

Prescott Park Arts Festival  
**Sound Level Monitoring Report**  
*July 29<sup>th</sup>, 2018 – August 11<sup>th</sup>, 2018*

Prepared by  
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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 15<sup>th</sup> to July 14<sup>th</sup>, 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 29<sup>th</sup>, 2018 and August 11<sup>th</sup>, 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.

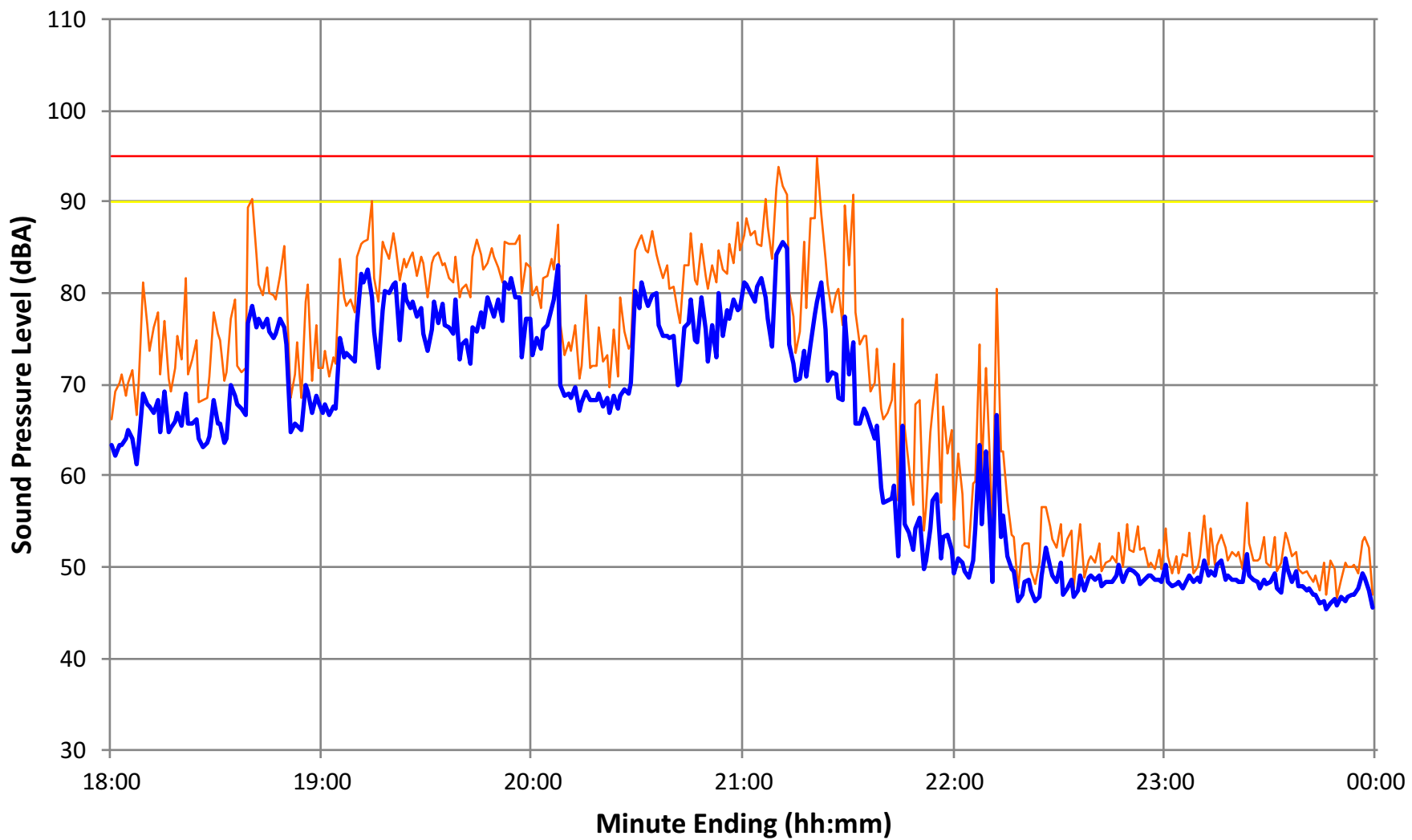
A detailed discussion of decibels, Leq, and other terminology is available in the initial report (covering the period between June 15<sup>th</sup> and July 28<sup>th</sup>, 2018).

## Event Notes

Sound levels were consistently below 90 dBA for the majority of events during this time period. The only event that exceeded the limit was Pat Metheny, and only at the start of the show. The engineer reduced the levels after the first few minutes.

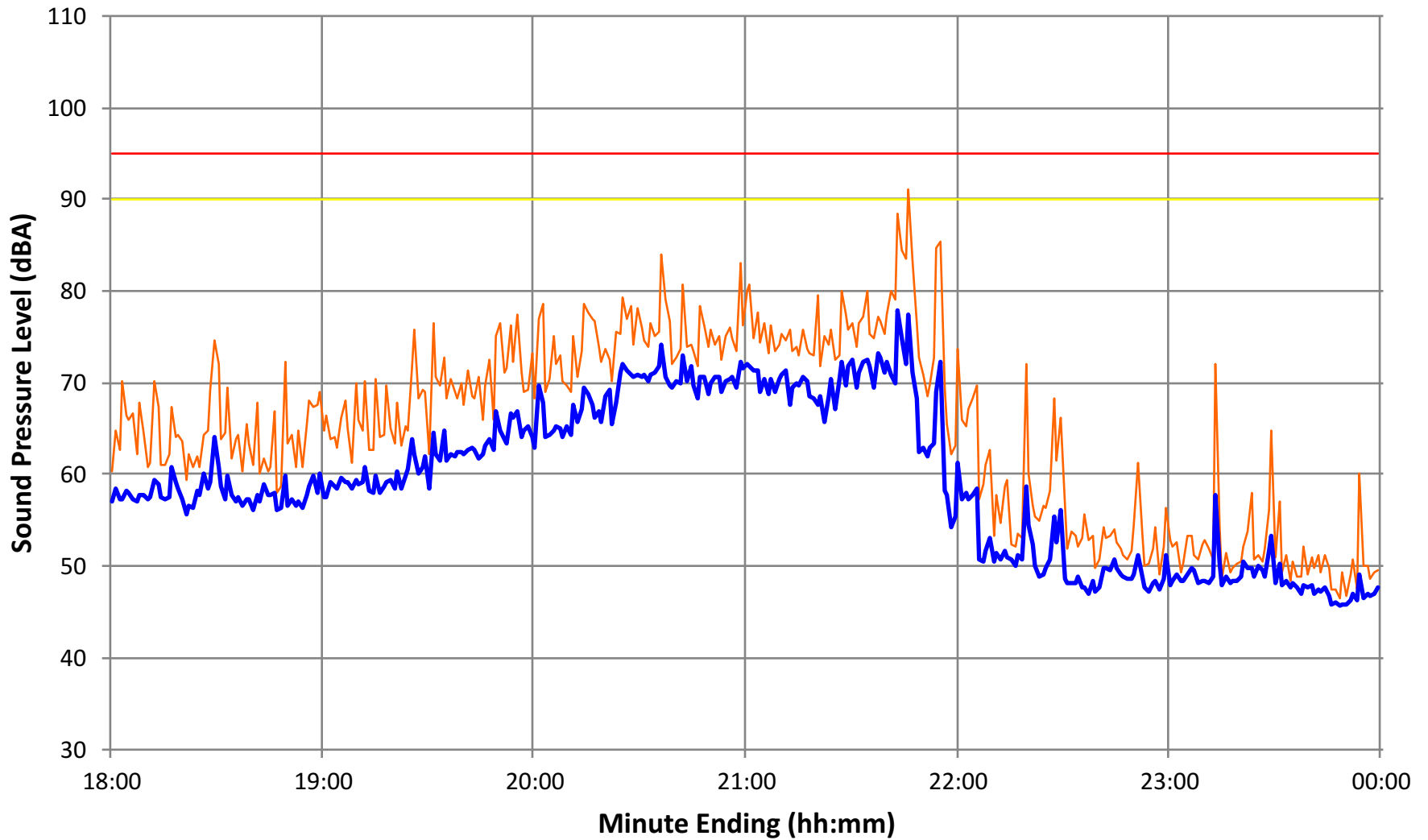
**Appendix A**  
Sound Monitor Data

# Seussical 07-29-2018



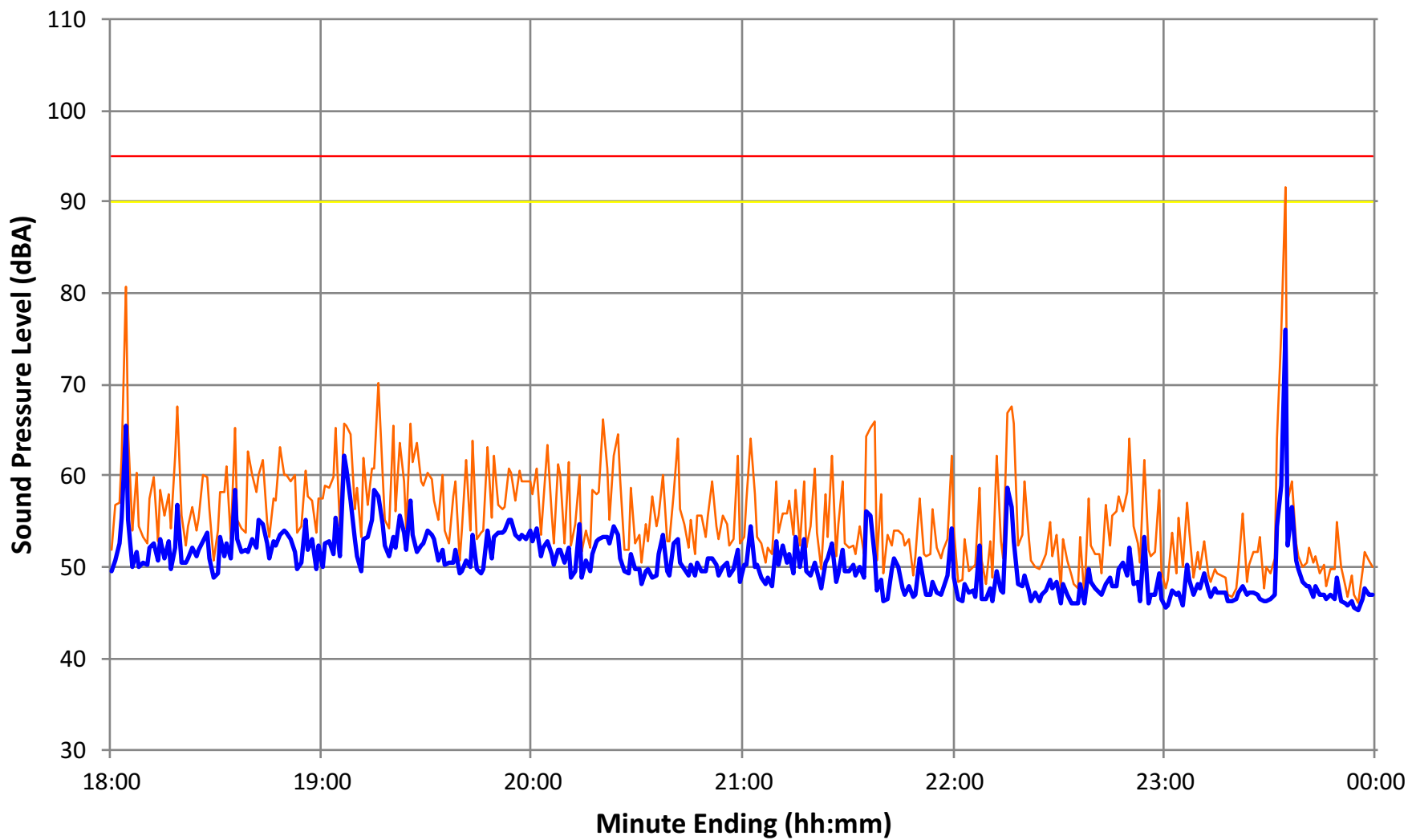
Yellow Light   Red Light   Maximum 1-sec Leq   1-minute Leq

# Movie (Toy Story) 07-30-2018



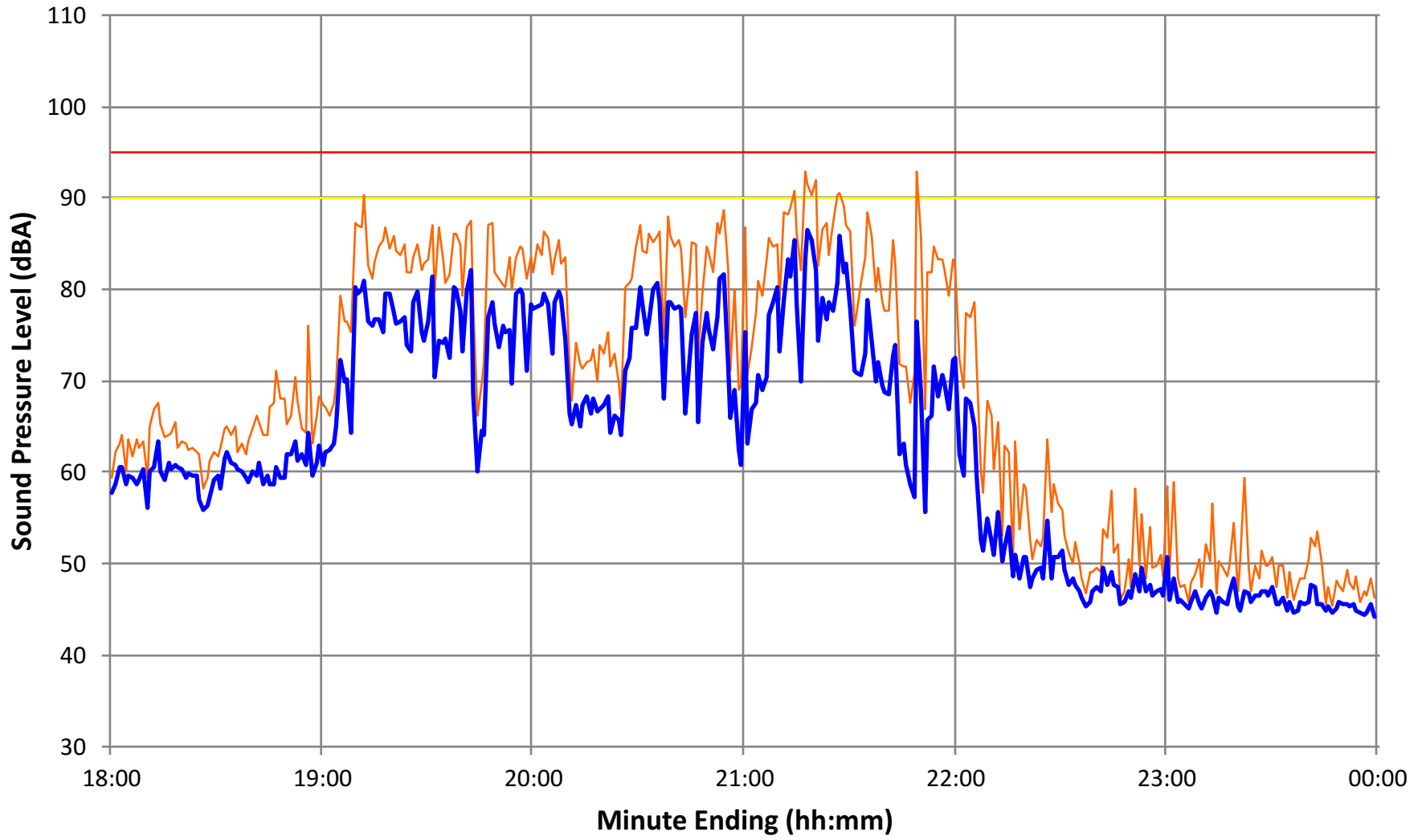
— Yellow Light — Red Light — Maximum 1-sec Leq — 1-minute Leq

# No Event 07-31-2018



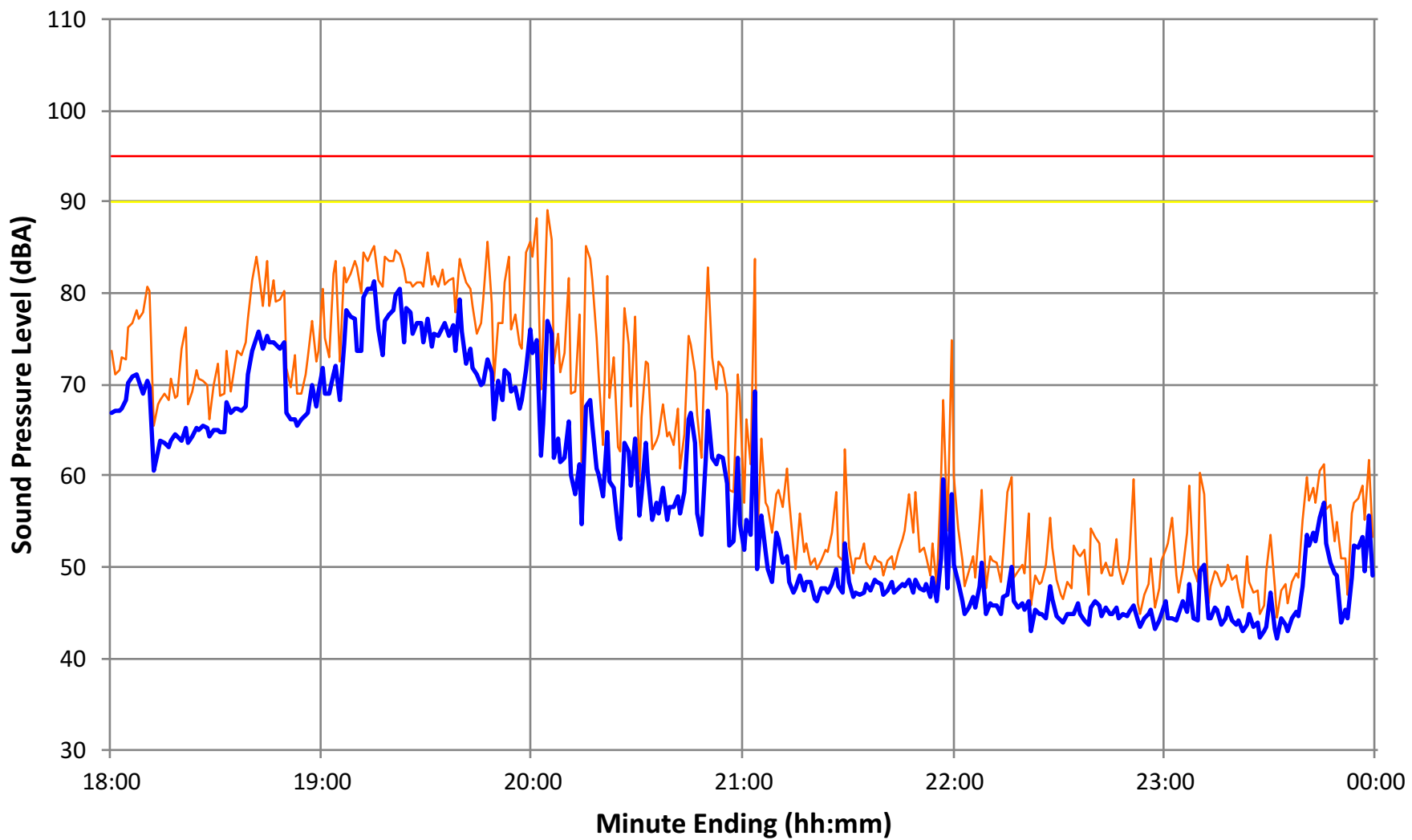
— Yellow Light    — Red Light    — Maximum 1-sec Leq    — 1-minute Leq

**Julien Baker**  
**08-01-2018**



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

# Seussical 08-02-2018

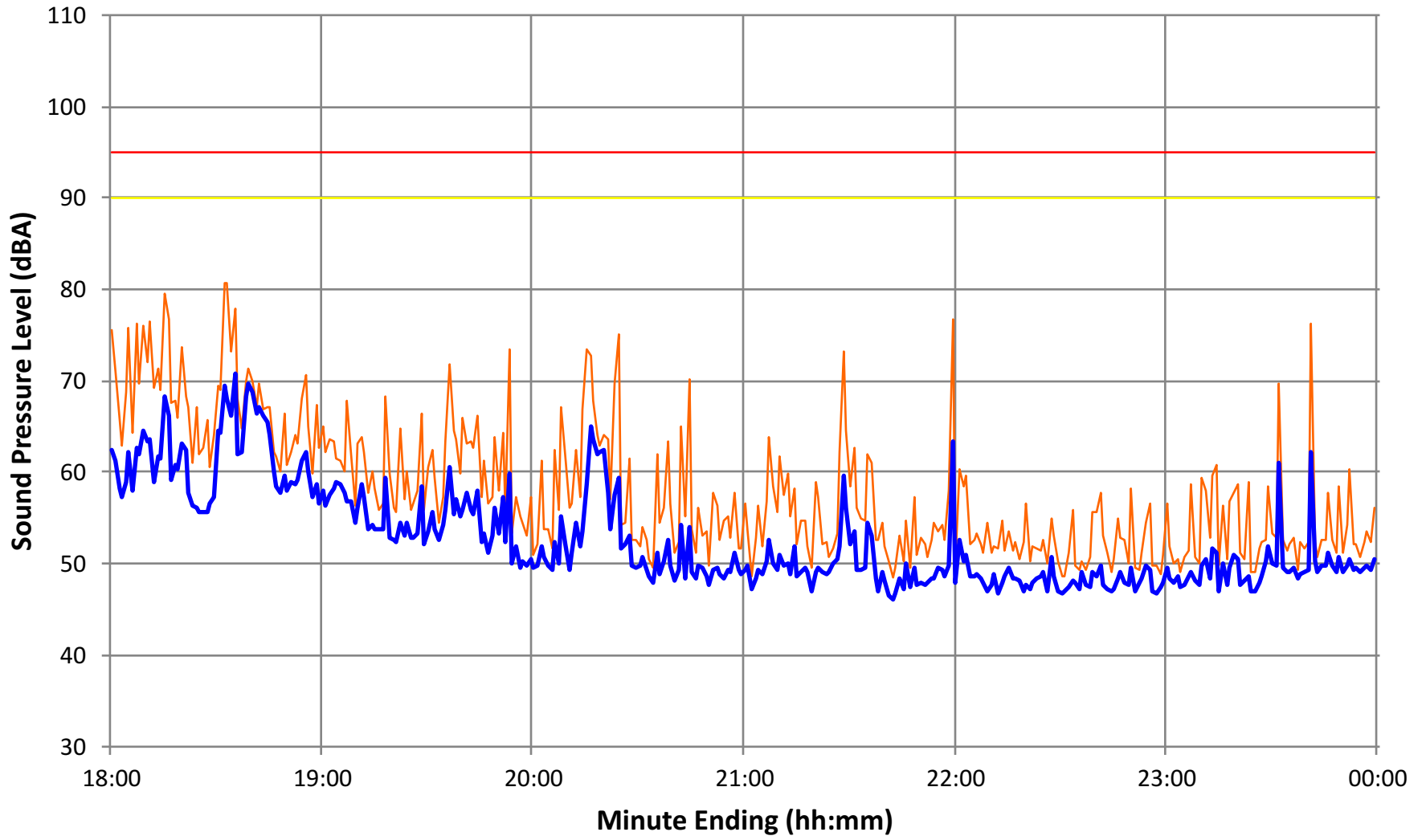


— Yellow Light — Red Light — Maximum 1-sec Leq — 1-minute Leq



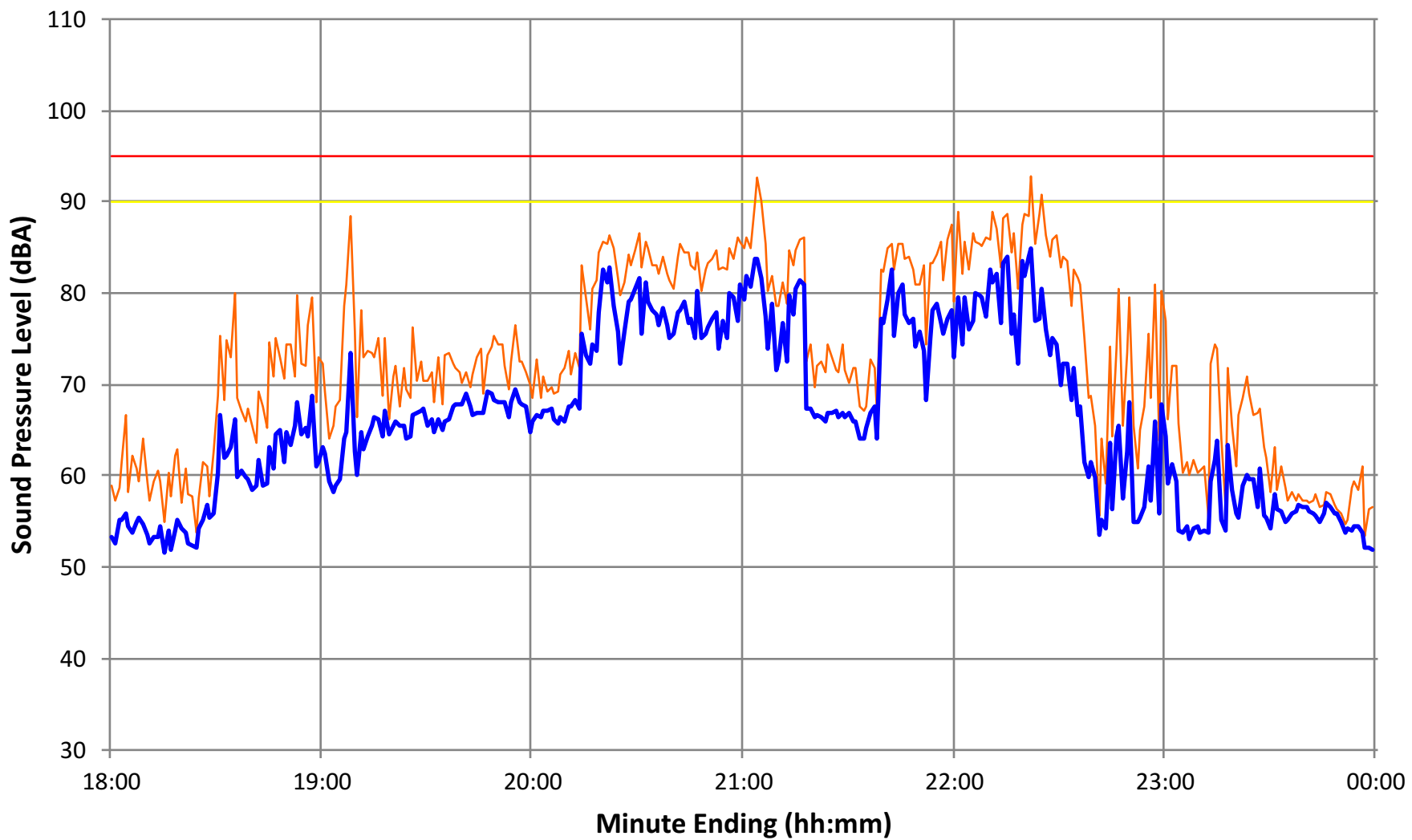
# No Event (Weather)

08-03-2018



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

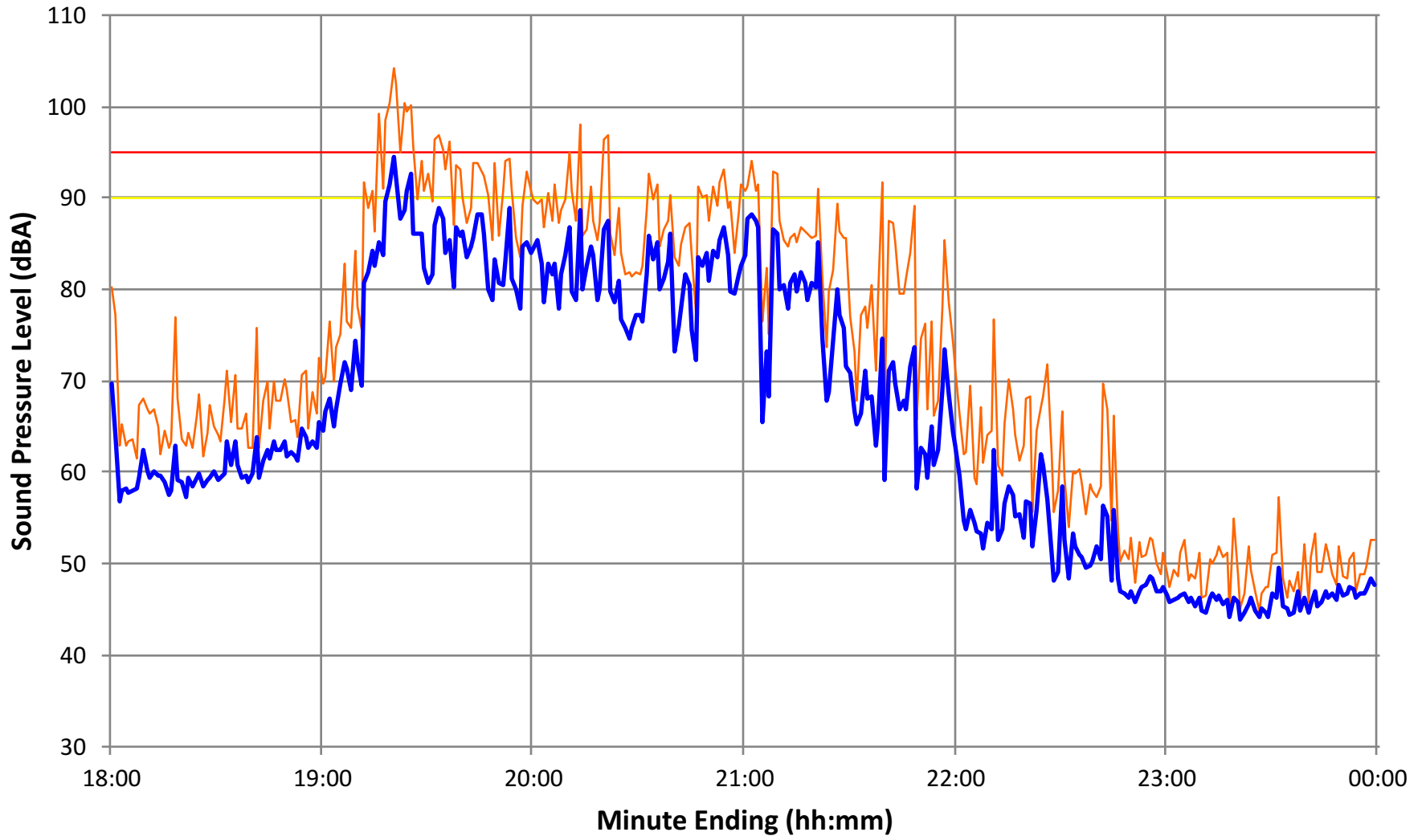
# Seussical 08-04-2018



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

Pat Metheny

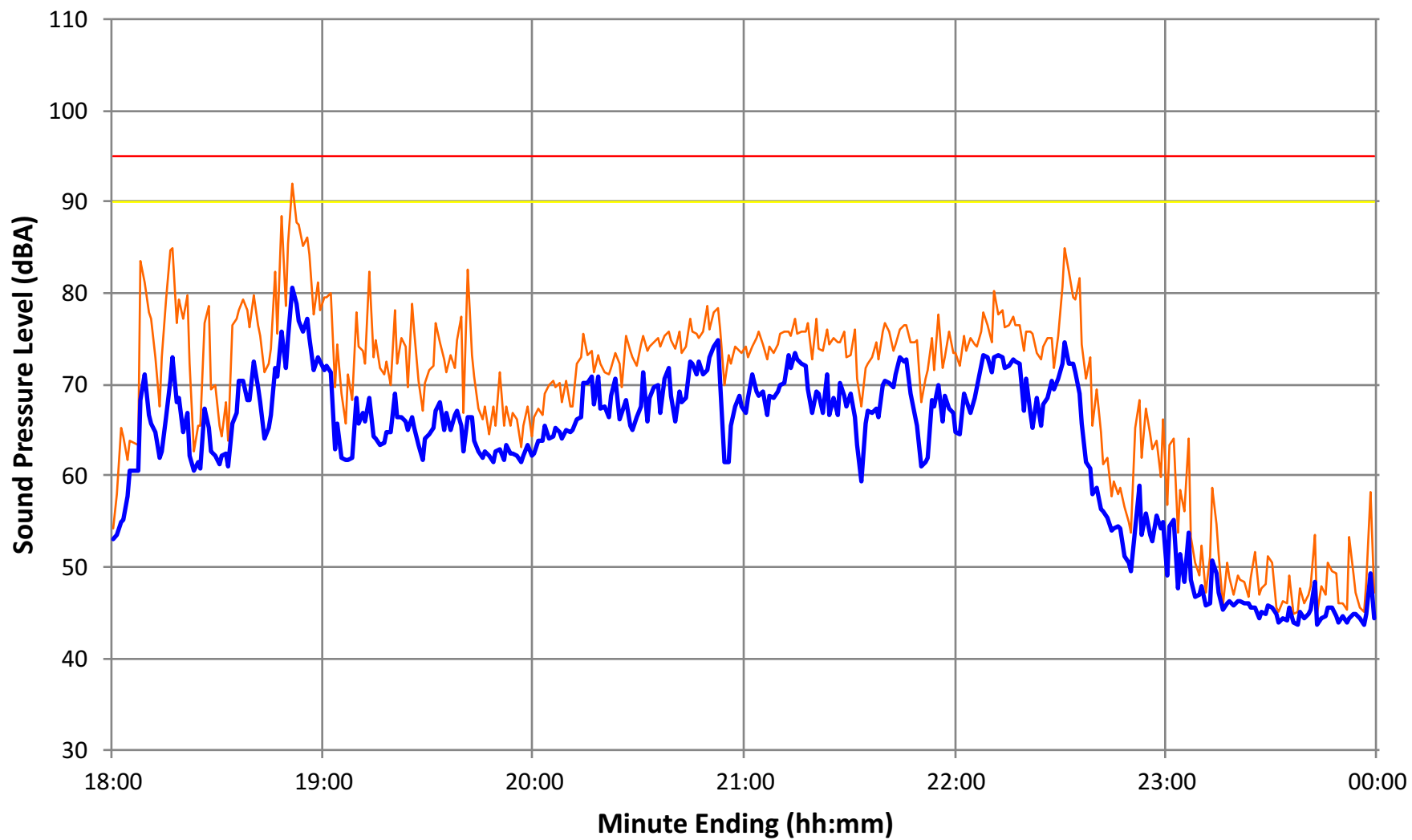
08-05-2018



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

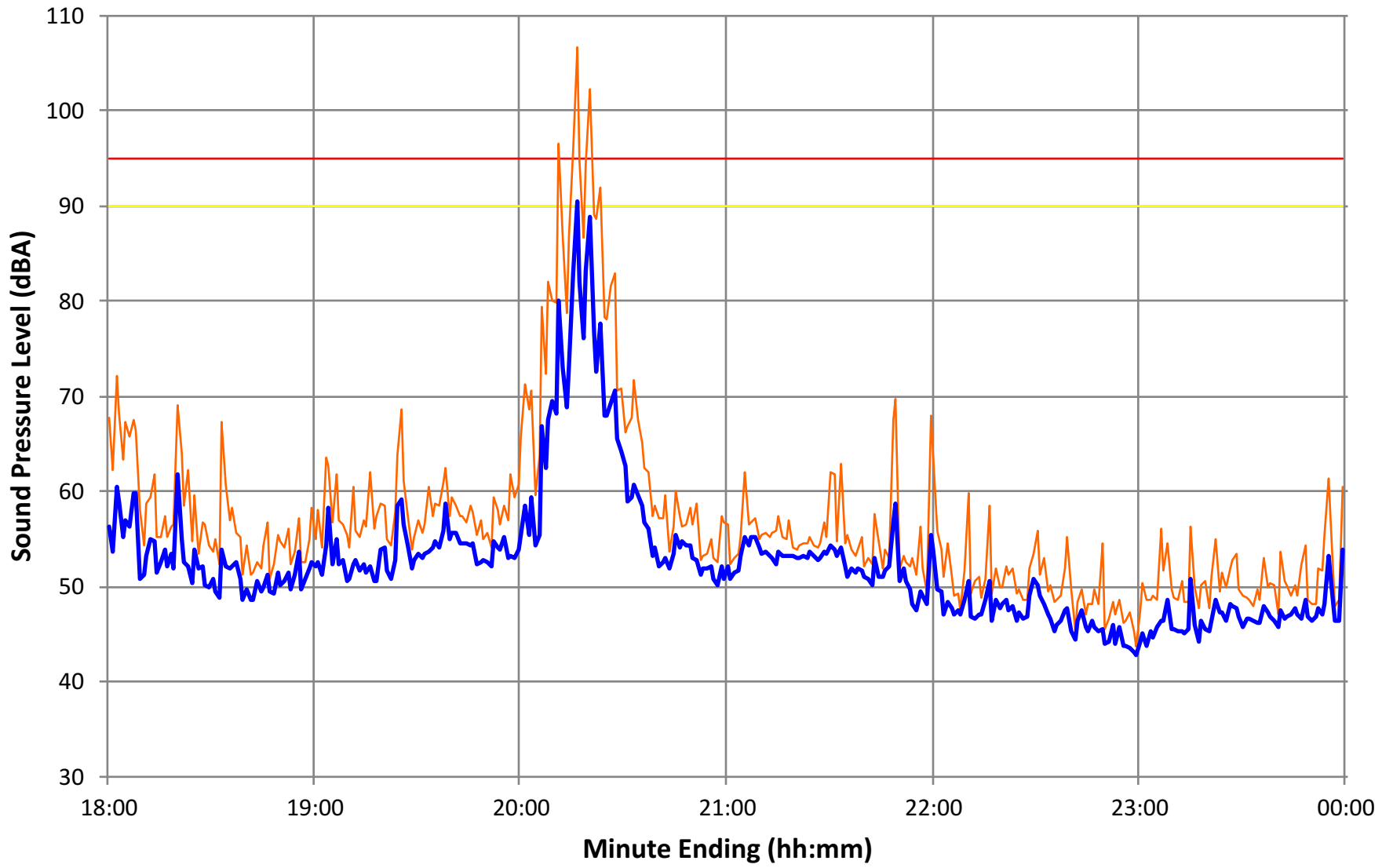
# Movie (Black Panther)

08-06-2018



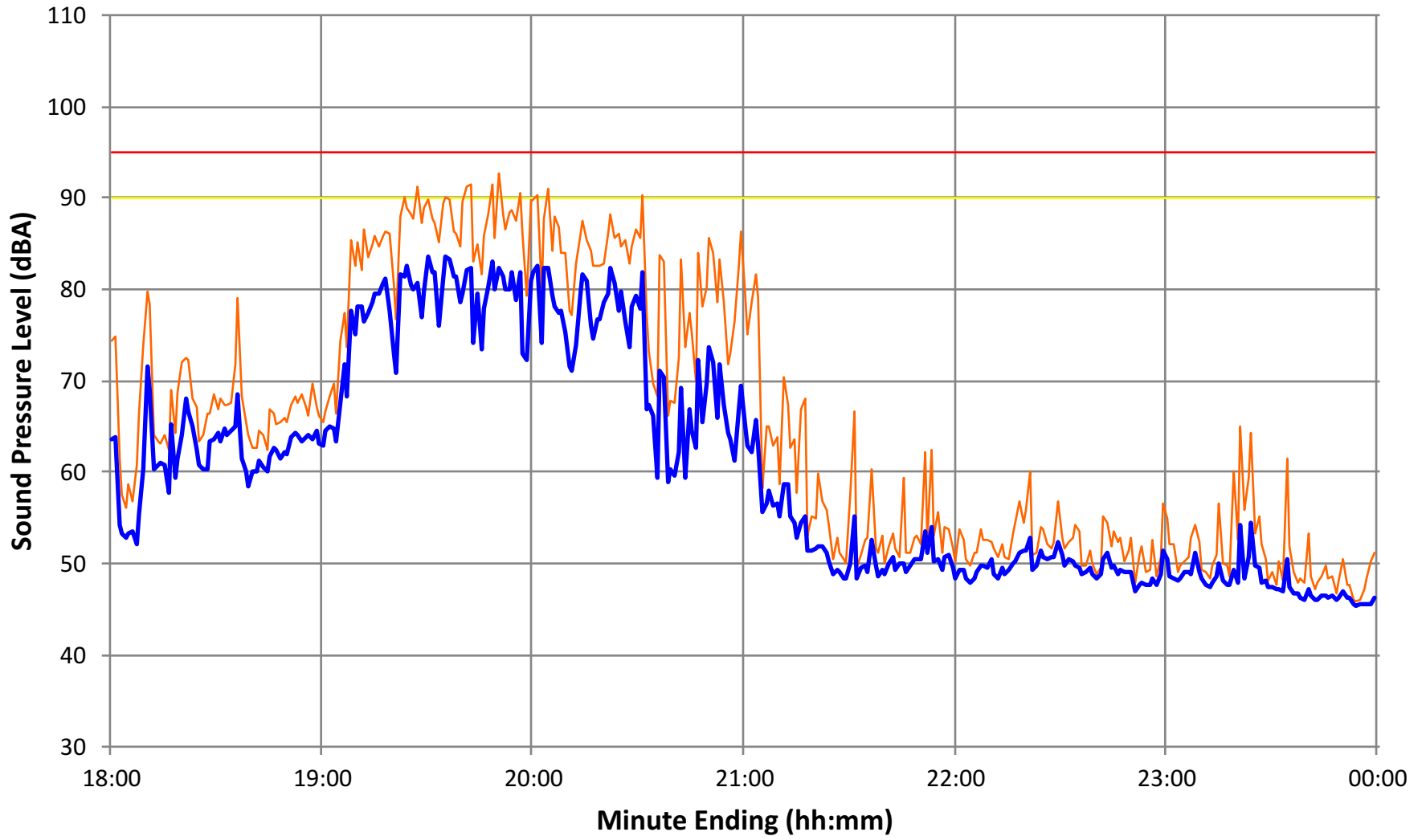
Yellow Light Red Light Maximum 1-sec Leq 1-minute Leq

# No Event



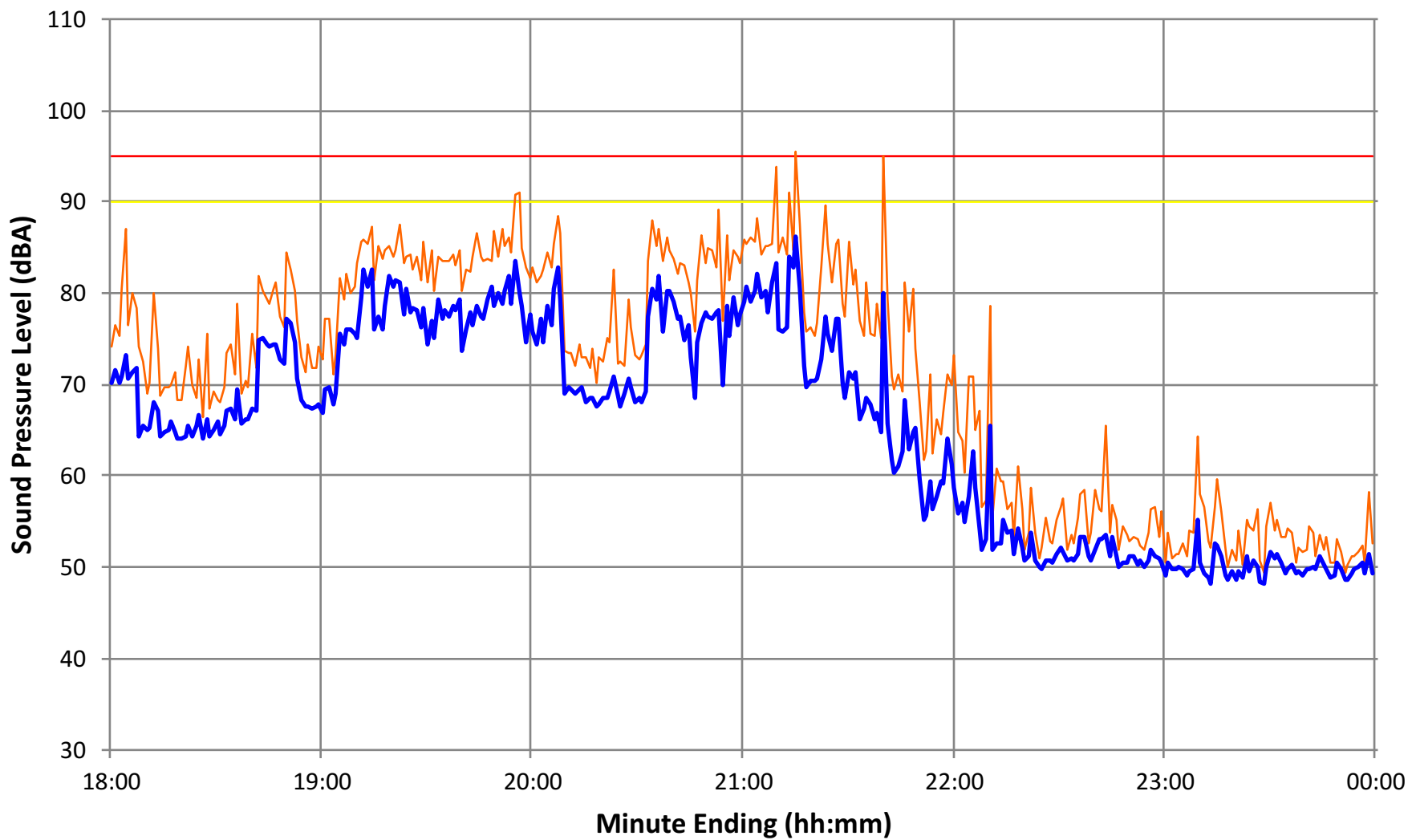
— Yellow Light    — Red Light    — Maximum 1-sec Leq    — 1-minute Leq

**Hayes Carll**  
**08-08-2018**



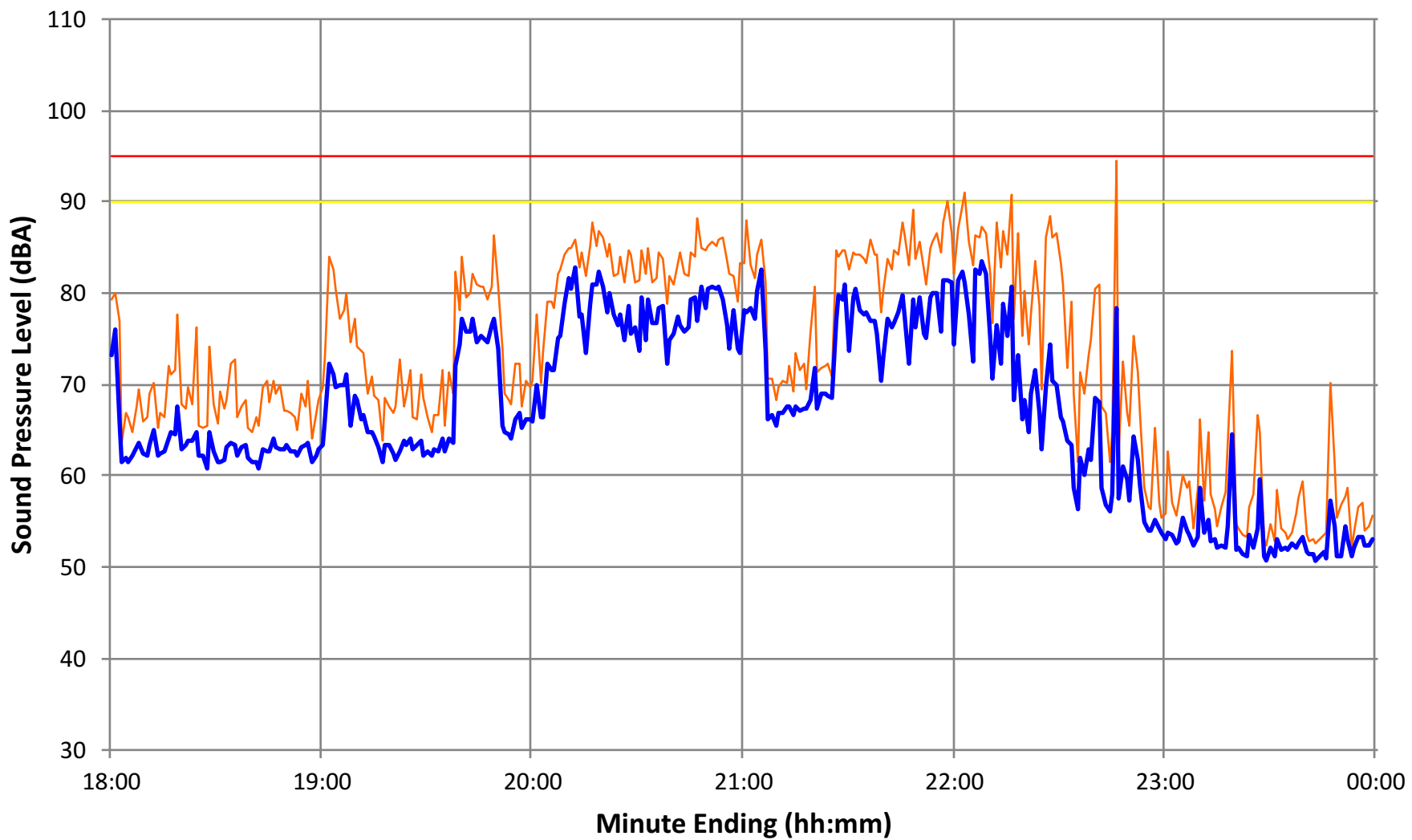
— Yellow Light    — Red Light    — Maximum 1-sec Leq    — 1-minute Leq

# Seussical 08-09-2018



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

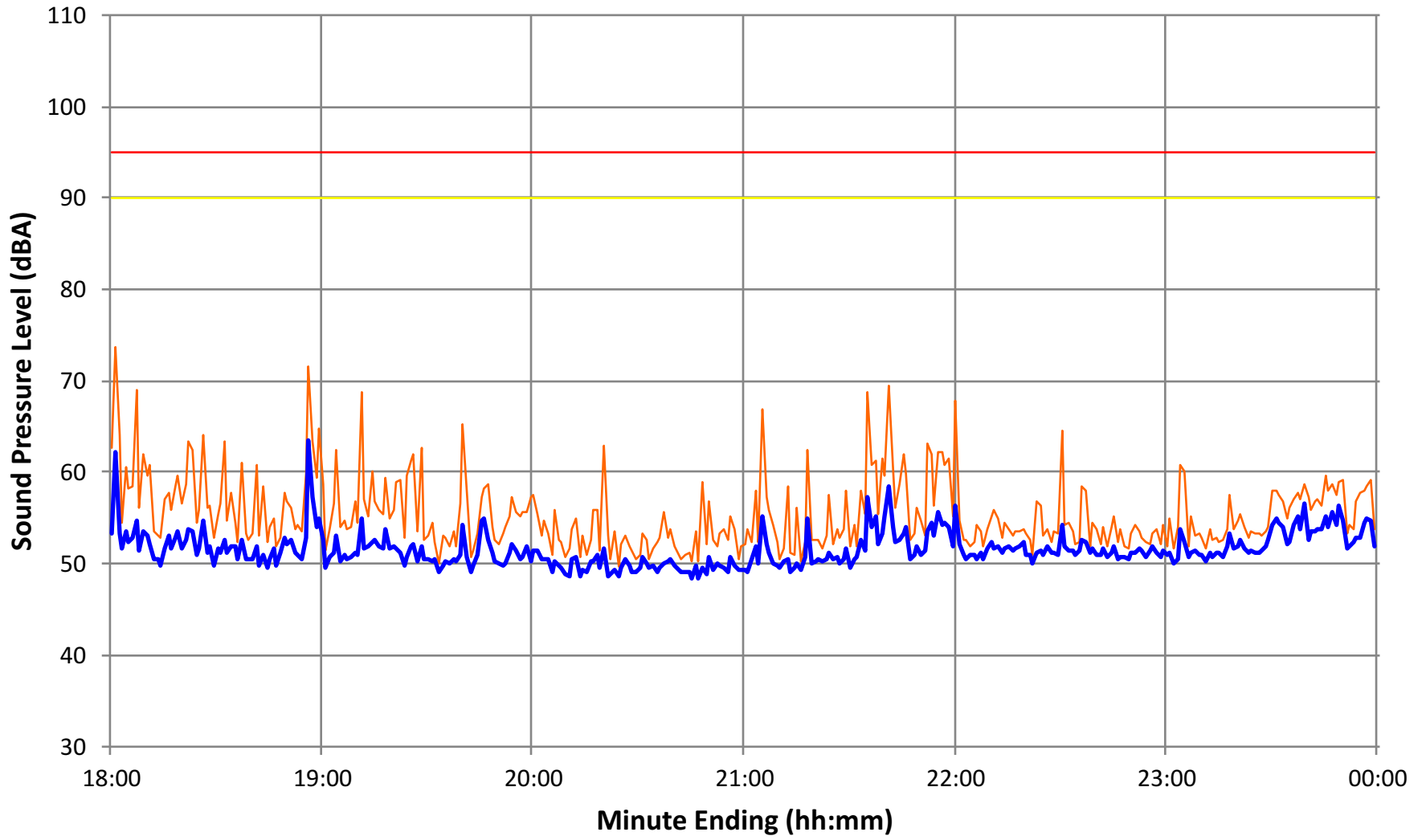
# Seussical 08-10-2018



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



# No Event (Weather) 08-11-2018



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