

FIELD DAY FESTIVAL 2018

BROCKWELL PARK, NORWOOD ROAD, LONDON, SE24 9BJ

POST CONCERT REPORT

VC-102685-PCR-0001

R00

JULY 2018



VANGUARDIA
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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 (and onsite if required) at the Field Day/Mighty Hoopla Festivals held in Brockwell Park on 1st, 2nd and 3rd 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. We were advised that the following criteria applied to this event:-
 - This is under the 2016 LBL Guidance for Events
 - Three Spires Acoustics are the Acoustic Consultants
- 1.2. An acoustic glossary is included in Appendix A.
- 1.3. This document has been prepared to present the measurements and action taken by Vanguardia. The results are shown in Section 2.

2. SUMMARY OF CONCERT DATA AND CONDITIONS

Table 1 Event Information

Field Day Festival 2018	
Event Dates	Friday 1 st June to Sunday 3 rd June 2018
Start & Finish times	Friday 1 st June 12:00 to 22:30 Saturday 2 nd June 11:00 to 22:30 Sunday 3 rd June 2018 11:00 to 21:30
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. Liaison with the client was undertaken immediately prior to the event and monitoring locations confirmed.

3. SUMMARY RESULTS

MONITORING LOCATIONS

- 3.1. Prior to the event 4 specific noise sensitive control locations were identified and these were used to determine the primary noise monitoring locations during the festival. Details of these locations are provided in Table 2 below.

Table 2 Primary Noise Monitoring Locations

Location Number	Location	Description	Noise Environment
1	Just inside Brockwell Park – Brockwell Park Road	Close to the footpath which surrounds the park and representative of the noise sensitive receivers in the vicinity of Brockwell Park Road.	During the entire noise monitoring the main noise source was observed to be environmental noise from the wind in the trees, birds, people walking and cycling along the path, aircraft overhead and in the distance – at times music from the festival was audible as a low level background beat.
2	Inside Brockwell Park - Rear of Papworth Way	Close to the footpath which surrounds the park and representative of the noise sensitive receivers in the vicinity of Papworth way.	During the entire noise monitoring the main noise source was observed to be environmental noise from the wind in the trees, birds, people walking and cycling along the path, aircraft overhead and in the distance – at times music from the festival was audible as a low-level background beat.
3	Green just west of Brockwell Lido – rear of Dulwich road	At the rear of the park immediately west of the Brockwell Lido. Representative of the noise sensitive receivers in the vicinity of Dulwich Road and Milton Road	The main noise source was observed to be from people using the small park area, arriving and leaving the event along the boundary path, aircraft overhead and in the distance – Music from the festival was clearly audible and but at the monitoring locations the noise level did not interfere with normal conversation and the park was in constant use by both people attending the festival but also other for general leisure.
4	Just inside the park on junction of Norwood Road / A2199 Croxted Road	At the back of park, approximately 10 metres from the junctions of Norwood Road and the A2199 Croxted Road. Representative of the noise sensitive receivers in the vicinity of Croxted Road	The main noise source was observed to be music from the event and also local traffic on Norwood road. The noise level within the park although clearly audible did not interfere with normal conversation and the park was in constant use by both people attending the festival and also other for general leisure.

- 3.2. During the event some complaints were received which resulted in two further monitoring locations being identified with the park boundary. These additional monitoring locations are also shown on the Monitoring Plan in Appendix B and described in Table 3 below.

Table 3 Additional Noise Monitoring Locations

Location Number	Location	Description	Noise Environment
5	Just inside Brockwell Park – Bristowe Close	Close to the footpath which surrounds the park and representative of the noise sensitive receivers in the vicinity of Bristowe Close.	During the entire noise monitoring the main noise source was observed to be environmental noise from the wind in the trees, birds and ducks, people walking and cycling along the path, aircraft overhead and in the distance – at times music from the festival was audible as a low-level background beat.
6	Just inside Brockwell Park – close to the entrance with Selwood Street.	Close to the footpath which surrounds the park and representative of the noise sensitive receivers in the vicinity of Selwood Street.	During the entire noise monitoring the main noise source was observed to be environmental noise from the wind in the trees, birds, people walking and cycling along the path, aircraft overhead and in the distance – at times music from the festival was audible as a low-level background beat.

MEASURED EVENT LEVELS

- 3.3. The measured noise levels from the monitoring undertaken and observations are provided in Table 4, 5 and 6 below.

Table 4 Measured levels on Friday 1st June 2018

Monitoring Location	Start Time	Duration	LAeq, 15min	LCeq, 15 min	Description
1	13:31:03	00:13:57	56.0	76.9	The event noise was almost inaudible and the dominant noise was from wind in the trees, birds, helicopters
2	13:55:34	00:15:00	51.9	68.6	The event noise was almost inaudible with odd bass beats in the distance. The dominant noise was from wind in the trees, birds, and aircraft. One local resident commented that the noise was not as notable as they had expected.
3	14:23:49	00:15:00	65.6	85.1	Main noise people arriving at the event and some background bass beats.
4	14:47:28	00:15:00	62.4	81.8	Main noise traffic on the Norwood Road, emergency vehicles, aircraft and some background bass beats.
4	16:27:28	00:15:00	65.8	87.1	Main noise traffic on the Norwood Road, and people noise from inside the event. The event music was slightly more audible with a constant bass beat in the background.
3	16:50:27	00:15:00	62.9	81.2	Main noise people arriving at the event, aircraft and background bass beats.
2	17:24:41	00:15:00	65.7	75.3	Noise from the environment and also bass beat in the distance. Local resident approached and was interested in the monitoring and commented that he was not adversely affected by the noise.
2	18:35:19	00:15:00	52.9	75.4	Main noise from the general environment and air craft overhead. Cyclist stopped to ask about the monitoring and commented that the festival locations is the best place in the park to have such an event.

Cricket Pitch near to location 2	18:53:11	00:15:00	50.2	69.7	Monitored away from the boundary path due to third party interference. Main noise was people in the park, aircraft. Event noise only as a distant bass beat.
1	19:16:29	00:15:00	52.2	71.7	Noise from people passing, aircraft. Event noise mainly distant bass beat with a short period where a voice could be heard but no specific words.
5	19:34:37	00:15:00	53.1	77.9	Main noise from the environment and people passing with periods of bass beat in background.
Responsive Dulwich Road	20:15:05	00:15:00	63.4	84.1	Adjacent to Park View House on the Dulwich Road and in response to a noise complaint – Event noise observed to be in the background, but traffic noise was dominant.
Responsive Dulwich Road	20:32:54	00:15:00	59.6	82.3	Adjacent to Park View House on the Dulwich Road and in response to a noise complaint – Event noise observed to be in the background, but traffic noise was dominant.
2	21:18:31	00:15:00	52.2	76.0	Main noise from people passing air craft. Event noise audible as bass beat in background
4	21:47:31	00:13:08	70.5	88.5	Main noise from the event music, people inside the event and traffic on Norwood Road
Responsive Dulwich Road	22:14:52	00:05:31	69.8	83.4	Adjacent to Park View House on the Dulwich Road and in response to a noise complaint – Event noise contribution to the background, but traffic noise was dominant.

Table 5 Measured levels on Saturday 2nd June 2018

Monitoring Location	Start Time	Duration	LAeq, 15min	LCeq, 15 min	Description
1	12:22:50	00:15:00	51.6	76.2	Main noise from the environment with bass beats in the distance. Local resident was impressed that this type of monitoring was being undertaken
2	12:41:31	00:15:00	51.5	73.9	Main noise from the environment and aircraft with bass beats in the distance.
3	13:11:14	00:15:00	60.0	80.6	Main noise from people arriving at the event and bass music from the event.
4	14:02:09	00:15:00	63.6	84.5	Main noise from the event and traffic.
1	14:30:49	00:15:00	52.9	75.6	Main noise from the environment and people walking past. Bass beats in the distance.
2	14:50:47	00:15:00	55.3	75.7	Main noise from the environment and aircraft with bass beats in the distance.
3	15:24:19	00:15:00	61.5	79.5	Main noise from people on the park and arriving to the event. Bass beats and vocals audible from the event.
Responsive Guernsey Grove	16:17:24	00:13:07	54.6	68.9	Attended Guernsey Grove with Chris Hurst. Event noise in background main noise was from the traffic on the surround road network.
Responsive Hawarden Close	17:29:27	00:05:02	51.1	63.1	Rear garden. Event music audible in background. The noise level was not perceived to be significant.
Responsive Turney Road	18:48:16	00:04:07	62.5	75.5	Event noise audible in the distance but not significant in terms of impact on any normal activity.
3	18:58:06	00:15:00	73.7	84.2	Event noise mainly bass beats and people on the foot path

4	19:44:56	00:15:00	67.2	89.9	Event music, from the main stage and traffic
1	20:14:31	00:15:00	55.7	79.3	Event noise audible in distance as background very low bass beat
2	20:34:46	00:15:00	53.5	78.2	Event noise audible in distance as background bass beat. Occasional unintelligible vocal.
3	21:06:41	00:15:00	62.6	85.2	Event music, mainly bass beats and noise from people leaving the event.
Responsive Dulwich Road	22:33:38	00:15:00	69.5	77.9	Adjacent to Park View House on Dulwich road, Main noise source was people outside the event, traffic and music in the background.

Table 6 Measured levels on Sunday 3rd June 2018

Date	Start Time	Duration	LAeq, 15min	LCeq, 15 min	Description
1	11:51:47	00:15:00	49.3	65.0	Environmental noise and people using the path. Bass beat in distance
2	12:07:02	00:00:19	44.8	59.2	Environmental noise and people using the path. Bass beat in distance
3	12:13:18	00:15:00	47.7	62.5	People arriving to the event and using the sitting on the green. Bass beats from the event part of the background noise
3	13:11:38	00:15:00	58.3	72.9	People arriving to the event and using the sitting on the green. Helicopter hovering for period. Bass beats from the event part of the general background noise
4	13:46:20	00:15:00	65.3	87.4	Event music and traffic in the background and noise from people using the park area outside the event
1	14:15:17	00:15:00	54.7	75.0	General environmental noise, with people and police horses passing. Third party interruption by a member of the Brockwell Park Committee. He advised that he could hear the event music yesterday but that it was not at a level that caused any problem.
2	14:40:35	00:15:00	57.1	76.7	General environmental noise, significant people activity and children noise. Could hear event in distance when other noise dropped
2	14:56:49	00:15:00	54.8	77.2	Repeat monitoring with Three Spires Acoustic noise as previous
3	15:37:15	00:15:00	64.0	80.9	Event noise and people arriving to the event on the footpath. Ending the monitoring period with a loud group of people who on the green who were playing their own music on a small portable speaker.
4	17:18:49	00:15:00	68.2	88.2	Event noise from music and people inside the event and local traffic
1	17:47:57	00:07:28	60.2	81.4	General environmental noise. Monitoring interrupted and by phone call reporting a complaint and need for a responsive visit.
Responsive Leander Road	17:55:31	00:15:00	70.6	82.4	Main noise local traffic and people passing but periods of clear audible vocals
Responsive Bristowe Close	18:50:18	00:07:48	61.4	82.8	Not able to access the specific road but monitored just inside the park boundary. Main at times could clearly hear female vocal while not loud the voice stood out.

Responsive Brading Road	19:20:28	00:15:00	55.7	71.0	Odd periods where vocals from Lily Allen could be identified in the distance The other main noise sources included traffic and people passing.
3	20:03:00	00:15:00	61.5	80.4	Noise from the event and people leaving using the footpath
2	20:53:01	00:15:00	65.8	86.7	Main noise from the environment and people walking. Event bass beats were audible in the distant background

BREACHES OF THE NOISE CONDITIONS

3.4. From the data it is clear that no breaches of the agreed noise limits were observed.

4 . S U M M A R Y

- 4.1. 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 (and onsite if required) at the Field Day/Mighty Hoopla Festivals held in Brockwell Park on 1st, 2nd and 3rd June reporting any exceedances of the premises licence criteria to the onsite event manager. Vanguardia were not controlling or managing the sound levels.
- 4.2. During the event there was a small number of complaints from the local area and where possible these were responded to with reactive monitoring.
- 4.3. Throughout the event extensive monitoring was undertaken and no breaches of the agreed noise limits were observed.

APPENDIX A - ACOUSTIC GLOSSARY

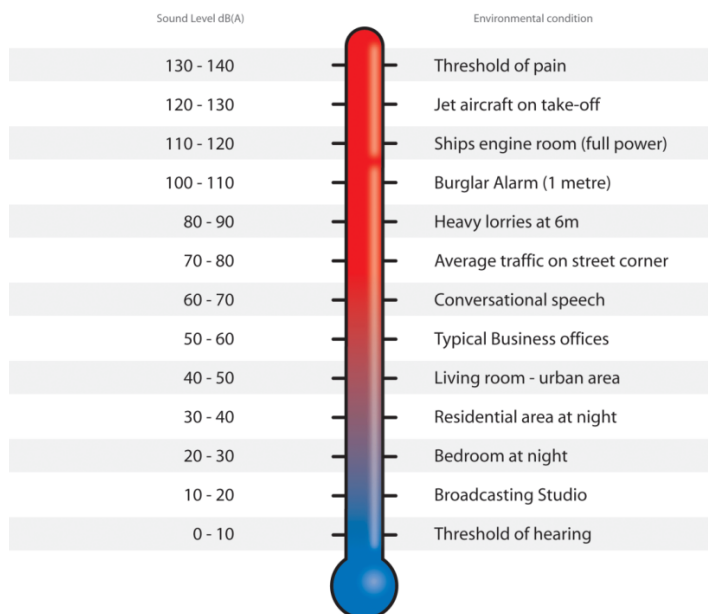
Noise is defined as unwanted sound. The range of audible sound is from 0dB to 140dB, which is taken to be the threshold of pain. The sound pressure detected by the human ear covers an extremely wide range. The decibel (dB) is used to condense this range into a manageable scale by taking the logarithm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

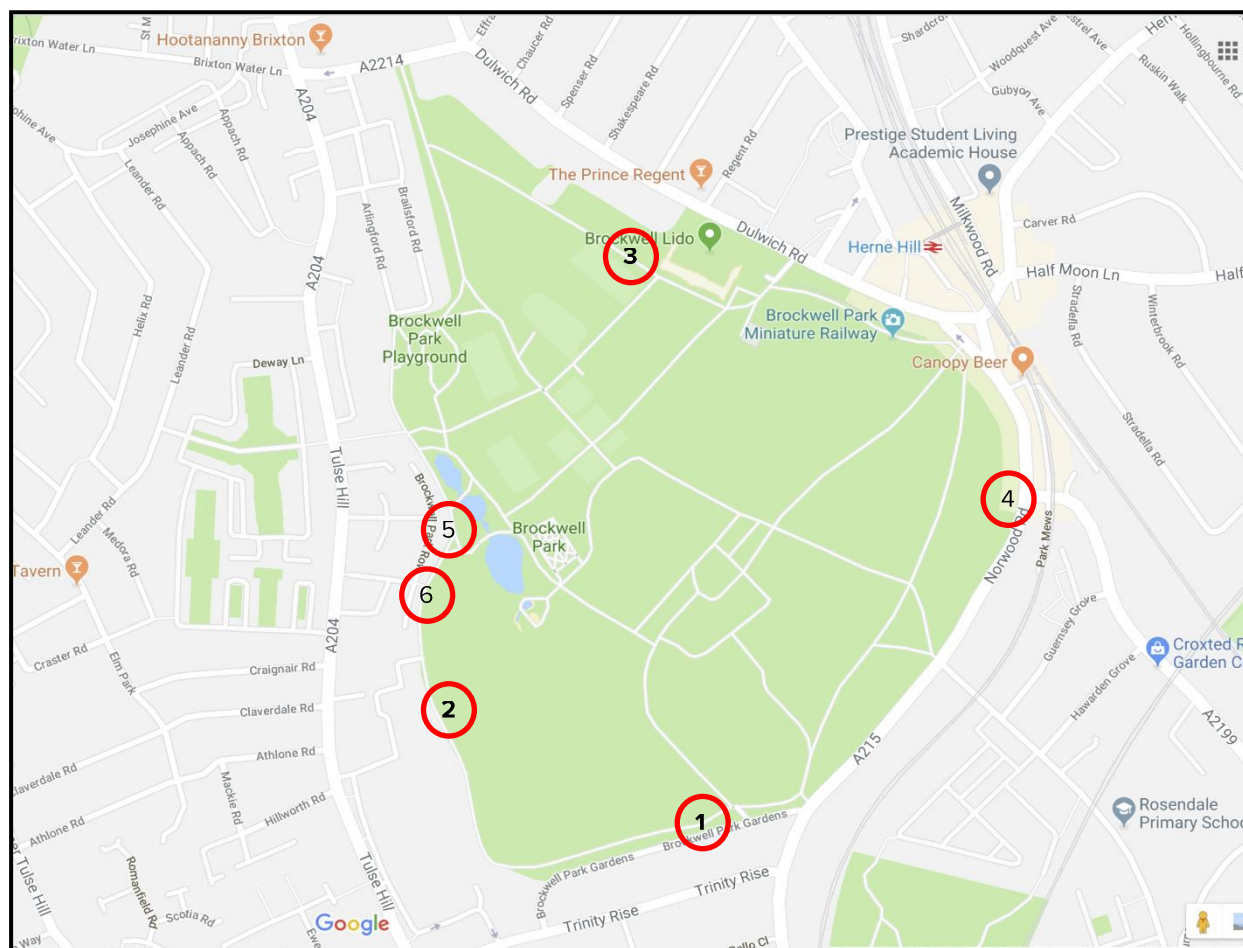
(number of oscillations per second) to 18,000Hz. The ear does not respond equally to different frequencies at the same level. It is more sensitive in the mid-frequency range than at the lower and higher frequencies, and because of this, the low and high frequency component of a sound are reduced in importance 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



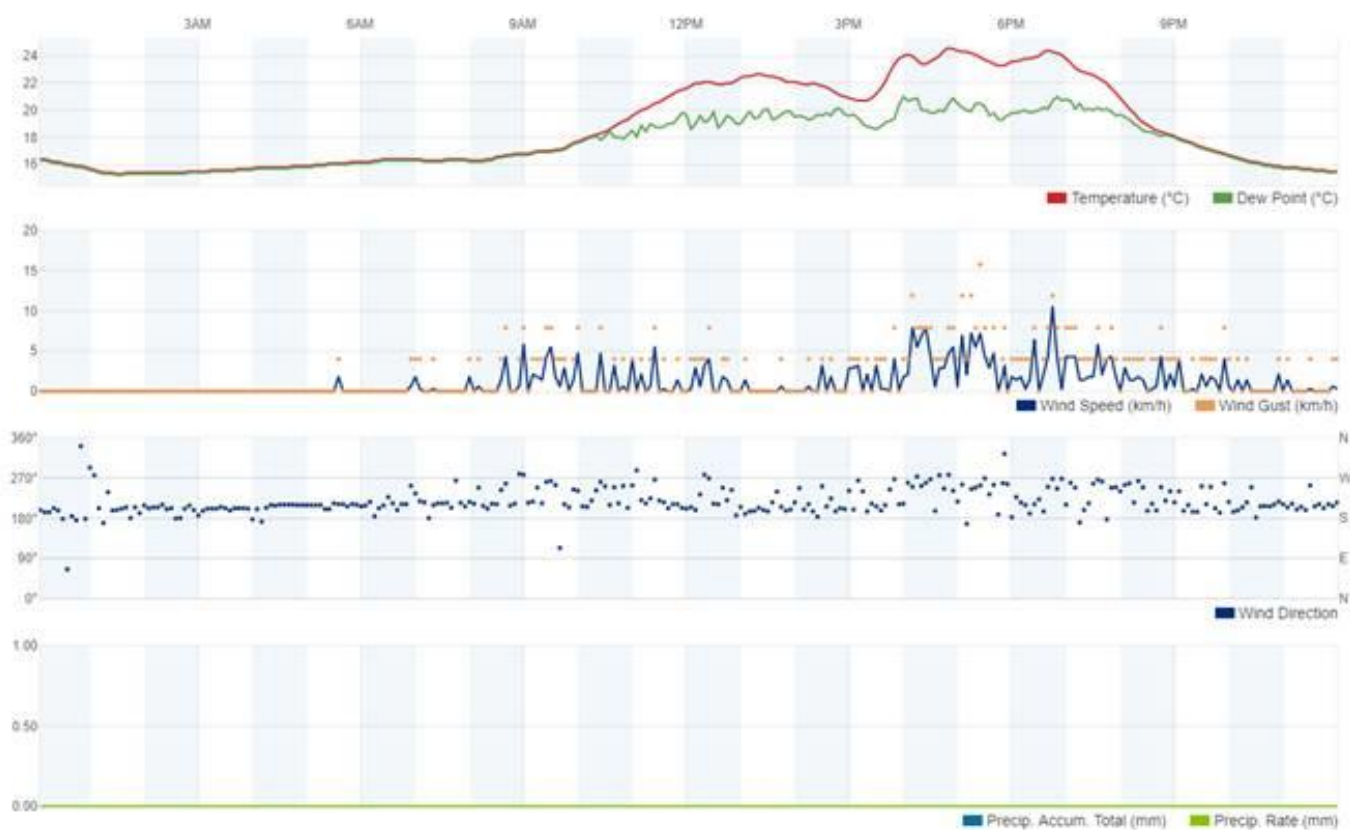
APPENDIX C – WEATHER CONDITIONS

Graphs accessed on 14/06/18 from weather station “LONDON553” from the following URL

<https://www.wunderground.com/personal-weather-station/dashboard?ID=LONDON553#history/s20180603/e20180603/mdaily>

Friday 1st June 2018

Weather History Graph
June 1, 2018



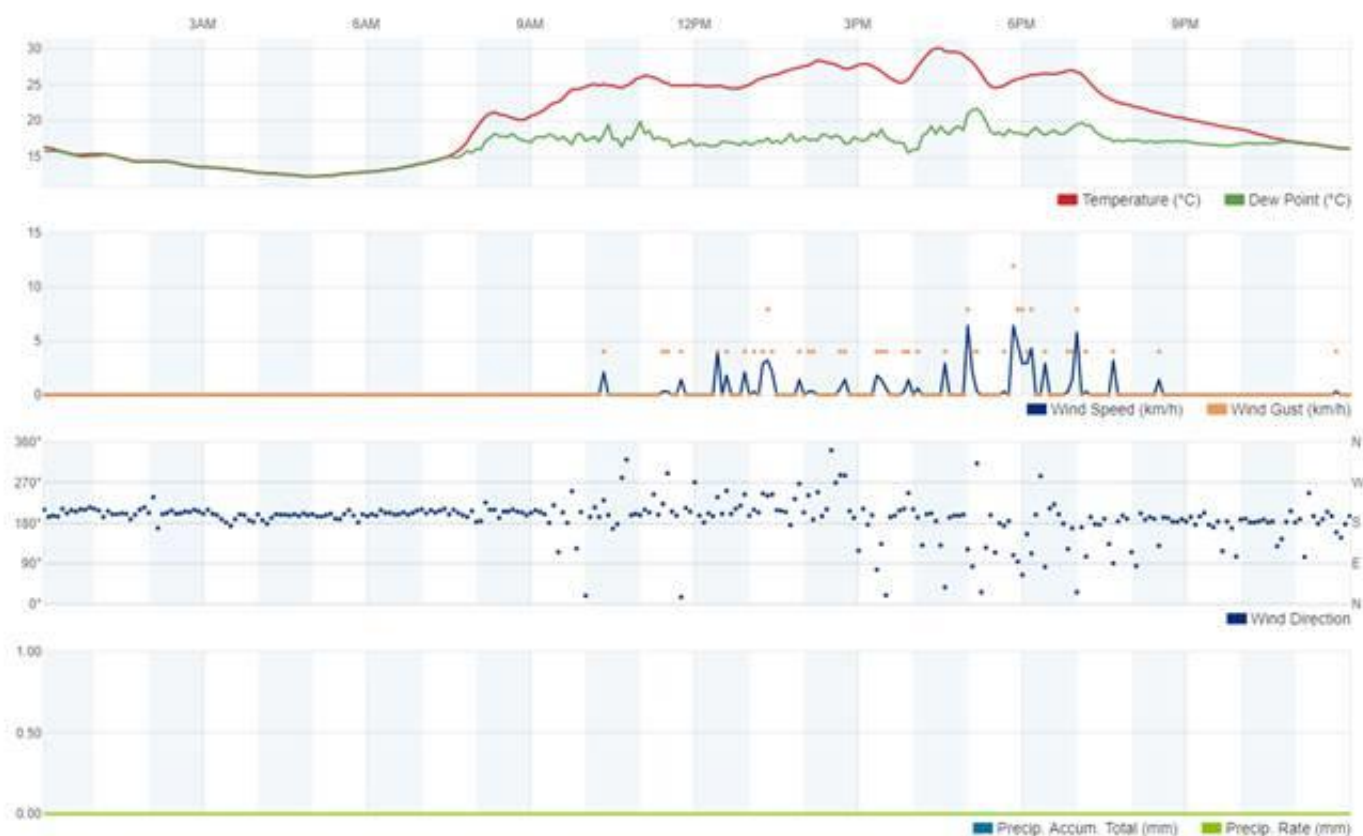
Saturday 2nd June 2018

Weather History Graph
June 2, 2018



Sunday 3rd June 2018

Weather History Graph
June 3, 2018





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