



ENVIRONMENTAL STATEMENT – VOLUME 3 – APPENDIX 7.4

Baseline Noise Statistical Analysis

Drax Bioenergy with Carbon Capture and Storage

The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations, 2009 – Regulation (5(2)(a))

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1. BACKGROUND NOISE LEVELS

1.1. DAYTIME HISTOGRAM AND CUMULATIVE PERCENTAGE

- 1.1.1. The following figures are daytime (07:00 – 23:00) background noise levels surveyed by WSP during May and June 2021:

Plate 1.1 - LT1 Daytime Histogram

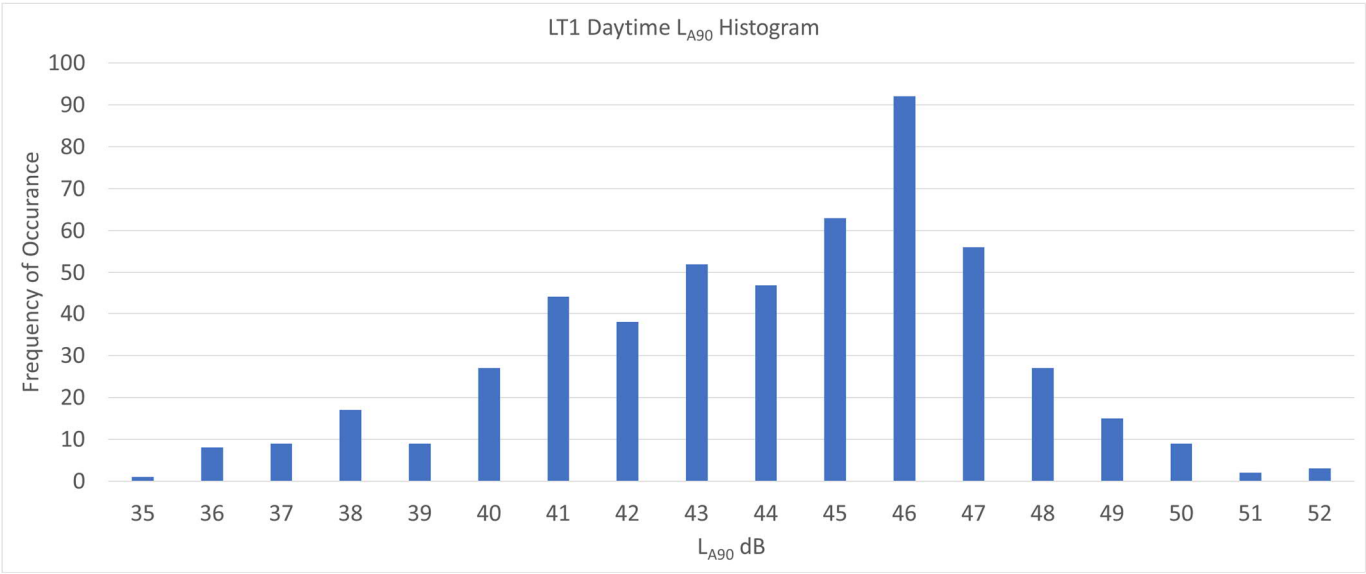


Plate 1.3 - LT2 Daytime Histogram

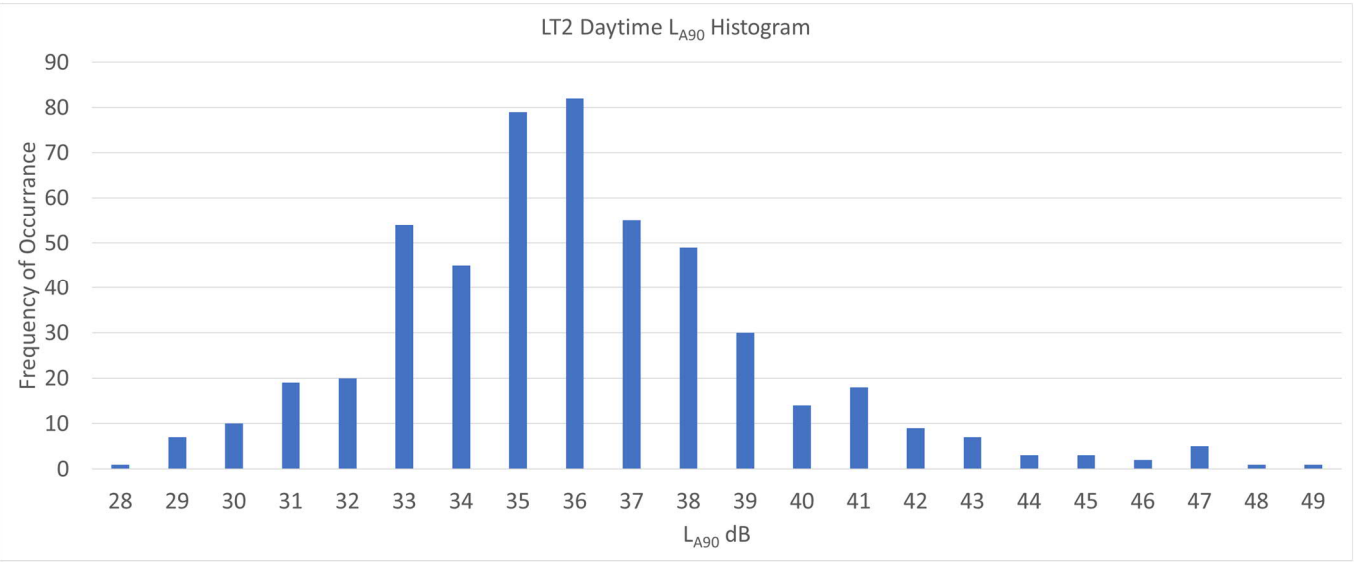


Plate 1.2 - LT1 Daytime Cumulative Percentage

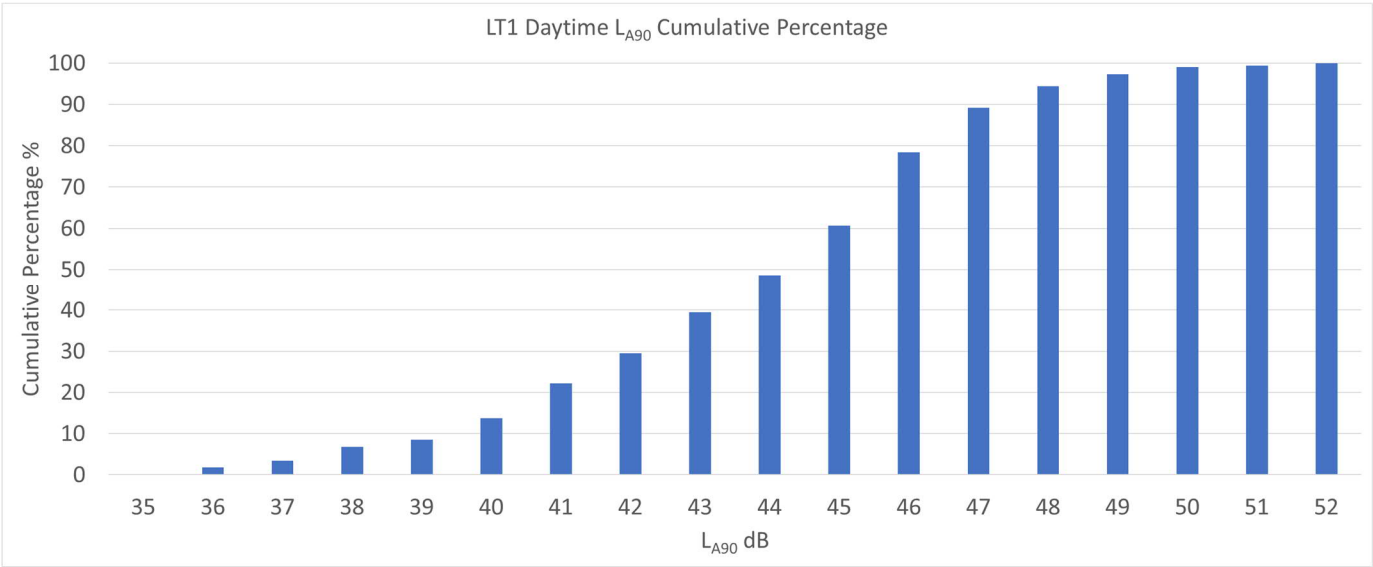


Plate 1.4 - LT2 Daytime Cumulative Percentage

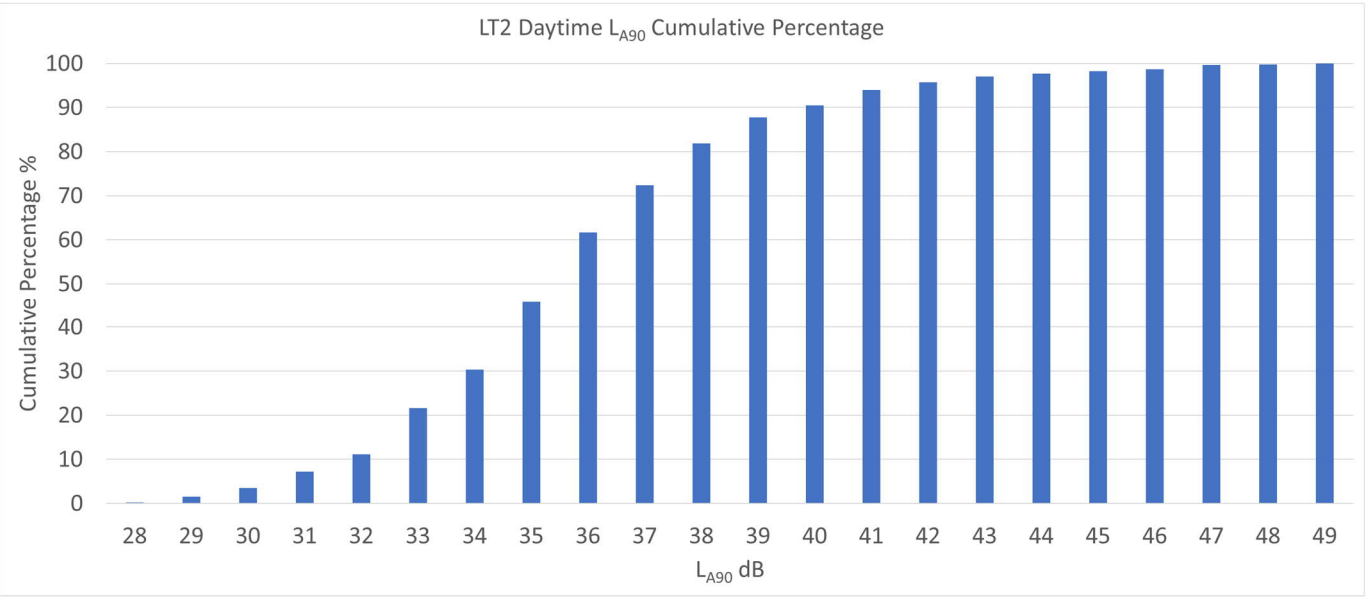


Plate 1.5 - LT3 Daytime Histogram

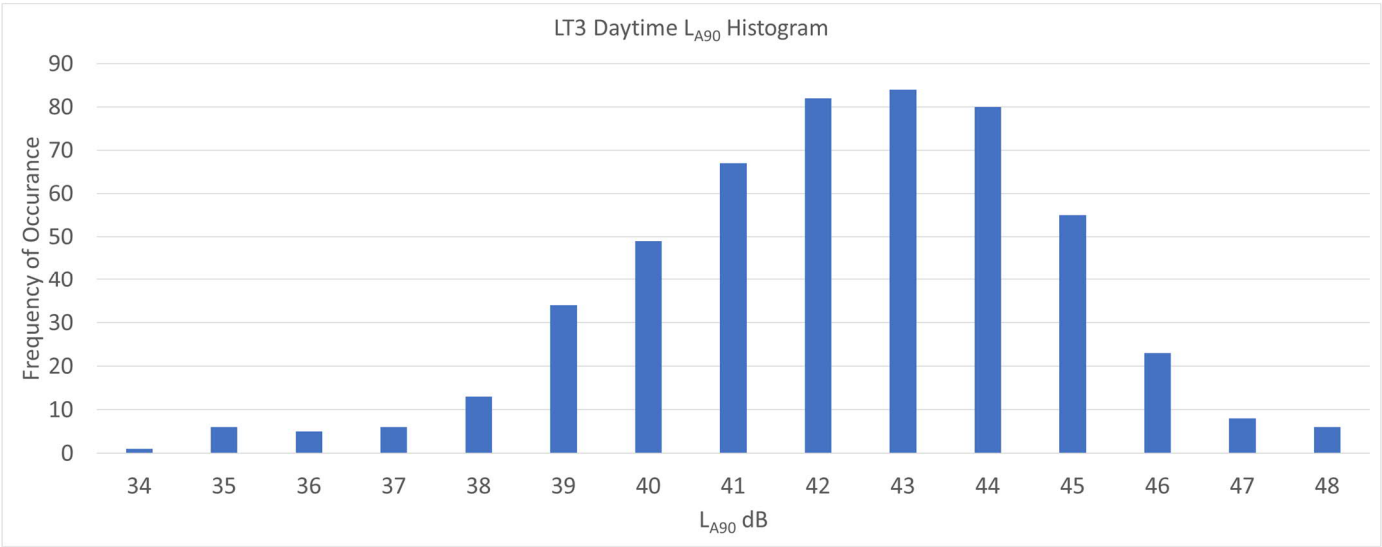


Plate 1.7 - LT4 Daytime Histogram

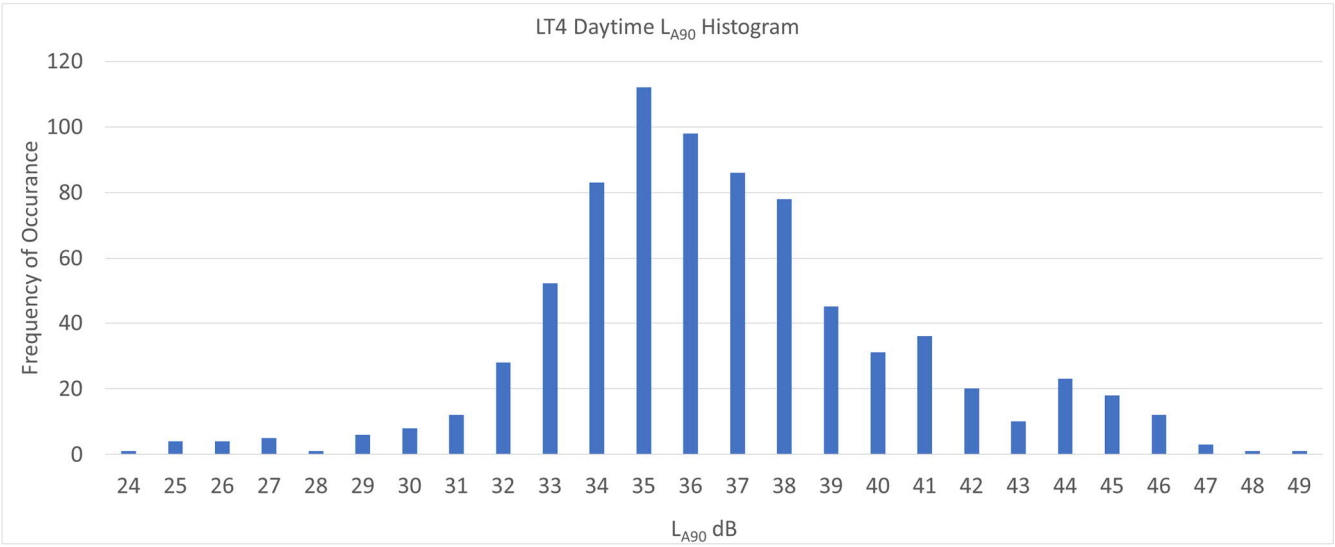


Plate 1.6 - LT3 Daytime Cumulative Percentage

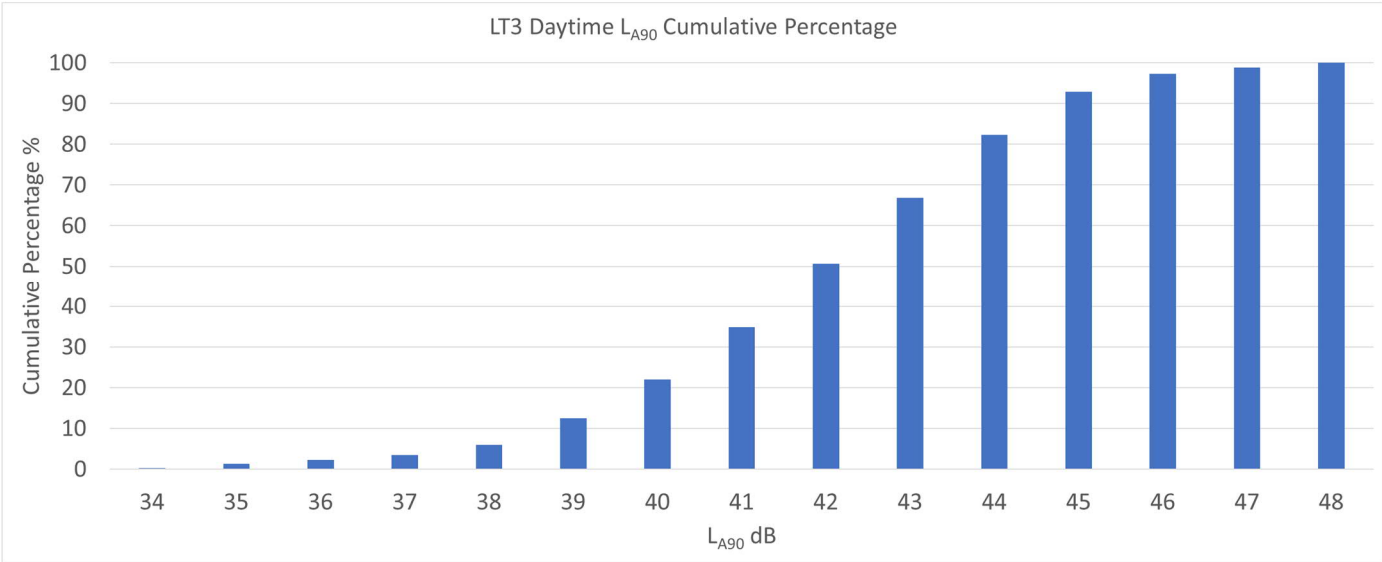


Plate 1.8 - LT4 Daytime Cumulative Percentage

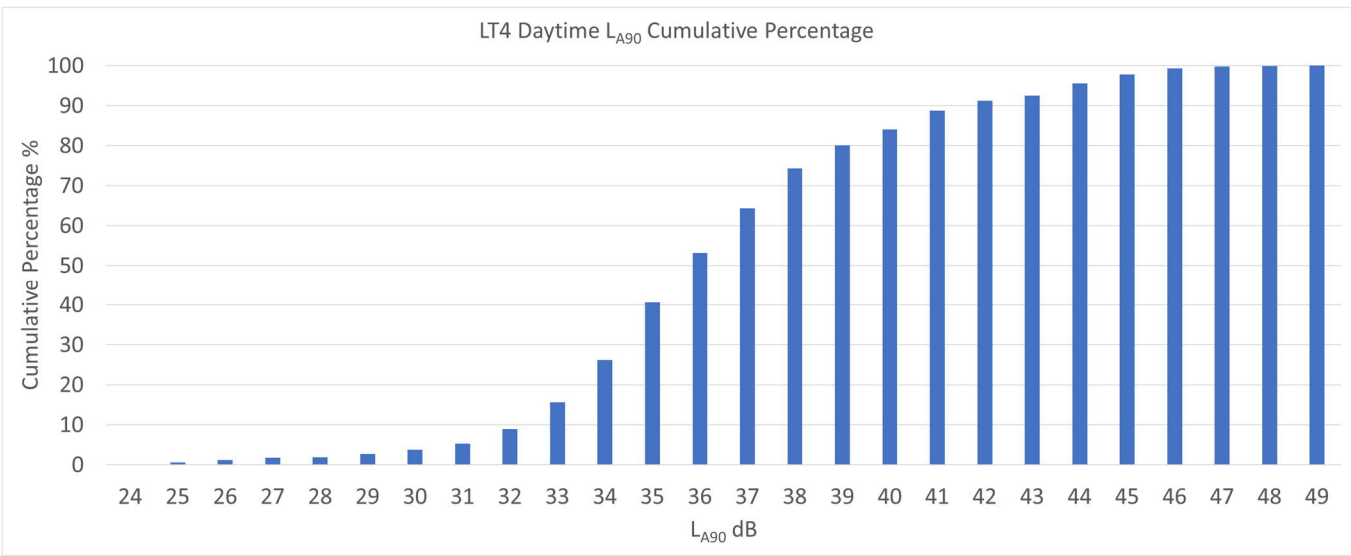


Plate 1.9 - LT5 Daytime Histogram

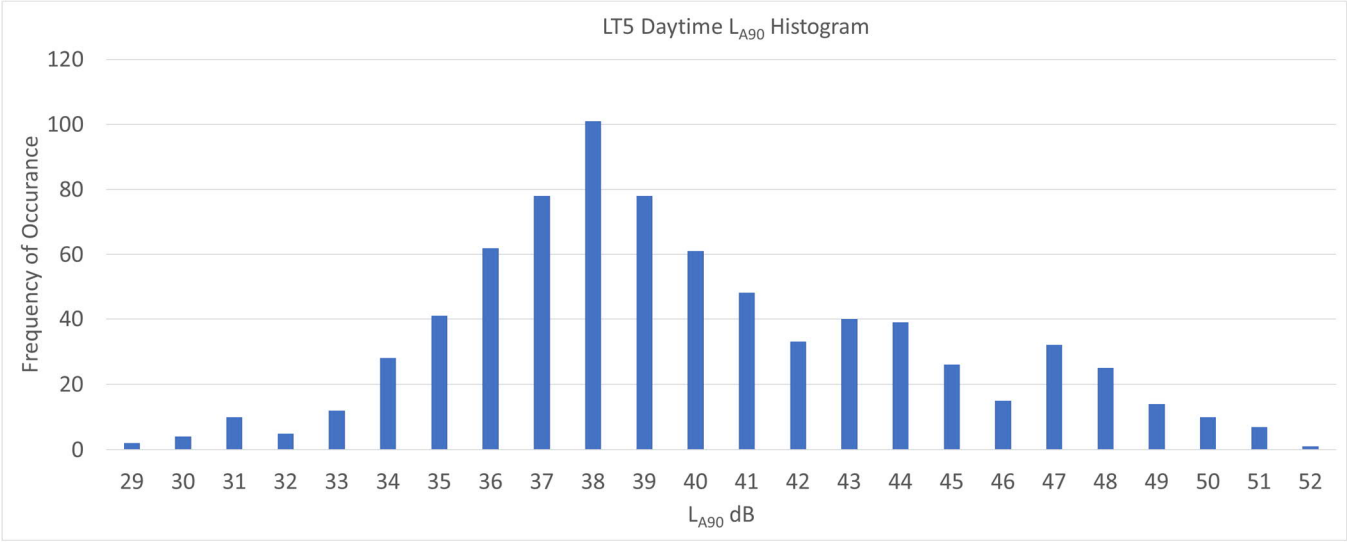


Plate 1.11 - LT6 Daytime Histogram

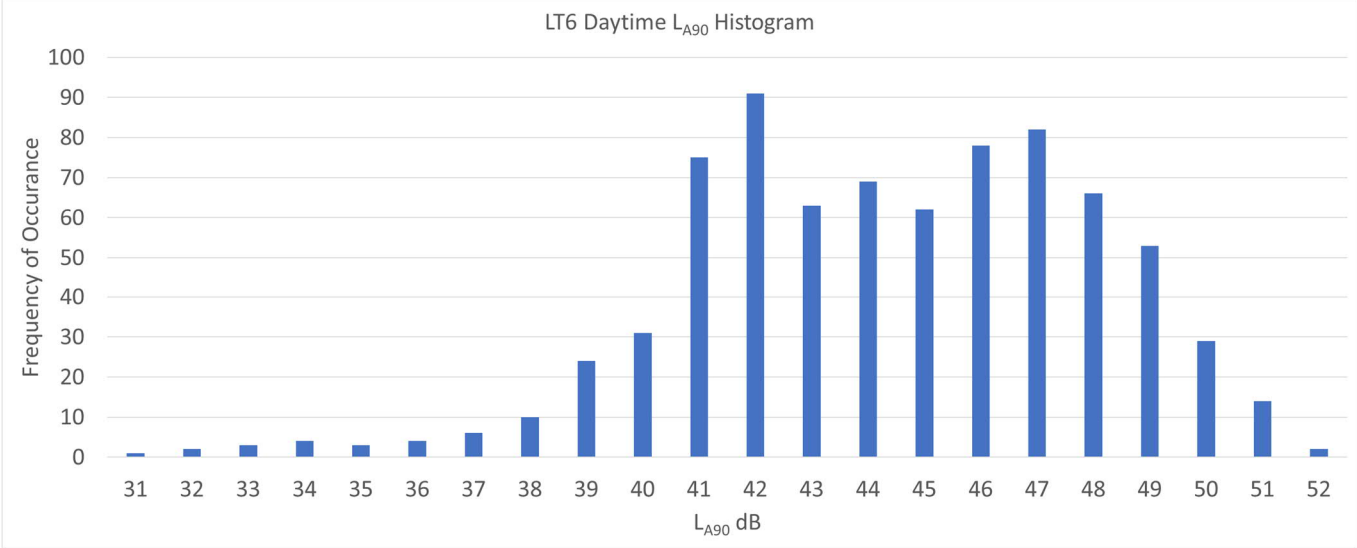


Plate 1.10 - LT5 Daytime Cumulative Percentage

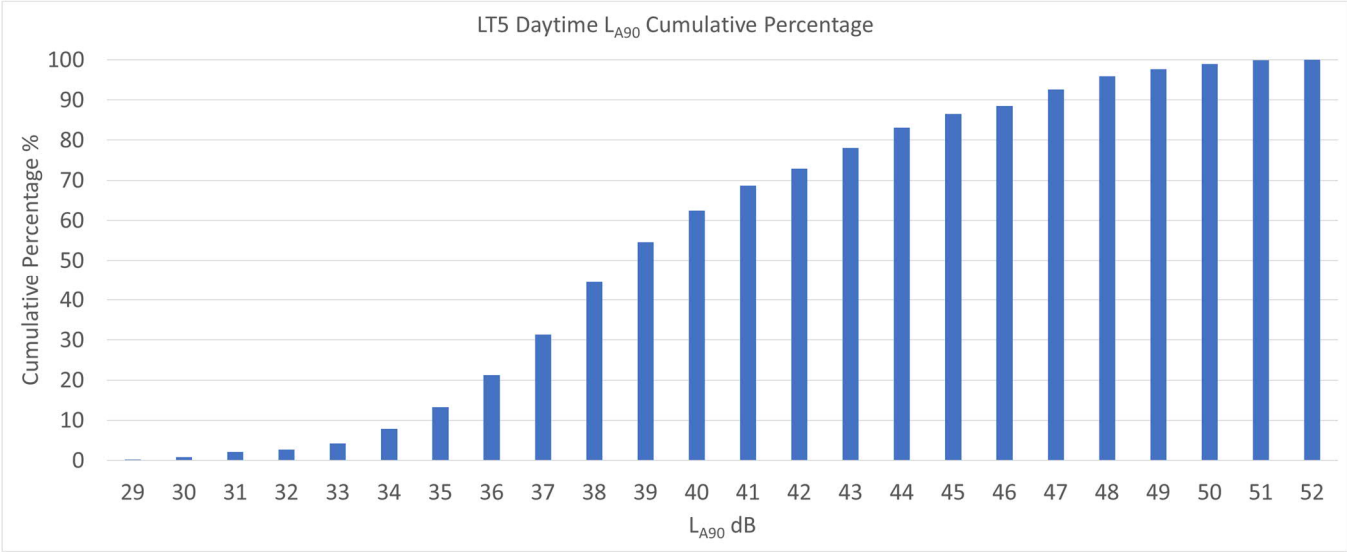


Plate 1.12 - LT6 Daytime Cumulative Percentage

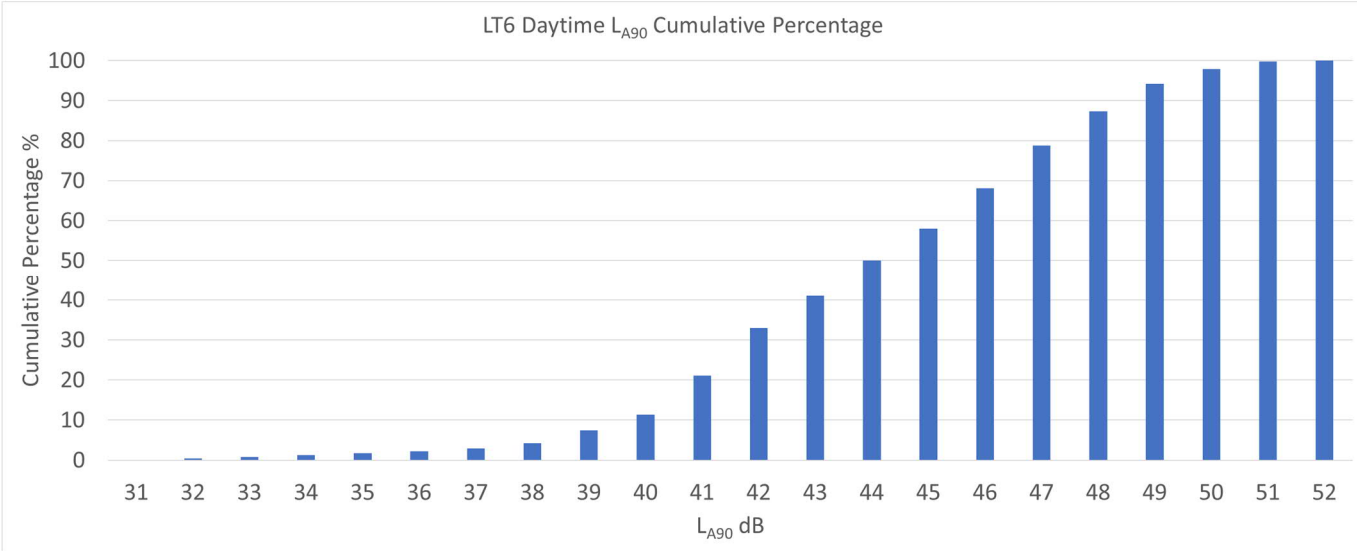


Plate 1.13 - LT7 Daytime Histogram

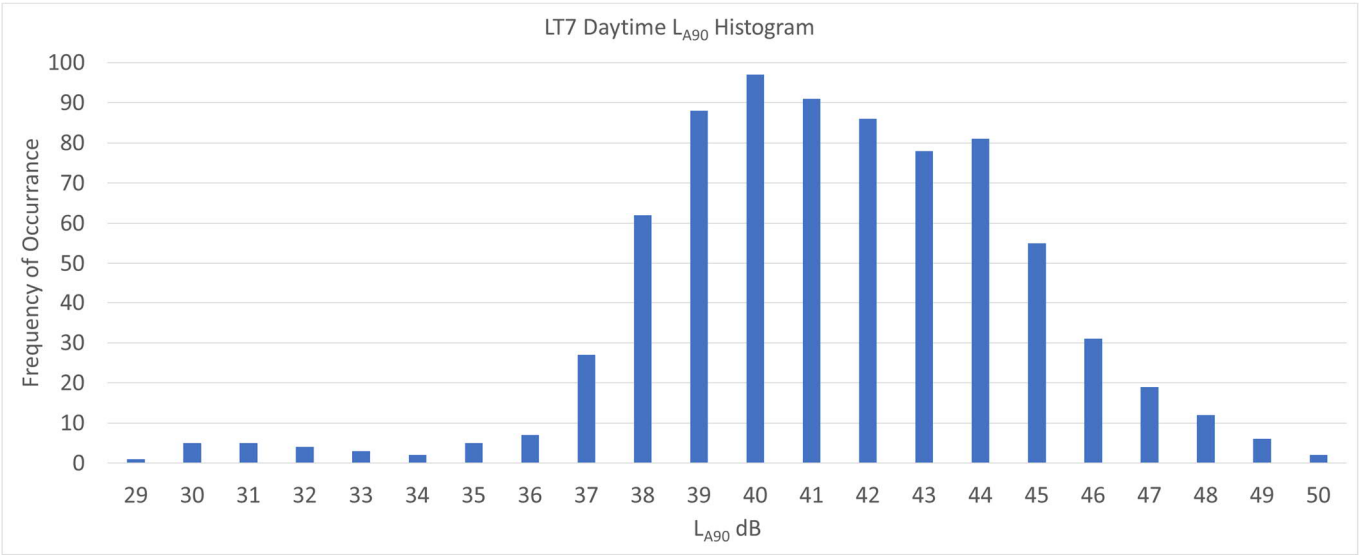
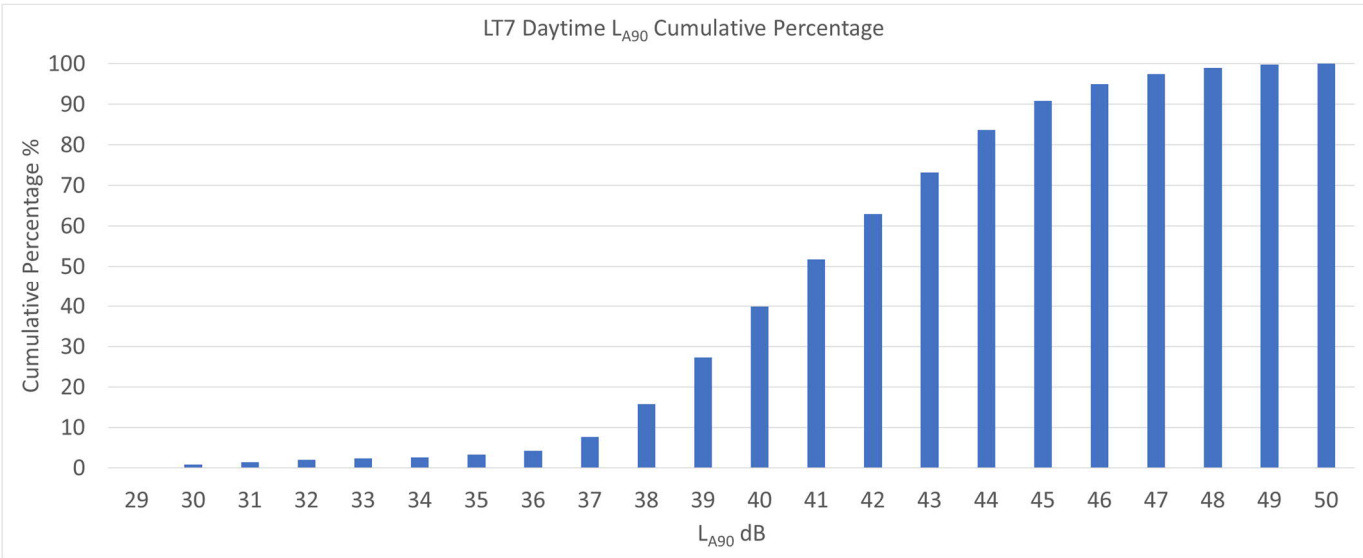


Plate 1.14 - LT7 Daytime Cumulative Percentage



1.2. NIGHT-TIME HISTOGRAM AND CUMULATIVE PERCENTAGE

- 1.2.1. The following figures are night-time (23:00 – 04:00) background noise levels filtered for the dawn chorus, surveyed by WSP during May and June 2021:

Plate 1.15 - LT1 Night-time Histogram

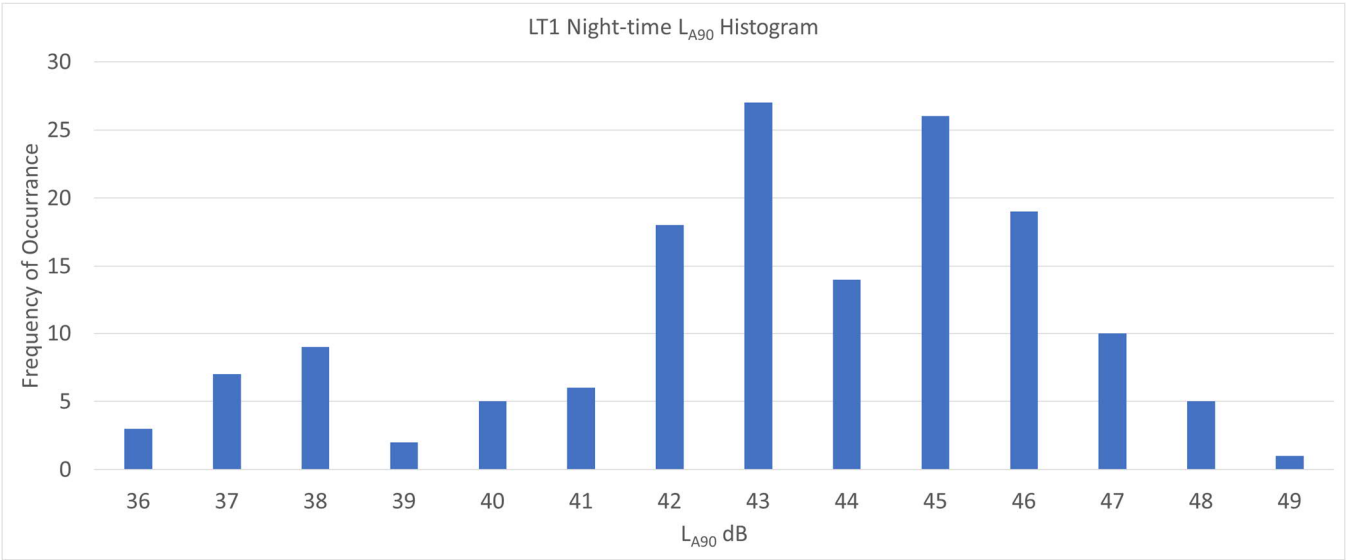


Plate 1.17 - LT2 Night-time Histogram

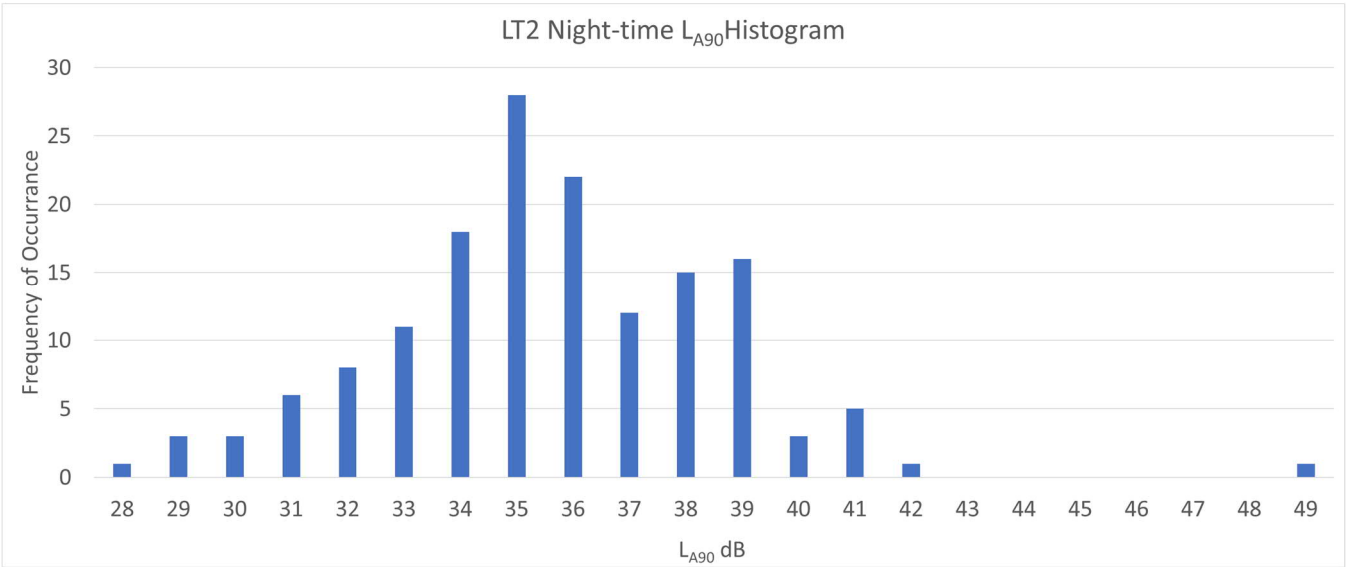


Plate 1.16 - LT1 Night-time Cumulative Percentage

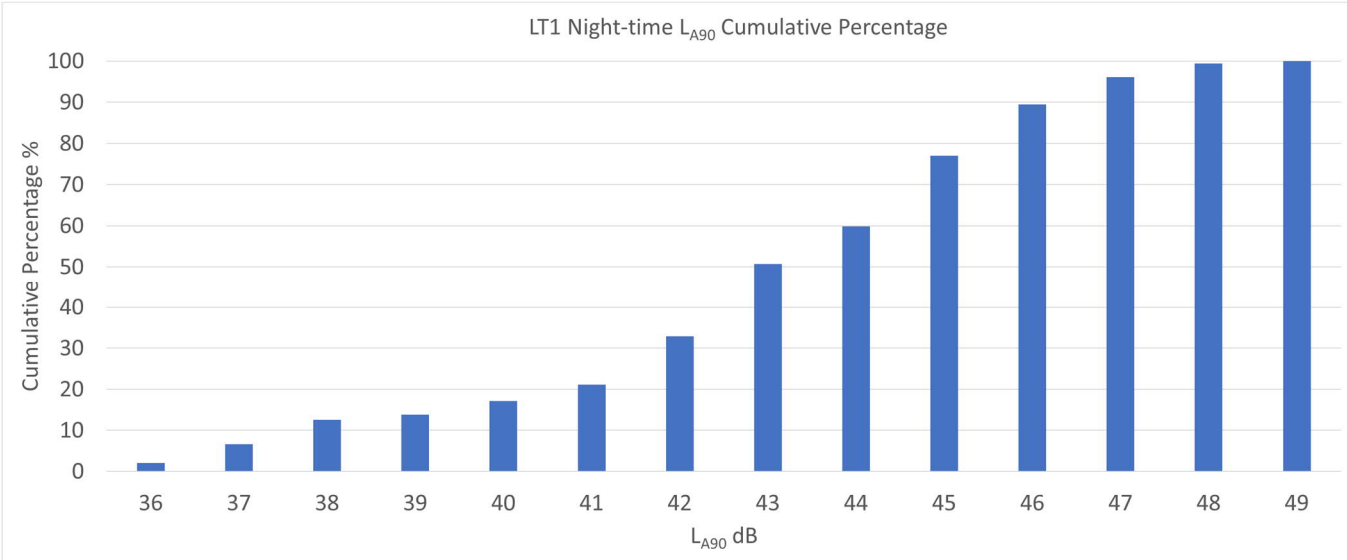


Plate 1.18 - LT2 Night-time Cumulative Percentage

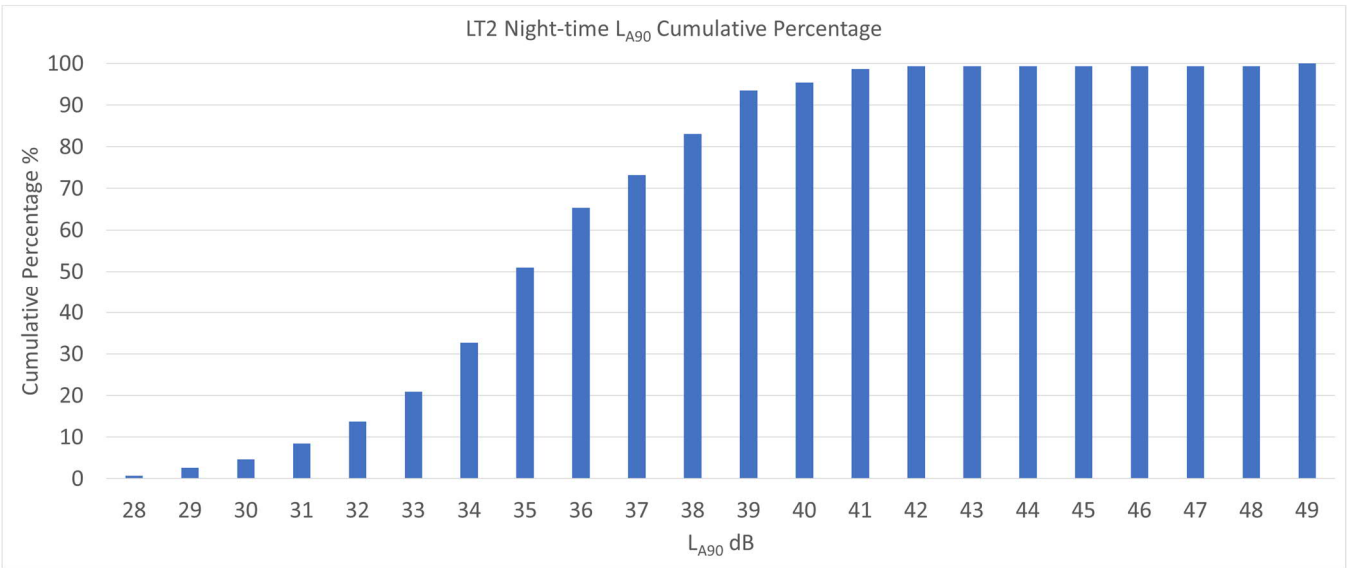


Plate 1.19 -LT3 Night-time Histogram

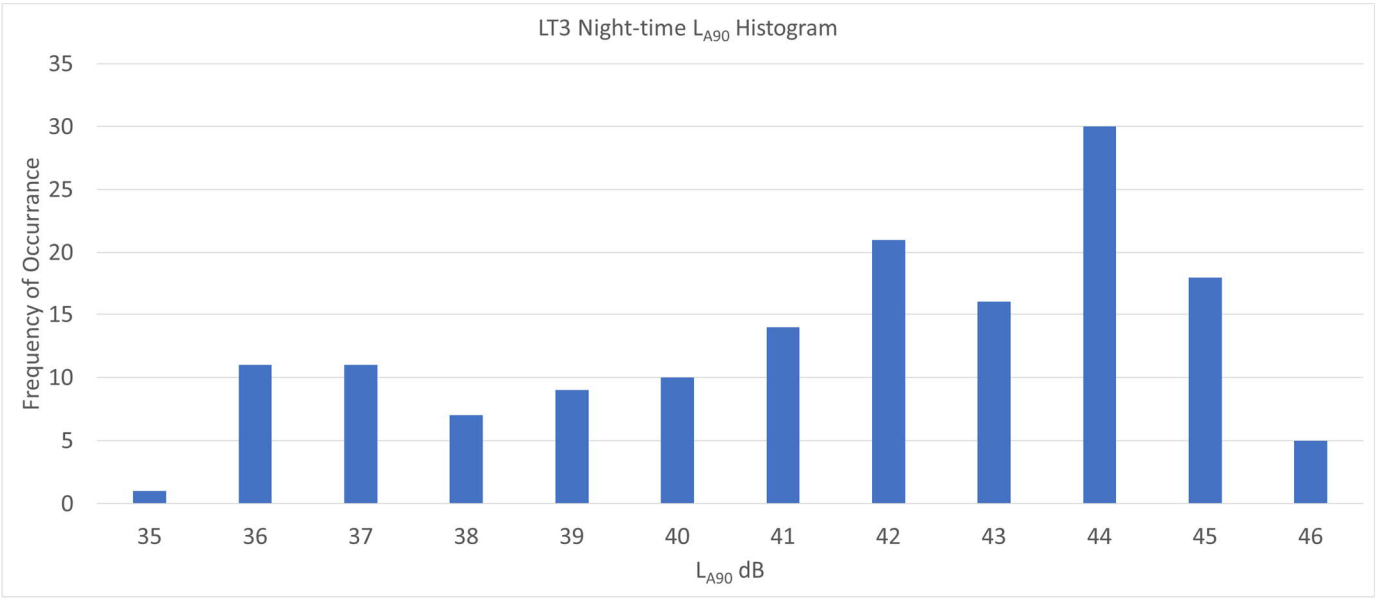


Plate 1.21 - LT4 Night-time Histogram

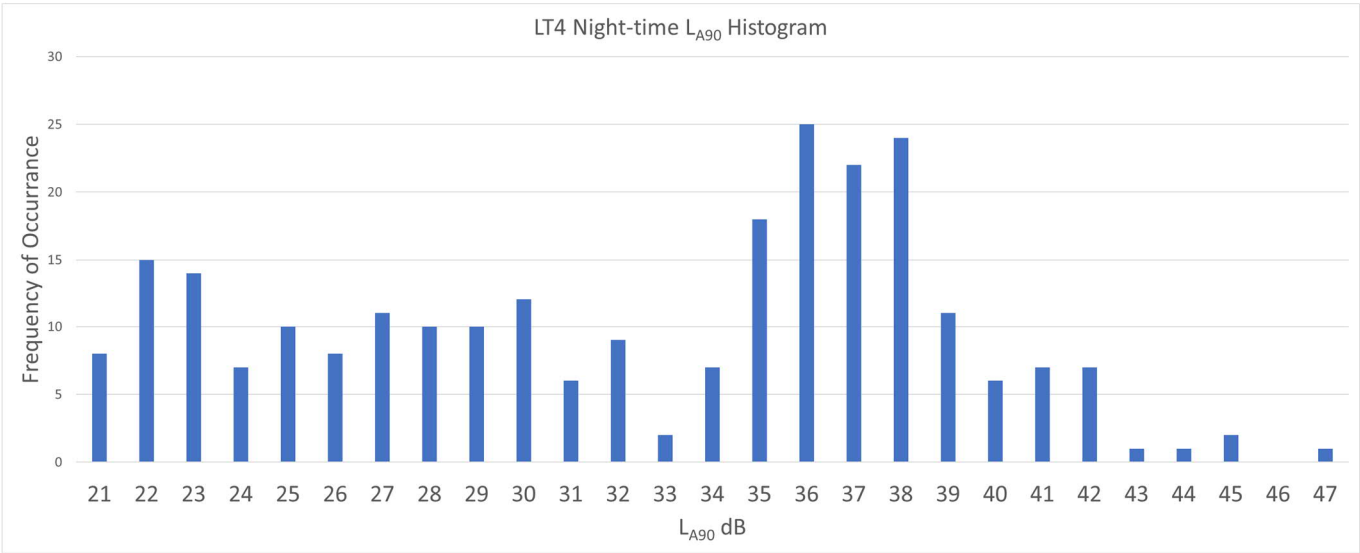


Plate 1.20 - LT3 Night-time Cumulative Percentage

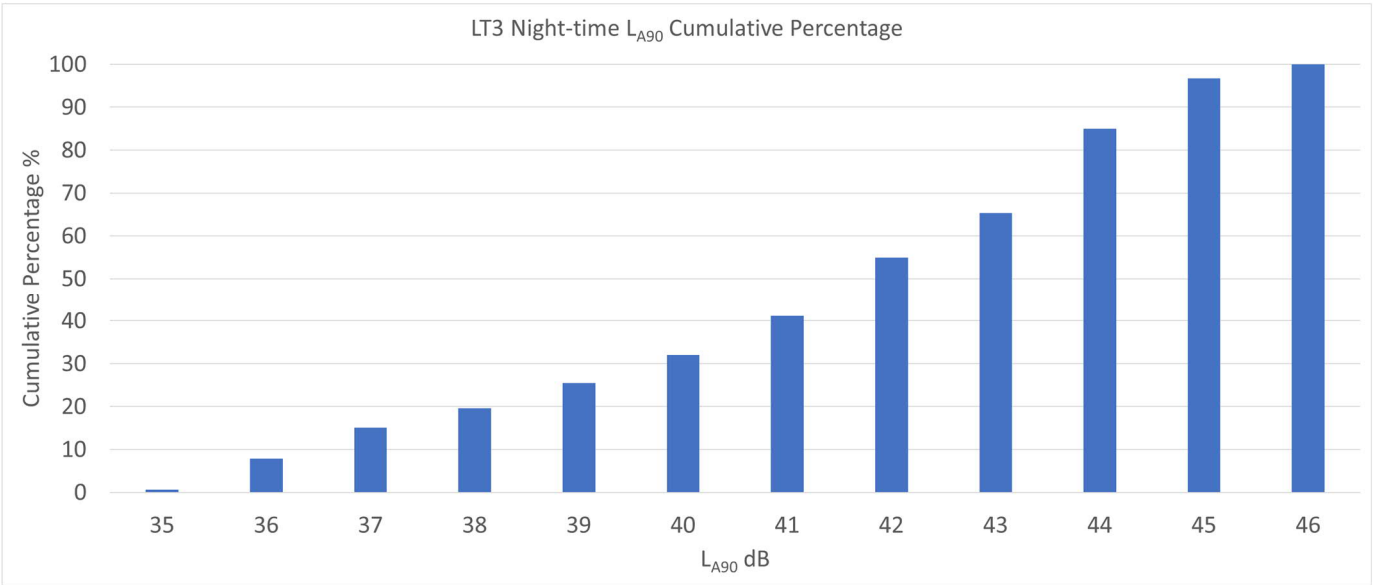


Plate 1.22 - LT4 Night-time Cumulative Percentage

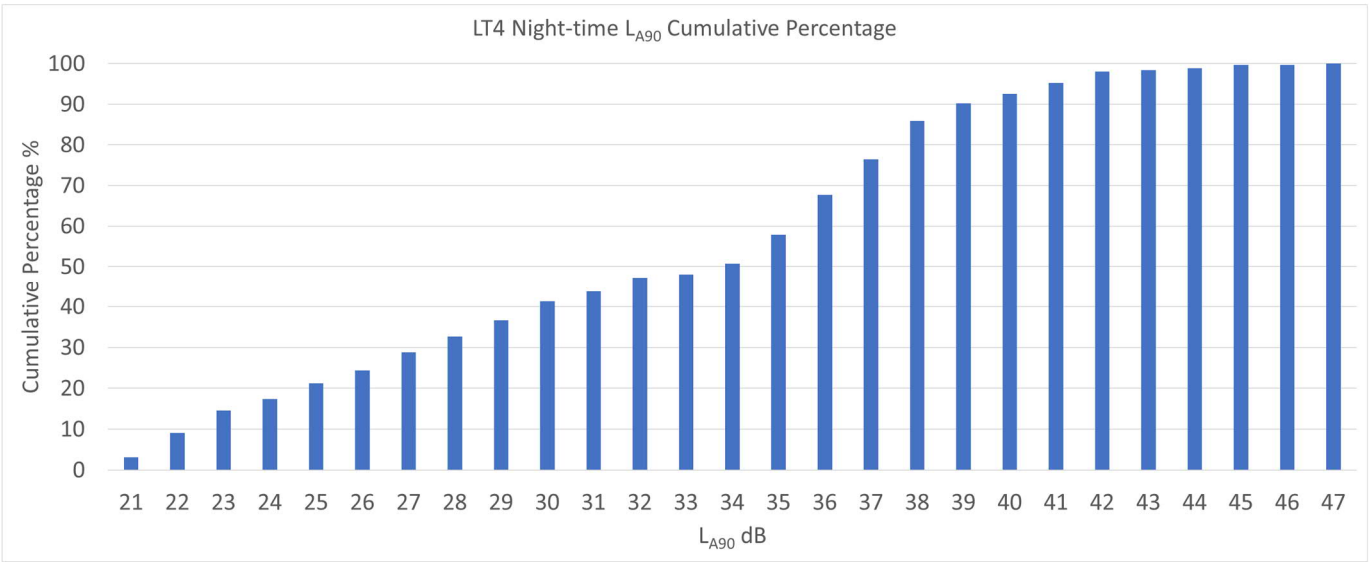


Plate 1.23 - LT5 Night-time Histogram

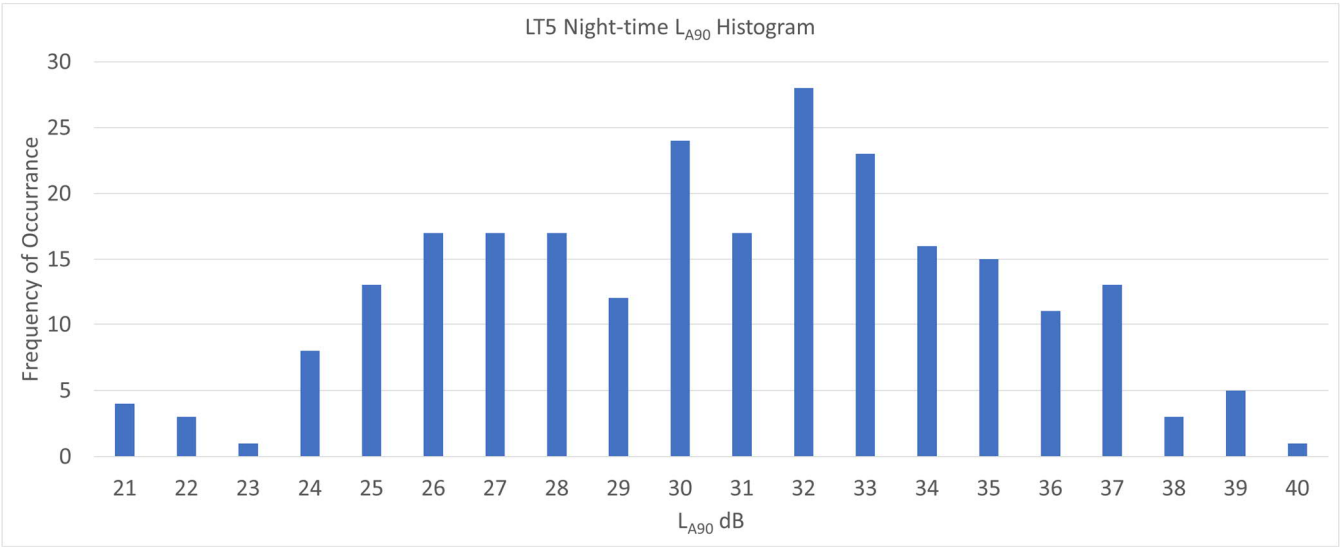


Plate 1.25 - LT6 Night-time Histogram

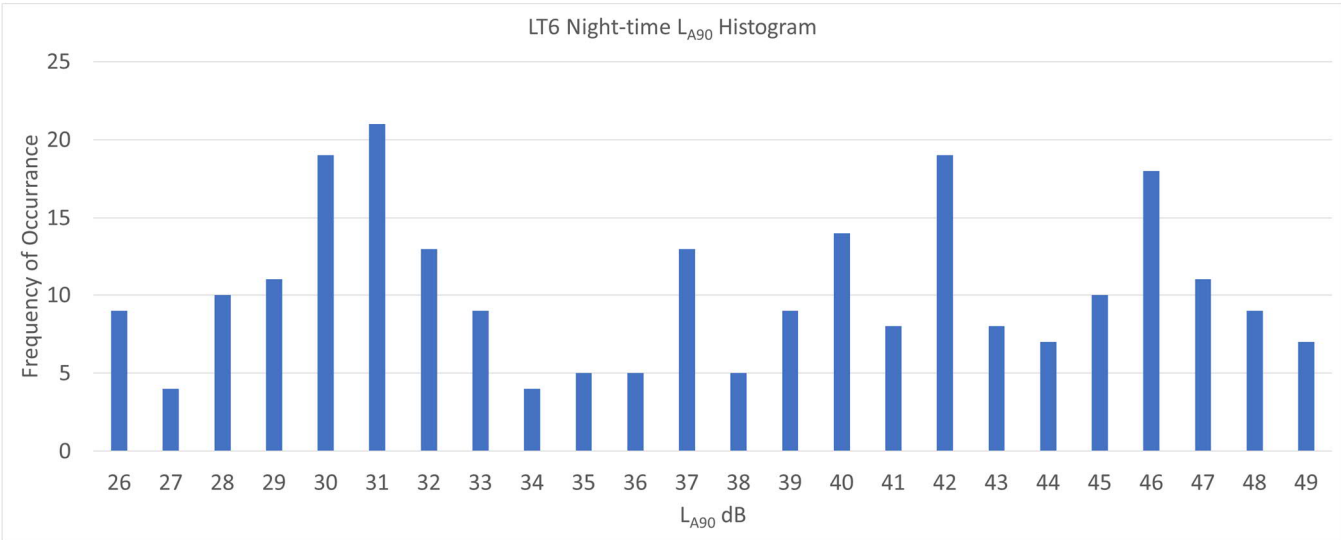


Plate 1.24 - LT5 Night-time Cumulative Percentage

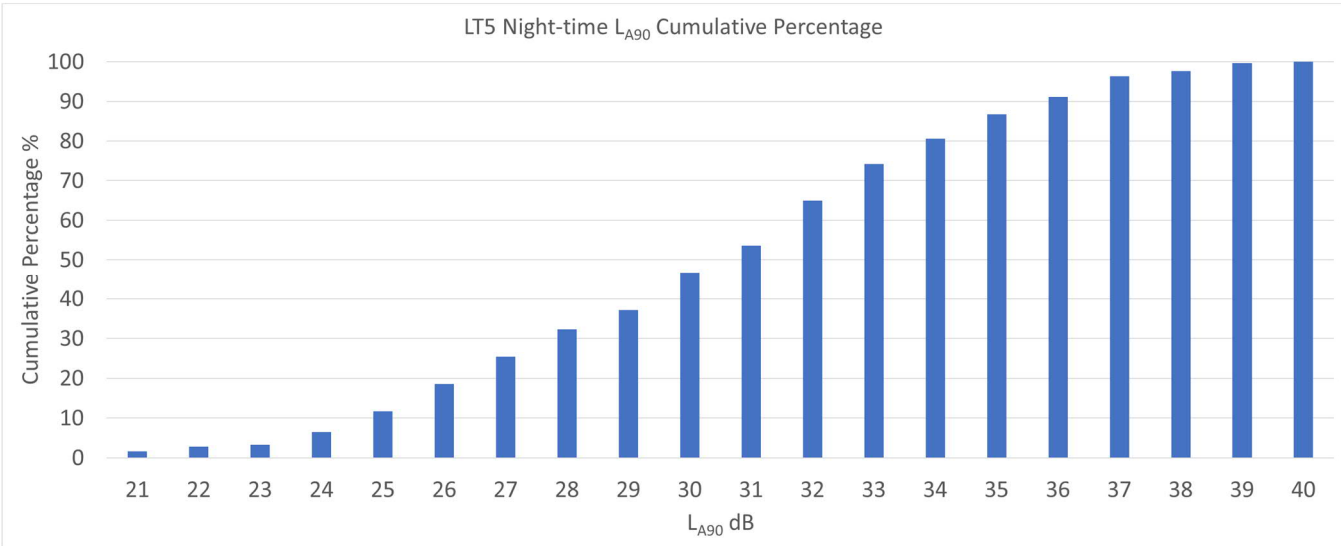


Plate 1.26 - LT6 Night-time Cumulative Percentage

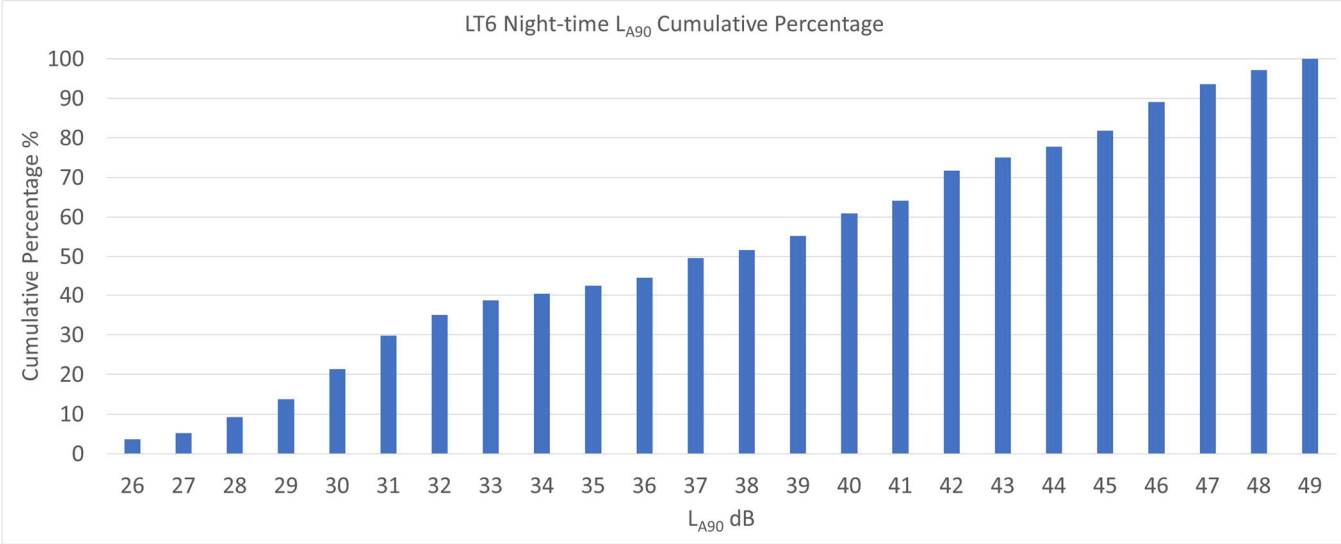


Plate 1.27 - LT7 Night-time Histogram

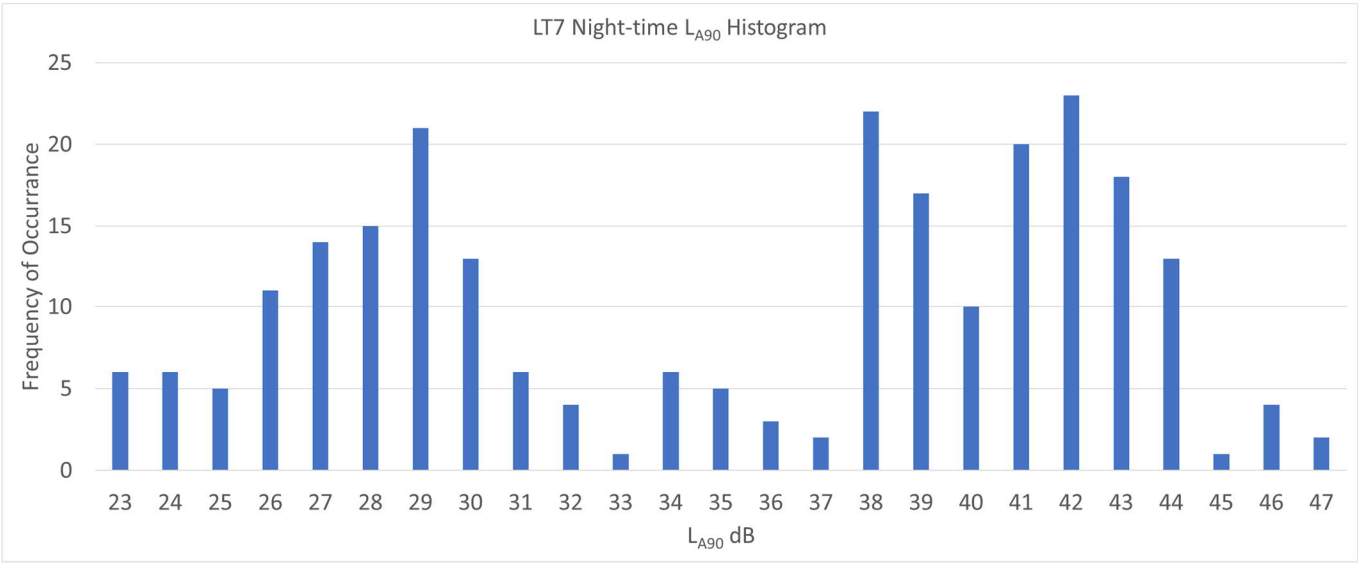
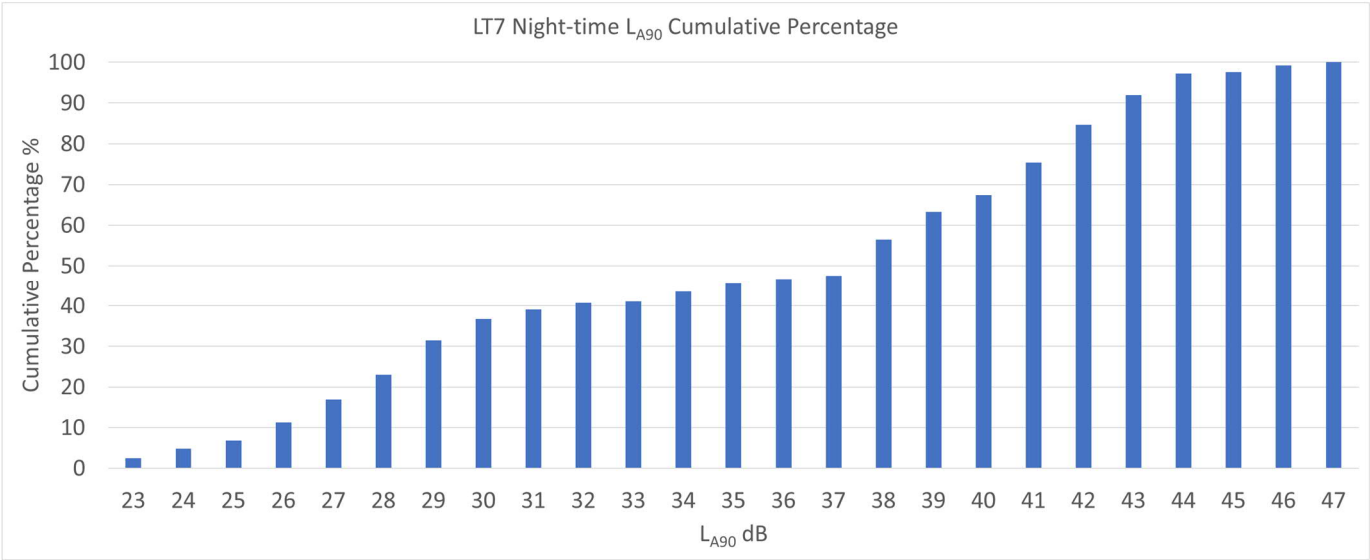


Plate 1.28 - LT7 Night-time Cumulative Percentage



2. PERMANENT 2021 BACKGROUND NOISE LEVELS

2.1. DAYTIME HISTOGRAM AND CUMULATIVE PERCENTAGE

The following figures are daytime (07:00 – 23:00) background noise levels surveyed by Drax during May and June 2021:

Plate 2.1 - Barlow 2021 Daytime Histogram

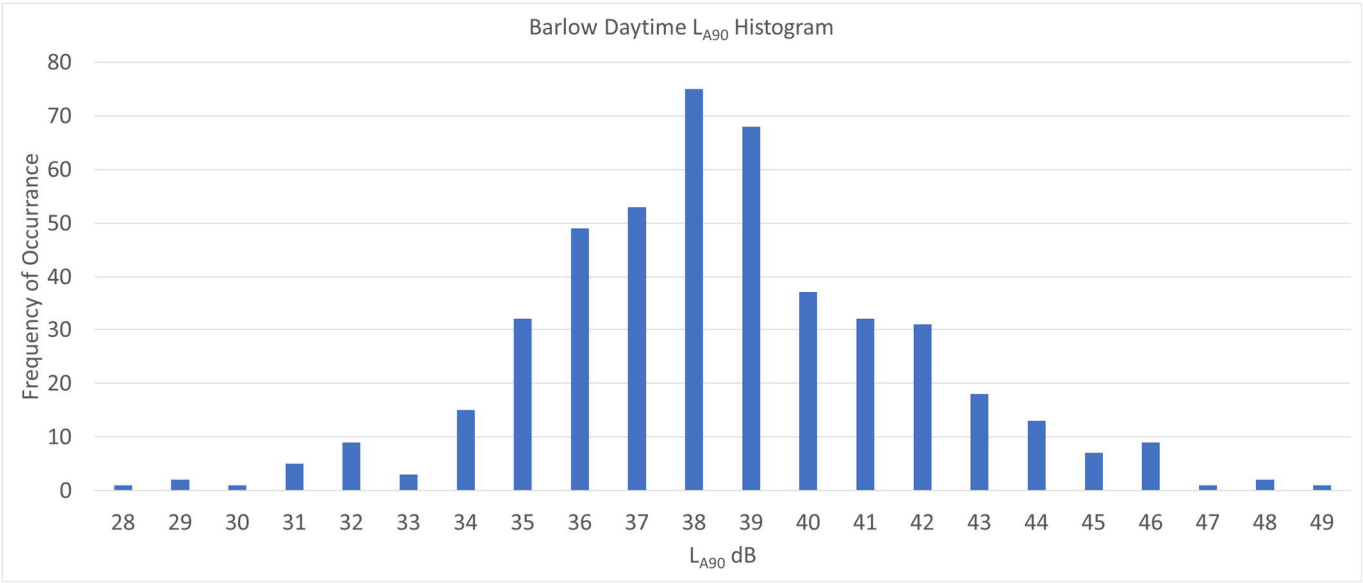


Plate 2.3 - Camblesforth 2021 Daytime Histogram

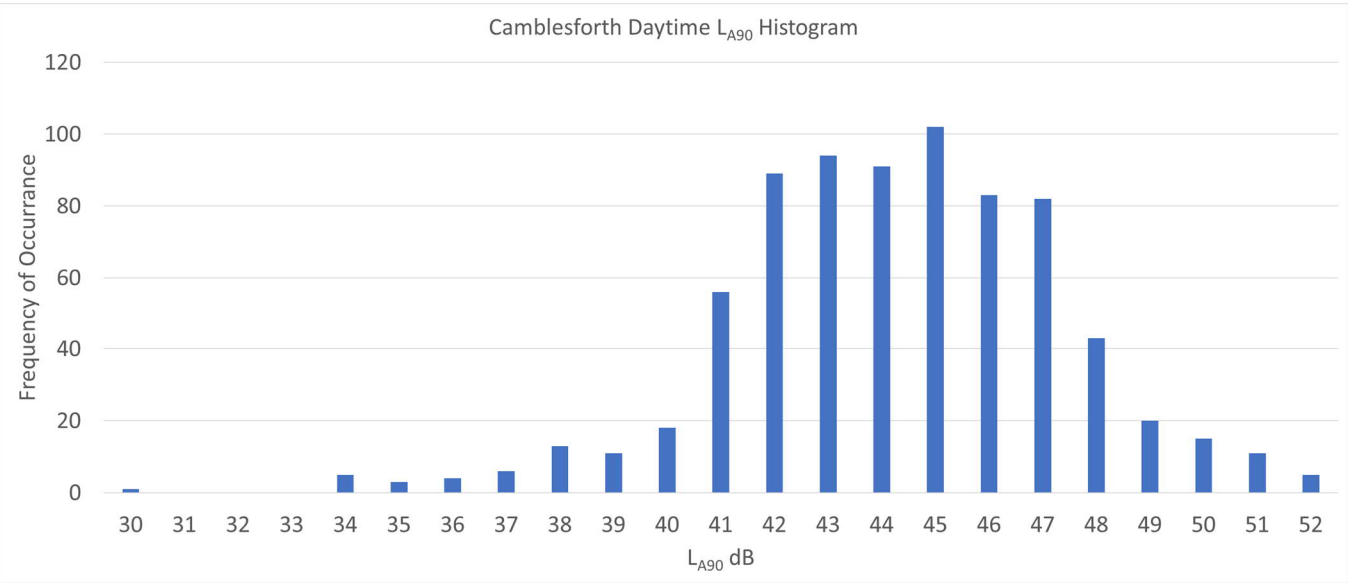


Plate 2.2 - Barlow 2021 Daytime Cumulative Percentage

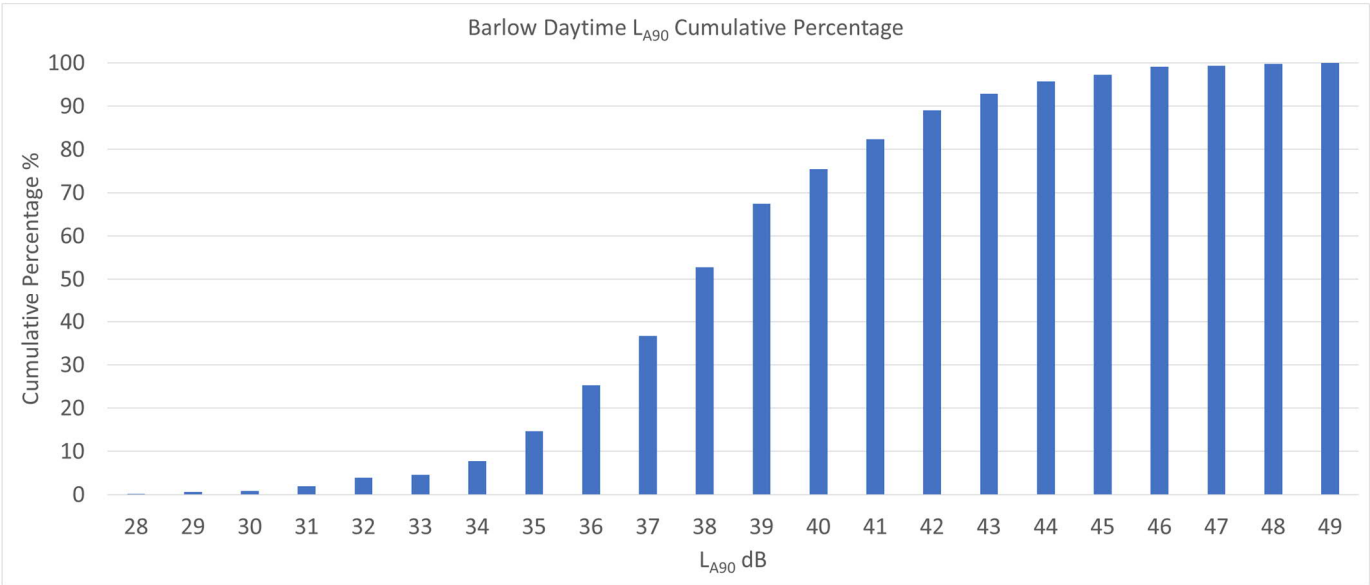
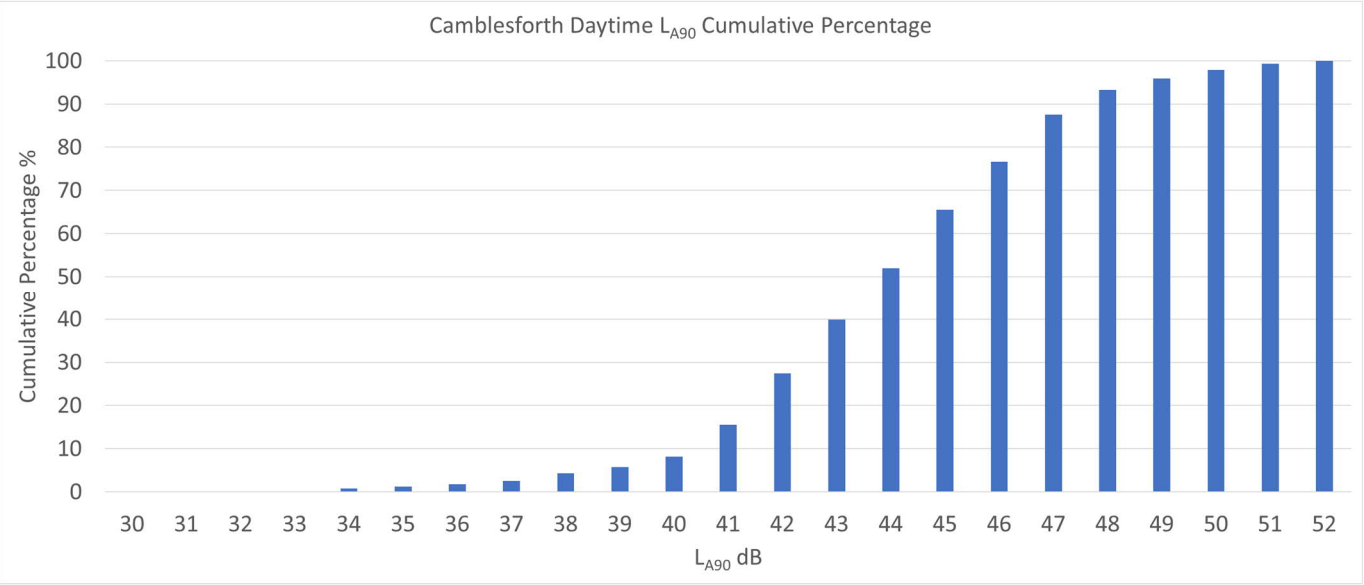


Plate 2.4 - Camblesforth 2021 Daytime Cumulative Percentage



2.2. NIGHT-TIME HISTOGRAM AND CUMULATIVE PERCENTAGE

The following figures are night-time (23:00 – 04:00) background noise levels filtered for the dawn chorus, surveyed by Drax during May and June 2021:

Plate 2.5 - Barlow 2021 Night-time Histogram

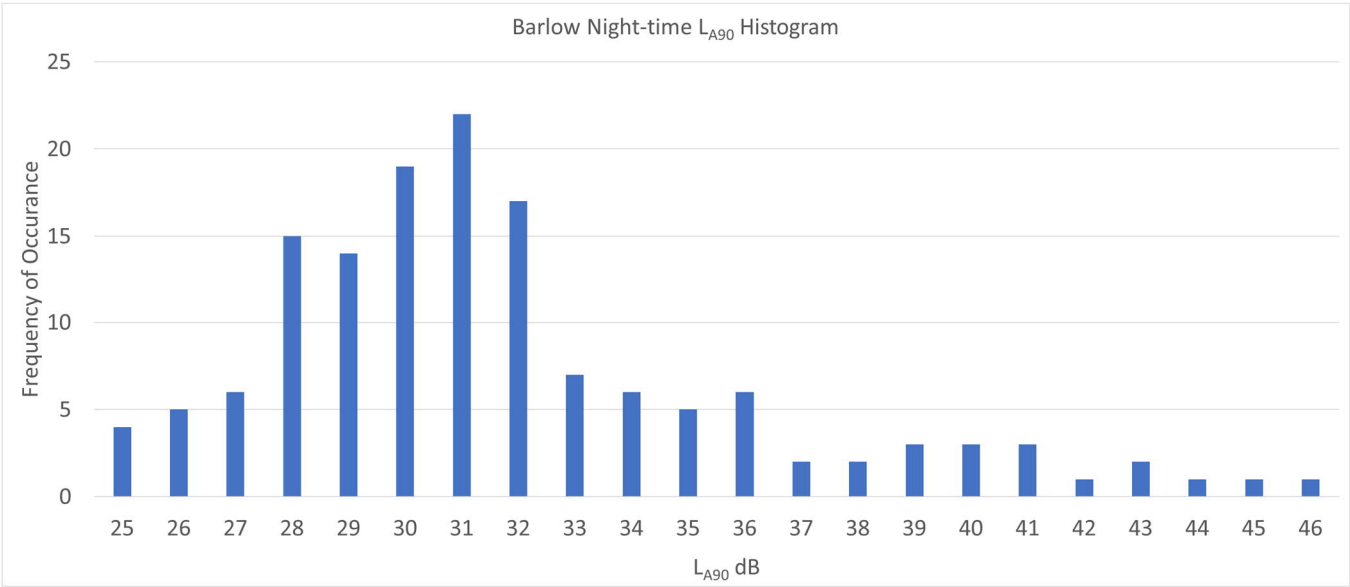


Plate 2.7 - Camblesforth 2021 Night-time Histogram

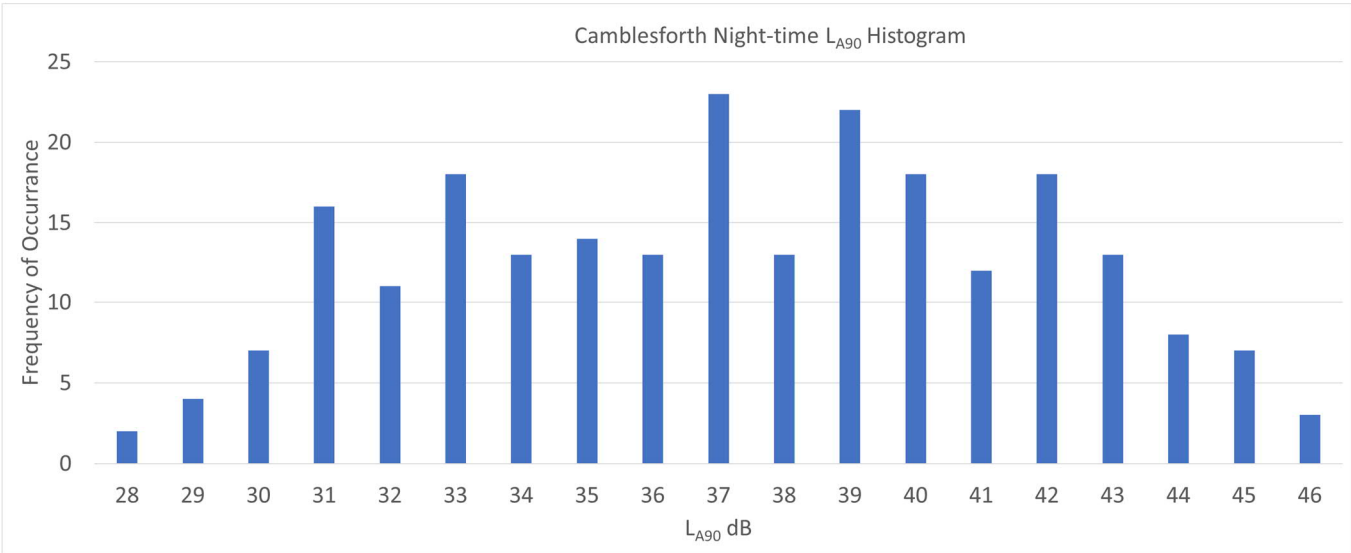


Plate 2.6 - Barlow 2021 Night-time Cumulative Percentage

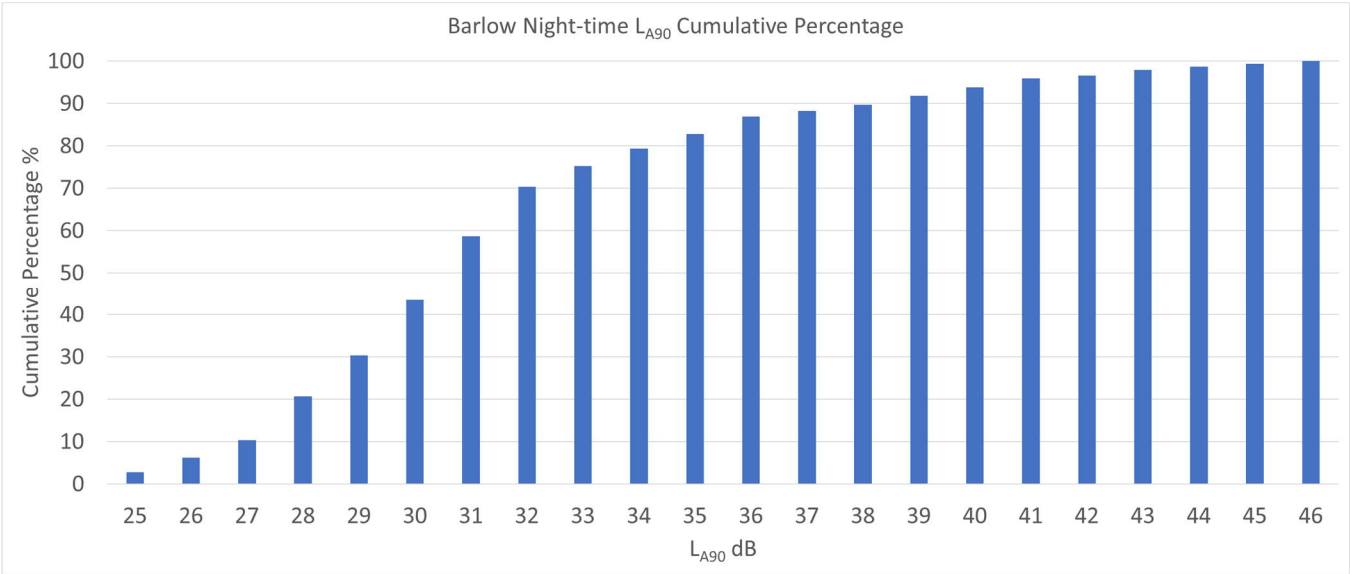
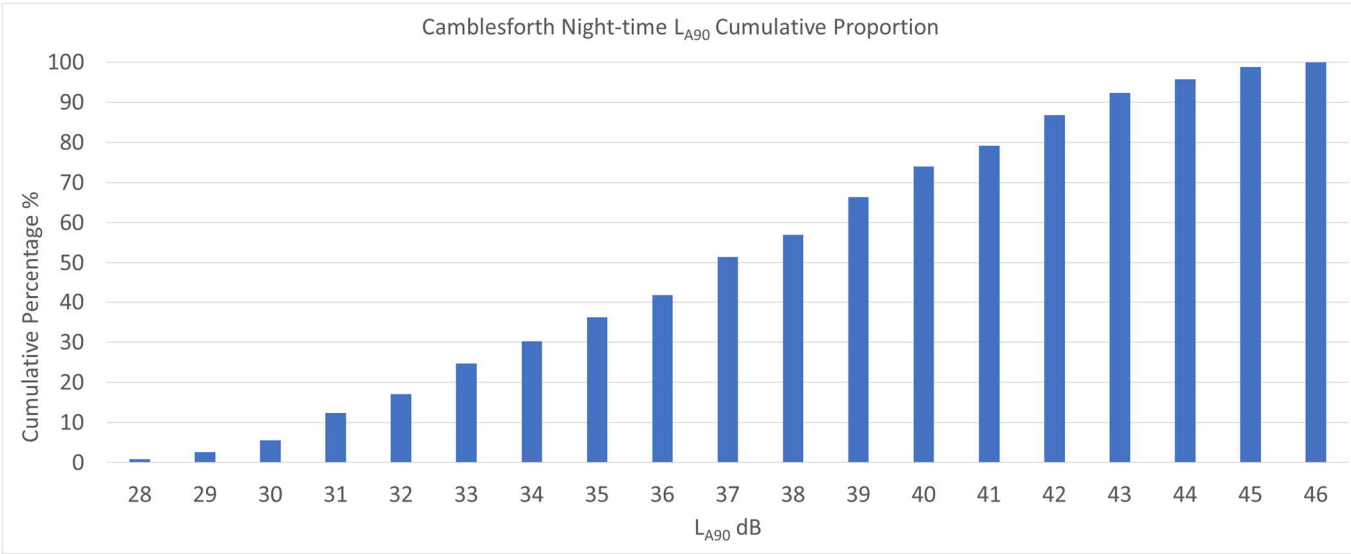


Plate 2.8 - Camblesforth 2021 Night-time Cumulative Percentage



3. PERMANENT 2020 BACKGROUND NOISE LEVELS

3.1. NIGHT-TIME HISTOGRAM AND CUMULATIVE PERCENTAGE

- 3.1.1. The following figures are night-time (23:00 – 07:00) background noise levels surveyed by Drax between February to December 2020:

Plate 3.1 - Barlow 2020 Night-time Histogram

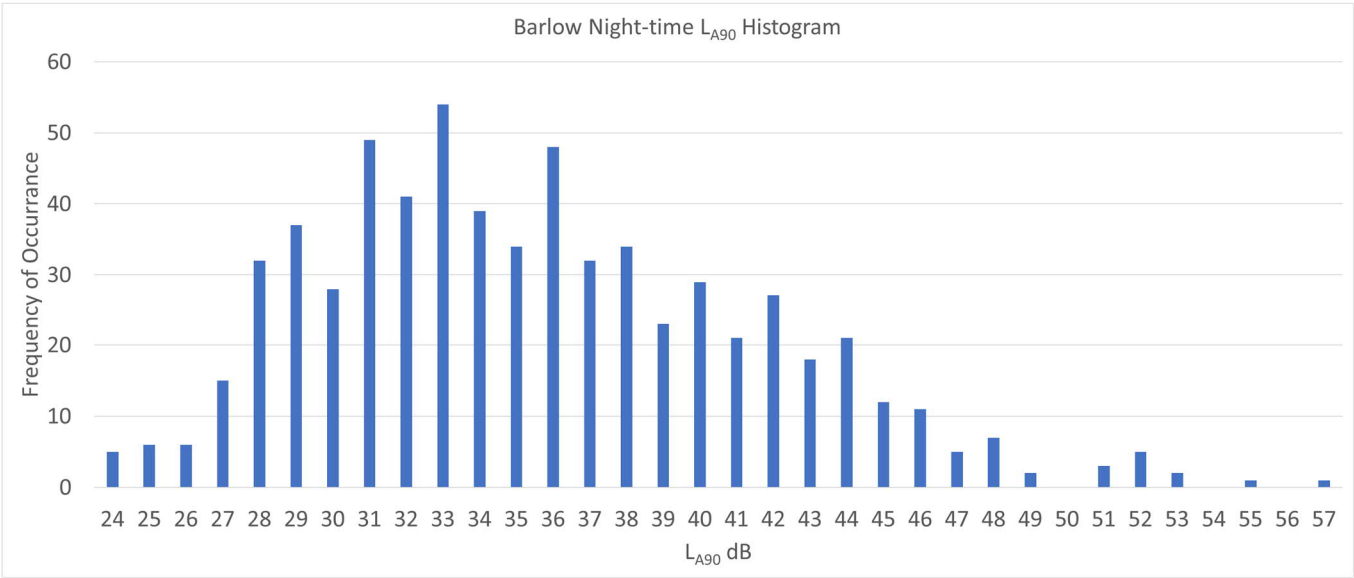


Plate 3.3 - Camblesforth 2020 Night-time Histogram

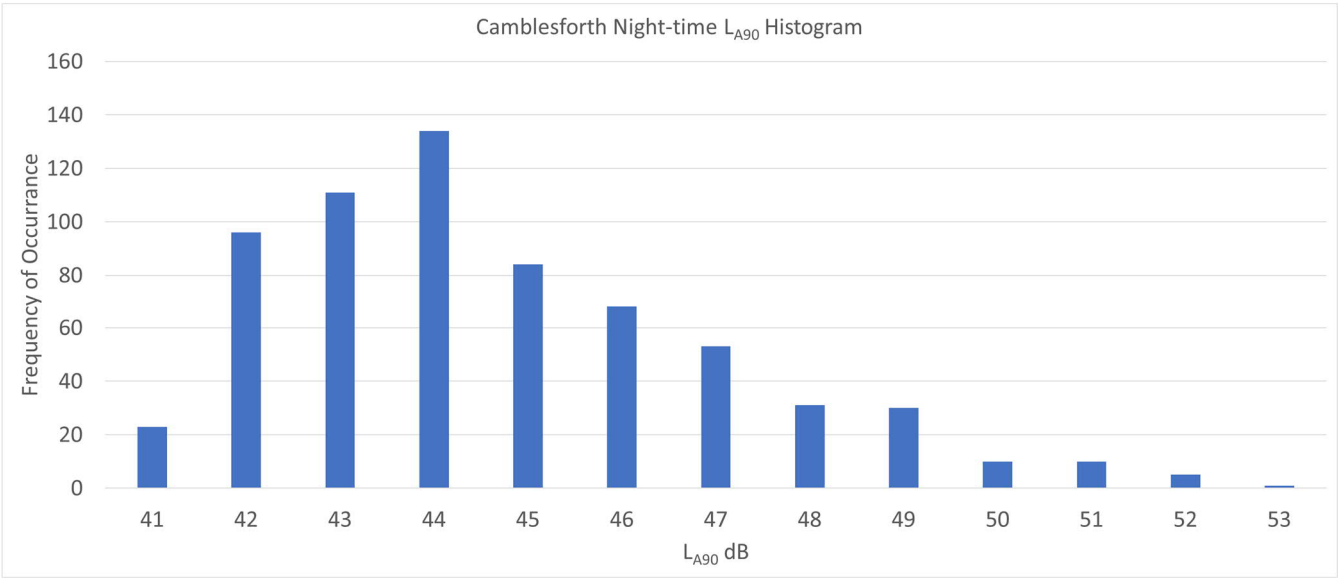


Plate 3.2 - Barlow 2020 Night-time Cumulative Percentage

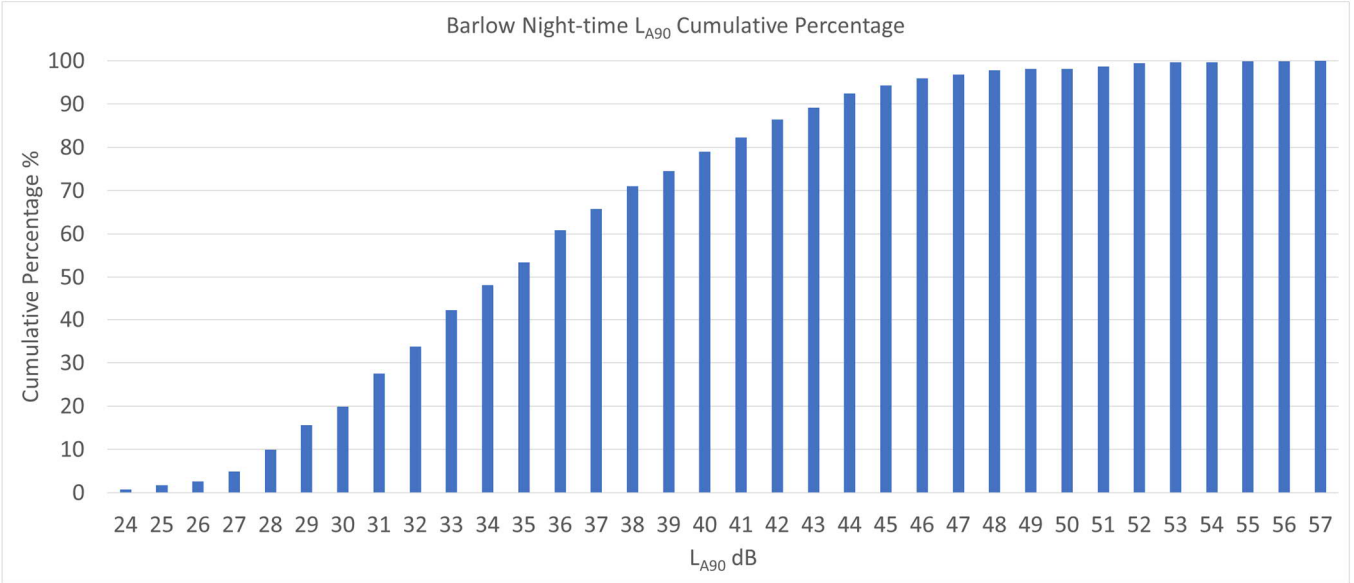


Plate 3.4 - Camblesforth 2020 Night-time Cumulative Percentage

