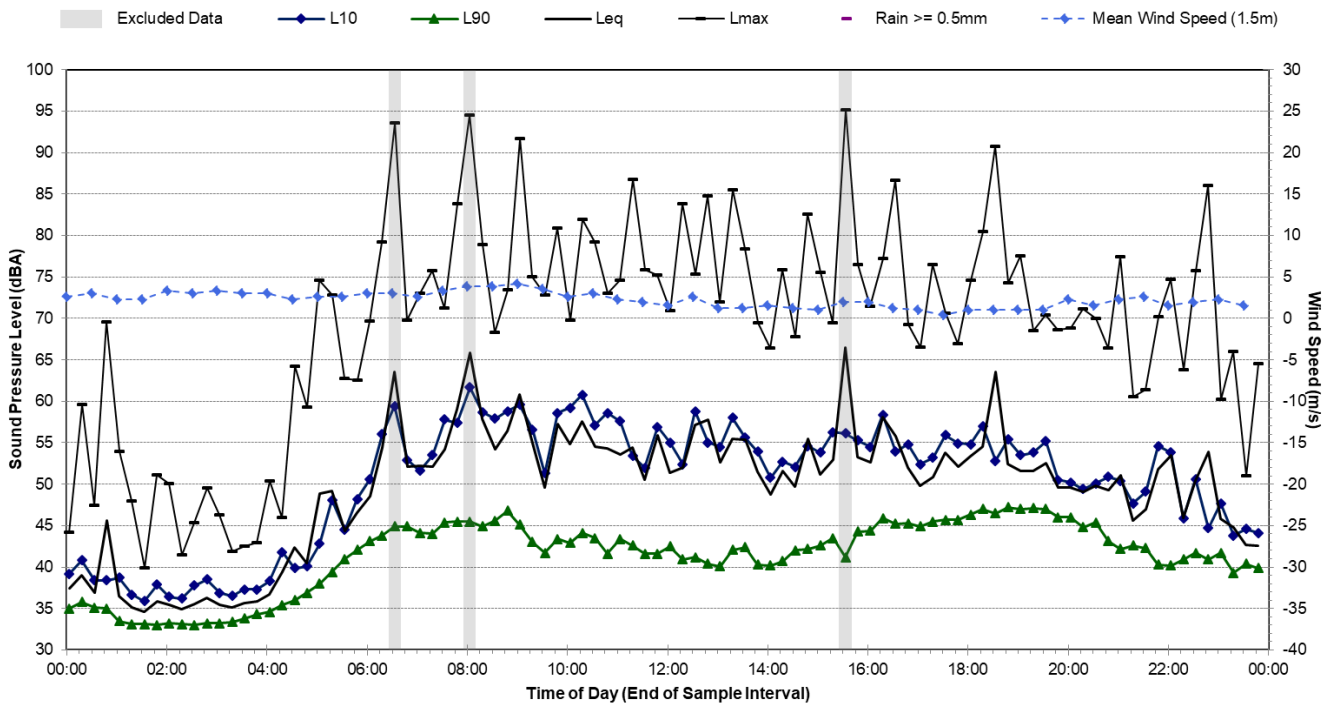
Statistical Ambient Noise Levels

21 Mansfield St, Rozelle - Monday, 6 May 2019



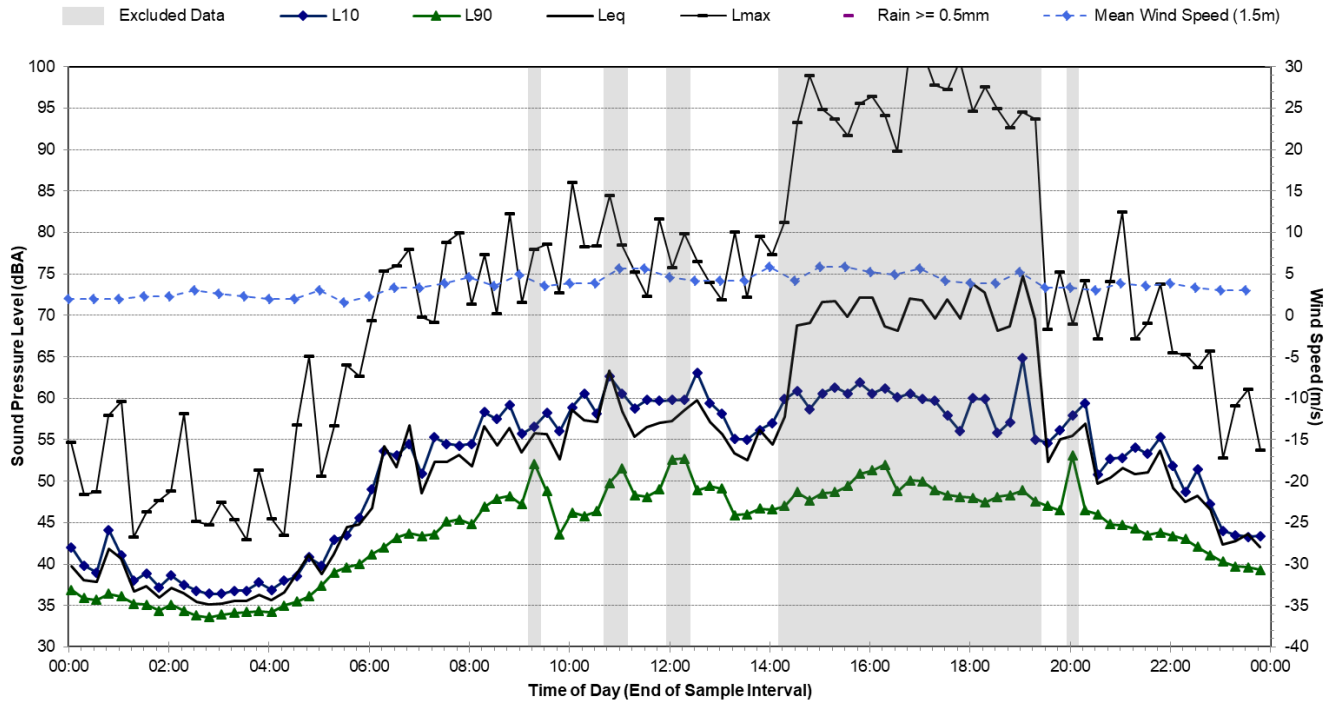
Statistical Ambient Noise Levels

21 Mansfield St, Rozelle - Tuesday, 7 May 2019



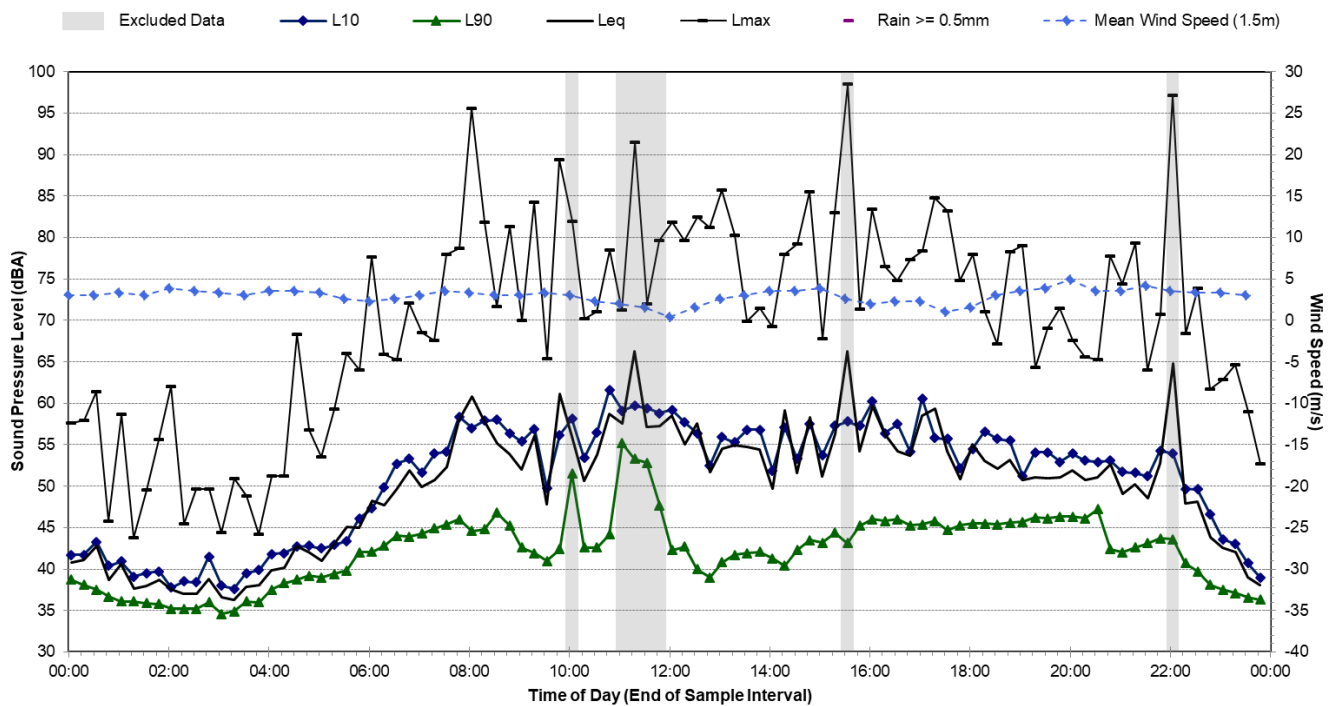
Statistical Ambient Noise Levels

21 Mansfield St, Rozelle - Wednesday, 8 May 2019



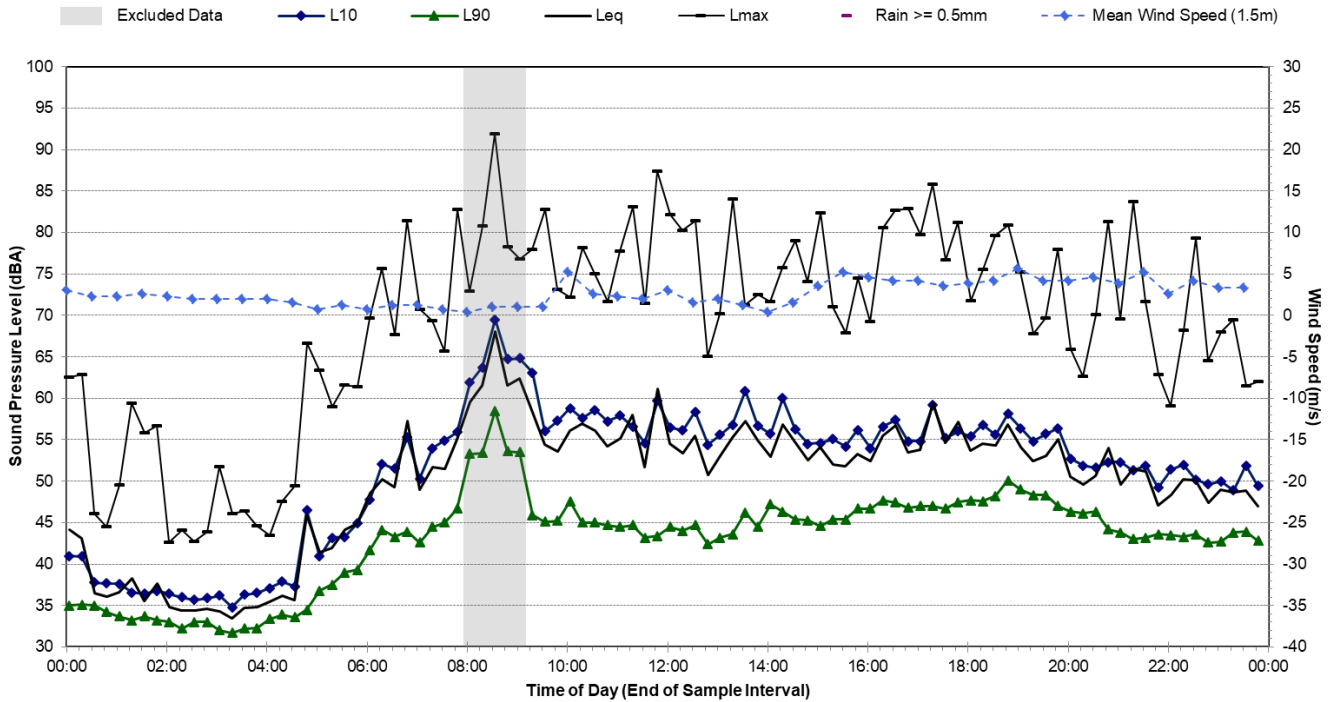
Statistical Ambient Noise Levels

21 Mansfield St, Rozelle - Thursday, 9 May 2019



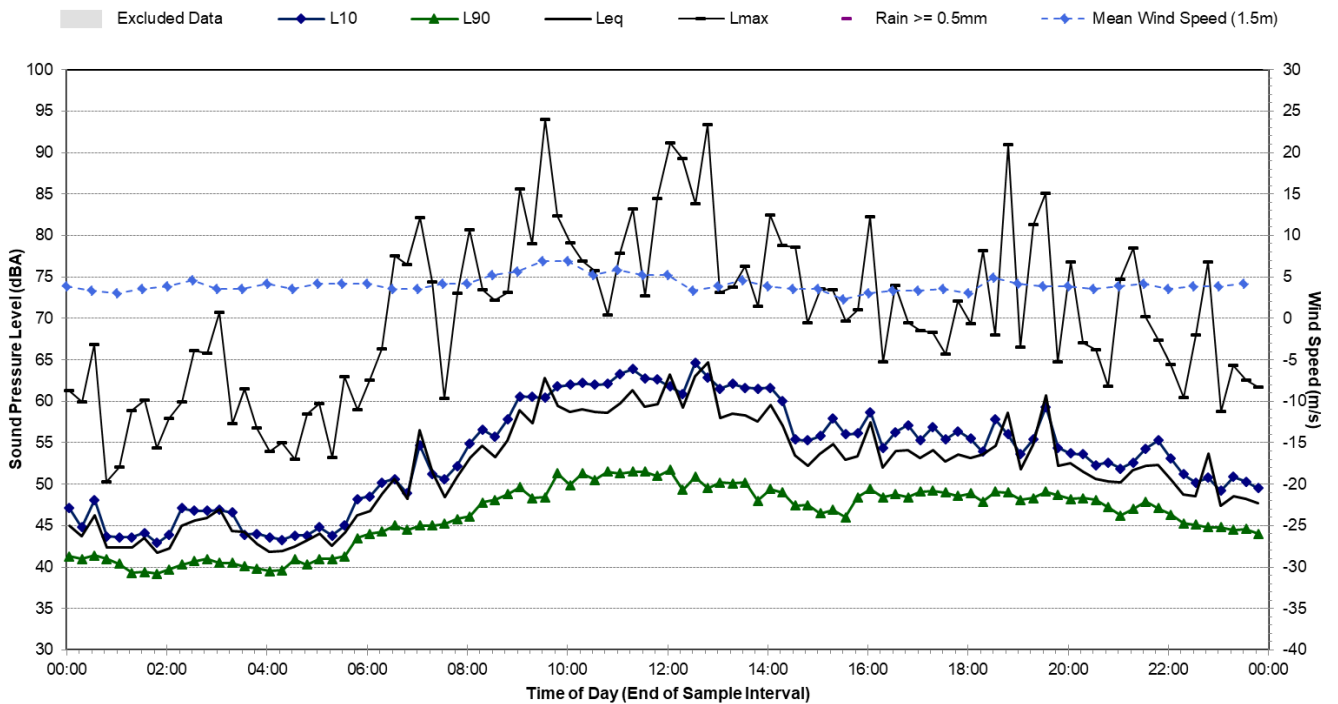
Statistical Ambient Noise Levels

21 Mansfield St, Rozelle - Friday, 10 May 2019



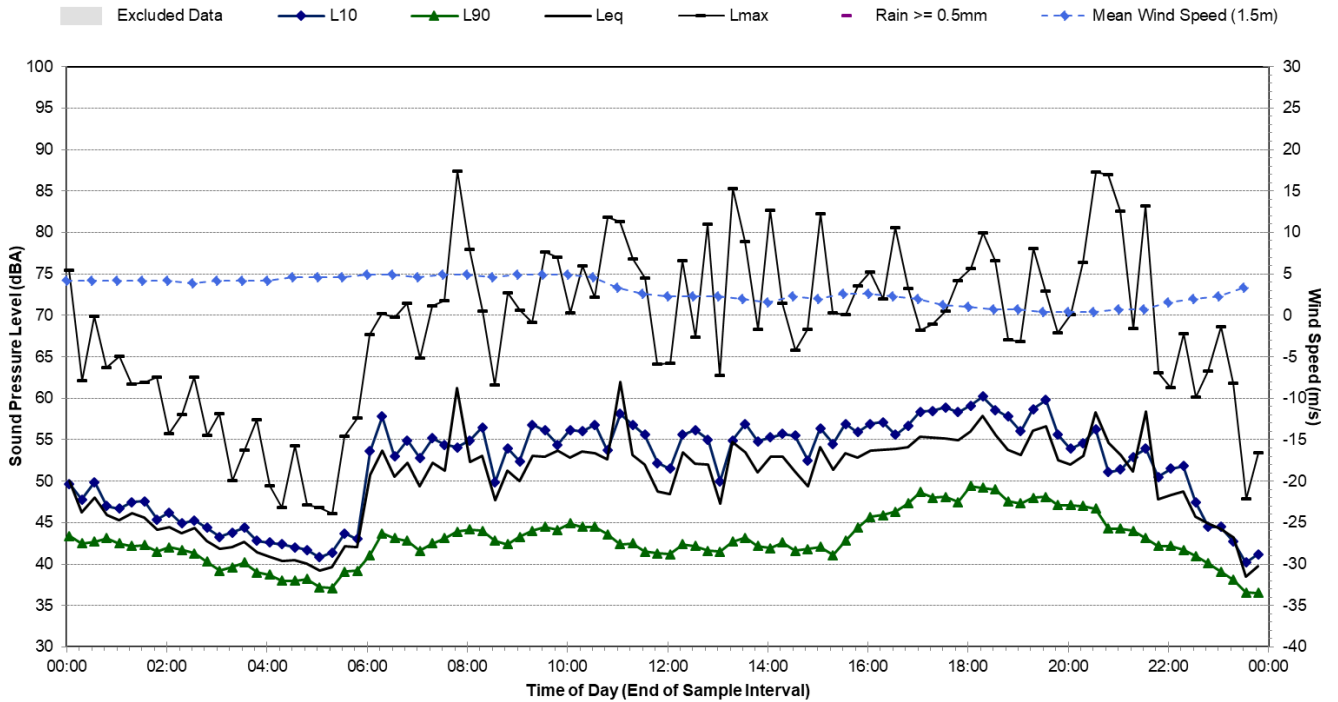
Statistical Ambient Noise Levels

21 Mansfield St, Rozelle - Saturday, 11 May 2019



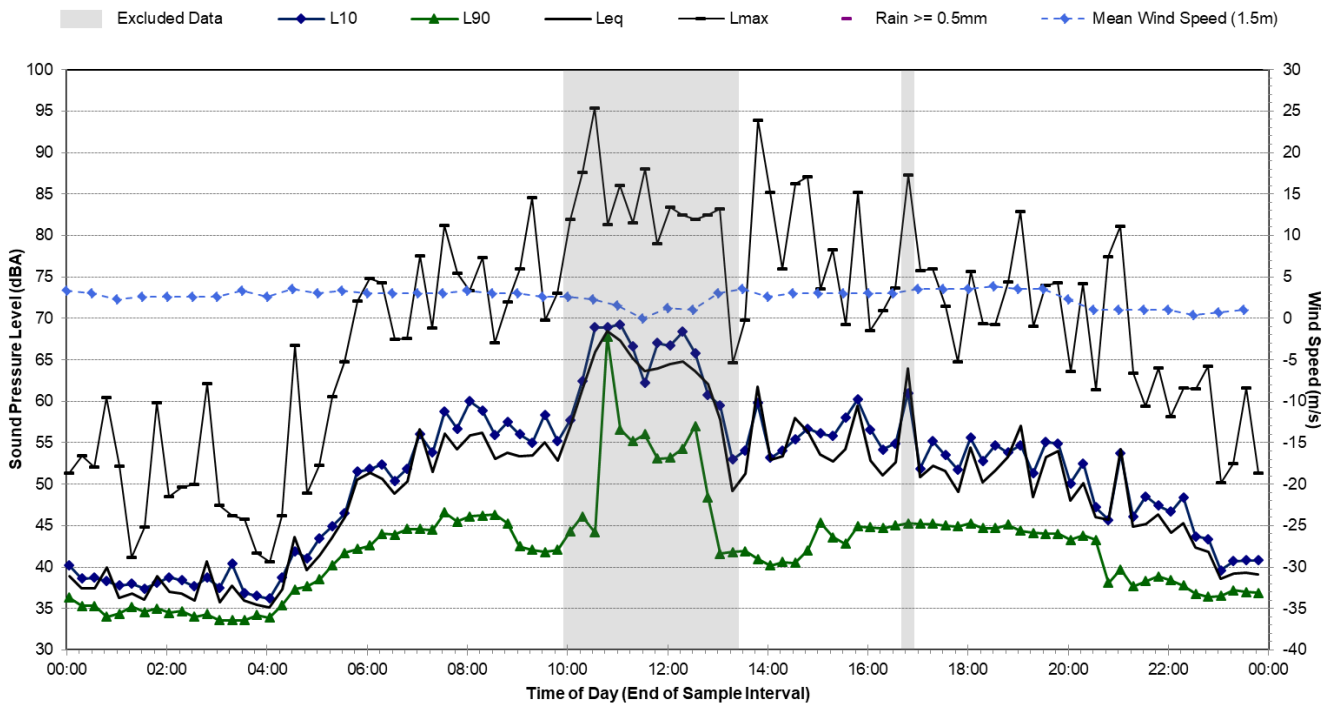
Statistical Ambient Noise Levels

21 Mansfield St, Rozelle - Sunday, 12 May 2019

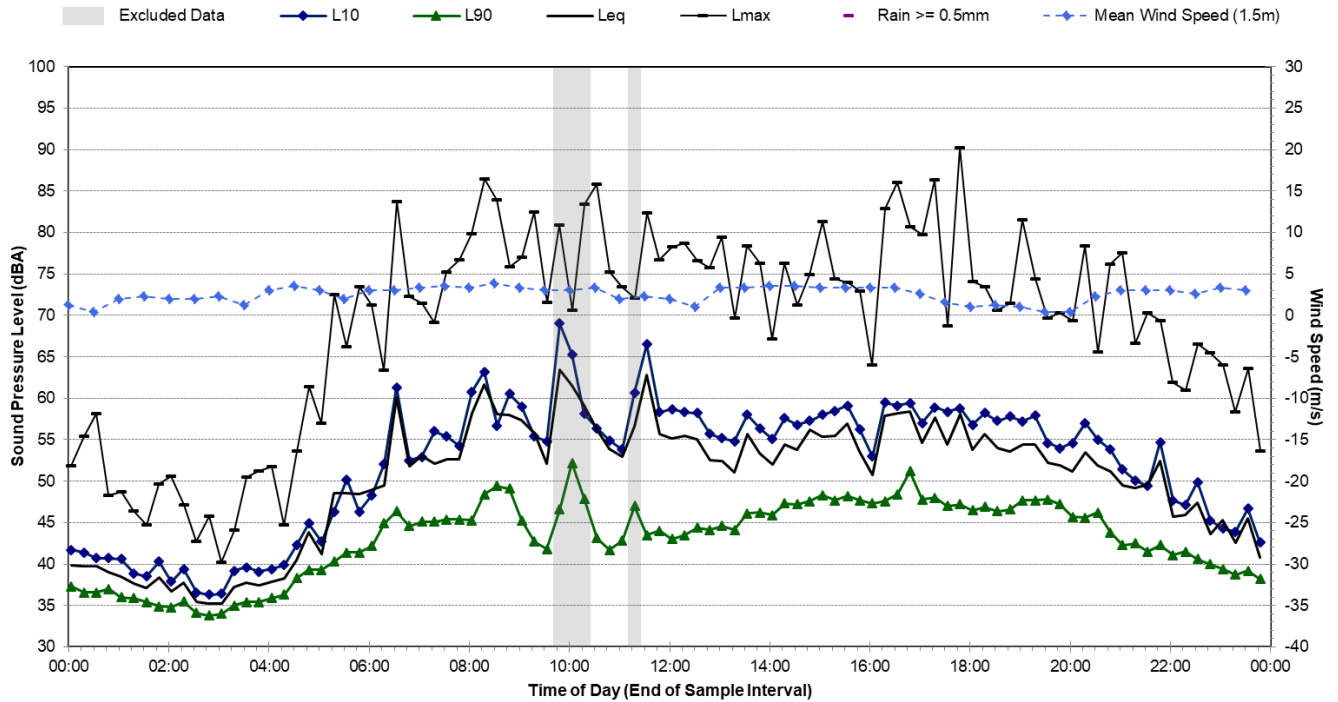


Statistical Ambient Noise Levels

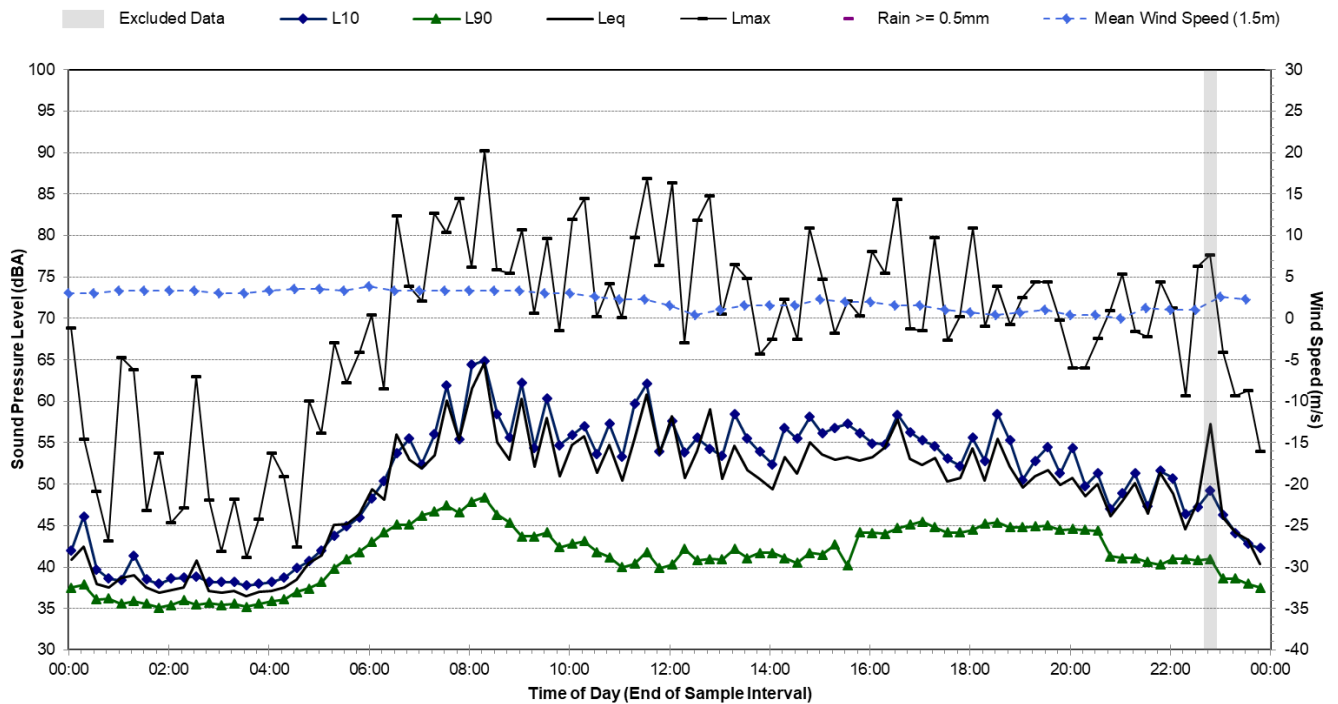
21 Mansfield St, Rozelle - Monday, 13 May 2019



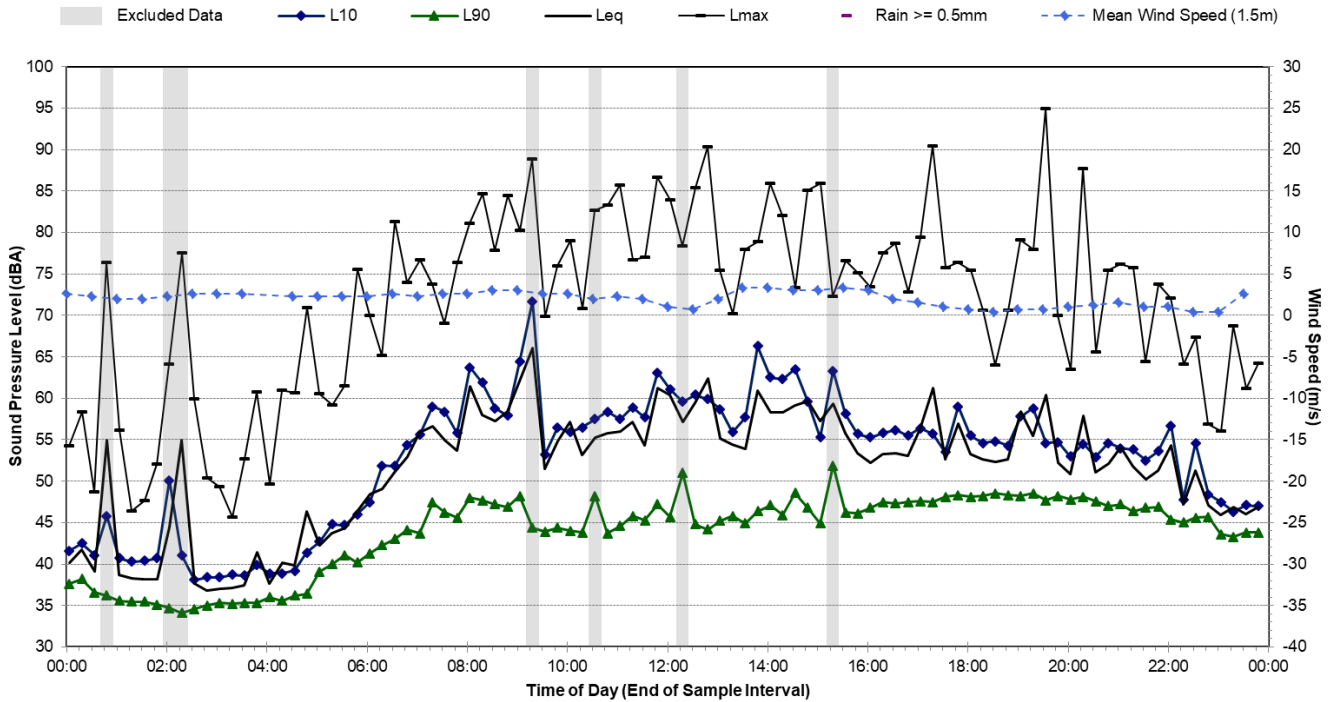
Statistical Ambient Noise Levels 21 Mansfield St, Rozelle - Tuesday, 14 May 2019



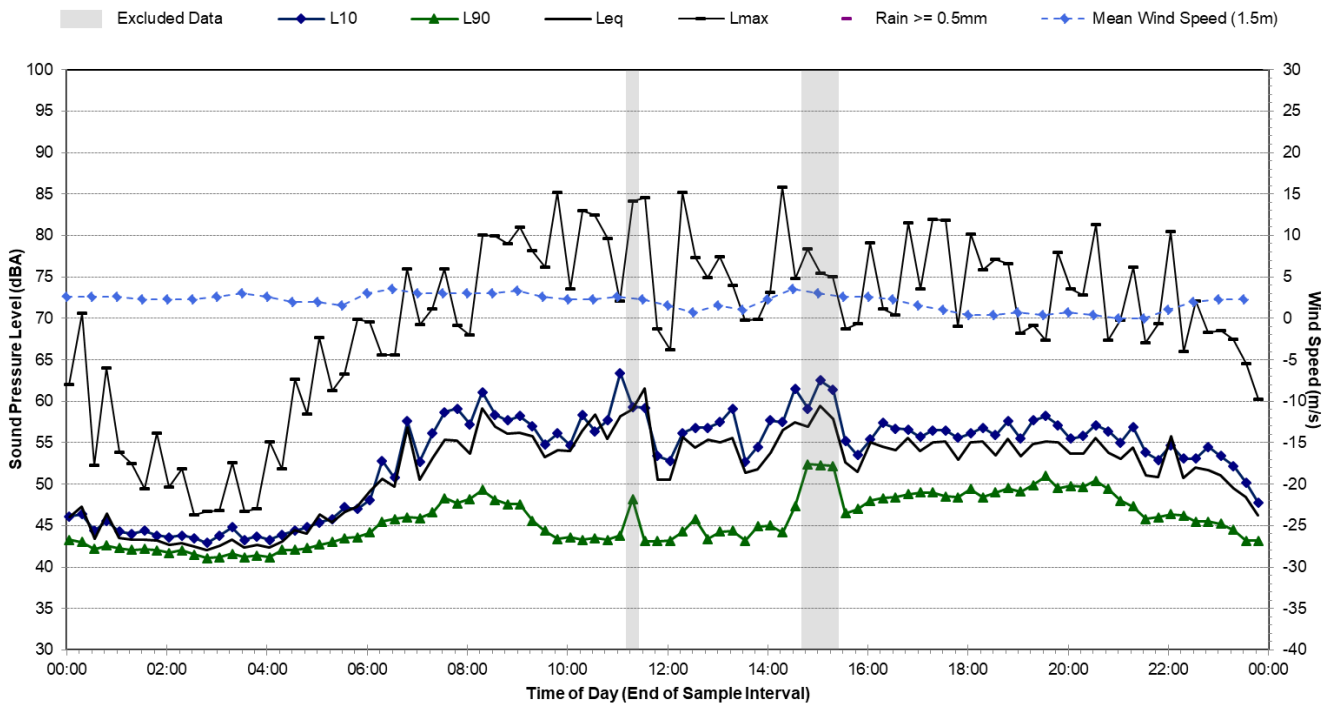
Statistical Ambient Noise Levels 21 Mansfield St, Rozelle - Wednesday, 15 May 2019



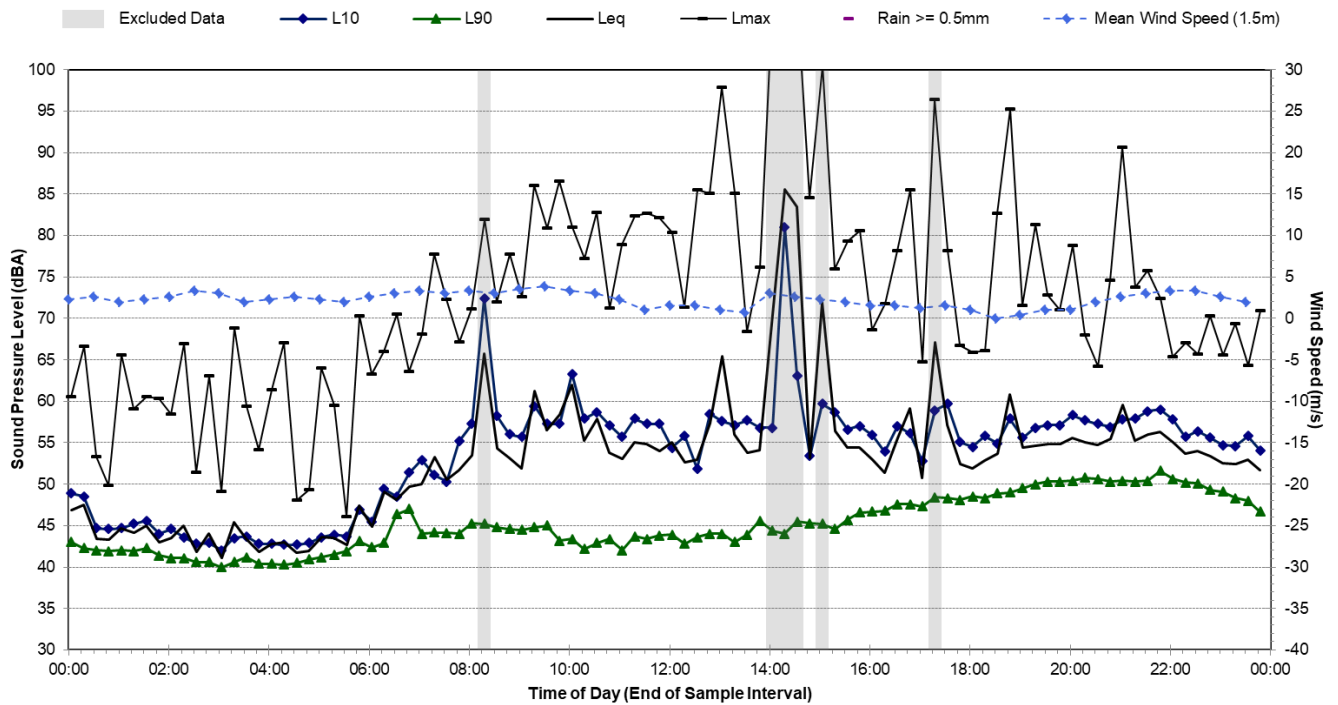
Statistical Ambient Noise Levels 21 Mansfield St, Rozelle - Thursday, 16 May 2019



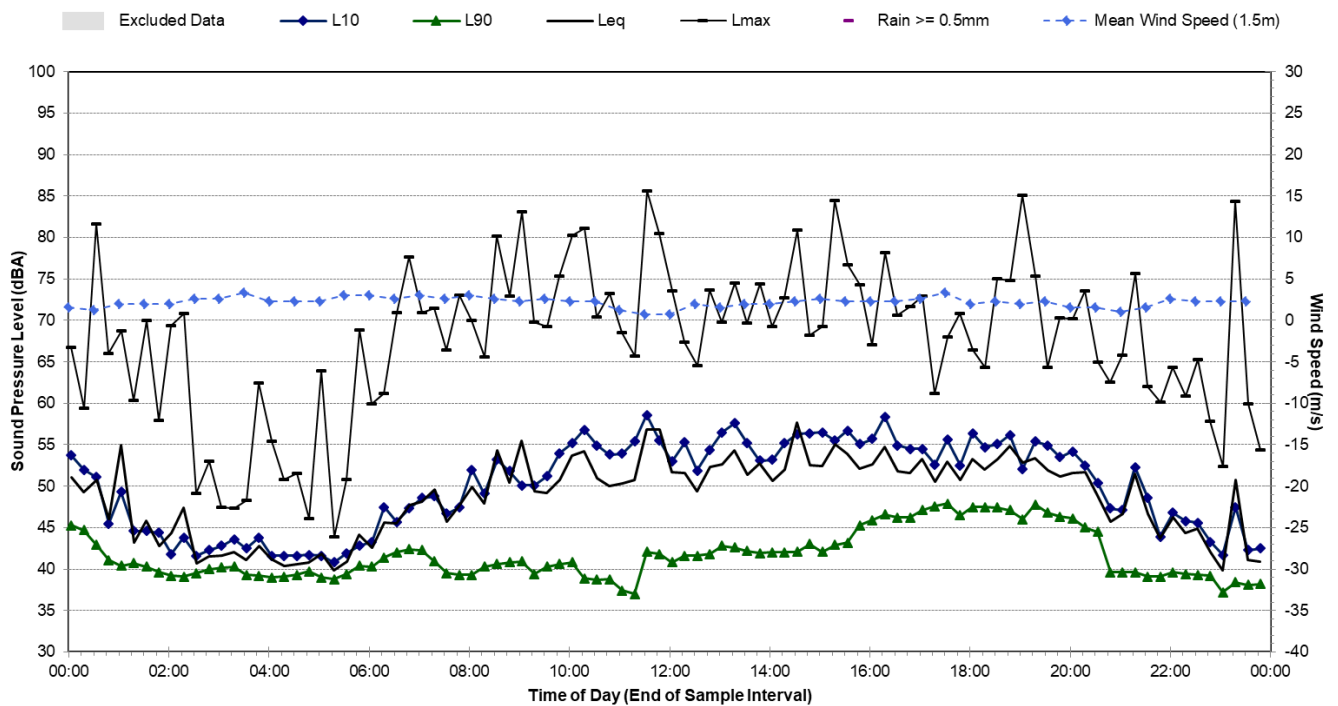
Statistical Ambient Noise Levels 21 Mansfield St, Rozelle - Friday, 17 May 2019



Statistical Ambient Noise Levels 21 Mansfield St, Rozelle - Saturday, 18 May 2019

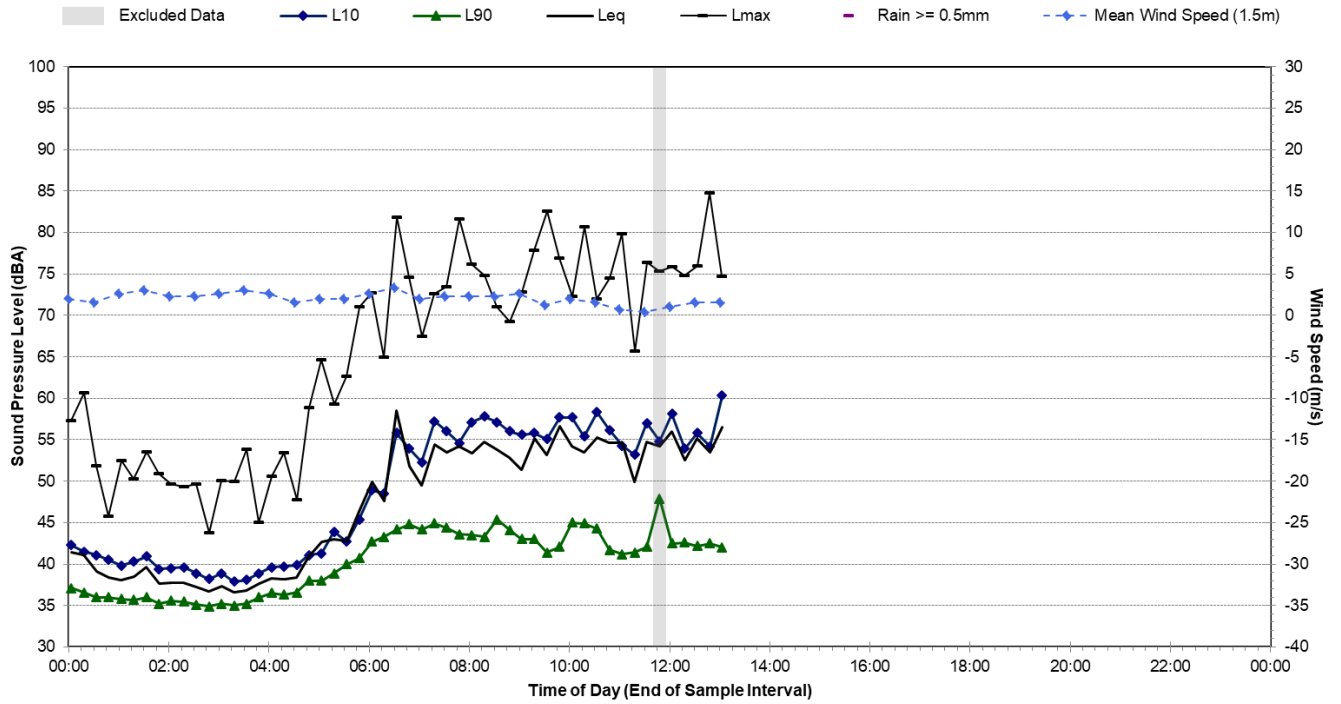


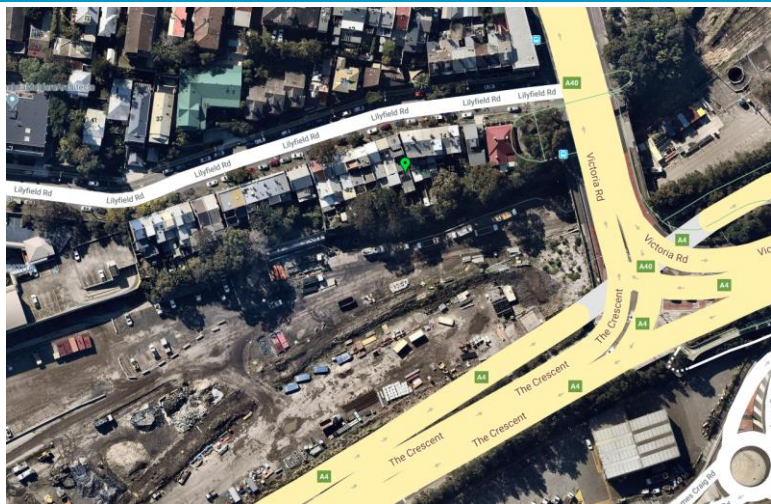

Statistical Ambient Noise Levels 21 Mansfield St, Rozelle - Sunday, 19 May 2019



Statistical Ambient Noise Levels

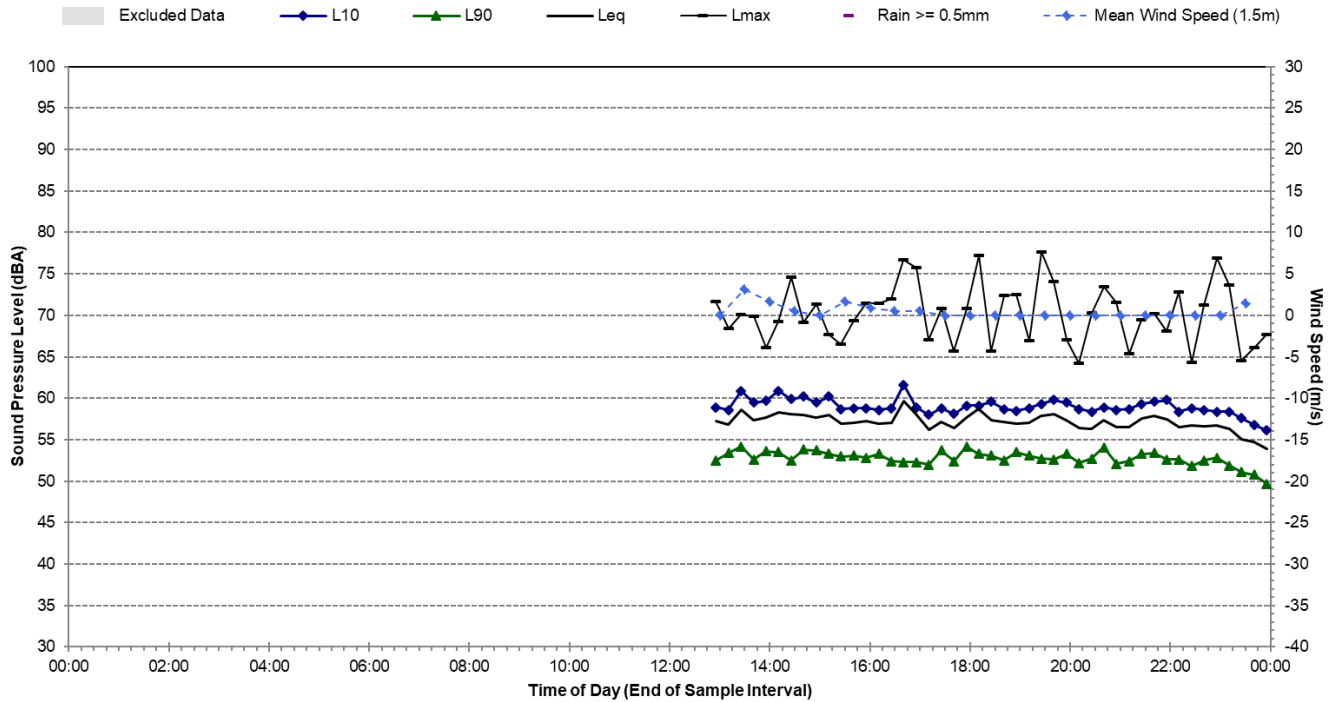
21 Mansfield St, Rozelle - Monday, 20 May 2019



Noise Monitoring Location		B.20			Map of Noise Monitoring Location	
Noise Monitoring Address		22 Lilyfield Rd, Rozelle				
Logger Device Type: Svantek 957, Logger Serial No: 23293 Sound Level Meter Device Type: Brüel and Kjær 2260, Sound Level Meter Serial No: 2414604						
Ambient noise data obtained as part of the WestConnex Project. Ambient noise logger located in the rear yard of 22 Lilyfield Road, Rozelle.						
Attended noise measurements indicate the ambient noise environment at this location is dominated by road traffic noise from Victoria Road to the east and City West Link to the south. Frequent aircraft noise contributes to the measured noise levels. Noise from heavy vehicles and horns was noted to occur regularly during the measurements.						
Measured noise levels: (LAmax): 21/07/2016: Light-vehicle traffic Victoria Road and City West Link: 55-68 dBA, Heavy-vehicle traffic Victoria Road and City West Link: 60-84 dBA, Aircraft: 61-69 dBA						
Ambient Noise Logging Results		ICNG Defined Time Periods				
Monitoring Period (21/07/2016 – 02/08/2016)		Noise Level (dBA)				
	RBL	LAeq	L10	L1		
Daytime		51	57	59	63	
Evening		51	57	59	62	
Night-time		45	54	55	59	
Ambient Noise Logging Results		RNP Defined Time Periods				
Monitoring Period (21/07/2016 – 02/08/2016)		Noise Level (dBA)				
	LAeq(period)		LAeq(1hour)			
Daytime (7am-10pm)		57		58		
Night-time (10pm-7am)		54		59		
Attended Noise Measurement Results						
Date		Start Time	Measured Noise Level (dBA)			
			LA90	LAeq	LAmix	
21/07/2016		12:05	54	59	84	

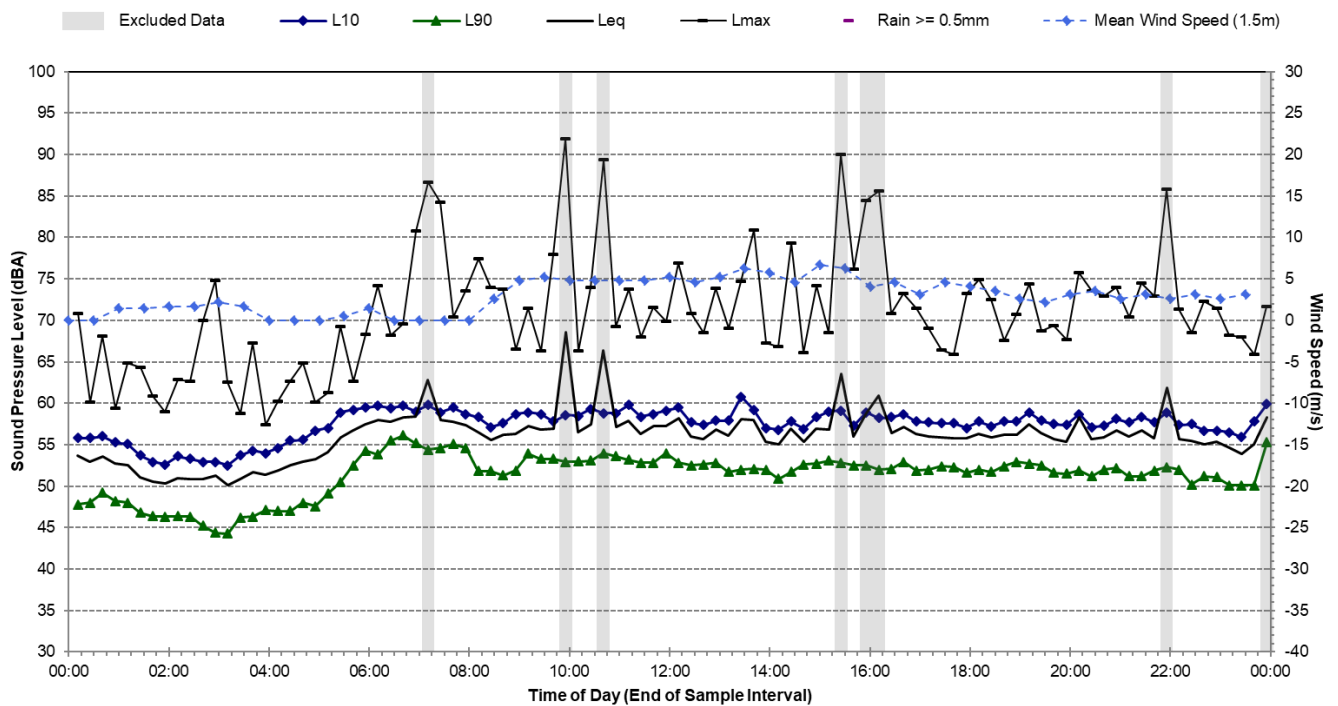
Statistical Ambient Noise Levels

22 Lilyfield Rd, Rozelle - Thursday, 21 July 2016



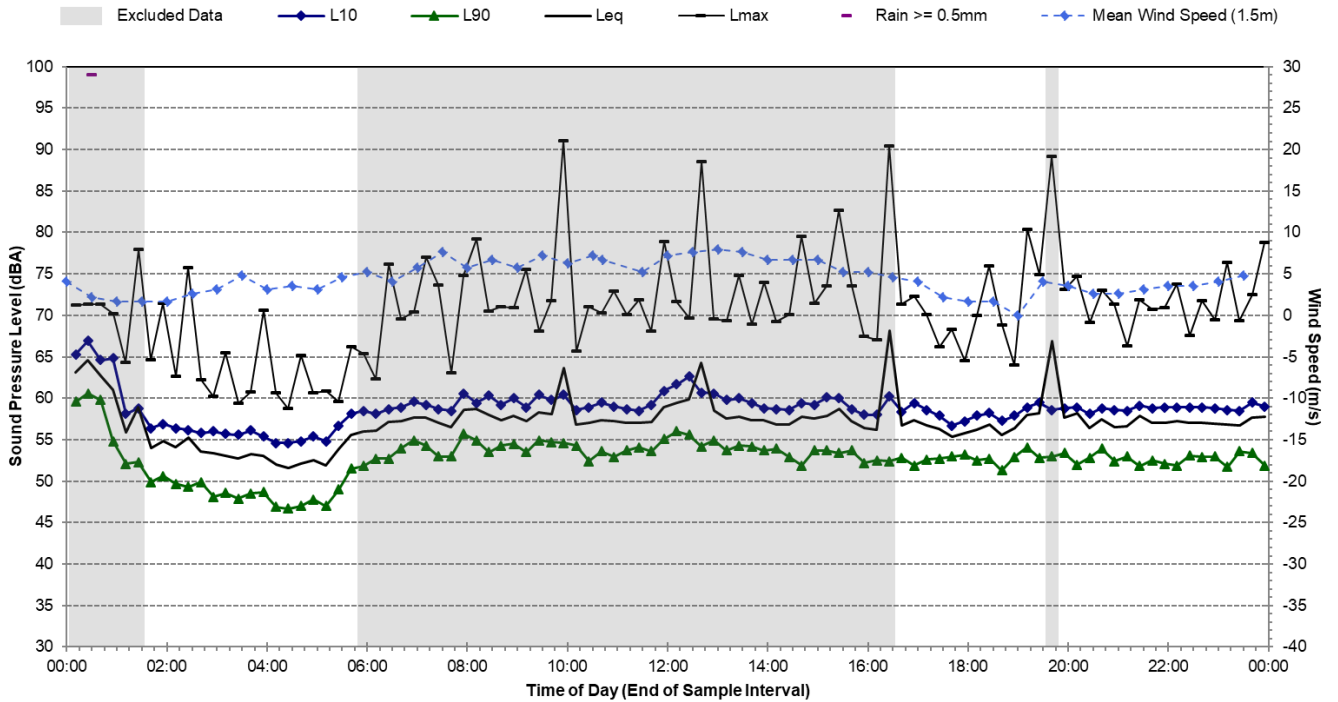
Statistical Ambient Noise Levels

22 Lilyfield Rd, Rozelle - Friday, 22 July 2016



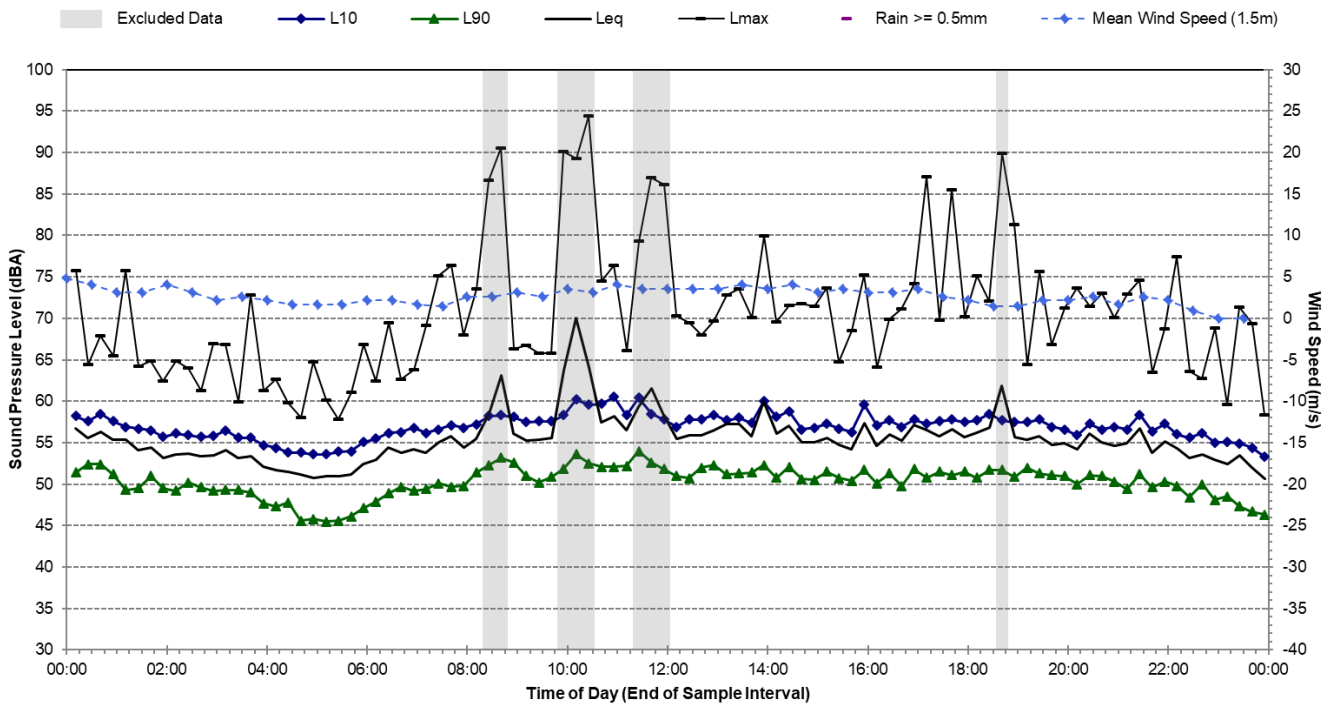
Statistical Ambient Noise Levels

22 Lilyfield Rd, Rozelle - Saturday, 23 July 2016



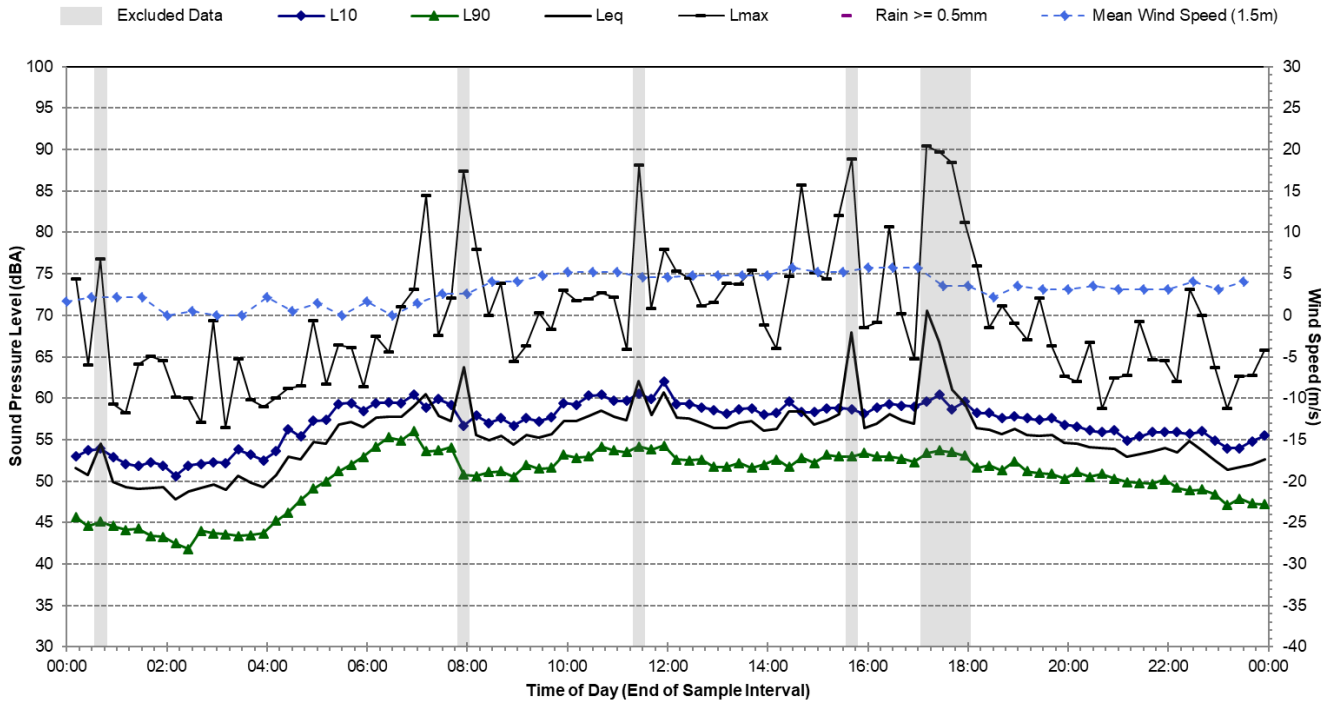
Statistical Ambient Noise Levels

22 Lilyfield Rd, Rozelle - Sunday, 24 July 2016



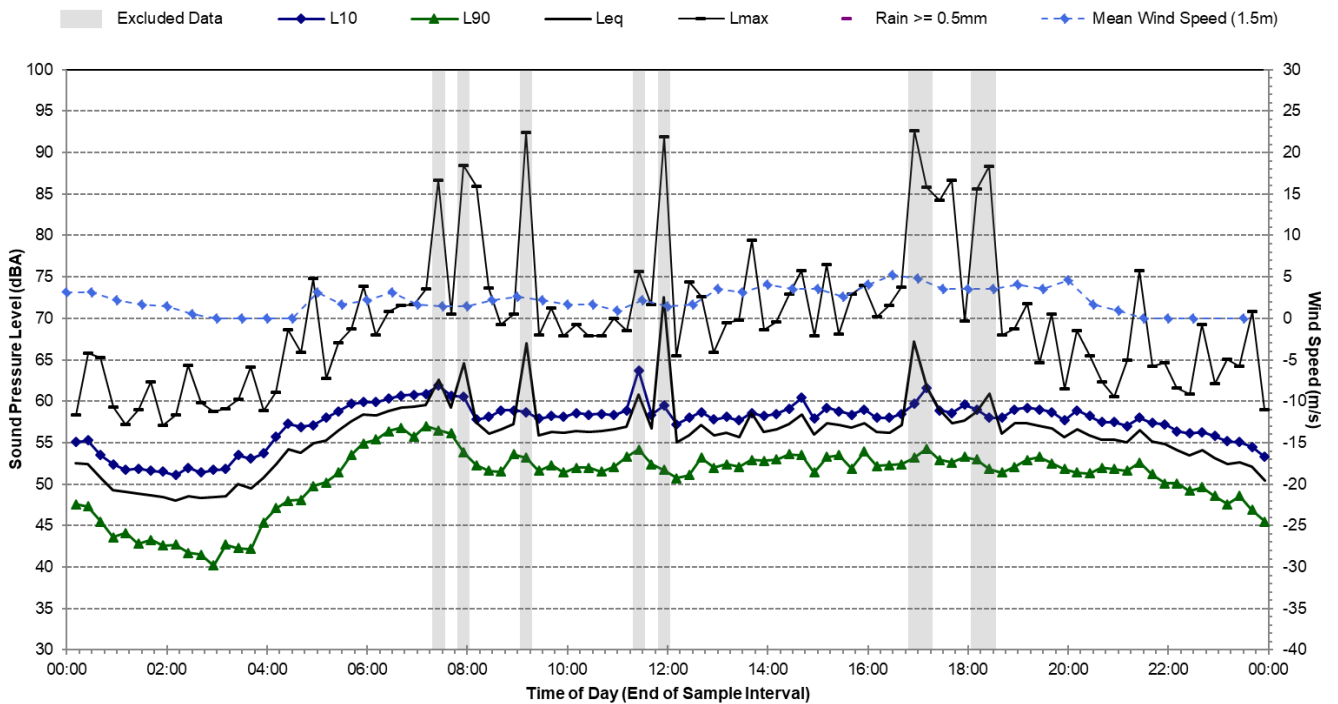
Statistical Ambient Noise Levels

22 Lilyfield Rd, Rozelle - Monday, 25 July 2016



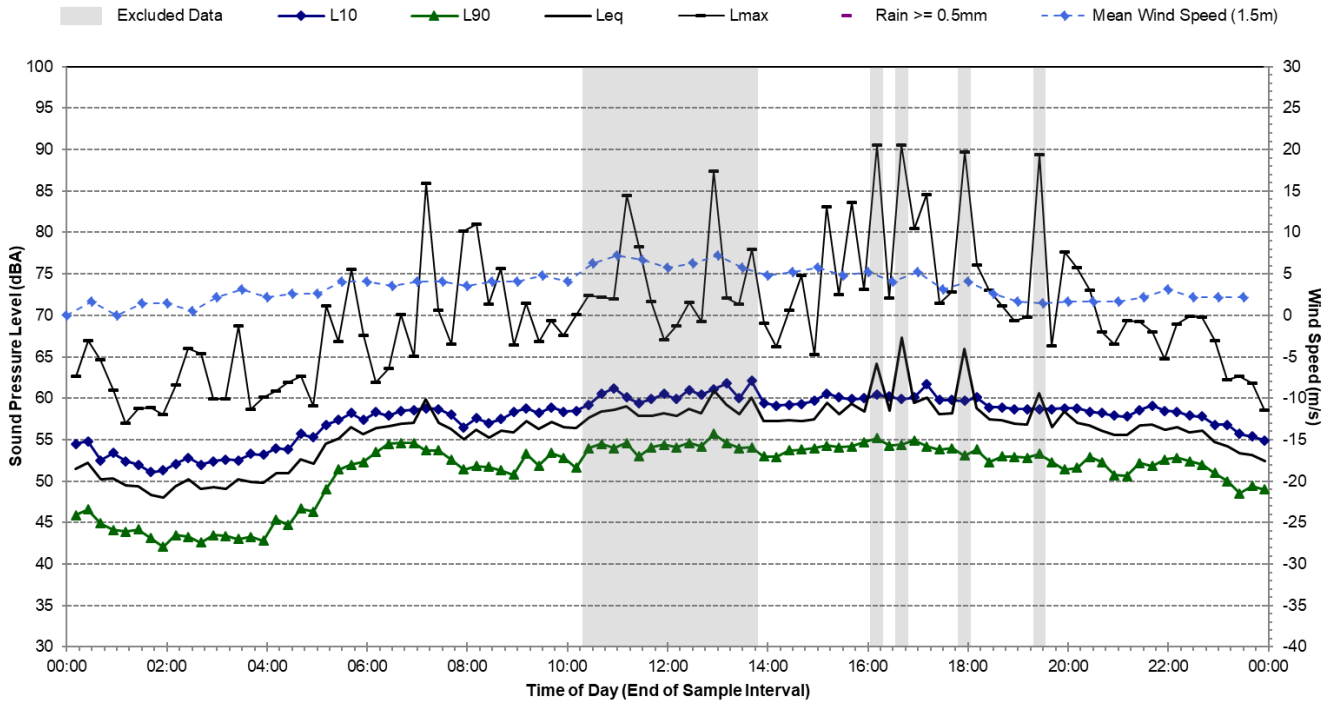
Statistical Ambient Noise Levels

22 Lilyfield Rd, Rozelle - Tuesday, 26 July 2016



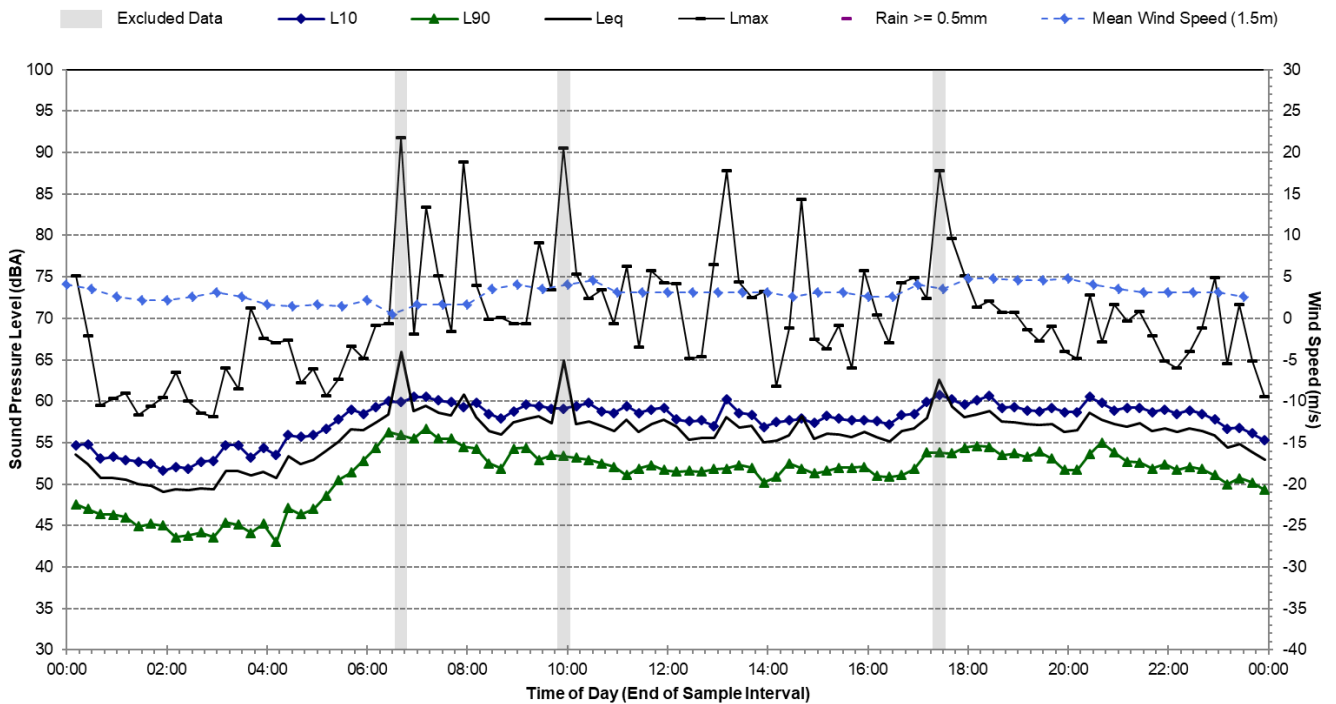
Statistical Ambient Noise Levels

22 Lilyfield Rd, Rozelle - Wednesday, 27 July 2016

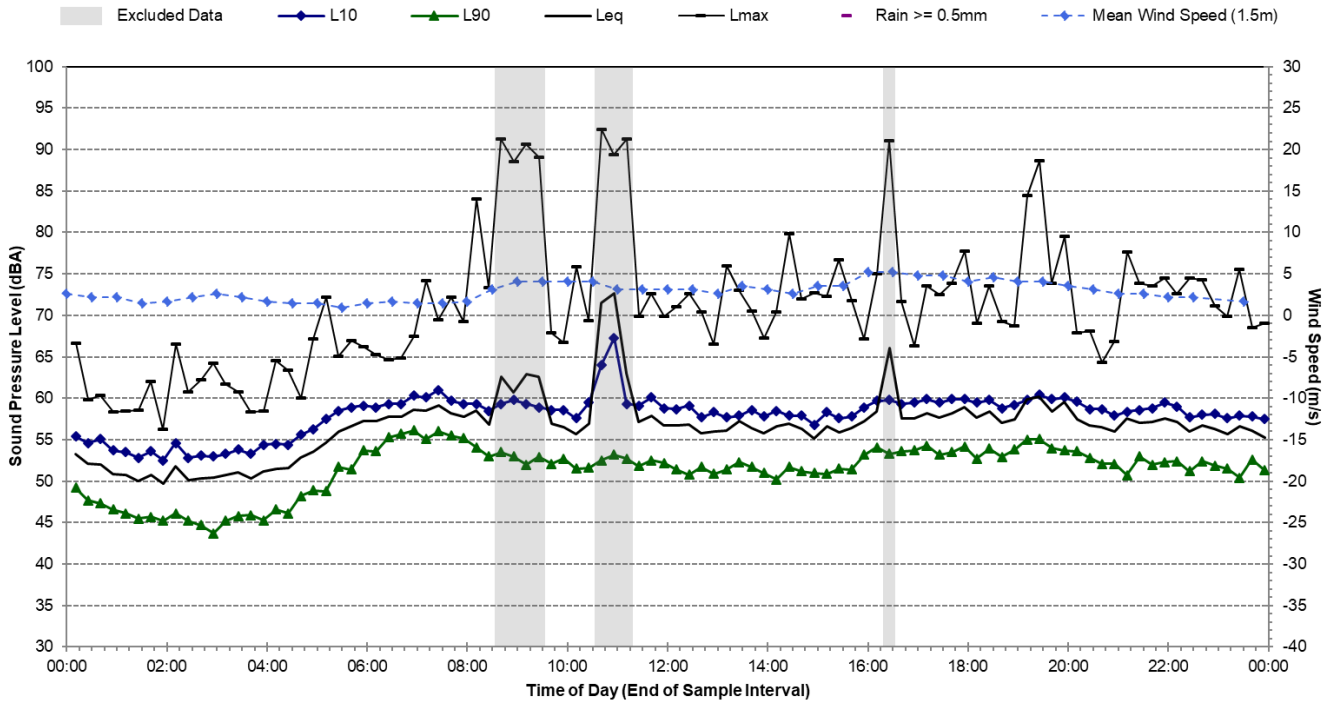


Statistical Ambient Noise Levels

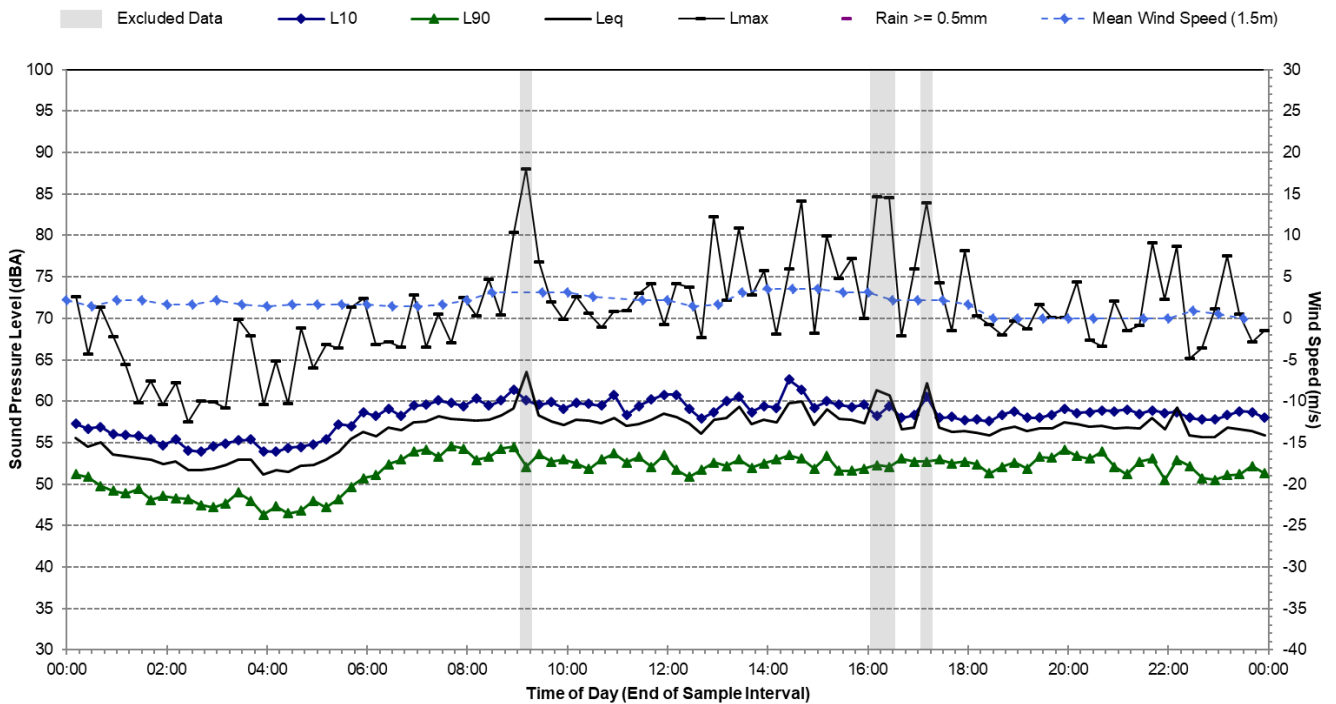
22 Lilyfield Rd, Rozelle - Thursday, 28 July 2016



Statistical Ambient Noise Levels 22 Lilyfield Rd, Rozelle - Friday, 29 July 2016

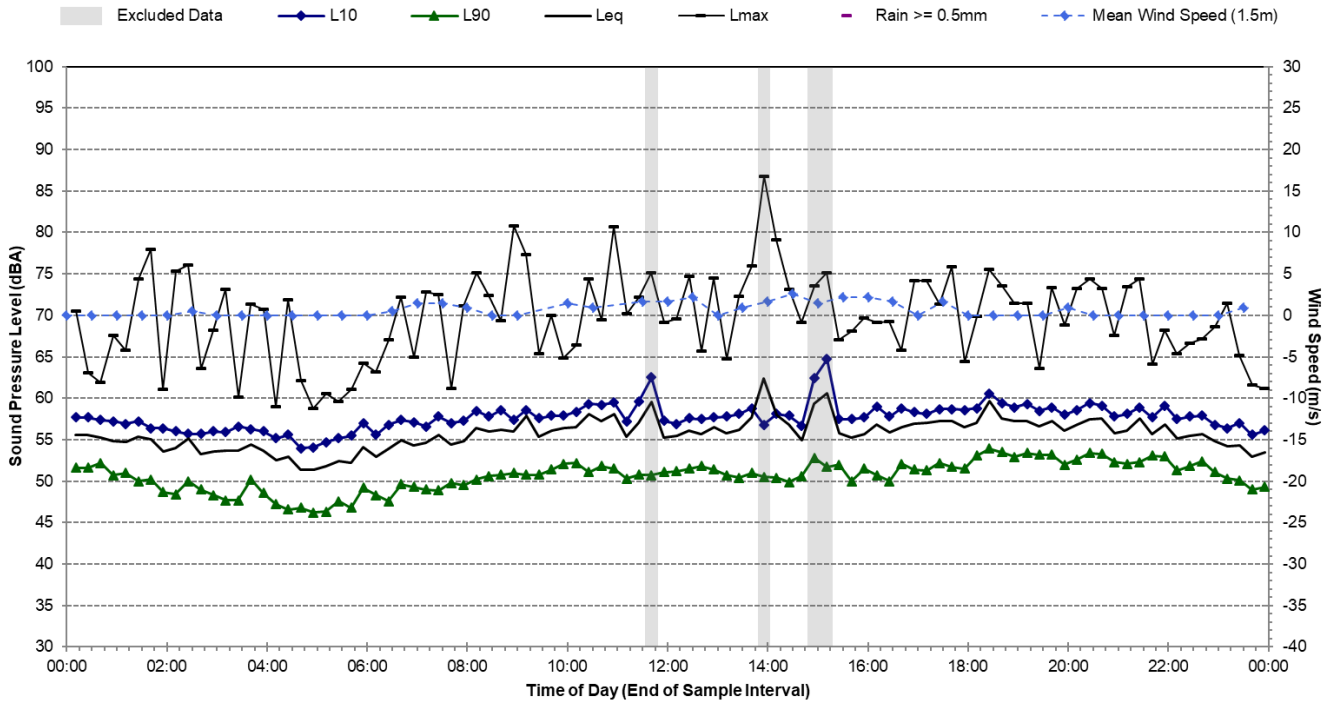


Statistical Ambient Noise Levels 22 Lilyfield Rd, Rozelle - Saturday, 30 July 2016



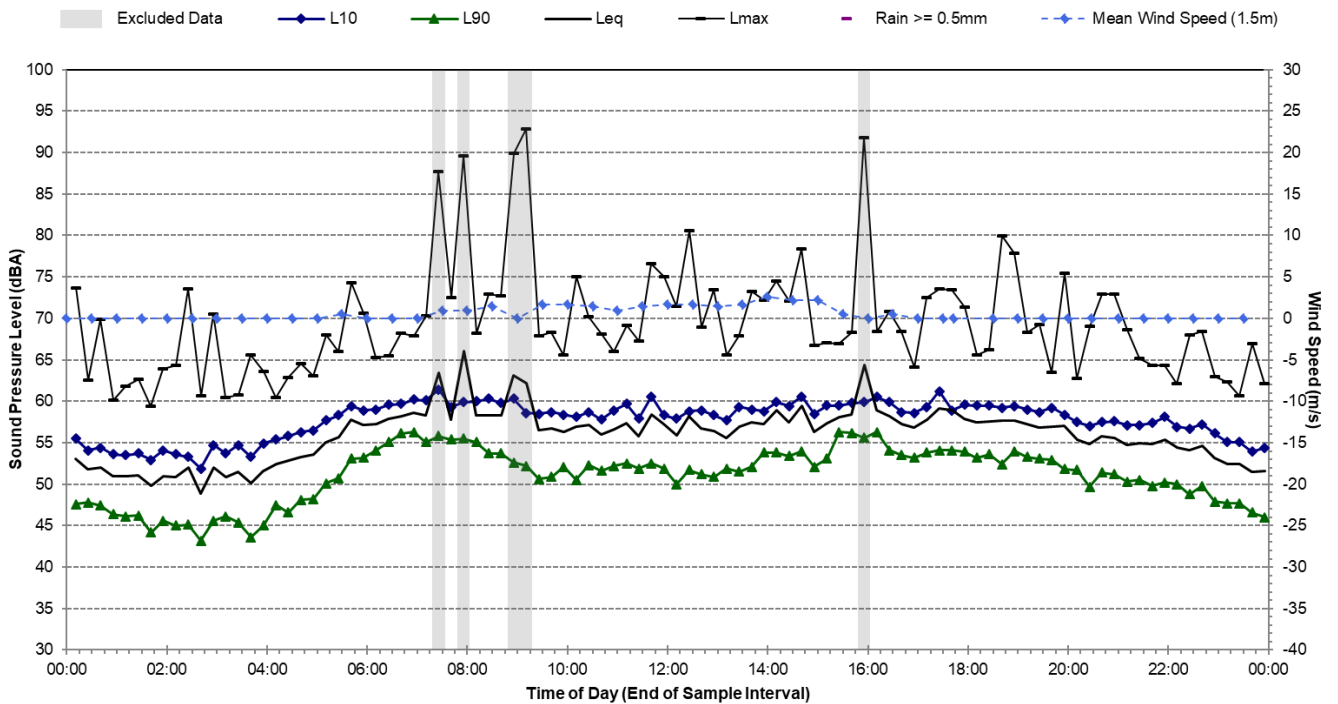
Statistical Ambient Noise Levels

22 Lilyfield Rd, Rozelle - Sunday, 31 July 2016



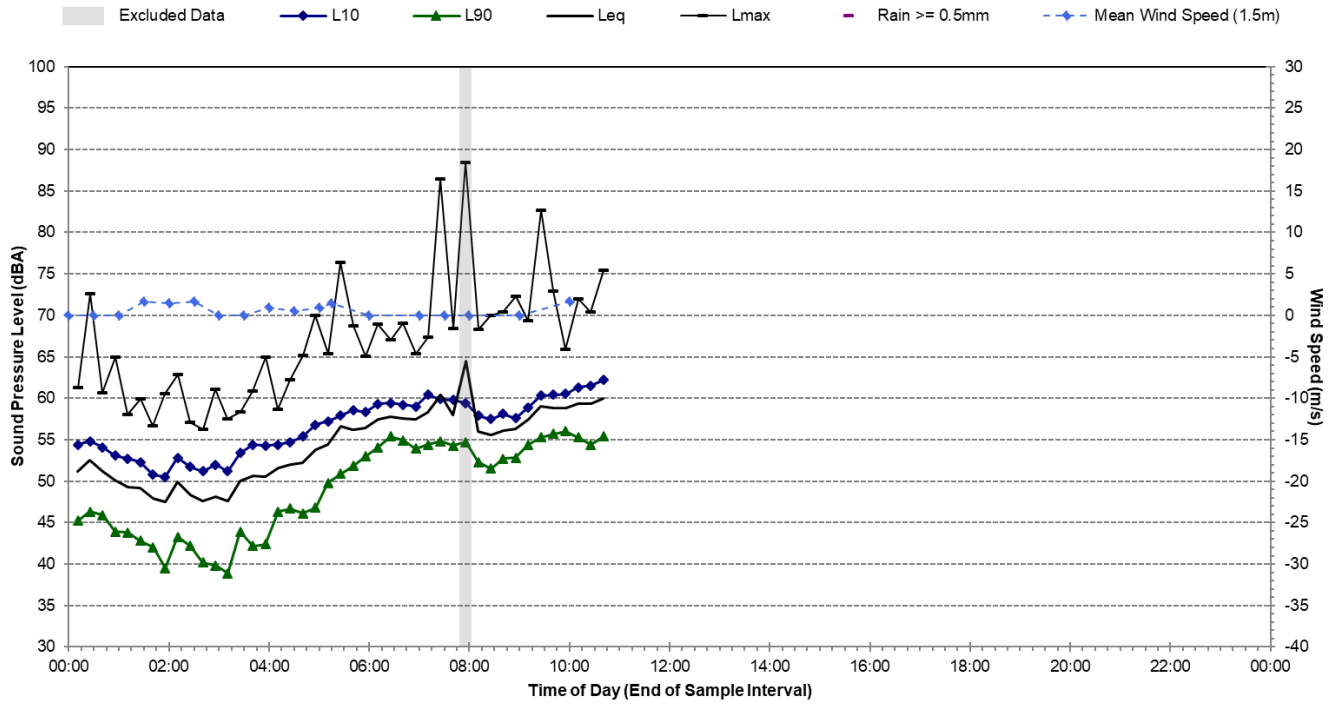
Statistical Ambient Noise Levels

22 Lilyfield Rd, Rozelle - Monday, 1 August 2016





Statistical Ambient Noise Levels

22 Lilyfield Rd, Rozelle - Tuesday, 2 August 2016



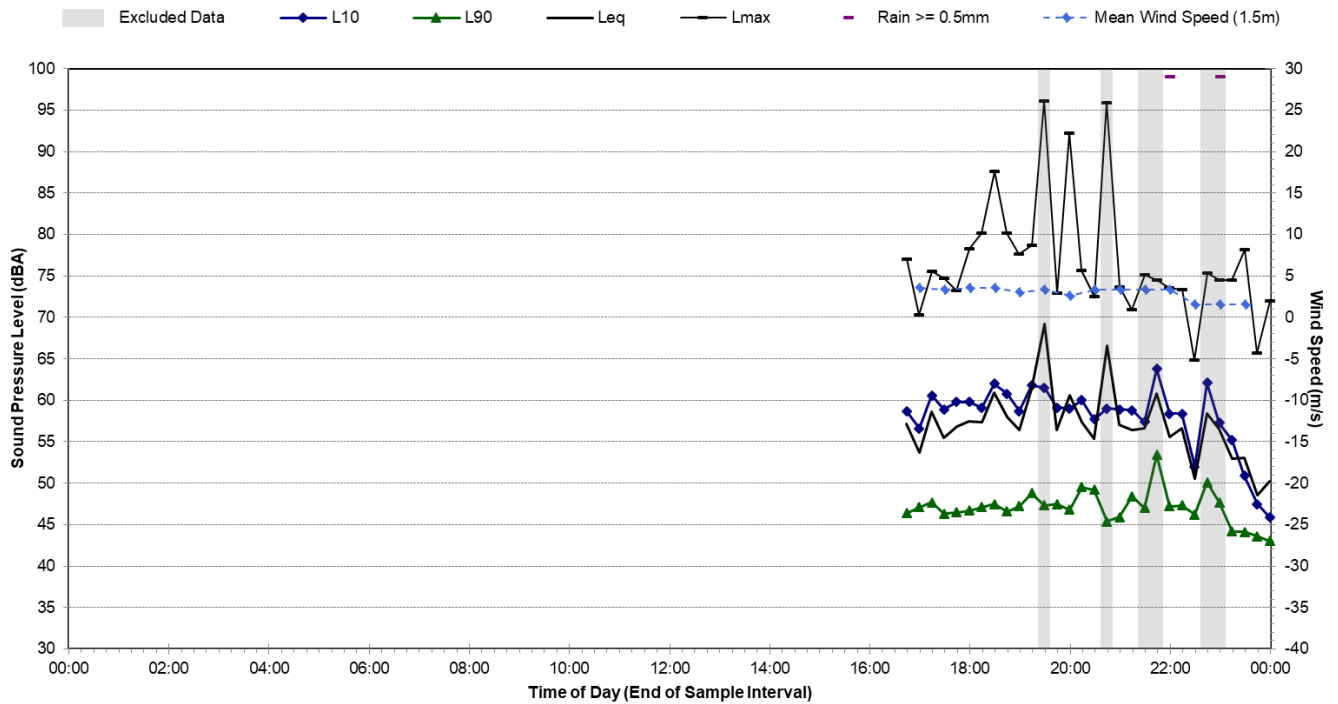
Noise Monitoring Location	B.21				Map of Noise Monitoring Location
Noise Monitoring Address	308 Glebe Point Road, Glebe				
Logger Device Type: SVAN957, Logger Serial No: 20677 Sound Level Meter Device Type: Brüel and Kjær 2260, Sound Level Meter Serial No: 2414604					
Ambient noise logger located at 308 Glebe Point Road, Glebe. Logger located with view of Glebe Point Road to the east and the Western Distributor to the north.					
Attended noise measurements indicate the ambient noise environment at this location is dominated by road traffic noise from Glebe Point Road. Aircraft noise also contributes to the measured levels.					
Measured noise levels (LAmax): 21/02/2019: Light-vehicle traffic Glebe Point Road: 58-67 dBA, Heavy-vehicle traffic Glebe Point Road: 69-78 dBA, Birds: 50 dBA, Aircraft: 52-68 dBA, Distant traffic Western Distributor:45-50 dBA					
Ambient Noise Logging Results ICNG Defined Time Periods					Photo of Noise Monitoring Location
Monitoring Period (21/02/2019 – 08/03/2019)	Noise Level (dBA)				
	RBL	LAeq	L10	L1	
	Daytime	48	59	60	
	Evening	47	58	59	68
	Night-time	39	51	48	60
Ambient Noise Logging Results RNP Defined Time Periods					
Monitoring Period (21/02/2019 – 08/03/2019)	Noise Level (dBA)				
	LAeq(period)		LAeq(1hour)		
	Daytime (7am-10pm)	58	61		
Night-time (10pm-7am)	52	61			
Attended Noise Measurement Results					
Date	Start Time	Measured Noise Level (dBA)			
		LA90	LAeq	LAmax	
21/02/2019	15:20	47	57	78	





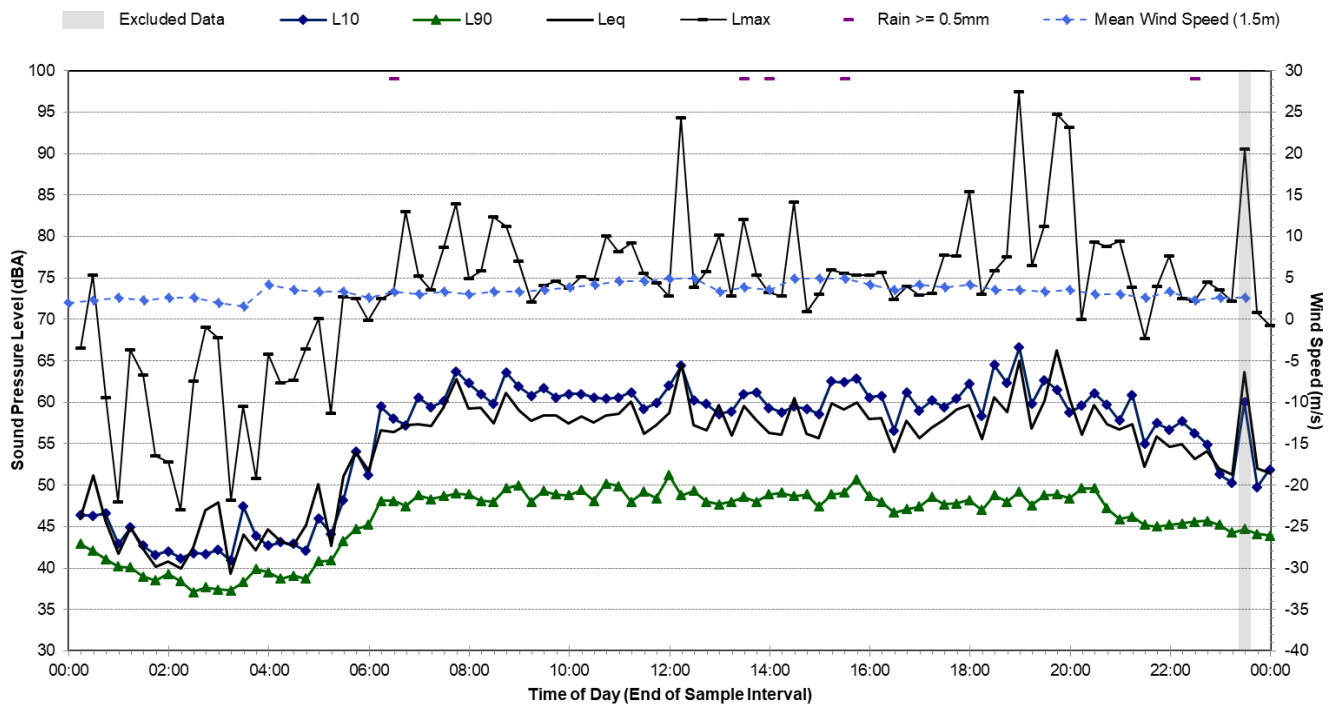
Statistical Ambient Noise Levels

308 Glebe Point Rd, Glebe - Thursday, 21 February 2019



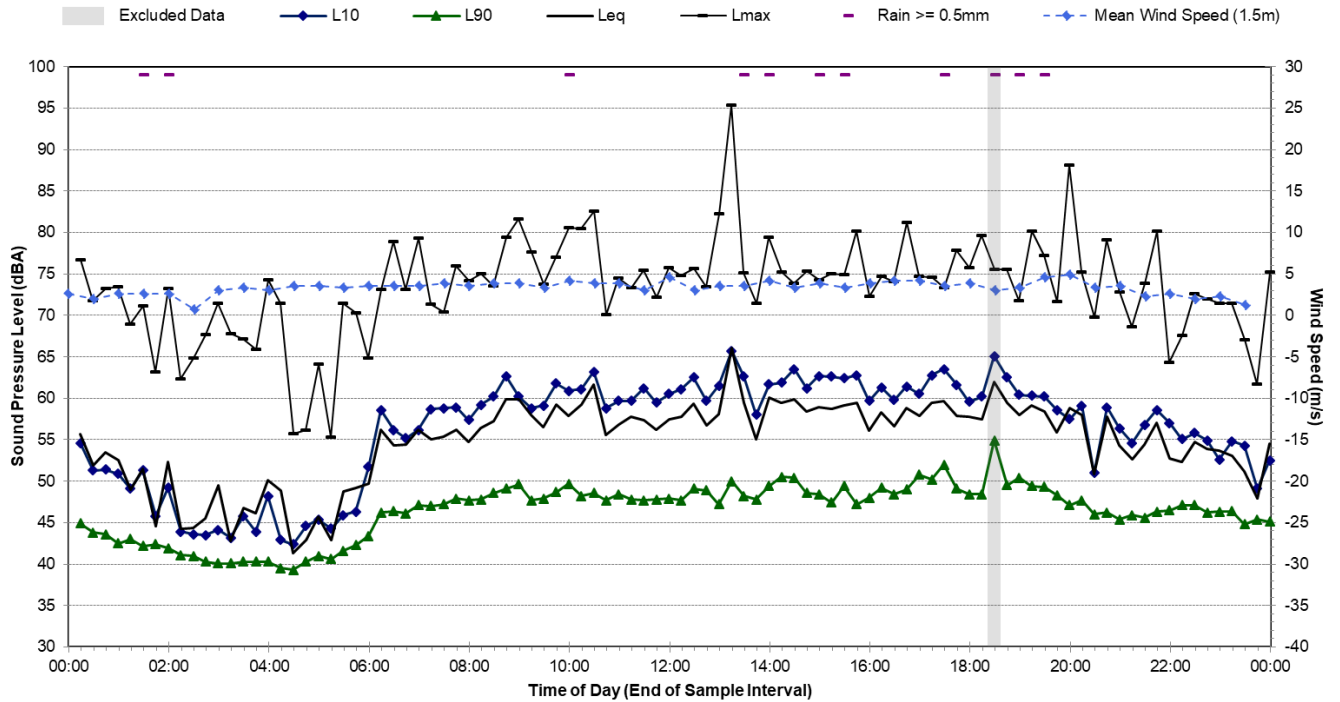
Statistical Ambient Noise Levels

308 Glebe Point Rd, Glebe - Friday, 22 February 2019



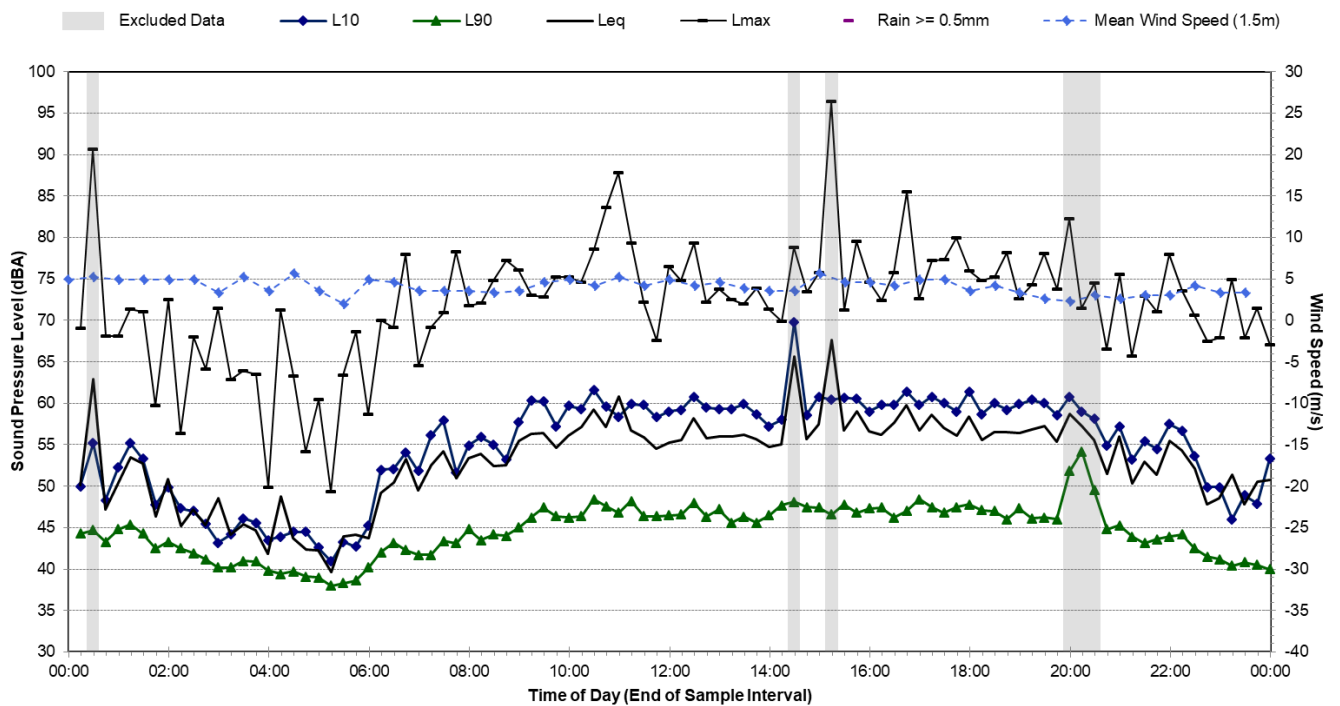
Statistical Ambient Noise Levels

308 Glebe Point Rd, Glebe - Saturday, 23 February 2019



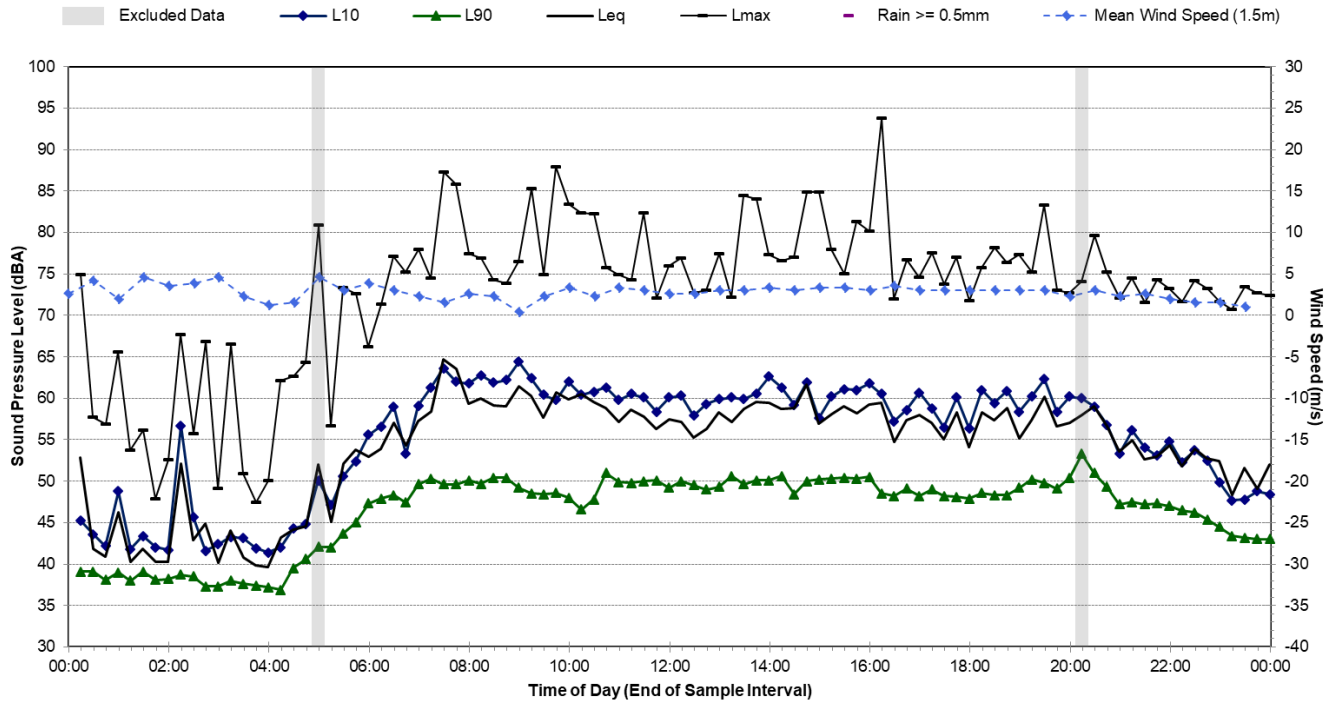
Statistical Ambient Noise Levels

308 Glebe Point Rd, Glebe - Sunday, 24 February 2019



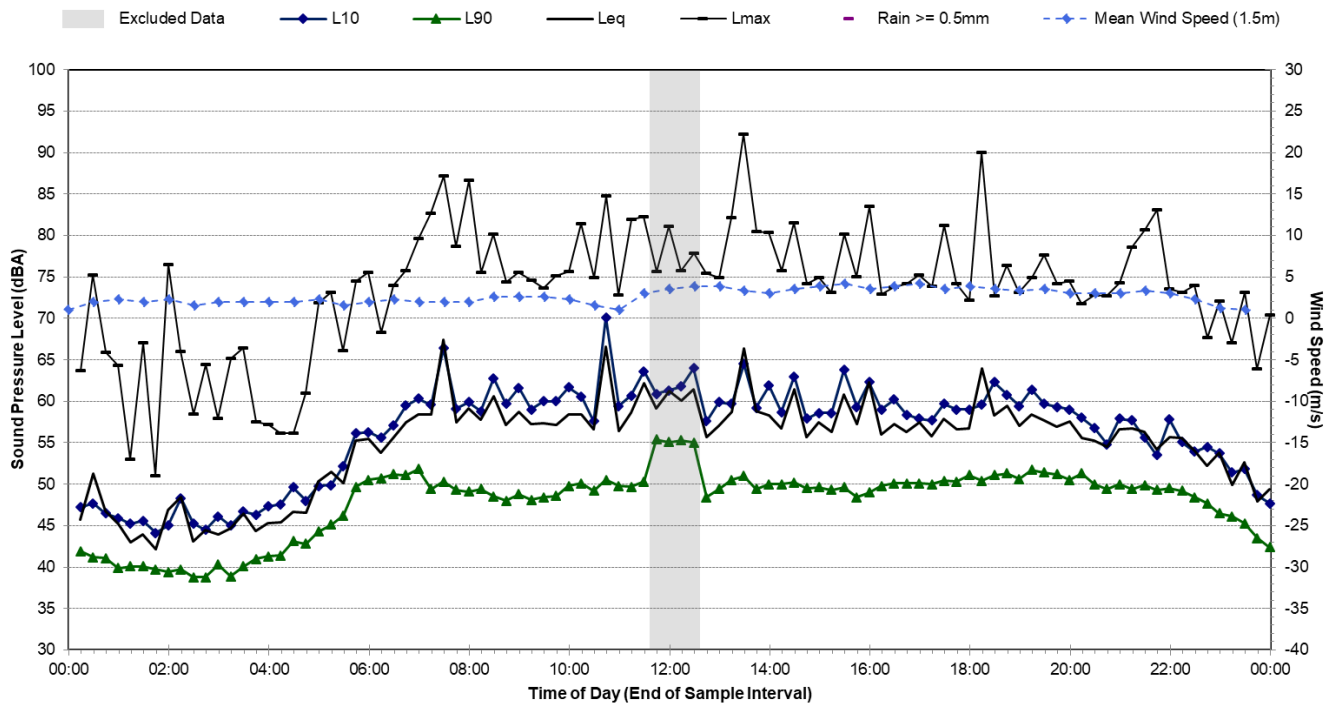
Statistical Ambient Noise Levels

308 Glebe Point Rd, Glebe - Monday, 25 February 2019



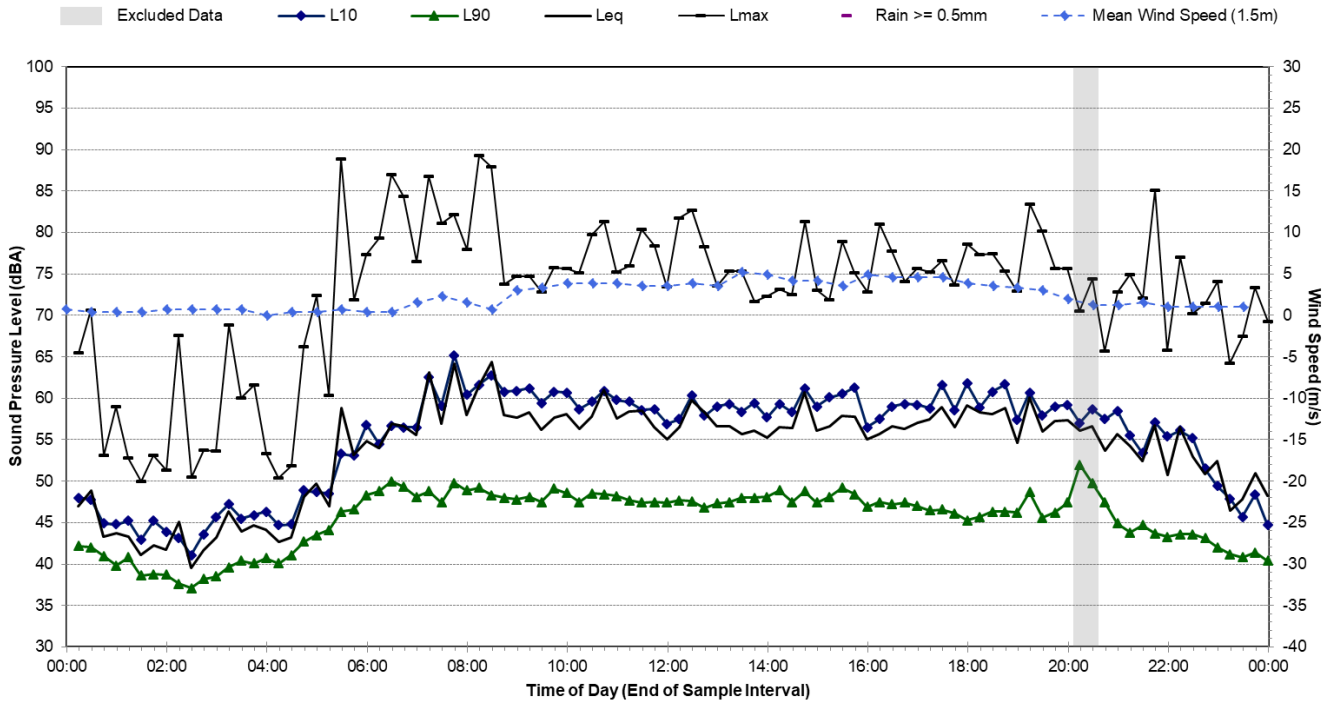
Statistical Ambient Noise Levels

308 Glebe Point Rd, Glebe - Tuesday, 26 February 2019



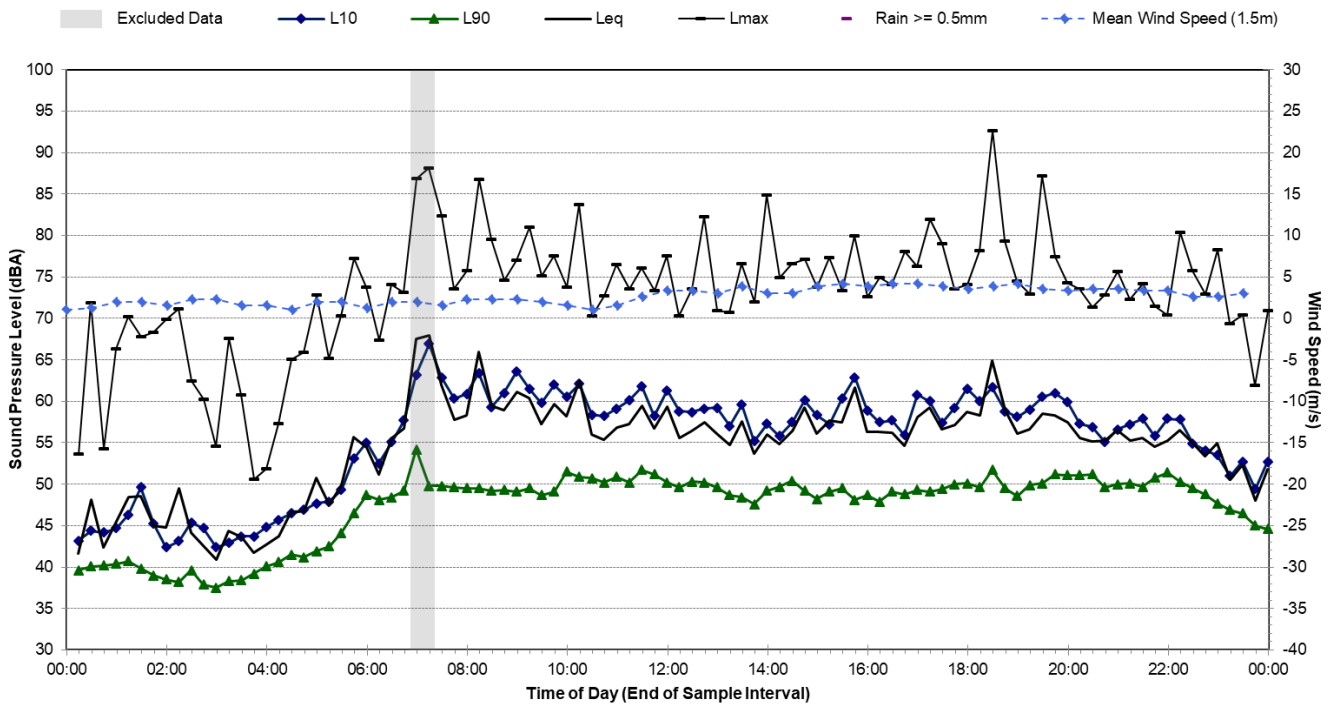
Statistical Ambient Noise Levels

308 Glebe Point Rd, Glebe - Wednesday, 27 February 2019



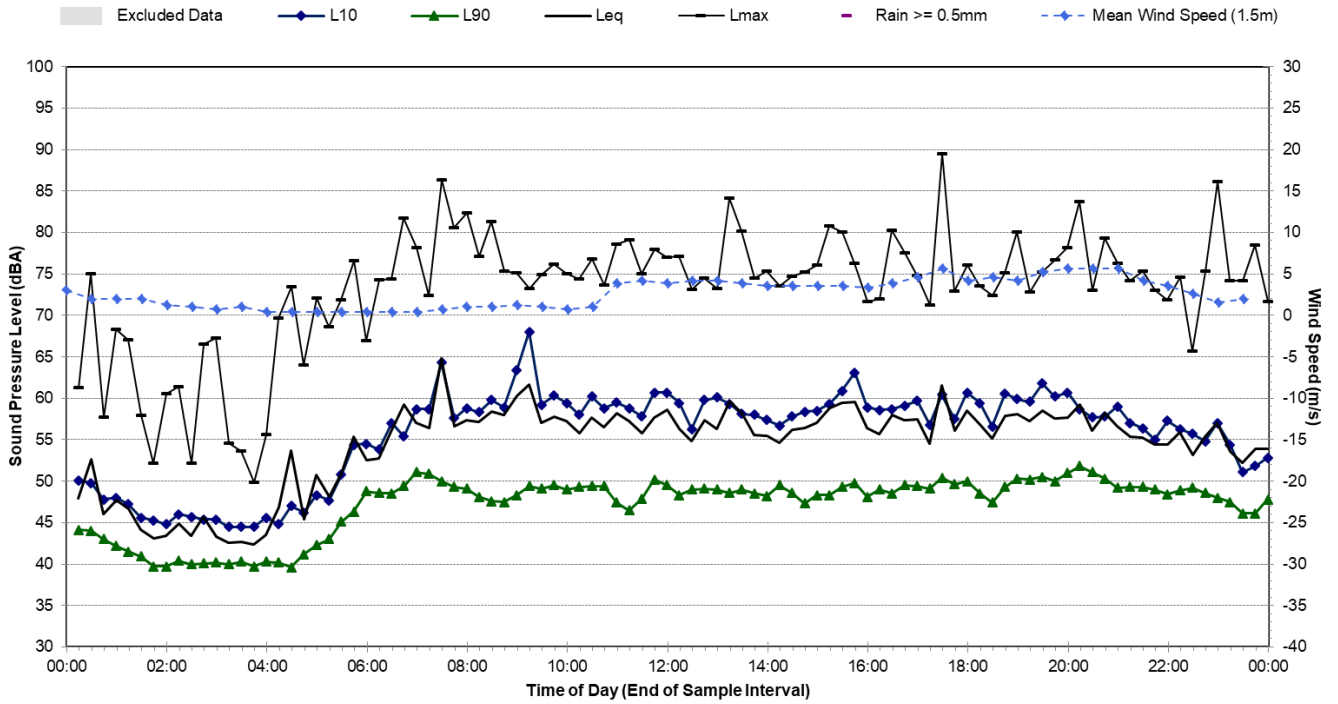
Statistical Ambient Noise Levels

308 Glebe Point Rd, Glebe - Thursday, 28 February 2019



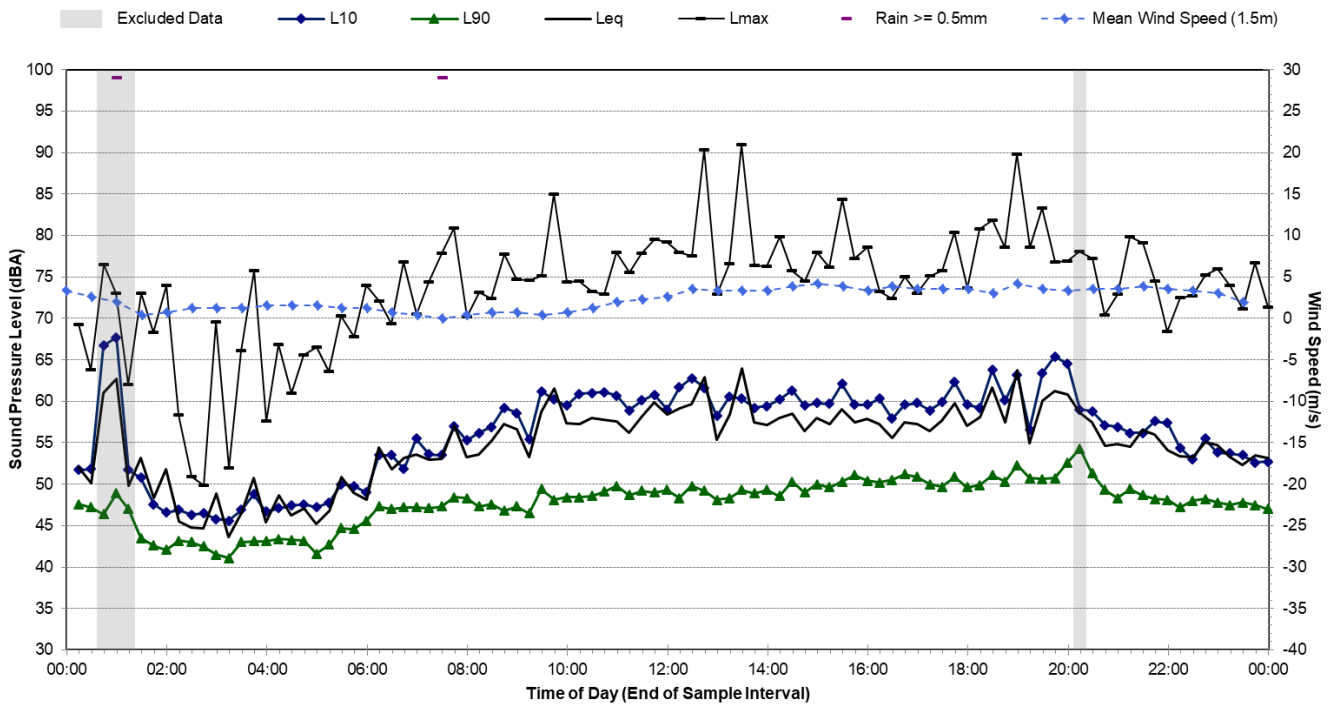
Statistical Ambient Noise Levels

308 Glebe Point Rd, Glebe - Friday, 1 March 2019



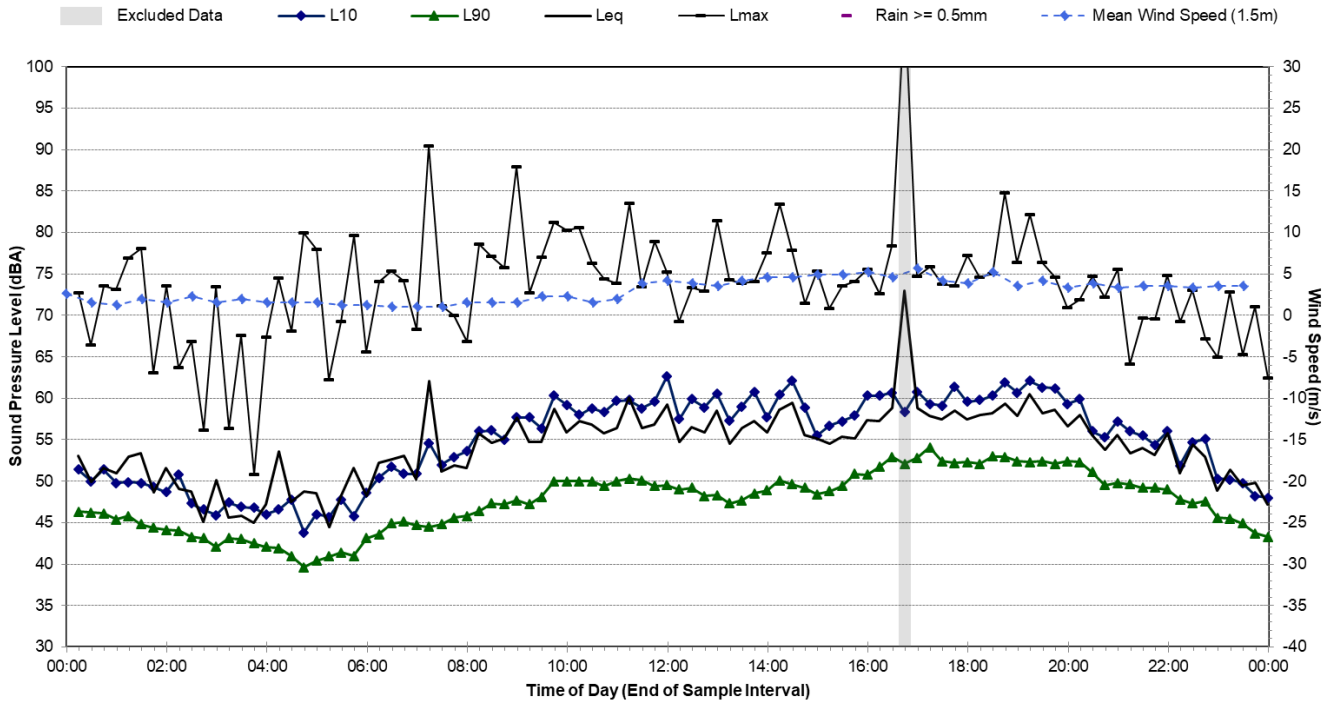
Statistical Ambient Noise Levels

308 Glebe Point Rd, Glebe - Saturday, 2 March 2019



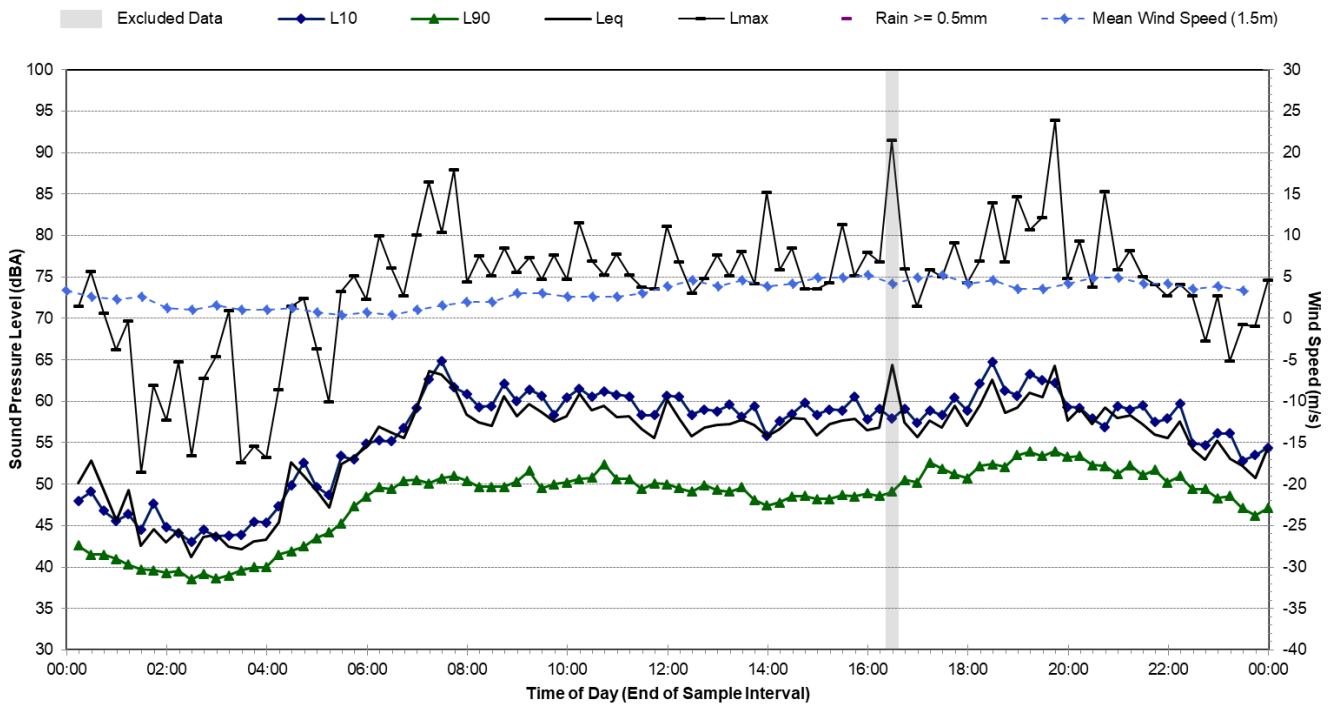
Statistical Ambient Noise Levels

308 Glebe Point Rd, Glebe - Sunday, 3 March 2019



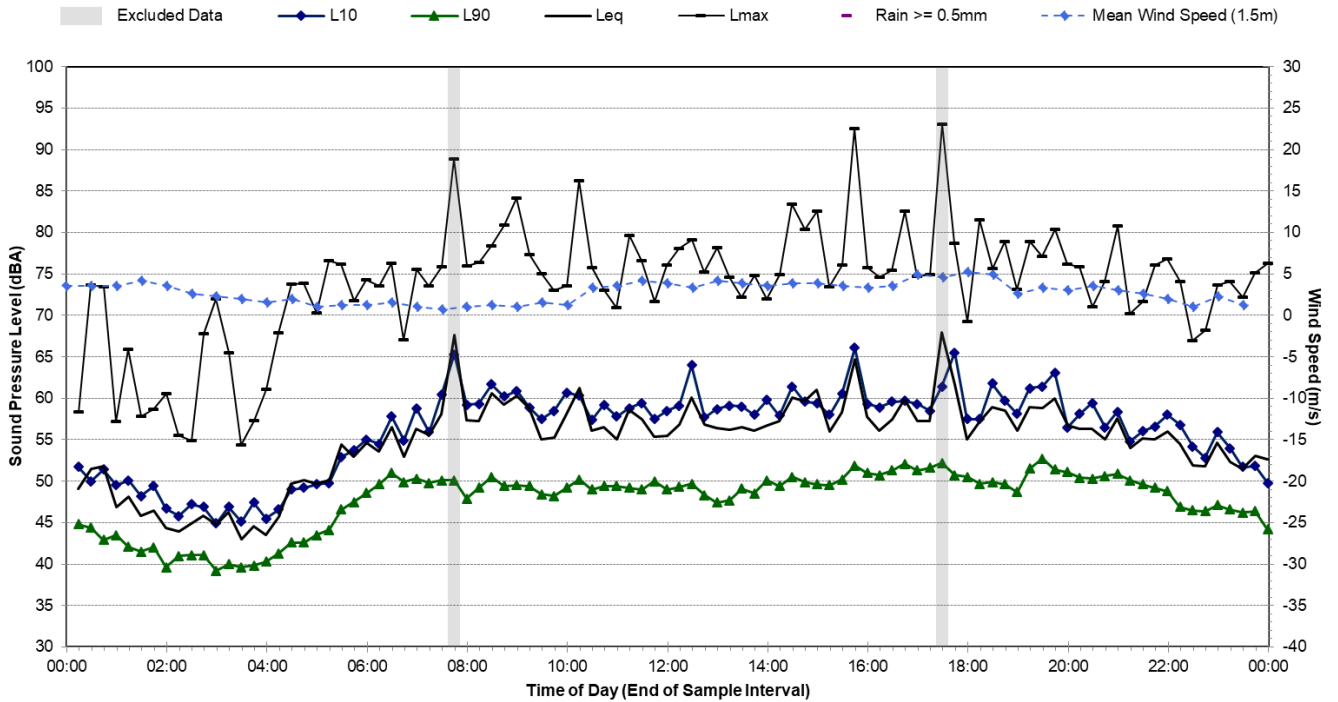
Statistical Ambient Noise Levels

308 Glebe Point Rd, Glebe - Monday, 4 March 2019



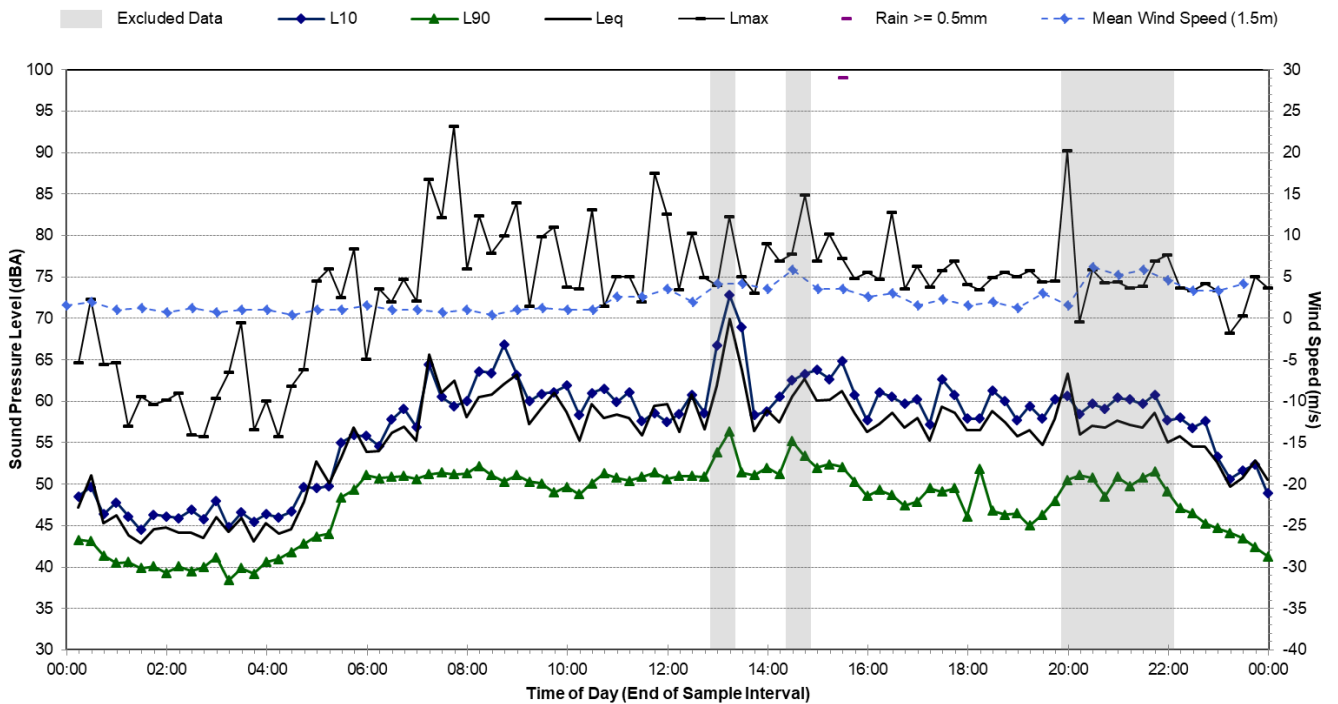
Statistical Ambient Noise Levels

308 Glebe Point Rd, Glebe - Tuesday, 5 March 2019



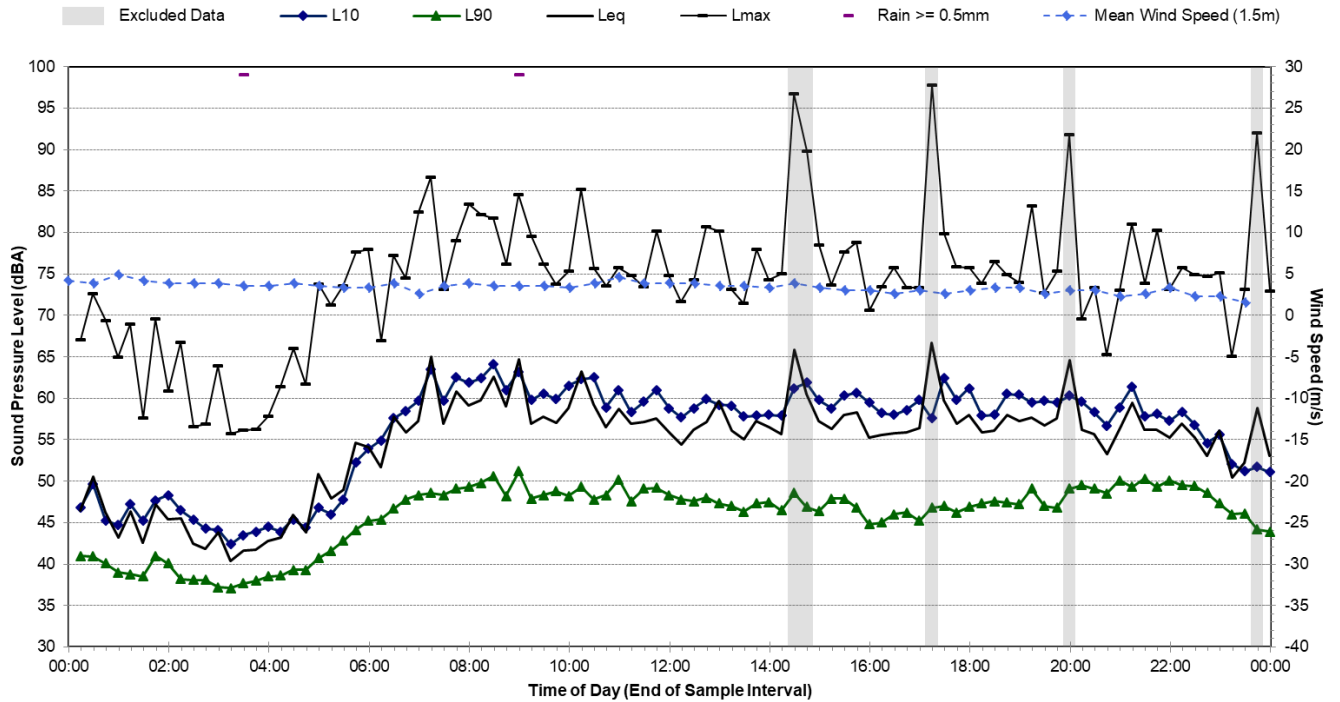
Statistical Ambient Noise Levels

308 Glebe Point Rd, Glebe - Wednesday, 6 March 2019



Statistical Ambient Noise Levels

308 Glebe Point Rd, Glebe - Thursday, 7 March 2019



Statistical Ambient Noise Levels

308 Glebe Point Rd, Glebe - Friday, 8 March 2019

