



**Document 3.1- ES Volume 2
Appendix 7.1 Baseline Noise Survey
Results**



**The Kemsley Mill K4 Combined Heat and
Power Generating Station Development
Consent Order**

**Planning Act 2008 The Infrastructure Planning
(Applications: Prescribed Forms and
Procedure) Regulations 2009
Regulation 5(2)q**

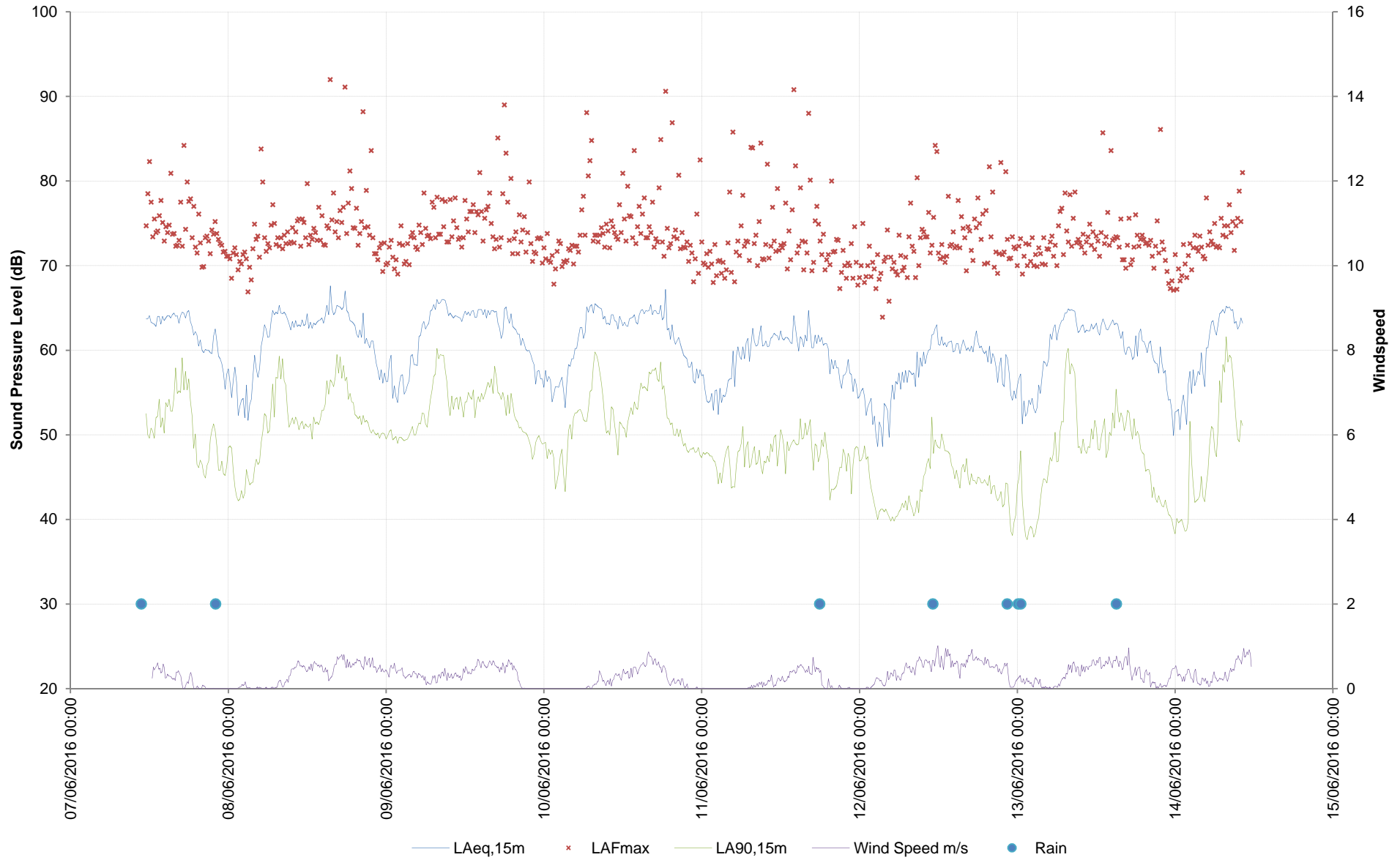
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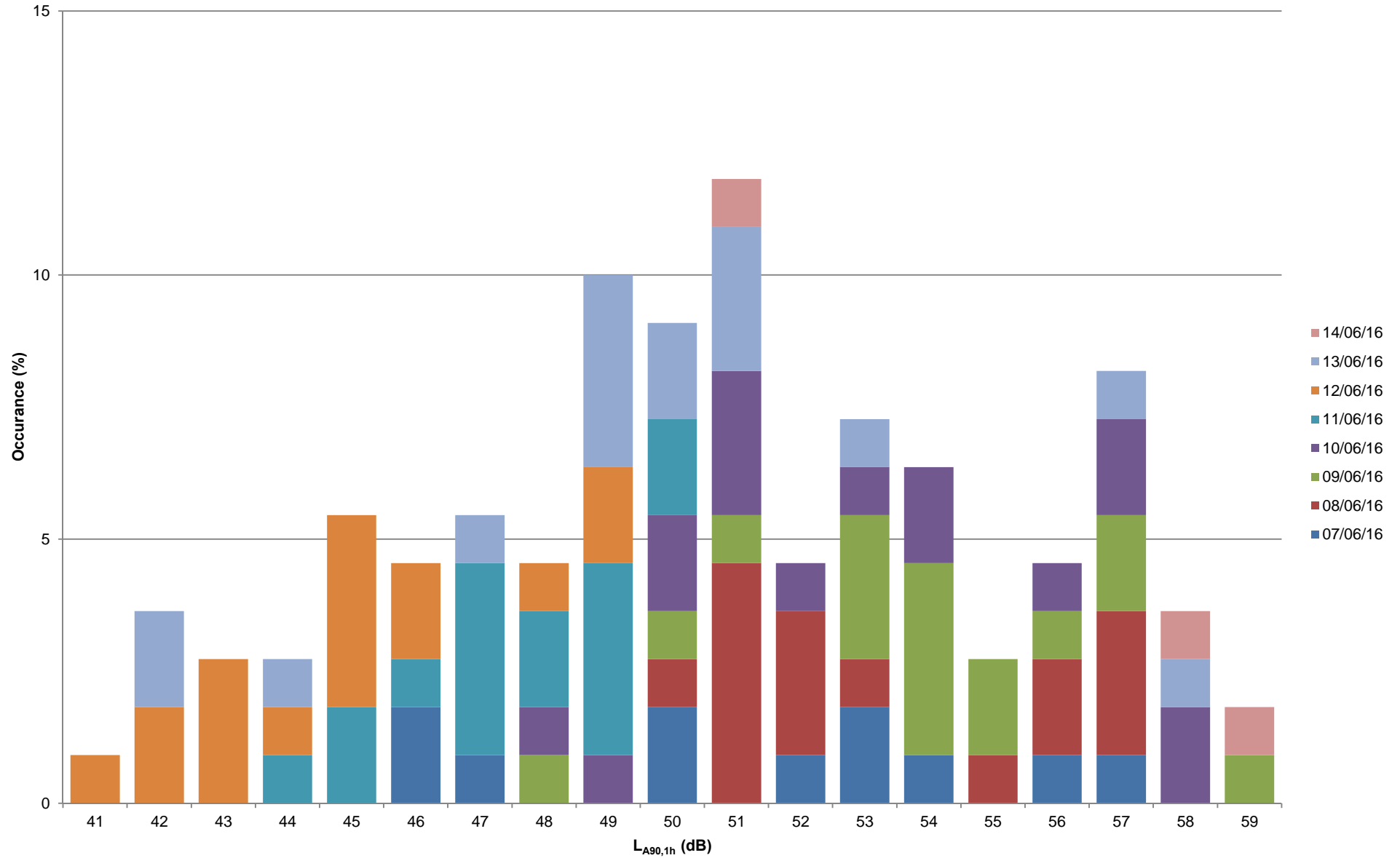
Sound Level Survey Record

| | | | | | | |
|---|------------------------|--|------------------|-----------------------|--------------------|----------------|
| Location | | LT1 - 41 Reams Way | | | | |
| Purpose of Monitoring | | Baseline | | | | |
| Relevant Guidance / Standard | | BS 7445-1:2003 / BS 7445-2:1991 / BS 8233:2014 | | | | |
| Sound Measurement System | | | | | | |
| RPS ID | Manufacturer / Model | | Serial Number | Last Lab Verification | Filename | Memory Card ID |
| 112 | Rion NL-52 | | 943363 | 27/01/2017 | 0001 | - |
| Microphone Height | Measurement Interval | Dynamic Range (dB) | Time Weighting | Frequency Weighting | Façade / Freefield | Photo? |
| 3 | 100 ms | 20 - 130 | F | A | Freefield | yes. |
| | | | START | END | | |
| Personnel | | | MF | | MF | |
| Date / time | | | 07/06/2016 11:30 | | 14/06/2016 10:15 | |
| Calibrator | RPS ID | | 33 | | 33 | |
| | Manufacturer / Model | | RION NC-74 | | RION NC-74 | |
| | Serial Number | | 34472822 | | 34472822 | |
| | Date last verification | | 17/11/2017 | | 17/11/2017 | |
| | Reference level | | 94.0 | | 94.0 | |
| | Meter reading | | 94.0 | | 93.9 | |
| Photographs of Measurement Location | | | | | | |
|   | | | | | | |
| Description of site (location of equipment, general surroundings, nature of ground between NSR and sound source(s) (hard/ soft ground, topography, intervening features, reflecting surfaces)) | | | | | | |
| Rear garden 41 Reams Way, against the fence facing Swale Way. The nature of the ground between the survey location LT1 and the proposed site is a mix of hard and soft ground. Local topographical features between the survey location LT1 and the proposed site include an area of elevated soft ground either side of Swale Way acting as a bund and buildings on the DSS Paper Mill site. | | | | | | |
| Description of sound environment survey location (principal environmental and natural sound sources, which sources are dominant, character of the sound environment cf. to the character of the new source) | | | | | | |
| Road traffic on Swale Way, distant industrial type sound (possibly from DSS site), bird calls and a dog barking. | | | | | | |

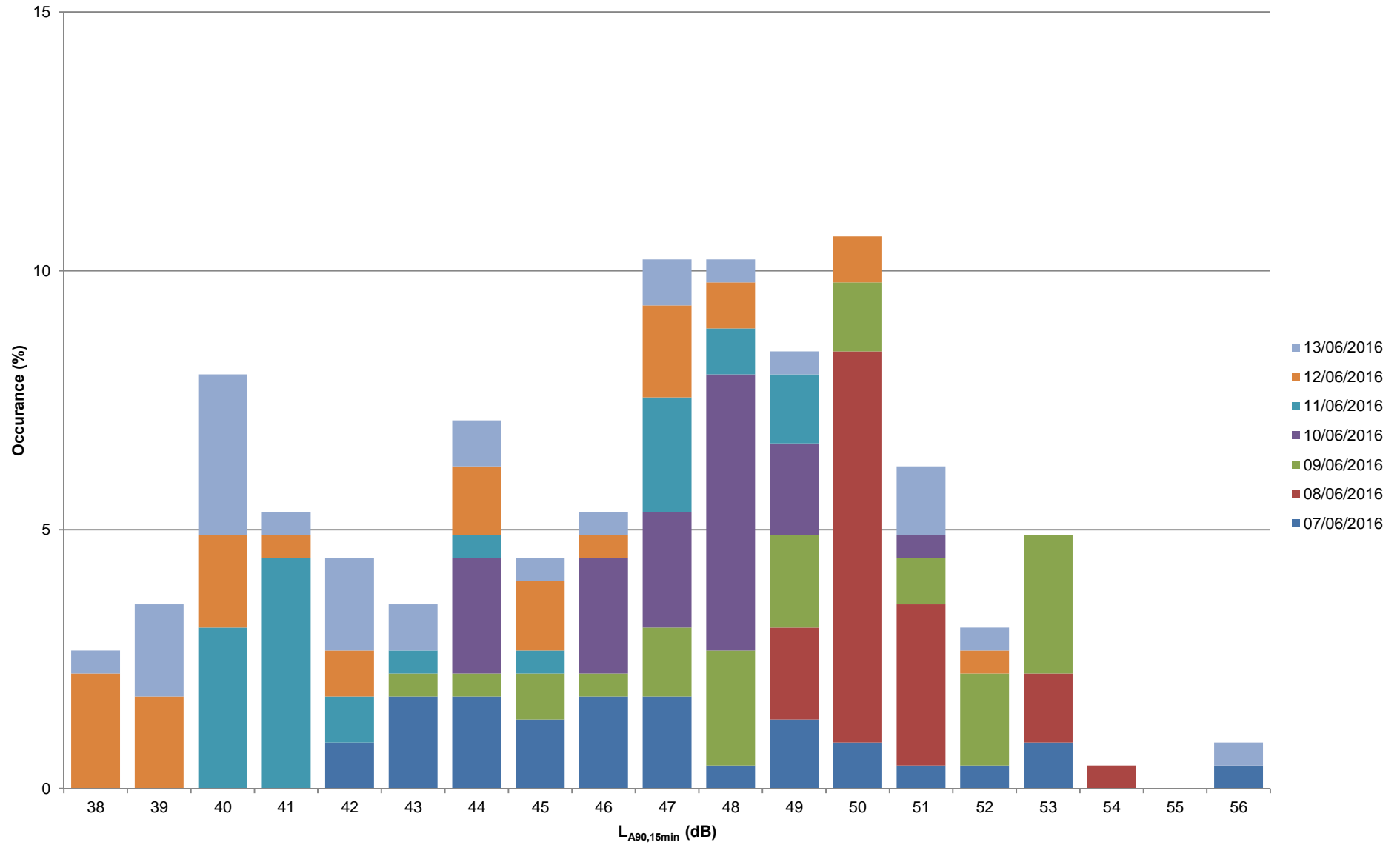
LT1 Time History




LT1 Daytime $L_{A90,1h}$ Histogram



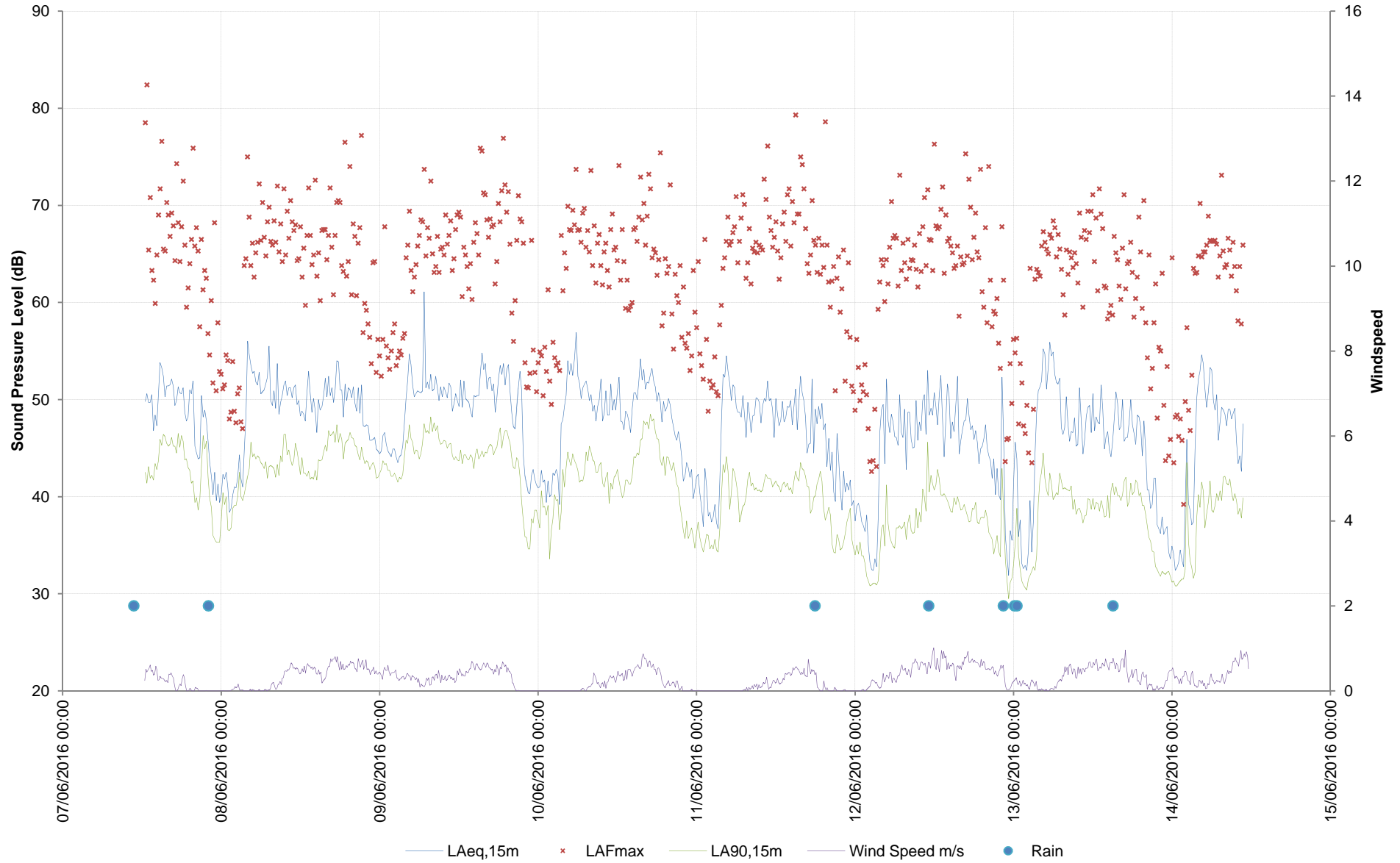
LT1 Night-time $L_{A90,15m}$ Histogram



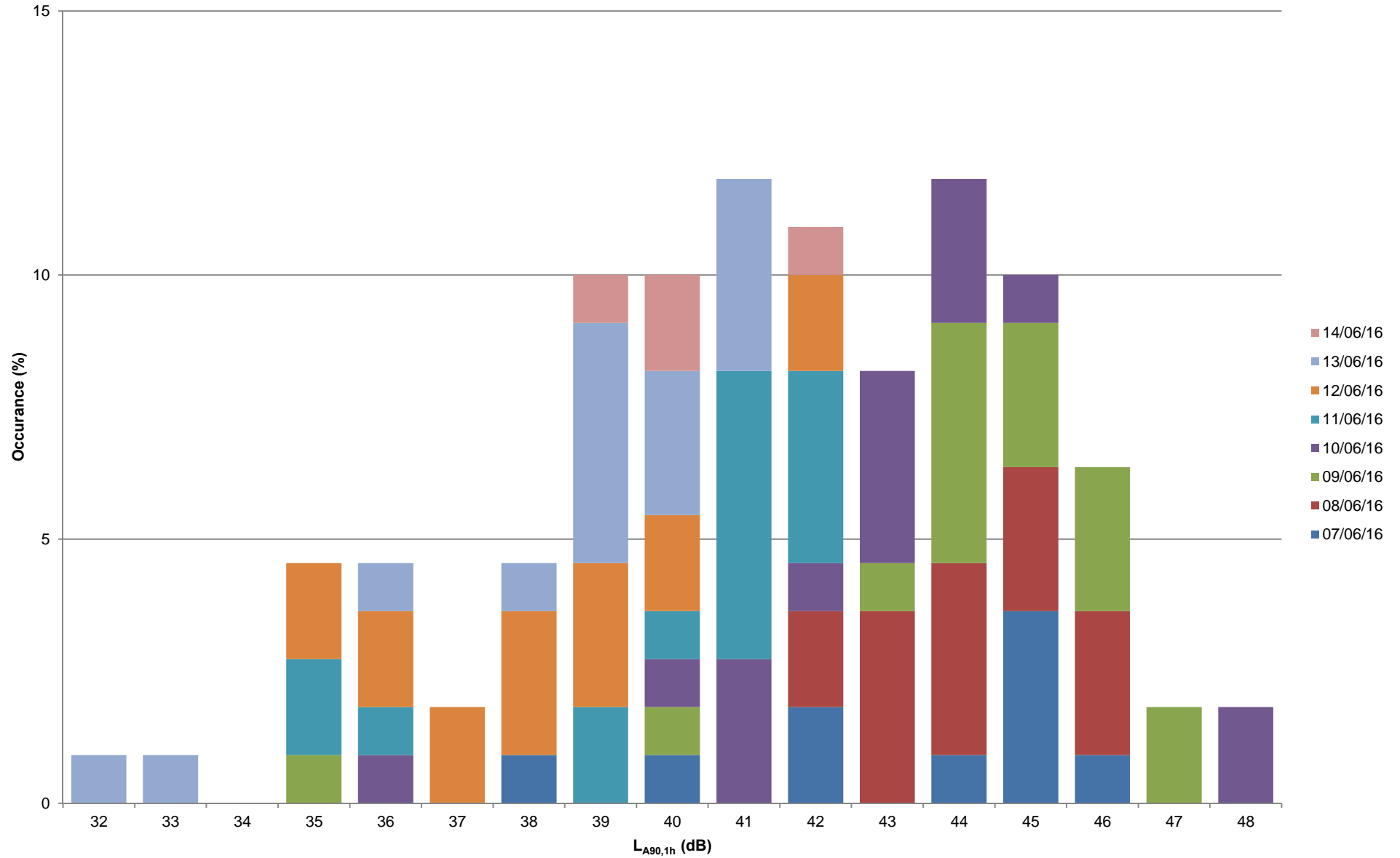
Sound Level Survey Record

| | | | | | | |
|--|------------------------|--|------------------|-----------------------|--------------------|----------------|
| Location | | LT2 - 97 Walsby Drive | | | | |
| Purpose of Monitoring | | Baseline | | | | |
| Relevant Guidance / Standard | | BS 7445-1:2003 / BS 7445-2:1991 / BS 8233:2014 | | | | |
| Sound Measurement System | | | | | | |
| RPS ID | Manufacturer / Model | | Serial Number | Last Lab Verification | Filename | Memory Card ID |
| 125 | Rion NL-52 | | 164422 | 03/03/2016 | 0001 | - |
| Microphone Height | Measurement Interval | Dynamic Range (dB) | Time Weighting | Frequency Weighting | Façade / Freefield | Photo? |
| 1.5 | 100 ms | 20 - 130 | F | A | Freefield | yes. |
| | | | START | END | | |
| Personnel | | | MF | | MF | |
| Date / time | | | 07/06/2016 12:30 | | 14/06/2016 10:45 | |
| Calibrator | RPS ID | | 33 | | 33 | |
| | Manufacturer / Model | | RION NC-74 | | RION NC-74 | |
| | Serial Number | | 34472822 | | 34472822 | |
| | Date last verification | | 17/11/2017 | | 17/11/2017 | |
| | Reference level | | 94.0 | | 94.0 | |
| | Meter reading | | 94.0 | | 93.9 | |
| Photographs of Measurement Location | | | | | | |
|  | | | | | | |
| Description of site (location of equipment, general surroundings, nature of ground between NSR and sound source(s) (hard/ soft ground, topography, intervening features, reflecting surfaces)) | | | | | | |
| Rear garden 97 Walsby Drive, approximately 4 m from the house. The nature of the ground between the survey location LT2 and the proposed site is a mix of hard and soft ground. Local topographical features between the survey location LT2 and the proposed site include an area of elevated soft ground either side of Swale Way acting as a bund and buildings on the DSS Paper Mill site. | | | | | | |
| Description of sound environment survey location (principal environmental and natural sound sources, which sources are dominant, character of the sound environment cf. to the character of the new source) | | | | | | |
| Road traffic on Swale Way, aircraft overhead, distant industrial type sound (possibly from DSS site) and bird calls. | | | | | | |

LT2 Time History



LT2 Daytime $L_{A90,1h}$ Histogram



LT2 Night-time $L_{A90,15m}$ Histogram

