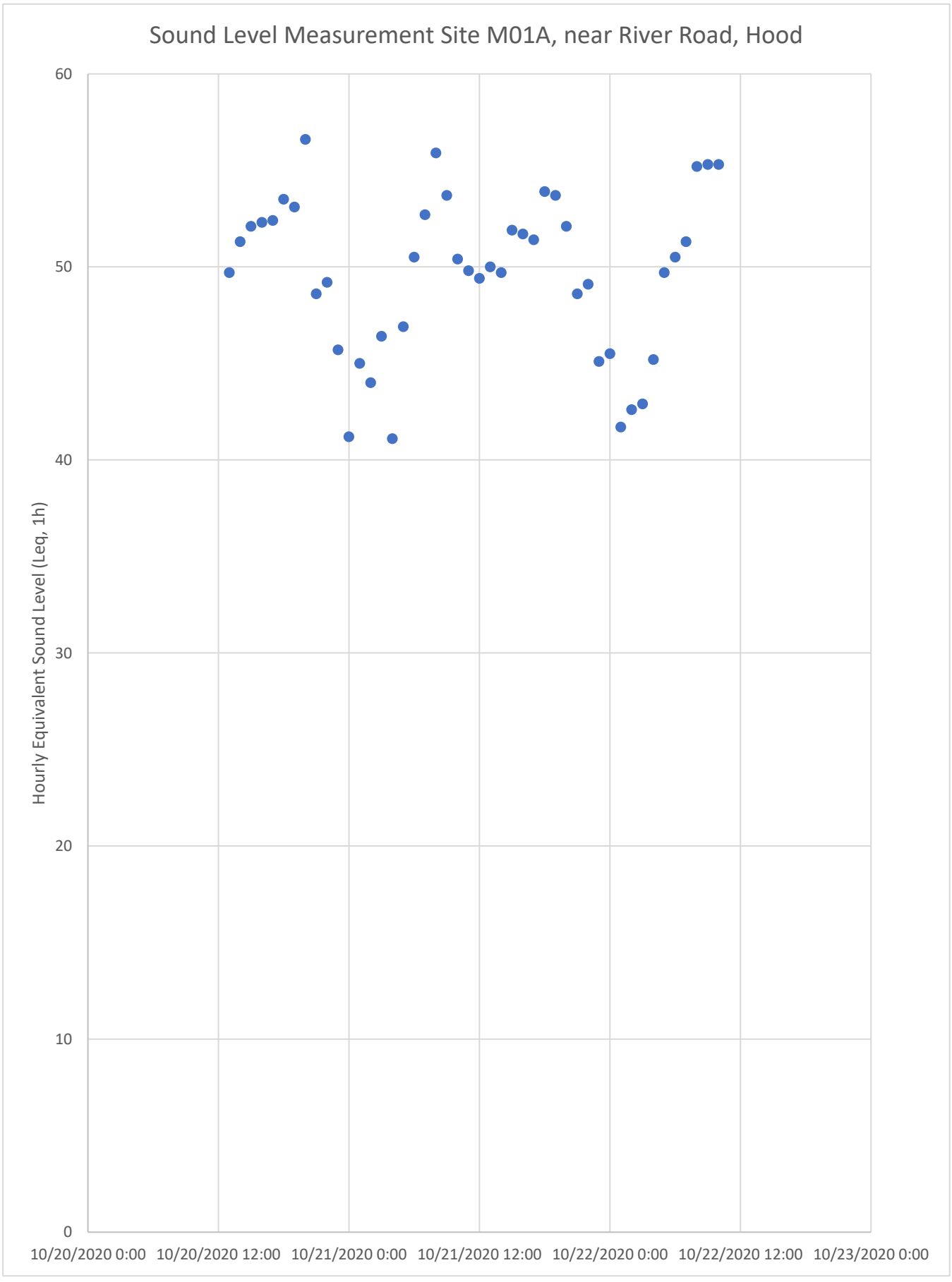
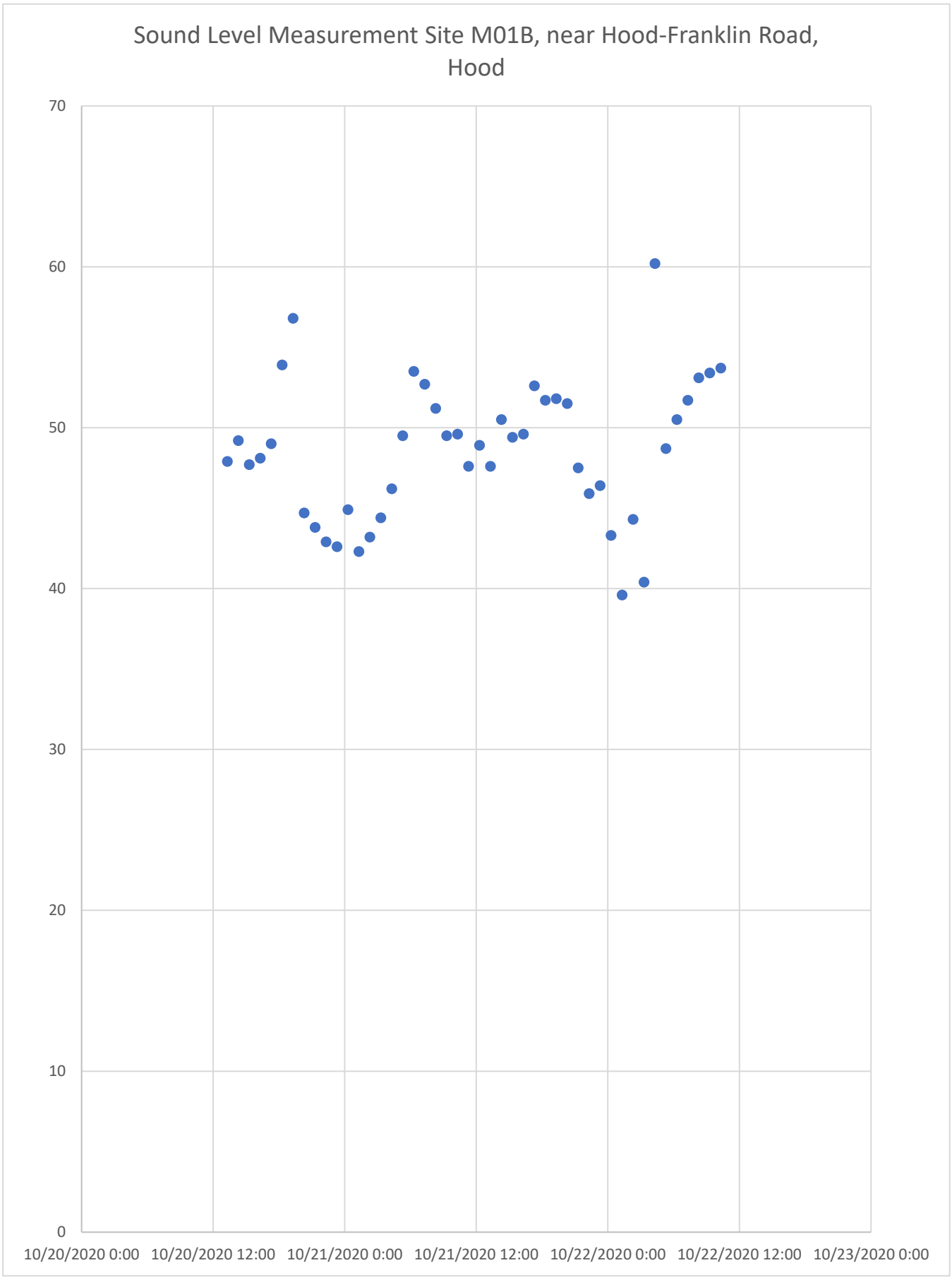
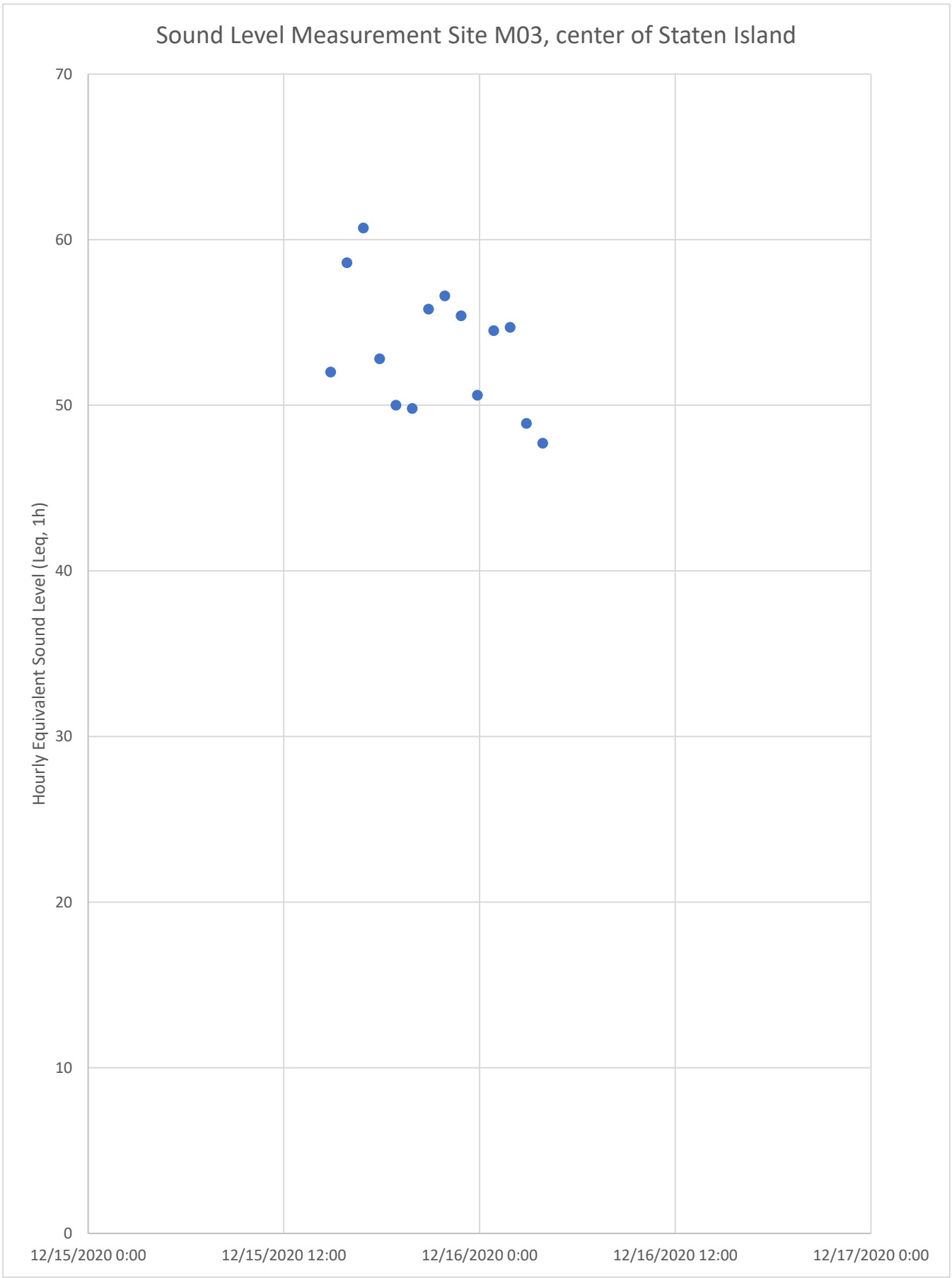
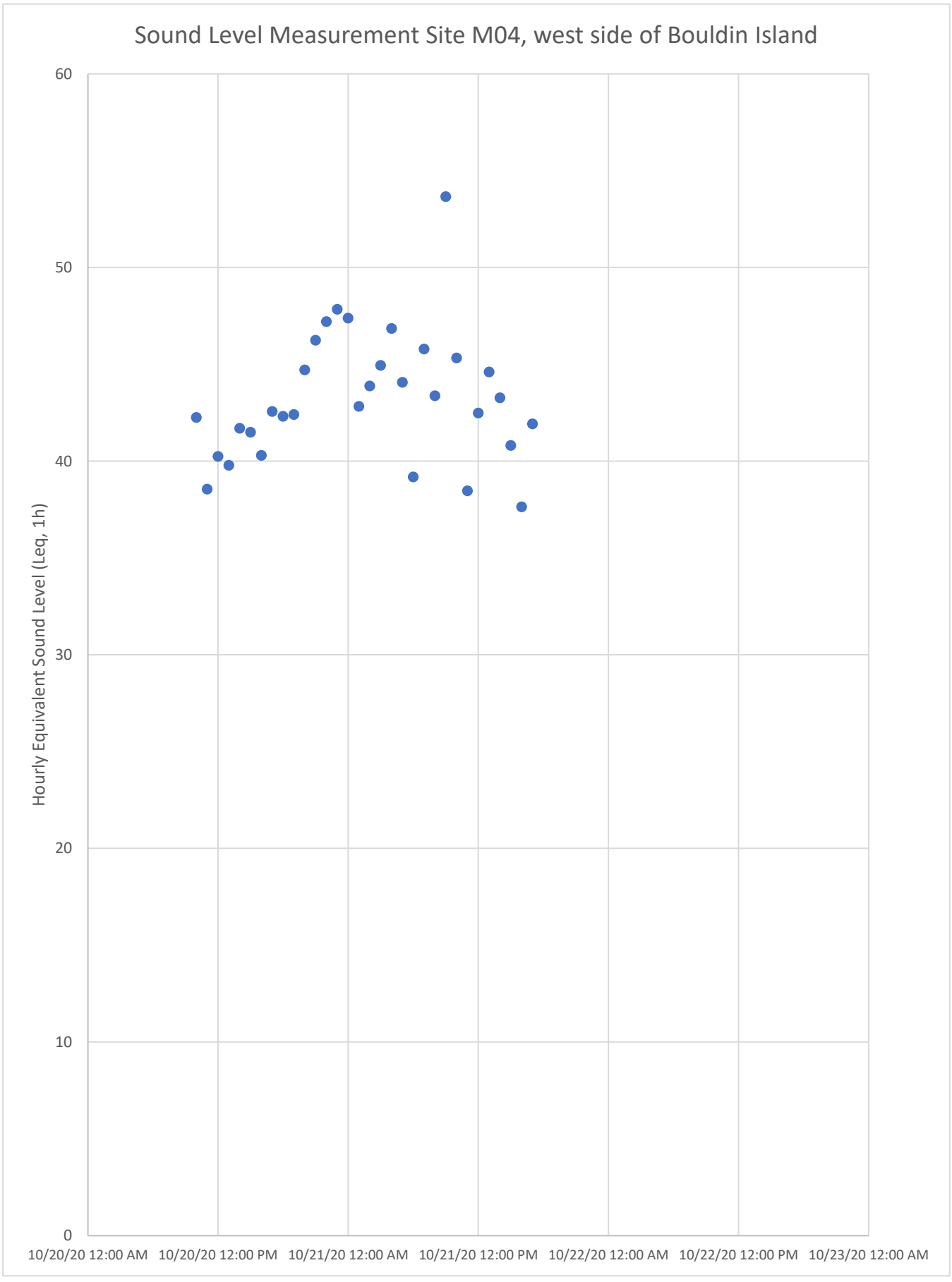
Appendix 24C
Ambient Sound Level Charts from Field Measurement

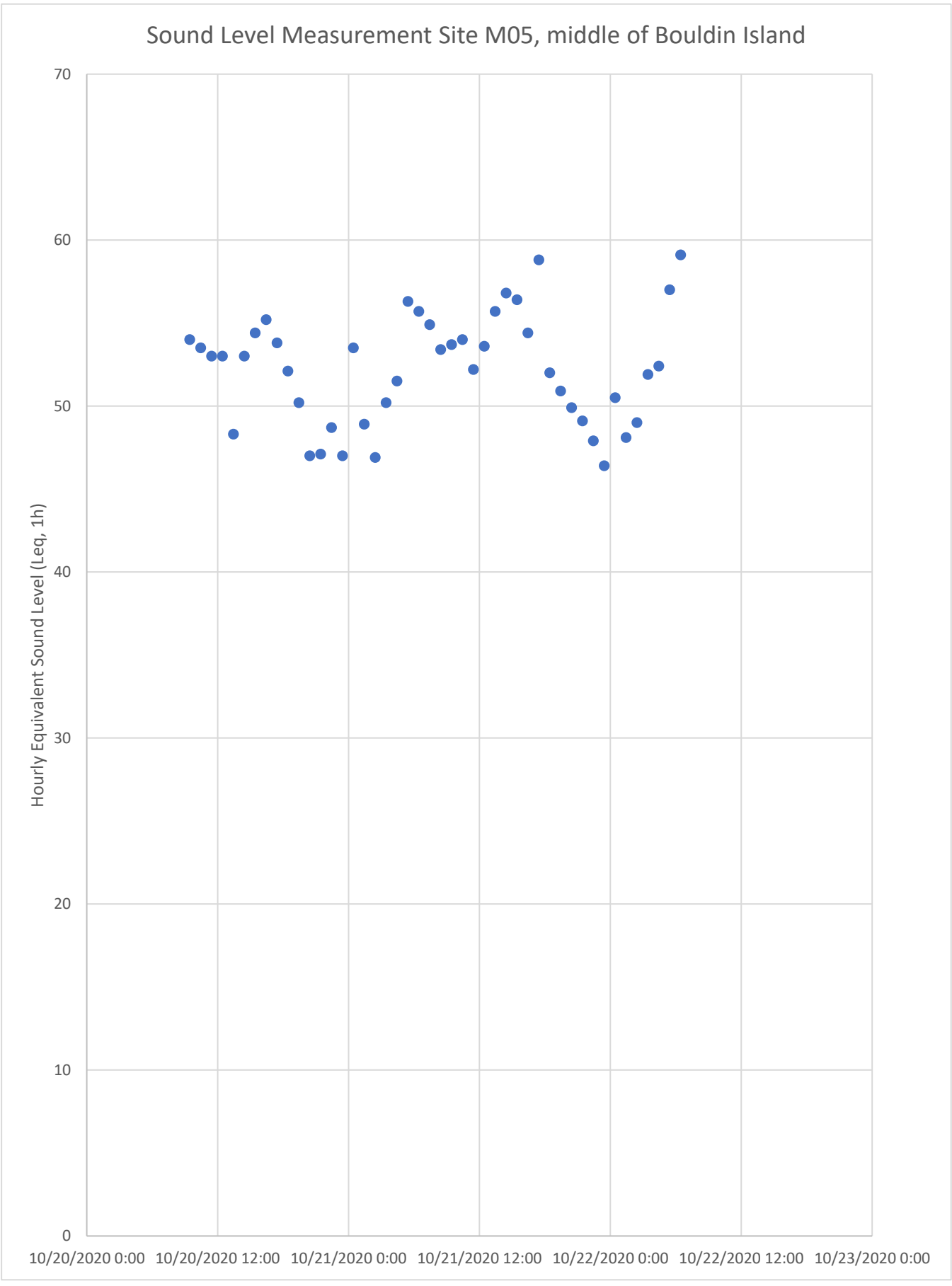
This appendix presents the detailed charts of 1-hour L_{eq} sound levels collected at each field measurement site, which were summarized for readability in Tables 24-2 through 24-4 in Chapter 24, *Noise and Vibration.* The sound levels were recorded continuously for at least 24 hours using unattended sound level meters. Due to the length and complexity of this information, and in an effort to maintain the readability of Chapter 24, this information is presented in an appendix.

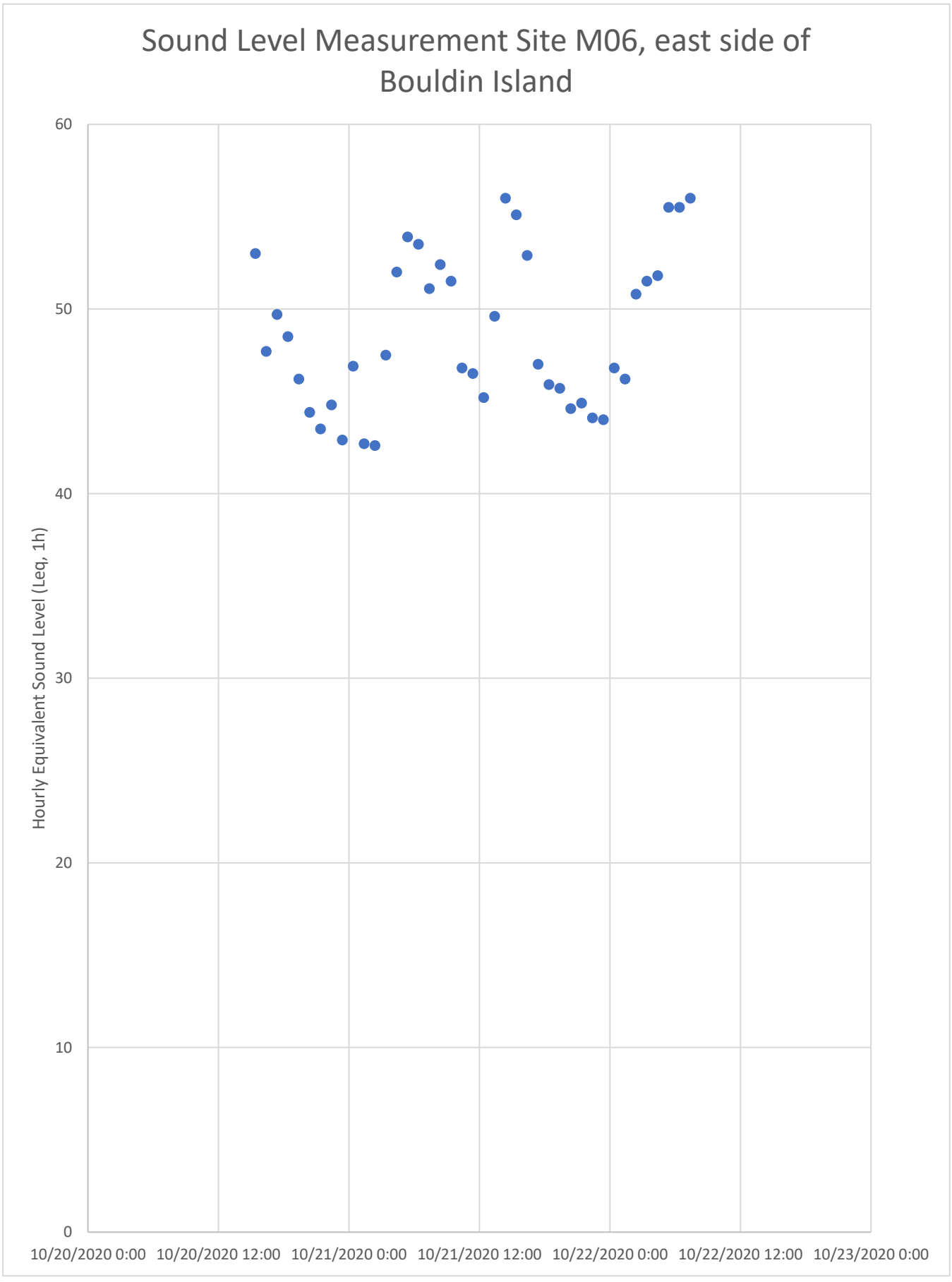

Sound Level Measurement Site M01A, near River Road, Hood
Hourly Equivalent Sound Level (Leq, 1h)
60
50
40
30
20
10
0
10/20/2020 0:00
10/20/2020 12:00
10/21/2020 0:00
10/21/2020 12:00
10/22/2020 0:00
10/22/2020 12:00
10/23/2020 0:00

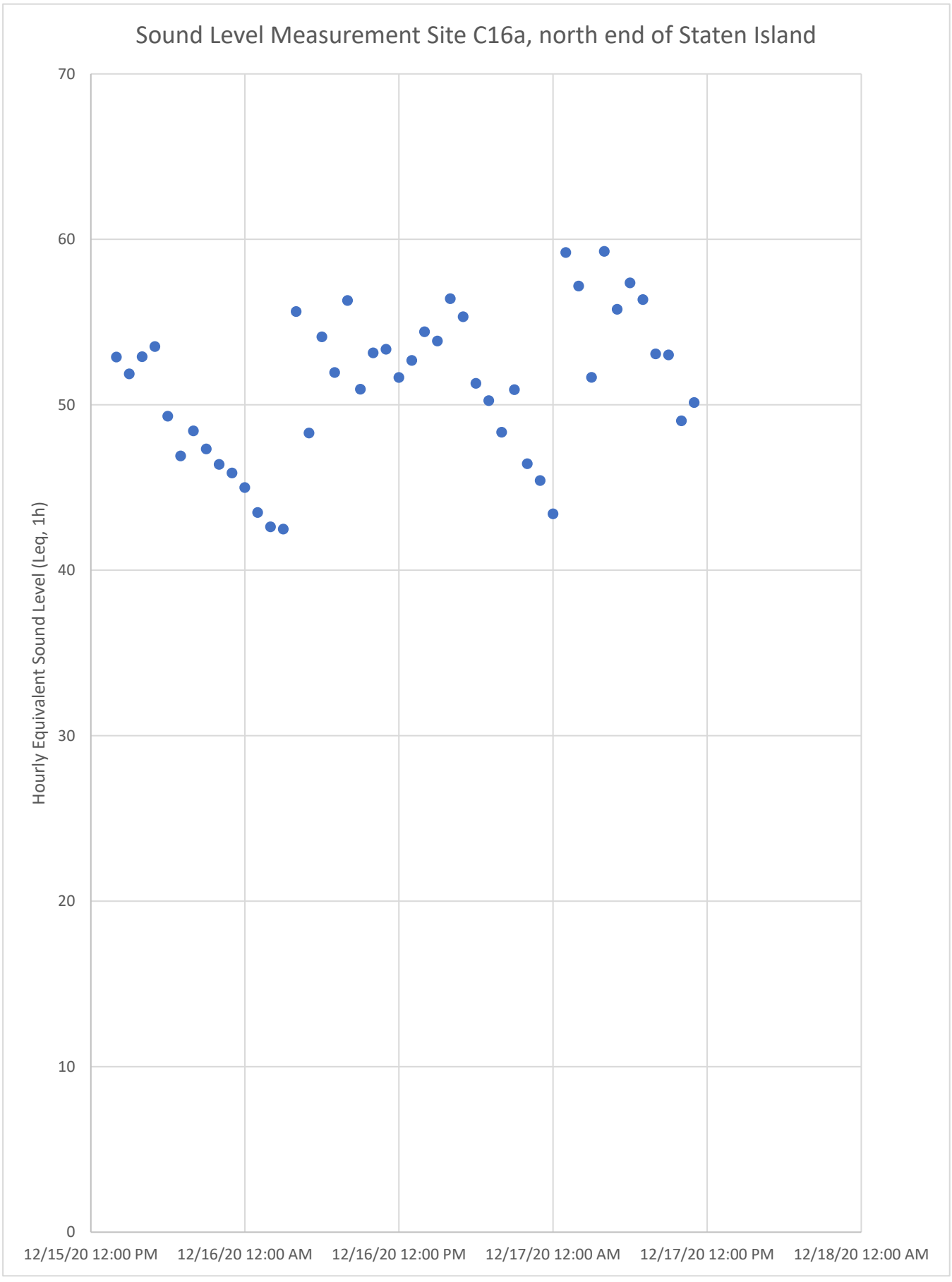

Sound Level Measurement Site M01B, near Hood-Franklin Road, Hood
70
60
50
40
30
20
10
0
10/20/2020 0:00
10/20/2020 12:00
10/21/2020 0:00
10/21/2020 12:00
10/22/2020 0:00
10/22/2020 12:00
10/23/2020 0:00

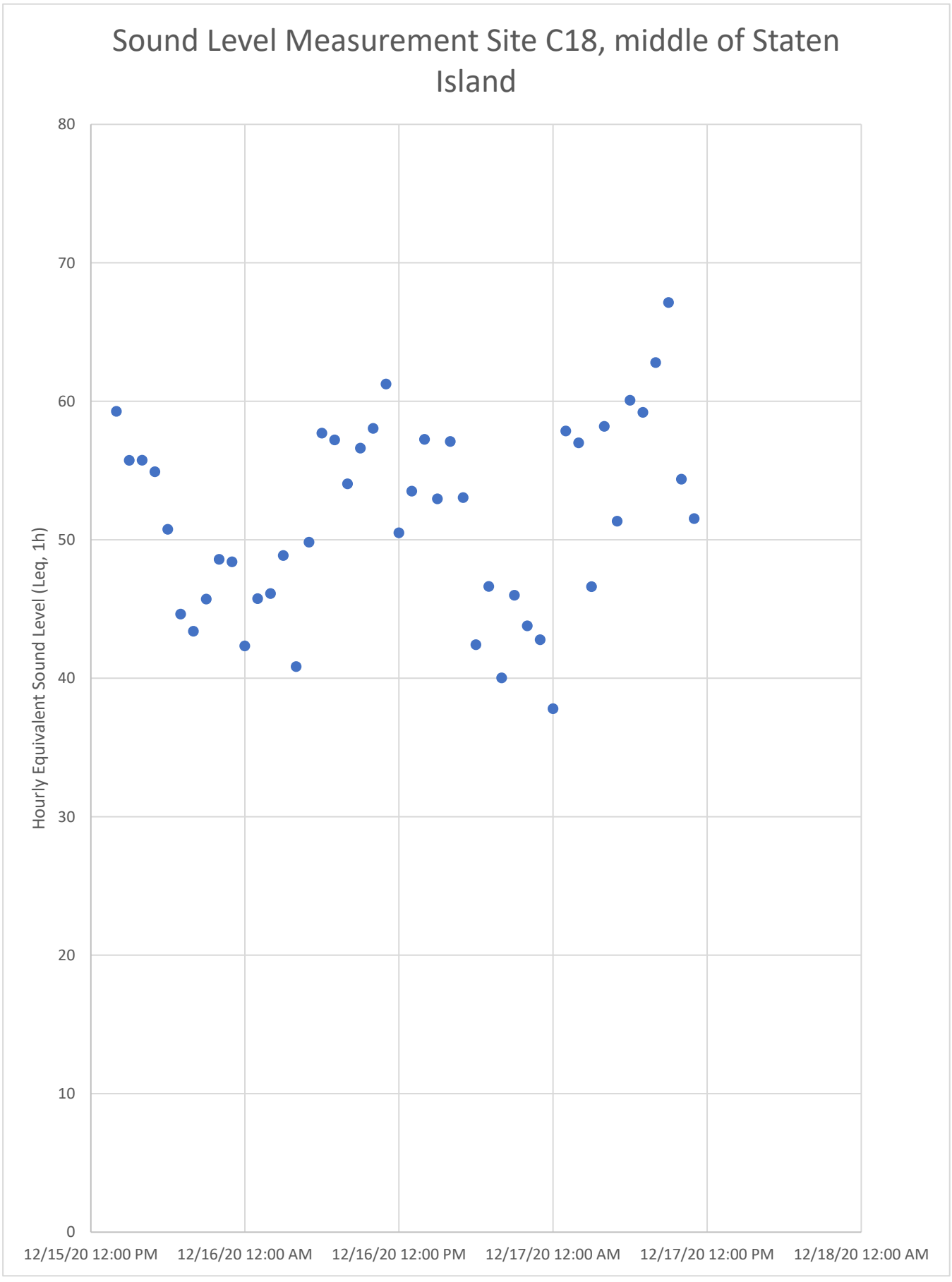

Sound Level Measurement Site M03, center of Staten Island
Hourly Equivalent Sound Level (Leq, 1h)
70
60
50
40
30
20
10
0
12/15/2020 0:00
12/15/2020 12:00
12/16/2020 0:00
12/16/2020 12:00
12/17/2020 0:00

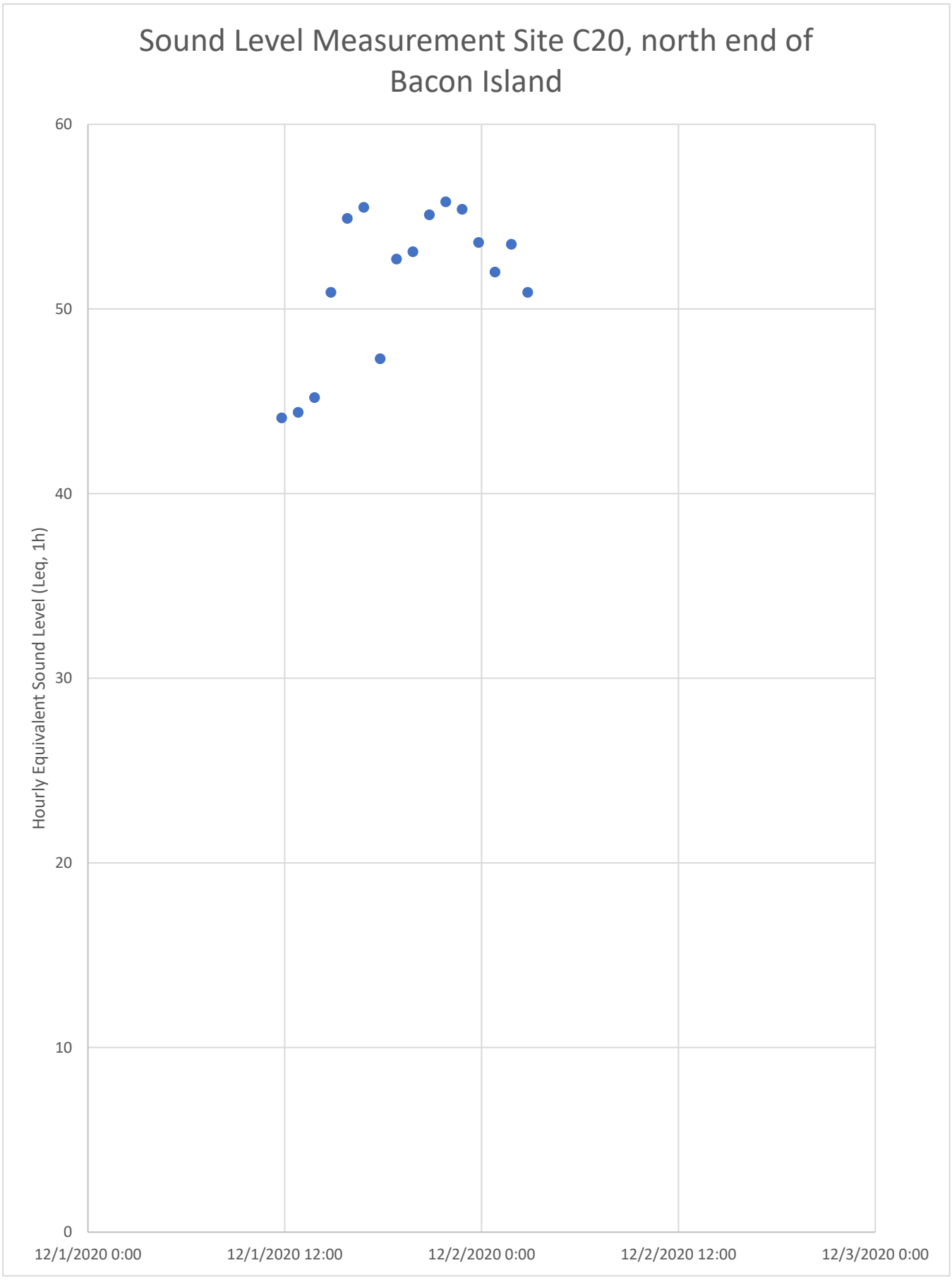

Sound Level Measurement Site M04, west side of Bouldin Island
Hourly Equivalent Sound Level (Leq, 1h)
60
50
40
30
20
10
0
10/20/20 12:00 AM
10/20/20 12:00 PM
10/21/20 12:00 AM
10/21/20 12:00 PM
10/22/20 12:00 AM
10/22/20 12:00 PM
10/23/20 12:00 AM

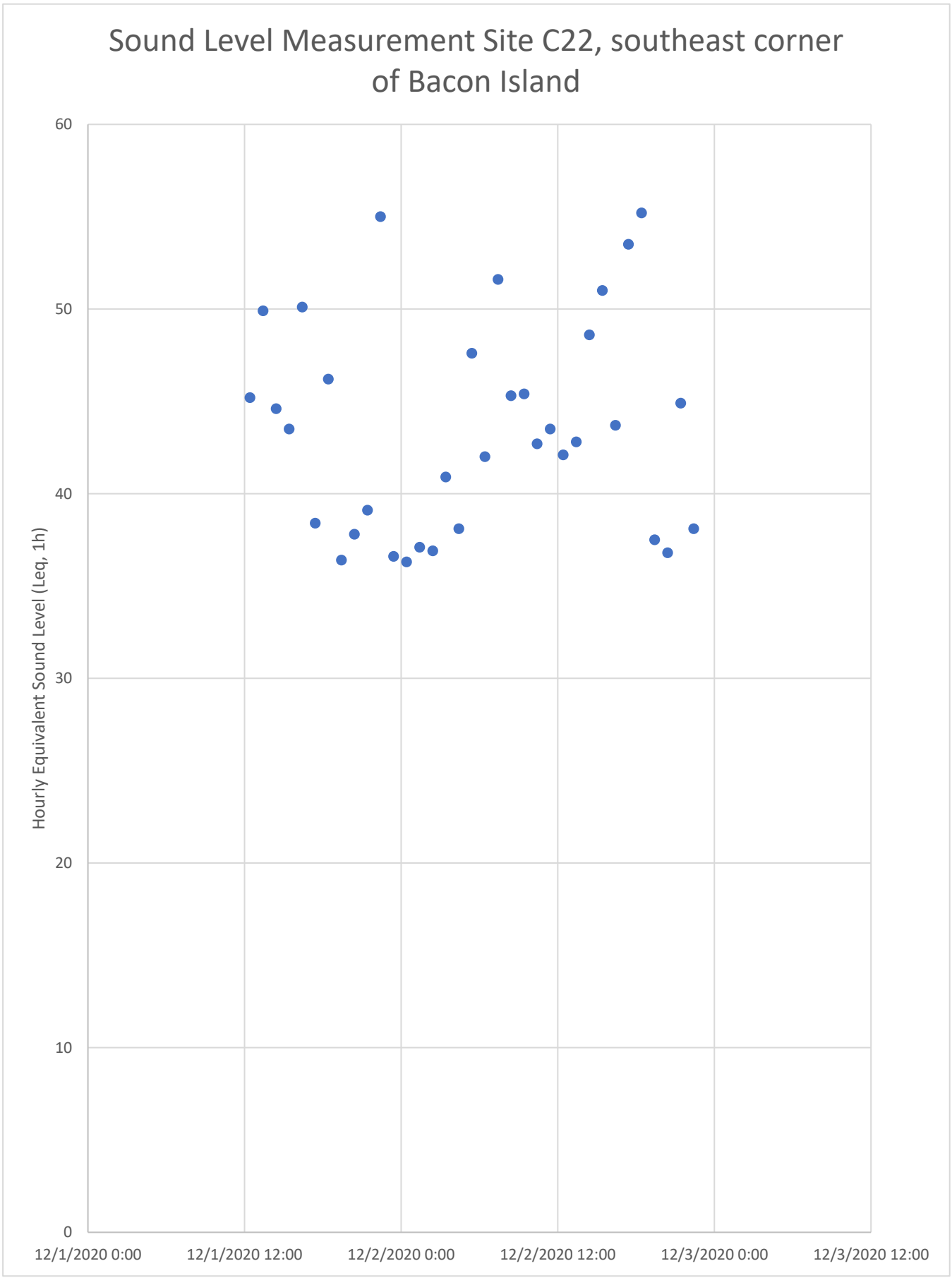

Sound Level Measurement Site M05, middle of Bouldin Island
Hourly Equivalent Sound Level (Leq, 1h)
70
60
50
40
30
20
10
0
10/20/2020 0:00
10/20/2020 12:00
10/21/2020 0:00
10/21/2020 12:00
10/22/2020 0:00
10/22/2020 12:00
10/23/2020 0:00

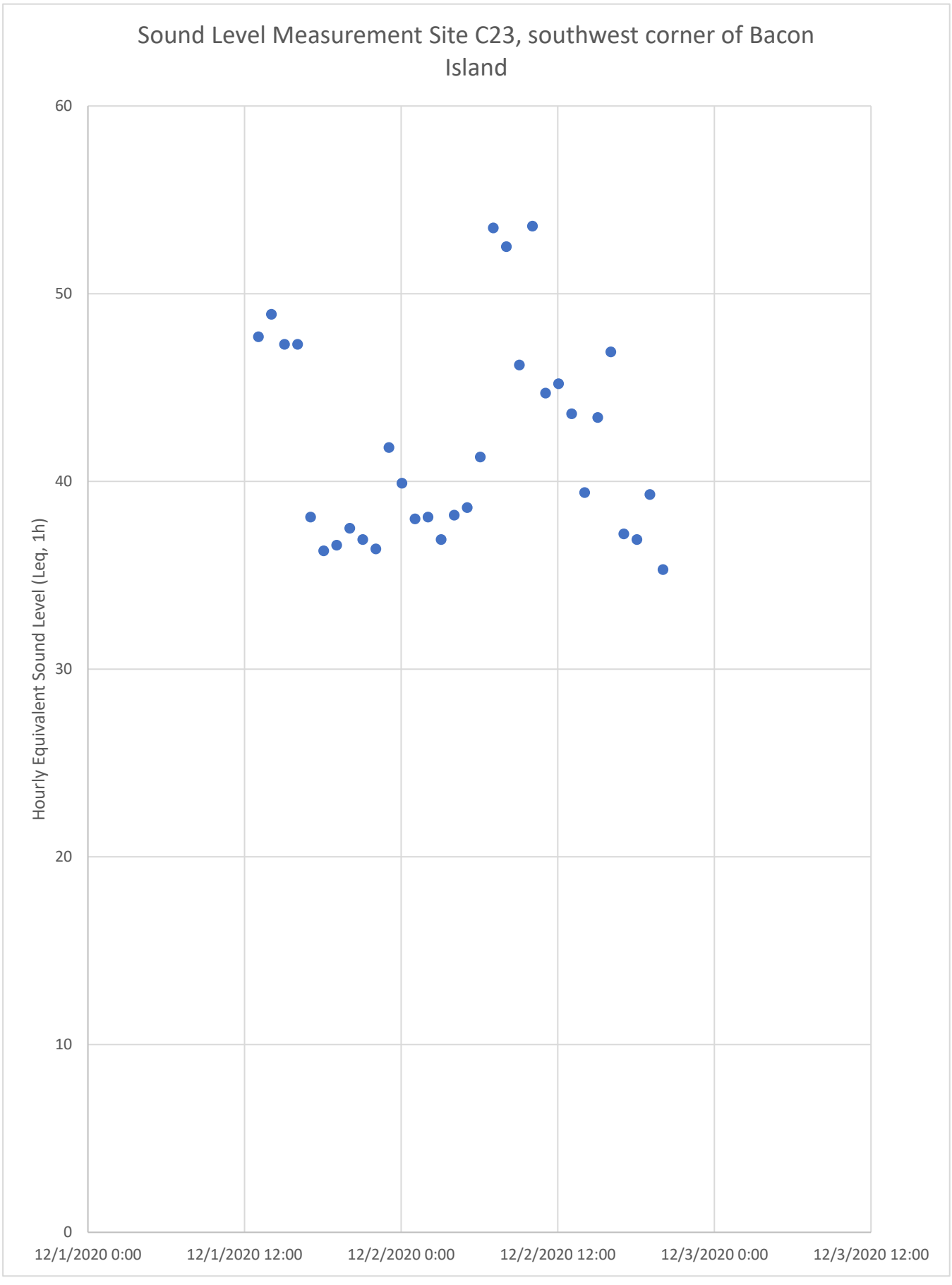

Sound Level Measurement Site M06, east side of Bouldin Island
Hourly Equivalent Sound Level (Leq, 1h)
60
50
40
30
20
10
0
10/20/2020 0:00
10/20/2020 12:00
10/21/2020 0:00
10/21/2020 12:00
10/22/2020 0:00
10/22/2020 12:00
10/23/2020 0:00

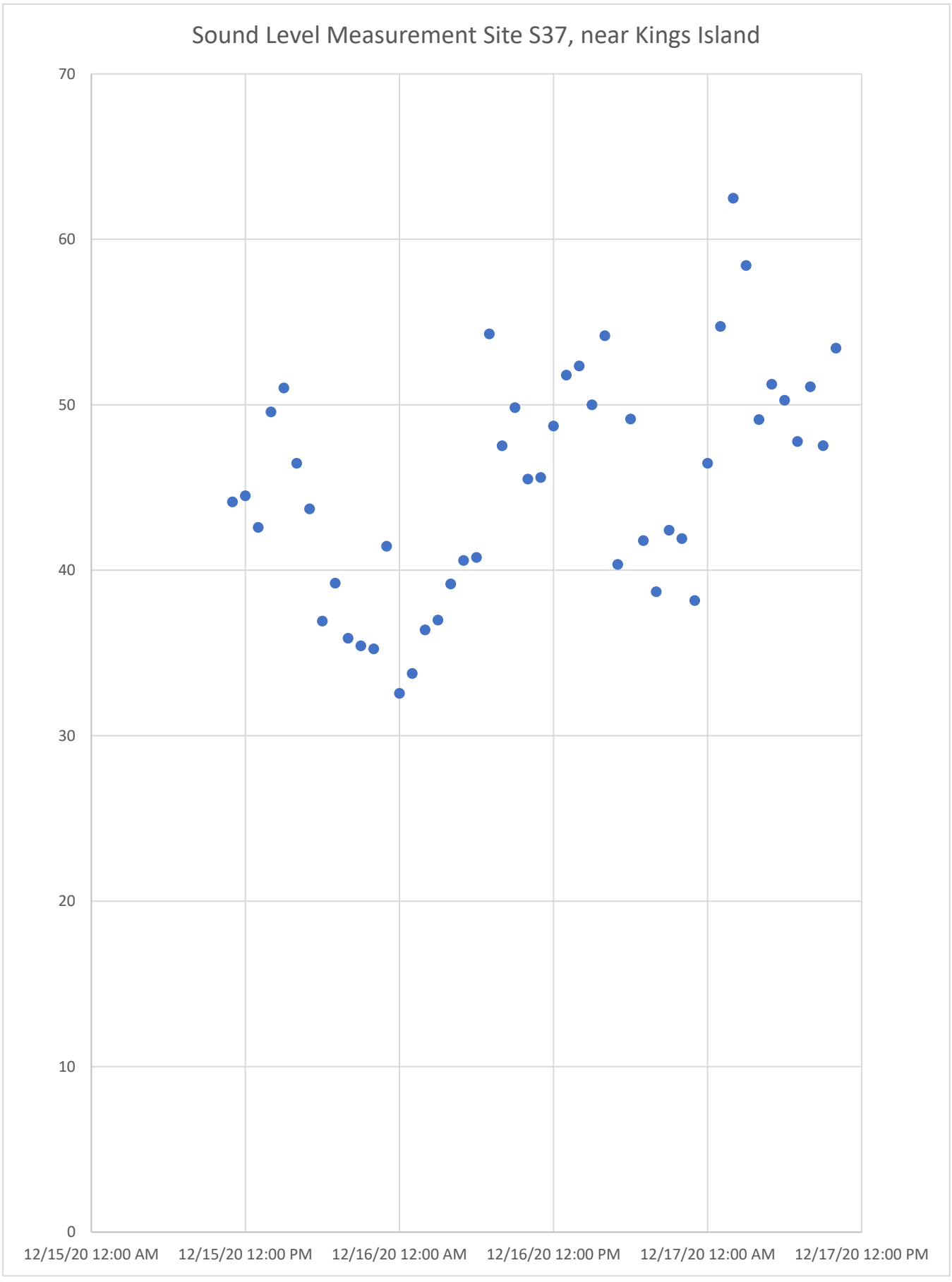

Sound Level Measurement Site C16a, north end of Staten Island
Hourly Equivalent Sound Level (Leq, 1h)
70
60
50
40
30
20
10
0
12/15/20 12:00 PM
12/16/20 12:00 AM
12/16/20 12:00 PM
12/17/20 12:00 AM
12/17/20 12:00 PM
12/18/20 12:00 AM

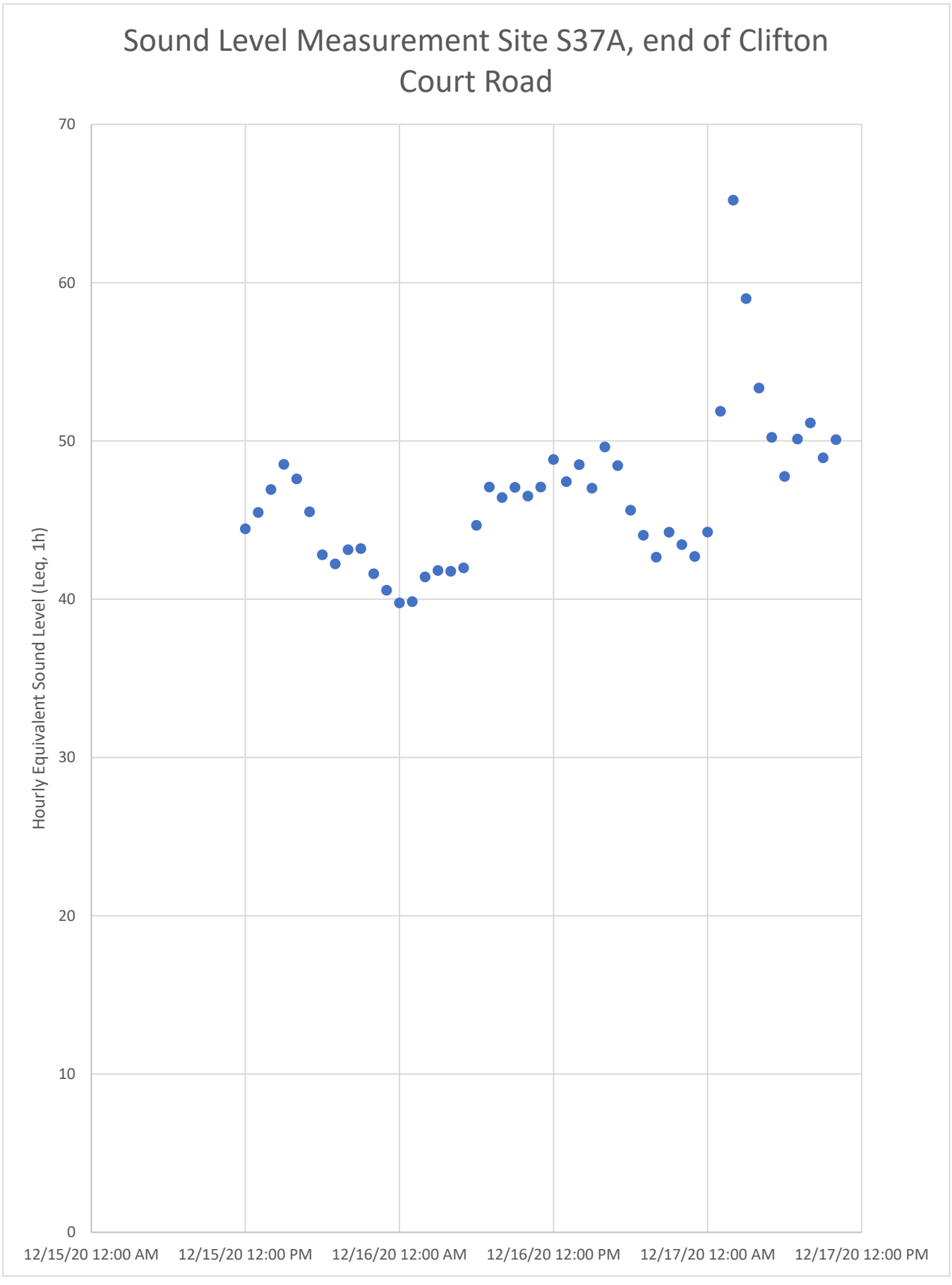

Sound Level Measurement Site C18, middle of Staten Island
Hourly Equivalent Sound Level (Leq, 1h)
80
70
60
50
40
30
20
10
0
12/15/20 12:00 PM
12/16/20 12:00 AM
12/16/20 12:00 PM
12/17/20 12:00 AM
12/17/20 12:00 PM
12/18/20 12:00 AM

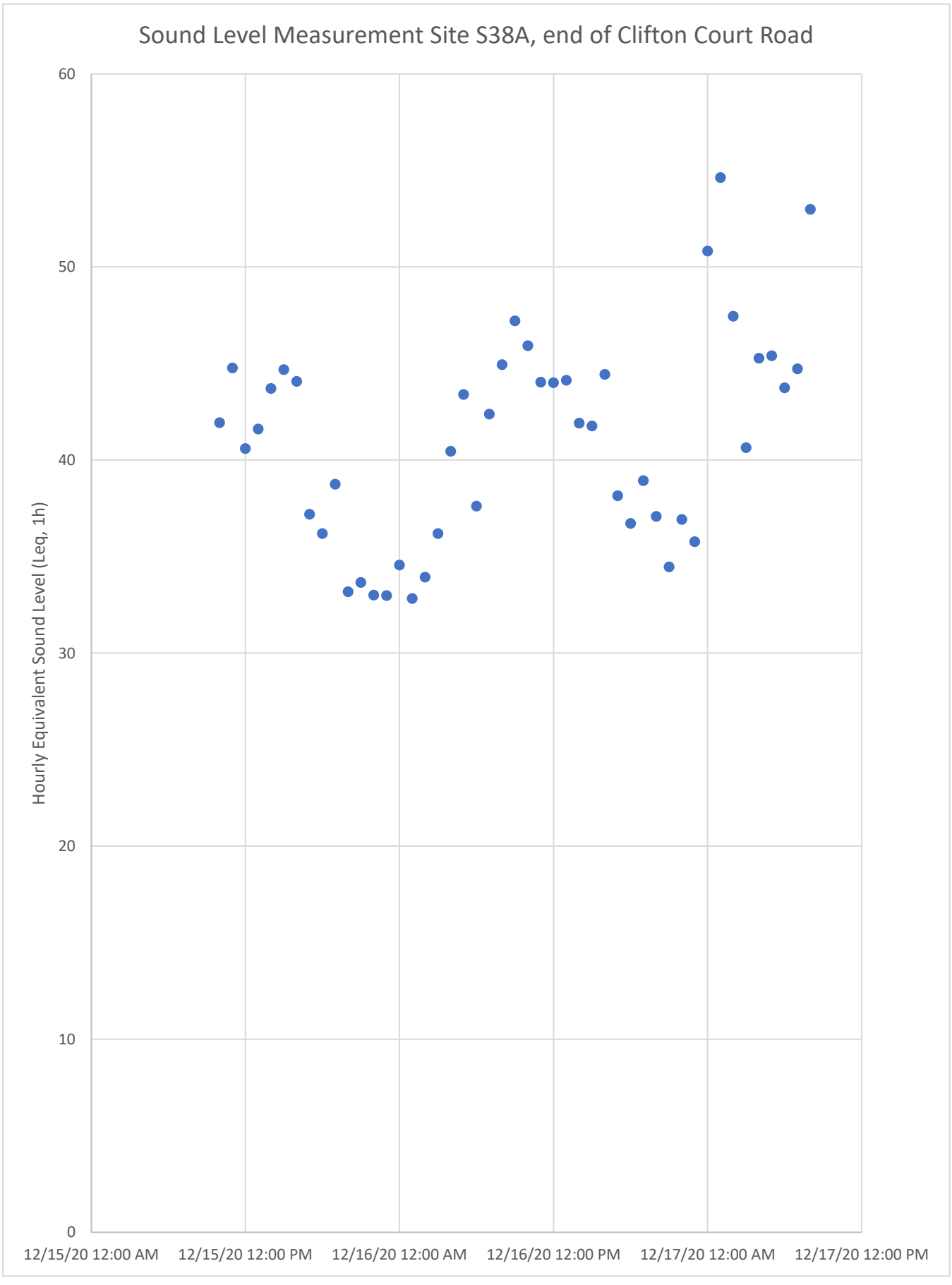

Sound Level Measurement Site C20, north end of Bacon Island
Hourly Equivalent Sound Level (Leq, 1h)
60
50
40
30
20
10
0
12/1/2020 0:00
12/1/2020 12:00
12/2/2020 0:00
12/2/2020 12:00
12/3/2020 0:00


Sound Level Measurement Site C22, southeast corner of Bacon Island
Hourly Equivalent Sound Level (Leq, 1h)
60
50
40
30
20
10
0
12/1/2020 0:00
12/1/2020 12:00
12/2/2020 0:00
12/2/2020 12:00
12/3/2020 0:00
12/3/2020 12:00


Sound Level Measurement Site C23, southwest corner of Bacon Island
Hourly Equivalent Sound Level (Leq, 1h)
60
50
40
30
20
10
0
12/1/2020 0:00
12/1/2020 12:00
12/2/2020 0:00
12/2/2020 12:00
12/3/2020 0:00
12/3/2020 12:00


Sound Level Measurement Site S37, near Kings Island
70
60
50
40
30
20
10
0
12/15/20 12:00 AM
12/15/20 12:00 PM
12/16/20 12:00 AM
12/16/20 12:00 PM
12/17/20 12:00 AM
12/17/20 12:00 PM


Sound Level Measurement Site S37A, end of Clifton Court Road
Hourly Equivalent Sound Level (Leq, 1h)
70
60
50
40
30
20
10
0
12/15/20 12:00 AM
12/15/20 12:00 PM
12/16/20 12:00 AM
12/16/20 12:00 PM
12/17/20 12:00 AM
12/17/20 12:00 PM


Sound Level Measurement Site S38A, end of Clifton Court Road
Hourly Equivalent Sound Level (Leq, 1h)
60
50
40
30
20
10
0
12/15/20 12:00 AM
12/15/20 12:00 PM
12/16/20 12:00 AM
12/16/20 12:00 PM
12/17/20 12:00 AM
12/17/20 12:00 PM