

MIGHTY HOOPLA/CROSS THE TRACKS

BROCKWELL PARK

POST CONCERT REPORT

VC-102886-PCR-0001

R00

JUNE 2019



VANGUARDIA
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DOCUMENT CONTROL

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VANGUARDIA LIMITED

HEAD OFFICE

21 Station Road West, Oxted
Surrey RH8 9EE

Tel +44 (0) 1883 718690
Fax +44 (0) 8700 516196

office@vanguardia.co.uk
vanguardia.co.uk

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1. INTRODUCTION

- 1.1. Vanguardia Ltd was appointed by London Borough of Lambeth (LBL) to provide one acoustic consultant appropriately qualified and experienced to monitor the offsite sound levels at the Mighty Hoopla/Cross the Tracks events held in Brockwell Park on 8th and 9th June reporting any exceedances of the premises licence criteria to the onsite event manager. Vanguardia were not controlling or managing the sound levels.
- 1.1. This document provides results of the noise monitoring undertaken.
- 1.2. An acoustic glossary is included in Appendix A.

2. SUMMARY OF CONCERT DATA AND CONDITIONS

Table 1 Event Information

Mighty Hoopla & Cross the Tracks	
Event Dates	Saturday 8 th June to Sunday 9 th June 2019
Start & Finish times	Saturday 8 th June 12:00 to 22:30 Sunday 9 th June 12:00 to 22:00
Noise Licence Conditions	<ul style="list-style-type: none">— Music Noise levels (MNL) shall not exceed:<ul style="list-style-type: none">○ 75dB LAeq (15 min)○ 90 dB LCeq (15 min) Measured within the boundary of Brockwell park and at receiver locations (1 metre from the façade)
Licensing Authority	The London Borough of Lambeth
Meteorological conditions	(Details in Appendix C)

- 2.1. Electric Star were the acoustic consultants managing the noise from the event.
- 2.2. Liaison with the client and the acoustic consultant was undertaken immediately prior to the event and the monitoring locations were confirmed.

3. SUMMARY RESULTS

MEASURED EVENT LEVELS

3.1. Results of the offsite measurements during the weekend are shown below in Table 2 and Table 3:

Saturday 8th June 2019

Table 2 Measured Noise Levels 8th June 2019

Monitoring Location	Start Time	LAeq, 15min	LCeq, 15 min	Description
MP3	12:20	66	76.6	Traffic throughout and dominating the soundscape. Music just audible. Occasional planes and pedestrian activity.
Howarden Grove	12:40	58.9	72.8	Respond to complaint. Music inaudible.
MP2	13:00	62.8	78.4	Music audible. Traffic throughout. Crowd ingress noise, strong gusts of wind.
MP1	13:24	65.9	78.6	Music just audible. Traffic noise throughout. Very windy.
MP2	13:43	65.7	83.7	Music audible. Traffic noise throughout.
MP3	15:14	65.6	81.7	Music audible. Traffic noise throughout.
MP4	15:38	60.4	73	Music just audible. Strong gusts of wind.
MP2	16:00	69.7	85.3	Music audible. Traffic and pedestrian noise dominating the soundscape.
MP1	16:28	61.7	74.9	Music just audible. Strong gusts of wind.
MP3	17:47	66.4	80.5	Music audible between traffic. Some local activity present.
Howarden Grove	18:07	60	72.4	Monitoring previous complaint location. Music just audible.
MP2	18:29	70.6	87.3	Music audible, mainly at lower frequencies. Some traffic noise also present.
MP1	18:50	66.2	82.7	Music dominant. Crowd noise throughout.
MP2	19:16	70.5	86.7	Music audible, mainly at lower frequencies and vocal range. Crowd noise.
Burbage Road	19:55	67.2	75.9	Responding to complaint. Music barely audible. Music noise levels approximately 58dB(A). Traffic noise dominating the soundscape.
MP3	20:20	67.4	84	Music audible. Sporadic traffic noise.
MP2	21:04	70	87.3	Music audible. Crowd noise and Lambeth cleaning van.
MP2	21:21	68.7	87.1	Music audible. Crowd noise and Lambeth cleaning van.
MP1	21:43	64.9	82	Music dominant. Crowd noise leaving the event.
MP2	22:08	68.8	82.5	Music dominant, no traffic noise due to road closures.

Sunday 9th June 2019

Table 3 Measured levels on Saturday 9th June 2019

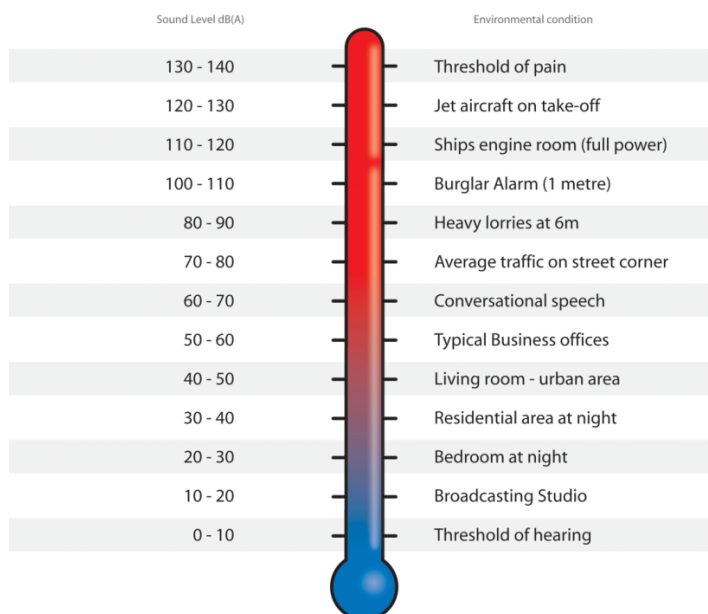
Monitoring Location	Start Time	LAeq, 15min	LCeq, 15 min	Description
MP2	12:23	67.5	81.5	Music audible. Traffic noise and crowd ingress.
MP3	13:18	64.7	77.9	Music just audible. Traffic noise dominant.
MP4	13:44	54.4	68.7	Music inaudible. Traffic noise and local activity.
MP2	14:30	63	79	Music audible. Traffic noise throughout.
MP2	15:57	66.6	84	Music audible. Car alarm for 30".
MP1	16:19	63.9	80.1	Music dominant. Occasional local activity.
MP3	17:18	63	77.6	Music barely audible. Inquisitive locals talking close to the sound level meter.
MP4	18:02	62	76.2	Music just audible. Local activity throughout.
MP2	19:17	70.1	84.8	Music audible. Traffic noise and Lambeth cleaning van present.
MP2	19:35	74	85.7	Music audible. Music noise levels approximately 70dB(A) Inquisitive locals speaking close to the sound level meter.
MP1	20:10	68.2	85.1	Music dominant. Variable crowd noise.
MP2	20:40	68.2	85.3	Music dominant. Police siren contaminating the measurement.
MP1	21:05	68.1	84.3	Music dominant. Some audible reflections from the apartments on Dulwich Road.
MP3	21:37	65.4	80.1	Music just audible between traffic.

4 . S U M M A R Y

- 4.1. Noise monitoring was undertaken at four locations around Brockwell Park during the Mighty Hoopla and Cross the Tracks events.
- 4.2. All musical entertainment had finished by 22:30 on Saturday and by 22:00 on Sunday.
- 4.3. Amplified music noise levels were below maximum allowable limits at the agreed monitoring location at all times during the events.

APPENDIX A - ACOUSTIC GLOSSARY

Noise is defined as unwanted sound. The range of audible sound is from 0dB to 140dB, which is taken to be the threshold of pain. The sound pressure detected by the human ear covers an extremely wide range. The decibel (dB) is used to condense this range into a manageable scale by taking the logarithm of the ratio of the sound pressure and a reference sound pressure.

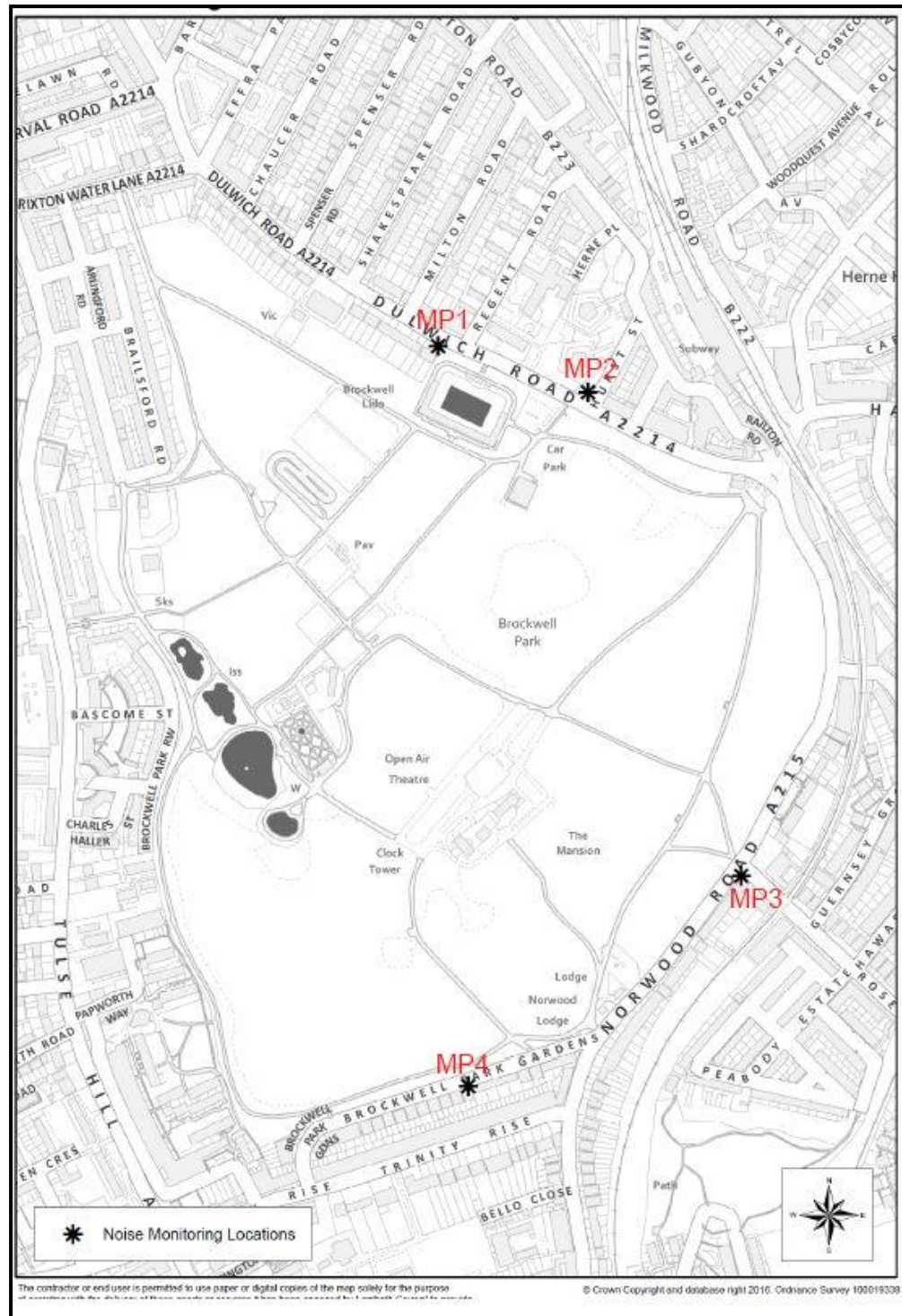


The frequency response of the ear is usually taken to be about 18Hz (number of oscillations per second) to 18,000Hz. The ear does not respond equally to different frequencies at the same level. It is more sensitive in the mid-frequency range than at the lower and higher frequencies, and because of this, the low and high frequency component of a sound are reduced in importance by applying a weighting (filtering) circuit to the noise measuring instrument. The weighting which is most used and which correlates best with the subjective response to noise is the dB(A) weighting. This is an internationally accepted standard for noise measurements.

The ear can just distinguish a difference in loudness between two noise sources when there is a 3dB(A) difference between them. Also when two sound sources of the same noise level are combined the resultant level is 3dB(A) higher than the single source. When two sounds differ by 10dB(A) one is said to be twice as loud as the other.

The subjective response to a noise is dependent not only upon the sound pressure level and its frequency, but also its intermittency. Various indices have been developed to try and correlate annoyances with the noise level and its fluctuations. The parameter used for this measure is Equivalent Continuous Sound Pressure Level (L_{Aeq}). The A-weighted sound pressure level of a steady sound that has, over a given period, the same energy as the fluctuating sound under investigation. It is in effect the energy average level over the specified measurement period (T) and is the most widely used indicator for environmental noise. A few examples of noise of various levels are given right.

APPENDIX B – SITE MONITORING PLAN



APPENDIX C – WEATHER CONDITIONS

WEATHER CONDITIONS ON 8TH JUNE 2019

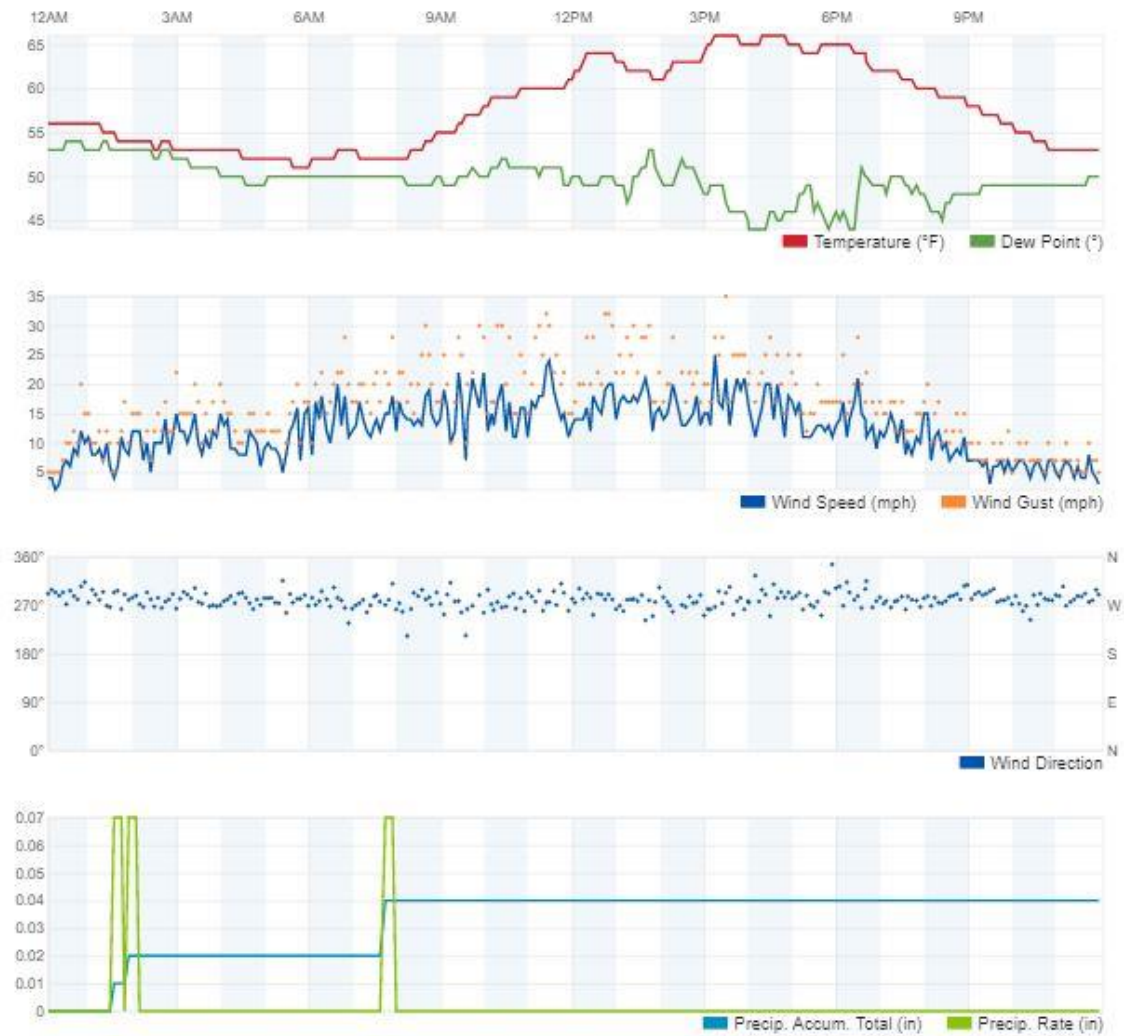
Source: <https://www.wunderground.com/dashboard/pws/ILONDON673/graph/2019-06-8/2019-06-8/daily>

Table 4 Weather conditions summary 8th June 2019

Time	Temperature	Humidity	Wind	Wind Speed	Gust
12:09 PM	62F	61%	WNW	10.0mph	14.0mph
12:59 PM	63F	59%	West	6.0mph	9.0mph
1:19 PM	62F	57%	West	9.0mph	12.0mph
2:54 PM	63F	57%	WNW	8.0mph	10.0mph
3:39 PM	66F	49%	WSW	7.0mph	11.0mph
4:49 PM	66F	48%	WNW	8.0mph	11.0mph
4:54 PM	65F	49%	WNW	9.0mph	11.0mph
4:59 PM	65F	50%	WNW	9.0mph	12.0mph
5:04 PM	65F	50%	WNW	7.0mph	11.0mph
5:09 PM	64F	52%	WNW	7.0mph	9.0mph
5:14 PM	64F	53%	West	7.0mph	9.0mph
5:19 PM	64F	57%	WNW	7.0mph	8.0mph
6:49 PM	62F	61%	West	7.0mph	9.0mph
6:54 PM	62F	60%	West	6.0mph	9.0mph
6:59 PM	62F	61%	WNW	8.0mph	11.0mph
7:43 PM	61F	64%	West	5.0mph	7.0mph
8:49 PM	59F	67%	West	5.0mph	7.0mph
8:54 PM	58F	67%	NW	6.0mph	8.0mph
9:34 PM	57F	74%	WNW	2.0mph	4.0mph
10:14 PM	55F	79%	West	3.0mph	5.0mph

JUNE 2019

June 8, 2019



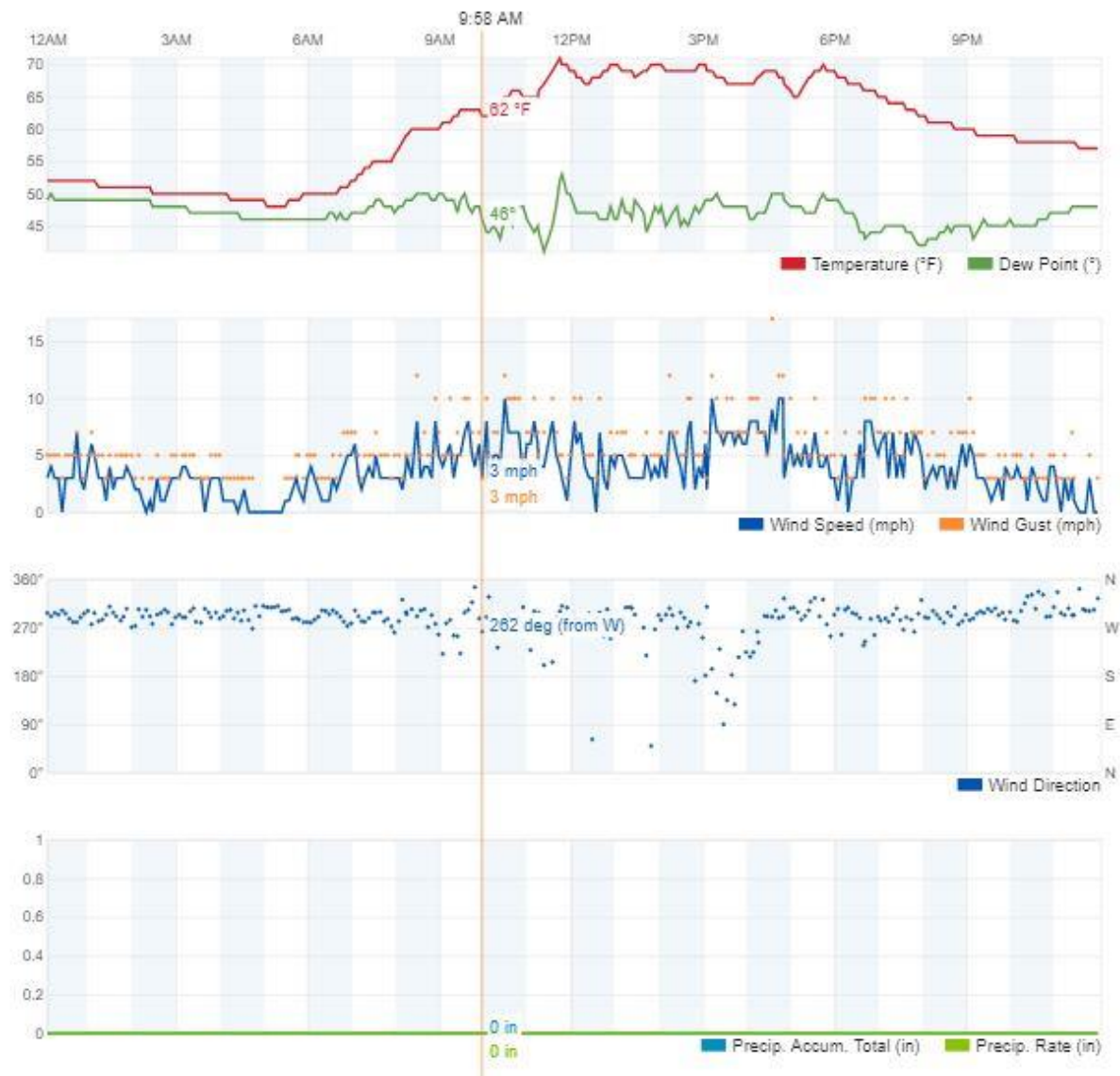
WEATHER CONDITIONS ON 9TH JUNE 2019

Source: <https://www.wunderground.com/dashboard/pws/ILONDON673/graph/2019-06-9/2019-06-9/daily>

Table 5 Weather conditions summary 9th June 2019

Time	Temperature	Humidity	Wind	Wind Speed	Gust
12:12 PM	68F	46F	45%	WNW	2.0mph
12:19 PM	67F	46F	46%	WNW	2.0mph
1:49 PM	69F	44F	40%	NE	1.0mph
2:59 PM	70F	46F	43%	WSW	1.0mph
3:12 PM	69F	49F	48%	SSW	7.0mph
4:24 PM	68F	46F	45%	WNW	4.0mph
5:39 PM	69F	49F	47%	WNW	1.0mph
6:34 PM	67F	43F	42%	WNW	3.0mph
7:24 PM	64F	45F	49%	NW	1.0mph
8:08 PM	61F	43F	50%	WNW	2.0mph
8:14 PM	61F	43F	51%	WNW	2.0mph
8:59 PM	60F	45F	56%	WNW	2.0mph
9:04 PM	60F	44F	55%	WNW	3.0mph
10:19 PM	58F	45F	61%	NW	1.0mph
10:23 PM	58F	45F	61%	NNW	0.0mph
10:29 PM	58F	45F	61%	NNW	1.0mph
10:34 PM	58F	45F	62%	NW	1.0mph
10:38 PM	58F	45F	62%	NNW	0.0mph

June 9, 2019





VANGUARDIA LIMITED

LONDON OFFICE

The Ministry
79-81 Borough Road
London SE1 1DN

HEAD OFFICE

21 Station Road West, Oxted
Surrey RH8 9EE

NORTH WEST OFFICE

Room B,05 Jactin House
24 Hood Street
Manchester M4 6WX

Tel +44 (0) 1883 718690

office@vanguardia.co.uk
vanguardia.co.uk