

planning
transport
design
environment
infrastructure

Document 3.1 – ES Volume 2

Appendix 7.1: Noise Survey Results


Wheelabrator Kemsley (K3 Generating Station) and Wheelabrator Kemsley North
(WKN) Waste to Energy Facility DCO

September 2019 -Submission Version

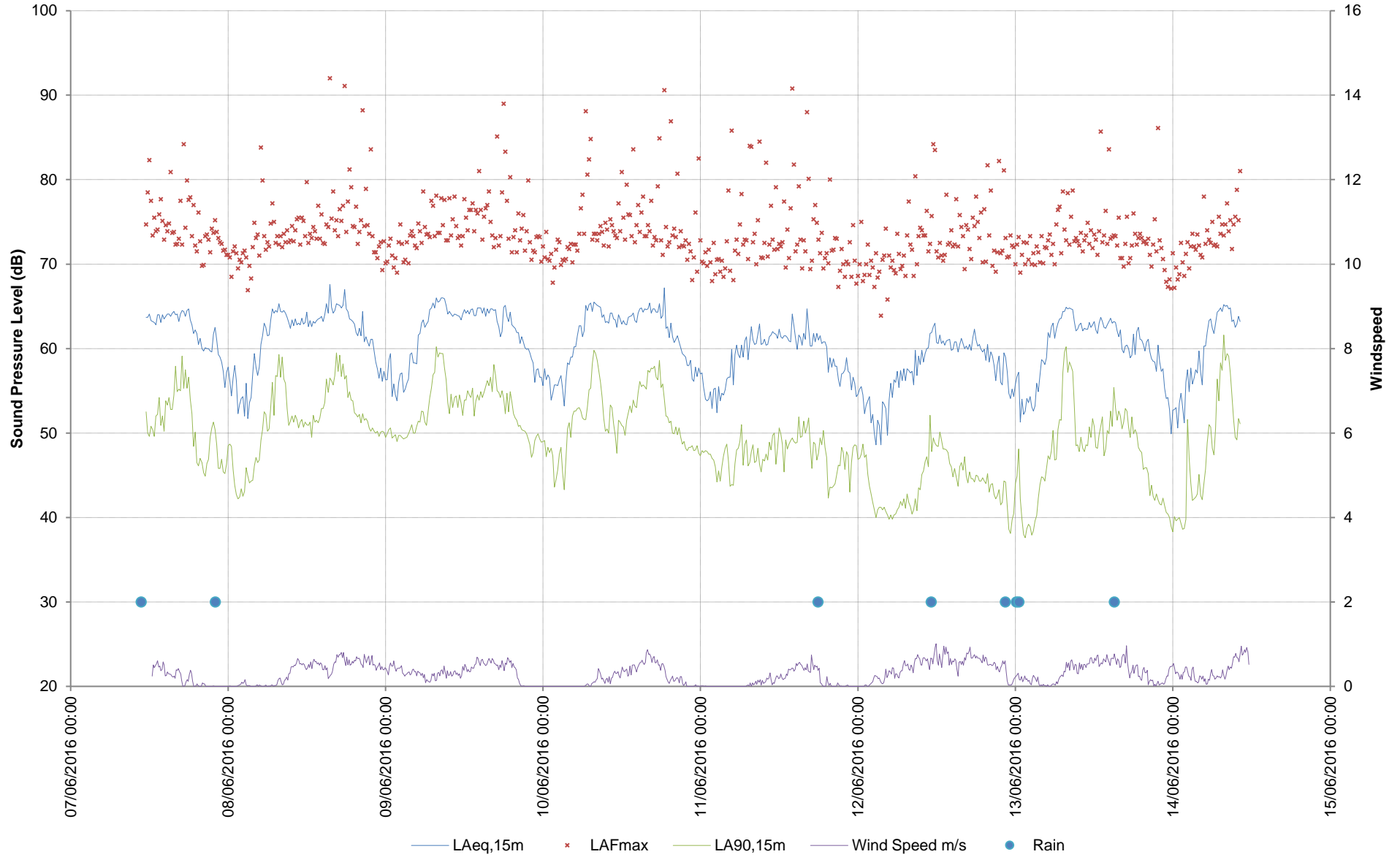
PINS ref: EN010083



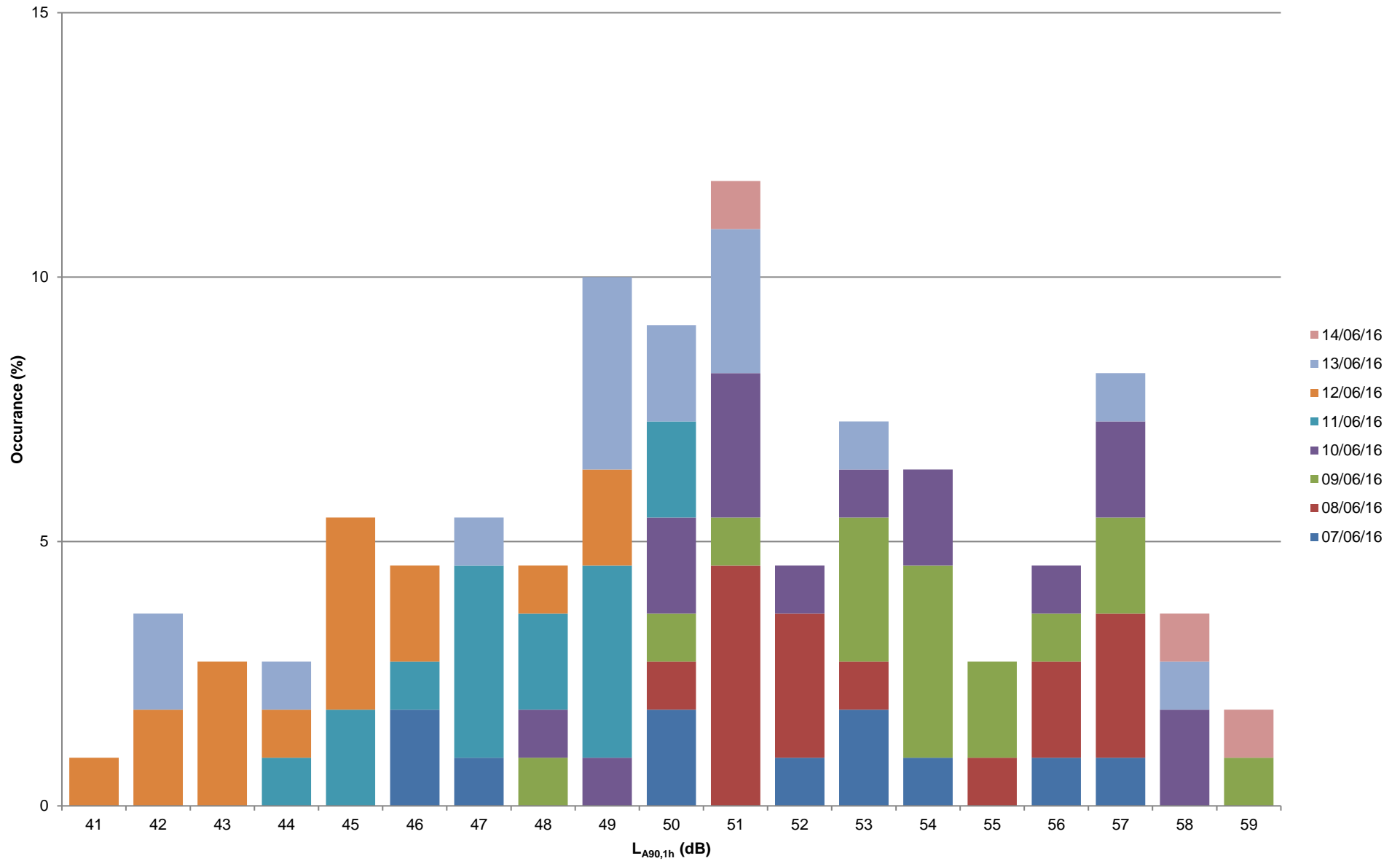
Sound Level Survey Record

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.						

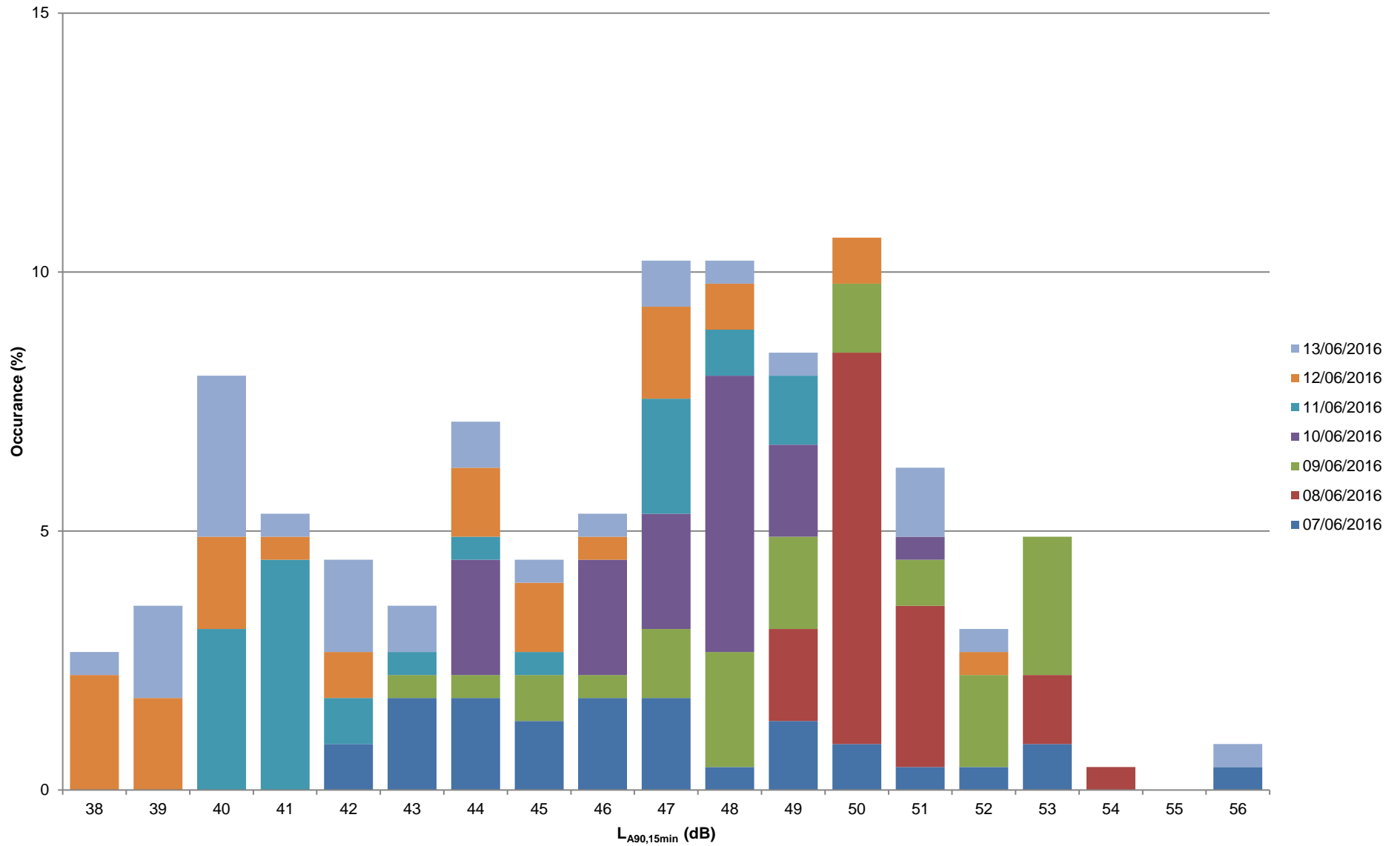
LT1 Time History




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



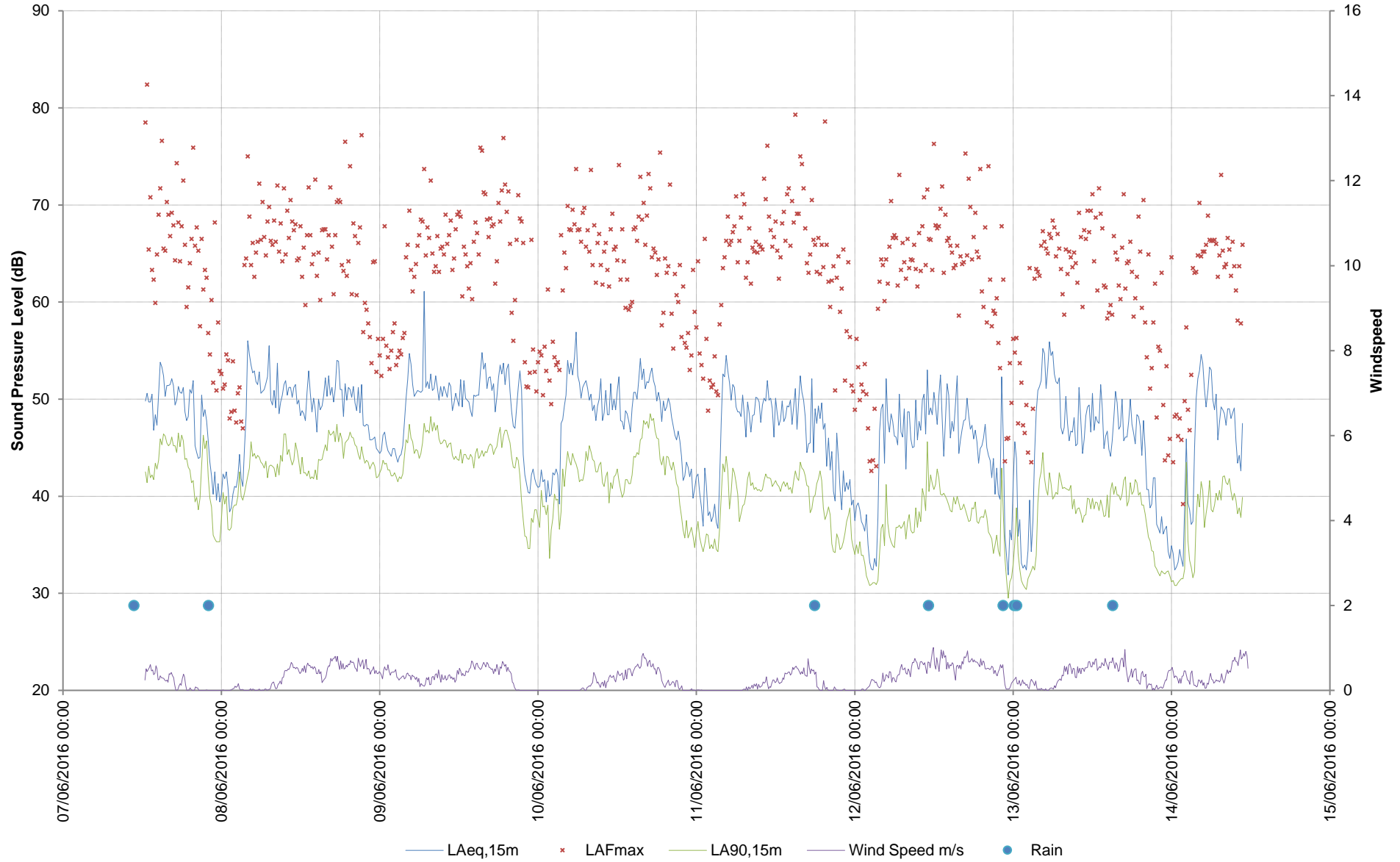
LT1 Night-time $L_{A90,15m}$ Histogram



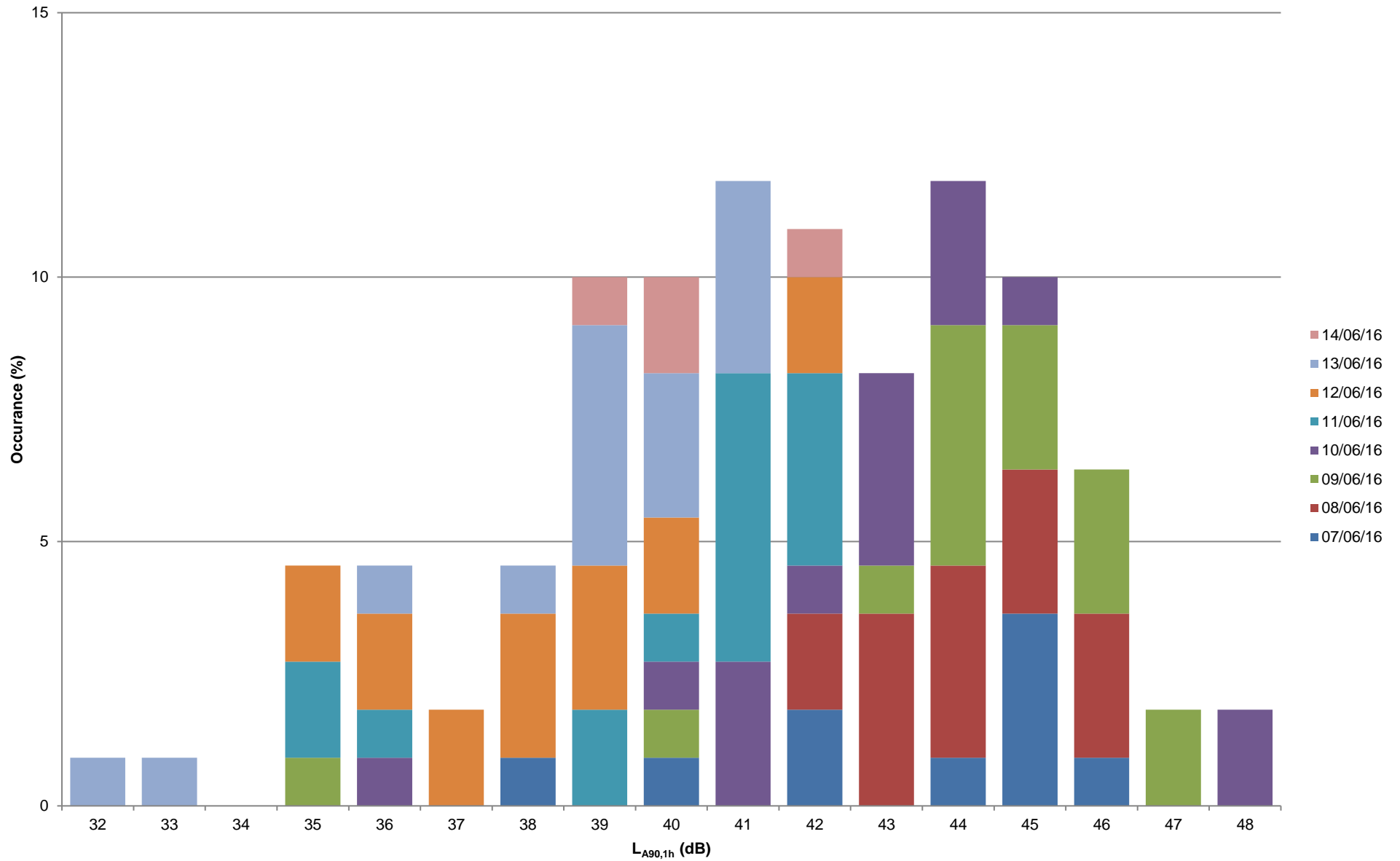
Sound Level Survey Record

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	20/03/2018	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

