

Appendix 15.3: Background Sound Data Analysis

Measurement Location 1 - DAYTIME

Table A15.3.1: Measurement Location 1 – Daytime Background Sound Level Analysis. Free-field, dB(A)

Descriptor	4th Sept 11:15 to 23:00	5th Sept 07:00 to 23:00	6th Sept 07:00 to 23:00	7th Sept 07:00 to 23:00	8th Sept 07:00 to 12:00	All Daytime s
Minimum $L_{A90, 15\text{minutes}}$	24	25	24	22	31	22
Maximum $L_{A90, 15\text{minutes}}$	38	33	35	39	35	39
Log Average $L_{A90, 15\text{minutes}}$	31	29	31	32	33	31
Linear Average $L_{A90, 15\text{minutes}}$	30	29	30	30	33	30
Most common $L_{A90, 15\text{minutes}}$	28	30	31	29	33	29
Period $L_{A90,T}$	28	28	28	28	32	29

Graph A15.3.1 Measurement Location 1 Daytime Sound Level Histogram Between 4th September and 8th September, $L_{A90,15\text{minutes}}$ Free-field dB(A)

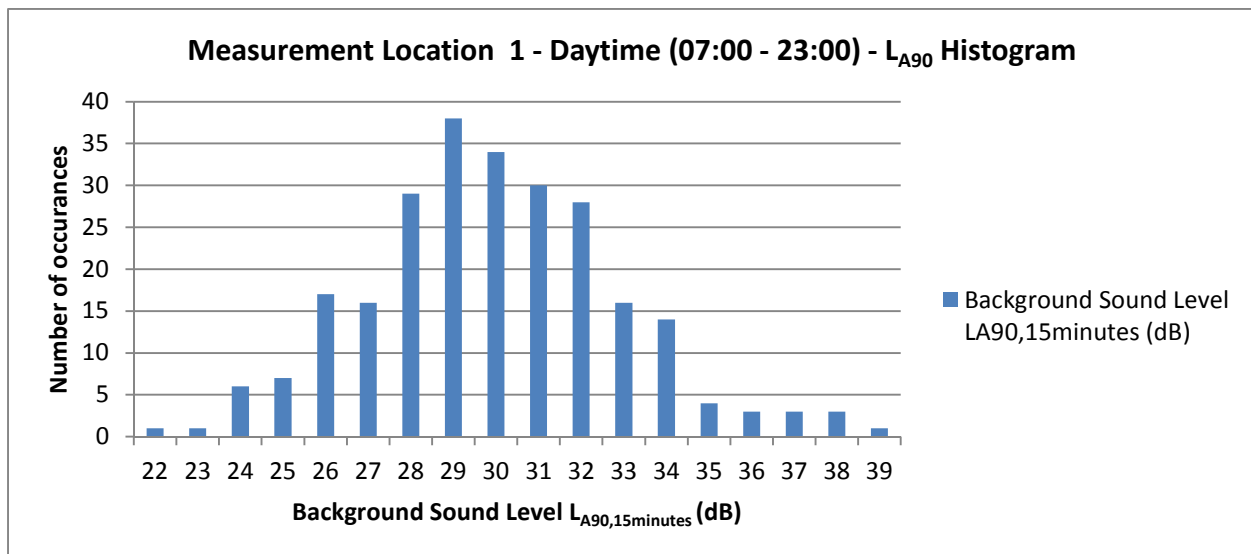


Table A15.3.2: Measurement Location 1 – Selected Daytime Background Sound Level, Free-field, dB(A)

Selected Daytime Background Sound Level ($L_{A90,T}$)
28

Measurement Location 1 – NIGHT-TIME

Table A15.3.3: Measurement Location 1 – Night-time Background Sound Level Analysis. Free-field, dB(A)

Descriptor	4th Sept to 23:00 to 07:00	5th Sept to 23:00 to 07:00	6th Sept to 23:00 to 07:00	7th Sept to 23:00 to 07:00	All Night-time s
Minimum $L_{A90, 15\text{minutes}}$	18	19	18	24	18
Maximum $L_{A90, 15\text{minutes}}$	29	26	28	31	31
Log Average $L_{A90, 15\text{minutes}}$	23	22	23	33	28
Linear Average $L_{A90, 15\text{minutes}}$	22	22	22	29	22
Most common $L_{A90, 15\text{minutes}}$	18	20	21	21	21
Period $L_{A90,T}$	19	21	21	21	20

Graph A15.3.2 Measurement Location 1 Night-time Sound Level Histogram Between 4th September and 7th September, $L_{A90,15\text{minutes}}$ Free-field dB(A)

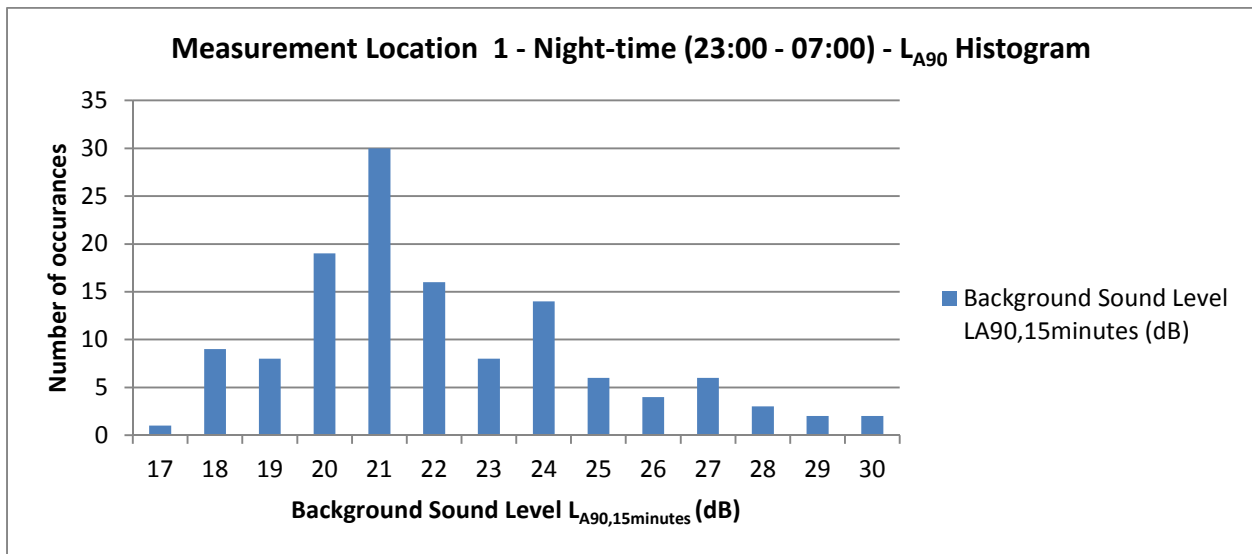


Table A15.3.4: Measurement Location 1 – Selected Night-time Background Sound Level, Free-field, dB(A)

Selected Daytime Background Sound Level ($L_{A90,T}$)
21

Measurement Location 2 - DAYTIME

Table A15.3.5: Measurement Location 2 – Daytime Background Sound Level Analysis. Free-field, dB(A)

Descriptor	4th Sept 14:30 to 23:00	5th Sept 07:00 to 23:00	6th Sept 07:00 to 23:00	7th Sept 07:00 to 23:00	8th Sept 07:00 to 11:45	All Daytime s
Minimum $L_{A90, 15\text{minutes}}$	21	22	22	21	26	21
Maximum $L_{A90, 15\text{minutes}}$	33	30	33	33	31	33
Log Average $L_{A90, 15\text{minutes}}$	27	25	26	27	29	27
Linear Average $L_{A90, 15\text{minutes}}$	26	26	27	28	29	26
Most common $L_{A90, 15\text{minutes}}$	27	26	27	25	27	26
Period $L_{A90,T}$	24	25	25	25	28	26

Graph A15.3.3 Measurement Location 2 Daytime Sound Level Histogram Between 4th September and 8th September, $L_{A90,15\text{minutes}}$ Free-field dB(A)

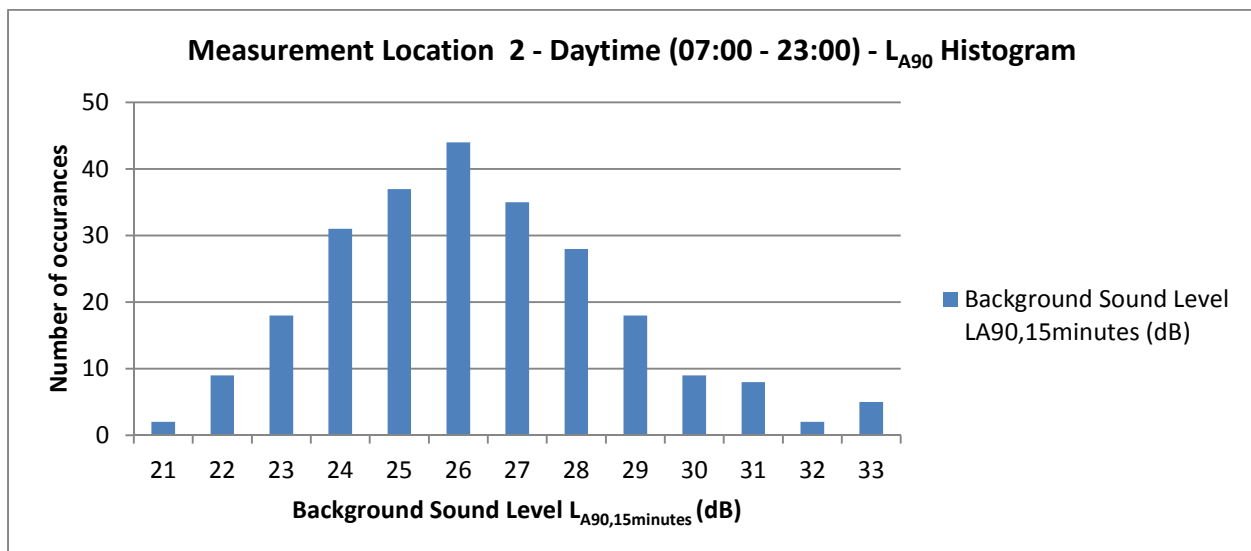


Table A15.3.6: Measurement Location 2 – Selected Daytime Background Sound Level, Free-field, dB(A)

Selected Daytime Background Sound Level ($L_{A90,T}$)
25

Measurement Location 2 – NIGHT-TIME

Table A15.3.7: Measurement Location 2 – Night-time Background Sound Level Analysis. Free-field, dB(A)

Descriptor	4th Sept to 23:00 to 07:00	5th Sept to 23:00 to 07:00	6th Sept to 23:00 to 07:00	7th Sept to 23:00 to 07:00	All Night-time s
Minimum $L_{A90, 15\text{minutes}}$	17	17	18	21	17
Maximum $L_{A90, 15\text{minutes}}$	26	25	26	30	30
Log Average $L_{A90, 15\text{minutes}}$	21	21	21	33	28
Linear Average $L_{A90, 15\text{minutes}}$	19	20	21	29	20
Most common $L_{A90, 15\text{minutes}}$	18	20	19	20	19
Period $L_{A90,T}$	18	19	19	19	19

Graph A15.3.4 Measurement Location 2 Night-time Sound Level Histogram Between 4th September and 7th September, $L_{A90,15\text{minutes}}$ Free-field dB(A)

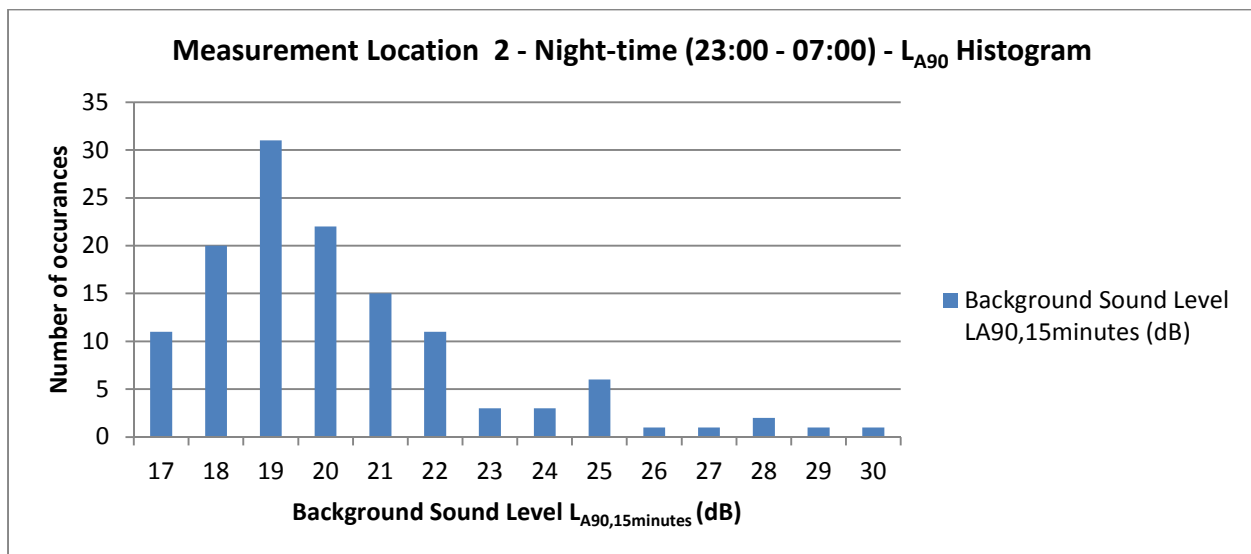


Table A15.3.8: Measurement Location 2 – Selected Night-time Background Sound Level, Free-field, dB(A)

Selected Daytime Background Sound Level ($L_{A90,T}$)
19

Measurement Location 3 - DAYTIME

Table A15.3.9: Measurement Location 3 – Daytime Background Sound Level Analysis. Free-field, dB(A)

Descriptor	4th Sept 13:45 to 23:00	5th Sept 07:00 to 23:00	6th Sept 07:00 to 23:00	7th Sept 07:00 to 20:00	All Daytimes
Minimum $L_{A90, 15\text{minutes}}$	22	23	19	21	19
Maximum $L_{A90, 15\text{minutes}}$	32	37	28	32	37
Log Average $L_{A90, 15\text{minutes}}$	28	29	23	27	27
Linear Average $L_{A90, 15\text{minutes}}$	27	27	23	26	25
Most common $L_{A90, 15\text{minutes}}$	28	25	23	22	23
Period $L_{A90,T}$	26	25	21	24	24

Graph A15.3.5 Measurement Location 3 Daytime Sound Level Histogram Between 4th September and 7th September, $L_{A90,15\text{minutes}}$ Free-field dB(A)

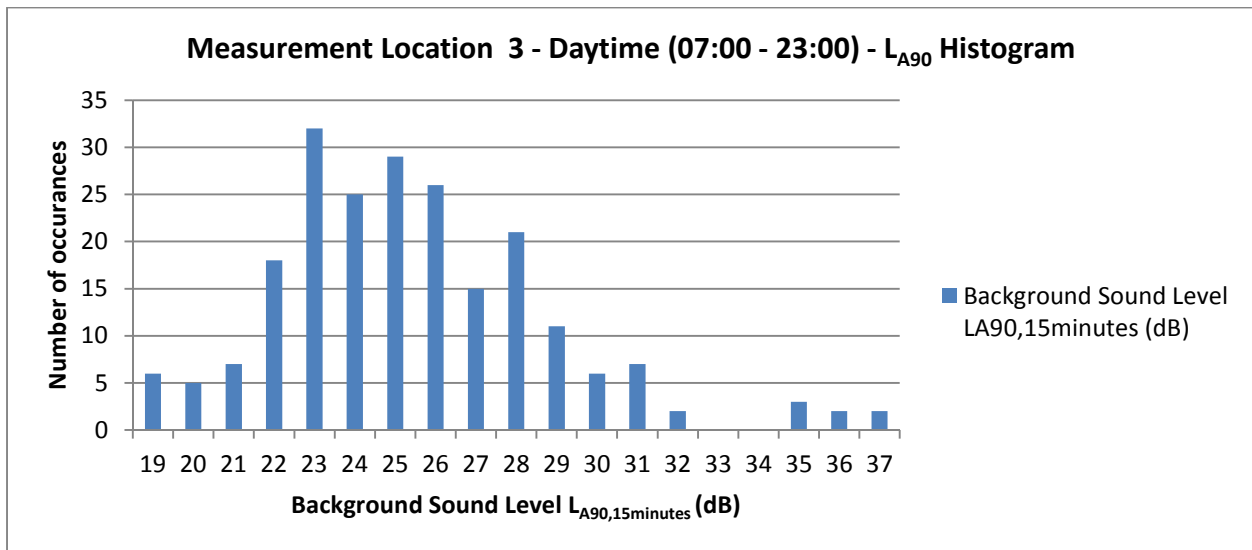


Table A15.3.10: Measurement Location 3 – Selected Daytime Background Sound Level, Free-field, dB(A)

Selected Daytime Background Sound Level ($L_{A90,T}$)
23

Measurement Location 3 – NIGHT-TIME

Table A15.3.11: Measurement Location 3 – Night-time Background Sound Level Analysis. Free-field, dB(A)

Descriptor	4th Sept to 23:00 to 07:00	5th Sept to 23:00 to 07:00	6th Sept to 23:00 to 07:00	All Night-times
Minimum $L_{A90, 15\text{minutes}}$	17	17	17	17
Maximum $L_{A90, 15\text{minutes}}$	26	25	26	26
Log Average $L_{A90, 15\text{minutes}}$	21	20	20	21
Linear Average $L_{A90, 15\text{minutes}}$	20	20	19	20
Most common $L_{A90, 15\text{minutes}}$	18	18	17	17
Period $L_{A90,T}$	19	18	17	18

Graph A15.3.6 Measurement Location 3 Night-time Sound Level Histogram Between 4th September and 6th September, $L_{A90,15\text{minutes}}$ Free-field dB(A)

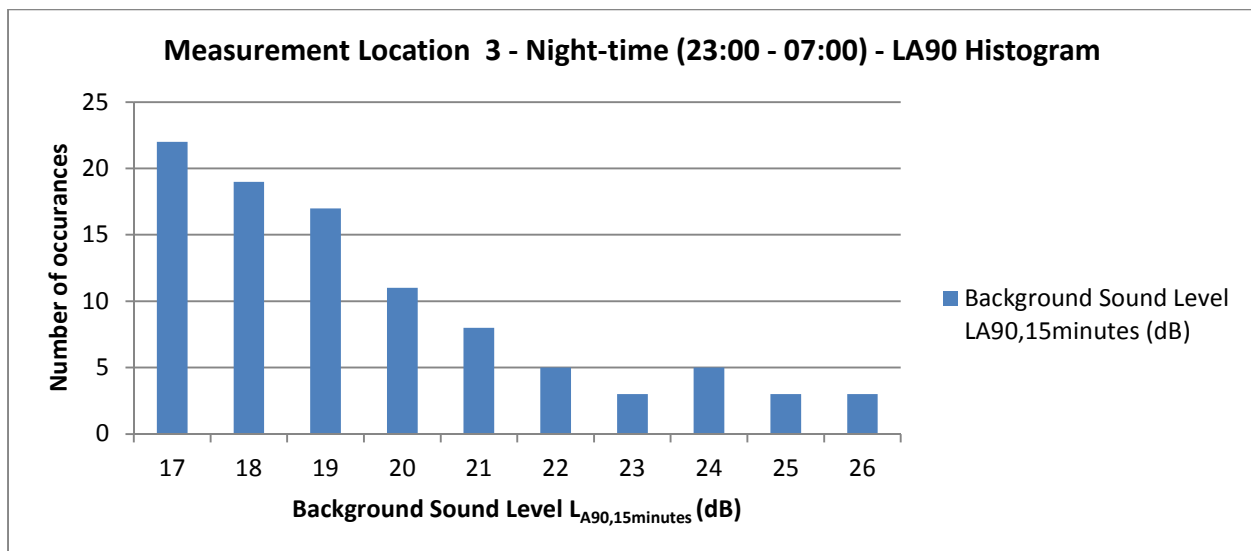


Table A15.3.12: Measurement Location 3 – Selected Night-time Background Sound Level, Free-field, dB(A)

Selected Daytime Background Sound Level ($L_{A90,T}$)
17

Measurement Location 4 - DAYTIME

Table A15.3.13: Measurement Location 4 – Daytime Background Sound Level Analysis. Free-field, dB(A)

Descriptor	4th Sept 12:00 to 23:00	5th Sept 07:00 to 23:00	6th Sept 07:00 to 23:00	7th Sept 07:00 to 23:00	8th Sept 07:00 to 12:00	All Daytime s
Minimum $L_{A90, 15\text{minutes}}$	22	22	23	21	29	21
Maximum $L_{A90, 15\text{minutes}}$	38	37	33	37	43	43
Log Average $L_{A90, 15\text{minutes}}$	30	31	29	31	37	31
Linear Average $L_{A90, 15\text{minutes}}$	28	29	28	29	34	29
Most common $L_{A90, 15\text{minutes}}$	28	30	28	29	31	28
Period $L_{A90,T}$	25	26	26	26	32	28

Graph A15.3.7 Measurement Location 4 Daytime Sound Level Histogram Between 4th September and 8th September, $L_{A90,15\text{minutes}}$ Free-field dB(A)

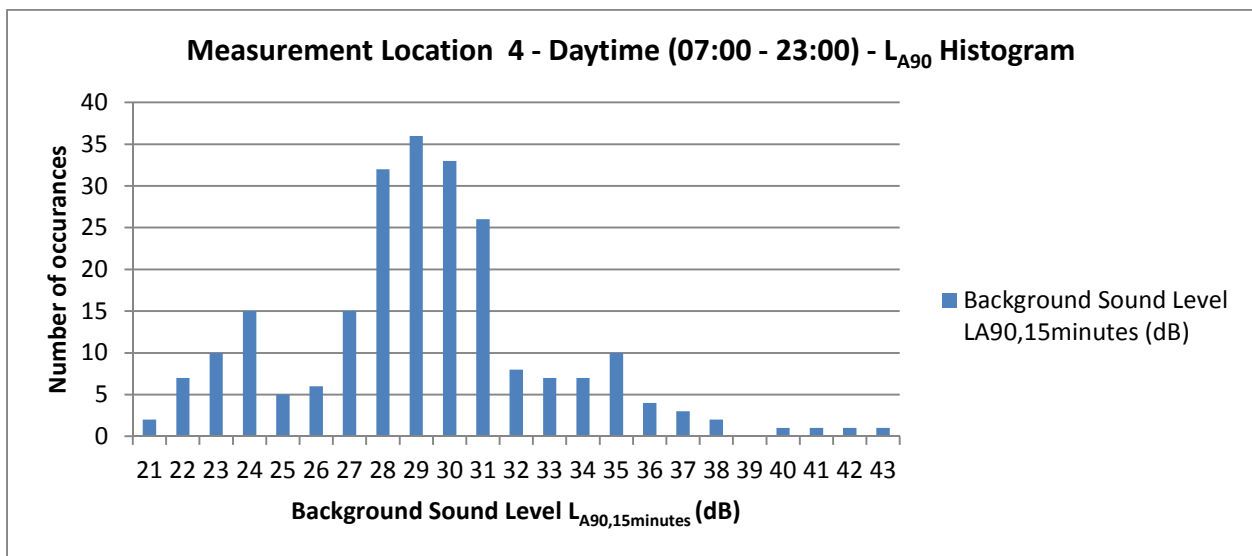


Table A15.3.14: Measurement Location 4 – Selected Daytime Background Sound Level, Free-field, dB(A)

Selected Daytime Background Sound Level ($L_{A90,T}$)
27

Measurement Location 4 – NIGHT-TIME

Table A15.3.15: Measurement Location 4 – Night-time Background Sound Level Analysis. Free-field, dB(A)

Descriptor	4th Sept to 23:00 to 07:00	5th Sept to 23:00 to 07:00	6th Sept to 23:00 to 07:00	7th Sept to 23:00 to 07:00	All Night-time s
Minimum $L_{A90, 15\text{minutes}}$	19	20	21	21	19
Maximum $L_{A90, 15\text{minutes}}$	31	28	29	29	31
Log Average $L_{A90, 15\text{minutes}}$	23	22	24	24	23
Linear Average $L_{A90, 15\text{minutes}}$	21	22	23	23	22
Most common $L_{A90, 15\text{minutes}}$	19	20	22	22	20
Period $L_{A90,T}$	20	21	22	22	21

Graph A15.3.8 Measurement Location 4 Night-time Sound Level Histogram Between 4th September and 7th September, $L_{A90,15\text{minutes}}$ Free-field dB(A)

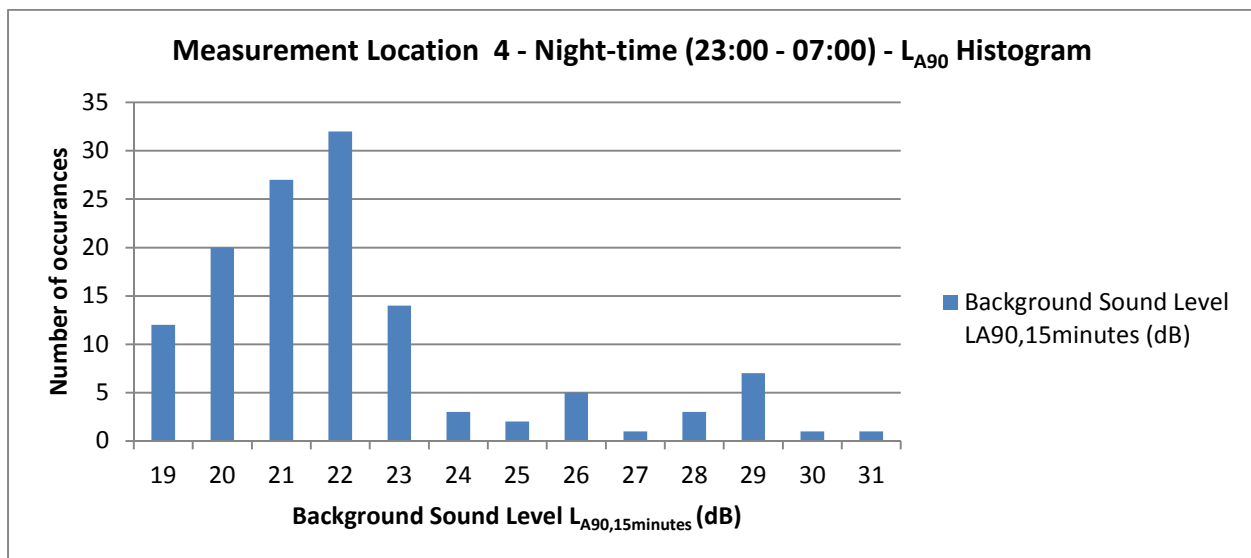


Table A15.3.16: Measurement Location 4 – Selected Night-time Background Sound Level, Free-field, dB(A)

Selected Daytime Background Sound Level ($L_{A90,T}$)
21

Measurement Location 5 - DAYTIME

Table A15.3.17: Measurement Location 5 – Daytime Background Sound Level Analysis. Free-field, dB(A)

Descriptor	4th Sept 10:45 to 23:00	5th Sept 07:00 to 11:15	All Daytimes
Minimum LA90, 15minutes	21	26	21
Maximum LA90, 15minutes	37	34	37
Log Average LA90, 15minutes	30	31	30
Linear Average LA90, 15minutes	30	30	29
Most common LA90, 15minutes	27	27	27
Period LA90,T	25	28	27

Graph A15.3.9 Measurement Location 5 Daytime Sound Level Histogram Between 4th September and 5th September, LA90,15minutes Free-field dB(A)

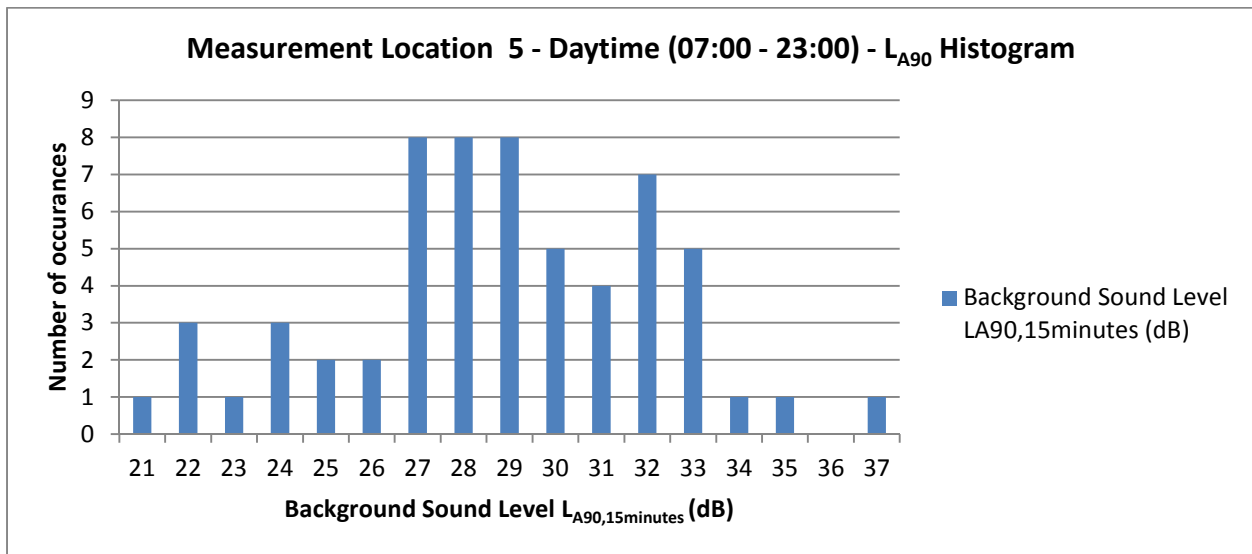


Table A15.3.18: Measurement Location 5 – Selected Daytime Background Sound Level, Free-field, dB(A)

Selected Daytime Background Sound Level (LA90,T)
27

Measurement Location 5 – NIGHT-TIME

Table A15.3.19: Measurement Location 5 – Night-time Background Sound Level Analysis. Free-field, dB(A)

Descriptor	4th Sept 23:00 to 07:00
Minimum $L_{A90, 15\text{minutes}}$	18
Maximum $L_{A90, 15\text{minutes}}$	30
Log Average $L_{A90, 15\text{minutes}}$	22
Linear Average $L_{A90, 15\text{minutes}}$	20
Most common $L_{A90, 15\text{minutes}}$	18
Period $L_{A90,T}$	18

Graph A15.3.10 Measurement Location 5 Night-time Sound Level Histogram 5th September into 6th September, $L_{A90,15\text{minutes}}$ Free-field dB(A)

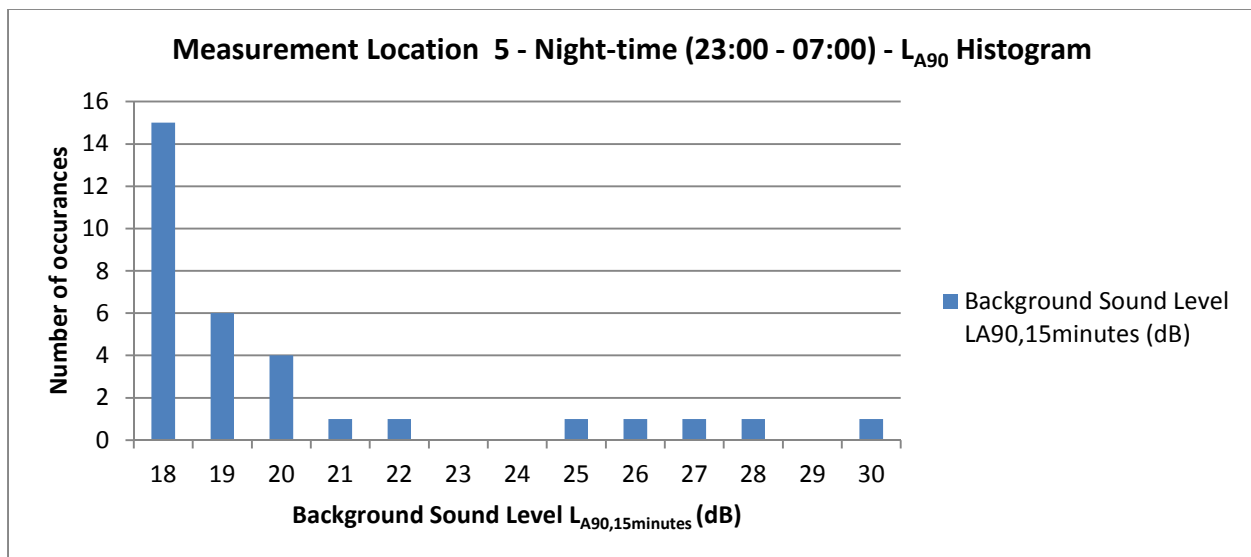


Table A15.3.20: Measurement Location 5 – Selected Night-time Background Sound Level, Free-field, dB(A)

Selected Daytime Background Sound Level ($L_{A90,T}$)
18

Measurement Location 6 - DAYTIME

Table A15.3.21: Measurement Location 6 – Daytime Background Sound Level Analysis. Free-field, dB(A)

Descriptor	5th Sept 11:45 to 23:00	6th Sept 07:00 to 23:00	7th Sept 07:00 to 20:00	8th Sept 07:00 to 12:45	All Daytimes
Minimum $L_{A90, 15\text{minutes}}$	21	21	21	27	21
Maximum $L_{A90, 15\text{minutes}}$	29	29	34	31	34
Log Average $L_{A90, 15\text{minutes}}$	26	26	28	29	27
Linear Average $L_{A90, 15\text{minutes}}$	26	25	27	29	26
Most common $L_{A90, 15\text{minutes}}$	27	25	25	28	25
Period $L_{A90,T}$	23	24	23	28	25

Graph A15.3.11 Measurement Location 6 Daytime Sound Level Histogram Between 5th September and 8th September, $L_{A90,15\text{minutes}}$ Free-field dB(A)

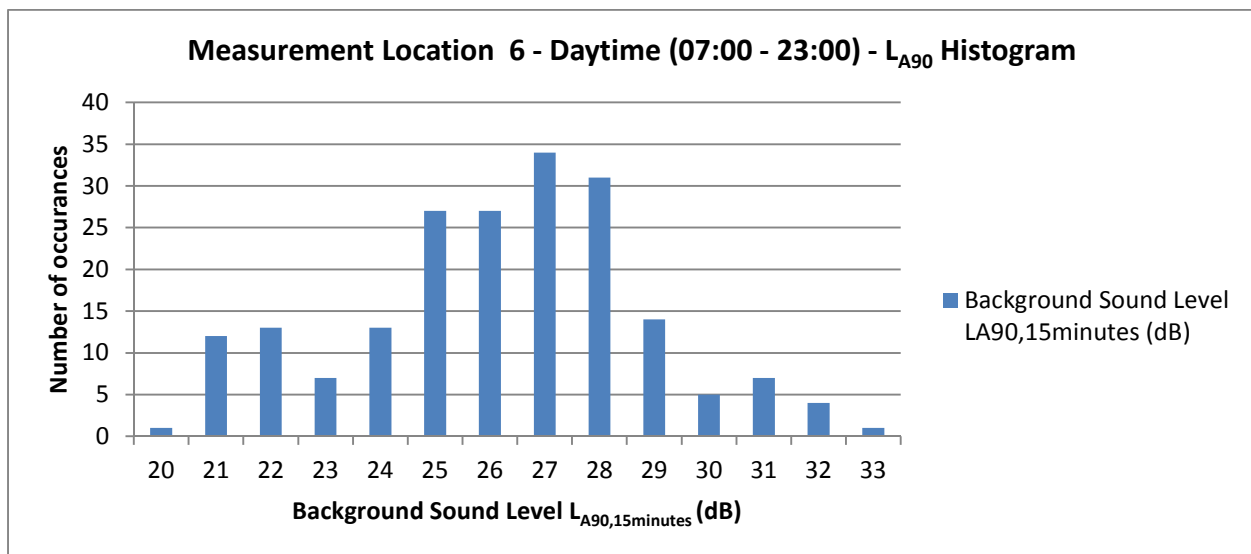


Table A15.3.22: Measurement Location 6 – Selected Daytime Background Sound Level, Free-field, dB(A)

Selected Daytime Background Sound Level ($L_{A90,T}$)
25

Measurement Location 6 – NIGHT-TIME

Table A15.3.23: Measurement Location 6 – Night-time Background Sound Level Analysis. Free-field, dB(A)

Descriptor	5th Sept to 23:00 to 07:00	6th Sept to 23:00 to 07:00	7th Sept to 23:00 to 07:00	All Night-times
Minimum LA90, 15minutes	20	21	21	20
Maximum LA90, 15minutes	28	29	29	29
Log Average LA90, 15minutes	22	23	23	23
Linear Average LA90, 15minutes	21	23	23	22
Most common LA90, 15minutes	20	22	21	21
Period LA90,T	20	22	21	21

Graph A15.3.12 Measurement Location 6 Night-time Sound Level Histogram Between 5th September and 7th September, LA90,15minutes Free-field dB(A)

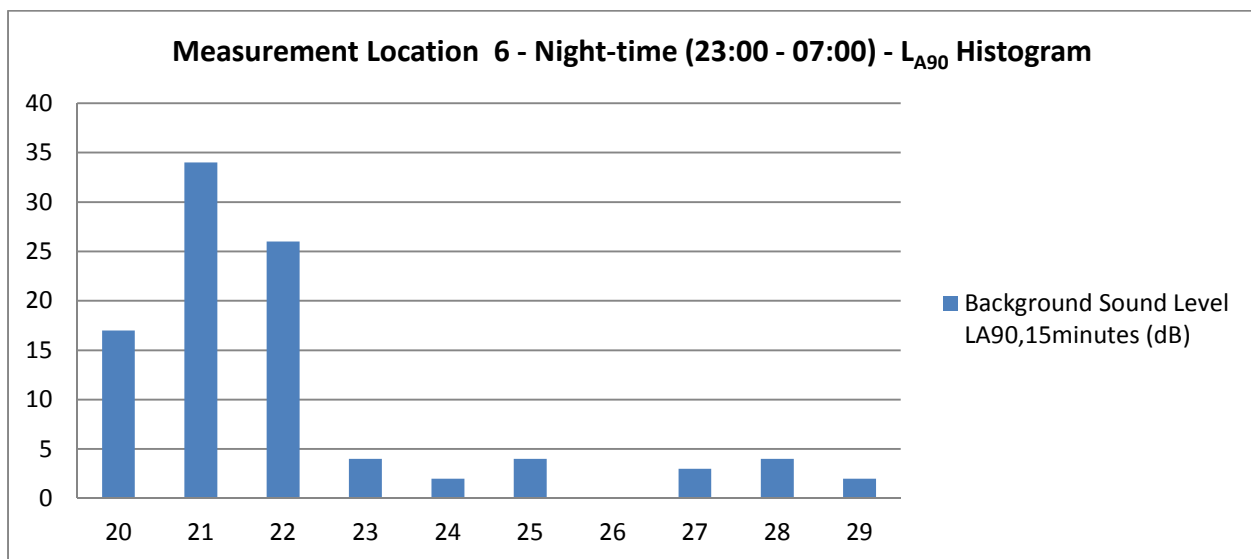


Table A15.3.24: Measurement Location 6 – Selected Night-time Background Sound Level, Free-field, dB(A)

Selected Daytime Background Sound Level (LA90,T)
21