

Prescott Park Arts Festival
Sound Level Monitoring Report
July 15th, 2018 – July 28th, 2018

Prepared by
Eric L. Reuter, INCE Bd. Cert.
for
The City of Portsmouth, NH

Introduction

Reuter Associates, LLC is under contract with the City of Portsmouth, NH to provide monitoring of sound levels during events at the city-owned facility. The Prescott Park Arts Festival, a non-profit arts and education organization, presents musical theater, concerts, and other events throughout the summer season.

Background information related to the Sound Management Plan for Prescott Park and the monitoring protocol, including the initial monitoring report (covering the period of June 15th to July 14th, 2018) can be found on the City's website at (<http://cityofportsmouth.com/prescottpark/pppac.html>).

Event Data

The attached Appendix A provides plots of sound levels versus time from 6 pm to midnight for each night between July 15, 2018 and July 28, 2018. Nights without events have been included for clarity and comparison.

Each plot presents data measured between 6 pm and 12 am. The lines plotted are both A-weighted sound pressure level in 1-minute intervals, as plotting six hours of data in 1-second intervals makes the plot difficult to interpret. The 1-second data are available for further analysis.

1-minute Leq – The Leq over the minute ending at the data point

Maximum 1-second Leq – The maximum 1-second Leq measured during this minute
Also included are lines indicating the yellow and red light thresholds.

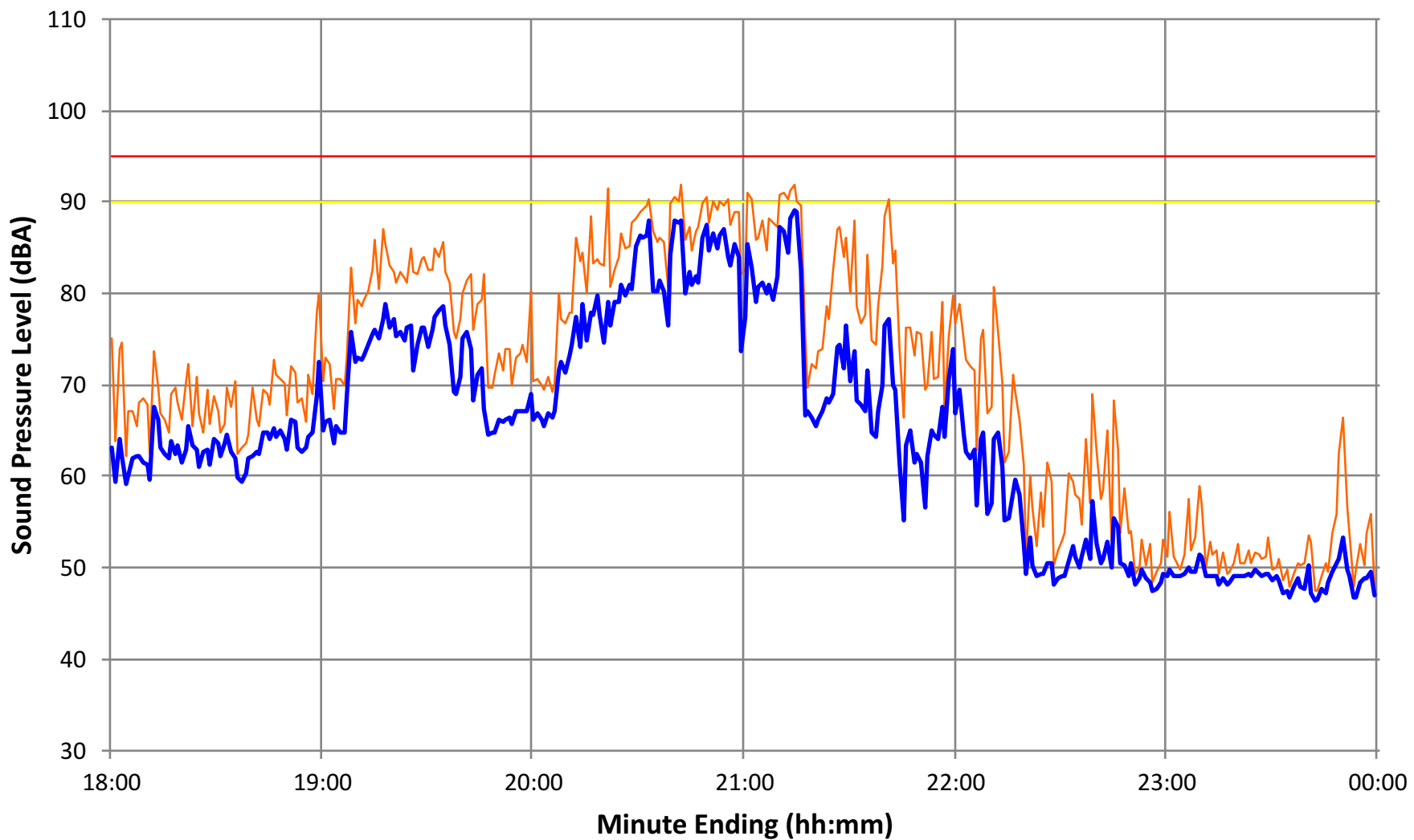
A detailed discussion of decibels, Leq, and other terminology is available in the initial report (covering the period between June 15th and July 28th, 2018).

Event Notes

Sound levels were consistently below 90 dBA for all events during this time period. During the Gillian Welch concert on July 21, levels exceeding the limit twice at the end of the show, but this appears to be crowd noise.

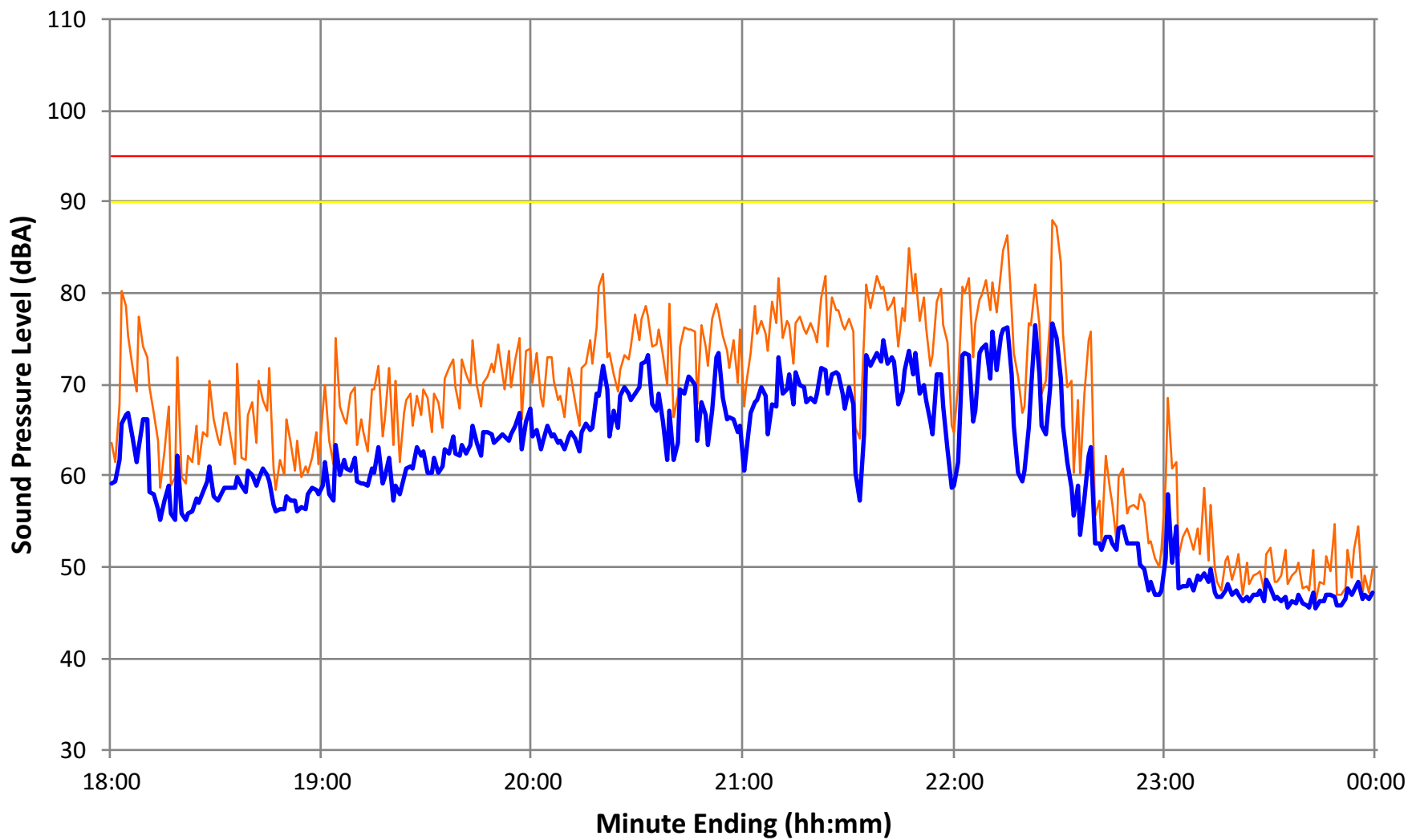
Appendix A
Sound Monitor Data

M. Ward
07-15-2018



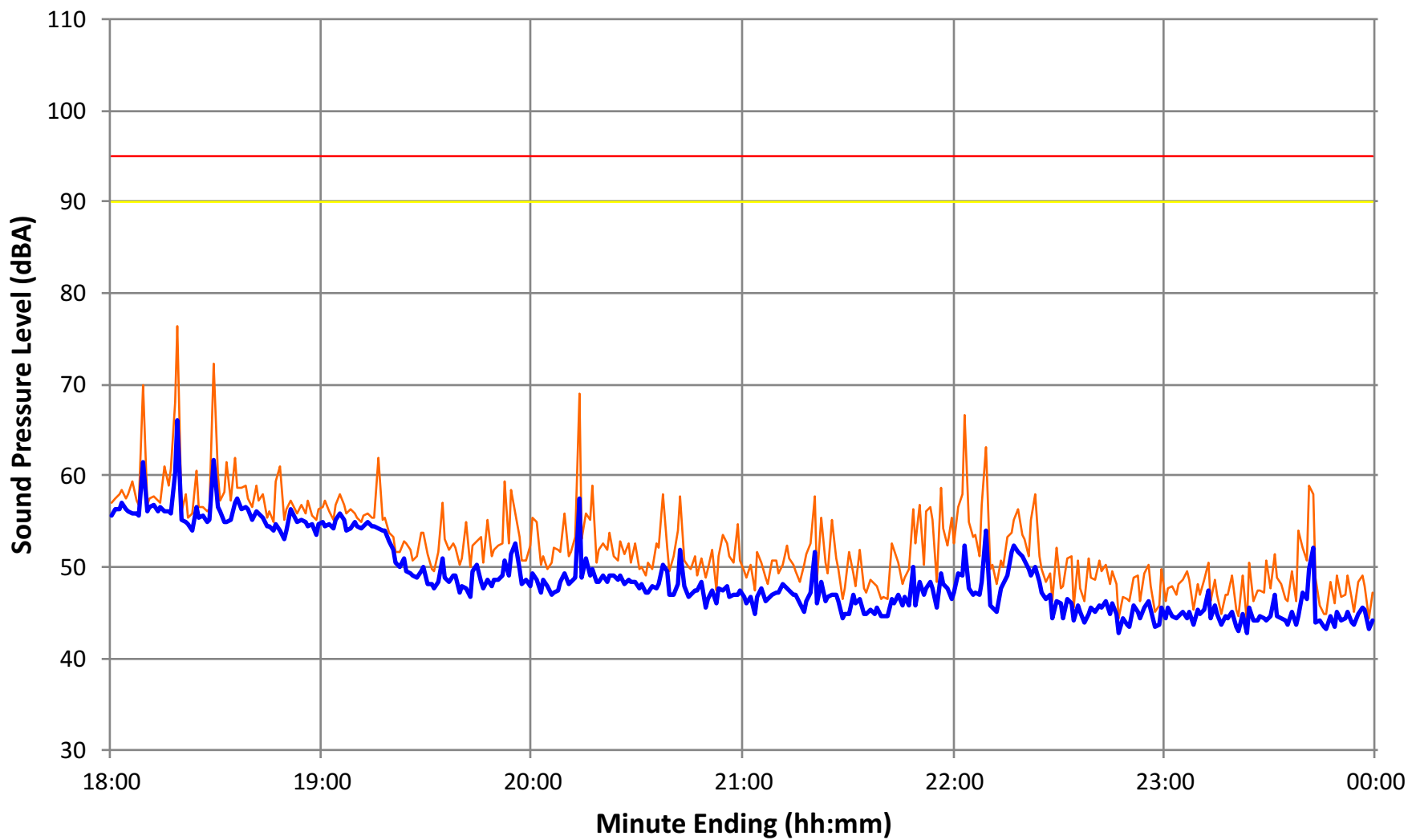
— Yellow Light — Red Light — Maximum 1-sec Leq — 1-minute Leq

Movie: Coco
07-16-2018



— Yellow Light — Red Light — Maximum 1-sec Leq — 1-minute Leq

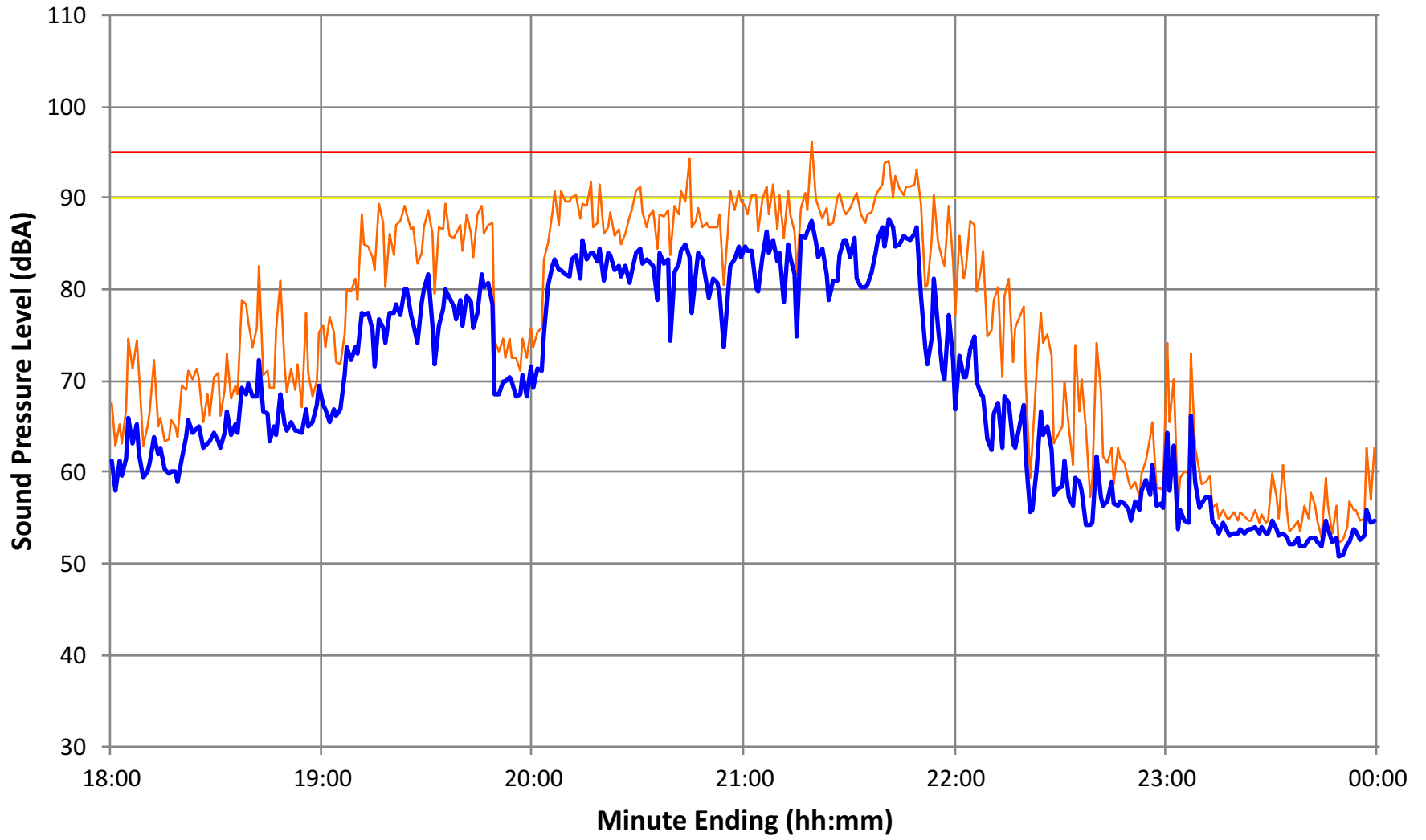
No Event 07-17-2018



— Yellow Light — Red Light — Maximum 1-sec Leq — 1-minute Leq

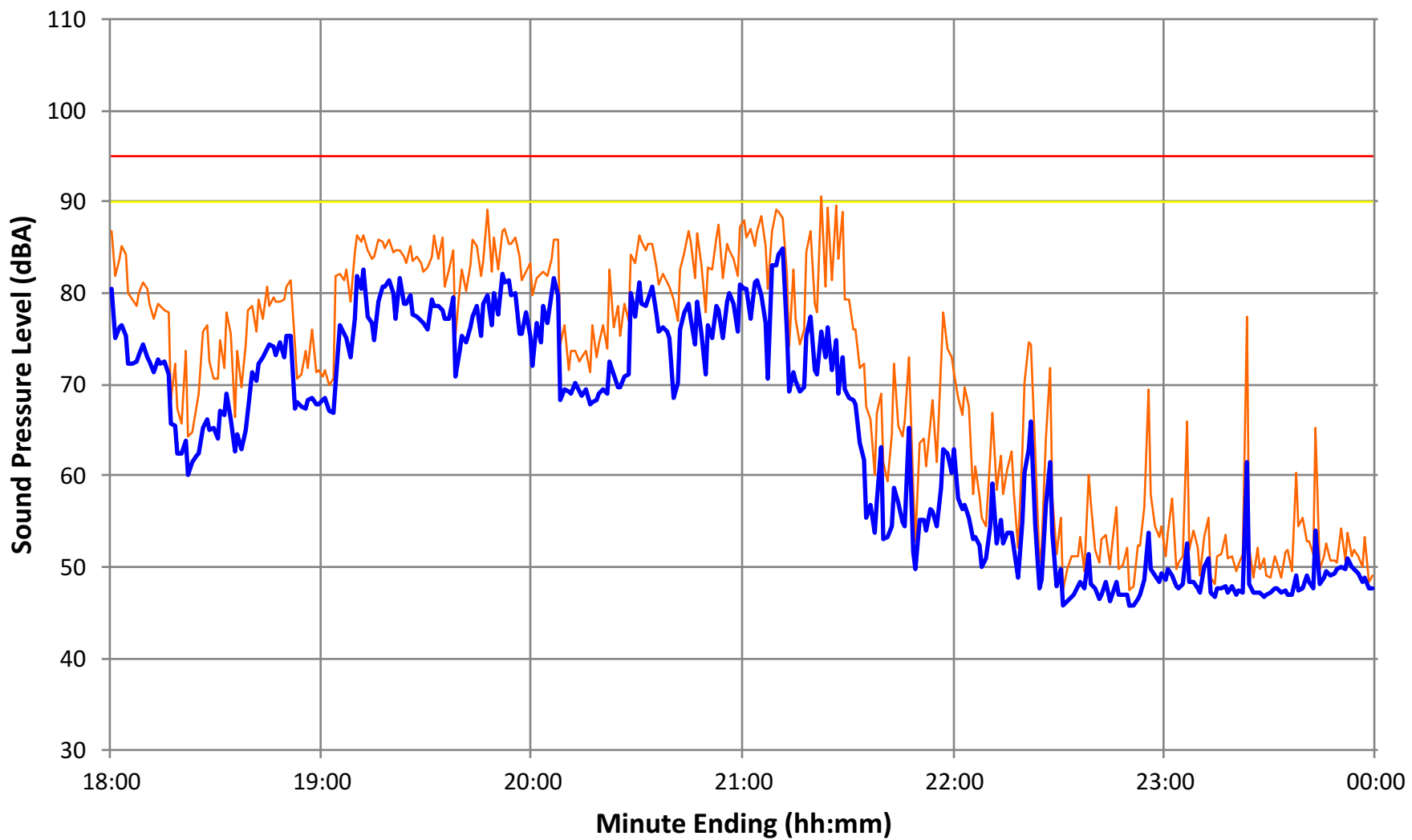
The Del McCoury Band

07-18-2018



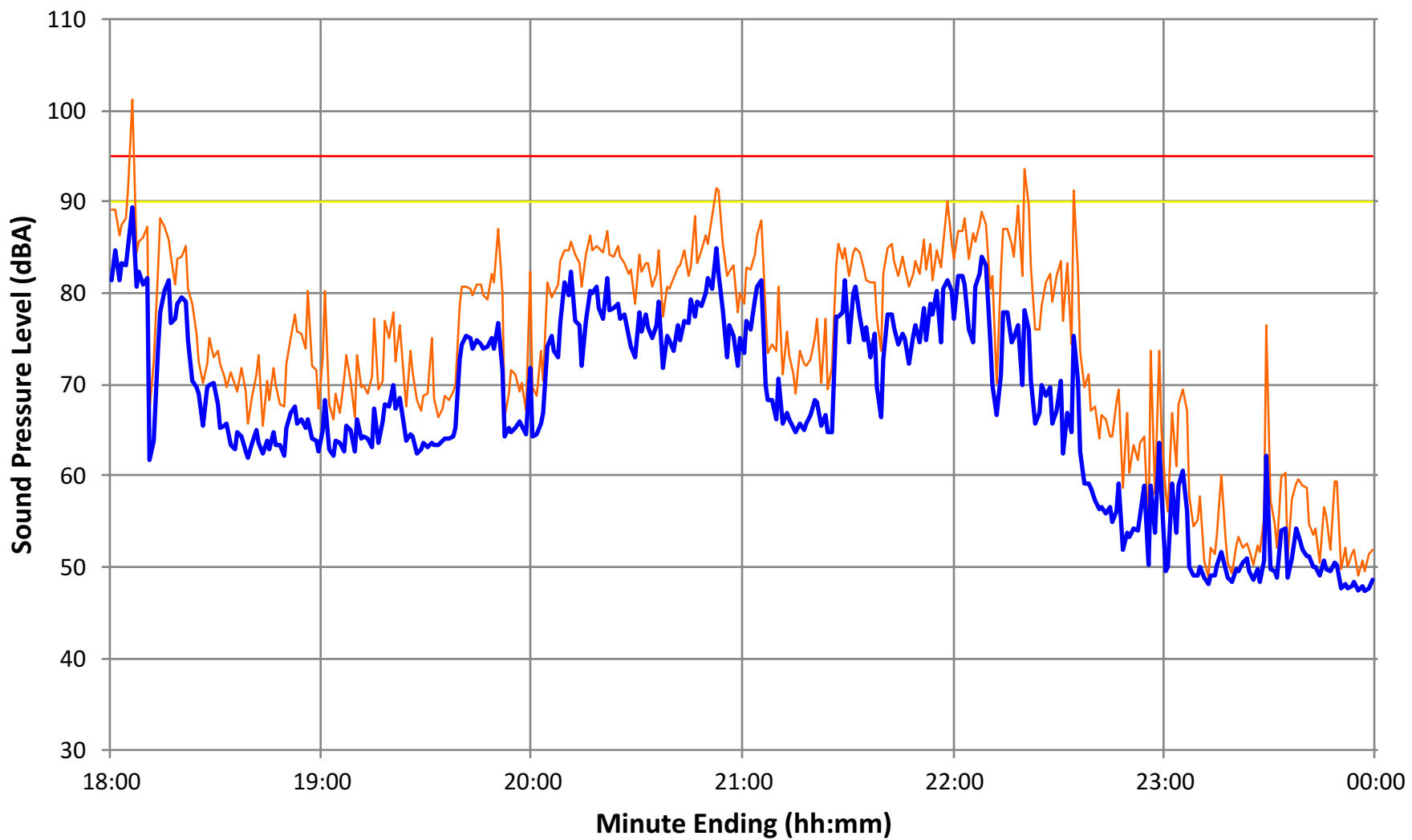
Yellow Light Red Light Maximum 1-sec Leq 1-minute Leq

Seussical 07-19-2018



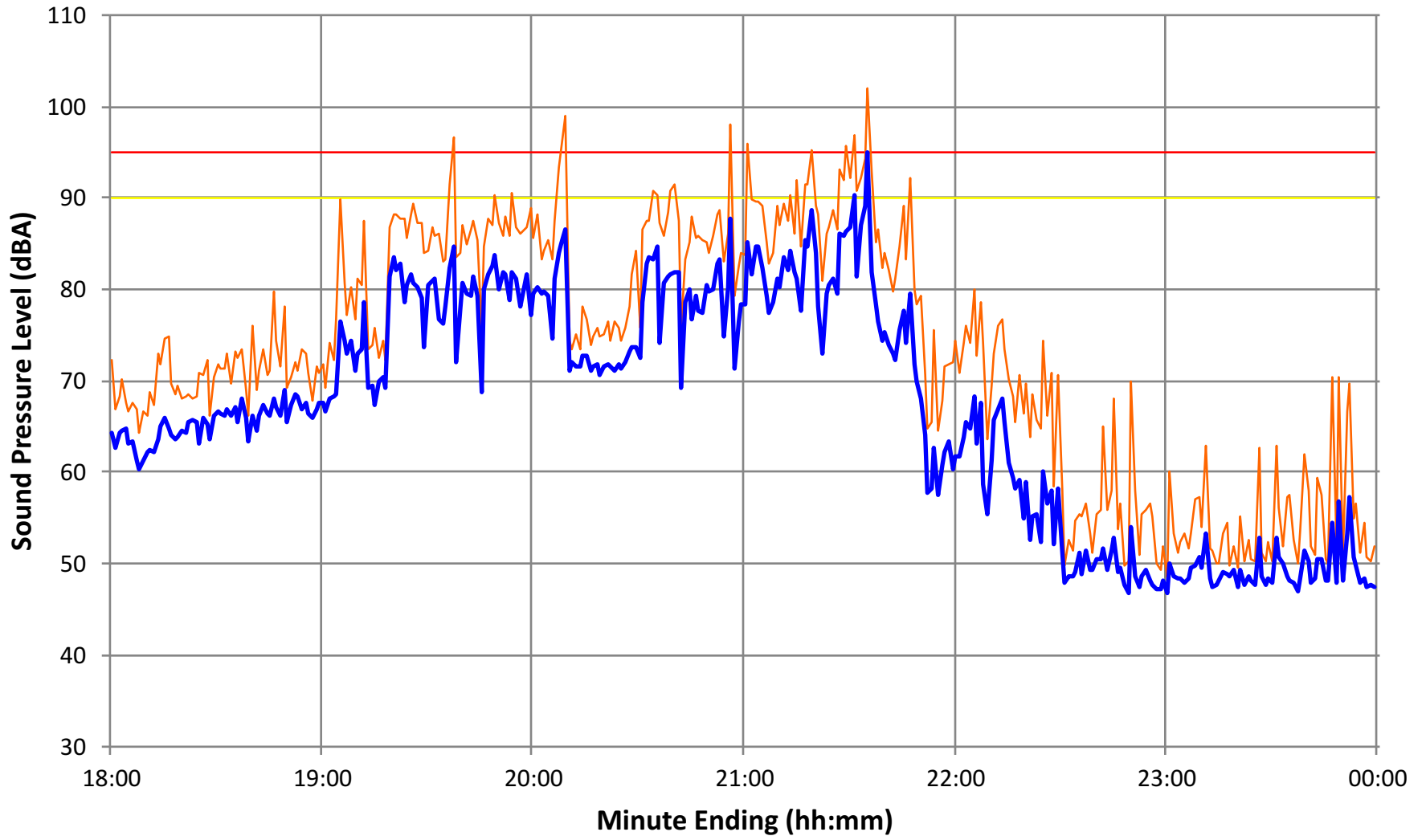
— Yellow Light — Red Light — Maximum 1-sec Leq — 1-minute Leq

Seussical 07-20-2018



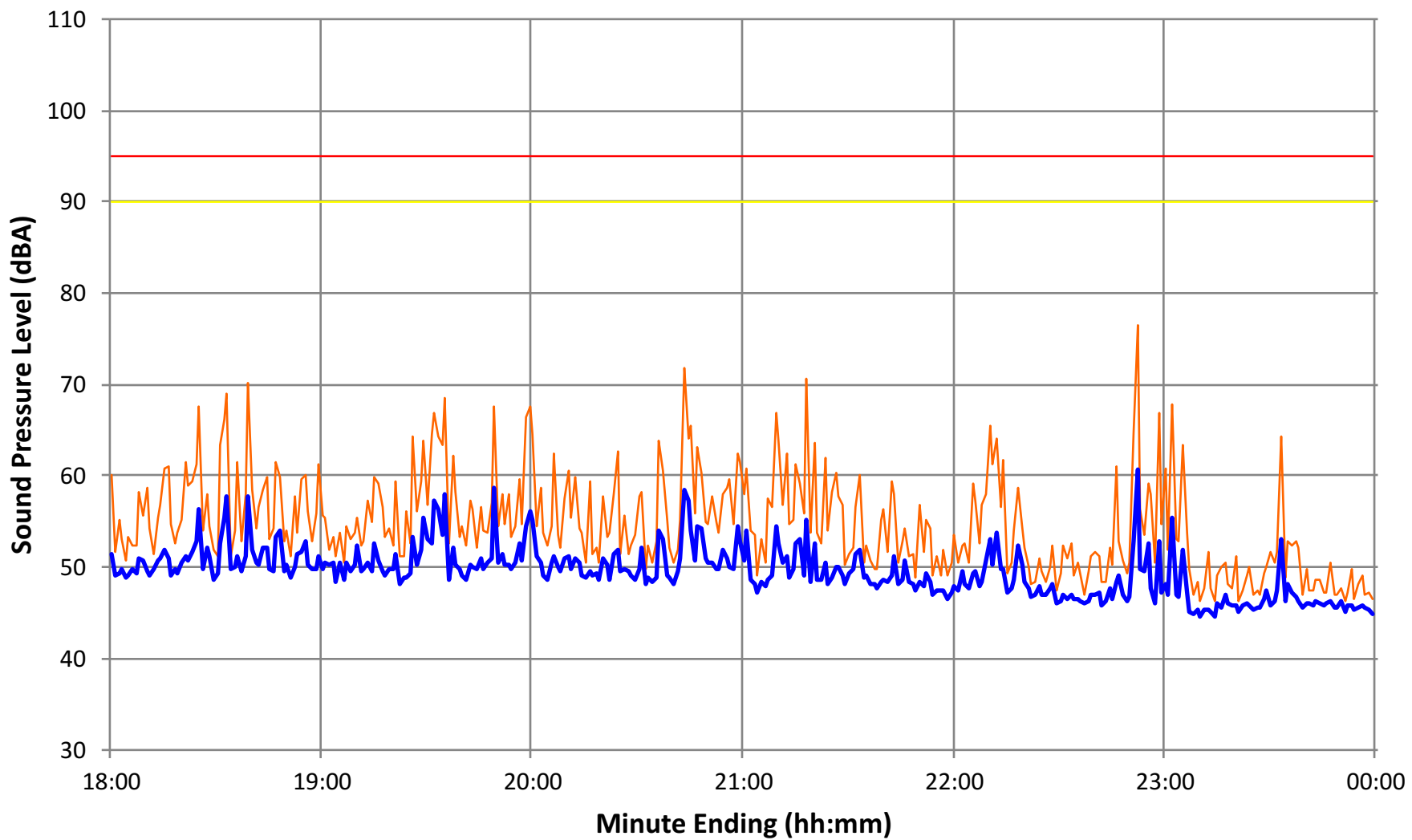
— Yellow Light — Red Light — Maximum 1-sec Leq — 1-minute Leq

Gillian Welch
07-21-2018



— Yellow Light — Red Light — Maximum 1-sec Leq — 1-minute Leq

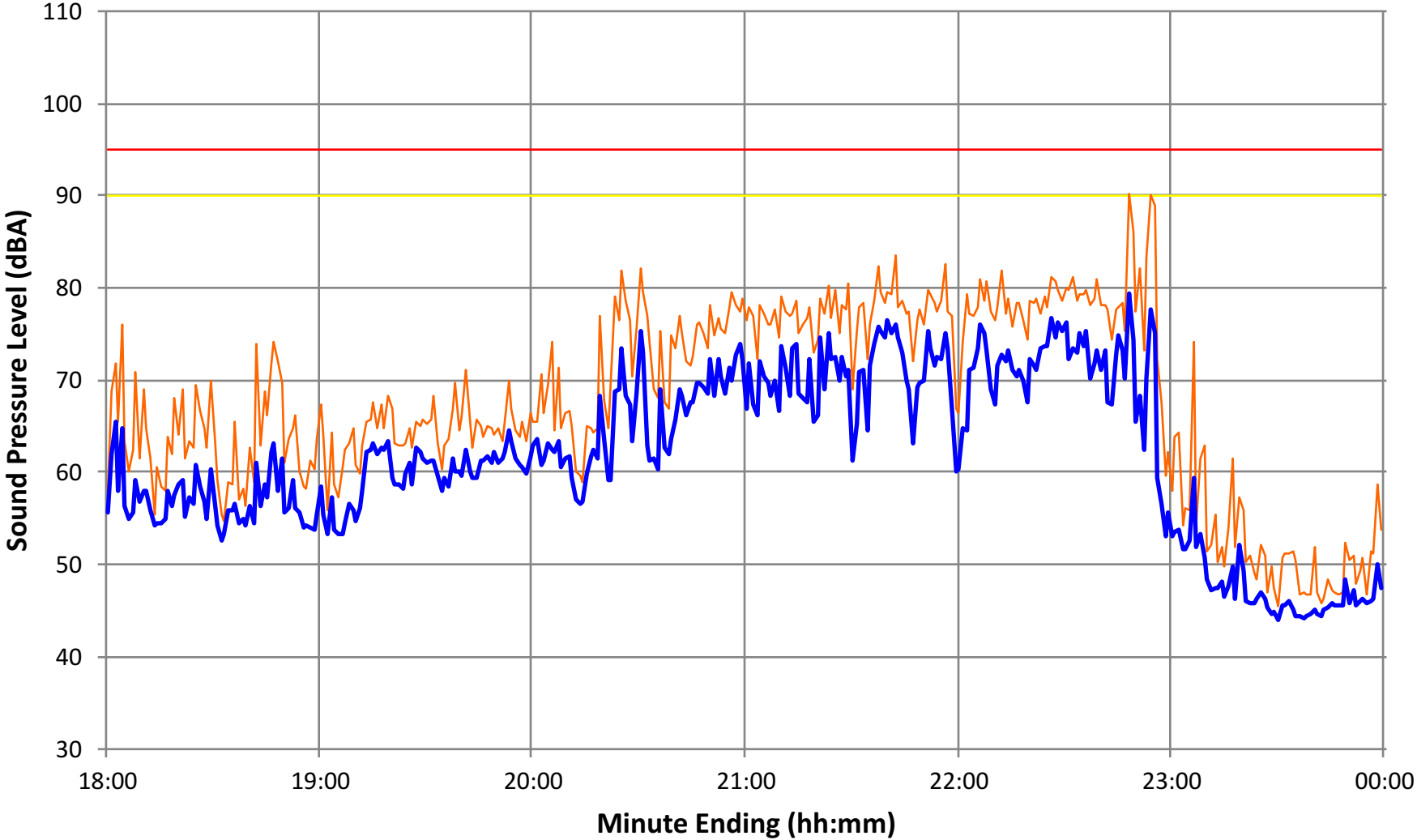
Seussical 07-22-2018



— Yellow Light — Red Light — Maximum 1-sec Leq — 1-minute Leq

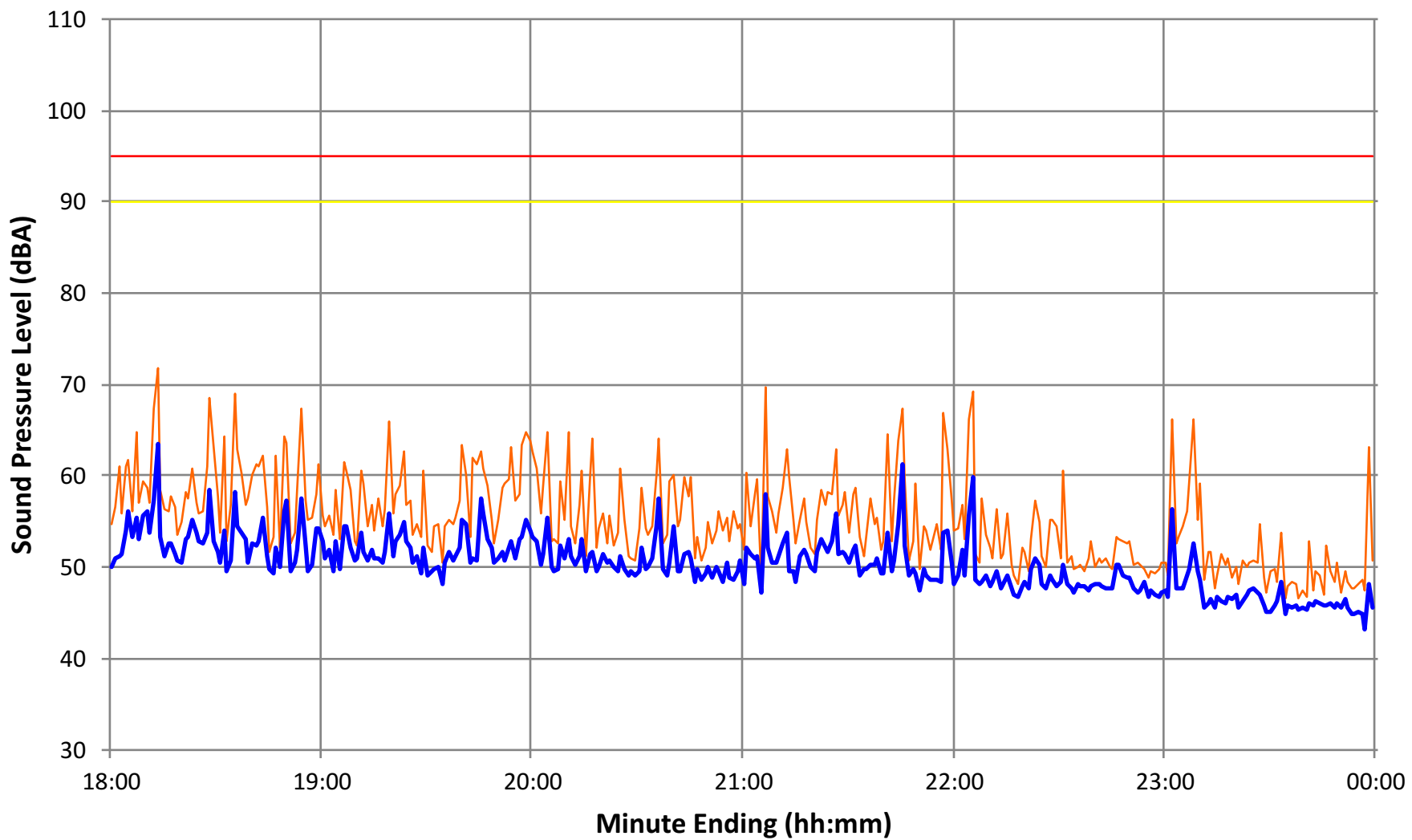
Movie: The Dark Night

07-23-2018



Yellow Light Red Light Maximum 1-sec Leq 1-minute Leq

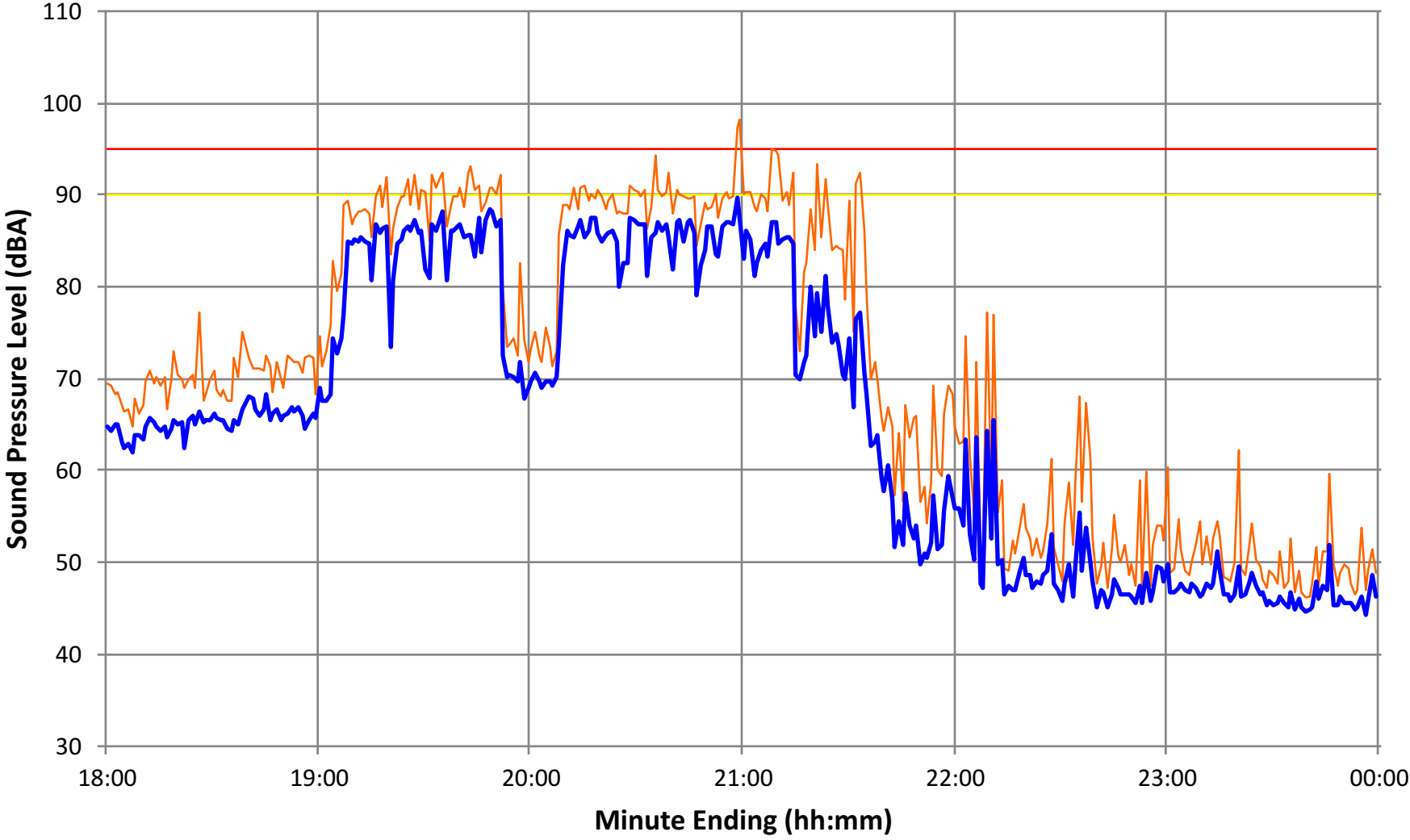
No Event 07-24-2018



— Yellow Light — Red Light — Maximum 1-sec Leq — 1-minute Leq

Billy Strings

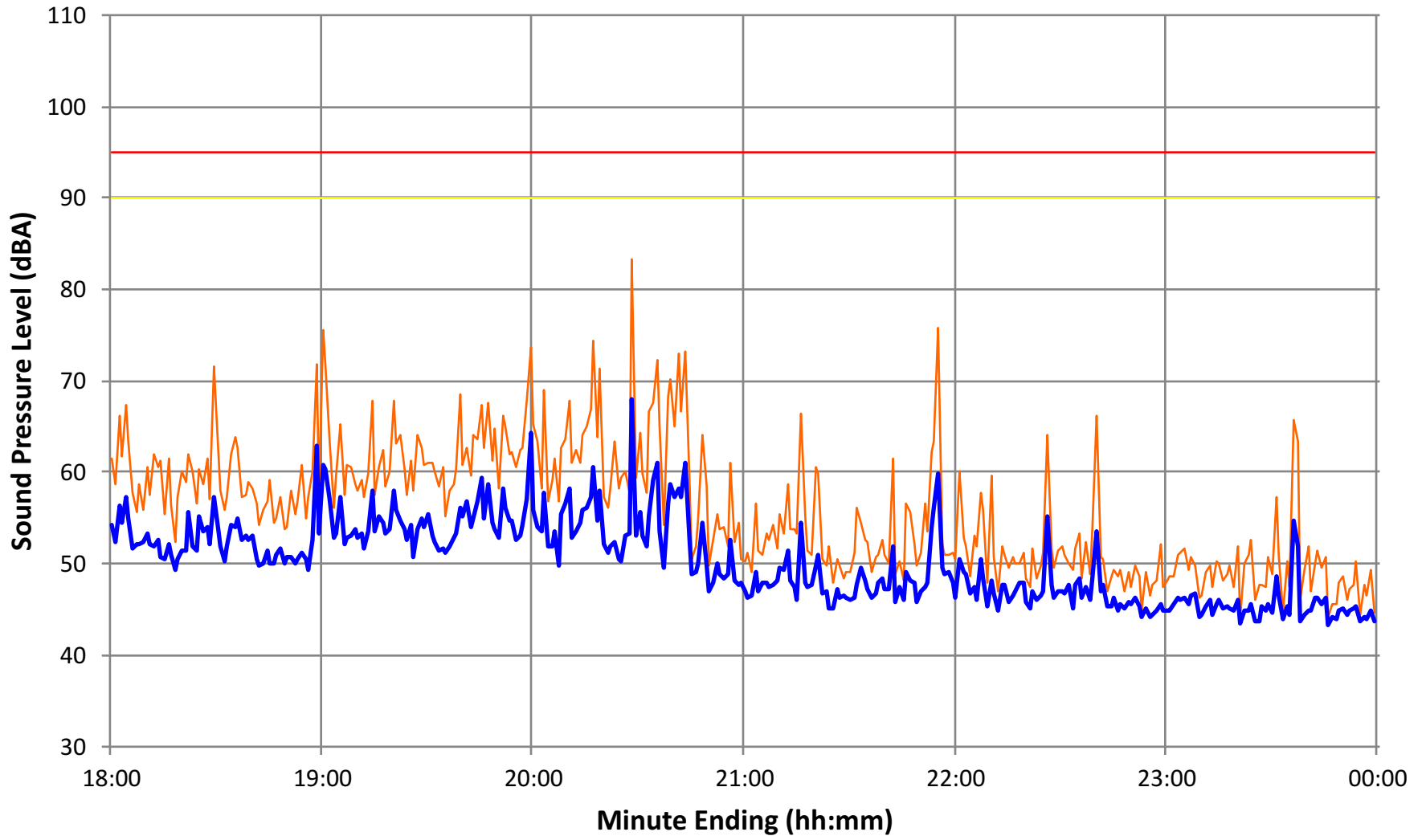
07-25-2018



Yellow Light Red Light Maximum 1-sec Leq 1-minute Leq

No Event (Weather)

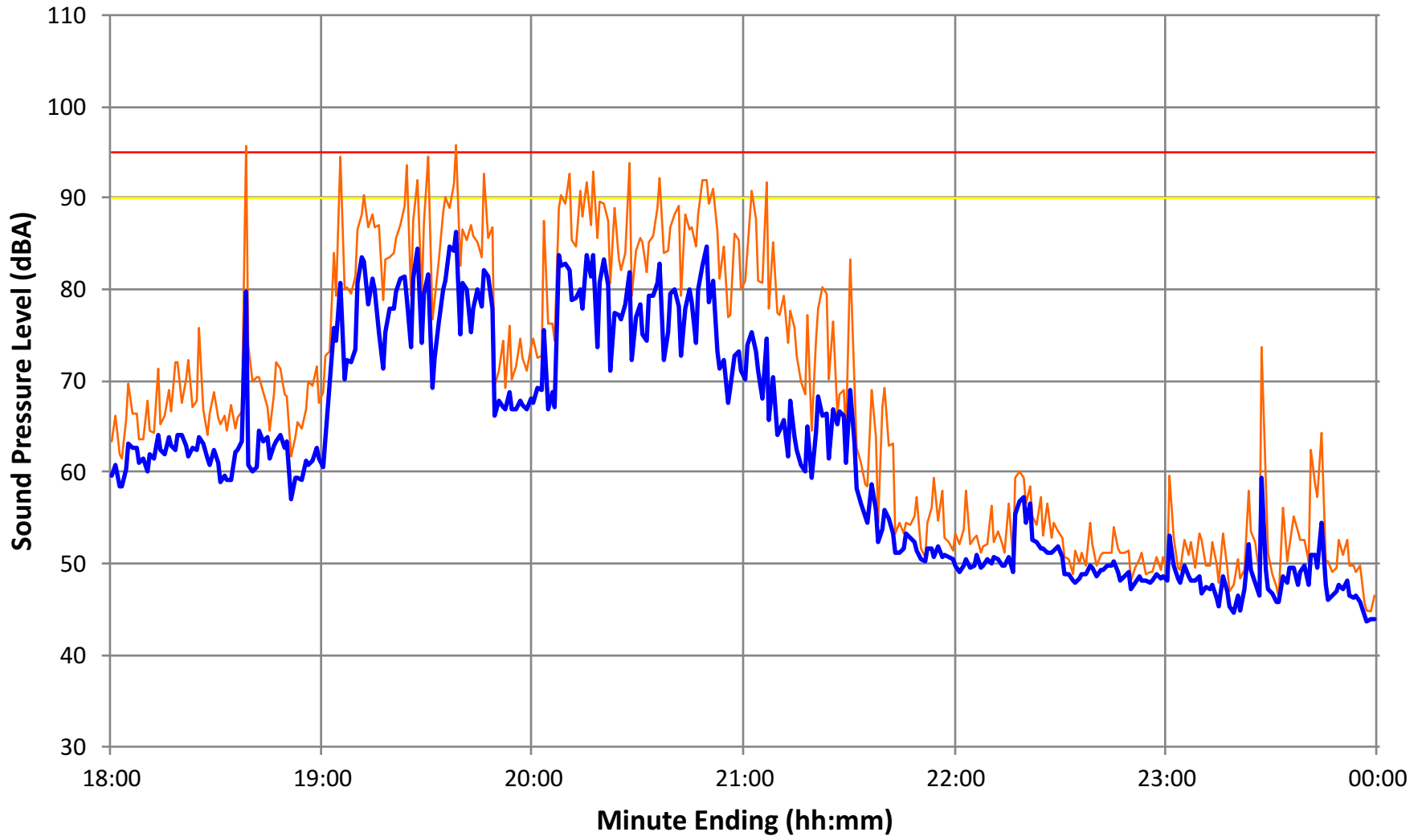
07-26-2018



— Yellow Light — Red Light — Maximum 1-sec Leq — 1-minute Leq

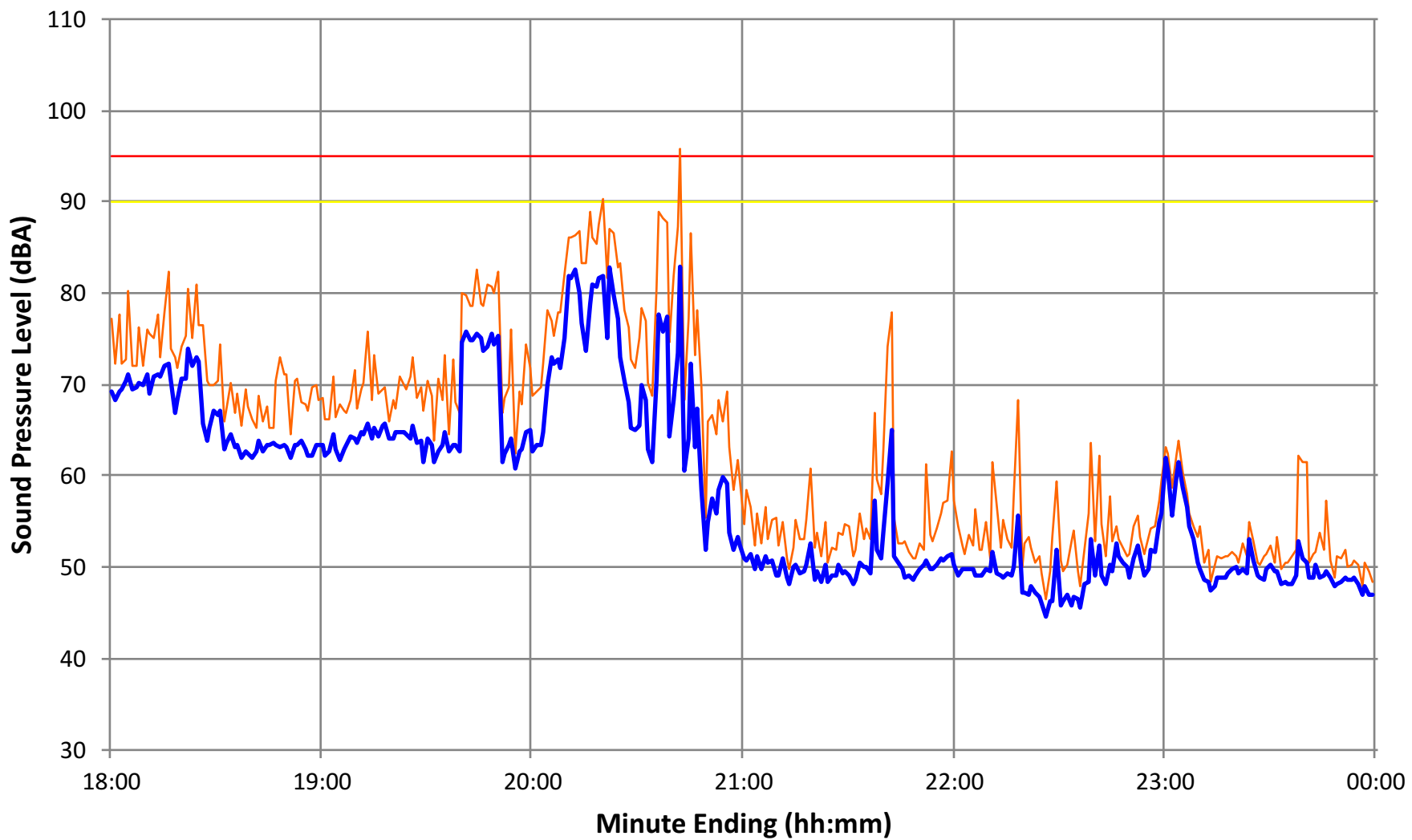
The White Buffalo

07-27-2018



Yellow Light Red Light Maximum 1-sec Leq 1-minute Leq

Seussical 07-28-2018



— Yellow Light — Red Light — Maximum 1-sec Leq — 1-minute Leq