Marshall Road Street Lighting Scheme Sandhurst Berkshire

Bat Activity Survey (2017)

Ref: R1824/a

February 2018



1	9	SUMMARY	3
2	I	NTRODUCTION	5
	2.1	Background	
	2.2	Site description, location and context	
	2.3	Legislative background	
	2.4	Report format	7
3	5	SURVEY METHODS	8
	3.1	Bat activity transect survey	8
	3.2	Static detector survey	
	3.3	Survey Constraints	9
4	E	BAT ACTIVITY SURVEY FINDINGS	10
	4.1	Bat transect survey findings (Marshall Road) – 7 th June	10
	4.2	Bat transect survey findings (Shepherd Meadows) - 7 th June	10
	4.3	Bat transect survey findings (Marshall Road) – 26 th June	11
	4.4	Bat transect survey findings (Shepherd Meadows) – 26 th June	11
	4.5 4.6	Bat transect survey findings (Marshall Road) – 1 st August	12
	4.0	Static detector survey findings (Marshall Road) – 8 th – 12 th June	12 12
	4.8	Static detector survey findings (Shepherd Meadows) = 8 th = 12 th June	13
	4.9	Static detector survey findings (Marshall Road) – 27 th June – 1 st July	13
	4.10	Static detector survey findings (Shepherd Meadows) – 27 th June – 1 st July	14
	4.11	Static detector survey findings (Marshall Road) – 2 nd – 6 th August	14
	4.12		15
	4.13		
	4.14		
5	A	ANALYSIS OF DATA	
	5.1	Bat activity – comparison of 2016 and 2017 static data	
	5.2	Species richness	
	5.3	Patterns of bat behaviour	19
6	[DISCUSSION	
	6.1	Conservation importance of species recorded	
	6.2	Bat activity patterns	21
7	(CONCLUSIONS AND RECOMMENDATIONS	23
8	F	REFERENCES	24
Α	PPE	NDIX 1 - BAT ACTIVITY SURVEY PLANS	25
Α	PPE	NDIX 2 - ANALYSIS OF TRANSECT SURVEY DATA FROM 2017	31
Α	PPE	NDIX 3 - ANALYSIS OF STATIC DATA COLLECTED IN 2017	34
Α	PPE	NDIX 4 - ANALYSIS OF TRANSECT DATA COLLECTED FROM 2016 AND 2017	7 35
Α	PPE	NDIX 5 - ANALYSIS OF STATIC DATA COLLECTED FROM 2016 AND 2017	37
Α	PPE	NDIX 6 – LOCATION OF STATIC DETECTORS	39
Α	PPE	NDIX 7 – RAW TRANSECT SURVEY DATA	40
Α	PPE	NDIX 8 - RAW STATIC DETECTOR SURVEY DATA	50
Α	PPE	NDIX 9 – LIGHT SPILLAGE FOR HPS AND LED LIGHTING	108

1 SUMMARY

- 1.1.1 John Wenman Ecological Consultancy LLP was commissioned by Bracknell Forest Council to undertake a bat activity survey of part of Marshall Road in Sandhurst, Berkshire to determine future impacts on bats of the changeover of the street lighting from high pressure sodium (HPS) lights to LED lights.
- 1.1.2 In order to determine the value of the road to bats and then determine future impacts of the street lighting LED changeover, it was recommended that a paired bat activity survey be carried out prior to the changeover and replicated the following year post-changeover to inform an assessment of the impacts of the lighting changeover and guide mitigation if necessary.
- 1.1.3 The pre-changeover activity survey comprised a paired bat activity transect carried out in early June, late June and early August on Marshall Road and in the neighbouring Shepherd Meadows and Sandhurst Memorial Park a public open space part of which is designated as the Blackwater Valley Site of Special Scientific Interest (SSSI) running parallel to the road. The transect survey data was complemented with data from static detectors deployed on each transect route and left for five consecutive nights after each transect survey.
- 1.1.4 The activity surveys revealed the presence of at least nine bat species across the two transect routes and showed that the widespread and nationally abundant species: common and soprano pipistrelles were the most frequently recorded species during the static and transect surveys respectively. The other seven bat species represented only a very small percentage of the total bat calls recorded. The observation of both common and soprano pipistrelle bats flying purposely from the residential estate to the north of Marshall Road into Shepherd Meadows during each transect survey indicates the importance of the Meadows as a foraging resource for these bats. Overall, those bat species typically sensitive to lighting such as *Myotis* bat species were not regularly recorded at either site.
- 1.1.5 A baseline of pre-changeover data was collected in 2016 and this report summarises the findings of a replicated survey carried out in early June, late June and early August in 2017 in order to determine any impacts that the lighting changeover to LED may have on bats. Comparison of the paired

data from 2016 and 2017 shows that bat activity (measured by number of calls per recording night) was higher in Shepherd Meadows in 2016 than on Marshall Road although the difference was not statistically significant. Whereas in 2017, there was more activity on Marhsall Road than at Shepherd Meadows and there has been a significant increase in the abundance of calls by common pipistrelle (*Pipistrellus pipistrellus*) and soprano pipistrelle (*Pipistrellus pygmaeus*) bats after the change to LED lights. Daubenton's bat (*Myotis daubentonii*) was recorded very infrequently but solely on Marshall Road in 2017. Noctule (*Nyctalus noctula*) did not match the change shown by other species and was recorded more abundantly at Shepherd Meadows in 2017.

- 1.1.6 Studies to date have shown that LED lighting attracts ground dwelling and flying invertebrates when compared with other lighting types such as low pressure sodium (LPS) and HPS lighting. Studies comparing bat activity have shown varying impacts on bats with some showing no significant difference between LED lights and LPS lights; whereas other studies have indicated light averse bats avoid LED lights.
- 1.1.7 The findings of this study suggest that there has been an increase in the abundance of two commonly occurring bat species along Marshall Road following the change from HPS to LED lights. The cause of the increase is not clear from the data available but could be as a consequence of increased foraging opportunities as a result as a greater abundance of their invertebrate prey at the LED lights, or may be as a consequence of bats utilising foraging areas not utilised when HPS was installed as a result in reduced light spill.
- 1.1.8 The data does not show that bats have been adversely affected by the switch to LED lighting, but due to the possibility that the lamps may be attracting invertebrates, there is potential for the lights to be having a wider adverse ecological impact, and reducing the total light output and/or switching the lights off for periods overnight would lessen these, and should be considered, especially for roads adjoining semi-natural habitats supporting established bat populations.

2 INTRODUCTION

2.1 Background

- 2.1.1 John Wenman Ecological Consultancy LLP was commissioned by Bracknell Forest Borough Council to undertake a bat activity survey of part of Marshall Road in Sandhurst, Berkshire to determine the bat species that use the road, type and level of activity and the future impacts of the changeover of the high pressure sodium (HPS) street lighting to light-emitting diodes (LED) lamps. This changeover is a just a small part of the 2-3 year project Bracknell Forest Borough Council are currently rolling out to replace all of the standard street lighting and see a 66% reduction in power consumption for those luminaires that have been replaced.
- 2.1.2 Artificial lighting has been shown to alter the activity of nocturnal species and certain bat species have been found to be averse to lighting and actively avoid lit areas. Bats that emerge later in the evening, such as *Plecotus* and *Myotis* species, have a reduced tolerance to lighting. As the intensity of light increases, even species, which are relatively light tolerant, such as *Pipistrellus* bats, are delayed in their emergence from their roosts (Fure 2006). Pipistrelle bats can cope with light levels above 14 lux whilst light-sensitive species such as Daubenton's bat struggle with light levels above 1 lux (Fure 2006).
- 2.1.3 Recent research has found decreased activity of common pipistrelle bats around LED lighting in comparison to municipal mercury vapour (MV) street lights, and has attributed this to the paralleled lower insect densities around the lights (Lewanzik and Voigt 2017). It is reported that insects are attracted to the HPS lighting and subsequently increased activity and foraging of bats (Rydell & Baagoe 1996). An experiment carried out at switch-overs from low-pressure sodium (LPS) to LED street lights in Britain concluded that the switch-over did not affect the activity (number of bat passes), or the proportion of passes containing feeding buzzes, of those bat species typically found in close proximity to street lights in suburban environments in Britain (Rowse et. al. 2016). Studies focussing on invertebrates however, have shown that LED lights are attractive to flying and ground based invertebrates and therefore are likely to have a detrimental impact on invertebrate populations (Pawson and Bader 2014; Davies et. al. 2017).

2.1.4 In order to determine the value of the road to bats and then determine if there will be any future impacts on bats as a result of the changeover to LED lamps, a bat activity survey prior to the changeover was undertaken in 2016 to establish a baseline. This report summarises the results of the survey which was replicated in 2017 i.e. post-changeover to inform an assessment of any impacts and guide mitigation if necessary.

2.2 Site description, location and context

- from the Rackstraws crossroads (junction with Yorktown Road) to the roundabout at the entrance to the Shepherd Meadows. The road is situated within Sandhurst and is bordered by a residential estate to the north and east, and Shepherd Meadows and Sandhurst Memorial Park to the south and west. The paired bat activity routes chosen were the Marshall Road stretch identified for LED changeover in 2016, and a route running parallel to the road within Shepherd Meadows and Sandhurst Memorial Park.
- 2.2.2 In local context, the area is relatively urban dominated by residential development immediately to the north. The River Blackwater flows through Shepherd Meadows to the south, and with neighbouring species rich grassland woodland, forms a wildlife corridor important for a range of flora and fauna, including bats. A large part of the Meadows is of national importance for wildlife reflected in its designation as a Site of Special Scientific Interest (SSSI). This land has also been designated as a Biodiversity Opportunity Area by Bracknell Forest Borough Council recognising its importance and potential for biodiversity enhancement.

2.3 Legislative background

- 2.3.1 All British bat species are protected by the Wildlife & Countryside Act 1981 (as amended) and by the Conservation of Habitats and Species Regulations 2010 ('Habitat Regulations'). In summary, the legislation combined makes it an offence to:
 - Damage or destroy a breeding site or resting place or intentionally or recklessly obstruct access to a structure or place used for shelter by a bat;
 - Deliberately, intentionally or recklessly disturb bats; in particular any disturbance which is likely to impair the ability of bats to survive, breed

- or reproduce or nurture their young; or in the case of hibernating or migrating bats, to hibernate or migrate; or to affect significantly the local distribution or abundance of the species;
- Deliberately kill, injure or take any bat.
- 2.3.2 The government's statutory conservation advisory organisation, Natural England, is responsible for issuing European Protected Species licences that would permit activities that would otherwise lead to an infringement of the Habitat Regulations. A licence can be issued if the following three tests have been met:
 - Regulation 53(9)(a) there is "no satisfactory alternative" to the derogation, and;
 - Regulation 53(9)(b) the derogation "will not be detrimental to the maintenance of the population of the species concerned at a favourable conservation status in their natural range" and;
 - Regulation 53(2)(e) the derogation is for the purposes of "preserving public health or public safety or other imperative reasons of overriding public interest, including those of a social or economic nature and beneficial consequences of primary importance for the environment".

2.4 Report format

2.4.1 There follows: details of the survey method in Section 3; survey findings in Section 4; a discussion of the survey findings and recommendations in Section 5. The appendices present: the bat activity survey plans (Appendix 1); analysis of static detector survey data (Appendix 2); analysis of transect survey data (Appendix 3); analysis of all bat activity data combined from 2016 and 2017 (Appendix 4); analysis of all transect data combined from 2016 and 2017 (Appendix 5), location of static detectors (Appendix 6); raw transect detector survey data (Appendix 7); and raw static detector survey data (Appendix 8).

3 SURVEY METHODS

3.1 Bat activity transect survey

- 3.1.1 A bat activity transect survey was carried out on Marshall Road in Sandhurst covering the length of the road where the lighting had been switched from high pressure sodium (HPS) lights to LED lights. A preliminary survey was carried out in 2016 prior to the changeover of lights and in order to determine if the planned changeover will affect bats, the survey was repeated at the same time during the summer of 2017.
- **3.1.2** To allow for statistical comparison of any the data, the transect route was paired with a second transect route of the neighbouring Shepherd Meadows.
- 3.1.3 The transect surveys were carried out on the 7th June, 26th June and 1st
 August 2017. The surveys were carried out by walking paired transect
 routes subdivided into nine fixed listening points. Each transect route was
 walked once from beginning to end, and then again in reverse. The transect
 route was walked from sunset until two hours after sunset and the surveyors
 recorded bat activity at each listening point for five minutes during the
 course of the surveys. The transect survey routes were designed to be as
 parallel to each other as possible.
- **3.1.4** Each activity transect survey was carried out using an Anabat Express detector in conjunction with a Batbox Duet detector to assist with identification of bat calls in the field. The Anabat recordings were later analysed using the AnalookW computer package.

3.2 Static detector survey

- 3.2.1 The transect surveys were complemented by static detector surveys. An Anabat Express detector was deployed for five consecutive nights during the following periods: 8th 12th June 2017, 27th June 1st July 2017 and 2nd 6th August 2017 at one location on each transect route. The detectors were deployed at the same locations and heights each time and the detector locations are shown on the plan in Appendix 6.
- **3.2.2** The data recorded by the static detectors was analysed using the AnalookW software package allowing calls to be assigned to species or genus where

possible. The total number of recordings per night was used as an indication of bat activity on any given night resulting in 15 samples per year for statistical analysis using non-parametric tests (Wilcoxon Signed Rank and Mann-Winey U tests) within the XLSTAT software package.

3.3 Survey Constraints

3.3.1 The surveys were carried out throughout the optimal survey season. Most of the surveys were carried out in conditions suitable for recording bats, i.e. dry, fine and with temperatures above 8°C and full access was available to the site and therefore there were no significant survey constraints.

4 BAT ACTIVITY SURVEY FINDINGS

4.1 Bat transect survey findings (Marshall Road) – 7th June

4.1.1 During the bat activity transect survey along Marshall Road on 2nd June 2017, common pipistrelle (Pipistrellus pipistrellus), soprano pipistrelle (Pipistrellus pygmaeus) and noctule (Nyctalus noctula) bats were recorded. Five soprano pipistrelle bats, one common pipistrelle bats and a noctule bats were recorded between 21:21 and 21:50 during the typical emergence time for pipistrelle bats. The first pass was a noctule bat recorded but not seen at 21:21. Three soprano pipistrelle bats were seen flying from the houses to the north and east, flying directly into Shepherd Meadows; and were likely to have emerged from houses in the residential estate. Three passes were recorded but unseen by soprano pipistrelle bats. One common pipistrelle bat was seen flying from Shepherds Meadows towards the houses to the north. No further commuting or foraging behaviour was recorded until the end of the survey. There was no behaviour indicative of bats avoiding the lighting and those seen flying across the road were recorded flying underneath the lighting. There were no visible interactions between bats and the lighting. Overall the amount of bat activity was low with only 9 passes recorded in total.

4.2 Bat transect survey findings (Shepherd Meadows) – 7th June

4.2.1 During the bat activity transect survey in Shepherd Meadows on 7th June 2017, common and soprano pipistrelle bats, serotine (*Eptesicus serotinus*), noctule, a *Nyctalus* species and a *Myotis* bat species were recorded. Soprano pipistrelle and common pipistrelle were the most frequently recorded bat species with marginally more soprano pipistrelle bats recorded. The earliest bat recorded was a noctule at 21:20 during the typical emergence time, which was followed by fifteen more passes by a noctule which was foraging over the grassland at listening point 2. Both common and soprano pipistrelle bats were recorded from approximately thirty minutes after sunset. The majority of bats were recorded but not seen indicating the bats were using the hedgerows and trees along the transect route. The activity was fairly consistent throughout the survey and foraging activity significantly increased along the river corridor and over the lake at listening points 5, 6, 12 and 13. The serotine and *Myotis* were recorded but not seen

at listening point 13. Overall the amount of bat activity was moderate with 114 bat passes recorded in total.

4.3 Bat transect survey findings (Marshall Road) – 26th June

During the bat activity transect survey along Marshall Road on 26th June 4.3.1 2017, only common pipistrelle, soprano pipistrelle and noctule bats were recorded. The earliest bat recorded was an unseen noctule at 21:42 approximately twenty minutes after sunset. A second noctule pass was recorded but not seen at listening point 12 at 22:49. The earliest pipistrelle bats were soprano pipistrelle bats recorded at 21:44 and 21:49, and two unidentified pipistrelle bats recorded at 21:59, all flying from the houses and into Shepherds Meadows; all were likely to have emerged from houses in the residential estate. Occasional common and soprano pipistrelle bat activity was then recorded until the end of the survey and confirmed foraging was recorded at listening point 7 by a common pipistrelle foraging in a tree next to the lamp post. Unseen foraging was also confirmed at points 9, 11, 12, 13, and 14 along the tree-lined edge of the park and between points 10 and 11, and between points 12 and 13. There was no behaviour indicative of bats avoiding the lighting, and there were no visible interactions between bats and the lighting. Overall the amount of bat activity was more than double than the previous survey in early June with 23 passes recorded in total.

4.4 Bat transect survey findings (Shepherd Meadows) – 26th June

4.4.1 During the bat activity transect survey in Shepherd Meadows on 26th June 2017, noctule, common pipistrelle, soprano pipistrelle, unidentified pipistrelle bat species, and Daubenton's (*Myotis daubentonii*) bats were recorded. The first bat was a noctule recorded at 21:36. A noctule was then only recorded at 22:57 and 23:08. The earliest pipistrelle bats were common pipistrelle recorded from 21:53 and soprano pipistrelle bats from 21:58. Regular common and soprano pipistrelle bats were recorded during the remainder of the survey, with marginally more common pipistrelle bat records. A Daubenton's bat was recorded foraging over the lake between 22:50 and 22:52 between listening point 12 and 13. Foraging activity was abundant from listening point 12 until listening point 16 (from the lake and along the river corridor). Overall the amount of bat activity was similar than the previous survey in early June with 105 bat passes recorded in total.

4.5 Bat transect survey findings (Marshall Road) – 1st August

4.5.1 During the bat activity transect survey along Marshall Road on 1st August 2017, common pipistrelle, soprano pipistrelle, a pipistrelle bat species, noctule and a *Myotis* bat species were recorded. The first bat recorded was a soprano pipistrelle at 21:09, followed by five more soprano pipistrelle bats recorded between 21:11 and 21:37, a common pipistrelle was recorded at 21:16 and a pipistrelle species was recorded at 21:19, during or not long after the typical emergence time for pipistrelle bats. The bats were all recorded flying from the houses to the north and east, flying directly to Shepherd Meadows; all were likely to have emerged from houses in the residential estate. A noctule was recorded on four occasions between 21:27 and 22:09, recorded at listening points 6 and 11. An individual Myotis bat pass was recorded at 21:51 at listening point 15. No foraging behaviour was recorded, there was no behaviour indicative of bats avoiding the lighting, and there were no visible interactions between bats and the lighting. Overall the amount of bat activity was similar to the previous survey in late June with 21 passes recorded in total.

4.6 Bat transect survey findings (Shepherd Meadows) – 1st August

4.6.1 During the bat activity transect survey in Shepherd Meadows on 1st August 2017, common pipistrelle, soprano pipistrelle, a pipistrelle species, noctule, and Daubentons bats were recorded. A social call was also recorded but the species could not be confirmed. The first bat recorded was a noctule at 21:04. A noctule was then recorded on eight occasions between 21:47 and 22:17 foraging over the fields between listening points 8 and 9, and at listening points 9 and 10. Common pipistrelle bats were the most frequently recorded species with bat activity recorded from 21:21 until the end of the survey. Regular soprano pipistrelle bat activity was recorded from 21:12 until the end of the survey. Overall the amount of bat activity was slightly less than the previous survey in late June with 91 bat passes recorded in total.

4.7 Static detector survey findings (Marshall Road) – 8th – 12th June

4.7.1 The static detector attached to the lamppost recorded common pipistrelle, soprano pipistrelle, pipistrelle species, noctule and Daubenton's bat. A number of social calls were also recorded but the species could not be

common pipistrelle bat was recorded within the first hour after sunset. The records were within or shortly after the typical emergence time for pipistrelle bats providing evidence supporting the likely trend of pipistrelle bats flying across the road from the residential estate and into Shepherd Meadows. There was also a high level of bat activity during the evenings, with regular common pipistrelle and soprano pipistrelle bat activity recorded throughout the surveys across the first four nights suggesting they are using the area nearby for foraging. Bat activity was lower on the fifth night, although the weather was similar to previous nights with light to moderate breeze, no rainfall and an average temperature of between 13 and 16°C. Noctule bats were recorded on the first four surveys but at various times throughout the evenings on each day. Daubenton's bat was recorded on one occasion on the first three evenings and on the fifth evening.

4.8 Static detector survey findings (Shepherd Meadows) –8th – 12th June

4.8.1 The static detector attached to the tree recorded common pipistrelle, soprano pipistrelle, noctule, and a *Myotis* species. Two unidentified social calls were recorded on the forth evening of the survey. Common pipistrelle bats were the most frequently recorded bats, being recorded across the first four evenings but several hours after the typical emergence time. Soprano pipistrelle bats were recorded in the typical emergence on the first and fifth survey evenings and then occasionally throughout all of the evenings. Noctules were recorded on all five of the survey evenings and were the first bats recorded on four out of the five surveys; however they were not recorded close to the typical re-entry time. One *Myotis* was recorded on the fifth survey.

4.9 Static detector survey findings (Marshall Road) – 27th June – 1st July

4.9.1 The static detector attached to the lamppost recorded common pipistrelle, soprano pipistrelle, noctule, a *Nyctalus* species, a *Myotis* species, and Daubenton's bat. A number of social calls were also recorded but the species could not be confirmed. The first night was very quiet with only two bat records in total for a common pipistrelle at 2:24 and a soprano pipistrelle at 4.15. Across the next three evenings, at least one soprano pipistrelle or common pipistrelle bat was recorded within the first hour after sunset. There was a high level of bat activity during the last four evening surveys, with

regular common pipistrelle and soprano pipistrelle bat activity recorded throughout the surveys, although it was lower than the previous survey in early June apart from the fifth evening which had a high number of calls with 756 recorded in total. Noctules were recorded on the last three surveys and a *Nyctalus* sp. was recorded on the second and forth evenings, but the calls were all at various times throughout the evenings on each day. Daubenton's bats were recorded on one occasion on the second evening and *Myotis* bats were recorded on the second, fourth and fifth evenings.

4.10 Static detector survey findings (Shepherd Meadows) – 27th June – 1st July

4.10.1 The static detector attached to the tree recorded common pipistrelle, soprano pipistrelle, noctule, serotine and a *Myotis* species. Common pipistrelle bats were the most frequently recorded bats, being recorded across the second, third and fifth evenings, being recorded on two evenings within an hour of sunset and then occasionally throughout the survey. Soprano pipistrelle bats were recorded within an hour of sunset on the second, third and fourth evening and slightly later on the fifth evening and then occasionally throughout all of the last four evenings. Noctules were recorded on all five of the survey evenings and they were the first bats last bats recorded close to re-entry time on all of the surveys. *Myotis* were recorded on all of the surveys with at least one and a maximum of 3 calls recorded per night. One serotine pass was recorded on the fifth survey.

4.11 Static detector survey findings (Marshall Road) – 2nd – 6th August

4.11.1 The static detector attached to the lamppost recorded common pipistrelle, soprano pipistrelle, Nathusius' pipistrelle (*Pipistrellus nathusii*), noctule, a *Nyctalus* species, a *Myotis* species, and Daubenton's bat. A number of social calls were also recorded on all evenings but the species could not be confirmed. Consistently across the five nights, at least one soprano or common pipistrelle was recorded within the typical emergence time and within the typical re-entry time for those species, providing further evidence supporting the likely presence of roosting bats in the nearby residential estate. There was a high level of bat activity during all of the evening surveys, with regular common pipistrelle and soprano pipistrelle bat activity recorded throughout the surveys. A Nathusius' pipistrelle was recorded once during the middle of the night on the fourth survey. Noctule bats were

recorded on all five of the survey evenings within an hour from sunset and sunrise, and they were the first and last bats recorded on three of the surveys. A *Nyctalus* was recorded on the fifth evening. Daubenton's bats were recorded on a couple of occasions on all surveys apart from the third evening. A *Myotis* bat was recorded on the third evening.

4.12 Static detector survey findings (Shepherd Meadows) – 2nd – 6th August

4.12.1 The static detector attached to the tree recorded common pipistrelle, soprano pipistrelle, a pipistrelle species, noctule, and a Myotis species. Common pipistrelle bats were the most frequently recorded bats, being recorded across the first, second and fifth evenings, and being recorded on the first evening within an hour of sunset and then occasionally throughout the surveys. Soprano pipistrelle bats were recorded within an hour of sunset on the first and second evenings and then occasionally throughout the surveys. Noctules were recorded on all five of the survey evenings and they were the first bats last bats recorded close to re-entry time on all of the surveys apart from in the evening of the fifth survey, indicating potential roosting sites nearby. Myotis were recorded on the second survey.

4.13 Transect survey results overview

- 4.13.1 The transect survey results show little variation in species distribution, and diversity across the three surveys. Soprano pipistrelle was the most recorded bat species when all bat calls were combined for the Marshall Road transect surveys. Individually across each survey it was the most recorded species during Transect Surveys 1 and 3 but only 5 soprano pipistrelle bats were recorded on transect survey 2 compared to 9 common pipistrelle and 7 pipistrelle calls. There were a total of 11 unidentified pipistrelle species bat calls across the three surveys on the Shepherd Meadows transect. Bat activity was relatively low on the first survey in early June with the number of calls totalling 9, increasing to the highest number of calls in late June with 23 and a slight reduction in August with 20 calls.
- 4.13.2 The common pipistrelle bat was the most recorded bat species when all bat calls were combined for the Shepherd Meadows transect surveys. Individually across each survey it was the most recorded species during Transect Surveys 2 and 3 but 38 passes were recorded during Transect Survey 1 in comparison to 42 common pipistrelle bat passes. There were a

total of 9 unidentified pipistrelle bat species calls across the three surveys on the Marshall Road transect. Bat activity peaked in early June with a total of 114 bat call recordings during the transect survey at Shepherd Meadows, and was at its lowest in early August, with a total of 91 bat calls recorded.

- 4.13.3 The noctule bat was recorded on all of the surveys on the Shepherd Meadows transect route and on the Marshall Road transect route, with a peak in early June with a total of 31 bat call recordings during the transect survey at Shepherd Meadows. A *Myotis* bat was recorded only on one occasion in early June and August on the Shepherd Meadows transect. Daubenton's bats were recorded on one occasion in late June and on three occasions in August on the Shepherd Meadows transect. A serotine was recorded only on one occasion in early June on the Shepherd Meadows transect. A *Nyctalus* was recorded only on one occasion in late June on the Shepherd Meadows transect. There was one unidentified social call recorded on the Shepherd Meadow transect in the August transect. In total, 52 bat calls of three bat species were recorded during the Marshall Road transect surveys, and 311 bat calls of seven bat species were recorded during the Shepherd Meadows transect surveys.
- 4.13.4 When all the data is combined for the transect surveys, at least seven bat species were identified and a total of 363 bat calls were recorded. The recordings were split as follows: 42% common pipistrelle, 36% soprano pipistrelle 6% unidentified *Pipistrellus sp.*, 14% noctule, 0.5 % *Myotis*, 1% Daubenton's bat, 0.3% Serotine, 0.3% *Nyctalus* sp. and 0.3% unidentified bat.

4.14 Static detector results overview

4.14.1 Common pipistrelle bat was the most recorded bat species on both static detectors during all of the deployment periods. The static detector at Shepherd Meadows and Marshall Road had a number of unidentified social calls which were largely pipistrelle calls, with a peak during the early August survey. Overall at least eight bat species were recorded on both static detectors. The common pipistrelle, soprano pipistrelle, Nathusius' pipistrelle noctule, Daubenton's bat, a *Myotis* species and *Nyctalus* species were recorded at the Marshall Road static detector. The common pipistrelle, soprano pipistrelle, noctule, a *Myotis* species, and serotine bat were recorded at the Shepherd Meadow detector.

5 ANALYSIS OF DATA

5.1 Bat activity – comparison of 2016 and 2017 static data

- frequently recorded species and dominated the static detector recordings with both species accounting for 95% of all the calls recorded. The dominance of these species within the recordings continued in 2017 with them combined accounting for 94% of all of the static recordings. In 2016, soprano pipistrelle was the most recorded species during the transect surveys; however, the number of common pipistrelle bat recordings from the static detector was slightly higher that year. In 2017, the pattern continued to be the same. Noctule was the third most abundant species accounting for 4% of the call total in 2016 and 3% in 2017. Daubenton's bat calls were 1% of the total number of calls in both 2016 and 2017. The other species recorded i.e. Nathusius' pipistrelle, *Myotis* sp., serotine, and unidentified species each accounted for less than 1% of the calls recorded in 2016 and 2017 (Appendices 2 and 3).
- 5.1.2 Comparison of the static data shows that the total number of calls recorded on Marshall Road in 2016 was lower than the number of calls recorded at Shepherd Meadows (943 and 1865 calls respectively). Analysis of the data shows that there is not a statistically significant difference however (Wilcoxon Signed Rank Test; N=15; df=0.05; p=0.561). In 2017, the data showed a reversed pattern i.e. an increased number of calls recorded on Marshall Road than in Shepherd Meadows (4561 and 555 respectively). Statistical analysis of the data shows that this difference is significant (Wilcoxon Signed Rank Test; N=15; df=0.05; p=0.0002).
- 5.1.3 Comparison of the total number of calls recorded at both static detectors combined showed that there was an increased number of calls recorded in 2017 (5116 calls) than in 2016 (2808 calls); however, this difference was not statistically different (Mann-Witney U Test; N=15; df=0.05; p=0.14). When, the comparison between the 2016 and 2017 data is made for the Shepherd Meadows detector only, the decrease in the number of calls from 2016 (1865 calls) to 2017 (555 calls) is not.
- **5.1.4** The 2017 static data shows variation in the number of calls recorded for different species. There was a statically significant increase in the number

of calls by common pipistrelle (Wilcoxon Signed Rank Test; N=15; df=0.05; p=<0.0001) and soprano pipistrelle (Wilcoxon Signed Rank Test; N=15; df=0.05; p=0.001) on the Marshall Road static detector when compared with the data from Shepherd Meadows.

- Analysis of the static data from 2016 (adjusting for the malfunction of one detector at Shepherd Meadows in June 2016) shows a reversed pattern for common pipistrelle i.e. that there was a higher number of common pipistrelle calls at Shepherd Meadows than on Marshall Road, although this was not statistically significant (Wilcoxon Signed Rank Test; N=15; df=0.05; p=0.074). Soprano pipistrelle calls were more abundant on Marshall Road compared with Shepherd Meadows in 2016; however the difference was not statistically significant (Wilcoxon Signed Rank Test; N=15; df=0.05; p=0.139).
- 5.1.6 Other species accounting for at least 1% of the calls recorded i.e. noctule and Daubenton's bat showed variation between 2016 and 2017. In 2016, there were no significant differences between the number of noctule calls (Wilcoxon Signed Rank Test; N=15; df=0.05; p=0.261) or Daubenton's bat calls (Wilcoxon Signed Rank Test; N=15; df=0.05; p=1) recorded at each detector; however in 2017, noctule calls were more abundant at the Shepherd Meadows detectors than at the lamppost (Wilcoxon Signed Rank Test; N=15; df=0.05; p=0.002), whereas Daubenton's bat calls were more abundant on Marshall Road (Wilcoxon Signed Rank Test; N=15; df=0.05; p=0.004).

5.2 Species richness

5.2.1 Common and soprano pipistrelle bats were the most frequently recorded bat species and most widely recorded across the site during each transect survey in 2016 and this pattern continued in 2017. At least eight species were recorded by both static detectors matching the distribution of species recorded in 2016.

5.3 Patterns of bat behaviour

- 5.3.1 The transect survey findings in 2017 showed similar patterns of bat activity to the findings in 2016. No specific interactions between bats and lighting were noted during the transect surveys in 2016 or 2017 and some foraging activity by pipistrelle bats was recorded on Marshall Road during transects in each year.
- 5.3.2 Common and pipistrelle bats were recorded flying from the residential housing estate across Marshall Road towards Shepherd Meadows in 2016 indicating the likely emergence of bats from nearby roosts. This behaviour was recorded also in 2017 suggesting no change in behaviour as a result of the lighting change.

6 DISCUSSION

6.1 Conservation importance of species recorded

- 6.1.1 Common pipistrelle and soprano pipistrelle i.e. the most frequently recorded species on site are both widespread and relatively abundant throughout the UK (Richardson 2000). Nathusius' pipistrelle was recorded during the deployment of the static detectors in early June on both routes. Based on limited distribution data the species is relatively uncommon but the understanding of their UK distribution is increasing with more recent survey effort; one of the highest concentrations of the species identified to date has been in London and the southern counties and are usually associated with waterbodies. Nathusius' pipistrelle is migratory and this may account for the recording earlier in the survey season.
- 6.1.2 There are two species of long-eared bats: grey long-eared (Plecotus austriacus) and brown long-eared bat (*Plecotus auritus*). The grey long eared bat is rare and has a distribution restricted mainly to the south coast, whereas the brown long-eared bat is widespread and common throughout the UK (Richardson 2000). It is considered likely therefore that the brown long-eared bat would be the species recorded on site.
- 6.1.3 The noctule bat is a widespread species recorded across England, the serotine bat has a range restricted to the southern half of the UK and the Leisler's bat is the least commonly occurring of the larger bat species recorded with a distribution restricted mainly to southern and central parts of England (Richardson 2000). The serotine's distribution is more restricted to the south and south-east of England (Richardson 2000).
- 6.1.4 The Daubenton's bat is the most widely distributed genus of the *Myotis* species (Richardson 2000) and is typically connected to waterbodies or watercourses. All *Myotis* bats are light-sensitive and have been shown to actively avoid lit areas.
- **6.1.5** Of the recorded bats species (identified to species level) none are of special conservation importance i.e. not listed on Annex II of the Habitats Directive.

6.2 Bat activity patterns

- 6.2.1 The increase in the total number of common and soprano pipistrelle calls recorded on Marshall Road, following the change from high pressure sodium (HPS) lamps to LED lamps, when there was no corresponding significant change in activity recorded in the paired detector in the neighbouring Shepherd Meadows, or significant difference between the paired results in 2016, suggests that Marshall Road has become more favourable to the pipistrelle species following the installation of LED lighting.
- 6.2.2 The data gathered does not provide sufficient information to determine the reason for this change but there are three potential hypotheses: 1. The LED lights have less impact on natural patterns of bat activity than the HPS lights allowing bats to utilise habitats along Marshall Road they were formerly excluded from; or 2. that the LED lights increase the foraging success of bats and attract bats away from other habitats to feed; or 3. that the LED lights have the combined effect of allowing bats to utilise formerly unused areas and lead to some increase in foraging success. Consideration of these hypotheses, taking into account other published studies, is considered as follows:
- has shown no significant change in the amount of bat activity around LED streetlights when compared with low pressure sodium (LPS) street lighting. A study comparing mercury vapour (MV) street lights with LED lights has shown a decreased abundance of common pipistrelle around LED lights. An earlier study by the University of Bristol has shown that light adverse species: lesser horseshoe (*Rhinolophus hipposideros*) and *Myotis* spp. avoid LED streetlights but these have no impact on faster flying species including the *Pipistrellus* spp. and *Nyctalus* spp. (Stone *et. al.* 2012).
- 6.2.4 Studies comparing insect abundance and bat activity around LED lights when compared with HPS provide conflicting findings. A study in New Zealand comparing insect abundance at HPS and LED lights showed that there was a 48% increase in the number of insects captured at LED lights compared with HPS lights (Pawson and Bader 2014). A study by Exeter University has shown that LED lights of varying spectral ranges and intensities affect the structure and composition of assemblages of ground-

dwelling invertebrates (Davies *et. al.* 2017). Reducing the light intensity and switching lights off for a period every night between midnight and 4am resulted in reduction in the impact on the assemblages.

6.2.5 The increase in pipistrelle activity following the switch to LED lights suggests that the lights are not a deterrent to these species and have a positive impact on their use of Marshall Road. The HPS lights have been shown to be used by foraging bats from species such as the Pipistrellus spp. (Rydell and Baagoe 1996) and therefore the increase in bat numbers following the switch to LED lights is perhaps less likely to be a consequence of increased foraging around the lighting and possibly a consequence of bats accessing habitats from which they were formerly deterred from, perhaps as a consequence of the more focussed light provided by the LED lamps when compared with the HPS lamps (refer to light spillage comparison plans in Appendix 9). Although a small sample, the significant increase in the recordings of Daubenton's bat (a member of the light averse *Myotis* genus) on Marshall Road supports the hypothesis that the LED lights are encouraging a more natural distribution of activity; a pattern supported by other studies (e.g. Rowse et. al. 2016). Some increase in foraging success around the LED lamps cannot be discounted however, with studies indicating invertebrate assemblages are attracted to LED more than HPS lamps. Although not statistically significant, there was a decrease in bat activity recorded on Shepherd Meadows in 2017, which could indicate a movement of bats towards the streetlight from other foraging areas. It seems most likely that the results showing increasing in abundance along Marshall Road are a combination of a decreased deterrence by lighting and some increase in foraging success around the lights.

7 CONCLUSIONS AND RECOMMENDATIONS

- 7.1.1 The surveys have shown an increase in bat activity including by one of the more light sensitive species along Marshall Road after the switch from HPS to LED streetlights with no correspondingly significant declines in bat activity elsewhere and therefore the change appears not to have had a detrimental impact on local bat populations matching other studies in the UK.
- 7.1.2 Care should be taken however to consider the wider ecological implications of the lighting. It is possible that the increase in bat activity noted is an artificial consequence of the lights attracting invertebrates and therefore changing natural patterns of invertebrate distribution in the adjoining open space of Shepherd Meadows. Such changes in invertebrate assemblages have been shown elsewhere, and would have a long term detrimental impact on ecological value of the Meadows. Studies have shown that reductions in light intensity and having periods of when the lights are off during the night lessens impacts on invertebrates, and in turn, would lessen any artificial changes in the distribution of bat foraging activity. Consideration should therefore be given to taking such measures on roads adjoining areas of semi-natural habitats supporting bat populations.

8 REFERENCES

Collins, J. (ed.) (2016). *Bat Surveys for Professional Ecologists – Good Practice Guidelines 3rd Edition*. Bat Conservation Trust, London.

Davies, T.W., Bennie, J., Cruse, D., Blumgart, D., Inger, R., & Gaston, K. J. (2017). Multiple night-time light-emitting diode lighting strategies impact grassland invertebrate assemblages. *Global Change Biology* **23**(2641-2648).

Fure, A. (2006). Bats and lighting. The London Naturalist. No. 85,

Jones, J. (2000). *Impact of lighting on bats*. Bat Conservation Trust, London.

Lewanzik, D. and Voigt, C.C. (2017). Transition from convention to light-emitting diode street lighting changes activity of urban bats. *Journal of Applied Ecology*, **54**: 265-271.

Mitchell-Jones, A. J. (2004). *Bat Mitigation Guidelines*. English Nature, Peterborough.

Mitchell-Jones, A. J. & McLeish, A. P. (2004). *Bat Workers' Manual (3RD Edition)*. JNCC, Peterborough.

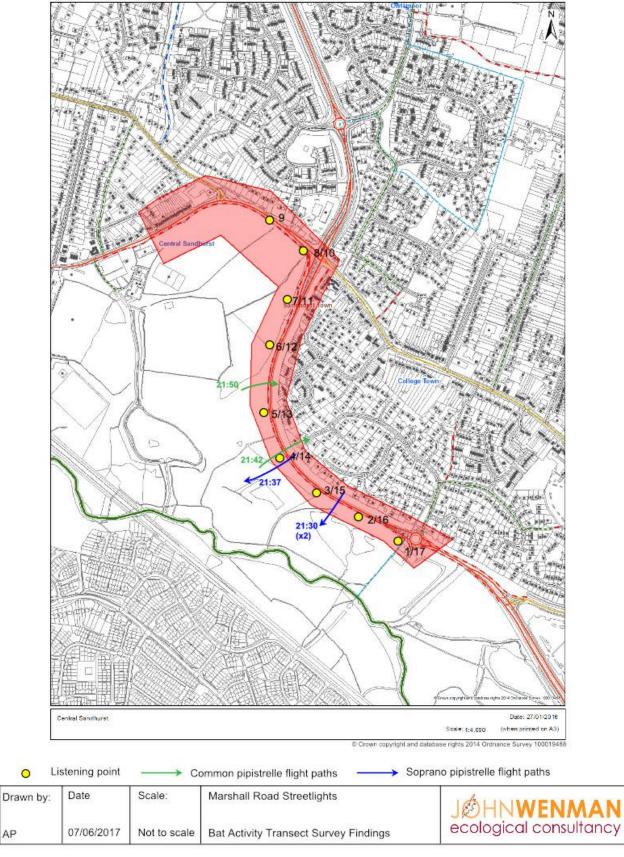
Richardson, P. (2000). *Distribution Atlas of Bats in Britain and Ireland 1980* – 1999. Bat Conservation Trust, London.

Rowse, E. G., Harris, S., & Jones, G. (2016). The Switch from Low-Pressure Sodium to Light Emitting Diodes Does Not Affect Bat Activity at Street Lights. *PLoS ONE*, **11**(3).

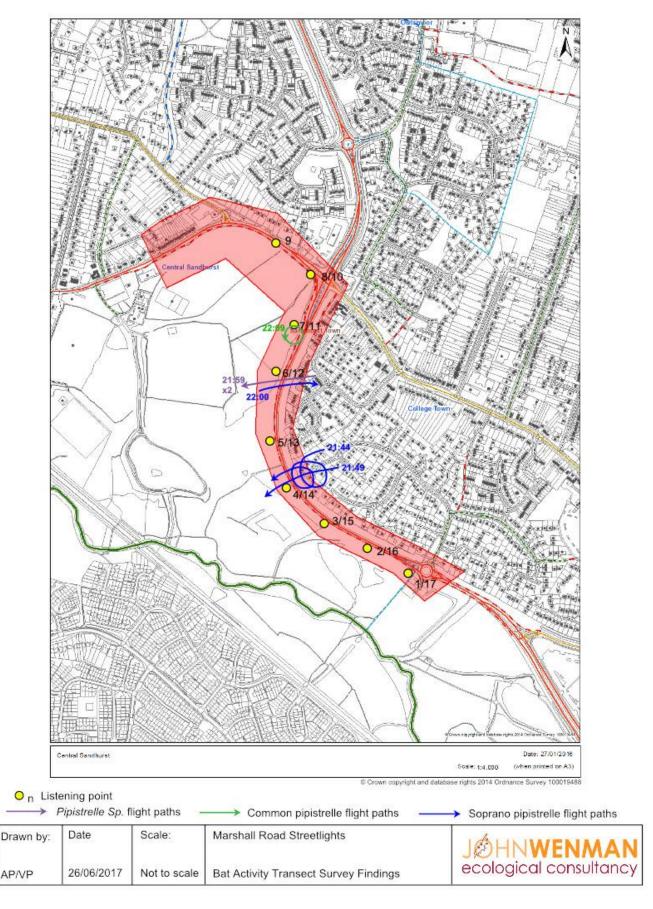
Rydell, J. & Baagoe, H.J. (1996) *Bats and streetlamps*. The Bats Magazine, 14, 10-13.

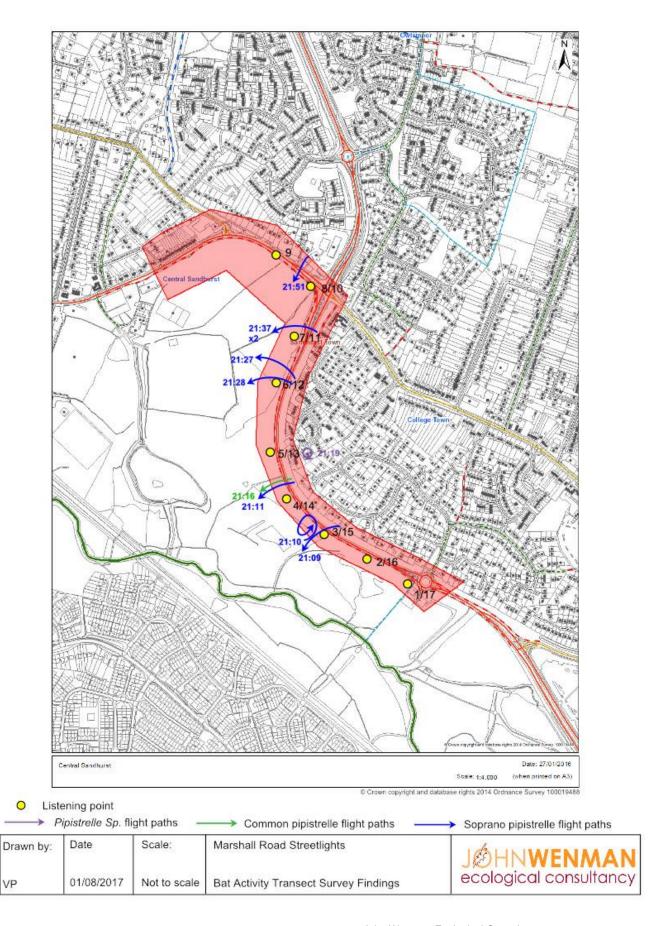
Stone, E. L., Jones, G. & Harris, S. (2012). Conserving energy at a cost to biodiversity? Impacts of LED lighting on bats. *Global Change Biology* **18**(2458-2465).

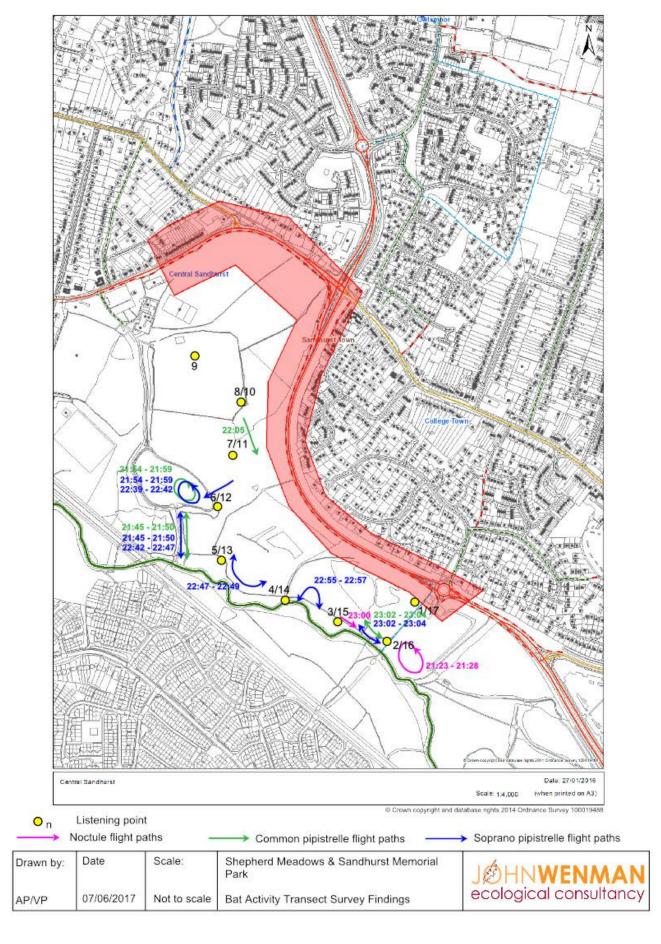
APPENDIX 1 - BAT ACTIVITY SURVEY PLANS

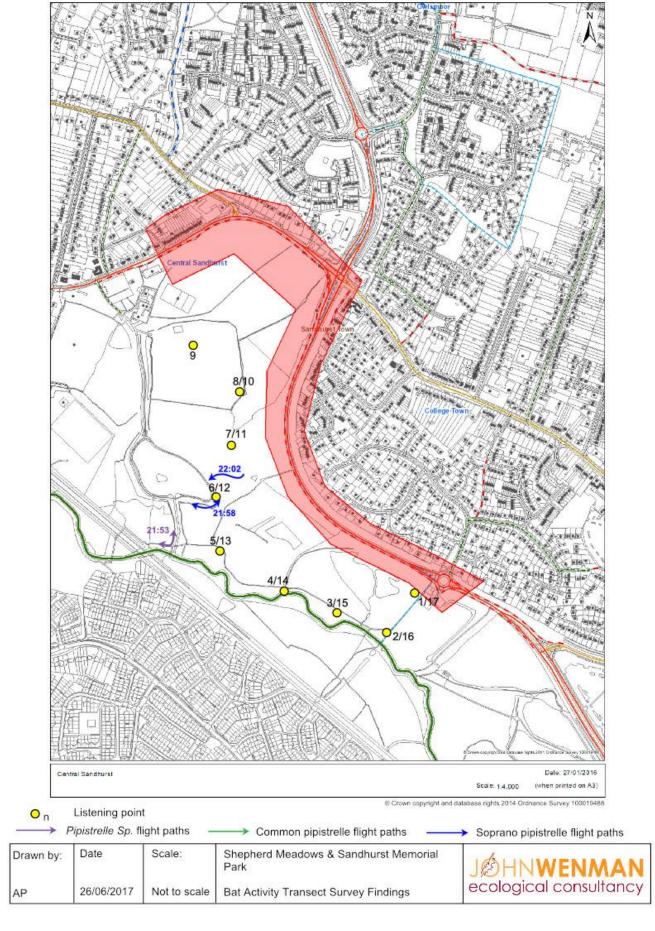


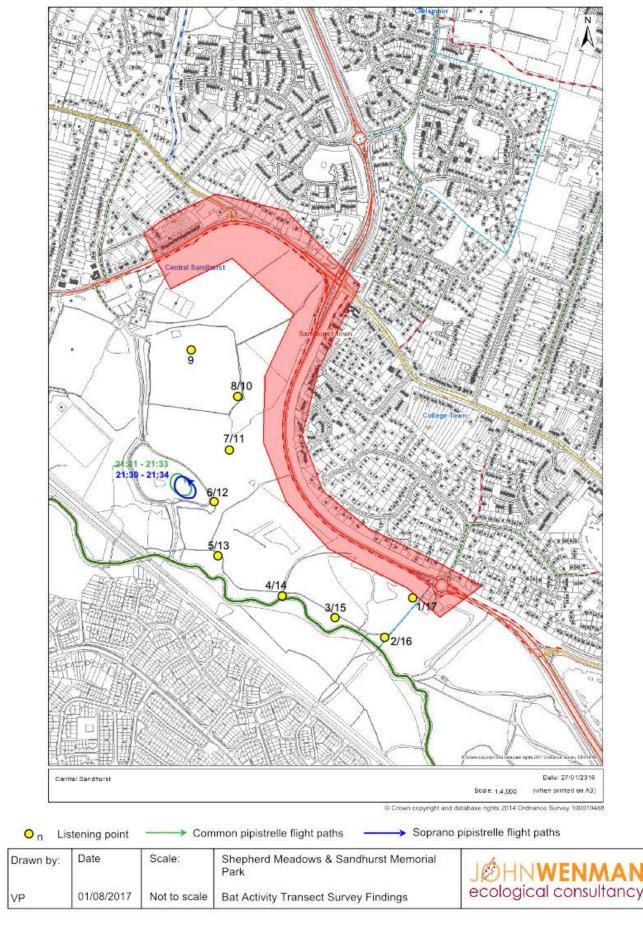
ΑP



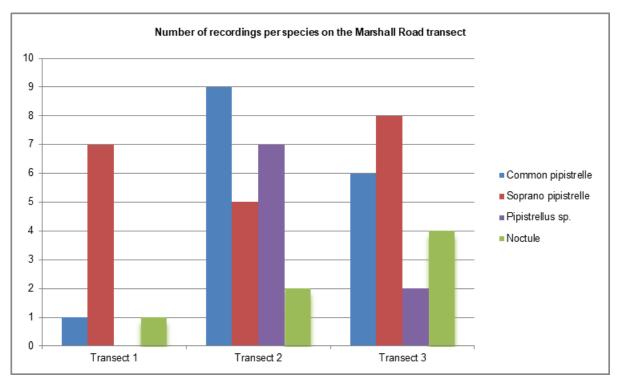


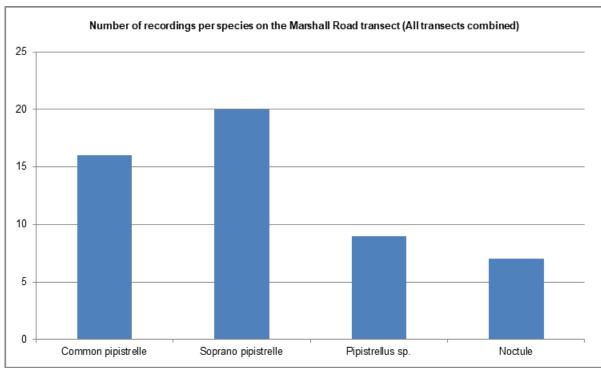


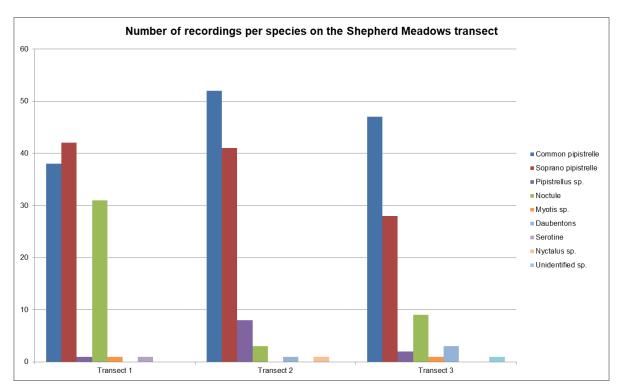


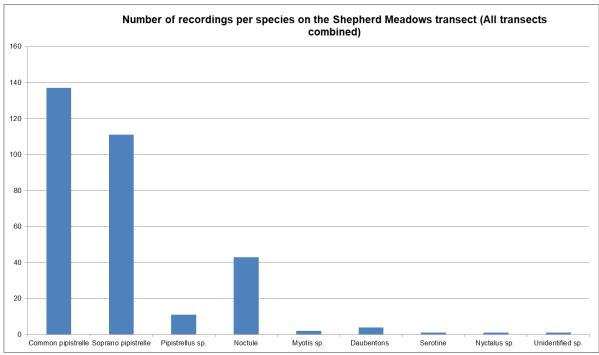


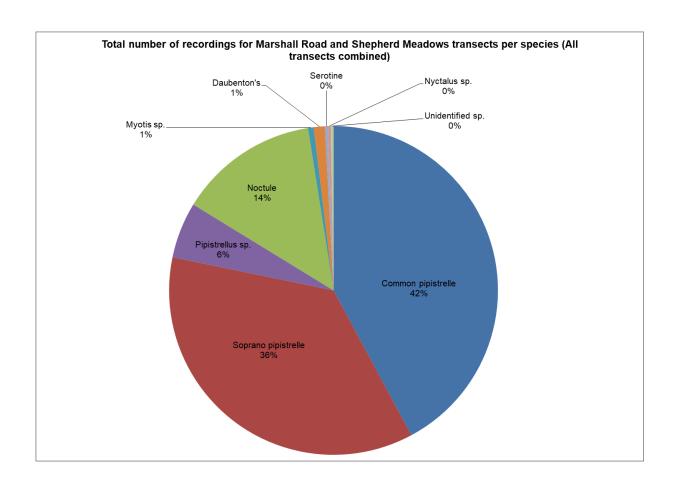
APPENDIX 2 - ANALYSIS OF TRANSECT SURVEY DATA FROM 2017



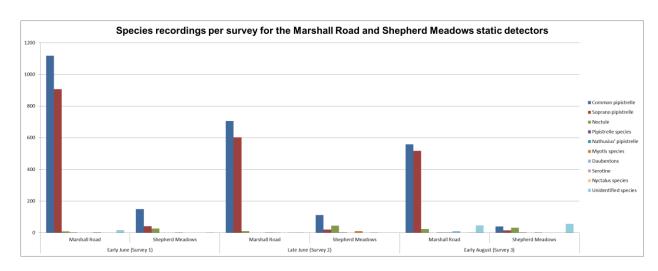


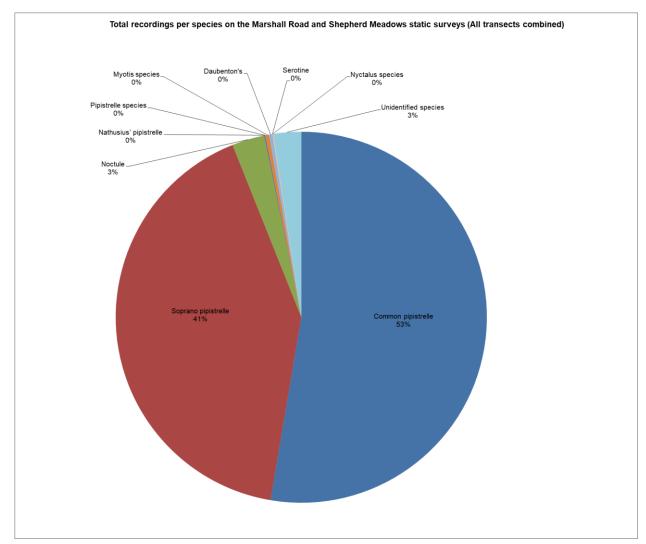




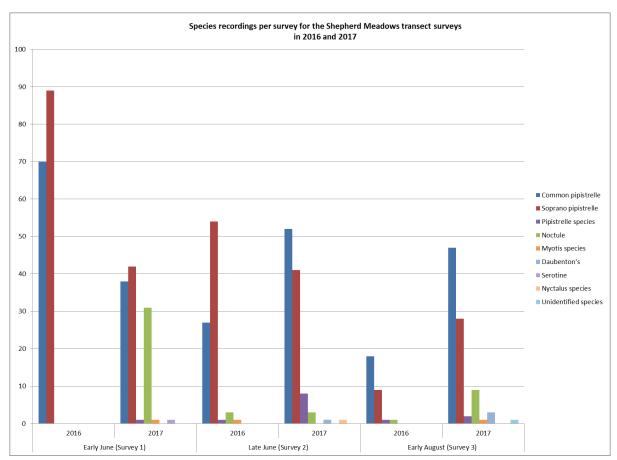


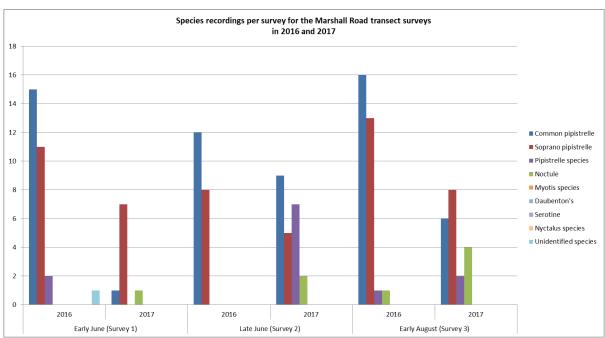
APPENDIX 3 - ANALYSIS OF STATIC DATA COLLECTED IN 2017

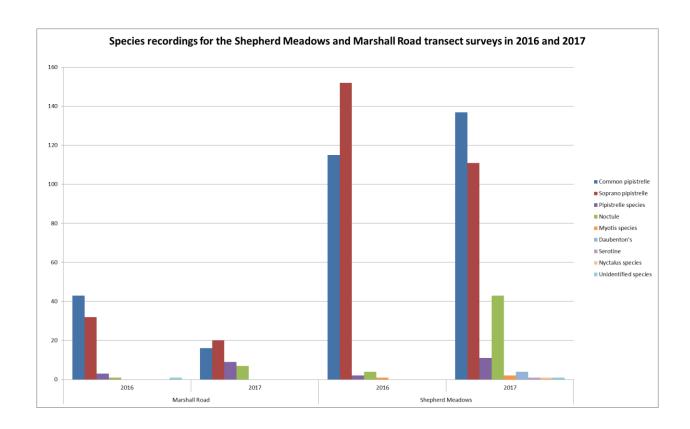




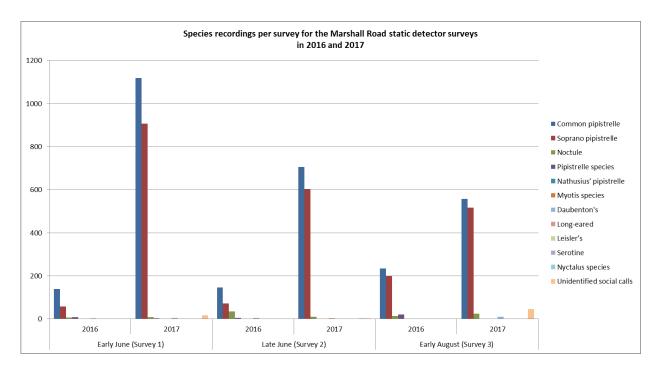
APPENDIX 4 - ANALYSIS OF TRANSECT DATA COLLECTED FROM 2016 AND 2017

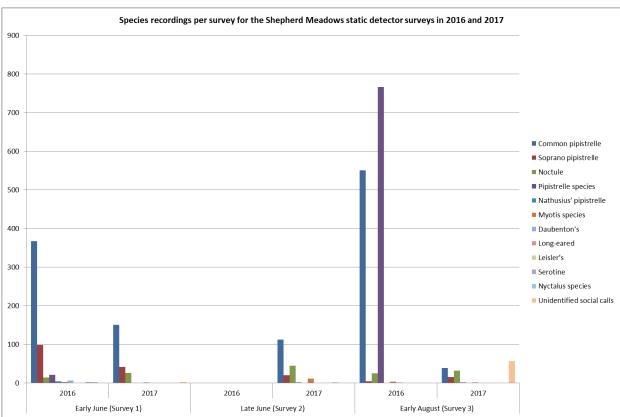






APPENDIX 5 - ANALYSIS OF STATIC DATA COLLECTED FROM 2016 AND 2017





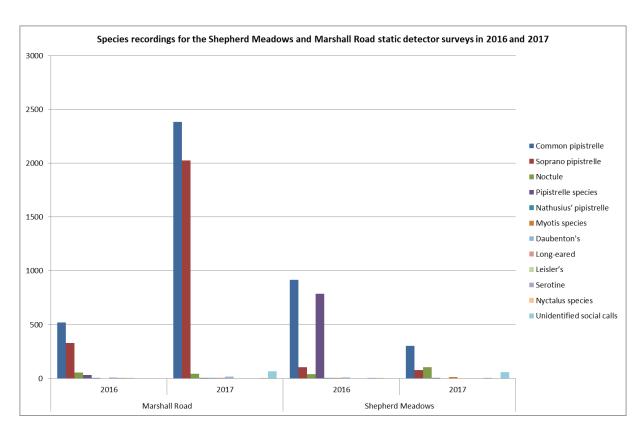
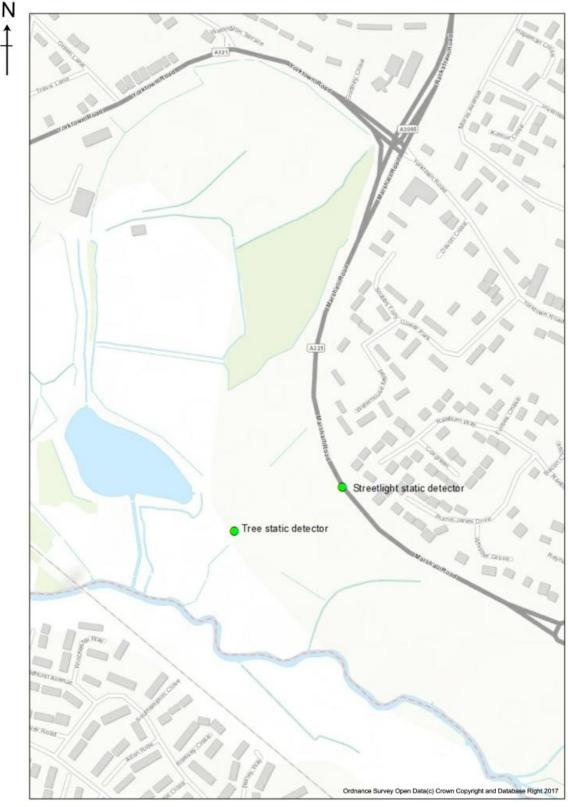


Table - Total numbers of bat calls per day for each static detector

Date	Total number	of bat calls per	night per static detec	tor		
	Marshall Rd (2016)	Marshall Rd (2017)	Shepherd Meadows (2016)	Shepherd Meadows (2017)	Total (2016)	Total (2017)
Early June	38	343	80	14	118	357
Early June	17	620	0	28	17	648
Early June	41	596	52	40	93	636
Early June	45	480	118	128	163	608
Early June	72	18	266	11	338	29
Late June	70	2	0	11	70	13
Late June	43	53	0	25	43	78
Late June	50	366	0	55	50	421
Late June	66	173	0	13	66	186
Late June	31	752	0	86	31	838
Early August	85	310	577	29	662	339
Early August	66	269	13	92	79	361
Early August	61	225	43	5	104	230
Early August	164	25	256	9	420	34
Early August	94	329	460	9	554	338
TOTALS PER SURVEY YEAR	943	4561	1865	555	2808	5116

APPENDIX 6 – LOCATION OF STATIC DETECTORS



Drawn by:	Date	Scale:	Shepherd Meadows & Marshall Road Sandhurst	JØHN WENMAN
SM	June 2016	Not to scale	Static Detector Locations	ecological consultancy

APPENDIX 7 - RAW TRANSECT SURVEY DATA

Evening transect survey of Marshall Road – Streetlights on the 7th June 2017

Survey date: 7.6.2017

Surveyor: Steve Foot / Ayla Paul

Detector: Anabat Express

Weather conditions: Dry, breeze, 100% CC, rain near end + gusts; 13°C

Start time: 21:16 Sunset: 21:16 Finish time: 23:16

	Finish time: 23:16						
Transect	Transect	Record	Species	Survey notes			
point	time	Time	Nectula	Door hourd but not as an			
1	21:16 – 21:21	21:21	Noctule	Pass heard but not seen.			
2	21:23 – 21:28			No bats recorded.			
3	21:30 - 21:35	21:30	Soprano pipistrelle	Two bats, commuting pass from houses towards meadows, flying northeast to southwest underneath lights. Likely emergence.			
		21:31	Soprano pipistrelle	Pass heard but not seen.			
4	21:37 – 21:42	21:37	Soprano pipistrelle	Commuting pass from houses towards meadows, flying northeast to southwest underneath lights. Likely emergence. Two passes recorded.			
		21:41	Soprano pipistrelle	Foraging and commuting pass heard but not seen.			
4 – 5		21:42	Common pipistrelle	Commuting pass in between lights towards the houses, avoiding the lights.			
5	21:44 – 21:49			No bats recorded.			
5 – 6		21:50	Soprano pipistrelle	Commuting pass from meadows towards houses, flying west to east.			
6	21:51 – 21:56			No bats recorded.			
7	21:58 – 22:03			No bats recorded.			
8	22:05 – 22:10			No bats recorded.			
9	22:12 – 22:17			No bats recorded.			
10	22:19 – 22:24			No bats recorded			
11	22:26 – 22:31			No bats recorded.			
12	22:33 - 22:38			No bats recorded.			
13	22:40 – 22:45			No bats recorded.			
14	22:47 – 22:52			No bats recorded.			
15	22:54 – 22:59			No bats recorded.			
16	23:01 – 23:06			No bats recorded.			
17	23:08 –			No bats recorded.			

John Wenman Ecological Consultancy

23:13		

Evening transect survey of Marshall Road - Shepherds Meadow on the 7th June 2017

Survey date: 7.6.2017

Surveyor: Sarah Foot / Nigel Smith

Detector: Anabat Express

Weather conditions: Dry, breeze, 100% CC, rain near end + gusts; 13°C

Start time: 21:16 Sunset: 21:16 Finish time: 23:16

Transect	Transect	Record	Species	Survey notes
point	time	Time		
1	21:16 – 21:21	21:20	Noctule	Pass heard but not seen.
2	21:23 –	21:23	Noctule	Foraging over grassland.
	21:28	21:26	Noctule	Foraging heard but not seen. Four passes recorded.
		21:27	Noctule	Foraging heard but not seen. Four passes recorded.
		21:28	Noctule	Foraging heard but not seen. Four passes recorded.
Between 2 & 3		21:29	Noctule	Pass heard but not seen.
4	21:37 – 21:42			No bats recorded.
Between		21:45	Noctule	Pass heard but not seen.
4 & 5		21:45	Common pipistrelle	Pass heard but not seen.
5	21:45 –	21:45 –	Common	Foraging back & forth north – south.
	21:50	21:50	pipistrelle	Six passes recorded.
		21:45 –	Soprano	Foraging back & forth north – south.
		21:50	pipistrelle	Four passes recorded.
Between		21:51	Noctule	Foraging heard but not seen. Three
5 & 6			_	passes recorded.
		21:51	Soprano	Pass heard but not seen. Two passes
			pipistrelle	recorded.
		21:52	Noctule	Foraging heard but not seen. Five passes recorded.
		21:52	Common pipistrelle	Pass heard but not seen. Two passes recorded.
		21:52	Soprano	Pass heard but not seen. Five passes
		21.02	pipistrelle	recorded.
		21:53	Noctule	Foraging heard but not seen. Two passes recorded.
		21:53	Common	Pass heard but not seen. Two passes
			pipistrelle	recorded.
		21:53	Soprano pipistrelle	Pass heard but not seen.
		21:54	Common pipistrelle	Pass heard but not seen. Two passes recorded.
6	21:54 -	21:56	Soprano	Pass overhead heading south-west.
	21:59	21:57	pipistrelle Common	Dass hoard but not soon. Two passes
		21.37	pipistrelle	Pass heard but not seen. Two passes recorded.
		21:57	Soprano pipistrelle	Pass overhead heading south-west. Three passes recorded.
		21:58	Soprano pipistrelle	Pass overhead heading south-west.
7	22:01 –	22:03	<i>Nyctalus</i> sp.	Pass heard but not seen.
•	22:06	22:04	Common	Pass out of woodland into field.

			pipistrelle	
8	22:08 – 22:13		, ,	No bats recorded.
9	22:14 – 22:19			No bats recorded.
10	22:20 – 22:25			No bats recorded.
11	22:27 – 22:32	22:32	Soprano pipistrelle	Pass heard but not seen.
12	22:34 – 22:39	22:34	Common pipistrelle	Pass heard but not seen.
		22:38	Noctule Common pipistrelle	Pass heard but not seen. Pass heard but not seen.
Between 12 & 13		22:39 – 22:42 22:39 –	Soprano pipistrelle Common	Continuous foraging in the trees & over the lake. Six passes recorded. Pass heard but not seen. Six passes
13	22:42 -	22:40 22:43 –	pipistrelle Common	recorded. Continuous foraging heard but not
	22:47	22:46 22:42 – 22:47	pipistrelle Soprano pipistrelle Common	seen. Eleven passes recorded. Foraging in trees above transect. Ten passes recorded. Brief pass heard but not seen.
		22:45 22:46	pipistelle Serotine	Pass heard but not seen.
Between 13 & 14		22:47	Myotis Sp. Soprano pipistrelle	Foraging heard but not seen. Foraging heard but unseen. Two passes recorded.
14	22:50 – 22:55			No bats recorded.
Between 14 & 15		22:55 – 22:57	Soprano pipistrelle	Foraging overhead. Two passes recorded.
15	22:57 – 23:02	23:00	Noctule	Flew southeast over surveyors. Three passes recorded.
		23:01	Soprano pipistrelle	Pass heard but unseen.
		23:02	Common pipistrelle	Foraging overhead.
		23:02	Soprano pipistrelle	Foraging overhead.
Between 15 & 16		23:03 – 23:04 23:03 –	Common pipistrelle Soprano	Foraging back and forth from the east to west. Foraging back and forth from the east
		23:04	pipistrelle	to west. Two passes recorded.
16	23:04 – 23:09	23:04	Soprano pipistrelle	Foraging heard but unseen.
17	23:11 – 23:16			No bats recorded.

Evening transect survey of Marshall Road –Streetlights on the 26th June 2017

Survey date: 26.6.2017

Surveyor: Steve Foot / Ayla Paul Detector: Anabat Express

Weather conditions: Dry, breeze, 50% CC, rain near end + gusts; 20-17°C

Start time: 21:24 Sunset: 21:24 Finish time: 23:24

Streetlights switched on at 21:46

	Transact			Cumiou notos
Transect	Transect		Species	Survey notes
point	time	Time		
1	21:24 –			No bats recorded.
	21:29			
2	21:31 –			No bats recorded.
	21:36			
3	21:38 –	21:42	Noctule	Pass heard but not seen.
	21:43			
Between		21:44	Soprano	Foraging in loops over the road.
3 & 4			pipistrelle	pass from houses towards
				meadows, flying northeast to
				southwest. Likely emergence.
4	21:45 –	21:45	Pipistrelle Sp.	Foraging in loops over the road.
	21:50	21:49	Soprano	Pass over the road from houses
			pipistrelle	towards meadows, flying northeast
			F.P.5	to southwest. Likely emergence.
5	21:52 –			No bats recorded.
	21:57			110 bato 10001aca.
6	21:59 –	21:59	Pipistrelle Sp.	2 bats commuting over the road
	22:04	21.00	i ipisu elle sp.	towards the meadows from the
	22.04			houses. Likely emergence from
				, <u> </u>
		22.00	Conrons	houses.
		22:00	Soprano	Pass over the road towards the houses
		00.00	pipistrelle	from meadows.
		22:02	Common	Pass heard but not seen.
		22.5-	pipistrelle	
Between		22:05	Pipistrelle Sp.	Pass heard but not seen.
6 & 7				
7	22:06 –	22:09	Pipistrelle Sp.	Pass heard but not seen.
	22:11	22:09 –	Common	Foraging in tree next to the lamp post.
		22:11	pipistrelle	
		22:11	Soprano	Pass heard but not seen.
			pipistrelle	
Between		22:13	Common	Pass heard but not seen.
7 & 8			pipistrelle	
8	22:15 –			No bats recorded.
	22:20			
9	22:22 –	22:23 –	Common	2 bats foraging, but not seen.
	22:27	22:26	pipistrelle	
10	22:29 –			No bats recorded.
	22:34			
Between		22:36	Pipistrelle Sp.	Pass heard but not seen.
10 & 11			,0.0	
11	22:38 –	22:42	Common	Foraging and pass heard but not seen.
''	22:43	<u> </u>	pipistrelle	1 Staging and pass floatd but flot seen.
12	22:45 –	22:47	Soprano	Foraging heard but not seen.
'-	22:50	22.41	pipistrelle	Toraging heard but hot seen.
	22.50	22:40		Page heard but not seen
Detura		22:49	Noctule	Pass heard but not seen.
Between		22:50	Common	Pass heard but not seen.

12 & 13			pipistrelle	
13	22:52 -	22:53	Common	Foraging heard but not seen.
	22:57		pipistrelle	
14	22:59 –	23:02 -	Common	Foraging heard but not seen.
	23:04	23:03	pipistrelle	
15	23:06 -			No bats recorded.
	23:11			
16	23:13 –	23:16	Pipistrelle Sp.	Distant pass heard but not seen.
	22:18			
17	23:19 –			No bats recorded.
	23:24			

Evening transect survey of Marshall Road – Shepherds Meadow on the 26th June 2017

Survey date: 26.6.2017

Surveyor: Sarah Foot / Nigel Smith

Detector: Anabat Express

Weather conditions: Dry, breeze, 50% CC, rain near end + gusts; 20-17°C

Start time: 21:24 Sunset: 21:24 Finish time: 23:24

Finish time		Deesed	Chasias	Current notes
Transect	Transect time	Record Time	Species	Survey notes
point		Time		No hate recorded
1	21:24 –			No bats recorded.
2	21:29			No boto recorded
2	21:31 –			No bats recorded.
3	21:36 21:38 –	21:36	Noctule	Pass heard but not seen.
3	21:38 –	21:36	Noctule	Pass heard but not seen.
4	21:45 –			No bats recorded.
4	21:45 –			No bais recorded.
5	21:53-	21:53 –	Common	Foraging heard but not seen. Five
3	21:58	21:55	pipistrelle	passes recorded.
	21.50	21:54 –	Pipistrelle Sp.	Foraging by the tree edge. Two passes
		21:55	Tipisticile op.	recorded.
		21:57	Common	Pass heard but not seen.
		21.07	pipistrelle	T doo nodi d bat not boom.
		21:58	Soprano	Foraging in the trees around the lake.
			pipistrelle	. Graging in the need areana the issue
Between		21:59	Common	Pass heard but not seen. Two passes
5 & 6			pipistrelle	recorded.
6	22:01 –	22:01 –	Soprano	Flew overhead east to west. Three
	22:06	22:03	pipistrelle	passes recorded.
		22:04	Soprano	Foraging heard but not seen. Two
			pipistrelle	passes recorded.
		22:06	Soprano	Foraging heard but not seen.
			pipistrelle	
Between		22:08	Pipistrelle Sp.	Pass heard but not seen.
6 & 7				
7	22:09 –	22:12	Soprano	Pass heard but not seen. Two passes
	22:14		pipistrelle	recorded.
Between		22:15	Pipistrelle Sp.	Briefly foraging in woodland.
7 & 8		22:15	Common	Pass heard but not seen.
			pipistrelle	
8		22:19	Common	Pass heard but not seen.
		00.00	pipistrelle	
		22:20	Soprano	Pass heard but not seen.
	00.01		pipistrelle	
9	22:24 –			No bats recorded.
	22:29			

Between		22:29	Soprano	Pass heard but not seen.
9 & 10			pipistrelle	r ass neard but not seen.
10	22:31 –	22:31 –	Common	Foraging back and forth in the trees.
	22:36	22:36	pipistrelle	Four passes recorded.
Between		22:43	Common	Pass heard but not seen.
11 & 12			pipistrelle	
12	22:45 –	22:48	Soprano	Distant pass heard but not seen.
	22:50		pipistrelle	·
		22:49	Soprano	Distant pass heard but not seen.
			pipistrelle	·
		22:50	Soprano	Distant pass heard but not seen.
			pipistrelle	·
Between		22:50 -	Common	Foraging over lake. Two passes
12 & 13		22:52	pipistrelle	recorded.
		22:50 -	Soprano	Foraging over lake. Seven passes
		22:52	pipistrelle	recorded.
		22:50 -	Daubenton's	Foraging over lake.
		22:52		
13	22:52 –	22:53	Pipistrelle Sp.	Foraging heard in trees but not seen.
	22:57	22:56	Soprano	Pass heard but not seen.
			pipistrelle	
Between		22:57	Noctule	Pass heard but not seen.
13 & 14		22:57	Common	Pass heard but not seen.
			pipistrelle	
		22:57	Soprano	Pass heard but not seen.
			pipistrelle	
14	22:59 –	23:00 –	Common	Pass and foraging heard but not seen.
	23:04	23:04	pipistrelle	Thirteen passes recorded.
		23:02 –	Pipistrelle Sp.	Foraging heard but not seen. Two
		23:03		passes recorded.
		23:03	Soprano	Foraging heard but not seen.
			pipistrelle	
Between		23:05	Soprano	Foraging up and down the river. Two
14 & 15			pipistrelle	passes recorded.
15	23:06 –	23:06	Pipistrelle Sp.	Foraging up and down the river.
	22:11	23:07 –	Common	Foraging up and down the river
		22:11	pipistrelle	regularly. Three passes recorded.
		23:07 –	Soprano	Foraging up and down the river
		22:11	pipistrelle	regularly. Six passes recorded.
		23:08	Noctule	Pass heard but not seen.
Between		23:12	Soprano	Foraging up and down the river. Four
15 & 16			pipistrelle	passes recorded.
			Common	Foraging up and down the river. Two
4.0	00.40	00.40	pipistrelle	passes recorded.
16	23:13 –	23:13 –	Common	Foraging up and down the river
	23:18	23:18	pipistrelle	regularly. Sixteen passes recorded.
		23:13 –	Soprano	Foraging up and down the river
47	00:00	23:18	pipistrelle	regularly. Five passes recorded.
17	23:20 -			No bats recorded.
	23:25			

Evening transect survey of Marshall Road –Streetlights on the 1st August 2017

Survey date: 1.8.2017

Surveyor: Vicky Potts / Nigel Smith

Detector: Anabat Express and Magenta Bat box 4 Weather conditions: Dry, still, fine, high cloud, 15°C

Start time: 20:51 Sunset: 20:51 Finish time: 22:51

Transect	Transect	Record	Species	Survey notes
point	time	Time		
1	20:51 -			No bats recorded.
	20:56			
2	20:58 -			No bats recorded.
	21:03			
3	21:05 -	21:09	Soprano	Commuting pass from houses
	21:10		pipistrelle	towards meadows, flying northeast
				to southwest. Likely emergence.
		21:10	Soprano	Circled over our heads underneath the
			pipistrelle	lights, flew southwest.
		21:11	Soprano	Commuting pass from houses
			pipistrelle	towards meadows, flying northeast
4	24:42	04.40	Common	to southwest. Likely emergence.
4	21:12 – 21:17	21:16	Common	Commuting pass from houses towards meadows, flying northeast
	21.17		pipistrelle	to southwest. Likely emergence.
5	21:18 –	21:19	Pipistrelle	Flying between two houses to the
3	21:10 –	21.19	species	west of the road. Likely emergence.
6	21:25 –	21:27	Noctule	Pass heard but not seen.
	21:30	21:27	Soprano	Commuting pass from houses
	21.00	21.21	pipistrelle	towards meadows, flying east to
			p.p.ooo	west. Likely emergence.
		21:28	Noctule	Pass heard but not seen.
		21:28	Soprano	Commuting pass from houses
			pipistrelle	towards meadows, flying east to
				southwest. Likely emergence.
Between		21:31	Soprano	Pass heard but not seen.
6 & 7			pipistrelle	
7	21:32 –	21:37	Soprano	Commuting pass from houses
	21:37		pipistrelle	towards meadows, flying east.
		24.0=		Likely emergence.
		21:37	Soprano	Commuting pass from houses
			pipistrelle	towards meadows, flying east. Likely emergence.
8	21:39 – 21:44			
9	21:45 –			
	21:50			
10	21:53 –	21:51	Soprano	Commuting pass over Yorktown Road,
	21:58		pipistrelle	flying north to south
11	22:02 –	22:06	Common	Pass heard but not seen in trees to the
	22:07		pipistrelle	west of Marshall Road.
		22:06	Common	Pass heard but not seen in trees to the
		00.00	pipistrelle	west of Marshall Road.
		22:08	Noctule	Pass heard but not seen.
40	00.40	22:09	Noctule	Pass heard but not seen.
12	22:10 –			No bats recorded.
	22:15			

13	22:17 – 22:22			No bats recorded.
Between 13 & 14		22:23	Pipistrellus sp.	Pass heard but not seen.
14	22:24 – 22:29			No bats recorded.
15	22:31 – 22:36	22:31	Myotis	Pass heard but not seen.
		22:34	Common pipistrelle	Pass heard but not seen.
16	22:38 – 22:43			No bats recorded.
17	22:45 – 22:50	22:49	Common pipistrelle	Pass heard but not seen.

Evening transect survey of Marshall Road – Shepherds Meadow on the 1st August 2017

Survey date: 1.8.2017 Surveyor: John Wenman

Detector: Anabat Express and EM3

Weather conditions: Dry, still, fine, high cloud, 15°C

Start time: 20:51 Sunset: 20:51 Finish time: 22:51

Transect	Transect	Record	Species	Survey notes
point	time	Time		
1	20:52 – 20:57			No bats recorded.
2	20:59 – 21:04	21:04	Noctule	Pass heard but not seen.
3	21:05 - 21:10			No bats recorded.
4	21:12 – 21:17		Soprano pipistrelle	Social calls recorded and pass heard but not seen.
Between 4 & 5		21:20	Unidentified sp.	Social call recorded.
5	21:21 – 21:26	21:23	Soprano pipistrelle	Intermittent foraging heard but unseen throughout.
		21:21 – 21:26	Common pipistrelle	Intermittent foraging heard but unseen throughout.
Between 5 & 6		21:28	Common pipistrelle	Pass heard but not seen.
		21:29	Soprano pipistrelle	Pass heard but not seen.
		21:29	Common pipistrelle	Pass heard but not seen.
6	21:30 – 21:35	21:30	Soprano pipistrelle	Unseen foraging over lake and around the trees. Two passes recorded.
		21:30	Common pipistrelle	Unseen foraging over lake and around the trees. Two passes recorded.
		21:31	Soprano pipistrelle	Unseen foraging over lake and around the trees.
		21:31	Common pipistrelle	Unseen foraging over lake and around the trees.
		21:32	Soprano pipistrelle	Two bats foraging over lake and around the trees.
		21:33	Soprano pipistrelle	Unseen foraging over lake and around the trees. Two passes recorded.
		21:33	Common	Unseen foraging over lake and around

		T	niniotralla	the trees
		21:34	pipistrelle	the trees.
		21.34	Soprano pipistrelle	Unseen foraging over lake and around
7	24.26	24.20		the trees.
7	21:36 – 21:46	21:36 21:37	Myotis sp. Common	Pass heard but not seen.
	21.40	21:3/		Foraging heard but not seen.
		24.27	pipistrelle	Foreging board but not occa
		21:37	Soprano	Foraging heard but not seen.
		21:38	pipistrelle Common	Foraging heard but not seen.
1		21.30		i oraging heard but not seen.
		21:38	pipistrelle Soprano	Foraging heard but not seen.
		21.00	pipistrelle	i oraging heard but not seen.
8	21:41 –	21:46	Common	Occasional foraging heard but not
	21:46	то	pipistrelle	seen.
Between	+0	21:47	Noctule	Foraging over the field.
8 & 9			. 1001010	. s.s.g.ii.g stor the hold.
9	21:48 –	21:48	Soprano	Foraging heard but not seen.
	21:52		pipistrelle	
		21:48	Noctule	Foraging over the field.
		21:50	Noctule	Foraging over the field.
		21:52	Common	Pass heard but not seen.
	Ĺ	1	pipistrelle	
10	21:55 –	21:56	Common	Pass heard but not seen.
	22:00		pipistrelle	<u> </u>
		21:57	Common	Pass heard but not seen.
			pipistrelle	
11	22:03 -	22:02	Noctule	Foraging over the field.
	22:08	22:04	Noctule	Foraging over the field.
		22:05	Common	Pass heard but not seen.
			pipistrelle	
		22:06	Common	Pass heard but not seen.
			pipistrelle	
		22:08	Common	Pass heard but not seen.
			pipistrelle	
12	22:11 -	22:12	Noctule	Pass heard but not seen.
	22:16	22:14	Noctule	Pass heard but not seen.
		22:15	Common	Regular foraging heard but not seen.
			pipistrelle	1
		22:16	Soprano	Regular foraging heard but not seen.
		00.15	pipistrelle	I Decide ()
		22:16	Common	Regular foraging heard but not seen.
Det	+	00.4=	pipistrelle	Two passes recorded.
Between		22:17	Noctule	Pass heard but not seen.
12 & 13		22:17	Common	Pass heard but not seen. Three passes
		22:18	pipistrelle	recorded. Pass heard but not seen.
		۷۷.۱۵ ا	Common	rass neard but not seen.
		22:19	pipistrelle	Pass heard but not seen.
		44.19	Common pipistrelle	Fass Heard Dut HUL SEEH.
13	22:20 –	22:20	Common	Regular foraging over the river.
10	22:20 –	ZZ.ZU	pipistrelle	Trogular loraging over the liver.
		22:20	Soprano	Regular foraging over the river.
		22.2U	pipistrelle	Trogular loraging over the liver.
		22:20	Daubentons	Regular foraging over the river.
		22:21	Common	Regular foraging over the river.
			pipistrelle	
		22:21	Soprano	Regular foraging over the river.
			pipistrelle	
		22:21	Pipistrellus sp.	Social call recorded.
		22:22	Common	Regular foraging over the river.
	•	•	•	John Wenman Ecological Consultancy

			pipistrelle	
		22:24	Daubentons	Regular foraging over the river.
14	22:29 –	22:27	Common	Foraging heard but not seen.
	22:34		pipistrelle	a congregation and the constraints
		22:28	Soprano	Foraging heard but not seen.
			pipistrelle	
		22:28	Daubentons	Foraging heard but not seen.
		22:29	Common	Foraging heard but not seen.
			pipistrelle	The standard of the standard o
		22:29	Soprano	Foraging heard but not seen.
			pipistrelle	3 3
		22:31	Common	Foraging heard but not seen.
			pipistrelle	
		22:32	Common	Foraging heard but not seen.
			pipistrelle	
		22:33	Common	Social call recorded.
			pipistrelle	
		22:34	Soprano	Foraging heard but not seen.
			pipistrelle	
Between		22:35	Soprano	Social call recorded. Pass heard but
14 & 15			pipistrelle	not seen.
15	22:36 -	22:36	Pipistrellus sp.	Social call recorded.
	22:41	22:36	Soprano	Intermittent foraging heard but not
			pipistrelle	seen.
		22:38	Soprano	Intermittent foraging heard but not
			pipistrelle	seen.
		22:40	Soprano	Intermittent foraging heard but not
			pipistrelle	seen. Two passes recorded.
		22:41	Common	Intermittent foraging heard but not
			pipistrelle	seen.
22:42 –		22:42	Common	Intermittent foraging heard but not
22:47			pipistrelle	seen.
		22:42	Soprano	Social call recorded. Intermittent
			pipistrelle	foraging heard but not seen.
		22:43	Soprano	Intermittent foraging heard but not
			pipistrelle	seen.
		22:45	Common	Intermittent foraging heard but not
			pipistrelle	seen.
		22:45	Soprano	Intermittent foraging heard but not
			pipistrelle	seen.
		22:46	Common	Intermittent foraging heard but not
		00.47	pipistrelle	seen. Three passes recorded.
		22:47	Common	Intermittent foraging heard but not
00:40	1	00.40	pipistrelle	seen. Two passes recorded.
22:48 –		22:48	Common	Intermittent foraging heard but not
22:53		00.40	pipistrelle	seen. Two passes recorded.
		22:49	Common	Intermittent foraging heard but not
		20.52	pipistrelle	seen. Two passes recorded.
		22:50	Common	Social call recorded. Intermittent
			pipistrelle	foraging heard but not seen. Two
		20.54	Common	passes recorded.
		22:51	Common	Intermittent foraging heard but not
		20.50	pipistrelle	Seen.
		22:53	Common	Intermittent foraging heard but not
			pipistrelle	seen.

APPENDIX 8 - RAW STATIC DETECTOR SURVEY DATA

Static Detector Recordings of lamppost at Marshall Road on the 8th – 13th June 2017

Date	Time	Species	Number of data files
Evening 1			
08-06-17	21:34	Soprano pipistrelle	1
08-06-17	21:36	Noctule	1
08-06-17	21:36	Noctule	1
08-06-17	21:37	Noctule	1
08-06-17	21:46	Noctule	1
08-06-17	22:18	Common pipistrelle	1
08-06-17	22:42	Soprano pipistrelle	1
08-06-17	23:14	Common pipistrelle	1
08-06-17	23:14	Soprano pipistrelle	1
08-06-17	23:15	Common pipistrelle	4
08-06-17	23:16	Common pipistrelle	2
08-06-17	23:18	Daubenton's bat	1
08-06-17	23:19	Common pipistrelle	3
08-06-17	23:20	Common pipistrelle	1
08-06-17	23:25	Common pipistrelle	2
08-06-17	23:27	Common pipistrelle	1
08-06-17	23:28	Common pipistrelle	1
08-06-17	23:29	Common pipistrelle	1
08-06-17	23:31	Common pipistrelle	2
08-06-17	23:32	Common pipistrelle	1
08-06-17	23:35	Common pipistrelle	1
08-06-17	23:36	Common pipistrelle	3
08-06-17	23:38	Common pipistrelle	1
08-06-17	23:47	Common pipistrelle	2
08-06-17	23:51	Common pipistrelle	2
08-06-17	23:54	Common pipistrelle	2
08-06-17	23:55	Common pipistrelle	2
08-06-17	23:56	Common pipistrelle	1
08-06-17	23:57	Common pipistrelle	1
08-06-17	23:58	Common pipistrelle	1
08-06-17	23:59	Common pipistrelle	1
09-06-17	00:08	Common pipistrelle	2
09-06-17	00:10	Common pipistrelle	1
09-06-17	00:11	Common pipistrelle	3
09-06-17	00:12	Common pipistrelle	1
09-06-17	00:13	Common pipistrelle	3
09-06-17	00:15	Soprano pipistrelle	2
09-06-17	00:15	Common pipistrelle	1
09-06-17	00:16	Pipistrelle social call	1
09-06-17	00:17	Soprano pipistrelle	1
09-06-17	00:17	Common pipistrelle	1
09-06-17	00:19	Soprano pipistrelle	1
09-06-17	00:20	Soprano pipistrelle	1
09-06-17	00:21	Common pipistrelle	2
09-06-17	00:22	Common pipistrelle	1

John Wenman Ecological Consultancy

00.00.47	00.00	Convene ninietrelle	1
09-06-17 09-06-17	00:22	Soprano pipistrelle	1
		Common pipistrelle	
09-06-17	00:23	Soprano pipistrelle	1
09-06-17	00:24	Soprano pipistrelle	1
09-06-17	00:25	Soprano pipistrelle	2
09-06-17	00:26	Soprano pipistrelle	1
09-06-17	00:27	Soprano pipistrelle	1
09-06-17	00:28	Soprano pipistrelle	3
09-06-17	00:30	Soprano pipistrelle	1
09-06-17	00:32	Soprano pipistrelle	2
09-06-17	00:32	Soprano pipistrelle	1
09-06-17	00:36	Common pipistrelle	1
09-06-17	00:37	Soprano pipistrelle	1
09-06-17	00:46	Soprano pipistrelle	1
09-06-17	00:47	Common pipistrelle	1
09-06-17	00:48	Common pipistrelle	1
09-06-17	00:54	Soprano pipistrelle	1
09-06-17	00:56	Common pipistrelle	2
09-06-17	01:01	Common pipistrelle	1
09-06-17	01:02	Common pipistrelle	1
09-06-17	01:13	Common pipistrelle	2
09-06-17	01:14	Common pipistrelle social call	1
09-06-17	01:14	Soprano pipistrelle	1
09-06-17	01:15	Common pipistrelle	1
09-06-17	01:15	Soprano pipistrelle	1
09-06-17	01:16	Soprano pipistrelle	1
09-06-17	01:17	Soprano pipistrelle	2
09-06-17	01:18	Soprano pipistrelle	2
09-06-17	01:20	Soprano pipistrelle	1
09-06-17	01:20	Common pipistrelle	1
09-06-17	01:21	Soprano pipistrelle	2
09-06-17	01:22	Soprano pipistrelle	2
09-06-17	01:23	Common pipistrelle	1
09-06-17	01:23	Soprano pipistrelle	1
09-06-17	01:24	Soprano pipistrelle	2
09-06-17	01:24	Common pipistrelle	1
09-06-17	01:25	Common pipistrelle	1
09-06-17	01:25	Soprano pipistrelle	3
09-06-17	01:26	Common pipistrelle	1
09-06-17	01:26	Soprano pipistrelle	2
09-06-17	01:26	Soprano pipistrelle	1
09-06-17	01:27		1
		Common pipistrelle	3
09-06-17	01:28	Soprano pipistrelle	
09-06-17	01:28	Common pipistrelle	1
09-06-17	01:29	Soprano pipistrelle	3
09-06-17	01:30	Soprano pipistrelle	3
09-06-17	01:30	Common pipistrelle	2
09-06-17	01:31	Soprano pipistrelle	2
09-06-17	01:33	Common pipistrelle	1
09-06-17	01:34	Common pipistrelle	2
09-06-17	01:35	Common pipistrelle	1

09-06-17	01.26	Common piniotrollo	2
09-06-17	01:36 01:37	Common pipistrelle	1
		Common pipistrelle	•
09-06-17	01:38	Common pipistrelle	3
09-06-17	01:39	Common pipistrelle social call	1
09-06-17	01:42	Common pipistrelle	1
09-06-17	01:43	Common pipistrelle	3
09-06-17	01:44	Common pipistrelle	2
09-06-17	01:44	Soprano pipistrelle	1
09-06-17	01:46	Common pipistrelle	1
09-06-17	01:47	Common pipistrelle social call	1
09-06-17	01:48	Soprano pipistrelle	1
09-06-17	01:49	Soprano pipistrelle	2
09-06-17	01:50	Soprano pipistrelle	4
09-06-17	01:51	Soprano pipistrelle	1
09-06-17	01:52	Soprano pipistrelle	2
09-06-17	01:53	Soprano pipistrelle	2
09-06-17	01:54	Soprano pipistrelle	3
09-06-17	01:55	Common pipistrelle	1
09-06-17	01:55	Soprano pipistrelle	1
09-06-17	01:56	Soprano pipistrelle	2
09-06-17	01:57	Soprano pipistrelle	2
09-06-17	01:58	Common pipistrelle	2
09-06-17	01:58	Soprano pipistrelle	1
09-06-17	01:59	Soprano pipistrelle social call	1
09-06-17	02:00	Soprano pipistrelle	2
09-06-17	02:01	Soprano pipistrelle social call	2
09-06-17	02:02	Soprano pipistrelle social call	3
09-06-17	02:04	Soprano pipistrelle	2
09-06-17	02:05	Soprano pipistrelle	2
09-06-17	02:06	Soprano pipistrelle	2
09-06-17	02:07	Soprano pipistrelle	2
09-06-17	02:08	Soprano pipistrelle	1
09-06-17	02:08	Common pipistrelle social call	1
09-06-17	02:09	Soprano pipistrelle	1
09-06-17	02:10	Common pipistrelle	1
09-06-17	02:10	Soprano pipistrelle	1
09-06-17	02:11	Common pipistrelle	1
09-06-17	02:11	Common pipistrelle	2
09-06-17	02:12	Soprano pipistrelle	1
09-06-17	02:12	Soprano pipistrelle	3
		Soprano pipistrelle	1
09-06-17	02:14	' ''	
09-06-17	02:16	Soprano pipistrelle	3
09-06-17	02:16	Common pipistrelle	2
09-06-17	02:17	Soprano pipistrelle	1
09-06-17	02:17	Common pipistrelle social call	1
09-06-17	02:18	Soprano pipistrelle	1
09-06-17	02:19	Soprano pipistrelle	1
09-06-17	02:20	Soprano pipistrelle	4
09-06-17	02:21	Common pipistrelle social call	1
09-06-17	02:21	Soprano pipistrelle	3
09-06-17	02:22	Soprano pipistrelle	1

09-06-17	02:22	Conrana niniatralla	1
09-06-17	02:23 02:24	Soprano pipistrelle	1
		Soprano pipistrelle	· ·
09-06-17	02:25	Soprano pipistrelle	3
09-06-17	02:26	Soprano pipistrelle	1
09-06-17	02:27	Soprano pipistrelle	1
09-06-17	02:30	Soprano pipistrelle	1
09-06-17	02:30	Common pipistrelle	3
09-06-17	02:31	Common pipistrelle	2
09-06-17	02:33	Common pipistrelle	1
09-06-17	02:34	Common pipistrelle	2
09-06-17	02:35	Soprano pipistrelle	1
09-06-17	02:35	Common pipistrelle	3
09-06-17	02:36	Common pipistrelle	1
09-06-17	02:37	Common pipistrelle	1
09-06-17	02:38	Common pipistrelle	1
09-06-17	02:40	Common pipistrelle	1
09-06-17	02:41	Common pipistrelle	1
09-06-17	02:43	Common pipistrelle	1
09-06-17	02:44	Soprano pipistrelle	1
09-06-17	02:45	Soprano pipistrelle	1
09-06-17	02:46	Soprano pipistrelle	1
09-06-17	02:47	Soprano pipistrelle	2
09-06-17	02:49	Soprano pipistrelle	1
09-06-17	02:50	Soprano pipistrelle	1
09-06-17	02:51	Soprano pipistrelle	2
09-06-17	02:52	Common pipistrelle	1
09-06-17	02:52	Soprano pipistrelle	1
09-06-17	02:54	Soprano pipistrelle	3
09-06-17	02:55	Soprano pipistrelle	4
09-06-17	02:56	Soprano pipistrelle	3
09-06-17	02:57	Soprano pipistrelle	1
09-06-17	02:58	Common pipistrelle social call	1
09-06-17	02:58	Soprano pipistrelle	1
09-06-17	02:59	Soprano pipistrelle	3
09-06-17	03:01	Soprano pipistrelle	4
09-06-17	03:02	Soprano pipistrelle	2
09-06-17	03:03	Soprano pipistrelle	1
09-06-17	03:06	Common pipistrelle	1
09-06-17	03:06	Soprano pipistrelle	2
09-06-17	03:07	Soprano pipistrelle	4
09-06-17	03:08	Soprano pipistrelle	2
09-06-17	03:08	Common pipistrelle	1
09-06-17	03:09	Common pipistrelle	2
09-06-17	03:10	Common pipistrelle	1
09-06-17	03:10	Common pipistrelle social call	2
09-06-17	03:11	Soprano pipistrelle	1
09-06-17	03:12	Soprano pipistrelle	1
09-06-17	03:14	Common pipistrelle	1
09-06-17	03:15	Common pipistrelle	3
09-06-17	03:16	Common pipistrelle	2
09-06-17	03:17	Common pipistrelle	3

00.00.47	00-40	Common ministralla	14
09-06-17	03:18	Common pipistrelle	1
09-06-17	03:19	Common pipistrelle	2
09-06-17	03:20	Common pipistrelle	2
09-06-17	03:21	Soprano pipistrelle	1
09-06-17	03:21	Common pipistrelle	2
09-06-17	03:22	Soprano pipistrelle	2
09-06-17	03:23	Soprano pipistrelle	2
09-06-17	03:24	Common pipistrelle	1
09-06-17	03:24	Soprano pipistrelle	2
09-06-17	03:25	Soprano pipistrelle	4
09-06-17	03:28	Common pipistrelle	1
09-06-17	03:29	Common pipistrelle	1
09-06-17	03:35	Common pipistrelle	2
09-06-17	03:36	Common pipistrelle	4
09-06-17	03:37	Common pipistrelle	1
09-06-17	03:48	Soprano pipistrelle social call	1
09-06-17	04:14	Soprano pipistrelle	1
Evening 2			
09-06-17	21:38	Soprano pipistrelle	2
09-06-17	22:00	Common pipistrelle	1
09-06-17	22:45	Soprano pipistrelle	1
09-06-17	22:46	Soprano pipistrelle social call	1
09-06-17	22:46	Soprano pipistrelle	1
09-06-17	22:49	Soprano pipistrelle	1
09-06-17	22:52	Soprano pipistrelle	1
09-06-17	22:56	Common pipistrelle	1
09-06-17	23:03	Soprano pipistrelle	1
09-06-17	23:15	Common pipistrelle	2
09-06-17	23:16	Common pipistrelle	3
09-06-17	23:16	Soprano pipistrelle	1
09-06-17	23:19	Common pipistrelle	1
09-06-17	23:19	Soprano pipistrelle	1
09-06-17	23:20	Daubentons	1
09-06-17	23:24	Soprano pipistrelle	2
09-06-17	23:25	Soprano pipistrelle	5
09-06-17	23:27	Common pipistrelle	2
09-06-17	23:28	Common pipistrelle	2
09-06-17	23:28	Soprano pipistrelle	1
09-06-17	23:29	Common pipistrelle	3
09-06-17	23:29	Soprano pipistrelle	3
09-06-17	23:30	Soprano pipistrelle	2
09-06-17	23:31	Common pipistrelle social call	1
09-06-17	23:31	Soprano pipistrelle	3
09-06-17	23:32	Common pipistrelle	1
09-06-17	23:32	Soprano pipistrelle	3
09-06-17	23:33	Soprano pipistrelle	3
09-06-17	23:34	Soprano pipistrelle	2
			3
09-06-17	23:35	Soprano pipistrelle	
09-06-17	23:36	Soprano pipistrelle	4
09-06-17	23:37	Common pipistrelle social call	2
09-06-17	23:37	Soprano pipistrelle	4

09-06-17 23:39 Sprano pipistrelle 4 09-06-17 23:40 Common pipistrelle social call 1 09-06-17 23:40 Soprano pipistrelle 2 09-06-17 23:41 Common pipistrelle social call 1 09-06-17 23:41 Soprano pipistrelle 3 09-06-17 23:42 Common pipistrelle 1 09-06-17 23:42 Common pipistrelle 1 09-06-17 23:42 Soprano pipistrelle 1 09-06-17 23:43 Soprano pipistrelle 1 09-06-17 23:43 Soprano pipistrelle 1 09-06-17 23:43 Soprano pipistrelle 3 09-06-17 23:44 Soprano pipistrelle 3 09-06-17 23:44 Soprano pipistrelle 1 09-06-17 23:45 Soprano pipistrelle 1 09-06-17 23:45 Soprano pipistrelle 1 09-06-17 23:48 Soprano pipistrelle 3 09-06-17	00.00.47	00.00	0	
09-06-17 23:40 Common pipistrelle social call 1 09-06-17 23:40 Soprano pipistrelle social call 1 09-06-17 23:41 Soprano pipistrelle social call 1 09-06-17 23:41 Soprano pipistrelle social call 1 09-06-17 23:42 Common pipistrelle 3 09-06-17 23:42 Common pipistrelle 1 09-06-17 23:42 Soprano pipistrelle 1 09-06-17 23:43 Soprano pipistrelle 1 09-06-17 23:43 Soprano pipistrelle 1 09-06-17 23:43 Soprano pipistrelle 3 09-06-17 23:44 Soprano pipistrelle 3 09-06-17 23:45 Soprano pipistrelle 1 09-06-17 23:44 Soprano pipistrelle 1 09-06-17 23:43 Soprano pipistrelle 2 09-06-17 23:43 Soprano pipistrelle 1 09-06-17 23:43 Soprano pipistrelle 3	09-06-17	23:38	Soprano pipistrelle	3
09-06-17 23:40 Soprano pipistrelle social call 1 09-06-17 23:40 Soprano pipistrelle social call 1 09-06-17 23:41 Soprano pipistrelle social call 1 09-06-17 23:42 Common pipistrelle 1 09-06-17 23:42 Common pipistrelle 1 09-06-17 23:43 Common pipistrelle 2 09-06-17 23:43 Soprano pipistrelle 1 09-06-17 23:43 Soprano pipistrelle 3 09-06-17 23:43 Soprano pipistrelle 3 09-06-17 23:43 Soprano pipistrelle 3 09-06-17 23:44 Soprano pipistrelle 3 09-06-17 23:45 Soprano pipistrelle 1 09-06-17 23:48 Soprano pipistrelle 1 09-06-17 23:48 Soprano pipistrelle 3 09-06-17 23:50 Soprano pipistrelle 3 09-06-17 23:51 Soprano pipistrelle 3 09-06-				
09-06-17 23:40 Soprano pipistrelle 2 09-06-17 23:41 Common pipistrelle social call 1 09-06-17 23:42 Common pipistrelle social call 1 09-06-17 23:42 Common pipistrelle 1 09-06-17 23:42 Soprano pipistrelle 1 09-06-17 23:43 Common pipistrelle 1 09-06-17 23:43 Soprano pipistrelle 3 09-06-17 23:43 Soprano pipistrelle 3 09-06-17 23:44 Soprano pipistrelle 3 09-06-17 23:44 Soprano pipistrelle 1 09-06-17 23:46 Soprano pipistrelle 1 09-06-17 23:48 Soprano pipistrelle 3 09-06-17 23:48 Soprano pipistrelle 3 09-06-17 23:50 Soprano pipistrelle 3 09-06-17 23:51 Soprano pipistrelle 3 09-06-17 23:52 Soprano pipistrelle 3 09-06-17				
09-06-17 23:41 Common pipistrelle social call 1 09-06-17 23:42 Soprano pipistrelle 3 09-06-17 23:42 Common pipistrelle 1 09-06-17 23:42 Soprano pipistrelle 2 09-06-17 23:43 Soprano pipistrelle 1 09-06-17 23:43 Soprano pipistrelle 3 09-06-17 23:44 Soprano pipistrelle 3 09-06-17 23:45 Soprano pipistrelle 1 09-06-17 23:45 Soprano pipistrelle 1 09-06-17 23:45 Soprano pipistrelle 2 09-06-17 23:48 Soprano pipistrelle 1 09-06-17 23:49 Soprano pipistrelle 3 09-06-17 23:49 Soprano pipistrelle 3 09-06-17 23:50 Soprano pipistrelle 3 09-06-17 23:51 Soprano pipistrelle 3 09-06-17 23:52 Soprano pipistrelle 3 09-06-17 23:				•
09-06-17 23:41 Soprano pipistrelle 3 09-06-17 23:42 Common pipistrelle 1 09-06-17 23:42 Common pipistrelle 1 09-06-17 23:43 Soprano pipistrelle 2 09-06-17 23:43 Soprano pipistrelle 3 09-06-17 23:44 Soprano pipistrelle 3 09-06-17 23:45 Soprano pipistrelle 1 09-06-17 23:46 Soprano pipistrelle 2 09-06-17 23:47 Soprano pipistrelle 2 09-06-17 23:48 Soprano pipistrelle 1 09-06-17 23:48 Soprano pipistrelle 3 09-06-17 23:48 Soprano pipistrelle 3 09-06-17 23:48 Soprano pipistrelle 3 09-06-17 23:50 Soprano pipistrelle 3 09-06-17 23:51 Soprano pipistrelle 3 09-06-17 23:53 Soprano pipistrelle 3 09-06-17 23:54				
09-06-17 23:42 Common pipistrelle social call 1 09-06-17 23:42 Common pipistrelle 1 09-06-17 23:43 Soprano pipistrelle 2 09-06-17 23:43 Common pipistrelle 3 09-06-17 23:44 Soprano pipistrelle 3 09-06-17 23:45 Soprano pipistrelle 1 09-06-17 23:46 Soprano pipistrelle 1 09-06-17 23:48 Soprano pipistrelle 2 09-06-17 23:48 Soprano pipistrelle 3 09-06-17 23:48 Soprano pipistrelle 3 09-06-17 23:49 Soprano pipistrelle 3 09-06-17 23:49 Soprano pipistrelle 3 09-06-17 23:50 Soprano pipistrelle 3 09-06-17 23:51 Soprano pipistrelle 3 09-06-17 23:52 Soprano pipistrelle 3 09-06-17 23:53 Soprano pipistrelle 4 09-06-17 23:5			• •	
09-06-17 23:42 Common pipistrelle 1 09-06-17 23:43 Soprano pipistrelle 2 09-06-17 23:43 Common pipistrelle 1 09-06-17 23:43 Soprano pipistrelle 3 09-06-17 23:44 Soprano pipistrelle 1 09-06-17 23:45 Soprano pipistrelle 1 09-06-17 23:46 Soprano pipistrelle 2 09-06-17 23:48 Soprano pipistrelle 3 09-06-17 23:48 Soprano pipistrelle 3 09-06-17 23:50 Soprano pipistrelle 3 09-06-17 23:50 Soprano pipistrelle 3 09-06-17 23:51 Soprano pipistrelle 3 09-06-17 23:52 Soprano pipistrelle 3 09-06-17 23:53 Soprano pipistrelle 3 09-06-17 23:54 Soprano pipistrelle 4 09-06-17 23:55 Soprano pipistrelle 2 09-06-17 23:58				
09-06-17 23:42 Soprano pipistrelle 1 09-06-17 23:43 Common pipistrelle 1 09-06-17 23:44 Soprano pipistrelle 3 09-06-17 23:45 Soprano pipistrelle 1 09-06-17 23:46 Soprano pipistrelle 2 09-06-17 23:47 Soprano pipistrelle 1 09-06-17 23:48 Soprano pipistrelle 3 09-06-17 23:48 Soprano pipistrelle 3 09-06-17 23:49 Soprano pipistrelle 3 09-06-17 23:50 Soprano pipistrelle 3 09-06-17 23:51 Soprano pipistrelle 3 09-06-17 23:52 Soprano pipistrelle 3 09-06-17 23:53 Soprano pipistrelle 3 09-06-17 23:54 Soprano pipistrelle 4 09-06-17 23:55 Soprano pipistrelle 2 09-06-17 23:55 Soprano pipistrelle 2 09-06-17 23:58				
09-06-17 23:43 Common pipistrelle 1 09-06-17 23:43 Soprano pipistrelle 3 09-06-17 23:45 Soprano pipistrelle 1 09-06-17 23:46 Soprano pipistrelle 1 09-06-17 23:47 Soprano pipistrelle 1 09-06-17 23:48 Soprano pipistrelle 3 09-06-17 23:49 Soprano pipistrelle 3 09-06-17 23:50 Soprano pipistrelle 3 09-06-17 23:51 Soprano pipistrelle 3 09-06-17 23:52 Soprano pipistrelle 3 09-06-17 23:53 Soprano pipistrelle 3 09-06-17 23:53 Soprano pipistrelle 3 09-06-17 23:54 Soprano pipistrelle 4 09-06-17 23:55 Soprano pipistrelle 2 09-06-17 23:56 Soprano pipistrelle 2 09-06-17 23:58 Soprano pipistrelle 2 09-06-17 23:58		23:42		
09-06-17 23:43 Soprano pipistrelle 3 09-06-17 23:44 Soprano pipistrelle 3 09-06-17 23:45 Soprano pipistrelle 1 09-06-17 23:46 Soprano pipistrelle 2 09-06-17 23:48 Soprano pipistrelle 3 09-06-17 23:48 Soprano pipistrelle 3 09-06-17 23:50 Soprano pipistrelle 3 09-06-17 23:51 Soprano pipistrelle 3 09-06-17 23:52 Soprano pipistrelle 3 09-06-17 23:53 Soprano pipistrelle 3 09-06-17 23:53 Soprano pipistrelle 3 09-06-17 23:54 Soprano pipistrelle 4 09-06-17 23:55 Soprano pipistrelle 2 09-06-17 23:56 Soprano pipistrelle 2 09-06-17 23:57 Soprano pipistrelle 2 09-06-17 23:58 Soprano pipistrelle social call 1 09-06-17 2	09-06-17	23:42	Soprano pipistrelle	2
09-06-17 23:44 Soprano pipistrelle 3 09-06-17 23:45 Soprano pipistrelle 1 09-06-17 23:46 Soprano pipistrelle 2 09-06-17 23:47 Soprano pipistrelle 1 09-06-17 23:48 Soprano pipistrelle 3 09-06-17 23:50 Soprano pipistrelle 3 09-06-17 23:51 Soprano pipistrelle 3 09-06-17 23:52 Soprano pipistrelle 3 09-06-17 23:53 Soprano pipistrelle 3 09-06-17 23:53 Soprano pipistrelle 3 09-06-17 23:53 Soprano pipistrelle 4 09-06-17 23:55 Soprano pipistrelle 2 09-06-17 23:55 Soprano pipistrelle 2 09-06-17 23:56 Soprano pipistrelle 2 09-06-17 23:58 Soprano pipistrelle social call 1 09-06-17 23:58 Soprano pipistrelle 1 09-06-17 2	09-06-17	23:43	Common pipistrelle	
09-06-17 23:45 Soprano pipistrelle 1 09-06-17 23:46 Soprano pipistrelle 2 09-06-17 23:48 Soprano pipistrelle 1 09-06-17 23:48 Soprano pipistrelle 3 09-06-17 23:49 Soprano pipistrelle 3 09-06-17 23:50 Soprano pipistrelle 3 09-06-17 23:51 Soprano pipistrelle 3 09-06-17 23:52 Soprano pipistrelle 3 09-06-17 23:53 Soprano pipistrelle 3 09-06-17 23:54 Soprano pipistrelle 3 09-06-17 23:55 Soprano pipistrelle 2 09-06-17 23:55 Soprano pipistrelle 2 09-06-17 23:55 Soprano pipistrelle 2 09-06-17 23:58 Common pipistrelle social call 1 09-06-17 23:58 Soprano pipistrelle social call 1 09-06-17 23:59 Soprano pipistrelle 1 09-06-17	09-06-17	23:43	Soprano pipistrelle	3
09-06-17 23:46 Soprano pipistrelle 2 09-06-17 23:47 Soprano pipistrelle 1 09-06-17 23:48 Soprano pipistrelle 3 09-06-17 23:49 Soprano pipistrelle 3 09-06-17 23:50 Soprano pipistrelle 3 09-06-17 23:51 Soprano pipistrelle 3 09-06-17 23:52 Soprano pipistrelle 3 09-06-17 23:53 Soprano pipistrelle 3 09-06-17 23:54 Soprano pipistrelle 3 09-06-17 23:55 Soprano pipistrelle 2 09-06-17 23:55 Soprano pipistrelle 2 09-06-17 23:56 Soprano pipistrelle 2 09-06-17 23:58 Common pipistrelle social call 1 09-06-17 23:58 Common pipistrelle social call 1 09-06-17 23:58 Soprano pipistrelle 1 09-06-17 23:59 Soprano pipistrelle 1 09-06-17	09-06-17	23:44	Soprano pipistrelle	3
09-06-17 23:47 Soprano pipistrelle 1 09-06-17 23:48 Soprano pipistrelle 3 09-06-17 23:49 Soprano pipistrelle 3 09-06-17 23:50 Soprano pipistrelle 3 09-06-17 23:51 Soprano pipistrelle 3 09-06-17 23:52 Soprano pipistrelle 3 09-06-17 23:53 Soprano pipistrelle 3 09-06-17 23:54 Soprano pipistrelle 4 09-06-17 23:55 Soprano pipistrelle 2 09-06-17 23:56 Soprano pipistrelle 2 09-06-17 23:57 Soprano pipistrelle 2 09-06-17 23:58 Common pipistrelle social call 1 09-06-17 23:58 Soprano pipistrelle 1 09-06-17 23:58 Soprano pipistrelle 1 09-06-17 23:59 Soprano pipistrelle 1 09-06-17 23:59 Soprano pipistrelle 2 10-06-17 00	09-06-17	23:45	Soprano pipistrelle	1
09-06-17 23:48 Soprano pipistrelle 3 09-06-17 23:49 Soprano pipistrelle 3 09-06-17 23:50 Soprano pipistrelle 3 09-06-17 23:51 Soprano pipistrelle 3 09-06-17 23:52 Soprano pipistrelle 3 09-06-17 23:53 Soprano pipistrelle 3 09-06-17 23:54 Soprano pipistrelle 4 09-06-17 23:55 Soprano pipistrelle 2 09-06-17 23:56 Soprano pipistrelle 2 09-06-17 23:57 Soprano pipistrelle 2 09-06-17 23:58 Common pipistrelle social call 1 09-06-17 23:58 Soprano pipistrelle social call 1 09-06-17 23:58 Soprano pipistrelle 1 09-06-17 23:59 Soprano pipistrelle 1 09-06-17 23:59 Soprano pipistrelle 2 10-06-17 00:00 Common pipistrelle 1 10-06-17	09-06-17	23:46	Soprano pipistrelle	2
09-06-17 23:49 Soprano pipistrelle 3 09-06-17 23:50 Soprano pipistrelle 3 09-06-17 23:51 Soprano pipistrelle 3 09-06-17 23:52 Soprano pipistrelle 3 09-06-17 23:53 Soprano pipistrelle 3 09-06-17 23:54 Soprano pipistrelle 4 09-06-17 23:55 Soprano pipistrelle 2 09-06-17 23:56 Soprano pipistrelle 2 09-06-17 23:57 Soprano pipistrelle 4 09-06-17 23:58 Common pipistrelle social call 1 09-06-17 23:58 Soprano pipistrelle social call 1 09-06-17 23:58 Soprano pipistrelle 1 09-06-17 23:58 Soprano pipistrelle 1 09-06-17 23:59 Common pipistrelle 1 09-06-17 23:59 Soprano pipistrelle 2 10-06-17 00:00 Common pipistrelle 2 10-06-17	09-06-17	23:47	Soprano pipistrelle	1
09-06-17 23:50 Soprano pipistrelle 3 09-06-17 23:51 Soprano pipistrelle 3 09-06-17 23:52 Soprano pipistrelle 3 09-06-17 23:53 Soprano pipistrelle 3 09-06-17 23:54 Soprano pipistrelle 4 09-06-17 23:55 Soprano pipistrelle 2 09-06-17 23:56 Soprano pipistrelle 2 09-06-17 23:58 Common pipistrelle 4 09-06-17 23:58 Common pipistrelle social call 1 09-06-17 23:58 Soprano pipistrelle social call 1 09-06-17 23:58 Soprano pipistrelle 1 09-06-17 23:59 Soprano pipistrelle 1 09-06-17 23:59 Soprano pipistrelle 2 10-06-17 00:00 Common pipistrelle 2 10-06-17 00:00 Soprano pipistrelle 2 10-06-17 00:02 Soprano pipistrelle 1 10-06-17	09-06-17	23:48	Soprano pipistrelle	3
09-06-17 23:50 Soprano pipistrelle 3 09-06-17 23:51 Soprano pipistrelle 3 09-06-17 23:52 Soprano pipistrelle 3 09-06-17 23:53 Soprano pipistrelle 3 09-06-17 23:54 Soprano pipistrelle 4 09-06-17 23:55 Soprano pipistrelle 2 09-06-17 23:56 Soprano pipistrelle 2 09-06-17 23:58 Common pipistrelle 4 09-06-17 23:58 Common pipistrelle social call 1 09-06-17 23:58 Soprano pipistrelle social call 1 09-06-17 23:58 Soprano pipistrelle 1 09-06-17 23:59 Soprano pipistrelle 1 09-06-17 23:59 Soprano pipistrelle 2 10-06-17 00:00 Common pipistrelle 2 10-06-17 00:00 Soprano pipistrelle 2 10-06-17 00:02 Soprano pipistrelle 1 10-06-17	09-06-17	23:49	Soprano pipistrelle	3
09-06-17 23:51 Soprano pipistrelle 3 09-06-17 23:52 Soprano pipistrelle 3 09-06-17 23:53 Soprano pipistrelle 3 09-06-17 23:54 Soprano pipistrelle 4 09-06-17 23:55 Soprano pipistrelle 2 09-06-17 23:56 Soprano pipistrelle 2 09-06-17 23:57 Soprano pipistrelle 4 09-06-17 23:58 Common pipistrelle social call 1 09-06-17 23:58 Soprano pipistrelle social call 1 09-06-17 23:58 Soprano pipistrelle 1 09-06-17 23:58 Soprano pipistrelle 1 09-06-17 23:59 Soprano pipistrelle 1 09-06-17 23:59 Soprano pipistrelle 2 10-06-17 00:00 Common pipistrelle 2 10-06-17 00:00 Soprano pipistrelle 4 10-06-17 00:01 Soprano pipistrelle 2 10-06-17	09-06-17	23:50		3
09-06-17 23:52 Soprano pipistrelle 3 09-06-17 23:53 Soprano pipistrelle 3 09-06-17 23:54 Soprano pipistrelle 4 09-06-17 23:55 Soprano pipistrelle 2 09-06-17 23:56 Soprano pipistrelle 2 09-06-17 23:57 Soprano pipistrelle 4 09-06-17 23:58 Common pipistrelle social call 1 09-06-17 23:58 Soprano pipistrelle social call 1 09-06-17 23:58 Soprano pipistrelle 1 09-06-17 23:58 Soprano pipistrelle 1 09-06-17 23:59 Common pipistrelle 1 09-06-17 23:59 Soprano pipistrelle 2 10-06-17 00:00 Common pipistrelle 1 10-06-17 00:01 Soprano pipistrelle 2 10-06-17 00:02 Common pipistrelle 1 10-06-17 00:03 Common pipistrelle 1 10-06-17		23:51		3
09-06-17 23:53 Soprano pipistrelle 3 09-06-17 23:54 Soprano pipistrelle 4 09-06-17 23:55 Soprano pipistrelle 2 09-06-17 23:56 Soprano pipistrelle 2 09-06-17 23:57 Soprano pipistrelle 4 09-06-17 23:58 Common pipistrelle social call 1 09-06-17 23:58 Soprano pipistrelle 1 09-06-17 23:58 Soprano pipistrelle 1 09-06-17 23:58 Soprano pipistrelle 1 09-06-17 23:59 Common pipistrelle 1 09-06-17 23:59 Soprano pipistrelle 2 10-06-17 00:00 Common pipistrelle 2 10-06-17 00:01 Soprano pipistrelle 2 10-06-17 00:02 Common pipistrelle 3 10-06-17 00:03 Common pipistrelle 3 10-06-17 00:03 Soprano pipistrelle 2 10-06-17 00:05<				
09-06-17 23:54 Soprano pipistrelle 4 09-06-17 23:55 Soprano pipistrelle 2 09-06-17 23:56 Soprano pipistrelle 2 09-06-17 23:57 Soprano pipistrelle 4 09-06-17 23:58 Common pipistrelle social call 1 09-06-17 23:58 Soprano pipistrelle 1 09-06-17 23:59 Common pipistrelle 1 09-06-17 23:59 Soprano pipistrelle 2 10-06-17 00:00 Common pipistrelle 2 10-06-17 00:00 Soprano pipistrelle 2 10-06-17 00:00 Soprano pipistrelle 2 10-06-17 00:01 Soprano pipistrelle 2 10-06-17 00:02 Common pipistrelle 3 10-06-17 00:03 Common pipistrelle 1 10-06-17 00:03 Soprano pipistrelle 1 10-06-17 00:05 Common pipistrelle 2 10-06-17 00:06 </td <td></td> <td></td> <td></td> <td></td>				
09-06-17 23:55 Soprano pipistrelle 2 09-06-17 23:56 Soprano pipistrelle 2 09-06-17 23:57 Soprano pipistrelle 4 09-06-17 23:58 Common pipistrelle social call 1 09-06-17 23:58 Soprano pipistrelle 1 09-06-17 23:58 Soprano pipistrelle 1 09-06-17 23:59 Common pipistrelle 1 09-06-17 23:59 Soprano pipistrelle 2 10-06-17 00:00 Common pipistrelle 2 10-06-17 00:00 Soprano pipistrelle 4 10-06-17 00:01 Soprano pipistrelle 2 10-06-17 00:02 Common pipistrelle 2 10-06-17 00:02 Soprano pipistrelle 3 10-06-17 00:03 Common pipistrelle 1 10-06-17 00:03 Soprano pipistrelle 1 10-06-17 00:05 Common pipistrelle 2 10-06-17 00:06 </td <td></td> <td></td> <td></td> <td></td>				
09-06-17 23:56 Soprano pipistrelle 2 09-06-17 23:57 Soprano pipistrelle 4 09-06-17 23:58 Common pipistrelle social call 1 09-06-17 23:58 Soprano pipistrelle social call 1 09-06-17 23:58 Soprano pipistrelle 1 09-06-17 23:59 Common pipistrelle 1 09-06-17 23:59 Soprano pipistrelle 2 10-06-17 00:00 Common pipistrelle 2 10-06-17 00:00 Soprano pipistrelle 4 10-06-17 00:01 Soprano pipistrelle 2 10-06-17 00:02 Common pipistrelle 1 10-06-17 00:02 Soprano pipistrelle 3 10-06-17 00:03 Common pipistrelle 1 10-06-17 00:03 Soprano pipistrelle 1 10-06-17 00:05 Common pipistrelle 1 10-06-17 00:06 Soprano pipistrelle social call 1 10-06-17<				
09-06-17 23:57 Soprano pipistrelle 4 09-06-17 23:58 Common pipistrelle social call 1 09-06-17 23:58 Soprano pipistrelle social call 1 09-06-17 23:58 Soprano pipistrelle 1 09-06-17 23:59 Common pipistrelle 1 09-06-17 23:59 Soprano pipistrelle 2 10-06-17 00:00 Common pipistrelle 1 10-06-17 00:00 Soprano pipistrelle 4 10-06-17 00:01 Soprano pipistrelle 2 10-06-17 00:02 Common pipistrelle 1 10-06-17 00:02 Soprano pipistrelle 3 10-06-17 00:03 Common pipistrelle 1 10-06-17 00:03 Soprano pipistrelle 1 10-06-17 00:05 Common pipistrelle 1 10-06-17 00:06 Common pipistrelle social call 1 10-06-17 00:06 Soprano pipistrelle 2 10-06-17 </td <td></td> <td></td> <td></td> <td></td>				
09-06-17 23:58 Common pipistrelle social call 1 09-06-17 23:58 Soprano pipistrelle social call 1 09-06-17 23:58 Soprano pipistrelle 1 09-06-17 23:59 Common pipistrelle 2 10-06-17 00:00 Common pipistrelle 2 10-06-17 00:00 Soprano pipistrelle 4 10-06-17 00:01 Soprano pipistrelle 2 10-06-17 00:02 Common pipistrelle 2 10-06-17 00:02 Common pipistrelle 1 10-06-17 00:03 Common pipistrelle 3 10-06-17 00:03 Common pipistrelle 2 10-06-17 00:03 Soprano pipistrelle 2 10-06-17 00:05 Common pipistrelle 1 10-06-17 00:06 Common pipistrelle social call 1 10-06-17 00:06 Soprano pipistrelle social call 1 10-06-17 00:06 Soprano pipistrelle 3				
09-06-17 23:58 Soprano pipistrelle social call 1 09-06-17 23:58 Soprano pipistrelle 1 09-06-17 23:59 Common pipistrelle 1 09-06-17 23:59 Soprano pipistrelle 2 10-06-17 00:00 Common pipistrelle 1 10-06-17 00:00 Soprano pipistrelle 4 10-06-17 00:01 Soprano pipistrelle 2 10-06-17 00:02 Common pipistrelle 1 10-06-17 00:02 Soprano pipistrelle 3 10-06-17 00:03 Common pipistrelle 1 10-06-17 00:03 Soprano pipistrelle 2 10-06-17 00:03 Soprano pipistrelle 2 10-06-17 00:03 Soprano pipistrelle 1 10-06-17 00:05 Common pipistrelle 1 10-06-17 00:06 Common pipistrelle social call 1 10-06-17 00:06 Soprano pipistrelle 2 10-06-17				
09-06-17 23:58 Soprano pipistrelle 1 09-06-17 23:59 Common pipistrelle 1 09-06-17 23:59 Soprano pipistrelle 2 10-06-17 00:00 Common pipistrelle 1 10-06-17 00:00 Soprano pipistrelle 4 10-06-17 00:01 Soprano pipistrelle 2 10-06-17 00:02 Common pipistrelle 1 10-06-17 00:02 Soprano pipistrelle 3 10-06-17 00:03 Common pipistrelle 1 10-06-17 00:03 Soprano pipistrelle 2 10-06-17 00:05 Common pipistrelle 1 10-06-17 00:06 Common pipistrelle social call 1 10-06-17 00:06 Soprano pipistrelle 2 10-06-17 00:06 Common pipistrelle 2 10-06-17 00:06 Soprano pipistrelle 3 10-06-17 00:08 Soprano pipistrelle 3 10-06-17 00:09 <td></td> <td></td> <td></td> <td></td>				
09-06-17 23:59 Common pipistrelle 1 09-06-17 23:59 Soprano pipistrelle 2 10-06-17 00:00 Common pipistrelle 1 10-06-17 00:00 Soprano pipistrelle 4 10-06-17 00:01 Soprano pipistrelle 2 10-06-17 00:02 Common pipistrelle 1 10-06-17 00:03 Common pipistrelle 3 10-06-17 00:03 Soprano pipistrelle 2 10-06-17 00:03 Soprano pipistrelle 2 10-06-17 00:05 Common pipistrelle 2 10-06-17 00:06 Common pipistrelle social call 1 10-06-17 00:06 Soprano pipistrelle social call 1 10-06-17 00:06 Soprano pipistrelle 2 10-06-17 00:06 Soprano pipistrelle 3 10-06-17 00:07 Soprano pipistrelle 3 10-06-17 00:08 Soprano pipistrelle 2 10-06-17				
09-06-17 23:59 Soprano pipistrelle 2 10-06-17 00:00 Common pipistrelle 1 10-06-17 00:00 Soprano pipistrelle 4 10-06-17 00:01 Soprano pipistrelle 2 10-06-17 00:02 Common pipistrelle 1 10-06-17 00:02 Soprano pipistrelle 3 10-06-17 00:03 Common pipistrelle 1 10-06-17 00:03 Soprano pipistrelle 2 10-06-17 00:05 Common pipistrelle 1 10-06-17 00:06 Common pipistrelle social call 1 10-06-17 00:06 Soprano pipistrelle social call 1 10-06-17 00:06 Common pipistrelle 2 10-06-17 00:06 Soprano pipistrelle 3 10-06-17 00:06 Soprano pipistrelle 3 10-06-17 00:08 Soprano pipistrelle 3 10-06-17 00:09 Common pipistrelle 2 10-06-17				
10-06-17 00:00 Common pipistrelle 1 10-06-17 00:00 Soprano pipistrelle 4 10-06-17 00:01 Soprano pipistrelle 2 10-06-17 00:02 Common pipistrelle 1 10-06-17 00:02 Soprano pipistrelle 3 10-06-17 00:03 Common pipistrelle 1 10-06-17 00:03 Soprano pipistrelle 2 10-06-17 00:05 Common pipistrelle 1 10-06-17 00:06 Common pipistrelle social call 1 10-06-17 00:06 Soprano pipistrelle social call 1 10-06-17 00:06 Common pipistrelle 2 10-06-17 00:06 Soprano pipistrelle 2 10-06-17 00:06 Soprano pipistrelle 3 10-06-17 00:07 Soprano pipistrelle 3 10-06-17 00:08 Soprano pipistrelle 3 10-06-17 00:09 Common pipistrelle 1 10-06-17			• •	
10-06-17 00:00 Soprano pipistrelle 4 10-06-17 00:01 Soprano pipistrelle 2 10-06-17 00:02 Common pipistrelle 1 10-06-17 00:03 Common pipistrelle 3 10-06-17 00:03 Common pipistrelle 2 10-06-17 00:03 Soprano pipistrelle 2 10-06-17 00:05 Common pipistrelle 1 10-06-17 00:06 Common pipistrelle social call 1 10-06-17 00:06 Soprano pipistrelle social call 1 10-06-17 00:06 Common pipistrelle 2 10-06-17 00:06 Soprano pipistrelle 1 10-06-17 00:06 Soprano pipistrelle 3 10-06-17 00:08 Soprano pipistrelle 3 10-06-17 00:09 Common pipistrelle 2 10-06-17 00:09 Soprano pipistrelle 1 10-06-17 00:10 Common pipistrelle 1 10-06-17 <				
10-06-17 00:01 Soprano pipistrelle 2 10-06-17 00:02 Common pipistrelle 1 10-06-17 00:02 Soprano pipistrelle 3 10-06-17 00:03 Common pipistrelle 1 10-06-17 00:03 Soprano pipistrelle 2 10-06-17 00:05 Common pipistrelle 1 10-06-17 00:06 Common pipistrelle social call 1 10-06-17 00:06 Soprano pipistrelle social call 1 10-06-17 00:06 Common pipistrelle 2 10-06-17 00:06 Soprano pipistrelle 1 10-06-17 00:06 Soprano pipistrelle 3 10-06-17 00:08 Soprano pipistrelle 3 10-06-17 00:09 Common pipistrelle 1 10-06-17 00:10 Common pipistrelle 1 10-06-17 00:10 Soprano pipistrelle 1 10-06-17 00:10 Soprano pipistrelle 3 10-06-17			' '	
10-06-17 00:02 Common pipistrelle 1 10-06-17 00:02 Soprano pipistrelle 3 10-06-17 00:03 Common pipistrelle 1 10-06-17 00:03 Soprano pipistrelle 2 10-06-17 00:05 Common pipistrelle 1 10-06-17 00:06 Common pipistrelle social call 1 10-06-17 00:06 Soprano pipistrelle 2 10-06-17 00:06 Common pipistrelle 2 10-06-17 00:06 Soprano pipistrelle 1 10-06-17 00:07 Soprano pipistrelle 3 10-06-17 00:08 Soprano pipistrelle 3 10-06-17 00:09 Common pipistrelle 1 10-06-17 00:10 Common pipistrelle 1 10-06-17 00:10 Soprano pipistrelle 3 10-06-17 00:10 Soprano pipistrelle 1 10-06-17 00:10 Soprano pipistrelle 3 10-06-17 00:10 <td></td> <td></td> <td></td> <td></td>				
10-06-17 00:02 Soprano pipistrelle 3 10-06-17 00:03 Common pipistrelle 1 10-06-17 00:03 Soprano pipistrelle 2 10-06-17 00:05 Common pipistrelle 1 10-06-17 00:06 Common pipistrelle social call 1 10-06-17 00:06 Soprano pipistrelle social call 1 10-06-17 00:06 Common pipistrelle 2 10-06-17 00:06 Soprano pipistrelle 1 10-06-17 00:07 Soprano pipistrelle 3 10-06-17 00:08 Soprano pipistrelle 3 10-06-17 00:09 Common pipistrelle 2 10-06-17 00:09 Soprano pipistrelle 1 10-06-17 00:10 Common pipistrelle 1 10-06-17 00:10 Soprano pipistrelle 3 10-06-17 00:10 Common pipistrelle 1				
10-06-17 00:03 Common pipistrelle 1 10-06-17 00:03 Soprano pipistrelle 2 10-06-17 00:05 Common pipistrelle 1 10-06-17 00:06 Common pipistrelle social call 1 10-06-17 00:06 Soprano pipistrelle social call 1 10-06-17 00:06 Common pipistrelle 2 10-06-17 00:06 Soprano pipistrelle 1 10-06-17 00:07 Soprano pipistrelle 3 10-06-17 00:08 Soprano pipistrelle 3 10-06-17 00:09 Common pipistrelle 1 10-06-17 00:10 Common pipistrelle 1 10-06-17 00:10 Soprano pipistrelle 3 10-06-17 00:10 Soprano pipistrelle 3 10-06-17 00:10 Common pipistrelle 3 10-06-17 00:10 Common pipistrelle 1				
10-06-17 00:03 Soprano pipistrelle 2 10-06-17 00:05 Common pipistrelle 1 10-06-17 00:06 Common pipistrelle social call 1 10-06-17 00:06 Soprano pipistrelle social call 1 10-06-17 00:06 Common pipistrelle 2 10-06-17 00:06 Soprano pipistrelle 1 10-06-17 00:07 Soprano pipistrelle 3 10-06-17 00:08 Soprano pipistrelle 3 10-06-17 00:09 Common pipistrelle 1 10-06-17 00:10 Common pipistrelle 1 10-06-17 00:10 Soprano pipistrelle 3 10-06-17 00:10 Soprano pipistrelle 3 10-06-17 00:10 Soprano pipistrelle 3 10-06-17 00:10 Common pipistrelle 1		ļ		
10-06-17 00:05 Common pipistrelle 1 10-06-17 00:06 Common pipistrelle social call 1 10-06-17 00:06 Soprano pipistrelle social call 1 10-06-17 00:06 Common pipistrelle 2 10-06-17 00:06 Soprano pipistrelle 1 10-06-17 00:07 Soprano pipistrelle 3 10-06-17 00:08 Soprano pipistrelle 3 10-06-17 00:09 Common pipistrelle 1 10-06-17 00:10 Common pipistrelle 1 10-06-17 00:10 Soprano pipistrelle 3 10-06-17 00:10 Soprano pipistrelle 3 10-06-17 00:10 Common pipistrelle 3 10-06-17 00:10 Common pipistrelle 1				
10-06-17 00:06 Common pipistrelle social call 1 10-06-17 00:06 Soprano pipistrelle social call 1 10-06-17 00:06 Common pipistrelle 2 10-06-17 00:06 Soprano pipistrelle 1 10-06-17 00:07 Soprano pipistrelle 3 10-06-17 00:08 Soprano pipistrelle 3 10-06-17 00:09 Common pipistrelle 2 10-06-17 00:10 Common pipistrelle 1 10-06-17 00:10 Soprano pipistrelle 3 10-06-17 00:10 Soprano pipistrelle 3 10-06-17 00:10 Common pipistrelle 1				
10-06-17 00:06 Soprano pipistrelle social call 1 10-06-17 00:06 Common pipistrelle 2 10-06-17 00:06 Soprano pipistrelle 1 10-06-17 00:07 Soprano pipistrelle 3 10-06-17 00:08 Soprano pipistrelle 3 10-06-17 00:09 Common pipistrelle 2 10-06-17 00:09 Soprano pipistrelle 1 10-06-17 00:10 Common pipistrelle 1 10-06-17 00:10 Soprano pipistrelle 3 10-06-17 00:11 Common pipistrelle 1				
10-06-17 00:06 Common pipistrelle 2 10-06-17 00:06 Soprano pipistrelle 1 10-06-17 00:07 Soprano pipistrelle 3 10-06-17 00:08 Soprano pipistrelle 3 10-06-17 00:09 Common pipistrelle 2 10-06-17 00:09 Soprano pipistrelle 1 10-06-17 00:10 Common pipistrelle 1 10-06-17 00:10 Soprano pipistrelle 3 10-06-17 00:11 Common pipistrelle 1				
10-06-17 00:06 Soprano pipistrelle 1 10-06-17 00:07 Soprano pipistrelle 3 10-06-17 00:08 Soprano pipistrelle 3 10-06-17 00:09 Common pipistrelle 2 10-06-17 00:09 Soprano pipistrelle 1 10-06-17 00:10 Common pipistrelle 1 10-06-17 00:10 Soprano pipistrelle 3 10-06-17 00:11 Common pipistrelle 1			· · · · · · · · · · · · · · · · · · ·	
10-06-17 00:07 Soprano pipistrelle 3 10-06-17 00:08 Soprano pipistrelle 3 10-06-17 00:09 Common pipistrelle 2 10-06-17 00:09 Soprano pipistrelle 1 10-06-17 00:10 Common pipistrelle 1 10-06-17 00:10 Soprano pipistrelle 3 10-06-17 00:11 Common pipistrelle 1				
10-06-17 00:08 Soprano pipistrelle 3 10-06-17 00:09 Common pipistrelle 2 10-06-17 00:09 Soprano pipistrelle 1 10-06-17 00:10 Common pipistrelle 1 10-06-17 00:10 Soprano pipistrelle 3 10-06-17 00:11 Common pipistrelle 1		ļ		
10-06-17 00:09 Common pipistrelle 2 10-06-17 00:09 Soprano pipistrelle 1 10-06-17 00:10 Common pipistrelle 1 10-06-17 00:10 Soprano pipistrelle 3 10-06-17 00:11 Common pipistrelle 1		ļ		
10-06-17 00:09 Soprano pipistrelle 1 10-06-17 00:10 Common pipistrelle 1 10-06-17 00:10 Soprano pipistrelle 3 10-06-17 00:11 Common pipistrelle 1				
10-06-17 00:10 Common pipistrelle 1 10-06-17 00:10 Soprano pipistrelle 3 10-06-17 00:11 Common pipistrelle 1				
10-06-17 00:10 Soprano pipistrelle 3 10-06-17 00:11 Common pipistrelle 1	10-06-17			1
10-06-17 00:11 Common pipistrelle 1	10-06-17	00:10	Common pipistrelle	
1 1	10-06-17	00:10	Soprano pipistrelle	3
10.06.17 00:11 Conrona piniatrolla 2	10-06-17	00:11	Common pipistrelle	
10-00-17 00.11 Soprano pipistrelle 2	10-06-17	00:11	Soprano pipistrelle	2

10-06-17	40.00.47	00.40	0	
10-06-17				
10-06-17				·
10-06-17				
10-06-17				-
10-06-17				
10-06-17			• •	
10-06-17				
10-06-17				
10-06-17	10-06-17	00:17		
10-06-17	10-06-17	00:18		3
10-06-17	10-06-17	00:19	Soprano pipistrelle	1
10-06-17 00:25 Common pipistrelle 2 10-06-17 00:25 Soprano pipistrelle 2 10-06-17 00:26 Common pipistrelle social call 1 10-06-17 00:26 Soprano pipistrelle 3 10-06-17 00:27 Soprano pipistrelle 3 10-06-17 00:28 Soprano pipistrelle 3 10-06-17 00:29 Noctule 1 10-06-17 00:29 Soprano pipistrelle 2 10-06-17 00:30 Soprano pipistrelle 2 10-06-17 00:30 Soprano pipistrelle 4 10-06-17 00:31 Soprano pipistrelle 4 10-06-17 00:32 Soprano pipistrelle 2 10-06-17 00:32 Soprano pipistrelle 3 10-06-17 00:33 Soprano pipistrelle 5 10-06-17 00:34 Soprano pipistrelle 5 10-06-17 00:36 Common pipistrelle 1 10-06-17 00:36	10-06-17	00:23	Soprano pipistrelle	1
10-06-17 00:25 Soprano pipistrelle 2 10-06-17 00:26 Common pipistrelle social call 1 10-06-17 00:26 Soprano pipistrelle 3 10-06-17 00:27 Soprano pipistrelle 3 10-06-17 00:28 Soprano pipistrelle 3 10-06-17 00:29 Noctule 1 10-06-17 00:39 Soprano pipistrelle 2 10-06-17 00:30 Soprano pipistrelle 4 10-06-17 00:31 Soprano pipistrelle 4 10-06-17 00:32 Soprano pipistrelle social call 1 10-06-17 00:32 Soprano pipistrelle 3 10-06-17 00:33 Soprano pipistrelle 3 10-06-17 00:33 Soprano pipistrelle 5 10-06-17 00:34 Soprano pipistrelle 5 10-06-17 00:35 Soprano pipistrelle 1 10-06-17 00:36 Common pipistrelle 3 10-06-17 00:	10-06-17	00:24	Common pipistrelle	1
10-06-17 00:26 Common pipistrelle social call 1 10-06-17 00:26 Soprano pipistrelle 3 10-06-17 00:27 Soprano pipistrelle 3 10-06-17 00:28 Soprano pipistrelle 3 10-06-17 00:29 Noctule 1 10-06-17 00:30 Soprano pipistrelle 2 10-06-17 00:31 Soprano pipistrelle 4 10-06-17 00:32 Soprano pipistrelle social call 1 10-06-17 00:32 Soprano pipistrelle 2 10-06-17 00:32 Soprano pipistrelle 2 10-06-17 00:32 Soprano pipistrelle 3 10-06-17 00:33 Soprano pipistrelle 5 10-06-17 00:34 Soprano pipistrelle 5 10-06-17 00:35 Soprano pipistrelle 1 10-06-17 00:36 Common pipistrelle 3 10-06-17 00:36 Soprano pipistrelle 3 10-06-17 00:	10-06-17	00:25	Common pipistrelle	2
10-06-17 00:26 Soprano pipistrelle 3 10-06-17 00:27 Soprano pipistrelle 3 10-06-17 00:28 Soprano pipistrelle 3 10-06-17 00:29 Noctule 1 10-06-17 00:30 Soprano pipistrelle 2 10-06-17 00:30 Soprano pipistrelle 4 10-06-17 00:31 Soprano pipistrelle 4 10-06-17 00:32 Soprano pipistrelle 4 10-06-17 00:32 Soprano pipistrelle 2 10-06-17 00:32 Soprano pipistrelle 3 10-06-17 00:33 Soprano pipistrelle 3 10-06-17 00:34 Soprano pipistrelle 5 10-06-17 00:35 Soprano pipistrelle 1 10-06-17 00:36 Common pipistrelle social call 2 10-06-17 00:36 Common pipistrelle 1 10-06-17 00:36 Soprano pipistrelle 1 10-06-17 00:38	10-06-17	00:25	Soprano pipistrelle	2
10-06-17 00:27 Soprano pipistrelle 3 10-06-17 00:28 Soprano pipistrelle 3 10-06-17 00:29 Noctule 1 10-06-17 00:29 Soprano pipistrelle 2 10-06-17 00:30 Soprano pipistrelle 4 10-06-17 00:31 Soprano pipistrelle 4 10-06-17 00:32 Soprano pipistrelle social call 1 10-06-17 00:32 Soprano pipistrelle 2 10-06-17 00:32 Soprano pipistrelle 3 10-06-17 00:33 Soprano pipistrelle 3 10-06-17 00:34 Soprano pipistrelle 5 10-06-17 00:35 Soprano pipistrelle 1 10-06-17 00:36 Common pipistrelle 1 10-06-17 00:36 Soprano pipistrelle 3 10-06-17 00:37 Soprano pipistrelle 1 10-06-17 00:38 Common pipistrelle 1 10-06-17 00:38	10-06-17	00:26	Common pipistrelle social call	1
10-06-17 00:28 Soprano pipistrelle 3 10-06-17 00:29 Noctule 1 10-06-17 00:29 Soprano pipistrelle 2 10-06-17 00:30 Soprano pipistrelle 4 10-06-17 00:31 Soprano pipistrelle 4 10-06-17 00:32 Soprano pipistrelle social call 1 10-06-17 00:32 Soprano pipistrelle 2 10-06-17 00:33 Soprano pipistrelle 3 10-06-17 00:34 Soprano pipistrelle 5 10-06-17 00:35 Soprano pipistrelle 1 10-06-17 00:36 Common pipistrelle social call 2 10-06-17 00:36 Soprano pipistrelle 3 10-06-17 00:36 Soprano pipistrelle 3 10-06-17 00:37 Soprano pipistrelle 1 10-06-17 00:38 Common pipistrelle 1 10-06-17 00:39 Soprano pipistrelle 2 10-06-17 00:	10-06-17	00:26	Soprano pipistrelle	3
10-06-17 00:28 Soprano pipistrelle 3 10-06-17 00:29 Noctule 1 10-06-17 00:30 Soprano pipistrelle 2 10-06-17 00:30 Soprano pipistrelle 4 10-06-17 00:31 Soprano pipistrelle social call 1 10-06-17 00:32 Soprano pipistrelle social call 1 10-06-17 00:32 Soprano pipistrelle 2 10-06-17 00:33 Soprano pipistrelle 3 10-06-17 00:34 Soprano pipistrelle 5 10-06-17 00:35 Soprano pipistrelle 1 10-06-17 00:36 Common pipistrelle social call 2 10-06-17 00:36 Soprano pipistrelle 3 10-06-17 00:36 Soprano pipistrelle 1 10-06-17 00:37 Soprano pipistrelle 1 10-06-17 00:38 Soprano pipistrelle 1 10-06-17 00:39 Common pipistrelle 1 10-06-17	10-06-17	00:27	Soprano pipistrelle	3
10-06-17 00:29 Noctule 1 10-06-17 00:29 Soprano pipistrelle 2 10-06-17 00:30 Soprano pipistrelle 4 10-06-17 00:31 Soprano pipistrelle 4 10-06-17 00:32 Soprano pipistrelle social call 1 10-06-17 00:32 Soprano pipistrelle 2 10-06-17 00:33 Soprano pipistrelle 3 10-06-17 00:34 Soprano pipistrelle 5 10-06-17 00:35 Soprano pipistrelle 1 10-06-17 00:36 Common pipistrelle social call 2 10-06-17 00:36 Common pipistrelle 1 10-06-17 00:36 Soprano pipistrelle 1 10-06-17 00:36 Soprano pipistrelle 1 10-06-17 00:38 Common pipistrelle 1 10-06-17 00:38 Common pipistrelle 2 10-06-17 00:39 Common pipistrelle 2 10-06-17 00:40<	10-06-17	00:28		3
10-06-17 00:30 Soprano pipistrelle 4 10-06-17 00:31 Soprano pipistrelle 4 10-06-17 00:32 Soprano pipistrelle social call 1 10-06-17 00:32 Soprano pipistrelle 2 10-06-17 00:33 Soprano pipistrelle 3 10-06-17 00:34 Soprano pipistrelle 5 10-06-17 00:35 Soprano pipistrelle 1 10-06-17 00:36 Common pipistrelle social call 2 10-06-17 00:36 Common pipistrelle 1 10-06-17 00:36 Soprano pipistrelle 3 10-06-17 00:36 Soprano pipistrelle 3 10-06-17 00:38 Common pipistrelle 1 10-06-17 00:38 Soprano pipistrelle 2 10-06-17 00:39 Common pipistrelle 1 10-06-17 00:39 Soprano pipistrelle 2 10-06-17 00:40 Common pipistrelle 2 10-06-17	10-06-17	00:29	Noctule	1
10-06-17 00:30 Soprano pipistrelle 4 10-06-17 00:31 Soprano pipistrelle 4 10-06-17 00:32 Soprano pipistrelle social call 1 10-06-17 00:32 Soprano pipistrelle 2 10-06-17 00:33 Soprano pipistrelle 3 10-06-17 00:34 Soprano pipistrelle 5 10-06-17 00:35 Soprano pipistrelle 1 10-06-17 00:36 Common pipistrelle social call 2 10-06-17 00:36 Common pipistrelle 1 10-06-17 00:36 Soprano pipistrelle 3 10-06-17 00:36 Soprano pipistrelle 3 10-06-17 00:38 Common pipistrelle 1 10-06-17 00:38 Soprano pipistrelle 1 10-06-17 00:39 Common pipistrelle 2 10-06-17 00:39 Soprano pipistrelle 1 10-06-17 00:40 Common pipistrelle 1 10-06-17	10-06-17	00:29	Soprano pipistrelle	2
10-06-17 00:31 Soprano pipistrelle 4 10-06-17 00:32 Soprano pipistrelle social call 1 10-06-17 00:32 Soprano pipistrelle 2 10-06-17 00:33 Soprano pipistrelle 3 10-06-17 00:34 Soprano pipistrelle 5 10-06-17 00:35 Soprano pipistrelle 1 10-06-17 00:36 Common pipistrelle social call 2 10-06-17 00:36 Common pipistrelle 1 10-06-17 00:36 Soprano pipistrelle 3 10-06-17 00:36 Soprano pipistrelle 1 10-06-17 00:36 Soprano pipistrelle 1 10-06-17 00:37 Soprano pipistrelle 1 10-06-17 00:38 Common pipistrelle 1 10-06-17 00:38 Soprano pipistrelle 2 10-06-17 00:39 Soprano pipistrelle 2 10-06-17 00:40 Common pipistrelle 1 10-06-17	10-06-17	00:30		4
10-06-17 00:32 Soprano pipistrelle social call 1 10-06-17 00:32 Soprano pipistrelle 2 10-06-17 00:33 Soprano pipistrelle 3 10-06-17 00:34 Soprano pipistrelle 5 10-06-17 00:35 Soprano pipistrelle 1 10-06-17 00:36 Common pipistrelle social call 2 10-06-17 00:36 Common pipistrelle 1 10-06-17 00:36 Soprano pipistrelle 3 10-06-17 00:36 Soprano pipistrelle 1 10-06-17 00:36 Soprano pipistrelle 1 10-06-17 00:38 Common pipistrelle 1 10-06-17 00:38 Soprano pipistrelle 2 10-06-17 00:39 Common pipistrelle 2 10-06-17 00:40 Common pipistrelle 2 10-06-17 00:40 Common pipistrelle 3 10-06-17 00:41 Soprano pipistrelle 2 10-06-17	10-06-17	00:31		4
10-06-17 00:32 Soprano pipistrelle 2 10-06-17 00:33 Soprano pipistrelle 3 10-06-17 00:34 Soprano pipistrelle 5 10-06-17 00:35 Soprano pipistrelle 1 10-06-17 00:36 Common pipistrelle social call 2 10-06-17 00:36 Common pipistrelle 1 10-06-17 00:36 Soprano pipistrelle 3 10-06-17 00:36 Soprano pipistrelle 1 10-06-17 00:36 Soprano pipistrelle 1 10-06-17 00:37 Soprano pipistrelle 1 10-06-17 00:38 Common pipistrelle 2 10-06-17 00:38 Soprano pipistrelle 2 10-06-17 00:39 Soprano pipistrelle 2 10-06-17 00:40 Common pipistrelle social call 2 10-06-17 00:40 Soprano pipistrelle 3 10-06-17 00:41 Soprano pipistrelle 2 10-06-17				1
10-06-17 00:33 Soprano pipistrelle 3 10-06-17 00:34 Soprano pipistrelle 5 10-06-17 00:35 Soprano pipistrelle 1 10-06-17 00:36 Common pipistrelle social call 2 10-06-17 00:36 Common pipistrelle 1 10-06-17 00:36 Soprano pipistrelle 3 10-06-17 00:36 Soprano pipistrelle 1 10-06-17 00:37 Soprano pipistrelle 1 10-06-17 00:38 Common pipistrelle 1 10-06-17 00:38 Soprano pipistrelle 2 10-06-17 00:39 Soprano pipistrelle 2 10-06-17 00:39 Soprano pipistrelle social call 2 10-06-17 00:40 Common pipistrelle social call 2 10-06-17 00:40 Soprano pipistrelle 3 10-06-17 00:41 Soprano pipistrelle 2 10-06-17 00:41 Soprano pipistrelle 2 10-06-1				
10-06-17 00:34 Soprano pipistrelle 5 10-06-17 00:35 Soprano pipistrelle 1 10-06-17 00:36 Common pipistrelle social call 2 10-06-17 00:36 Common pipistrelle 1 10-06-17 00:36 Soprano pipistrelle 3 10-06-17 00:38 Soprano pipistrelle 1 10-06-17 00:38 Common pipistrelle 2 10-06-17 00:39 Soprano pipistrelle 2 10-06-17 00:39 Soprano pipistrelle social call 2 10-06-17 00:40 Common pipistrelle social call 2 10-06-17 00:40 Common pipistrelle social call 1 10-06-17 00:40 Soprano pipistrelle 3 10-06-17 00:40 Soprano pipistrelle 2 10-06-17 00:41 Soprano pipistrelle 2 10-06-17 00:41 Soprano pipistrelle 2 10-06-17 00:42 Soprano pipistrelle 2				
10-06-17 00:35 Soprano pipistrelle 1 10-06-17 00:36 Common pipistrelle social call 2 10-06-17 00:36 Common pipistrelle 1 10-06-17 00:36 Soprano pipistrelle 3 10-06-17 00:36 Soprano pipistrelle 1 10-06-17 00:37 Soprano pipistrelle 1 10-06-17 00:38 Common pipistrelle 2 10-06-17 00:39 Common pipistrelle 2 10-06-17 00:40 Common pipistrelle social call 2 10-06-17 00:40 Common pipistrelle 3 10-06-17 00:40 Soprano pipistrelle 3 10-06-17 00:40 Soprano pipistrelle 3 10-06-17 00:41 Soprano pipistrelle 2 10-06-17 00:41 Soprano pipistrelle 2 10-06-17 00:42 Soprano pipistrelle 2 10-06-17 00:43 Soprano pipistrelle 2 10-06-17				
10-06-17 00:36 Common pipistrelle social call 2 10-06-17 00:36 Common pipistrelle 1 10-06-17 00:36 Soprano pipistrelle 3 10-06-17 00:37 Soprano pipistrelle 1 10-06-17 00:38 Common pipistrelle 1 10-06-17 00:38 Soprano pipistrelle 2 10-06-17 00:39 Common pipistrelle 1 10-06-17 00:40 Common pipistrelle social call 2 10-06-17 00:40 Common pipistrelle 1 10-06-17 00:40 Soprano pipistrelle 3 10-06-17 00:40 Soprano pipistrelle 3 10-06-17 00:41 Soprano pipistrelle social call 1 10-06-17 00:41 Soprano pipistrelle 2 10-06-17 00:42 Soprano pipistrelle 2 10-06-17 00:42 Soprano pipistrelle 2 10-06-17 00:43 Soprano pipistrelle 2 10-06-17<			1 1	
10-06-17 00:36 Common pipistrelle 1 10-06-17 00:36 Soprano pipistrelle 3 10-06-17 00:37 Soprano pipistrelle 1 10-06-17 00:38 Common pipistrelle 1 10-06-17 00:38 Soprano pipistrelle 2 10-06-17 00:39 Common pipistrelle 2 10-06-17 00:40 Common pipistrelle social call 2 10-06-17 00:40 Common pipistrelle 1 10-06-17 00:40 Soprano pipistrelle 3 10-06-17 00:40 Soprano pipistrelle 3 10-06-17 00:40 Soprano pipistrelle 2 10-06-17 00:41 Soprano pipistrelle social call 1 10-06-17 00:41 Soprano pipistrelle 2 10-06-17 00:42 Soprano pipistrelle 2 10-06-17 00:43 Soprano pipistrelle 2 10-06-17 00:45 Common pipistrelle social call 1 10-06-17<				
10-06-17 00:36 Soprano pipistrelle 3 10-06-17 00:37 Soprano pipistrelle 1 10-06-17 00:38 Common pipistrelle 1 10-06-17 00:38 Soprano pipistrelle 2 10-06-17 00:39 Common pipistrelle 1 10-06-17 00:39 Soprano pipistrelle 2 10-06-17 00:40 Common pipistrelle social call 2 10-06-17 00:40 Common pipistrelle 3 10-06-17 00:40 Soprano pipistrelle 3 10-06-17 00:40 Soprano pipistrelle social call 1 10-06-17 00:41 Soprano pipistrelle 2 10-06-17 00:41 Soprano pipistrelle 2 10-06-17 00:42 Soprano pipistrelle 2 10-06-17 00:43 Soprano pipistrelle 2 10-06-17 00:44 Soprano pipistrelle 2 10-06-17 00:45 Common pipistrelle social call 1 10-06-17				
10-06-17 00:37 Soprano pipistrelle 1 10-06-17 00:38 Common pipistrelle 1 10-06-17 00:38 Soprano pipistrelle 2 10-06-17 00:39 Common pipistrelle 1 10-06-17 00:40 Common pipistrelle social call 2 10-06-17 00:40 Common pipistrelle 1 10-06-17 00:40 Soprano pipistrelle 3 10-06-17 00:41 Soprano pipistrelle social call 1 10-06-17 00:41 Soprano pipistrelle 2 10-06-17 00:41 Soprano pipistrelle 2 10-06-17 00:42 Soprano pipistrelle 2 10-06-17 00:43 Soprano pipistrelle 3 10-06-17 00:43 Soprano pipistrelle 2 10-06-17 00:45 Common pipistrelle social call 1 10-06-17 00:45 Soprano pipistrelle social call 1				
10-06-17 00:38 Common pipistrelle 1 10-06-17 00:38 Soprano pipistrelle 2 10-06-17 00:39 Common pipistrelle 1 10-06-17 00:39 Soprano pipistrelle 2 10-06-17 00:40 Common pipistrelle social call 2 10-06-17 00:40 Common pipistrelle 1 10-06-17 00:40 Soprano pipistrelle 3 10-06-17 00:41 Soprano pipistrelle social call 1 10-06-17 00:41 Soprano pipistrelle 2 10-06-17 00:42 Soprano pipistrelle 2 10-06-17 00:43 Soprano pipistrelle 3 10-06-17 00:43 Soprano pipistrelle 2 10-06-17 00:45 Common pipistrelle social call 1 10-06-17 00:45 Soprano pipistrelle social call 1				
10-06-17 00:38 Soprano pipistrelle 2 10-06-17 00:39 Common pipistrelle 1 10-06-17 00:39 Soprano pipistrelle 2 10-06-17 00:40 Common pipistrelle social call 2 10-06-17 00:40 Common pipistrelle 3 10-06-17 00:40 Soprano pipistrelle 3 10-06-17 00:41 Soprano pipistrelle social call 1 10-06-17 00:41 Common pipistrelle 2 10-06-17 00:41 Soprano pipistrelle 2 10-06-17 00:42 Soprano pipistrelle 2 10-06-17 00:43 Soprano pipistrelle 3 10-06-17 00:44 Soprano pipistrelle 2 10-06-17 00:45 Common pipistrelle social call 1 10-06-17 00:45 Soprano pipistrelle social call 1				
10-06-17 00:39 Common pipistrelle 1 10-06-17 00:39 Soprano pipistrelle 2 10-06-17 00:40 Common pipistrelle social call 2 10-06-17 00:40 Common pipistrelle 1 10-06-17 00:40 Soprano pipistrelle 3 10-06-17 00:40 Soprano pipistrelle social call 1 10-06-17 00:41 Soprano pipistrelle 2 10-06-17 00:41 Soprano pipistrelle 2 10-06-17 00:42 Soprano pipistrelle 2 10-06-17 00:43 Soprano pipistrelle 3 10-06-17 00:44 Soprano pipistrelle 2 10-06-17 00:45 Common pipistrelle social call 1 10-06-17 00:45 Soprano pipistrelle social call 1				
10-06-17 00:39 Soprano pipistrelle 2 10-06-17 00:40 Common pipistrelle social call 2 10-06-17 00:40 Common pipistrelle 1 10-06-17 00:40 Soprano pipistrelle 3 10-06-17 00:41 Soprano pipistrelle social call 1 10-06-17 00:41 Common pipistrelle 2 10-06-17 00:41 Soprano pipistrelle 2 10-06-17 00:42 Soprano pipistrelle 2 10-06-17 00:43 Soprano pipistrelle 3 10-06-17 00:44 Soprano pipistrelle 2 10-06-17 00:45 Common pipistrelle social call 1 10-06-17 00:45 Soprano pipistrelle social call 1				
10-06-17 00:40 Common pipistrelle social call 2 10-06-17 00:40 Common pipistrelle 1 10-06-17 00:40 Soprano pipistrelle 3 10-06-17 00:41 Soprano pipistrelle social call 1 10-06-17 00:41 Common pipistrelle 2 10-06-17 00:41 Soprano pipistrelle 2 10-06-17 00:42 Soprano pipistrelle 2 10-06-17 00:43 Soprano pipistrelle 3 10-06-17 00:44 Soprano pipistrelle 2 10-06-17 00:45 Common pipistrelle social call 1 10-06-17 00:45 Soprano pipistrelle social call 1				
10-06-17 00:40 Common pipistrelle 1 10-06-17 00:40 Soprano pipistrelle 3 10-06-17 00:41 Soprano pipistrelle social call 1 10-06-17 00:41 Common pipistrelle 2 10-06-17 00:41 Soprano pipistrelle 2 10-06-17 00:42 Soprano pipistrelle 2 10-06-17 00:43 Soprano pipistrelle 3 10-06-17 00:44 Soprano pipistrelle 2 10-06-17 00:45 Common pipistrelle social call 1 10-06-17 00:45 Soprano pipistrelle social call 1				
10-06-17 00:40 Soprano pipistrelle 3 10-06-17 00:41 Soprano pipistrelle social call 1 10-06-17 00:41 Common pipistrelle 2 10-06-17 00:41 Soprano pipistrelle 2 10-06-17 00:42 Soprano pipistrelle 2 10-06-17 00:43 Soprano pipistrelle 3 10-06-17 00:44 Soprano pipistrelle 2 10-06-17 00:45 Common pipistrelle social call 1 10-06-17 00:45 Soprano pipistrelle social call 1				
10-06-17 00:41 Soprano pipistrelle social call 1 10-06-17 00:41 Common pipistrelle 2 10-06-17 00:41 Soprano pipistrelle 2 10-06-17 00:42 Soprano pipistrelle 2 10-06-17 00:43 Soprano pipistrelle 3 10-06-17 00:44 Soprano pipistrelle 2 10-06-17 00:45 Common pipistrelle social call 1 10-06-17 00:45 Soprano pipistrelle social call 1				
10-06-17 00:41 Common pipistrelle 2 10-06-17 00:41 Soprano pipistrelle 2 10-06-17 00:42 Soprano pipistrelle 2 10-06-17 00:43 Soprano pipistrelle 3 10-06-17 00:44 Soprano pipistrelle 2 10-06-17 00:45 Common pipistrelle social call 1 10-06-17 00:45 Soprano pipistrelle social call 1				
10-06-17 00:41 Soprano pipistrelle 2 10-06-17 00:42 Soprano pipistrelle 2 10-06-17 00:43 Soprano pipistrelle 3 10-06-17 00:44 Soprano pipistrelle 2 10-06-17 00:45 Common pipistrelle social call 1 10-06-17 00:45 Soprano pipistrelle social call 1				
10-06-17 00:42 Soprano pipistrelle 2 10-06-17 00:43 Soprano pipistrelle 3 10-06-17 00:44 Soprano pipistrelle 2 10-06-17 00:45 Common pipistrelle social call 1 10-06-17 00:45 Soprano pipistrelle social call 1				
10-06-17 00:43 Soprano pipistrelle 3 10-06-17 00:44 Soprano pipistrelle 2 10-06-17 00:45 Common pipistrelle social call 1 10-06-17 00:45 Soprano pipistrelle social call 1				
10-06-17 00:44 Soprano pipistrelle 2 10-06-17 00:45 Common pipistrelle social call 1 10-06-17 00:45 Soprano pipistrelle social call 1				
10-06-17 00:45 Common pipistrelle social call 1 10-06-17 00:45 Soprano pipistrelle social call 1				
10-06-17 00:45 Soprano pipistrelle social call 1				
10-06-17 00:45 Soprano pipistrelle 3				
10-06-17 00:46 Soprano pipistrelle 3				
10-06-17 00:47 Soprano pipistrelle 4				
10-06-17 00:48 Soprano pipistrelle 4	10-06-17	00:48	Soprano pipistrelle	4

10-06-17	00.50	Common pinietrolle	2
10-06-17	00:50	Common pipistrelle	3
		Common pipistrelle	4
10-06-17	00:52	Common pipistrelle	
10-06-17	00:52	Soprano pipistrelle	1
10-06-17	00:54	Common pipistrelle	1
10-06-17	00:55	Common pipistrelle	2
10-06-17	00:56	Soprano pipistrelle	1
10-06-17	00:57	Common pipistrelle	2
10-06-17	00:58	Common pipistrelle	3
10-06-17	00:59	Common pipistrelle	2
10-06-17	00:59	Soprano pipistrelle	1
10-06-17	01:00	Common pipistrelle	2
10-06-17	01:00	Soprano pipistrelle	4
10-06-17	01:01	Common pipistrelle	1
10-06-17	01:02	Common pipistrelle	3
10-06-17	01:03	Common pipistrelle	2
10-06-17	01:04	Common pipistrelle	4
10-06-17	01:05	Common pipistrelle	3
10-06-17	01:06	Common pipistrelle	4
10-06-17	01:07	Common pipistrelle	3
10-06-17	01:07	Soprano pipistrelle	2
10-06-17	01:08	Common pipistrelle	3
10-06-17	01:09	Common pipistrelle	3
10-06-17	01:10	Common pipistrelle	2
10-06-17	01:11	Common pipistrelle	3
10-06-17	01:12	Noctule	1
10-06-17	01:12	Common pipistrelle	4
10-06-17	01:13	Common pipistrelle	2
10-06-17	01:13	Soprano pipistrelle	1
10-06-17	01:14	Common pipistrelle	4
10-06-17	01:15	Common pipistrelle	2
10-06-17	01:16	Common pipistrelle social call	1
10-06-17	01:16	Common pipistrelle	2
10-06-17	01:16	Soprano pipistrelle	1
10-06-17	01:17	Common pipistrelle	1
10-06-17	01:17	Soprano pipistrelle	3
10-06-17	01:18	Common pipistrelle social call	1
10-06-17	01:18	Soprano pipistrelle	5
10-06-17	01:19	Soprano pipistrelle	4
10-06-17	01:20	Common pipistrelle	2
10-06-17	01:21	Common pipistrelle	3
10-06-17	01:22	Common pipistrelle	2
10-06-17	01:22	Soprano pipistrelle	1
10-06-17	01:23	Soprano pipistrelle	4
10-06-17	01:24	Common pipistrelle social call	1
10-06-17	01:24	Soprano pipistrelle	4
10-06-17	01:25	Common pipistrelle social call	1
10-06-17	01:25	Soprano pipistrelle social call	1
10-06-17	01:25	Soprano pipistrelle	4
10-06-17	01:26	Common pipistrelle	1
10-06-17	01:26	Soprano pipistrelle	2
10-00-17	01.20	Soprano pipistielle	

40.00.47	04.07		
10-06-17	01:27	Common pipistrelle	2
10-06-17	01:28	Soprano pipistrelle social call	1
10-06-17	01:28	Common pipistrelle	1
10-06-17	01:28	Soprano pipistrelle	2
10-06-17	01:29	Common pipistrelle social call	1
10-06-17	01:29	Soprano pipistrelle social call	2
10-06-17	01:29	Common pipistrelle	2
10-06-17	01:29	Soprano pipistrelle	2
10-06-17	01:30	Common pipistrelle social call	1
10-06-17	01:30	Soprano pipistrelle	3
10-06-17	01:32	Common pipistrelle social call	1
10-06-17	01:32	Soprano pipistrelle	3
10-06-17	01:33	Soprano pipistrelle	5
10-06-17	01:34	Soprano pipistrelle	2
10-06-17	01:37	Soprano pipistrelle	1
10-06-17	01:38	Soprano pipistrelle	4
10-06-17	01:39	Soprano pipistrelle	4
10-06-17	01:40	Soprano pipistrelle social call	1
10-06-17	01:40	Common pipistrelle	1
10-06-17	01:40	Soprano pipistrelle	2
10-06-17	01:41	Soprano pipistrelle	4
10-06-17	01:42	Soprano pipistrelle	3
10-06-17	01:43	Soprano pipistrelle	4
10-06-17	01:44	Soprano pipistrelle	4
10-06-17	01:45	Soprano pipistrelle	3
10-06-17	01:51	Common pipistrelle	2
10-06-17	01:52	Common pipistrelle	4
10-06-17	01:53	Common pipistrelle	4
10-06-17	01:54	Common pipistrelle	4
10-06-17	01:55	Common pipistrelle	3
10-06-17	01:56	Common pipistrelle	4
10-06-17	01:57	Common pipistrelle	3
10-06-17	01:58	Common pipistrelle	4
10-06-17	01:59	Common pipistrelle	3
10-06-17	02:00	Common pipistrelle	1
10-06-17	02:03	Common pipistrelle	1
10-06-17	02:04	Common pipistrelle	4
10-06-17	02:05	Common pipistrelle	4
10-06-17	02:06	Common pipistrelle	3
10-06-17	02:07	Common pipistrelle	3
10-06-17	02:07	Soprano pipistrelle	2
10-06-17	02:07	Common pipistrelle	1
10-06-17	02:08	Soprano pipistrelle	1
10-06-17	02:08	Soprano pipistrelle	3
10-06-17	02:09	Soprano pipistrelle	1
10-06-17	02:11	Common pipistrelle	1
10-06-17	02:20	* *	3
		Common pipistrelle	3
10-06-17	02:22	Common pipistrelle	2
10-06-17	02:23	Common pipistrelle	
10-06-17	02:24	Common pipistrelle	3
10-06-17	02:25	Common pipistrelle	3

40.00.47	1 00 00	I 0	
10-06-17	02:26	Common pipistrelle	1
10-06-17	02:28	Common pipistrelle	1
10-06-17	02:39	Common pipistrelle	1
10-06-17	02:40	Common pipistrelle	2
10-06-17	02:41	Common pipistrelle	1
10-06-17	02:41	Soprano pipistrelle	5
10-06-17	02:42	Common pipistrelle	1
10-06-17	02:42	Soprano pipistrelle	3
10-06-17	02:43	Soprano pipistrelle	2
10-06-17	02:44	Common pipistrelle	2
10-06-17	02:44	Soprano pipistrelle	1
10-06-17	02:45	Common pipistrelle	3
10-06-17	02:46	Common pipistrelle	3
10-06-17	02:47	Soprano pipistrelle	1
10-06-17	02:48	Soprano pipistrelle	3
10-06-17	02:49	Soprano pipistrelle	3
10-06-17	02:50	Soprano pipistrelle	1
10-06-17	02:57	Common pipistrelle	2
10-06-17	02:58	Common pipistrelle	2
10-06-17	02:59	Common pipistrelle	3
10-06-17	03:00	Soprano pipistrelle	1
10-06-17	03:14	Common pipistrelle	3
10-06-17	03:15	Common pipistrelle	1
10-06-17	03:16	Common pipistrelle	3
10-06-17	03:16	Soprano pipistrelle	1
10-06-17	03:17	Common pipistrelle	5
10-06-17	03:18	Common pipistrelle	3
10-06-17	03:19	Common pipistrelle	3
10-06-17	03:20	Common pipistrelle	4
10-06-17	03:21	Common pipistrelle	3
10-06-17	03:22	Common pipistrelle	3
10-06-17	03:23	Common pipistrelle	3
10-06-17	03:24	Common pipistrelle	4
10-06-17	03:25	Common pipistrelle	1
10-06-17	03:26	Common pipistrelle	2
10-06-17	03:27	Common pipistrelle	3
10-06-17	03:27	Soprano pipistrelle	1
10-06-17	03:28	Common pipistrelle	2
10-06-17	03:29	Common pipistrelle	2
10-06-17	03:43	Common pipistrelle	1
10-06-17	03:44	Common pipistrelle	1
10-06-17	03:58	Soprano pipistrelle	1
10-06-17	04:13	Common pipistrelle	1
Evening 3			
10-06-17	21:40	Soprano pipistrelle	1
10-06-17	21:52	Soprano pipistrelle	1
10-06-17	22:03	Common pipistrelle	1
10-06-17	22:05	Common pipistrelle	1
10-06-17	22:29	Soprano pipistrelle	1
10-06-17	23:10	Soprano pipistrelle	1
10-06-17	23:11	Soprano pipistrelle	3
	•	•	

10.00.17	00.40		
10-06-17	23:12	Soprano pipistrelle	2
10-06-17	23:14	Soprano pipistrelle	1
10-06-17	23:15	Soprano pipistrelle	1
10-06-17	23:16	Soprano pipistrelle	1
10-06-17	23:19	Soprano pipistrelle	2
10-06-17	23:20	Soprano pipistrelle	2
10-06-17	23:21	Soprano pipistrelle	1
10-06-17	23:25	Soprano pipistrelle	2
10-06-17	23:28	Common pipistrelle	1
10-06-17	23:33	Soprano pipistrelle	1
10-06-17	23:34	Common pipistrelle	3
10-06-17	23:42	Soprano pipistrelle	1
10-06-17	23:43	Soprano pipistrelle	3
10-06-17	23:44	Soprano pipistrelle	3
10-06-17	23:45	Soprano pipistrelle	3
10-06-17	23:46	Soprano pipistrelle	1
10-06-17	23:47	Soprano pipistrelle	3
10-06-17	23:48	Soprano pipistrelle	2
10-06-17	23:51	Soprano pipistrelle	3
10-06-17	23:52	Soprano pipistrelle	2
10-06-17	23:53	Common pipistrelle	1
10-06-17	23:53	Soprano pipistrelle	1
10-06-17	23:54	Common pipistrelle	2
10-06-17	23:55	Common pipistrelle	4
10-06-17	23:56	Common pipistrelle	3
10-06-17	23:57	Common pipistrelle	2
11-06-17	00:03	Soprano pipistrelle social call	1
11-06-17	00:05	Soprano pipistrelle	1
11-06-17	00:06	Soprano pipistrelle	1
11-06-17	00:07	Common pipistrelle	3
11-06-17	00:08	Common pipistrelle	2
11-06-17	00:09	Common pipistrelle	1
11-06-17	00:09	Common pipistrelle	2
	00:10		1
11-06-17		Soprano pipistrelle	
11-06-17	00:12	Soprano pipistrelle	2
11-06-17	00:13	Soprano pipistrelle	2
11-06-17	00:14	Soprano pipistrelle	2
11-06-17	00:15	Soprano pipistrelle	4
11-06-17	00:16	Common pipistrelle social call	1
11-06-17	00:16	Common pipistrelle	1
11-06-17	00:16	Soprano pipistrelle	3
11-06-17	00:17	Soprano pipistrelle social call	1
11-06-17	00:17	Common pipistrelle	1
11-06-17	00:17	Soprano pipistrelle	1
11-06-17	00:18	Common pipistrelle	1
11-06-17	00:18	Soprano pipistrelle	1
11-06-17	00:19	Common pipistrelle social call	1
11-06-17	00:19	Soprano pipistrelle	3
11-06-17	00:20	Soprano pipistrelle	3
11-06-17	00:21	Common pipistrelle	1
11-06-17	00:21	Soprano pipistrelle	2
	1		

11-06-17	00:23	Common pinietrollo	2
11-06-17	00:23	Common pipistrelle Soprano pipistrelle	2
11-06-17	00:24	Soprano pipistrelle	4
11-06-17	00:24		1
11-06-17	00:25	Common pipistrelle social call	3
		Soprano pipistrelle	2
11-06-17	00:26	Soprano pipistrelle	2
11-06-17 11-06-17	00:27	Common pipistrelle	
	00:27	Soprano pipistrelle	1
11-06-17	00:28	Common pipistrelle	1
11-06-17	00:28	Soprano pipistrelle	5
11-06-17	00:28	Unidentified social call	1
11-06-17	00:29	Soprano pipistrelle social call	1
11-06-17	00:29	Soprano pipistrelle	2
11-06-17	00:30	Soprano pipistrelle	2
11-06-17	00:33	Common pipistrelle	4
11-06-17	00:34	Common pipistrelle	1
11-06-17	00:35	Common pipistrelle	1
11-06-17	00:36	Soprano pipistrelle	1
11-06-17	00:40	Common pipistrelle	2
11-06-17	00:41	Common pipistrelle	2
11-06-17	00:42	Common pipistrelle social call	1
11-06-17	00:42	Common pipistrelle	2
11-06-17	00:42	Soprano pipistrelle	2
11-06-17	00:43	Common pipistrelle	1
11-06-17	00:43	Soprano pipistrelle	1
11-06-17	00:44	Common pipistrelle	5
11-06-17	00:45	Common pipistrelle	4
11-06-17	00:46	Common pipistrelle	3
11-06-17	00:47	Common pipistrelle	3
11-06-17	00:48	Common pipistrelle	4
11-06-17	00:49	Common pipistrelle	3
11-06-17	00:50	Common pipistrelle	2
11-06-17	00:51	Soprano pipistrelle	1
11-06-17	00:52	Common pipistrelle	4
11-06-17	00:53	Common pipistrelle	3
11-06-17	00:53	Soprano pipistrelle	2
11-06-17	00:54	Common pipistrelle	2
11-06-17	00:55	Common pipistrelle	2
11-06-17	00:56	Common pipistrelle	5
11-06-17	00:56	Soprano pipistrelle	2
11-06-17	00:57	Common pipistrelle	2
11-06-17	00:58	Common pipistrelle	4
11-06-17	00:59	Common pipistrelle	3
11-06-17	01:00	Soprano pipistrelle	1
11-06-17	01:01	Common pipistrelle	1
11-06-17	01:01	Soprano pipistrelle	3
11-06-17	01:08	Soprano pipistrelle	3
11-06-17	01:10	Common pipistrelle	2
11-06-17	01:10	Soprano pipistrelle	2
11-06-17	01:10	Soprano pipistrelle	1
11-06-17	01:12	Soprano pipistrelle social call	2
11-00-17	01.12	Soprano pipistrelle social call	

44.00.47	04.40	Convene ministralle	
11-06-17	01:12	Soprano pipistrelle	1
11-06-17	01:13	Common pipistrelle	-
11-06-17	01:13	Soprano pipistrelle	1
11-06-17	01:14	Common pipistrelle	3
11-06-17	01:14	Soprano pipistrelle	2
11-06-17	01:14	Unidentified social call	1
11-06-17	01:15	Common pipistrelle	4
11-06-17	01:16	Common pipistrelle	5
11-06-17	01:17	Common pipistrelle	4
11-06-17	01:18	Common pipistrelle	4
11-06-17	01:18	Soprano pipistrelle	1
11-06-17	01:19	Common pipistrelle	2
11-06-17	01:20	Common pipistrelle	4
11-06-17	01:21	Common pipistrelle	4
11-06-17	01:22	Common pipistrelle social call	1
11-06-17	01:22	Common pipistrelle	2
11-06-17	01:22	Soprano pipistrelle	2
11-06-17	01:23	Common pipistrelle	1
11-06-17	01:23	Soprano pipistrelle	2
11-06-17	01:24	Soprano pipistrelle	3
11-06-17	01:25	Soprano pipistrelle	4
11-06-17	01:26	Soprano pipistrelle	5
11-06-17	01:27	Common pipistrelle	1
11-06-17	01:27	Soprano pipistrelle	2
11-06-17	01:28	Common pipistrelle	3
11-06-17	01:28	Soprano pipistrelle	2
11-06-17	01:29	Common pipistrelle	4
11-06-17	01:29	Soprano pipistrelle	1
11-06-17	01:30	Common pipistrelle	4
11-06-17	01:30	Soprano pipistrelle	1
11-06-17	01:31	Common pipistrelle	3
11-06-17	01:32	Common pipistrelle	3
11-06-17	01:32	Soprano pipistrelle	2
	01:33		4
11-06-17		Common pipistrelle	
11-06-17	01:33	Soprano pipistrelle	1
11-06-17	01:34	Common pipistrelle	3
11-06-17	01:35	Common pipistrelle	2
11-06-17	01:36	Common pipistrelle	4
11-06-17	01:37	Common pipistrelle	1
11-06-17	01:38	Soprano pipistrelle	4
11-06-17	01:39	Soprano pipistrelle	2
11-06-17	01:40	Common pipistrelle	1
11-06-17	01:41	Common pipistrelle	4
11-06-17	01:42	Common pipistrelle	3
11-06-17	01:43	Common pipistrelle	4
11-06-17	01:44	Common pipistrelle	3
11-06-17	01:44	Soprano pipistrelle	3
11-06-17	01:44	Unidentified social call	1
11-06-17	01:45	Common pipistrelle social call	1
11-06-17	01:46	Common pipistrelle	1
11-06-17	01:46	Soprano pipistrelle	3
			1

11-06-17	01:46	Unidentified social call	1
11-06-17	01:47	Common pipistrelle	2
11-06-17	01:47	Soprano pipistrelle	1
11-06-17	01:47		1
11-06-17	01:48	Common pipistrelle social call Common pipistrelle	1
		' '	4
11-06-17	01:48	Soprano pipistrelle	
11-06-17	01:53	Soprano pipistrelle	2
11-06-17	01:54	Soprano pipistrelle	1
11-06-17	01:55	Soprano pipistrelle	2
11-06-17	01:56	Soprano pipistrelle	1
11-06-17	01:59	Soprano pipistrelle	2
11-06-17	02:00	Common pipistrelle social call	1
11-06-17	02:00	Soprano pipistrelle	1
11-06-17	02:02	Common pipistrelle	2
11-06-17	02:03	Common pipistrelle	4
11-06-17	02:04	Common pipistrelle	3
11-06-17	02:04	Soprano pipistrelle	2
11-06-17	02:08	Common pipistrelle	4
11-06-17	02:09	Common pipistrelle	3
11-06-17	02:09	Soprano pipistrelle	2
11-06-17	02:10	Common pipistrelle	4
11-06-17	02:11	Common pipistrelle	3
11-06-17	02:12	Common pipistrelle	3
11-06-17	02:13	Common pipistrelle social call	1
11-06-17	02:13	Common pipistrelle	3
11-06-17	02:14	Common pipistrelle	2
11-06-17	02:14	Soprano pipistrelle	3
11-06-17	02:14	Unidentified social call	1
11-06-17	02:15	Common pipistrelle social call	1
11-06-17	02:15	Common pipistrelle	4
11-06-17	02:15	Soprano pipistrelle	1
11-06-17	02:15	Unidentified social call	1
11-06-17	02:16	Common pipistrelle social call	1
11-06-17	02:16	Common pipistrelle	2
11-06-17	02:16	Soprano pipistrelle	2
11-06-17	02:16	Unidentified social call	2
11-06-17	02:17	Soprano pipistrelle social call	1
11-06-17	02:17	Common pipistrelle	2
11-06-17	02:17	Soprano pipistrelle	1
11-06-17	02:17	Daubentons	1
11-06-17	02:18	Common pipistrelle	1
11-06-17	02:18	Soprano pipistrelle	3
11-06-17	02:18	Unidentified social call	1
11-06-17	02:18	Soprano pipistrelle	2
11-06-17	02:19	Soprano pipistrelle	3
11-06-17	02:25	Soprano pipistrelle	4
11-06-17			1
	02:26	Common pipistrelle social call	1
11-06-17	02:26	Soprano pipistrelle	
11-06-17	02:27	Soprano pipistrelle social call	1
11-06-17	02:27	Soprano pipistrelle	1
11-06-17	02:28	Soprano pipistrelle social call	1

11-06-17	02:28	Conrana niniatralla	2
11-06-17	02:28	Soprano pipistrelle Soprano pipistrelle	4
11-06-17		Soprano pipistrelle	2
11-06-17	02:30 02:31		2
11-06-17	02:31	Common pipistrelle	4
		Soprano pipistrelle	2
11-06-17	02:31	Unidentified social call	
11-06-17	02:32	Soprano pipistrelle	4
11-06-17	02:33	Soprano pipistrelle	3
11-06-17	02:34	Soprano pipistrelle	1
11-06-17	02:35	Soprano pipistrelle	4
11-06-17	02:36	Soprano pipistrelle	3
11-06-17	02:37	Soprano pipistrelle	1
11-06-17	02:38	Common pipistrelle	2
11-06-17	02:38	Soprano pipistrelle	3
11-06-17	02:38	Unidentified social call	1
11-06-17	02:39	Common pipistrelle social call	4
11-06-17	02:40	Common pipistrelle	1
11-06-17	02:45	Common pipistrelle	3
11-06-17	02:46	Common pipistrelle	4
11-06-17	02:46	Soprano pipistrelle	1
11-06-17	02:47	Common pipistrelle	3
11-06-17	02:48	Common pipistrelle	3
11-06-17	02:48	Soprano pipistrelle	1
11-06-17	02:48	Unidentified social call	1
11-06-17	02:49	Common pipistrelle social call	2
11-06-17	02:49	Common pipistrelle	1
11-06-17	02:49	Soprano pipistrelle	1
11-06-17	02:50	Common pipistrelle social call	3
11-06-17	02:50	Soprano pipistrelle	1
11-06-17	02:51	Soprano pipistrelle	4
11-06-17	02:52	Soprano pipistrelle	1
11-06-17	02:54	Soprano pipistrelle	1
11-06-17	02:57	Common pipistrelle	1
11-06-17	02:58	Common pipistrelle	3
11-06-17	02:59	Common pipistrelle	1
11-06-17	02:59	Soprano pipistrelle	2
11-06-17	03:00	Soprano pipistrelle	1
11-06-17	03:02	Soprano pipistrelle	1
11-06-17	03:03	Soprano pipistrelle	3
11-06-17	03:04	Soprano pipistrelle	2
11-06-17	03:05	Common pipistrelle	1
11-06-17	03:06	Common pipistrelle	1
11-06-17	03:07	Common pipistrelle	3
11-06-17	03:08	Common pipistrelle	2
11-06-17	03:09	Common pipistrelle	3
11-06-17	03:10	Common pipistrelle	1
11-06-17	03:10	Soprano pipistrelle	1
			1
11-06-17	03:17	Soprano pipistrelle	
11-06-17	03:25	Common pipistrelle	2
11-06-17	03:26	Common pipistrelle	1
11-06-17	03:27	Common pipistrelle	1

	T	T =	1 2
11-06-17	03:28	Common pipistrelle	3
11-06-17	03:29	Common pipistrelle	4
11-06-17	03:30	Common pipistrelle	3
11-06-17	03:31	Common pipistrelle	1
11-06-17	03:32	Common pipistrelle	3
11-06-17	03:33	Common pipistrelle	2
11-06-17	03:34	Common pipistrelle	3
11-06-17	03:35	Common pipistrelle	3
11-06-17	03:36	Common pipistrelle	4
11-06-17	03:37	Common pipistrelle	4
11-06-17	03:38	Common pipistrelle	3
11-06-17	03:39	Common pipistrelle	3
11-06-17	03:40	Common pipistrelle social call	1
11-06-17	03:40	Common pipistrelle	4
11-06-17	03:40	Soprano pipistrelle	1
11-06-17	03:43	Soprano pipistrelle	1
11-06-17	03:57	Soprano pipistrelle	1
11-06-17	04:05	Noctule	1
11-06-17	04:23	Common pipistrelle	1
11-06-17	04:27	Soprano pipistrelle	1
Evening 4			
11-06-17	21:53	Pipistrelle species	1
11-06-17	21:59	Noctule	1
11-06-17	22:03	Soprano pipistrelle	1
11-06-17	22:14	Soprano pipistrelle	1
11-06-17	22:28	Soprano pipistrelle	1
11-06-17	22:33	Common pipistrelle	1
11-06-17	22:58	Soprano pipistrelle	2
11-06-17	23:14	Unidentified social call	1
11-06-17	23:15	Soprano pipistrelle	2
11-06-17	23:16	Soprano pipistrelle	5
11-06-17	23:17	Soprano pipistrelle	3
11-06-17	23:18	Soprano pipistrelle	3
11-06-17	23:19	Soprano pipistrelle	5
11-06-17	23:20	Soprano pipistrelle	1
11-06-17	23:24	Soprano pipistrelle	1
11-06-17	23:29	Soprano pipistrelle	4
11-06-17	23:30	Soprano pipistrelle	5
11-06-17	23:31	Soprano pipistrelle	3
11-06-17	23:32	Soprano pipistrelle	4
11-06-17	23:33	Soprano pipistrelle	4
11-06-17	23:34	Soprano pipistrelle	4
11-06-17	23:35	Soprano pipistrelle	3
11-06-17	ļ	Common pipistrelle	1
	23:36	* *	3
11-06-17	23:37	Common pipistrelle	
11-06-17	23:38	Common pipistrelle	3
11-06-17	23:41	Common pipistrelle	1
11-06-17	23:43	Common pipistrelle	1
11-06-17	23:44	Common pipistrelle	3
11-06-17	23:45	Common pipistrelle	1
11-06-17	23:46	Common pipistrelle	2

44.00.47	00.47	0	1.4
11-06-17	23:47	Common pipistrelle	4
11-06-17	23:48	Common pipistrelle	4
11-06-17	23:49	Common pipistrelle	3
11-06-17	23:50	Common pipistrelle	3
11-06-17	23:50	Soprano pipistrelle	1
11-06-17	23:51	Soprano pipistrelle	4
11-06-17	23:52	Soprano pipistrelle social call	1
11-06-17	23:52	Common pipistrelle	4
11-06-17	23:52	Soprano pipistrelle	3
11-06-17	23:53	Common pipistrelle social call	1
11-06-17	23:53	Common pipistrelle	2
11-06-17	23:53	Soprano pipistrelle	3
11-06-17	23:53	Unidentified social call	1
11-06-17	23:54	Common pipistrelle	1
11-06-17	23:54	Soprano pipistrelle	2
11-06-17	23:55	Common pipistrelle	1
11-06-17	23:55	Soprano pipistrelle	3
11-06-17	23:56	Common pipistrelle	1
11-06-17	23:56	Soprano pipistrelle	3
11-06-17	23:56	Unidentified social call	1
11-06-17	23:57	Soprano pipistrelle	4
11-06-17	23:58	Common pipistrelle social call	1
11-06-17	23:58	Soprano pipistrelle	4
11-06-17	23:59	Soprano pipistrelle	4
12-06-17	00:00	Soprano pipistrelle	4
12-06-17	00:01	Soprano pipistrelle	5
12-06-17	00:02	Soprano pipistrelle	5
12-06-17	00:03	Soprano pipistrelle	1
12-06-17	00:04	Soprano pipistrelle	3
12-06-17	00:05	Common pipistrelle	1
12-06-17	00:05	Soprano pipistrelle	2
12-06-17	00:05	Unidentified social call	1
12-06-17	00:06	Common pipistrelle	2
			3
12-06-17	00:06	Soprano pipistrelle	
12-06-17	00:08	Soprano pipistrelle	1
12-06-17	00:09	Soprano pipistrelle	3
12-06-17	00:10	Common pipistrelle	1
12-06-17	00:10	Soprano pipistrelle	3
12-06-17	00:11	Common pipistrelle	3
12-06-17	00:12	Common pipistrelle	2
12-06-17	00:15	Common pipistrelle	3
12-06-17	00:16	Common pipistrelle	3
12-06-17	00:17	Common pipistrelle	2
12-06-17	00:18	Common pipistrelle	4
12-06-17	00:19	Common pipistrelle	3
12-06-17	00:20	Common pipistrelle	3
12-06-17	00:21	Common pipistrelle	3
12-06-17	00:21	Soprano pipistrelle	1
12-06-17	00:22	Common pipistrelle	3
12-06-17	00:23	Common pipistrelle	3
12-06-17	00:24	Common pipistrelle	3
	1 30.2 .	- Common pipionono	1 5

40.00.47	1 00 05	0	T 4
12-06-17	00:25	Common pipistrelle	4
12-06-17	00:26	Common pipistrelle	2
12-06-17	00:27	Common pipistrelle	4
12-06-17	00:28	Common pipistrelle	2
12-06-17	00:29	Common pipistrelle	1
12-06-17	00:30	Common pipistrelle	4
12-06-17	00:30	Soprano pipistrelle	1
12-06-17	00:31	Common pipistrelle	5
12-06-17	00:32	Common pipistrelle	4
12-06-17	00:33	Common pipistrelle	4
12-06-17	00:34	Common pipistrelle	5
12-06-17	00:35	Common pipistrelle	4
12-06-17	00:36	Common pipistrelle	4
12-06-17	00:37	Common pipistrelle	3
12-06-17	00:38	Common pipistrelle	3
12-06-17	00:39	Common pipistrelle	3
12-06-17	00:40	Common pipistrelle	4
12-06-17	00:41	Common pipistrelle	2
12-06-17	00:42	Common pipistrelle	3
12-06-17	00:43	Common pipistrelle	4
12-06-17	00:44	Common pipistrelle	5
12-06-17	00:45	Common pipistrelle	3
12-06-17	00:46	Common pipistrelle	2
12-06-17	00:47	Common pipistrelle	3
12-06-17	00:48	Common pipistrelle	2
12-06-17	00:49	Common pipistrelle	4
12-06-17	00:49	Soprano pipistrelle	1
12-06-17	00:50	Common pipistrelle	4
12-06-17	00:51	Common pipistrelle	5
12-06-17	00:52	Common pipistrelle	5
12-06-17	00:53	Common pipistrelle	3
12-06-17	00:54	Common pipistrelle	3
12-06-17	00:55	Common pipistrelle	4
12-06-17	00:56	Common pipistrelle	3
12-06-17	00:56	Soprano pipistrelle	1
12-06-17	00:57		3
		Common pipistrelle	
12-06-17	00:58	Common pipistrelle	5
12-06-17	00:59	Common pipistrelle	4
12-06-17	01:00	Common pipistrelle	4
12-06-17	01:01	Common pipistrelle	5
12-06-17	01:02	Common pipistrelle	3
12-06-17	01:08	Common pipistrelle	5
12-06-17	01:09	Common pipistrelle	5
12-06-17	01:10	Common pipistrelle	4
12-06-17	01:11	Common pipistrelle	3
12-06-17	01:12	Common pipistrelle	3
12-06-17	01:13	Common pipistrelle	4
12-06-17	01:14	Common pipistrelle	4
12-06-17	01:15	Common pipistrelle	4
12-06-17	01:16	Common pipistrelle	3
12-06-17	01:17	Common pipistrelle	3
	•	•	•

			T
12-06-17	01:18	Common pipistrelle	4
12-06-17	01:19	Common pipistrelle	5
12-06-17	01:20	Common pipistrelle	5
12-06-17	01:21	Common pipistrelle	3
12-06-17	01:22	Common pipistrelle	4
12-06-17	01:23	Common pipistrelle	4
12-06-17	01:24	Common pipistrelle	4
12-06-17	01:25	Common pipistrelle	3
12-06-17	01:25	Soprano pipistrelle	1
12-06-17	01:27	Soprano pipistrelle	1
12-06-17	01:28	Soprano pipistrelle	11
12-06-17	01:32	Common pipistrelle	2
12-06-17	01:39	Common pipistrelle	3
12-06-17	01:40	Common pipistrelle	5
12-06-17	01:40	Common pipistrelle	5
12-06-17	01:42		5
12-06-17		Common pipistrelle	
	01:43	Common pipistrelle	6
12-06-17	01:44	Common pipistrelle	5
12-06-17	01:45	Common pipistrelle	4
12-06-17	01:46	Common pipistrelle	5
12-06-17	01:47	Common pipistrelle	6
12-06-17	01:48	Common pipistrelle	6
12-06-17	01:49	Common pipistrelle	3
12-06-17	01:53	Common pipistrelle	1
12-06-17	02:35	Soprano pipistrelle	1
12-06-17	02:48	Common pipistrelle	5
12-06-17	03:01	Soprano pipistrelle	2
12-06-17	03:02	Common pipistrelle	1
12-06-17	03:03	Common pipistrelle	3
Evening 5			
12-06-17	22:07	Common pipistrelle	1
12-06-17	22:11	Soprano pipistrelle	1
12-06-17	22:18	Soprano pipistrelle	1
12-06-17	22:30	Soprano pipistrelle	1
12-06-17	22:58	Soprano pipistrelle	1
12-06-17	23:16	Soprano pipistrelle	1
12-06-17	23:17	Common pipistrelle	1
12-06-17	23:19	Common pipistrelle	2
12-06-17	23:20	Common pipistrelle	1
12-06-17	23:22	Common pipistrelle	1
12-06-17	23:33	Common pipistrelle	1
13-06-17	00:09	Soprano pipistrelle	1
13-06-17	00:03	Common pipistrelle	1
13-06-17	00:13	Daubentons	1
13-06-17	00:53		1
13-06-17	00:53	Common pipistrelle	1
13-06-17		Soprano pipistrelle	1
13-00-17	04:06	Soprano pipistrelle	1

Static Detector Recordings at the Lamppost on Marshall Road on the 27th June – 1st July 2017

27-06-17	
27-06-17 02:24 Common pipistrelle 1 27-06-17 04:15 Soprano pipistrelle 1 Evening 2 28-06-17 21:33 Soprano pipistrelle 1 28-06-17 22:04 Soprano pipistrelle 1 28-06-17 22:24 Common pipistrelle 1 28-06-17 22:58 Soprano pipistrelle 1 28-06-17 23:02 Common pipistrelle 1 28-06-17 23:16 Common pipistrelle 1 28-06-17 23:17 Common pipistrelle 1 28-06-17 23:21 Common pipistrelle 3 28-06-17 23:23 Soprano pipistrelle 1 28-06-17 23:25 Common pipistrelle 2 28-06-17 23:28 Common pipistrelle 1 28-06-17 23:33 Soprano pipistrelle 1 28-06-17 23:33 Soprano pipistrelle 1 28-06-17 23:34 Common pipistrelle 1	
Z7-06-17 04:15 Soprano pipistrelle 1 Evening 2 2 28-06-17 21:33 Soprano pipistrelle 1 28-06-17 22:04 Soprano pipistrelle 1 28-06-17 22:24 Common pipistrelle 1 28-06-17 22:48 Daubentons 1 28-06-17 22:58 Soprano pipistrelle 1 28-06-17 23:02 Common pipistrelle 1 28-06-17 23:16 Common pipistrelle 1 28-06-17 23:17 Common pipistrelle 1 28-06-17 23:21 Common pipistrelle 3 28-06-17 23:23 Soprano pipistrelle 1 28-06-17 23:23 Soprano pipistrelle 2 28-06-17 23:26 Common pipistrelle 3 28-06-17 23:30 Common pipistrelle 1 28-06-17 23:33 Soprano pipistrelle 1 28-06-17 23:34 Common pipistrelle 1 28-06-17 </td <td></td>	
Evening 2 28-06-17 21:33 Soprano pipistrelle 1 28-06-17 22:04 Soprano pipistrelle 1 28-06-17 22:24 Common pipistrelle 1 28-06-17 22:48 Daubentons 1 28-06-17 22:58 Soprano pipistrelle 1 28-06-17 23:02 Common pipistrelle 1 28-06-17 23:16 Common pipistrelle 1 28-06-17 23:17 Common pipistrelle 1 28-06-17 23:21 Common pipistrelle 3 28-06-17 23:23 Soprano pipistrelle 1 28-06-17 23:23 Soprano pipistrelle 2 28-06-17 23:25 Common pipistrelle 2 28-06-17 23:28 Common pipistrelle 1 28-06-17 23:30 Common pipistrelle 1 28-06-17 23:33 Soprano pipistrelle 1 28-06-17 23:34 Common pipistrelle 1 28-06-17 <td></td>	
28-06-17 21:33 Soprano pipistrelle 1 28-06-17 22:04 Soprano pipistrelle 1 28-06-17 22:24 Common pipistrelle 1 28-06-17 22:48 Daubentons 1 28-06-17 23:02 Common pipistrelle 1 28-06-17 23:16 Common pipistrelle 1 28-06-17 23:17 Common pipistrelle 1 28-06-17 23:21 Common pipistrelle 3 28-06-17 23:23 Soprano pipistrelle 1 28-06-17 23:23 Soprano pipistrelle 2 28-06-17 23:25 Common pipistrelle 2 28-06-17 23:28 Common pipistrelle 1 28-06-17 23:30 Common pipistrelle 1 28-06-17 23:33 Soprano pipistrelle 1 28-06-17 23:34 Common pipistrelle 1 28-06-17 23:40 Common pipistrelle 1 28-06-17 23:42 Soprano p	
28-06-17 22:04 Soprano pipistrelle 1 28-06-17 22:24 Common pipistrelle 1 28-06-17 22:48 Daubentons 1 28-06-17 22:58 Soprano pipistrelle 1 28-06-17 23:02 Common pipistrelle 1 28-06-17 23:16 Common pipistrelle 1 28-06-17 23:17 Common pipistrelle 1 28-06-17 23:21 Common pipistrelle 3 28-06-17 23:23 Soprano pipistrelle 1 28-06-17 23:25 Common pipistrelle 2 28-06-17 23:28 Common pipistrelle 3 28-06-17 23:30 Common pipistrelle 1 28-06-17 23:33 Soprano pipistrelle 1 28-06-17 23:34 Common pipistrelle 1 28-06-17 23:40 Common pipistrelle 1 28-06-17 23:42 Soprano pipistrelle 1 29-06-17 00:00 Common pi	
28-06-17 22:24 Common pipistrelle 1 28-06-17 22:48 Daubentons 1 28-06-17 22:58 Soprano pipistrelle 1 28-06-17 23:02 Common pipistrelle 1 28-06-17 23:16 Common pipistrelle 1 28-06-17 23:17 Common pipistrelle 1 28-06-17 23:21 Common pipistrelle 3 28-06-17 23:23 Soprano pipistrelle 1 28-06-17 23:25 Common pipistrelle 2 28-06-17 23:28 Common pipistrelle 1 28-06-17 23:30 Common pipistrelle 1 28-06-17 23:33 Soprano pipistrelle 1 28-06-17 23:34 Common pipistrelle 2 28-06-17 23:35 Common pipistrelle 1 28-06-17 23:40 Common pipistrelle 1 28-06-17 23:42 Soprano pipistrelle 1 29-06-17 00:00 Common pip	
28-06-17 22:48 Daubentons 1 28-06-17 22:58 Soprano pipistrelle 1 28-06-17 23:02 Common pipistrelle 1 28-06-17 23:16 Common pipistrelle 1 28-06-17 23:17 Common pipistrelle 1 28-06-17 23:21 Common pipistrelle 3 28-06-17 23:23 Soprano pipistrelle 1 28-06-17 23:25 Common pipistrelle 2 28-06-17 23:26 Common pipistrelle 3 28-06-17 23:28 Common pipistrelle 1 28-06-17 23:30 Common pipistrelle 1 28-06-17 23:33 Soprano pipistrelle 1 28-06-17 23:34 Common pipistrelle 2 28-06-17 23:40 Common pipistrelle 1 28-06-17 23:42 Soprano pipistrelle 1 29-06-17 00:00 Common pipistrelle 1 29-06-17 00:01 Common pip	
28-06-17 22:58 Soprano pipistrelle 1 28-06-17 23:02 Common pipistrelle 1 28-06-17 23:16 Common pipistrelle 1 28-06-17 23:17 Common pipistrelle 1 28-06-17 23:21 Common pipistrelle 3 28-06-17 23:23 Soprano pipistrelle 1 28-06-17 23:25 Common pipistrelle 2 28-06-17 23:26 Common pipistrelle 3 28-06-17 23:28 Common pipistrelle 1 28-06-17 23:30 Common pipistrelle 1 28-06-17 23:33 Soprano pipistrelle 1 28-06-17 23:34 Common pipistrelle 2 28-06-17 23:40 Common pipistrelle 1 28-06-17 23:42 Soprano pipistrelle 1 29-06-17 00:00 Common pipistrelle 1 29-06-17 00:03 Common pipistrelle 2 29-06-17 00:06 So	
28-06-17 23:02 Common pipistrelle 1 28-06-17 23:16 Common pipistrelle 1 28-06-17 23:17 Common pipistrelle 1 28-06-17 23:21 Common pipistrelle 3 28-06-17 23:23 Soprano pipistrelle 1 28-06-17 23:25 Common pipistrelle 2 28-06-17 23:26 Common pipistrelle 3 28-06-17 23:28 Common pipistrelle 1 28-06-17 23:30 Common pipistrelle 1 28-06-17 23:33 Soprano pipistrelle 1 28-06-17 23:34 Common pipistrelle 2 28-06-17 23:35 Common pipistrelle 1 28-06-17 23:40 Common pipistrelle 1 28-06-17 23:42 Soprano pipistrelle 1 29-06-17 00:00 Common pipistrelle 1 29-06-17 00:03 Common pipistrelle 2 29-06-17 00:06 Sop	
28-06-17 23:16 Common pipistrelle 1 28-06-17 23:17 Common pipistrelle 1 28-06-17 23:21 Common pipistrelle 3 28-06-17 23:23 Soprano pipistrelle 1 28-06-17 23:25 Common pipistrelle 2 28-06-17 23:26 Common pipistrelle 3 28-06-17 23:28 Common pipistrelle 1 28-06-17 23:30 Common pipistrelle 1 28-06-17 23:33 Soprano pipistrelle 1 28-06-17 23:34 Common pipistrelle 2 28-06-17 23:35 Common pipistrelle 1 28-06-17 23:40 Common pipistrelle 1 28-06-17 23:42 Soprano pipistrelle 1 29-06-17 00:00 Common pipistrelle 1 29-06-17 00:01 Common pipistrelle 1 29-06-17 00:03 Common pipistrelle 1 29-06-17 00:06 Sop	
28-06-17 23:17 Common pipistrelle 1 28-06-17 23:21 Common pipistrelle 3 28-06-17 23:23 Soprano pipistrelle 1 28-06-17 23:25 Common pipistrelle 2 28-06-17 23:26 Common pipistrelle 3 28-06-17 23:28 Common pipistrelle 1 28-06-17 23:30 Common pipistrelle 1 28-06-17 23:33 Soprano pipistrelle 1 28-06-17 23:34 Common pipistrelle 2 28-06-17 23:35 Common pipistrelle 1 28-06-17 23:40 Common pipistrelle 1 28-06-17 23:42 Soprano pipistrelle 1 29-06-17 00:00 Common pipistrelle 1 29-06-17 00:01 Common pipistrelle 1 29-06-17 00:03 Common pipistrelle 1 29-06-17 00:06 Soprano pipistrelle 1 29-06-17 00:07 Common pipistrelle 1 29-06-17 00:01 Common pipi	
28-06-17 23:21 Common pipistrelle 3 28-06-17 23:23 Soprano pipistrelle 1 28-06-17 23:25 Common pipistrelle 2 28-06-17 23:26 Common pipistrelle 3 28-06-17 23:28 Common pipistrelle 1 28-06-17 23:30 Common pipistrelle 1 28-06-17 23:33 Soprano pipistrelle 1 28-06-17 23:34 Common pipistrelle 2 28-06-17 23:35 Common pipistrelle 1 28-06-17 23:40 Common pipistrelle 1 28-06-17 23:42 Soprano pipistrelle 1 29-06-17 00:00 Common pipistrelle 1 29-06-17 00:01 Common pipistrelle 2 29-06-17 00:03 Common pipistrelle 2 29-06-17 00:06 Soprano pipistrelle 1 29-06-17 00:07 Common pipistrelle 1 29-06-17 00:07 Common pipistrelle 3	
28-06-17 23:23 Soprano pipistrelle 1 28-06-17 23:25 Common pipistrelle 2 28-06-17 23:26 Common pipistrelle 3 28-06-17 23:28 Common pipistrelle 1 28-06-17 23:30 Common pipistrelle 1 28-06-17 23:33 Soprano pipistrelle 1 28-06-17 23:34 Common pipistrelle 2 28-06-17 23:35 Common pipistrelle 1 28-06-17 23:40 Common pipistrelle 1 28-06-17 23:42 Soprano pipistrelle 1 29-06-17 00:00 Common pipistrelle 1 29-06-17 00:01 Common pipistrelle 2 29-06-17 00:03 Common pipistrelle 2 29-06-17 00:06 Soprano pipistrelle 1 29-06-17 00:07 Common pipistrelle 1 29-06-17 00:07 Common pipistrelle 3	
28-06-17 23:25 Common pipistrelle 2 28-06-17 23:26 Common pipistrelle 3 28-06-17 23:28 Common pipistrelle 1 28-06-17 23:30 Common pipistrelle 1 28-06-17 23:33 Soprano pipistrelle 1 28-06-17 23:34 Common pipistrelle 2 28-06-17 23:35 Common pipistrelle 1 28-06-17 23:40 Common pipistrelle 1 28-06-17 23:42 Soprano pipistrelle 1 29-06-17 00:00 Common pipistrelle 1 29-06-17 00:01 Common pipistrelle 2 29-06-17 00:06 Soprano pipistrelle 1 29-06-17 00:06 Soprano pipistrelle 1 29-06-17 00:07 Common pipistrelle 1 29-06-17 00:07 Common pipistrelle 3	
28-06-17 23:26 Common pipistrelle 3 28-06-17 23:28 Common pipistrelle 1 28-06-17 23:30 Common pipistrelle 1 28-06-17 23:33 Soprano pipistrelle 1 28-06-17 23:34 Common pipistrelle 2 28-06-17 23:35 Common pipistrelle 1 28-06-17 23:40 Common pipistrelle 1 28-06-17 23:42 Soprano pipistrelle 1 29-06-17 00:00 Common pipistrelle 1 29-06-17 00:03 Common pipistrelle 2 29-06-17 00:06 Soprano pipistrelle 1 29-06-17 00:07 Common pipistrelle 1 29-06-17 00:07 Common pipistrelle 1 29-06-17 00:07 Common pipistrelle 1 29-06-17 00:01 Common pipistrelle 3	
28-06-17 23:28 Common pipistrelle 1 28-06-17 23:30 Common pipistrelle 1 28-06-17 23:33 Soprano pipistrelle 1 28-06-17 23:34 Common pipistrelle 2 28-06-17 23:35 Common pipistrelle 1 28-06-17 23:40 Common pipistrelle 1 28-06-17 23:42 Soprano pipistrelle 1 29-06-17 00:00 Common pipistrelle 1 29-06-17 00:03 Common pipistrelle 2 29-06-17 00:06 Soprano pipistrelle 1 29-06-17 00:07 Common pipistrelle 1 29-06-17 00:07 Common pipistrelle 1 29-06-17 00:01 Common pipistrelle 1 29-06-17 00:07 Common pipistrelle 3	
28-06-17 23:30 Common pipistrelle 1 28-06-17 23:33 Soprano pipistrelle 1 28-06-17 23:34 Common pipistrelle 2 28-06-17 23:35 Common pipistrelle 1 28-06-17 23:40 Common pipistrelle 1 28-06-17 23:42 Soprano pipistrelle 1 29-06-17 00:00 Common pipistrelle 1 29-06-17 00:01 Common pipistrelle 1 29-06-17 00:03 Common pipistrelle 1 29-06-17 00:06 Soprano pipistrelle 1 29-06-17 00:07 Common pipistrelle 1 29-06-17 00:01 Common pipistrelle 1 29-06-17 00:01 Common pipistrelle 1 29-06-17 00:01 Common pipistrelle 3	
28-06-17 23:33 Soprano pipistrelle 1 28-06-17 23:34 Common pipistrelle 2 28-06-17 23:35 Common pipistrelle 1 28-06-17 23:40 Common pipistrelle 1 28-06-17 23:42 Soprano pipistrelle 1 29-06-17 00:00 Common pipistrelle 1 29-06-17 00:01 Common pipistrelle 2 29-06-17 00:03 Common pipistrelle 1 29-06-17 00:06 Soprano pipistrelle 1 29-06-17 00:07 Common pipistrelle 1 29-06-17 00:11 Common pipistrelle 3	
28-06-17 23:34 Common pipistrelle 2 28-06-17 23:35 Common pipistrelle 1 28-06-17 23:40 Common pipistrelle 1 28-06-17 23:42 Soprano pipistrelle 1 29-06-17 00:00 Common pipistrelle 1 29-06-17 00:01 Common pipistrelle 1 29-06-17 00:03 Common pipistrelle 2 29-06-17 00:06 Soprano pipistrelle 1 29-06-17 00:07 Common pipistrelle 1 29-06-17 00:11 Common pipistrelle 3	
28-06-17 23:35 Common pipistrelle 1 28-06-17 23:40 Common pipistrelle 1 28-06-17 23:42 Soprano pipistrelle 1 29-06-17 00:00 Common pipistrelle 1 29-06-17 00:01 Common pipistrelle 1 29-06-17 00:03 Common pipistrelle 2 29-06-17 00:06 Soprano pipistrelle 1 29-06-17 00:07 Common pipistrelle 1 29-06-17 00:11 Common pipistrelle 3	
28-06-17 23:40 Common pipistrelle 1 28-06-17 23:42 Soprano pipistrelle 1 29-06-17 00:00 Common pipistrelle 1 29-06-17 00:01 Common pipistrelle 1 29-06-17 00:03 Common pipistrelle 2 29-06-17 00:06 Soprano pipistrelle 1 29-06-17 00:07 Common pipistrelle 1 29-06-17 00:11 Common pipistrelle 3	
28-06-17 23:42 Soprano pipistrelle 1 29-06-17 00:00 Common pipistrelle 1 29-06-17 00:01 Common pipistrelle 1 29-06-17 00:03 Common pipistrelle 2 29-06-17 00:06 Soprano pipistrelle 1 29-06-17 00:07 Common pipistrelle 1 29-06-17 00:11 Common pipistrelle 3	
29-06-17 00:00 Common pipistrelle 1 29-06-17 00:01 Common pipistrelle 1 29-06-17 00:03 Common pipistrelle 2 29-06-17 00:06 Soprano pipistrelle 1 29-06-17 00:07 Common pipistrelle 1 29-06-17 00:11 Common pipistrelle 3	
29-06-17 00:01 Common pipistrelle 1 29-06-17 00:03 Common pipistrelle 2 29-06-17 00:06 Soprano pipistrelle 1 29-06-17 00:07 Common pipistrelle 1 29-06-17 00:11 Common pipistrelle 3	
29-06-17 00:03 Common pipistrelle 2 29-06-17 00:06 Soprano pipistrelle 1 29-06-17 00:07 Common pipistrelle 1 29-06-17 00:11 Common pipistrelle 3	
29-06-17 00:06 Soprano pipistrelle 1 29-06-17 00:07 Common pipistrelle 1 29-06-17 00:11 Common pipistrelle 3	
29-06-17 00:07 Common pipistrelle 1 29-06-17 00:11 Common pipistrelle 3	
29-06-17 00:15 Common pinistrelle 2	
29-06-17 00:18 Common pipistrelle 4	
29-06-17 00:20 Common pipistrelle 1	
29-06-17 00:35 Soprano pipistrelle 1	
29-06-17 01:01 Common pipistrelle 2	
29-06-17 01:04 Common pipistrelle 4	
29-06-17 01:20 <i>Myotis</i> species 1	
29-06-17 01:43 <i>Nyctalus</i> species 1	
29-06-17 01:52 Soprano pipistrelle 1	
29-06-17 01:53 Soprano pipistrelle 1	
29-06-17 03:43 Soprano pipistrelle 1	
Evening 3	
29-06-17 21:31 Noctule 1	
29-06-17 21:37 Common pipistrelle 1	
29-06-17 21:45 Soprano pipistrelle 1	
29-06-17 21:50 Soprano pipistrelle 1	
29-06-17 21:52 Noctule 2	
29-06-17 22:04 Soprano pipistrelle 1	

John Wenman Ecological Consultancy

00.00.47	00:40	Mantala	
29-06-17	22:10	Noctule	2
29-06-17	22:49	Common pipistrelle	3
29-06-17	22:50	Common pipistrelle	1
29-06-17	22:54	Common pipistrelle	1
29-06-17	22:54	Soprano pipistrelle	2
29-06-17	22:55	Common pipistrelle	1
29-06-17	22:55	Soprano pipistrelle	2
29-06-17	22:56	Soprano pipistrelle	2
29-06-17	22:57	Soprano pipistrelle	1
29-06-17	23:05	Soprano pipistrelle	1
29-06-17	23:08	Common pipistrelle	1
29-06-17	23:09	Common pipistrelle	2
29-06-17	23:10	Common pipistrelle	2
29-06-17	23:11	Common pipistrelle	3
29-06-17	23:11	Soprano pipistrelle	1
29-06-17	23:12	Common pipistrelle	1
29-06-17	23:14	Common pipistrelle	1
29-06-17	23:15	Common pipistrelle	2
29-06-17	23:16	Common pipistrelle	2
29-06-17	23:17	Common pipistrelle	2
29-06-17	23:18	Common pipistrelle	2
29-06-17	23:19	Common pipistrelle	3
29-06-17	23:20	Common pipistrelle	3
29-06-17	23:21	Soprano pipistrelle	1
29-06-17	23:22	Common pipistrelle	3
29-06-17	23:23	Common pipistrelle	3
29-06-17	23:23	Soprano pipistrelle	2
29-06-17	23:24	Soprano pipistrelle	1
29-06-17	23:25	Common pipistrelle	2
29-06-17	23:26	Common pipistrelle	3
29-06-17	23:27	Common pipistrelle	2
29-06-17	23:28	Common pipistrelle	1
29-06-17	23:28	Soprano pipistrelle	1
29-06-17	23:30	Soprano pipistrelle	1
29-06-17	23:31	Common pipistrelle	3
29-06-17	23:31	Soprano pipistrelle	1
29-06-17	23:35	Soprano pipistrelle	1
29-06-17	23:38	Soprano pipistrelle	1
29-06-17	23:39	Common pipistrelle	1
29-06-17	23:40	Common pipistrelle	2
			1
29-06-17	23:41	Common pipistrelle	
29-06-17	23:43	Common pipistrelle	2
29-06-17	23:44	Common pipistrelle	1
29-06-17	23:45	Common pipistrelle	2
29-06-17	23:46	Common pipistrelle	3
29-06-17	23:47	Soprano pipistrelle	1
29-06-17	23:48	Common pipistrelle	2
29-06-17	23:48	Soprano pipistrelle	1
29-06-17	23:49	Common pipistrelle	1
29-06-17	23:49	Soprano pipistrelle	1
29-06-17	23:50	Common pipistrelle	4

29-06-17	29-06-17	22.50	Conrana niniatralla	1
29-06-17 23:53 Common pipistrelle 2		23:50	Soprano pipistrelle	
29-06-17 23:53 Soprano pipistrelle 2				=
29-06-17 23:54 Common pipistrelle 1				
29-06-17 23:55 Common pipistrelle 2 29-06-17 23:57 Soprano pipistrelle 1 29-06-17 23:58 Common pipistrelle 2 29-06-17 00:00 Soprano pipistrelle 1 30-06-17 00:02 Soprano pipistrelle 1 30-06-17 00:04 Soprano pipistrelle 1 30-06-17 00:08 Common pipistrelle 1 30-06-17 00:08 Common pipistrelle 1 30-06-17 00:08 Common pipistrelle 2 30-06-17 00:09 Common pipistrelle 2 30-06-17 00:09 Common pipistrelle 2 30-06-17 00:10 Common pipistrelle 1 30-06-17 00:13 Soprano pipistrelle 1 30-06-17 00:15 Soprano pipistrelle 1 30-06-17 00:15 Soprano pipistrelle 1 30-06-17 00:20 Common pipistrelle 1 30-06-17 00:21 <td< td=""><td></td><td></td><td></td><td></td></td<>				
29-06-17 23:57 Soprano pipistrelle 1 29-06-17 23:58 Common pipistrelle 2 29-06-17 23:58 Soprano pipistrelle 2 30-06-17 00:00 Soprano pipistrelle 1 30-06-17 00:02 Soprano pipistrelle 1 30-06-17 00:08 Common pipistrelle 1 30-06-17 00:08 Common pipistrelle 2 30-06-17 00:09 Common pipistrelle 2 30-06-17 00:09 Common pipistrelle 2 30-06-17 00:10 Common pipistrelle 1 30-06-17 00:10 Common pipistrelle 1 30-06-17 00:12 Common pipistrelle 1 30-06-17 00:15 Soprano pipistrelle 1 30-06-17 00:19 Common pipistrelle 1 30-06-17 00:20 Common pipistrelle 1 30-06-17 00:20 Common pipistrelle 1 30-06-17 00:21 C			• •	
29-06-17 23:58 Common pipistrelle 2 29-06-17 23:58 Soprano pipistrelle 2 30-06-17 00:00 Soprano pipistrelle 1 30-06-17 00:02 Soprano pipistrelle 1 30-06-17 00:08 Common pipistrelle 1 30-06-17 00:08 Soprano pipistrelle 2 30-06-17 00:08 Soprano pipistrelle 2 30-06-17 00:09 Common pipistrelle 2 30-06-17 00:10 Common pipistrelle 1 30-06-17 00:12 Common pipistrelle 1 30-06-17 00:13 Soprano pipistrelle 1 30-06-17 00:15 Soprano pipistrelle 1 30-06-17 00:15 Soprano pipistrelle 1 30-06-17 00:20 Common pipistrelle 1 30-06-17 00:21 Common pipistrelle 1 30-06-17 00:22 Common pipistrelle 1 30-06-17 00:23 <t< td=""><td></td><td></td><td>* *</td><td></td></t<>			* *	
29-06-17				
30-06-17				
30-06-17 00:02 Soprano pipistrelle 1				
30-06-17 00:04 Soprano pipistrelle 1 1 30-06-17 00:08 Common pipistrelle 1 1 30-06-17 00:08 Soprano pipistrelle 2 30-06-17 00:09 Common pipistrelle 2 30-06-17 00:10 Common pipistrelle 1 1 30-06-17 00:10 Common pipistrelle 1 1 30-06-17 00:12 Common pipistrelle 1 1 30-06-17 00:13 Soprano pipistrelle 2 30-06-17 00:15 Soprano pipistrelle 1 1 30-06-17 00:19 Common pipistrelle 1 1 30-06-17 00:20 Common pipistrelle 1 1 30-06-17 00:20 Common pipistrelle 1 1 30-06-17 00:20 Common pipistrelle 1 1 30-06-17 00:21 Common pipistrelle 1 1 30-06-17 00:22 Common pipistrelle 1 30-06-17 00:22 Common pipistrelle 1 1 30-06-17 00:23 Common pipistrelle 1 1 30-06-17 00:24 Common pipistrelle 1 30-06-17 00:24 Soprano pipistrelle 1 30-06-17 00:25 Common pipistrelle 2 30-06-17 00:25 Soprano pipistrelle 2 30-06-17 00:26 Common pipistrelle 2 30-06-17 00:26 Soprano pipistrelle 3 30-06-17 00:26 Soprano pipistrelle 3 30-06-17 00:28 Common pipistrelle 3 30-06-17 00:29 Common pipistrelle 3 30-06-17 00:29 Common pipistrelle 3 30-06-17 00:29 Common pipistrelle 3 30-06-17 00:30 Soprano pipistrelle 2 30-06-17 00:30 Soprano pipistrelle 2 30-06-17 00:31 Common pipistrelle 2 30-06-17 00:32 Common pipistrelle 2 30-06-17 00:34 Soprano pipistrelle 2 30-06-17 00:34 Soprano pipistrelle 2 30-06-17 00:35 Common pipistrelle 2 30-06-17 00:36 Soprano pipistrelle				1
30-06-17				
30-06-17 00:08 Soprano pipistrelle 2	30-06-17	00:04	Soprano pipistrelle	
30-06-17		00:08	Common pipistrelle	
30-06-17	30-06-17	00:08	Soprano pipistrelle	2
30-06-17 00:12 Common pipistrelle 1 30-06-17 00:13 Soprano pipistrelle 2 30-06-17 00:15 Soprano pipistrelle 1 30-06-17 00:19 Common pipistrelle 1 30-06-17 00:20 Common pipistrelle 1 30-06-17 00:21 Common pipistrelle 1 30-06-17 00:22 Common pipistrelle 1 30-06-17 00:23 Common pipistrelle 1 30-06-17 00:24 Common pipistrelle 1 30-06-17 00:24 Soprano pipistrelle 2 30-06-17 00:25 Common pipistrelle 2 30-06-17 00:25 Soprano pipistrelle 2 30-06-17 00:26 Soprano pipistrelle 2 30-06-17 00:26 Soprano pipistrelle 3 30-06-17 00:27 Soprano pipistrelle 3 30-06-17 00:28 Common pipistrelle 1 30-06-17 00:30 <td< td=""><td>30-06-17</td><td>00:09</td><td>Common pipistrelle</td><td>2</td></td<>	30-06-17	00:09	Common pipistrelle	2
30-06-17 00:13 Soprano pipistrelle 2 30-06-17 00:15 Soprano pipistrelle 1 30-06-17 00:19 Common pipistrelle 1 30-06-17 00:20 Common pipistrelle 1 30-06-17 00:21 Common pipistrelle 1 30-06-17 00:22 Common pipistrelle 1 30-06-17 00:23 Common pipistrelle 1 30-06-17 00:24 Common pipistrelle 1 30-06-17 00:24 Soprano pipistrelle 2 30-06-17 00:25 Common pipistrelle 2 30-06-17 00:25 Soprano pipistrelle 2 30-06-17 00:26 Soprano pipistrelle 2 30-06-17 00:26 Soprano pipistrelle 3 30-06-17 00:27 Soprano pipistrelle 3 30-06-17 00:28 Common pipistrelle 3 30-06-17 00:30 Soprano pipistrelle 2 30-06-17 00:30 <t< td=""><td>30-06-17</td><td>00:10</td><td>Common pipistrelle</td><td>1</td></t<>	30-06-17	00:10	Common pipistrelle	1
30-06-17 00:15 Soprano pipistrelle 1 30-06-17 00:19 Common pipistrelle 1 30-06-17 00:20 Common pipistrelle 1 30-06-17 00:21 Common pipistrelle 1 30-06-17 00:22 Common pipistrelle 1 30-06-17 00:23 Common pipistrelle 1 30-06-17 00:24 Common pipistrelle 1 30-06-17 00:24 Soprano pipistrelle 2 30-06-17 00:24 Soprano pipistrelle 2 30-06-17 00:25 Common pipistrelle 2 30-06-17 00:25 Soprano pipistrelle 2 30-06-17 00:26 Soprano pipistrelle 2 30-06-17 00:26 Soprano pipistrelle 3 30-06-17 00:27 Soprano pipistrelle 3 30-06-17 00:28 Common pipistrelle 1 30-06-17 00:30 Common pipistrelle 2 30-06-17 00:31 <td< td=""><td>30-06-17</td><td>00:12</td><td>Common pipistrelle</td><td>1</td></td<>	30-06-17	00:12	Common pipistrelle	1
30-06-17 00:19 Common pipistrelle 1 30-06-17 00:20 Common pipistrelle 1 30-06-17 00:21 Common pipistrelle 1 30-06-17 00:22 Common pipistrelle 1 30-06-17 00:23 Common pipistrelle 1 30-06-17 00:24 Common pipistrelle 1 30-06-17 00:24 Soprano pipistrelle 2 30-06-17 00:25 Common pipistrelle 2 30-06-17 00:25 Soprano pipistrelle 2 30-06-17 00:26 Common pipistrelle 2 30-06-17 00:26 Soprano pipistrelle 3 30-06-17 00:28 Common pipistrelle 3 30-06-17 00:28 Common pipistrelle 3 30-06-17 00:30 Common pipistrelle 2 30-06-17 00:30 Soprano pipistrelle 2 30-06-17 00:31 Common pipistrelle 2 30-06-17 00:32 Co	30-06-17	00:13	Soprano pipistrelle	2
30-06-17 00:20 Common pipistrelle 1 30-06-17 00:21 Common pipistrelle 1 30-06-17 00:22 Common pipistrelle 1 30-06-17 00:23 Common pipistrelle 1 30-06-17 00:24 Common pipistrelle 1 30-06-17 00:24 Soprano pipistrelle 2 30-06-17 00:25 Common pipistrelle 1 30-06-17 00:25 Soprano pipistrelle 2 30-06-17 00:26 Common pipistrelle 2 30-06-17 00:26 Soprano pipistrelle 3 30-06-17 00:27 Soprano pipistrelle 3 30-06-17 00:28 Common pipistrelle 3 30-06-17 00:29 Common pipistrelle 1 30-06-17 00:30 Common pipistrelle 2 30-06-17 00:30 Soprano pipistrelle 2 30-06-17 00:31 Common pipistrelle 3 30-06-17 00:33 C	30-06-17	00:15	Soprano pipistrelle	1
30-06-17 00:21 Common pipistrelle 1 30-06-17 00:22 Common pipistrelle 1 30-06-17 00:23 Common pipistrelle 1 30-06-17 00:24 Common pipistrelle 1 30-06-17 00:24 Soprano pipistrelle 2 30-06-17 00:25 Common pipistrelle 2 30-06-17 00:25 Soprano pipistrelle 2 30-06-17 00:26 Common pipistrelle 2 30-06-17 00:26 Soprano pipistrelle 3 30-06-17 00:26 Soprano pipistrelle 3 30-06-17 00:27 Soprano pipistrelle 3 30-06-17 00:28 Common pipistrelle 3 30-06-17 00:29 Common pipistrelle 2 30-06-17 00:30 Soprano pipistrelle 2 30-06-17 00:31 Common pipistrelle 2 30-06-17 00:32 Common pipistrelle 2 30-06-17 00:34	30-06-17	00:19	Common pipistrelle	1
30-06-17 00:21 Common pipistrelle 1 30-06-17 00:22 Common pipistrelle 1 30-06-17 00:23 Common pipistrelle 1 30-06-17 00:24 Common pipistrelle 1 30-06-17 00:24 Soprano pipistrelle 2 30-06-17 00:25 Common pipistrelle 2 30-06-17 00:25 Soprano pipistrelle 2 30-06-17 00:26 Common pipistrelle 2 30-06-17 00:26 Soprano pipistrelle 3 30-06-17 00:26 Soprano pipistrelle 3 30-06-17 00:27 Soprano pipistrelle 3 30-06-17 00:28 Common pipistrelle 3 30-06-17 00:30 Common pipistrelle 2 30-06-17 00:30 Soprano pipistrelle 2 30-06-17 00:31 Common pipistrelle 1 30-06-17 00:32 Common pipistrelle 2 30-06-17 00:34	30-06-17	00:20	Common pipistrelle	1
30-06-17 00:23 Common pipistrelle 1 30-06-17 00:24 Common pipistrelle 1 30-06-17 00:24 Soprano pipistrelle 2 30-06-17 00:25 Common pipistrelle 2 30-06-17 00:25 Soprano pipistrelle 2 30-06-17 00:26 Common pipistrelle 2 30-06-17 00:26 Soprano pipistrelle 3 30-06-17 00:26 Soprano pipistrelle 3 30-06-17 00:27 Soprano pipistrelle 3 30-06-17 00:28 Common pipistrelle 3 30-06-17 00:30 Common pipistrelle 2 30-06-17 00:30 Soprano pipistrelle 2 30-06-17 00:30 Soprano pipistrelle 2 30-06-17 00:31 Common pipistrelle 3 30-06-17 00:32 Common pipistrelle 2 30-06-17 00:34 Common pipistrelle 2 30-06-17 00:34 <td< td=""><td>30-06-17</td><td>00:21</td><td></td><td>1</td></td<>	30-06-17	00:21		1
30-06-17 00:23 Common pipistrelle 1 30-06-17 00:24 Common pipistrelle 1 30-06-17 00:25 Soprano pipistrelle 2 30-06-17 00:25 Soprano pipistrelle 2 30-06-17 00:26 Common pipistrelle 2 30-06-17 00:26 Soprano pipistrelle 3 30-06-17 00:26 Soprano pipistrelle 3 30-06-17 00:27 Soprano pipistrelle 3 30-06-17 00:28 Common pipistrelle 3 30-06-17 00:29 Common pipistrelle 1 30-06-17 00:30 Soprano pipistrelle 2 30-06-17 00:30 Soprano pipistrelle 2 30-06-17 00:31 Common pipistrelle 1 30-06-17 00:32 Common pipistrelle 2 30-06-17 00:34 Common pipistrelle 2 30-06-17 00:34 Soprano pipistrelle 1 30-06-17 00:35 <t< td=""><td>30-06-17</td><td>00:22</td><td></td><td>1</td></t<>	30-06-17	00:22		1
30-06-17 00:24 Common pipistrelle 1 30-06-17 00:24 Soprano pipistrelle 2 30-06-17 00:25 Common pipistrelle 1 30-06-17 00:25 Soprano pipistrelle 2 30-06-17 00:26 Common pipistrelle 3 30-06-17 00:26 Soprano pipistrelle 3 30-06-17 00:27 Soprano pipistrelle 3 30-06-17 00:28 Common pipistrelle 3 30-06-17 00:29 Common pipistrelle 1 30-06-17 00:30 Common pipistrelle 2 30-06-17 00:30 Soprano pipistrelle 2 30-06-17 00:31 Common pipistrelle 1 30-06-17 00:32 Common pipistrelle 3 30-06-17 00:33 Common pipistrelle 2 30-06-17 00:34 Common pipistrelle 2 30-06-17 00:34 Soprano pipistrelle 1 30-06-17 00:35	30-06-17	00:23		1
30-06-17 00:24 Soprano pipistrelle 2 30-06-17 00:25 Common pipistrelle 1 30-06-17 00:26 Soprano pipistrelle 2 30-06-17 00:26 Soprano pipistrelle 3 30-06-17 00:26 Soprano pipistrelle 3 30-06-17 00:27 Soprano pipistrelle 3 30-06-17 00:28 Common pipistrelle 3 30-06-17 00:39 Common pipistrelle 1 30-06-17 00:30 Soprano pipistrelle 2 30-06-17 00:30 Soprano pipistrelle 2 30-06-17 00:31 Common pipistrelle 1 30-06-17 00:32 Common pipistrelle 2 30-06-17 00:33 Common pipistrelle 2 30-06-17 00:34 Soprano pipistrelle 2 30-06-17 00:35 Common pipistrelle 2 30-06-17 00:36 Common pipistrelle 2 30-06-17 00:36 <t< td=""><td></td><td></td><td></td><td></td></t<>				
30-06-17 00:25 Common pipistrelle 1 30-06-17 00:26 Soprano pipistrelle 2 30-06-17 00:26 Common pipistrelle 2 30-06-17 00:26 Soprano pipistrelle 3 30-06-17 00:27 Soprano pipistrelle 3 30-06-17 00:28 Common pipistrelle 3 30-06-17 00:39 Common pipistrelle 1 30-06-17 00:30 Soprano pipistrelle 2 30-06-17 00:30 Soprano pipistrelle 2 30-06-17 00:31 Common pipistrelle 1 30-06-17 00:32 Common pipistrelle 3 30-06-17 00:33 Common pipistrelle 2 30-06-17 00:34 Soprano pipistrelle 1 30-06-17 00:34 Soprano pipistrelle 2 30-06-17 00:35 Common pipistrelle 2 30-06-17 00:36 Soprano pipistrelle 2 30-06-17 00:36 <t< td=""><td></td><td></td><td></td><td></td></t<>				
30-06-17 00:26 Soprano pipistrelle 2 30-06-17 00:26 Soprano pipistrelle 2 30-06-17 00:26 Soprano pipistrelle 3 30-06-17 00:27 Soprano pipistrelle 3 30-06-17 00:28 Common pipistrelle 3 30-06-17 00:29 Common pipistrelle 1 30-06-17 00:30 Common pipistrelle 2 30-06-17 00:30 Soprano pipistrelle 2 30-06-17 00:31 Common pipistrelle 1 30-06-17 00:32 Common pipistrelle 2 30-06-17 00:33 Common pipistrelle 2 30-06-17 00:34 Common pipistrelle 2 30-06-17 00:34 Soprano pipistrelle 1 30-06-17 00:35 Common pipistrelle 2 30-06-17 00:36 Soprano pipistrelle 2 30-06-17 00:36 Soprano pipistrelle 1 30-06-17 00:37 <t< td=""><td></td><td></td><td></td><td></td></t<>				
30-06-17 00:26 Common pipistrelle 2 30-06-17 00:26 Soprano pipistrelle 3 30-06-17 00:27 Soprano pipistrelle 3 30-06-17 00:28 Common pipistrelle 3 30-06-17 00:29 Common pipistrelle 1 30-06-17 00:30 Common pipistrelle 2 30-06-17 00:30 Soprano pipistrelle 2 30-06-17 00:31 Common pipistrelle 1 30-06-17 00:32 Common pipistrelle 3 30-06-17 00:33 Common pipistrelle 2 30-06-17 00:34 Common pipistrelle 2 30-06-17 00:34 Soprano pipistrelle 1 30-06-17 00:35 Common pipistrelle 2 30-06-17 00:36 Soprano pipistrelle 2 30-06-17 00:36 Soprano pipistrelle 1 30-06-17 00:36 Soprano pipistrelle 2 30-06-17 00:37 <td< td=""><td></td><td></td><td>• •</td><td></td></td<>			• •	
30-06-17 00:26 Soprano pipistrelle 3 30-06-17 00:27 Soprano pipistrelle 3 30-06-17 00:28 Common pipistrelle 3 30-06-17 00:29 Common pipistrelle 1 30-06-17 00:30 Soprano pipistrelle 2 30-06-17 00:30 Soprano pipistrelle 2 30-06-17 00:31 Common pipistrelle 3 30-06-17 00:32 Common pipistrelle 3 30-06-17 00:33 Common pipistrelle 2 30-06-17 00:34 Common pipistrelle 2 30-06-17 00:34 Soprano pipistrelle 1 30-06-17 00:35 Common pipistrelle 2 30-06-17 00:36 Common pipistrelle 2 30-06-17 00:36 Soprano pipistrelle 1 30-06-17 00:37 Common pipistrelle 2 30-06-17 00:37 Soprano pipistrelle 2 30-06-17 00:37 <td< td=""><td></td><td></td><td></td><td></td></td<>				
30-06-17 00:28 Common pipistrelle 3 30-06-17 00:29 Common pipistrelle 1 30-06-17 00:30 Common pipistrelle 2 30-06-17 00:30 Soprano pipistrelle 2 30-06-17 00:31 Common pipistrelle 1 30-06-17 00:32 Common pipistrelle 3 30-06-17 00:33 Common pipistrelle 2 30-06-17 00:34 Common pipistrelle 2 30-06-17 00:34 Soprano pipistrelle 1 30-06-17 00:35 Common pipistrelle 2 30-06-17 00:36 Common pipistrelle 2 30-06-17 00:36 Soprano pipistrelle 1 30-06-17 00:36 Soprano pipistrelle 2 30-06-17 00:37 Common pipistrelle 2 30-06-17 00:37 Soprano pipistrelle 4				
30-06-17 00:28 Common pipistrelle 3 30-06-17 00:29 Common pipistrelle 1 30-06-17 00:30 Common pipistrelle 2 30-06-17 00:30 Soprano pipistrelle 2 30-06-17 00:31 Common pipistrelle 1 30-06-17 00:32 Common pipistrelle 3 30-06-17 00:33 Common pipistrelle 2 30-06-17 00:34 Common pipistrelle 2 30-06-17 00:34 Soprano pipistrelle 1 30-06-17 00:35 Common pipistrelle 2 30-06-17 00:36 Common pipistrelle 2 30-06-17 00:36 Soprano pipistrelle 1 30-06-17 00:37 Common pipistrelle 2 30-06-17 00:37 Soprano pipistrelle 2 30-06-17 00:37 Soprano pipistrelle 4				
30-06-17 00:29 Common pipistrelle 1 30-06-17 00:30 Common pipistrelle 2 30-06-17 00:30 Soprano pipistrelle 2 30-06-17 00:31 Common pipistrelle 1 30-06-17 00:32 Common pipistrelle 3 30-06-17 00:33 Common pipistrelle 2 30-06-17 00:34 Common pipistrelle 2 30-06-17 00:34 Soprano pipistrelle 1 30-06-17 00:35 Common pipistrelle 2 30-06-17 00:36 Common pipistrelle 2 30-06-17 00:36 Soprano pipistrelle 1 30-06-17 00:37 Common pipistrelle 2 30-06-17 00:37 Soprano pipistrelle 4				
30-06-17 00:30 Common pipistrelle 2 30-06-17 00:30 Soprano pipistrelle 2 30-06-17 00:31 Common pipistrelle 1 30-06-17 00:32 Common pipistrelle 3 30-06-17 00:33 Common pipistrelle 2 30-06-17 00:34 Common pipistrelle 2 30-06-17 00:34 Soprano pipistrelle 1 30-06-17 00:35 Common pipistrelle 2 30-06-17 00:36 Common pipistrelle 2 30-06-17 00:36 Soprano pipistrelle 1 30-06-17 00:37 Common pipistrelle 2 30-06-17 00:37 Soprano pipistrelle 4				
30-06-17 00:30 Soprano pipistrelle 2 30-06-17 00:31 Common pipistrelle 1 30-06-17 00:32 Common pipistrelle 3 30-06-17 00:33 Common pipistrelle 2 30-06-17 00:34 Common pipistrelle 2 30-06-17 00:34 Soprano pipistrelle 1 30-06-17 00:35 Common pipistrelle 2 30-06-17 00:36 Common pipistrelle 2 30-06-17 00:36 Soprano pipistrelle 1 30-06-17 00:37 Common pipistrelle 2 30-06-17 00:37 Soprano pipistrelle 4				
30-06-17 00:31 Common pipistrelle 1 30-06-17 00:32 Common pipistrelle 3 30-06-17 00:33 Common pipistrelle 2 30-06-17 00:34 Common pipistrelle 2 30-06-17 00:34 Soprano pipistrelle 1 30-06-17 00:35 Common pipistrelle 2 30-06-17 00:36 Common pipistrelle 2 30-06-17 00:36 Soprano pipistrelle 1 30-06-17 00:37 Common pipistrelle 2 30-06-17 00:37 Soprano pipistrelle 4				
30-06-17 00:32 Common pipistrelle 3 30-06-17 00:33 Common pipistrelle 2 30-06-17 00:34 Common pipistrelle 2 30-06-17 00:34 Soprano pipistrelle 1 30-06-17 00:35 Common pipistrelle 2 30-06-17 00:36 Common pipistrelle 2 30-06-17 00:36 Soprano pipistrelle 1 30-06-17 00:37 Common pipistrelle 2 30-06-17 00:37 Soprano pipistrelle 4				
30-06-17 00:33 Common pipistrelle 2 30-06-17 00:34 Common pipistrelle 2 30-06-17 00:34 Soprano pipistrelle 1 30-06-17 00:35 Common pipistrelle 2 30-06-17 00:36 Common pipistrelle 2 30-06-17 00:36 Soprano pipistrelle 1 30-06-17 00:37 Common pipistrelle 2 30-06-17 00:37 Soprano pipistrelle 4				
30-06-17 00:34 Common pipistrelle 2 30-06-17 00:34 Soprano pipistrelle 1 30-06-17 00:35 Common pipistrelle 2 30-06-17 00:36 Common pipistrelle 2 30-06-17 00:36 Soprano pipistrelle 1 30-06-17 00:37 Common pipistrelle 2 30-06-17 00:37 Soprano pipistrelle 4			* *	
30-06-17 00:34 Soprano pipistrelle 1 30-06-17 00:35 Common pipistrelle 2 30-06-17 00:36 Common pipistrelle 2 30-06-17 00:36 Soprano pipistrelle 1 30-06-17 00:37 Common pipistrelle 2 30-06-17 00:37 Soprano pipistrelle 4				
30-06-17 00:35 Common pipistrelle 2 30-06-17 00:36 Common pipistrelle 2 30-06-17 00:36 Soprano pipistrelle 1 30-06-17 00:37 Common pipistrelle 2 30-06-17 00:37 Soprano pipistrelle 4			* *	
30-06-17 00:36 Common pipistrelle 2 30-06-17 00:36 Soprano pipistrelle 1 30-06-17 00:37 Common pipistrelle 2 30-06-17 00:37 Soprano pipistrelle 4				
30-06-17 00:36 Soprano pipistrelle 1 30-06-17 00:37 Common pipistrelle 2 30-06-17 00:37 Soprano pipistrelle 4				
30-06-17 00:37 Common pipistrelle 2 30-06-17 00:37 Soprano pipistrelle 4				
30-06-17 00:37 Soprano pipistrelle 4				
			* *	
30-06-17 00:37 Social 1				
30-06-17 00:38 Soprano pipistrelle 2				
30-06-17 00:39 Common pipistrelle 2		00:39	• •	
30-06-17 00:40 Common pipistrelle 2				
30-06-17 00:40 Soprano pipistrelle 4		00:40	Soprano pipistrelle	
30-06-17 00:41 Common pipistrelle 1	30-06-17	00:41	Common pipistrelle	1

30-06-17	00:41	Soprano pipistrelle	3
30-06-17	00:42	Common pipistrelle	1
30-06-17	00:43	Common pipistrelle	1
30-06-17	00:44	Common pipistrelle	1
30-06-17	00:46	Common pipistrelle	2
30-06-17	00:47	Common pipistrelle	1
30-06-17	00:47	Soprano pipistrelle	1
30-06-17	00:48	Common pipistrelle	1
30-06-17	00:49	Common pipistrelle	2
30-06-17	00:49	Soprano pipistrelle	1
30-06-17	00:50	Common pipistrelle	2
30-06-17	00:50	Soprano pipistrelle	1
30-06-17	00:51	Common pipistrelle	2
30-06-17	00:52	Common pipistrelle	3
30-06-17	00:53	Common pipistrelle	2
30-06-17	00:53	Soprano pipistrelle	2
30-06-17	00:54	Common pipistrelle	3
30-06-17	00:55	Common pipistrelle	4
30-06-17	00:56	Common pipistrelle	3
30-06-17	00:59	Common pipistrelle	1
30-06-17	01:00	Soprano pipistrelle	1
30-06-17	01:01	Common pipistrelle	1
30-06-17	01:02	Common pipistrelle	3
30-06-17	01:03	Common pipistrelle	3
30-06-17	01:03	Soprano pipistrelle	1
30-06-17	01:03		3
30-06-17	01:04	Common pipistrelle	2
		Common pipistrelle	1
30-06-17	01:06	Soprano pipistrelle	1
30-06-17 30-06-17	01:07 01:08	Common pipistrelle Common pipistrelle	2
30-06-17	01:08		1
		Soprano pipistrelle	
30-06-17	01:09	Common pipistrelle	3
30-06-17	01:10	Common pipistrelle	4
30-06-17	01:11	Common pipistrelle	3
30-06-17	01:12	Common pipistrelle	3
30-06-17	01:13	Common pipistrelle	3
30-06-17	01:14	Common pipistrelle	3
30-06-17	01:15	Common pipistrelle	3
30-06-17	01:16	Common pipistrelle	3
30-06-17	01:17	Common pipistrelle	4
30-06-17	01:18	Common pipistrelle	4
30-06-17	01:19	Common pipistrelle	2
30-06-17	01:19	Soprano pipistrelle	1
30-06-17	01:20	Common pipistrelle	4
30-06-17	01:21	Common pipistrelle	3
30-06-17	01:22	Common pipistrelle	4
30-06-17	01:23	Common pipistrelle	2
30-06-17	01:24	Common pipistrelle	2
30-06-17	01:25	Common pipistrelle	2
30-06-17	01:26	Common pipistrelle	1
30-06-17	01:27	Common pipistrelle	1

00.00.47	1 04 00	10	
30-06-17	01:29	Common pipistrelle	2
30-06-17	01:30	Common pipistrelle	1
30-06-17	01:31	Common pipistrelle	1
30-06-17	01:31	Soprano pipistrelle	1
30-06-17	01:32	Common pipistrelle	1
30-06-17	01:33	Common pipistrelle	1
30-06-17	01:36	Common pipistrelle	1
30-06-17	01:38	Common pipistrelle	1
30-06-17	01:39	Common pipistrelle	1
30-06-17	01:39	Soprano pipistrelle	2
30-06-17	01:40	Soprano pipistrelle	1
30-06-17	01:42	Common pipistrelle	1
30-06-17	01:49	Common pipistrelle	3
30-06-17	01:50	Common pipistrelle	3
30-06-17	01:51	Common pipistrelle	3
30-06-17	01:52	Common pipistrelle	2
30-06-17	01:53	Common pipistrelle	3
30-06-17	01:54	Common pipistrelle	1
30-06-17	01:57	Common pipistrelle	2
30-06-17	02:00	Common pipistrelle	1
30-06-17	02:03	Common pipistrelle	1
30-06-17	02:04	Common pipistrelle	2
30-06-17	02:05	Common pipistrelle	2
30-06-17	02:07	Soprano pipistrelle	1
30-06-17	02:08	Common pipistrelle	3
30-06-17	02:08	Soprano pipistrelle	1
30-06-17	02:11	Common pipistrelle	2
30-06-17	02:12	Common pipistrelle	2
30-06-17	02:13	Common pipistrelle	2
30-06-17	02:14	Common pipistrelle	2
30-06-17	02:15	Common pipistrelle	1
30-06-17	02:16	Common pipistrelle	2
30-06-17	02:17	Common pipistrelle	3
30-06-17	02:18	Common pipistrelle	1
30-06-17	02:22	Common pipistrelle	1
30-06-17	02:23	Common pipistrelle	1
30-06-17	02:24	Common pipistrelle	2
30-06-17	02:26	Soprano pipistrelle	1
30-06-17	02:28	Common pipistrelle	1
30-06-17	02:35	Common pipistrelle	3
30-06-17	02:36	Common pipistrelle	1
30-06-17	02:37	Common pipistrelle	1
30-06-17	02:50	Soprano pipistrelle	1
30-06-17	03:17	Soprano pipistrelle	1
30-06-17	03:59	Soprano pipistrelle	1
30-06-17	04:11	Common pipistrelle	1
30-06-17	04:25	Common pipistrelle	1
Evening 4	J - 1.20	Common pipidirelic	'
30-06-17	21:31	Noctule	1
30-06-17	21:35	Common pipistrelle	1
30-06-17	21:42	Soprano pipistrelle	1
JU UU-11	£1.7£	Copiano pipistielle	l ·

30-06-17	21:52	Noctule	2
30-06-17	22:00	Common pipistrelle	1
30-06-17	22:04	Common pipistrelle	1
30-06-17	22:10	Common pipistrelle	1
30-06-17	23:06	Nyctalus species	1
30-06-17	23:08	Common pipistrelle	1
30-06-17	23:18	Soprano pipistrelle	1
30-06-17	23:23	Soprano pipistrelle	1
30-06-17	23:30	Soprano pipistrelle	1
30-06-17	23:37	Soprano pipistrelle	1
30-06-17	23:42	Soprano pipistrelle	1
30-06-17	23:56	Soprano pipistrelle	1
30-06-17	23:58	Common pipistrelle	1
01-07-17	00:11	Soprano pipistrelle	1
01-07-17	00:12	Soprano pipistrelle	1
01-07-17	00:14	Common pipistrelle	1
01-07-17	00:14	Soprano pipistrelle	2
01-07-17	00:15	Soprano pipistrelle	2
01-07-17	00:16	Common pipistrelle	2
01-07-17	00:17	Soprano pipistrelle	1
01-07-17	00:18	Common pipistrelle	2
01-07-17	00:18	Soprano pipistrelle	1
01-07-17	00:20	Common pipistrelle	1
01-07-17	00:21	Common pipistrelle	2
01-07-17	00:22	Common pipistrelle	1
01-07-17	00:23	Common pipistrelle	3
01-07-17	00:24	Common pipistrelle	1
01-07-17	00:25	Common pipistrelle	2
01-07-17	00:26	Common pipistrelle	2
01-07-17	00:28	Common pipistrelle	1
01-07-17	00:31	Common pipistrelle	3
01-07-17	00:32	Soprano pipistrelle	1
01-07-17	00:33	Soprano pipistrelle	2
01-07-17	00:34	Soprano pipistrelle	2
01-07-17	00:36	Common pipistrelle	1
01-07-17	00:36	Soprano pipistrelle	1
01-07-17	00:37	Common pipistrelle	2
01-07-17	00:37	Soprano pipistrelle	1
01-07-17	00:38	Common pipistrelle	2
01-07-17	00:39	Common pipistrelle	2
01-07-17	00:39	Soprano pipistrelle	2
01-07-17	00:40	Common pipistrelle	3
01-07-17	00:40	Common pipistrelle	2
01-07-17	00:41	Common pipistrelle	1
01-07-17	00:42	Soprano pipistrelle	2
			1
01-07-17	00:49	Common pipistrelle	1
01-07-17	00:49	Soprano pipistrelle	1
01-07-17	00:50	Common pipistrelle	
01-07-17	00:50	Soprano pipistrelle	1
01-07-17	00:51	Soprano pipistrelle	3
01-07-17	00:52	Soprano pipistrelle	J

01-07-17	00:53	Common pipistrelle	1
01-07-17	00:53	Soprano pipistrelle	4
01-07-17	00:54	Social	
			1
01-07-17 01-07-17	00:58 01:01	Common pipistrelle	1
		Soprano pipistrelle	2
01-07-17	01:03	Common pipistrelle	
01-07-17	01:05	Common pipistrelle	2
01-07-17	01:05	Soprano pipistrelle	1
01-07-17	01:06	Common pipistrelle	3
01-07-17	01:07	Soprano pipistrelle	2
01-07-17	01:10	Soprano pipistrelle	1
01-07-17	01:11	Soprano pipistrelle	1
01-07-17	01:12	Common pipistrelle	3
01-07-17	01:12	Soprano pipistrelle	1
01-07-17	01:13	Common pipistrelle	2
01-07-17	01:16	Common pipistrelle	1
01-07-17	01:19	Common pipistrelle	2
01-07-17	01:20	Common pipistrelle	1
01-07-17	01:21	Common pipistrelle	3
01-07-17	01:22	Common pipistrelle	3
01-07-17	01:27	Common pipistrelle	1
01-07-17	01:28	Common pipistrelle	1
01-07-17	01:32	Common pipistrelle	3
01-07-17	01:35	Common pipistrelle	3
01-07-17	01:38	Soprano pipistrelle	2
01-07-17	01:39	Common pipistrelle	1
01-07-17	01:40	Common pipistrelle	2
01-07-17	01:41	Common pipistrelle	2
01-07-17	01:42	Common pipistrelle	1
01-07-17	01:43	Common pipistrelle	2
01-07-17	01:45	Common pipistrelle	1
01-07-17	01:47	Common pipistrelle	3
01-07-17	01:51	Common pipistrelle	3
01-07-17	01:52	Common pipistrelle	1
01-07-17	01:59	Soprano pipistrelle	2
01-07-17	02:00	Common pipistrelle	1
01-07-17	02:00	Soprano pipistrelle	1
01-07-17	02:01	Soprano pipistrelle	1
01-07-17	02:03	Soprano pipistrelle	1
01-07-17	02:04	Common pipistrelle	2
01-07-17	02:04	Soprano pipistrelle	1
01-07-17	02:05	Common pipistrelle	2
01-07-17	02:05	Soprano pipistrelle	1
01-07-17	02:06	Soprano pipistrelle	1
01-07-17	02:10	Myotis species	1
01-07-17	02:10	Common pipistrelle	1
01-07-17	02:15	Soprano pipistrelle	1
01-07-17	02:13	Soprano pipistrelle	1
01-07-17	02:30	Soprano pipistrelle	1
01-07-17	02:37	Common pipistrelle	1
01-07-17			2
01-07-17	02:51	Common pipistrelle	4

01-07-17	02:57	Common piniotrollo	1
01-07-17		Common pipistrelle	1
	02:59	Soprano pipistrelle	
01-07-17	03:00	Soprano pipistrelle	1
01-07-17	03:04	Common pipistrelle	1
01-07-17	03:38	Soprano pipistrelle	1
01-07-17	03:47	Common pipistrelle	1
01-07-17	04:16	Soprano pipistrelle	1
01-07-17	04:20	Common pipistrelle	1
01-07-17	04:20	Soprano pipistrelle	1
01-07-17	04:23	Soprano pipistrelle	1
01-07-17	04:26	Soprano pipistrelle	1
Evening 5			
01-07-17	22:04	Noctule	1
01-07-17	22:23	Noctule	1
01-07-17	22:48	Common pipistrelle	1
01-07-17	22:59	Common pipistrelle	1
01-07-17	22:59	Soprano pipistrelle	1
01-07-17	23:07	Soprano pipistrelle	1
01-07-17	23:11	Soprano pipistrelle	3
01-07-17	23:12	Soprano pipistrelle	1
01-07-17	23:19	Common pipistrelle	2
01-07-17	23:22	Common pipistrelle	1
01-07-17	23:23	Common pipistrelle	1
01-07-17	23:24	Common pipistrelle	3
01-07-17	23:25	Common pipistrelle	3
01-07-17	23:25	Soprano pipistrelle	1
01-07-17	23:26	Common pipistrelle	4
01-07-17	23:26	Soprano pipistrelle	1
01-07-17	23:27	Common pipistrelle social call	1
01-07-17	23:27	Common pipistrelle	1
01-07-17	23:27	Soprano pipistrelle	2
01-07-17	23:28	Common pipistrelle	4
01-07-17	23:29	Common pipistrelle	4
01-07-17	23:30	Common pipistrelle	2
01-07-17	23:30	Soprano pipistrelle	2
01-07-17	23:31	Soprano pipistrelle	1
01-07-17	23:33	Common pipistrelle	2
01-07-17	23:34	Common pipistrelle	2
01-07-17	23:40	Common pipistrelle	2
01-07-17	23:41	Common pipistrelle	5
01-07-17	23:42	Common pipistrelle	3
01-07-17	23:43	Common pipistrelle	2
01-07-17	23:44	Common pipistrelle	3
01-07-17	23:45	Common pipistrelle	4
01-07-17	23:46	Common pipistrelle	4
01-07-17	23:47	Common pipistrelle	3
01-07-17			1
	23:48	Common pipistrelle	
01-07-17	23:48	Soprano pipistrelle	1
01-07-17	23:49	Common pipistrelle	5
01-07-17	23:50	Common pipistrelle	3
01-07-17	23:51	Common pipistrelle	4

01-07-17	23:51	Sonrano pinistrollo	1
01-07-17	23:52	Soprano pipistrelle Common pipistrelle	2
01-07-17	23:52	Soprano pipistrelle	1
01-07-17	23:53	Common pipistrelle	1
01-07-17	23:53		4
		Soprano pipistrelle	
01-07-17	23:54	Common pipistrelle	1
02-07-17	00:01	Common pipistrelle	1
02-07-17	00:02	Common pipistrelle	3
02-07-17	00:03	Common pipistrelle	2
02-07-17	00:04	Common pipistrelle	3
02-07-17	00:05	Common pipistrelle	2
02-07-17	00:05	Soprano pipistrelle	1
02-07-17	00:06	Common pipistrelle	2
02-07-17	00:07	Common pipistrelle	4
02-07-17	00:08	Common pipistrelle	2
02-07-17	00:09	Common pipistrelle	5
02-07-17	00:10	Common pipistrelle	2
02-07-17	00:11	Common pipistrelle	3
02-07-17	00:12	Common pipistrelle	4
02-07-17	00:12	Soprano pipistrelle	2
02-07-17	00:13	Common pipistrelle	1
02-07-17	00:15	Common pipistrelle	1
02-07-17	00:18	Common pipistrelle	1
02-07-17	00:19	Soprano pipistrelle	1
02-07-17	00:20	Common pipistrelle	1
02-07-17	00:20	Soprano pipistrelle	4
02-07-17	00:20	Social	1
02-07-17	00:21	Soprano pipistrelle	4
02-07-17	00:22	Soprano pipistrelle	4
02-07-17	00:23	Common pipistrelle	1
02-07-17	00:23	Soprano pipistrelle	4
02-07-17	00:24	Soprano pipistrelle	3
02-07-17	00:25	Common pipistrelle	1
02-07-17	00:25	Soprano pipistrelle	1
02-07-17	00:26	Soprano pipistrelle	1
02-07-17	00:27	Common pipistrelle	2
02-07-17	00:29	Soprano pipistrelle	1
02-07-17	00:30	Soprano pipistrelle	1
02-07-17	00:31	Soprano pipistrelle social call	1
02-07-17	00:31	Soprano pipistrelle	1
02-07-17	00:32	Soprano pipistrelle	4
02-07-17	00:34	Common pipistrelle	1
02-07-17	00:35	Soprano pipistrelle	2
02-07-17	00:36	Soprano pipistrelle	4
02-07-17	00:37	Common pipistrelle	4
02-07-17	00:38	Common pipistrelle	4
02-07-17	00:38	Soprano pipistrelle	2
02-07-17	00:38	Social	1
02-07-17	00:39	Soprano pipistrelle	2
02-07-17	00:40	Soprano pipistrelle	3
02-07-17	00:40	Soprano pipistrelle	3
02-01-11	00.41	Sopialio pipistielle	<u> </u>

02-07-17	00:42	Common pipistrelle	1
02-07-17	00:42	Soprano pipistrelle	2
02-07-17	00:46	Soprano pipistrelle	2
02-07-17	00:47	Soprano pipistrelle	2
02-07-17	00:49	Soprano pipistrelle	2
02-07-17	00:49		1
		Common pipistrelle	5
02-07-17	00:51	Common pipistrelle	
02-07-17	00:51	Soprano pipistrelle	1
02-07-17	00:52	Soprano pipistrelle	3
02-07-17	00:53	Myotis species	1
02-07-17	00:53	Soprano pipistrelle	2
02-07-17	00:54	Soprano pipistrelle	3
02-07-17	00:55	Soprano pipistrelle	4
02-07-17	00:56	Soprano pipistrelle	3
02-07-17	00:57	Common pipistrelle	2
02-07-17	00:57	Soprano pipistrelle	2
02-07-17	00:58	Common pipistrelle	3
02-07-17	00:58	Soprano pipistrelle	3
02-07-17	00:58	Social	1
02-07-17	00:59	Soprano pipistrelle	2
02-07-17	01:00	Soprano pipistrelle	5
02-07-17	01:01	Soprano pipistrelle	2
02-07-17	01:02	Soprano pipistrelle	3
02-07-17	01:03	Common pipistrelle	2
02-07-17	01:04	Soprano pipistrelle	1
02-07-17	01:05	Soprano pipistrelle	3
02-07-17	01:06	Common pipistrelle	1
02-07-17	01:06	Soprano pipistrelle	3
02-07-17	01:07	Common pipistrelle	3
02-07-17	01:08	Common pipistrelle	4
02-07-17	01:08	Soprano pipistrelle	1
02-07-17	01:09	Common pipistrelle social call	1
02-07-17	01:09	Common pipistrelle	3
02-07-17	01:10	Common pipistrelle social call	1
02-07-17	01:10	Common pipistrelle	1
02-07-17	01:10	Soprano pipistrelle	3
02-07-17	01:11	Common pipistrelle social call	1
02-07-17	01:11	Common pipistrelle	1
02-07-17	01:11	Soprano pipistrelle	3
02-07-17	01:11	Social	1
02-07-17	01:12	Soprano pipistrelle	3
02-07-17	01:13	Soprano pipistrelle social call	1
02-07-17	01:13	Common pipistrelle	1
02-07-17	01:13	Soprano pipistrelle	2
02-07-17	01:13	Social	1
02-07-17	01:14	Common pipistrelle	1
02-07-17	01:14	Soprano pipistrelle	3
02-07-17	01:14	Soprano pipistrelle	3
02-07-17	01:15	Common pipistrelle social call	1
			1
02-07-17	01:16	Common pipistrelle	
02-07-17	01:16	Soprano pipistrelle	3

00.07.47	04.47	Common ministralla conial call	14
02-07-17	01:17	Common pipistrelle social call	1
02-07-17	01:17	Soprano pipistrelle	5
02-07-17	01:18	Common pipistrelle social call	1
02-07-17	01:18	Soprano pipistrelle social call	1
02-07-17	01:18	Common pipistrelle	1
02-07-17	01:18	Soprano pipistrelle	1
02-07-17	01:19	Common pipistrelle	1
02-07-17	01:19	Soprano pipistrelle	5
02-07-17	01:19	Social	1
02-07-17	01:20	Soprano pipistrelle	3
02-07-17	01:21	Soprano pipistrelle	4
02-07-17	01:22	Soprano pipistrelle social call	1
02-07-17	01:22	Common pipistrelle	1
02-07-17	01:22	Soprano pipistrelle	1
02-07-17	01:23	Soprano pipistrelle	2
02-07-17	01:24	Common pipistrelle	1
02-07-17	01:24	Soprano pipistrelle	3
02-07-17	01:24	Social	1
02-07-17	01:25	Soprano pipistrelle social call	1
02-07-17	01:25	Common pipistrelle	2
02-07-17	01:25	Soprano pipistrelle	1
02-07-17	01:26	Soprano pipistrelle	4
02-07-17	01:27	Soprano pipistrelle	3
02-07-17	01:28	Common pipistrelle	1
02-07-17	01:28	Soprano pipistrelle	4
02-07-17	01:28	Social	1
02-07-17	01:29	Soprano pipistrelle	1
02-07-17	01:30	Soprano pipistrelle	1
02-07-17	01:31	Common pipistrelle	1
02-07-17	01:32	Common pipistrelle social call	1
02-07-17	01:32	Common pipistrelle	1
02-07-17	01:32	Soprano pipistrelle	2
02-07-17	01:33	Common pipistrelle	1
02-07-17	01:33	Soprano pipistrelle	2
02-07-17	01:34	Common pipistrelle	1
02-07-17	01:34	Soprano pipistrelle	1
02-07-17	01:34	Social	1
02-07-17	01:35	Soprano pipistrelle	2
02-07-17	01:36	Soprano pipistrelle	4
02-07-17	01:37	Soprano pipistrelle	4
02-07-17	01:38	Soprano pipistrelle	3
02-07-17	01:39	Common pipistrelle	3
02-07-17	01:39	Soprano pipistrelle	3
02-07-17	01:39	Social	2
02-07-17	01:40	Common pipistrelle	3
02-07-17	01:41	Common pipistrelle social call	1
02-07-17	01:41	Common pipistrelle	2
			2
02-07-17	01:41	Soprano pipistrelle	
02-07-17	01:42	Common pipistrelle	1
02-07-17	01:42	Soprano pipistrelle	5
02-07-17	01:43	Common pipistrelle social call	1

02-07-17 01:43 Common pipistrelle 1 02-07-17 01:43 Soprano pipistrelle 2 02-07-17 01:44 Common pipistrelle social call 1 02-07-17 01:44 Common pipistrelle 1 02-07-17 01:45 Common pipistrelle 1 02-07-17 01:45 Soprano pipistrelle 1 02-07-17 01:45 Soprano pipistrelle 2 02-07-17 01:45 Social 1 02-07-17 01:46 Common pipistrelle 1 02-07-17 01:46 Soprano pipistrelle 4 02-07-17 01:46 Social 1 02-07-17 01:48 Soprano pipistrelle 3 02-07-17 01:49 Common pipistrelle 3 02-07-17 01:49 Common pipistrelle 2 02-07-17 01:49 Social 1 02-07-17 01:49 Social 1 02-07-17 01:50 Soprano pipistrelle	00.07.47	04.40	0	1 4
02-07-17 01:43 Soprano pipistrelle 2 02-07-17 01:44 Common pipistrelle social call 1 02-07-17 01:44 Common pipistrelle 1 02-07-17 01:45 Common pipistrelle 3 02-07-17 01:45 Common pipistrelle 1 02-07-17 01:45 Soprano pipistrelle 2 02-07-17 01:45 Social 1 02-07-17 01:46 Common pipistrelle 1 02-07-17 01:46 Soprano pipistrelle 4 02-07-17 01:46 Soprano pipistrelle 3 02-07-17 01:47 Soprano pipistrelle 3 02-07-17 01:48 Soprano pipistrelle 3 02-07-17 01:49 Soprano pipistrelle 2 02-07-17 01:49 Soprano pipistrelle 3 02-07-17 01:49 Soprano pipistrelle 3 02-07-17 01:50 Soprano pipistrelle 3 02-07-17 01:50	02-07-17	01:43	Soprano pipistrelle social call	1
02-07-17 01:44 Common pipistrelle social call 1 02-07-17 01:44 Common pipistrelle 1 02-07-17 01:44 Soprano pipistrelle 3 02-07-17 01:45 Common pipistrelle 1 02-07-17 01:45 Soprano pipistrelle 2 02-07-17 01:45 Social 1 02-07-17 01:46 Common pipistrelle 1 02-07-17 01:46 Soprano pipistrelle 4 02-07-17 01:46 Social 1 02-07-17 01:47 Soprano pipistrelle 3 02-07-17 01:48 Soprano pipistrelle 3 02-07-17 01:49 Common pipistrelle 2 02-07-17 01:49 Soprano pipistrelle 3 02-07-17 01:49 Social 1 02-07-17 01:49 Social 1 02-07-17 01:50 Soprano pipistrelle 3 02-07-17 01:50 Soprano pipistrelle <t< td=""><td></td><td></td><td></td><td>-</td></t<>				-
02-07-17 01:44 Common pipistrelle 1 02-07-17 01:45 Common pipistrelle 3 02-07-17 01:45 Common pipistrelle 1 02-07-17 01:45 Soprano pipistrelle 2 02-07-17 01:45 Social 1 02-07-17 01:46 Common pipistrelle 1 02-07-17 01:46 Soprano pipistrelle 4 02-07-17 01:46 Soprano pipistrelle 3 02-07-17 01:46 Soprano pipistrelle 3 02-07-17 01:48 Soprano pipistrelle 3 02-07-17 01:48 Soprano pipistrelle 2 02-07-17 01:49 Common pipistrelle 2 02-07-17 01:49 Soprano pipistrelle 3 02-07-17 01:49 Soprano pipistrelle 3 02-07-17 01:59 Soprano pipistrelle 3 02-07-17 01:51 Soprano pipistrelle 3 02-07-17 01:52 Soprano				
02-07-17 01:44 Soprano pipistrelle 3 02-07-17 01:45 Common pipistrelle 1 02-07-17 01:45 Soprano pipistrelle 2 02-07-17 01:45 Social 1 02-07-17 01:46 Common pipistrelle 1 02-07-17 01:46 Soprano pipistrelle 4 02-07-17 01:46 Social 1 02-07-17 01:46 Social 1 02-07-17 01:47 Soprano pipistrelle 3 02-07-17 01:48 Soprano pipistrelle 3 02-07-17 01:49 Soprano pipistrelle 3 02-07-17 01:49 Soprano pipistrelle 3 02-07-17 01:50 Soprano pipistrelle 3 02-07-17 01:51 Soprano pipistrelle 3 02-07-17 01:52 Soprano pipistrelle 3 02-07-17 01:53 Soprano pipistrelle 3 02-07-17 01:54 Soprano pipistrelle				· ·
02-07-17 01:45 Common pipistrelle 1 02-07-17 01:45 Soprano pipistrelle 2 02-07-17 01:45 Social 1 02-07-17 01:46 Common pipistrelle 1 02-07-17 01:46 Soprano pipistrelle 4 02-07-17 01:46 Social 1 02-07-17 01:47 Soprano pipistrelle 3 02-07-17 01:48 Soprano pipistrelle 3 02-07-17 01:49 Common pipistrelle 2 02-07-17 01:49 Soprano pipistrelle 3 02-07-17 01:49 Soprano pipistrelle 3 02-07-17 01:49 Soprano pipistrelle 3 02-07-17 01:50 Soprano pipistrelle 3 02-07-17 01:51 Soprano pipistrelle 3 02-07-17 01:52 Soprano pipistrelle 3 02-07-17 01:53 Soprano pipistrelle 3 02-07-17 01:54 Soprano pipistrelle				
02-07-17 01:45 Soprano pipistrelle 2 02-07-17 01:45 Social 1 02-07-17 01:46 Common pipistrelle 1 02-07-17 01:46 Soprano pipistrelle 4 02-07-17 01:46 Social 1 02-07-17 01:47 Soprano pipistrelle 3 02-07-17 01:48 Soprano pipistrelle 3 02-07-17 01:49 Common pipistrelle 2 02-07-17 01:49 Soprano pipistrelle 3 02-07-17 01:49 Soprano pipistrelle 3 02-07-17 01:50 Soprano pipistrelle 3 02-07-17 01:51 Soprano pipistrelle 3 02-07-17 01:52 Soprano pipistrelle 3 02-07-17 01:53 Soprano pipistrelle 3 02-07-17 01:54 Soprano pipistrelle 3 02-07-17 01:55 Soprano pipistrelle 1 02-07-17 01:56 Common pipistrelle				
02-07-17 01:45 Social 1 02-07-17 01:46 Common pipistrelle 1 02-07-17 01:46 Soprano pipistrelle 4 02-07-17 01:46 Social 1 02-07-17 01:48 Soprano pipistrelle 3 02-07-17 01:48 Soprano pipistrelle 2 02-07-17 01:49 Common pipistrelle 2 02-07-17 01:49 Soprano pipistrelle 3 02-07-17 01:49 Soprano pipistrelle 3 02-07-17 01:49 Soprano pipistrelle 3 02-07-17 01:50 Soprano pipistrelle 3 02-07-17 01:51 Soprano pipistrelle 3 02-07-17 01:53 Soprano pipistrelle 3 02-07-17 01:54 Soprano pipistrelle 3 02-07-17 01:55 Soprano pipistrelle 4 02-07-17 01:56 Common pipistrelle 1 02-07-17 01:56 Soprano pipistrelle				
02-07-17 01:46 Common pipistrelle 1 02-07-17 01:46 Soprano pipistrelle 4 02-07-17 01:46 Social 1 02-07-17 01:47 Soprano pipistrelle 3 02-07-17 01:48 Soprano pipistrelle 3 02-07-17 01:49 Common pipistrelle 2 02-07-17 01:49 Soprano pipistrelle 3 02-07-17 01:49 Soprano pipistrelle 3 02-07-17 01:49 Soprano pipistrelle 3 02-07-17 01:50 Soprano pipistrelle 3 02-07-17 01:50 Soprano pipistrelle 3 02-07-17 01:51 Soprano pipistrelle 3 02-07-17 01:53 Soprano pipistrelle 3 02-07-17 01:54 Soprano pipistrelle 4 02-07-17 01:55 Soprano pipistrelle 1 02-07-17 01:56 Soprano pipistrelle 1 02-07-17 01:57 Commo				
02-07-17 01:46 Soprano pipistrelle 4 02-07-17 01:46 Social 1 02-07-17 01:47 Soprano pipistrelle 3 02-07-17 01:48 Soprano pipistrelle 3 02-07-17 01:49 Common pipistrelle 2 02-07-17 01:49 Social 1 02-07-17 01:50 Soprano pipistrelle 3 02-07-17 01:51 Soprano pipistrelle 3 02-07-17 01:52 Soprano pipistrelle 3 02-07-17 01:53 Soprano pipistrelle 3 02-07-17 01:53 Soprano pipistrelle 3 02-07-17 01:54 Soprano pipistrelle 4 02-07-17 01:55 Soprano pipistrelle 3 02-07-17 01:56 Common pipistrelle 1 02-07-17 01:56 Soprano pipistrelle 1 02-07-17 01:57 Common pipistrelle 1 02-07-17 01:58 Soprano pipistrelle				
02-07-17 01:46 Social 1 02-07-17 01:47 Soprano pipistrelle 3 02-07-17 01:48 Soprano pipistrelle 3 02-07-17 01:49 Common pipistrelle 2 02-07-17 01:49 Soprano pipistrelle 3 02-07-17 01:50 Soprano pipistrelle 3 02-07-17 01:51 Soprano pipistrelle 3 02-07-17 01:52 Soprano pipistrelle 3 02-07-17 01:52 Soprano pipistrelle 3 02-07-17 01:53 Soprano pipistrelle 3 02-07-17 01:54 Soprano pipistrelle 4 02-07-17 01:55 Soprano pipistrelle 3 02-07-17 01:56 Common pipistrelle 1 02-07-17 01:56 Soprano pipistrelle 5 02-07-17 01:57 Common pipistrelle 1 02-07-17 01:58 Soprano pipistrelle 1 02-07-17 01:58 Sopran				1
02-07-17 01:47 Soprano pipistrelle 3 02-07-17 01:48 Soprano pipistrelle 3 02-07-17 01:49 Common pipistrelle 2 02-07-17 01:49 Soprano pipistrelle 3 02-07-17 01:49 Social 1 02-07-17 01:50 Soprano pipistrelle 3 02-07-17 01:51 Soprano pipistrelle 3 02-07-17 01:52 Soprano pipistrelle 3 02-07-17 01:53 Soprano pipistrelle 3 02-07-17 01:54 Soprano pipistrelle 3 02-07-17 01:55 Soprano pipistrelle 4 02-07-17 01:56 Common pipistrelle 1 02-07-17 01:56 Soprano pipistrelle 1 02-07-17 01:57 Common pipistrelle 1 02-07-17 01:58 Soprano pipistrelle 1 02-07-17 01:59 Soprano pipistrelle 1 02-07-17 01:59 Sopran				
02-07-17 01:48 Soprano pipistrelle 3 02-07-17 01:49 Common pipistrelle 2 02-07-17 01:49 Soprano pipistrelle 3 02-07-17 01:49 Social 1 02-07-17 01:50 Soprano pipistrelle 3 02-07-17 01:51 Soprano pipistrelle 3 02-07-17 01:52 Soprano pipistrelle 3 02-07-17 01:53 Soprano pipistrelle 3 02-07-17 01:54 Soprano pipistrelle 3 02-07-17 01:55 Soprano pipistrelle 4 02-07-17 01:56 Common pipistrelle 1 02-07-17 01:56 Soprano pipistrelle 1 02-07-17 01:57 Common pipistrelle 1 02-07-17 01:58 Soprano pipistrelle 1 02-07-17 01:59 Soprano pipistrelle 1 02-07-17 02:02 Common pipistrelle 1 02-07-17 02:03 Common				
02-07-17 01:49 Common pipistrelle 2 02-07-17 01:49 Soprano pipistrelle 3 02-07-17 01:49 Social 1 02-07-17 01:50 Soprano pipistrelle 3 02-07-17 01:51 Soprano pipistrelle 3 02-07-17 01:52 Soprano pipistrelle 3 02-07-17 01:53 Soprano pipistrelle 3 02-07-17 01:54 Soprano pipistrelle 4 02-07-17 01:55 Soprano pipistrelle 3 02-07-17 01:56 Common pipistrelle 1 02-07-17 01:56 Soprano pipistrelle 5 02-07-17 01:57 Common pipistrelle 1 02-07-17 01:58 Soprano pipistrelle 1 02-07-17 01:58 Soprano pipistrelle 1 02-07-17 01:59 Soprano pipistrelle 1 02-07-17 02:05 Soprano pipistrelle 1 02-07-17 02:04 Common	02-07-17	01:47	Soprano pipistrelle	
02-07-17 01:49 Soprano pipistrelle 3 02-07-17 01:49 Social 1 02-07-17 01:50 Soprano pipistrelle 3 02-07-17 01:51 Soprano pipistrelle 3 02-07-17 01:52 Soprano pipistrelle 3 02-07-17 01:53 Soprano pipistrelle 3 02-07-17 01:54 Soprano pipistrelle 4 02-07-17 01:55 Soprano pipistrelle 3 02-07-17 01:56 Common pipistrelle 1 02-07-17 01:56 Soprano pipistrelle 5 02-07-17 01:57 Common pipistrelle 1 02-07-17 01:58 Soprano pipistrelle 1 02-07-17 01:58 Soprano pipistrelle 1 02-07-17 01:59 Soprano pipistrelle 1 02-07-17 02:02 Common pipistrelle 1 02-07-17 02:03 Common pipistrelle 3 02-07-17 02:04 Soprano	02-07-17	01:48		
02-07-17 01:49 Social 1 02-07-17 01:50 Soprano pipistrelle 3 02-07-17 01:51 Soprano pipistrelle 3 02-07-17 01:52 Soprano pipistrelle 3 02-07-17 01:53 Soprano pipistrelle 3 02-07-17 01:54 Soprano pipistrelle 4 02-07-17 01:55 Soprano pipistrelle 3 02-07-17 01:56 Common pipistrelle 1 02-07-17 01:56 Soprano pipistrelle 5 02-07-17 01:57 Common pipistrelle 1 02-07-17 01:58 Soprano pipistrelle 4 02-07-17 01:58 Soprano pipistrelle 1 02-07-17 01:59 Soprano pipistrelle 1 02-07-17 02:02 Common pipistrelle 1 02-07-17 02:03 Common pipistrelle 3 02-07-17 02:04 Common pipistrelle social call 1 02-07-17 02:04	02-07-17	01:49	Common pipistrelle	2
02-07-17 01:50 Soprano pipistrelle 3 02-07-17 01:51 Soprano pipistrelle 3 02-07-17 01:52 Soprano pipistrelle 3 02-07-17 01:53 Soprano pipistrelle 3 02-07-17 01:54 Soprano pipistrelle 4 02-07-17 01:55 Soprano pipistrelle 3 02-07-17 01:56 Common pipistrelle 1 02-07-17 01:56 Soprano pipistrelle 5 02-07-17 01:57 Common pipistrelle 1 02-07-17 01:57 Soprano pipistrelle 4 02-07-17 01:58 Soprano pipistrelle 1 02-07-17 01:59 Soprano pipistrelle 1 02-07-17 02:02 Common pipistrelle 1 02-07-17 02:03 Common pipistrelle 3 02-07-17 02:04 Common pipistrelle social call 1 02-07-17 02:04 Common pipistrelle social call 1 02-07-17	02-07-17	01:49	Soprano pipistrelle	3
02-07-17 01:51 Soprano pipistrelle 3 02-07-17 01:52 Soprano pipistrelle 3 02-07-17 01:53 Soprano pipistrelle 3 02-07-17 01:54 Soprano pipistrelle 4 02-07-17 01:55 Soprano pipistrelle 3 02-07-17 01:56 Common pipistrelle 1 02-07-17 01:56 Soprano pipistrelle 5 02-07-17 01:57 Common pipistrelle 1 02-07-17 01:57 Soprano pipistrelle 4 02-07-17 01:58 Soprano pipistrelle 1 02-07-17 01:59 Soprano pipistrelle 1 02-07-17 01:59 Soprano pipistrelle 1 02-07-17 02:02 Common pipistrelle 1 02-07-17 02:03 Common pipistrelle 3 02-07-17 02:04 Common pipistrelle social call 1 02-07-17 02:04 Common pipistrelle social call 1 02-07-17	02-07-17	01:49	Social	1
02-07-17 01:52 Soprano pipistrelle 3 02-07-17 01:53 Soprano pipistrelle 3 02-07-17 01:54 Soprano pipistrelle 4 02-07-17 01:55 Soprano pipistrelle 3 02-07-17 01:56 Common pipistrelle 1 02-07-17 01:56 Soprano pipistrelle 5 02-07-17 01:57 Common pipistrelle 1 02-07-17 01:57 Soprano pipistrelle 4 02-07-17 01:58 Soprano pipistrelle 4 02-07-17 01:59 Soprano pipistrelle 1 02-07-17 01:59 Soprano pipistrelle 1 02-07-17 02:02 Common pipistrelle 1 02-07-17 02:03 Common pipistrelle 3 02-07-17 02:04 Common pipistrelle social call 1 02-07-17 02:04 Soprano pipistrelle 1 02-07-17 02:05 Common pipistrelle 3 02-07-17 02:05 </td <td>02-07-17</td> <td>01:50</td> <td>Soprano pipistrelle</td> <td>3</td>	02-07-17	01:50	Soprano pipistrelle	3
02-07-17 01:53 Soprano pipistrelle 3 02-07-17 01:54 Soprano pipistrelle 4 02-07-17 01:55 Soprano pipistrelle 3 02-07-17 01:56 Common pipistrelle 1 02-07-17 01:56 Soprano pipistrelle 5 02-07-17 01:57 Common pipistrelle 1 02-07-17 01:58 Soprano pipistrelle 4 02-07-17 01:58 Soprano pipistrelle 1 02-07-17 01:59 Soprano pipistrelle 1 02-07-17 02:02 Common pipistrelle 1 02-07-17 02:03 Common pipistrelle 3 02-07-17 02:03 Common pipistrelle social call 1 02-07-17 02:04 Common pipistrelle social call 2 02-07-17 02:04 Common pipistrelle social call 1 02-07-17 02:05 Common pipistrelle 3 02-07-17 02:05 Soprano pipistrelle 3 02-07-17 <td>02-07-17</td> <td>01:51</td> <td>Soprano pipistrelle</td> <td>3</td>	02-07-17	01:51	Soprano pipistrelle	3
02-07-17 01:54 Soprano pipistrelle 4 02-07-17 01:55 Soprano pipistrelle 3 02-07-17 01:56 Common pipistrelle 1 02-07-17 01:56 Soprano pipistrelle 5 02-07-17 01:57 Common pipistrelle 1 02-07-17 01:57 Soprano pipistrelle 4 02-07-17 01:58 Soprano pipistrelle 1 02-07-17 01:59 Soprano pipistrelle 1 02-07-17 02:02 Common pipistrelle 1 02-07-17 02:03 Common pipistrelle 3 02-07-17 02:04 Common pipistrelle social call 1 02-07-17 02:04 Soprano pipistrelle social call 2 02-07-17 02:04 Common pipistrelle social call 1 02-07-17 02:05 Common pipistrelle social call 1 02-07-17 02:05 Soprano pipistrelle 3 02-07-17 02:05 Soprano pipistrelle 4 <t< td=""><td>02-07-17</td><td>01:52</td><td>Soprano pipistrelle</td><td>3</td></t<>	02-07-17	01:52	Soprano pipistrelle	3
02-07-17 01:55 Soprano pipistrelle 3 02-07-17 01:56 Common pipistrelle 1 02-07-17 01:56 Soprano pipistrelle 5 02-07-17 01:57 Common pipistrelle 1 02-07-17 01:57 Soprano pipistrelle 4 02-07-17 01:58 Soprano pipistrelle 1 02-07-17 01:59 Soprano pipistrelle 1 02-07-17 02:02 Common pipistrelle 1 02-07-17 02:03 Common pipistrelle 3 02-07-17 02:04 Common pipistrelle social call 1 02-07-17 02:04 Soprano pipistrelle social call 2 02-07-17 02:04 Common pipistrelle social call 1 02-07-17 02:05 Common pipistrelle 3 02-07-17 02:05 Soprano pipistrelle 3 02-07-17 02:05 Soprano pipistrelle 4 02-07-17 02:06 Soprano pipistrelle 2 02-07-17 </td <td>02-07-17</td> <td>01:53</td> <td>Soprano pipistrelle</td> <td>3</td>	02-07-17	01:53	Soprano pipistrelle	3
02-07-17 01:55 Soprano pipistrelle 3 02-07-17 01:56 Common pipistrelle 1 02-07-17 01:56 Soprano pipistrelle 5 02-07-17 01:57 Common pipistrelle 1 02-07-17 01:57 Soprano pipistrelle 4 02-07-17 01:58 Soprano pipistrelle 1 02-07-17 01:59 Soprano pipistrelle 1 02-07-17 02:02 Common pipistrelle 1 02-07-17 02:03 Common pipistrelle 3 02-07-17 02:04 Common pipistrelle social call 1 02-07-17 02:04 Soprano pipistrelle social call 2 02-07-17 02:04 Common pipistrelle social call 1 02-07-17 02:05 Common pipistrelle 3 02-07-17 02:05 Soprano pipistrelle 3 02-07-17 02:05 Soprano pipistrelle 4 02-07-17 02:06 Soprano pipistrelle 2 02-07-17 </td <td>02-07-17</td> <td>01:54</td> <td></td> <td>4</td>	02-07-17	01:54		4
02-07-17 01:56 Common pipistrelle 1 02-07-17 01:56 Soprano pipistrelle 5 02-07-17 01:57 Common pipistrelle 1 02-07-17 01:58 Soprano pipistrelle 4 02-07-17 01:58 Soprano pipistrelle 1 02-07-17 01:59 Soprano pipistrelle 1 02-07-17 02:02 Common pipistrelle 1 02-07-17 02:03 Common pipistrelle 3 02-07-17 02:04 Common pipistrelle social call 1 02-07-17 02:04 Common pipistrelle social call 2 02-07-17 02:04 Common pipistrelle 1 02-07-17 02:05 Common pipistrelle 3 02-07-17 02:05 Soprano pipistrelle 3 02-07-17 02:06 Soprano pipistrelle 4 02-07-17 02:07 Soprano pipistrelle 2 02-07-17 02:12 Common pipistrelle 3 02-07-17 <t< td=""><td>02-07-17</td><td>01:55</td><td></td><td>3</td></t<>	02-07-17	01:55		3
02-07-17 01:56 Soprano pipistrelle 5 02-07-17 01:57 Common pipistrelle 1 02-07-17 01:57 Soprano pipistrelle 4 02-07-17 01:58 Soprano pipistrelle 1 02-07-17 01:59 Soprano pipistrelle 1 02-07-17 02:02 Common pipistrelle 1 02-07-17 02:03 Common pipistrelle 3 02-07-17 02:04 Common pipistrelle social call 1 02-07-17 02:04 Soprano pipistrelle social call 2 02-07-17 02:04 Common pipistrelle social call 1 02-07-17 02:05 Common pipistrelle social call 1 02-07-17 02:05 Soprano pipistrelle 3 02-07-17 02:05 Soprano pipistrelle 4 02-07-17 02:06 Soprano pipistrelle 2 02-07-17 02:12 Common pipistrelle 3 02-07-17 02:12 Soprano pipistrelle 2				
02-07-17 01:57 Common pipistrelle 1 02-07-17 01:57 Soprano pipistrelle 4 02-07-17 01:58 Soprano pipistrelle 1 02-07-17 01:59 Soprano pipistrelle 1 02-07-17 02:02 Common pipistrelle 1 02-07-17 02:03 Common pipistrelle 3 02-07-17 02:04 Common pipistrelle social call 1 02-07-17 02:04 Soprano pipistrelle social call 2 02-07-17 02:04 Common pipistrelle 1 02-07-17 02:04 Common pipistrelle 1 02-07-17 02:05 Common pipistrelle social call 1 02-07-17 02:05 Soprano pipistrelle 3 02-07-17 02:05 Soprano pipistrelle 4 02-07-17 02:06 Soprano pipistrelle 2 02-07-17 02:01 Common pipistrelle 3 02-07-17 02:12 Common pipistrelle 3 02-07-17 <td></td> <td></td> <td></td> <td></td>				
02-07-17 01:57 Soprano pipistrelle 4 02-07-17 01:58 Soprano pipistrelle 1 02-07-17 01:59 Soprano pipistrelle 1 02-07-17 02:02 Common pipistrelle 1 02-07-17 02:03 Common pipistrelle 3 02-07-17 02:04 Common pipistrelle social call 1 02-07-17 02:04 Soprano pipistrelle social call 2 02-07-17 02:04 Common pipistrelle 1 02-07-17 02:05 Common pipistrelle social call 1 02-07-17 02:05 Soprano pipistrelle 3 02-07-17 02:06 Soprano pipistrelle 4 02-07-17 02:07 Soprano pipistrelle 2 02-07-17 02:12 Common pipistrelle 3 02-07-17 02:12 Soprano pipistrelle 2				
02-07-17 01:58 Soprano pipistrelle 1 02-07-17 01:59 Soprano pipistrelle 1 02-07-17 02:02 Common pipistrelle 1 02-07-17 02:03 Common pipistrelle 3 02-07-17 02:04 Common pipistrelle social call 1 02-07-17 02:04 Soprano pipistrelle social call 2 02-07-17 02:04 Common pipistrelle 1 02-07-17 02:05 Common pipistrelle social call 1 02-07-17 02:05 Soprano pipistrelle 3 02-07-17 02:06 Soprano pipistrelle 4 02-07-17 02:07 Soprano pipistrelle 2 02-07-17 02:12 Common pipistrelle 3 02-07-17 02:12 Soprano pipistrelle 2				
02-07-17 01:59 Soprano pipistrelle 1 02-07-17 02:02 Common pipistrelle 1 02-07-17 02:03 Common pipistrelle 3 02-07-17 02:04 Common pipistrelle social call 1 02-07-17 02:04 Soprano pipistrelle social call 2 02-07-17 02:04 Common pipistrelle 1 02-07-17 02:05 Common pipistrelle social call 1 02-07-17 02:05 Soprano pipistrelle 3 02-07-17 02:06 Soprano pipistrelle 4 02-07-17 02:07 Soprano pipistrelle 2 02-07-17 02:12 Common pipistrelle 3 02-07-17 02:12 Soprano pipistrelle 3 02-07-17 02:12 Soprano pipistrelle 2				
02-07-17 02:02 Common pipistrelle 1 02-07-17 02:03 Common pipistrelle 3 02-07-17 02:04 Common pipistrelle social call 1 02-07-17 02:04 Soprano pipistrelle social call 2 02-07-17 02:04 Common pipistrelle 1 02-07-17 02:05 Common pipistrelle social call 1 02-07-17 02:05 Soprano pipistrelle 3 02-07-17 02:06 Soprano pipistrelle 4 02-07-17 02:07 Soprano pipistrelle 2 02-07-17 02:12 Common pipistrelle 3 02-07-17 02:12 Soprano pipistrelle 2				
02-07-17 02:03 Common pipistrelle 3 02-07-17 02:04 Common pipistrelle social call 1 02-07-17 02:04 Soprano pipistrelle social call 2 02-07-17 02:04 Common pipistrelle 1 02-07-17 02:05 Common pipistrelle social call 1 02-07-17 02:05 Soprano pipistrelle 3 02-07-17 02:06 Soprano pipistrelle 4 02-07-17 02:07 Soprano pipistrelle 2 02-07-17 02:12 Common pipistrelle 3 02-07-17 02:12 Soprano pipistrelle 2				
02-07-17 02:04 Common pipistrelle social call 1 02-07-17 02:04 Soprano pipistrelle social call 2 02-07-17 02:04 Common pipistrelle 1 02-07-17 02:05 Common pipistrelle social call 1 02-07-17 02:05 Soprano pipistrelle 3 02-07-17 02:06 Soprano pipistrelle 4 02-07-17 02:07 Soprano pipistrelle 2 02-07-17 02:12 Common pipistrelle 3 02-07-17 02:12 Soprano pipistrelle 2			• •	
02-07-17 02:04 Soprano pipistrelle social call 2 02-07-17 02:04 Common pipistrelle 1 02-07-17 02:05 Common pipistrelle social call 1 02-07-17 02:05 Soprano pipistrelle 3 02-07-17 02:06 Soprano pipistrelle 4 02-07-17 02:07 Soprano pipistrelle 2 02-07-17 02:12 Common pipistrelle 3 02-07-17 02:12 Soprano pipistrelle 2				
02-07-17 02:04 Common pipistrelle 1 02-07-17 02:05 Common pipistrelle social call 1 02-07-17 02:05 Soprano pipistrelle 3 02-07-17 02:06 Soprano pipistrelle 4 02-07-17 02:07 Soprano pipistrelle 2 02-07-17 02:12 Common pipistrelle 3 02-07-17 02:12 Soprano pipistrelle 2			' '	
02-07-17 02:05 Common pipistrelle social call 1 02-07-17 02:05 Soprano pipistrelle 3 02-07-17 02:06 Soprano pipistrelle 4 02-07-17 02:07 Soprano pipistrelle 2 02-07-17 02:12 Common pipistrelle 3 02-07-17 02:12 Soprano pipistrelle 2				
02-07-17 02:05 Soprano pipistrelle 3 02-07-17 02:06 Soprano pipistrelle 4 02-07-17 02:07 Soprano pipistrelle 2 02-07-17 02:12 Common pipistrelle 3 02-07-17 02:12 Soprano pipistrelle 2				
02-07-17 02:06 Soprano pipistrelle 4 02-07-17 02:07 Soprano pipistrelle 2 02-07-17 02:12 Common pipistrelle 3 02-07-17 02:12 Soprano pipistrelle 2				
02-07-17 02:07 Soprano pipistrelle 2 02-07-17 02:12 Common pipistrelle 3 02-07-17 02:12 Soprano pipistrelle 2				
02-07-17 02:12 Common pipistrelle 3 02-07-17 02:12 Soprano pipistrelle 2				
02-07-17 02:12 Soprano pipistrelle 2				
02-07-17			' '	
02-07-17 02:13 Soprano pipistrelle 1				
02-07-17 02:14 Common pipistrelle 3				
02-07-17			• •	
02-07-17				
02-07-17 02:17 Common pipistrelle 3			• •	
02-07-17 02:18 Common pipistrelle 4				
02-07-17 02:19 Common pipistrelle 4			• •	
02-07-17 02:20 Common pipistrelle 3				
02-07-17 02:21 Common pipistrelle 5				
02-07-17 02:22 Common pipistrelle 3	02-07-17	02:22	Common pipistrelle	3

02-07-17	02:23	Common pipistrelle	4
02-07-17	02:24	Common pipistrelle	2
02-07-17	02:24	Soprano pipistrelle	1
02-07-17	02:25	Common pipistrelle	2
02-07-17	02:25	Soprano pipistrelle	5
02-07-17	02:25	Social	2
02-07-17	02:26	Common pipistrelle	1
02-07-17	02:26	Soprano pipistrelle	3
02-07-17			4
	02:27	Soprano pipistrelle	
02-07-17	02:28	Soprano pipistrelle	3
02-07-17	02:29	Soprano pipistrelle	3
02-07-17	02:30	Soprano pipistrelle	
02-07-17	02:31	Soprano pipistrelle	3
02-07-17	02:32	Soprano pipistrelle	4
02-07-17	02:33	Soprano pipistrelle	2
02-07-17	02:34	Soprano pipistrelle	1
02-07-17	02:35	Soprano pipistrelle	1
02-07-17	02:36	Common pipistrelle social call	1
02-07-17	02:36	Common pipistrelle	1
02-07-17	02:36	Soprano pipistrelle	3
02-07-17	02:37	Soprano pipistrelle	4
02-07-17	02:38	Soprano pipistrelle	4
02-07-17	02:39	Soprano pipistrelle	3
02-07-17	02:40	Soprano pipistrelle	3
02-07-17	02:41	Common pipistrelle	1
02-07-17	02:41	Soprano pipistrelle	4
02-07-17	02:41	Social	1
02-07-17	02:42	Common pipistrelle social call	1
02-07-17	02:42	Soprano pipistrelle	3
02-07-17	02:43	Soprano pipistrelle	3
02-07-17	02:44	Soprano pipistrelle	2
02-07-17	02:45	Common pipistrelle	2
02-07-17	02:45	Soprano pipistrelle	4
02-07-17	02:45	Social	2
02-07-17	02:46	Common pipistrelle social call	1
02-07-17	02:46	Common pipistrelle	2
02-07-17	02:46	Soprano pipistrelle	3
02-07-17	02:46	Social	1
02-07-17	02:47	Common pipistrelle	1
02-07-17	02:47	Soprano pipistrelle	3
02-07-17	02:48	Soprano pipistrelle	4
02-07-17	02:49	Soprano pipistrelle social call	1
02-07-17	02:49	Soprano pipistrelle	2
02-07-17	02:50	Soprano pipistrelle	4
02-07-17	02:51	Common pipistrelle	4
02-07-17	02:52	Common pipistrelle	3
02-07-17	02:53	Common pipistrelle social call	2
02-07-17	02:53	Common pipistrelle	1
02-07-17	02:53	Soprano pipistrelle	2
02-07-17	02:54	Soprano pipistrelle	3
02-07-17	02:55	Soprano pipistrelle	3
02 01-11	02.00	Copiano pipistiene	<u> </u>

02-07-17	02:56	Soprano pinistrollo social call	1
02-07-17	02:56	Soprano pipistrelle social call	1
02-07-17		Common pipistrelle	3
	02:56	Soprano pipistrelle	
02-07-17	02:57	Soprano pipistrelle social call	1
02-07-17	02:57	Common pipistrelle	1
02-07-17	02:57	Soprano pipistrelle	5
02-07-17	02:58	Common pipistrelle social call	1
02-07-17	02:58	Common pipistrelle	1
02-07-17	02:58	Soprano pipistrelle	2
02-07-17	02:59	Soprano pipistrelle	4
02-07-17	03:00	Soprano pipistrelle	4
02-07-17	03:01	Soprano pipistrelle	3
02-07-17	03:02	Soprano pipistrelle	4
02-07-17	03:03	Common pipistrelle	1
02-07-17	03:03	Soprano pipistrelle	4
02-07-17	03:04	Soprano pipistrelle	4
02-07-17	03:05	Soprano pipistrelle	6
02-07-17	03:06	Common pipistrelle	2
02-07-17	03:06	Soprano pipistrelle	3
02-07-17	03:07	Common pipistrelle	2
02-07-17	03:07	Soprano pipistrelle	5
02-07-17	03:08	Soprano pipistrelle	3
02-07-17	03:09	Soprano pipistrelle	3
02-07-17	03:10	Common pipistrelle social call	1
02-07-17	03:10	Soprano pipistrelle	1
02-07-17	03:11	Soprano pipistrelle	3
02-07-17	03:13	Soprano pipistrelle	2
02-07-17	03:14	Soprano pipistrelle	5
02-07-17	03:15	Soprano pipistrelle	3
02-07-17	03:16	Soprano pipistrelle	3
02-07-17	03:19	Common pipistrelle	1
02-07-17	03:19	Soprano pipistrelle	1
02-07-17	03:24	Soprano pipistrelle	1
02-07-17	03:25	Soprano pipistrelle	1
02-07-17	03:27	Soprano pipistrelle	1
02-07-17	03:29	Common pipistrelle	4
02-07-17	03:30	Common pipistrelle	4
02-07-17	03:34	Common pipistrelle	1
02-07-17	03:46	Soprano pipistrelle	1
02-07-17	03:57	Common pipistrelle	1
02-07-17	04:02	Soprano pipistrelle	1
02-07-17	04:06	Soprano pipistrelle	1
02-07-17	04:29	Soprano pipistrelle	1
			· ·
02-07-17	04:35	Soprano pipistrelle	1

Static Detector Recordings at the Lamppost on Marshall Road on the 2nd August – 6th August 2017

Date	Time	Species	Number	of data files
Evening 1				
02-08-17	21:18	Soprano pipistrelle		1
02-08-17	21:19	Noctule		1

02-08-17	21:28	Noctule	1
02-08-17	21:39	Noctule	1
02-08-17	21:44	Common pipistrelle	1
02-08-17	22:15	Common pipistrelle	1
02-08-17	22:16	Common pipistrelle	2
02-08-17	22:17	' '	1
		Daubentons Seprence pinietralle	1
02-08-17	22:32	Soprano pipistrelle	
02-08-17	22:39	Common pipistrelle	1
02-08-17	22:47	Soprano pipistrelle	2
02-08-17	22:48	Soprano pipistrelle	3
02-08-17	22:49	Soprano pipistrelle	2
02-08-17	23:01	Common pipistrelle	3
02-08-17	23:11	Soprano pipistrelle	1
02-08-17	23:16	Soprano pipistrelle	1
02-08-17	23:20	Common pipistrelle	1
02-08-17	23:31	Soprano pipistrelle	1
02-08-17	23:39	Common pipistrelle social call	1
02-08-17	23:42	Common pipistrelle	1
02-08-17	23:42	Soprano pipistrelle	2
02-08-17	23:54	Common pipistrelle	1
02-08-17	23:54	Social	1
02-08-17	23:57	Soprano pipistrelle	1
02-08-17	23:58	Soprano pipistrelle	3
02-08-17	23:59	Soprano pipistrelle	5
03-08-17	00:04	Common pipistrelle	1
03-08-17	00:22	Soprano pipistrelle	1
03-08-17	00:24	Soprano pipistrelle social call	1
03-08-17	00:28	Common pipistrelle	1
03-08-17	00:43	Common pipistrelle	2
03-08-17	00:45	Common pipistrelle	3
03-08-17	00:45	Soprano pipistrelle	1
03-08-17	00:46	Soprano pipistrelle	3
03-08-17	00:47	Soprano pipistrelle	4
03-08-17	00:48	Common pipistrelle	1
03-08-17	00:48	Soprano pipistrelle	3
03-08-17	00:49	Soprano pipistrelle	3
03-08-17	01:13	Common pipistrelle	5
03-08-17	01:14	Common pipistrelle	2
03-08-17	01:18	Common pipistrelle	1
03-08-17	01:19	Common pipistrelle	3
03-08-17	01:19	Soprano pipistrelle	1
03-08-17	01:24	Common pipistrelle	2
03-08-17	01:24	Soprano pipistrelle	4
03-08-17	01:25	Common pipistrelle	1
03-08-17	01:25	Soprano pipistrelle	5
03-08-17	01:38	Common pipistrelle	1
03-08-17	01:47	Soprano pipistrelle	1
03-08-17	01:53	Soprano pipistrelle	1
03-08-17	01:54	Soprano pipistrelle	1
03-08-17	01:55	Common pipistrelle	2
03-08-17			5
03-06-17	01:56	Common pipistrelle	Ü

03-08-17	01:57	Common pinietrolle	1
03-08-17	01:59	Common pipistrelle Common pipistrelle	3
03-08-17	02:03	Soprano pipistrelle	1
03-08-17	02:16	Soprano pipistrelle	2
03-08-17	02:17	Soprano pipistrelle	2
03-08-17	02:20	Common pipistrelle	2
03-08-17	02:21	Common pipistrelle	3
03-08-17	02:22	Common pipistrelle	4
03-08-17	02:23	Common pipistrelle	4
03-08-17	02:24	Common pipistrelle	4
03-08-17	02:25	Common pipistrelle	4
03-08-17	02:26	Common pipistrelle	4
03-08-17	02:27	Common pipistrelle	4
03-08-17	02:28	Common pipistrelle	3
03-08-17	02:29	Common pipistrelle	5
03-08-17	02:30	Common pipistrelle	3
03-08-17	02:31	Common pipistrelle	4
03-08-17	02:32	Common pipistrelle	1
03-08-17	02:32	Soprano pipistrelle	2
03-08-17	02:33	Soprano pipistrelle	2
03-08-17	02:34	Soprano pipistrelle social call	1
03-08-17	02:34	Social	1
03-08-17	02:35	Soprano pipistrelle social call	2
03-08-17	02:36	Soprano pipistrelle	1
03-08-17	02:36	Social	1
03-08-17	02:37	Soprano pipistrelle	3
03-08-17	02:38	Soprano pipistrelle	2
03-08-17	02:39	Soprano pipistrelle	2
03-08-17	02:40	Soprano pipistrelle	2
03-08-17	02:41	Soprano pipistrelle social call	1
03-08-17	02:41	Soprano pipistrelle	2
03-08-17	02:42	Soprano pipistrelle	3
03-08-17	02:43	Soprano pipistrelle	2
03-08-17	02:44	Soprano pipistrelle	2
03-08-17	02:45	Soprano pipistrelle	2
03-08-17	02:46	Soprano pipistrelle	1
03-08-17	02:47	Soprano pipistrelle	2
03-08-17	02:48	Soprano pipistrelle	2
03-08-17	02:50	Soprano pipistrelle	1
03-08-17	02:51	Soprano pipistrelle	1
03-08-17	02:52	Soprano pipistrelle	2
	02:52		3
03-08-17		Soprano pipistrelle	2
03-08-17	02:54	Soprano pipistrelle	
03-08-17	02:55	Soprano pipistrelle	1
03-08-17	02:57	Common pipistrelle	5
03-08-17	02:57	Soprano pipistrelle	1
03-08-17	02:58	Common pipistrelle	2
03-08-17	02:58	Soprano pipistrelle	1
03-08-17	02:59	Common pipistrelle	2
03-08-17	02:59	Soprano pipistrelle	3
03-08-17	03:00	Soprano pipistrelle	2

	1		Ι.
03-08-17	03:01	Soprano pipistrelle social call	1
03-08-17	03:02	Soprano pipistrelle	1
03-08-17	03:03	Soprano pipistrelle	2
03-08-17	03:04	Soprano pipistrelle	2
03-08-17	03:05	Common pipistrelle	1
03-08-17	03:05	Soprano pipistrelle	2
03-08-17	03:05	Soprano pipistrelle	2
03-08-17	03:06	Soprano pipistrelle	1
03-08-17	03:07	Soprano pipistrelle	3
03-08-17	03:08	Soprano pipistrelle	3
03-08-17	03:09	Soprano pipistrelle social call	1
03-08-17	03:09	Soprano pipistrelle	1
03-08-17	03:10	Soprano pipistrelle	2
03-08-17	03:11	Soprano pipistrelle	1
03-08-17	03:12	Soprano pipistrelle	2
03-08-17	03:13	Soprano pipistrelle	3
03-08-17	03:13	Social	1
03-08-17	03:14	Soprano pipistrelle	2
03-08-17	03:17	Common pipistrelle	1
03-08-17	03:17	Soprano pipistrelle	2
03-08-17	03:18	Soprano pipistrelle social call	1
03-08-17	03:18	Common pipistrelle	1
03-08-17	03:18	Soprano pipistrelle	2
03-08-17	03:19	Soprano pipistrelle	1
03-08-17	03:20	Soprano pipistrelle	3
03-08-17	03:21	Soprano pipistrelle	2
03-08-17	03:22	Soprano pipistrelle	1
03-08-17	03:23	Common pipistrelle	1
03-08-17	03:27	Common pipistrelle	2
03-08-17	03:28	Common pipistrelle	4
03-08-17	03:29	Common pipistrelle	1
03-08-17	03:29	Soprano pipistrelle	2
03-08-17	03:30	Soprano pipistrelle	3
03-08-17	03:31	Common pipistrelle	3
03-08-17	03:31	Soprano pipistrelle	1
03-08-17	03:32	Common pipistrelle	1
03-08-17	03:32	Soprano pipistrelle	2
03-08-17	03:33	Soprano pipistrelle	1
03-08-17	03:34	Soprano pipistrelle	2
03-08-17	03:35	Soprano pipistrelle	3
03-08-17	03:35	Soprano pipistrelle	3
			1
03-08-17	03:37	Soprano pipistrelle	1
03-08-17	03:38	Soprano pipistrelle	
03-08-17	03:39	Common pipistrelle	1
03-08-17	03:39	Soprano pipistrelle	1
03-08-17	03:40	Soprano pipistrelle	3
03-08-17	03:41	Soprano pipistrelle	2
03-08-17	03:42	Soprano pipistrelle	2
03-08-17	03:44	Soprano pipistrelle	1
03-08-17	03:54	Soprano pipistrelle	1
03-08-17	04:07	Daubentons	1

03-08-17	04:10	Conrana ninistralla	1
03-08-17	04:10	Soprano pipistrelle Social	1
			-
03-08-17	04:32	Soprano pipistrelle	1
03-08-17	04:47	Soprano pipistrelle	1
03-08-17	04:53	Soprano pipistrelle	1
03-08-17	05:04	Noctule	1
03-08-17	05:09	Noctule	1
03-08-17	05:17	Noctule	1
03-08-17	05:18	Noctule	1
Evening 2		T -	
03-08-17	21:04	Soprano pipistrelle	1
03-08-17	21:08	Soprano pipistrelle	1
03-08-17	21:16	Soprano pipistrelle	1
03-08-17	21:19	Common pipistrelle	1
03-08-17	21:29	Soprano pipistrelle	1
03-08-17	21:32	Soprano pipistrelle	1
03-08-17	21:45	Soprano pipistrelle	1
03-08-17	21:48	Common pipistrelle	1
03-08-17	21:52	Noctule	2
03-08-17	21:57	Noctule	1
03-08-17	22:14	Common pipistrelle	1
03-08-17	22:19	Common pipistrelle	4
03-08-17	22:20	Common pipistrelle	4
03-08-17	22:21	Common pipistrelle	5
03-08-17	22:22	Common pipistrelle	4
03-08-17	22:23	Common pipistrelle	3
03-08-17	22:24	Common pipistrelle	3
03-08-17	22:24	Soprano pipistrelle	1
03-08-17	22:25	Common pipistrelle	1
03-08-17	22:26	Common pipistrelle	4
03-08-17	22:27	Common pipistrelle	4
03-08-17	22:28	Common pipistrelle	5
03-08-17	22:29	Common pipistrelle	3
03-08-17	22:33	Soprano pipistrelle	1
03-08-17	22:34	Common pipistrelle	2
03-08-17	22:35	Common pipistrelle	5
03-08-17	22:36	Common pipistrelle	2
03-08-17	22:41	Common pipistrelle	1
03-08-17	22:41	Soprano pipistrelle	1
03-08-17	22:42	Soprano pipistrelle	2
03-08-17	22:42	Soprano pipistrelle	1
03-08-17	22:44	Common pipistrelle	1
			1
03-08-17	22:48	Common pipistrelle	
03-08-17	22:49	Common pipistrelle	1
03-08-17	22:50	Common pipistrelle	4
03-08-17	22:56	Common pipistrelle	1
03-08-17	23:01	Soprano pipistrelle	2
03-08-17	23:02	Soprano pipistrelle	2
03-08-17	23:03	Soprano pipistrelle	1
03-08-17	23:12	Common pipistrelle	2
03-08-17	23:13	Common pipistrelle	1

03-08-17 23:15 Common pipistrelle 2 03-08-17 23:15 Common pipistrelle 3 03-08-17 23:25 Common pipistrelle 1 03-08-17 23:26 Common pipistrelle 2 03-08-17 23:27 Common pipistrelle 4 03-08-17 23:28 Common pipistrelle 3 03-08-17 23:29 Common pipistrelle 1 03-08-17 23:32 Daubentons 1 03-08-17 23:33 Soprano pipistrelle 1 03-08-17 23:33 Soprano pipistrelle 1 03-08-17 23:34 Common pipistrelle 1 03-08-17 23:41 Soprano pipistrelle 1 03-08-17 23:49 Common pipistrelle 1 03-08-17 23:51 Daubentons 1 03-08-17 23:52 Common pipistrelle 1 03-08-17 23:55 Soprano pipistrelle 1 03-08-17 23:55 Soprano pipistrell
03-08-17 23:17 Soprano pipistrelle 1 03-08-17 23:25 Common pipistrelle 2 03-08-17 23:26 Common pipistrelle 4 03-08-17 23:27 Common pipistrelle 4 03-08-17 23:28 Common pipistrelle 3 03-08-17 23:29 Common pipistrelle 1 03-08-17 23:32 Daubentons 1 03-08-17 23:33 Soprano pipistrelle 1 03-08-17 23:34 Common pipistrelle 1 03-08-17 23:41 Soprano pipistrelle 1 03-08-17 23:41 Soprano pipistrelle 1 03-08-17 23:51 Daubentons 1 03-08-17 23:51 Daubentons 1 03-08-17 23:55 Soprano pipistrelle 1 03-08-17 23:55 Soprano pipistrelle 1 03-08-17 23:58 Social 1 04-08-17 00:08 Soprano pipistrelle <td< td=""></td<>
03-08-17 23:25 Common pipistrelle 2 03-08-17 23:26 Common pipistrelle 4 03-08-17 23:27 Common pipistrelle 4 03-08-17 23:28 Common pipistrelle 3 03-08-17 23:29 Common pipistrelle 1 03-08-17 23:32 Daubentons 1 03-08-17 23:33 Soprano pipistrelle 1 03-08-17 23:34 Common pipistrelle 1 03-08-17 23:41 Soprano pipistrelle 1 03-08-17 23:49 Common pipistrelle 1 03-08-17 23:51 Daubentons 1 03-08-17 23:55 Common pipistrelle 1 03-08-17 23:55 Soprano pipistrelle 1 03-08-17 23:58 Social 1 04-08-17 00:08 Soprano pipistrelle 1 03-08-17 23:58 Social 1 04-08-17 00:10 Common pipistrelle 1
03-08-17 23:26 Common pipistrelle 4 03-08-17 23:27 Common pipistrelle 4 03-08-17 23:28 Common pipistrelle 3 03-08-17 23:29 Common pipistrelle 1 03-08-17 23:32 Daubentons 1 03-08-17 23:33 Soprano pipistrelle 1 03-08-17 23:34 Common pipistrelle 1 03-08-17 23:41 Soprano pipistrelle 1 03-08-17 23:49 Common pipistrelle 1 03-08-17 23:49 Common pipistrelle 1 03-08-17 23:51 Daubentons 1 03-08-17 23:52 Common pipistrelle 1 03-08-17 23:58 Social 1 04-08-17 00:08 Soprano pipistrelle 1 04-08-17 00:10 Common pipistrelle 1 04-08-17 00:11 Common pipistrelle 2 04-08-17 00:20 Common pipistrelle
03-08-17 23:27 Common pipistrelle 4 03-08-17 23:28 Common pipistrelle 3 03-08-17 23:32 Daubentons 1 03-08-17 23:33 Soprano pipistrelle 1 03-08-17 23:34 Common pipistrelle 1 03-08-17 23:41 Soprano pipistrelle 1 03-08-17 23:49 Common pipistrelle 1 03-08-17 23:51 Daubentons 1 03-08-17 23:51 Daubentons 1 03-08-17 23:52 Common pipistrelle 1 03-08-17 23:55 Soprano pipistrelle 1 03-08-17 23:58 Social 1 04-08-17 00:08 Soprano pipistrelle 1 03-08-17 23:58 Social 1 04-08-17 00:08 Soprano pipistrelle 1 04-08-17 00:10 Common pipistrelle 2 04-08-17 00:19 Common pipistrelle 5 </td
03-08-17 23:28 Common pipistrelle 3 03-08-17 23:29 Common pipistrelle 1 03-08-17 23:32 Daubentons 1 03-08-17 23:33 Soprano pipistrelle 1 03-08-17 23:41 Soprano pipistrelle 1 03-08-17 23:49 Common pipistrelle 1 03-08-17 23:51 Daubentons 1 03-08-17 23:52 Common pipistrelle 1 03-08-17 23:52 Common pipistrelle 1 03-08-17 23:55 Soprano pipistrelle 1 03-08-17 23:55 Soprano pipistrelle 1 03-08-17 23:58 Social 1 04-08-17 00:08 Soprano pipistrelle 1 04-08-17 00:08 Soprano pipistrelle 1 04-08-17 00:10 Common pipistrelle 2 04-08-17 00:20 Common pipistrelle 5 04-08-17 00:20 Common pipistrelle
03-08-17 23:29 Common pipistrelle 1 03-08-17 23:32 Daubentons 1 03-08-17 23:33 Soprano pipistrelle 1 03-08-17 23:34 Common pipistrelle 1 03-08-17 23:41 Soprano pipistrelle 1 03-08-17 23:49 Common pipistrelle 1 03-08-17 23:51 Daubentons 1 03-08-17 23:52 Common pipistrelle 1 03-08-17 23:55 Soprano pipistrelle 1 03-08-17 23:58 Social 1 04-08-17 00:08 Soprano pipistrelle 1 04-08-17 00:10 Common pipistrelle 1 04-08-17 00:11 Common pipistrelle 2 04-08-17 00:19 Common pipistrelle 5 04-08-17 00:20 Common pipistrelle 2 04-08-17 00:21 Common pipistrelle 2 04-08-17 00:26 Common pipistrelle
03-08-17 23:32 Daubentons 1 03-08-17 23:33 Soprano pipistrelle 1 03-08-17 23:34 Common pipistrelle 1 03-08-17 23:41 Soprano pipistrelle 1 03-08-17 23:49 Common pipistrelle 1 03-08-17 23:51 Daubentons 1 03-08-17 23:52 Common pipistrelle 1 03-08-17 23:55 Soprano pipistrelle 1 03-08-17 23:58 Social 1 04-08-17 00:08 Soprano pipistrelle 1 04-08-17 00:10 Common pipistrelle 1 04-08-17 00:11 Common pipistrelle 2 04-08-17 00:19 Common pipistrelle 5 04-08-17 00:20 Common pipistrelle 2 04-08-17 00:21 Common pipistrelle 2 04-08-17 00:24 Soprano pipistrelle 2 04-08-17 00:26 Common pipistrelle
03-08-17 23:33 Soprano pipistrelle 1 03-08-17 23:34 Common pipistrelle 1 03-08-17 23:41 Soprano pipistrelle 1 03-08-17 23:49 Common pipistrelle 1 03-08-17 23:51 Daubentons 1 03-08-17 23:52 Common pipistrelle 1 03-08-17 23:55 Soprano pipistrelle 1 03-08-17 23:58 Social 1 04-08-17 00:08 Soprano pipistrelle 1 04-08-17 00:10 Common pipistrelle 1 04-08-17 00:11 Common pipistrelle 2 04-08-17 00:19 Common pipistrelle 5 04-08-17 00:20 Common pipistrelle 2 04-08-17 00:21 Common pipistrelle 2 04-08-17 00:24 Soprano pipistrelle 1 04-08-17 00:26 Common pipistrelle 2 04-08-17 00:28 Daubentons
03-08-17 23:34 Common pipistrelle 1 03-08-17 23:41 Soprano pipistrelle 1 03-08-17 23:49 Common pipistrelle 1 03-08-17 23:51 Daubentons 1 03-08-17 23:52 Common pipistrelle 1 03-08-17 23:55 Soprano pipistrelle 1 03-08-17 23:58 Social 1 04-08-17 00:08 Soprano pipistrelle 1 04-08-17 00:10 Common pipistrelle 1 04-08-17 00:11 Common pipistrelle 2 04-08-17 00:19 Common pipistrelle 5 04-08-17 00:20 Common pipistrelle 2 04-08-17 00:21 Common pipistrelle 2 04-08-17 00:24 Soprano pipistrelle 1 04-08-17 00:26 Common pipistrelle social call 1 04-08-17 00:26 Common pipistrelle 2 04-08-17 00:28 Daubentons
03-08-17 23:41 Soprano pipistrelle 1 03-08-17 23:49 Common pipistrelle 1 03-08-17 23:51 Daubentons 1 03-08-17 23:52 Common pipistrelle 1 03-08-17 23:55 Soprano pipistrelle 1 03-08-17 23:58 Social 1 04-08-17 00:08 Soprano pipistrelle 1 04-08-17 00:08 Soprano pipistrelle 1 04-08-17 00:10 Common pipistrelle 2 04-08-17 00:11 Common pipistrelle 2 04-08-17 00:20 Common pipistrelle 4 04-08-17 00:21 Common pipistrelle 2 04-08-17 00:24 Soprano pipistrelle social call 1 04-08-17 00:26 Common pipistrelle 2 04-08-17 00:27 Common pipistrelle 2 04-08-17 00:28 Daubentons 1 04-08-17 00:28 Social
03-08-17 23:49 Common pipistrelle 1 03-08-17 23:51 Daubentons 1 03-08-17 23:52 Common pipistrelle 1 03-08-17 23:55 Soprano pipistrelle 1 03-08-17 23:58 Social 1 04-08-17 00:08 Soprano pipistrelle 1 04-08-17 00:10 Common pipistrelle 1 04-08-17 00:11 Common pipistrelle 2 04-08-17 00:19 Common pipistrelle 5 04-08-17 00:20 Common pipistrelle 4 04-08-17 00:21 Common pipistrelle 2 04-08-17 00:24 Soprano pipistrelle social call 1 04-08-17 00:26 Common pipistrelle 2 04-08-17 00:27 Common pipistrelle 2 04-08-17 00:28 Daubentons 1 04-08-17 00:28 Social 1 04-08-17 00:33 Soprano pipistrelle social call
03-08-17 23:51 Daubentons 1 03-08-17 23:52 Common pipistrelle 1 03-08-17 23:55 Soprano pipistrelle 1 03-08-17 23:58 Social 1 04-08-17 00:08 Soprano pipistrelle 1 04-08-17 00:10 Common pipistrelle 1 04-08-17 00:11 Common pipistrelle 2 04-08-17 00:19 Common pipistrelle 5 04-08-17 00:20 Common pipistrelle 2 04-08-17 00:21 Common pipistrelle 2 04-08-17 00:24 Soprano pipistrelle 1 04-08-17 00:26 Common pipistrelle social call 1 04-08-17 00:26 Common pipistrelle 2 04-08-17 00:28 Daubentons 1 04-08-17 00:28 Social 1 04-08-17 00:33 Soprano pipistrelle social call 1 04-08-17 00:33 Soprano pipistrell
03-08-17 23:52 Common pipistrelle 1 03-08-17 23:55 Soprano pipistrelle 1 03-08-17 23:58 Social 1 04-08-17 00:08 Soprano pipistrelle 1 04-08-17 00:10 Common pipistrelle 1 04-08-17 00:11 Common pipistrelle 2 04-08-17 00:19 Common pipistrelle 5 04-08-17 00:20 Common pipistrelle 2 04-08-17 00:21 Common pipistrelle 2 04-08-17 00:24 Soprano pipistrelle 1 04-08-17 00:26 Common pipistrelle social call 1 04-08-17 00:26 Common pipistrelle 2 04-08-17 00:28 Daubentons 1 04-08-17 00:28 Social 1 04-08-17 00:33 Soprano pipistrelle social call 1 04-08-17 00:33 Soprano pipistrelle 3 04-08-17 00:34 Soprano p
03-08-17 23:55 Soprano pipistrelle 1 03-08-17 23:58 Social 1 04-08-17 00:08 Soprano pipistrelle 1 04-08-17 00:10 Common pipistrelle 1 04-08-17 00:11 Common pipistrelle 2 04-08-17 00:19 Common pipistrelle 5 04-08-17 00:20 Common pipistrelle 2 04-08-17 00:21 Common pipistrelle 2 04-08-17 00:24 Soprano pipistrelle 1 04-08-17 00:26 Common pipistrelle social call 1 04-08-17 00:26 Common pipistrelle 2 04-08-17 00:28 Daubentons 1 04-08-17 00:28 Social 1 04-08-17 00:33 Soprano pipistrelle social call 1 04-08-17 00:33 Soprano pipistrelle 3 04-08-17 00:34 Soprano pipistrelle 3 04-08-17 01:00 Common p
03-08-17 23:58 Social 1 04-08-17 00:08 Soprano pipistrelle 1 04-08-17 00:10 Common pipistrelle 1 04-08-17 00:11 Common pipistrelle 2 04-08-17 00:19 Common pipistrelle 5 04-08-17 00:20 Common pipistrelle 4 04-08-17 00:21 Common pipistrelle 2 04-08-17 00:24 Soprano pipistrelle 1 04-08-17 00:26 Common pipistrelle social call 1 04-08-17 00:26 Common pipistrelle 2 04-08-17 00:27 Common pipistrelle 2 04-08-17 00:28 Daubentons 1 04-08-17 00:33 Soprano pipistrelle social call 1 04-08-17 00:33 Soprano pipistrelle 3 04-08-17 00:34 Soprano pipistrelle 3 04-08-17 01:00 Common pipistrelle 1 04-08-17 01:01 <
04-08-17 00:08 Soprano pipistrelle 1 04-08-17 00:10 Common pipistrelle 1 04-08-17 00:11 Common pipistrelle 2 04-08-17 00:19 Common pipistrelle 5 04-08-17 00:20 Common pipistrelle 4 04-08-17 00:21 Common pipistrelle 2 04-08-17 00:24 Soprano pipistrelle social call 1 04-08-17 00:26 Common pipistrelle 2 04-08-17 00:26 Common pipistrelle 2 04-08-17 00:28 Daubentons 1 04-08-17 00:28 Social 1 04-08-17 00:33 Soprano pipistrelle social call 1 04-08-17 00:33 Soprano pipistrelle 3 04-08-17 00:34 Soprano pipistrelle 3 04-08-17 01:00 Common pipistrelle 1 04-08-17 01:00 Common pipistrelle 2
04-08-17 00:10 Common pipistrelle 1 04-08-17 00:11 Common pipistrelle 2 04-08-17 00:19 Common pipistrelle 5 04-08-17 00:20 Common pipistrelle 4 04-08-17 00:21 Common pipistrelle 2 04-08-17 00:24 Soprano pipistrelle 1 04-08-17 00:26 Common pipistrelle social call 1 04-08-17 00:26 Common pipistrelle 2 04-08-17 00:28 Daubentons 1 04-08-17 00:28 Social 1 04-08-17 00:33 Soprano pipistrelle social call 1 04-08-17 00:33 Soprano pipistrelle 1 04-08-17 00:34 Soprano pipistrelle 3 04-08-17 01:00 Common pipistrelle 2
04-08-17 00:10 Common pipistrelle 1 04-08-17 00:11 Common pipistrelle 2 04-08-17 00:19 Common pipistrelle 5 04-08-17 00:20 Common pipistrelle 4 04-08-17 00:21 Common pipistrelle 2 04-08-17 00:24 Soprano pipistrelle 1 04-08-17 00:26 Common pipistrelle social call 1 04-08-17 00:26 Common pipistrelle 2 04-08-17 00:28 Daubentons 1 04-08-17 00:28 Social 1 04-08-17 00:33 Soprano pipistrelle social call 1 04-08-17 00:33 Soprano pipistrelle 1 04-08-17 00:34 Soprano pipistrelle 3 04-08-17 01:00 Common pipistrelle 2
04-08-17 00:19 Common pipistrelle 5 04-08-17 00:20 Common pipistrelle 4 04-08-17 00:21 Common pipistrelle 2 04-08-17 00:24 Soprano pipistrelle 1 04-08-17 00:26 Common pipistrelle social call 1 04-08-17 00:26 Common pipistrelle 2 04-08-17 00:27 Common pipistrelle 2 04-08-17 00:28 Daubentons 1 04-08-17 00:33 Soprano pipistrelle social call 1 04-08-17 00:33 Soprano pipistrelle 1 04-08-17 00:34 Soprano pipistrelle 3 04-08-17 01:00 Common pipistrelle 1 04-08-17 01:01 Common pipistrelle 2
04-08-17 00:19 Common pipistrelle 5 04-08-17 00:20 Common pipistrelle 4 04-08-17 00:21 Common pipistrelle 2 04-08-17 00:24 Soprano pipistrelle 1 04-08-17 00:26 Common pipistrelle social call 1 04-08-17 00:26 Common pipistrelle 2 04-08-17 00:27 Common pipistrelle 2 04-08-17 00:28 Daubentons 1 04-08-17 00:33 Soprano pipistrelle social call 1 04-08-17 00:33 Soprano pipistrelle 1 04-08-17 00:34 Soprano pipistrelle 3 04-08-17 01:00 Common pipistrelle 1 04-08-17 01:01 Common pipistrelle 2
04-08-17 00:20 Common pipistrelle 4 04-08-17 00:21 Common pipistrelle 2 04-08-17 00:24 Soprano pipistrelle 1 04-08-17 00:26 Common pipistrelle social call 1 04-08-17 00:26 Common pipistrelle 2 04-08-17 00:27 Common pipistrelle 2 04-08-17 00:28 Daubentons 1 04-08-17 00:33 Soprano pipistrelle social call 1 04-08-17 00:33 Soprano pipistrelle 1 04-08-17 00:34 Soprano pipistrelle 3 04-08-17 01:00 Common pipistrelle 1 04-08-17 01:01 Common pipistrelle 2
04-08-17 00:21 Common pipistrelle 2 04-08-17 00:24 Soprano pipistrelle 1 04-08-17 00:26 Common pipistrelle social call 1 04-08-17 00:26 Common pipistrelle 2 04-08-17 00:27 Common pipistrelle 2 04-08-17 00:28 Daubentons 1 04-08-17 00:28 Social 1 04-08-17 00:33 Soprano pipistrelle social call 1 04-08-17 00:33 Soprano pipistrelle 3 04-08-17 01:00 Common pipistrelle 1 04-08-17 01:01 Common pipistrelle 2
04-08-17 00:24 Soprano pipistrelle 1 04-08-17 00:26 Common pipistrelle social call 1 04-08-17 00:26 Common pipistrelle 2 04-08-17 00:27 Common pipistrelle 2 04-08-17 00:28 Daubentons 1 04-08-17 00:28 Social 1 04-08-17 00:33 Soprano pipistrelle social call 1 04-08-17 00:33 Soprano pipistrelle 1 04-08-17 00:34 Soprano pipistrelle 3 04-08-17 01:00 Common pipistrelle 1 04-08-17 01:01 Common pipistrelle 2
04-08-17 00:26 Common pipistrelle social call 1 04-08-17 00:26 Common pipistrelle 2 04-08-17 00:27 Common pipistrelle 2 04-08-17 00:28 Daubentons 1 04-08-17 00:28 Social 1 04-08-17 00:33 Soprano pipistrelle social call 1 04-08-17 00:33 Soprano pipistrelle 1 04-08-17 00:34 Soprano pipistrelle 3 04-08-17 01:00 Common pipistrelle 1 04-08-17 01:01 Common pipistrelle 2
04-08-17 00:26 Common pipistrelle 2 04-08-17 00:27 Common pipistrelle 2 04-08-17 00:28 Daubentons 1 04-08-17 00:28 Social 1 04-08-17 00:33 Soprano pipistrelle social call 1 04-08-17 00:33 Soprano pipistrelle 1 04-08-17 00:34 Soprano pipistrelle 3 04-08-17 01:00 Common pipistrelle 1 04-08-17 01:01 Common pipistrelle 2
04-08-17 00:27 Common pipistrelle 2 04-08-17 00:28 Daubentons 1 04-08-17 00:28 Social 1 04-08-17 00:33 Soprano pipistrelle social call 1 04-08-17 00:33 Soprano pipistrelle 1 04-08-17 00:34 Soprano pipistrelle 3 04-08-17 01:00 Common pipistrelle 1 04-08-17 01:01 Common pipistrelle 2
04-08-17 00:28 Daubentons 1 04-08-17 00:28 Social 1 04-08-17 00:33 Soprano pipistrelle social call 1 04-08-17 00:33 Soprano pipistrelle 1 04-08-17 00:34 Soprano pipistrelle 3 04-08-17 01:00 Common pipistrelle 1 04-08-17 01:01 Common pipistrelle 2
04-08-17 00:28 Social 1 04-08-17 00:33 Soprano pipistrelle social call 1 04-08-17 00:33 Soprano pipistrelle 1 04-08-17 00:34 Soprano pipistrelle 3 04-08-17 01:00 Common pipistrelle 1 04-08-17 01:01 Common pipistrelle 2
04-08-17 00:33 Soprano pipistrelle social call 1 04-08-17 00:33 Soprano pipistrelle 1 04-08-17 00:34 Soprano pipistrelle 3 04-08-17 01:00 Common pipistrelle 1 04-08-17 01:01 Common pipistrelle 2
04-08-17 00:33 Soprano pipistrelle 1 04-08-17 00:34 Soprano pipistrelle 3 04-08-17 01:00 Common pipistrelle 1 04-08-17 01:01 Common pipistrelle 2
04-08-17 00:34 Soprano pipistrelle 3 04-08-17 01:00 Common pipistrelle 1 04-08-17 01:01 Common pipistrelle 2
04-08-17 01:00 Common pipistrelle 1 04-08-17 01:01 Common pipistrelle 2
04-08-17 01:01 Common pipistrelle 2
''
1 U4-U6-17 U1.U4 Common bibisirelle I
' '
04-08-17 01:10 Soprano pipistrelle social call 1
04-08-17 01:10 Soprano pipistrelle 1
04-08-17 01:11 Soprano pipistrelle 4
04-08-17 01:12 Soprano pipistrelle 2
04-08-17 01:13 Common pipistrelle 1
04-08-17 01:16 Common pipistrelle 2
04-08-17 01:18 Common pipistrelle social call 1
04-08-17 01:19 Common pipistrelle social call 1
04-08-17 01:22 Social 1
04-08-17 01:25 Common pipistrelle 1
04-08-17 01:27 Common pipistrelle 1
04-08-17 01:28 Common pipistrelle 4
04-08-17 01:29 Common pipistrelle 1
04-08-17 01:30 Common pipistrelle 2
04-08-17 01:32 Common pipistrelle social call 1

04.00.47	04.00	Common ninistralla	
04-08-17	01:33	Common pipistrelle	2
04-08-17	01:35	Common pipistrelle	
04-08-17	01:36	Common pipistrelle social call	2
04-08-17	01:37	Soprano pipistrelle social call	1
04-08-17	01:37	Social	1
04-08-17	01:39	Common pipistrelle social call	2
04-08-17	01:40	Soprano pipistrelle	1
04-08-17	01:43	Common pipistrelle	1
04-08-17	01:43	Soprano pipistrelle	2
04-08-17	01:43	Social	1
04-08-17	01:45	Soprano pipistrelle	1
04-08-17	01:46	Soprano pipistrelle	3
04-08-17	01:54	Common pipistrelle	4
04-08-17	01:55	Common pipistrelle	1
04-08-17	01:59	Social	1
04-08-17	02:05	Soprano pipistrelle	1
04-08-17	02:09	Common pipistrelle	1
04-08-17	02:22	Soprano pipistrelle social call	1
04-08-17	02:23	Soprano pipistrelle social call	1
04-08-17	02:23	Social	1
04-08-17	02:24	Soprano pipistrelle	1
04-08-17	02:26	Soprano pipistrelle	1
04-08-17	02:29	Social	2
04-08-17	02:37	Common pipistrelle	1
04-08-17	02:38	Common pipistrelle	1
04-08-17	02:39	Common pipistrelle	6
04-08-17	02:40	Common pipistrelle	4
04-08-17	02:41	Common pipistrelle	5
04-08-17	02:42	Common pipistrelle	4
04-08-17	02:42	Soprano pipistrelle	1
04-08-17	02:43	Common pipistrelle	4
04-08-17	02:44	Common pipistrelle	3
04-08-17	02:45	Common pipistrelle	4
04-08-17	02:45	Soprano pipistrelle	1
04-08-17	02:45	Social	1
04-08-17	02:46	Common pipistrelle	1
04-08-17	02:46	Soprano pipistrelle	2
04-08-17	02:46	Social	1
04-08-17	03:01	Soprano pipistrelle social call	1
04-08-17	03:06	Soprano pipistrelle	1
04-08-17	03:08	Soprano pipistrelle social call	1
		Social	
04-08-17	03:10	Social	1
04-08-17	03:12		
04-08-17	03:13	Soprano pipistrelle social call	1
04-08-17	03:14	Soprano pipistrelle	2
04-08-17	03:20	Soprano pipistrelle social call	1
04-08-17	03:22	Soprano pipistrelle social call	1
04-08-17	03:23	Common pipistrelle	1
04-08-17	03:26	Soprano pipistrelle	1
04-08-17	03:26	Social	1
04-08-17	03:27	Social	1

04-08-17	03:28	Conrana piniatralla aggial gall	1
04-08-17	03:28	Soprano pipistrelle social call	1
		Soprano pipistrelle	·
04-08-17	03:30	Soprano pipistrelle	1
04-08-17	03:37	Soprano pipistrelle	1
04-08-17	03:41	Soprano pipistrelle	1
04-08-17	04:02	Common pipistrelle	1
04-08-17	04:19	Soprano pipistrelle	1
04-08-17	04:29	Soprano pipistrelle	1
04-08-17	04:44	Soprano pipistrelle	1
04-08-17	04:48	Soprano pipistrelle	1
04-08-17	05:09	Noctule	1
Evening 3			
04-08-17	21:04	Noctule	1
04-08-17	21:08	Noctule	1
04-08-17	21:13	Soprano pipistrelle	1
04-08-17	21:33	Noctule	1
04-08-17	21:33	Common pipistrelle	1
04-08-17	21:33	Soprano pipistrelle	1
04-08-17	21:33	Social	1
04-08-17	21:41	Noctule	1
04-08-17	21:43	Soprano pipistrelle	1
04-08-17	21:53	Soprano pipistrelle	1
04-08-17	22:01	Noctule	1
04-08-17	22:18	Soprano pipistrelle	1
04-08-17	22:25	Common pipistrelle	1
04-08-17	22:25	Soprano pipistrelle	1
04-08-17	22:27	Common pipistrelle	1
04-08-17	22:27	Soprano pipistrelle	3
04-08-17	22:29	Soprano pipistrelle	1
04-08-17	22:32	Soprano pipistrelle	1
04-08-17	22:33	Soprano pipistrelle	1
04-08-17	22:34	Social	1
04-08-17	22:35	Soprano pipistrelle	1
04-08-17	22:43	Common pipistrelle	1
04-08-17	22:44	Common pipistrelle	1
04-08-17	22:46	Soprano pipistrelle	1
04-08-17	22:50	Common pipistrelle	1
04-08-17	22:51	Soprano pipistrelle social call	1
04-08-17	22:54	Common pipistrelle	1
04-08-17	22:56	Common pipistrelle	1
04-08-17	22:57	Common pipistrelle	1
04-08-17	22:58	Soprano pipistrelle	1
04-08-17	22:59	Soprano pipistrelle	1
04-08-17	23:00	Soprano pipistrelle	1
04-08-17	23:01	Soprano pipistrelle	1
04-08-17	23:03	Common pipistrelle	1
04-08-17			1
	23:06	Common pipistrelle	
04-08-17	23:09	Soprano pipistrelle social call	1
04-08-17	23:12	Soprano pipistrelle social call	2
04-08-17	23:14	Common pipistrelle	1
04-08-17	23:26	Common pipistrelle	1

04-08-17 23:28 Common pipistrelle 1 04-08-17 23:30 Common pipistrelle 1 04-08-17 23:31 Common pipistrelle 1 04-08-17 23:32 Soprano pipistrelle 1 04-08-17 23:33 Soprano pipistrelle social call 1 04-08-17 23:33 Soprano pipistrelle social call 1 04-08-17 23:34 Common pipistrelle 1 04-08-17 23:35 Soprano pipistrelle 1 04-08-17 23:35 Common pipistrelle 1 04-08-17 23:35 Soprano pipistrelle 1 04-08-17 23:35 Soprano pipistrelle 1 04-08-17 23:36 Common pipistrelle 1 04-08-17 23:37 Soprano pipistrelle 1 04-08-17 23:38 Soprano pipistrelle 2 04-08-17 23:38 Common pipistrelle 2 04-08-17 23:38 Soprano pipistrelle 2 04-08-17 23:38 Soprano pipistrelle 1 04-08-17 23:40 Common pipistrelle 1 04-08-17 23:40 Common pipistrelle 1 04-08-17 23:40 Common pipistrelle 1 04-08-17 23:41 Common pipistrelle 1 04-08-17 23:45 Soprano pipistrelle 1 04-08-17 23:45 Soprano pipistrelle 1 04-08-17 23:46 Common pipistrelle 1 04-08-17 23:47 Common pipistrelle 1 04-08-17 23:50 Soprano pipistrelle 1 04-08-17 23:50 Soprano pipistrelle 1 04-08-17 03:50 Soprano pipistrelle 1 05-08-17 00:00 Soprano pipistrelle 1 05-08-17 00:05 Common pipistrelle 1 05-08-17 00:09 Soprano pipistrelle 1 05-08-17 00:30 Common pipistrelle 1 05-08-17 00:31 Common pipistrelle 1 05-08-17 00:32 Common pipistrelle 1 05-08-17 00:41 Common pipistrelle 1 05-08-17 00:55 Soprano pipistrelle 1 05-08-17 00:55 Soprano pipistrelle 1 05-08	04.00.47	00.00	0	14
04-08-17 23:31 Common pipistrelle 1 04-08-17 23:32 Soprano pipistrelle 1 04-08-17 23:33 Soprano pipistrelle social call 1 04-08-17 23:34 Soprano pipistrelle 1 04-08-17 23:35 Common pipistrelle 1 04-08-17 23:35 Soprano pipistrelle 1 04-08-17 23:36 Common pipistrelle 1 04-08-17 23:37 Soprano pipistrelle 1 04-08-17 23:38 Common pipistrelle 1 04-08-17 23:38 Common pipistrelle 2 04-08-17 23:38 Soprano pipistrelle 1 04-08-17 23:40 Common pipistrelle 1 04-08-17 23:41 Common pipistrelle 1 04-08-17 23:45 Soprano pipistrelle social call 1 04-08-17 23:45 Soprano pipistrelle 1 04-08-17 23:45 Soprano pipistrelle 1 04-08-17				-
04-08-17 23:32 Soprano pipistrelle social call 1 04-08-17 23:33 Soprano pipistrelle social call 1 04-08-17 23:34 Soprano pipistrelle 1 04-08-17 23:35 Common pipistrelle 1 04-08-17 23:35 Soprano pipistrelle 1 04-08-17 23:36 Common pipistrelle 1 04-08-17 23:38 Common pipistrelle 1 04-08-17 23:38 Common pipistrelle 2 04-08-17 23:38 Soprano pipistrelle 1 04-08-17 23:38 Soprano pipistrelle 1 04-08-17 23:40 Common pipistrelle 1 04-08-17 23:41 Common pipistrelle 1 04-08-17 23:45 Soprano pipistrelle 1 04-08-17 23:46 Common pipistrelle 1 04-08-17 23:45 Soprano pipistrelle 1 04-08-17 23:55 Soprano pipistrelle 1 04-08-17				
04-08-17 23:33 Soprano pipistrelle social call 1 04-08-17 23:34 Soprano pipistrelle 1 04-08-17 23:35 Common pipistrelle 1 04-08-17 23:35 Soprano pipistrelle 1 04-08-17 23:36 Common pipistrelle 1 04-08-17 23:36 Common pipistrelle 1 04-08-17 23:38 Common pipistrelle 2 04-08-17 23:38 Common pipistrelle 2 04-08-17 23:38 Soprano pipistrelle 1 04-08-17 23:38 Soprano pipistrelle 1 04-08-17 23:41 Common pipistrelle 1 04-08-17 23:45 Soprano pipistrelle 1 04-08-17 23:46 Common pipistrelle 1 04-08-17 23:47 Common pipistrelle 1 04-08-17 23:53 Soprano pipistrelle 1 04-08-17 23:53 Soprano pipistrelle 1 05-08-17 00:00 <td></td> <td></td> <td></td> <td></td>				
04-08-17 23:34 Soprano pipistrelle social call 1 04-08-17 23:34 Common pipistrelle 1 04-08-17 23:35 Common pipistrelle 1 04-08-17 23:36 Common pipistrelle 1 04-08-17 23:36 Common pipistrelle 1 04-08-17 23:38 Soprano pipistrelle 2 04-08-17 23:38 Soprano pipistrelle 1 04-08-17 23:38 Soprano pipistrelle 1 04-08-17 23:40 Common pipistrelle 1 04-08-17 23:41 Common pipistrelle 1 04-08-17 23:45 Soprano pipistrelle 1 04-08-17 23:45 Soprano pipistrelle 1 04-08-17 23:45 Soprano pipistrelle 1 04-08-17 23:55 Soprano pipistrelle 1 04-08-17 23:53 Soprano pipistrelle 1 04-08-17 23:53 Soprano pipistrelle 1 05-08-17 00:02 </td <td></td> <td></td> <td></td> <td>· ·</td>				· ·
04-08-17 23:34 Common pipistrelle 1 04-08-17 23:35 Common pipistrelle 1 04-08-17 23:36 Common pipistrelle 1 04-08-17 23:36 Common pipistrelle 1 04-08-17 23:37 Soprano pipistrelle social call 1 04-08-17 23:38 Common pipistrelle 2 04-08-17 23:40 Common pipistrelle 1 04-08-17 23:41 Common pipistrelle 1 04-08-17 23:45 Soprano pipistrelle social call 1 04-08-17 23:45 Soprano pipistrelle 1 04-08-17 23:46 Common pipistrelle 1 04-08-17 23:50 Soprano pipistrelle 1 04-08-17 23:53 Soprano pipistrelle 1 04-08-17 23:53 Soprano pipistrelle 1 04-08-17 23:53 Soprano pipistrelle 1 05-08-17 00:00 Soprano pipistrelle 1 05-08-17 <				
04-08-17 23:35 Common pipistrelle 1 04-08-17 23:35 Soprano pipistrelle 1 04-08-17 23:35 Soprano pipistrelle 1 04-08-17 23:38 Common pipistrelle 2 04-08-17 23:38 Soprano pipistrelle 1 04-08-17 23:38 Soprano pipistrelle 1 04-08-17 23:41 Common pipistrelle 1 04-08-17 23:45 Soprano pipistrelle 1 04-08-17 23:50 Soprano pipistrelle 1 04-08-17 23:53 Soprano pipistrelle 1 04-08-17 23:53 Soprano pipistrelle 1 04-08-17 00:00 Soprano pipistrelle 1 05-08-17 00:02 Soprano pipistrelle 1 05-08-17 00:05				
04-08-17 23:35 Soprano pipistrelle 1 04-08-17 23:36 Common pipistrelle 1 04-08-17 23:37 Soprano pipistrelle social call 1 04-08-17 23:38 Common pipistrelle 2 04-08-17 23:40 Common pipistrelle 1 04-08-17 23:41 Common pipistrelle 1 04-08-17 23:45 Soprano pipistrelle social call 1 04-08-17 23:46 Common pipistrelle 1 04-08-17 23:47 Common pipistrelle 1 04-08-17 23:45 Soprano pipistrelle 1 04-08-17 23:50 Soprano pipistrelle 1 04-08-17 23:53 Soprano pipistrelle 1 04-08-17 23:59 Common pipistrelle 1 05-08-17 00:00 Soprano pipistrelle 1 05-08-17 00:02 Soprano pipistrelle 1 05-08-17 00:05 Common pipistrelle 1 05-08-17 <			• •	
04-08-17 23:36 Common pipistrelle 1 04-08-17 23:37 Soprano pipistrelle social call 1 04-08-17 23:38 Common pipistrelle 2 04-08-17 23:40 Common pipistrelle 1 04-08-17 23:41 Common pipistrelle 1 04-08-17 23:45 Soprano pipistrelle social call 1 04-08-17 23:46 Common pipistrelle 1 04-08-17 23:46 Common pipistrelle 1 04-08-17 23:50 Soprano pipistrelle 1 04-08-17 23:50 Soprano pipistrelle 1 04-08-17 23:53 Soprano pipistrelle 1 04-08-17 23:59 Common pipistrelle 1 05-08-17 00:00 Soprano pipistrelle 1 05-08-17 00:02 Soprano pipistrelle 1 05-08-17 00:05 Common pipistrelle 1 05-08-17 00:06 Common pipistrelle 1 05-08-17 <t< td=""><td></td><td></td><td></td><td>1</td></t<>				1
04-08-17 23:37 Soprano pipistrelle social call 1 04-08-17 23:38 Common pipistrelle 2 04-08-17 23:34 Common pipistrelle 1 04-08-17 23:40 Common pipistrelle 1 04-08-17 23:41 Common pipistrelle 1 04-08-17 23:45 Soprano pipistrelle 1 04-08-17 23:46 Common pipistrelle 1 04-08-17 23:47 Common pipistrelle 1 04-08-17 23:50 Soprano pipistrelle 1 04-08-17 23:53 Soprano pipistrelle social call 1 04-08-17 23:59 Common pipistrelle 1 05-08-17 00:00 Soprano pipistrelle 1 05-08-17 00:02 Soprano pipistrelle 1 05-08-17 00:04 Soprano pipistrelle 1 05-08-17 00:05 Common pipistrelle 1 05-08-17 00:06 Common pipistrelle 1 05-08-17 <t< td=""><td>04-08-17</td><td>23:35</td><td></td><td>1</td></t<>	04-08-17	23:35		1
04-08-17 23:38 Common pipistrelle 2 04-08-17 23:38 Soprano pipistrelle 1 04-08-17 23:40 Common pipistrelle 1 04-08-17 23:41 Common pipistrelle 1 04-08-17 23:45 Soprano pipistrelle social call 1 04-08-17 23:46 Common pipistrelle 1 04-08-17 23:50 Soprano pipistrelle 1 04-08-17 23:53 Soprano pipistrelle 1 04-08-17 23:53 Soprano pipistrelle 1 04-08-17 23:59 Common pipistrelle 1 05-08-17 00:00 Soprano pipistrelle 1 05-08-17 00:00 Soprano pipistrelle 1 05-08-17 00:04 Soprano pipistrelle social call 1 05-08-17 00:05 Common pipistrelle 1 05-08-17 00:06 Common pipistrelle 1 05-08-17 00:09 Soprano pipistrelle 1 05-08-17	04-08-17	23:36	Common pipistrelle	1
04-08-17 23:38 Soprano pipistrelle 1 04-08-17 23:40 Common pipistrelle 1 04-08-17 23:41 Common pipistrelle 1 04-08-17 23:45 Soprano pipistrelle social call 1 04-08-17 23:46 Common pipistrelle 1 04-08-17 23:47 Common pipistrelle 1 04-08-17 23:50 Soprano pipistrelle 1 04-08-17 23:53 Soprano pipistrelle 1 04-08-17 23:59 Common pipistrelle 1 04-08-17 00:00 Soprano pipistrelle 1 05-08-17 00:00 Soprano pipistrelle 1 05-08-17 00:04 Soprano pipistrelle 1 05-08-17 00:05 Common pipistrelle 1 05-08-17 00:05 Common pipistrelle 1 05-08-17 00:05 Common pipistrelle 1 05-08-17 00:09 Soprano pipistrelle 1 05-08-17 00:09 <td>04-08-17</td> <td>23:37</td> <td>Soprano pipistrelle social call</td> <td>=</td>	04-08-17	23:37	Soprano pipistrelle social call	=
04-08-17 23:40 Common pipistrelle 1 04-08-17 23:41 Common pipistrelle 1 04-08-17 23:45 Soprano pipistrelle social call 1 04-08-17 23:46 Common pipistrelle 1 04-08-17 23:50 Soprano pipistrelle 1 04-08-17 23:53 Soprano pipistrelle social call 1 04-08-17 23:59 Common pipistrelle 1 04-08-17 23:59 Common pipistrelle 1 05-08-17 00:00 Soprano pipistrelle 1 05-08-17 00:02 Soprano pipistrelle 1 05-08-17 00:04 Soprano pipistrelle 1 05-08-17 00:05 Common pipistrelle 1 05-08-17 00:05 Common pipistrelle 1 05-08-17 00:06 Common pipistrelle 1 05-08-17 00:09 Soprano pipistrelle 1 05-08-17 00:09 Soprano pipistrelle 1 05-08-17 <	04-08-17	23:38	Common pipistrelle	2
04-08-17 23:41 Common pipistrelle 1 04-08-17 23:45 Soprano pipistrelle social call 1 04-08-17 23:46 Common pipistrelle 1 04-08-17 23:47 Common pipistrelle 1 04-08-17 23:50 Soprano pipistrelle 1 04-08-17 23:53 Soprano pipistrelle 1 05-08-17 00:00 Soprano pipistrelle 1 05-08-17 00:02 Soprano pipistrelle 1 05-08-17 00:04 Soprano pipistrelle 1 05-08-17 00:04 Soprano pipistrelle 1 05-08-17 00:05 Common pipistrelle 1 05-08-17 00:05 Common pipistrelle 1 05-08-17 00:05 Common pipistrelle 1 05-08-17 00:06 Common pipistrelle 1 05-08-17 00:09 Soprano pipistrelle 1 05-08-17 00:09 Soprano pipistrelle 1 05-08-17 00:14 <td>04-08-17</td> <td>23:38</td> <td>Soprano pipistrelle</td> <td>1</td>	04-08-17	23:38	Soprano pipistrelle	1
04-08-17 23:45 Soprano pipistrelle social call 1 04-08-17 23:46 Common pipistrelle 1 04-08-17 23:47 Common pipistrelle 1 04-08-17 23:50 Soprano pipistrelle 1 04-08-17 23:53 Soprano pipistrelle 1 04-08-17 23:59 Common pipistrelle 1 05-08-17 00:00 Soprano pipistrelle 1 05-08-17 00:02 Soprano pipistrelle 1 05-08-17 00:02 Soprano pipistrelle 1 05-08-17 00:05 Common pipistrelle 1 05-08-17 00:05 Common pipistrelle 1 05-08-17 00:05 Common pipistrelle 1 05-08-17 00:06 Common pipistrelle 1 05-08-17 00:09 Soprano pipistrelle 1 05-08-17 00:09 Soprano pipistrelle 1 05-08-17 00:14 Common pipistrelle 1 05-08-17 00:29 <td>04-08-17</td> <td>23:40</td> <td>Common pipistrelle</td> <td>1</td>	04-08-17	23:40	Common pipistrelle	1
04-08-17 23:46 Common pipistrelle 1 04-08-17 23:47 Common pipistrelle 1 04-08-17 23:50 Soprano pipistrelle 1 04-08-17 23:53 Soprano pipistrelle social call 1 04-08-17 23:59 Common pipistrelle 1 05-08-17 00:00 Soprano pipistrelle 1 05-08-17 00:02 Soprano pipistrelle 1 05-08-17 00:04 Soprano pipistrelle 1 05-08-17 00:05 Common pipistrelle 1 05-08-17 00:05 Common pipistrelle 1 05-08-17 00:05 Common pipistrelle 1 05-08-17 00:06 Common pipistrelle 1 05-08-17 00:09 Soprano pipistrelle social call 1 05-08-17 00:09 Soprano pipistrelle 1 05-08-17 00:14 Common pipistrelle 1 05-08-17 00:29 Social 1 05-08-17 00:30	04-08-17	23:41	Common pipistrelle	1
04-08-17 23:47 Common pipistrelle 1 04-08-17 23:50 Soprano pipistrelle 1 04-08-17 23:53 Soprano pipistrelle social call 1 04-08-17 23:59 Common pipistrelle 1 05-08-17 00:00 Soprano pipistrelle 1 05-08-17 00:04 Soprano pipistrelle 1 05-08-17 00:05 Common pipistrelle social call 1 05-08-17 00:05 Common pipistrelle 1 05-08-17 00:06 Common pipistrelle 1 05-08-17 00:06 Common pipistrelle 1 05-08-17 00:06 Common pipistrelle social call 1 05-08-17 00:09 Soprano pipistrelle social call 1 05-08-17 00:09 Soprano pipistrelle 1 05-08-17 00:014 Common pipistrelle 1 05-08-17 00:20 Common pipistrelle 1 05-08-17 00:30 Common pipistrelle 1	04-08-17	23:45	Soprano pipistrelle social call	1
04-08-17 23:50 Soprano pipistrelle 1 04-08-17 23:53 Soprano pipistrelle social call 1 04-08-17 23:59 Common pipistrelle 1 05-08-17 00:00 Soprano pipistrelle 1 05-08-17 00:02 Soprano pipistrelle 1 05-08-17 00:04 Soprano pipistrelle 1 05-08-17 00:05 Common pipistrelle 1 05-08-17 00:05 Common pipistrelle 1 05-08-17 00:06 Common pipistrelle 1 05-08-17 00:09 Soprano pipistrelle social call 1 05-08-17 00:09 Soprano pipistrelle social call 1 05-08-17 00:09 Soprano pipistrelle 1 05-08-17 00:09 Soprano pipistrelle 1 05-08-17 00:09 Soprano pipistrelle 1 05-08-17 00:20 Common pipistrelle 2 05-08-17 00:29 Social 1 05-08-17	04-08-17	23:46	Common pipistrelle	1
04-08-17 23:50 Soprano pipistrelle 1 04-08-17 23:53 Soprano pipistrelle social call 1 04-08-17 23:59 Common pipistrelle 1 05-08-17 00:00 Soprano pipistrelle 1 05-08-17 00:04 Soprano pipistrelle 1 05-08-17 00:05 Common pipistrelle 1 05-08-17 00:05 Common pipistrelle 1 05-08-17 00:06 Common pipistrelle 1 05-08-17 00:06 Common pipistrelle 1 05-08-17 00:09 Soprano pipistrelle social call 1 05-08-17 00:09 Soprano pipistrelle social call 1 05-08-17 00:09 Soprano pipistrelle 1 05-08-17 00:09 Soprano pipistrelle 1 05-08-17 00:014 Common pipistrelle 1 05-08-17 00:20 Common pipistrelle 1 05-08-17 00:30 Common pipistrelle 1 05-08-17 </td <td>04-08-17</td> <td>23:47</td> <td></td> <td>1</td>	04-08-17	23:47		1
04-08-17 23:53 Soprano pipistrelle social call 1 04-08-17 23:59 Common pipistrelle 1 05-08-17 00:00 Soprano pipistrelle 1 05-08-17 00:02 Soprano pipistrelle 1 05-08-17 00:05 Common pipistrelle social call 1 05-08-17 00:05 Common pipistrelle 1 05-08-17 00:05 Common pipistrelle 1 05-08-17 00:06 Common pipistrelle 1 05-08-17 00:09 Soprano pipistrelle social call 1 05-08-17 00:09 Soprano pipistrelle 1 05-08-17 00:14 Common pipistrelle 1 05-08-17 00:20 Common pipistrelle 2 05-08-17 00:29 Social 1 05-08-17 00:30 Common pipistrelle 1 05-08-17 00:31 Common pipistrelle 1 05-08-17 00:33 Common pipistrelle 1 05-08-17	04-08-17	23:50		1
04-08-17 23:59 Common pipistrelle 1 05-08-17 00:00 Soprano pipistrelle 1 05-08-17 00:02 Soprano pipistrelle 1 05-08-17 00:04 Soprano pipistrelle 1 05-08-17 00:05 Common pipistrelle social call 1 05-08-17 00:06 Common pipistrelle 1 05-08-17 00:09 Soprano pipistrelle 1 05-08-17 00:14 Common pipistrelle 1 05-08-17 00:20 Common pipistrelle 2 05-08-17 00:30 Common pipistrelle 1 05-08-17 00:31 Common pipistrelle 1 05-08-17 00:33 Common pipistrelle social call 1 05-08-17 00:33 Common pipistrelle 1 05-08-17 <t< td=""><td>04-08-17</td><td></td><td></td><td>1</td></t<>	04-08-17			1
05-08-17 00:00 Soprano pipistrelle 1 05-08-17 00:02 Soprano pipistrelle 1 05-08-17 00:04 Soprano pipistrelle 1 05-08-17 00:05 Common pipistrelle social call 1 05-08-17 00:06 Common pipistrelle 1 05-08-17 00:09 Soprano pipistrelle social call 1 05-08-17 00:09 Soprano pipistrelle 1 05-08-17 00:09 Soprano pipistrelle 1 05-08-17 00:09 Soprano pipistrelle 1 05-08-17 00:14 Common pipistrelle 1 05-08-17 00:20 Common pipistrelle 2 05-08-17 00:29 Social 1 05-08-17 00:30 Common pipistrelle 1 05-08-17 00:31 Common pipistrelle social call 1 05-08-17 00:33 Common pipistrelle 1 05-08-17 00:38 Common pipistrelle 1 05-08-17 <t< td=""><td>04-08-17</td><td>23:59</td><td></td><td>1</td></t<>	04-08-17	23:59		1
05-08-17 00:02 Soprano pipistrelle 1 05-08-17 00:04 Soprano pipistrelle 1 05-08-17 00:05 Common pipistrelle social call 1 05-08-17 00:06 Common pipistrelle 1 05-08-17 00:09 Soprano pipistrelle social call 1 05-08-17 00:09 Soprano pipistrelle social call 1 05-08-17 00:09 Soprano pipistrelle 1 05-08-17 00:09 Soprano pipistrelle 1 05-08-17 00:14 Common pipistrelle 1 05-08-17 00:20 Common pipistrelle 2 05-08-17 00:29 Social 1 05-08-17 00:30 Common pipistrelle 1 05-08-17 00:31 Common pipistrelle 1 05-08-17 00:33 Common pipistrelle 1 05-08-17 00:38 Common pipistrelle 1 05-08-17 00:39 Common pipistrelle 1 05-08-17 <td< td=""><td></td><td></td><td></td><td>1</td></td<>				1
05-08-17 00:04 Soprano pipistrelle 1 05-08-17 00:05 Common pipistrelle social call 1 05-08-17 00:06 Common pipistrelle 1 05-08-17 00:09 Soprano pipistrelle social call 1 05-08-17 00:09 Soprano pipistrelle social call 1 05-08-17 00:09 Soprano pipistrelle 1 05-08-17 00:09 Soprano pipistrelle 1 05-08-17 00:14 Common pipistrelle 1 05-08-17 00:20 Common pipistrelle 2 05-08-17 00:29 Social 1 05-08-17 00:30 Common pipistrelle 1 05-08-17 00:31 Common pipistrelle 1 05-08-17 00:33 Common pipistrelle 1 05-08-17 00:37 Soprano pipistrelle 1 05-08-17 00:38 Common pipistrelle 1 05-08-17 00:41 Common pipistrelle social call 1 05-08-17				
05-08-17 00:05 Common pipistrelle social call 1 05-08-17 00:05 Common pipistrelle 1 05-08-17 00:06 Common pipistrelle 1 05-08-17 00:09 Soprano pipistrelle social call 1 05-08-17 00:09 Soprano pipistrelle 1 05-08-17 00:14 Common pipistrelle 1 05-08-17 00:20 Common pipistrelle 2 05-08-17 00:29 Social 1 05-08-17 00:30 Common pipistrelle 1 05-08-17 00:31 Common pipistrelle 1 05-08-17 00:33 Common pipistrelle social call 1 05-08-17 00:33 Common pipistrelle 1 05-08-17 00:38 Common pipistrelle 1 05-08-17 00:39 Common pipistrelle social call 1 05-08-17 00:41 Common pipistrelle 1 05-08-17 00:48 Soprano pipistrelle social call 1 05-0				
05-08-17 00:05 Common pipistrelle 1 05-08-17 00:06 Common pipistrelle 1 05-08-17 00:09 Soprano pipistrelle social call 1 05-08-17 00:09 Soprano pipistrelle 1 05-08-17 00:14 Common pipistrelle 1 05-08-17 00:20 Common pipistrelle 2 05-08-17 00:29 Social 1 05-08-17 00:30 Common pipistrelle 1 05-08-17 00:31 Common pipistrelle 1 05-08-17 00:31 Common pipistrelle social call 1 05-08-17 00:33 Common pipistrelle 1 05-08-17 00:38 Common pipistrelle 1 05-08-17 00:39 Common pipistrelle social call 1 05-08-17 00:41 Common pipistrelle social call 1 05-08-17 00:48 Soprano pipistrelle social call 1 05-08-17 00:51 Soprano pipistrelle social call 2				
05-08-17 00:06 Common pipistrelle 1 05-08-17 00:09 Soprano pipistrelle social call 1 05-08-17 00:09 Soprano pipistrelle 1 05-08-17 00:14 Common pipistrelle 1 05-08-17 00:20 Common pipistrelle 2 05-08-17 00:39 Social 1 05-08-17 00:30 Common pipistrelle 1 05-08-17 00:31 Common pipistrelle 1 05-08-17 00:33 Common pipistrelle social call 1 05-08-17 00:33 Common pipistrelle 1 05-08-17 00:38 Common pipistrelle 1 05-08-17 00:39 Common pipistrelle social call 1 05-08-17 00:41 Common pipistrelle social call 1 05-08-17 00:48 Soprano pipistrelle social call 1 05-08-17 00:51 Soprano pipistrelle social call 1 05-08-17 00:52 Social 1 05-				
05-08-17 00:09 Soprano pipistrelle social call 1 05-08-17 00:09 Soprano pipistrelle 1 05-08-17 00:14 Common pipistrelle 1 05-08-17 00:20 Common pipistrelle 2 05-08-17 00:29 Social 1 05-08-17 00:30 Common pipistrelle 1 05-08-17 00:31 Common pipistrelle 1 05-08-17 00:33 Common pipistrelle social call 1 05-08-17 00:37 Soprano pipistrelle 1 05-08-17 00:38 Common pipistrelle 1 05-08-17 00:39 Common pipistrelle social call 1 05-08-17 00:41 Common pipistrelle social call 1 05-08-17 00:48 Soprano pipistrelle social call 1 05-08-17 00:49 Soprano pipistrelle social call 2 05-08-17 00:51 Soprano pipistrelle social call 1 05-08-17 00:55 Soprano pipistrelle 1 <td></td> <td></td> <td>• •</td> <td></td>			• •	
05-08-17 00:09 Soprano pipistrelle 1 05-08-17 00:14 Common pipistrelle 1 05-08-17 00:20 Common pipistrelle 2 05-08-17 00:29 Social 1 05-08-17 00:30 Common pipistrelle 1 05-08-17 00:31 Common pipistrelle 1 05-08-17 00:33 Common pipistrelle social call 1 05-08-17 00:37 Soprano pipistrelle 1 05-08-17 00:38 Common pipistrelle 1 05-08-17 00:39 Common pipistrelle social call 1 05-08-17 00:41 Common pipistrelle 1 05-08-17 00:48 Soprano pipistrelle social call 1 05-08-17 00:51 Soprano pipistrelle social call 2 05-08-17 00:52 Social 1 05-08-17 00:55 Soprano pipistrelle social call 1 05-08-17 00:57 Soprano pipistrelle 1 05-08-17		ļ	' '	
05-08-17 00:14 Common pipistrelle 1 05-08-17 00:20 Common pipistrelle 2 05-08-17 00:39 Social 1 05-08-17 00:31 Common pipistrelle 1 05-08-17 00:33 Common pipistrelle social call 1 05-08-17 00:33 Common pipistrelle 1 05-08-17 00:37 Soprano pipistrelle 1 05-08-17 00:38 Common pipistrelle 1 05-08-17 00:39 Common pipistrelle social call 1 05-08-17 00:41 Common pipistrelle social call 1 05-08-17 00:48 Soprano pipistrelle social call 1 05-08-17 00:49 Soprano pipistrelle social call 2 05-08-17 00:51 Soprano pipistrelle social call 1 05-08-17 00:52 Social 1 05-08-17 00:57 Soprano pipistrelle 1 05-08-17 00:58 Common pipistrelle social call 1				
05-08-17 00:20 Common pipistrelle 2 05-08-17 00:29 Social 1 05-08-17 00:30 Common pipistrelle 1 05-08-17 00:31 Common pipistrelle 1 05-08-17 00:33 Common pipistrelle social call 1 05-08-17 00:37 Soprano pipistrelle 1 05-08-17 00:38 Common pipistrelle 1 05-08-17 00:39 Common pipistrelle social call 1 05-08-17 00:41 Common pipistrelle 1 05-08-17 00:48 Soprano pipistrelle social call 1 05-08-17 00:49 Soprano pipistrelle social call 2 05-08-17 00:51 Soprano pipistrelle social call 1 05-08-17 00:52 Social 1 05-08-17 00:55 Soprano pipistrelle 1 05-08-17 00:58 Common pipistrelle 1 05-08-17 00:59 Soprano pipistrelle social call 1 0				
05-08-17 00:29 Social 1 05-08-17 00:30 Common pipistrelle 1 05-08-17 00:31 Common pipistrelle 1 05-08-17 00:33 Common pipistrelle social call 1 05-08-17 00:37 Soprano pipistrelle 1 05-08-17 00:38 Common pipistrelle 1 05-08-17 00:39 Common pipistrelle social call 1 05-08-17 00:41 Common pipistrelle 1 05-08-17 00:48 Soprano pipistrelle social call 1 05-08-17 00:49 Soprano pipistrelle 1 05-08-17 00:51 Soprano pipistrelle social call 2 05-08-17 00:52 Social 1 05-08-17 00:55 Soprano pipistrelle 1 05-08-17 00:55 Soprano pipistrelle 1 05-08-17 00:59 Soprano pipistrelle social call 1 05-08-17 00:59 Soprano pipistrelle social call 1 <td< td=""><td></td><td></td><td></td><td></td></td<>				
05-08-17 00:30 Common pipistrelle 1 05-08-17 00:31 Common pipistrelle 1 05-08-17 00:33 Common pipistrelle social call 1 05-08-17 00:37 Soprano pipistrelle 1 05-08-17 00:38 Common pipistrelle 1 05-08-17 00:39 Common pipistrelle social call 1 05-08-17 00:41 Common pipistrelle social call 1 05-08-17 00:48 Soprano pipistrelle social call 1 05-08-17 00:49 Soprano pipistrelle social call 2 05-08-17 00:51 Soprano pipistrelle social call 2 05-08-17 00:52 Social 1 05-08-17 00:55 Soprano pipistrelle 1 05-08-17 00:58 Common pipistrelle 1 05-08-17 00:59 Soprano pipistrelle social call 1 05-08-17 00:59 Soprano pipistrelle 2 05-08-17 01:00 Social 1				
05-08-17 00:31 Common pipistrelle 1 05-08-17 00:33 Common pipistrelle social call 1 05-08-17 00:37 Soprano pipistrelle 1 05-08-17 00:38 Common pipistrelle 1 05-08-17 00:39 Common pipistrelle social call 1 05-08-17 00:41 Common pipistrelle 1 05-08-17 00:48 Soprano pipistrelle social call 1 05-08-17 00:49 Soprano pipistrelle social call 2 05-08-17 00:51 Soprano pipistrelle social call 2 05-08-17 00:52 Social 1 05-08-17 00:55 Soprano pipistrelle social call 1 05-08-17 00:57 Soprano pipistrelle 1 05-08-17 00:59 Soprano pipistrelle social call 1 05-08-17 00:59 Soprano pipistrelle 2 05-08-17 01:00 Social 1 05-08-17 01:00 Social 1 <td< td=""><td></td><td></td><td></td><td></td></td<>				
05-08-17 00:33 Common pipistrelle social call 1 05-08-17 00:37 Soprano pipistrelle 1 05-08-17 00:38 Common pipistrelle 1 05-08-17 00:39 Common pipistrelle social call 1 05-08-17 00:41 Common pipistrelle 1 05-08-17 00:48 Soprano pipistrelle social call 1 05-08-17 00:49 Soprano pipistrelle 1 05-08-17 00:51 Soprano pipistrelle social call 2 05-08-17 00:52 Social 1 05-08-17 00:55 Soprano pipistrelle social call 1 05-08-17 00:58 Common pipistrelle 1 05-08-17 00:59 Soprano pipistrelle social call 1 05-08-17 00:59 Soprano pipistrelle 2 05-08-17 01:00 Social 1 05-08-17 01:02 Common pipistrelle 1		ļ		
05-08-17 00:37 Soprano pipistrelle 1 05-08-17 00:38 Common pipistrelle 1 05-08-17 00:39 Common pipistrelle social call 1 05-08-17 00:41 Common pipistrelle 1 05-08-17 00:48 Soprano pipistrelle social call 1 05-08-17 00:49 Soprano pipistrelle 1 05-08-17 00:51 Soprano pipistrelle social call 2 05-08-17 00:52 Social 1 05-08-17 00:55 Soprano pipistrelle social call 1 05-08-17 00:58 Common pipistrelle 1 05-08-17 00:59 Soprano pipistrelle social call 1 05-08-17 00:59 Soprano pipistrelle social call 1 05-08-17 01:00 Social 1 05-08-17 01:02 Common pipistrelle 1				
05-08-17 00:38 Common pipistrelle 1 05-08-17 00:39 Common pipistrelle social call 1 05-08-17 00:41 Common pipistrelle 1 05-08-17 00:48 Soprano pipistrelle social call 1 05-08-17 00:49 Soprano pipistrelle 1 05-08-17 00:51 Soprano pipistrelle social call 2 05-08-17 00:52 Social 1 05-08-17 00:55 Soprano pipistrelle social call 1 05-08-17 00:57 Soprano pipistrelle 1 05-08-17 00:58 Common pipistrelle 1 05-08-17 00:59 Soprano pipistrelle social call 1 05-08-17 01:00 Social 1 05-08-17 01:00 Social 1 05-08-17 01:02 Common pipistrelle 1				
05-08-17 00:39 Common pipistrelle social call 1 05-08-17 00:41 Common pipistrelle 1 05-08-17 00:48 Soprano pipistrelle social call 1 05-08-17 00:49 Soprano pipistrelle 1 05-08-17 00:51 Soprano pipistrelle social call 2 05-08-17 00:52 Social 1 05-08-17 00:55 Soprano pipistrelle social call 1 05-08-17 00:57 Soprano pipistrelle 1 05-08-17 00:58 Common pipistrelle 1 05-08-17 00:59 Soprano pipistrelle social call 1 05-08-17 01:00 Social 1 05-08-17 01:02 Common pipistrelle 1		ļ		
05-08-17 00:41 Common pipistrelle 1 05-08-17 00:48 Soprano pipistrelle social call 1 05-08-17 00:49 Soprano pipistrelle 1 05-08-17 00:51 Soprano pipistrelle social call 2 05-08-17 00:52 Social 1 05-08-17 00:55 Soprano pipistrelle social call 1 05-08-17 00:57 Soprano pipistrelle 1 05-08-17 00:58 Common pipistrelle 1 05-08-17 00:59 Soprano pipistrelle social call 1 05-08-17 01:00 Social 1 05-08-17 01:02 Common pipistrelle 1				
05-08-17 00:48 Soprano pipistrelle social call 1 05-08-17 00:49 Soprano pipistrelle 1 05-08-17 00:51 Soprano pipistrelle social call 2 05-08-17 00:52 Social 1 05-08-17 00:55 Soprano pipistrelle social call 1 05-08-17 00:57 Soprano pipistrelle 1 05-08-17 00:58 Common pipistrelle 1 05-08-17 00:59 Soprano pipistrelle social call 1 05-08-17 00:59 Soprano pipistrelle 2 05-08-17 01:00 Social 1 05-08-17 01:02 Common pipistrelle 1		ļ	• •	
05-08-17 00:49 Soprano pipistrelle 1 05-08-17 00:51 Soprano pipistrelle social call 2 05-08-17 00:52 Social 1 05-08-17 00:55 Soprano pipistrelle social call 1 05-08-17 00:57 Soprano pipistrelle 1 05-08-17 00:58 Common pipistrelle 1 05-08-17 00:59 Soprano pipistrelle social call 1 05-08-17 00:59 Soprano pipistrelle 2 05-08-17 01:00 Social 1 05-08-17 01:02 Common pipistrelle 1				
05-08-17 00:51 Soprano pipistrelle social call 2 05-08-17 00:52 Social 1 05-08-17 00:55 Soprano pipistrelle social call 1 05-08-17 00:57 Soprano pipistrelle 1 05-08-17 00:58 Common pipistrelle 1 05-08-17 00:59 Soprano pipistrelle social call 1 05-08-17 00:59 Soprano pipistrelle 2 05-08-17 01:00 Social 1 05-08-17 01:02 Common pipistrelle 1				
05-08-17 00:52 Social 1 05-08-17 00:55 Soprano pipistrelle social call 1 05-08-17 00:57 Soprano pipistrelle 1 05-08-17 00:58 Common pipistrelle 1 05-08-17 00:59 Soprano pipistrelle social call 1 05-08-17 00:59 Soprano pipistrelle 2 05-08-17 01:00 Social 1 05-08-17 01:02 Common pipistrelle 1				
05-08-17 00:55 Soprano pipistrelle social call 1 05-08-17 00:57 Soprano pipistrelle 1 05-08-17 00:58 Common pipistrelle 1 05-08-17 00:59 Soprano pipistrelle social call 1 05-08-17 00:59 Soprano pipistrelle 2 05-08-17 01:00 Social 1 05-08-17 01:02 Common pipistrelle 1				2
05-08-17 00:57 Soprano pipistrelle 1 05-08-17 00:58 Common pipistrelle 1 05-08-17 00:59 Soprano pipistrelle social call 1 05-08-17 00:59 Soprano pipistrelle 2 05-08-17 01:00 Social 1 05-08-17 01:02 Common pipistrelle 1	05-08-17	00:52		1
05-08-17 00:58 Common pipistrelle 1 05-08-17 00:59 Soprano pipistrelle social call 1 05-08-17 00:59 Soprano pipistrelle 2 05-08-17 01:00 Social 1 05-08-17 01:02 Common pipistrelle 1		00:55	Soprano pipistrelle social call	
05-08-17 00:59 Soprano pipistrelle social call 1 05-08-17 00:59 Soprano pipistrelle 2 05-08-17 01:00 Social 1 05-08-17 01:02 Common pipistrelle 1	05-08-17	00:57		1
05-08-17 00:59 Soprano pipistrelle 2 05-08-17 01:00 Social 1 05-08-17 01:02 Common pipistrelle 1	05-08-17	00:58	Common pipistrelle	1
05-08-17 01:00 Social 1 05-08-17 01:02 Common pipistrelle 1	05-08-17	00:59	Soprano pipistrelle social call	1
05-08-17 01:02 Common pipistrelle 1	05-08-17	00:59	Soprano pipistrelle	2
1 1	05-08-17	01:00	Social	1
05.00.47	05-08-17	01:02	Common pipistrelle	1
U5-U8-17 U1:U3 Soprano pipistrelle social call 1	05-08-17	01:03	Soprano pipistrelle social call	1

05-08-17	01:04	Soprano pipistrelle	1
05-08-17	01:04	Social	1
05-08-17	01:06	Soprano pipistrelle	1
05-08-17	01:08	Soprano pipistrelle	1
05-08-17	01:16	Soprano pipistrelle	1
05-08-17		Soprano pipistrelle social call	2
	01:17		1
05-08-17	01:19	Common pipistrelle	
05-08-17	01:21	Social	1
05-08-17	01:26	Soprano pipistrelle	1
05-08-17	01:27	Soprano pipistrelle	2
05-08-17	01:28	Soprano pipistrelle	1
05-08-17	01:29	Soprano pipistrelle	2
05-08-17	01:30	Soprano pipistrelle	1
05-08-17	01:31	Soprano pipistrelle social call	1
05-08-17	01:31	Soprano pipistrelle	2
05-08-17	01:32	Soprano pipistrelle social call	2
05-08-17	01:32	Soprano pipistrelle	1
05-08-17	01:33	Soprano pipistrelle social call	1
05-08-17	01:33	Soprano pipistrelle	1
05-08-17	01:34	Soprano pipistrelle	1
05-08-17	01:35	Soprano pipistrelle social call	1
05-08-17	01:35	Soprano pipistrelle	1
05-08-17	01:36	Soprano pipistrelle	1
05-08-17	01:37	Soprano pipistrelle	4
05-08-17	01:38	Soprano pipistrelle	2
05-08-17	01:39	Soprano pipistrelle	3
05-08-17	01:40	Common pipistrelle	2
05-08-17	01:40	Soprano pipistrelle	2
05-08-17	01:41	Common pipistrelle social call	1
05-08-17	01:41	Soprano pipistrelle	2
05-08-17	01:42	Common pipistrelle	1
05-08-17	01:42	Soprano pipistrelle	3
05-08-17	01:43	Soprano pipistrelle	3
05-08-17	01:44	Soprano pipistrelle	1
05-08-17	01:45	Soprano pipistrelle	4
05-08-17	01:46	Soprano pipistrelle	2
05-08-17	01:47	Common pipistrelle	1
05-08-17	01:47	Soprano pipistrelle	1
05-08-17	01:49	Common pipistrelle	2
05-08-17	01:49	Social	1
05-08-17	01:50	Soprano pipistrelle	1
05-08-17	01:54	Soprano pipistrelle	1
05-08-17	01:55	Soprano pipistrelle social call	1
05-08-17	01:56	Soprano pipistrelle	2
05-08-17	01:59	Soprano pipistrelle social call	1
05-08-17	02:03	Soprano pipistrelle social call	1
05-08-17	02:03	Social	1
05-08-17	02:03	Common pipistrelle	2
05-08-17	02:04	Common pipistrelle	2
			4
05-08-17	02:06	Common pipistrelle	
05-08-17	02:07	Common pipistrelle	1

05-08-17	00.00	Common ministralla	
05-08-17	02:08	Common pipistrelle	2
		Soprano pipistrelle	-
05-08-17	02:12	Soprano pipistrelle social call	1
05-08-17	02:13	Common pipistrelle	1
05-08-17	02:15	Myotis	1
05-08-17	02:15	Common pipistrelle	1
05-08-17	02:16	Soprano pipistrelle social call	1
05-08-17	02:18	Soprano pipistrelle social call	1
05-08-17	02:18	Soprano pipistrelle	1
05-08-17	02:21	Soprano pipistrelle social call	1
05-08-17	02:26	Soprano pipistrelle social call	2
05-08-17	02:31	Soprano pipistrelle social call	1
05-08-17	02:36	Common pipistrelle	1
05-08-17	02:45	Social	1
05-08-17	02:46	Soprano pipistrelle social call	1
05-08-17	02:47	Soprano pipistrelle	2
05-08-17	02:51	Common pipistrelle	3
05-08-17	02:52	Common pipistrelle	4
05-08-17	02:53	Common pipistrelle	1
05-08-17	02:55	Common pipistrelle	4
05-08-17	02:55	Soprano pipistrelle	1
05-08-17	02:58	Common pipistrelle	1
05-08-17	02:59	Common pipistrelle	2
05-08-17	03:00	Common pipistrelle	1
05-08-17	03:02	Common pipistrelle	2
05-08-17	03:04	Common pipistrelle	2
05-08-17	03:12	Soprano pipistrelle	1
05-08-17	03:20	Common pipistrelle social call	1
05-08-17	03:37	Common pipistrelle	2
05-08-17	03:49	Common pipistrelle	1
05-08-17	04:04	Soprano pipistrelle	1
05-08-17	04:37	Noctule	1
05-08-17	05:19	Soprano pipistrelle	1
Evening 4			
05-08-17	20:54	Noctule	1
05-08-17	21:07	Soprano pipistrelle	1
05-08-17	21:11	Soprano pipistrelle	1
05-08-17	21:19	Common pipistrelle	1
05-08-17	21:19	Soprano pipistrelle	1
05-08-17	21:20	Common pipistrelle	1
05-08-17	21:22	Soprano pipistrelle	1
05-08-17	21:30	Soprano pipistrelle	1
05-08-17	21:35	Soprano pipistrelle	1
05-08-17	21:36	Noctule	1
05-08-17	21:40	Common pipistrelle	1
05-08-17	21:43	Noctule	1
05-08-17	21:43		1
		Soprano pipistrelle	
05-08-17	21:45	Noctule	1
05-08-17	21:48	Noctule	1
05-08-17	22:06	Noctule	1
05-08-17	22:11	Daubentons	1

05-08-17	22:22	Daubentons	1
05-08-17	22:44		1
05-08-17		Soprano pipistrelle Social	1
	22:46		
05-08-17	22:47	Common pipistrelle	2
05-08-17	22:47	Soprano pipistrelle	1
05-08-17	22:48	Common pipistrelle	3
05-08-17	22:49	Common pipistrelle	2
05-08-17	22:49	Soprano pipistrelle	2
05-08-17	22:50	Soprano pipistrelle social call	1
05-08-17	22:51	Common pipistrelle	1
05-08-17	23:01	Common pipistrelle	1
05-08-17	23:01	Soprano pipistrelle	1
05-08-17	23:05	Common pipistrelle	2
05-08-17	23:07	Common pipistrelle	1
05-08-17	23:13	Soprano pipistrelle social call	1
05-08-17	23:18	Common pipistrelle	1
05-08-17	23:19	Common pipistrelle	1
05-08-17	23:21	Common pipistrelle	1
06-08-17	00:08	Common pipistrelle social call	1
06-08-17	00:08	Daubentons	1
06-08-17	00:28	Soprano pipistrelle social call	1
06-08-17	00:29	Common pipistrelle	1
06-08-17	00:30	Soprano pipistrelle social call	1
06-08-17	00:47	Nathusius pipistrelle	1
06-08-17	00:47	Common pipistrelle	1
06-08-17	01:11	Common pipistrelle	1
06-08-17	01:19	Soprano pipistrelle social call	1
06-08-17	01:22	Common pipistrelle	1
06-08-17	01:24	Soprano pipistrelle	1
06-08-17	02:12	Soprano pipistrelle	1
06-08-17	03:14	Common pipistrelle	1
06-08-17	03:48	Soprano pipistrelle	1
06-08-17	17:09	Noctule	1
Evening 5	11100	1.10013.5	•
06-08-17	21:04	Noctule	1
06-08-17	21:08	Soprano pipistrelle	1
06-08-17	21:17	Noctule	1
06-08-17	21:35	Soprano pipistrelle	1
06-08-17	21:49	Common pipistrelle	1
06-08-17	22:06	Common pipistrelle	1
06-08-17	22:10	Soprano pipistrelle	1
06-08-17	22:12	Soprano pipistrelle	1
06-08-17	22:20	Nyctalus species	1
06-08-17		-	1
	22:20	Soprano pipistrelle	
06-08-17	22:21	Soprano pipistrelle	1
06-08-17	22:22	Common pipistrelle	1
06-08-17	22:25	Common pipistrelle	1
06-08-17	22:25	Soprano pipistrelle	1
06-08-17	22:26	Common pipistrelle	2
06-08-17	22:30	Common pipistrelle	1
06-08-17	22:32	Soprano pipistrelle	1

06-08-17	22.25	Conrona niniatralla	1
	22:35 22:37	Soprano pipistrelle	2
	_	Soprano pipistrelle	
	22:45	Common pipistrelle	1
	22:46	Soprano pipistrelle	2
	22:49	Soprano pipistrelle	1
	22:54	Common pipistrelle	1
	22:57	Social	1
	22:59	Common pipistrelle	3
	22:59	Soprano pipistrelle	1
	23:01	Common pipistrelle	1
	23:02	Common pipistrelle	1
06-08-17	23:02	Soprano pipistrelle	1
	23:03	Common pipistrelle	3
06-08-17	23:04	Soprano pipistrelle social call	1
06-08-17	23:09	Common pipistrelle	2
06-08-17	23:10	Common pipistrelle	1
06-08-17	23:10	Soprano pipistrelle	1
06-08-17	23:11	Soprano pipistrelle social call	1
06-08-17	23:11	Common pipistrelle	2
06-08-17	23:12	Common pipistrelle	2
06-08-17	23:13	Soprano pipistrelle social call	1
06-08-17	23:13	Soprano pipistrelle	1
06-08-17	23:14	Common pipistrelle	1
	23:16	Common pipistrelle	1
	23:19	Soprano pipistrelle social call	1
	23:20	Common pipistrelle	1
	23:21	Soprano pipistrelle social call	1
	23:21	Common pipistrelle	1
	23:25	Soprano pipistrelle social call	 1
	23:27	Soprano pipistrelle social call	_ ·
	23:27	Common pipistrelle	2
	23:28	Soprano pipistrelle social call	1
	23:28	Common pipistrelle	2
	23:29	Common pipistrelle	2
	23:31	Common pipistrelle	2
	23:32	Common pipistrelle	2
		• •	1
	23:33	Common pipistrelle	2
	23:35	Common pipistrelle	2
	23:36	Common pipistrelle	
	23:37	Common pipistrelle	1
	23:40	Common pipistrelle	1
	23:41	Common pipistrelle	1
	23:41	Soprano pipistrelle	1
	23:42	Common pipistrelle	1
	23:43	Common pipistrelle	2
	23:44	Common pipistrelle	1
	23:45	Common pipistrelle	1
	23:47	Common pipistrelle	1
	23:48	Common pipistrelle	3
06-08-17	23:49	Common pipistrelle	4
06-08-17	23:50	Common pipistrelle	3

06-08-17	23:51	Common pipistrelle	1
06-08-17	23:52	Daubentons	1
06-08-17	23:57	Common pipistrelle social call	1
06-08-17	23:57	Common pipistrelle	1
06-08-17	23:58	Common pipistrelle	1
07-08-17		' '	2
	00:00	Common pipistrelle	2
07-08-17	00:01	Common pipistrelle	
07-08-17	00:02	Common pipistrelle	1
07-08-17	00:03	Common pipistrelle	3
07-08-17	00:04	Common pipistrelle	1
07-08-17	00:05	Common pipistrelle	3
07-08-17	00:06	Common pipistrelle	1
07-08-17	00:07	Common pipistrelle	3
07-08-17	00:08	Common pipistrelle	1
07-08-17	00:09	Common pipistrelle	1
07-08-17	00:10	Common pipistrelle	1
07-08-17	00:16	Common pipistrelle social call	1
07-08-17	00:16	Soprano pipistrelle	1
07-08-17	00:20	Common pipistrelle	1
07-08-17	00:21	Soprano pipistrelle social call	1
07-08-17	00:22	Common pipistrelle social call	1
07-08-17	00:23	Common pipistrelle social call	2
07-08-17	00:23	Common pipistrelle	2
07-08-17	00:25	Common pipistrelle	1
07-08-17	00:26	Soprano pipistrelle social call	1
07-08-17	00:26	Common pipistrelle	2
07-08-17	00:26	Soprano pipistrelle	1
07-08-17	00:28	Common pipistrelle social call	2
07-08-17	00:28	Soprano pipistrelle social call	1
07-08-17	00:28	Common pipistrelle	1
07-08-17	00:30	Common pipistrelle social call	2
07-08-17	00:30	Common pipistrelle	1
07-08-17	00:32	Common pipistrelle	2
07-08-17	00:34	Common pipistrelle	1
07-08-17	00:36	Common pipistrelle	3
07-08-17	00:37	Common pipistrelle	2
07-08-17	00:38	Common pipistrelle	2
07-08-17	00:38	Soprano pipistrelle	1
07-08-17	00:39	Common pipistrelle	3
07-08-17	00:40	Common pipistrelle	1
07-08-17	00:41	Soprano pipistrelle social call	1
07-08-17	00:42	Common pipistrelle	1
07-08-17	00:42	Soprano pipistrelle	1
07-08-17	00:43	Social	1
07-08-17	00:44	Common pipistrelle	2
07-08-17	00:45	Common pipistrelle	2
07-08-17	00:47	Common pipistrelle	1
07-08-17	00:48	Soprano pipistrelle social call	1
07-08-17	00:50	Soprano pipistrelle social call	1
07-08-17	00:52	Common pipistrelle	1
07-08-17	00:52	Common pipistrelle social call	2
07-00-17	00.55	Common pipistrelle social call	

07-08-17	00.52	Conrono piniatrollo	1
07-08-17	00:53	Soprano pipistrelle	1
		Common pipistrelle	·
07-08-17	00:56	Common pipistrelle	3
07-08-17	00:56	Soprano pipistrelle	1
07-08-17	00:57	Common pipistrelle	3
07-08-17	00:58	Soprano pipistrelle social call	1
07-08-17	00:58	Common pipistrelle	1
07-08-17	00:59	Common pipistrelle	3
07-08-17	01:00	Common pipistrelle	3
07-08-17	01:01	Soprano pipistrelle social call	1
07-08-17	01:01	Common pipistrelle	2
07-08-17	01:02	Common pipistrelle	3
07-08-17	01:04	Common pipistrelle	2
07-08-17	01:04	Soprano pipistrelle	1
07-08-17	01:05	Common pipistrelle	1
07-08-17	01:06	Soprano pipistrelle social call	1
07-08-17	01:06	Common pipistrelle	1
07-08-17	01:09	Soprano pipistrelle social call	1
07-08-17	01:10	Social	1
07-08-17	01:11	Social	1
07-08-17	01:14	Soprano pipistrelle social call	2
07-08-17	01:15	Soprano pipistrelle social call	1
07-08-17	01:17	Soprano pipistrelle social call	1
07-08-17	01:17	Common pipistrelle	1
07-08-17	01:18	Soprano pipistrelle social call	1
07-08-17	01:20	Soprano pipistrelle social call	2
07-08-17	01:22	Soprano pipistrelle	1
07-08-17	01:22	Social	1
07-08-17	01:23	Soprano pipistrelle	1
07-08-17	01:24	Soprano pipistrelle	3
07-08-17	01:24	Social	1
07-08-17	01:25	Soprano pipistrelle social call	1
07-08-17	01:25	Soprano pipistrelle	2
07-08-17	01:26	Soprano pipistrelle	3
07-08-17	01:27	Soprano pipistrelle	4
07-08-17	01:28	Soprano pipistrelle social call	1
07-08-17	01:28	Soprano pipistrelle	2
07-08-17	01:29	Soprano pipistrelle	3
07-08-17	01:30	Soprano pipistrelle social call	1
07-08-17	01:30	Soprano pipistrelle	1
07-08-17	01:31	Soprano pipistrelle	2
07-08-17	01:32		3
		Soprano pipistrelle	3
07-08-17	01:33	Soprano pipistrelle	
07-08-17	01:34	Common pipistrelle	2
07-08-17	01:34	Soprano pipistrelle	2
07-08-17	01:35	Common pipistrelle social call	1
07-08-17	01:35	Soprano pipistrelle social call	1
07-08-17	01:35	Common pipistrelle	1
07-08-17	01:35	Soprano pipistrelle	2
07-08-17	01:35	Social	1
07-08-17	01:36	Soprano pipistrelle social call	1

07-08-17	01:36	Common pipistrelle	2
07-08-17	01:36	Soprano pipistrelle	2
07-08-17	01:36	Social	1
07-08-17	01:37	Soprano pipistrelle social call	1
07-08-17	01:37	Daubentons	1
07-08-17	01:37		1
		Soprano pipistrelle	1
07-08-17	01:39	Common pipistrelle	
07-08-17	01:45	Common pipistrelle	2
07-08-17	01:46	Common pipistrelle	1
07-08-17	01:47	Common pipistrelle	1
07-08-17	01:48	Soprano pipistrelle social call	1
07-08-17	01:50	Common pipistrelle social call	1
07-08-17	02:03	Common pipistrelle	1
07-08-17	02:11	Common pipistrelle	2
07-08-17	02:14	Common pipistrelle	2
07-08-17	02:15	Common pipistrelle	1
07-08-17	02:16	Social	2
07-08-17	02:19	Soprano pipistrelle social call	1
07-08-17	02:19	Soprano pipistrelle	1
07-08-17	02:20	Soprano pipistrelle social call	2
07-08-17	02:46	Soprano pipistrelle social call	1
07-08-17	02:47	Soprano pipistrelle	1
07-08-17	03:15	Soprano pipistrelle social call	1
07-08-17	03:27	Social	1
07-08-17	03:31	Social	1
07-08-17	03:35	Soprano pipistrelle	1
07-08-17	03:37	Social	1
07-08-17	03:40	Soprano pipistrelle social call	1
07-08-17	03:41	Soprano pipistrelle	3
07-08-17	03:42	Soprano pipistrelle	3
07-08-17	03:43	Soprano pipistrelle	3
07-08-17	03:44	Soprano pipistrelle	3
07-08-17	03:45	Soprano pipistrelle	1
07-08-17	03:57	Soprano pipistrelle social call	3
07-08-17	03:57	Soprano pipistrelle	1
07-08-17	03:58	Soprano pipistrelle social call	1
07-08-17	03:58	Social	1
07-08-17	03:59	Soprano pipistrelle	1
07-08-17	04:01	Soprano pipistrelle	2
07-08-17	04:02	Soprano pipistrelle	4
07-08-17	04:04	Soprano pipistrelle social call	1
07-08-17	04:04	Soprano pipistrelle	2
07-08-17	04:05	Soprano pipistrelle	1
07-08-17	04:05	Social	1
07-08-17	04:06	Soprano pipistrelle social call	1
07-08-17	04:06	Soprano pipistrelle	1
07-08-17	04:07	Soprano pipistrelle social call	1
07-08-17	04:07	Soprano pipistrelle	2
07-08-17	04:07	Common pipistrelle	1
07-08-17	04:45	Common pipistrelle	4
07-08-17	04:45		1
07-00-17	04.49	Common pipistrelle	1

Static Detector Recordings of the Tree at Shepherd Meadows on the 8th – 12th June 2017

Date	Time	Species	Number of data files
Evening 1			
08-06-17	21:34	Noctule	1
08-06-17	21:35	Noctule	2
08-06-17	21:36	Noctule	3
08-06-17	21:37	Noctule	2
08-06-17	21:48	Soprano pipistrelle	1
08-06-17	23:25	Soprano pipistrelle	1
09-06-17	02:13	Common pipistrelle	1
09-06-17	02:36	Common pipistrelle	1
09-06-17	02:41	Common pipistrelle	1
09-06-17	02:55	Common pipistrelle	1
Evening 2			
09-06-17	21:34	Noctule	1
09-06-17	21:50	Noctule	1
09-06-17	21:51	Noctule	2
09-06-17	21:54	Noctule	1
09-06-17	22:15	Noctule	1
10-06-17	00:00	Common pipistrelle	1
10-06-17	00:03	Common pipistrelle	2
10-06-17	00:23	Common pipistrelle	1
10-06-17	00:24	Common pipistrelle	1
10-06-17	00:33	Soprano pipistrelle	1
10-06-17	00:34	Common pipistrelle	1
10-06-17	00:35	Common pipistrelle	1
10-06-17	00:45	Common pipistrelle	1
10-06-17	00:49	Soprano pipistrelle	1
10-06-17	01:42		1
10-06-17	01:48	Soprano pipistrelle Common pipistrelle	1
10-06-17	01:48	Common pipistrelle	2
10-06-17	01:49		2
10-06-17		Soprano pipistrelle Common pipistrelle	1
	02:09	' '	
10-06-17	02:11	Common pipistrelle	1
10-06-17	02:14	Soprano pipistrelle	
10-06-17	02:44	Soprano pipistrelle	1
10-06-17	04:03	Common pipistrelle	
10-06-17	04:08	Soprano pipistrelle	1
Evening 3	1 00 00		T 4
10-06-17	22:08	Noctule	1
10-06-17	22:51	Soprano pipistrelle	1
10-06-17	23:01	Common pipistrelle	1
11-06-17	00:05	Common pipistrelle	1
11-06-17	00:27	Common pipistrelle	1
11-06-17	00:29	Common pipistrelle	1
11-06-17	00:50	Common pipistrelle	1
11-06-17	00:56	Common pipistrelle	1
11-06-17	01:03	Soprano pipistrelle	2
11-06-17	01:06	Soprano pipistrelle	1
11-06-17	01:10	Common pipistrelle	3

44.00.47	04.40		
11-06-17	01:13	Soprano pipistrelle	1
11-06-17	01:16	Common pipistrelle	1
11-06-17	01:23	Common pipistrelle	1
11-06-17	01:24	Common pipistrelle	2
11-06-17	01:28	Common pipistrelle	1
11-06-17	01:29	Common pipistrelle	1
11-06-17	01:34	Soprano pipistrelle	1
11-06-17	01:50	Common pipistrelle	1
11-06-17	02:02	Common pipistrelle	1
11-06-17	02:03	Common pipistrelle	1
11-06-17	02:05	Common pipistrelle	1
11-06-17	02:07	Common pipistrelle	1
11-06-17	02:08	Common pipistrelle	1
11-06-17	02:16	Common pipistrelle	1
11-06-17	02:20	Common pipistrelle	1
11-06-17	02:29	Common pipistrelle	1
11-06-17	02:33	Common pipistrelle	1
11-06-17	02:46	Soprano pipistrelle	1
11-06-17	02:48	Common pipistrelle	1
11-06-17	02:59	Common pipistrelle	1
11-06-17	03:00	Common pipistrelle	1
11-06-17	04:05	Noctule	2
11-06-17	04:14	Noctule	1
11-06-17	04:29	Noctule	1
Evening 4	04.20	reotale	1
11-06-17	21:53	Noctule	1
11-06-17	22:20	Common pipistrelle	1
11-06-17	22:27	Common pipistrelle	1
11-06-17	22:28	Common pipistrelle	1
11-06-17	22:39	Soprano pipistrelle	1
11-06-17	22:42	Common pipistrelle	1
11-06-17	22:43	Common pipistrelle	1
11-06-17	22:45	Soprano pipistrelle	2
11-06-17	22:49	Soprano pipistrelle	1
11-06-17	22:52	Common pipistrelle	1
11-06-17		Soprano pipistrelle	1
11-06-17	22:52		1
	22:56	Common pipistrelle Soprano pipistrelle	1
11-06-17	23:06	' '	
11-06-17	23:12	Soprano pipistrelle	1
11-06-17	23:19	Common pipistrelle	1
11-06-17	23:21	Soprano pipistrelle	1
11-06-17	23:31	Common pipistrelle	1
11-06-17	23:38	Soprano pipistrelle social call	1
11-06-17	23:38	Common pipistrelle	1
11-06-17	23:38	Soprano pipistrelle	1
11-06-17	23:49	Soprano pipistrelle	1
12-06-17	00:05	Common pipistrelle	1
12-06-17	00:11	Soprano pipistrelle	1
12-06-17	00:19	Common pipistrelle	2
12-06-17	00:27	Common pipistrelle	1
12-06-17	00:30	Common pipistrelle	2
			· · · · · · · · · · · · · · · · · · ·

12-06-17	00:33	Social	1
12-06-17	00:36	Common pipistrelle	1
12-06-17	00:36	Soprano pipistrelle	1
12-06-17	00:40	Common pipistrelle	1
12-06-17	00:40	Common pipistrelle	1
12-06-17		• •	2
	00:48	Common pipistrelle	1
12-06-17	00:49	Common pipistrelle	
12-06-17	00:50	Common pipistrelle	1
12-06-17	00:53	Common pipistrelle	2
12-06-17	00:54	Common pipistrelle	2
12-06-17	00:56	Common pipistrelle	1
12-06-17	00:58	Common pipistrelle	1
12-06-17	01:01	Common pipistrelle	1
12-06-17	01:02	Common pipistrelle	2
12-06-17	01:08	Common pipistrelle	1
12-06-17	01:12	Common pipistrelle	1
12-06-17	01:20	Common pipistrelle	1
12-06-17	01:23	Common pipistrelle	1
12-06-17	01:25	Common pipistrelle	1
12-06-17	01:29	Common pipistrelle	1
12-06-17	01:33	Social	1
12-06-17	01:36	Soprano pipistrelle	1
12-06-17	01:45	Soprano pipistrelle	1
12-06-17	01:50	Common pipistrelle	1
12-06-17	01:51	Common pipistrelle	1
12-06-17	01:52	Common pipistrelle	1
12-06-17	01:53	Common pipistrelle	1
12-06-17	01:54	Common pipistrelle	1
12-06-17	01:57	Common pipistrelle	1
12-06-17	02:02	Common pipistrelle	1
12-06-17	02:06	Common pipistrelle	1
12-06-17	02:10	Common pipistrelle	1
12-06-17	02:12	Common pipistrelle	1
12-06-17	02:14	Common pipistrelle	2
12-06-17	02:16	Common pipistrelle	1
12-06-17	02:19	Common pipistrelle	2
12-06-17	02:22	Common pipistrelle	1
12-06-17	02:23	Common pipistrelle	2
12-06-17	02:25	Common pipistrelle	3
12-06-17	02:28	Common pipistrelle	1
12-06-17	02:29	Common pipistrelle	1
12-06-17	02:30	Common pipistrelle	2
12-06-17	02:31	Common pipistrelle	1
12-06-17			1
	02:32	Common pipistrelle	
12-06-17	02:33	Common pipistrelle	1
12-06-17	02:36	Common pipistrelle	2
12-06-17	02:37	Common pipistrelle	1
12-06-17	02:39	Common pipistrelle	1
12-06-17	02:39	Soprano pipistrelle	1
12-06-17	02:40	Common pipistrelle	1
12-06-17	02:41	Common pipistrelle	1

12-06-17	02:42	Common pipistrelle	1
12-06-17	02:43	Common pipistrelle	1
12-06-17	02:45	Common pipistrelle	1
12-06-17	02:45	Soprano pipistrelle	1
12-06-17	02:47	Common pipistrelle	1
12-06-17	02:53	Common pipistrelle	1
12-06-17	02:55	Common pipistrelle	1
12-06-17	02:56	Common pipistrelle	1
12-06-17	02:57	Soprano pipistrelle	1
12-06-17	03:00	Common pipistrelle	2
12-06-17	03:01	Common pipistrelle	1
12-06-17	03:02	Soprano pipistrelle	2
12-06-17	03:04	Common pipistrelle	1
12-06-17	03:05	Common pipistrelle	2
12-06-17	03:08	Common pipistrelle	1
12-06-17	03:10	Common pipistrelle	2
12-06-17	03:15	Common pipistrelle	2
12-06-17	03:16	Common pipistrelle	1
12-06-17	03:21	Common pipistrelle	1
12-06-17	03:23	Common pipistrelle	1
12-06-17	03:32	Common pipistrelle	2
12-06-17	03:37	Common pipistrelle	1
12-06-17	03:39	Common pipistrelle	1
12-06-17	03:54	Common pipistrelle	1
12-06-17	03:54	Soprano pipistrelle	1
12-06-17	04:00	Common pipistrelle	2
12-06-17	04:01	Common pipistrelle	1
12-06-17	04:03	Common pipistrelle	1
12-06-17	04:08	Common pipistrelle	1
12-06-17	04:09	Common pipistrelle	1
Evening 5			
12-06-17	21:42	Soprano pipistrelle	2
12-06-17	21:45	Noctule	1
12-06-17	21:48	Noctule	1
12-06-17	21:52	Noctule	1
12-06-17	21:58	Noctule	1
12-06-17	22:06	Soprano pipistrelle	1
12-06-17	22:38	Noctule	1
12-06-17	23:44	Noctule	1
12-06-17	23:55	Soprano pipistrelle	1
13-06-17	02:08	Myotis species	1
	•		•

Static Detector Recordings of the Tree at Shepherd Meadows on the 27th June – 1st July 2017

Date	Time	Species	Number of data files
Evening 1			
28-06-17	01:30	Myotis species	1
28-06-17	01:48	Noctule	1
28-06-17	02:41	Myotis species	1
28-06-17	03:41	Noctule	2
28-06-17	04:01	Myotis species	1

28-06-17	04:06	Noctule	1
28-06-17	04:06 04:13	Noctule	1
28-06-17	04:32	Noctule Noctule	1
28-06-17	04:47		1
28-06-17	04:48	Noctule	1
Evening 2	04.40	Nestula	4
28-06-17	21:43	Noctule	1
28-06-17	21:44	Noctule	1
28-06-17	21:50	Noctule	1
28-06-17	21:51	Noctule	1
28-06-17	21:57	Noctule	1
28-06-17	22:01	Noctule	1
28-06-17	22:05	Noctule	1
28-06-17	22:05	Soprano pipistrelle	1
28-06-17	22:06	Common pipistrelle	1
28-06-17	22:41	Noctule	1
28-06-17	22:56	Soprano pipistrelle	1
28-06-17	23:16	Soprano pipistrelle	1
28-06-17	23:38	Soprano pipistrelle	1
28-06-17	23:42	Soprano pipistrelle	1
29-06-17	00:24	Soprano pipistrelle	1
29-06-17	00:42	Myotis species	1
29-06-17	00:56	Common pipistrelle	1
29-06-17	00:58	Common pipistrelle	1
29-06-17	01:02	Common pipistrelle	1
29-06-17	02:26	Myotis species	1
29-06-17	04:17	Noctule	1
29-06-17	04:22	Noctule	1
29-06-17	04:26	Noctule	1
29-06-17	04:35	Noctule	1
29-06-17	04:38	Noctule	1
Evening 3			
29-06-17	21:31	Noctule	1
29-06-17	21:34	Noctule	1
29-06-17	22:04	Soprano pipistrelle	1
29-06-17	22:10	Noctule	2
29-06-17	22:23	Noctule	1
29-06-17	22:39	Myotis species	1
29-06-17	22:40	Myotis species	1
30-06-17	01:43	Common pipistrelle	1
30-06-17	01:54	Common pipistrelle	1
30-06-17	01:59	Common pipistrelle	1
30-06-17	02:00	Common pipistrelle	1
30-06-17	02:02	Common pipistrelle	1
30-06-17	02:05	Common pipistrelle	1
30-06-17	02:06	Common pipistrelle	2
30-06-17	02:07	Common pipistrelle	1
30-06-17	02:08	Common pipistrelle	2
30-06-17	02:09	Common pipistrelle	3
30-06-17	02:09	Common pipistrelle	1
30-06-17	02:10	Common pipistrelle	1
30-00-1 <i>1</i>	UZ. 1Z	Common pipistrelle	1

00.00.47	100.40		
30-06-17	02:13	Common pipistrelle	1
30-06-17	02:14	Common pipistrelle	1
30-06-17	02:23	Common pipistrelle	1
30-06-17	02:27	Common pipistrelle	3
30-06-17	02:28	Common pipistrelle	1
30-06-17	02:36	Common pipistrelle	1
30-06-17	02:39	Common pipistrelle	1
30-06-17	02:40	Common pipistrelle	1
30-06-17	02:46	Common pipistrelle	2
30-06-17	02:53	Myotis species	1
30-06-17	02:53	Common pipistrelle	1
30-06-17	02:59	Common pipistrelle	1
30-06-17	03:02	Soprano pipistrelle	1
30-06-17	03:03	Common pipistrelle	1
30-06-17	03:06	Common pipistrelle	1
30-06-17	03:14	Common pipistrelle	1
30-06-17	03:23	Common pipistrelle	2
30-06-17	03:26	Common pipistrelle	1
30-06-17	03:31	Common pipistrelle	2
30-06-17	03:35	Common pipistrelle	1
30-06-17	03:39	Common pipistrelle	1
30-06-17	03:43	Common pipistrelle	2
30-06-17	04:05	Noctule	1
30-06-17	04:06	Common pipistrelle	1
30-06-17	04:39	Noctule	1
JU-UU-11	0 1.00		
Evening 4	1 0 1.00		
	21:30	Noctule	1
Evening 4			1
Evening 4 30-06-17	21:30	Noctule	
Evening 4 30-06-17 30-06-17	21:30 21:46	Noctule Soprano pipistrelle	1
30-06-17 30-06-17 30-06-17	21:30 21:46 23:02	Noctule Soprano pipistrelle Soprano pipistrelle	1
30-06-17 30-06-17 30-06-17 01-07-17	21:30 21:46 23:02 00:04	Noctule Soprano pipistrelle Soprano pipistrelle Myotis species	1 1 1
30-06-17 30-06-17 30-06-17 01-07-17 01-07-17	21:30 21:46 23:02 00:04 00:15	Noctule Soprano pipistrelle Soprano pipistrelle Myotis species Soprano pipistrelle	1 1 1 1
30-06-17 30-06-17 30-06-17 01-07-17 01-07-17	21:30 21:46 23:02 00:04 00:15 01:17	Noctule Soprano pipistrelle Soprano pipistrelle Myotis species Soprano pipistrelle Soprano pipistrelle	1 1 1 1
30-06-17 30-06-17 30-06-17 30-06-17 01-07-17 01-07-17 01-07-17	21:30 21:46 23:02 00:04 00:15 01:17 02:03	Noctule Soprano pipistrelle Soprano pipistrelle Myotis species Soprano pipistrelle Soprano pipistrelle Soprano pipistrelle	1 1 1 1 1
80-06-17 30-06-17 30-06-17 01-07-17 01-07-17 01-07-17 01-07-17	21:30 21:46 23:02 00:04 00:15 01:17 02:03 02:15	Noctule Soprano pipistrelle Soprano pipistrelle Myotis species Soprano pipistrelle Soprano pipistrelle Soprano pipistrelle Soprano pipistrelle Soprano pipistrelle	1 1 1 1 1 1
80-06-17 30-06-17 30-06-17 30-06-17 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17	21:30 21:46 23:02 00:04 00:15 01:17 02:03 02:15 04:33	Noctule Soprano pipistrelle Soprano pipistrelle Myotis species Soprano pipistrelle Soprano pipistrelle Soprano pipistrelle Soprano pipistrelle Noctule	1 1 1 1 1 1 1 1 2
8 Evening 4 30-06-17 30-06-17 30-06-17 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17	21:30 21:46 23:02 00:04 00:15 01:17 02:03 02:15 04:33 04:43	Noctule Soprano pipistrelle Soprano pipistrelle Myotis species Soprano pipistrelle Soprano pipistrelle Soprano pipistrelle Soprano pipistrelle Noctule Noctule	1 1 1 1 1 1 1 1 2
8 2 30-06-17 30-06-17 30-06-17 30-06-17 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17	21:30 21:46 23:02 00:04 00:15 01:17 02:03 02:15 04:33 04:43	Noctule Soprano pipistrelle Soprano pipistrelle Myotis species Soprano pipistrelle Soprano pipistrelle Soprano pipistrelle Soprano pipistrelle Noctule Noctule	1 1 1 1 1 1 1 1 2
8 Evening 4 30-06-17 30-06-17 30-06-17 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17 Evening 5	21:30 21:46 23:02 00:04 00:15 01:17 02:03 02:15 04:33 04:43	Noctule Soprano pipistrelle Soprano pipistrelle Myotis species Soprano pipistrelle Soprano pipistrelle Soprano pipistrelle Soprano pipistrelle Noctule Noctule Noctule	1 1 1 1 1 1 1 1 2 1
Evening 4 30-06-17 30-06-17 30-06-17 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17 Evening 5	21:30 21:46 23:02 00:04 00:15 01:17 02:03 02:15 04:33 04:43 04:46	Noctule Soprano pipistrelle Soprano pipistrelle Myotis species Soprano pipistrelle Soprano pipistrelle Soprano pipistrelle Soprano pipistrelle Noctule Noctule Noctule Common pipistrelle	1 1 1 1 1 1 1 2 1 2
Evening 4 30-06-17 30-06-17 30-06-17 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17	21:30 21:46 23:02 00:04 00:15 01:17 02:03 02:15 04:33 04:43 04:46	Noctule Soprano pipistrelle Soprano pipistrelle Myotis species Soprano pipistrelle Soprano pipistrelle Soprano pipistrelle Soprano pipistrelle Noctule Noctule Noctule Common pipistrelle Noctule Noctule Noctule	1 1 1 1 1 1 1 2 1 2
Evening 4 30-06-17 30-06-17 30-06-17 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17	21:30 21:46 23:02 00:04 00:15 01:17 02:03 02:15 04:33 04:43 04:46	Noctule Soprano pipistrelle Soprano pipistrelle Myotis species Soprano pipistrelle Soprano pipistrelle Soprano pipistrelle Soprano pipistrelle Noctule Noctule Noctule Noctule Noctule Noctule Noctule Noctule Noctule	1 1 1 1 1 1 1 1 2 1 2 1 2
Evening 4 30-06-17 30-06-17 30-06-17 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17 Evening 5 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17	21:30 21:46 23:02 00:04 00:15 01:17 02:03 02:15 04:33 04:43 04:46 22:05 22:12 22:17 22:21	Noctule Soprano pipistrelle Soprano pipistrelle Myotis species Soprano pipistrelle Soprano pipistrelle Soprano pipistrelle Soprano pipistrelle Noctule Noctule Noctule Common pipistrelle Noctule Common pipistrelle Common pipistrelle	1 1 1 1 1 1 1 2 1 2 1 2
Evening 4 30-06-17 30-06-17 30-06-17 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17	21:30 21:46 23:02 00:04 00:15 01:17 02:03 02:15 04:33 04:43 04:46 22:05 22:12 22:17 22:21 22:27 22:31	Noctule Soprano pipistrelle Soprano pipistrelle Myotis species Soprano pipistrelle Soprano pipistrelle Soprano pipistrelle Soprano pipistrelle Noctule Noctule Noctule Common pipistrelle Noctule Common pipistrelle Noctule Noctule Noctule Noctule Noctule Noctule Noctule Noctule Noctule	1 1 1 1 1 1 1 2 1 2 1 2
Evening 4 30-06-17 30-06-17 30-06-17 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17 Evening 5 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17 01-07-17	21:30 21:46 23:02 00:04 00:15 01:17 02:03 02:15 04:33 04:43 04:46 22:05 22:12 22:17 22:21 22:27 22:31 22:49	Noctule Soprano pipistrelle Soprano pipistrelle Myotis species Soprano pipistrelle Soprano pipistrelle Soprano pipistrelle Soprano pipistrelle Soprano pipistrelle Noctule Noctule Noctule Common pipistrelle Noctule Noctule Noctule Soprano pipistrelle Noctule Soprano pipistrelle Noctule Soprano pipistrelle Common pipistrelle Common pipistrelle Soprano pipistrelle	1 1 1 1 1 1 1 2 1 2 1 2 1 1 2
8	21:30 21:46 23:02 00:04 00:15 01:17 02:03 02:15 04:33 04:43 04:46 22:05 22:12 22:17 22:21 22:27 22:31 22:49 22:50	Noctule Soprano pipistrelle Myotis species Soprano pipistrelle Soprano pipistrelle Soprano pipistrelle Soprano pipistrelle Soprano pipistrelle Noctule Noctule Noctule Common pipistrelle Noctule Noctule Soprano pipistrelle	1 1 1 1 1 1 1 1 2 1 2 1 2 1 2
Evening 4 30-06-17 30-06-17 30-06-17 01-07-17	21:30 21:46 23:02 00:04 00:15 01:17 02:03 02:15 04:33 04:43 04:46 22:05 22:12 22:17 22:21 22:27 22:31 22:49 22:50 22:52	Noctule Soprano pipistrelle Soprano pipistrelle Myotis species Soprano pipistrelle Soprano pipistrelle Soprano pipistrelle Soprano pipistrelle Noctule Noctule Noctule Common pipistrelle Noctule Common pipistrelle Soprano pipistrelle Soprano pipistrelle Soprano pipistrelle Common pipistrelle Soprano pipistrelle Soprano pipistrelle Soprano pipistrelle	1 1 1 1 1 1 1 1 2 1 2 1 1 2 1 1 1 1 1 1
Evening 4 30-06-17 30-06-17 30-06-17 01-07-17	21:30 21:46 23:02 00:04 00:15 01:17 02:03 02:15 04:33 04:43 04:46 22:05 22:12 22:17 22:21 22:27 22:31 22:49 22:50 22:52 22:57	Noctule Soprano pipistrelle Myotis species Soprano pipistrelle Soprano pipistrelle Soprano pipistrelle Soprano pipistrelle Soprano pipistrelle Soprano pipistrelle Noctule Noctule Noctule Common pipistrelle Noctule Common pipistrelle Soprano pipistrelle Soprano pipistrelle Common pipistrelle Soprano pipistrelle Noctule Soprano pipistrelle Soprano pipistrelle Soprano pipistrelle Soprano pipistrelle	1 1 1 1 1 1 1 1 2 1 2 1 1 2 1 1 1 1 1 1
8 2 30-06-17 8 30-06-17 8 30-06-17 8 30-06-17 8 30-06-17 8 30-06-17 8 30-06-17 8 30-06-17 8 30-06-17 8 30-06-17 8 30-06-17 8 30-07-17 9 30-07-17 9 30-07-17 9 30-07-17 9 30-07-17 9 30-07-17 9 30-07-17 9 30-07-17 9 30-07-17 9 30-07-17 9 30-07-17 9 30-07-17 9 30-07-17 9 30-07-17 9 30-07-17 9 30-07-17 9 30-07-17 9 30-07-17 9 30-07-17	21:30 21:46 23:02 00:04 00:15 01:17 02:03 02:15 04:33 04:43 04:46 22:05 22:12 22:17 22:21 22:27 22:31 22:49 22:50 22:52 22:57 23:06	Noctule Soprano pipistrelle Myotis species Soprano pipistrelle Soprano pipistrelle Soprano pipistrelle Soprano pipistrelle Soprano pipistrelle Noctule Noctule Noctule Noctule Common pipistrelle Common pipistrelle Soprano pipistrelle Noctule Noctule Noctule Noctule Common pipistrelle Soprano pipistrelle Noctule Common pipistrelle Noctule Soprano pipistrelle Soprano pipistrelle Soprano pipistrelle Common pipistrelle	1 1 1 1 1 1 1 1 1 1 1 1 2 1 1 1 1 1 1 1
Evening 4 30-06-17 30-06-17 30-06-17 01-07-17	21:30 21:46 23:02 00:04 00:15 01:17 02:03 02:15 04:33 04:43 04:46 22:05 22:12 22:17 22:21 22:27 22:31 22:49 22:50 22:52 22:57	Noctule Soprano pipistrelle Myotis species Soprano pipistrelle Soprano pipistrelle Soprano pipistrelle Soprano pipistrelle Soprano pipistrelle Soprano pipistrelle Noctule Noctule Noctule Common pipistrelle Noctule Common pipistrelle Soprano pipistrelle Soprano pipistrelle Common pipistrelle Soprano pipistrelle Noctule Soprano pipistrelle Soprano pipistrelle Soprano pipistrelle Soprano pipistrelle	1 1 1 1 1 1 1 1 2 1 2 1 1 2 1 1 1 1 1 1

01-07-17	23:10	Common pipistrelle	2
01-07-17	23:57	Noctule	1
02-07-17	00:33	Serotine	1
02-07-17	00:34	Soprano pipistrelle	1
02-07-17	00:54	Common pipistrelle	1
02-07-17	00:55	Common pipistrelle	1
02-07-17	01:01	Common pipistrelle	3
02-07-17	01:03	Common pipistrelle	4
02-07-17	01:04	Common pipistrelle	1
02-07-17	01:08	Noctule	1
02-07-17	03:09	Common pipistrelle	2
02-07-17	03:10	Common pipistrelle	1
02-07-17	03:11	Common pipistrelle	2
02-07-17	03:12	Common pipistrelle	1
02-07-17	03:13	Common pipistrelle	1
02-07-17	03:14	Common pipistrelle	3
02-07-17	03:15	Common pipistrelle	1
02-07-17	03:33	Myotis species	1
02-07-17	03:35	Common pipistrelle	1
02-07-17	03:36	Common pipistrelle	1
02-07-17	03:46	Common pipistrelle	1
02-07-17	03:48	Common pipistrelle	1
02-07-17	03:58	Noctule	1
02-07-17	04:07	Noctule	1
02-07-17	04:07	Pipistrelle species	1
02-07-17	04:13	Soprano pipistrelle	1
02-07-17	04:20	Noctule	1
02-07-17	04:29	Soprano pipistrelle	1
02-07-17	04:51	Noctule	1

Static Detector Recordings of the Tree at Shepherd Meadows on the 2nd August – 6th August 2017

Date	Time	Species	Number of data files	
Evening 1				
02-08-17	20:55	Noctule	1	
02-08-17	21:15	Noctule	1	
02-08-17	21:16	Noctule	1	
02-08-17	21:16	Social	1	
02-08-17	21:18	Noctule	1	
02-08-17	21:28	Soprano pipistrelle	1	
02-08-17	21:42	Social	1	
02-08-17	22:01	Common pipistrelle	1	
02-08-17	22:09	Common pipistrelle	1	
02-08-17	22:36	Common pipistrelle	1	
02-08-17	22:38	Social	1	
03-08-17	01:13	Social	1	
03-08-17	01:16	Social	1	
03-08-17	01:18	Social	2	
03-08-17	01:25	Soprano pipistrelle	1	
03-08-17	01:35	Soprano pipistrelle	1	
03-08-17	01:38	Soprano pipistrelle	1	

03-08-17	02:47	Common piniatrolla	14
03-08-17	02:47	Common pipistrelle Social	1
03-08-17	04:17	Soprano pipistrelle	1
03-08-17	04:39	Noctule	1
03-08-17	04:41	Common pipistrelle	1
03-08-17	04:43	Noctule	1
03-08-17	04:55	Common pipistrelle	1
03-08-17	04:57	Common pipistrelle	2
03-08-17	05:04	Noctule	1
03-08-17	05:12	Noctule	1
Evening 2	T = 1 ==		1.
03-08-17	21:07	Noctule	1
03-08-17	21:08	Noctule	3
03-08-17	21:19	Noctule	1
03-08-17	21:41	Social	1
03-08-17	21:49	Social	1
03-08-17	22:03	Soprano pipistrelle	1
03-08-17	22:05	Social	1
03-08-17	22:09	Social	1
03-08-17	22:49	Social	1
03-08-17	23:04	Common pipistrelle	1
03-08-17	23:06	Social	1
03-08-17	23:07	Social	1
03-08-17	23:19	Social	1
03-08-17	23:23	Soprano pipistrelle social call	1
03-08-17	23:23	Social	1
03-08-17	23:38	Soprano pipistrelle social call	1
03-08-17	23:50	Social	1
03-08-17	23:52	Social	1
04-08-17	00:02	Social	1
04-08-17	00:06	Social	1
04-08-17	00:11	Social	1
04-08-17	00:12	Social	1
04-08-17	00:17	Social	1
04-08-17	00:19	Social	1
04-08-17	00:20	Social	3
04-08-17	00:29	Social	1
04-08-17	00:30	Soprano pipistrelle	1
04-08-17	00:32	Social	1
04-08-17	00:38	Social	1
04-08-17	00:40	Social	1
04-08-17	00:42	Social	1
04-08-17	00:46	Social	1
04-08-17	00:51	Pipistrelle species	1
04-08-17	00:53	Common pipistrelle	1
04-08-17	01:14	Social	1
04-08-17	01:14	Social	1
04-08-17		Social	1
04-08-17	01:25 01:26	Social	1
			1
04-08-17	01:28	Soprano pipistrelle	
04-08-17	01:33	Social	1

04-08-17	01:35	Social	1
04-08-17	01:54	Social	1
04-08-17	01:57	Common pipistrelle	1
04-08-17	02:00	Soprano pipistrelle social call	1
04-08-17	02:12	Soprano pipistrelle	1
04-08-17	02:12	Social	1
			1
04-08-17	02:21	Soprano pipistrelle social call	
04-08-17	02:30	Social	1
04-08-17	02:33	Social	1
04-08-17	02:54	Social	1
04-08-17	02:56	Social	1
04-08-17	03:00	Social	1
04-08-17	03:01	Common pipistrelle	1
04-08-17	03:11	Soprano pipistrelle social call	1
04-08-17	03:22	Social	1
04-08-17	03:23	Social	1
04-08-17	03:24	Social	1
04-08-17	03:25	Social	1
04-08-17	03:26	Social	1
04-08-17	03:31	Myotis	1
04-08-17	03:32	Common pipistrelle	2
04-08-17	03:38	Common pipistrelle	1
04-08-17	03:42	Common pipistrelle	2
04-08-17	03:50	Common pipistrelle	1
04-08-17	03:53	Common pipistrelle	1
04-08-17	03:55	Common pipistrelle	1
04-08-17	03:59	Common pipistrelle	1
04-08-17	04:00	Common pipistrelle	1
04-08-17	04:04	Common pipistrelle	2
04-08-17	04:05	Common pipistrelle	1
04-08-17	04:09	Common pipistrelle	1
04-08-17	04:10	Common pipistrelle	2
04-08-17	04:12	Common pipistrelle	1
04-08-17	04:14	Common pipistrelle	1
04-08-17	04:15	Common pipistrelle	1
04-08-17	04:16	Common pipistrelle	2
04-08-17	04:17	Common pipistrelle	1
04-08-17	04:21	Common pipistrelle	1
04-08-17	04:25	Common pipistrelle	1
04-08-17	04:30	Common pipistrelle	1
04-08-17	04:53	Noctule	1
04-08-17	05:12	Noctule	1
04-08-17	05:12	Noctule	1
Evening 3	1 30		·
04-08-17	21:54	Noctule	1
04-08-17	22:57	Noctule	1
05-08-17	04:17	Noctule	1
05-08-17		Noctule	1
05-08-17	05:09 05:13	Noctule	1
05-08-17 Evening 4	05.13	Noctule	<u> </u>
05-08-17	21:11	Noctule	1
00-00-17	Z1.11	Noctule	'

05-08-17	21:12	Noctule	2		
05-08-17	21:13	Noctule	2		
05-08-17	21:18	Noctule	1		
05-08-17	21:42	Noctule	1		
05-08-17	21:46	Noctule	1		
05-08-17	21:48	Noctule	1		
Evening 5					
07-08-17	01:08	Social	1		
07-08-17	01:18	Social	1		
07-08-17	03:42	Social	1		
07-08-17	04:06	Social	1		
07-08-17	04:38	Common pipistrelle	1		
07-08-17	04:56	Common pipistrelle	1		
07-08-17	04:56	Soprano pipistrelle	1		
07-08-17	04:58	Noctule	1		
07-08-17	05:20	Noctule	1		

APPENDIX 9 - LIGHT SPILLAGE FOR HPS AND LED LIGHTING

Light spillage for HPS Lighting (pre-changeover)



Light spillage for LED lighting (post-changeover)

