A358 Taunton to Southfields Dualling
Bat Activity surveys Technical Report
Appendices G-I

PCF STAGE 2

HE551508-MMSJV-EBD-000-RP-LB-0051

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Appendix G - EcoBat report

This report was produced free of charge by the Mammal Society to support evidence-based conservation of bats.

The following analyses are based on data supplied by the user to the Mammal Society's Ecobat website. The outputs are designed to assist decision-making, but do not replace expert interpretation by the user. The creation of the Ecobat tool was supported by the Natural Environment Research Council (NERC).

Bat Activity Analysis

Site Name: A358

Author: Dave Byett

17/12/2020

Summary

Bats were detected on **269** nights between **2017-04-19** and **2020-10-25**, using **30** static bat detectors. Throughout this period **14** species were recorded. **Table 1.** Detectors were placed at the following locations:

Detector ID	Latitude	Longitude
2B	51.01056	-3.051825
2A	51.01399	-3.057024
4A	50.99312	-3.022883
11A	50.96091	-2.992022
4B	50.99066	-3.017264
2C	51.00801	-3.050399
11B	50.95455	-2.976374
11C	50.95223	-2.969485
10B	50.97731	-3.001806
12B	50.93797	-2.945673
12C	50.93551	-2.936975
4C	50.98549	-3.010575
12A	50.93646	-2.947062

13C	50.99741	-3.020944
13A	51.00086	-3.024843
13B	50.99878	-3.022143
8B	51.00684	-3.033869
5B	50.95731	-2.974992
9A	50.97532	-3.009217
6B	50.94931	-2.954537
8A	51.00785	-3.038035
8C	51.00387	-3.028395
6C	50.94581	-2.952733
5A	50.96198	-2.988522
5C	50.95595	-2.972487
9C	50.96817	-3.002984
6A	50.95416	-2.966708
9B	50.97122	-3.005913
10A	50.98373	-3.002611
10C	50.96562	-2.996251

Survey Nights

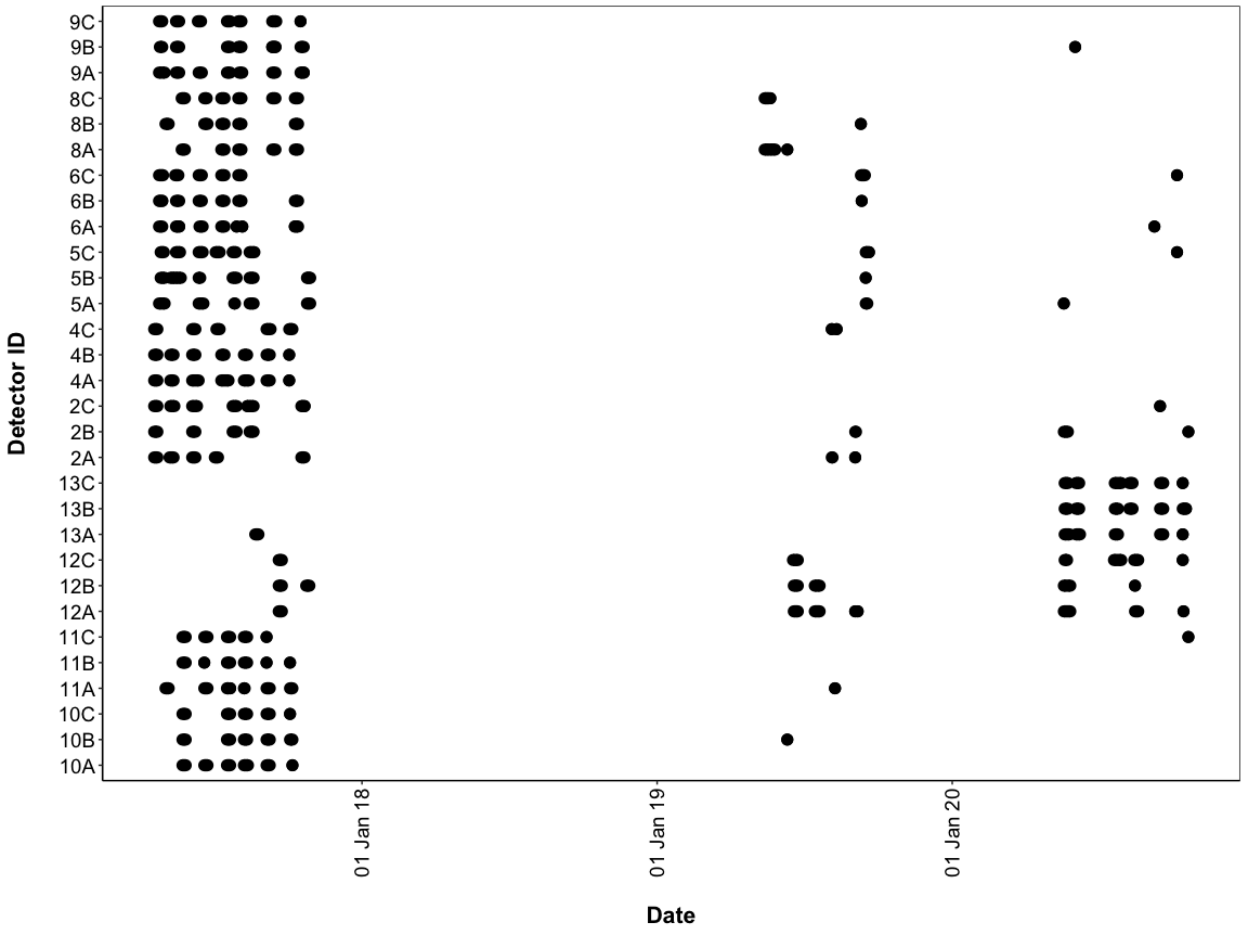
Table 2. The number of nights that bats were detected on each recorder. This is not the same as the number of nights that detectors were active if there were nights when no bats were detected.

Detector ID	No. of nights
10A	27
10B	27
10C	24
11A	29
11B	22
11C	28
12A	40
12B	34
12C	39
13A	35
13B	29
13C	34
2A	29
2B	37
2C	37
4A	46
4B	35
4C	28
5A	37
5B	45
5C	46
6A	30
6B	33
6C	39
8A	41
8B	30
8C	42
9A	37
9B	29

9C 36

Survey Nights

Figure 1. Horizontal bars show nights when acoustic detectors recorded bats.



PART 1: Percentiles Analysis

This first part of the analysis looks at the relative activity levels of the bats you recorded. We take your value for the total bat passes each night for each species, and compare this to the values in our reference database. We tell you what percentile your data falls at, and therefore what the relative activity level is. For example, if the reference database has values of 5, 10, 15, 20 and you submit a value of 18, this will be the 80th percentile, and be classed as high activity.

The reference range dataset was stratified to include:

- Only records from within 30 days of the survey date.
- Only records from within 100km radius of the survey location.
- Records using any make of bat detector.

PER DETECTOR

Table 3. Summary table showing the number of nights recorded bat activity fell into each activity band for each species.

Detector ID	Species/Species Group	Nights of High Activity	Nights of Moderate/ High Activity	Nights of Moderate Activity	Nights of Low/ Moderate Activity	Nights of Low Activity
10A	*Barbastella barbastellus*	0	3	2	3	6
10A	*Eptesicus serotinus*	0	6	7	4	5
10A	*Myotis*	12	1	0	5	3
10A	*Nyctaloid*	4	9	3	1	0
10A	*Nyctalus leisleri*	0	0	1	2	2
10A	*Nyctalus noctula*	2	10	7	1	5
10A	*Pipistrellus*	2	0	0	0	0
10A	*Pipistrellus nathusii*	0	0	3	2	1
10A	*Pipistrellus pipistrellus*	10	9	5	0	1
10A	*Pipistrellus pygmaeus*	1	6	7	6	2
10A	*Plecotus*	0	0	1	3	6
10A	*Rhinolophus ferrumequinum*	0	0	0	2	3
10A	*Rhinolophus hipposideros*	0	2	2	4	6
10B	*Barbastella barbastellus*	0	0	0	1	6
10B	*Eptesicus serotinus*	0	5	3	4	4
10B	*Myotis*	0	5	3	5	4
10B	*Nyctaloid*	1	5	3	1	0
10B	*Nyctalus leisleri*	0	0	0	3	5
10B	*Nyctalus noctula*	0	1	6	11	6
10B	*Pipistrellus*	5	7	1	0	0
10B	*Pipistrellus*	0	0	0	0	2

	nathusii					
10B	*Pipistrellus pipistrellus*	5	7	4	4	4
10B	*Pipistrellus pygmaeus*	1	3	9	4	10
10B	*Plecotus*	0	0	0	2	1
10B	*Rhinolophus ferrumequinum*	0	0	0	0	1
10B	*Rhinolophus hipposideros*	0	0	1	2	5
10C	*Barbastella barbastellus*	0	0	0	0	3
10C	*Eptesicus serotinus*	0	2	6	6	5
10C	*Myotis*	0	2	9	4	6
10C	*Nyctaloid*	1	9	4	1	0
10C	*Nyctalus leisleri*	0	0	0	0	1
10C	*Nyctalus noctula*	0	7	6	6	3
10C	*Pipistrellus*	6	0	1	1	0
10C	*Pipistrellus nathusii*	0	0	0	1	0
10C	*Pipistrellus pipistrellus*	8	8	3	1	2
10C	*Pipistrellus pygmaeus*	0	4	4	4	3
10C	*Plecotus*	0	0	2	2	4
10C	*Rhinolophus ferrumequinum*	0	0	0	1	0
10C	*Rhinolophus hipposideros*	0	0	0	2	5
11A	*Barbastella barbastellus*	0	0	6	5	5
11A	*Eptesicus serotinus*	0	4	5	10	4
11A	*Myotis*	2	6	12	3	1
11A	*Nyctaloid*	1	7	3	0	0
11A	*Nyctalus leisleri*	0	0	0	0	1
11A	*Nyctalus noctula*	1	2	8	2	4
11A	*Pipistrellus*	10	1	0	0	0

11A	*Pipistrellus nathusii*	0	0	2	1	4
11A	*Pipistrellus pipistrellus*	20	7	2	0	0
11A	*Pipistrellus pygmaeus*	0	0	0	1	1
11B	*Barbastella barbastellus*	0	0	1	3	2
11B	*Eptesicus serotinus*	2	7	6	2	3
11B	*Myotis*	5	10	0	2	1
11B	*Nyctaloid*	4	7	3	1	0
11B	*Nyctalus leisleri*	0	0	0	1	2
11B	*Nyctalus noctula*	0	3	6	2	3
11B	*Pipistrellus*	2	0	0	0	0
11B	*Pipistrellus nathusii*	0	0	0	0	1
11B	*Pipistrellus pipistrellus*	16	3	3	0	0
11B	*Pipistrellus pygmaeus*	9	2	2	2	0
11C	*Barbastella barbastellus*	0	0	1	0	3
11C	*Eptesicus serotinus*	0	8	3	6	4
11C	*Myotis*	0	0	1	4	8
11C	*Nyctaloid*	3	4	2	0	0
11C	*Nyctalus leisleri*	0	0	1	0	1
11C	*Nyctalus noctula*	1	2	7	3	5
11C	*Pipistrellus*	3	0	0	0	0
11C	*Pipistrellus nathusii*	0	0	0	4	4
11C	*Pipistrellus pipistrellus*	20	1	3	1	2
11C	*Pipistrellus pygmaeus*	0	1	7	3	1
11C	*Plecotus*	0	0	0	3	1
12A	*Barbastella barbastellus*	0	0	0	0	2

12A	*Eptesicus serotinus*	0	2	6	11	10
12A	*Myotis*	1	14	7	6	4
12A	*Nyctaloid*	1	6	3	2	0
12A	*Nyctalus leisleri*	0	0	0	2	1
12A	*Nyctalus noctula*	4	6	8	8	6
12A	*Pipistrellus*	16	5	0	1	0
12A	*Pipistrellus pipistrellus*	14	17	7	0	2
12A	*Pipistrellus pygmaeus*	3	0	0	0	0
12B	*Barbastella barbastellus*	0	0	0	0	3
12B	*Eptesicus serotinus*	0	6	4	6	5
12B	*Myotis*	3	13	10	5	2
12B	*Nyctaloid*	1	3	1	1	0
12B	*Nyctalus*	0	2	4	2	3
12B	*Nyctalus leisleri*	0	2	1	4	1
12B	*Nyctalus noctula*	1	7	8	5	7
12B	*Pipistrellus*	11	0	0	0	0
12B	*Pipistrellus nathusii*	0	0	0	0	1
12B	*Pipistrellus pipistrellus*	15	13	4	1	0
12B	*Pipistrellus pygmaeus*	2	0	1	0	0
12C	*Barbastella barbastellus*	0	0	1	5	5
12C	*Eptesicus serotinus*	0	0	4	4	8
12C	*Myotis*	1	0	3	9	9
12C	*Nyctaloid*	0	2	4	1	2
12C	*Nyctalus leisleri*	0	0	0	3	7
12C	*Nyctalus noctula*	1	4	17	4	6
12C	*Pipistrellus*	5	2	0	0	0
12C	*Pipistrellus nathusii*	0	1	2	0	2

12C	*Pipistrellus pipistrellus*	24	9	5	1	0
12C	*Pipistrellus pygmaeus*	0	1	1	0	0
12C	*Plecotus*	0	0	0	0	1
13A	*Barbastella barbastellus*	0	0	0	0	4
13A	*Eptesicus serotinus*	0	0	3	2	5
13A	*Myotis*	0	1	3	1	3
13A	*Nyctalus*	0	1	2	3	0
13A	*Nyctalus leisleri*	0	2	8	4	6
13A	*Nyctalus noctula*	3	12	8	5	5
13A	*Pipistrellus*	7	3	0	0	0
13A	*Pipistrellus nathusii*	0	0	0	2	6
13A	*Pipistrellus pipistrellus*	13	11	5	5	0
13A	*Pipistrellus pygmaeus*	0	0	0	1	1
13B	*Barbastella barbastellus*	0	0	2	3	4
13B	*Eptesicus serotinus*	0	1	5	2	5
13B	*Myotis*	0	1	4	3	4
13B	*Nyctalus leisleri*	0	4	4	4	6
13B	*Nyctalus noctula*	6	4	8	5	4
13B	*Pipistrellus*	8	2	0	0	0
13B	*Pipistrellus nathusii*	0	1	1	2	2
13B	*Pipistrellus pipistrellus*	19	2	3	1	2
13C	*Barbastella barbastellus*	0	0	2	1	4
13C	*Eptesicus serotinus*	0	2	2	4	6
13C	*Myotis*	0	0	3	5	1
13C	*Nyctaloid*	1	0	0	0	0
13C	*Nyctalus*	5	0	1	1	0

13C	*Nyctalus leisleri*	0	1	9	2	5
13C	*Nyctalus noctula*	8	8	10	1	4
13C	*Pipistrellus*	9	1	0	1	0
13C	*Pipistrellus nathusii*	0	0	1	3	1
13C	*Pipistrellus pipistrellus*	12	6	6	2	4
2A	*Barbastella barbastellus*	0	0	0	1	4
2A	*Eptesicus serotinus*	0	0	4	6	1
2A	*Myotis*	0	0	4	10	8
2A	*Nyctaloid*	7	8	5	3	0
2A	*Nyctalus leisleri*	0	0	1	6	7
2A	*Nyctalus noctula*	3	10	6	2	5
2A	*Pipistrellus*	8	0	0	0	0
2A	*Pipistrellus nathusii*	2	0	0	1	1
2A	*Pipistrellus pipistrellus*	19	5	2	1	2
2A	*Pipistrellus pygmaeus*	0	7	10	3	1
2B	*Barbastella barbastellus*	0	0	6	5	5
2B	*Eptesicus serotinus*	5	0	4	7	6
2B	*Myotis*	0	3	6	10	8
2B	*Nyctaloid*	0	4	5	1	0
2B	*Nyctalus leisleri*	4	1	1	1	8
2B	*Nyctalus noctula*	4	7	5	3	3
2B	*Pipistrellus*	5	0	0	0	0
2B	*Pipistrellus nathusii*	0	0	0	0	4
2B	*Pipistrellus pipistrellus*	11	10	7	8	1
2B	*Pipistrellus pygmaeus*	1	3	4	6	4
2C	*Barbastella barbastellus*	0	0	0	1	5

2C	*Eptesicus serotinus*	1	4	9	4	5
2C	*Myotis*	0	3	6	5	12
2C	*Nyctaloid*	3	11	5	1	1
2C	*Nyctalus leisleri*	0	1	0	2	6
2C	*Nyctalus noctula*	2	6	11	4	4
2C	*Pipistrellus*	10	0	0	0	0
2C	*Pipistrellus nathusii*	0	0	2	4	1
2C	*Pipistrellus pipistrellus*	26	6	2	0	1
2C	*Pipistrellus pygmaeus*	5	6	6	4	3
4A	*Barbastella barbastellus*	0	0	2	2	3
4A	*Eptesicus serotinus*	1	7	5	5	7
4A	*Myotis*	0	0	3	2	6
4A	*Nyctaloid*	4	6	8	0	1
4A	*Nyctalus leisleri*	0	0	0	2	5
4A	*Nyctalus noctula*	0	2	16	8	9
4A	*Pipistrellus*	3	0	0	0	1
4A	*Pipistrellus nathusii*	1	1	2	0	3
4A	*Pipistrellus pipistrellus*	9	8	10	6	4
4A	*Pipistrellus pygmaeus*	8	6	3	2	3
4B	*Barbastella barbastellus*	0	0	1	3	2
4B	*Eptesicus serotinus*	1	7	2	3	6
4B	*Myotis*	3	8	8	7	2
4B	*Nyctaloid*	5	4	4	5	2
4B	*Nyctalus leisleri*	0	0	0	2	3
4B	*Nyctalus noctula*	1	1	9	3	10
4B	*Pipistrellus pipistrellus*	2	4	9	2	0
4B	*Pipistrellus*	0	1	6	2	3

	pygmaeus					
4C	*Barbastella barbastellus*	0	0	0	2	1
4C	*Eptesicus serotinus*	1	3	3	5	2
4C	*Myotis*	0	5	7	4	4
4C	*Nyctaloid*	4	2	1	0	2
4C	*Nyctalus leisleri*	0	0	1	0	1
4C	*Nyctalus noctula*	0	5	3	4	4
4C	*Pipistrellus*	1	0	1	0	0
4C	*Pipistrellus pipistrellus*	7	2	2	2	1
4C	*Pipistrellus pygmaeus*	1	3	7	8	6
4C	*Rhinolophus hipposideros*	0	0	0	0	1
5A	*Barbastella barbastellus*	0	1	1	4	5
5A	*Eptesicus serotinus*	0	2	8	10	6
5A	*Myotis*	0	4	8	4	4
5A	*Nyctaloid*	0	7	9	2	2
5A	*Nyctalus leisleri*	0	0	1	0	3
5A	*Nyctalus noctula*	0	3	9	8	9
5A	*Pipistrellus*	0	0	1	0	0
5A	*Pipistrellus nathusii*	0	0	0	0	4
5A	*Pipistrellus pipistrellus*	4	12	5	7	2
5A	*Pipistrellus pygmaeus*	0	0	5	1	5
5B	*Barbastella barbastellus*	0	1	0	4	5
5B	*Eptesicus serotinus*	1	2	7	10	8
5B	*Myotis*	0	5	13	7	7
5B	*Nyctaloid*	3	8	8	3	2
5B	*Nyctalus leisleri*	0	0	0	1	6
5B	*Nyctalus noctula*	0	8	6	6	10

5B	*Pipistrellus*	9	1	1	1	0
5B	*Pipistrellus nathusii*	0	0	0	0	1
5B	*Pipistrellus pipistrellus*	16	10	5	8	0
5B	*Pipistrellus pygmaeus*	5	8	8	4	3
5C	*Barbastella barbastellus*	0	0	1	1	1
5C	*Eptesicus serotinus*	1	2	7	9	6
5C	*Myotis*	1	8	10	6	8
5C	*Nyctaloid*	3	5	8	3	0
5C	*Nyctalus leisleri*	0	0	0	3	2
5C	*Nyctalus noctula*	0	2	11	8	11
5C	*Pipistrellus*	8	4	2	0	0
5C	*Pipistrellus nathusii*	0	0	0	2	4
5C	*Pipistrellus pipistrellus*	17	17	6	2	2
5C	*Pipistrellus pygmaeus*	1	4	8	5	6
6A	*Barbastella barbastellus*	0	0	0	4	1
6A	*Eptesicus serotinus*	0	0	4	2	6
6A	*Myotis*	0	3	7	5	3
6A	*Nyctaloid*	0	4	8	6	0
6A	*Nyctalus leisleri*	0	0	0	1	1
6A	*Nyctalus noctula*	0	1	4	7	6
6A	*Pipistrellus*	0	1	0	0	0
6A	*Pipistrellus nathusii*	0	0	0	0	1
6A	*Pipistrellus pipistrellus*	11	6	3	3	0
6A	*Pipistrellus pygmaeus*	0	2	1	3	3
6B	*Barbastella barbastellus*	0	0	2	5	1

6B	*Eptesicus serotinus*	5	3	7	6	3
6B	*Myotis*	2	4	5	4	3
6B	*Nyctaloid*	7	7	2	0	0
6B	*Nyctalus leisleri*	0	0	0	4	5
6B	*Nyctalus noctula*	1	2	6	6	9
6B	*Pipistrellus*	8	2	0	0	0
6B	*Pipistrellus nathusii*	0	0	1	0	1
6B	*Pipistrellus pipistrellus*	15	7	2	0	1
6B	*Pipistrellus pygmaeus*	5	1	2	6	3
6C	*Barbastella barbastellus*	0	0	0	2	3
6C	*Eptesicus serotinus*	4	9	4	7	2
6C	*Myotis*	6	7	2	6	4
6C	*Nyctaloid*	5	1	6	5	0
6C	*Nyctalus leisleri*	4	3	0	0	0
6C	*Nyctalus noctula*	0	3	7	6	8
6C	*Pipistrellus*	11	0	0	0	0
6C	*Pipistrellus nathusii*	0	0	0	0	1
6C	*Pipistrellus pipistrellus*	21	2	2	2	5
6C	*Pipistrellus pygmaeus*	2	2	3	0	2
8A	*Barbastella barbastellus*	0	0	0	1	1
8A	*Eptesicus serotinus*	0	4	9	9	6
8A	*Myotis*	0	4	3	3	4
8A	*Nyctaloid*	4	5	3	0	0
8A	*Nyctalus leisleri*	0	0	2	0	3
8A	*Nyctalus noctula*	1	8	11	13	3
8A	*Pipistrellus*	10	0	0	0	0
8A	*Pipistrellus nathusii*	0	0	0	2	3

8A	*Pipistrellus pipistrellus*	28	7	2	2	1
8A	*Pipistrellus pygmaeus*	5	14	5	3	1
8A	*Rhinolophus hipposideros*	0	0	0	1	0
8B	*Barbastella barbastellus*	3	1	1	4	5
8B	*Eptesicus serotinus*	0	6	10	8	3
8B	*Myotis*	2	10	7	5	3
8B	*Nyctaloid*	4	15	1	0	0
8B	*Nyctalus leisleri*	0	0	2	3	3
8B	*Nyctalus noctula*	0	11	14	1	3
8B	*Pipistrellus*	13	0	0	0	0
8B	*Pipistrellus nathusii*	0	0	0	1	0
8B	*Pipistrellus pipistrellus*	28	2	0	0	0
8B	*Pipistrellus pygmaeus*	14	10	1	0	0
8C	*Barbastella barbastellus*	0	0	0	3	4
8C	*Eptesicus serotinus*	0	4	6	7	6
8C	*Myotis*	0	3	4	6	3
8C	*Nyctaloid*	1	8	5	0	0
8C	*Nyctalus leisleri*	0	0	3	1	4
8C	*Nyctalus noctula*	0	8	15	11	3
8C	*Pipistrellus*	6	0	0	0	0
8C	*Pipistrellus nathusii*	0	1	1	3	3
8C	*Pipistrellus pipistrellus*	29	7	3	1	1
8C	*Pipistrellus pygmaeus*	3	15	7	3	0
9A	*Barbastella barbastellus*	0	0	0	1	4
9A	*Eptesicus*	1	3	0	4	5

	serotinus					
9A	*Myotis*	1	4	9	6	7
9A	*Nyctaloid*	2	5	6	1	0
9A	*Nyctalus leisleri*	0	0	0	0	1
9A	*Nyctalus noctula*	1	4	10	8	8
9A	*Pipistrellus pipistrellus*	1	1	2	1	6
9A	*Pipistrellus pygmaeus*	13	8	2	3	3
9B	*Barbastella barbastellus*	0	0	0	0	1
9B	*Eptesicus serotinus*	0	3	1	3	5
9B	*Myotis*	2	5	6	3	3
9B	*Nyctaloid*	0	1	1	1	0
9B	*Nyctalus leisleri*	0	0	1	1	2
9B	*Nyctalus noctula*	0	3	8	4	5
9B	*Pipistrellus pipistrellus*	4	5	1	2	2
9B	*Pipistrellus pygmaeus*	2	1	0	4	2
9B	*Plecotus*	0	0	0	0	1
9B	*Rhinolophus hipposideros*	0	0	0	0	1
9C	*Barbastella barbastellus*	0	0	0	0	2
9C	*Eptesicus serotinus*	0	2	1	5	3
9C	*Myotis*	1	2	3	5	8
9C	*Nyctaloid*	1	3	5	4	1
9C	*Nyctalus noctula*	0	1	6	6	11
9C	*Pipistrellus*	8	4	0	0	0
9C	*Pipistrellus pipistrellus*	17	8	3	2	2
9C	*Pipistrellus pygmaeus*	1	1	0	0	1

Table 4. Summary table showing key metrics for each species recorded. The reference range is the number of nights for each species that your data were compared to. We recommend a Reference Range of 200+ to be confident in the relative activity level.

Detector ID	Species/Species Group	Median Percentile	95% CIs	Max Percentile	Nights Recorded	Reference Range
10A	*Barbastella barbastellus*	28	34 - 64	72	14	486
10A	*Eptesicus serotinus*	44	41 - 62	79	22	2234
10A	*Myotis*	84	56 - 88	98	21	3755
10A	*Nyctaloid*	74	61.5 - 78	88	17	5116
10A	*Nyctalus leisleri*	22	22 - 57	57	5	486
10A	*Nyctalus noctula*	60	57 - 70.5	82	25	3108
10A	*Pipistrellus*	89	88.5 - 88.5	93	2	6553
10A	*Pipistrellus nathusii*	38	34 - 44	47	6	317
10A	*Pipistrellus pipistrellus*	75	68.5 - 85	99	25	6260
10A	*Pipistrellus pygmaeus*	53	41 - 63	91	22	4673
10A	*Plecotus*	0	28 - 40.5	47	10	1353
10A	*Rhinolophus ferrumequinum*	0	0 - 0	22	5	1457
10A	*Rhinolophus hipposideros*	22	28 - 57	67	14	1616
10B	*Barbastella barbastellus*	0	0 - 0	34	7	485.4
10B	*Eptesicus serotinus*	38	37.5 - 68.5	80	16	2286
10B	*Myotis*	34	31.5 - 61.5	72	17	3815
10B	*Nyctaloid*	66	44 - 77	82	10	5195

10B	*Nyctalus leisleri*	0	22 - 22	34	8	494.1
10B	*Nyctalus noctula*	34	28 - 44.5	67	24	3199
10B	*Pipistrellus*	76	69 - 85.5	95	13	6635
10B	*Pipistrellus nathusii*	0	0 - 0	0	2	333
10B	*Pipistrellus pipistrellus*	61	54.5 - 77	96	24	6395
10B	*Pipistrellus pygmaeus*	34	39.5 - 57.5	83	27	4752
10B	*Plecotus*	22	22 - 22	22	3	1360
10B	*Rhinolophus ferrumequinum*	0	0	0	1	1458
10B	*Rhinolophus hipposideros*	0	22 - 60	60	8	1625
10C	*Barbastella barbastellus*	0	0 - 0	0	3	486
10C	*Eptesicus serotinus*	34	34 - 51.5	68	19	2234
10C	*Myotis*	41	41 - 56.5	64	21	3755
10C	*Nyctaloid*	68	54.5 - 72	80	15	5116
10C	*Nyctalus leisleri*	0	0	0	1	486
10C	*Nyctalus noctula*	49	42 - 62.5	78	22	3108
10C	*Pipistrellus*	83	51.5 - 89.5	90	8	6553
10C	*Pipistrellus nathusii*	22	0	22	1	317
10C	*Pipistrellus pipistrellus*	74	65.5 - 80.5	94	22	6260
10C	*Pipistrellus pygmaeus*	41	36.5 - 63	75	15	4673
10C	*Plecotus*	11	22 - 47	47	8	1353
10C	*Rhinolophus*	22	0	22	1	1457

	ferrumequinum					
10C	*Rhinolophus hipposideros*	0	28 - 28	34	7	1616
11A	*Barbastella barbastellus*	34	34 - 51	57	16	482
11A	*Eptesicus serotinus*	34	34 - 51.5	79	23	2315
11A	*Myotis*	49	46 - 62.5	98	24	3868
11A	*Nyctaloid*	67	55.5 - 72.5	81	11	5357
11A	*Nyctalus leisleri*	0	0	0	1	496
11A	*Nyctalus noctula*	41	41 - 61.5	82	17	3294
11A	*Pipistrellus*	91	85.5 - 97	100	11	6858
11A	*Pipistrellus nathusii*	0	41 - 41	41	7	333
11A	*Pipistrellus pipistrellus*	88	80 - 91.5	100	29	6556
11A	*Pipistrellus pygmaeus*	17	17 - 17	34	2	4824
11B	*Barbastella barbastellus*	22	22 - 34	41	6	482
11B	*Eptesicus serotinus*	56	51 - 70.5	90	20	2315
11B	*Myotis*	76	66.5 - 83.5	95	18	3868
11B	*Nyctaloid*	74	57.5 - 80.5	91	15	5357
11B	*Nyctalus leisleri*	0	0 - 0	22	3	496
11B	*Nyctalus noctula*	41	31.5 - 57.5	74	14	3294
11B	*Pipistrellus*	99	98.5 - 98.5	99	2	6858
11B	*Pipistrellus nathusii*	0	0	0	1	333
11B	*Pipistrellus pipistrellus*	93	78 - 94.5	99	22	6556
11B	*Pipistrellus*	88	62 -	98	15	4824

	pygmaeus		90			
11C	*Barbastella barbastellus*	0	0 - 0	47	4	482
11C	*Eptesicus serotinus*	51	44 - 65.5	80	21	2291
11C	*Myotis*	0	22 - 37.5	41	13	3826
11C	*Nyctaloid*	73	57 - 81.5	88	9	5222
11C	*Nyctalus leisleri*	21	20.5 - 20.5	41	2	496
11C	*Nyctalus noctula*	41	37.5 - 60	84	18	3235
11C	*Pipistrellus*	85	85 - 85	92	3	6858
11C	*Pipistrellus nathusii*	11	34 - 34	34	8	326.1
11C	*Pipistrellus pipistrellus*	87	77 - 91	99	27	6461
11C	*Pipistrellus pygmaeus*	47	34.5 - 57	79	12	4767
11C	*Plecotus*	22	22 - 22	22	4	1360
12A	*Barbastella barbastellus*	0	0 - 0	0	2	482
12A	*Eptesicus serotinus*	22	28 - 47	78	29	2315
12A	*Myotis*	57	49 - 65.5	87	32	3868
12A	*Nyctaloid*	65	49 - 68	83	12	5357
12A	*Nyctalus leisleri*	22	28 - 28	34	3	496
12A	*Nyctalus noctula*	47	43.5 - 61	88	32	3294
12A	*Pipistrellus*	90	81.5 - 92	99	22	6858
12A	*Pipistrellus pipistrellus*	76	70.5 - 80	98	40	6556
12A	*Pipistrellus*	89	80 -	91	3	4824

	pygmaeus		91			
12B	*Barbastella barbastellus*	0	0 - 0	0	3	482
12B	*Eptesicus serotinus*	34	36.5 - 64	79	21	2315
12B	*Myotis*	60	51 - 67	85	33	3868
12B	*Nyctaloid*	70	41 - 79	85	6	5357
12B	*Nyctalus*	47	40.5 - 67	75	11	3863
12B	*Nyctalus leisleri*	34	28 - 66.5	79	8	496
12B	*Nyctalus noctula*	47	43.5 - 60.5	83	28	3294
12B	*Pipistrellus*	94	90.5 - 96	98	11	6858
12B	*Pipistrellus nathusii*	0	0	0	1	333
12B	*Pipistrellus pipistrellus*	76	71 - 81	97	33	6556
12B	*Pipistrellus pygmaeus*	80	54 - 85	85	3	4824
12C	*Barbastella barbastellus*	22	22 - 34.5	47	11	482
12C	*Eptesicus serotinus*	11	22 - 44	51	16	2315
12C	*Myotis*	22	22 - 46	80	22	3868
12C	*Nyctaloid*	41	37.5 - 68.5	69	9	5357
12C	*Nyctalus leisleri*	0	22 - 22	34	10	496
12C	*Nyctalus noctula*	47	44 - 54.5	83	32	3294
12C	*Pipistrellus*	89	79.5 - 96	98	7	6858
12C	*Pipistrellus nathusii*	47	47 - 78	78	5	333
12C	*Pipistrellus*	84	74.5 -	99	39	6556

	pipistrellus		85.5			
12C	*Pipistrellus pygmaeus*	63	62.5 - 62.5	71	2	4824
12C	*Plecotus*	0	0	0	1	297
13A	*Barbastella barbastellus*	0	0 - 0	0	4	482
13A	*Eptesicus serotinus*	11	31.5 - 51	57	10	2315
13A	*Myotis*	38	34 - 79	79	8	3868
13A	*Nyctalus*	41	28 - 51	65	6	3863
13A	*Nyctalus leisleri*	41	36.5 - 55.5	65	20	496
13A	*Nyctalus noctula*	60	51 - 67	83	33	3294
13A	*Pipistrellus*	86	80 - 88.5	92	10	6858
13A	*Pipistrellus nathusii*	0	28 - 28	34	8	333
13A	*Pipistrellus pipistrellus*	74	60 - 76	90	34	6556
13A	*Pipistrellus pygmaeus*	11	11 - 11	22	2	4824
13B	*Barbastella barbastellus*	22	28 - 47	47	9	482
13B	*Eptesicus serotinus*	34	37.5 - 60	64	13	2315
13B	*Myotis*	34	31.5 - 56.5	72	12	3868
13B	*Nyctalus leisleri*	28	34.5 - 59	70	18	496
13B	*Nyctalus noctula*	51	49 - 67.5	88	27	3294
13B	*Pipistrellus*	91	77.5 - 94.5	99	10	6858
13B	*Pipistrellus nathusii*	22	22 - 48.5	75	6	333
13B	*Pipistrellus pipistrellus*	88	74 - 92	100	27	6556

13C	*Barbastella barbastellus*	0	22 - 57	57	7	482
13C	*Eptesicus serotinus*	22	22 - 55.5	72	14	2315
13C	*Myotis*	34	28 - 44	47	9	3868
13C	*Nyctaloid*	91	0	91	1	5357
13C	*Nyctalus*	82	31.5 - 86	88	7	3863
13C	*Nyctalus leisleri*	41	40.5 - 55.5	62	17	496
13C	*Nyctalus noctula*	62	57.5 - 72	85	31	3294
13C	*Pipistrellus*	90	64.5 - 93	95	11	6858
13C	*Pipistrellus nathusii*	22	22 - 34.5	47	5	333
13C	*Pipistrellus pipistrellus*	65	60.5 - 79	93	30	6556
2A	*Barbastella barbastellus*	0	0 - 0	34	5	482
2A	*Eptesicus serotinus*	34	31.5 - 41	41	11	2315
2A	*Myotis*	22	28 - 37.5	51	22	3868
2A	*Nyctaloid*	69	57.5 - 75	88	23	5357
2A	*Nyctalus leisleri*	11	22 - 31.5	41	14	496
2A	*Nyctalus noctula*	61	53 - 72	88	26	3294
2A	*Pipistrellus*	98	94 - 98.5	99	8	6858
2A	*Pipistrellus nathusii*	59	34 - 93	93	4	333
2A	*Pipistrellus pipistrellus*	87	78.5 - 92.5	99	29	6556
2A	*Pipistrellus pygmaeus*	54	44 - 61	77	21	4824
2B	*Barbastella*	34	31.5 -	47	16	482

	barbastellus		44			
2B	*Eptesicus serotinus*	22	31.5 - 66.5	97	22	2315
2B	*Myotis*	22	31.5 - 49	73	27	3868
2B	*Nyctaloid*	54	46 - 70	75	10	5357
2B	*Nyctalus leisleri*	0	38 - 92	95	15	496
2B	*Nyctalus noctula*	58	49 - 71	87	22	3294
2B	*Pipistrellus*	90	87.5 - 97	97	5	6858
2B	*Pipistrellus nathusii*	0	0 - 0	0	4	333
2B	*Pipistrellus pipistrellus*	70	54 - 75	100	37	6556
2B	*Pipistrellus pygmaeus*	34	31.5 - 57.5	86	18	4824
2C	*Barbastella barbastellus*	0	0 - 0	34	6	482
2C	*Eptesicus serotinus*	51	42.5 - 60.5	81	23	2315
2C	*Myotis*	22	34.5 - 59	73	26	3868
2C	*Nyctaloid*	68	59 - 74.5	90	21	5357
2C	*Nyctalus leisleri*	0	22 - 22	64	9	496
2C	*Nyctalus noctula*	51	47.5 - 64.5	84	27	3294
2C	*Pipistrellus*	95	89 - 97	98	10	6858
2C	*Pipistrellus nathusii*	22	22 - 44	54	7	333
2C	*Pipistrellus pipistrellus*	91	84 - 92.5	98	35	6556
2C	*Pipistrellus pygmaeus*	57	46.5 - 70	92	24	4824
4A	*Barbastella*	22	22 -	57	7	482

	barbastellus		41			
4A	*Eptesicus serotinus*	41	43 - 65.5	82	25	2315
4A	*Myotis*	0	22 - 51	57	11	3868
4A	*Nyctaloid*	65	58.5 - 74	85	19	5357
4A	*Nyctalus leisleri*	0	0 - 0	22	7	496
4A	*Nyctalus noctula*	41	38 - 51	71	35	3294
4A	*Pipistrellus*	86	86 - 86	90	4	6858
4A	*Pipistrellus nathusii*	41	41 - 84	84	7	333
4A	*Pipistrellus pipistrellus*	57	51.5 - 70	89	37	6556
4A	*Pipistrellus pygmaeus*	69	60 - 80.5	96	22	4824
4B	*Barbastella barbastellus*	22	22 - 22	47	6	482
4B	*Eptesicus serotinus*	41	43 - 75	83	19	2315
4B	*Myotis*	51	43.5 - 62.5	83	28	3868
4B	*Nyctaloid*	51	43 - 73.5	91	20	5357
4B	*Nyctalus leisleri*	0	28 - 28	34	5	496
4B	*Nyctalus noctula*	28	38 - 62.5	82	24	3294
4B	*Pipistrellus pipistrellus*	51	46 - 65.5	90	17	6556
4B	*Pipistrellus pygmaeus*	41	31.5 - 51.5	62	12	4824
4C	*Barbastella barbastellus*	34	34 - 34	34	3	482
4C	*Eptesicus serotinus*	43	34 - 64	83	14	2315
4C	*Myotis*	47	40.5 - 59.5	78	20	3868

4C	*Nyctaloid*	80	59.5 - 85	88	9	5357
4C	*Nyctalus leisleri*	21	20.5 - 20.5	41	2	496
4C	*Nyctalus noctula*	38	34 - 65	75	16	3294
4C	*Pipistrellus*	73	73 - 73	95	2	6858
4C	*Pipistrellus pipistrellus*	82	54.5 - 90	95	14	6556
4C	*Pipistrellus pygmaeus*	34	34 - 54	85	25	4824
4C	*Rhinolophus hipposideros*	0	0	0	1	1055
5A	*Barbastella barbastellus*	22	22 - 55	76	11	482
5A	*Eptesicus serotinus*	34	31.5 - 46	68	26	2315
5A	*Myotis*	49	38 - 58	71	20	3868
5A	*Nyctaloid*	51	47.5 - 63	76	20	5357
5A	*Nyctalus leisleri*	0	0 - 0	41	4	496
5A	*Nyctalus noctula*	34	37.5 - 51	70	29	3294
5A	*Pipistrellus*	41	0	41	1	6858
5A	*Pipistrellus nathusii*	0	0 - 0	0	4	333
5A	*Pipistrellus pipistrellus*	65	48.5 - 70.5	89	30	6556
5A	*Pipistrellus pygmaeus*	34	40.5 - 54	57	11	4824
5B	*Barbastella barbastellus*	11	22 - 48	62	10	482
5B	*Eptesicus serotinus*	34	31.5 - 52	89	28	2315
5B	*Myotis*	44	36.5 - 54	73	32	3868
5B	*Nyctaloid*	59	52 - 68.5	92	24	5357

5B	*Nyctalus leisleri*	0	0 - 0	22	7	496
5B	*Nyctalus noctula*	34	40.5 - 59	77	30	3294
5B	*Pipistrellus*	87	66 - 92.5	99	12	6858
5B	*Pipistrellus nathusii*	0	0	0	1	333
5B	*Pipistrellus pipistrellus*	71	60 - 79	100	39	6556
5B	*Pipistrellus pygmaeus*	57	54 - 70.5	92	28	4824
5C	*Barbastella barbastellus*	22	31.5 - 31.5	41	3	482
5C	*Eptesicus serotinus*	34	34 - 51.5	81	25	2315
5C	*Myotis*	47	45.5 - 61.5	80	33	3868
5C	*Nyctaloid*	57	47.5 - 67.5	86	19	5357
5C	*Nyctalus leisleri*	22	22 - 22	22	5	496
5C	*Nyctalus noctula*	34	36.5 - 49	70	32	3294
5C	*Pipistrellus*	83	70.5 - 89	99	14	6858
5C	*Pipistrellus nathusii*	0	0 - 0	34	6	333
5C	*Pipistrellus pipistrellus*	75	70 - 80.5	99	44	6556
5C	*Pipistrellus pygmaeus*	44	41 - 59	83	24	4824
6A	*Barbastella barbastellus*	22	22 - 34	34	5	482
6A	*Eptesicus serotinus*	11	31.5 - 49	51	12	2315
6A	*Myotis*	44	36.5 - 57.5	79	18	3863
6A	*Nyctaloid*	47	40.5 - 54.5	72	18	5346
6A	*Nyctalus leisleri*	17	17 -	34	2	496

			17			
6A	*Nyctalus noctula*	22	22 - 45.5	62	18	3286
6A	*Pipistrellus*	74	0	74	1	6858
6A	*Pipistrellus nathusii*	0	0	0	1	333
6A	*Pipistrellus pipistrellus*	79	60.5 - 83	96	23	6556
6A	*Pipistrellus pygmaeus*	22	22 - 58.5	70	9	4811
6B	*Barbastella barbastellus*	28	22 - 45.5	57	8	482
6B	*Eptesicus serotinus*	51	42.5 - 67.5	93	24	2315
6B	*Myotis*	47	39.5 - 66	85	18	3868
6B	*Nyctaloid*	77	69 - 83	94	16	5357
6B	*Nyctalus leisleri*	0	22 - 22	34	9	496
6B	*Nyctalus noctula*	28	34 - 57	81	24	3294
6B	*Pipistrellus*	94	83.5 - 96	98	10	6858
6B	*Pipistrellus nathusii*	24	23.5 - 23.5	47	2	333
6B	*Pipistrellus pipistrellus*	85	76 - 88	97	25	6556
6B	*Pipistrellus pygmaeus*	34	34 - 70	93	17	4824
6C	*Barbastella barbastellus*	0	0 - 0	22	5	482
6C	*Eptesicus serotinus*	55	45.5 - 67	87	26	2315
6C	*Myotis*	62	49.5 - 77.5	99	25	3868
6C	*Nyctaloid*	54	41 - 69	88	17	5357
6C	*Nyctalus leisleri*	84	78.5 - 87	90	7	496

6C	*Nyctalus noctula*	34	34 - 54.5	69	24	3294
6C	*Pipistrellus*	96	94 - 97.5	99	11	6858
6C	*Pipistrellus nathusii*	0	0	0	1	333
6C	*Pipistrellus pipistrellus*	91	75.5 - 95	100	32	6556
6C	*Pipistrellus pygmaeus*	57	54 - 86	91	9	4824
8A	*Barbastella barbastellus*	11	11 - 11	22	2	486
8A	*Eptesicus serotinus*	34	34.5 - 52.5	78	28	2295
8A	*Myotis*	32	31.5 - 70	78	14	3836
8A	*Nyctaloid*	76	63.5 - 81	86	12	5290
8A	*Nyctalus leisleri*	0	44 - 44	47	5	494
8A	*Nyctalus noctula*	41	37.5 - 51.5	81	36	3248
8A	*Pipistrellus*	95	93 - 96.5	98	10	6726
8A	*Pipistrellus nathusii*	0	0 - 0	22	5	333
8A	*Pipistrellus pipistrellus*	90	81 - 92	99	40	6472
8A	*Pipistrellus pygmaeus*	72	60 - 75	83	28	4771
8A	*Rhinolophus hipposideros*	22	0	22	1	1625
8B	*Barbastella barbastellus*	22	22 - 89	96	14	482
8B	*Eptesicus serotinus*	41	39.5 - 54.5	76	27	2315
8B	*Myotis*	54	49 - 65	83	27	3868
8B	*Nyctaloid*	75	68.5 - 77.5	82	20	5357

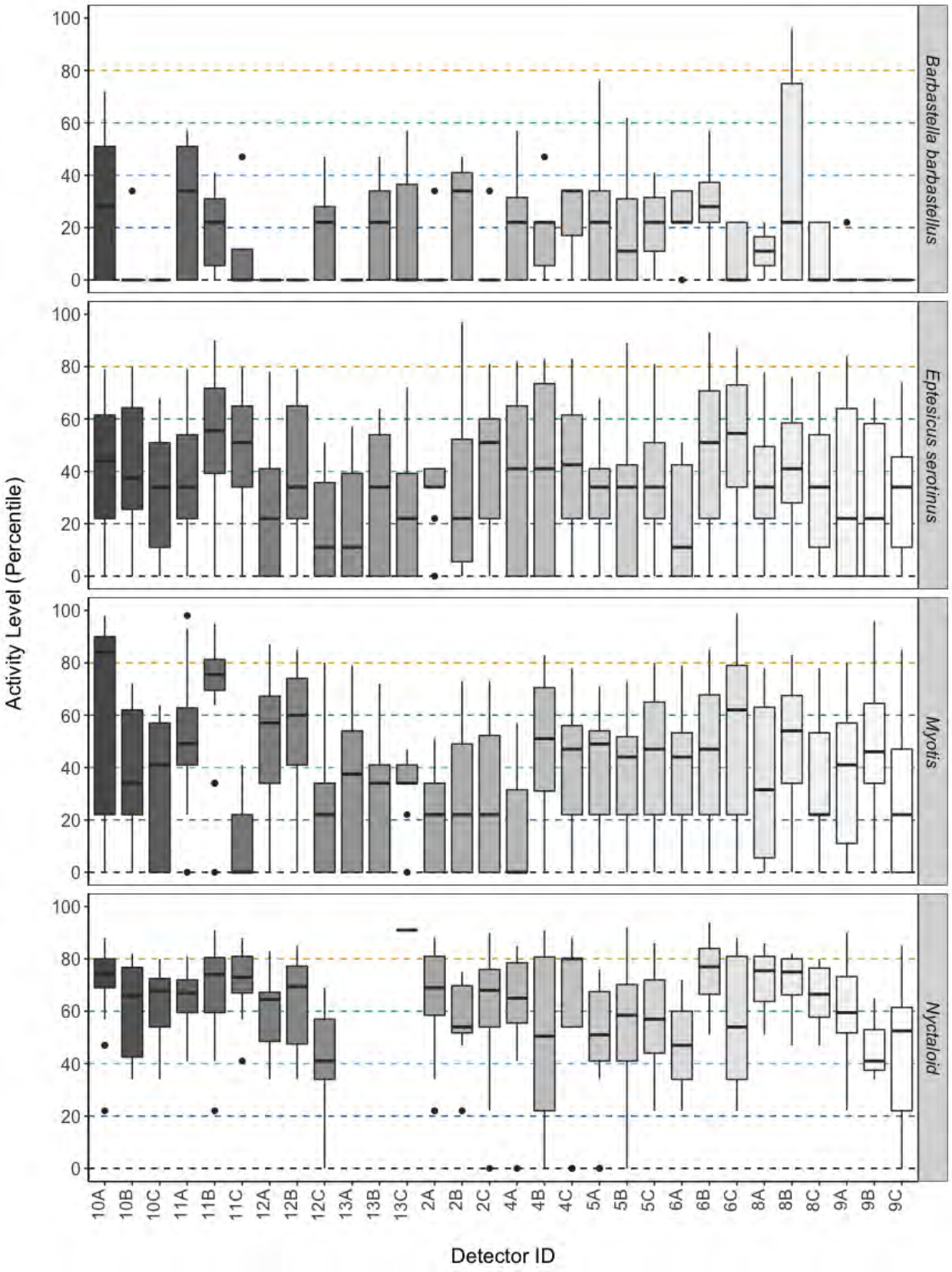
8B	*Nyctalus leisleri*	28	22 - 51	51	8	496
8B	*Nyctalus noctula*	57	54 - 63.5	76	29	3294
8B	*Pipistrellus*	94	91 - 97.5	99	13	6858
8B	*Pipistrellus nathusii*	22	0	22	1	333
8B	*Pipistrellus pipistrellus*	92	88.5 - 93.5	99	30	6556
8B	*Pipistrellus pygmaeus*	82	75.5 - 85	99	25	4824
8C	*Barbastella barbastellus*	0	0 - 0	22	7	482
8C	*Eptesicus serotinus*	34	31.5 - 56	78	23	2315
8C	*Myotis*	22	22 - 55.5	78	16	3868
8C	*Nyctaloid*	67	59.5 - 73	80	14	5357
8C	*Nyctalus leisleri*	11	36.5 - 51	51	8	496
8C	*Nyctalus noctula*	47	39.5 - 51.5	77	37	3294
8C	*Pipistrellus*	95	92.5 - 95.5	96	6	6858
8C	*Pipistrellus nathusii*	22	22 - 49	64	8	333
8C	*Pipistrellus pipistrellus*	90	82 - 91.5	99	41	6556
8C	*Pipistrellus pygmaeus*	64	57.5 - 70	83	28	4824
9A	*Barbastella barbastellus*	0	0 - 0	22	5	482
9A	*Eptesicus serotinus*	22	22 - 72.5	84	13	2315
9A	*Myotis*	41	41 - 57.5	80	27	3868
9A	*Nyctaloid*	60	50.5 - 72	90	14	5357

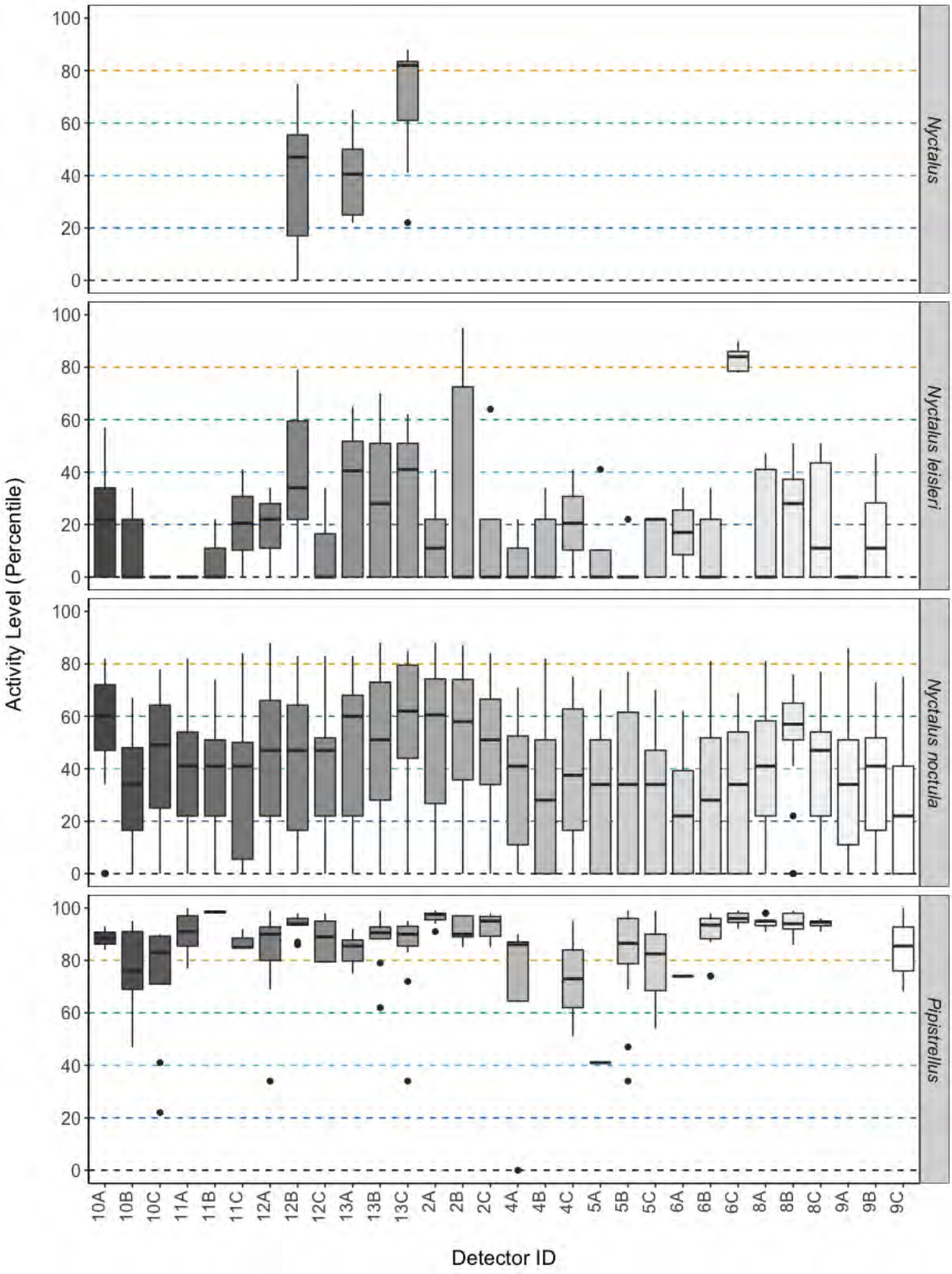
9A	*Nyctalus leisleri*	0	0	0	1	496
9A	*Nyctalus noctula*	34	40.5 - 52.5	86	31	3294
9A	*Pipistrellus pipistrellus*	0	34 - 85	85	11	6556
9A	*Pipistrellus pygmaeus*	77	63 - 85	98	29	4824
9B	*Barbastella barbastellus*	0	0	0	1	327
9B	*Eptesicus serotinus*	22	28 - 62.5	68	12	2170
9B	*Myotis*	46	43.5 - 68.5	96	19	3607
9B	*Nyctaloid*	41	34 - 65	65	3	5357
9B	*Nyctalus leisleri*	11	34.5 - 34.5	47	4	447.2
9B	*Nyctalus noctula*	41	37.5 - 55.5	73	20	2956
9B	*Pipistrellus pipistrellus*	69	52.5 - 85.5	97	14	6240
9B	*Pipistrellus pygmaeus*	34	28 - 88	99	9	4824
9B	*Plecotus*	0	0	0	1	1027
9B	*Rhinolophus hipposideros*	0	0	0	1	1055
9C	*Barbastella barbastellus*	0	0 - 0	0	2	482
9C	*Eptesicus serotinus*	34	28 - 62	74	11	2315
9C	*Myotis*	22	34 - 64	85	19	3868
9C	*Nyctaloid*	53	36.5 - 61	85	14	5357
9C	*Nyctalus noctula*	22	28 - 48.5	75	24	3294
9C	*Pipistrellus*	86	76 - 92	100	12	6858
9C	*Pipistrellus pipistrellus*	81	71 - 86	100	32	6556

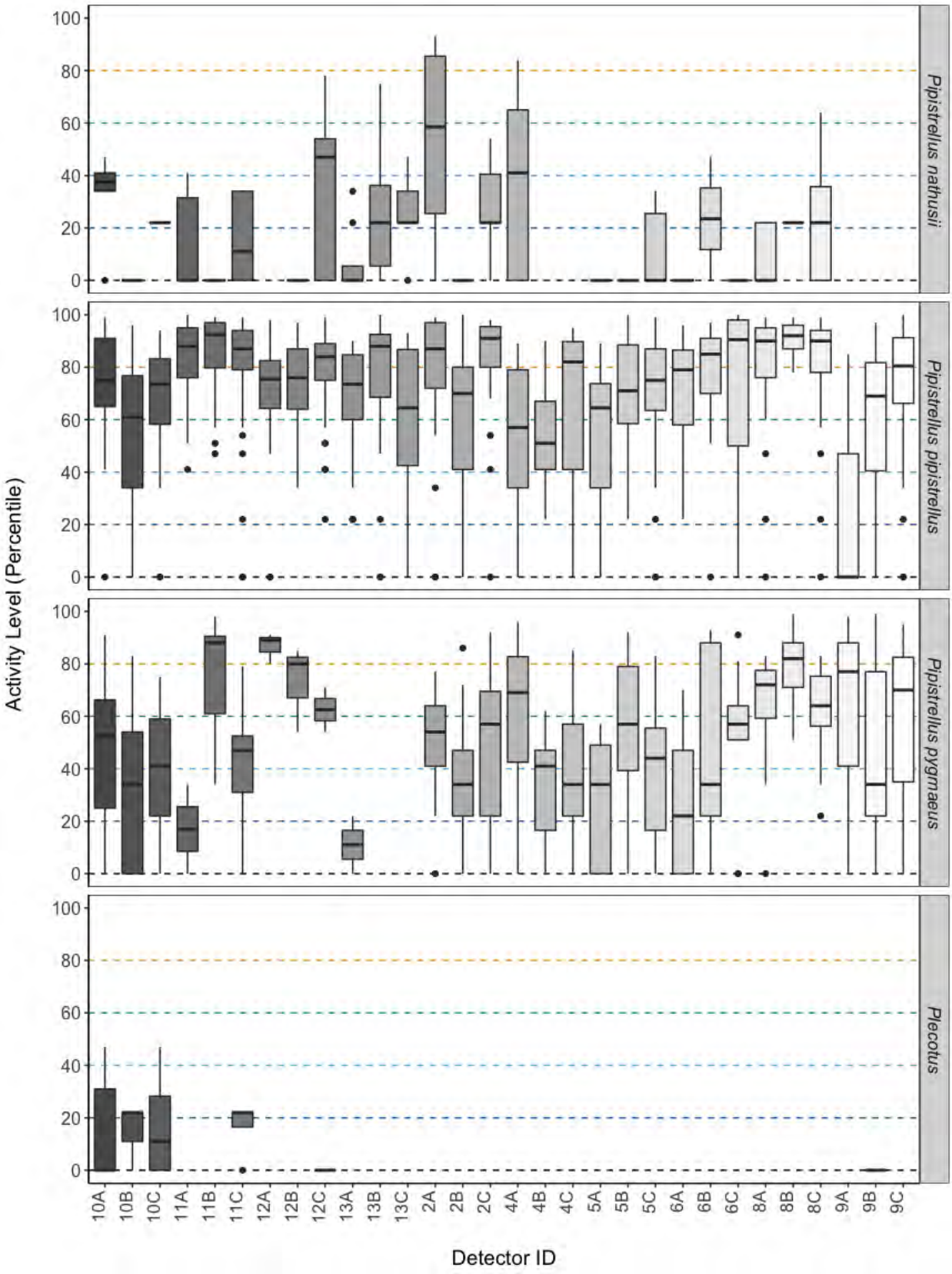
9C	*Pipistrellus pygmaeus*	70	82.5 - 82.5	95	3	4824

###Figures

Figure 2. The recorded activity of bats during the survey. The centre line indicates the median activity level whereas the box represents the interquartile range (the spread of the middle 50% of nights of activity)


Activity Level (Percentile)
100
80
60
40
20
0
Barbastella barbastellus
Eptesicus serotinus
Myotis
Nyctaloid
10A
10B
10C
11A
11B
11C
12A
12B
12C
13A
13B
13C
2A
2B
2C
4A
4B
4C
5A
5B
5C
6A
6B
6C
8A
8B
8C
9A
9B
9C
Detector ID


Activity Level (Percentile)
100
80
60
40
20
0
Nyctalus
Nyctalus leisleri
Nyctalus noctula
Pipistrellus
10A
10B
10C
11A
11B
11C
12A
12B
12C
13A
13B
13C
2A
2B
2C
4A
4B
4C
5A
5B
5C
6A
6B
6C
8A
8B
8C
9A
9B
9C
Detector ID


Activity Level (Percentile)
Pipistrellus nathusii
Pipistrellus pipistrellus
Pipistrellus pygmaeus
Plecotus
0
20
40
60
80
100
10A
10B
10C
11A
11B
11C
12A
12B
12C
13A
13B
13C
2A
2B
2C
4A
4B
4C
5A
5B
5C
6A
6B
6C
8A
8B
8C
9A
9B
9C
Detector ID

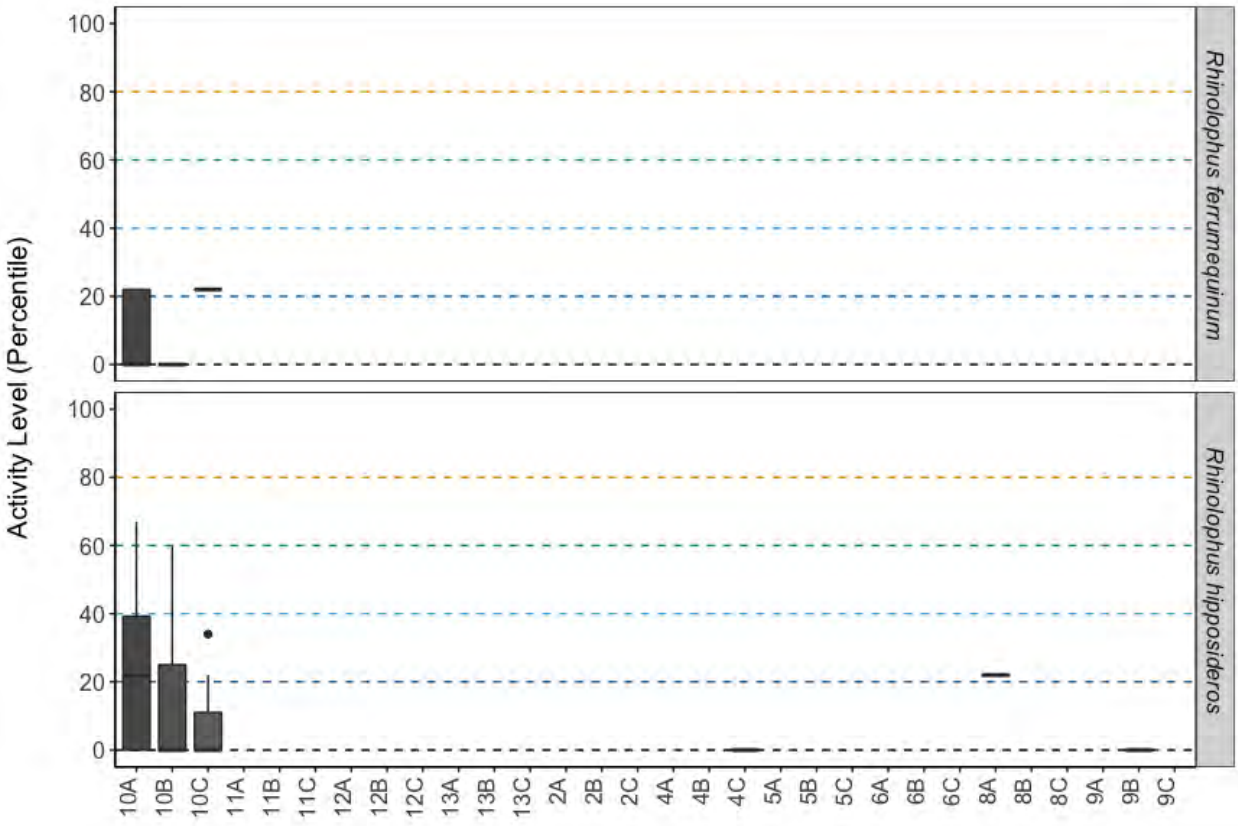
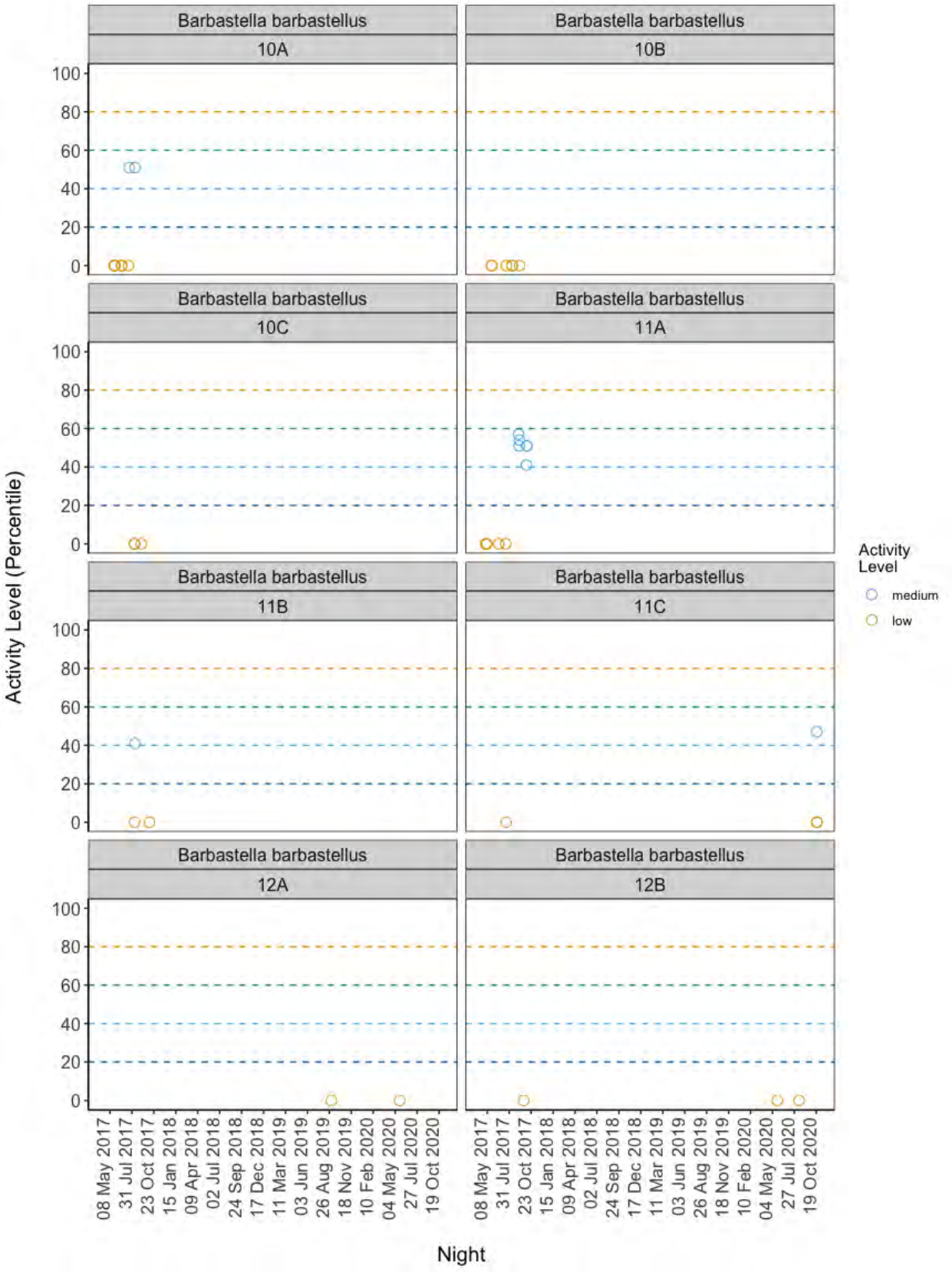
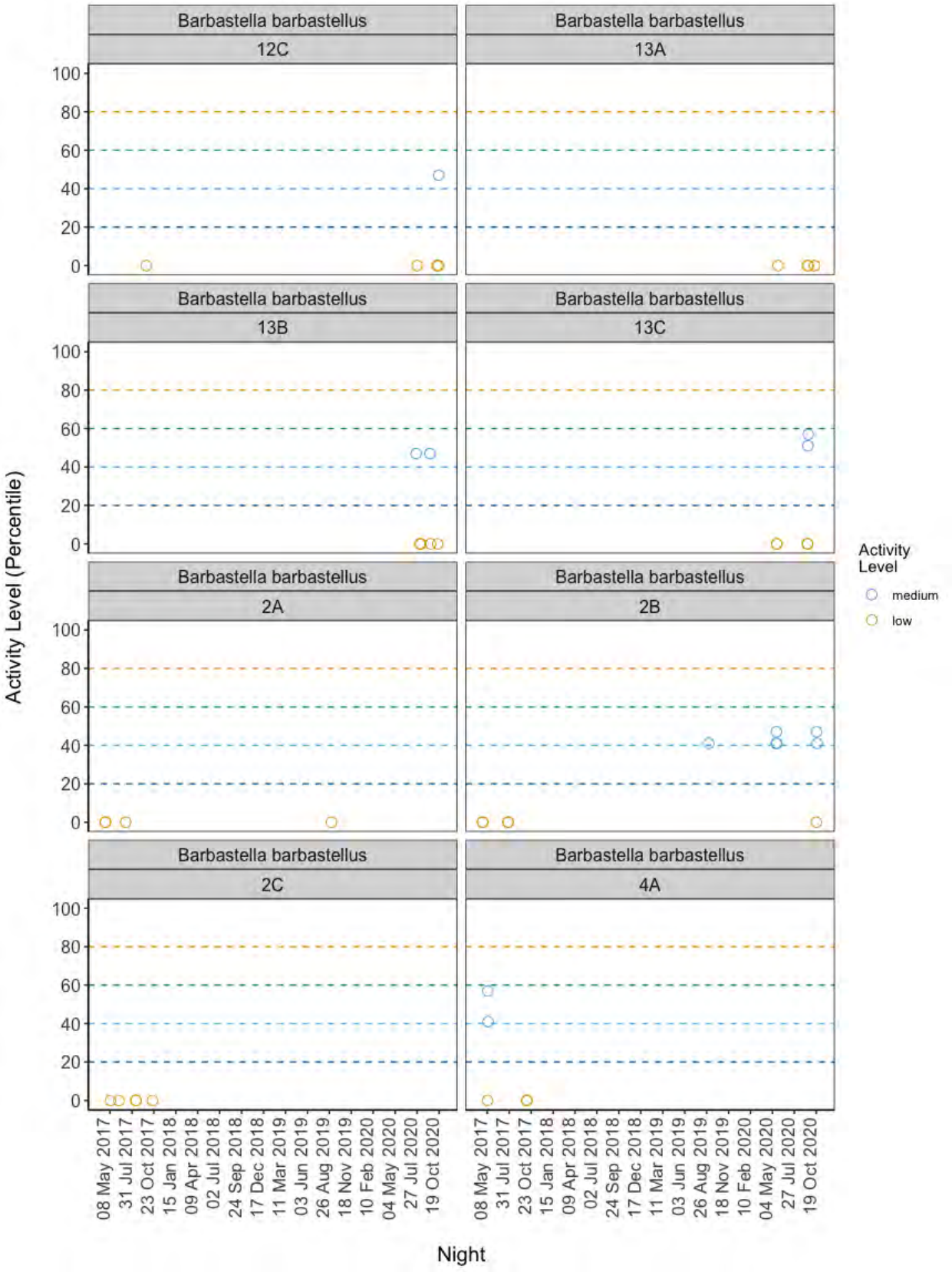
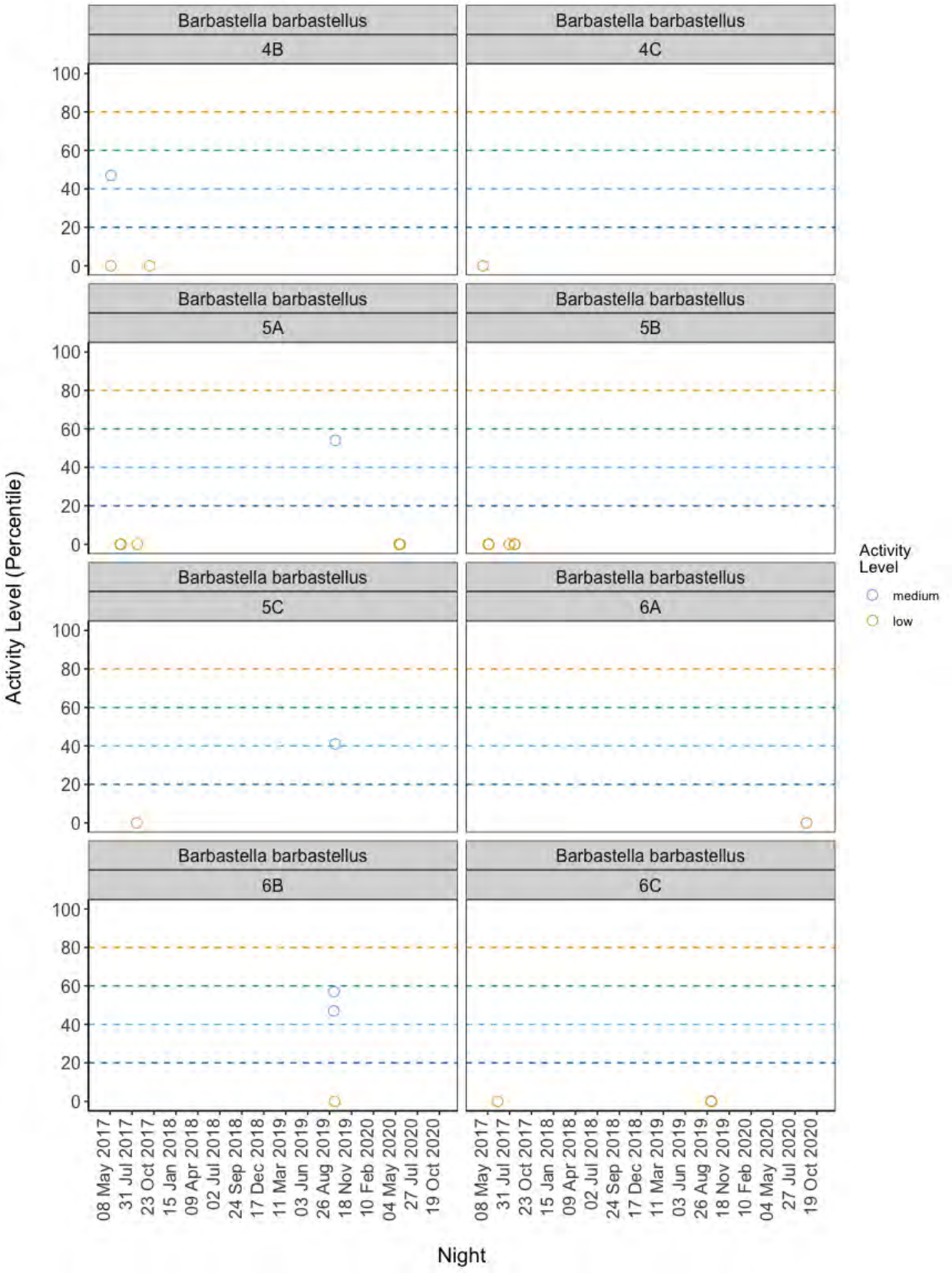
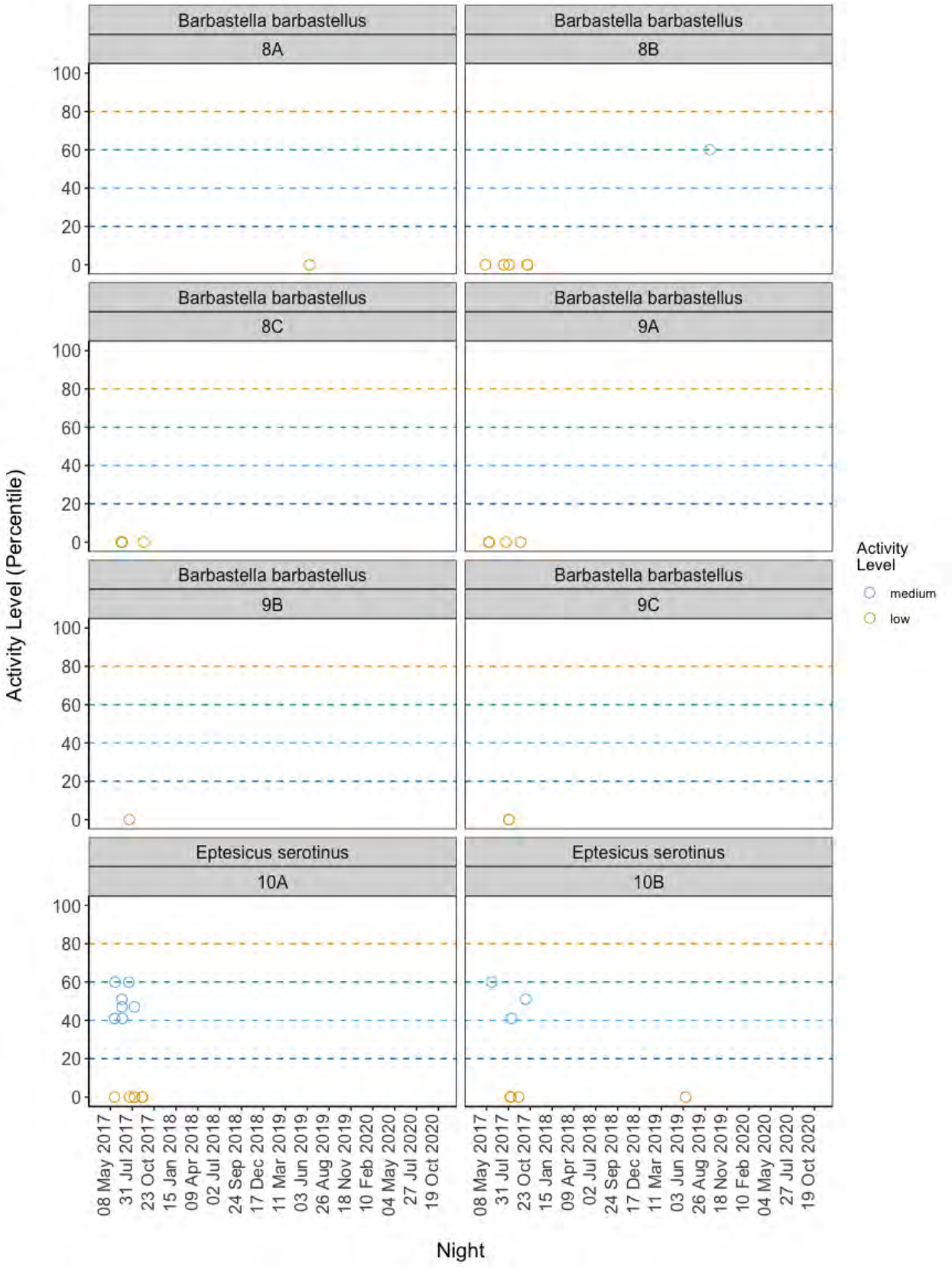

Activity Level (Percentile)
100
80
60
40
20
0
Rhinolophus ferrumequinum
Rhinolophus hipposideros
10A
10B
10C
11A
11B
11C
12A
12B
12C
13A
13B
13C
2A
2B
2C
4A
4B
4C
5A
5B
5C
6A
6B
6C
8A
8B
8C
9A
9B
9C
Detector ID

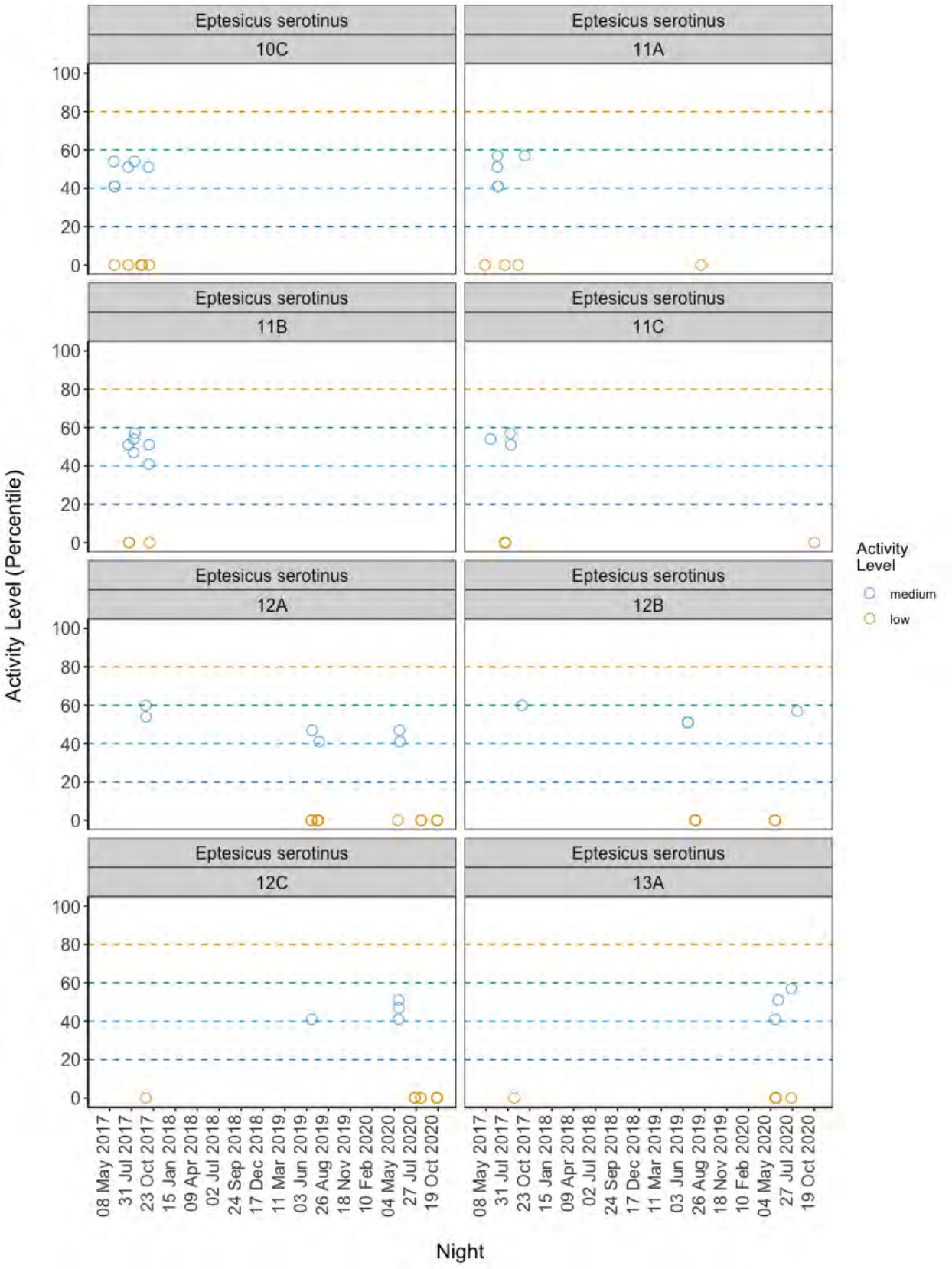
Figure 3. The activity level (percentile) of bats recorded across each night of the bat survey.

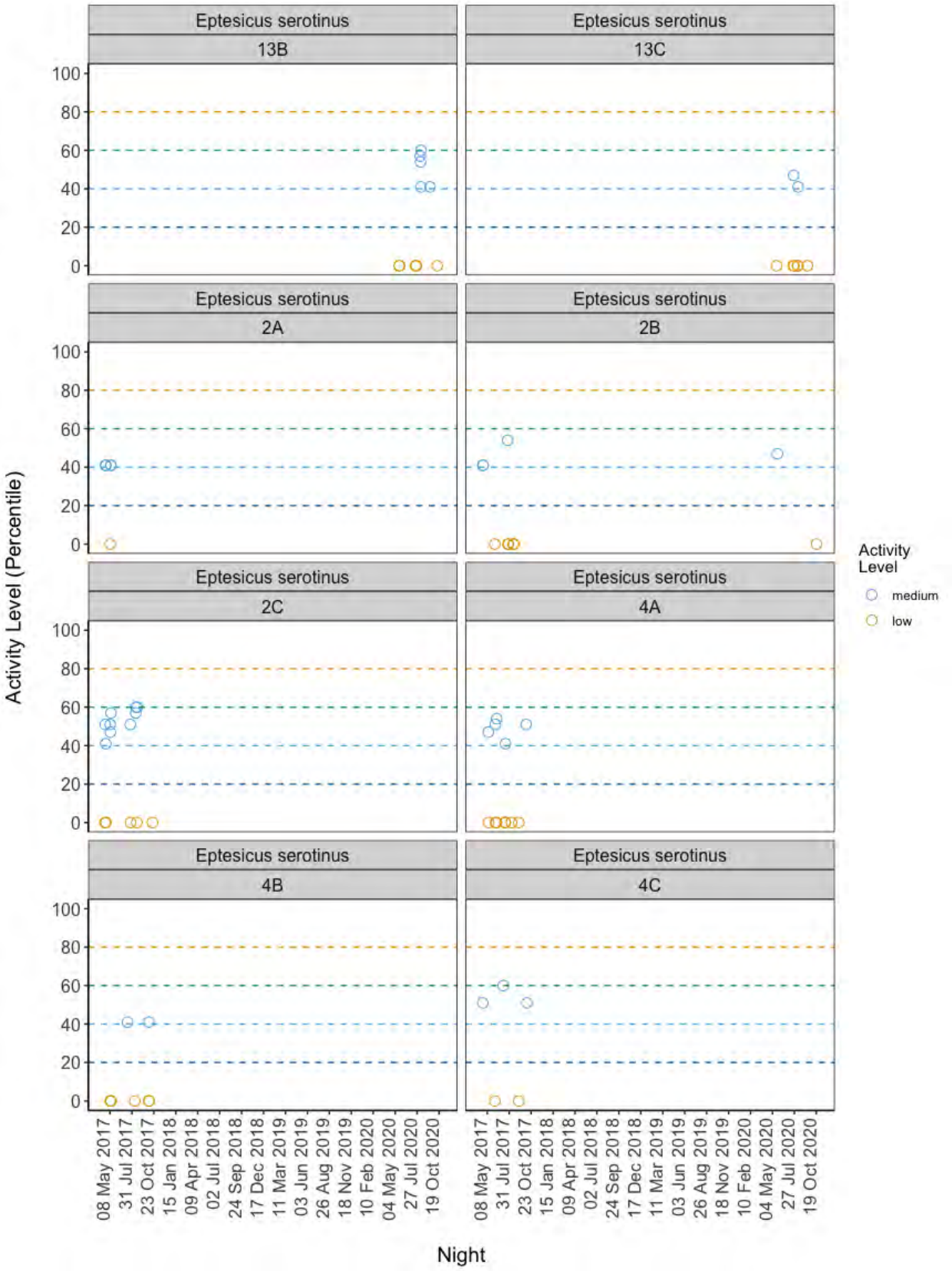

Barbastella barbastellus
10A
10B
10C
11A
11B
11C
12A
12B
Activity Level (Percentile)
0
20
40
60
80
100
Night
08 May 2017
31 Jul 2017
23 Oct 2017
15 Jan 2018
09 Apr 2018
02 Jul 2018
24 Sep 2018
17 Dec 2018
11 Mar 2019
03 Jun 2019
26 Aug 2019
18 Nov 2019
10 Feb 2020
04 May 2020
27 Jul 2020
19 Oct 2020
Activity Level
medium
low

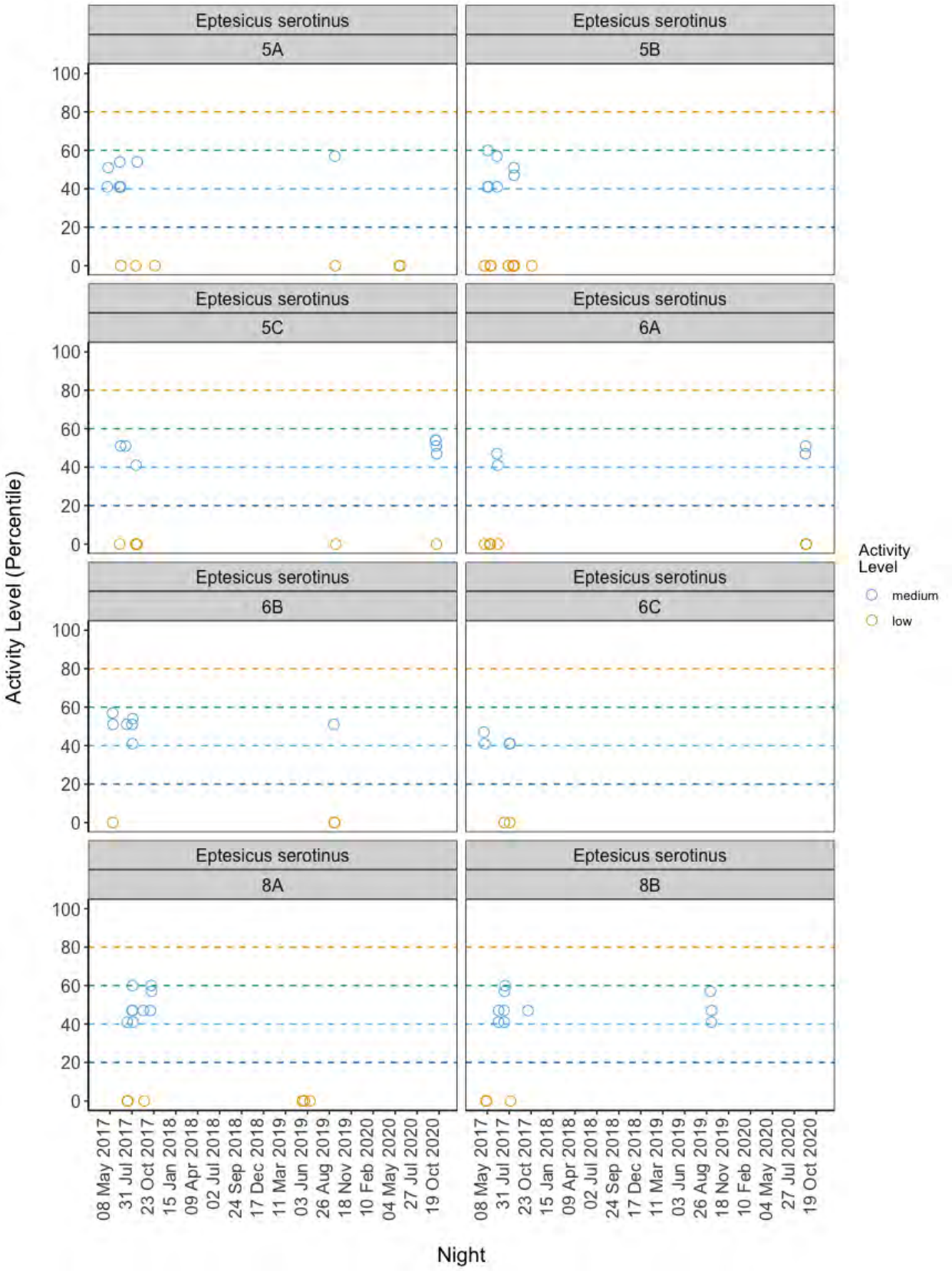

Barbastella barbastellus
12C
13A
13B
13C
2A
2B
2C
4A
Activity Level (Percentile)
0
20
40
60
80
100
08 May 2017
31 Jul 2017
23 Oct 2017
15 Jan 2018
09 Apr 2018
02 Jul 2018
24 Sep 2018
17 Dec 2018
11 Mar 2019
03 Jun 2019
26 Aug 2019
18 Nov 2019
10 Feb 2020
04 May 2020
27 Jul 2020
19 Oct 2020
Night
Activity Level
medium
low

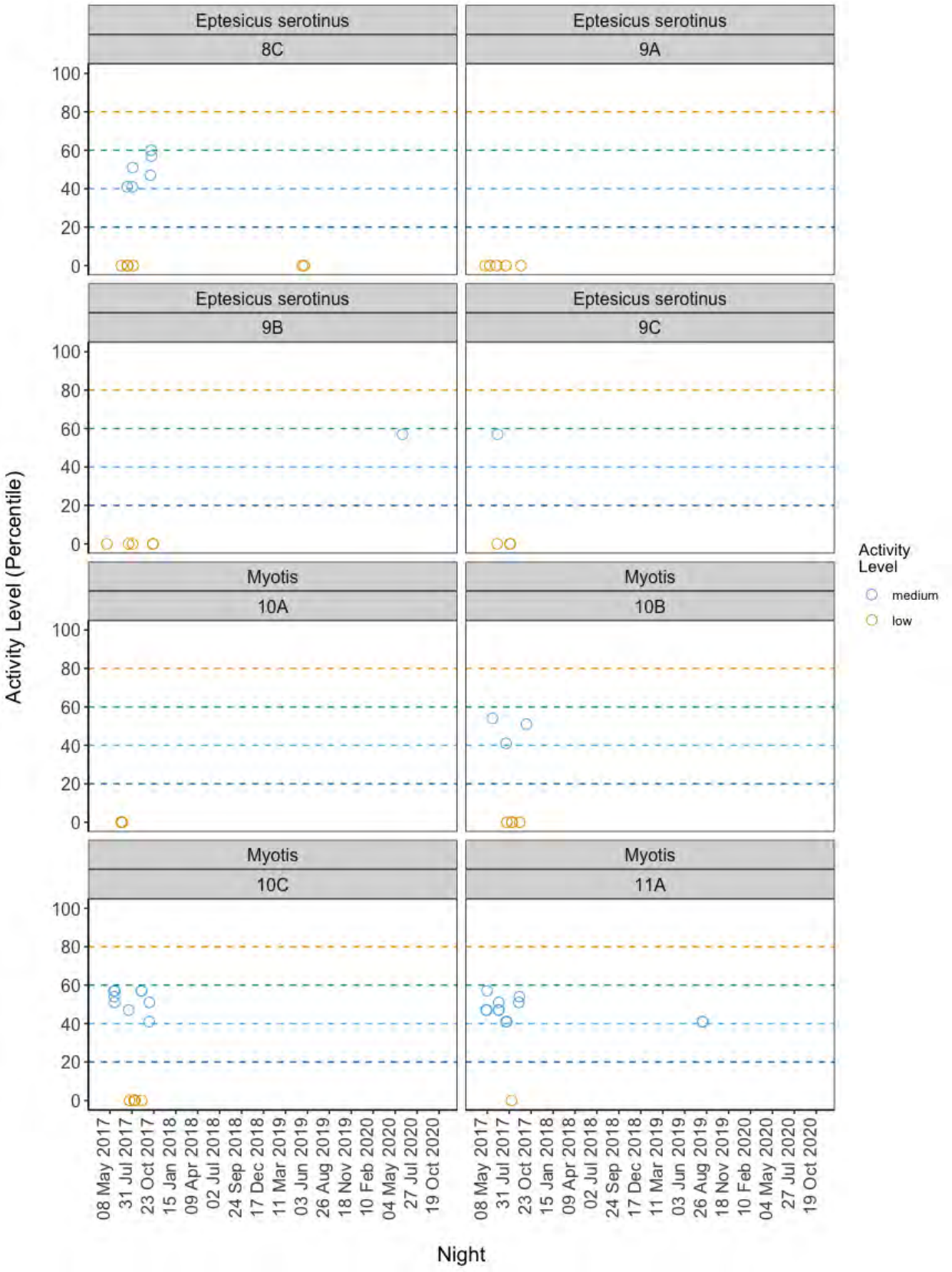

Barbastella barbastellus
4B
4C
5A
5B
5C
6A
6B
6C
Activity Level (Percentile)
0
20
40
60
80
100
08 May 2017
31 Jul 2017
23 Oct 2017
15 Jan 2018
09 Apr 2018
02 Jul 2018
24 Sep 2018
17 Dec 2018
11 Mar 2019
03 Jun 2019
26 Aug 2019
18 Nov 2019
10 Feb 2020
04 May 2020
27 Jul 2020
19 Oct 2020
Night
Activity Level
medium
low

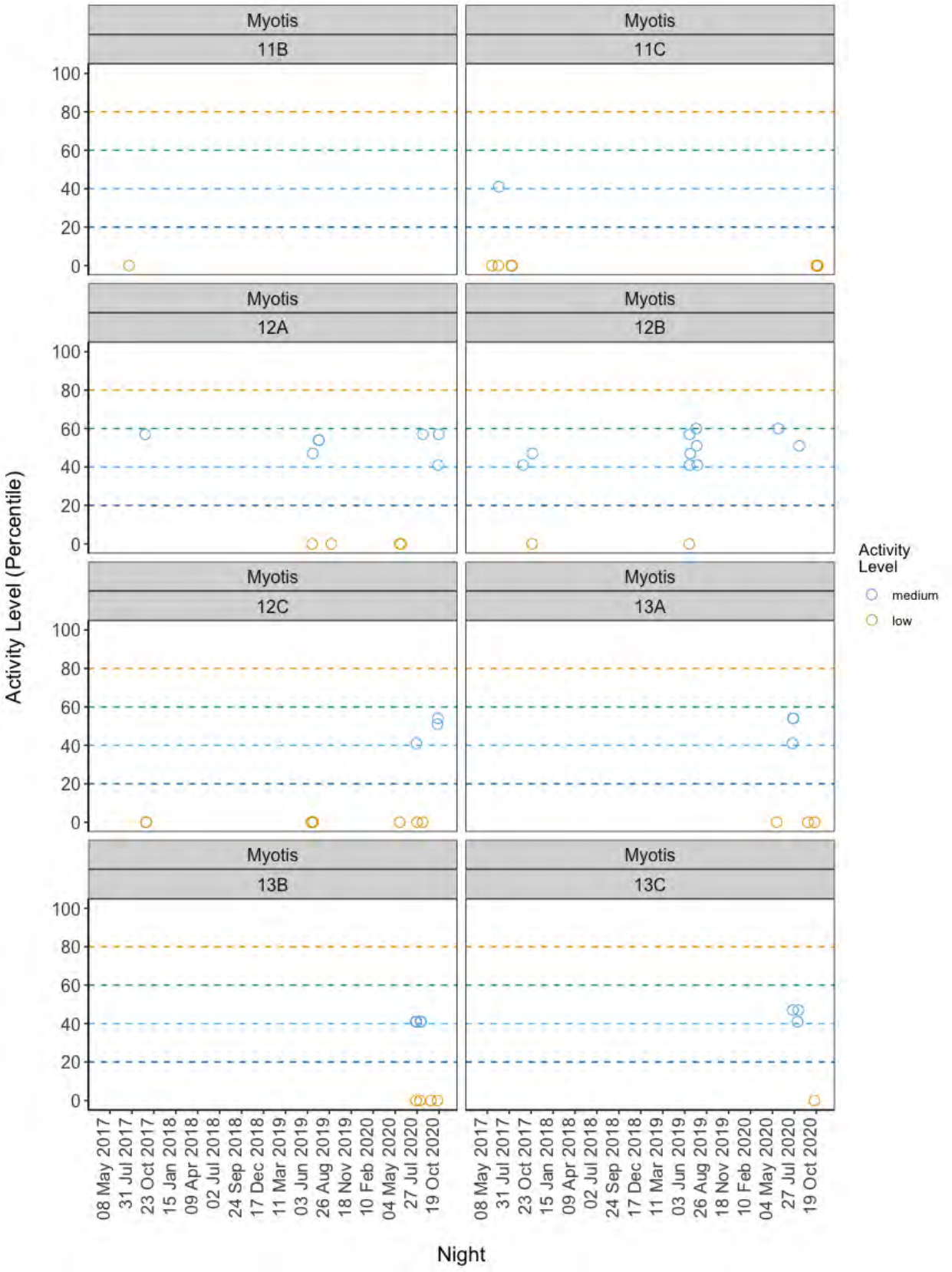

Barbastella barbastellus
8A
8B
8C
9A
9B
9C
Eptesicus serotinus
10A
10B
Activity Level (Percentile)
0
20
40
60
80
100
Activity Level
medium
low
08 May 2017
31 Jul 2017
23 Oct 2017
15 Jan 2018
09 Apr 2018
02 Jul 2018
24 Sep 2018
17 Dec 2018
11 Mar 2019
03 Jun 2019
26 Aug 2019
18 Nov 2019
10 Feb 2020
04 May 2020
27 Jul 2020
19 Oct 2020
Night

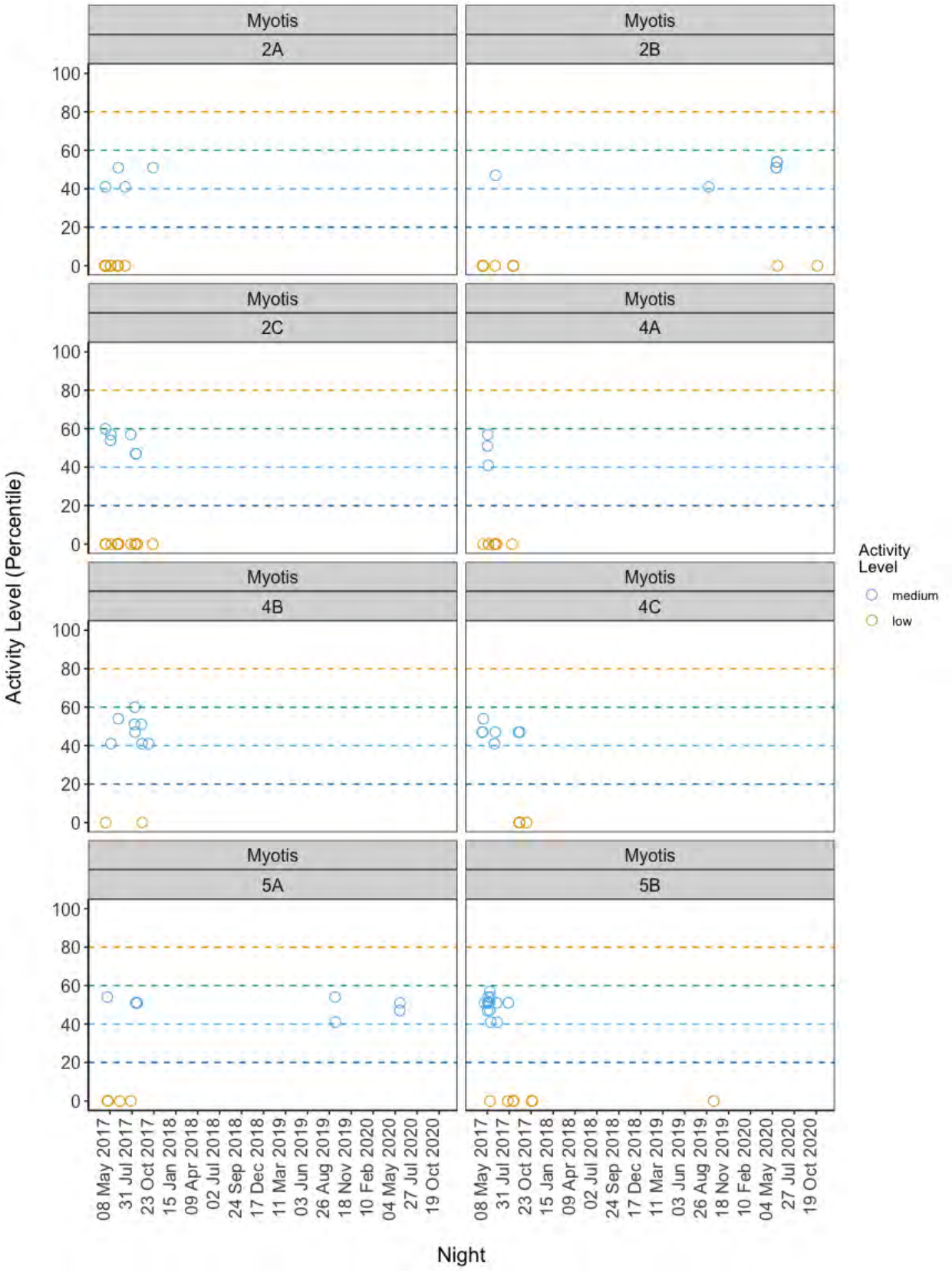

Eptesicus serotinus
10C
11A
11B
11C
12A
12B
12C
13A
Activity Level (Percentile)
0
20
40
60
80
100
08 May 2017
31 Jul 2017
23 Oct 2017
15 Jan 2018
09 Apr 2018
02 Jul 2018
24 Sep 2018
17 Dec 2018
11 Mar 2019
03 Jun 2019
26 Aug 2019
18 Nov 2019
10 Feb 2020
04 May 2020
27 Jul 2020
19 Oct 2020
Night
Activity Level
medium
low

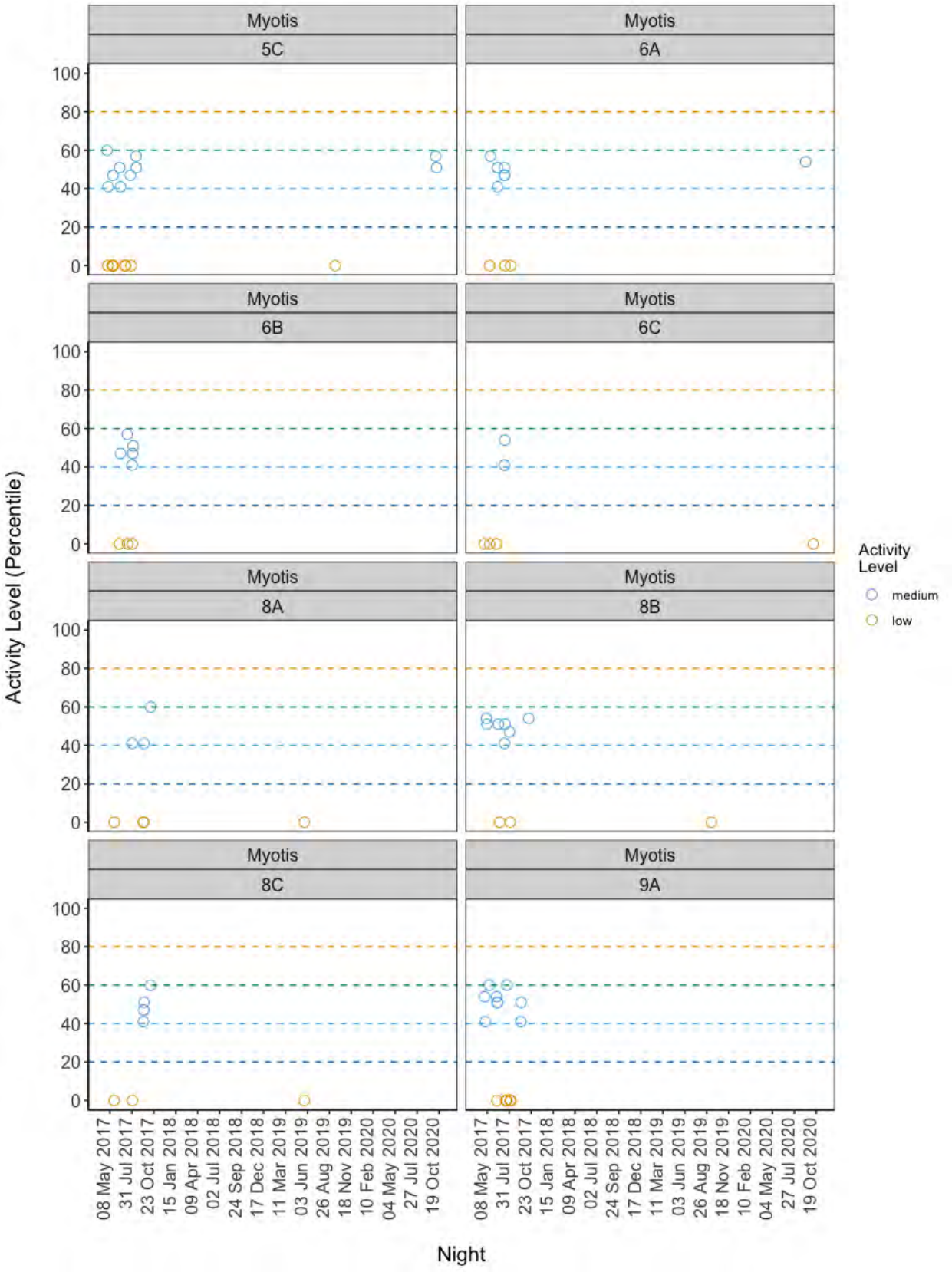

Eptesicus serotinus
13B
13C
2A
2B
2C
4A
4B
4C
Activity Level (Percentile)
0
20
40
60
80
100
08 May 2017
31 Jul 2017
23 Oct 2017
15 Jan 2018
09 Apr 2018
02 Jul 2018
24 Sep 2018
17 Dec 2018
11 Mar 2019
03 Jun 2019
26 Aug 2019
18 Nov 2019
10 Feb 2020
04 May 2020
27 Jul 2020
19 Oct 2020
Night
Activity Level
medium
low

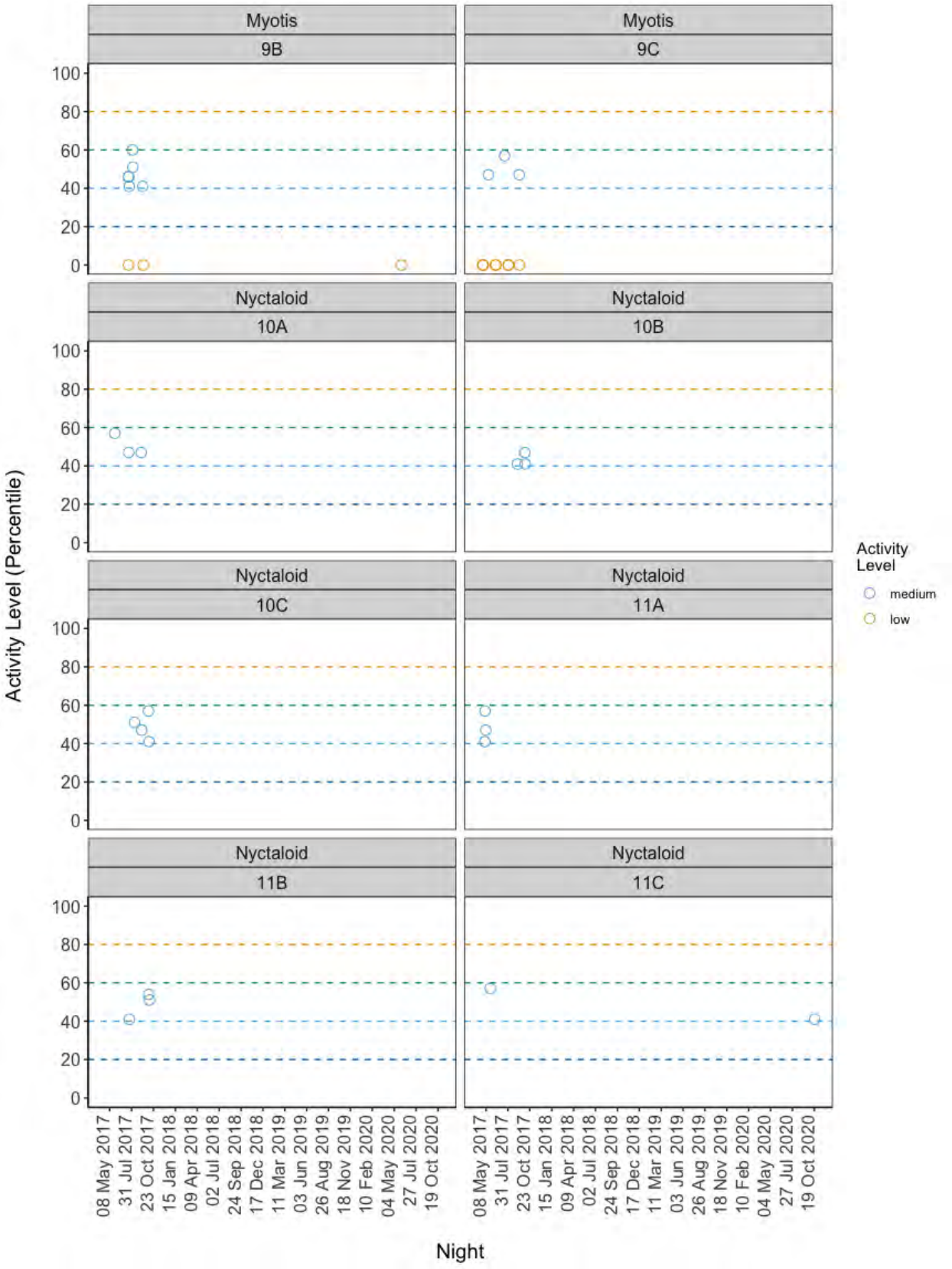

Eptesicus serotinus
5A
5B
5C
6A
6B
6C
8A
8B
Activity Level (Percentile)
0
20
40
60
80
100
08 May 2017
31 Jul 2017
23 Oct 2017
15 Jan 2018
09 Apr 2018
02 Jul 2018
24 Sep 2018
17 Dec 2018
11 Mar 2019
03 Jun 2019
26 Aug 2019
18 Nov 2019
10 Feb 2020
04 May 2020
27 Jul 2020
19 Oct 2020
Night
Activity Level
medium
low

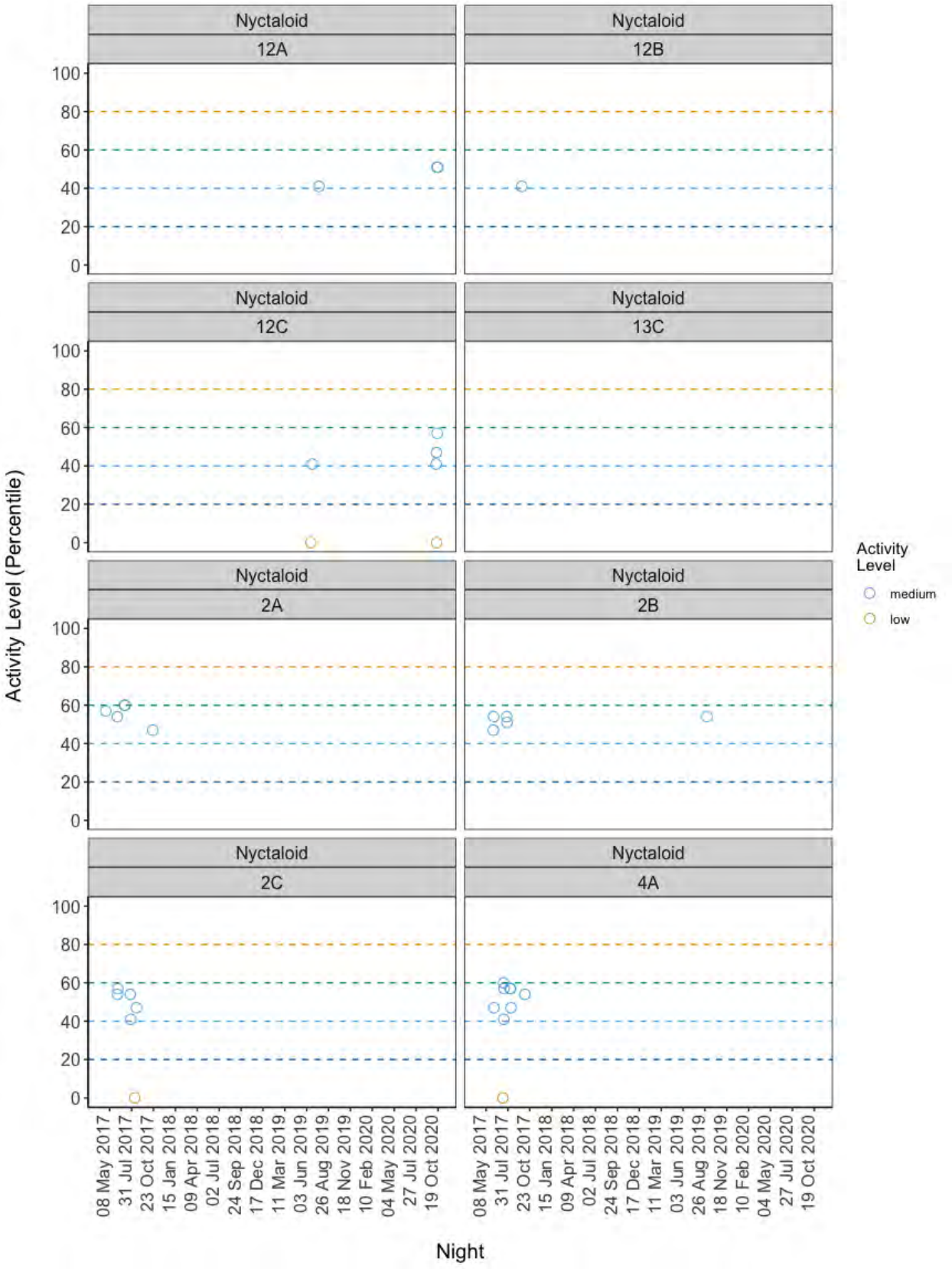

Eptesicus serotinus
8C
Eptesicus serotinus
9A
Eptesicus serotinus
9B
Eptesicus serotinus
9C
Myotis
10A
Myotis
10B
Myotis
10C
Myotis
11A
Activity Level (Percentile)
0
20
40
60
80
100
08 May 2017
31 Jul 2017
23 Oct 2017
15 Jan 2018
09 Apr 2018
02 Jul 2018
24 Sep 2018
17 Dec 2018
11 Mar 2019
03 Jun 2019
26 Aug 2019
18 Nov 2019
10 Feb 2020
04 May 2020
27 Jul 2020
19 Oct 2020
Night
Activity Level
medium
low

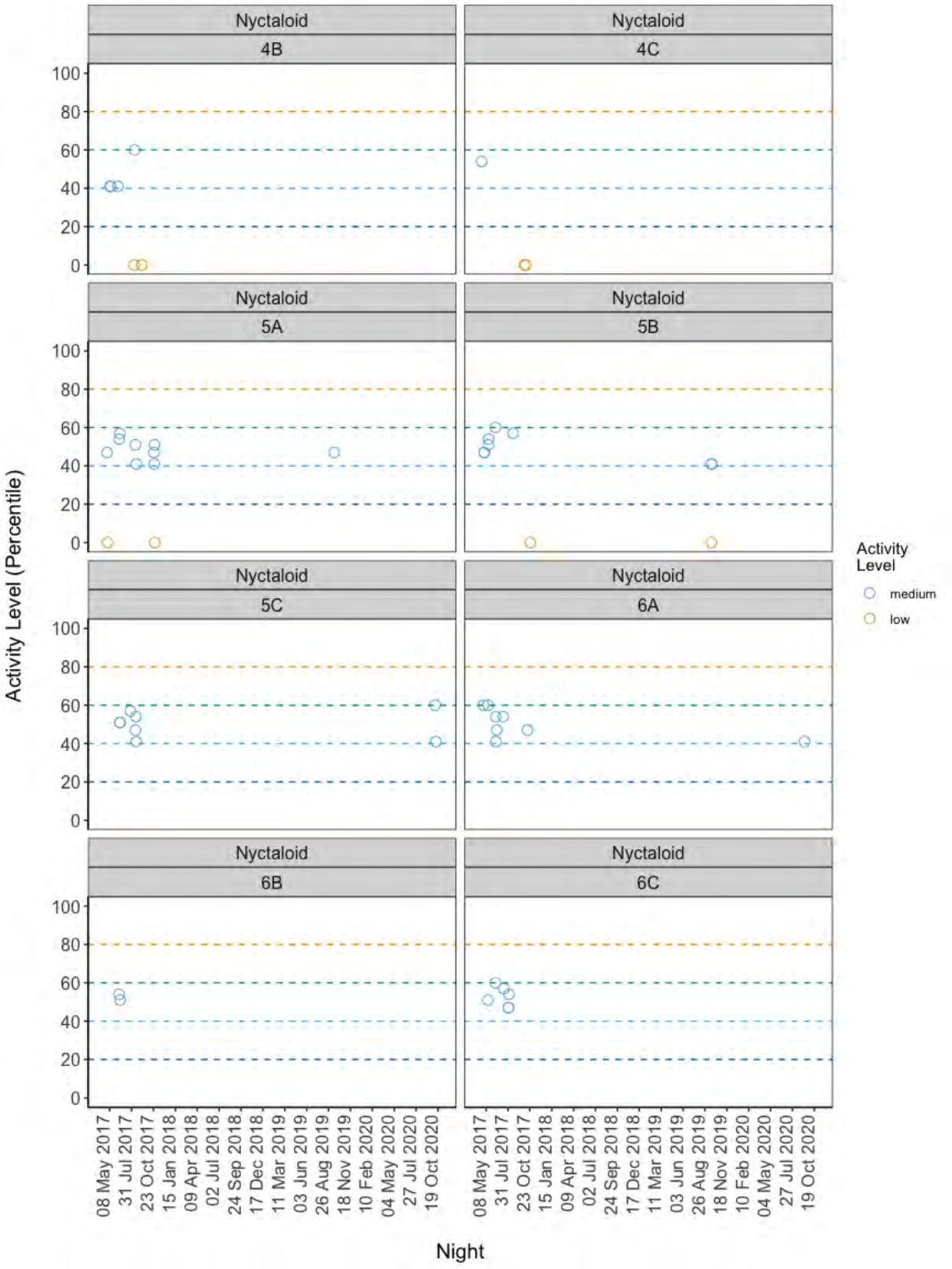

Myotis
11B
11C
12A
12B
12C
13A
13B
13C
Activity Level (Percentile)
0
20
40
60
80
100
08 May 2017
31 Jul 2017
23 Oct 2017
15 Jan 2018
09 Apr 2018
02 Jul 2018
24 Sep 2018
17 Dec 2018
11 Mar 2019
03 Jun 2019
26 Aug 2019
18 Nov 2019
10 Feb 2020
04 May 2020
27 Jul 2020
19 Oct 2020
Night
Activity Level
medium
low

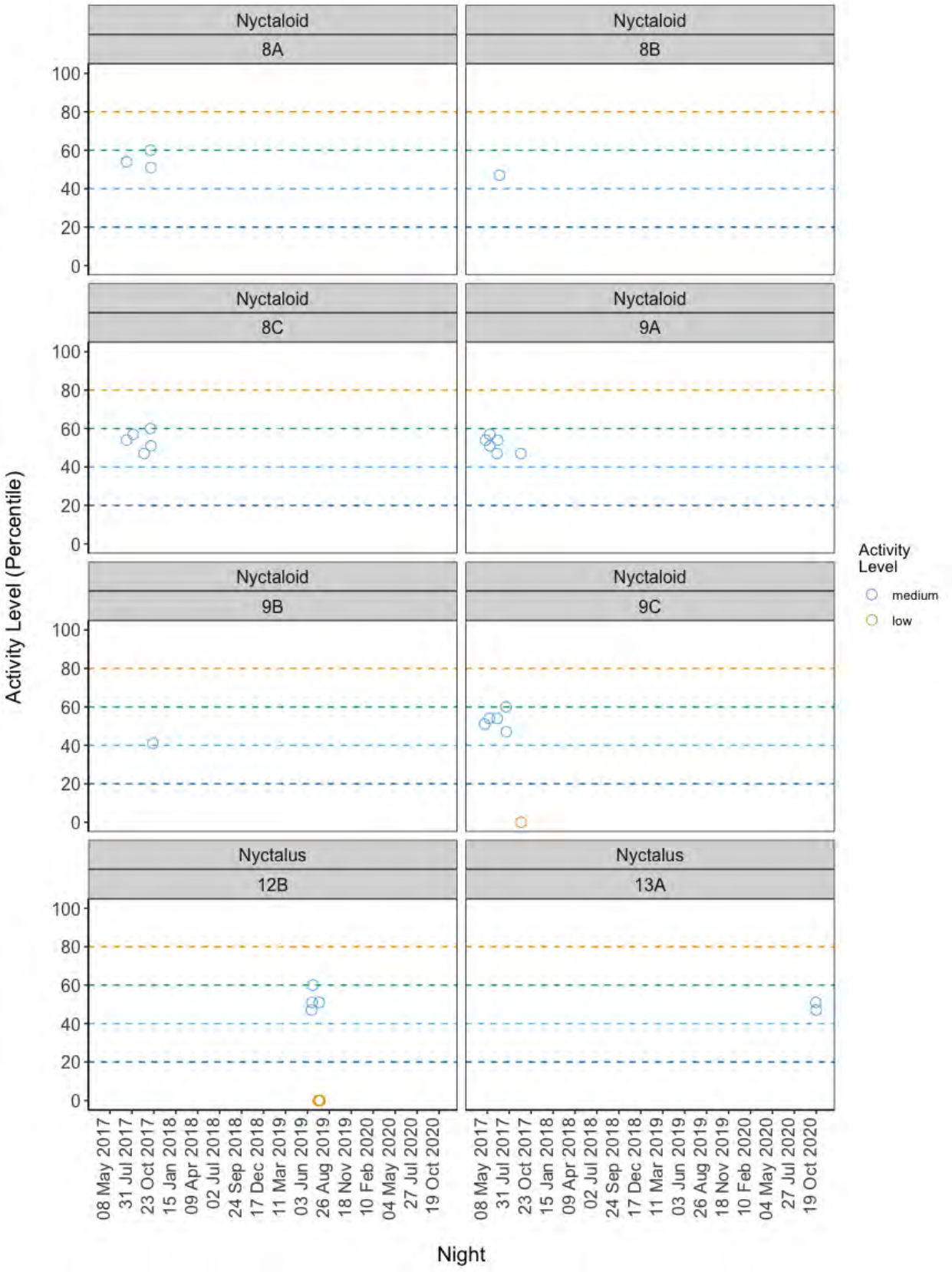

Myotis
2A
2B
2C
4A
4B
4C
5A
5B
Activity Level (Percentile)
0
20
40
60
80
100
08 May 2017
31 Jul 2017
23 Oct 2017
15 Jan 2018
09 Apr 2018
02 Jul 2018
24 Sep 2018
17 Dec 2018
11 Mar 2019
03 Jun 2019
26 Aug 2019
18 Nov 2019
10 Feb 2020
04 May 2020
27 Jul 2020
19 Oct 2020
Night
Activity Level
medium
low

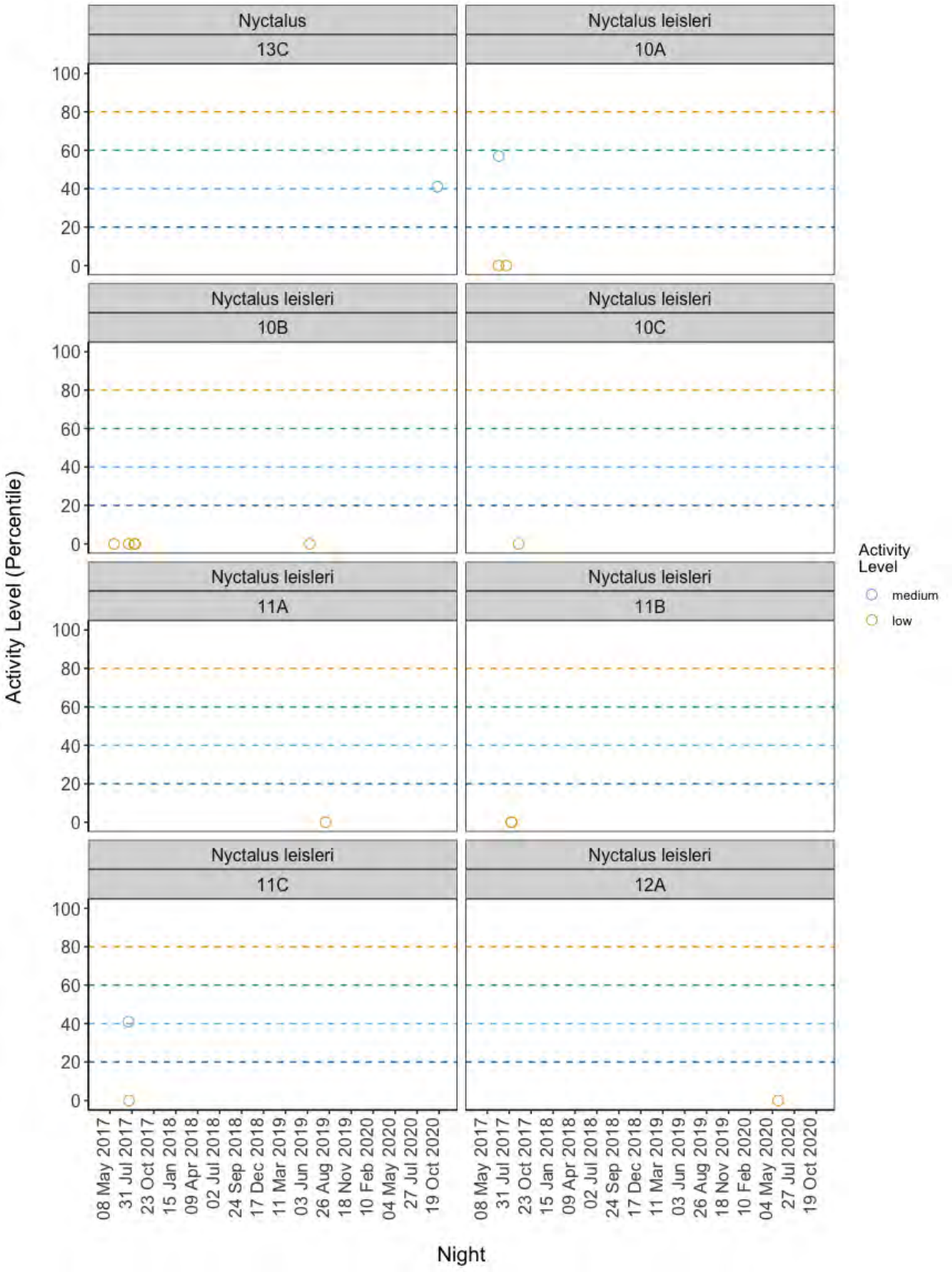

Myotis
5C
6A
6B
6C
8A
8B
8C
9A
Activity Level (Percentile)
0
20
40
60
80
100
08 May 2017
31 Jul 2017
23 Oct 2017
15 Jan 2018
09 Apr 2018
02 Jul 2018
24 Sep 2018
17 Dec 2018
11 Mar 2019
03 Jun 2019
26 Aug 2019
18 Nov 2019
10 Feb 2020
04 May 2020
27 Jul 2020
19 Oct 2020
Night
Activity Level
medium
low

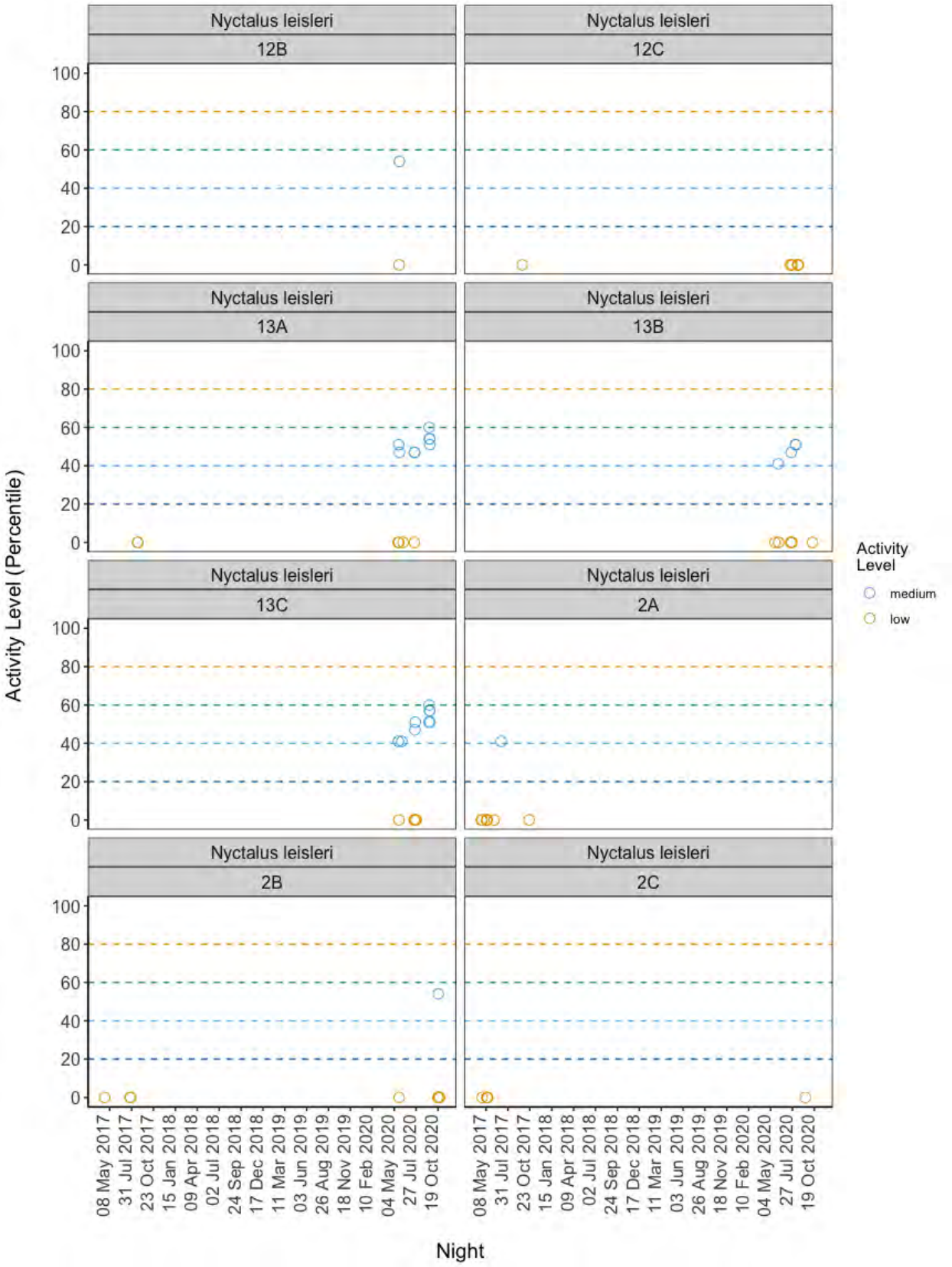

Myotis
9B
Myotis
9C
Nyctaloid
10A
Nyctaloid
10B
Nyctaloid
10C
Nyctaloid
11A
Nyctaloid
11B
Nyctaloid
11C
Activity Level (Percentile)
0
20
40
60
80
100
08 May 2017
31 Jul 2017
23 Oct 2017
15 Jan 2018
09 Apr 2018
02 Jul 2018
24 Sep 2018
17 Dec 2018
11 Mar 2019
03 Jun 2019
26 Aug 2019
18 Nov 2019
10 Feb 2020
04 May 2020
27 Jul 2020
19 Oct 2020
Night
Activity Level
medium
low

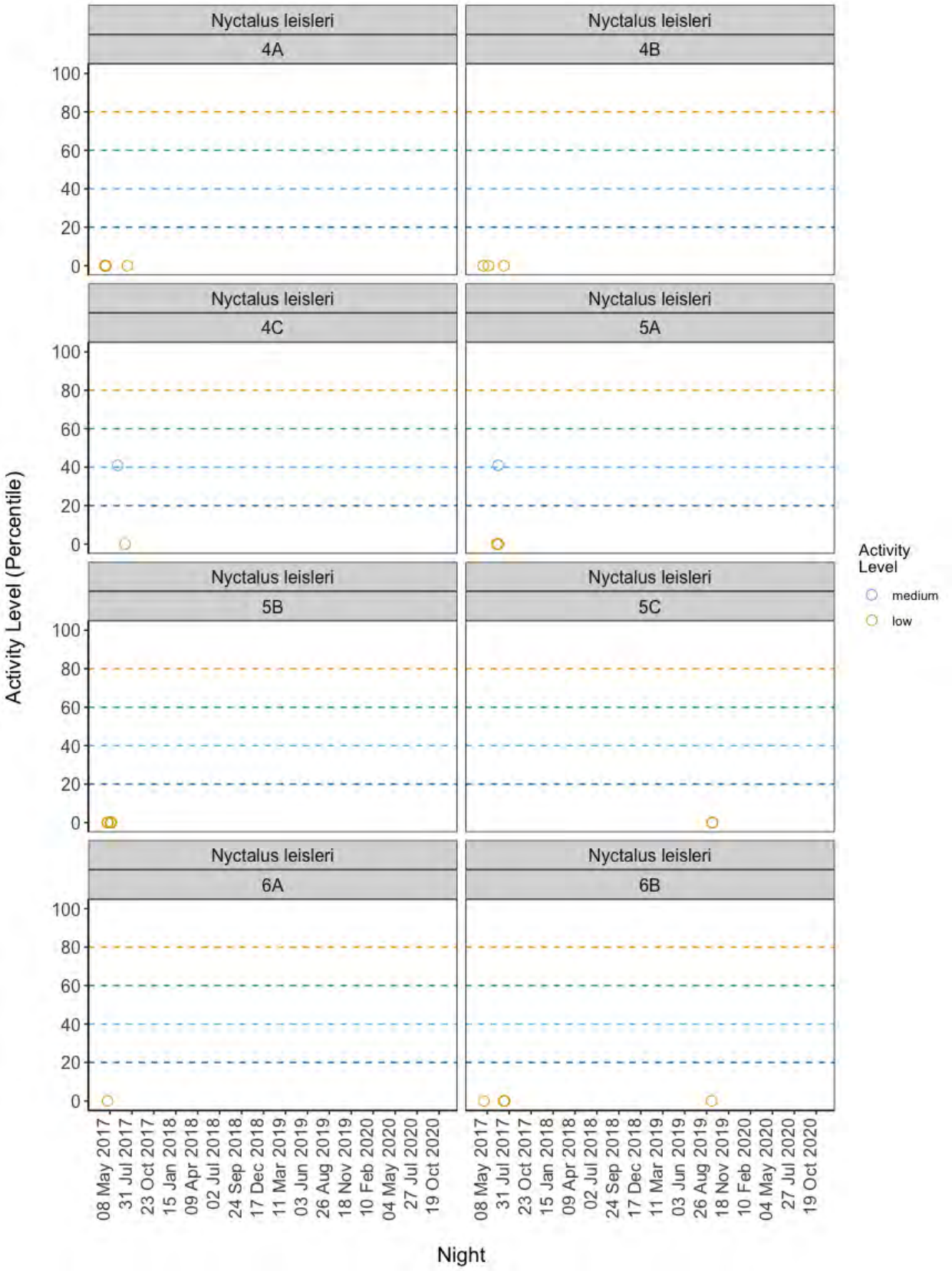

Nyctaloid
12A
12B
12C
13C
2A
2B
2C
4A
Activity Level (Percentile)
0
20
40
60
80
100
08 May 2017
31 Jul 2017
23 Oct 2017
15 Jan 2018
09 Apr 2018
02 Jul 2018
24 Sep 2018
17 Dec 2018
11 Mar 2019
03 Jun 2019
26 Aug 2019
18 Nov 2019
10 Feb 2020
04 May 2020
27 Jul 2020
19 Oct 2020
Night
Activity Level
medium
low

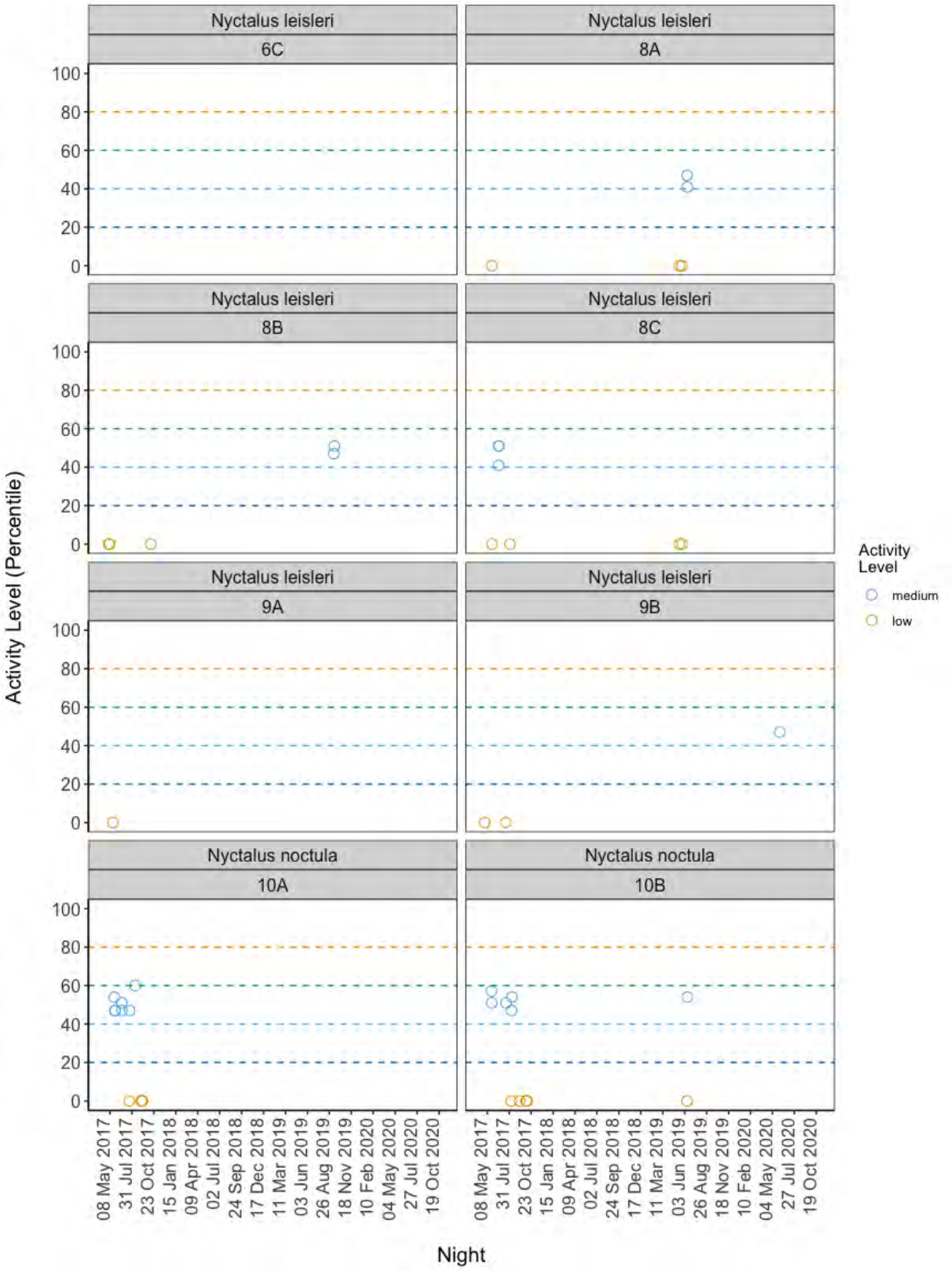

Nyctaloid
4B
4C
5A
5B
5C
6A
6B
6C
Activity Level (Percentile)
0
20
40
60
80
100
08 May 2017
31 Jul 2017
23 Oct 2017
15 Jan 2018
09 Apr 2018
02 Jul 2018
24 Sep 2018
17 Dec 2018
11 Mar 2019
03 Jun 2019
26 Aug 2019
18 Nov 2019
10 Feb 2020
04 May 2020
27 Jul 2020
19 Oct 2020
Night
Activity Level
medium
low

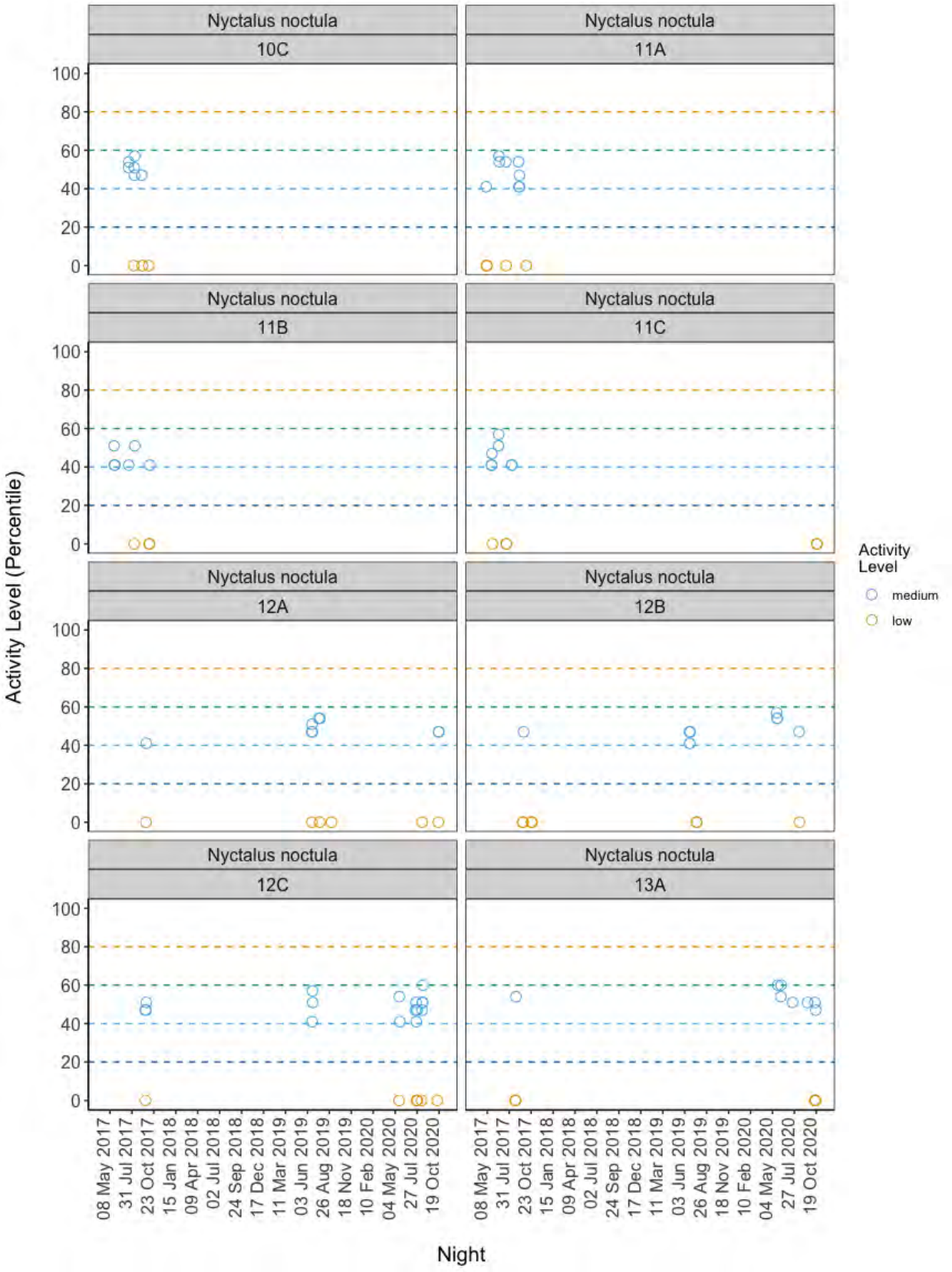

Nyctaloid
8A
Nyctaloid
8B
Nyctaloid
8C
Nyctaloid
9A
Nyctaloid
9B
Nyctaloid
9C
Nyctalus
12B
Nyctalus
13A
Activity Level (Percentile)
0
20
40
60
80
100
08 May 2017
31 Jul 2017
23 Oct 2017
15 Jan 2018
09 Apr 2018
02 Jul 2018
24 Sep 2018
17 Dec 2018
11 Mar 2019
03 Jun 2019
26 Aug 2019
18 Nov 2019
10 Feb 2020
04 May 2020
27 Jul 2020
19 Oct 2020
Night
Activity Level
medium
low


Nyctalus
13C
Nyctalus leisleri
10A
Nyctalus leisleri
10B
Nyctalus leisleri
10C
Nyctalus leisleri
11A
Nyctalus leisleri
11B
Nyctalus leisleri
11C
Nyctalus leisleri
12A
Activity Level (Percentile)
100
80
60
40
20
0
08 May 2017
31 Jul 2017
23 Oct 2017
15 Jan 2018
09 Apr 2018
02 Jul 2018
24 Sep 2018
17 Dec 2018
11 Mar 2019
03 Jun 2019
26 Aug 2019
18 Nov 2019
10 Feb 2020
04 May 2020
27 Jul 2020
19 Oct 2020
Night
Activity Level
medium
low


Nyctalus leisleri
12B
12C
13A
13B
13C
2A
2B
2C
Activity Level (Percentile)
0
20
40
60
80
100
08 May 2017
31 Jul 2017
23 Oct 2017
15 Jan 2018
09 Apr 2018
02 Jul 2018
24 Sep 2018
17 Dec 2018
11 Mar 2019
03 Jun 2019
26 Aug 2019
18 Nov 2019
10 Feb 2020
04 May 2020
27 Jul 2020
19 Oct 2020
Night
Activity Level
medium
low


Nyctalus leisleri
4A
4B
4C
5A
5B
5C
6A
6B
Activity Level (Percentile)
0
20
40
60
80
100
08 May 2017
31 Jul 2017
23 Oct 2017
15 Jan 2018
09 Apr 2018
02 Jul 2018
24 Sep 2018
17 Dec 2018
11 Mar 2019
03 Jun 2019
26 Aug 2019
18 Nov 2019
10 Feb 2020
04 May 2020
27 Jul 2020
19 Oct 2020
Night
Activity Level
medium
low


Nyctalus leisleri
6C
Nyctalus leisleri
8A
Nyctalus leisleri
8B
Nyctalus leisleri
8C
Nyctalus leisleri
9A
Nyctalus leisleri
9B
Nyctalus noctula
10A
Nyctalus noctula
10B
Activity Level (Percentile)
0
20
40
60
80
100
08 May 2017
31 Jul 2017
23 Oct 2017
15 Jan 2018
09 Apr 2018
02 Jul 2018
24 Sep 2018
17 Dec 2018
11 Mar 2019
03 Jun 2019
26 Aug 2019
18 Nov 2019
10 Feb 2020
04 May 2020
27 Jul 2020
19 Oct 2020
Night
Activity Level
medium
low


Nyctalus noctula
10C
11A
11B
11C
12A
12B
12C
13A
Activity Level (Percentile)
0
20
40
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100
08 May 2017
31 Jul 2017
23 Oct 2017
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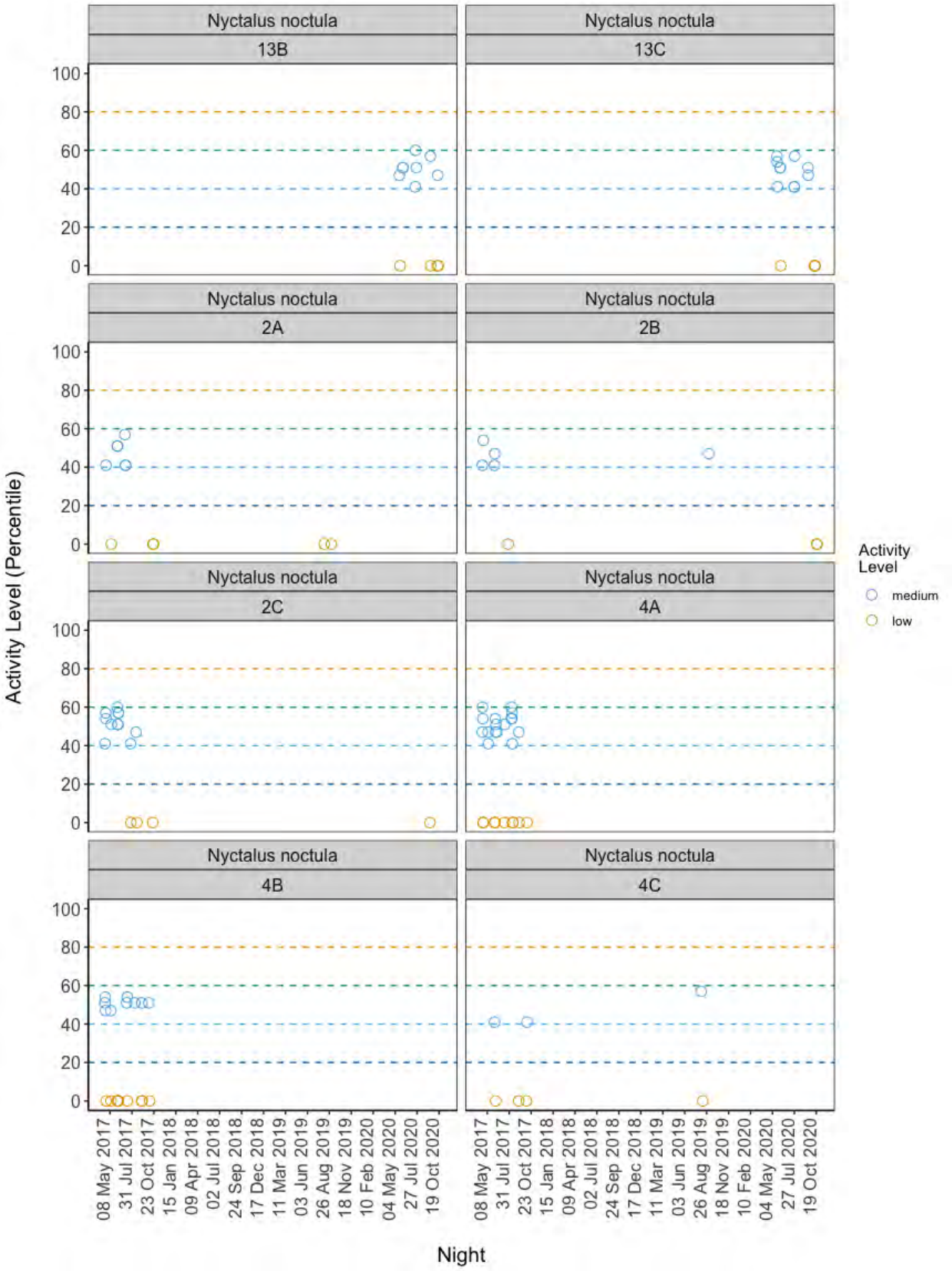
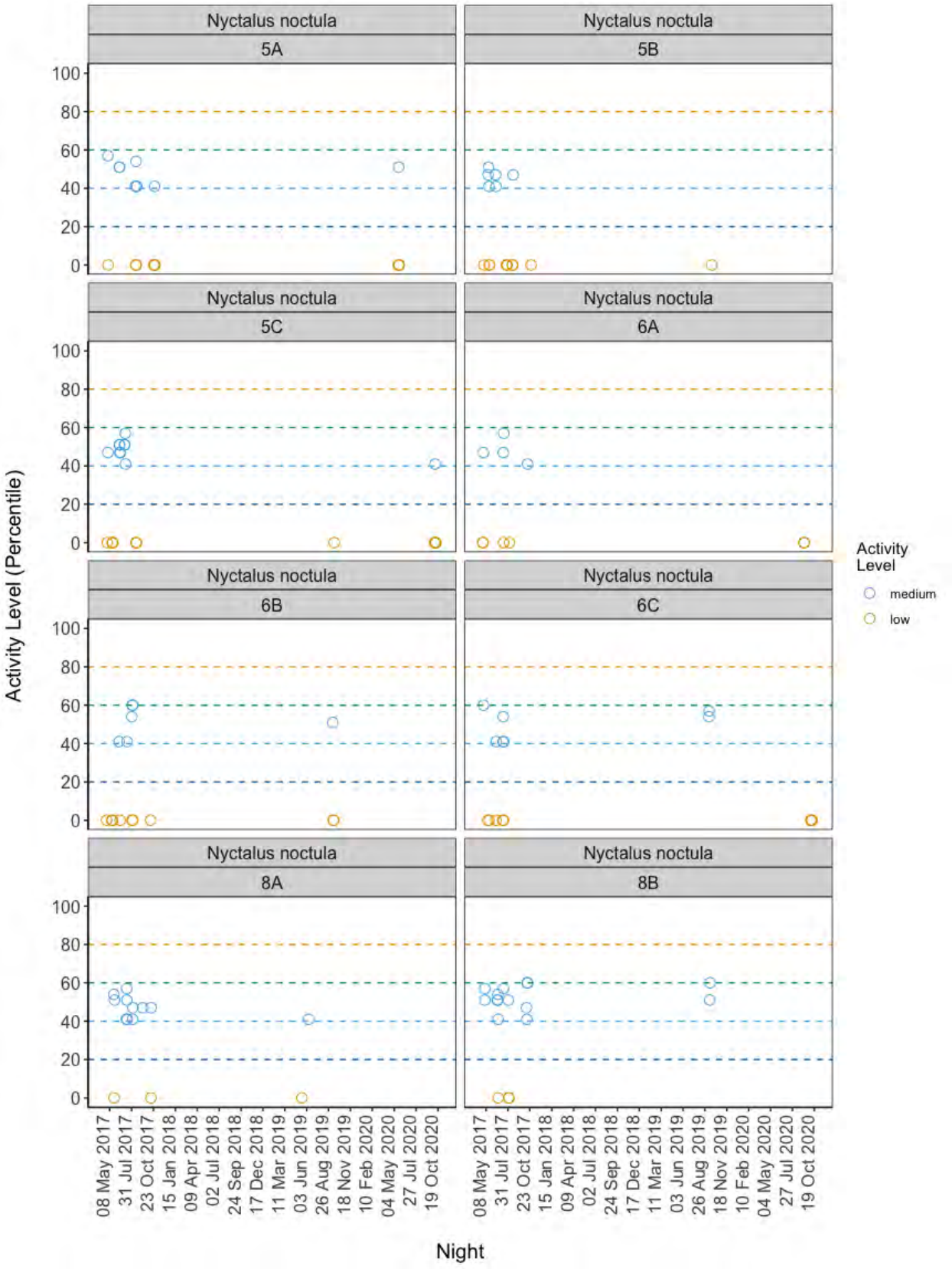
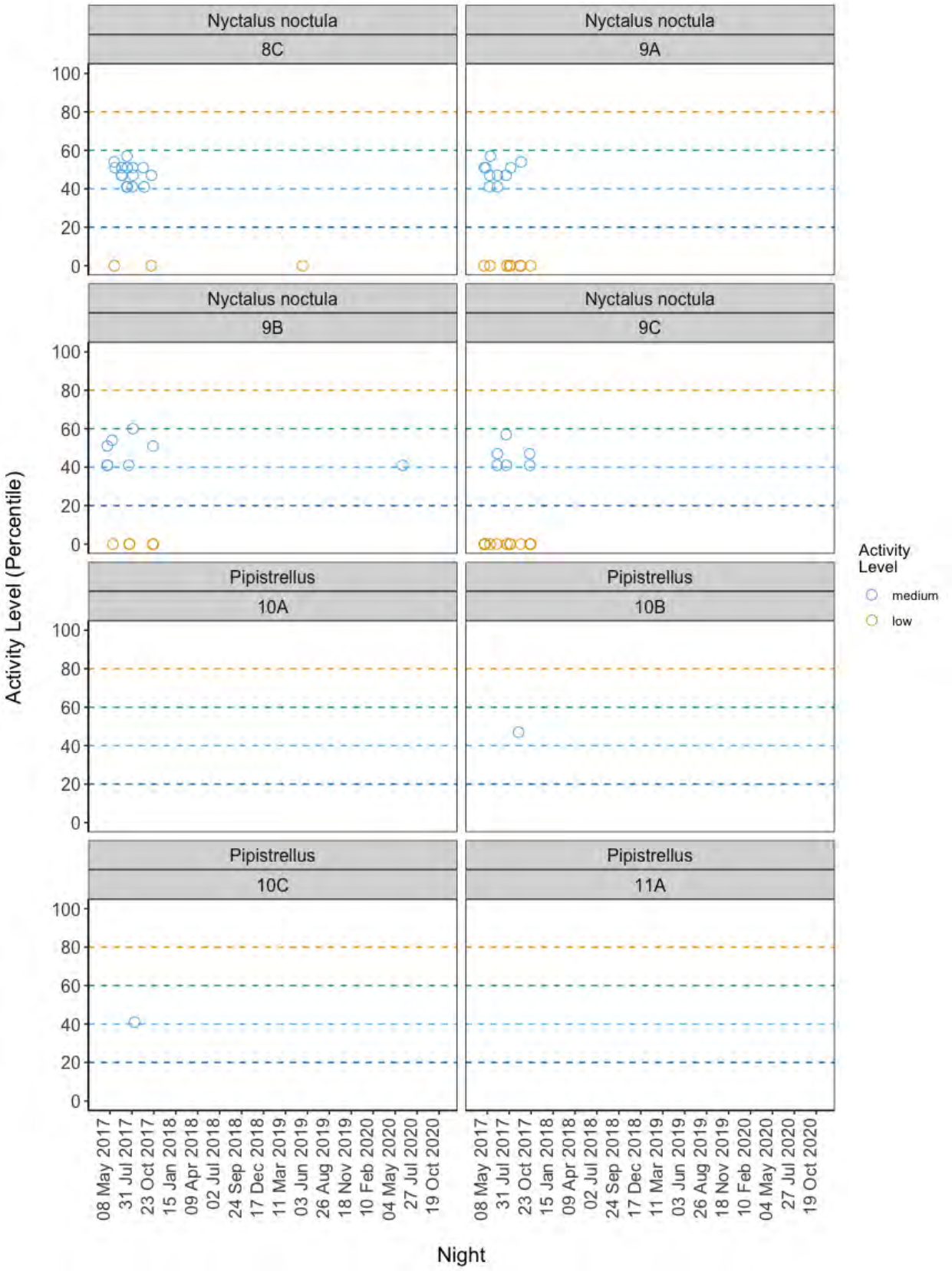
09 Apr 2018
02 Jul 2018
24 Sep 2018
17 Dec 2018
11 Mar 2019
03 Jun 2019
26 Aug 2019
18 Nov 2019
10 Feb 2020
04 May 2020
27 Jul 2020
19 Oct 2020
Night
Activity Level
medium
low


Nyctalus noctula
13B
13C
2A
2B
2C
4A
4B
4C
Activity Level (Percentile)
0
20
40
60
80
100
08 May 2017
31 Jul 2017
23 Oct 2017
15 Jan 2018
09 Apr 2018
02 Jul 2018
24 Sep 2018
17 Dec 2018
11 Mar 2019
03 Jun 2019
26 Aug 2019
18 Nov 2019
10 Feb 2020
04 May 2020
27 Jul 2020
19 Oct 2020
Night
Activity Level
medium
low


Nyctalus noctula
5A
5B
5C
6A
6B
6C
8A
8B
Activity Level (Percentile)
0
20
40
60
80
100
08 May 2017
31 Jul 2017
23 Oct 2017
15 Jan 2018
09 Apr 2018
02 Jul 2018
24 Sep 2018
17 Dec 2018
11 Mar 2019
03 Jun 2019
26 Aug 2019
18 Nov 2019
10 Feb 2020
04 May 2020
27 Jul 2020
19 Oct 2020
Night
Activity Level
medium
low


Nyctalus noctula
8C
Nyctalus noctula
9A
Nyctalus noctula
9B
Nyctalus noctula
9C
Pipistrellus
10A
Pipistrellus
10B
Pipistrellus
10C
Pipistrellus
11A
Activity Level (Percentile)
0
20
40
60
80
100
08 May 2017
31 Jul 2017
23 Oct 2017
15 Jan 2018
09 Apr 2018
02 Jul 2018
24 Sep 2018
17 Dec 2018
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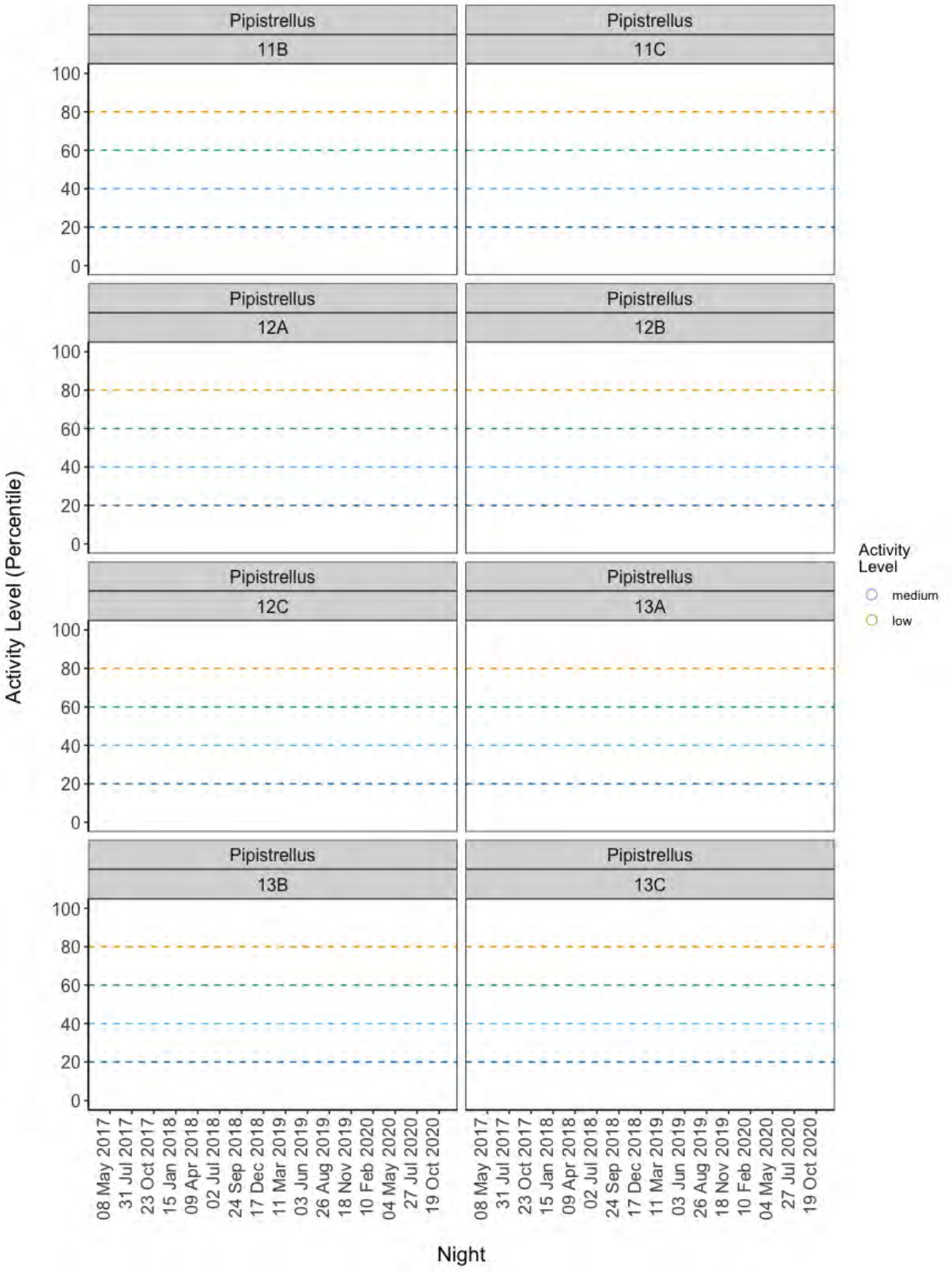
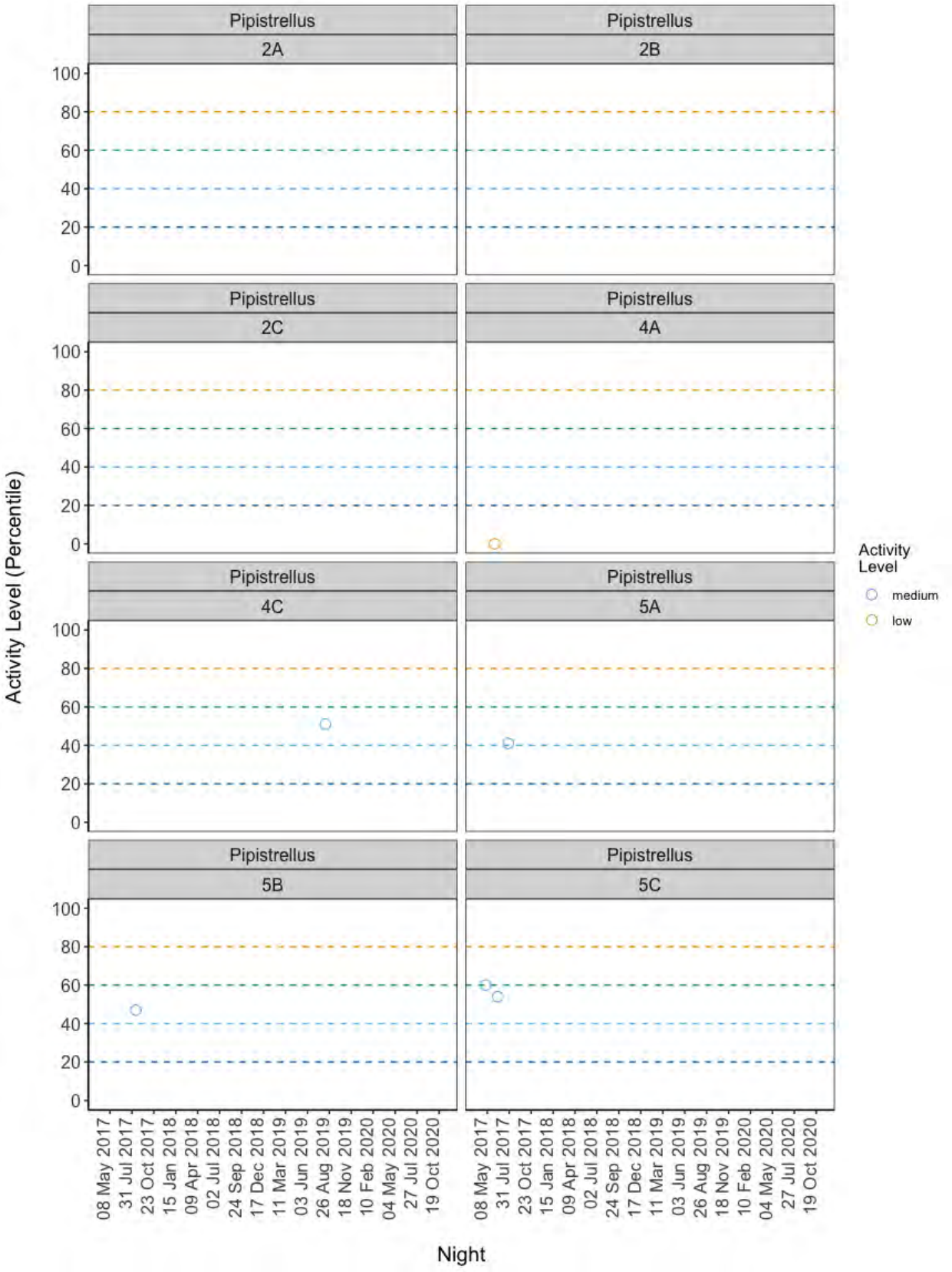
03 Jun 2019
26 Aug 2019
18 Nov 2019
10 Feb 2020
04 May 2020
27 Jul 2020
19 Oct 2020
Night
Activity Level
medium
low


Pipistrellus
11B
11C
12A
12B
12C
13A
13B
13C
Activity Level (Percentile)
100
80
60
40
20
0
08 May 2017
31 Jul 2017
23 Oct 2017
15 Jan 2018
09 Apr 2018
02 Jul 2018
24 Sep 2018
17 Dec 2018
11 Mar 2019
03 Jun 2019
26 Aug 2019
18 Nov 2019
10 Feb 2020
04 May 2020
27 Jul 2020
19 Oct 2020
Night
Activity Level
medium
low


Pipistrellus
2A
2B
2C
4A
4C
5A
5B
5C
Activity Level (Percentile)
100
80
60
40
20
0
08 May 2017
31 Jul 2017
23 Oct 2017
15 Jan 2018
09 Apr 2018
02 Jul 2018
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03 Jun 2019
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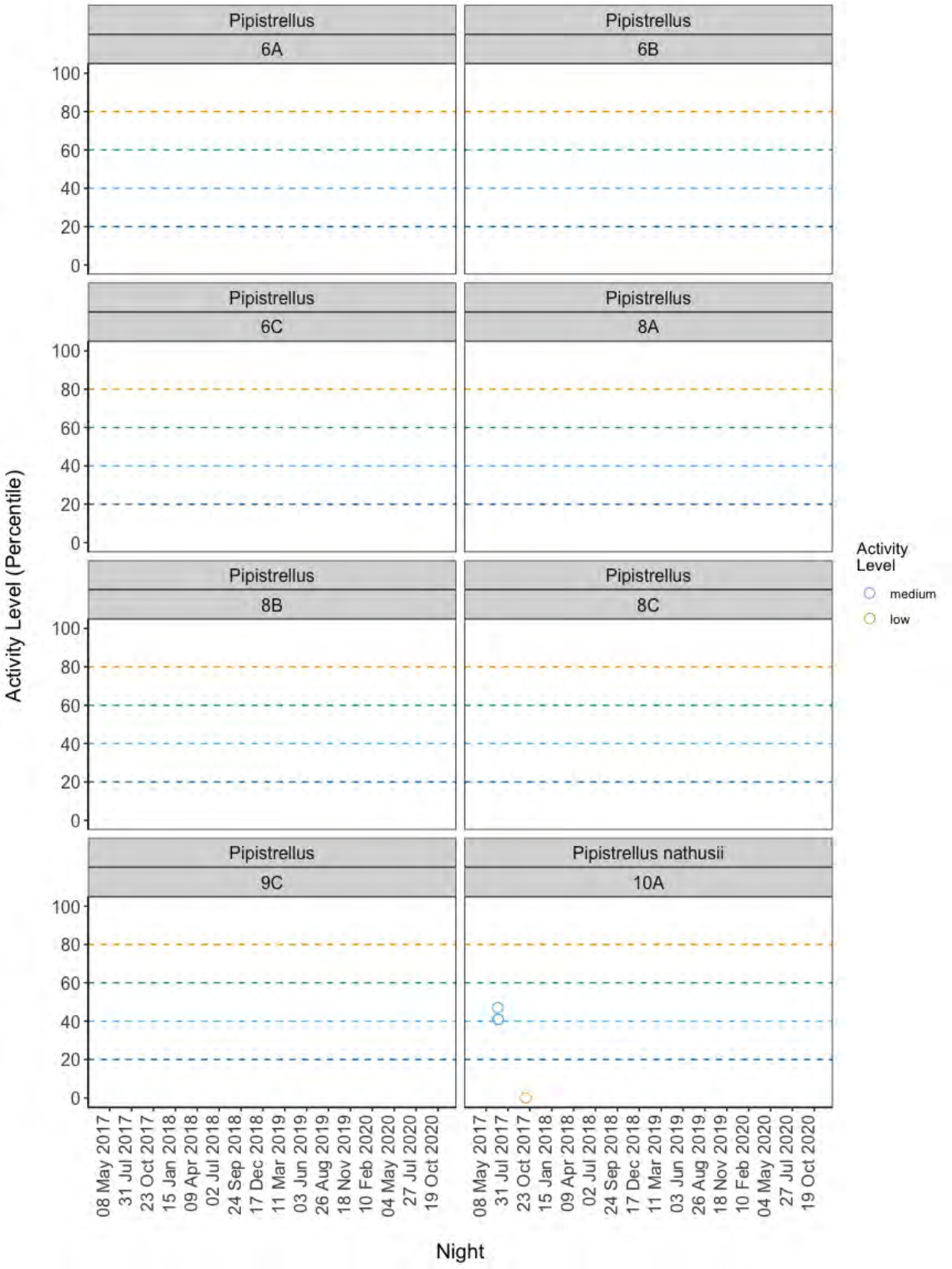
27 Jul 2020
19 Oct 2020
Night
Activity Level
medium
low


Pipistrellus
6A
Pipistrellus
6B
Pipistrellus
6C
Pipistrellus
8A
Pipistrellus
8B
Pipistrellus
8C
Pipistrellus
9C
Pipistrellus nathusii
10A
Activity Level (Percentile)
0
20
40
60
80
100
08 May 2017
31 Jul 2017
23 Oct 2017
15 Jan 2018
09 Apr 2018
02 Jul 2018
24 Sep 2018
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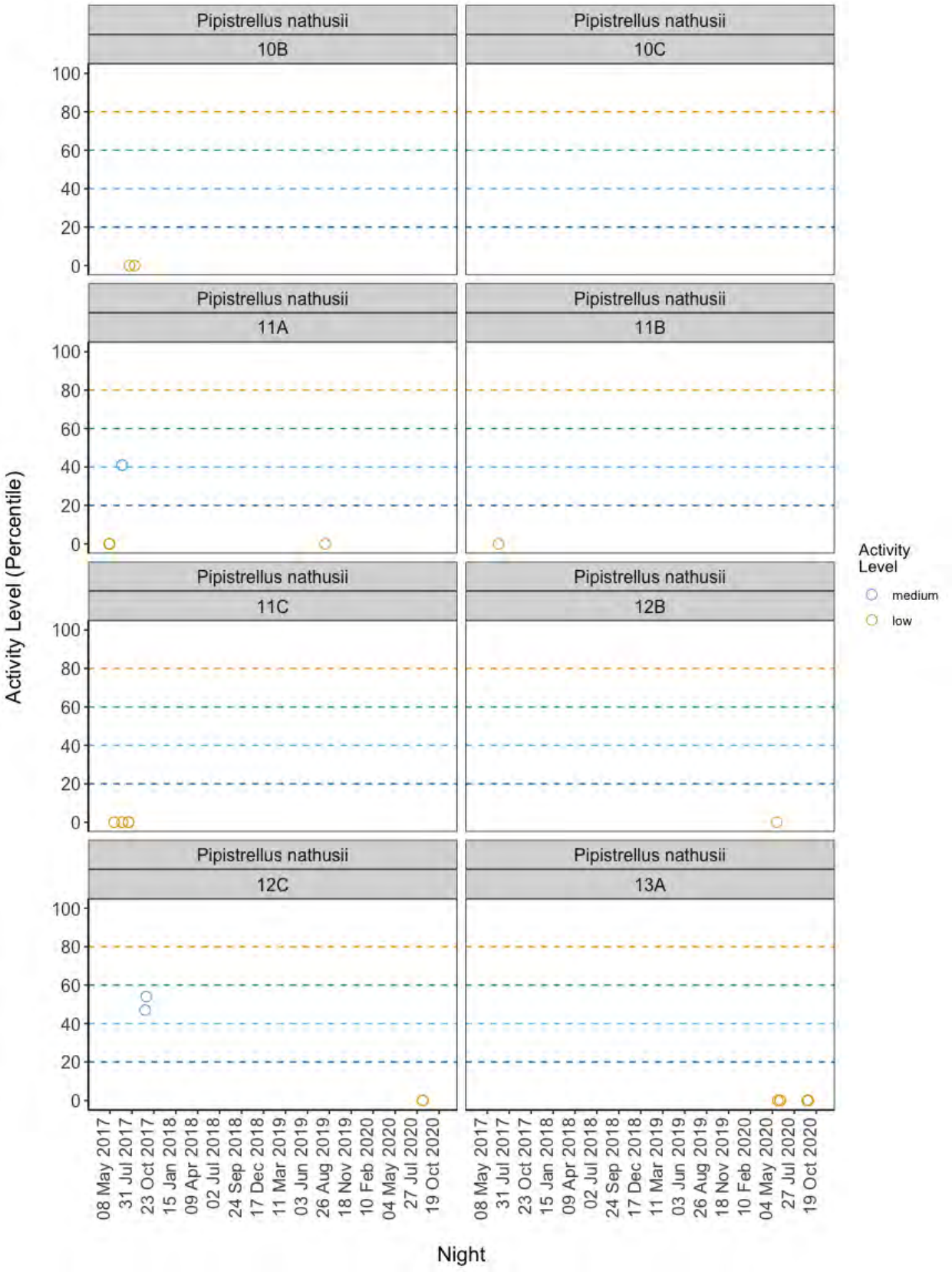
19 Oct 2020
Night
Activity Level
medium
low


Pipistrellus nathusii
10B
10C
11A
11B
11C
12B
12C
13A
Activity Level (Percentile)
0
20
40
60
80
100
Night
08 May 2017
31 Jul 2017
23 Oct 2017
15 Jan 2018
09 Apr 2018
02 Jul 2018
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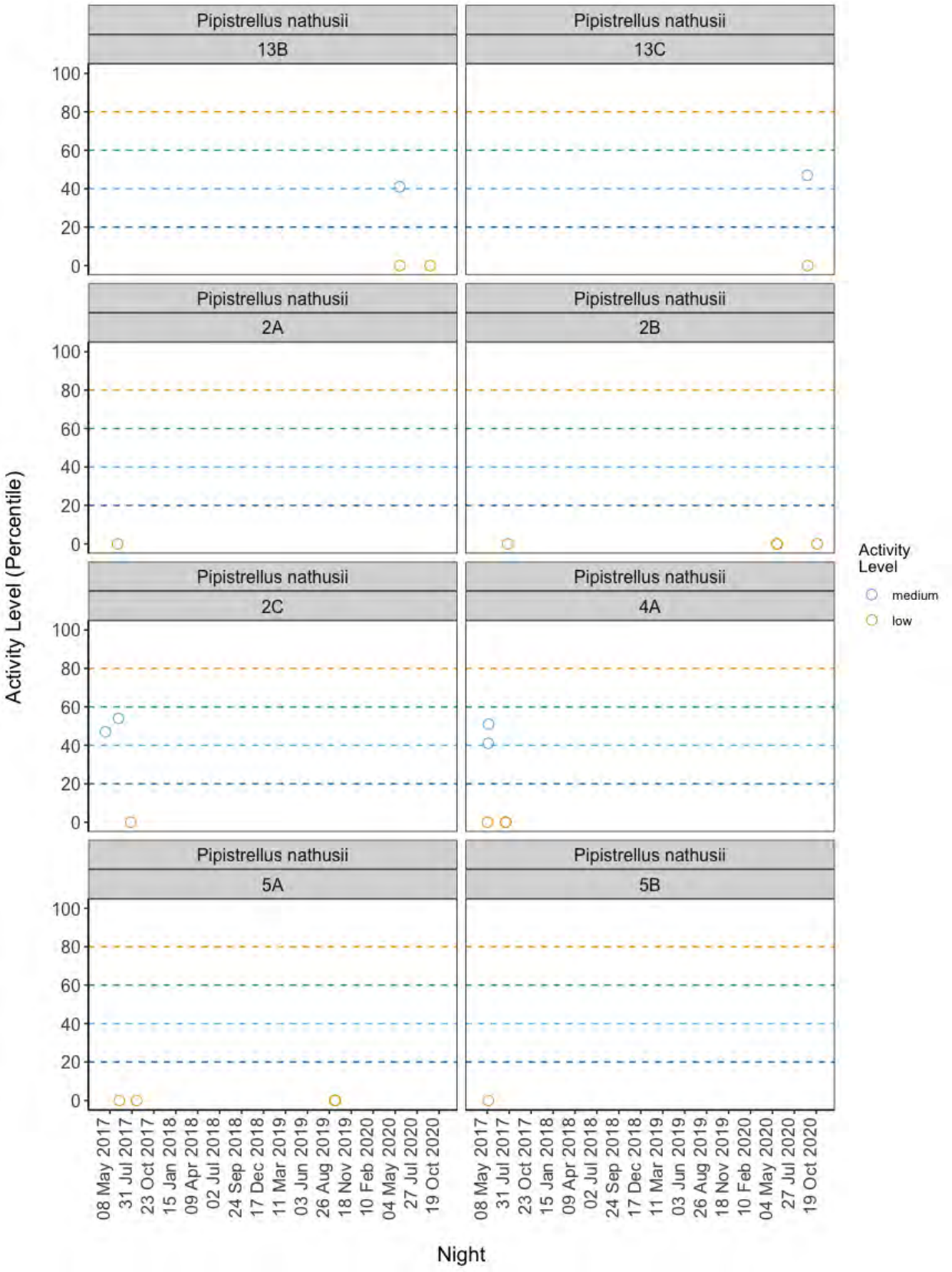
27 Jul 2020
19 Oct 2020
Activity Level
medium
low


Pipistrellus nathusii
13B
13C
2A
2B
2C
4A
5A
5B
Activity Level (Percentile)
0
20
40
60
80
100
08 May 2017
31 Jul 2017
23 Oct 2017
15 Jan 2018
09 Apr 2018
02 Jul 2018
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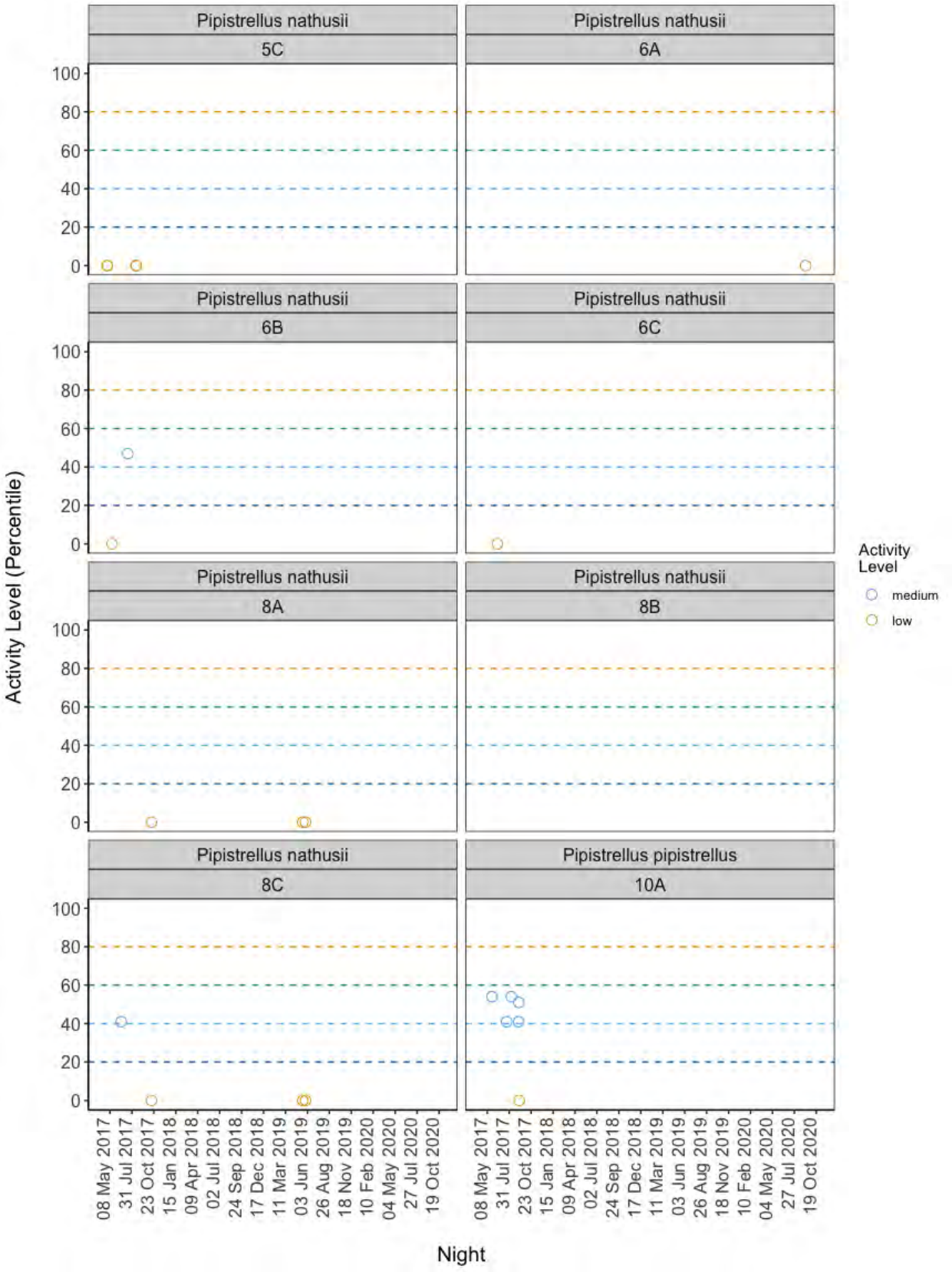
27 Jul 2020
19 Oct 2020
Night
Activity Level
medium
low


Pipistrellus nathusii
5C
Pipistrellus nathusii
6A
Pipistrellus nathusii
6B
Pipistrellus nathusii
6C
Pipistrellus nathusii
8A
Pipistrellus nathusii
8B
Pipistrellus nathusii
8C
Pipistrellus pipistrellus
10A
Activity Level (Percentile)
0
20
40
60
80
100
08 May 2017
31 Jul 2017
23 Oct 2017
15 Jan 2018
09 Apr 2018
02 Jul 2018
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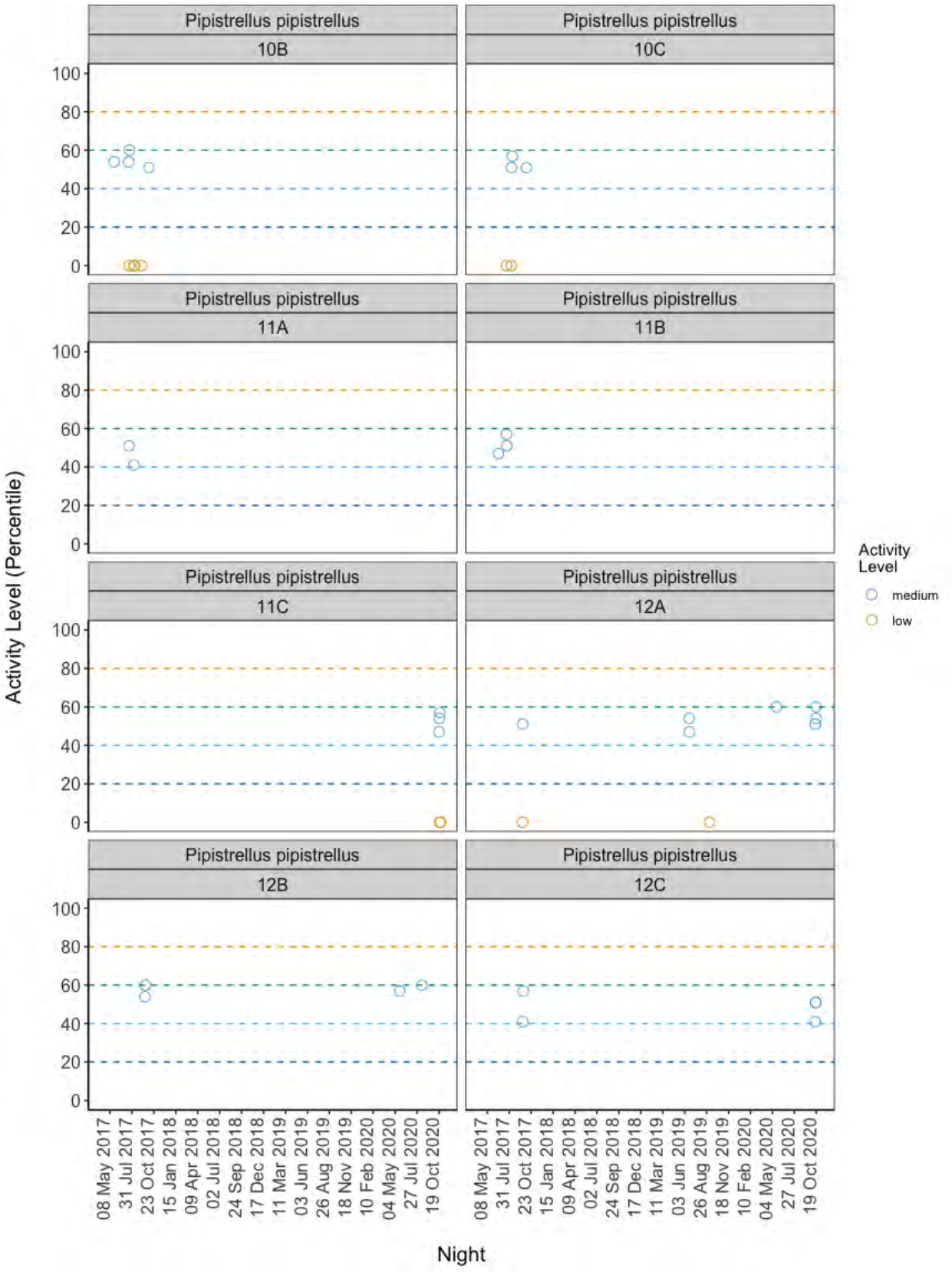
19 Oct 2020
Night
Activity Level
medium
low


Pipistrellus pipistrellus
10B
10C
11A
11B
11C
12A
12B
12C
Activity Level (Percentile)
0
20
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60
80
100
08 May 2017
31 Jul 2017
23 Oct 2017
15 Jan 2018
09 Apr 2018
02 Jul 2018
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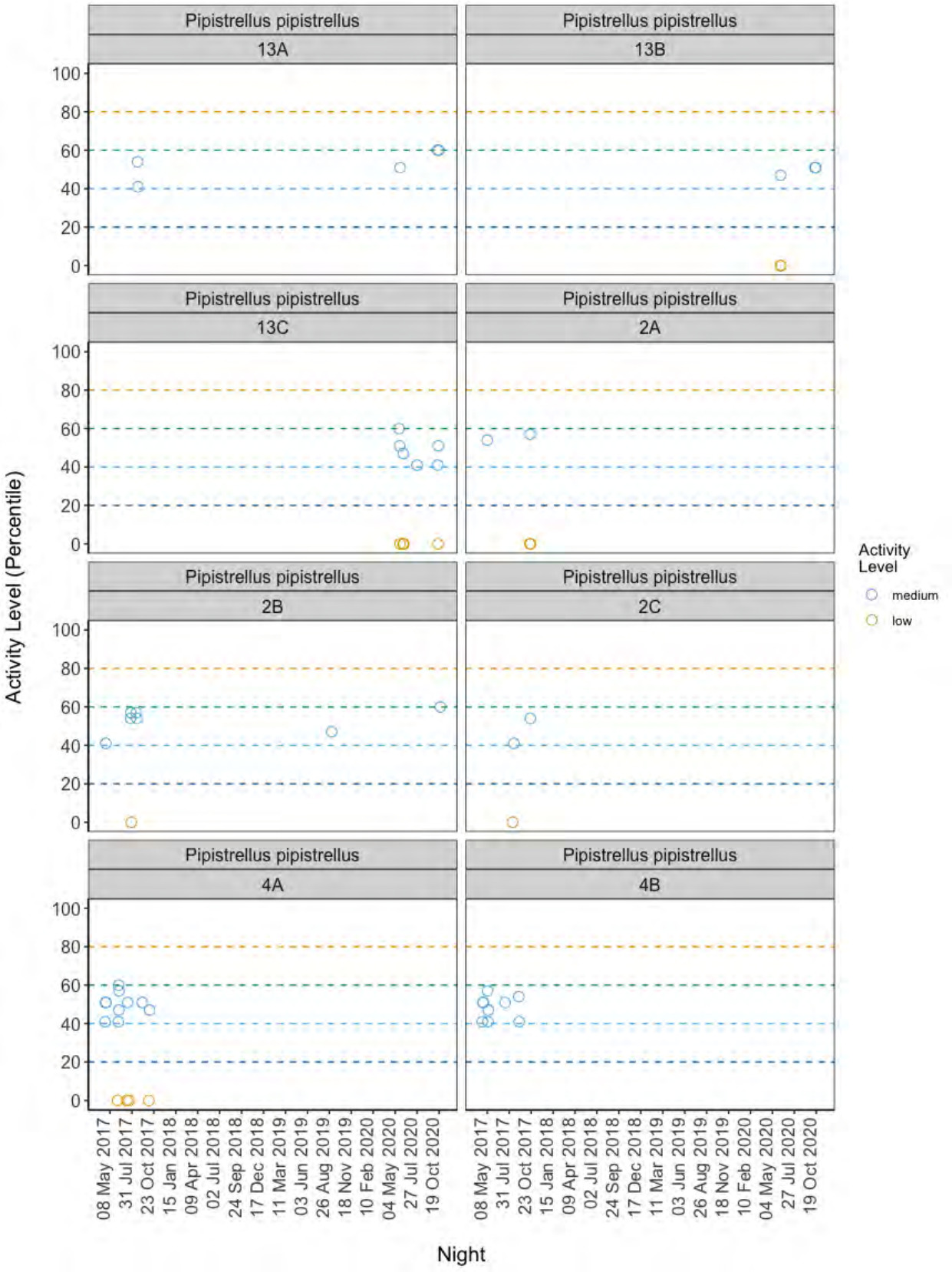
19 Oct 2020
Night
Activity Level
medium
low


Pipistrellus pipistrellus
13A
13B
13C
2A
2B
2C
4A
4B
Activity Level (Percentile)
0
20
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100
08 May 2017
31 Jul 2017
23 Oct 2017
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02 Jul 2018
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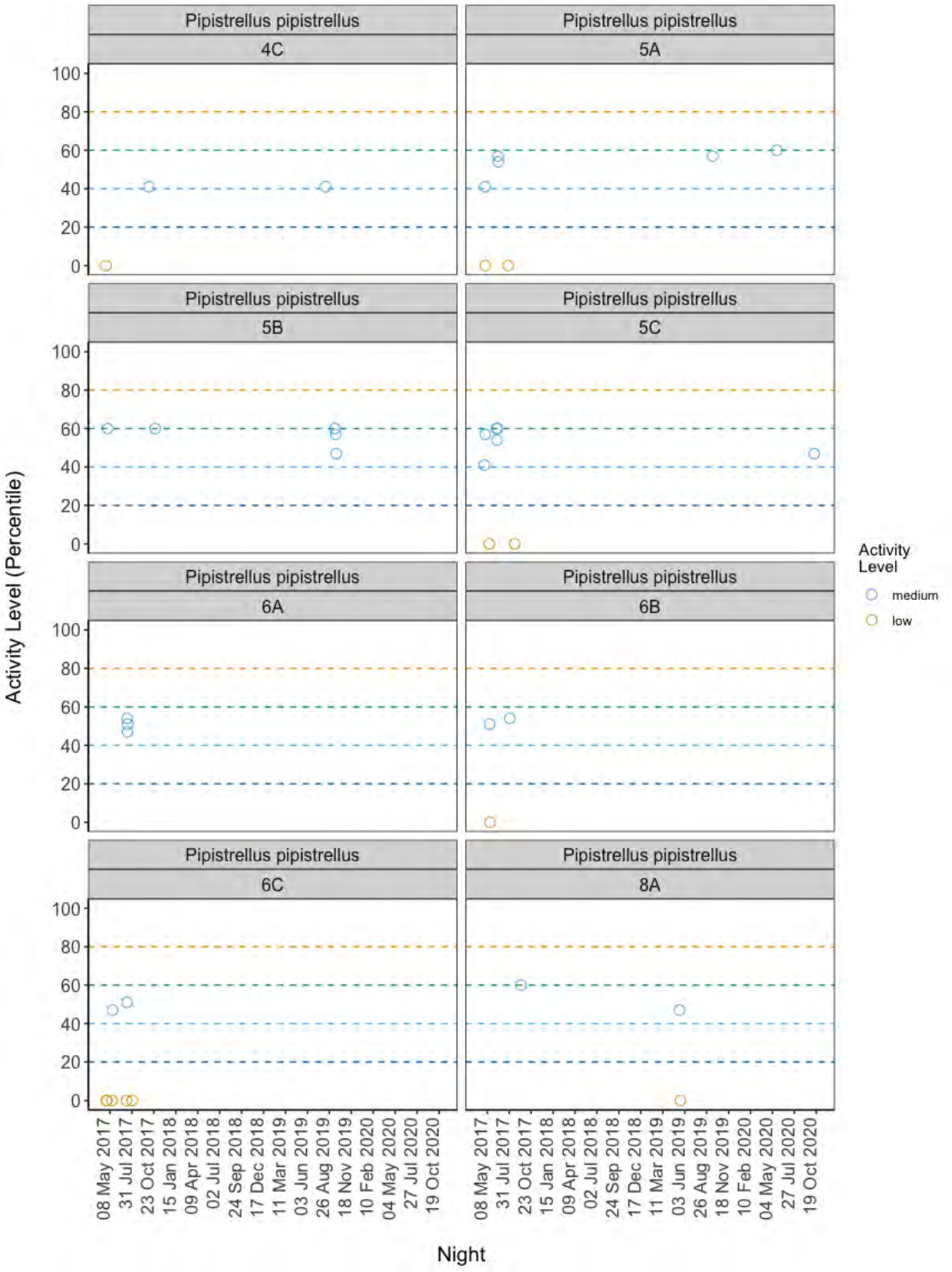
19 Oct 2020
Night
Activity Level
medium
low


Pipistrellus pipistrellus
4C
5A
5B
5C
6A
6B
6C
8A
Activity Level (Percentile)
0
20
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60
80
100
08 May 2017
31 Jul 2017
23 Oct 2017
15 Jan 2018
09 Apr 2018
02 Jul 2018
24 Sep 2018
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03 Jun 2019
26 Aug 2019
18 Nov 2019
10 Feb 2020
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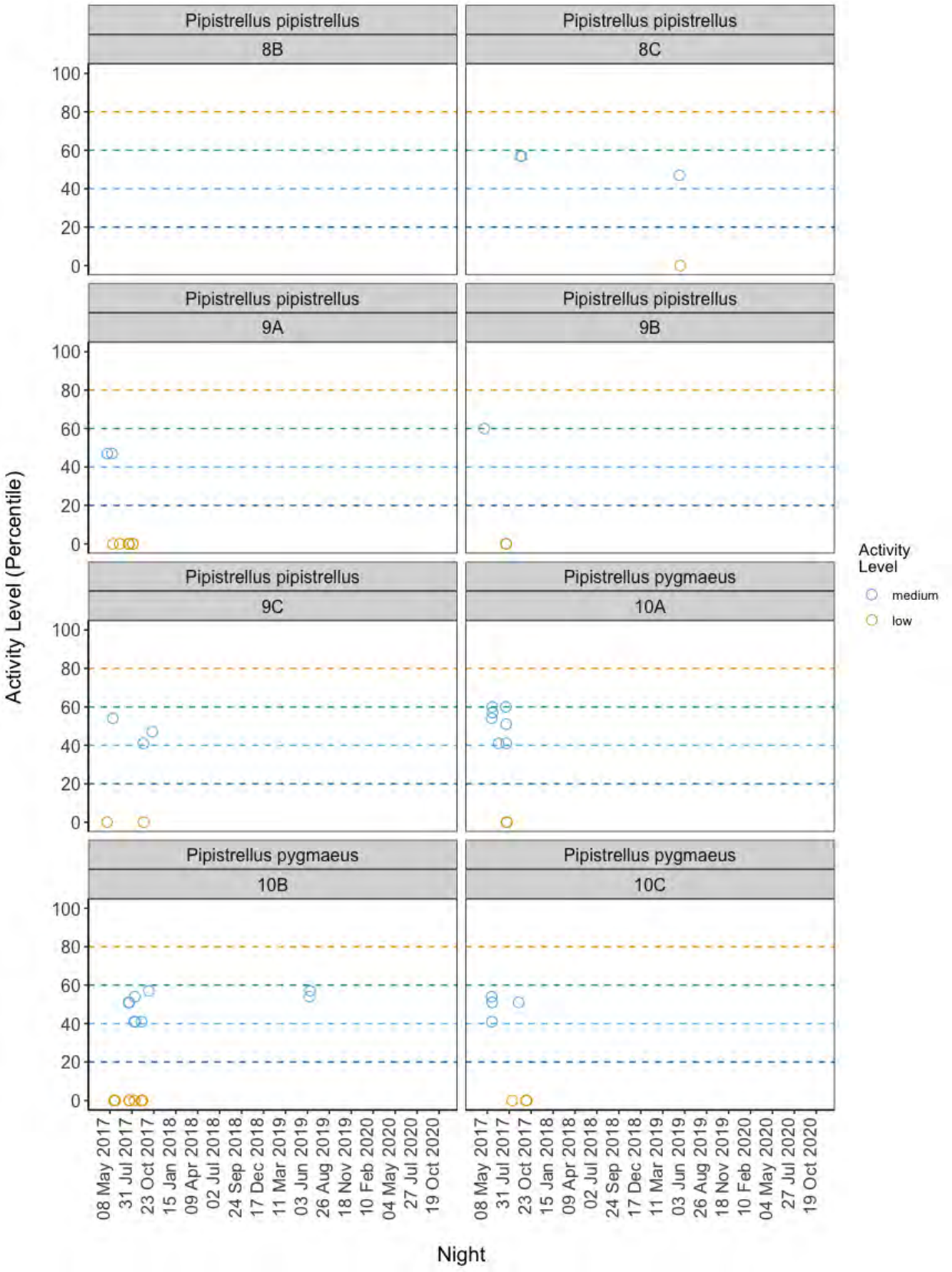
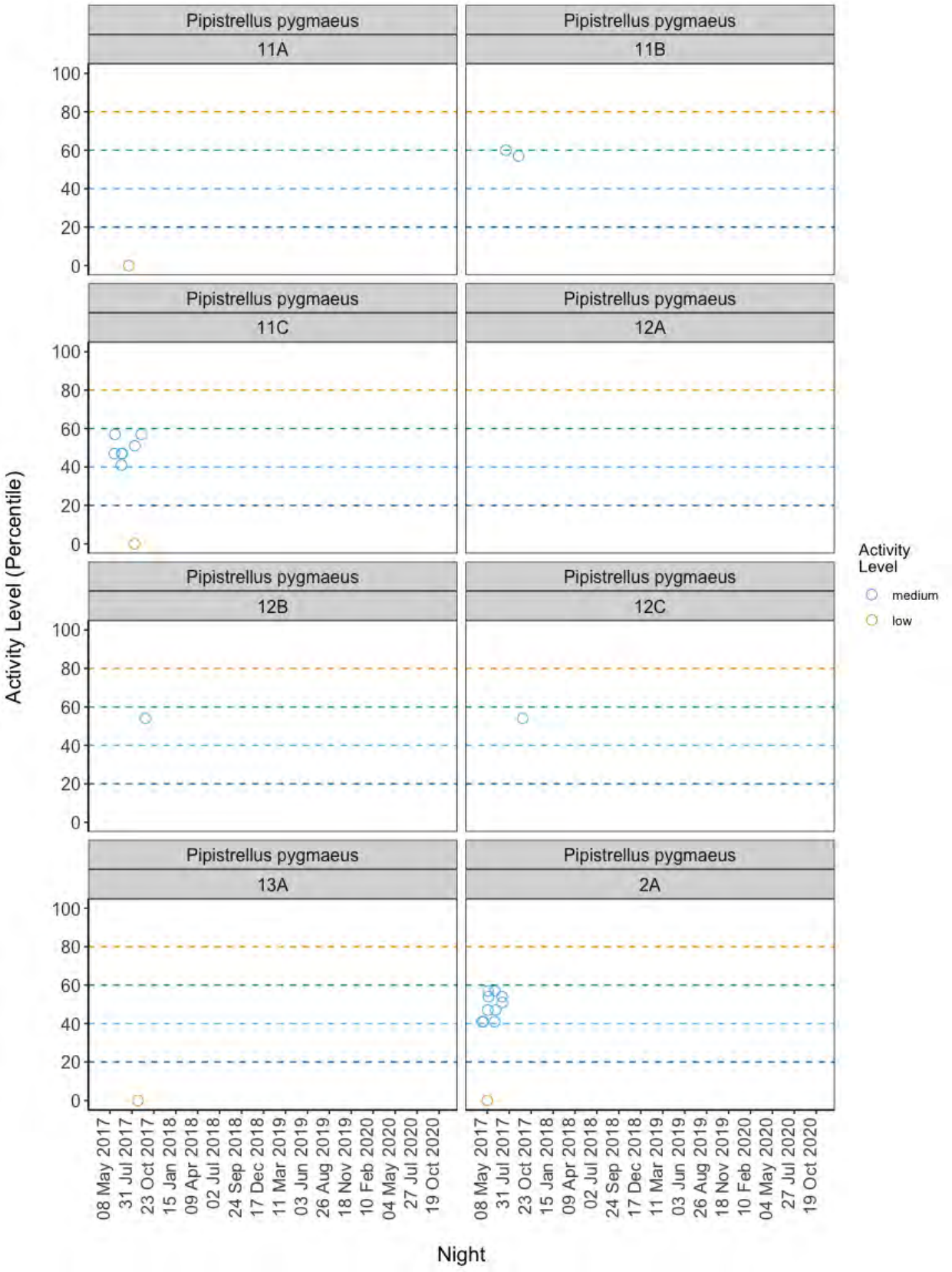
27 Jul 2020
19 Oct 2020
Night
Activity Level
medium
low


Pipistrellus pipistrellus
8B
Pipistrellus pipistrellus
8C
Pipistrellus pipistrellus
9A
Pipistrellus pipistrellus
9B
Pipistrellus pipistrellus
9C
Pipistrellus pygmaeus
10A
Pipistrellus pygmaeus
10B
Pipistrellus pygmaeus
10C
Activity Level (Percentile)
0
20
40
60
80
100
08 May 2017
31 Jul 2017
23 Oct 2017
15 Jan 2018
09 Apr 2018
02 Jul 2018
24 Sep 2018
17 Dec 2018
11 Mar 2019
03 Jun 2019
26 Aug 2019
18 Nov 2019
10 Feb 2020
04 May 2020
27 Jul 2020
19 Oct 2020
Night
Activity Level
medium
low


Pipistrellus pygmaeus
11A
11B
11C
12A
12B
12C
13A
2A
Activity Level (Percentile)
0
20
40
60
80
100
08 May 2017
31 Jul 2017
23 Oct 2017
15 Jan 2018
09 Apr 2018
02 Jul 2018
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17 Dec 2018
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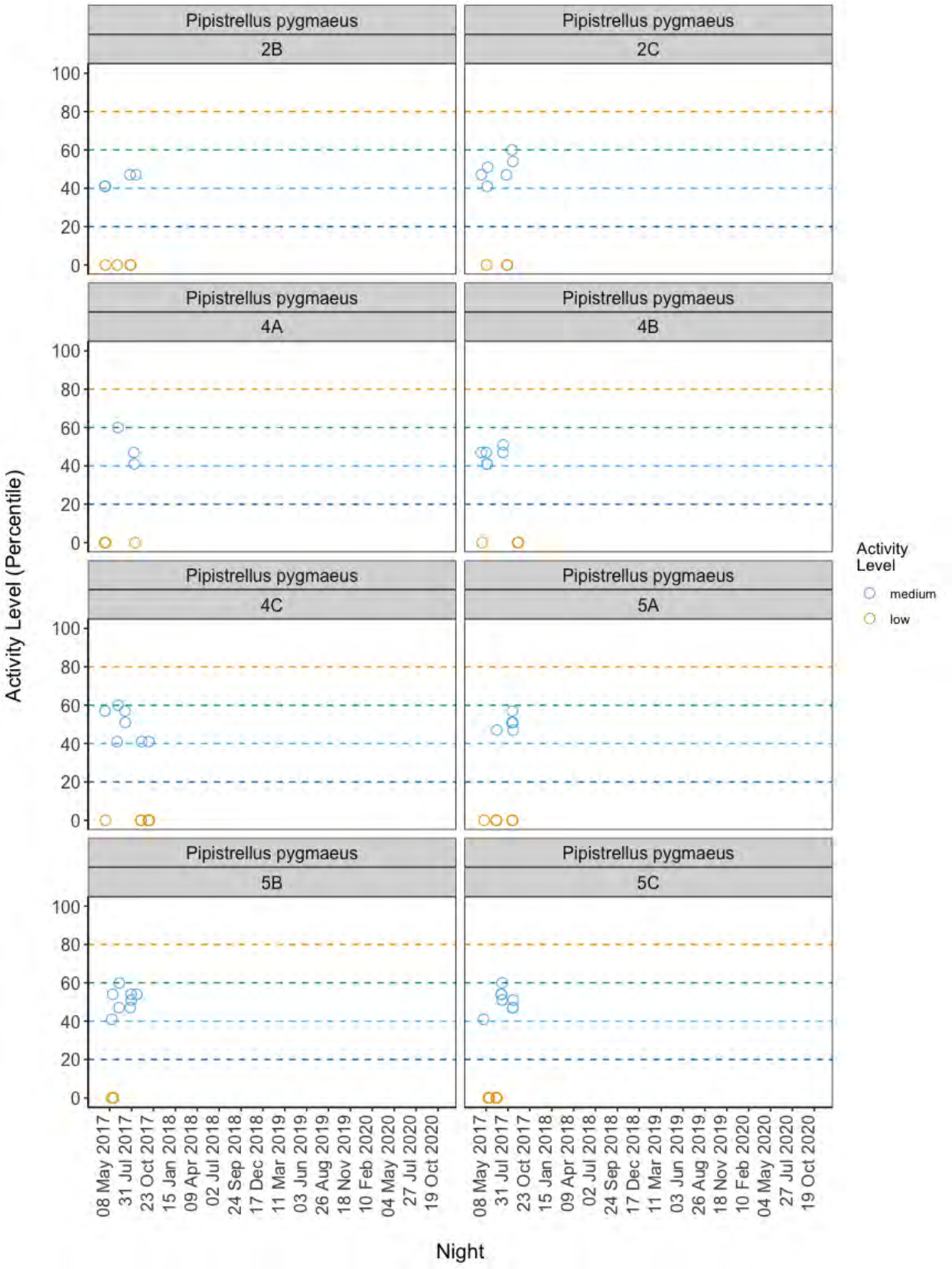
Night
Activity Level
medium
low


Pipistrellus pygmaeus
2B
2C
4A
4B
4C
5A
5B
5C
Activity Level (Percentile)
0
20
40
60
80
100
08 May 2017
31 Jul 2017
23 Oct 2017
15 Jan 2018
09 Apr 2018
02 Jul 2018
24 Sep 2018
17 Dec 2018
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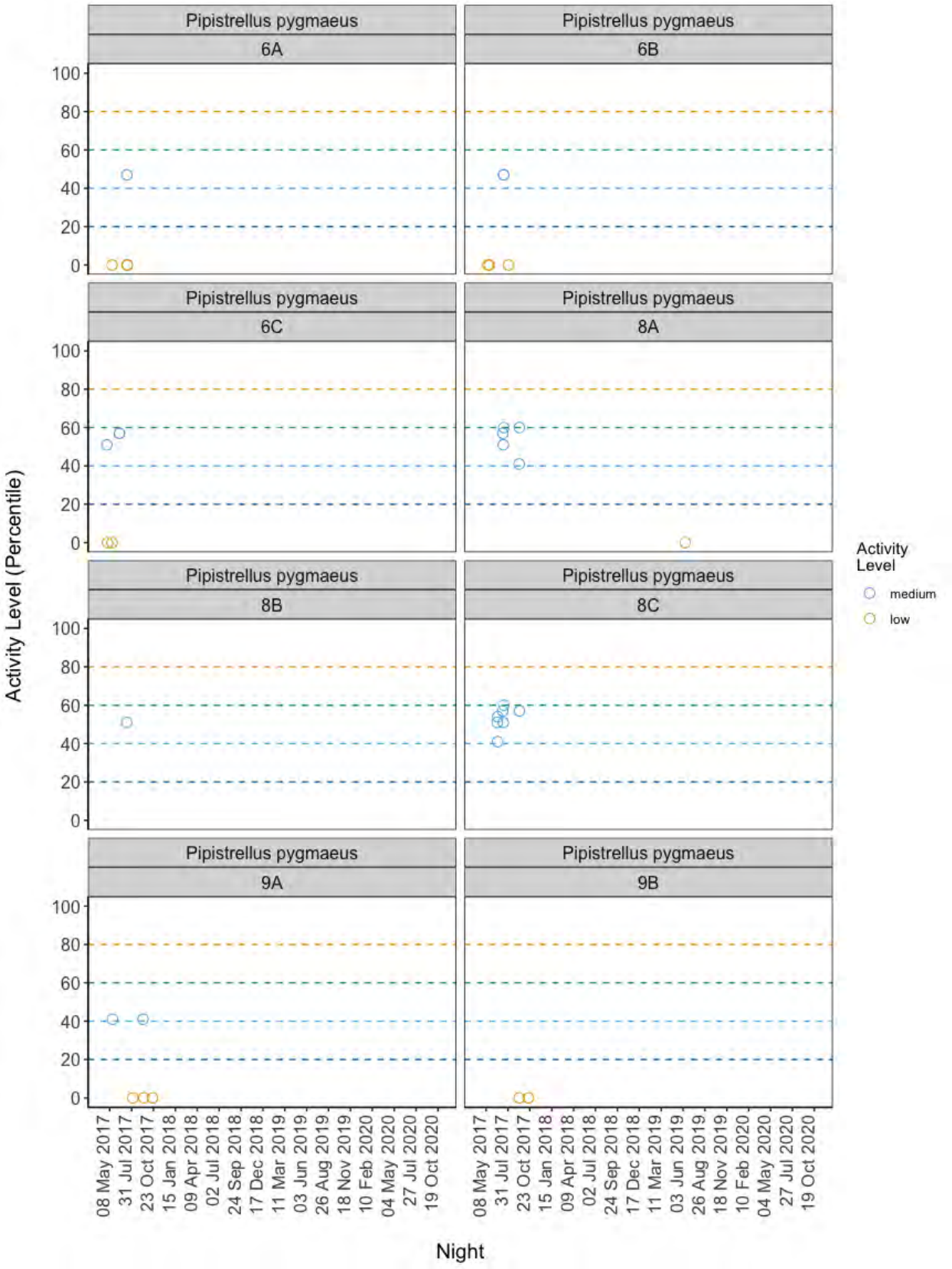
03 Jun 2019
26 Aug 2019
18 Nov 2019
10 Feb 2020
04 May 2020
27 Jul 2020
19 Oct 2020
Night
Activity Level
medium
low


Pipistrellus pygmaeus
6A
6B
6C
8A
8B
8C
9A
9B
Activity Level (Percentile)
0
20
40
60
80
100
08 May 2017
31 Jul 2017
23 Oct 2017
15 Jan 2018
09 Apr 2018
02 Jul 2018
24 Sep 2018
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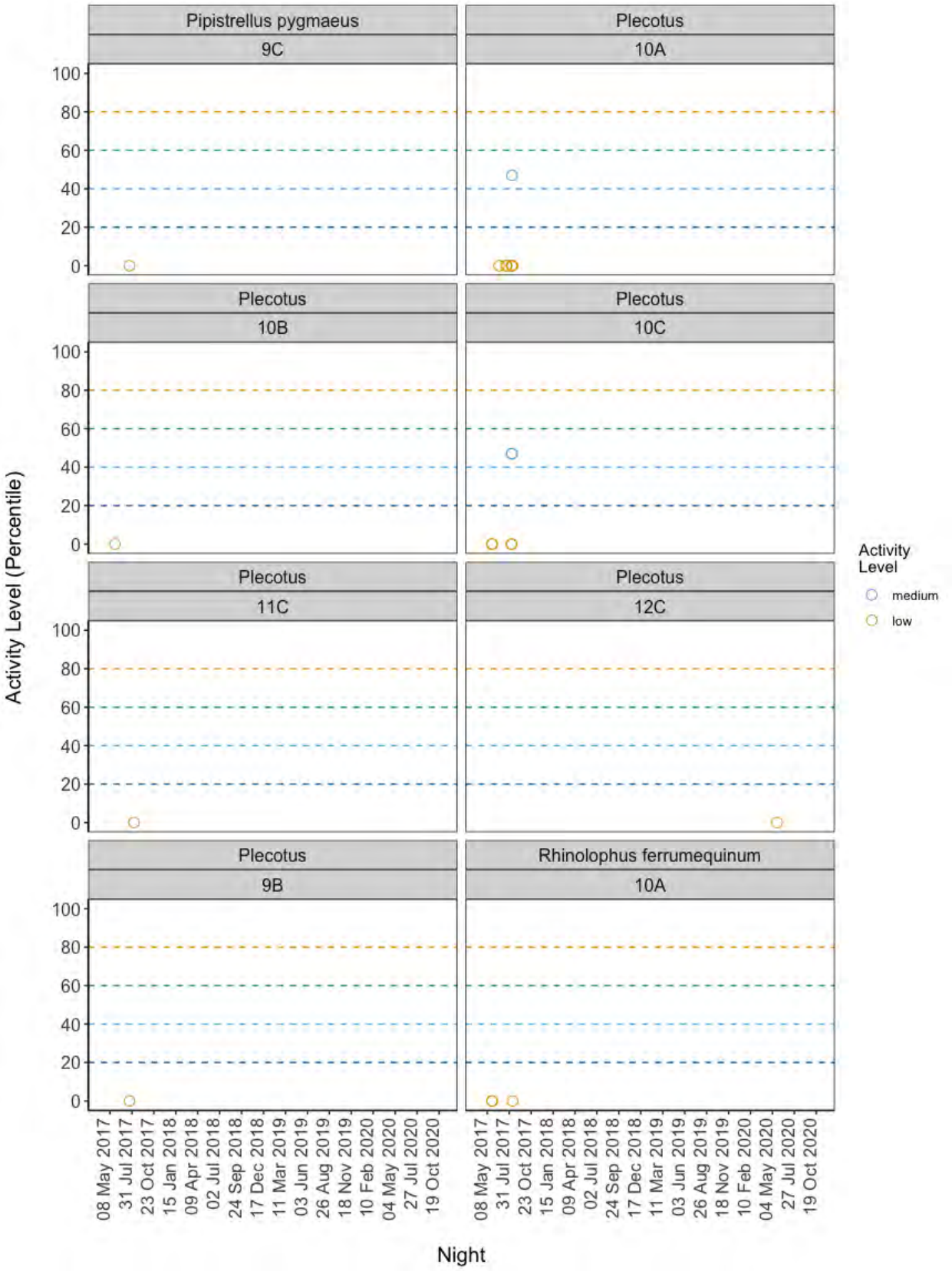
19 Oct 2020
Night
Activity Level
medium
low


Pipistrellus pygmaeus
9C
Plecotus
10A
Plecotus
10B
Plecotus
10C
Plecotus
11C
Plecotus
12C
Plecotus
9B
Rhinolophus ferrumequinum
10A
Activity Level (Percentile)
0
20
40
60
80
100
08 May 2017
31 Jul 2017
23 Oct 2017
15 Jan 2018
09 Apr 2018
02 Jul 2018
24 Sep 2018
17 Dec 2018
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10 Feb 2020
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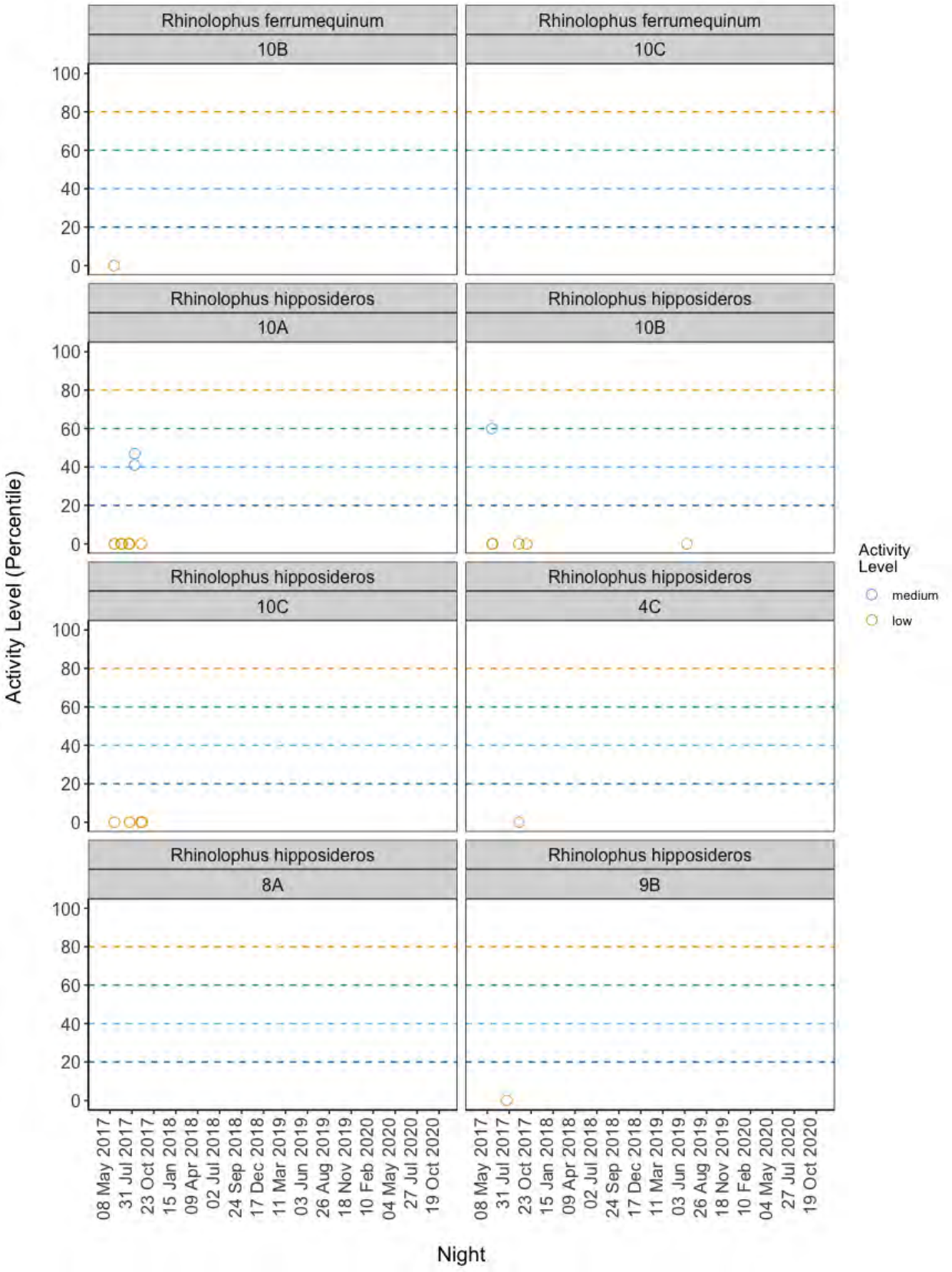
19 Oct 2020
Night
Activity Level
medium
low


Rhinolophus ferrumequinum
10B
Rhinolophus ferrumequinum
10C
Rhinolophus hipposideros
10A
Rhinolophus hipposideros
10B
Rhinolophus hipposideros
10C
Rhinolophus hipposideros
4C
Rhinolophus hipposideros
8A
Rhinolophus hipposideros
9B
Activity Level (Percentile)
0
20
40
60
80
100
08 May 2017
31 Jul 2017
23 Oct 2017
15 Jan 2018
09 Apr 2018
02 Jul 2018
24 Sep 2018
17 Dec 2018
11 Mar 2019
03 Jun 2019
26 Aug 2019
18 Nov 2019
10 Feb 2020
04 May 2020
27 Jul 2020
19 Oct 2020
Night
Activity Level
medium
low

PER DETECTOR, PER MONTH

Table 5. Summary table showing the number of nights recorded bat activity fell into each activity band for each species at each detector during each month.

Detector ID	Species/Species Group	Month	Nights of High Activity	Nights of Moderate / High Activity	Nights of Moderate Activity	Nights of Low/ Moderate Activity	Nights of Low Activity
10A	*Barbastella barbastellus*	May	0	0	0	1	3
10A	*Barbastella barbastellus*	Jun	0	0	0	1	2
10A	*Barbastella barbastellus*	Jul	0	0	1	0	1
10A	*Barbastella barbastellus*	Aug	0	3	1	0	0
10A	*Barbastella barbastellus*	Oct	0	0	0	1	0
10A	*Eptesicus serotinus*	May	0	0	2	2	1
10A	*Eptesicus serotinus*	Jun	0	1	3	1	0
10A	*Eptesicus serotinus*	Jul	0	0	1	1	1
10A	*Eptesicus serotinus*	Aug	0	4	1	0	1
10A	*Eptesicus serotinus*	Sep	0	0	0	0	2
10A	*Eptesicus serotinus*	Oct	0	1	0	0	0
10A	*Myotis*	May	5	0	0	0	0
10A	*Myotis*	Jun	0	0	0	1	3
10A	*Myotis*	Jul	2	0	0	3	0
10A	*Myotis*	Aug	4	1	0	1	0
10A	*Myotis*	Oct	1	0	0	0	0
10A	*Nyctaloid*	May	0	3	1	0	0
10A	*Nyctaloid*	Jun	0	1	0	0	0
10A	*Nyctaloid*	Jul	2	0	1	0	0
10A	*Nyctaloid*	Aug	2	4	0	0	0

10A	*Nyctaloid*	Sep	0	0	1	1	0
10A	*Nyctaloid*	Oct	0	1	0	0	0
10A	*Nyctalus leisleri*	May	0	0	0	2	0
10A	*Nyctalus leisleri*	Jun	0	0	1	0	1
10A	*Nyctalus leisleri*	Jul	0	0	0	0	1
10A	*Nyctalus noctula*	May	0	2	3	0	0
10A	*Nyctalus noctula*	Jun	1	2	2	0	0
10A	*Nyctalus noctula*	Jul	0	2	1	0	1
10A	*Nyctalus noctula*	Aug	1	4	1	0	0
10A	*Nyctalus noctula*	Sep	0	0	0	0	4
10A	*Nyctalus noctula*	Oct	0	0	0	1	0
10A	*Pipistrellus*	Aug	1	0	0	0	0
10A	*Pipistrellus*	Oct	1	0	0	0	0
10A	*Pipistrellus nathusii*	Jun	0	0	3	2	0
10A	*Pipistrellus nathusii*	Oct	0	0	0	0	1
10A	*Pipistrellus pipistrellus*	May	1	3	1	0	0
10A	*Pipistrellus pipistrellus*	Jun	5	0	0	0	0
10A	*Pipistrellus pipistrellus*	Jul	3	1	1	0	0
10A	*Pipistrellus pipistrellus*	Aug	1	4	1	0	0
10A	*Pipistrellus pipistrellus*	Sep	0	0	2	0	1
10A	*Pipistrellus pipistrellus*	Oct	0	1	0	0	0
10A	*Pipistrellus pygmaeus*	May	0	1	3	1	0
10A	*Pipistrellus pygmaeus*	Jun	0	0	1	3	0

10A	*Pipistrellus pygmaeus*	Jul	0	0	3	0	2
10A	*Pipistrellus pygmaeus*	Aug	0	5	0	1	0
10A	*Pipistrellus pygmaeus*	Sep	0	0	0	1	0
10A	*Pipistrellus pygmaeus*	Oct	1	0	0	0	0
10A	*Plecotus*	May	0	0	0	1	0
10A	*Plecotus*	Jun	0	0	0	0	1
10A	*Plecotus*	Jul	0	0	0	0	2
10A	*Plecotus*	Aug	0	0	1	1	3
10A	*Plecotus*	Oct	0	0	0	1	0
10A	*Rhinolophus ferrumequinum*	May	0	0	0	1	2
10A	*Rhinolophus ferrumequinum*	Aug	0	0	0	1	1
10A	*Rhinolophus hipposideros*	May	0	0	0	1	1
10A	*Rhinolophus hipposideros*	Jun	0	0	0	2	2
10A	*Rhinolophus hipposideros*	Jul	0	0	0	0	2
10A	*Rhinolophus hipposideros*	Aug	0	1	2	1	0
10A	*Rhinolophus hipposideros*	Sep	0	0	0	0	1
10A	*Rhinolophus hipposideros*	Oct	0	1	0	0	0
10B	*Barbastella barbastellus*	May	0	0	0	0	2
10B	*Barbastella barbastellus*	Jul	0	0	0	0	1
10B	*Barbastella barbastellus*	Aug	0	0	0	1	2
10B	*Barbastella barbastellus*	Sep	0	0	0	0	1
10B	*Eptesicus serotinus*	May	0	4	1	0	0
10B	*Eptesicus*	Jun	0	0	0	1	1

	serotinus						
10B	*Eptesicus serotinus*	Jul	0	1	0	1	0
10B	*Eptesicus serotinus*	Aug	0	0	1	2	2
10B	*Eptesicus serotinus*	Sep	0	0	0	0	1
10B	*Eptesicus serotinus*	Oct	0	0	1	0	0
10B	*Myotis*	May	0	2	1	1	0
10B	*Myotis*	Jul	0	1	1	1	1
10B	*Myotis*	Aug	0	1	0	0	2
10B	*Myotis*	Sep	0	0	0	1	1
10B	*Myotis*	Oct	0	1	1	2	0
10B	*Nyctaloid*	May	1	3	0	0	0
10B	*Nyctaloid*	Jul	0	1	0	1	0
10B	*Nyctaloid*	Sep	0	0	1	0	0
10B	*Nyctaloid*	Oct	0	1	2	0	0
10B	*Nyctalus leisleri*	May	0	0	0	0	1
10B	*Nyctalus leisleri*	Jun	0	0	0	1	1
10B	*Nyctalus leisleri*	Jul	0	0	0	1	1
10B	*Nyctalus leisleri*	Aug	0	0	0	1	2
10B	*Nyctalus noctula*	May	0	0	2	3	0
10B	*Nyctalus noctula*	Jun	0	0	1	1	1
10B	*Nyctalus noctula*	Jul	0	1	1	2	0
10B	*Nyctalus noctula*	Aug	0	0	2	2	1
10B	*Nyctalus noctula*	Sep	0	0	0	2	1
10B	*Nyctalus noctula*	Oct	0	0	0	1	3
10B	*Pipistrellus*	May	0	5	0	0	0
10B	*Pipistrellus*	Jun	3	0	0	0	0
10B	*Pipistrellus*	Jul	1	1	0	0	0
10B	*Pipistrellus*	Sep	0	0	1	0	0

10B	*Pipistrellus*	Oct	1	1	0	0	0
10B	*Pipistrellus nathusii*	Jul	0	0	0	0	1
10B	*Pipistrellus nathusii*	Aug	0	0	0	0	1
10B	*Pipistrellus pipistrellus*	May	0	4	1	0	0
10B	*Pipistrellus pipistrellus*	Jun	3	0	0	0	0
10B	*Pipistrellus pipistrellus*	Jul	0	1	2	0	1
10B	*Pipistrellus pipistrellus*	Aug	0	1	0	2	2
10B	*Pipistrellus pipistrellus*	Sep	0	0	0	2	1
10B	*Pipistrellus pipistrellus*	Oct	2	1	1	0	0
10B	*Pipistrellus pygmaeus*	May	0	0	0	2	3
10B	*Pipistrellus pygmaeus*	Jun	0	1	2	0	0
10B	*Pipistrellus pygmaeus*	Jul	0	0	2	1	2
10B	*Pipistrellus pygmaeus*	Aug	0	0	3	1	1
10B	*Pipistrellus pygmaeus*	Sep	0	0	1	0	4
10B	*Pipistrellus pygmaeus*	Oct	1	2	1	0	0
10B	*Plecotus*	May	0	0	0	2	1
10B	*Rhinolophus ferrumequinum*	May	0	0	0	0	1
10B	*Rhinolophus hipposideros*	May	0	0	1	1	2
10B	*Rhinolophus hipposideros*	Jun	0	0	0	0	1
10B	*Rhinolophus hipposideros*	Sep	0	0	0	1	1
10B	*Rhinolophus hipposideros*	Oct	0	0	0	0	1

10C	*Barbastella barbastellus*	Aug	0	0	0	0	2
10C	*Barbastella barbastellus*	Sep	0	0	0	0	1
10C	*Eptesicus serotinus*	May	0	0	3	1	1
10C	*Eptesicus serotinus*	Jul	0	0	1	0	1
10C	*Eptesicus serotinus*	Aug	0	2	1	2	0
10C	*Eptesicus serotinus*	Sep	0	0	0	2	2
10C	*Eptesicus serotinus*	Oct	0	0	1	1	1
10C	*Myotis*	May	0	0	4	1	0
10C	*Myotis*	Jul	0	0	1	1	1
10C	*Myotis*	Aug	0	0	0	0	4
10C	*Myotis*	Sep	0	1	2	1	1
10C	*Myotis*	Oct	0	1	2	1	0
10C	*Nyctaloid*	May	1	1	0	0	0
10C	*Nyctaloid*	Jul	0	1	0	0	0
10C	*Nyctaloid*	Aug	0	4	1	0	0
10C	*Nyctaloid*	Sep	0	3	1	1	0
10C	*Nyctaloid*	Oct	0	0	2	0	0
10C	*Nyctalus leisleri*	Sep	0	0	0	0	1
10C	*Nyctalus noctula*	May	0	5	0	0	0
10C	*Nyctalus noctula*	Jul	0	0	2	1	0
10C	*Nyctalus noctula*	Aug	0	0	3	1	1
10C	*Nyctalus noctula*	Sep	0	2	1	1	1
10C	*Nyctalus noctula*	Oct	0	0	0	3	1
10C	*Pipistrellus*	May	4	0	0	0	0
10C	*Pipistrellus*	Aug	1	0	1	1	0
10C	*Pipistrellus*	Sep	1	0	0	0	0
10C	*Pipistrellus*	May	0	0	0	1	0

	nathusii						
10C	*Pipistrellus pipistrellus*	May	5	0	0	0	0
10C	*Pipistrellus pipistrellus*	Jul	2	0	0	0	1
10C	*Pipistrellus pipistrellus*	Aug	1	0	2	1	1
10C	*Pipistrellus pipistrellus*	Sep	0	5	0	0	0
10C	*Pipistrellus pipistrellus*	Oct	0	3	1	0	0
10C	*Pipistrellus pygmaeus*	May	0	0	3	2	0
10C	*Pipistrellus pygmaeus*	Jul	0	0	0	1	0
10C	*Pipistrellus pygmaeus*	Aug	0	0	0	0	1
10C	*Pipistrellus pygmaeus*	Sep	0	4	1	0	0
10C	*Pipistrellus pygmaeus*	Oct	0	0	0	1	2
10C	*Plecotus*	May	0	0	0	1	2
10C	*Plecotus*	Aug	0	0	2	1	2
10C	*Rhinolophus ferrumequinum*	Sep	0	0	0	1	0
10C	*Rhinolophus hipposideros*	May	0	0	0	0	1
10C	*Rhinolophus hipposideros*	Jul	0	0	0	0	1
10C	*Rhinolophus hipposideros*	Aug	0	0	0	1	0
10C	*Rhinolophus hipposideros*	Sep	0	0	0	1	3
11A	*Barbastella barbastellus*	May	0	0	0	0	3
11A	*Barbastella barbastellus*	Jun	0	0	0	2	1
11A	*Barbastella barbastellus*	Jul	0	0	0	0	1
11A	*Barbastella*	Sep	0	0	3	2	0

	barbastellus						
11A	*Barbastella barbastellus*	Oct	0	0	3	1	0
11A	*Eptesicus serotinus*	May	0	0	0	4	1
11A	*Eptesicus serotinus*	Jun	0	1	4	0	0
11A	*Eptesicus serotinus*	Jul	0	0	0	2	1
11A	*Eptesicus serotinus*	Aug	0	0	0	0	1
11A	*Eptesicus serotinus*	Sep	0	0	0	4	1
11A	*Eptesicus serotinus*	Oct	0	3	1	0	0
11A	*Myotis*	May	0	1	3	1	0
11A	*Myotis*	Jun	0	0	3	1	0
11A	*Myotis*	Jul	0	0	2	1	0
11A	*Myotis*	Aug	0	0	2	0	1
11A	*Myotis*	Sep	0	3	2	0	0
11A	*Myotis*	Oct	2	2	0	0	0
11A	*Nyctaloid*	May	0	0	3	0	0
11A	*Nyctaloid*	Jun	1	2	0	0	0
11A	*Nyctaloid*	Jul	0	1	0	0	0
11A	*Nyctaloid*	Sep	0	1	0	0	0
11A	*Nyctaloid*	Oct	0	3	0	0	0
11A	*Nyctalus leisleri*	Aug	0	0	0	0	1
11A	*Nyctalus noctula*	May	0	0	1	1	2
11A	*Nyctalus noctula*	Jun	1	2	2	0	0
11A	*Nyctalus noctula*	Jul	0	0	1	0	1
11A	*Nyctalus noctula*	Sep	0	0	4	1	0
11A	*Nyctalus noctula*	Oct	0	0	0	0	1
11A	*Pipistrellus*	May	3	0	0	0	0
11A	*Pipistrellus*	Jun	3	0	0	0	0

11A	*Pipistrellus*	Jul	2	0	0	0	0
11A	*Pipistrellus*	Sep	1	1	0	0	0
11A	*Pipistrellus*	Oct	1	0	0	0	0
11A	*Pipistrellus nathusii*	May	0	0	0	0	3
11A	*Pipistrellus nathusii*	Jun	0	0	2	1	0
11A	*Pipistrellus nathusii*	Aug	0	0	0	0	1
11A	*Pipistrellus pipistrellus*	May	4	1	0	0	0
11A	*Pipistrellus pipistrellus*	Jun	5	0	0	0	0
11A	*Pipistrellus pipistrellus*	Jul	3	0	1	0	0
11A	*Pipistrellus pipistrellus*	Aug	3	2	1	0	0
11A	*Pipistrellus pipistrellus*	Sep	1	4	0	0	0
11A	*Pipistrellus pipistrellus*	Oct	4	0	0	0	0
11A	*Pipistrellus pygmaeus*	Jun	0	0	0	1	0
11A	*Pipistrellus pygmaeus*	Jul	0	0	0	0	1
11B	*Barbastella barbastellus*	May	0	0	0	1	0
11B	*Barbastella barbastellus*	Aug	0	0	1	1	1
11B	*Barbastella barbastellus*	Oct	0	0	0	1	1
11B	*Eptesicus serotinus*	May	2	3	0	0	0
11B	*Eptesicus serotinus*	Jul	0	1	1	1	2
11B	*Eptesicus serotinus*	Aug	0	2	3	0	0
11B	*Eptesicus serotinus*	Sep	0	0	0	1	0
11B	*Eptesicus*	Oct	0	1	2	0	1

	serotinus						
11B	*Myotis*	May	4	1	0	0	0
11B	*Myotis*	Jul	1	1	0	1	1
11B	*Myotis*	Aug	0	4	0	0	0
11B	*Myotis*	Oct	0	4	0	1	0
11B	*Nyctaloid*	May	3	2	0	0	0
11B	*Nyctaloid*	Jul	1	1	1	1	0
11B	*Nyctaloid*	Aug	0	3	0	0	0
11B	*Nyctaloid*	Oct	0	1	2	0	0
11B	*Nyctalus leisleri*	May	0	0	0	1	0
11B	*Nyctalus leisleri*	Aug	0	0	0	0	2
11B	*Nyctalus noctula*	May	0	1	3	0	0
11B	*Nyctalus noctula*	Jul	0	1	1	0	0
11B	*Nyctalus noctula*	Aug	0	1	1	1	1
11B	*Nyctalus noctula*	Oct	0	0	1	1	2
11B	*Pipistrellus*	May	2	0	0	0	0
11B	*Pipistrellus nathusii*	Jun	0	0	0	0	1
11B	*Pipistrellus pipistrellus*	May	5	0	0	0	0
11B	*Pipistrellus pipistrellus*	Jun	0	0	1	0	0
11B	*Pipistrellus pipistrellus*	Jul	2	1	2	0	0
11B	*Pipistrellus pipistrellus*	Aug	5	0	0	0	0
11B	*Pipistrellus pipistrellus*	Sep	1	0	0	0	0
11B	*Pipistrellus pipistrellus*	Oct	3	2	0	0	0
11B	*Pipistrellus pygmaeus*	May	5	0	0	0	0
11B	*Pipistrellus pygmaeus*	Jul	1	1	1	1	0
11B	*Pipistrellus*	Aug	3	1	0	1	0

	pygmaeus						
11B	*Pipistrellus pygmaeus*	Sep	0	0	1	0	0
11C	*Barbastella barbastellus*	Jul	0	0	0	0	1
11C	*Barbastella barbastellus*	Oct	0	0	1	0	2
11C	*Eptesicus serotinus*	May	0	1	1	3	0
11C	*Eptesicus serotinus*	Jun	0	5	0	0	0
11C	*Eptesicus serotinus*	Jul	0	0	0	1	3
11C	*Eptesicus serotinus*	Aug	0	2	2	1	0
11C	*Eptesicus serotinus*	Sep	0	0	0	1	0
11C	*Eptesicus serotinus*	Oct	0	0	0	0	1
11C	*Myotis*	May	0	0	0	2	1
11C	*Myotis*	Jun	0	0	1	1	1
11C	*Myotis*	Aug	0	0	0	1	2
11C	*Myotis*	Oct	0	0	0	0	4
11C	*Nyctaloid*	May	0	1	1	0	0
11C	*Nyctaloid*	Jun	3	1	0	0	0
11C	*Nyctaloid*	Aug	0	2	0	0	0
11C	*Nyctaloid*	Oct	0	0	1	0	0
11C	*Nyctalus leisleri*	Jul	0	0	1	0	1
11C	*Nyctalus noctula*	May	0	0	3	1	1
11C	*Nyctalus noctula*	Jun	1	1	2	1	0
11C	*Nyctalus noctula*	Jul	0	1	0	1	2
11C	*Nyctalus noctula*	Aug	0	0	2	0	0
11C	*Nyctalus noctula*	Oct	0	0	0	0	2
11C	*Pipistrellus*	May	3	0	0	0	0

11C	*Pipistrellus nathusii*	May	0	0	0	0	1
11C	*Pipistrellus nathusii*	Jun	0	0	0	4	1
11C	*Pipistrellus nathusii*	Jul	0	0	0	0	2
11C	*Pipistrellus pipistrellus*	May	5	0	0	0	0
11C	*Pipistrellus pipistrellus*	Jun	4	1	0	0	0
11C	*Pipistrellus pipistrellus*	Jul	5	0	0	0	0
11C	*Pipistrellus pipistrellus*	Aug	5	0	0	0	0
11C	*Pipistrellus pipistrellus*	Sep	1	0	0	0	0
11C	*Pipistrellus pipistrellus*	Oct	0	0	3	1	2
11C	*Pipistrellus pygmaeus*	May	0	1	2	1	0
11C	*Pipistrellus pygmaeus*	Jun	0	0	3	0	0
11C	*Pipistrellus pygmaeus*	Jul	0	0	0	1	0
11C	*Pipistrellus pygmaeus*	Aug	0	0	1	1	1
11C	*Pipistrellus pygmaeus*	Sep	0	0	1	0	0
11C	*Plecotus*	Jun	0	0	0	2	0
11C	*Plecotus*	Aug	0	0	0	1	1
12A	*Barbastella barbastellus*	May	0	0	0	0	1
12A	*Barbastella barbastellus*	Sep	0	0	0	0	1
12A	*Eptesicus serotinus*	May	0	1	2	3	1
12A	*Eptesicus serotinus*	Jun	0	0	1	2	2
12A	*Eptesicus serotinus*	Jul	0	1	1	2	3

12A	*Eptesicus serotinus*	Aug	0	0	0	0	2
12A	*Eptesicus serotinus*	Sep	0	0	2	3	0
12A	*Eptesicus serotinus*	Oct	0	0	0	1	2
12A	*Myotis*	May	0	1	0	2	2
12A	*Myotis*	Jun	0	1	1	2	1
12A	*Myotis*	Jul	0	5	2	0	0
12A	*Myotis*	Aug	0	1	1	1	0
12A	*Myotis*	Sep	1	3	1	0	1
12A	*Myotis*	Oct	0	3	2	1	0
12A	*Nyctaloid*	Jun	0	2	0	0	0
12A	*Nyctaloid*	Jul	1	1	1	0	0
12A	*Nyctaloid*	Sep	0	2	0	0	0
12A	*Nyctaloid*	Oct	0	1	2	2	0
12A	*Nyctalus leisleri*	May	0	0	0	2	1
12A	*Nyctalus noctula*	May	4	3	0	2	0
12A	*Nyctalus noctula*	Jun	0	1	3	1	1
12A	*Nyctalus noctula*	Jul	0	2	2	2	1
12A	*Nyctalus noctula*	Aug	0	0	0	1	1
12A	*Nyctalus noctula*	Sep	0	0	1	1	2
12A	*Nyctalus noctula*	Oct	0	0	2	1	1
12A	*Pipistrellus*	May	9	0	0	0	0
12A	*Pipistrellus*	Jul	5	0	0	0	0
12A	*Pipistrellus*	Sep	1	1	0	1	0
12A	*Pipistrellus*	Oct	1	4	0	0	0
12A	*Pipistrellus pipistrellus*	May	1	7	1	0	0
12A	*Pipistrellus pipistrellus*	Jun	1	3	2	0	0
12A	*Pipistrellus pipistrellus*	Jul	6	1	0	0	0

12A	*Pipistrellus pipistrellus*	Aug	5	0	0	0	0
12A	*Pipistrellus pipistrellus*	Sep	0	4	1	0	2
12A	*Pipistrellus pipistrellus*	Oct	1	2	3	0	0
12A	*Pipistrellus pygmaeus*	Sep	3	0	0	0	0
12B	*Barbastella barbastellus*	May	0	0	0	0	1
12B	*Barbastella barbastellus*	Aug	0	0	0	0	1
12B	*Barbastella barbastellus*	Sep	0	0	0	0	1
12B	*Eptesicus serotinus*	May	0	1	0	3	2
12B	*Eptesicus serotinus*	Jun	0	4	2	0	0
12B	*Eptesicus serotinus*	Jul	0	0	0	0	3
12B	*Eptesicus serotinus*	Aug	0	0	1	0	0
12B	*Eptesicus serotinus*	Sep	0	0	1	2	0
12B	*Eptesicus serotinus*	Oct	0	1	0	1	0
12B	*Myotis*	May	2	5	1	1	0
12B	*Myotis*	Jun	0	0	3	1	1
12B	*Myotis*	Jul	0	4	3	0	0
12B	*Myotis*	Aug	1	0	1	0	0
12B	*Myotis*	Sep	0	2	1	2	0
12B	*Myotis*	Oct	0	2	1	1	1
12B	*Nyctaloid*	Sep	0	1	1	1	0
12B	*Nyctaloid*	Oct	1	2	0	0	0
12B	*Nyctalus*	Jun	0	2	3	0	0
12B	*Nyctalus*	Jul	0	0	1	2	3
12B	*Nyctalus leisleri*	May	0	2	1	4	1
12B	*Nyctalus noctula*	May	0	5	3	1	0

12B	*Nyctalus noctula*	Jun	0	1	3	1	0
12B	*Nyctalus noctula*	Jul	0	0	0	2	2
12B	*Nyctalus noctula*	Aug	0	0	1	0	1
12B	*Nyctalus noctula*	Sep	0	0	1	1	2
12B	*Nyctalus noctula*	Oct	1	1	0	0	2
12B	*Pipistrellus*	May	8	0	0	0	0
12B	*Pipistrellus*	Jul	1	0	0	0	0
12B	*Pipistrellus*	Aug	2	0	0	0	0
12B	*Pipistrellus nathusii*	May	0	0	0	0	1
12B	*Pipistrellus pipistrellus*	May	8	0	1	0	0
12B	*Pipistrellus pipistrellus*	Jun	3	3	0	0	0
12B	*Pipistrellus pipistrellus*	Jul	2	5	0	0	0
12B	*Pipistrellus pipistrellus*	Aug	1	0	1	0	0
12B	*Pipistrellus pipistrellus*	Sep	0	3	2	0	0
12B	*Pipistrellus pipistrellus*	Oct	1	2	0	1	0
12B	*Pipistrellus pygmaeus*	Sep	2	0	1	0	0
12C	*Barbastella barbastellus*	May	0	0	0	2	0
12C	*Barbastella barbastellus*	Jul	0	0	0	0	1
12C	*Barbastella barbastellus*	Aug	0	0	0	1	0
12C	*Barbastella barbastellus*	Sep	0	0	0	0	1
12C	*Barbastella barbastellus*	Oct	0	0	1	2	3
12C	*Eptesicus*	May	0	0	3	0	0

	serotinus						
12C	*Eptesicus serotinus*	Jun	0	0	1	2	0
12C	*Eptesicus serotinus*	Jul	0	0	0	0	2
12C	*Eptesicus serotinus*	Aug	0	0	0	1	2
12C	*Eptesicus serotinus*	Sep	0	0	0	0	1
12C	*Eptesicus serotinus*	Oct	0	0	0	1	3
12C	*Myotis*	May	0	0	0	0	1
12C	*Myotis*	Jun	0	0	0	1	4
12C	*Myotis*	Jul	0	0	1	4	1
12C	*Myotis*	Aug	0	0	0	0	1
12C	*Myotis*	Sep	0	0	0	0	2
12C	*Myotis*	Oct	1	0	2	4	0
12C	*Nyctaloid*	Jun	0	2	1	0	1
12C	*Nyctaloid*	Oct	0	0	3	1	1
12C	*Nyctalus leisleri*	Jul	0	0	0	2	3
12C	*Nyctalus leisleri*	Aug	0	0	0	1	3
12C	*Nyctalus leisleri*	Sep	0	0	0	0	1
12C	*Nyctalus noctula*	May	1	0	2	0	1
12C	*Nyctalus noctula*	Jun	0	0	3	2	0
12C	*Nyctalus noctula*	Jul	0	2	5	1	2
12C	*Nyctalus noctula*	Aug	0	1	4	0	1
12C	*Nyctalus noctula*	Sep	0	1	3	0	1
12C	*Nyctalus noctula*	Oct	0	0	0	1	1
12C	*Pipistrellus*	May	3	1	0	0	0
12C	*Pipistrellus*	Oct	2	1	0	0	0
12C	*Pipistrellus nathusii*	Aug	0	0	0	0	2
12C	*Pipistrellus*	Sep	0	1	2	0	0

	nathusii						
12C	*Pipistrellus pipistrellus*	May	3	1	0	0	0
12C	*Pipistrellus pipistrellus*	Jun	6	1	0	0	0
12C	*Pipistrellus pipistrellus*	Jul	9	0	0	1	0
12C	*Pipistrellus pipistrellus*	Aug	3	3	0	0	0
12C	*Pipistrellus pipistrellus*	Sep	2	1	2	0	0
12C	*Pipistrellus pipistrellus*	Oct	1	3	3	0	0
12C	*Pipistrellus pygmaeus*	Sep	0	1	1	0	0
12C	*Plecotus*	May	0	0	0	0	1
13A	*Barbastella barbastellus*	May	0	0	0	0	1
13A	*Barbastella barbastellus*	Sep	0	0	0	0	2
13A	*Barbastella barbastellus*	Oct	0	0	0	0	1
13A	*Eptesicus serotinus*	May	0	0	1	2	3
13A	*Eptesicus serotinus*	Jun	0	0	1	0	0
13A	*Eptesicus serotinus*	Jul	0	0	1	0	1
13A	*Eptesicus serotinus*	Aug	0	0	0	0	1
13A	*Myotis*	May	0	0	0	0	1
13A	*Myotis*	Jul	0	1	3	1	0
13A	*Myotis*	Sep	0	0	0	0	1
13A	*Myotis*	Oct	0	0	0	0	1
13A	*Nyctalus*	Oct	0	1	2	3	0
13A	*Nyctalus leisleri*	May	0	0	2	2	2
13A	*Nyctalus leisleri*	Jun	0	0	0	1	1
13A	*Nyctalus leisleri*	Jul	0	2	2	0	1
13A	*Nyctalus leisleri*	Aug	0	0	0	0	2

13A	*Nyctalus leisleri*	Sep	0	0	4	1	0
13A	*Nyctalus noctula*	May	0	5	1	1	0
13A	*Nyctalus noctula*	Jun	1	3	2	0	0
13A	*Nyctalus noctula*	Jul	2	2	1	0	0
13A	*Nyctalus noctula*	Aug	0	0	1	0	2
13A	*Nyctalus noctula*	Sep	0	2	1	2	0
13A	*Nyctalus noctula*	Oct	0	0	2	2	3
13A	*Pipistrellus*	May	1	0	0	0	0
13A	*Pipistrellus*	Jun	1	0	0	0	0
13A	*Pipistrellus*	Jul	1	1	0	0	0
13A	*Pipistrellus*	Sep	4	1	0	0	0
13A	*Pipistrellus*	Oct	0	1	0	0	0
13A	*Pipistrellus nathusii*	May	0	0	0	0	1
13A	*Pipistrellus nathusii*	Jun	0	0	0	1	2
13A	*Pipistrellus nathusii*	Sep	0	0	0	1	3
13A	*Pipistrellus pipistrellus*	May	4	2	1	0	0
13A	*Pipistrellus pipistrellus*	Jun	2	4	0	0	0
13A	*Pipistrellus pipistrellus*	Jul	4	1	0	0	0
13A	*Pipistrellus pipistrellus*	Aug	0	0	2	3	0
13A	*Pipistrellus pipistrellus*	Sep	3	2	0	0	0
13A	*Pipistrellus pipistrellus*	Oct	0	2	2	2	0
13A	*Pipistrellus pygmaeus*	Aug	0	0	0	1	1
13B	*Barbastella barbastellus*	Jul	0	0	1	0	0

13B	*Barbastella barbastellus*	Aug	0	0	0	2	2
13B	*Barbastella barbastellus*	Sep	0	0	1	1	1
13B	*Barbastella barbastellus*	Oct	0	0	0	0	1
13B	*Eptesicus serotinus*	May	0	0	0	0	2
13B	*Eptesicus serotinus*	Jun	0	0	0	1	0
13B	*Eptesicus serotinus*	Jul	0	0	0	1	2
13B	*Eptesicus serotinus*	Aug	0	1	4	0	0
13B	*Eptesicus serotinus*	Sep	0	0	1	0	0
13B	*Eptesicus serotinus*	Oct	0	0	0	0	1
13B	*Myotis*	Jul	0	0	2	1	1
13B	*Myotis*	Aug	0	1	2	0	1
13B	*Myotis*	Sep	0	0	0	2	1
13B	*Myotis*	Oct	0	0	0	0	1
13B	*Nyctalus leisleri*	May	0	0	0	0	1
13B	*Nyctalus leisleri*	Jun	0	0	1	1	1
13B	*Nyctalus leisleri*	Jul	0	0	1	0	3
13B	*Nyctalus leisleri*	Aug	0	3	2	0	0
13B	*Nyctalus leisleri*	Sep	0	1	0	1	0
13B	*Nyctalus leisleri*	Oct	0	0	0	2	1
13B	*Nyctalus noctula*	May	0	0	1	3	1
13B	*Nyctalus noctula*	Jun	0	1	2	1	0
13B	*Nyctalus noctula*	Jul	0	2	3	0	0
13B	*Nyctalus noctula*	Aug	5	0	0	0	0
13B	*Nyctalus noctula*	Sep	1	1	1	1	1
13B	*Nyctalus*	Oct	0	0	1	0	2

	noctula						
13B	*Pipistrellus*	Jul	2	0	0	0	0
13B	*Pipistrellus*	Aug	4	0	0	0	0
13B	*Pipistrellus*	Sep	2	1	0	0	0
13B	*Pipistrellus*	Oct	0	1	0	0	0
13B	*Pipistrellus nathusii*	May	0	0	1	0	1
13B	*Pipistrellus nathusii*	Aug	0	0	0	1	0
13B	*Pipistrellus nathusii*	Sep	0	1	0	1	1
13B	*Pipistrellus pipistrellus*	May	5	0	0	0	0
13B	*Pipistrellus pipistrellus*	Jun	0	1	1	0	2
13B	*Pipistrellus pipistrellus*	Jul	5	0	0	0	0
13B	*Pipistrellus pipistrellus*	Aug	5	0	0	0	0
13B	*Pipistrellus pipistrellus*	Sep	4	1	0	0	0
13B	*Pipistrellus pipistrellus*	Oct	0	0	2	1	0
13C	*Barbastella barbastellus*	May	0	0	0	0	2
13C	*Barbastella barbastellus*	Jul	0	0	0	1	0
13C	*Barbastella barbastellus*	Sep	0	0	2	0	2
13C	*Eptesicus serotinus*	May	0	0	0	2	1
13C	*Eptesicus serotinus*	Jun	0	0	0	1	0
13C	*Eptesicus serotinus*	Jul	0	0	1	1	2
13C	*Eptesicus serotinus*	Aug	0	2	1	0	2
13C	*Eptesicus serotinus*	Sep	0	0	0	0	1
13C	*Myotis*	Jul	0	0	1	2	0

13C	*Myotis*	Aug	0	0	2	2	0
13C	*Myotis*	Sep	0	0	0	1	0
13C	*Myotis*	Oct	0	0	0	0	1
13C	*Nyctaloid*	Aug	1	0	0	0	0
13C	*Nyctalus*	Aug	5	0	0	0	0
13C	*Nyctalus*	Oct	0	0	1	1	0
13C	*Nyctalus leisleri*	May	0	0	1	1	1
13C	*Nyctalus leisleri*	Jun	0	0	1	1	0
13C	*Nyctalus leisleri*	Jul	0	1	2	0	4
13C	*Nyctalus leisleri*	Sep	0	0	5	0	0
13C	*Nyctalus noctula*	May	1	1	3	0	0
13C	*Nyctalus noctula*	Jun	0	1	2	0	1
13C	*Nyctalus noctula*	Jul	1	4	3	1	0
13C	*Nyctalus noctula*	Aug	4	1	0	0	0
13C	*Nyctalus noctula*	Sep	2	1	2	0	0
13C	*Nyctalus noctula*	Oct	0	0	0	0	3
13C	*Pipistrellus*	May	0	1	0	0	0
13C	*Pipistrellus*	Aug	4	0	0	0	0
13C	*Pipistrellus*	Sep	5	0	0	0	0
13C	*Pipistrellus*	Oct	0	0	0	1	0
13C	*Pipistrellus nathusii*	Sep	0	0	1	3	1
13C	*Pipistrellus pipistrellus*	May	0	1	2	0	1
13C	*Pipistrellus pipistrellus*	Jun	0	1	1	0	2
13C	*Pipistrellus pipistrellus*	Jul	2	4	1	1	0
13C	*Pipistrellus pipistrellus*	Aug	5	0	0	0	0
13C	*Pipistrellus pipistrellus*	Sep	5	0	0	0	0
13C	*Pipistrellus*	Oct	0	0	2	1	1

	pipistrellus						
2A	*Barbastella barbastellus*	Apr	0	0	0	0	2
2A	*Barbastella barbastellus*	Jul	0	0	0	1	1
2A	*Barbastella barbastellus*	Sep	0	0	0	0	1
2A	*Eptesicus serotinus*	Apr	0	0	2	1	0
2A	*Eptesicus serotinus*	May	0	0	2	1	1
2A	*Eptesicus serotinus*	Jul	0	0	0	4	0
2A	*Myotis*	Apr	0	0	1	1	3
2A	*Myotis*	May	0	0	0	2	2
2A	*Myotis*	Jun	0	0	1	0	2
2A	*Myotis*	Jul	0	0	1	3	1
2A	*Myotis*	Aug	0	0	0	1	0
2A	*Myotis*	Sep	0	0	0	1	0
2A	*Myotis*	Oct	0	0	1	2	0
2A	*Nyctaloid*	Apr	2	1	1	0	0
2A	*Nyctaloid*	May	4	1	0	0	0
2A	*Nyctaloid*	Jun	0	4	1	0	0
2A	*Nyctaloid*	Jul	1	2	2	0	0
2A	*Nyctaloid*	Sep	0	0	0	1	0
2A	*Nyctaloid*	Oct	0	0	1	2	0
2A	*Nyctalus leisleri*	Apr	0	0	0	1	2
2A	*Nyctalus leisleri*	May	0	0	0	2	3
2A	*Nyctalus leisleri*	Jun	0	0	0	2	1
2A	*Nyctalus leisleri*	Jul	0	0	1	1	0
2A	*Nyctalus leisleri*	Oct	0	0	0	0	1
2A	*Nyctalus noctula*	Apr	1	2	1	1	0
2A	*Nyctalus noctula*	May	2	3	0	0	1
2A	*Nyctalus noctula*	Jun	0	3	2	0	0
2A	*Nyctalus*	Jul	0	2	3	0	0

	noctula						
2A	*Nyctalus noctula*	Aug	0	0	0	0	1
2A	*Nyctalus noctula*	Sep	0	0	0	0	1
2A	*Nyctalus noctula*	Oct	0	0	0	1	2
2A	*Pipistrellus*	Apr	3	0	0	0	0
2A	*Pipistrellus*	May	1	0	0	0	0
2A	*Pipistrellus*	Jun	3	0	0	0	0
2A	*Pipistrellus*	Aug	1	0	0	0	0
2A	*Pipistrellus nathusii*	Jun	2	0	0	1	1
2A	*Pipistrellus pipistrellus*	Apr	3	2	0	0	0
2A	*Pipistrellus pipistrellus*	May	3	1	1	1	0
2A	*Pipistrellus pipistrellus*	Jun	5	0	0	0	0
2A	*Pipistrellus pipistrellus*	Jul	5	0	0	0	0
2A	*Pipistrellus pipistrellus*	Aug	2	0	0	0	0
2A	*Pipistrellus pipistrellus*	Sep	0	1	0	0	0
2A	*Pipistrellus pipistrellus*	Oct	1	1	1	0	2
2A	*Pipistrellus pygmaeus*	Apr	0	3	2	0	0
2A	*Pipistrellus pygmaeus*	May	0	1	3	1	1
2A	*Pipistrellus pygmaeus*	Jun	0	0	3	2	0
2A	*Pipistrellus pygmaeus*	Jul	0	3	2	0	0
2B	*Barbastella barbastellus*	Apr	0	0	0	0	2
2B	*Barbastella barbastellus*	May	0	0	3	2	0
2B	*Barbastella*	Jul	0	0	0	0	2

	barbastellus						
2B	*Barbastella barbastellus*	Sep	0	0	1	0	0
2B	*Barbastella barbastellus*	Oct	0	0	2	3	1
2B	*Eptesicus serotinus*	Apr	0	0	2	3	0
2B	*Eptesicus serotinus*	May	5	0	1	0	0
2B	*Eptesicus serotinus*	Jun	0	0	0	1	1
2B	*Eptesicus serotinus*	Jul	0	0	1	1	2
2B	*Eptesicus serotinus*	Aug	0	0	0	1	2
2B	*Eptesicus serotinus*	Oct	0	0	0	1	1
2B	*Myotis*	Apr	0	0	0	2	3
2B	*Myotis*	May	0	1	4	0	1
2B	*Myotis*	Jun	0	0	1	2	1
2B	*Myotis*	Jul	0	1	0	2	0
2B	*Myotis*	Aug	0	0	0	1	2
2B	*Myotis*	Sep	0	0	1	1	0
2B	*Myotis*	Oct	0	1	0	2	1
2B	*Nyctaloid*	Jun	0	3	2	0	0
2B	*Nyctaloid*	Jul	0	1	2	1	0
2B	*Nyctaloid*	Sep	0	0	1	0	0
2B	*Nyctalus leisleri*	Apr	0	0	0	0	1
2B	*Nyctalus leisleri*	May	4	1	0	0	1
2B	*Nyctalus leisleri*	Jul	0	0	0	0	2
2B	*Nyctalus leisleri*	Oct	0	0	1	1	4
2B	*Nyctalus noctula*	Apr	1	2	2	0	0
2B	*Nyctalus noctula*	May	3	1	0	1	0
2B	*Nyctalus noctula*	Jun	0	3	2	0	0
2B	*Nyctalus noctula*	Jul	0	1	0	2	1

2B	*Nyctalus noctula*	Sep	0	0	1	0	0
2B	*Nyctalus noctula*	Oct	0	0	0	0	2
2B	*Pipistrellus*	May	4	0	0	0	0
2B	*Pipistrellus*	Jun	1	0	0	0	0
2B	*Pipistrellus nathusii*	May	0	0	0	0	2
2B	*Pipistrellus nathusii*	Jul	0	0	0	0	1
2B	*Pipistrellus nathusii*	Oct	0	0	0	0	1
2B	*Pipistrellus pipistrellus*	Apr	0	2	1	2	0
2B	*Pipistrellus pipistrellus*	May	4	1	0	1	0
2B	*Pipistrellus pipistrellus*	Jun	3	1	0	1	0
2B	*Pipistrellus pipistrellus*	Jul	1	1	2	1	1
2B	*Pipistrellus pipistrellus*	Aug	0	2	2	2	0
2B	*Pipistrellus pipistrellus*	Sep	1	0	1	0	0
2B	*Pipistrellus pipistrellus*	Oct	2	3	1	1	0
2B	*Pipistrellus pygmaeus*	Apr	0	0	2	2	1
2B	*Pipistrellus pygmaeus*	Jun	0	1	0	2	1
2B	*Pipistrellus pygmaeus*	Jul	0	0	1	1	2
2B	*Pipistrellus pygmaeus*	Aug	1	2	1	1	0
2C	*Barbastella barbastellus*	May	0	0	0	1	1
2C	*Barbastella barbastellus*	Jun	0	0	0	0	1
2C	*Barbastella barbastellus*	Aug	0	0	0	0	2

2C	*Barbastella barbastellus*	Oct	0	0	0	0	1
2C	*Eptesicus serotinus*	Apr	0	1	2	0	2
2C	*Eptesicus serotinus*	May	1	1	3	1	0
2C	*Eptesicus serotinus*	Jul	0	1	1	2	1
2C	*Eptesicus serotinus*	Aug	0	1	3	1	1
2C	*Eptesicus serotinus*	Oct	0	0	0	0	1
2C	*Myotis*	Apr	0	0	1	1	2
2C	*Myotis*	May	0	2	2	1	1
2C	*Myotis*	Jun	0	0	0	0	4
2C	*Myotis*	Jul	0	1	1	1	1
2C	*Myotis*	Aug	0	0	2	1	3
2C	*Myotis*	Sep	0	0	0	1	0
2C	*Myotis*	Oct	0	0	0	0	1
2C	*Nyctaloid*	May	3	3	0	0	0
2C	*Nyctaloid*	Jun	0	2	2	0	0
2C	*Nyctaloid*	Jul	0	2	2	1	0
2C	*Nyctaloid*	Aug	0	4	1	0	1
2C	*Nyctalus leisleri*	Apr	0	1	0	1	1
2C	*Nyctalus leisleri*	May	0	0	0	1	4
2C	*Nyctalus leisleri*	Sep	0	0	0	0	1
2C	*Nyctalus noctula*	Apr	0	2	3	0	0
2C	*Nyctalus noctula*	May	2	3	1	0	0
2C	*Nyctalus noctula*	Jun	0	0	5	1	0
2C	*Nyctalus noctula*	Jul	0	1	1	0	1
2C	*Nyctalus noctula*	Aug	0	0	1	3	1
2C	*Nyctalus noctula*	Sep	0	0	0	0	1
2C	*Nyctalus*	Oct	0	0	0	0	1

	noctula						
2C	*Pipistrellus*	May	3	0	0	0	0
2C	*Pipistrellus*	Jun	5	0	0	0	0
2C	*Pipistrellus*	Jul	1	0	0	0	0
2C	*Pipistrellus*	Sep	1	0	0	0	0
2C	*Pipistrellus nathusii*	Apr	0	0	1	2	0
2C	*Pipistrellus nathusii*	Jun	0	0	1	0	0
2C	*Pipistrellus nathusii*	Jul	0	0	0	2	1
2C	*Pipistrellus pipistrellus*	Apr	3	2	0	0	0
2C	*Pipistrellus pipistrellus*	May	6	0	0	0	0
2C	*Pipistrellus pipistrellus*	Jun	7	0	0	0	0
2C	*Pipistrellus pipistrellus*	Jul	5	1	0	0	0
2C	*Pipistrellus pipistrellus*	Aug	5	0	1	0	1
2C	*Pipistrellus pipistrellus*	Sep	0	1	0	0	0
2C	*Pipistrellus pipistrellus*	Oct	0	2	1	0	0
2C	*Pipistrellus pygmaeus*	Apr	0	1	1	2	0
2C	*Pipistrellus pygmaeus*	May	0	1	2	0	1
2C	*Pipistrellus pygmaeus*	Jun	5	2	0	0	0
2C	*Pipistrellus pygmaeus*	Jul	0	0	1	1	2
2C	*Pipistrellus pygmaeus*	Aug	0	2	2	1	0
4A	*Barbastella barbastellus*	Apr	0	0	0	1	0
4A	*Barbastella barbastellus*	May	0	0	2	1	1
4A	*Barbastella*	Oct	0	0	0	0	2

	barbastellus						
4A	*Eptesicus serotinus*	Apr	0	5	0	0	0
4A	*Eptesicus serotinus*	May	0	1	1	2	1
4A	*Eptesicus serotinus*	Jun	0	0	2	0	2
4A	*Eptesicus serotinus*	Jul	0	0	1	1	2
4A	*Eptesicus serotinus*	Aug	0	0	0	0	1
4A	*Eptesicus serotinus*	Sep	0	0	0	0	1
4A	*Eptesicus serotinus*	Oct	1	1	1	2	0
4A	*Myotis*	Apr	0	0	0	1	1
4A	*Myotis*	May	0	0	3	1	1
4A	*Myotis*	Jun	0	0	0	0	3
4A	*Myotis*	Aug	0	0	0	0	1
4A	*Nyctaloid*	Apr	3	1	0	0	0
4A	*Nyctaloid*	Jun	0	2	1	0	0
4A	*Nyctaloid*	Jul	0	1	3	0	1
4A	*Nyctaloid*	Aug	0	2	3	0	0
4A	*Nyctaloid*	Oct	1	0	1	0	0
4A	*Nyctalus leisleri*	Apr	0	0	0	1	4
4A	*Nyctalus leisleri*	Jul	0	0	0	0	1
4A	*Nyctalus leisleri*	Aug	0	0	0	1	0
4A	*Nyctalus noctula*	Apr	0	0	3	0	2
4A	*Nyctalus noctula*	May	0	0	2	0	0
4A	*Nyctalus noctula*	Jun	0	0	4	1	2
4A	*Nyctalus noctula*	Jul	0	2	1	5	1
4A	*Nyctalus noctula*	Aug	0	0	5	0	2
4A	*Nyctalus noctula*	Sep	0	0	1	1	1

4A	*Nyctalus noctula*	Oct	0	0	0	1	1
4A	*Pipistrellus*	Jun	3	0	0	0	1
4A	*Pipistrellus nathusii*	May	1	1	2	0	1
4A	*Pipistrellus nathusii*	Jul	0	0	0	0	2
4A	*Pipistrellus pipistrellus*	Apr	0	2	3	0	0
4A	*Pipistrellus pipistrellus*	May	3	2	0	0	0
4A	*Pipistrellus pipistrellus*	Jun	1	1	4	0	1
4A	*Pipistrellus pipistrellus*	Jul	0	0	1	4	2
4A	*Pipistrellus pipistrellus*	Aug	4	3	0	0	0
4A	*Pipistrellus pipistrellus*	Sep	1	0	1	0	0
4A	*Pipistrellus pipistrellus*	Oct	0	0	1	2	1
4A	*Pipistrellus pygmaeus*	Apr	0	0	0	1	2
4A	*Pipistrellus pygmaeus*	May	4	1	0	0	0
4A	*Pipistrellus pygmaeus*	Jun	3	3	1	1	0
4A	*Pipistrellus pygmaeus*	Aug	1	2	2	0	1
4B	*Barbastella barbastellus*	May	0	0	1	1	1
4B	*Barbastella barbastellus*	Oct	0	0	0	2	1
4B	*Eptesicus serotinus*	Apr	1	4	0	0	0
4B	*Eptesicus serotinus*	May	0	0	0	0	3
4B	*Eptesicus serotinus*	Jul	0	1	1	3	0
4B	*Eptesicus*	Aug	0	0	0	0	1

	serotinus						
4B	*Eptesicus serotinus*	Sep	0	1	0	0	0
4B	*Eptesicus serotinus*	Oct	0	1	1	0	2
4B	*Myotis*	Apr	0	0	0	1	1
4B	*Myotis*	May	1	1	1	1	0
4B	*Myotis*	Jun	1	0	1	1	0
4B	*Myotis*	Jul	1	2	0	1	0
4B	*Myotis*	Aug	0	1	3	1	0
4B	*Myotis*	Sep	0	2	2	0	1
4B	*Myotis*	Oct	0	2	1	2	0
4B	*Nyctaloid*	Apr	3	2	0	0	0
4B	*Nyctaloid*	May	0	0	2	0	0
4B	*Nyctaloid*	Jun	0	0	1	2	0
4B	*Nyctaloid*	Jul	1	2	0	0	0
4B	*Nyctaloid*	Aug	0	0	1	0	1
4B	*Nyctaloid*	Sep	1	0	0	2	1
4B	*Nyctaloid*	Oct	0	0	0	1	0
4B	*Nyctalus leisleri*	Apr	0	0	0	1	1
4B	*Nyctalus leisleri*	May	0	0	0	0	1
4B	*Nyctalus leisleri*	Jul	0	0	0	1	1
4B	*Nyctalus noctula*	Apr	0	0	3	0	1
4B	*Nyctalus noctula*	May	0	0	1	2	1
4B	*Nyctalus noctula*	Jun	0	0	0	0	4
4B	*Nyctalus noctula*	Jul	1	1	2	0	1
4B	*Nyctalus noctula*	Aug	0	0	1	0	0
4B	*Nyctalus noctula*	Sep	0	0	1	1	2
4B	*Nyctalus noctula*	Oct	0	0	1	0	1
4B	*Pipistrellus pipistrellus*	Apr	0	2	3	0	0

4B	*Pipistrellus pipistrellus*	May	1	0	3	0	0
4B	*Pipistrellus pipistrellus*	Jul	1	2	1	1	0
4B	*Pipistrellus pipistrellus*	Sep	0	0	2	1	0
4B	*Pipistrellus pygmaeus*	Apr	0	0	1	1	1
4B	*Pipistrellus pygmaeus*	May	0	1	3	0	0
4B	*Pipistrellus pygmaeus*	Jul	0	0	2	1	0
4B	*Pipistrellus pygmaeus*	Sep	0	0	0	0	2
4C	*Barbastella barbastellus*	Apr	0	0	0	0	1
4C	*Barbastella barbastellus*	Jul	0	0	0	1	0
4C	*Barbastella barbastellus*	Aug	0	0	0	1	0
4C	*Eptesicus serotinus*	Apr	0	0	1	1	0
4C	*Eptesicus serotinus*	Jun	0	0	0	1	1
4C	*Eptesicus serotinus*	Jul	1	3	1	0	0
4C	*Eptesicus serotinus*	Aug	0	0	0	1	0
4C	*Eptesicus serotinus*	Sep	0	0	0	0	1
4C	*Eptesicus serotinus*	Oct	0	0	1	2	0
4C	*Myotis*	Apr	0	2	3	0	0
4C	*Myotis*	Jun	0	2	2	1	0
4C	*Myotis*	Aug	0	1	0	0	0
4C	*Myotis*	Sep	0	0	2	1	3
4C	*Myotis*	Oct	0	0	0	2	1
4C	*Nyctaloid*	Apr	0	0	1	0	0
4C	*Nyctaloid*	Jul	4	1	0	0	0

4C	*Nyctaloid*	Aug	0	1	0	0	0
4C	*Nyctaloid*	Oct	0	0	0	0	2
4C	*Nyctalus leisleri*	Jun	0	0	1	0	0
4C	*Nyctalus leisleri*	Jul	0	0	0	0	1
4C	*Nyctalus noctula*	Apr	0	0	0	2	0
4C	*Nyctalus noctula*	Jun	0	0	1	2	1
4C	*Nyctalus noctula*	Jul	0	5	0	0	0
4C	*Nyctalus noctula*	Aug	0	0	1	0	1
4C	*Nyctalus noctula*	Sep	0	0	0	0	1
4C	*Nyctalus noctula*	Oct	0	0	1	0	1
4C	*Pipistrellus*	Jul	1	0	0	0	0
4C	*Pipistrellus*	Aug	0	0	1	0	0
4C	*Pipistrellus pipistrellus*	Apr	2	1	0	1	1
4C	*Pipistrellus pipistrellus*	Jul	5	0	0	0	0
4C	*Pipistrellus pipistrellus*	Aug	0	1	1	0	0
4C	*Pipistrellus pipistrellus*	Oct	0	0	1	1	0
4C	*Pipistrellus pygmaeus*	Apr	1	0	1	2	1
4C	*Pipistrellus pygmaeus*	Jun	0	2	2	1	0
4C	*Pipistrellus pygmaeus*	Jul	0	1	2	2	0
4C	*Pipistrellus pygmaeus*	Sep	0	0	1	2	2
4C	*Pipistrellus pygmaeus*	Oct	0	0	1	1	3
4C	*Rhinolophus hipposideros*	Sep	0	0	0	0	1
5A	*Barbastella barbastellus*	May	0	0	0	1	2

5A	*Barbastella barbastellus*	Jun	0	0	0	0	2
5A	*Barbastella barbastellus*	Aug	0	0	0	2	1
5A	*Barbastella barbastellus*	Sep	0	1	1	1	0
5A	*Eptesicus serotinus*	Apr	0	0	1	1	0
5A	*Eptesicus serotinus*	May	0	0	1	3	2
5A	*Eptesicus serotinus*	Jun	0	1	4	0	1
5A	*Eptesicus serotinus*	Aug	0	1	1	3	1
5A	*Eptesicus serotinus*	Sep	0	0	1	1	1
5A	*Eptesicus serotinus*	Oct	0	0	0	2	1
5A	*Myotis*	Apr	0	0	1	1	1
5A	*Myotis*	May	0	2	2	2	1
5A	*Myotis*	Jun	0	0	0	0	1
5A	*Myotis*	Jul	0	0	0	0	1
5A	*Myotis*	Aug	0	1	3	1	0
5A	*Myotis*	Sep	0	1	2	0	0
5A	*Nyctaloid*	Apr	0	0	1	1	1
5A	*Nyctaloid*	Jun	0	4	2	0	0
5A	*Nyctaloid*	Aug	0	3	2	0	0
5A	*Nyctaloid*	Sep	0	0	1	0	0
5A	*Nyctaloid*	Oct	0	0	3	1	1
5A	*Nyctalus leisleri*	Jun	0	0	1	0	3
5A	*Nyctalus noctula*	Apr	0	0	0	4	0
5A	*Nyctalus noctula*	May	0	0	2	1	4
5A	*Nyctalus noctula*	Jun	0	3	2	2	0
5A	*Nyctalus noctula*	Aug	0	0	4	0	2
5A	*Nyctalus*	Sep	0	0	0	1	0

	noctula						
5A	*Nyctalus noctula*	Oct	0	0	1	0	3
5A	*Pipistrellus*	Jul	0	0	1	0	0
5A	*Pipistrellus nathusii*	Jun	0	0	0	0	1
5A	*Pipistrellus nathusii*	Aug	0	0	0	0	1
5A	*Pipistrellus nathusii*	Sep	0	0	0	0	2
5A	*Pipistrellus pipistrellus*	Apr	0	1	1	1	0
5A	*Pipistrellus pipistrellus*	May	2	3	1	0	1
5A	*Pipistrellus pipistrellus*	Jun	0	3	2	2	0
5A	*Pipistrellus pipistrellus*	Jul	0	0	0	1	1
5A	*Pipistrellus pipistrellus*	Aug	0	5	0	0	0
5A	*Pipistrellus pipistrellus*	Sep	2	0	1	0	0
5A	*Pipistrellus pipistrellus*	Oct	0	0	0	3	0
5A	*Pipistrellus pygmaeus*	May	0	0	0	0	1
5A	*Pipistrellus pygmaeus*	Jun	0	0	1	1	2
5A	*Pipistrellus pygmaeus*	Aug	0	0	4	0	2
5B	*Barbastella barbastellus*	May	0	0	0	2	2
5B	*Barbastella barbastellus*	Jul	0	1	0	0	1
5B	*Barbastella barbastellus*	Aug	0	0	0	2	2
5B	*Eptesicus serotinus*	Apr	0	0	0	0	1
5B	*Eptesicus serotinus*	May	1	2	3	3	2

5B	*Eptesicus serotinus*	Jun	0	0	2	1	0
5B	*Eptesicus serotinus*	Jul	0	0	0	2	1
5B	*Eptesicus serotinus*	Aug	0	0	2	1	3
5B	*Eptesicus serotinus*	Sep	0	0	0	3	0
5B	*Eptesicus serotinus*	Oct	0	0	0	0	1
5B	*Myotis*	Apr	0	1	1	2	0
5B	*Myotis*	May	0	1	9	1	1
5B	*Myotis*	Jun	0	1	2	0	0
5B	*Myotis*	Jul	0	0	1	2	1
5B	*Myotis*	Aug	0	2	0	1	2
5B	*Myotis*	Sep	0	0	0	1	1
5B	*Myotis*	Oct	0	0	0	0	2
5B	*Nyctaloid*	Apr	0	0	1	1	0
5B	*Nyctaloid*	May	3	3	3	1	0
5B	*Nyctaloid*	Jun	0	2	1	0	0
5B	*Nyctaloid*	Jul	0	0	0	1	0
5B	*Nyctaloid*	Aug	0	3	1	0	0
5B	*Nyctaloid*	Sep	0	0	2	0	1
5B	*Nyctaloid*	Oct	0	0	0	0	1
5B	*Nyctalus leisleri*	Apr	0	0	0	1	2
5B	*Nyctalus leisleri*	May	0	0	0	0	4
5B	*Nyctalus noctula*	Apr	0	0	0	0	1
5B	*Nyctalus noctula*	May	0	8	3	2	2
5B	*Nyctalus noctula*	Jun	0	0	2	1	0
5B	*Nyctalus noctula*	Jul	0	0	0	1	3
5B	*Nyctalus noctula*	Aug	0	0	1	1	2
5B	*Nyctalus noctula*	Sep	0	0	0	0	1

5B	*Nyctalus noctula*	Oct	0	0	0	1	1
5B	*Pipistrellus*	May	1	0	0	1	0
5B	*Pipistrellus*	Jul	2	0	0	0	0
5B	*Pipistrellus*	Aug	5	0	1	0	0
5B	*Pipistrellus*	Sep	1	1	0	0	0
5B	*Pipistrellus nathusii*	May	0	0	0	0	1
5B	*Pipistrellus pipistrellus*	Apr	1	1	1	1	0
5B	*Pipistrellus pipistrellus*	May	9	4	0	2	0
5B	*Pipistrellus pipistrellus*	Jun	2	1	0	0	0
5B	*Pipistrellus pipistrellus*	Jul	4	2	0	0	0
5B	*Pipistrellus pipistrellus*	Sep	0	2	3	2	0
5B	*Pipistrellus pipistrellus*	Oct	0	0	1	3	0
5B	*Pipistrellus pygmaeus*	Apr	1	1	0	0	0
5B	*Pipistrellus pygmaeus*	May	1	3	2	3	3
5B	*Pipistrellus pygmaeus*	Jun	0	0	2	0	0
5B	*Pipistrellus pygmaeus*	Jul	0	3	3	0	0
5B	*Pipistrellus pygmaeus*	Aug	3	1	1	1	0
5C	*Barbastella barbastellus*	Jul	0	0	0	1	0
5C	*Barbastella barbastellus*	Aug	0	0	0	0	1
5C	*Barbastella barbastellus*	Sep	0	0	1	0	0
5C	*Eptesicus serotinus*	Jun	0	0	1	0	1
5C	*Eptesicus serotinus*	Jul	1	2	1	4	0

5C	*Eptesicus serotinus*	Aug	0	0	1	1	3
5C	*Eptesicus serotinus*	Sep	0	0	0	2	1
5C	*Eptesicus serotinus*	Oct	0	0	4	2	1
5C	*Myotis*	Apr	1	1	1	0	1
5C	*Myotis*	May	0	0	2	0	3
5C	*Myotis*	Jun	0	1	2	2	0
5C	*Myotis*	Jul	0	0	1	1	3
5C	*Myotis*	Aug	0	0	2	1	0
5C	*Myotis*	Sep	0	1	0	2	1
5C	*Myotis*	Oct	0	5	2	0	0
5C	*Nyctaloid*	Apr	0	0	0	1	0
5C	*Nyctaloid*	Jun	0	1	2	0	0
5C	*Nyctaloid*	Jul	3	2	1	1	0
5C	*Nyctaloid*	Aug	0	1	3	0	0
5C	*Nyctaloid*	Oct	0	1	2	1	0
5C	*Nyctalus leisleri*	Jul	0	0	0	1	0
5C	*Nyctalus leisleri*	Aug	0	0	0	2	0
5C	*Nyctalus leisleri*	Sep	0	0	0	0	2
5C	*Nyctalus noctula*	Apr	0	0	0	0	1
5C	*Nyctalus noctula*	May	0	0	1	0	3
5C	*Nyctalus noctula*	Jun	0	0	5	1	0
5C	*Nyctalus noctula*	Jul	0	1	4	4	0
5C	*Nyctalus noctula*	Aug	0	0	0	2	2
5C	*Nyctalus noctula*	Sep	0	0	0	0	1
5C	*Nyctalus noctula*	Oct	0	1	1	1	4
5C	*Pipistrellus*	Apr	1	0	0	0	0
5C	*Pipistrellus*	May	0	0	1	0	0
5C	*Pipistrellus*	Jun	0	3	1	0	0

5C	*Pipistrellus*	Aug	3	0	0	0	0
5C	*Pipistrellus*	Sep	4	0	0	0	0
5C	*Pipistrellus*	Oct	0	1	0	0	0
5C	*Pipistrellus nathusii*	Apr	0	0	0	0	2
5C	*Pipistrellus nathusii*	Aug	0	0	0	0	2
5C	*Pipistrellus nathusii*	Sep	0	0	0	2	0
5C	*Pipistrellus pipistrellus*	Apr	2	0	1	0	0
5C	*Pipistrellus pipistrellus*	May	0	4	1	0	1
5C	*Pipistrellus pipistrellus*	Jun	0	1	3	2	0
5C	*Pipistrellus pipistrellus*	Jul	4	7	0	0	0
5C	*Pipistrellus pipistrellus*	Aug	6	0	0	0	1
5C	*Pipistrellus pipistrellus*	Sep	2	2	0	0	0
5C	*Pipistrellus pipistrellus*	Oct	3	3	1	0	0
5C	*Pipistrellus pygmaeus*	Apr	1	0	1	0	0
5C	*Pipistrellus pygmaeus*	May	0	0	0	0	3
5C	*Pipistrellus pygmaeus*	Jun	0	0	0	1	3
5C	*Pipistrellus pygmaeus*	Jul	0	1	4	4	0
5C	*Pipistrellus pygmaeus*	Aug	0	3	3	0	0
6A	*Barbastella barbastellus*	Sep	0	0	0	4	1
6A	*Eptesicus serotinus*	Apr	0	0	0	0	1
6A	*Eptesicus serotinus*	May	0	0	0	0	2
6A	*Eptesicus*	Jun	0	0	2	0	1

	serotinus						
6A	*Eptesicus serotinus*	Sep	0	0	2	1	2
6A	*Eptesicus serotinus*	Oct	0	0	0	1	0
6A	*Myotis*	May	0	0	1	1	1
6A	*Myotis*	Jun	0	0	2	2	0
6A	*Myotis*	Jul	0	0	3	1	1
6A	*Myotis*	Aug	0	0	0	0	1
6A	*Myotis*	Sep	0	3	1	1	0
6A	*Nyctaloid*	Apr	0	0	1	2	0
6A	*Nyctaloid*	May	0	0	1	1	0
6A	*Nyctaloid*	Jun	0	1	3	0	0
6A	*Nyctaloid*	Jul	0	1	1	0	0
6A	*Nyctaloid*	Aug	0	0	0	1	0
6A	*Nyctaloid*	Sep	0	2	1	2	0
6A	*Nyctaloid*	Oct	0	0	1	0	0
6A	*Nyctalus leisleri*	Apr	0	0	0	0	1
6A	*Nyctalus leisleri*	May	0	0	0	1	0
6A	*Nyctalus noctula*	Apr	0	0	1	0	2
6A	*Nyctalus noctula*	May	0	0	0	1	0
6A	*Nyctalus noctula*	Jun	0	0	0	1	0
6A	*Nyctalus noctula*	Jul	0	0	2	2	1
6A	*Nyctalus noctula*	Aug	0	0	0	0	1
6A	*Nyctalus noctula*	Sep	0	1	0	1	2
6A	*Nyctalus noctula*	Oct	0	0	1	2	0
6A	*Pipistrellus*	Jul	0	1	0	0	0
6A	*Pipistrellus nathusii*	Sep	0	0	0	0	1
6A	*Pipistrellus pipistrellus*	Apr	1	2	0	1	0
6A	*Pipistrellus*	May	2	2	0	0	0

	pipistrellus						
6A	*Pipistrellus pipistrellus*	Jun	3	2	0	0	0
6A	*Pipistrellus pipistrellus*	Jul	0	0	3	2	0
6A	*Pipistrellus pipistrellus*	Sep	5	0	0	0	0
6A	*Pipistrellus pygmaeus*	May	0	1	0	2	1
6A	*Pipistrellus pygmaeus*	Jul	0	1	1	0	2
6A	*Pipistrellus pygmaeus*	Aug	0	0	0	1	0
6B	*Barbastella barbastellus*	May	0	0	0	2	0
6B	*Barbastella barbastellus*	Aug	0	0	0	1	0
6B	*Barbastella barbastellus*	Sep	0	0	2	2	1
6B	*Eptesicus serotinus*	May	0	0	2	1	1
6B	*Eptesicus serotinus*	Jun	0	0	0	2	0
6B	*Eptesicus serotinus*	Jul	1	3	1	0	0
6B	*Eptesicus serotinus*	Aug	0	0	3	2	0
6B	*Eptesicus serotinus*	Sep	0	0	1	0	2
6B	*Eptesicus serotinus*	Oct	4	0	0	1	0
6B	*Myotis*	Jun	0	0	1	1	1
6B	*Myotis*	Jul	0	0	1	3	1
6B	*Myotis*	Aug	0	1	3	0	1
6B	*Myotis*	Sep	2	3	0	0	0
6B	*Nyctaloid*	May	0	1	0	0	0
6B	*Nyctaloid*	Jun	0	1	2	0	0
6B	*Nyctaloid*	Jul	2	1	0	0	0
6B	*Nyctaloid*	Aug	1	4	0	0	0

6B	*Nyctaloid*	Oct	4	0	0	0	0
6B	*Nyctalus leisleri*	Apr	0	0	0	0	1
6B	*Nyctalus leisleri*	Jul	0	0	0	2	3
6B	*Nyctalus leisleri*	Sep	0	0	0	2	1
6B	*Nyctalus noctula*	Apr	0	0	0	1	1
6B	*Nyctalus noctula*	May	0	0	0	1	2
6B	*Nyctalus noctula*	Jun	0	1	1	2	1
6B	*Nyctalus noctula*	Jul	1	1	1	1	0
6B	*Nyctalus noctula*	Aug	0	0	3	0	2
6B	*Nyctalus noctula*	Sep	0	0	1	0	2
6B	*Nyctalus noctula*	Oct	0	0	0	1	1
6B	*Pipistrellus*	Jun	3	0	0	0	0
6B	*Pipistrellus*	Jul	1	0	0	0	0
6B	*Pipistrellus*	Aug	1	2	0	0	0
6B	*Pipistrellus*	Sep	3	0	0	0	0
6B	*Pipistrellus nathusii*	May	0	0	0	0	1
6B	*Pipistrellus nathusii*	Jul	0	0	1	0	0
6B	*Pipistrellus pipistrellus*	May	1	2	1	0	1
6B	*Pipistrellus pipistrellus*	Jun	4	1	0	0	0
6B	*Pipistrellus pipistrellus*	Jul	4	1	0	0	0
6B	*Pipistrellus pipistrellus*	Aug	1	3	1	0	0
6B	*Pipistrellus pipistrellus*	Sep	5	0	0	0	0
6B	*Pipistrellus pygmaeus*	Apr	0	0	0	1	0
6B	*Pipistrellus*	May	0	0	0	0	2

	pygmaeus						
6B	*Pipistrellus pygmaeus*	Jun	5	0	0	0	0
6B	*Pipistrellus pygmaeus*	Jul	0	0	2	2	0
6B	*Pipistrellus pygmaeus*	Aug	0	1	0	3	1
6C	*Barbastella barbastellus*	Jun	0	0	0	0	1
6C	*Barbastella barbastellus*	Sep	0	0	0	1	2
6C	*Barbastella barbastellus*	Oct	0	0	0	1	0
6C	*Eptesicus serotinus*	Apr	0	0	2	1	0
6C	*Eptesicus serotinus*	May	0	0	0	1	0
6C	*Eptesicus serotinus*	Jun	0	0	0	2	0
6C	*Eptesicus serotinus*	Jul	0	0	0	2	1
6C	*Eptesicus serotinus*	Aug	0	0	2	1	1
6C	*Eptesicus serotinus*	Sep	1	5	0	0	0
6C	*Eptesicus serotinus*	Oct	3	4	0	0	0
6C	*Myotis*	Apr	1	0	0	3	1
6C	*Myotis*	May	0	0	0	0	1
6C	*Myotis*	Jun	0	0	0	0	1
6C	*Myotis*	Jul	1	0	2	0	0
6C	*Myotis*	Aug	0	0	0	2	0
6C	*Myotis*	Sep	0	6	0	0	0
6C	*Myotis*	Oct	4	1	0	1	1
6C	*Nyctaloid*	May	0	0	1	2	0
6C	*Nyctaloid*	Jun	0	0	1	0	0
6C	*Nyctaloid*	Jul	0	0	1	1	0
6C	*Nyctaloid*	Aug	0	0	3	2	0
6C	*Nyctaloid*	Sep	5	1	0	0	0

6C	*Nyctalus leisleri*	Oct	4	3	0	0	0
6C	*Nyctalus noctula*	Apr	0	0	1	1	0
6C	*Nyctalus noctula*	May	0	0	0	2	2
6C	*Nyctalus noctula*	Jun	0	0	1	2	1
6C	*Nyctalus noctula*	Jul	0	0	3	0	2
6C	*Nyctalus noctula*	Sep	0	3	2	1	0
6C	*Nyctalus noctula*	Oct	0	0	0	0	3
6C	*Pipistrellus*	Sep	6	0	0	0	0
6C	*Pipistrellus*	Oct	5	0	0	0	0
6C	*Pipistrellus nathusii*	Jun	0	0	0	0	1
6C	*Pipistrellus pipistrellus*	Apr	3	1	0	0	2
6C	*Pipistrellus pipistrellus*	May	0	0	1	2	1
6C	*Pipistrellus pipistrellus*	Jun	5	0	0	0	0
6C	*Pipistrellus pipistrellus*	Jul	0	1	1	0	1
6C	*Pipistrellus pipistrellus*	Aug	0	0	0	0	1
6C	*Pipistrellus pipistrellus*	Sep	6	0	0	0	0
6C	*Pipistrellus pipistrellus*	Oct	7	0	0	0	0
6C	*Pipistrellus pygmaeus*	Apr	2	0	1	0	1
6C	*Pipistrellus pygmaeus*	May	0	0	0	0	1
6C	*Pipistrellus pygmaeus*	Jun	0	2	2	0	0
8A	*Barbastella barbastellus*	May	0	0	0	1	0
8A	*Barbastella*	Jun	0	0	0	0	1

	barbastellus						
8A	*Eptesicus serotinus*	May	0	4	0	2	2
8A	*Eptesicus serotinus*	Jun	0	0	0	1	1
8A	*Eptesicus serotinus*	Jul	0	0	1	1	2
8A	*Eptesicus serotinus*	Aug	0	0	4	1	0
8A	*Eptesicus serotinus*	Sep	0	0	1	2	1
8A	*Eptesicus serotinus*	Oct	0	0	3	2	0
8A	*Myotis*	May	0	0	0	3	2
8A	*Myotis*	Aug	0	1	1	0	0
8A	*Myotis*	Sep	0	0	1	0	2
8A	*Myotis*	Oct	0	3	1	0	0
8A	*Nyctaloid*	May	1	1	0	0	0
8A	*Nyctaloid*	Jul	0	2	1	0	0
8A	*Nyctaloid*	Aug	3	1	0	0	0
8A	*Nyctaloid*	Oct	0	1	2	0	0
8A	*Nyctalus leisleri*	May	0	0	0	0	3
8A	*Nyctalus leisleri*	Jun	0	0	2	0	0
8A	*Nyctalus noctula*	May	0	4	2	8	2
8A	*Nyctalus noctula*	Jun	0	1	1	1	0
8A	*Nyctalus noctula*	Jul	0	1	4	0	0
8A	*Nyctalus noctula*	Aug	1	2	2	0	0
8A	*Nyctalus noctula*	Sep	0	0	1	2	0
8A	*Nyctalus noctula*	Oct	0	0	1	2	1
8A	*Pipistrellus*	May	2	0	0	0	0
8A	*Pipistrellus*	Jun	3	0	0	0	0
8A	*Pipistrellus*	Jul	3	0	0	0	0
8A	*Pipistrellus*	Aug	2	0	0	0	0

8A	*Pipistrellus nathusii*	May	0	0	0	2	2
8A	*Pipistrellus nathusii*	Oct	0	0	0	0	1
8A	*Pipistrellus pipistrellus*	May	11	3	1	1	1
8A	*Pipistrellus pipistrellus*	Jun	3	0	0	0	0
8A	*Pipistrellus pipistrellus*	Jul	5	0	0	0	0
8A	*Pipistrellus pipistrellus*	Aug	5	0	0	0	0
8A	*Pipistrellus pipistrellus*	Sep	0	3	1	1	0
8A	*Pipistrellus pipistrellus*	Oct	4	1	0	0	0
8A	*Pipistrellus pygmaeus*	May	0	3	0	2	0
8A	*Pipistrellus pygmaeus*	Jun	1	0	0	1	1
8A	*Pipistrellus pygmaeus*	Jul	0	2	3	0	0
8A	*Pipistrellus pygmaeus*	Aug	1	4	0	0	0
8A	*Pipistrellus pygmaeus*	Sep	0	3	2	0	0
8A	*Pipistrellus pygmaeus*	Oct	3	2	0	0	0
8A	*Rhinolophus hipposideros*	Sep	0	0	0	1	0
8B	*Barbastella barbastellus*	May	0	0	0	0	1
8B	*Barbastella barbastellus*	Jun	0	0	0	3	0
8B	*Barbastella barbastellus*	Jul	0	0	0	0	1
8B	*Barbastella barbastellus*	Aug	0	0	0	1	1
8B	*Barbastella barbastellus*	Sep	3	1	1	0	0

8B	*Barbastella barbastellus*	Oct	0	0	0	0	2
8B	*Eptesicus serotinus*	May	0	0	0	3	2
8B	*Eptesicus serotinus*	Jun	0	0	2	1	0
8B	*Eptesicus serotinus*	Jul	0	0	4	1	0
8B	*Eptesicus serotinus*	Aug	0	0	0	3	1
8B	*Eptesicus serotinus*	Sep	0	2	3	0	0
8B	*Eptesicus serotinus*	Oct	0	4	1	0	0
8B	*Myotis*	May	0	3	2	0	0
8B	*Myotis*	Jun	0	1	1	2	1
8B	*Myotis*	Jul	0	0	2	2	0
8B	*Myotis*	Aug	0	0	1	1	1
8B	*Myotis*	Sep	1	3	0	0	1
8B	*Myotis*	Oct	1	3	1	0	0
8B	*Nyctaloid*	May	0	5	0	0	0
8B	*Nyctaloid*	Jun	0	4	1	0	0
8B	*Nyctaloid*	Jul	1	4	0	0	0
8B	*Nyctaloid*	Aug	0	1	0	0	0
8B	*Nyctaloid*	Oct	3	1	0	0	0
8B	*Nyctalus leisleri*	May	0	0	0	0	2
8B	*Nyctalus leisleri*	Sep	0	0	2	3	0
8B	*Nyctalus leisleri*	Oct	0	0	0	0	1
8B	*Nyctalus noctula*	May	0	3	2	0	0
8B	*Nyctalus noctula*	Jun	0	0	4	0	1
8B	*Nyctalus noctula*	Jul	0	4	1	0	0
8B	*Nyctalus noctula*	Aug	0	0	1	1	2
8B	*Nyctalus noctula*	Sep	0	3	2	0	0
8B	*Nyctalus*	Oct	0	1	4	0	0

	noctula						
8B	*Pipistrellus*	May	3	0	0	0	0
8B	*Pipistrellus*	Jun	3	0	0	0	0
8B	*Pipistrellus*	Jul	1	0	0	0	0
8B	*Pipistrellus*	Aug	1	0	0	0	0
8B	*Pipistrellus*	Sep	5	0	0	0	0
8B	*Pipistrellus nathusii*	Sep	0	0	0	1	0
8B	*Pipistrellus pipistrellus*	May	5	0	0	0	0
8B	*Pipistrellus pipistrellus*	Jun	5	0	0	0	0
8B	*Pipistrellus pipistrellus*	Jul	5	0	0	0	0
8B	*Pipistrellus pipistrellus*	Aug	4	1	0	0	0
8B	*Pipistrellus pipistrellus*	Sep	4	1	0	0	0
8B	*Pipistrellus pipistrellus*	Oct	5	0	0	0	0
8B	*Pipistrellus pygmaeus*	May	5	0	0	0	0
8B	*Pipistrellus pygmaeus*	Jun	2	3	0	0	0
8B	*Pipistrellus pygmaeus*	Jul	1	3	1	0	0
8B	*Pipistrellus pygmaeus*	Aug	1	4	0	0	0
8B	*Pipistrellus pygmaeus*	Oct	5	0	0	0	0
8C	*Barbastella barbastellus*	May	0	0	0	1	0
8C	*Barbastella barbastellus*	Jun	0	0	0	0	3
8C	*Barbastella barbastellus*	Sep	0	0	0	2	1
8C	*Eptesicus serotinus*	May	0	4	0	2	2
8C	*Eptesicus serotinus*	Jun	0	0	0	0	1

8C	*Eptesicus serotinus*	Jul	0	0	1	1	2
8C	*Eptesicus serotinus*	Aug	0	0	2	1	1
8C	*Eptesicus serotinus*	Sep	0	0	0	1	0
8C	*Eptesicus serotinus*	Oct	0	0	3	2	0
8C	*Myotis*	May	0	0	0	3	2
8C	*Myotis*	Aug	0	0	0	2	1
8C	*Myotis*	Sep	0	0	3	1	0
8C	*Myotis*	Oct	0	3	1	0	0
8C	*Nyctaloid*	May	1	1	0	0	0
8C	*Nyctaloid*	Jul	0	2	1	0	0
8C	*Nyctaloid*	Aug	0	4	1	0	0
8C	*Nyctaloid*	Sep	0	0	1	0	0
8C	*Nyctaloid*	Oct	0	1	2	0	0
8C	*Nyctalus leisleri*	May	0	0	0	0	3
8C	*Nyctalus leisleri*	Jun	0	0	3	0	0
8C	*Nyctalus leisleri*	Aug	0	0	0	1	1
8C	*Nyctalus noctula*	May	0	4	2	8	2
8C	*Nyctalus noctula*	Jun	0	1	3	0	0
8C	*Nyctalus noctula*	Jul	0	1	4	0	0
8C	*Nyctalus noctula*	Aug	0	2	3	0	0
8C	*Nyctalus noctula*	Sep	0	0	2	1	0
8C	*Nyctalus noctula*	Oct	0	0	1	2	1
8C	*Pipistrellus*	May	2	0	0	0	0
8C	*Pipistrellus*	Jul	3	0	0	0	0
8C	*Pipistrellus*	Aug	1	0	0	0	0
8C	*Pipistrellus nathusii*	May	0	0	0	2	2
8C	*Pipistrellus nathusii*	Jun	0	1	1	1	0

8C	*Pipistrellus nathusii*	Oct	0	0	0	0	1
8C	*Pipistrellus pipistrellus*	May	11	3	1	1	1
8C	*Pipistrellus pipistrellus*	Jun	3	1	0	0	0
8C	*Pipistrellus pipistrellus*	Jul	5	0	0	0	0
8C	*Pipistrellus pipistrellus*	Aug	5	0	0	0	0
8C	*Pipistrellus pipistrellus*	Sep	1	2	2	0	0
8C	*Pipistrellus pipistrellus*	Oct	4	1	0	0	0
8C	*Pipistrellus pygmaeus*	May	0	3	0	2	0
8C	*Pipistrellus pygmaeus*	Jun	0	0	3	1	0
8C	*Pipistrellus pygmaeus*	Jul	0	2	3	0	0
8C	*Pipistrellus pygmaeus*	Aug	0	5	0	0	0
8C	*Pipistrellus pygmaeus*	Sep	0	3	1	0	0
8C	*Pipistrellus pygmaeus*	Oct	3	2	0	0	0
9A	*Barbastella barbastellus*	May	0	0	0	1	2
9A	*Barbastella barbastellus*	Jul	0	0	0	0	1
9A	*Barbastella barbastellus*	Sep	0	0	0	0	1
9A	*Eptesicus serotinus*	Apr	0	2	0	0	1
9A	*Eptesicus serotinus*	May	1	0	0	2	1
9A	*Eptesicus serotinus*	Jun	0	0	0	0	1
9A	*Eptesicus serotinus*	Jul	0	1	0	1	1

9A	*Eptesicus serotinus*	Aug	0	0	0	1	0
9A	*Eptesicus serotinus*	Sep	0	0	0	0	1
9A	*Myotis*	Apr	0	0	1	2	0
9A	*Myotis*	May	1	3	2	0	0
9A	*Myotis*	Jun	0	1	3	0	1
9A	*Myotis*	Jul	0	0	1	1	3
9A	*Myotis*	Aug	0	0	0	1	3
9A	*Myotis*	Sep	0	0	2	2	0
9A	*Nyctaloid*	Apr	1	1	0	0	0
9A	*Nyctaloid*	May	1	1	3	1	0
9A	*Nyctaloid*	Jun	0	0	2	0	0
9A	*Nyctaloid*	Jul	0	2	0	0	0
9A	*Nyctaloid*	Sep	0	1	1	0	0
9A	*Nyctalus leisleri*	May	0	0	0	0	1
9A	*Nyctalus noctula*	Apr	1	2	1	0	1
9A	*Nyctalus noctula*	May	0	1	4	1	1
9A	*Nyctalus noctula*	Jun	0	0	2	3	0
9A	*Nyctalus noctula*	Jul	0	1	1	0	1
9A	*Nyctalus noctula*	Aug	0	0	1	1	2
9A	*Nyctalus noctula*	Sep	0	0	1	1	2
9A	*Nyctalus noctula*	Oct	0	0	0	2	1
9A	*Pipistrellus pipistrellus*	Apr	1	0	1	0	0
9A	*Pipistrellus pipistrellus*	May	0	1	1	1	1
9A	*Pipistrellus pipistrellus*	Jun	0	0	0	0	1
9A	*Pipistrellus pipistrellus*	Jul	0	0	0	0	2
9A	*Pipistrellus*	Aug	0	0	0	0	2

	pipistrellus						
9A	*Pipistrellus pygmaeus*	Apr	3	0	0	0	0
9A	*Pipistrellus pygmaeus*	May	2	3	1	0	0
9A	*Pipistrellus pygmaeus*	Jun	2	3	0	0	0
9A	*Pipistrellus pygmaeus*	Jul	5	0	0	0	0
9A	*Pipistrellus pygmaeus*	Aug	0	0	0	3	1
9A	*Pipistrellus pygmaeus*	Sep	1	2	1	0	1
9A	*Pipistrellus pygmaeus*	Oct	0	0	0	0	1
9B	*Barbastella barbastellus*	Jul	0	0	0	0	1
9B	*Eptesicus serotinus*	Apr	0	2	0	0	1
9B	*Eptesicus serotinus*	Jun	0	0	1	0	0
9B	*Eptesicus serotinus*	Jul	0	0	0	1	1
9B	*Eptesicus serotinus*	Aug	0	1	0	1	1
9B	*Eptesicus serotinus*	Sep	0	0	0	1	0
9B	*Eptesicus serotinus*	Oct	0	0	0	0	2
9B	*Myotis*	Apr	0	0	0	1	0
9B	*Myotis*	May	2	3	0	0	0
9B	*Myotis*	Jun	0	0	0	0	1
9B	*Myotis*	Jul	0	0	3	0	1
9B	*Myotis*	Aug	0	2	2	1	0
9B	*Myotis*	Sep	0	0	1	1	1
9B	*Nyctaloid*	Aug	0	1	0	0	0
9B	*Nyctaloid*	Sep	0	0	0	1	0
9B	*Nyctaloid*	Oct	0	0	1	0	0
9B	*Nyctalus leisleri*	Apr	0	0	0	0	1

9B	*Nyctalus leisleri*	Jun	0	0	1	0	0
9B	*Nyctalus leisleri*	Jul	0	0	0	0	1
9B	*Nyctalus leisleri*	Aug	0	0	0	1	0
9B	*Nyctalus noctula*	Apr	0	0	3	0	0
9B	*Nyctalus noctula*	May	0	0	1	1	1
9B	*Nyctalus noctula*	Jun	0	1	1	0	0
9B	*Nyctalus noctula*	Jul	0	1	1	1	2
9B	*Nyctalus noctula*	Aug	0	1	1	1	0
9B	*Nyctalus noctula*	Oct	0	0	1	1	2
9B	*Pipistrellus pipistrellus*	Apr	1	1	1	0	0
9B	*Pipistrellus pipistrellus*	May	0	3	0	1	0
9B	*Pipistrellus pipistrellus*	Jun	1	0	0	1	0
9B	*Pipistrellus pipistrellus*	Jul	0	0	0	0	2
9B	*Pipistrellus pipistrellus*	Aug	0	1	0	0	0
9B	*Pipistrellus pipistrellus*	Oct	2	0	0	0	0
9B	*Pipistrellus pygmaeus*	Apr	0	0	0	2	0
9B	*Pipistrellus pygmaeus*	May	0	1	0	2	0
9B	*Pipistrellus pygmaeus*	Sep	0	0	0	0	1
9B	*Pipistrellus pygmaeus*	Oct	2	0	0	0	1
9B	*Plecotus*	Jul	0	0	0	0	1
9B	*Rhinolophus hipposideros*	Jul	0	0	0	0	1
9C	*Barbastella barbastellus*	Aug	0	0	0	0	2

9C	*Eptesicus serotinus*	Apr	0	0	0	1	0
9C	*Eptesicus serotinus*	May	0	0	0	1	0
9C	*Eptesicus serotinus*	Jun	0	1	1	2	1
9C	*Eptesicus serotinus*	Jul	0	1	0	0	0
9C	*Eptesicus serotinus*	Aug	0	0	0	1	2
9C	*Myotis*	Apr	1	0	0	0	3
9C	*Myotis*	May	0	2	1	0	0
9C	*Myotis*	Jun	0	0	0	3	2
9C	*Myotis*	Jul	0	0	1	2	0
9C	*Myotis*	Aug	0	0	0	0	2
9C	*Myotis*	Sep	0	0	1	0	1
9C	*Nyctaloid*	Apr	0	0	1	0	0
9C	*Nyctaloid*	May	0	0	1	0	0
9C	*Nyctaloid*	Jun	0	3	1	0	0
9C	*Nyctaloid*	Jul	1	0	2	1	0
9C	*Nyctaloid*	Sep	0	0	0	2	1
9C	*Nyctaloid*	Oct	0	0	0	1	0
9C	*Nyctalus noctula*	Apr	0	0	0	0	3
9C	*Nyctalus noctula*	May	0	0	0	1	1
9C	*Nyctalus noctula*	Jun	0	0	2	2	1
9C	*Nyctalus noctula*	Jul	0	1	2	0	1
9C	*Nyctalus noctula*	Aug	0	0	0	2	2
9C	*Nyctalus noctula*	Sep	0	0	0	0	1
9C	*Nyctalus noctula*	Oct	0	0	2	1	2
9C	*Pipistrellus*	Apr	1	0	0	0	0
9C	*Pipistrellus*	May	1	0	0	0	0
9C	*Pipistrellus*	Jun	1	1	0	0	0

9C	*Pipistrellus*	Jul	2	0	0	0	0
9C	*Pipistrellus*	Aug	1	2	0	0	0
9C	*Pipistrellus*	Sep	1	1	0	0	0
9C	*Pipistrellus*	Oct	1	0	0	0	0
9C	*Pipistrellus pipistrellus*	Apr	2	0	0	0	1
9C	*Pipistrellus pipistrellus*	May	4	0	1	0	0
9C	*Pipistrellus pipistrellus*	Jun	3	2	0	0	0
9C	*Pipistrellus pipistrellus*	Jul	3	2	0	0	0
9C	*Pipistrellus pipistrellus*	Aug	2	3	0	0	0
9C	*Pipistrellus pipistrellus*	Sep	1	1	1	2	1
9C	*Pipistrellus pipistrellus*	Oct	2	0	1	0	0
9C	*Pipistrellus pygmaeus*	Apr	1	0	0	0	0
9C	*Pipistrellus pygmaeus*	Jul	0	1	0	0	1

Table 6. Summary table showing key metrics for each species recorded per month. Please note that we cannot split the reference range by month, hence this column is not shown in this table.

Detector ID	Species/Species Group	Month	Median Percentile	95% CIs	Max Percentile	Nights Recorded
10A	*Barbastella barbastellus*	May	0	34 - 64	34	4
10A	*Barbastella barbastellus*	Jun	0	34 - 64	34	3
10A	*Barbastella barbastellus*	Jul	26	34 - 64	51	2
10A	*Barbastella barbastellus*	Aug	63	34 - 64	72	4
10A	*Barbastella barbastellus*	Oct	22	34 - 64	22	1
10A	*Eptesicus serotinus*	May	22	41 - 62	60	5
10A	*Eptesicus serotinus*	Jun	47	41 - 62	79	5
10A	*Eptesicus serotinus*	Jul	22	41 - 62	60	3
10A	*Eptesicus serotinus*	Aug	65	41 - 62	79	6
10A	*Eptesicus serotinus*	Sep	0	41 - 62	0	2
10A	*Eptesicus serotinus*	Oct	64	41 - 62	64	1
10A	*Myotis*	May	90	56 - 88	98	5
10A	*Myotis*	Jun	0	56 - 88	22	4
10A	*Myotis*	Jul	34	56 - 88	94	5
10A	*Myotis*	Aug	85	56 - 88	90	6
10A	*Myotis*	Oct	84	56 - 88	84	1
10A	*Nyctaloid*	May	74	61.5 - 78	78	4

10A	*Nyctaloid*	Jun	73	61.5 - 78	73	1
10A	*Nyctaloid*	Jul	80	61.5 - 78	82	3
10A	*Nyctaloid*	Aug	79	61.5 - 78	88	6
10A	*Nyctaloid*	Sep	35	61.5 - 78	47	2
10A	*Nyctaloid*	Oct	69	61.5 - 78	69	1
10A	*Nyctalus leisleri*	May	28	22 - 57	34	2
10A	*Nyctalus leisleri*	Jun	29	22 - 57	57	2
10A	*Nyctalus leisleri*	Jul	0	22 - 57	0	1
10A	*Nyctalus noctula*	May	54	57 - 70.5	73	5
10A	*Nyctalus noctula*	Jun	65	57 - 70.5	82	5
10A	*Nyctalus noctula*	Jul	62	57 - 70.5	80	4
10A	*Nyctalus noctula*	Aug	70	57 - 70.5	80	6
10A	*Nyctalus noctula*	Sep	0	57 - 70.5	0	4
10A	*Nyctalus noctula*	Oct	34	57 - 70.5	34	1
10A	*Pipistrellus*	Aug	84	88.5 - 88.5	84	1
10A	*Pipistrellus*	Oct	93	88.5 - 88.5	93	1
10A	*Pipistrellus nathusii*	Jun	41	34 - 44	47	5
10A	*Pipistrellus nathusii*	Oct	0	34 - 44	0	1
10A	*Pipistrellus pipistrellus*	May	65	68.5 - 85	92	5
10A	*Pipistrellus pipistrellus*	Jun	98	68.5 - 85	99	5

10A	*Pipistrellus pipistrellus*	Jul	83	68.5 - 85	91	5
10A	*Pipistrellus pipistrellus*	Aug	75	68.5 - 85	87	6
10A	*Pipistrellus pipistrellus*	Sep	41	68.5 - 85	51	3
10A	*Pipistrellus pipistrellus*	Oct	76	68.5 - 85	76	1
10A	*Pipistrellus pygmaeus*	May	57	41 - 63	64	5
10A	*Pipistrellus pygmaeus*	Jun	28	41 - 63	41	4
10A	*Pipistrellus pygmaeus*	Jul	41	41 - 63	60	5
10A	*Pipistrellus pygmaeus*	Aug	72	41 - 63	76	6
10A	*Pipistrellus pygmaeus*	Sep	22	41 - 63	22	1
10A	*Pipistrellus pygmaeus*	Oct	91	41 - 63	91	1
10A	*Plecotus*	May	34	28 - 40.5	34	1
10A	*Plecotus*	Jun	0	28 - 40.5	0	1
10A	*Plecotus*	Jul	0	28 - 40.5	0	2
10A	*Plecotus*	Aug	0	28 - 40.5	47	5
10A	*Plecotus*	Oct	22	28 - 40.5	22	1
10A	*Rhinolophus ferrumequinum*	May	0	0 - 0	22	3
10A	*Rhinolophus ferrumequinum*	Aug	11	0 - 0	22	2
10A	*Rhinolophus hipposideros*	May	17	28 - 57	34	2
10A	*Rhinolophus hipposideros*	Jun	11	28 - 57	34	4
10A	*Rhinolophus hipposideros*	Jul	0	28 - 57	0	2

10A	*Rhinolophus hipposideros*	Aug	44	28 - 57	64	4
10A	*Rhinolophus hipposideros*	Sep	0	28 - 57	0	1
10A	*Rhinolophus hipposideros*	Oct	67	28 - 57	67	1
10B	*Barbastella barbastellus*	May	0	0 - 0	0	2
10B	*Barbastella barbastellus*	Jul	0	0 - 0	0	1
10B	*Barbastella barbastellus*	Aug	0	0 - 0	34	3
10B	*Barbastella barbastellus*	Sep	0	0 - 0	0	1
10B	*Eptesicus serotinus*	May	73	37.5 - 68.5	80	5
10B	*Eptesicus serotinus*	Jun	17	37.5 - 68.5	34	2
10B	*Eptesicus serotinus*	Jul	49	37.5 - 68.5	64	2
10B	*Eptesicus serotinus*	Aug	34	37.5 - 68.5	41	5
10B	*Eptesicus serotinus*	Sep	0	37.5 - 68.5	0	1
10B	*Eptesicus serotinus*	Oct	51	37.5 - 68.5	51	1
10B	*Myotis*	May	62	31.5 - 61.5	72	4
10B	*Myotis*	Jul	32	31.5 - 61.5	69	4
10B	*Myotis*	Aug	0	31.5 - 61.5	62	3
10B	*Myotis*	Sep	11	31.5 - 61.5	22	2
10B	*Myotis*	Oct	43	31.5 - 61.5	72	4
10B	*Nyctaloid*	May	77	44 - 77	82	4
10B	*Nyctaloid*	Jul	57	44 - 77	79	2

10B	*Nyctaloid*	Sep	41	44 - 77	41	1
10B	*Nyctaloid*	Oct	47	44 - 77	64	3
10B	*Nyctalus leisleri*	May	0	22 - 22	0	1
10B	*Nyctalus leisleri*	Jun	11	22 - 22	22	2
10B	*Nyctalus leisleri*	Jul	11	22 - 22	22	2
10B	*Nyctalus leisleri*	Aug	0	22 - 22	34	3
10B	*Nyctalus noctula*	May	34	28 - 44.5	57	5
10B	*Nyctalus noctula*	Jun	34	28 - 44.5	54	3
10B	*Nyctalus noctula*	Jul	37	28 - 44.5	67	4
10B	*Nyctalus noctula*	Aug	34	28 - 44.5	54	5
10B	*Nyctalus noctula*	Sep	22	28 - 44.5	34	3
10B	*Nyctalus noctula*	Oct	0	28 - 44.5	34	4
10B	*Pipistrellus*	May	76	69 - 85.5	76	5
10B	*Pipistrellus*	Jun	92	69 - 85.5	95	3
10B	*Pipistrellus*	Jul	72	69 - 85.5	82	2
10B	*Pipistrellus*	Sep	47	69 - 85.5	47	1
10B	*Pipistrellus*	Oct	82	69 - 85.5	94	2
10B	*Pipistrellus nathusii*	Jul	0	0 - 0	0	1
10B	*Pipistrellus nathusii*	Aug	0	0 - 0	0	1
10B	*Pipistrellus pipistrellus*	May	73	54.5 - 77	75	5
10B	*Pipistrellus pipistrellus*	Jun	91	54.5 - 77	94	3

10B	*Pipistrellus pipistrellus*	Jul	57	54.5 - 77	76	4
10B	*Pipistrellus pipistrellus*	Aug	34	54.5 - 77	62	5
10B	*Pipistrellus pipistrellus*	Sep	22	54.5 - 77	34	3
10B	*Pipistrellus pipistrellus*	Oct	86	54.5 - 77	96	4
10B	*Pipistrellus pygmaeus*	May	0	39.5 - 57.5	34	5
10B	*Pipistrellus pygmaeus*	Jun	57	39.5 - 57.5	64	3
10B	*Pipistrellus pygmaeus*	Jul	22	39.5 - 57.5	51	5
10B	*Pipistrellus pygmaeus*	Aug	41	39.5 - 57.5	54	5
10B	*Pipistrellus pygmaeus*	Sep	0	39.5 - 57.5	41	5
10B	*Pipistrellus pygmaeus*	Oct	68	39.5 - 57.5	83	4
10B	*Plecotus*	May	22	22 - 22	22	3
10B	*Rhinolophus ferrumequinum*	May	0	0	0	1
10B	*Rhinolophus hipposideros*	May	17	22 - 60	60	4
10B	*Rhinolophus hipposideros*	Jun	0	22 - 60	0	1
10B	*Rhinolophus hipposideros*	Sep	11	22 - 60	22	2
10B	*Rhinolophus hipposideros*	Oct	0	22 - 60	0	1
10C	*Barbastella barbastellus*	Aug	0	0 - 0	0	2
10C	*Barbastella barbastellus*	Sep	0	0 - 0	0	1
10C	*Eptesicus serotinus*	May	41	34 - 51.5	54	5
10C	*Eptesicus serotinus*	Jul	26	34 - 51.5	51	2

10C	*Eptesicus serotinus*	Aug	54	34 - 51.5	68	5
10C	*Eptesicus serotinus*	Sep	11	34 - 51.5	34	4
10C	*Eptesicus serotinus*	Oct	34	34 - 51.5	51	3
10C	*Myotis*	May	54	41 - 56.5	57	5
10C	*Myotis*	Jul	34	41 - 56.5	47	3
10C	*Myotis*	Aug	0	41 - 56.5	0	4
10C	*Myotis*	Sep	57	41 - 56.5	64	5
10C	*Myotis*	Oct	46	41 - 56.5	62	4
10C	*Nyctaloid*	May	76	54.5 - 72	80	2
10C	*Nyctaloid*	Jul	69	54.5 - 72	69	1
10C	*Nyctaloid*	Aug	68	54.5 - 72	77	5
10C	*Nyctaloid*	Sep	65	54.5 - 72	73	5
10C	*Nyctaloid*	Oct	49	54.5 - 72	57	2
10C	*Nyctalus leisleri*	Sep	0	0	0	1
10C	*Nyctalus noctula*	May	77	42 - 62.5	78	5
10C	*Nyctalus noctula*	Jul	51	42 - 62.5	54	3
10C	*Nyctalus noctula*	Aug	47	42 - 62.5	57	5
10C	*Nyctalus noctula*	Sep	47	42 - 62.5	65	5
10C	*Nyctalus noctula*	Oct	22	42 - 62.5	22	4
10C	*Pipistrellus*	May	90	51.5 - 89.5	90	4
10C	*Pipistrellus*	Aug	41	51.5 -	81	3

				89.5		
10C	*Pipistrellus*	Sep	81	51.5 - 89.5	81	1
10C	*Pipistrellus nathusii*	May	22	0	22	1
10C	*Pipistrellus pipistrellus*	May	88	65.5 - 80.5	89	5
10C	*Pipistrellus pipistrellus*	Jul	81	65.5 - 80.5	94	3
10C	*Pipistrellus pipistrellus*	Aug	51	65.5 - 80.5	80	5
10C	*Pipistrellus pipistrellus*	Sep	69	65.5 - 80.5	78	5
10C	*Pipistrellus pipistrellus*	Oct	67	65.5 - 80.5	75	4
10C	*Pipistrellus pygmaeus*	May	41	36.5 - 63	54	5
10C	*Pipistrellus pygmaeus*	Jul	34	36.5 - 63	34	1
10C	*Pipistrellus pygmaeus*	Aug	0	36.5 - 63	0	1
10C	*Pipistrellus pygmaeus*	Sep	65	36.5 - 63	75	5
10C	*Pipistrellus pygmaeus*	Oct	0	36.5 - 63	22	3
10C	*Plecotus*	May	0	22 - 47	22	3
10C	*Plecotus*	Aug	22	22 - 47	47	5
10C	*Rhinolophus ferrumequinum*	Sep	22	0	22	1
10C	*Rhinolophus hipposideros*	May	0	28 - 28	0	1
10C	*Rhinolophus hipposideros*	Jul	0	28 - 28	0	1
10C	*Rhinolophus hipposideros*	Aug	22	28 - 28	22	1
10C	*Rhinolophus hipposideros*	Sep	0	28 - 28	34	4
11A	*Barbastella barbastellus*	May	0	34 - 51	0	3

11A	*Barbastella barbastellus*	Jun	22	34 - 51	34	3
11A	*Barbastella barbastellus*	Jul	0	34 - 51	0	1
11A	*Barbastella barbastellus*	Sep	51	34 - 51	57	5
11A	*Barbastella barbastellus*	Oct	46	34 - 51	51	4
11A	*Eptesicus serotinus*	May	22	34 - 51.5	34	5
11A	*Eptesicus serotinus*	Jun	51	34 - 51.5	79	5
11A	*Eptesicus serotinus*	Jul	22	34 - 51.5	34	3
11A	*Eptesicus serotinus*	Aug	0	34 - 51.5	0	1
11A	*Eptesicus serotinus*	Sep	34	34 - 51.5	34	5
11A	*Eptesicus serotinus*	Oct	66	34 - 51.5	71	4
11A	*Myotis*	May	47	46 - 62.5	65	5
11A	*Myotis*	Jun	47	46 - 62.5	51	4
11A	*Myotis*	Jul	41	46 - 62.5	41	3
11A	*Myotis*	Aug	41	46 - 62.5	41	3
11A	*Myotis*	Sep	62	46 - 62.5	75	5
11A	*Myotis*	Oct	86	46 - 62.5	98	4
11A	*Nyctaloid*	May	47	55.5 - 72.5	57	3
11A	*Nyctaloid*	Jun	78	55.5 - 72.5	81	3
11A	*Nyctaloid*	Jul	67	55.5 - 72.5	67	1
11A	*Nyctaloid*	Sep	64	55.5 - 72.5	64	1

11A	*Nyctaloid*	Oct	71	55.5 - 72.5	73	3
11A	*Nyctalus leisleri*	Aug	0	0	0	1
11A	*Nyctalus noctula*	May	11	41 - 61.5	41	4
11A	*Nyctalus noctula*	Jun	68	41 - 61.5	82	5
11A	*Nyctalus noctula*	Jul	27	41 - 61.5	54	2
11A	*Nyctalus noctula*	Sep	41	41 - 61.5	54	5
11A	*Nyctalus noctula*	Oct	0	41 - 61.5	0	1
11A	*Pipistrellus*	May	91	85.5 - 97	98	3
11A	*Pipistrellus*	Jun	96	85.5 - 97	99	3
11A	*Pipistrellus*	Jul	88	85.5 - 97	88	2
11A	*Pipistrellus*	Sep	81	85.5 - 97	84	2
11A	*Pipistrellus*	Oct	100	85.5 - 97	100	1
11A	*Pipistrellus nathusii*	May	0	41 - 41	0	3
11A	*Pipistrellus nathusii*	Jun	41	41 - 41	41	3
11A	*Pipistrellus nathusii*	Aug	0	41 - 41	0	1
11A	*Pipistrellus pipistrellus*	May	86	80 - 91.5	98	5
11A	*Pipistrellus pipistrellus*	Jun	98	80 - 91.5	99	5
11A	*Pipistrellus pipistrellus*	Jul	87	80 - 91.5	90	4
11A	*Pipistrellus pipistrellus*	Aug	79	80 - 91.5	93	6
11A	*Pipistrellus pipistrellus*	Sep	76	80 - 91.5	84	5
11A	*Pipistrellus*	Oct	97	80 -	100	4

	pipistrellus			91.5		
11A	*Pipistrellus pygmaeus*	Jun	34	17 - 17	34	1
11A	*Pipistrellus pygmaeus*	Jul	0	17 - 17	0	1
11B	*Barbastella barbastellus*	May	22	22 - 34	22	1
11B	*Barbastella barbastellus*	Aug	22	22 - 34	41	3
11B	*Barbastella barbastellus*	Oct	17	22 - 34	34	2
11B	*Eptesicus serotinus*	May	75	51 - 70.5	90	5
11B	*Eptesicus serotinus*	Jul	22	51 - 70.5	62	5
11B	*Eptesicus serotinus*	Aug	57	51 - 70.5	71	5
11B	*Eptesicus serotinus*	Sep	34	51 - 70.5	34	1
11B	*Eptesicus serotinus*	Oct	46	51 - 70.5	65	4
11B	*Myotis*	May	94	66.5 - 83.5	95	5
11B	*Myotis*	Jul	52	66.5 - 83.5	82	4
11B	*Myotis*	Aug	74	66.5 - 83.5	79	4
11B	*Myotis*	Oct	73	66.5 - 83.5	79	5
11B	*Nyctaloid*	May	82	57.5 - 80.5	91	5
11B	*Nyctaloid*	Jul	53	57.5 - 80.5	83	4
11B	*Nyctaloid*	Aug	74	57.5 - 80.5	77	3
11B	*Nyctaloid*	Oct	54	57.5 - 80.5	70	3
11B	*Nyctalus leisleri*	May	22	0 - 0	22	1
11B	*Nyctalus leisleri*	Aug	0	0 - 0	0	2
11B	*Nyctalus noctula*	May	46	31.5 -	62	4

				57.5		
11B	*Nyctalus noctula*	Jul	58	31.5 - 57.5	74	2
11B	*Nyctalus noctula*	Aug	37	31.5 - 57.5	64	4
11B	*Nyctalus noctula*	Oct	11	31.5 - 57.5	41	4
11B	*Pipistrellus*	May	99	98.5 - 98.5	99	2
11B	*Pipistrellus nathusii*	Jun	0	0	0	1
11B	*Pipistrellus pipistrellus*	May	95	78 - 94.5	98	5
11B	*Pipistrellus pipistrellus*	Jun	47	78 - 94.5	47	1
11B	*Pipistrellus pipistrellus*	Jul	76	78 - 94.5	97	5
11B	*Pipistrellus pipistrellus*	Aug	99	78 - 94.5	99	5
11B	*Pipistrellus pipistrellus*	Sep	88	78 - 94.5	88	1
11B	*Pipistrellus pipistrellus*	Oct	82	78 - 94.5	99	5
11B	*Pipistrellus pygmaeus*	May	89	62 - 90	91	5
11B	*Pipistrellus pygmaeus*	Jul	69	62 - 90	93	4
11B	*Pipistrellus pygmaeus*	Aug	89	62 - 90	98	5
11B	*Pipistrellus pygmaeus*	Sep	57	62 - 90	57	1
11C	*Barbastella barbastellus*	Jul	0	0 - 0	0	1
11C	*Barbastella barbastellus*	Oct	0	0 - 0	47	3
11C	*Eptesicus serotinus*	May	34	44 - 65.5	64	5
11C	*Eptesicus serotinus*	Jun	74	44 - 65.5	80	5
11C	*Eptesicus serotinus*	Jul	0	44 - 65.5	34	4

11C	*Eptesicus serotinus*	Aug	57	44 - 65.5	65	5
11C	*Eptesicus serotinus*	Sep	34	44 - 65.5	34	1
11C	*Eptesicus serotinus*	Oct	0	44 - 65.5	0	1
11C	*Myotis*	May	22	22 - 37.5	34	3
11C	*Myotis*	Jun	34	22 - 37.5	41	3
11C	*Myotis*	Aug	0	22 - 37.5	22	3
11C	*Myotis*	Oct	0	22 - 37.5	0	4
11C	*Nyctaloid*	May	62	57 - 81.5	67	2
11C	*Nyctaloid*	Jun	82	57 - 81.5	88	4
11C	*Nyctaloid*	Aug	70	57 - 81.5	73	2
11C	*Nyctaloid*	Oct	41	57 - 81.5	41	1
11C	*Nyctalus leisleri*	Jul	21	20.5 - 20.5	41	2
11C	*Nyctalus noctula*	May	41	37.5 - 60	47	5
11C	*Nyctalus noctula*	Jun	57	37.5 - 60	84	5
11C	*Nyctalus noctula*	Jul	17	37.5 - 60	71	4
11C	*Nyctalus noctula*	Aug	41	37.5 - 60	41	2
11C	*Nyctalus noctula*	Oct	0	37.5 - 60	0	2
11C	*Pipistrellus*	May	85	85 - 85	92	3
11C	*Pipistrellus nathusii*	May	0	34 - 34	0	1
11C	*Pipistrellus nathusii*	Jun	34	34 - 34	34	5

11C	*Pipistrellus nathusii*	Jul	0	34 - 34	0	2
11C	*Pipistrellus pipistrellus*	May	89	77 - 91	92	5
11C	*Pipistrellus pipistrellus*	Jun	87	77 - 91	96	5
11C	*Pipistrellus pipistrellus*	Jul	93	77 - 91	97	5
11C	*Pipistrellus pipistrellus*	Aug	97	77 - 91	99	5
11C	*Pipistrellus pipistrellus*	Sep	88	77 - 91	88	1
11C	*Pipistrellus pipistrellus*	Oct	35	77 - 91	57	6
11C	*Pipistrellus pygmaeus*	May	52	34.5 - 57	79	4
11C	*Pipistrellus pygmaeus*	Jun	47	34.5 - 57	47	3
11C	*Pipistrellus pygmaeus*	Jul	22	34.5 - 57	22	1
11C	*Pipistrellus pygmaeus*	Aug	22	34.5 - 57	51	3
11C	*Pipistrellus pygmaeus*	Sep	57	34.5 - 57	57	1
11C	*Plecotus*	Jun	22	22 - 22	22	2
11C	*Plecotus*	Aug	11	22 - 22	22	2
12A	*Barbastella barbastellus*	May	0	0 - 0	0	1
12A	*Barbastella barbastellus*	Sep	0	0 - 0	0	1
12A	*Eptesicus serotinus*	May	34	28 - 47	78	7
12A	*Eptesicus serotinus*	Jun	22	28 - 47	47	5
12A	*Eptesicus serotinus*	Jul	22	28 - 47	64	7
12A	*Eptesicus serotinus*	Aug	0	28 - 47	0	2

12A	*Eptesicus serotinus*	Sep	34	28 - 47	60	5
12A	*Eptesicus serotinus*	Oct	0	28 - 47	34	3
12A	*Myotis*	May	22	49 - 65.5	62	5
12A	*Myotis*	Jun	34	49 - 65.5	67	5
12A	*Myotis*	Jul	64	49 - 65.5	71	7
12A	*Myotis*	Aug	57	49 - 65.5	77	3
12A	*Myotis*	Sep	70	49 - 65.5	87	6
12A	*Myotis*	Oct	61	49 - 65.5	74	6
12A	*Nyctaloid*	Jun	72	49 - 68	78	2
12A	*Nyctaloid*	Jul	68	49 - 68	83	3
12A	*Nyctaloid*	Sep	66	49 - 68	67	2
12A	*Nyctaloid*	Oct	51	49 - 68	64	5
12A	*Nyctalus leisleri*	May	22	28 - 28	34	3
12A	*Nyctalus noctula*	May	72	43.5 - 61	88	9
12A	*Nyctalus noctula*	Jun	47	43.5 - 61	71	6
12A	*Nyctalus noctula*	Jul	54	43.5 - 61	69	7
12A	*Nyctalus noctula*	Aug	11	43.5 - 61	22	2
12A	*Nyctalus noctula*	Sep	17	43.5 - 61	41	4
12A	*Nyctalus noctula*	Oct	35	43.5 - 61	47	4
12A	*Pipistrellus*	May	90	81.5 - 92	99	9

12A	*Pipistrellus*	Jul	97	81.5 - 92	98	5
12A	*Pipistrellus*	Sep	78	81.5 - 92	92	3
12A	*Pipistrellus*	Oct	73	81.5 - 92	88	5
12A	*Pipistrellus pipistrellus*	May	73	70.5 - 80	91	9
12A	*Pipistrellus pipistrellus*	Jun	76	70.5 - 80	81	6
12A	*Pipistrellus pipistrellus*	Jul	86	70.5 - 80	91	7
12A	*Pipistrellus pipistrellus*	Aug	97	70.5 - 80	98	5
12A	*Pipistrellus pipistrellus*	Sep	68	70.5 - 80	78	7
12A	*Pipistrellus pipistrellus*	Oct	61	70.5 - 80	82	6
12A	*Pipistrellus pygmaeus*	Sep	89	80 - 91	91	3
12B	*Barbastella barbastellus*	May	0	0 - 0	0	1
12B	*Barbastella barbastellus*	Aug	0	0 - 0	0	1
12B	*Barbastella barbastellus*	Sep	0	0 - 0	0	1
12B	*Eptesicus serotinus*	May	22	36.5 - 64	67	6
12B	*Eptesicus serotinus*	Jun	67	36.5 - 64	79	6
12B	*Eptesicus serotinus*	Jul	0	36.5 - 64	0	3
12B	*Eptesicus serotinus*	Aug	57	36.5 - 64	57	1
12B	*Eptesicus serotinus*	Sep	22	36.5 - 64	60	3
12B	*Eptesicus serotinus*	Oct	49	36.5 - 64	76	2
12B	*Myotis*	May	76	51 - 67	85	9

12B	*Myotis*	Jun	41	51 - 67	57	5
12B	*Myotis*	Jul	62	51 - 67	74	7
12B	*Myotis*	Aug	68	51 - 67	85	2
12B	*Myotis*	Sep	41	51 - 67	76	5
12B	*Myotis*	Oct	47	51 - 67	68	5
12B	*Nyctaloid*	Sep	41	41 - 79	67	3
12B	*Nyctaloid*	Oct	79	41 - 79	85	3
12B	*Nyctalus*	Jun	60	40.5 - 67	75	5
12B	*Nyctalus*	Jul	17	40.5 - 67	51	6
12B	*Nyctalus leisleri*	May	34	28 - 66.5	79	8
12B	*Nyctalus noctula*	May	64	43.5 - 60.5	76	9
12B	*Nyctalus noctula*	Jun	47	43.5 - 60.5	65	5
12B	*Nyctalus noctula*	Jul	11	43.5 - 60.5	22	4
12B	*Nyctalus noctula*	Aug	24	43.5 - 60.5	47	2
12B	*Nyctalus noctula*	Sep	11	43.5 - 60.5	47	4
12B	*Nyctalus noctula*	Oct	35	43.5 - 60.5	83	4
12B	*Pipistrellus*	May	95	90.5 - 96	98	8
12B	*Pipistrellus*	Jul	86	90.5 - 96	86	1
12B	*Pipistrellus*	Aug	93	90.5 - 96	98	2
12B	*Pipistrellus nathusii*	May	0	0	0	1
12B	*Pipistrellus*	May	87	71 -	93	9

	pipistrellus			81		
12B	*Pipistrellus pipistrellus*	Jun	75	71 - 81	92	6
12B	*Pipistrellus pipistrellus*	Jul	76	71 - 81	87	7
12B	*Pipistrellus pipistrellus*	Aug	79	71 - 81	97	2
12B	*Pipistrellus pipistrellus*	Sep	62	71 - 81	69	5
12B	*Pipistrellus pipistrellus*	Oct	71	71 - 81	94	4
12B	*Pipistrellus pygmaeus*	Sep	80	54 - 85	85	3
12C	*Barbastella barbastellus*	May	22	22 - 34.5	22	2
12C	*Barbastella barbastellus*	Jul	0	22 - 34.5	0	1
12C	*Barbastella barbastellus*	Aug	22	22 - 34.5	22	1
12C	*Barbastella barbastellus*	Sep	0	22 - 34.5	0	1
12C	*Barbastella barbastellus*	Oct	17	22 - 34.5	47	6
12C	*Eptesicus serotinus*	May	47	22 - 44	51	3
12C	*Eptesicus serotinus*	Jun	34	22 - 44	41	3
12C	*Eptesicus serotinus*	Jul	0	22 - 44	0	2
12C	*Eptesicus serotinus*	Aug	0	22 - 44	22	3
12C	*Eptesicus serotinus*	Sep	0	22 - 44	0	1
12C	*Eptesicus serotinus*	Oct	0	22 - 44	22	4
12C	*Myotis*	May	0	22 - 46	0	1
12C	*Myotis*	Jun	0	22 - 46	34	5
12C	*Myotis*	Jul	22	22 -	41	6

				46		
12C	*Myotis*	Aug	0	22 - 46	0	1
12C	*Myotis*	Sep	0	22 - 46	0	2
12C	*Myotis*	Oct	34	22 - 46	80	7
12C	*Nyctaloid*	Jun	55	37.5 - 68.5	69	4
12C	*Nyctaloid*	Oct	41	37.5 - 68.5	57	5
12C	*Nyctalus leisleri*	Jul	0	22 - 22	34	5
12C	*Nyctalus leisleri*	Aug	0	22 - 22	22	4
12C	*Nyctalus leisleri*	Sep	0	22 - 22	0	1
12C	*Nyctalus noctula*	May	48	44 - 54.5	83	4
12C	*Nyctalus noctula*	Jun	41	44 - 54.5	57	5
12C	*Nyctalus noctula*	Jul	47	44 - 54.5	68	10
12C	*Nyctalus noctula*	Aug	51	44 - 54.5	62	6
12C	*Nyctalus noctula*	Sep	47	44 - 54.5	64	5
12C	*Nyctalus noctula*	Oct	11	44 - 54.5	22	2
12C	*Pipistrellus*	May	95	79.5 - 96	98	4
12C	*Pipistrellus*	Oct	80	79.5 - 96	89	3
12C	*Pipistrellus nathusii*	Aug	0	47 - 78	0	2
12C	*Pipistrellus nathusii*	Sep	54	47 - 78	78	3
12C	*Pipistrellus pipistrellus*	May	88	74.5 - 85.5	94	4
12C	*Pipistrellus*	Jun	86	74.5 -	89	7

	pipistrellus			85.5		
12C	*Pipistrellus pipistrellus*	Jul	92	74.5 - 85.5	99	10
12C	*Pipistrellus pipistrellus*	Aug	81	74.5 - 85.5	85	6
12C	*Pipistrellus pipistrellus*	Sep	79	74.5 - 85.5	85	5
12C	*Pipistrellus pipistrellus*	Oct	62	74.5 - 85.5	90	7
12C	*Pipistrellus pygmaeus*	Sep	63	62.5 - 62.5	71	2
12C	*Plecotus*	May	0	0	0	1
13A	*Barbastella barbastellus*	May	0	0 - 0	0	1
13A	*Barbastella barbastellus*	Sep	0	0 - 0	0	2
13A	*Barbastella barbastellus*	Oct	0	0 - 0	0	1
13A	*Eptesicus serotinus*	May	11	31.5 - 51	41	6
13A	*Eptesicus serotinus*	Jun	51	31.5 - 51	51	1
13A	*Eptesicus serotinus*	Jul	29	31.5 - 51	57	2
13A	*Eptesicus serotinus*	Aug	0	31.5 - 51	0	1
13A	*Myotis*	May	0	34 - 79	0	1
13A	*Myotis*	Jul	54	34 - 79	79	5
13A	*Myotis*	Sep	0	34 - 79	0	1
13A	*Myotis*	Oct	0	34 - 79	0	1
13A	*Nyctalus*	Oct	41	28 - 51	65	6
13A	*Nyctalus leisleri*	May	22	36.5 - 55.5	51	6
13A	*Nyctalus leisleri*	Jun	11	36.5 - 55.5	22	2

13A	*Nyctalus leisleri*	Jul	47	36.5 - 55.5	65	5
13A	*Nyctalus leisleri*	Aug	0	36.5 - 55.5	0	2
13A	*Nyctalus leisleri*	Sep	54	36.5 - 55.5	60	5
13A	*Nyctalus noctula*	May	68	51 - 67	74	7
13A	*Nyctalus noctula*	Jun	66	51 - 67	80	6
13A	*Nyctalus noctula*	Jul	78	51 - 67	83	5
13A	*Nyctalus noctula*	Aug	0	51 - 67	54	3
13A	*Nyctalus noctula*	Sep	51	51 - 67	75	5
13A	*Nyctalus noctula*	Oct	22	51 - 67	51	7
13A	*Pipistrellus*	May	85	80 - 88.5	85	1
13A	*Pipistrellus*	Jun	89	80 - 88.5	89	1
13A	*Pipistrellus*	Jul	81	80 - 88.5	87	2
13A	*Pipistrellus*	Sep	86	80 - 88.5	92	5
13A	*Pipistrellus*	Oct	76	80 - 88.5	76	1
13A	*Pipistrellus nathusii*	May	0	28 - 28	0	1
13A	*Pipistrellus nathusii*	Jun	0	28 - 28	34	3
13A	*Pipistrellus nathusii*	Sep	0	28 - 28	22	4
13A	*Pipistrellus pipistrellus*	May	81	60 - 76	89	7
13A	*Pipistrellus pipistrellus*	Jun	66	60 - 76	87	6
13A	*Pipistrellus pipistrellus*	Jul	85	60 - 76	90	5

13A	*Pipistrellus pipistrellus*	Aug	34	60 - 76	54	5
13A	*Pipistrellus pipistrellus*	Sep	85	60 - 76	90	5
13A	*Pipistrellus pipistrellus*	Oct	60	60 - 76	72	6
13A	*Pipistrellus pygmaeus*	Aug	11	11 - 11	22	2
13B	*Barbastella barbastellus*	Jul	47	28 - 47	47	1
13B	*Barbastella barbastellus*	Aug	17	28 - 47	34	4
13B	*Barbastella barbastellus*	Sep	22	28 - 47	47	3
13B	*Barbastella barbastellus*	Oct	0	28 - 47	0	1
13B	*Eptesicus serotinus*	May	0	37.5 - 60	0	2
13B	*Eptesicus serotinus*	Jun	34	37.5 - 60	34	1
13B	*Eptesicus serotinus*	Jul	0	37.5 - 60	34	3
13B	*Eptesicus serotinus*	Aug	57	37.5 - 60	64	5
13B	*Eptesicus serotinus*	Sep	41	37.5 - 60	41	1
13B	*Eptesicus serotinus*	Oct	0	37.5 - 60	0	1
13B	*Myotis*	Jul	38	31.5 - 56.5	41	4
13B	*Myotis*	Aug	41	31.5 - 56.5	72	4
13B	*Myotis*	Sep	22	31.5 - 56.5	34	3
13B	*Myotis*	Oct	0	31.5 - 56.5	0	1
13B	*Nyctalus leisleri*	May	0	34.5 - 59	0	1
13B	*Nyctalus leisleri*	Jun	22	34.5 - 59	41	3

13B	*Nyctalus leisleri*	Jul	0	34.5 - 59	47	4
13B	*Nyctalus leisleri*	Aug	64	34.5 - 59	70	5
13B	*Nyctalus leisleri*	Sep	51	34.5 - 59	67	2
13B	*Nyctalus leisleri*	Oct	22	34.5 - 59	22	3
13B	*Nyctalus noctula*	May	34	49 - 67.5	47	5
13B	*Nyctalus noctula*	Jun	51	49 - 67.5	65	4
13B	*Nyctalus noctula*	Jul	60	49 - 67.5	77	5
13B	*Nyctalus noctula*	Aug	83	49 - 67.5	88	5
13B	*Nyctalus noctula*	Sep	57	49 - 67.5	88	5
13B	*Nyctalus noctula*	Oct	0	49 - 67.5	47	3
13B	*Pipistrellus*	Jul	95	77.5 - 94.5	96	2
13B	*Pipistrellus*	Aug	91	77.5 - 94.5	92	4
13B	*Pipistrellus*	Sep	88	77.5 - 94.5	99	3
13B	*Pipistrellus*	Oct	62	77.5 - 94.5	62	1
13B	*Pipistrellus nathusii*	May	21	22 - 48.5	41	2
13B	*Pipistrellus nathusii*	Aug	22	22 - 48.5	22	1
13B	*Pipistrellus nathusii*	Sep	22	22 - 48.5	75	3
13B	*Pipistrellus pipistrellus*	May	99	74 - 92	100	5
13B	*Pipistrellus pipistrellus*	Jun	24	74 - 92	62	4
13B	*Pipistrellus pipistrellus*	Jul	92	74 - 92	96	5

13B	*Pipistrellus pipistrellus*	Aug	88	74 - 92	90	5
13B	*Pipistrellus pipistrellus*	Sep	90	74 - 92	99	5
13B	*Pipistrellus pipistrellus*	Oct	51	74 - 92	51	3
13C	*Barbastella barbastellus*	May	0	22 - 57	0	2
13C	*Barbastella barbastellus*	Jul	22	22 - 57	22	1
13C	*Barbastella barbastellus*	Sep	26	22 - 57	57	4
13C	*Eptesicus serotinus*	May	22	22 - 55.5	22	3
13C	*Eptesicus serotinus*	Jun	22	22 - 55.5	22	1
13C	*Eptesicus serotinus*	Jul	17	22 - 55.5	47	4
13C	*Eptesicus serotinus*	Aug	41	22 - 55.5	72	5
13C	*Eptesicus serotinus*	Sep	0	22 - 55.5	0	1
13C	*Myotis*	Jul	34	28 - 44	47	3
13C	*Myotis*	Aug	38	28 - 44	47	4
13C	*Myotis*	Sep	22	28 - 44	22	1
13C	*Myotis*	Oct	0	28 - 44	0	1
13C	*Nyctaloid*	Aug	91	0	91	1
13C	*Nyctalus*	Aug	83	31.5 - 86	88	5
13C	*Nyctalus*	Oct	32	31.5 - 86	41	2
13C	*Nyctalus leisleri*	May	34	40.5 - 55.5	41	3
13C	*Nyctalus leisleri*	Jun	32	40.5 - 55.5	41	2
13C	*Nyctalus leisleri*	Jul	0	40.5 -	62	7

13C	*Nyctalus leisleri*	Sep	57	55.5 40.5 - 55.5	60	5
13C	*Nyctalus noctula*	May	57	57.5 - 72	80	5
13C	*Nyctalus noctula*	Jun	51	57.5 - 72	64	4
13C	*Nyctalus noctula*	Jul	62	57.5 - 72	85	9
13C	*Nyctalus noctula*	Aug	81	57.5 - 72	82	5
13C	*Nyctalus noctula*	Sep	76	57.5 - 72	82	5
13C	*Nyctalus noctula*	Oct	0	57.5 - 72	0	3
13C	*Pipistrellus*	May	72	64.5 - 93	72	1
13C	*Pipistrellus*	Aug	93	64.5 - 93	94	4
13C	*Pipistrellus*	Sep	90	64.5 - 93	95	5
13C	*Pipistrellus*	Oct	34	64.5 - 93	34	1
13C	*Pipistrellus nathusii*	Sep	22	22 - 34.5	47	5
13C	*Pipistrellus pipistrellus*	May	56	60.5 - 79	65	4
13C	*Pipistrellus pipistrellus*	Jun	24	60.5 - 79	62	4
13C	*Pipistrellus pipistrellus*	Jul	69	60.5 - 79	82	8
13C	*Pipistrellus pipistrellus*	Aug	91	60.5 - 79	93	5
13C	*Pipistrellus pipistrellus*	Sep	88	60.5 - 79	93	5
13C	*Pipistrellus pipistrellus*	Oct	32	60.5 - 79	51	4
2A	*Barbastella barbastellus*	Apr	0	0 - 0	0	2
2A	*Barbastella*	Jul	17	0 - 0	34	2

	barbastellus					
2A	*Barbastella barbastellus*	Sep	0	0 - 0	0	1
2A	*Eptesicus serotinus*	Apr	41	31.5 - 41	41	3
2A	*Eptesicus serotinus*	May	38	31.5 - 41	41	4
2A	*Eptesicus serotinus*	Jul	34	31.5 - 41	34	4
2A	*Myotis*	Apr	0	28 - 37.5	41	5
2A	*Myotis*	May	11	28 - 37.5	34	4
2A	*Myotis*	Jun	0	28 - 37.5	51	3
2A	*Myotis*	Jul	22	28 - 37.5	41	5
2A	*Myotis*	Aug	34	28 - 37.5	34	1
2A	*Myotis*	Sep	22	28 - 37.5	22	1
2A	*Myotis*	Oct	34	28 - 37.5	51	3
2A	*Nyctaloid*	Apr	78	57.5 - 75	88	4
2A	*Nyctaloid*	May	81	57.5 - 75	85	5
2A	*Nyctaloid*	Jun	69	57.5 - 75	80	5
2A	*Nyctaloid*	Jul	64	57.5 - 75	82	5
2A	*Nyctaloid*	Sep	22	57.5 - 75	22	1
2A	*Nyctaloid*	Oct	34	57.5 - 75	47	3
2A	*Nyctalus leisleri*	Apr	0	22 - 31.5	34	3
2A	*Nyctalus leisleri*	May	0	22 - 31.5	22	5
2A	*Nyctalus leisleri*	Jun	22	22 -	34	3

				31.5		
2A	*Nyctalus leisleri*	Jul	32	22 - 31.5	41	2
2A	*Nyctalus leisleri*	Oct	0	22 - 31.5	0	1
2A	*Nyctalus noctula*	Apr	69	53 - 72	88	5
2A	*Nyctalus noctula*	May	78	53 - 72	84	6
2A	*Nyctalus noctula*	Jun	64	53 - 72	76	5
2A	*Nyctalus noctula*	Jul	57	53 - 72	68	5
2A	*Nyctalus noctula*	Aug	0	53 - 72	0	1
2A	*Nyctalus noctula*	Sep	0	53 - 72	0	1
2A	*Nyctalus noctula*	Oct	0	53 - 72	22	3
2A	*Pipistrellus*	Apr	96	94 - 98.5	98	3
2A	*Pipistrellus*	May	97	94 - 98.5	97	1
2A	*Pipistrellus*	Jun	98	94 - 98.5	98	3
2A	*Pipistrellus*	Aug	99	94 - 98.5	99	1
2A	*Pipistrellus nathusii*	Jun	59	34 - 93	93	4
2A	*Pipistrellus pipistrellus*	Apr	90	78.5 - 92.5	97	5
2A	*Pipistrellus pipistrellus*	May	78	78.5 - 92.5	97	6
2A	*Pipistrellus pipistrellus*	Jun	98	78.5 - 92.5	98	5
2A	*Pipistrellus pipistrellus*	Jul	99	78.5 - 92.5	99	5
2A	*Pipistrellus pipistrellus*	Aug	93	78.5 - 92.5	98	2
2A	*Pipistrellus*	Sep	75	78.5 -	75	1

	pipistrellus			92.5		
2A	*Pipistrellus pipistrellus*	Oct	57	78.5 - 92.5	83	5
2A	*Pipistrellus pygmaeus*	Apr	62	44 - 61	72	5
2A	*Pipistrellus pygmaeus*	May	51	44 - 61	77	6
2A	*Pipistrellus pygmaeus*	Jun	41	44 - 61	57	5
2A	*Pipistrellus pygmaeus*	Jul	69	44 - 61	71	5
2B	*Barbastella barbastellus*	Apr	0	31.5 - 44	0	2
2B	*Barbastella barbastellus*	May	41	31.5 - 44	47	5
2B	*Barbastella barbastellus*	Jul	0	31.5 - 44	0	2
2B	*Barbastella barbastellus*	Sep	41	31.5 - 44	41	1
2B	*Barbastella barbastellus*	Oct	34	31.5 - 44	47	6
2B	*Eptesicus serotinus*	Apr	22	31.5 - 66.5	41	5
2B	*Eptesicus serotinus*	May	91	31.5 - 66.5	97	6
2B	*Eptesicus serotinus*	Jun	11	31.5 - 66.5	22	2
2B	*Eptesicus serotinus*	Jul	11	31.5 - 66.5	54	4
2B	*Eptesicus serotinus*	Aug	0	31.5 - 66.5	22	3
2B	*Eptesicus serotinus*	Oct	11	31.5 - 66.5	22	2
2B	*Myotis*	Apr	0	31.5 - 49	34	5
2B	*Myotis*	May	53	31.5 - 49	73	6
2B	*Myotis*	Jun	28	31.5 - 49	47	4
2B	*Myotis*	Jul	22	31.5 -	64	3

				49		
2B	*Myotis*	Aug	0	31.5 - 49	22	3
2B	*Myotis*	Sep	38	31.5 - 49	41	2
2B	*Myotis*	Oct	28	31.5 - 49	72	4
2B	*Nyctaloid*	Jun	69	46 - 70	75	5
2B	*Nyctaloid*	Jul	53	46 - 70	75	4
2B	*Nyctaloid*	Sep	54	46 - 70	54	1
2B	*Nyctalus leisleri*	Apr	0	38 - 92	0	1
2B	*Nyctalus leisleri*	May	84	38 - 92	95	6
2B	*Nyctalus leisleri*	Jul	0	38 - 92	0	2
2B	*Nyctalus leisleri*	Oct	0	38 - 92	54	6
2B	*Nyctalus noctula*	Apr	65	49 - 71	82	5
2B	*Nyctalus noctula*	May	84	49 - 71	87	5
2B	*Nyctalus noctula*	Jun	62	49 - 71	68	5
2B	*Nyctalus noctula*	Jul	22	49 - 71	64	4
2B	*Nyctalus noctula*	Sep	47	49 - 71	47	1
2B	*Nyctalus noctula*	Oct	0	49 - 71	0	2
2B	*Pipistrellus*	May	90	87.5 - 97	97	4
2B	*Pipistrellus*	Jun	97	87.5 - 97	97	1
2B	*Pipistrellus nathusii*	May	0	0 - 0	0	2
2B	*Pipistrellus nathusii*	Jul	0	0 - 0	0	1
2B	*Pipistrellus nathusii*	Oct	0	0 - 0	0	1

2B	*Pipistrellus pipistrellus*	Apr	41	54 - 75	72	5
2B	*Pipistrellus pipistrellus*	May	82	54 - 75	96	6
2B	*Pipistrellus pipistrellus*	Jun	80	54 - 75	96	5
2B	*Pipistrellus pipistrellus*	Jul	56	54 - 75	80	6
2B	*Pipistrellus pipistrellus*	Aug	56	54 - 75	79	6
2B	*Pipistrellus pipistrellus*	Sep	65	54 - 75	82	2
2B	*Pipistrellus pipistrellus*	Oct	78	54 - 75	100	7
2B	*Pipistrellus pygmaeus*	Apr	34	31.5 - 57.5	41	5
2B	*Pipistrellus pygmaeus*	Jun	28	31.5 - 57.5	68	4
2B	*Pipistrellus pygmaeus*	Jul	11	31.5 - 57.5	47	4
2B	*Pipistrellus pygmaeus*	Aug	71	31.5 - 57.5	86	5
2C	*Barbastella barbastellus*	May	17	0 - 0	34	2
2C	*Barbastella barbastellus*	Jun	0	0 - 0	0	1
2C	*Barbastella barbastellus*	Aug	0	0 - 0	0	2
2C	*Barbastella barbastellus*	Oct	0	0 - 0	0	1
2C	*Eptesicus serotinus*	Apr	41	42.5 - 60.5	76	5
2C	*Eptesicus serotinus*	May	54	42.5 - 60.5	81	6
2C	*Eptesicus serotinus*	Jul	34	42.5 - 60.5	64	5
2C	*Eptesicus serotinus*	Aug	59	42.5 - 60.5	67	6
2C	*Eptesicus serotinus*	Oct	0	42.5 - 60.5	0	1

2C	*Myotis*	Apr	17	34.5 - 59	60	4
2C	*Myotis*	May	56	34.5 - 59	71	6
2C	*Myotis*	Jun	0	34.5 - 59	0	4
2C	*Myotis*	Jul	40	34.5 - 59	73	4
2C	*Myotis*	Aug	11	34.5 - 59	47	6
2C	*Myotis*	Sep	22	34.5 - 59	22	1
2C	*Myotis*	Oct	0	34.5 - 59	0	1
2C	*Nyctaloid*	May	82	59 - 74.5	90	6
2C	*Nyctaloid*	Jun	61	59 - 74.5	65	4
2C	*Nyctaloid*	Jul	54	59 - 74.5	74	5
2C	*Nyctaloid*	Aug	72	59 - 74.5	76	6
2C	*Nyctalus leisleri*	Apr	22	22 - 22	64	3
2C	*Nyctalus leisleri*	May	0	22 - 22	22	5
2C	*Nyctalus leisleri*	Sep	0	22 - 22	0	1
2C	*Nyctalus noctula*	Apr	57	47.5 - 64.5	78	5
2C	*Nyctalus noctula*	May	75	47.5 - 64.5	84	6
2C	*Nyctalus noctula*	Jun	54	47.5 - 64.5	60	6
2C	*Nyctalus noctula*	Jul	41	47.5 - 64.5	65	3
2C	*Nyctalus noctula*	Aug	34	47.5 - 64.5	47	5
2C	*Nyctalus noctula*	Sep	0	47.5 - 64.5	0	1

2C	*Nyctalus noctula*	Oct	0	47.5 - 64.5	0	1
2C	*Pipistrellus*	May	94	89 - 97	97	3
2C	*Pipistrellus*	Jun	96	89 - 97	98	5
2C	*Pipistrellus*	Jul	87	89 - 97	87	1
2C	*Pipistrellus*	Sep	85	89 - 97	85	1
2C	*Pipistrellus nathusii*	Apr	34	22 - 44	47	3
2C	*Pipistrellus nathusii*	Jun	54	22 - 44	54	1
2C	*Pipistrellus nathusii*	Jul	22	22 - 44	22	3
2C	*Pipistrellus pipistrellus*	Apr	89	84 - 92.5	98	5
2C	*Pipistrellus pipistrellus*	May	96	84 - 92.5	98	6
2C	*Pipistrellus pipistrellus*	Jun	95	84 - 92.5	98	7
2C	*Pipistrellus pipistrellus*	Jul	86	84 - 92.5	97	6
2C	*Pipistrellus pipistrellus*	Aug	86	84 - 92.5	97	7
2C	*Pipistrellus pipistrellus*	Sep	79	84 - 92.5	79	1
2C	*Pipistrellus pipistrellus*	Oct	69	84 - 92.5	73	3
2C	*Pipistrellus pygmaeus*	Apr	35	46.5 - 70	68	4
2C	*Pipistrellus pygmaeus*	May	46	46.5 - 70	69	4
2C	*Pipistrellus pygmaeus*	Jun	89	46.5 - 70	92	7
2C	*Pipistrellus pygmaeus*	Jul	11	46.5 - 70	47	4
2C	*Pipistrellus pygmaeus*	Aug	60	46.5 - 70	68	5

4A	*Barbastella barbastellus*	Apr	22	22 - 41	22	1
4A	*Barbastella barbastellus*	May	32	22 - 41	57	4
4A	*Barbastella barbastellus*	Oct	0	22 - 41	0	2
4A	*Eptesicus serotinus*	Apr	78	43 - 65.5	80	5
4A	*Eptesicus serotinus*	May	22	43 - 65.5	65	5
4A	*Eptesicus serotinus*	Jun	26	43 - 65.5	54	4
4A	*Eptesicus serotinus*	Jul	17	43 - 65.5	41	4
4A	*Eptesicus serotinus*	Aug	0	43 - 65.5	0	1
4A	*Eptesicus serotinus*	Sep	0	43 - 65.5	0	1
4A	*Eptesicus serotinus*	Oct	51	43 - 65.5	82	5
4A	*Myotis*	Apr	11	22 - 51	22	2
4A	*Myotis*	May	41	22 - 51	57	5
4A	*Myotis*	Jun	0	22 - 51	0	3
4A	*Myotis*	Aug	0	22 - 51	0	1
4A	*Nyctaloid*	Apr	84	58.5 - 74	85	4
4A	*Nyctaloid*	Jun	70	58.5 - 74	72	3
4A	*Nyctaloid*	Jul	57	58.5 - 74	77	5
4A	*Nyctaloid*	Aug	57	58.5 - 74	69	5
4A	*Nyctaloid*	Oct	69	58.5 - 74	83	2
4A	*Nyctalus leisleri*	Apr	0	0 - 0	22	5
4A	*Nyctalus leisleri*	Jul	0	0 - 0	0	1

4A	*Nyctalus leisleri*	Aug	22	0 - 0	22	1
4A	*Nyctalus noctula*	Apr	47	38 - 51	60	5
4A	*Nyctalus noctula*	May	44	38 - 51	47	2
4A	*Nyctalus noctula*	Jun	47	38 - 51	54	7
4A	*Nyctalus noctula*	Jul	22	38 - 51	71	9
4A	*Nyctalus noctula*	Aug	54	38 - 51	60	7
4A	*Nyctalus noctula*	Sep	22	38 - 51	47	3
4A	*Nyctalus noctula*	Oct	17	38 - 51	34	2
4A	*Pipistrellus*	Jun	86	86 - 86	90	4
4A	*Pipistrellus nathusii*	May	51	41 - 84	84	5
4A	*Pipistrellus nathusii*	Jul	0	41 - 84	0	2
4A	*Pipistrellus pipistrellus*	Apr	51	51.5 - 70	70	5
4A	*Pipistrellus pipistrellus*	May	87	51.5 - 70	89	5
4A	*Pipistrellus pipistrellus*	Jun	57	51.5 - 70	81	7
4A	*Pipistrellus pipistrellus*	Jul	22	51.5 - 70	51	7
4A	*Pipistrellus pipistrellus*	Aug	80	51.5 - 70	89	7
4A	*Pipistrellus pipistrellus*	Sep	66	51.5 - 70	81	2
4A	*Pipistrellus pipistrellus*	Oct	34	51.5 - 70	47	4
4A	*Pipistrellus pygmaeus*	Apr	0	60 - 80.5	34	3
4A	*Pipistrellus pygmaeus*	May	88	60 - 80.5	96	5
4A	*Pipistrellus*	Jun	73	60 -	85	8

	pygmaeus			80.5		
4A	*Pipistrellus pygmaeus*	Aug	56	60 - 80.5	82	6
4B	*Barbastella barbastellus*	May	22	22 - 22	47	3
4B	*Barbastella barbastellus*	Oct	22	22 - 22	22	3
4B	*Eptesicus serotinus*	Apr	76	43 - 75	83	5
4B	*Eptesicus serotinus*	May	0	43 - 75	0	3
4B	*Eptesicus serotinus*	Jul	34	43 - 75	80	5
4B	*Eptesicus serotinus*	Aug	0	43 - 75	0	1
4B	*Eptesicus serotinus*	Sep	73	43 - 75	73	1
4B	*Eptesicus serotinus*	Oct	21	43 - 75	65	4
4B	*Myotis*	Apr	11	43.5 - 62.5	22	2
4B	*Myotis*	May	59	43.5 - 62.5	82	4
4B	*Myotis*	Jun	54	43.5 - 62.5	82	3
4B	*Myotis*	Jul	65	43.5 - 62.5	83	4
4B	*Myotis*	Aug	51	43.5 - 62.5	76	5
4B	*Myotis*	Sep	51	43.5 - 62.5	70	5
4B	*Myotis*	Oct	41	43.5 - 62.5	76	5
4B	*Nyctaloid*	Apr	83	43 - 73.5	85	5
4B	*Nyctaloid*	May	41	43 - 73.5	41	2
4B	*Nyctaloid*	Jun	22	43 - 73.5	41	3
4B	*Nyctaloid*	Jul	80	43 -	91	3

				73.5		
4B	*Nyctaloid*	Aug	30	43 - 73.5	60	2
4B	*Nyctaloid*	Sep	28	43 - 73.5	84	4
4B	*Nyctaloid*	Oct	22	43 - 73.5	22	1
4B	*Nyctalus leisleri*	Apr	11	28 - 28	22	2
4B	*Nyctalus leisleri*	May	0	28 - 28	0	1
4B	*Nyctalus leisleri*	Jul	17	28 - 28	34	2
4B	*Nyctalus noctula*	Apr	49	38 - 62.5	54	4
4B	*Nyctalus noctula*	May	28	38 - 62.5	47	4
4B	*Nyctalus noctula*	Jun	0	38 - 62.5	0	4
4B	*Nyctalus noctula*	Jul	54	38 - 62.5	82	5
4B	*Nyctalus noctula*	Aug	51	38 - 62.5	51	1
4B	*Nyctalus noctula*	Sep	11	38 - 62.5	51	4
4B	*Nyctalus noctula*	Oct	26	38 - 62.5	51	2
4B	*Pipistrellus pipistrellus*	Apr	51	46 - 65.5	70	5
4B	*Pipistrellus pipistrellus*	May	52	46 - 65.5	85	4
4B	*Pipistrellus pipistrellus*	Jul	65	46 - 65.5	90	5
4B	*Pipistrellus pipistrellus*	Sep	41	46 - 65.5	54	3
4B	*Pipistrellus pygmaeus*	Apr	22	31.5 - 51.5	47	3
4B	*Pipistrellus pygmaeus*	May	44	31.5 - 51.5	62	4
4B	*Pipistrellus*	Jul	47	31.5 -	51	3

	pygmaeus			51.5		
4B	*Pipistrellus pygmaeus*	Sep	0	31.5 - 51.5	0	2
4C	*Barbastella barbastellus*	Apr	0	34 - 34	0	1
4C	*Barbastella barbastellus*	Jul	34	34 - 34	34	1
4C	*Barbastella barbastellus*	Aug	34	34 - 34	34	1
4C	*Eptesicus serotinus*	Apr	43	34 - 64	51	2
4C	*Eptesicus serotinus*	Jun	11	34 - 64	22	2
4C	*Eptesicus serotinus*	Jul	65	34 - 64	83	5
4C	*Eptesicus serotinus*	Aug	22	34 - 64	22	1
4C	*Eptesicus serotinus*	Sep	0	34 - 64	0	1
4C	*Eptesicus serotinus*	Oct	34	34 - 64	51	3
4C	*Myotis*	Apr	54	40.5 - 59.5	78	5
4C	*Myotis*	Jun	47	40.5 - 59.5	77	5
4C	*Myotis*	Aug	67	40.5 - 59.5	67	1
4C	*Myotis*	Sep	11	40.5 - 59.5	47	6
4C	*Myotis*	Oct	22	40.5 - 59.5	34	3
4C	*Nyctaloid*	Apr	54	59.5 - 85	54	1
4C	*Nyctaloid*	Jul	80	59.5 - 85	88	5
4C	*Nyctaloid*	Aug	65	59.5 - 85	65	1
4C	*Nyctaloid*	Oct	0	59.5 - 85	0	2
4C	*Nyctalus leisleri*	Jun	41	20.5 -	41	1

4C	*Nyctalus leisleri*	Jul	0	20.5 20.5 - 20.5	0	1
4C	*Nyctalus noctula*	Apr	22	34 - 65	22	2
4C	*Nyctalus noctula*	Jun	34	34 - 65	41	4
4C	*Nyctalus noctula*	Jul	70	34 - 65	75	5
4C	*Nyctalus noctula*	Aug	29	34 - 65	57	2
4C	*Nyctalus noctula*	Sep	0	34 - 65	0	1
4C	*Nyctalus noctula*	Oct	21	34 - 65	41	2
4C	*Pipistrellus*	Jul	95	73 - 73	95	1
4C	*Pipistrellus*	Aug	51	73 - 73	51	1
4C	*Pipistrellus pipistrellus*	Apr	73	54.5 - 90	90	5
4C	*Pipistrellus pipistrellus*	Jul	92	54.5 - 90	95	5
4C	*Pipistrellus pipistrellus*	Aug	60	54.5 - 90	78	2
4C	*Pipistrellus pipistrellus*	Oct	32	54.5 - 90	41	2
4C	*Pipistrellus pygmaeus*	Apr	34	34 - 54	85	5
4C	*Pipistrellus pygmaeus*	Jun	60	34 - 54	67	5
4C	*Pipistrellus pygmaeus*	Jul	51	34 - 54	71	5
4C	*Pipistrellus pygmaeus*	Sep	22	34 - 54	41	5
4C	*Pipistrellus pygmaeus*	Oct	0	34 - 54	41	5
4C	*Rhinolophus hipposideros*	Sep	0	0	0	1
5A	*Barbastella*	May	0	22 -	22	3

	barbastellus			55		
5A	*Barbastella barbastellus*	Jun	0	22 - 55	0	2
5A	*Barbastella barbastellus*	Aug	22	22 - 55	34	3
5A	*Barbastella barbastellus*	Sep	54	22 - 55	76	3
5A	*Eptesicus serotinus*	Apr	32	31.5 - 46	41	2
5A	*Eptesicus serotinus*	May	22	31.5 - 46	51	6
5A	*Eptesicus serotinus*	Jun	41	31.5 - 46	68	6
5A	*Eptesicus serotinus*	Aug	34	31.5 - 46	62	6
5A	*Eptesicus serotinus*	Sep	34	31.5 - 46	57	3
5A	*Eptesicus serotinus*	Oct	22	31.5 - 46	34	3
5A	*Myotis*	Apr	34	38 - 58	54	3
5A	*Myotis*	May	47	38 - 58	65	7
5A	*Myotis*	Jun	0	38 - 58	0	1
5A	*Myotis*	Jul	0	38 - 58	0	1
5A	*Myotis*	Aug	51	38 - 58	65	5
5A	*Myotis*	Sep	54	38 - 58	71	3
5A	*Nyctaloid*	Apr	34	47.5 - 63	47	3
5A	*Nyctaloid*	Jun	72	47.5 - 63	76	6
5A	*Nyctaloid*	Aug	65	47.5 - 63	75	5
5A	*Nyctaloid*	Sep	47	47.5 - 63	47	1
5A	*Nyctaloid*	Oct	41	47.5 -	51	5

				63		
5A	*Nyctalus leisleri*	Jun	0	0 - 0	41	4
5A	*Nyctalus noctula*	Apr	34	37.5 - 51	34	4
5A	*Nyctalus noctula*	May	0	37.5 - 51	57	7
5A	*Nyctalus noctula*	Jun	51	37.5 - 51	70	7
5A	*Nyctalus noctula*	Aug	41	37.5 - 51	54	6
5A	*Nyctalus noctula*	Sep	34	37.5 - 51	34	1
5A	*Nyctalus noctula*	Oct	0	37.5 - 51	41	4
5A	*Pipistrellus*	Jul	41	0	41	1
5A	*Pipistrellus nathusii*	Jun	0	0 - 0	0	1
5A	*Pipistrellus nathusii*	Aug	0	0 - 0	0	1
5A	*Pipistrellus nathusii*	Sep	0	0 - 0	0	2
5A	*Pipistrellus pipistrellus*	Apr	41	48.5 - 70.5	73	3
5A	*Pipistrellus pipistrellus*	May	74	48.5 - 70.5	88	7
5A	*Pipistrellus pipistrellus*	Jun	57	48.5 - 70.5	71	7
5A	*Pipistrellus pipistrellus*	Jul	11	48.5 - 70.5	22	2
5A	*Pipistrellus pipistrellus*	Aug	68	48.5 - 70.5	80	5
5A	*Pipistrellus pipistrellus*	Sep	80	48.5 - 70.5	89	3
5A	*Pipistrellus pipistrellus*	Oct	22	48.5 - 70.5	34	3
5A	*Pipistrellus pygmaeus*	May	0	40.5 - 54	0	1
5A	*Pipistrellus pygmaeus*	Jun	17	40.5 - 54	47	4
5A	*Pipistrellus pygmaeus*	Aug	49	40.5 - 54	57	6
5B	*Barbastella barbastellus*	May	11	22 - 48	22	4

5B	*Barbastella barbastellus*	Jul	31	22 - 48	62	2
5B	*Barbastella barbastellus*	Aug	17	22 - 48	34	4
5B	*Eptesicus serotinus*	Apr	0	31.5 - 52	0	1
5B	*Eptesicus serotinus*	May	41	31.5 - 52	89	11
5B	*Eptesicus serotinus*	Jun	41	31.5 - 52	57	3
5B	*Eptesicus serotinus*	Jul	22	31.5 - 52	22	3
5B	*Eptesicus serotinus*	Aug	17	31.5 - 52	51	6
5B	*Eptesicus serotinus*	Sep	22	31.5 - 52	34	3
5B	*Eptesicus serotinus*	Oct	0	31.5 - 52	0	1
5B	*Myotis*	Apr	37	36.5 - 54	70	4
5B	*Myotis*	May	51	36.5 - 54	70	12
5B	*Myotis*	Jun	51	36.5 - 54	69	3
5B	*Myotis*	Jul	22	36.5 - 54	51	4
5B	*Myotis*	Aug	22	36.5 - 54	73	5
5B	*Myotis*	Sep	11	36.5 - 54	22	2
5B	*Myotis*	Oct	0	36.5 - 54	0	2
5B	*Nyctaloid*	Apr	41	52 - 68.5	47	2
5B	*Nyctaloid*	May	71	52 - 68.5	92	10
5B	*Nyctaloid*	Jun	62	52 - 68.5	70	3
5B	*Nyctaloid*	Jul	34	52 - 68.5	34	1

5B	*Nyctaloid*	Aug	67	52 - 68.5	71	4
5B	*Nyctaloid*	Sep	41	52 - 68.5	41	3
5B	*Nyctaloid*	Oct	0	52 - 68.5	0	1
5B	*Nyctalus leisleri*	Apr	0	0 - 0	22	3
5B	*Nyctalus leisleri*	May	0	0 - 0	0	4
5B	*Nyctalus noctula*	Apr	0	40.5 - 59	0	1
5B	*Nyctalus noctula*	May	65	40.5 - 59	77	15
5B	*Nyctalus noctula*	Jun	41	40.5 - 59	47	3
5B	*Nyctalus noctula*	Jul	0	40.5 - 59	34	4
5B	*Nyctalus noctula*	Aug	11	40.5 - 59	47	4
5B	*Nyctalus noctula*	Sep	0	40.5 - 59	0	1
5B	*Nyctalus noctula*	Oct	11	40.5 - 59	22	2
5B	*Pipistrellus*	May	67	66 - 92.5	99	2
5B	*Pipistrellus*	Jul	92	66 - 92.5	96	2
5B	*Pipistrellus*	Aug	88	66 - 92.5	98	6
5B	*Pipistrellus*	Sep	76	66 - 92.5	82	2
5B	*Pipistrellus nathusii*	May	0	0	0	1
5B	*Pipistrellus pipistrellus*	Apr	65	60 - 79	96	4
5B	*Pipistrellus pipistrellus*	May	85	60 - 79	100	15
5B	*Pipistrellus pipistrellus*	Jun	81	60 - 79	84	3
5B	*Pipistrellus pipistrellus*	Jul	86	60 - 79	96	6
5B	*Pipistrellus*	Sep	57	60 -	72	7

	pipistrellus			79		
5B	*Pipistrellus pipistrellus*	Oct	34	60 - 79	60	4
5B	*Pipistrellus pygmaeus*	Apr	77	54 - 70.5	92	2
5B	*Pipistrellus pygmaeus*	May	38	54 - 70.5	88	12
5B	*Pipistrellus pygmaeus*	Jun	54	54 - 70.5	60	2
5B	*Pipistrellus pygmaeus*	Jul	58	54 - 70.5	79	6
5B	*Pipistrellus pygmaeus*	Aug	80	54 - 70.5	89	6
5C	*Barbastella barbastellus*	Jul	22	31.5 - 31.5	22	1
5C	*Barbastella barbastellus*	Aug	0	31.5 - 31.5	0	1
5C	*Barbastella barbastellus*	Sep	41	31.5 - 31.5	41	1
5C	*Eptesicus serotinus*	Jun	26	34 - 51.5	51	2
5C	*Eptesicus serotinus*	Jul	43	34 - 51.5	81	8
5C	*Eptesicus serotinus*	Aug	0	34 - 51.5	41	5
5C	*Eptesicus serotinus*	Sep	22	34 - 51.5	34	3
5C	*Eptesicus serotinus*	Oct	47	34 - 51.5	54	7
5C	*Myotis*	Apr	68	45.5 - 61.5	80	4
5C	*Myotis*	May	0	45.5 - 61.5	47	5
5C	*Myotis*	Jun	41	45.5 - 61.5	67	5
5C	*Myotis*	Jul	0	45.5 - 61.5	47	5
5C	*Myotis*	Aug	51	45.5 - 61.5	57	3
5C	*Myotis*	Sep	34	45.5 -	75	4

				61.5		
5C	*Myotis*	Oct	68	45.5 - 61.5	78	7
5C	*Nyctaloid*	Apr	22	47.5 - 67.5	22	1
5C	*Nyctaloid*	Jun	51	47.5 - 67.5	71	3
5C	*Nyctaloid*	Jul	73	47.5 - 67.5	86	7
5C	*Nyctaloid*	Aug	51	47.5 - 67.5	69	4
5C	*Nyctaloid*	Oct	51	47.5 - 67.5	77	4
5C	*Nyctalus leisleri*	Jul	22	22 - 22	22	1
5C	*Nyctalus leisleri*	Aug	22	22 - 22	22	2
5C	*Nyctalus leisleri*	Sep	0	22 - 22	0	2
5C	*Nyctalus noctula*	Apr	0	36.5 - 49	0	1
5C	*Nyctalus noctula*	May	0	36.5 - 49	47	4
5C	*Nyctalus noctula*	Jun	47	36.5 - 49	51	6
5C	*Nyctalus noctula*	Jul	41	36.5 - 49	64	9
5C	*Nyctalus noctula*	Aug	11	36.5 - 49	34	4
5C	*Nyctalus noctula*	Sep	0	36.5 - 49	0	1
5C	*Nyctalus noctula*	Oct	0	36.5 - 49	70	7
5C	*Pipistrellus*	Apr	91	70.5 - 89	91	1
5C	*Pipistrellus*	May	60	70.5 - 89	60	1
5C	*Pipistrellus*	Jun	68	70.5 - 89	70	4
5C	*Pipistrellus*	Aug	95	70.5 -	99	3

				89		
5C	*Pipistrellus*	Sep	86	70.5 - 89	91	4
5C	*Pipistrellus*	Oct	79	70.5 - 89	79	1
5C	*Pipistrellus nathusii*	Apr	0	0 - 0	0	2
5C	*Pipistrellus nathusii*	Aug	0	0 - 0	0	2
5C	*Pipistrellus nathusii*	Sep	34	0 - 0	34	2
5C	*Pipistrellus pipistrellus*	Apr	90	70 - 80.5	98	3
5C	*Pipistrellus pipistrellus*	May	67	70 - 80.5	70	6
5C	*Pipistrellus pipistrellus*	Jun	57	70 - 80.5	64	6
5C	*Pipistrellus pipistrellus*	Jul	75	70 - 80.5	89	11
5C	*Pipistrellus pipistrellus*	Aug	94	70 - 80.5	99	7
5C	*Pipistrellus pipistrellus*	Sep	80	70 - 80.5	89	4
5C	*Pipistrellus pipistrellus*	Oct	78	70 - 80.5	93	7
5C	*Pipistrellus pygmaeus*	Apr	62	41 - 59	83	2
5C	*Pipistrellus pygmaeus*	May	0	41 - 59	0	3
5C	*Pipistrellus pygmaeus*	Jun	0	41 - 59	34	4
5C	*Pipistrellus pygmaeus*	Jul	51	41 - 59	78	9
5C	*Pipistrellus pygmaeus*	Aug	57	41 - 59	70	6
6A	*Barbastella barbastellus*	Sep	22	22 - 34	34	5
6A	*Eptesicus serotinus*	Apr	0	31.5 - 49	0	1
6A	*Eptesicus serotinus*	May	0	31.5 - 49	0	2
6A	*Eptesicus serotinus*	Jun	41	31.5 - 49	47	3

6A	*Eptesicus serotinus*	Sep	22	31.5 - 49	51	5
6A	*Eptesicus serotinus*	Oct	34	31.5 - 49	34	1
6A	*Myotis*	May	34	36.5 - 57.5	57	3
6A	*Myotis*	Jun	38	36.5 - 57.5	51	4
6A	*Myotis*	Jul	47	36.5 - 57.5	51	5
6A	*Myotis*	Aug	0	36.5 - 57.5	0	1
6A	*Myotis*	Sep	68	36.5 - 57.5	79	5
6A	*Nyctaloid*	Apr	34	40.5 - 54.5	60	3
6A	*Nyctaloid*	May	47	40.5 - 54.5	60	2
6A	*Nyctaloid*	Jun	51	40.5 - 54.5	62	4
6A	*Nyctaloid*	Jul	60	40.5 - 54.5	65	2
6A	*Nyctaloid*	Aug	22	40.5 - 54.5	22	1
6A	*Nyctaloid*	Sep	41	40.5 - 54.5	72	5
6A	*Nyctaloid*	Oct	47	40.5 - 54.5	47	1
6A	*Nyctalus leisleri*	Apr	0	17 - 17	0	1
6A	*Nyctalus leisleri*	May	34	17 - 17	34	1
6A	*Nyctalus noctula*	Apr	0	22 - 45.5	47	3
6A	*Nyctalus noctula*	May	34	22 - 45.5	34	1
6A	*Nyctalus noctula*	Jun	22	22 - 45.5	22	1
6A	*Nyctalus noctula*	Jul	22	22 - 45.5	57	5

6A	*Nyctalus noctula*	Aug	0	22 - 45.5	0	1
6A	*Nyctalus noctula*	Sep	11	22 - 45.5	62	4
6A	*Nyctalus noctula*	Oct	22	22 - 45.5	41	3
6A	*Pipistrellus*	Jul	74	0	74	1
6A	*Pipistrellus nathusii*	Sep	0	0	0	1
6A	*Pipistrellus pipistrellus*	Apr	67	60.5 - 83	83	4
6A	*Pipistrellus pipistrellus*	May	81	60.5 - 83	96	4
6A	*Pipistrellus pipistrellus*	Jun	81	60.5 - 83	91	5
6A	*Pipistrellus pipistrellus*	Jul	47	60.5 - 83	54	5
6A	*Pipistrellus pipistrellus*	Sep	88	60.5 - 83	92	5
6A	*Pipistrellus pygmaeus*	May	22	22 - 58.5	62	4
6A	*Pipistrellus pygmaeus*	Jul	24	22 - 58.5	70	4
6A	*Pipistrellus pygmaeus*	Aug	22	22 - 58.5	22	1
6B	*Barbastella barbastellus*	May	22	22 - 45.5	22	2
6B	*Barbastella barbastellus*	Aug	34	22 - 45.5	34	1
6B	*Barbastella barbastellus*	Sep	34	22 - 45.5	57	5
6B	*Eptesicus serotinus*	May	37	42.5 - 67.5	57	4
6B	*Eptesicus serotinus*	Jun	28	42.5 - 67.5	34	2
6B	*Eptesicus serotinus*	Jul	68	42.5 - 67.5	84	5
6B	*Eptesicus serotinus*	Aug	41	42.5 - 67.5	54	5
6B	*Eptesicus serotinus*	Sep	0	42.5 - 67.5	51	3

6B	*Eptesicus serotinus*	Oct	82	42.5 - 67.5	93	5
6B	*Myotis*	Jun	22	39.5 - 66	47	3
6B	*Myotis*	Jul	22	39.5 - 66	57	5
6B	*Myotis*	Aug	47	39.5 - 66	67	5
6B	*Myotis*	Sep	76	39.5 - 66	85	5
6B	*Nyctaloid*	May	64	69 - 83	64	1
6B	*Nyctaloid*	Jun	54	69 - 83	67	3
6B	*Nyctaloid*	Jul	87	69 - 83	88	3
6B	*Nyctaloid*	Aug	76	69 - 83	80	5
6B	*Nyctaloid*	Oct	86	69 - 83	94	4
6B	*Nyctalus leisleri*	Apr	0	22 - 22	0	1
6B	*Nyctalus leisleri*	Jul	0	22 - 22	22	5
6B	*Nyctalus leisleri*	Sep	22	22 - 22	34	3
6B	*Nyctalus noctula*	Apr	17	34 - 57	34	2
6B	*Nyctalus noctula*	May	0	34 - 57	22	3
6B	*Nyctalus noctula*	Jun	34	34 - 57	62	5
6B	*Nyctalus noctula*	Jul	52	34 - 57	81	4
6B	*Nyctalus noctula*	Aug	54	34 - 57	60	5
6B	*Nyctalus noctula*	Sep	0	34 - 57	51	3
6B	*Nyctalus noctula*	Oct	17	34 - 57	34	2

6B	*Pipistrellus*	Jun	96	83.5 - 96	96	3
6B	*Pipistrellus*	Jul	92	83.5 - 96	92	1
6B	*Pipistrellus*	Aug	74	83.5 - 96	87	3
6B	*Pipistrellus*	Sep	97	83.5 - 96	98	3
6B	*Pipistrellus nathusii*	May	0	23.5 - 23.5	0	1
6B	*Pipistrellus nathusii*	Jul	47	23.5 - 23.5	47	1
6B	*Pipistrellus pipistrellus*	May	68	76 - 88	81	5
6B	*Pipistrellus pipistrellus*	Jun	90	76 - 88	92	5
6B	*Pipistrellus pipistrellus*	Jul	90	76 - 88	92	5
6B	*Pipistrellus pipistrellus*	Aug	68	76 - 88	84	5
6B	*Pipistrellus pipistrellus*	Sep	92	76 - 88	97	5
6B	*Pipistrellus pygmaeus*	Apr	34	34 - 70	34	1
6B	*Pipistrellus pygmaeus*	May	0	34 - 70	0	2
6B	*Pipistrellus pygmaeus*	Jun	90	34 - 70	93	5
6B	*Pipistrellus pygmaeus*	Jul	41	34 - 70	47	4
6B	*Pipistrellus pygmaeus*	Aug	22	34 - 70	65	5
6C	*Barbastella barbastellus*	Jun	0	0 - 0	0	1
6C	*Barbastella barbastellus*	Sep	0	0 - 0	22	3
6C	*Barbastella barbastellus*	Oct	22	0 - 0	22	1
6C	*Eptesicus serotinus*	Apr	41	45.5 - 67	47	3

6C	*Eptesicus serotinus*	May	22	45.5 - 67	22	1
6C	*Eptesicus serotinus*	Jun	28	45.5 - 67	34	2
6C	*Eptesicus serotinus*	Jul	22	45.5 - 67	22	3
6C	*Eptesicus serotinus*	Aug	38	45.5 - 67	41	4
6C	*Eptesicus serotinus*	Sep	70	45.5 - 67	81	6
6C	*Eptesicus serotinus*	Oct	75	45.5 - 67	87	7
6C	*Myotis*	Apr	22	49.5 - 77.5	99	5
6C	*Myotis*	May	0	49.5 - 77.5	0	1
6C	*Myotis*	Jun	0	49.5 - 77.5	0	1
6C	*Myotis*	Jul	54	49.5 - 77.5	80	3
6C	*Myotis*	Aug	28	49.5 - 77.5	34	2
6C	*Myotis*	Sep	67	49.5 - 77.5	79	6
6C	*Myotis*	Oct	90	49.5 - 77.5	95	7
6C	*Nyctaloid*	May	34	41 - 69	51	3
6C	*Nyctaloid*	Jun	60	41 - 69	60	1
6C	*Nyctaloid*	Jul	40	41 - 69	57	2
6C	*Nyctaloid*	Aug	47	41 - 69	54	5
6C	*Nyctaloid*	Sep	84	41 - 69	88	6
6C	*Nyctalus leisleri*	Oct	84	78.5 - 87	90	7
6C	*Nyctalus noctula*	Apr	47	34 - 54.5	60	2

6C	*Nyctalus noctula*	May	11	34 - 54.5	34	4
6C	*Nyctalus noctula*	Jun	22	34 - 54.5	41	4
6C	*Nyctalus noctula*	Jul	41	34 - 54.5	54	5
6C	*Nyctalus noctula*	Sep	60	34 - 54.5	69	6
6C	*Nyctalus noctula*	Oct	0	34 - 54.5	0	3
6C	*Pipistrellus*	Sep	98	94 - 97.5	99	6
6C	*Pipistrellus*	Oct	95	94 - 97.5	96	5
6C	*Pipistrellus nathusii*	Jun	0	0	0	1
6C	*Pipistrellus pipistrellus*	Apr	83	75.5 - 95	100	6
6C	*Pipistrellus pipistrellus*	May	28	75.5 - 95	47	4
6C	*Pipistrellus pipistrellus*	Jun	98	75.5 - 95	99	5
6C	*Pipistrellus pipistrellus*	Jul	51	75.5 - 95	64	3
6C	*Pipistrellus pipistrellus*	Aug	0	75.5 - 95	0	1
6C	*Pipistrellus pipistrellus*	Sep	98	75.5 - 95	99	6
6C	*Pipistrellus pipistrellus*	Oct	89	75.5 - 95	95	7
6C	*Pipistrellus pygmaeus*	Apr	66	54 - 86	91	4
6C	*Pipistrellus pygmaeus*	May	0	54 - 86	0	1
6C	*Pipistrellus pygmaeus*	Jun	60	54 - 86	64	4
8A	*Barbastella barbastellus*	May	22	11 - 11	22	1
8A	*Barbastella barbastellus*	Jun	0	11 - 11	0	1
8A	*Eptesicus serotinus*	May	43	34.5 -	78	8

				52.5		
8A	*Eptesicus serotinus*	Jun	17	34.5 - 52.5	34	2
8A	*Eptesicus serotinus*	Jul	11	34.5 - 52.5	41	4
8A	*Eptesicus serotinus*	Aug	47	34.5 - 52.5	60	5
8A	*Eptesicus serotinus*	Sep	22	34.5 - 52.5	47	4
8A	*Eptesicus serotinus*	Oct	47	34.5 - 52.5	60	5
8A	*Myotis*	May	22	31.5 - 70	22	5
8A	*Myotis*	Aug	57	31.5 - 70	73	2
8A	*Myotis*	Sep	0	31.5 - 70	41	3
8A	*Myotis*	Oct	70	31.5 - 70	78	4
8A	*Nyctaloid*	May	80	63.5 - 81	80	2
8A	*Nyctaloid*	Jul	65	63.5 - 81	78	3
8A	*Nyctaloid*	Aug	84	63.5 - 81	86	4
8A	*Nyctaloid*	Oct	60	63.5 - 81	65	3
8A	*Nyctalus leisleri*	May	0	44 - 44	0	3
8A	*Nyctalus leisleri*	Jun	44	44 - 44	47	2
8A	*Nyctalus noctula*	May	34	37.5 - 51.5	69	16
8A	*Nyctalus noctula*	Jun	41	37.5 - 51.5	62	3
8A	*Nyctalus noctula*	Jul	51	37.5 - 51.5	77	5
8A	*Nyctalus noctula*	Aug	75	37.5 - 51.5	81	5
8A	*Nyctalus noctula*	Sep	22	37.5 -	47	3

				51.5		
8A	*Nyctalus noctula*	Oct	28	37.5 - 51.5	47	4
8A	*Pipistrellus*	May	92	93 - 96.5	93	2
8A	*Pipistrellus*	Jun	95	93 - 96.5	95	3
8A	*Pipistrellus*	Jul	95	93 - 96.5	95	3
8A	*Pipistrellus*	Aug	98	93 - 96.5	98	2
8A	*Pipistrellus nathusii*	May	11	0 - 0	22	4
8A	*Pipistrellus nathusii*	Oct	0	0 - 0	0	1
8A	*Pipistrellus pipistrellus*	May	89	81 - 92	99	17
8A	*Pipistrellus pipistrellus*	Jun	94	81 - 92	95	3
8A	*Pipistrellus pipistrellus*	Jul	94	81 - 92	95	5
8A	*Pipistrellus pipistrellus*	Aug	98	81 - 92	98	5
8A	*Pipistrellus pipistrellus*	Sep	68	81 - 92	78	5
8A	*Pipistrellus pipistrellus*	Oct	89	81 - 92	92	5
8A	*Pipistrellus pygmaeus*	May	75	60 - 75	77	5
8A	*Pipistrellus pygmaeus*	Jun	34	60 - 75	80	3
8A	*Pipistrellus pygmaeus*	Jul	60	60 - 75	72	5
8A	*Pipistrellus pygmaeus*	Aug	79	60 - 75	82	5
8A	*Pipistrellus pygmaeus*	Sep	72	60 - 75	74	5
8A	*Pipistrellus pygmaeus*	Oct	80	60 - 75	83	5
8A	*Rhinolophus hipposideros*	Sep	22	0	22	1
8B	*Barbastella*	May	0	22 -	0	1

	barbastellus			89		
8B	*Barbastella barbastellus*	Jun	22	22 - 89	34	3
8B	*Barbastella barbastellus*	Jul	0	22 - 89	0	1
8B	*Barbastella barbastellus*	Aug	11	22 - 89	22	2
8B	*Barbastella barbastellus*	Sep	89	22 - 89	96	5
8B	*Barbastella barbastellus*	Oct	0	22 - 89	0	2
8B	*Eptesicus serotinus*	May	22	39.5 - 54.5	34	5
8B	*Eptesicus serotinus*	Jun	41	39.5 - 54.5	47	3
8B	*Eptesicus serotinus*	Jul	47	39.5 - 54.5	60	5
8B	*Eptesicus serotinus*	Aug	28	39.5 - 54.5	34	4
8B	*Eptesicus serotinus*	Sep	57	39.5 - 54.5	65	5
8B	*Eptesicus serotinus*	Oct	72	39.5 - 54.5	76	5
8B	*Myotis*	May	62	49 - 65	65	5
8B	*Myotis*	Jun	34	49 - 65	64	5
8B	*Myotis*	Jul	38	49 - 65	51	4
8B	*Myotis*	Aug	22	49 - 65	47	3
8B	*Myotis*	Sep	74	49 - 65	83	5
8B	*Myotis*	Oct	71	49 - 65	82	5
8B	*Nyctaloid*	May	71	68.5 - 77.5	80	5
8B	*Nyctaloid*	Jun	64	68.5 - 77.5	80	5
8B	*Nyctaloid*	Jul	75	68.5 -	82	5

				77.5		
8B	*Nyctaloid*	Aug	62	68.5 - 77.5	62	1
8B	*Nyctaloid*	Oct	81	68.5 - 77.5	81	4
8B	*Nyctalus leisleri*	May	0	22 - 51	0	2
8B	*Nyctalus leisleri*	Sep	34	22 - 51	51	5
8B	*Nyctalus leisleri*	Oct	0	22 - 51	0	1
8B	*Nyctalus noctula*	May	67	54 - 63.5	76	5
8B	*Nyctalus noctula*	Jun	51	54 - 63.5	54	5
8B	*Nyctalus noctula*	Jul	68	54 - 63.5	76	5
8B	*Nyctalus noctula*	Aug	11	54 - 63.5	51	4
8B	*Nyctalus noctula*	Sep	62	54 - 63.5	70	5
8B	*Nyctalus noctula*	Oct	60	54 - 63.5	62	5
8B	*Pipistrellus*	May	98	91 - 97.5	98	3
8B	*Pipistrellus*	Jun	94	91 - 97.5	94	3
8B	*Pipistrellus*	Jul	87	91 - 97.5	87	1
8B	*Pipistrellus*	Aug	88	91 - 97.5	88	1
8B	*Pipistrellus*	Sep	98	91 - 97.5	99	5
8B	*Pipistrellus nathusii*	Sep	22	0	22	1
8B	*Pipistrellus pipistrellus*	May	96	88.5 - 93.5	97	5
8B	*Pipistrellus pipistrellus*	Jun	88	88.5 - 93.5	91	5
8B	*Pipistrellus pipistrellus*	Jul	93	88.5 - 93.5	97	5

8B	*Pipistrellus pipistrellus*	Aug	82	88.5 - 93.5	88	5
8B	*Pipistrellus pipistrellus*	Sep	96	88.5 - 93.5	97	5
8B	*Pipistrellus pipistrellus*	Oct	96	88.5 - 93.5	99	5
8B	*Pipistrellus pygmaeus*	May	83	75.5 - 85	90	5
8B	*Pipistrellus pygmaeus*	Jun	71	75.5 - 85	88	5
8B	*Pipistrellus pygmaeus*	Jul	70	75.5 - 85	82	5
8B	*Pipistrellus pygmaeus*	Aug	77	75.5 - 85	82	5
8B	*Pipistrellus pygmaeus*	Oct	91	75.5 - 85	99	5
8C	*Barbastella barbastellus*	May	22	0 - 0	22	1
8C	*Barbastella barbastellus*	Jun	0	0 - 0	0	3
8C	*Barbastella barbastellus*	Sep	22	0 - 0	22	3
8C	*Eptesicus serotinus*	May	43	31.5 - 56	78	8
8C	*Eptesicus serotinus*	Jun	0	31.5 - 56	0	1
8C	*Eptesicus serotinus*	Jul	11	31.5 - 56	41	4
8C	*Eptesicus serotinus*	Aug	38	31.5 - 56	51	4
8C	*Eptesicus serotinus*	Sep	22	31.5 - 56	22	1
8C	*Eptesicus serotinus*	Oct	47	31.5 - 56	60	5
8C	*Myotis*	May	22	22 - 55.5	22	5
8C	*Myotis*	Aug	22	22 - 55.5	22	3
8C	*Myotis*	Sep	44	22 - 55.5	51	4

8C	*Myotis*	Oct	70	22 - 55.5	78	4
8C	*Nyctaloid*	May	80	59.5 - 73	80	2
8C	*Nyctaloid*	Jul	65	59.5 - 73	78	3
8C	*Nyctaloid*	Aug	69	59.5 - 73	77	5
8C	*Nyctaloid*	Sep	47	59.5 - 73	47	1
8C	*Nyctaloid*	Oct	60	59.5 - 73	65	3
8C	*Nyctalus leisleri*	May	0	36.5 - 51	0	3
8C	*Nyctalus leisleri*	Jun	51	36.5 - 51	51	3
8C	*Nyctalus leisleri*	Aug	11	36.5 - 51	22	2
8C	*Nyctalus noctula*	May	34	39.5 - 51.5	69	16
8C	*Nyctalus noctula*	Jun	49	39.5 - 51.5	65	4
8C	*Nyctalus noctula*	Jul	51	39.5 - 51.5	77	5
8C	*Nyctalus noctula*	Aug	51	39.5 - 51.5	73	5
8C	*Nyctalus noctula*	Sep	41	39.5 - 51.5	51	3
8C	*Nyctalus noctula*	Oct	28	39.5 - 51.5	47	4
8C	*Pipistrellus*	May	92	92.5 - 95.5	93	2
8C	*Pipistrellus*	Jul	95	92.5 - 95.5	95	3
8C	*Pipistrellus*	Aug	96	92.5 - 95.5	96	1
8C	*Pipistrellus nathusii*	May	11	22 - 49	22	4
8C	*Pipistrellus nathusii*	Jun	41	22 - 49	64	3

8C	*Pipistrellus nathusii*	Oct	0	22 - 49	0	1
8C	*Pipistrellus pipistrellus*	May	89	82 - 91.5	99	17
8C	*Pipistrellus pipistrellus*	Jun	92	82 - 91.5	96	4
8C	*Pipistrellus pipistrellus*	Jul	94	82 - 91.5	95	5
8C	*Pipistrellus pipistrellus*	Aug	95	82 - 91.5	96	5
8C	*Pipistrellus pipistrellus*	Sep	77	82 - 91.5	85	5
8C	*Pipistrellus pipistrellus*	Oct	89	82 - 91.5	92	5
8C	*Pipistrellus pygmaeus*	May	75	57.5 - 70	77	5
8C	*Pipistrellus pygmaeus*	Jun	46	57.5 - 70	54	4
8C	*Pipistrellus pygmaeus*	Jul	60	57.5 - 70	72	5
8C	*Pipistrellus pygmaeus*	Aug	69	57.5 - 70	76	5
8C	*Pipistrellus pygmaeus*	Sep	66	57.5 - 70	75	4
8C	*Pipistrellus pygmaeus*	Oct	80	57.5 - 70	83	5
9A	*Barbastella barbastellus*	May	0	0 - 0	22	3
9A	*Barbastella barbastellus*	Jul	0	0 - 0	0	1
9A	*Barbastella barbastellus*	Sep	0	0 - 0	0	1
9A	*Eptesicus serotinus*	Apr	68	22 - 72.5	77	3
9A	*Eptesicus serotinus*	May	22	22 - 72.5	84	4
9A	*Eptesicus serotinus*	Jun	0	22 - 72.5	0	1
9A	*Eptesicus serotinus*	Jul	34	22 - 72.5	64	3

9A	*Eptesicus serotinus*	Aug	22	22 - 72.5	22	1
9A	*Eptesicus serotinus*	Sep	0	22 - 72.5	0	1
9A	*Myotis*	Apr	34	41 - 57.5	54	3
9A	*Myotis*	May	66	41 - 57.5	80	6
9A	*Myotis*	Jun	51	41 - 57.5	62	5
9A	*Myotis*	Jul	0	41 - 57.5	60	5
9A	*Myotis*	Aug	0	41 - 57.5	22	4
9A	*Myotis*	Sep	38	41 - 57.5	51	4
9A	*Nyctaloid*	Apr	84	50.5 - 72	90	2
9A	*Nyctaloid*	May	56	50.5 - 72	87	6
9A	*Nyctaloid*	Jun	51	50.5 - 72	54	2
9A	*Nyctaloid*	Jul	73	50.5 - 72	74	2
9A	*Nyctaloid*	Sep	55	50.5 - 72	62	2
9A	*Nyctalus leisleri*	May	0	0	0	1
9A	*Nyctalus noctula*	Apr	62	40.5 - 52.5	86	5
9A	*Nyctalus noctula*	May	47	40.5 - 52.5	64	7
9A	*Nyctalus noctula*	Jun	34	40.5 - 52.5	47	5
9A	*Nyctalus noctula*	Jul	47	40.5 - 52.5	71	3
9A	*Nyctalus noctula*	Aug	17	40.5 - 52.5	51	4
9A	*Nyctalus noctula*	Sep	17	40.5 - 52.5	54	4
9A	*Nyctalus noctula*	Oct	22	40.5 -	22	3

				52.5		
9A	*Pipistrellus pipistrellus*	Apr	66	34 - 85	85	2
9A	*Pipistrellus pipistrellus*	May	41	34 - 85	74	4
9A	*Pipistrellus pipistrellus*	Jun	0	34 - 85	0	1
9A	*Pipistrellus pipistrellus*	Jul	0	34 - 85	0	2
9A	*Pipistrellus pipistrellus*	Aug	0	34 - 85	0	2
9A	*Pipistrellus pygmaeus*	Apr	92	63 - 85	96	3
9A	*Pipistrellus pygmaeus*	May	77	63 - 85	93	6
9A	*Pipistrellus pygmaeus*	Jun	79	63 - 85	85	5
9A	*Pipistrellus pygmaeus*	Jul	91	63 - 85	98	5
9A	*Pipistrellus pygmaeus*	Aug	22	63 - 85	34	4
9A	*Pipistrellus pygmaeus*	Sep	65	63 - 85	88	5
9A	*Pipistrellus pygmaeus*	Oct	0	63 - 85	0	1
9B	*Barbastella barbastellus*	Jul	0	0	0	1
9B	*Eptesicus serotinus*	Apr	62	28 - 62.5	68	3
9B	*Eptesicus serotinus*	Jun	57	28 - 62.5	57	1
9B	*Eptesicus serotinus*	Jul	11	28 - 62.5	22	2
9B	*Eptesicus serotinus*	Aug	34	28 - 62.5	62	3
9B	*Eptesicus serotinus*	Sep	22	28 - 62.5	22	1
9B	*Eptesicus serotinus*	Oct	0	28 - 62.5	0	2
9B	*Myotis*	Apr	22	43.5 -	22	1

				68.5		
9B	*Myotis*	May	79	43.5 - 68.5	96	5
9B	*Myotis*	Jun	0	43.5 - 68.5	0	1
9B	*Myotis*	Jul	44	43.5 - 68.5	46	4
9B	*Myotis*	Aug	60	43.5 - 68.5	65	5
9B	*Myotis*	Sep	34	43.5 - 68.5	41	3
9B	*Nyctaloid*	Aug	65	34 - 65	65	1
9B	*Nyctaloid*	Sep	34	34 - 65	34	1
9B	*Nyctaloid*	Oct	41	34 - 65	41	1
9B	*Nyctalus leisleri*	Apr	0	34.5 - 34.5	0	1
9B	*Nyctalus leisleri*	Jun	47	34.5 - 34.5	47	1
9B	*Nyctalus leisleri*	Jul	0	34.5 - 34.5	0	1
9B	*Nyctalus leisleri*	Aug	22	34.5 - 34.5	22	1
9B	*Nyctalus noctula*	Apr	41	37.5 - 55.5	51	3
9B	*Nyctalus noctula*	May	34	37.5 - 55.5	54	3
9B	*Nyctalus noctula*	Jun	57	37.5 - 55.5	73	2
9B	*Nyctalus noctula*	Jul	33	37.5 - 55.5	70	5
9B	*Nyctalus noctula*	Aug	60	37.5 - 55.5	65	3
9B	*Nyctalus noctula*	Oct	11	37.5 - 55.5	51	4
9B	*Pipistrellus pipistrellus*	Apr	74	52.5 - 85.5	83	3
9B	*Pipistrellus*	May	69	52.5 -	78	4

	pipistrellus			85.5		
9B	*Pipistrellus pipistrellus*	Jun	60	52.5 - 85.5	97	2
9B	*Pipistrellus pipistrellus*	Jul	0	52.5 - 85.5	0	2
9B	*Pipistrellus pipistrellus*	Aug	67	52.5 - 85.5	67	1
9B	*Pipistrellus pipistrellus*	Oct	97	52.5 - 85.5	97	2
9B	*Pipistrellus pygmaeus*	Apr	28	28 - 88	34	2
9B	*Pipistrellus pygmaeus*	May	34	28 - 88	77	3
9B	*Pipistrellus pygmaeus*	Sep	0	28 - 88	0	1
9B	*Pipistrellus pygmaeus*	Oct	97	28 - 88	99	3
9B	*Plecotus*	Jul	0	0	0	1
9B	*Rhinolophus hipposideros*	Jul	0	0	0	1
9C	*Barbastella barbastellus*	Aug	0	0 - 0	0	2
9C	*Eptesicus serotinus*	Apr	34	28 - 62	34	1
9C	*Eptesicus serotinus*	May	34	28 - 62	34	1
9C	*Eptesicus serotinus*	Jun	34	28 - 62	62	5
9C	*Eptesicus serotinus*	Jul	74	28 - 62	74	1
9C	*Eptesicus serotinus*	Aug	0	28 - 62	22	3
9C	*Myotis*	Apr	0	34 - 64	85	4
9C	*Myotis*	May	71	34 - 64	71	3
9C	*Myotis*	Jun	22	34 - 64	34	5
9C	*Myotis*	Jul	34	34 - 64	57	3

9C	*Myotis*	Aug	0	34 - 64	0	2
9C	*Myotis*	Sep	24	34 - 64	47	2
9C	*Nyctaloid*	Apr	51	36.5 - 61	51	1
9C	*Nyctaloid*	May	54	36.5 - 61	54	1
9C	*Nyctaloid*	Jun	65	36.5 - 61	68	4
9C	*Nyctaloid*	Jul	54	36.5 - 61	85	4
9C	*Nyctaloid*	Sep	22	36.5 - 61	22	3
9C	*Nyctaloid*	Oct	22	36.5 - 61	22	1
9C	*Nyctalus noctula*	Apr	0	28 - 48.5	0	3
9C	*Nyctalus noctula*	May	11	28 - 48.5	22	2
9C	*Nyctalus noctula*	Jun	34	28 - 48.5	47	5
9C	*Nyctalus noctula*	Jul	49	28 - 48.5	75	4
9C	*Nyctalus noctula*	Aug	11	28 - 48.5	22	4
9C	*Nyctalus noctula*	Sep	0	28 - 48.5	0	1
9C	*Nyctalus noctula*	Oct	22	28 - 48.5	47	5
9C	*Pipistrellus*	Apr	89	76 - 92	89	1
9C	*Pipistrellus*	May	100	76 - 92	100	1
9C	*Pipistrellus*	Jun	79	76 - 92	81	2
9C	*Pipistrellus*	Jul	92	76 - 92	95	2
9C	*Pipistrellus*	Aug	76	76 - 92	83	3

9C	*Pipistrellus*	Sep	82	76 - 92	95	2
9C	*Pipistrellus*	Oct	92	76 - 92	92	1
9C	*Pipistrellus pipistrellus*	Apr	88	71 - 86	100	3
9C	*Pipistrellus pipistrellus*	May	92	71 - 86	100	5
9C	*Pipistrellus pipistrellus*	Jun	80	71 - 86	83	5
9C	*Pipistrellus pipistrellus*	Jul	88	71 - 86	94	5
9C	*Pipistrellus pipistrellus*	Aug	76	71 - 86	83	5
9C	*Pipistrellus pipistrellus*	Sep	38	71 - 86	95	6
9C	*Pipistrellus pipistrellus*	Oct	92	71 - 86	98	3
9C	*Pipistrellus pygmaeus*	Apr	95	82.5 - 82.5	95	1
9C	*Pipistrellus pygmaeus*	Jul	35	82.5 - 82.5	70	2

PER SITE

In this 'Per Site' section of the analysis, all values are taken from across all of the detectors to provide site-wide averages/medians.

Table 7. Summary table showing the number of nights recorded bat activity fell into each activity band for each species.

Species/Species Group	Nights of High Activity	Nights of Moderate/ High Activity	Nights of Moderate Activity	Nights of Low/ Moderate Activity	Nights of Low Activity
Barbastella barbastellus	3	6	29	64	100
Eptesicus serotinus	23	104	145	171	150
Myotis	42	131	166	150	143
Nyctaloid	70	156	116	43	13
Nyctalus	5	3	7	6	3
Nyctalus leisleri	8	14	36	52	98
Nyctalus noctula	40	151	256	161	179
Pipistrellus	184	33	7	4	1
Pipistrellus nathusii	3	4	15	28	51
Pipistrellus pipistrellus	441	212	116	65	48
Pipistrellus pygmaeus	82	109	109	78	67
Plecotus	0	0	3	10	14
Rhinolophus ferrumequinum	0	0	0	3	4
Rhinolophus hipposideros	0	2	3	9	18

Table 8. Summary table showing key metrics for each species recorded.

Species/Species Group	Median Percentile	95% CIs	Max Percentile	Nights Recorded
Barbastella barbastellus	22	34 - 64	96	202
Eptesicus serotinus	34	51 - 70.5	97	593
Myotis	41	66.5 - 83.5	99	632
Nyctaloid	65	69 - 83	94	398
Nyctalus	49	40.5 - 67	88	24
Nyctalus leisleri	22	78.5 - 87	95	208
Nyctalus noctula	41	57.5 - 72	88	787
Pipistrellus	91	98.5 - 98.5	100	229
Pipistrellus nathusii	0	47 - 78	93	101
Pipistrellus pipistrellus	80	88.5 - 93.5	100	882
Pipistrellus pygmaeus	54	82.5 - 82.5	99	445
Plecotus	0	28 - 40.5	47	27
Rhinolophus ferrumequinum	0	0 - 0	22	7
Rhinolophus hipposideros	0	28 - 57	67	32

###Figures

Figure 4. The activity level (percentile) of bats recorded across each night of the bat survey for the **entire site**.

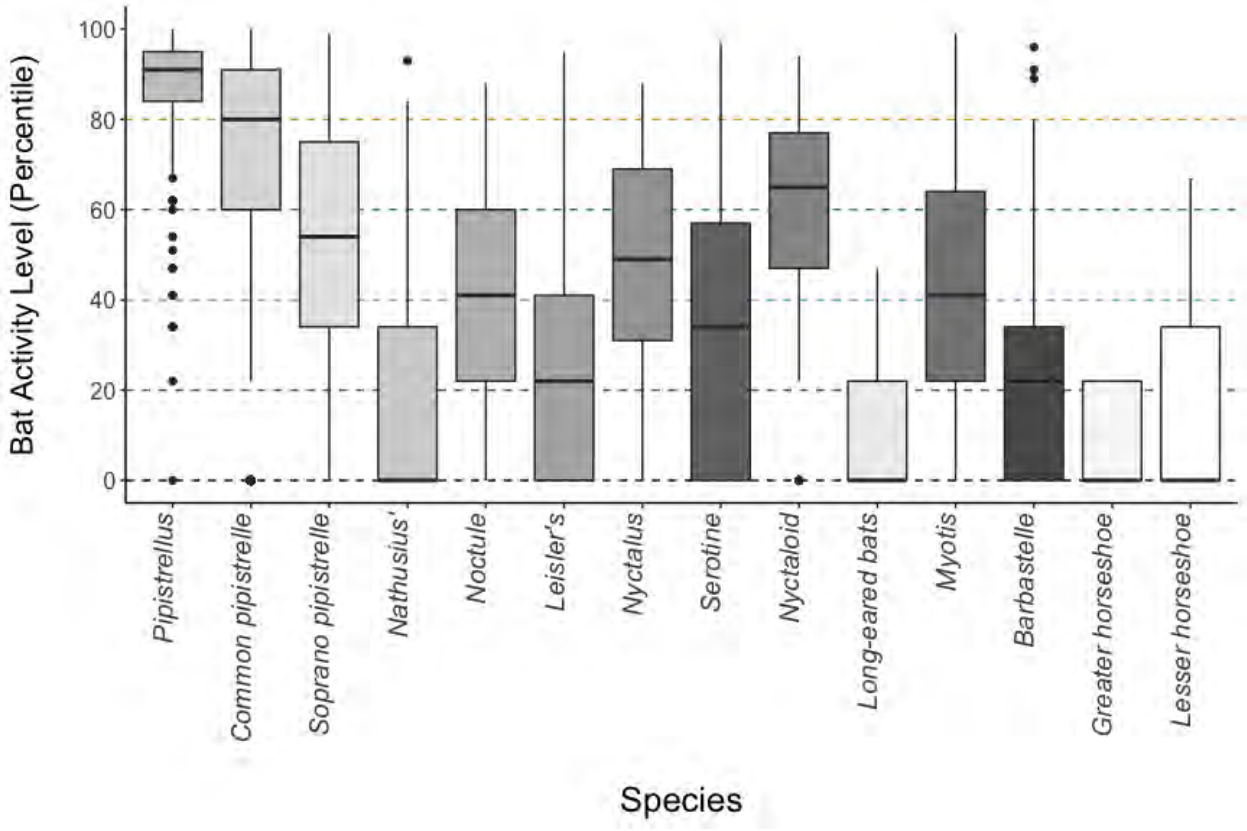
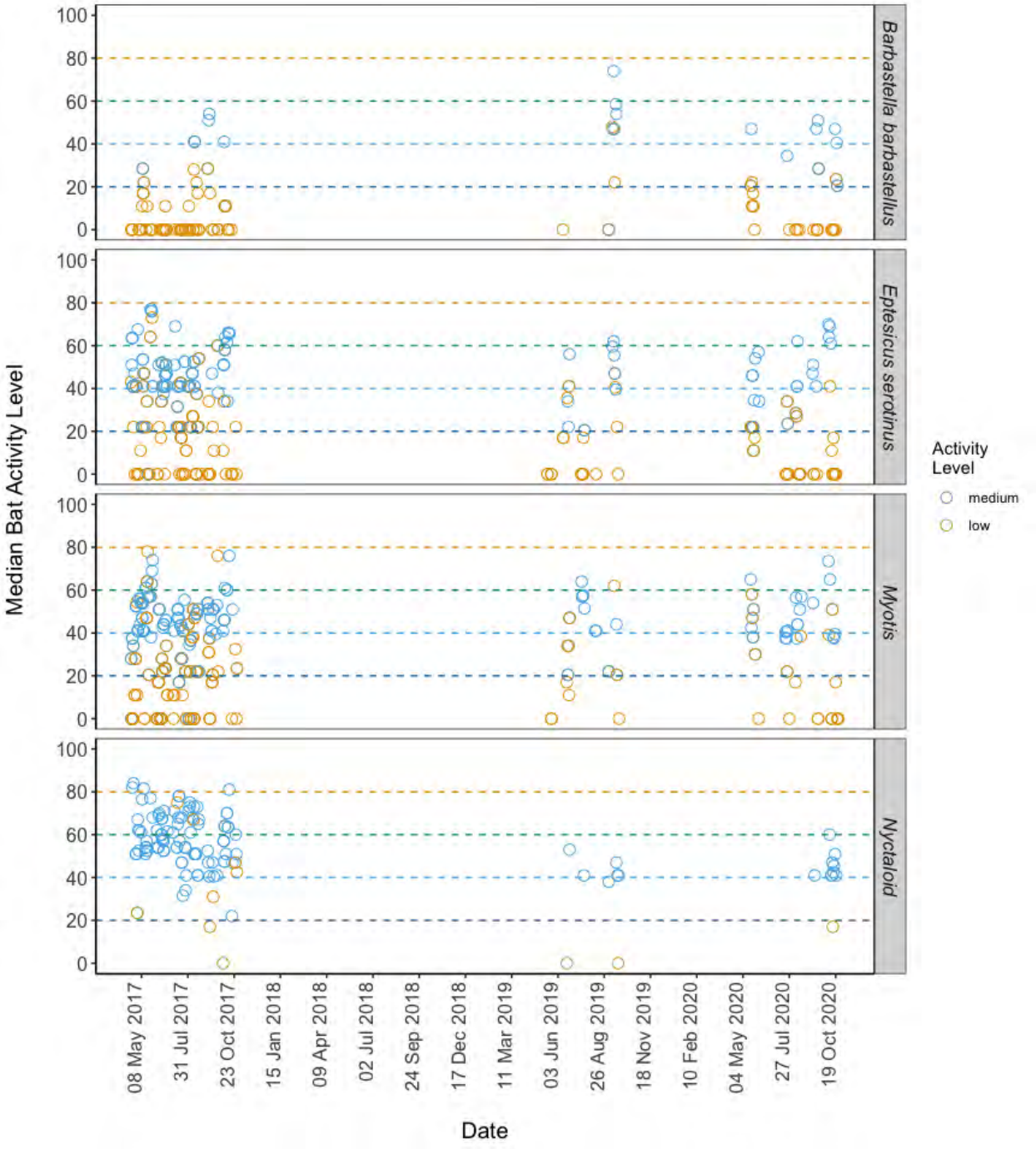
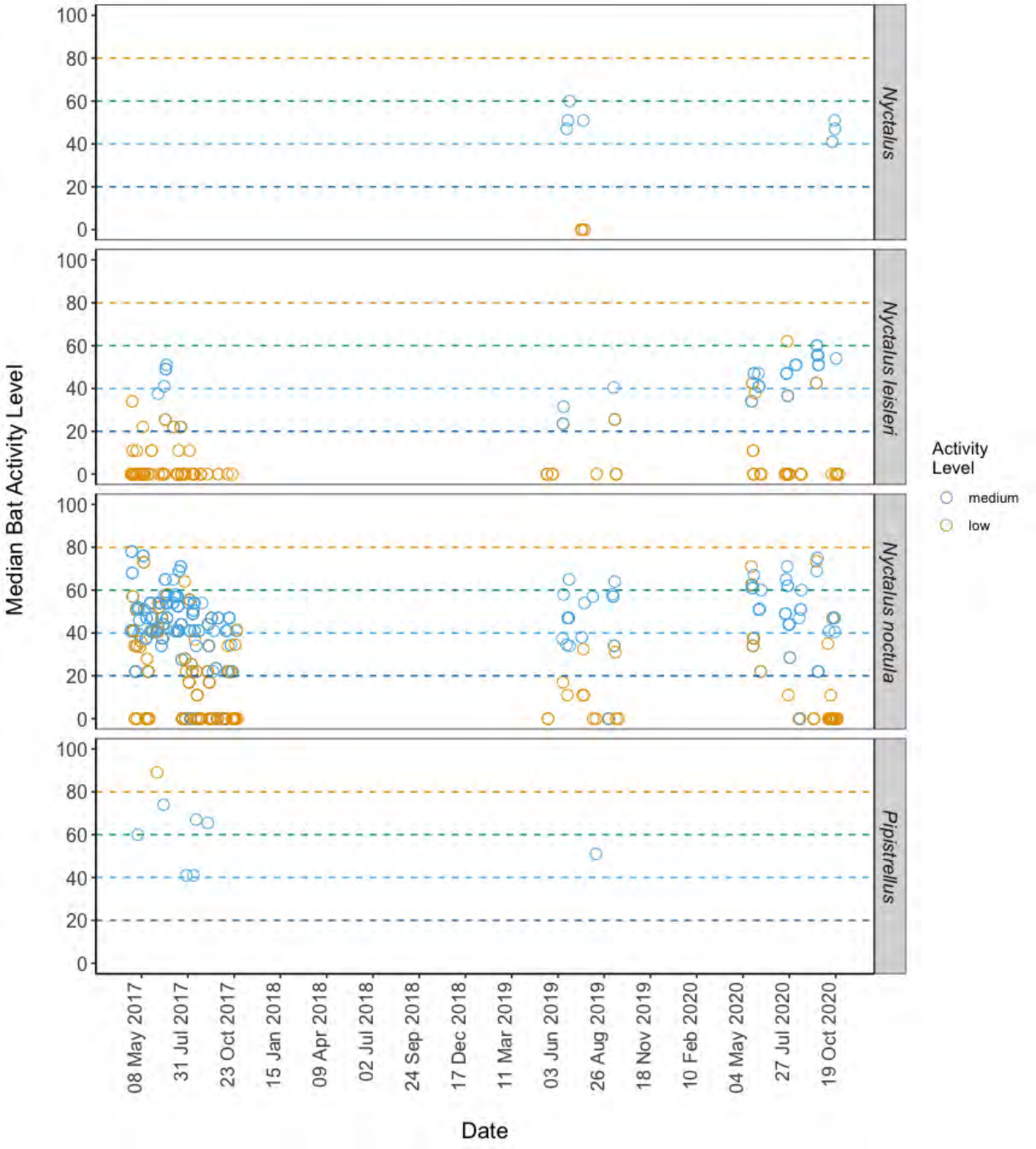
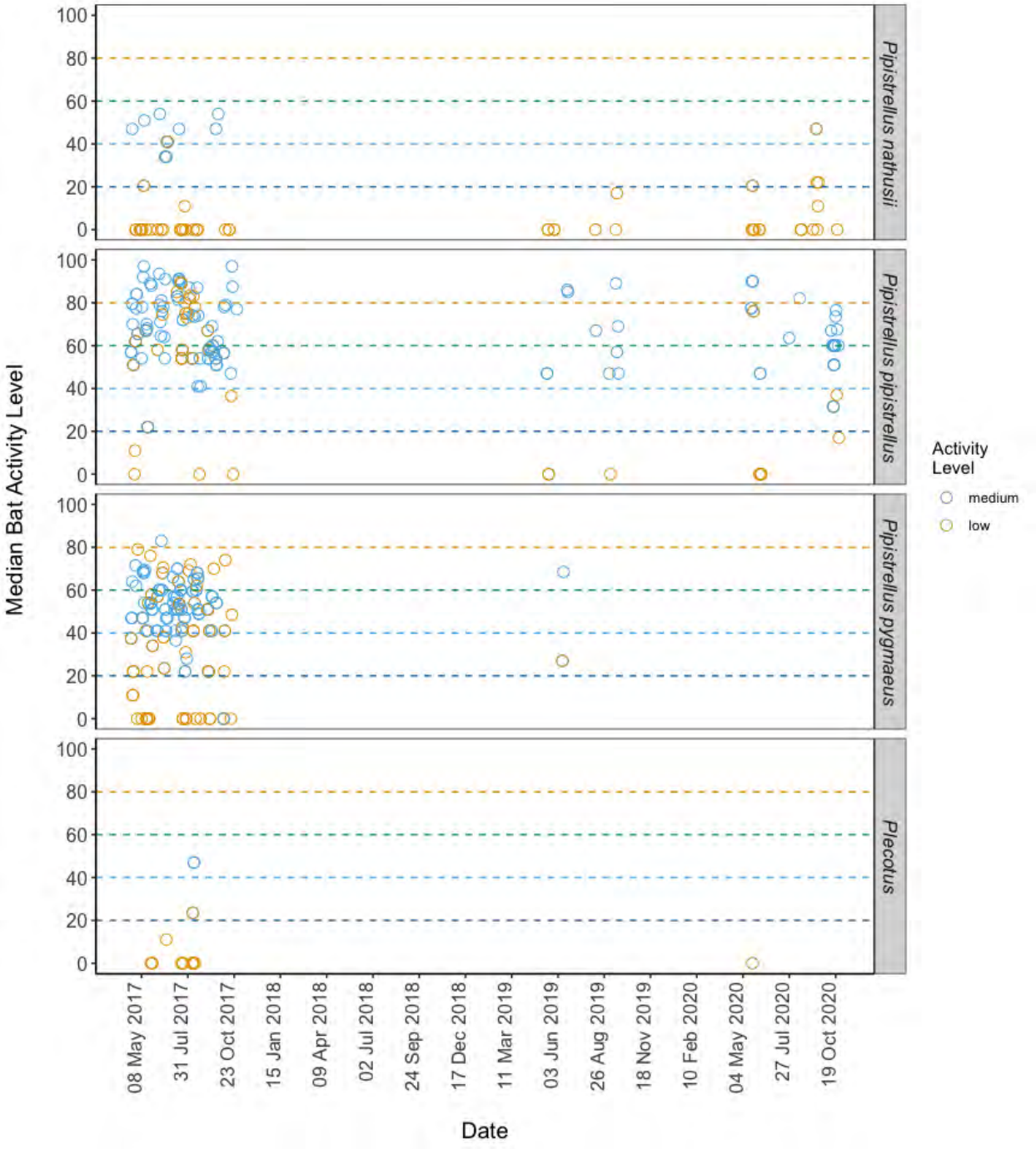
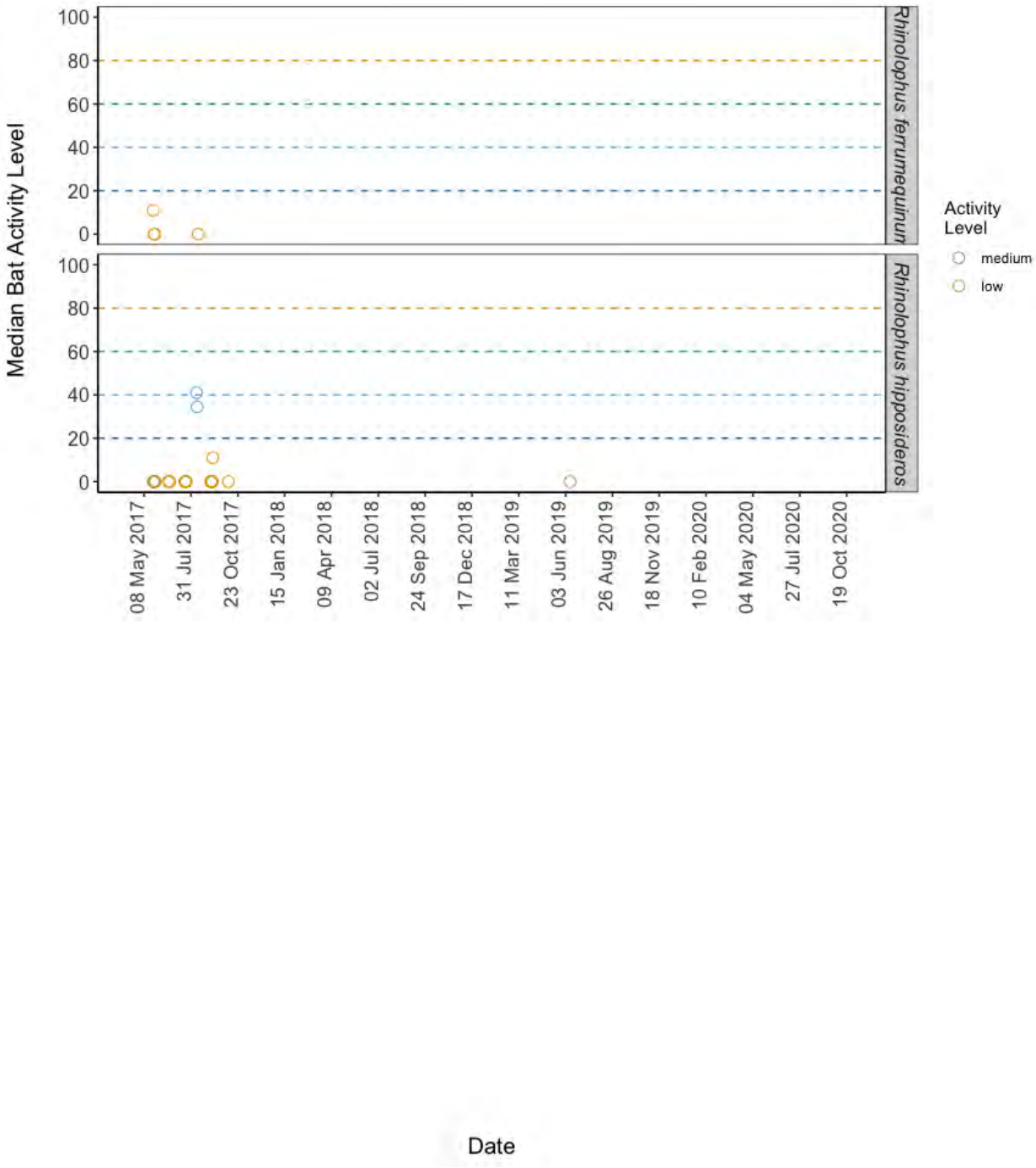


Figure 5. The median activity levels of bats recorded across all detectors each night.


Median Bat Activity Level
100
80
60
40
20
0
Barbastella barbastellus
Eptesicus serotinus
Myotis
Nyctaloid
Activity Level
medium
low
08 May 2017
31 Jul 2017
23 Oct 2017
15 Jan 2018
09 Apr 2018
02 Jul 2018
24 Sep 2018
17 Dec 2018
11 Mar 2019
03 Jun 2019
26 Aug 2019
18 Nov 2019
10 Feb 2020
04 May 2020
27 Jul 2020
19 Oct 2020
Date


Median Bat Activity Level
100
80
60
40
20
0
Nyctalus
Nyctalus leisleri
Nyctalus noctula
Pipistrellus
Activity Level
medium
low
08 May 2017
31 Jul 2017
23 Oct 2017
15 Jan 2018
09 Apr 2018
02 Jul 2018
24 Sep 2018
17 Dec 2018
11 Mar 2019
03 Jun 2019
26 Aug 2019
18 Nov 2019
10 Feb 2020
04 May 2020
27 Jul 2020
19 Oct 2020
Date


Median Bat Activity Level
100
80
60
40
20
0
Pipistrellus nathusii
Pipistrellus pipistrellus
Pipistrellus pygmaeus
Plecotus
08 May 2017
31 Jul 2017
23 Oct 2017
15 Jan 2018
09 Apr 2018
02 Jul 2018
24 Sep 2018
17 Dec 2018
11 Mar 2019
03 Jun 2019
26 Aug 2019
18 Nov 2019
10 Feb 2020
04 May 2020
27 Jul 2020
19 Oct 2020
Date
Activity Level
medium
low


Median Bat Activity Level
100
80
60
40
20
0
Rhinolophus ferrumequinum
Rhinolophus hipposideros
Activity Level
medium
low
08 May 2017
31 Jul 2017
23 Oct 2017
15 Jan 2018
09 Apr 2018
02 Jul 2018
24 Sep 2018
17 Dec 2018
11 Mar 2019
03 Jun 2019
26 Aug 2019
18 Nov 2019
10 Feb 2020
04 May 2020
27 Jul 2020
19 Oct 2020
Date

PER SITE, PER MONTH

Table 9. Summary table showing the number of nights recorded bat activity fell into each activity band for each species during each month.

Species/Species Group	Month	Nights of High Activity	Nights of Moderate/ High Activity	Nights of Moderate Activity	Nights of Low/ Moderate Activity	Nights of Low Activity
Barbastella barbastellus	Apr	0	0	0	1	5
Barbastella barbastellus	May	0	0	6	17	23
Barbastella barbastellus	Jun	0	0	0	6	11
Barbastella barbastellus	Jul	0	1	2	4	12
Barbastella barbastellus	Aug	0	3	2	12	17
Barbastella barbastellus	Sep	3	2	12	13	17
Barbastella barbastellus	Oct	0	0	7	11	15
Eptesicus serotinus	Apr	1	14	10	8	6
Eptesicus serotinus	May	10	22	26	42	31
Eptesicus serotinus	Jun	0	13	27	19	14
Eptesicus serotinus	Jul	3	15	19	34	34
Eptesicus serotinus	Aug	0	16	32	25	29
Eptesicus serotinus	Sep	1	8	12	24	18
Eptesicus serotinus	Oct	8	16	19	19	18
Myotis	Apr	3	4	9	15	16
Myotis	May	15	28	38	23	21
Myotis	Jun	1	7	24	21	28

Myotis	Jul	5	16	33	34	18
Myotis	Aug	5	17	25	19	28
Myotis	Sep	4	28	22	19	18
Myotis	Oct	9	31	15	19	14
Nyctaloid	Apr	9	5	6	5	1
Nyctaloid	May	18	26	16	5	0
Nyctaloid	Jun	4	35	23	2	1
Nyctaloid	Jul	17	28	19	8	1
Nyctaloid	Aug	7	38	16	3	2
Nyctaloid	Sep	6	11	11	11	3
Nyctaloid	Oct	9	13	25	9	5
Nyctalus	Jun	0	2	3	0	0
Nyctalus	Jul	0	0	1	2	3
Nyctalus	Aug	5	0	0	0	0
Nyctalus	Oct	0	1	3	4	0
Nyctalus leisleri	Apr	0	1	0	5	14
Nyctalus leisleri	May	4	3	4	16	29
Nyctalus leisleri	Jun	0	0	11	6	8
Nyctalus leisleri	Jul	0	3	7	8	23
Nyctalus leisleri	Aug	0	3	2	7	11
Nyctalus leisleri	Sep	0	1	11	7	6
Nyctalus leisleri	Oct	4	3	1	3	7
Nyctalus noctula	Apr	3	8	18	9	12
Nyctalus noctula	May	13	49	43	41	27
Nyctalus noctula	Jun	4	25	60	26	14
Nyctalus noctula	Jul	5	40	50	26	23
Nyctalus noctula	Aug	11	12	39	16	28
Nyctalus noctula	Sep	3	14	26	18	27
Nyctalus noctula	Oct	1	3	20	25	48
Pipistrellus	Apr	5	0	0	0	0
Pipistrellus	May	50	7	1	1	0
Pipistrellus	Jun	29	4	1	0	1
Pipistrellus	Jul	26	3	1	0	0
Pipistrellus	Aug	27	4	3	1	0
Pipistrellus	Sep	35	6	1	1	0
Pipistrellus	Oct	12	9	0	1	0

Pipistrellus nathusii	Apr	0	0	1	2	2
Pipistrellus nathusii	May	1	1	3	5	16
Pipistrellus nathusii	Jun	2	1	7	10	7
Pipistrellus nathusii	Jul	0	0	1	2	7
Pipistrellus nathusii	Aug	0	0	0	1	7
Pipistrellus nathusii	Sep	0	2	3	8	8
Pipistrellus nathusii	Oct	0	0	0	0	4
Pipistrellus pipistrellus	Apr	19	17	12	6	4
Pipistrellus pipistrellus	May	103	48	19	10	8
Pipistrellus pipistrellus	Jun	74	27	14	6	6
Pipistrellus pipistrellus	Jul	90	31	15	11	11
Pipistrellus pipistrellus	Aug	68	29	12	8	8
Pipistrellus pipistrellus	Sep	45	33	19	8	5
Pipistrellus pipistrellus	Oct	42	27	25	16	6
Pipistrellus pygmaeus	Apr	9	5	9	11	6
Pipistrellus pygmaeus	May	17	20	19	18	16
Pipistrellus pygmaeus	Jun	18	17	20	14	7
Pipistrellus pygmaeus	Jul	7	18	31	15	12
Pipistrellus pygmaeus	Aug	10	30	17	15	9
Pipistrellus pygmaeus	Sep	6	13	11	3	10

Pipistrellus pygmaeus	Oct	15	6	2	2	7
Plecotus	May	0	0	0	4	4
Plecotus	Jun	0	0	0	2	1
Plecotus	Jul	0	0	0	0	3
Plecotus	Aug	0	0	3	3	6
Plecotus	Oct	0	0	0	1	0
Rhinolophus ferrumequinum	May	0	0	0	1	3
Rhinolophus ferrumequinum	Aug	0	0	0	1	1
Rhinolophus ferrumequinum	Sep	0	0	0	1	0
Rhinolophus hipposideros	May	0	0	1	2	4
Rhinolophus hipposideros	Jun	0	0	0	2	3
Rhinolophus hipposideros	Jul	0	0	0	0	4
Rhinolophus hipposideros	Aug	0	1	2	2	0
Rhinolophus hipposideros	Sep	0	0	0	3	6
Rhinolophus hipposideros	Oct	0	1	0	0	1

Table 10. Summary table showing key metrics for each species recorded per month.

Species/Species Group	Month	Median Percentile	95% CIs	Max Percentile	Nights Recorded
Barbastella barbastellus	Apr	0	34 - 34	22	6
Barbastella barbastellus	May	11	34 - 64	57	46
Barbastella barbastellus	Jun	0	34 - 64	34	17
Barbastella barbastellus	Jul	0	34 - 64	62	19
Barbastella barbastellus	Aug	11	34 - 64	72	34
Barbastella barbastellus	Sep	22	34 - 51	96	47
Barbastella barbastellus	Oct	22	34 - 64	51	33
Eptesicus serotinus	Apr	41	45.5 - 67	83	39
Eptesicus serotinus	May	34	51 - 70.5	97	131
Eptesicus serotinus	Jun	41	45.5 - 67	80	73
Eptesicus serotinus	Jul	22	51 - 70.5	84	105
Eptesicus serotinus	Aug	34	51 - 70.5	79	102
Eptesicus serotinus	Sep	34	51 - 70.5	81	63
Eptesicus serotinus	Oct	47	51 - 70.5	93	80
Myotis	Apr	22	49.5 - 77.5	99	47
Myotis	May	51	66.5 - 83.5	98	125
Myotis	Jun	34	56 - 88	82	81
Myotis	Jul	41	66.5 - 83.5	94	106

Myotis	Aug	38	66.5 - 83.5	90	94
Myotis	Sep	47	51 - 67	87	91
Myotis	Oct	56	66.5 - 83.5	98	88
Nyctaloid	Apr	73	59.5 - 85	90	26
Nyctaloid	May	72	69 - 83	92	65
Nyctaloid	Jun	64	69 - 83	88	65
Nyctaloid	Jul	68	69 - 83	91	73
Nyctaloid	Aug	68	69 - 83	91	66
Nyctaloid	Sep	47	61.5 - 78	88	42
Nyctaloid	Oct	51	69 - 83	94	61
Nyctalus	Jun	60	40.5 - 67	75	5
Nyctalus	Jul	17	40.5 - 67	51	6
Nyctalus	Aug	83	31.5 - 86	88	5
Nyctalus	Oct	38	31.5 - 86	65	8
Nyctalus leisleri	Apr	0	38 - 92	64	20
Nyctalus leisleri	May	0	44 - 44	95	56
Nyctalus leisleri	Jun	22	44 - 44	57	25
Nyctalus leisleri	Jul	0	40.5 - 55.5	65	41
Nyctalus leisleri	Aug	22	36.5 - 55.5	70	23
Nyctalus leisleri	Sep	34	40.5 - 55.5	67	25
Nyctalus leisleri	Oct	22	78.5 - 87	90	18
Nyctalus noctula	Apr	41	53 - 72	88	50
Nyctalus noctula	May	47	57.5 - 72	88	173
Nyctalus noctula	Jun	47	57.5 - 72	84	129
Nyctalus noctula	Jul	47	57.5 -	85	144

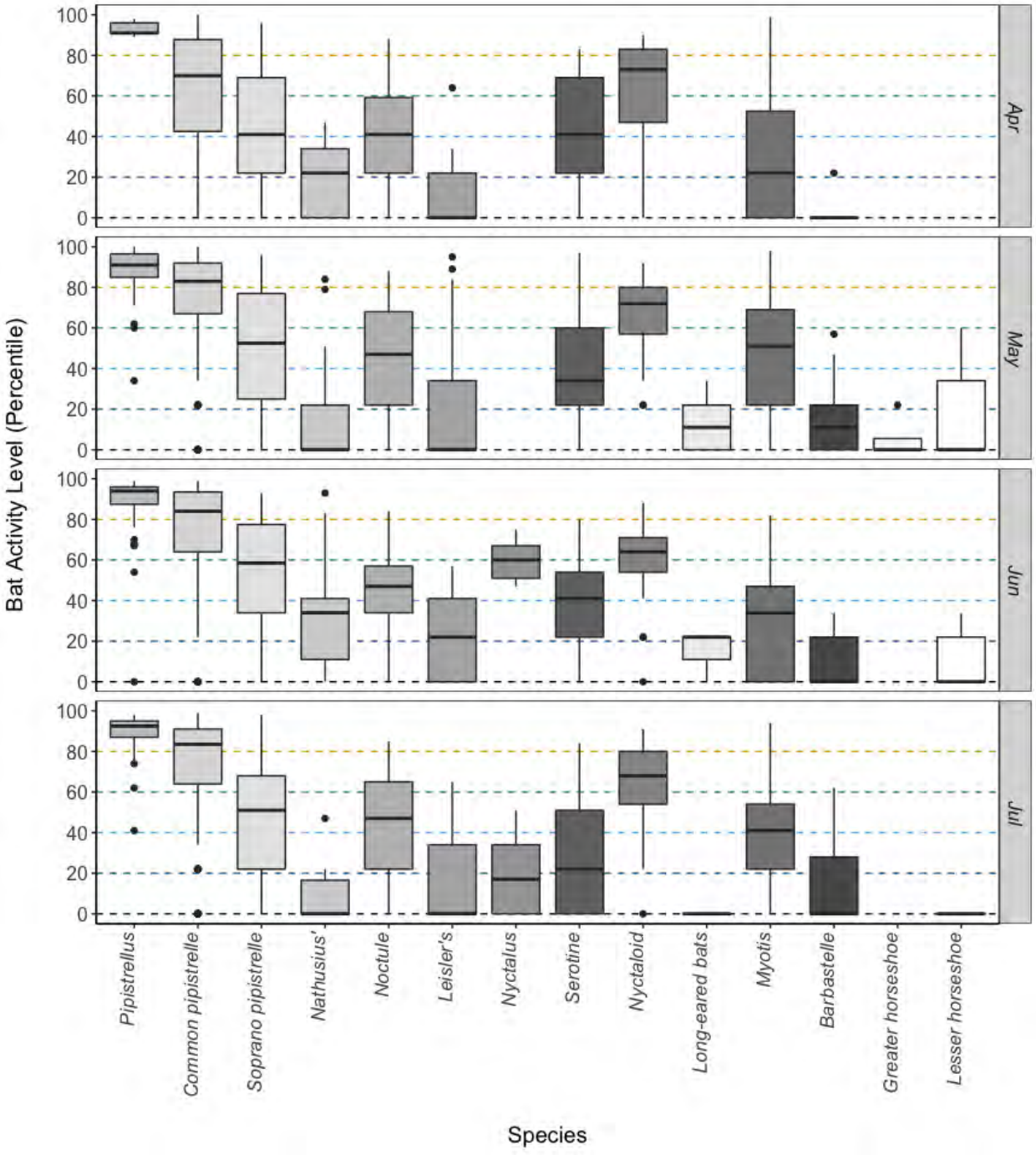
			72		
Nyctalus noctula	Aug	47	57.5 - 72	88	106
Nyctalus noctula	Sep	34	57.5 - 72	88	88
Nyctalus noctula	Oct	22	57.5 - 72	83	97
Pipistrellus	Apr	91	94 - 98.5	98	5
Pipistrellus	May	91	98.5 - 98.5	100	59
Pipistrellus	Jun	94	94 - 98.5	99	35
Pipistrellus	Jul	93	93 - 96.5	98	30
Pipistrellus	Aug	89	94 - 98.5	99	35
Pipistrellus	Sep	88	94 - 97.5	99	43
Pipistrellus	Oct	84	94 - 97.5	100	22
Pipistrellus nathusii	Apr	22	22 - 44	47	5
Pipistrellus nathusii	May	0	41 - 84	84	26
Pipistrellus nathusii	Jun	34	41 - 41	93	27
Pipistrellus nathusii	Jul	0	41 - 84	47	10
Pipistrellus nathusii	Aug	0	47 - 78	22	8
Pipistrellus nathusii	Sep	22	47 - 78	78	21
Pipistrellus nathusii	Oct	0	34 - 44	0	4
Pipistrellus pipistrellus	Apr	70	84 - 92.5	100	58
Pipistrellus pipistrellus	May	83	88.5 - 93.5	100	188
Pipistrellus pipistrellus	Jun	84	88.5 - 93.5	99	127
Pipistrellus pipistrellus	Jul	84	88.5 - 93.5	99	158
Pipistrellus pipistrellus	Aug	82	88.5 - 93.5	99	125
Pipistrellus pipistrellus	Sep	76	88.5 - 93.5	99	110

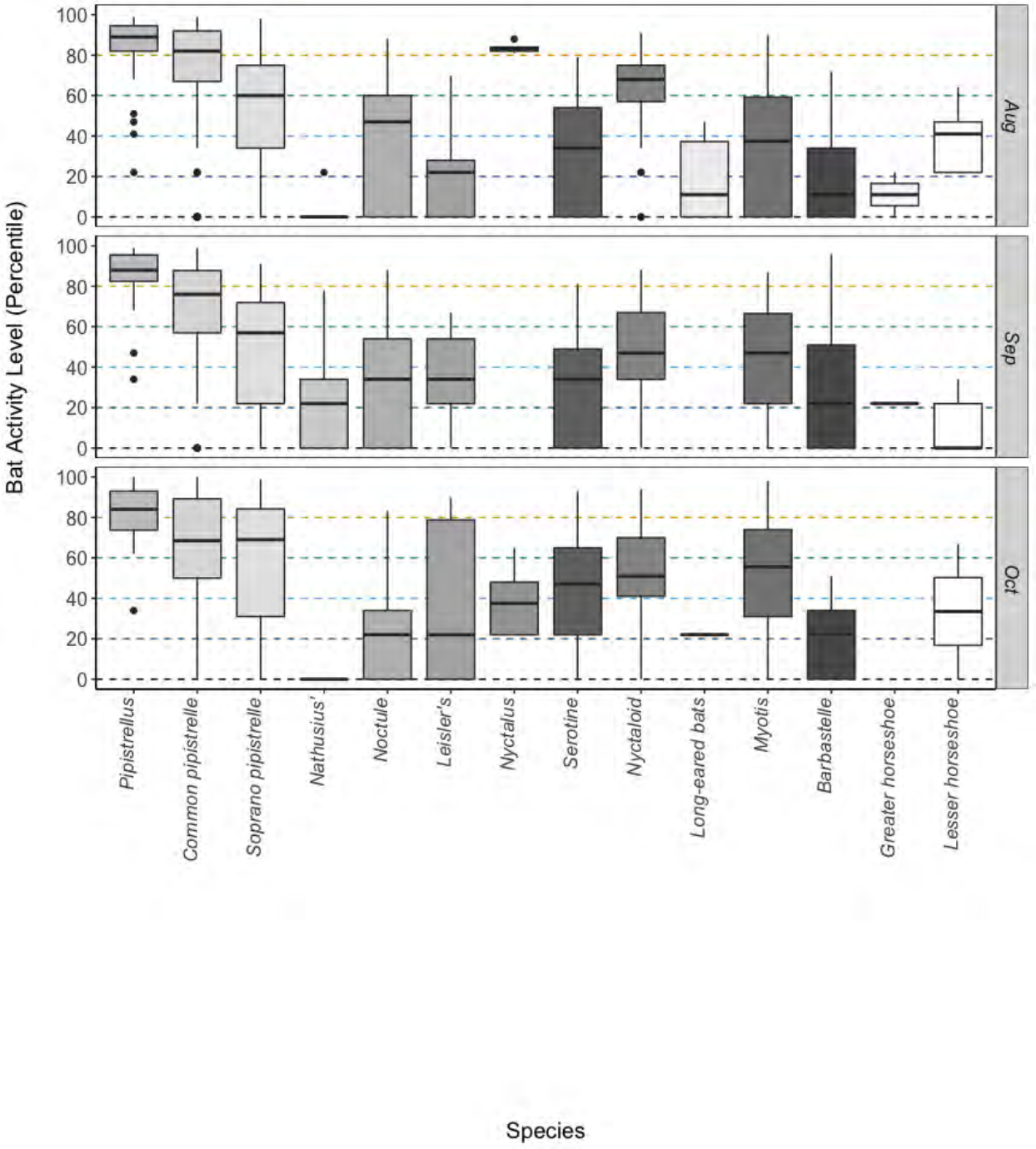
Pipistrellus pipistrellus	Oct	69	88.5 - 93.5	100	116
Pipistrellus pygmaeus	Apr	41	82.5 - 82.5	96	40
Pipistrellus pygmaeus	May	53	75.5 - 85	96	90
Pipistrellus pygmaeus	Jun	59	75.5 - 85	93	76
Pipistrellus pygmaeus	Jul	51	82.5 - 82.5	98	83
Pipistrellus pygmaeus	Aug	60	75.5 - 85	98	81
Pipistrellus pygmaeus	Sep	57	80 - 91	91	43
Pipistrellus pygmaeus	Oct	69	75.5 - 85	99	32
Plecotus	May	11	28 - 40.5	34	8
Plecotus	Jun	22	28 - 40.5	22	3
Plecotus	Jul	0	28 - 40.5	0	3
Plecotus	Aug	11	28 - 40.5	47	12
Plecotus	Oct	22	28 - 40.5	22	1
Rhinolophus ferrumequinum	May	0	0 - 0	22	4
Rhinolophus ferrumequinum	Aug	11	0 - 0	22	2
Rhinolophus ferrumequinum	Sep	22	0	22	1
Rhinolophus hipposideros	May	0	28 - 57	60	7
Rhinolophus hipposideros	Jun	0	28 - 57	34	5
Rhinolophus hipposideros	Jul	0	28 - 57	0	4
Rhinolophus hipposideros	Aug	41	28 - 57	64	5
Rhinolophus	Sep	0	28 - 57	34	9

hipposideros					
Rhinolophus hipposideros	Oct	34	28 - 57	67	2

###Figures

Figure 6. The activity level (percentile) of bats recorded across each night of the bat survey for the entire site, split between months.


Bat Activity Level (Percentile)
100
80
60
40
20
0
Apr
May
Jun
Jul
Pipistrellus
Common pipistrelle
Soprano pipistrelle
Nathusius'
Noctule
Leisler's
Nyctalus
Serotine
Nyctaloid
Long-eared bats
Myotis
Barbastelle
Greater horseshoe
Lesser horseshoe
Species


Bat Activity Level (Percentile)
100
80
60
40
20
0
Aug
Sep
Oct
Pipistrellus
Common pipistrelle
Soprano pipistrelle
Nathusius'
Noctule
Leisler's
Nyctalus
Serotine
Nyctaloid
Long-eared bats
Myotis
Barbastelle
Greater horseshoe
Lesser horseshoe
Species

PART 2: Nightly Analysis

ENTIRE SURVEY PERIOD

Sunrise and Sunset Times

Table 11. The times of sunset and sunrise the following morning for surveys beginning on the date shown.

Night (y-m-d)	Sunset (hh:mm)	Sunrise (hh:mm)	Night Length (hours)
2017-04-19	20:14	06:07	9.9
2017-04-20	20:16	06:05	9.8
2017-04-21	20:17	06:03	9.8
2017-04-22	20:19	06:01	9.7
2017-04-23	20:21	05:59	9.6
2017-04-25	20:24	05:55	9.5
2017-04-26	20:26	05:53	9.5
2017-04-27	20:27	05:52	9.4
2017-04-28	20:29	05:50	9.3
2017-04-29	20:30	05:48	9.3
2017-04-30	20:32	05:46	9.2
2017-05-01	20:34	05:44	9.2
2017-05-02	20:35	05:42	9.1
2017-05-03	20:37	05:41	9.1
2017-05-04	20:38	05:39	9.0
2017-05-05	20:40	05:37	9.0
2017-05-06	20:42	05:35	8.9
2017-05-07	20:43	05:34	8.8
2017-05-08	20:45	05:32	8.8
2017-05-09	20:46	05:31	8.7
2017-05-10	20:48	05:29	8.7
2017-05-11	20:49	05:27	8.6
2017-05-12	20:51	05:26	8.6
2017-05-13	20:52	05:24	8.5
2017-05-14	20:54	05:23	8.5
2017-05-15	20:55	05:22	8.4
2017-05-16	20:57	05:20	8.4

2017-05-17	20:58	05:19	8.3
2017-05-18	21:00	05:18	8.3
2017-05-19	21:01	05:16	8.2
2017-05-20	21:03	05:15	8.2
2017-05-21	21:04	05:14	8.2
2017-05-22	21:05	05:13	8.1
2017-05-23	21:07	05:12	8.1
2017-05-24	21:08	05:10	8.0
2017-05-25	21:09	05:09	8.0
2017-05-26	21:11	05:08	8.0
2017-05-27	21:12	05:07	7.9
2017-05-28	21:13	05:07	7.9
2017-06-05	21:22	05:01	7.7
2017-06-06	21:22	05:00	7.6
2017-06-07	21:23	05:00	7.6
2017-06-08	21:24	04:59	7.6
2017-06-09	21:25	04:59	7.6
2017-06-10	21:26	04:59	7.6
2017-06-11	21:26	04:58	7.5
2017-06-12	21:27	04:58	7.5
2017-06-13	21:28	04:58	7.5
2017-06-14	21:28	04:58	7.5
2017-06-15	21:29	04:58	7.5
2017-06-16	21:29	04:58	7.5
2017-06-17	21:30	04:58	7.5
2017-06-18	21:30	04:58	7.5
2017-06-19	21:30	04:58	7.5
2017-06-20	21:31	04:58	7.5
2017-06-21	21:31	04:59	7.5
2017-06-22	21:31	04:59	7.5
2017-06-23	21:31	04:59	7.5
2017-06-24	21:31	05:00	7.5
2017-07-03	21:30	05:05	7.6
2017-07-04	21:29	05:06	7.6
2017-07-05	21:29	05:07	7.6
2017-07-06	21:28	05:07	7.7

2017-07-07	21:28	05:08	7.7
2017-07-08	21:27	05:09	7.7
2017-07-09	21:26	05:10	7.7
2017-07-11	21:25	05:12	7.8
2017-07-12	21:24	05:13	7.8
2017-07-13	21:23	05:15	7.9
2017-07-14	21:22	05:16	7.9
2017-07-15	21:21	05:17	7.9
2017-07-16	21:20	05:18	8.0
2017-07-17	21:19	05:19	8.0
2017-07-18	21:18	05:21	8.0
2017-07-19	21:17	05:22	8.1
2017-07-20	21:16	05:23	8.1
2017-07-21	21:15	05:24	8.2
2017-07-22	21:14	05:26	8.2
2017-07-25	21:10	05:30	8.3
2017-07-26	21:08	05:31	8.4
2017-07-27	21:07	05:33	8.4
2017-07-28	21:06	05:34	8.5
2017-07-29	21:04	05:36	8.5
2017-07-30	21:03	05:37	8.6
2017-08-01	21:00	05:40	8.7
2017-08-02	20:58	05:42	8.7
2017-08-03	20:56	05:43	8.8
2017-08-04	20:55	05:45	8.8
2017-08-05	20:53	05:46	8.9
2017-08-06	20:51	05:48	8.9
2017-08-08	20:48	05:51	9.0
2017-08-09	20:46	05:52	9.1
2017-08-10	20:44	05:54	9.2
2017-08-11	20:42	05:55	9.2
2017-08-12	20:40	05:57	9.3
2017-08-13	20:39	05:58	9.3
2017-08-14	20:37	06:00	9.4
2017-08-15	20:35	06:02	9.4
2017-08-16	20:33	06:03	9.5

2017-08-17	20:31	06:05	9.6
2017-08-18	20:29	06:06	9.6
2017-08-19	20:27	06:08	9.7
2017-08-20	20:25	06:09	9.7
2017-08-21	20:23	06:11	9.8
2017-08-22	20:21	06:13	9.9
2017-08-23	20:19	06:14	9.9
2017-08-24	20:17	06:16	10.0
2017-08-25	20:15	06:17	10.0
2017-08-26	20:12	06:19	10.1
2017-09-05	19:51	06:34	10.7
2017-09-06	19:48	06:36	10.8
2017-09-07	19:46	06:37	10.9
2017-09-08	19:44	06:39	10.9
2017-09-09	19:42	06:40	11.0
2017-09-10	19:39	06:42	11.0
2017-09-12	19:35	06:45	11.2
2017-09-13	19:33	06:47	11.2
2017-09-14	19:30	06:48	11.3
2017-09-15	19:28	06:50	11.4
2017-09-16	19:26	06:51	11.4
2017-09-17	19:23	06:53	11.5
2017-09-20	19:17	06:57	11.7
2017-09-21	19:14	06:59	11.7
2017-09-22	19:12	07:01	11.8
2017-09-23	19:10	07:02	11.9
2017-09-24	19:07	07:04	11.9
2017-10-03	18:47	07:18	12.5
2017-10-04	18:45	07:20	12.6
2017-10-05	18:43	07:21	12.6
2017-10-06	18:40	07:23	12.7
2017-10-07	18:38	07:24	12.8
2017-10-08	18:36	07:26	12.8
2017-10-10	18:32	07:29	13.0
2017-10-11	18:29	07:31	13.0
2017-10-12	18:27	07:33	13.1

2017-10-13	18:25	07:34	13.2
2017-10-14	18:23	07:36	13.2
2017-10-17	18:17	07:41	13.4
2017-10-18	18:15	07:43	13.5
2017-10-19	18:13	07:44	13.5
2017-10-20	18:11	07:46	13.6
2017-10-21	18:09	07:48	13.7
2017-10-22	18:07	07:49	13.7
2017-10-24	18:03	07:53	13.8
2017-10-25	18:01	07:55	13.9
2017-10-26	17:59	07:56	14.0
2017-10-27	17:57	07:58	14.0
2017-10-28	17:55	07:00	14.1
2017-10-29	16:53	07:01	14.1
2019-05-14	20:53	05:24	8.5
2019-05-15	20:55	05:22	8.5
2019-05-16	20:56	05:21	8.4
2019-05-17	20:58	05:20	8.4
2019-05-18	20:59	05:18	8.3
2019-05-19	21:01	05:17	8.3
2019-05-21	21:03	05:14	8.2
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2019-05-23	21:06	05:12	8.1
2019-05-24	21:07	05:11	8.1
2019-05-25	21:09	05:10	8.0
2019-05-26	21:10	05:09	8.0
2019-05-27	21:11	05:08	7.9
2019-06-11	21:26	04:59	7.5
2019-06-12	21:27	04:58	7.5
2019-06-13	21:27	04:58	7.5
2019-06-18	21:30	04:58	7.5
2019-06-19	21:30	04:58	7.5
2019-06-20	21:30	04:58	7.5
2019-06-21	21:31	04:58	7.5
2019-06-22	21:31	04:59	7.5
2019-06-23	21:31	04:59	7.5

2019-06-24	21:31	04:59	7.5
2019-07-15	21:22	05:16	7.9
2019-07-16	21:21	05:17	7.9
2019-07-17	21:20	05:19	8.0
2019-07-18	21:19	05:20	8.0
2019-07-19	21:18	05:21	8.1
2019-07-20	21:17	05:22	8.1
2019-07-21	21:16	05:24	8.1
2019-08-05	20:54	05:45	8.9
2019-08-06	20:52	05:47	8.9
2019-08-09	20:47	05:51	9.1
2019-08-10	20:45	05:53	9.1
2019-08-11	20:43	05:55	9.2
2019-08-12	20:41	05:56	9.2
2019-09-03	19:56	06:30	10.6
2019-09-04	19:54	06:32	10.6
2019-09-06	19:50	06:35	10.8
2019-09-10	19:41	06:41	11.0
2019-09-11	19:38	06:43	11.1
2019-09-12	19:36	06:44	11.1
2019-09-13	19:34	06:46	11.2
2019-09-14	19:32	06:47	11.3
2019-09-15	19:29	06:49	11.3
2019-09-16	19:27	06:50	11.4
2019-09-17	19:25	06:52	11.5
2019-09-18	19:22	06:54	11.5
2019-09-19	19:20	06:55	11.6
2019-09-20	19:18	06:57	11.6
2019-09-21	19:16	06:58	11.7
2019-09-22	19:13	07:00	11.8
2020-05-18	21:00	05:17	8.3
2020-05-19	21:02	05:16	8.2
2020-05-20	21:03	05:15	8.2
2020-05-21	21:04	05:14	8.2
2020-05-22	21:06	05:12	8.1
2020-05-23	21:07	05:11	8.1

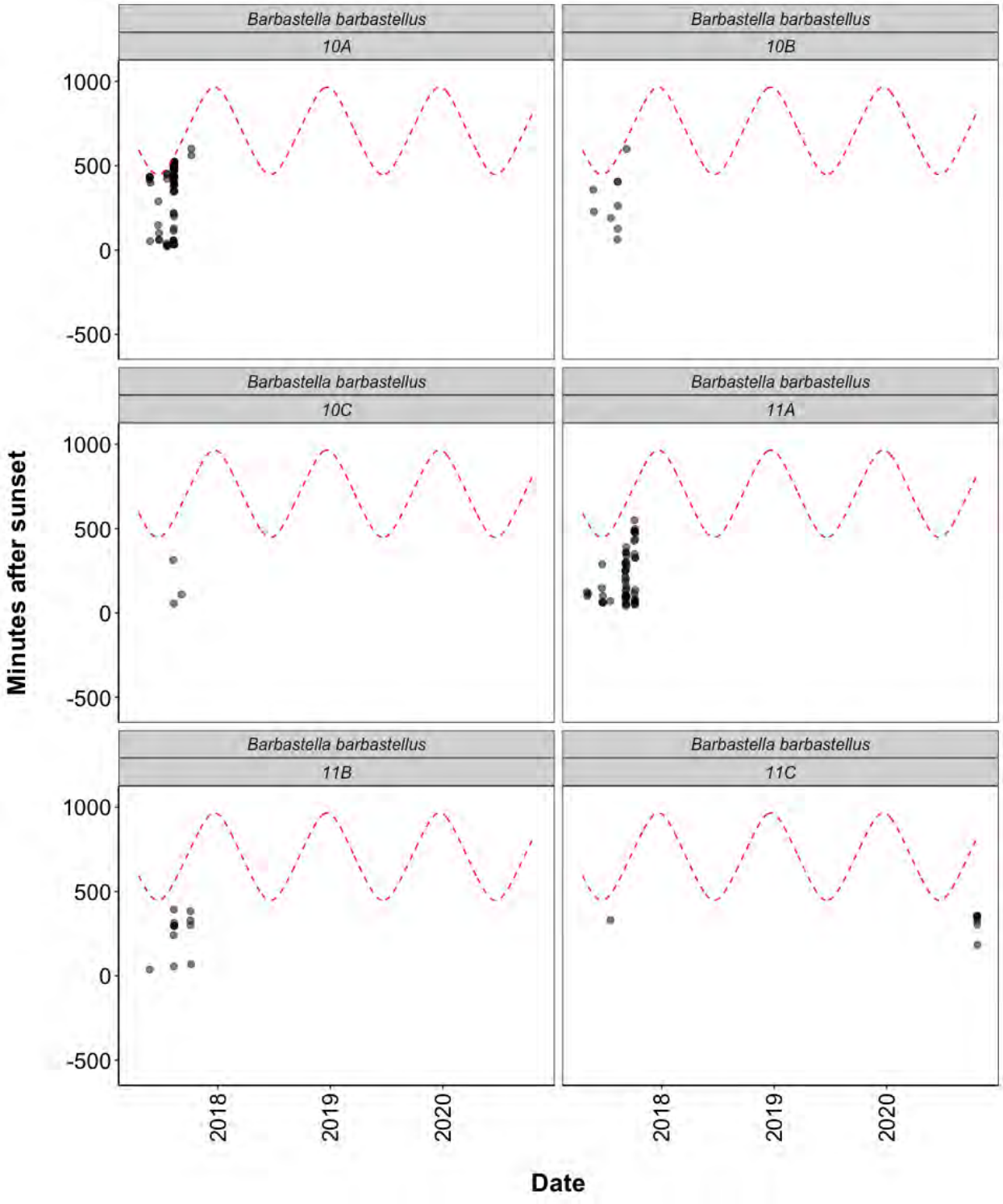
2020-05-24	21:08	05:10	8.0
2020-05-25	21:10	05:09	8.0
2020-05-26	21:11	05:08	8.0
2020-06-01	21:18	05:03	7.8
2020-06-02	21:19	05:02	7.7
2020-06-03	21:20	05:02	7.7
2020-06-04	21:21	05:01	7.7
2020-06-05	21:22	05:01	7.6
2020-06-06	21:23	05:00	7.6
2020-06-07	21:24	05:00	7.6
2020-07-19	21:17	05:22	8.1
2020-07-20	21:16	05:23	8.1
2020-07-21	21:15	05:25	8.2
2020-07-22	21:13	05:26	8.2
2020-07-23	21:12	05:27	8.3
2020-07-24	21:11	05:29	8.3
2020-07-25	21:09	05:30	8.3
2020-07-26	21:08	05:32	8.4
2020-07-27	21:07	05:33	8.4
2020-07-28	21:05	05:35	8.5
2020-08-07	20:49	05:50	9.0
2020-08-08	20:47	05:51	9.1
2020-08-09	20:46	05:53	9.1
2020-08-10	20:44	05:54	9.2
2020-08-11	20:42	05:56	9.2
2020-08-13	20:38	05:59	9.3
2020-08-14	20:36	06:00	9.4
2020-08-15	20:34	06:02	9.5
2020-08-16	20:32	06:03	9.5
2020-08-17	20:30	06:05	9.6
2020-08-18	20:28	06:07	9.6
2020-09-07	19:46	06:38	10.9
2020-09-08	19:43	06:39	10.9
2020-09-09	19:41	06:41	11.0
2020-09-10	19:39	06:42	11.1
2020-09-11	19:37	06:44	11.1

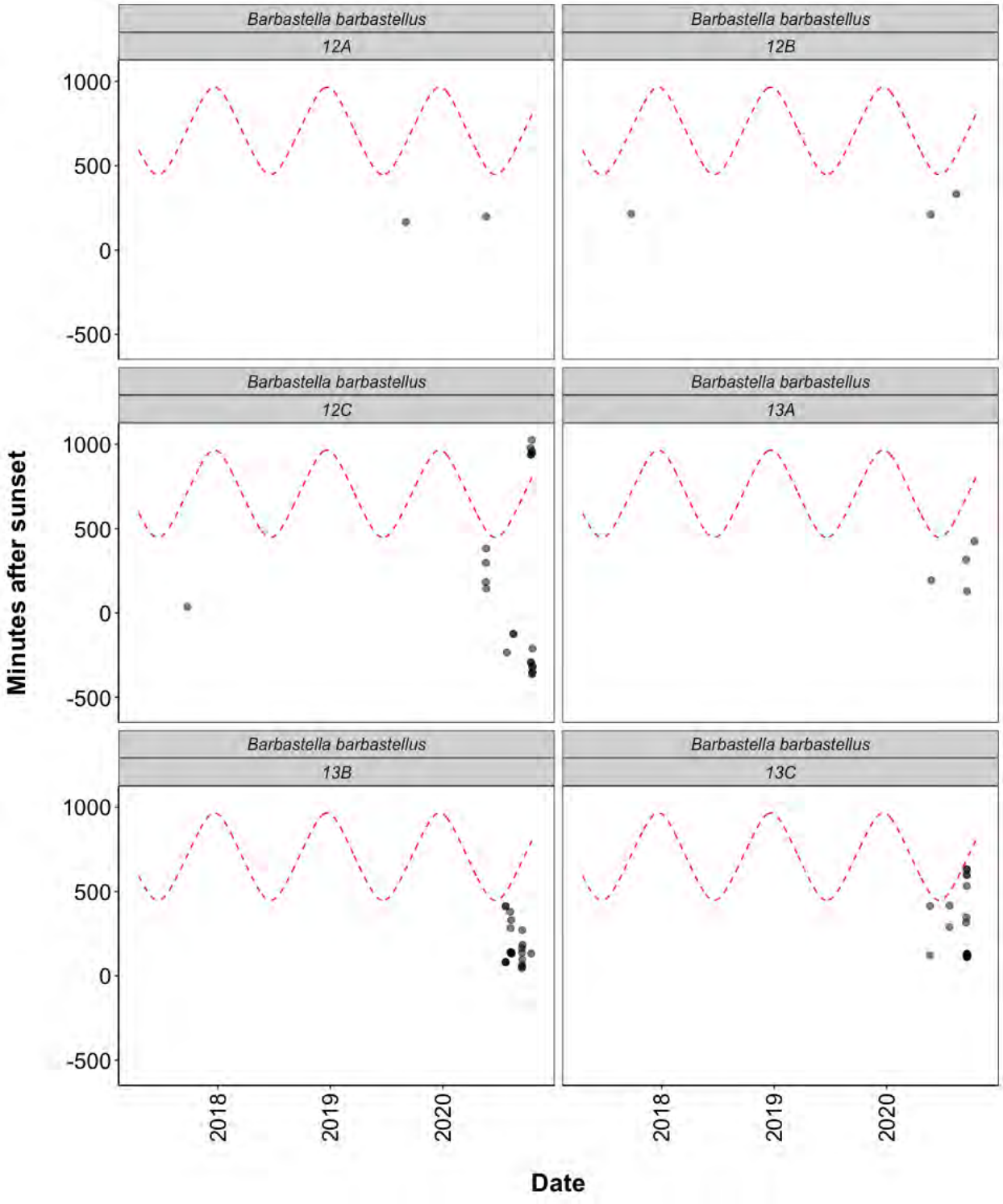
2020-09-14	19:30	06:49	11.3
2020-09-15	19:28	06:50	11.4
2020-09-16	19:25	06:52	11.4
2020-09-17	19:23	06:53	11.5
2020-09-18	19:21	06:55	11.6
2020-10-05	18:42	07:22	12.7
2020-10-06	18:40	07:23	12.7
2020-10-07	18:38	07:25	12.8
2020-10-08	18:36	07:26	12.8
2020-10-09	18:33	07:28	12.9
2020-10-10	18:31	07:30	13.0
2020-10-11	18:29	07:31	13.0
2020-10-12	18:27	07:33	13.1
2020-10-13	18:25	07:35	13.2
2020-10-14	18:23	07:36	13.2
2020-10-15	18:20	07:38	13.3
2020-10-16	18:18	07:40	13.4
2020-10-17	18:16	07:41	13.4
2020-10-18	18:14	07:43	13.5
2020-10-19	18:12	07:45	13.5
2020-10-20	18:10	07:46	13.6
2020-10-21	18:08	07:48	13.7
2020-10-22	18:06	07:50	13.7
2020-10-23	18:04	07:51	13.8
2020-10-24	18:02	06:53	13.9
2020-10-25	17:00	06:55	13.9

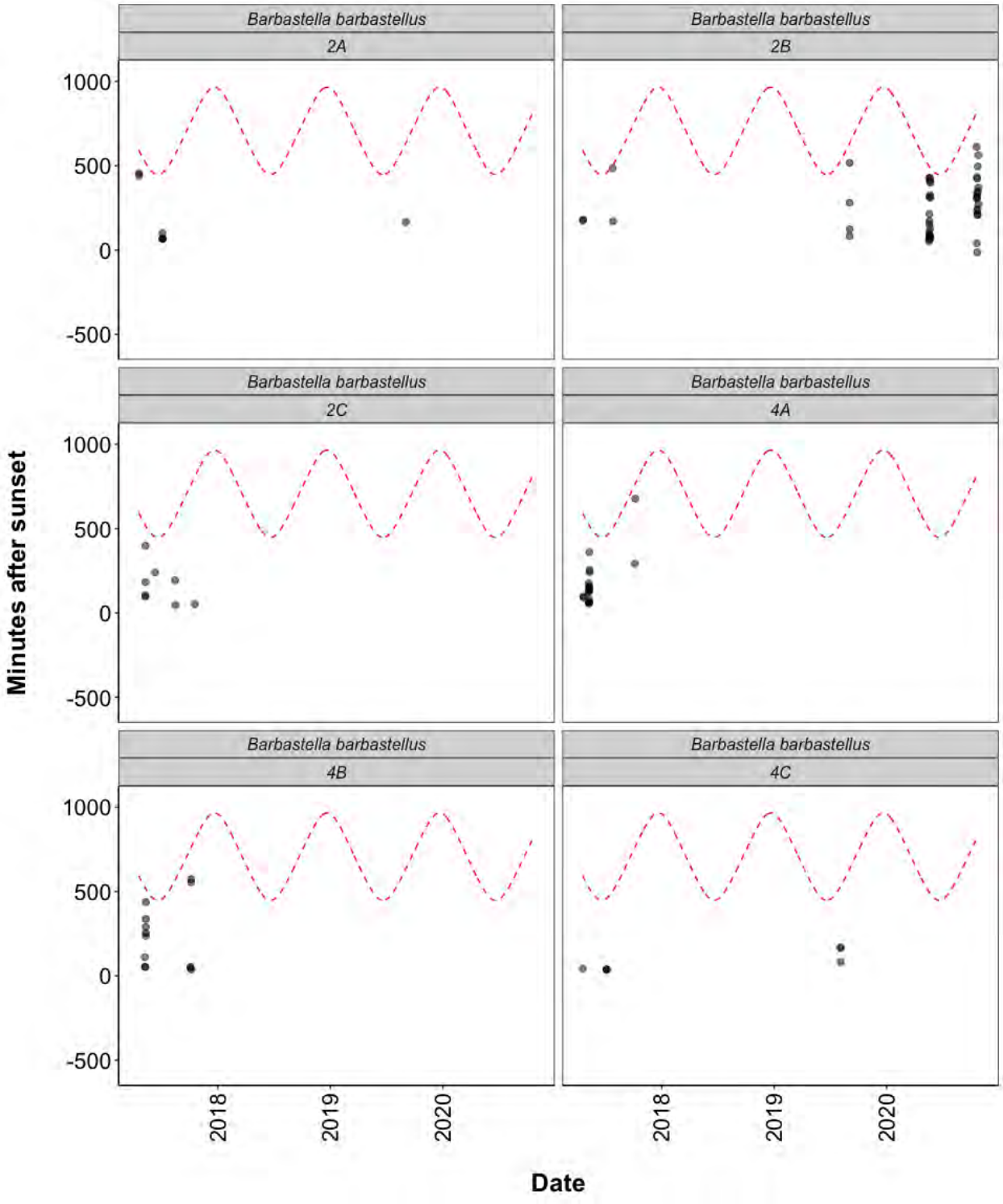
Distribution of Bat Activity Across the Night through Time

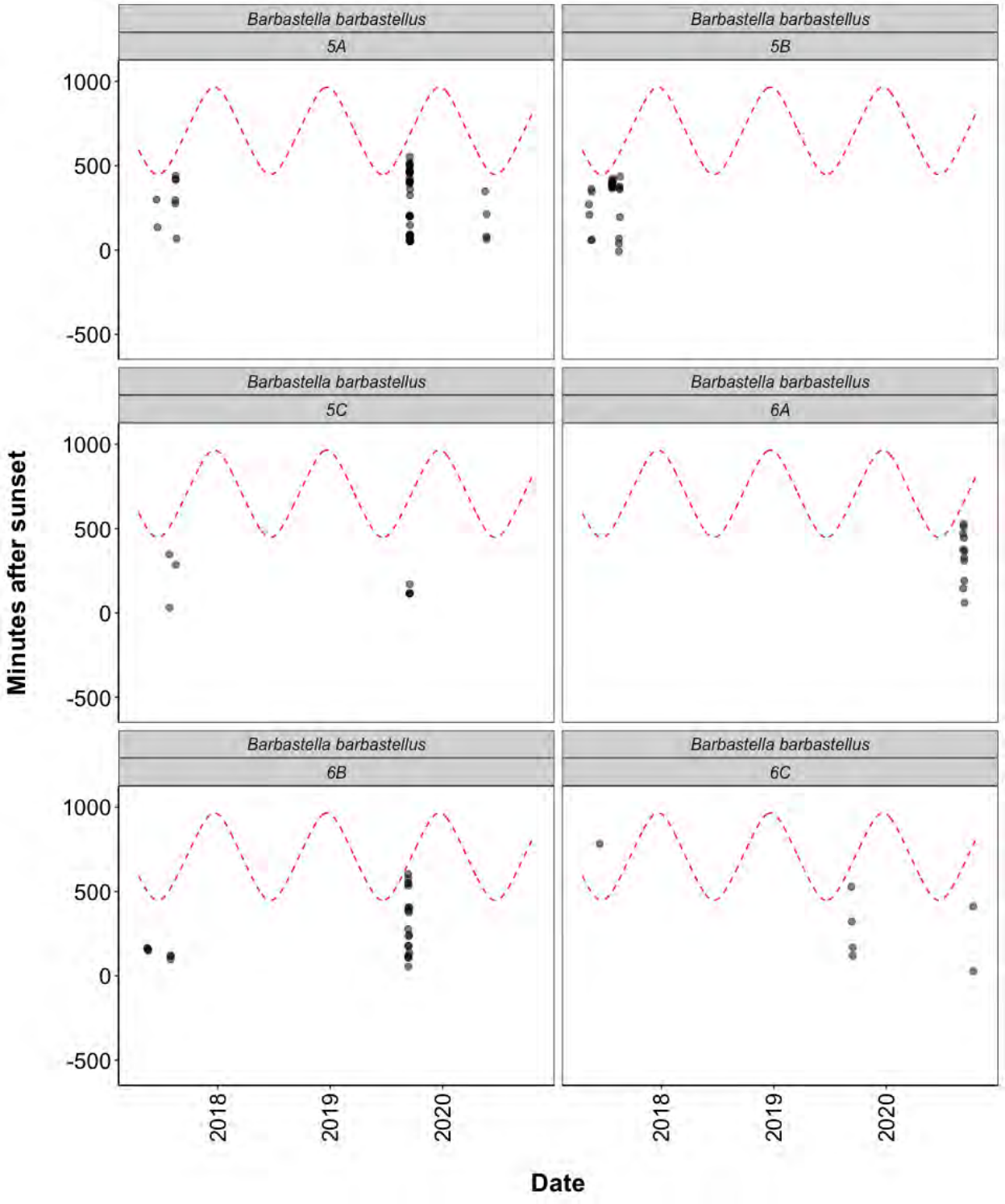
Per Detector

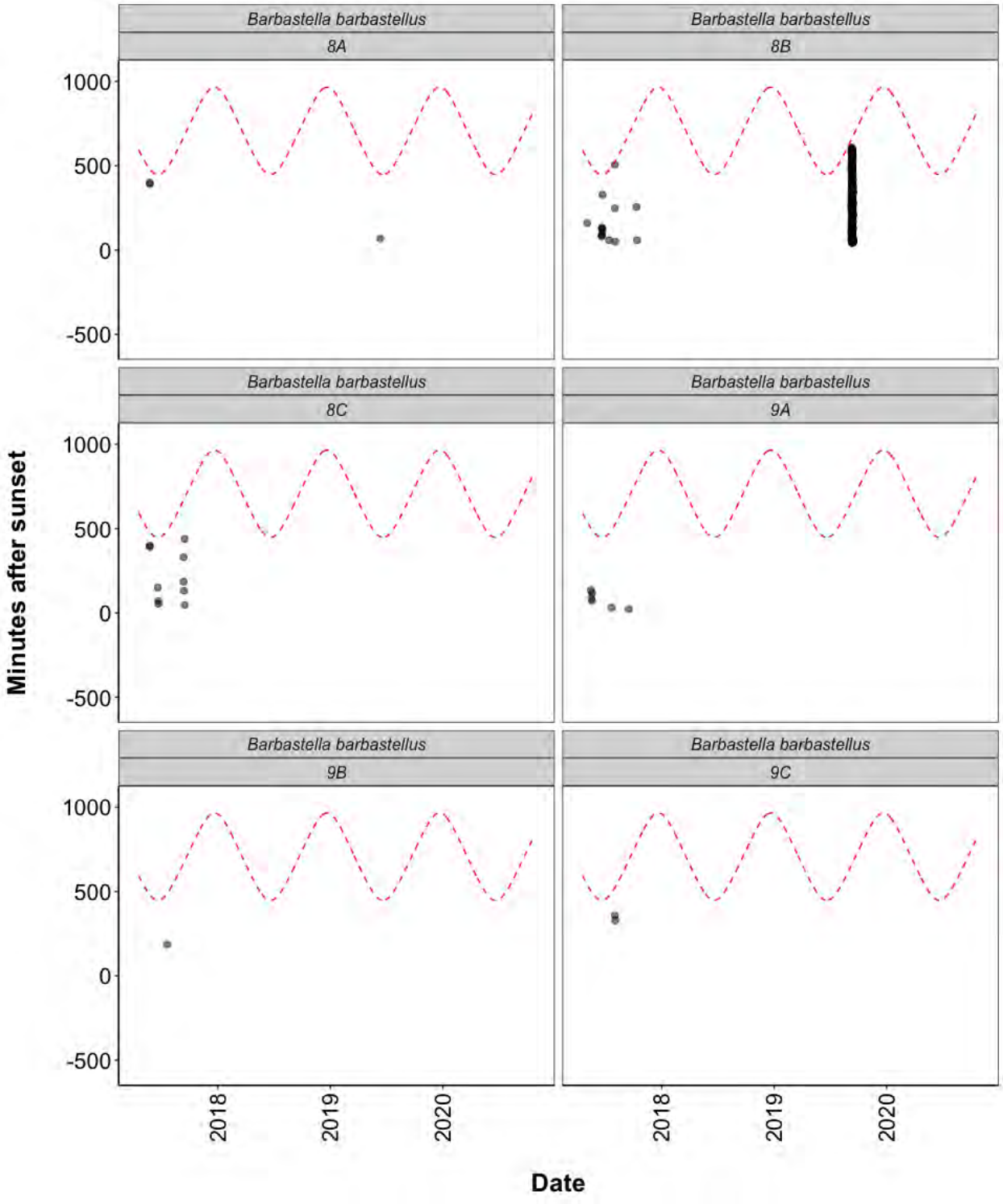
Figure 7. Timing of bat calls plotted as minutes before/after sunset, whereby 0 on the y axis represents sunset. Sunrise throughout the survey period is depicted as the red dashed line. Colours indicate kernel densities, with darkest colours showing peaks of activity. These colours are comparative only within each plot, and do not account for overall activity.

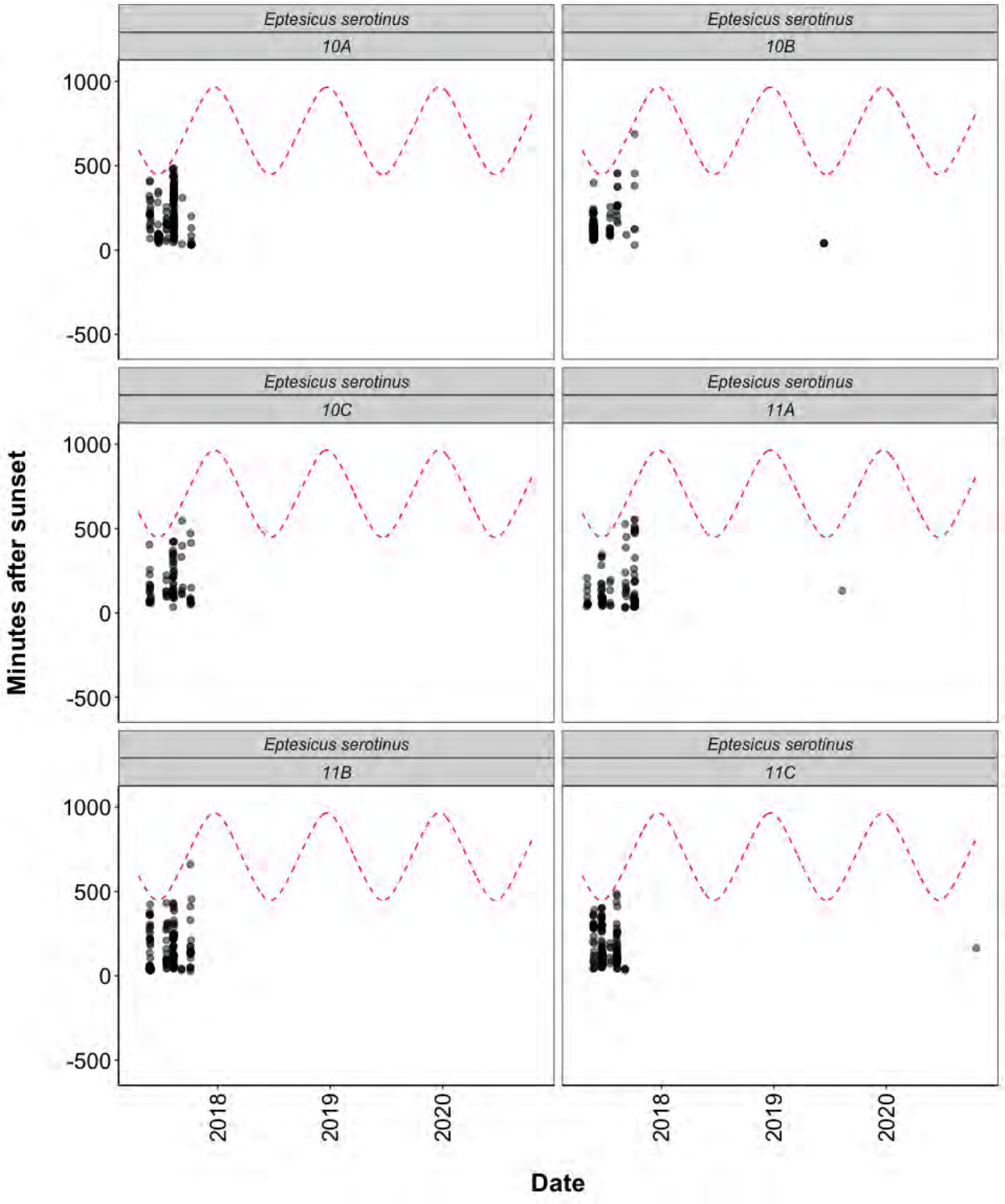

Barbastella barbastellus
10A
Barbastella barbastellus
10B
Barbastella barbastellus
10C
Barbastella barbastellus
11A
Barbastella barbastellus
11B
Barbastella barbastellus
11C
1000
500
0
-500
Minutes after sunset
2018
2019
2020
Date

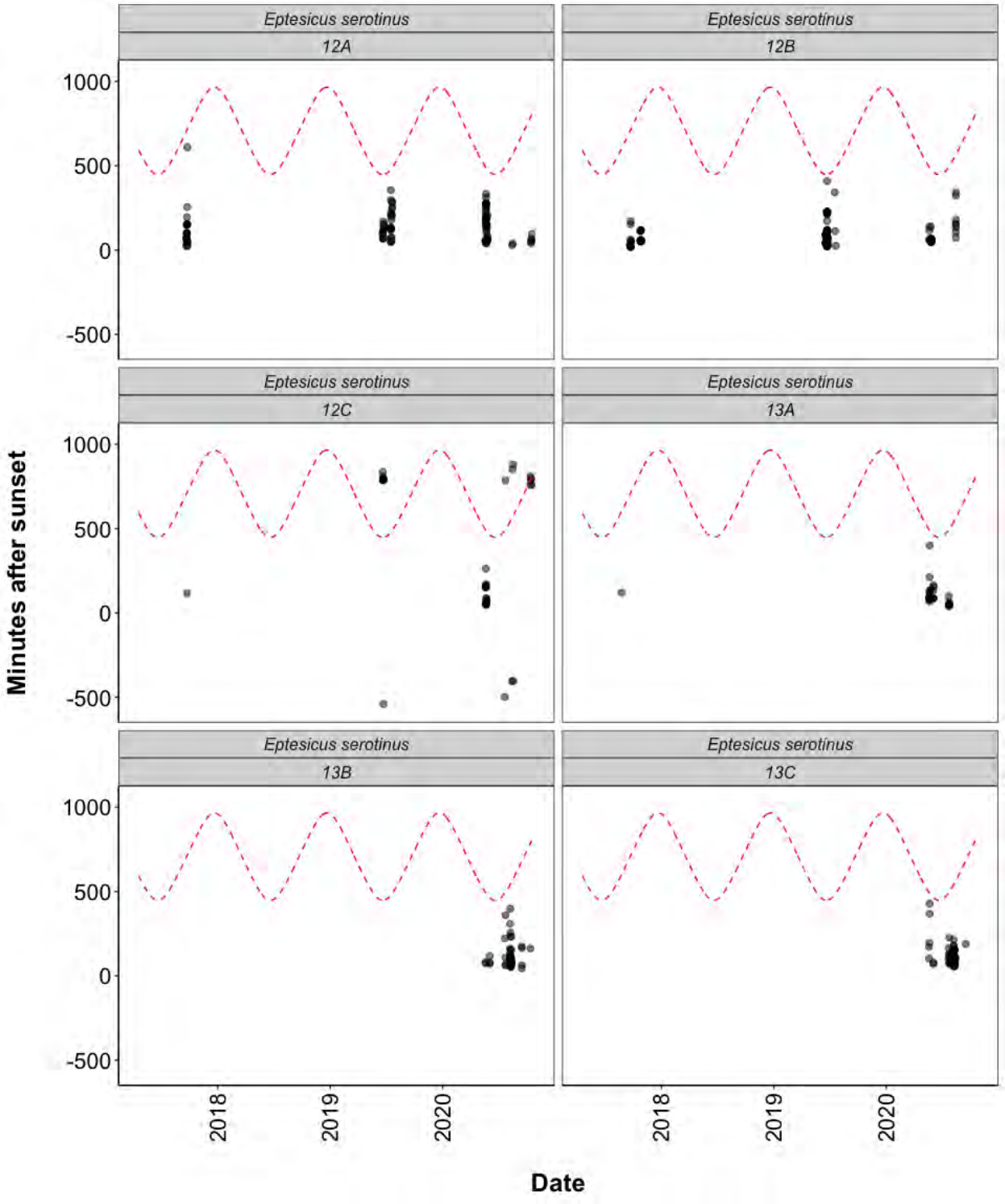

Barbastella barbastellus
12A
Barbastella barbastellus
12B
Barbastella barbastellus
12C
Barbastella barbastellus
13A
Barbastella barbastellus
13B
Barbastella barbastellus
13C
1000
500
0
-500
Minutes after sunset
2018
2019
2020
Date

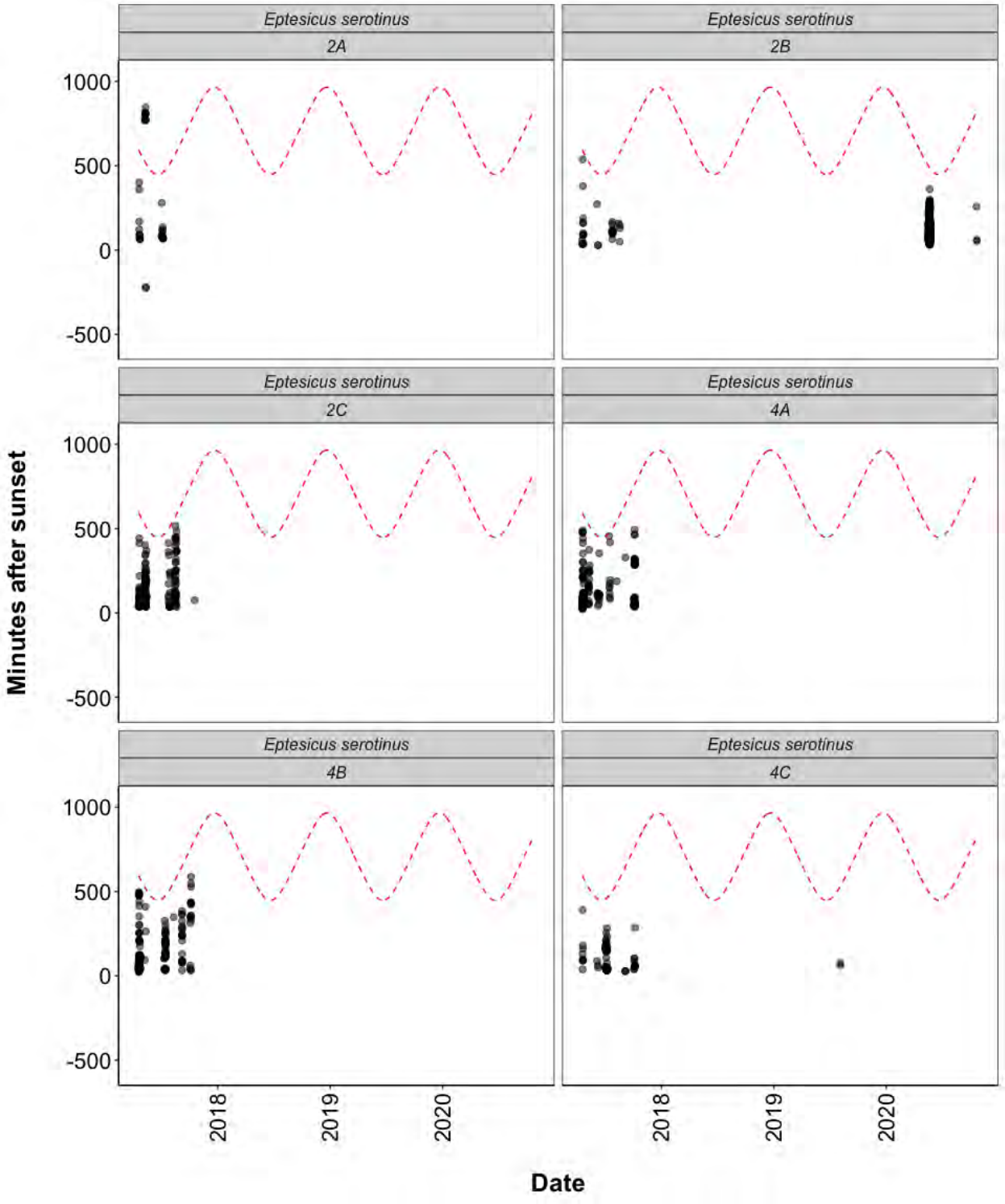

Barbastella barbastellus
2A
Barbastella barbastellus
2B
Barbastella barbastellus
2C
Barbastella barbastellus
4A
Barbastella barbastellus
4B
Barbastella barbastellus
4C
1000
500
0
-500
Minutes after sunset
2018
2019
2020
Date

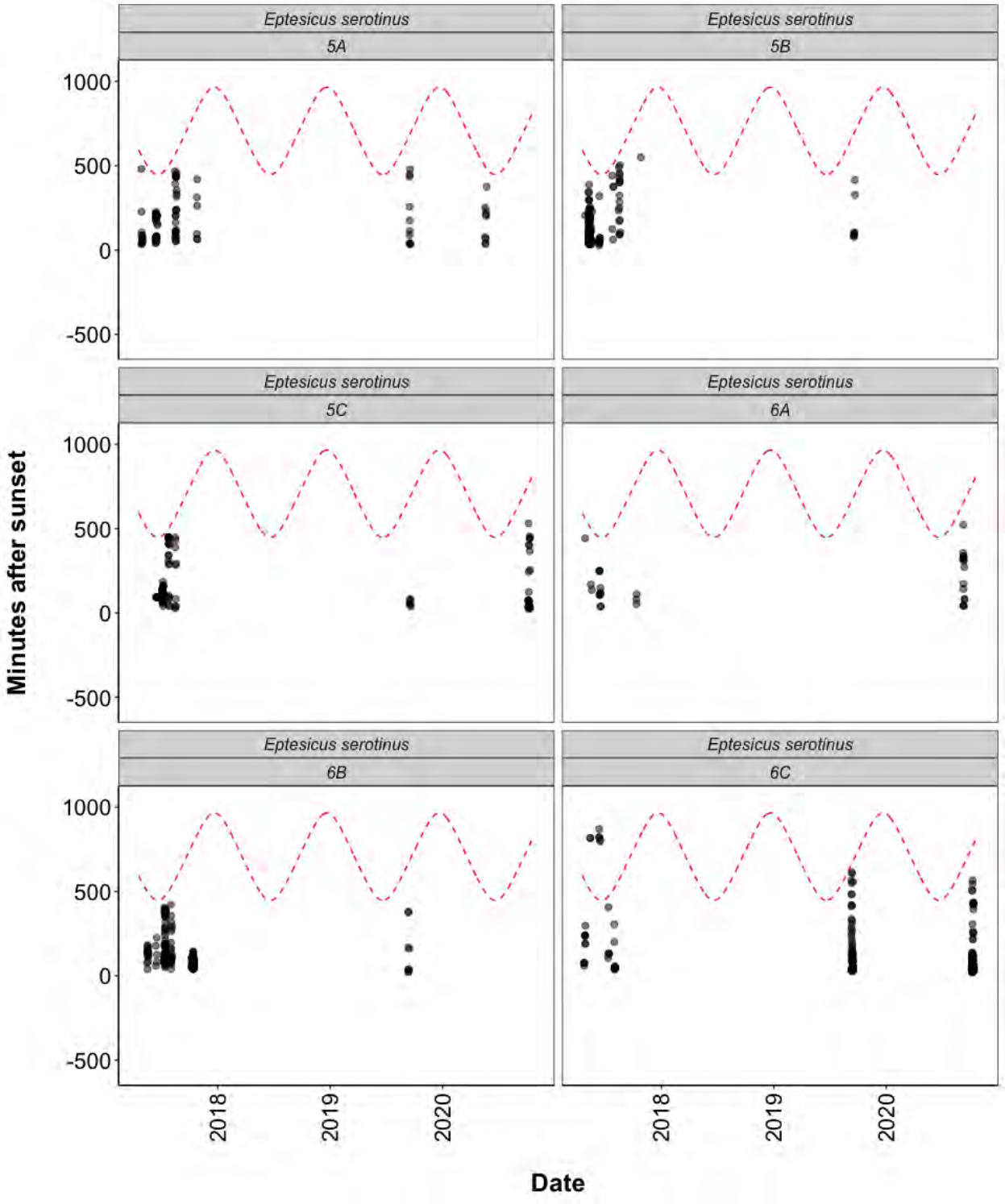

Barbastella barbastellus
5A
Barbastella barbastellus
5B
Barbastella barbastellus
5C
Barbastella barbastellus
6A
Barbastella barbastellus
6B
Barbastella barbastellus
6C
1000
500
0
-500
Minutes after sunset
2018
2019
2020
Date

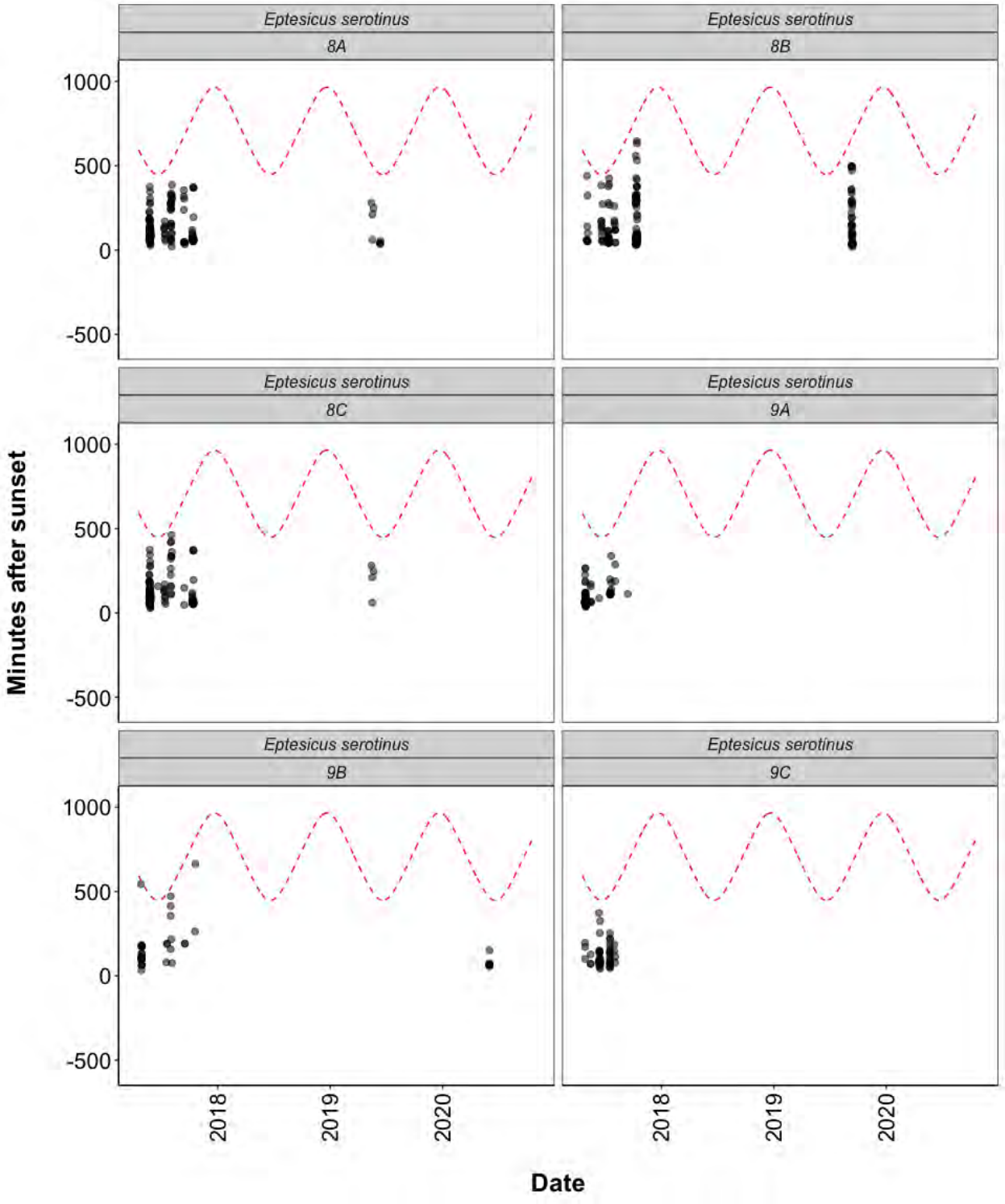

Barbastella barbastellus
8A
Barbastella barbastellus
8B
Barbastella barbastellus
8C
Barbastella barbastellus
9A
Barbastella barbastellus
9B
Barbastella barbastellus
9C
1000
500
0
-500
Minutes after sunset
2018
2019
2020
Date


Eptesicus serotinus
10A
Eptesicus serotinus
10B
Eptesicus serotinus
10C
Eptesicus serotinus
11A
Eptesicus serotinus
11B
Eptesicus serotinus
11C
1000
500
0
-500
Minutes after sunset
2018
2019
2020
Date


Eptesicus serotinus
12A
Eptesicus serotinus
12B
Eptesicus serotinus
12C
Eptesicus serotinus
13A
Eptesicus serotinus
13B
Eptesicus serotinus
13C
1000
500
0
-500
Minutes after sunset
2018
2019
2020
Date


Eptesicus serotinus
2A
Eptesicus serotinus
2B
Eptesicus serotinus
2C
Eptesicus serotinus
4A
Eptesicus serotinus
4B
Eptesicus serotinus
4C
1000
500
0
-500
Minutes after sunset
2018
2019
2020
Date


Eptesicus serotinus
5A
Eptesicus serotinus
5B
Eptesicus serotinus
5C
Eptesicus serotinus
6A
Eptesicus serotinus
6B
Eptesicus serotinus
6C
1000
500
0
-500
Minutes after sunset
2018
2019
2020
Date


Eptesicus serotinus
8A
Eptesicus serotinus
8B
Eptesicus serotinus
8C
Eptesicus serotinus
9A
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9B
Eptesicus serotinus
9C
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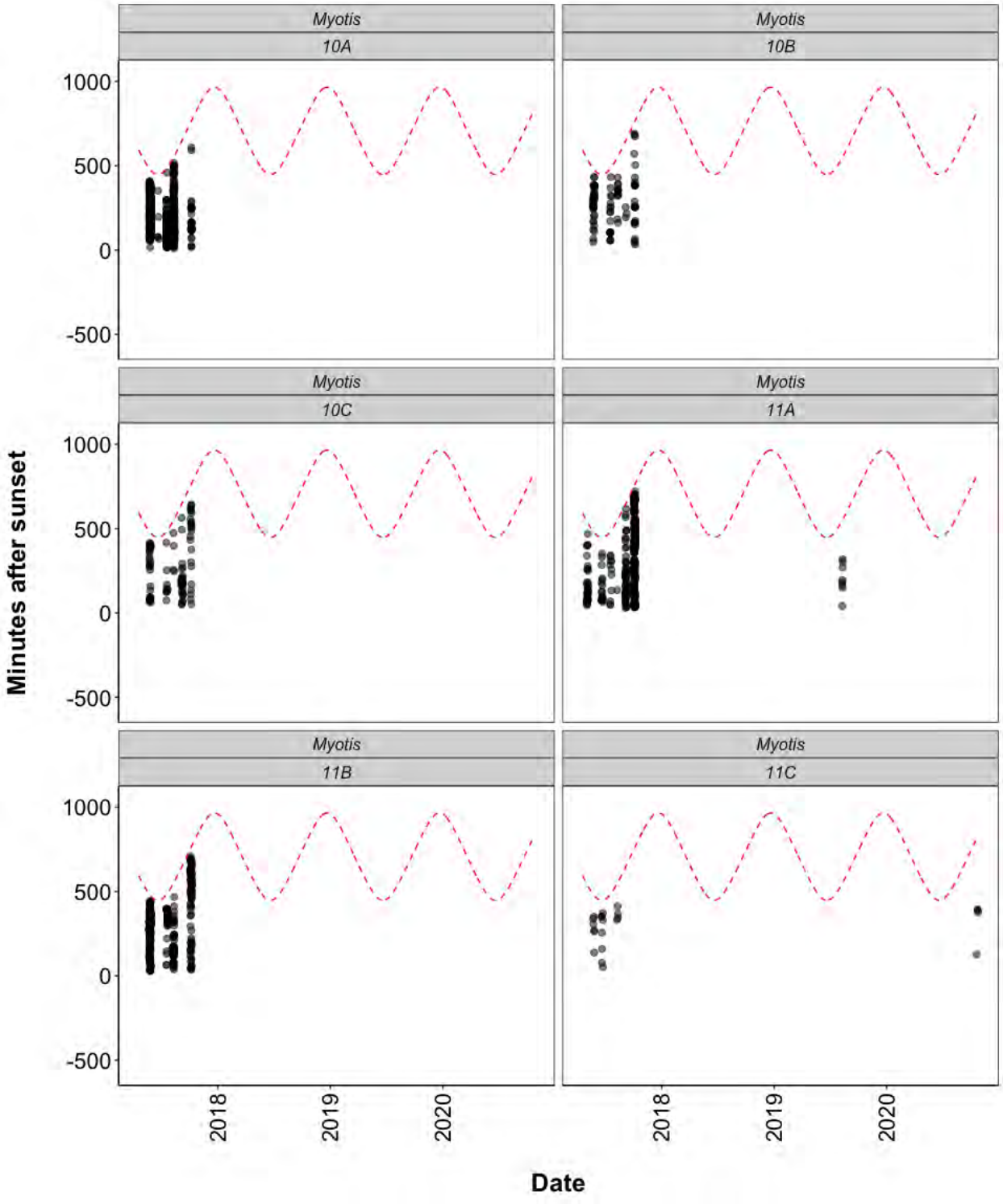
0
-500
Minutes after sunset
2018
2019
2020
Date


Myotis
10A
Myotis
10B
Myotis
10C
Myotis
11A
Myotis
11B
Myotis
11C
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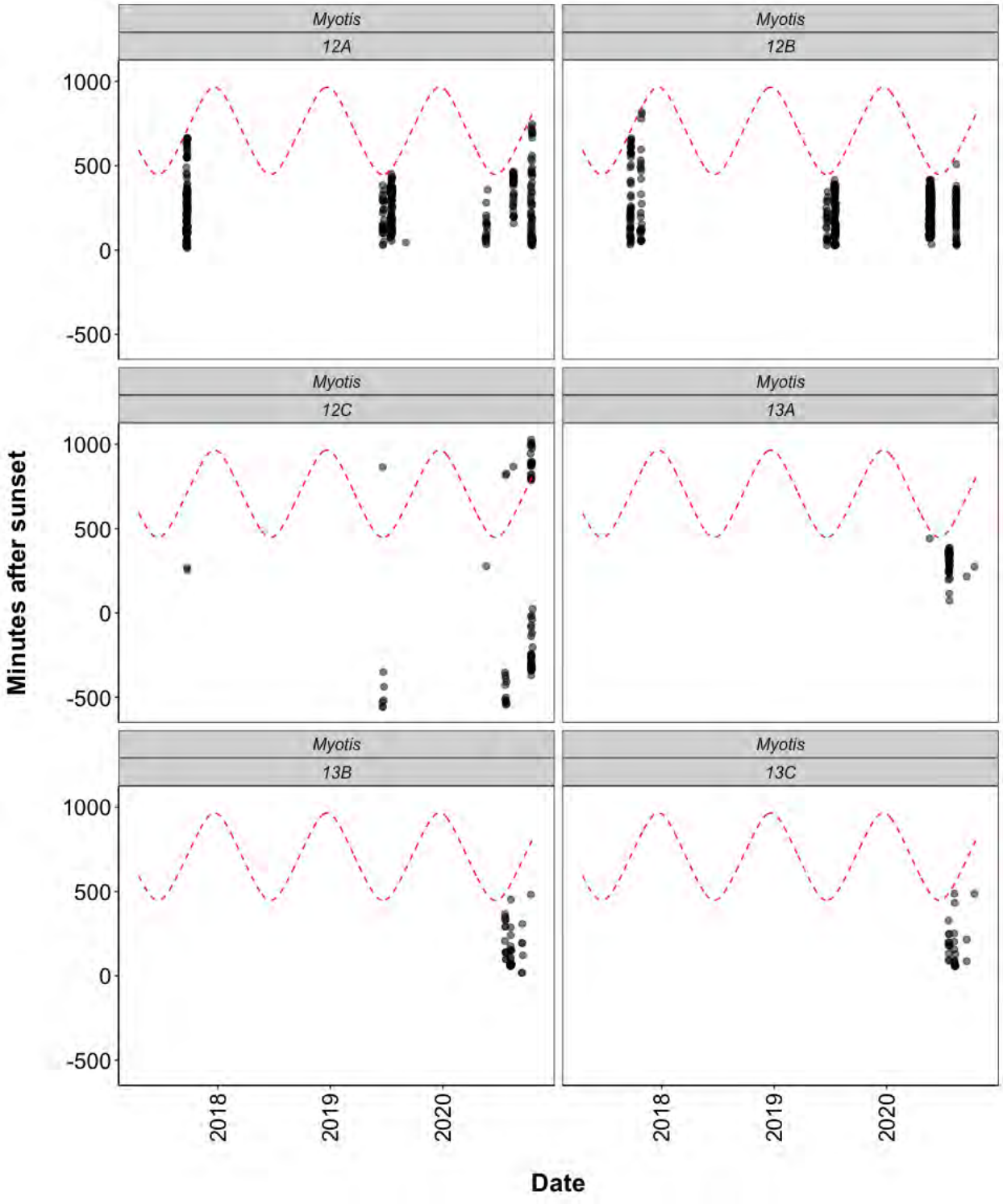
0
-500
Minutes after sunset
2018
2019
2020
Date


Myotis
12A
Myotis
12B
Myotis
12C
Myotis
13A
Myotis
13B
Myotis
13C
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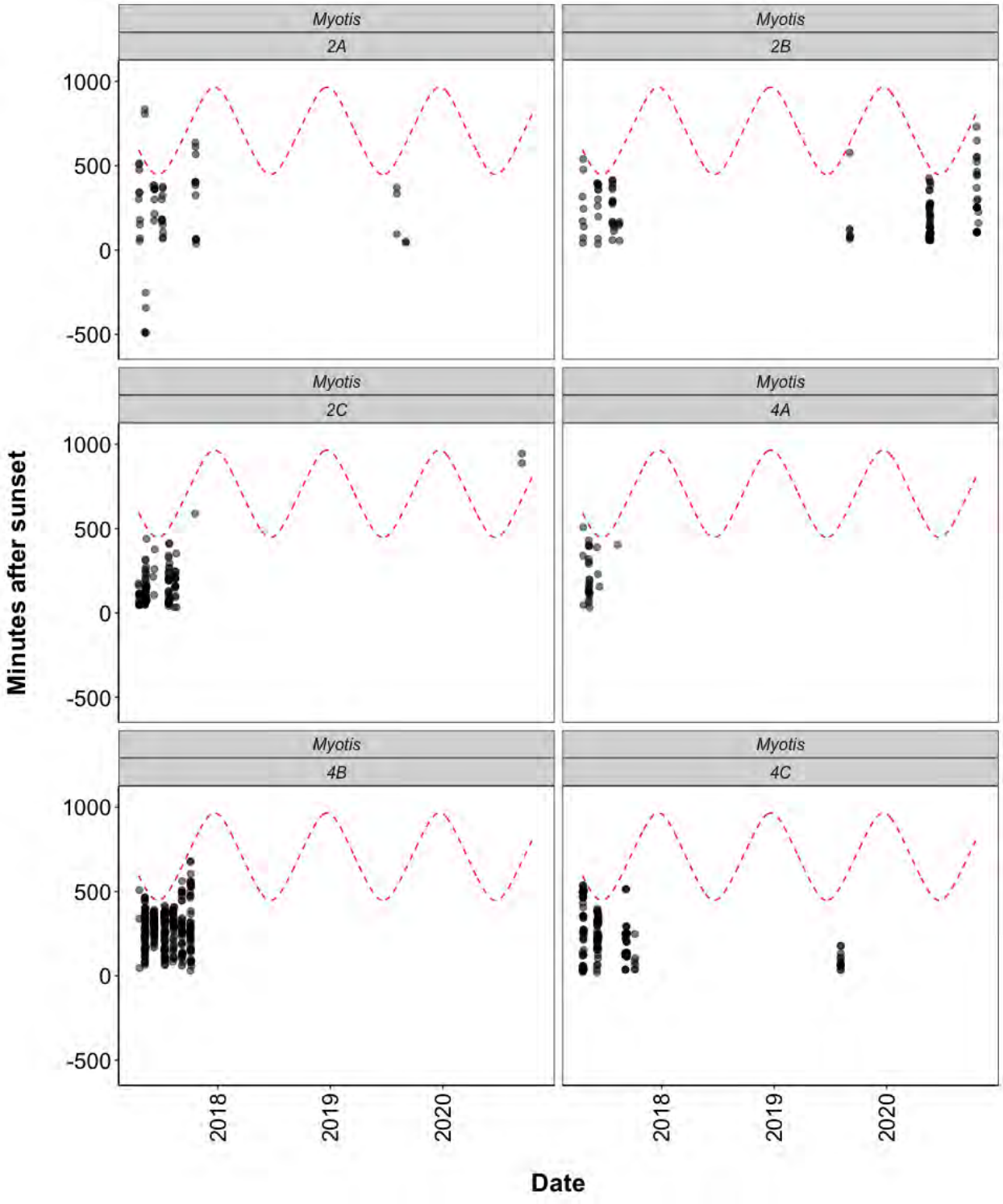
0
-500
Minutes after sunset
2018
2019
2020
Date


Myotis
2A
Myotis
2B
Myotis
2C
Myotis
4A
Myotis
4B
Myotis
4C
1000
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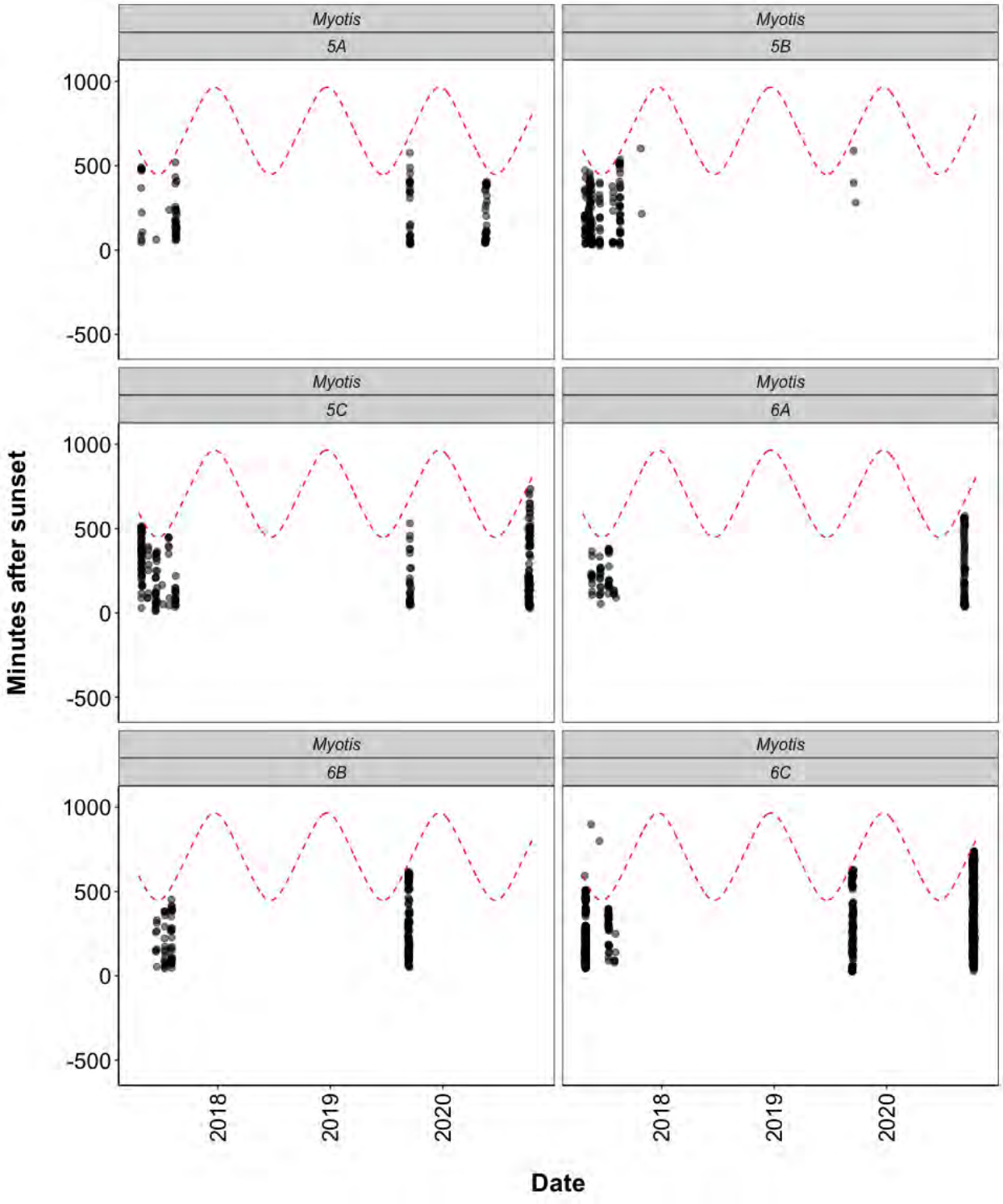
Minutes after sunset
2018
2019
2020
Date


Myotis
5A
Myotis
5B
Myotis
5C
Myotis
6A
Myotis
6B
Myotis
6C
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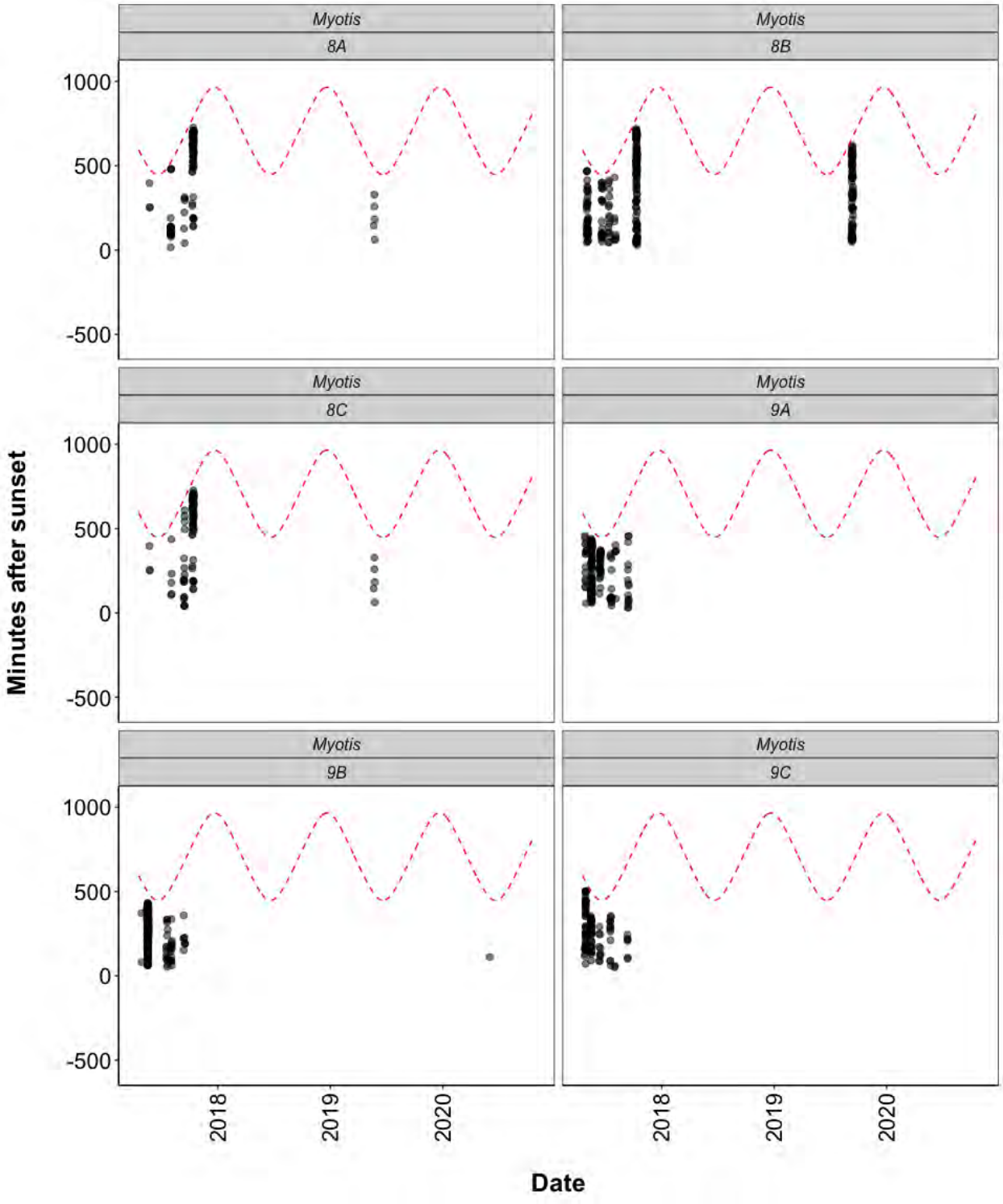
Minutes after sunset
2018
2019
2020
Date


Myotis
8A
Myotis
8B
Myotis
8C
Myotis
9A
Myotis
9B
Myotis
9C
1000
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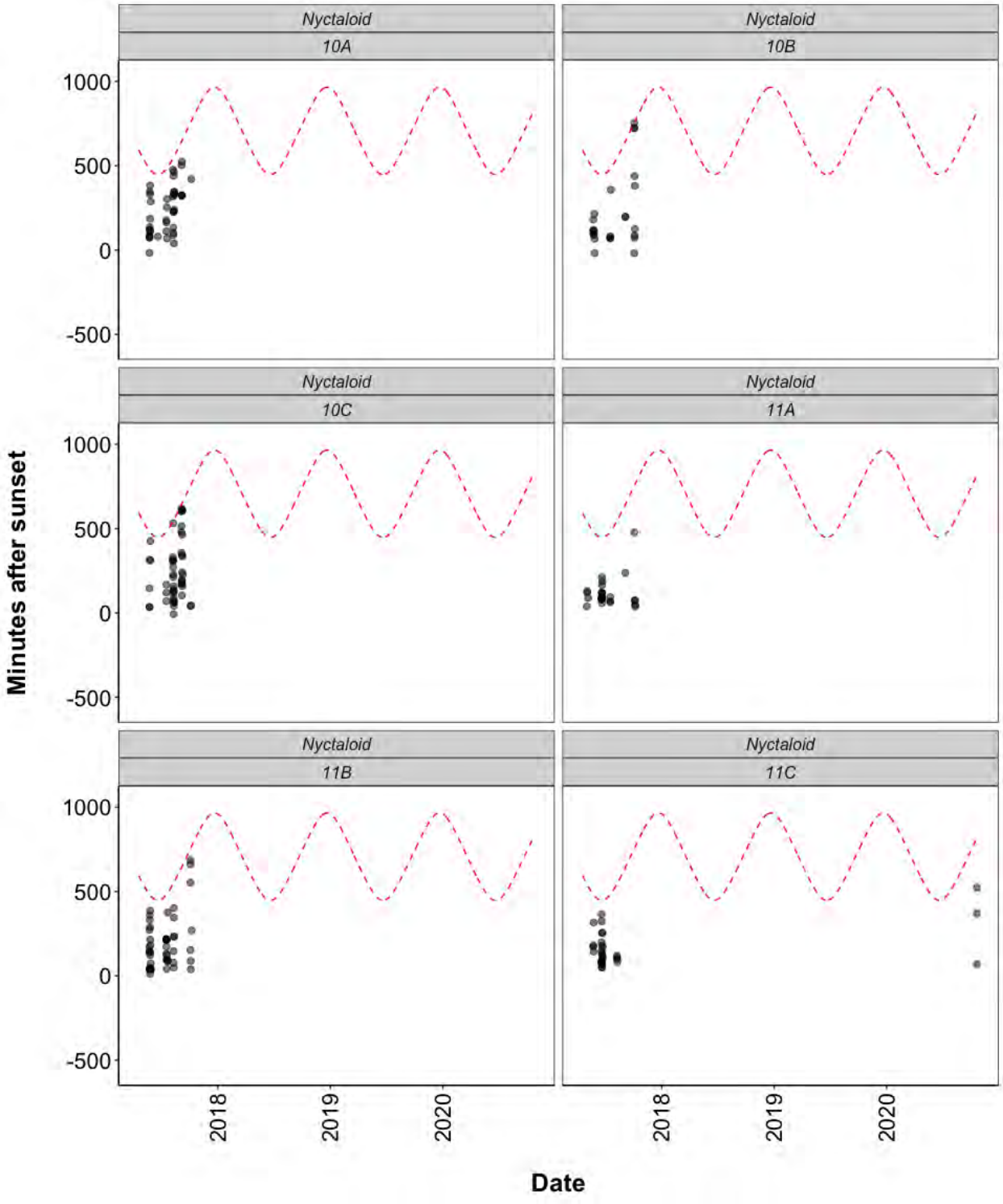
-500
Minutes after sunset
2018
2019
2020
Date


Nyctaloid
10A
Nyctaloid
10B
Nyctaloid
10C
Nyctaloid
11A
Nyctaloid
11B
Nyctaloid
11C
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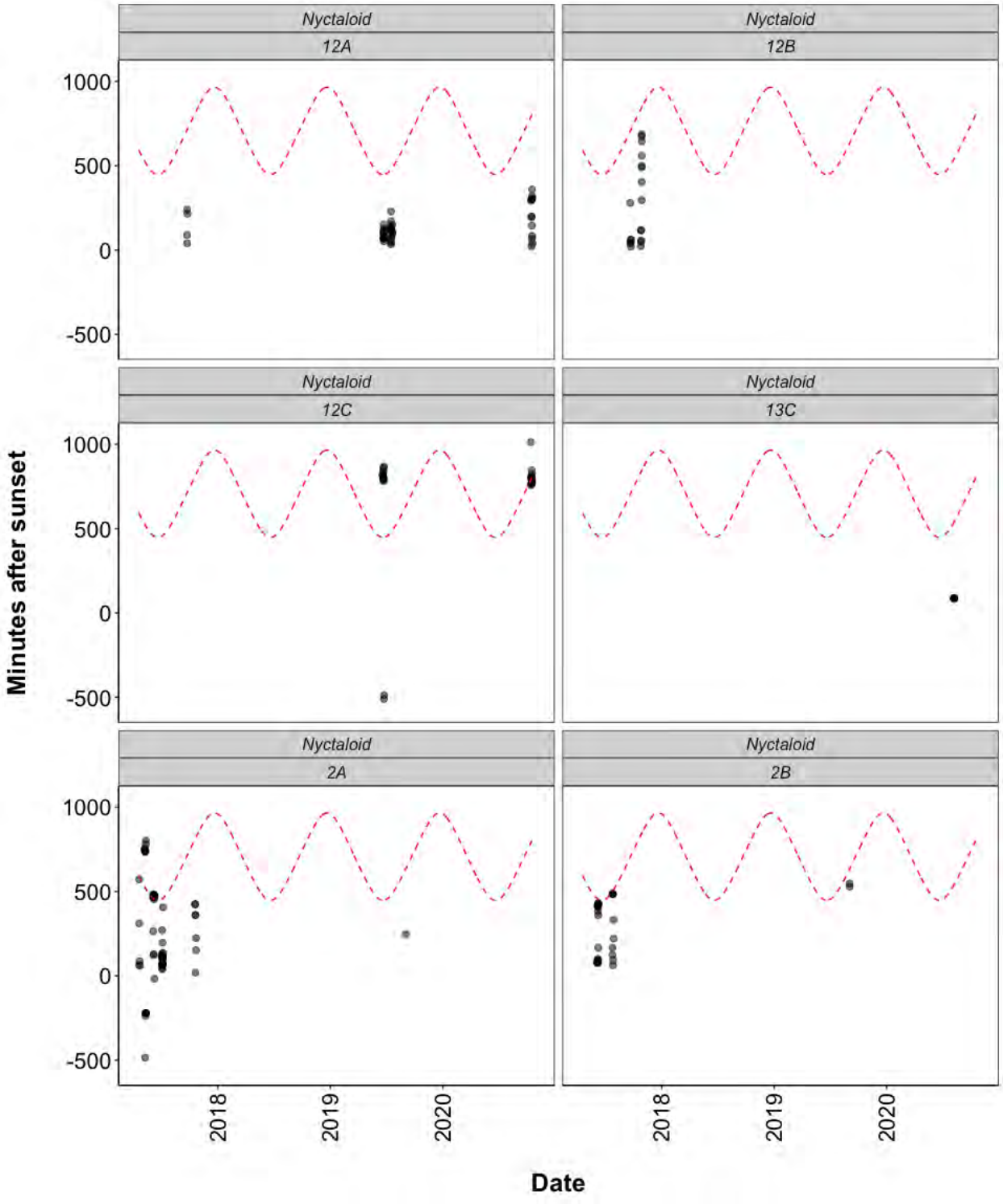
-500
Minutes after sunset
2018
2019
2020
Date


Nyctaloid
12A
Nyctaloid
12B
Nyctaloid
12C
Nyctaloid
13C
Nyctaloid
2A
Nyctaloid
2B
1000
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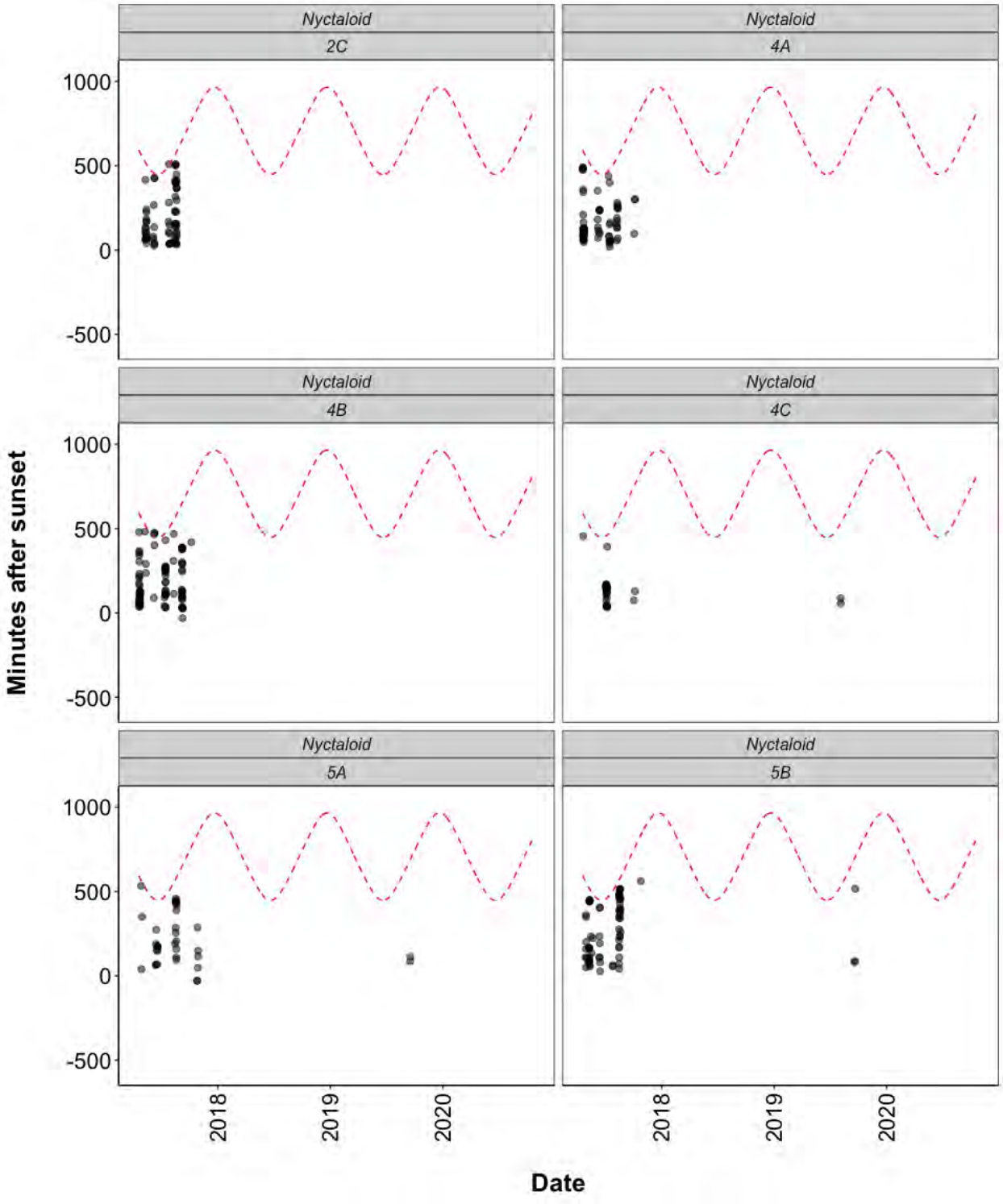
0
-500
Minutes after sunset
2018
2019
2020
Date


Nyctaloid
2C
Nyctaloid
4A
Nyctaloid
4B
Nyctaloid
4C
Nyctaloid
5A
Nyctaloid
5B
1000
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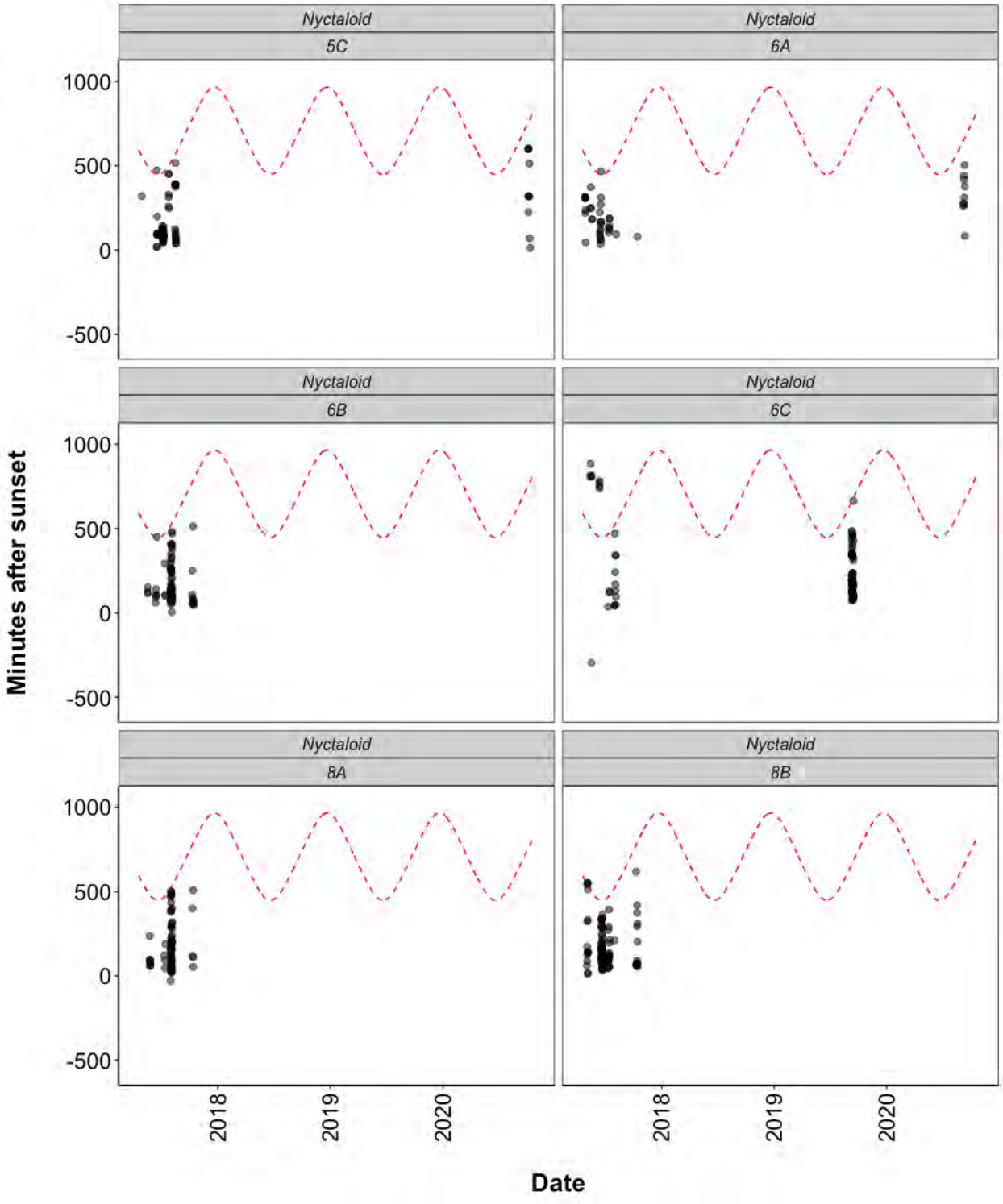
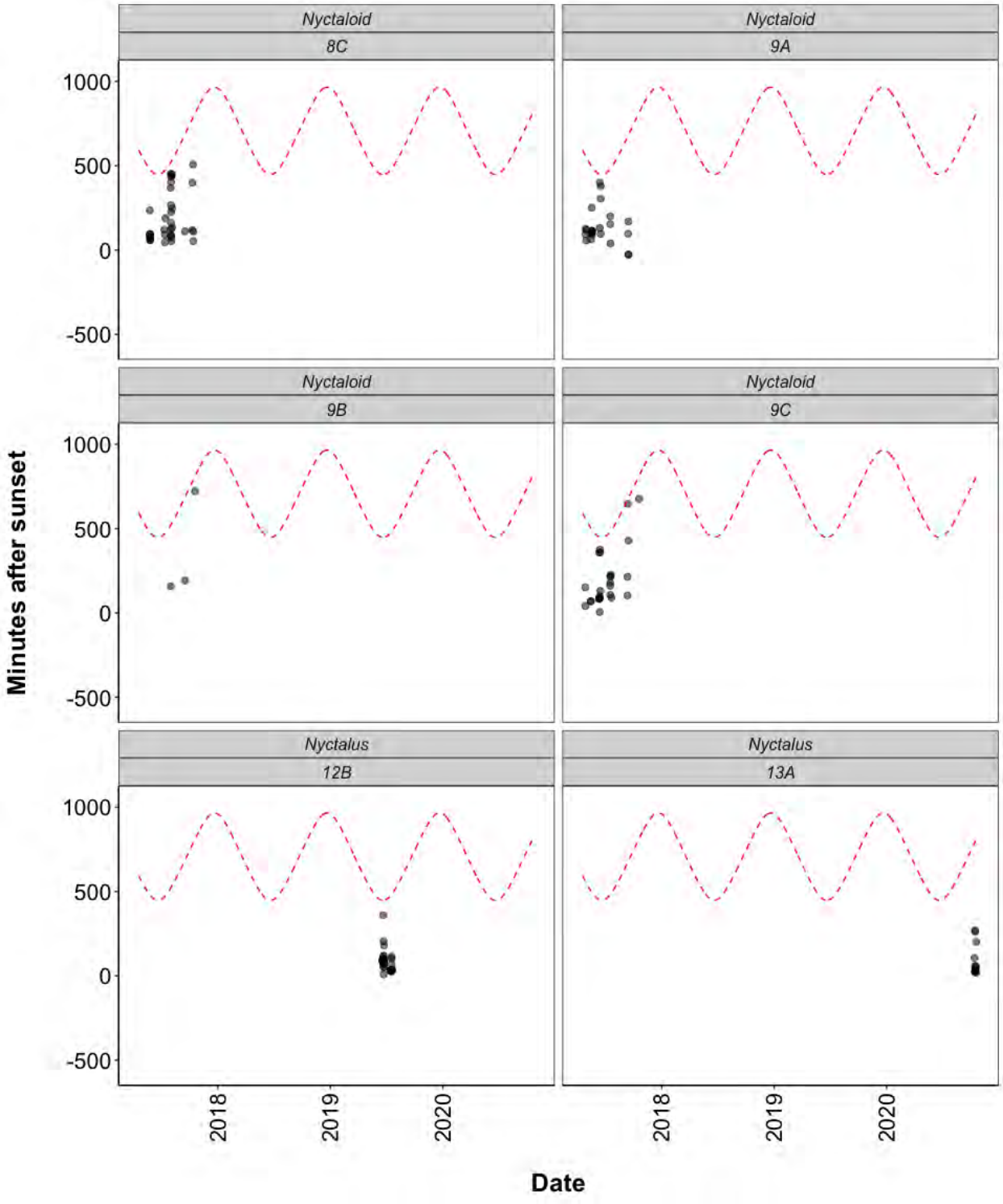
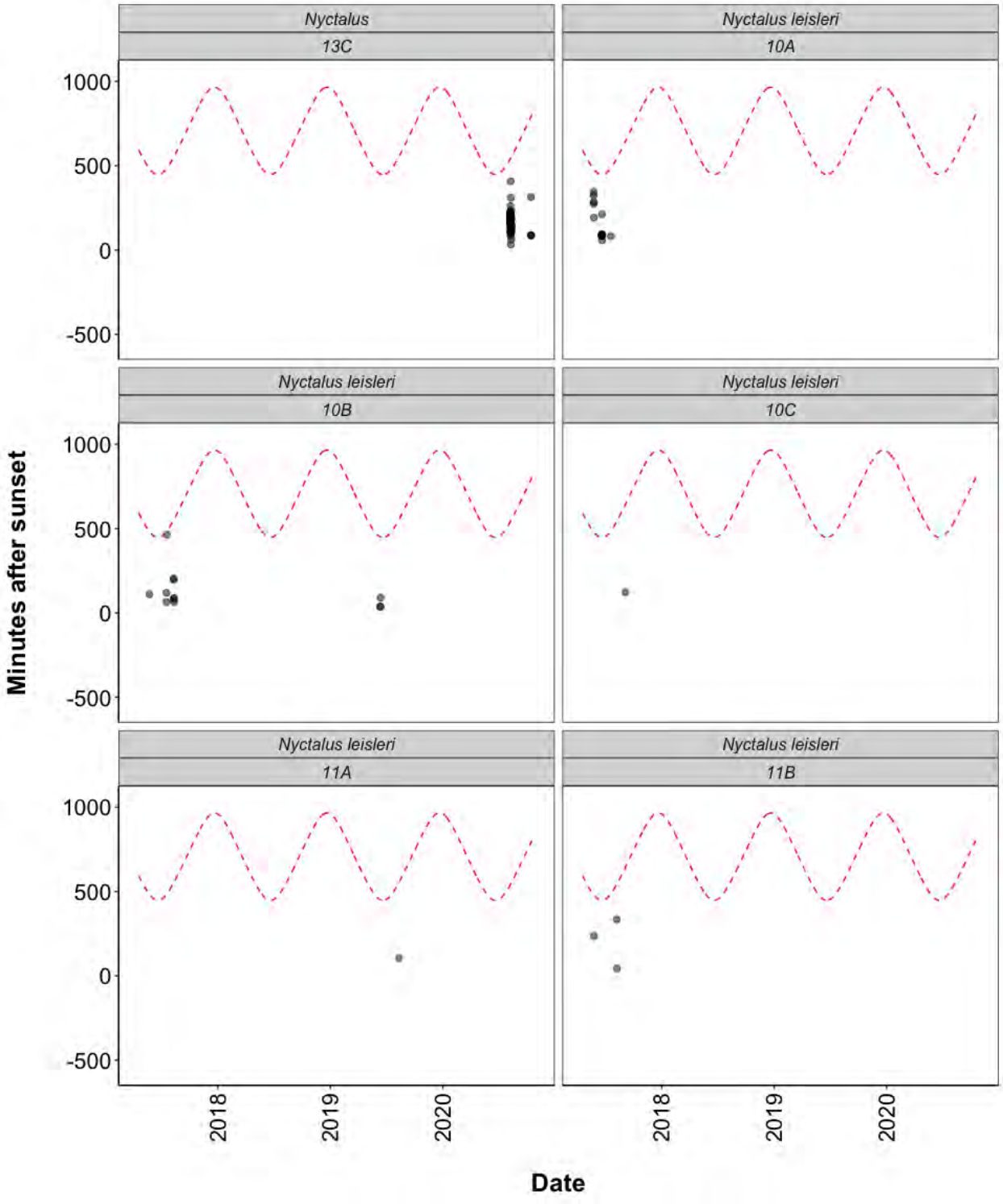
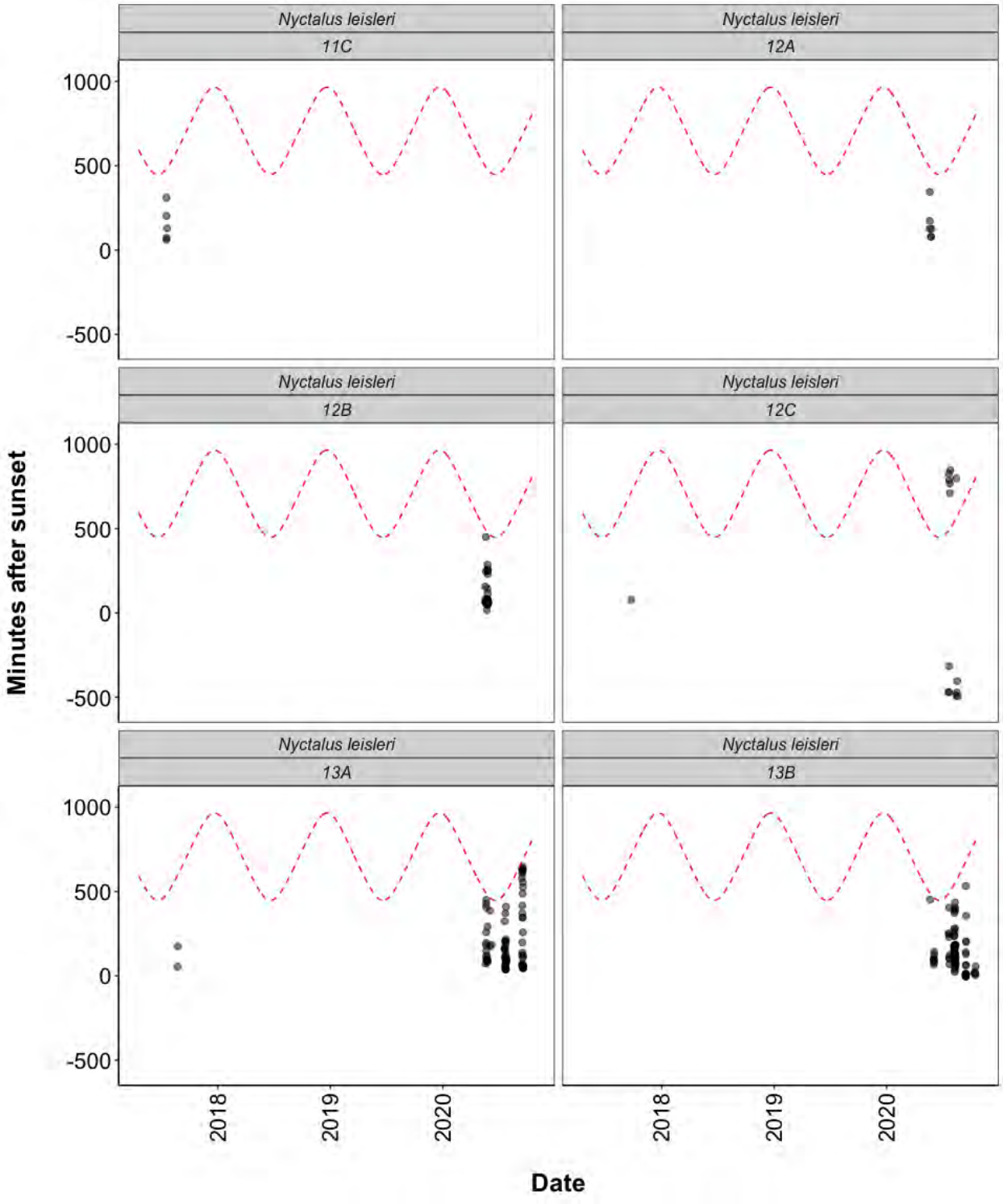
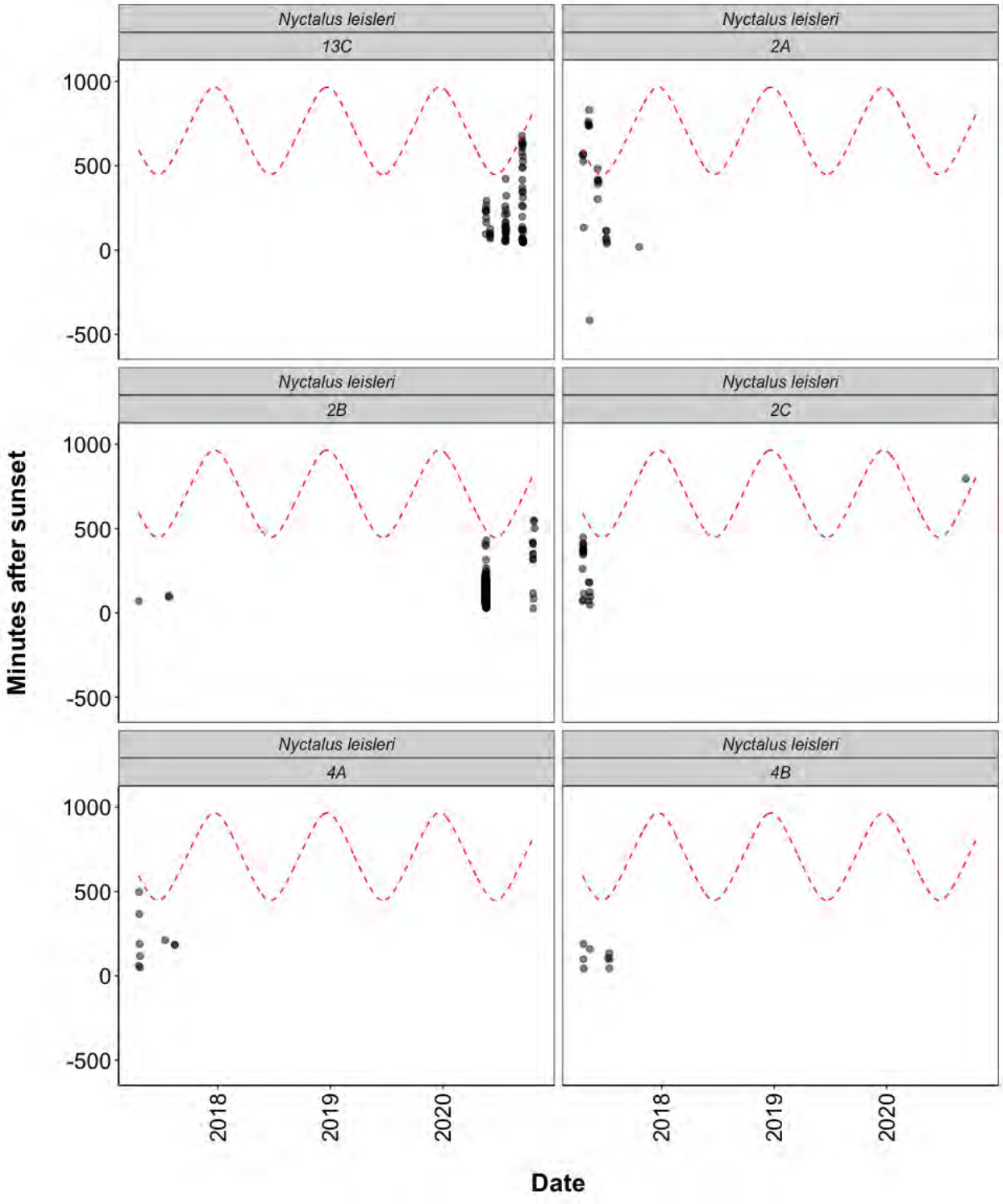
0
-500
Minutes after sunset
2018
2019
2020
Date

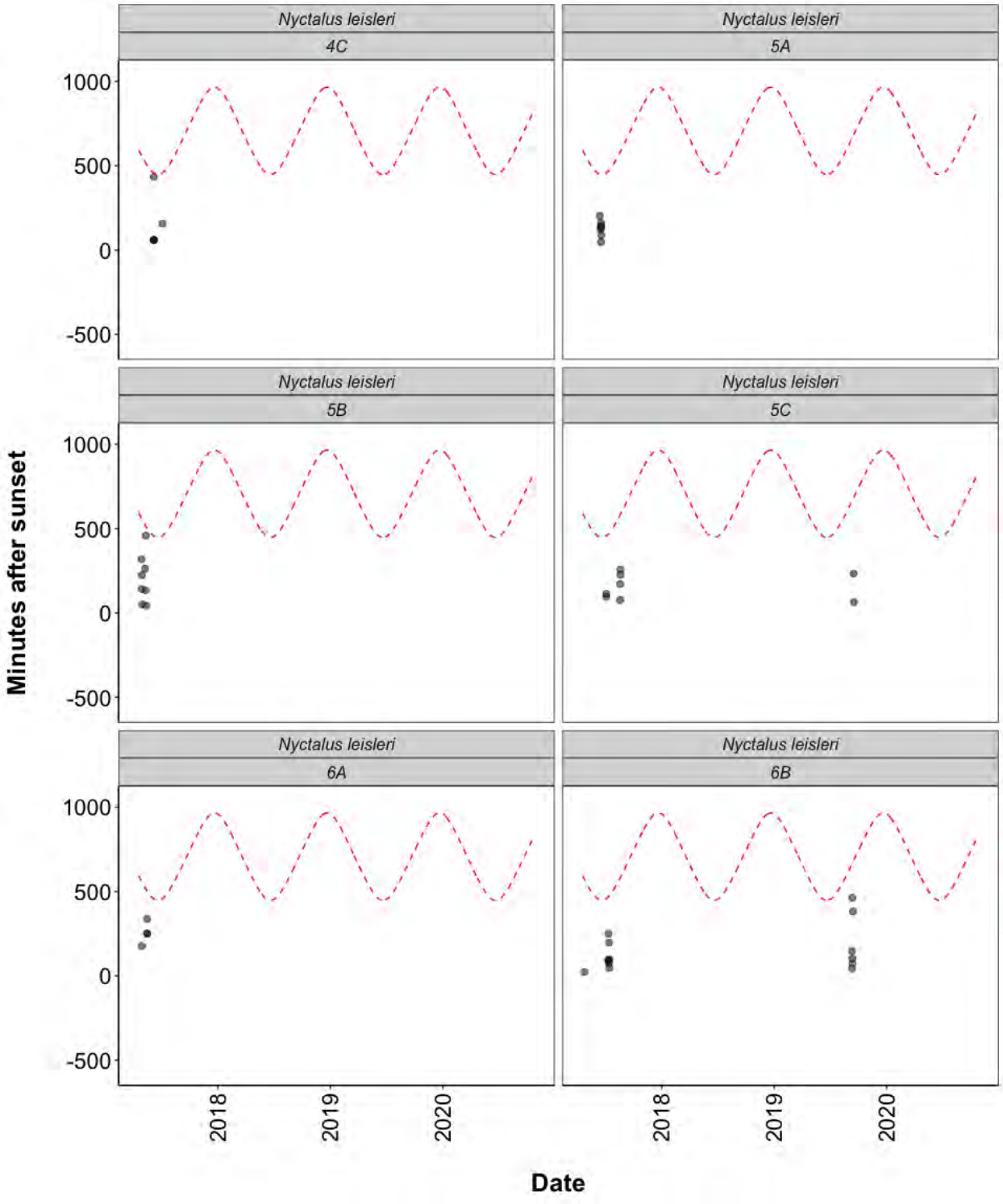

Nyctaloid
5C
Nyctaloid
6A
Nyctaloid
6B
Nyctaloid
6C
Nyctaloid
8A
Nyctaloid
8B
1000
500
0
-500
Minutes after sunset
2018
2019
2020
Date

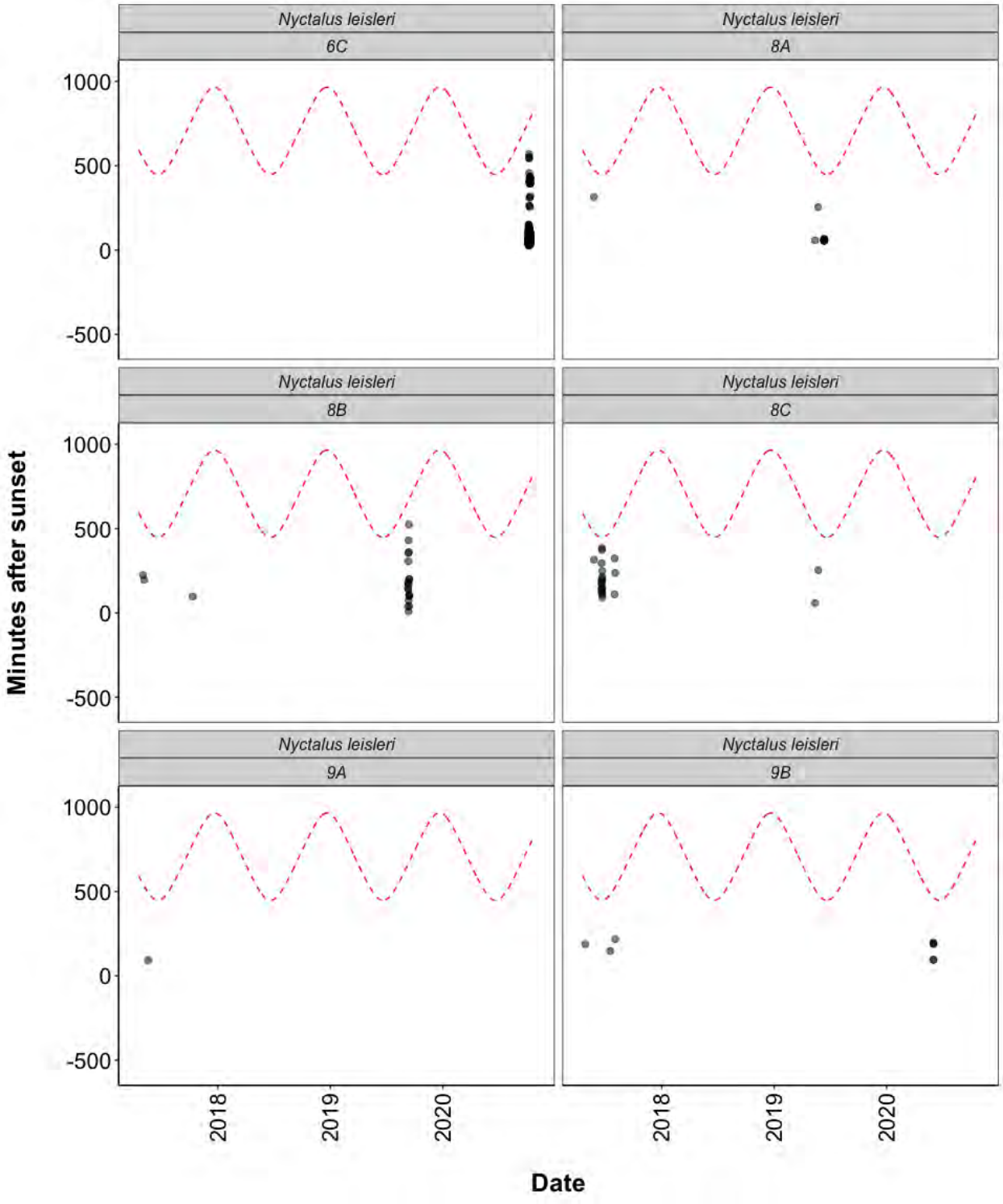

Nyctaloid
8C
Nyctaloid
9A
Nyctaloid
9B
Nyctaloid
9C
Nyctalus
12B
Nyctalus
13A
1000
500
0
-500
Minutes after sunset
2018
2019
2020
Date

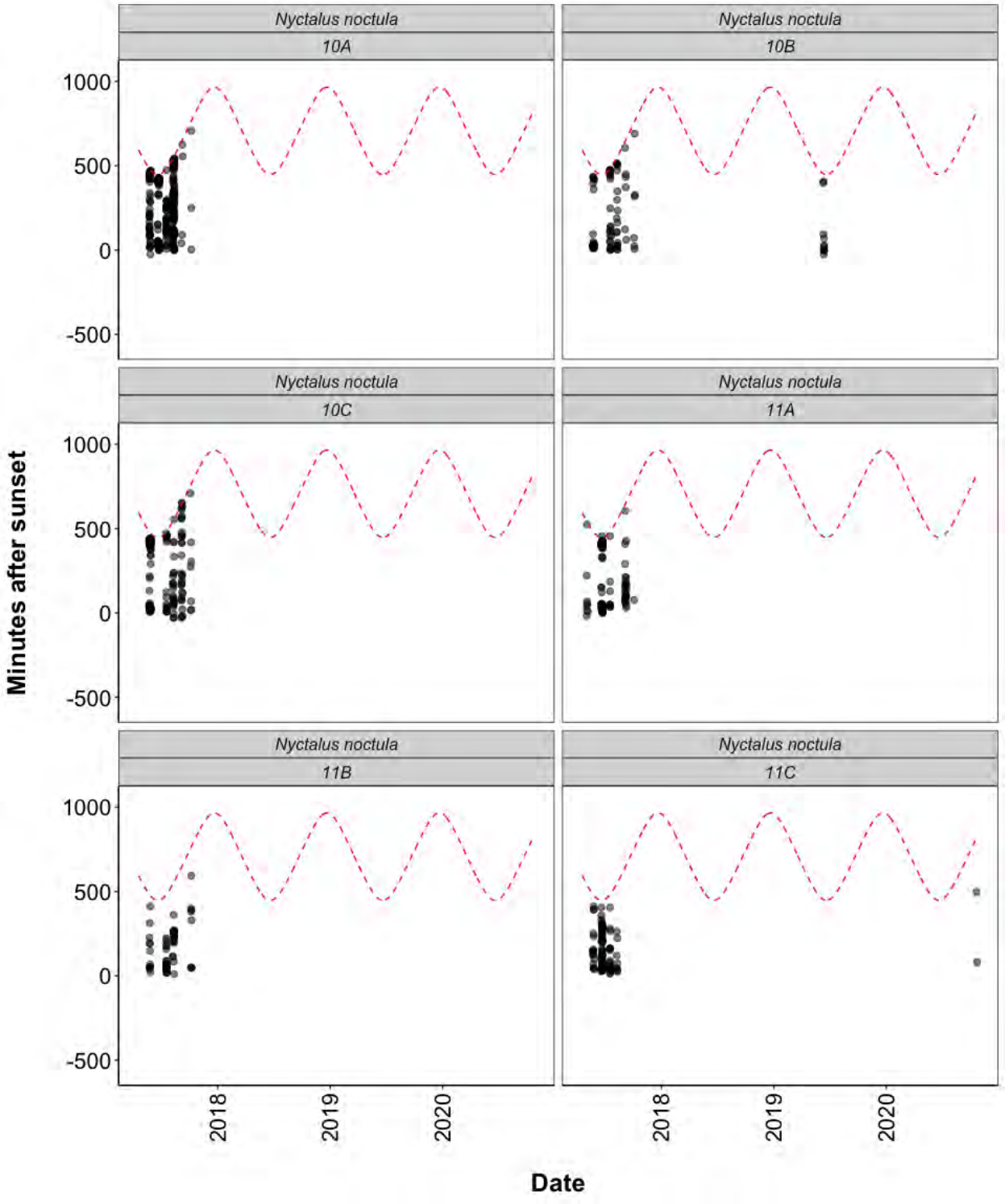

Nyctalus
13C
Nyctalus leisleri
10A
Nyctalus leisleri
10B
Nyctalus leisleri
10C
Nyctalus leisleri
11A
Nyctalus leisleri
11B
1000
500
0
-500
Minutes after sunset
2018
2019
2020
Date


Nyctalus leisleri
11C
Nyctalus leisleri
12A
Nyctalus leisleri
12B
Nyctalus leisleri
12C
Nyctalus leisleri
13A
Nyctalus leisleri
13B
1000
500
0
-500
Minutes after sunset
2018
2019
2020
Date


Nyctalus leisleri
13C
Nyctalus leisleri
2A
Nyctalus leisleri
2B
Nyctalus leisleri
2C
Nyctalus leisleri
4A
Nyctalus leisleri
4B
1000
500
0
-500
Minutes after sunset
2018
2019
2020
Date


Nyctalus leisleri
4C
Nyctalus leisleri
5A
Nyctalus leisleri
5B
Nyctalus leisleri
5C
Nyctalus leisleri
6A
Nyctalus leisleri
6B
1000
500
0
-500
Minutes after sunset
2018
2019
2020
Date


Nyctalus leisleri
6C
Nyctalus leisleri
8A
Nyctalus leisleri
8B
Nyctalus leisleri
8C
Nyctalus leisleri
9A
Nyctalus leisleri
9B
1000
500
0
-500
Minutes after sunset
2018
2019
2020
Date


Nyctalus noctula
10A
Nyctalus noctula
10B
Nyctalus noctula
10C
Nyctalus noctula
11A
Nyctalus noctula
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Nyctalus noctula
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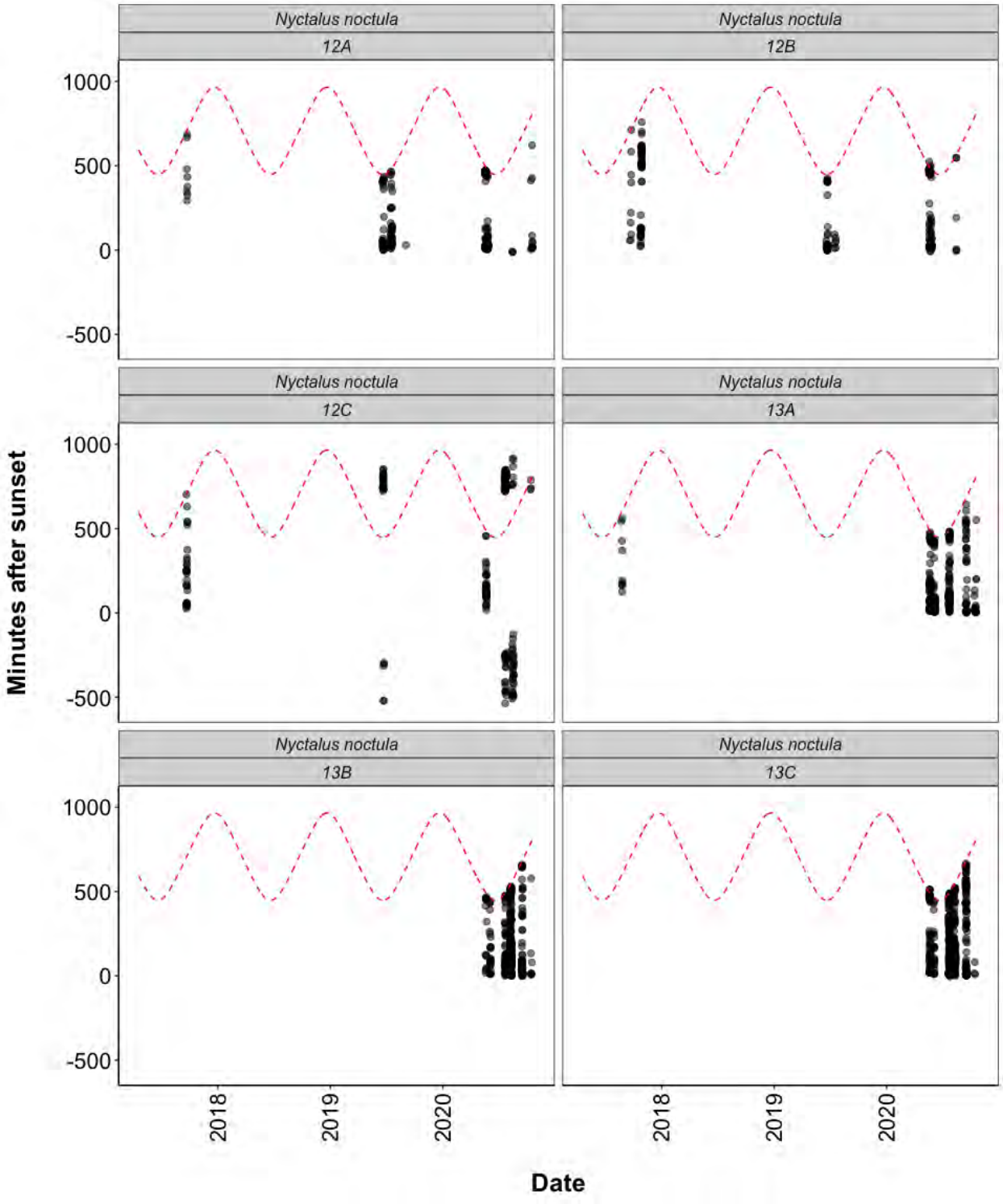
Minutes after sunset
2018
2019
2020
Date


Nyctalus noctula
12A
Nyctalus noctula
12B
Nyctalus noctula
12C
Nyctalus noctula
13A
Nyctalus noctula
13B
Nyctalus noctula
13C
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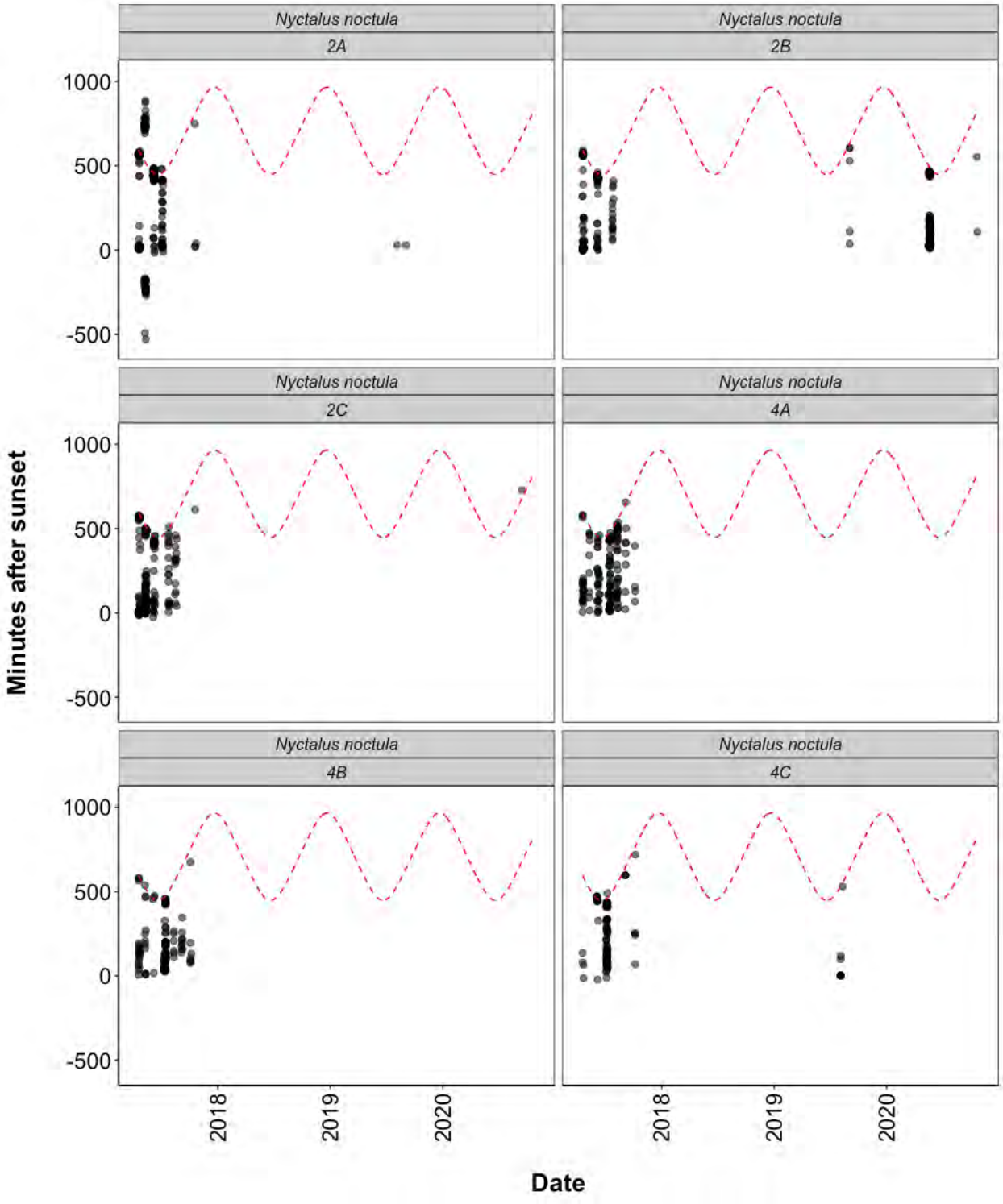
Minutes after sunset
2018
2019
2020
Date


Nyctalus noctula
2A
Nyctalus noctula
2B
Nyctalus noctula
2C
Nyctalus noctula
4A
Nyctalus noctula
4B
Nyctalus noctula
4C
1000
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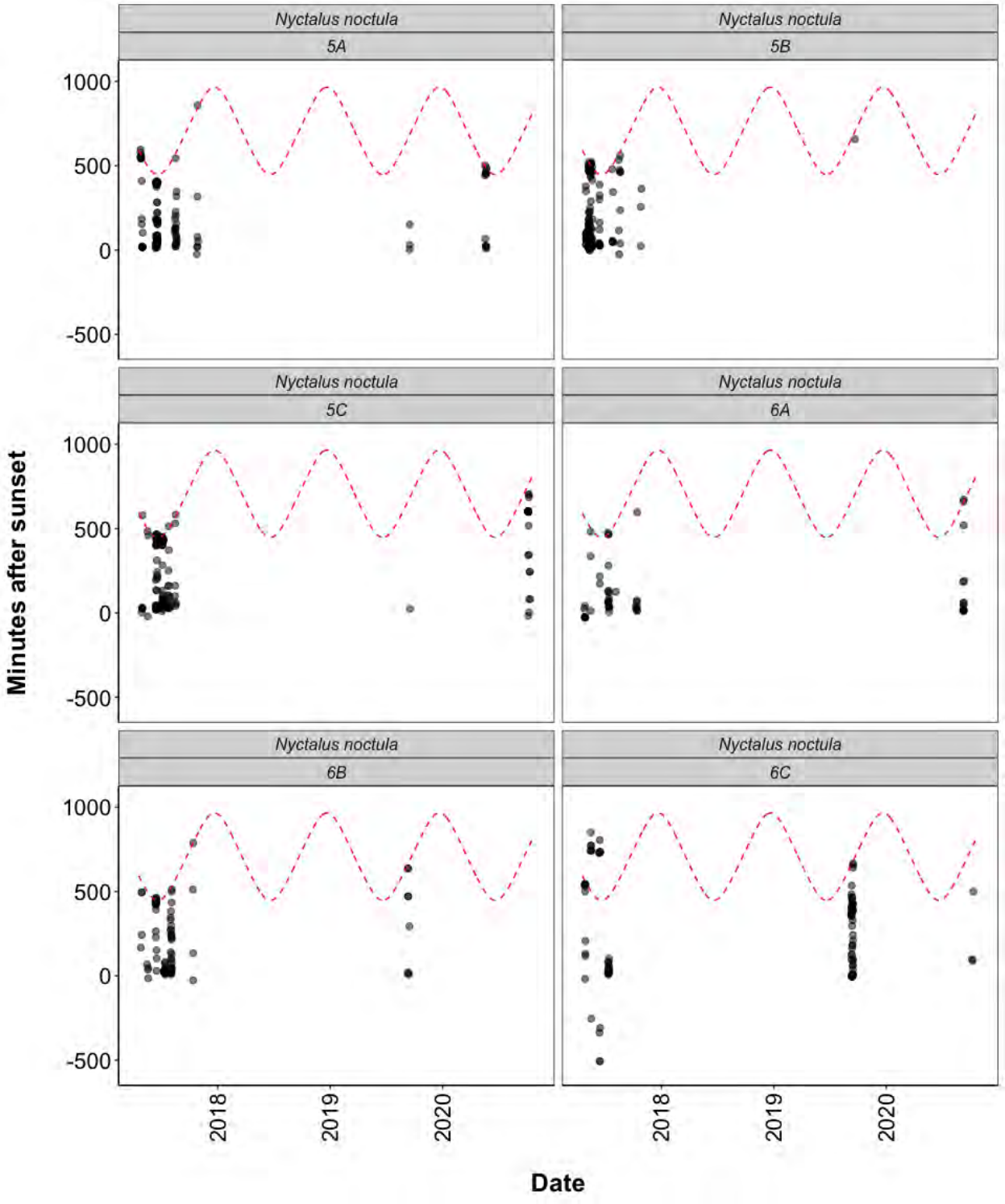
-500
Minutes after sunset
2018
2019
2020
Date


Nyctalus noctula
5A
Nyctalus noctula
5B
Nyctalus noctula
5C
Nyctalus noctula
6A
Nyctalus noctula
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Nyctalus noctula
6C
1000
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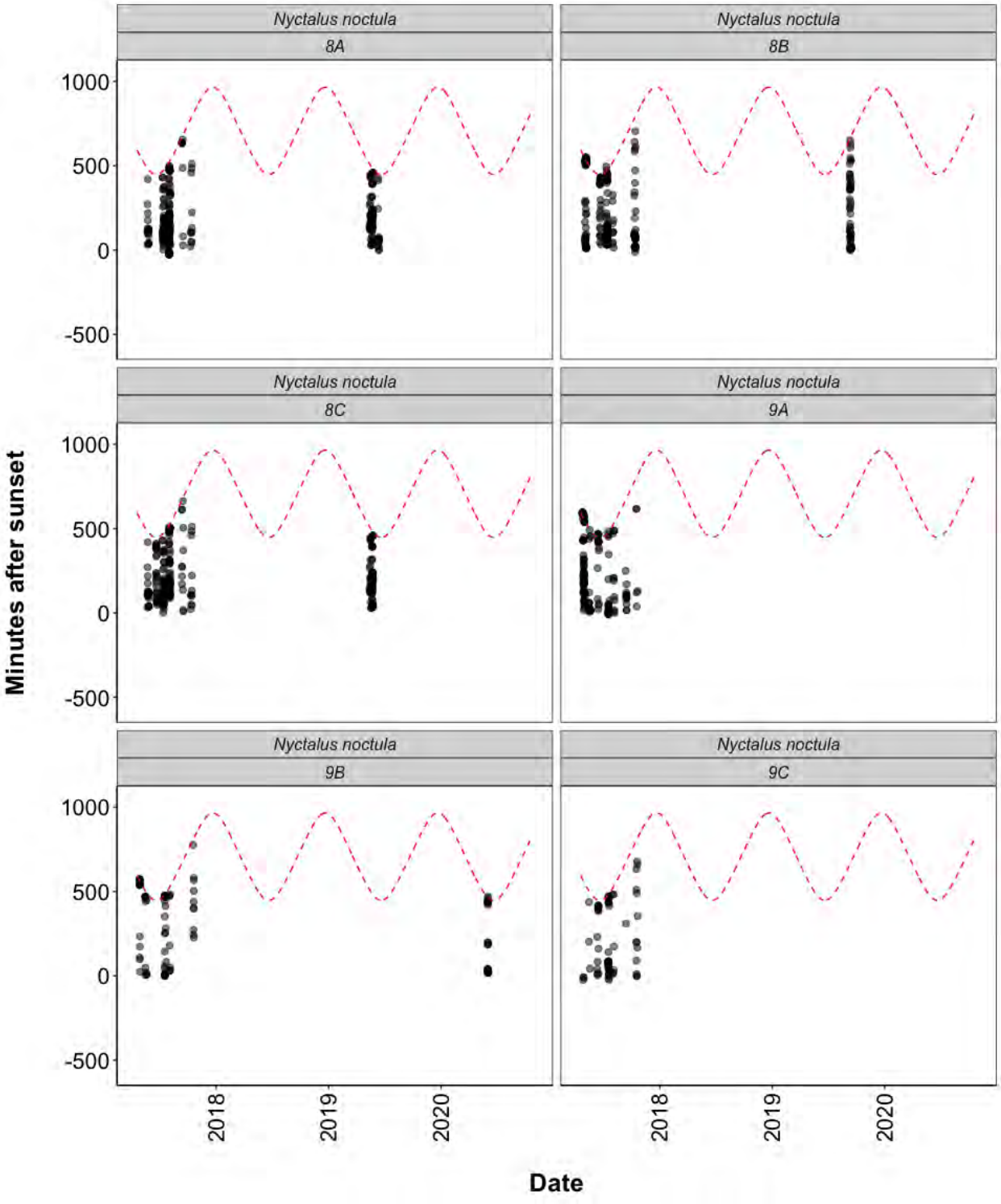
0
-500
Minutes after sunset
2018
2019
2020
Date


Nyctalus noctula
8A
Nyctalus noctula
8B
Nyctalus noctula
8C
Nyctalus noctula
9A
Nyctalus noctula
9B
Nyctalus noctula
9C
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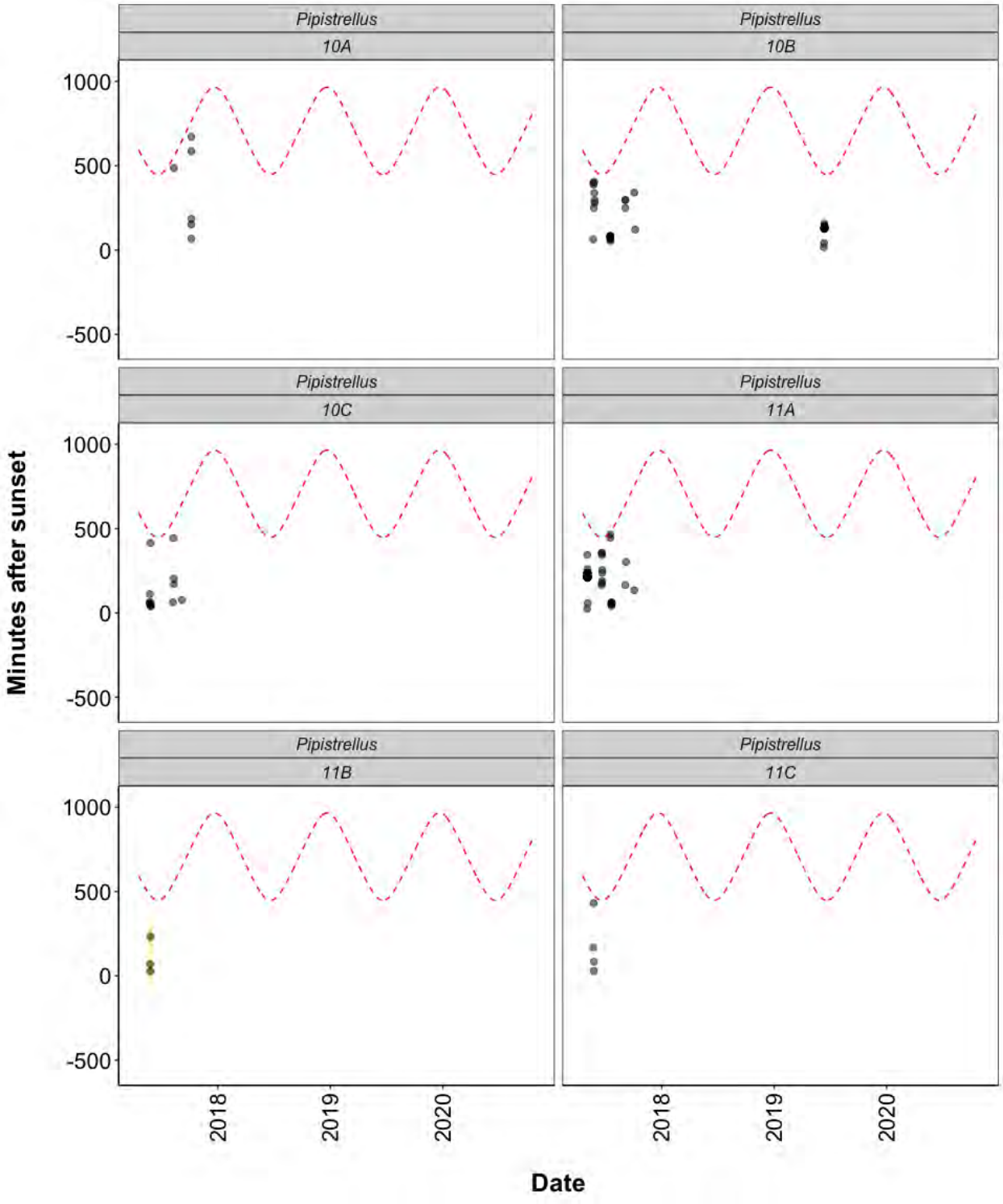
-500
Minutes after sunset
2018
2019
2020
Date


Pipistrellus
10A
Pipistrellus
10B
Pipistrellus
10C
Pipistrellus
11A
Pipistrellus
11B
Pipistrellus
11C
1000
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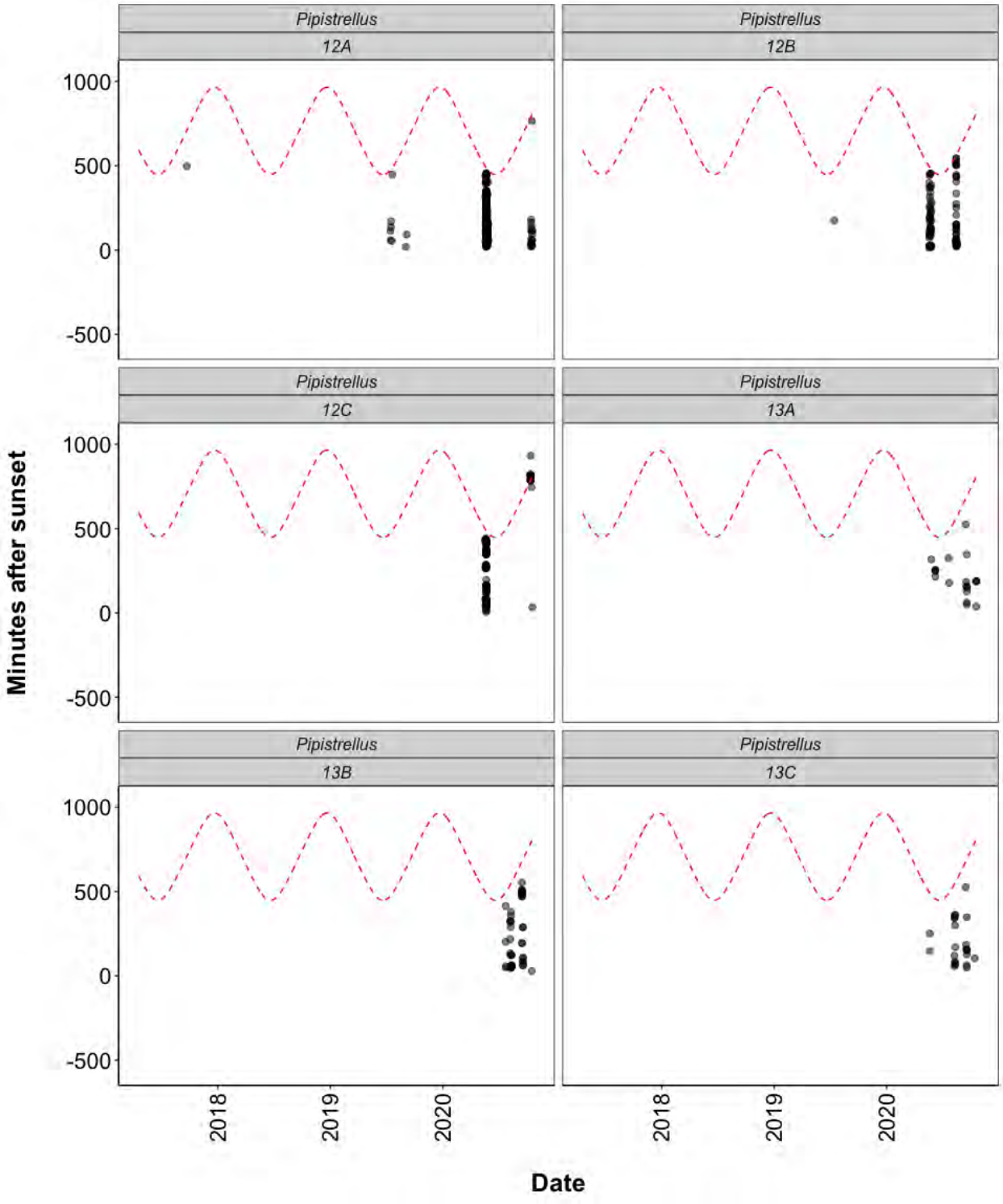
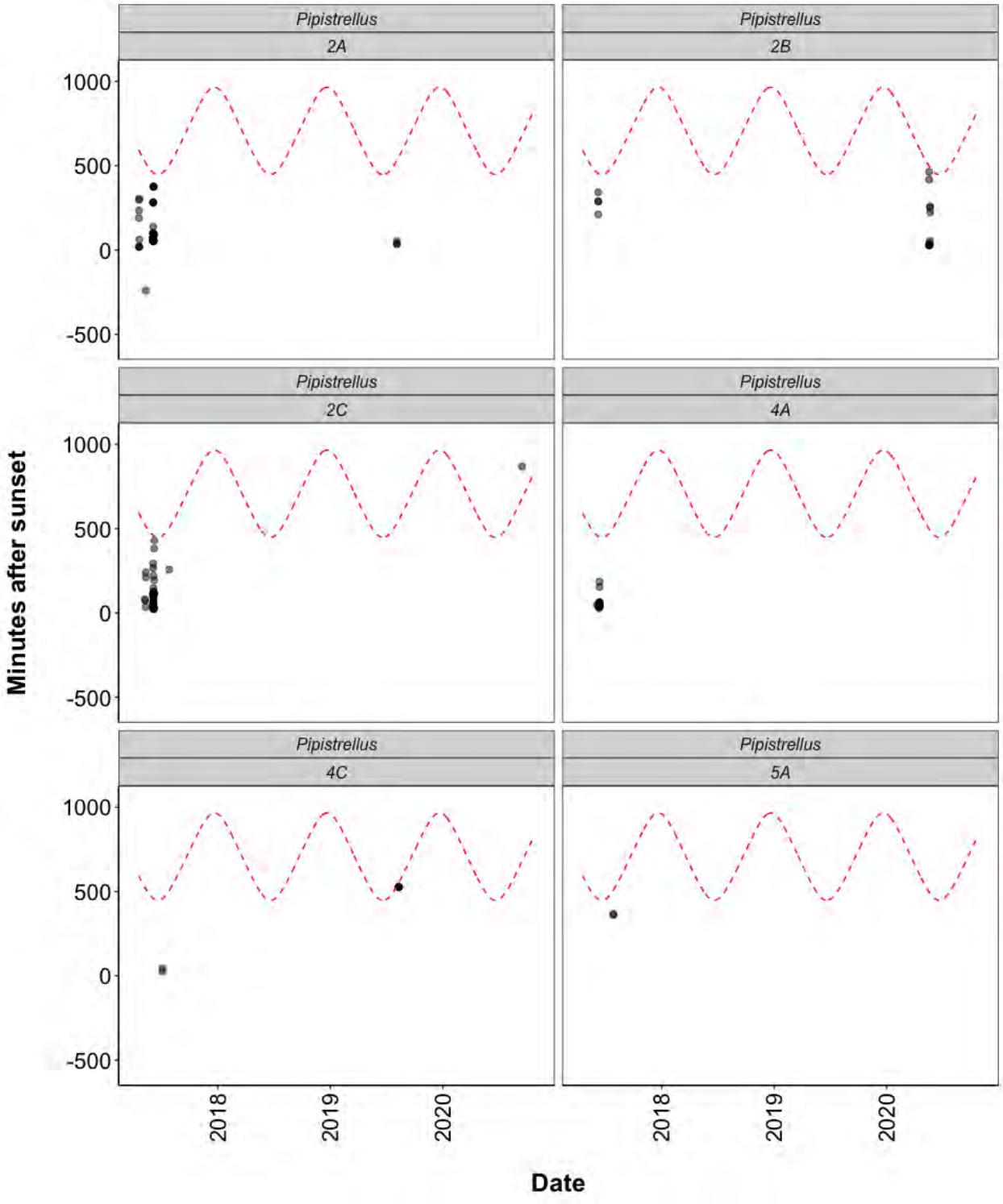
0
-500
Minutes after sunset
2018
2019
2020
Date


Pipistrellus
12A
Pipistrellus
12B
Pipistrellus
12C
Pipistrellus
13A
Pipistrellus
13B
Pipistrellus
13C
1000
500
0
-500
Minutes after sunset
2018
2019
2020
Date


Pipistrellus
2A
Pipistrellus
2B
Pipistrellus
2C
Pipistrellus
4A
Pipistrellus
4C
Pipistrellus
5A
1000
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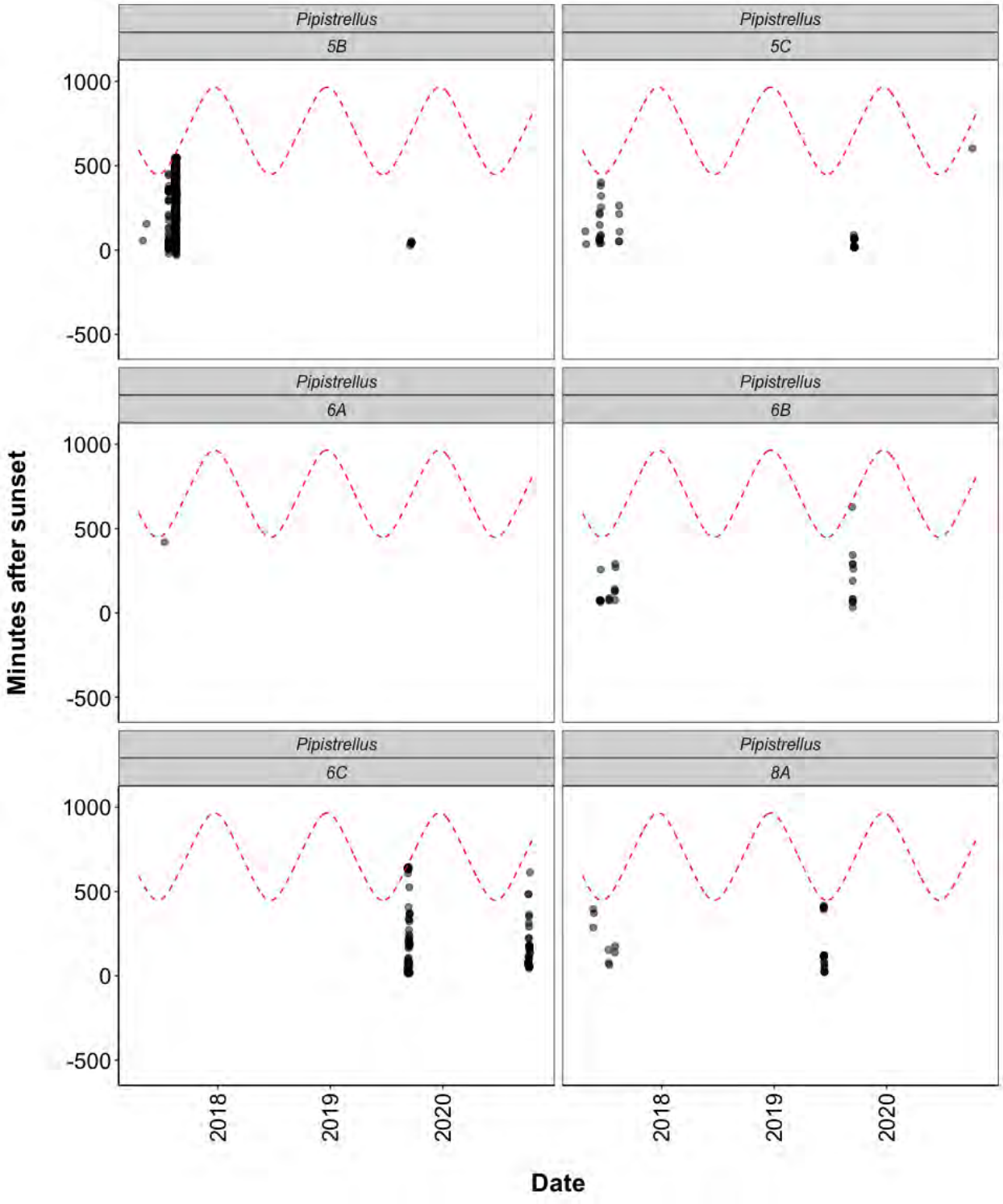
0
-500
Minutes after sunset
2018
2019
2020
Date


Pipistrellus
5B
Pipistrellus
5C
Pipistrellus
6A
Pipistrellus
6B
Pipistrellus
6C
Pipistrellus
8A
1000
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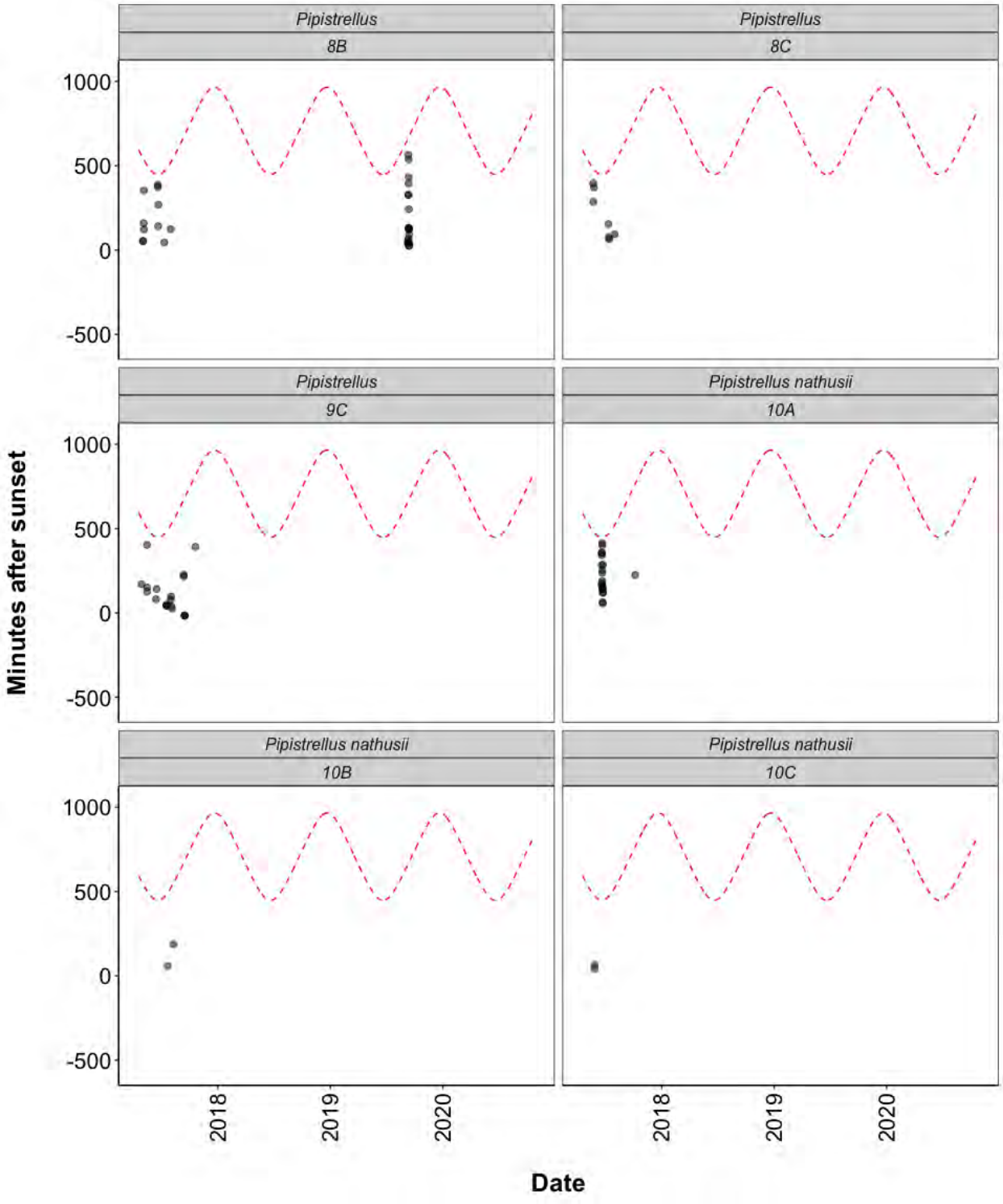
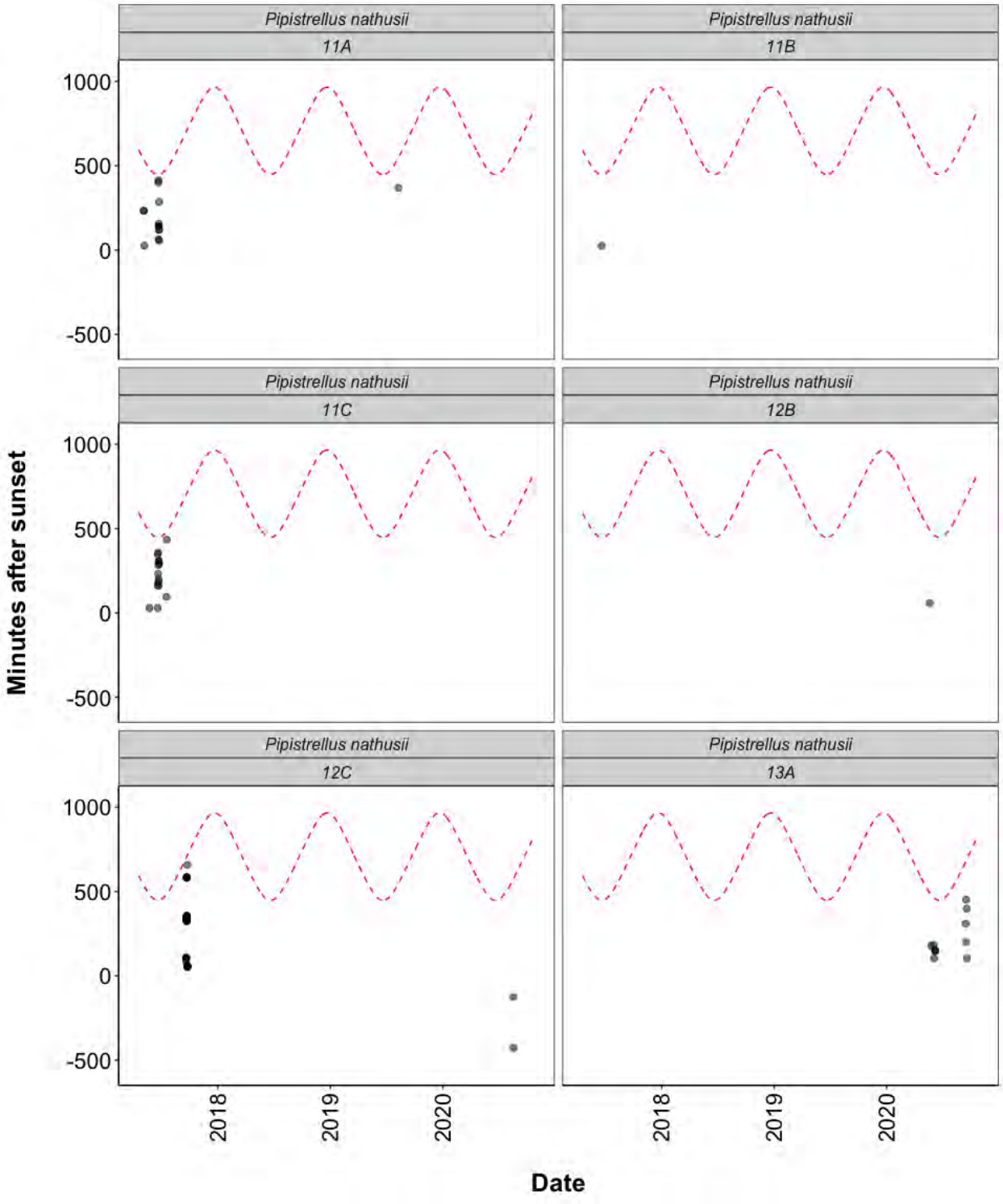
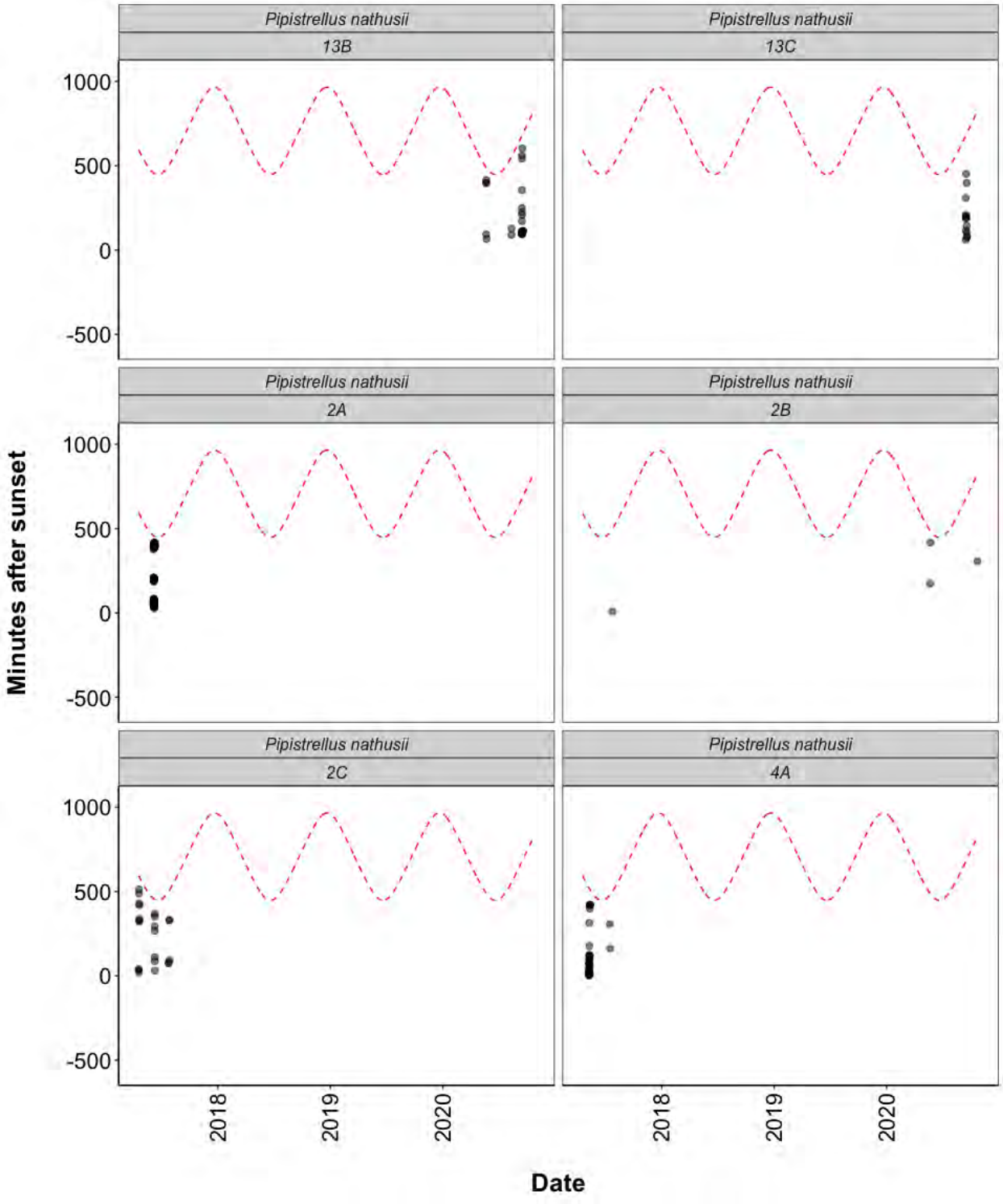
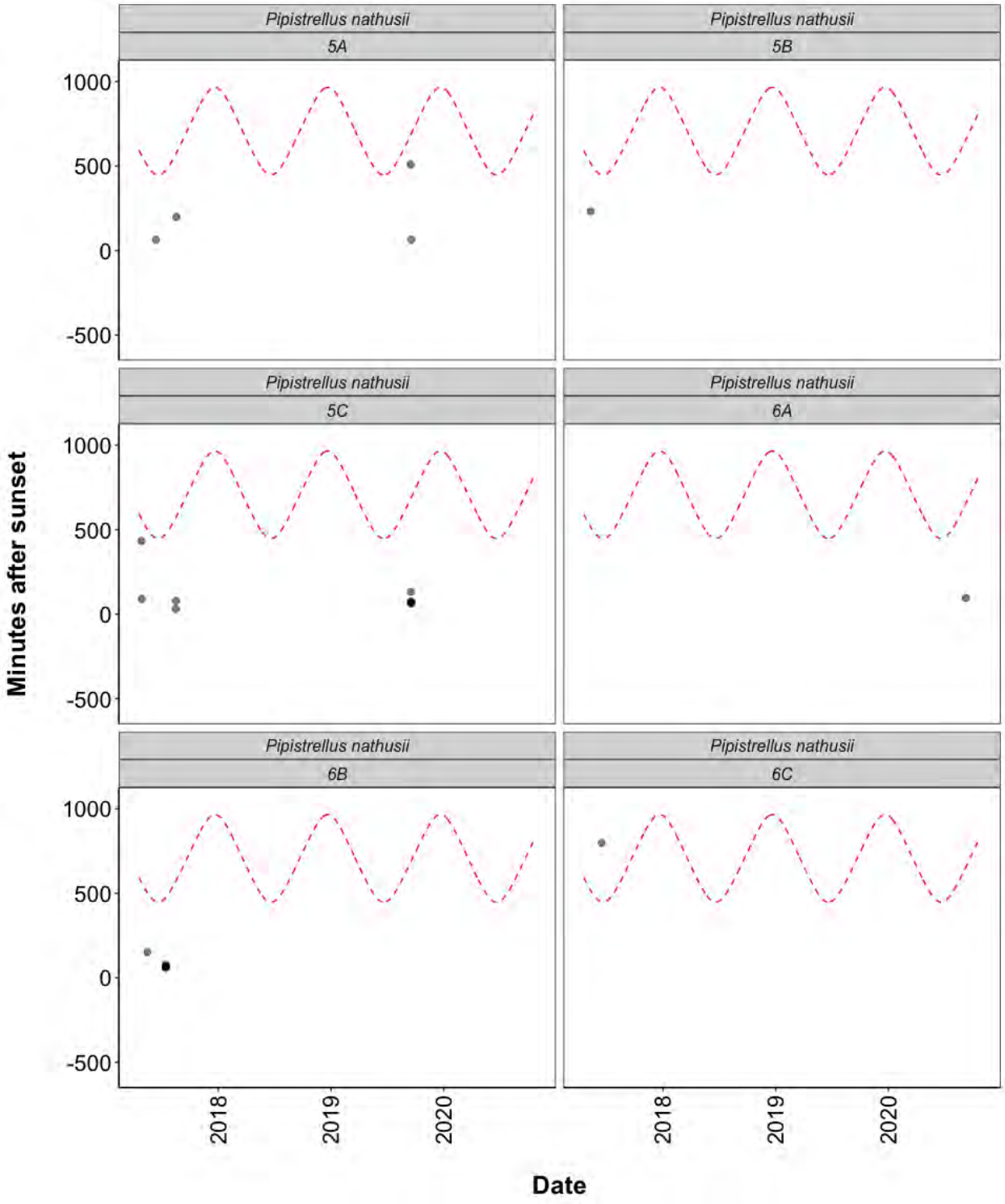
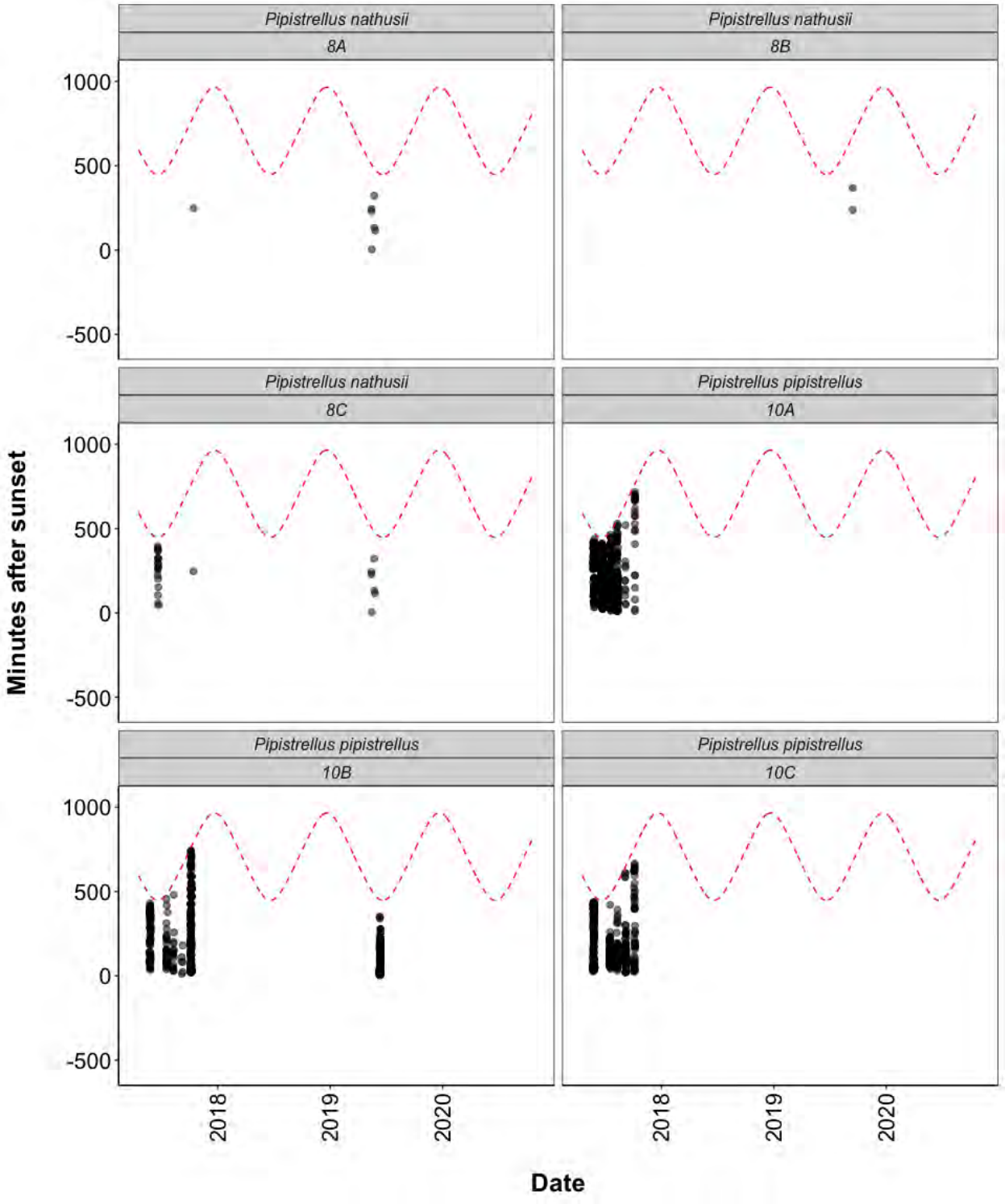
0
-500
Minutes after sunset
2018
2019
2020
Date

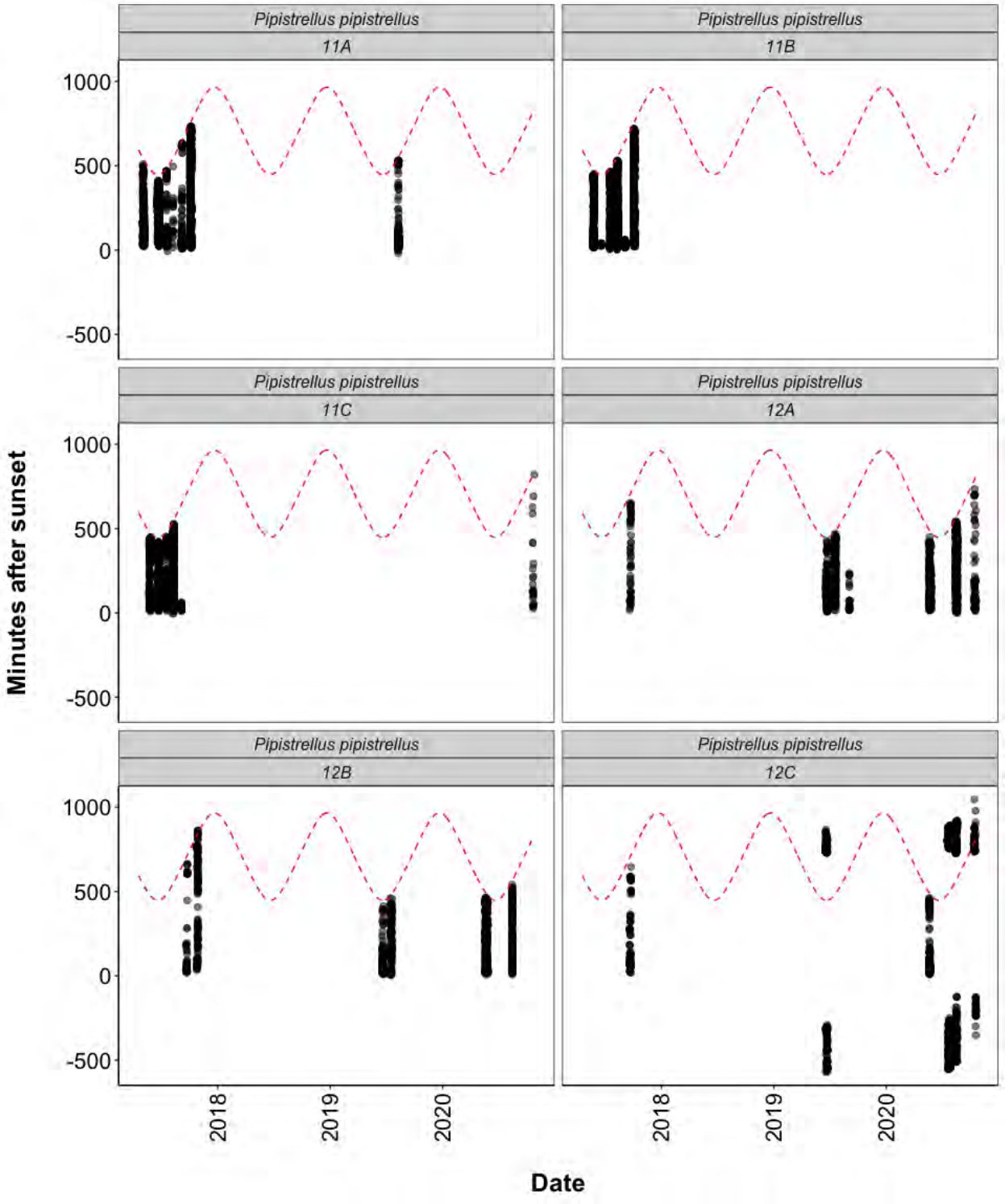

Pipistrellus
8B
Pipistrellus
8C
Pipistrellus
9C
Pipistrellus nathusii
10A
Pipistrellus nathusii
10B
Pipistrellus nathusii
10C
1000
500
0
-500
Minutes after sunset
2018
2019
2020
Date

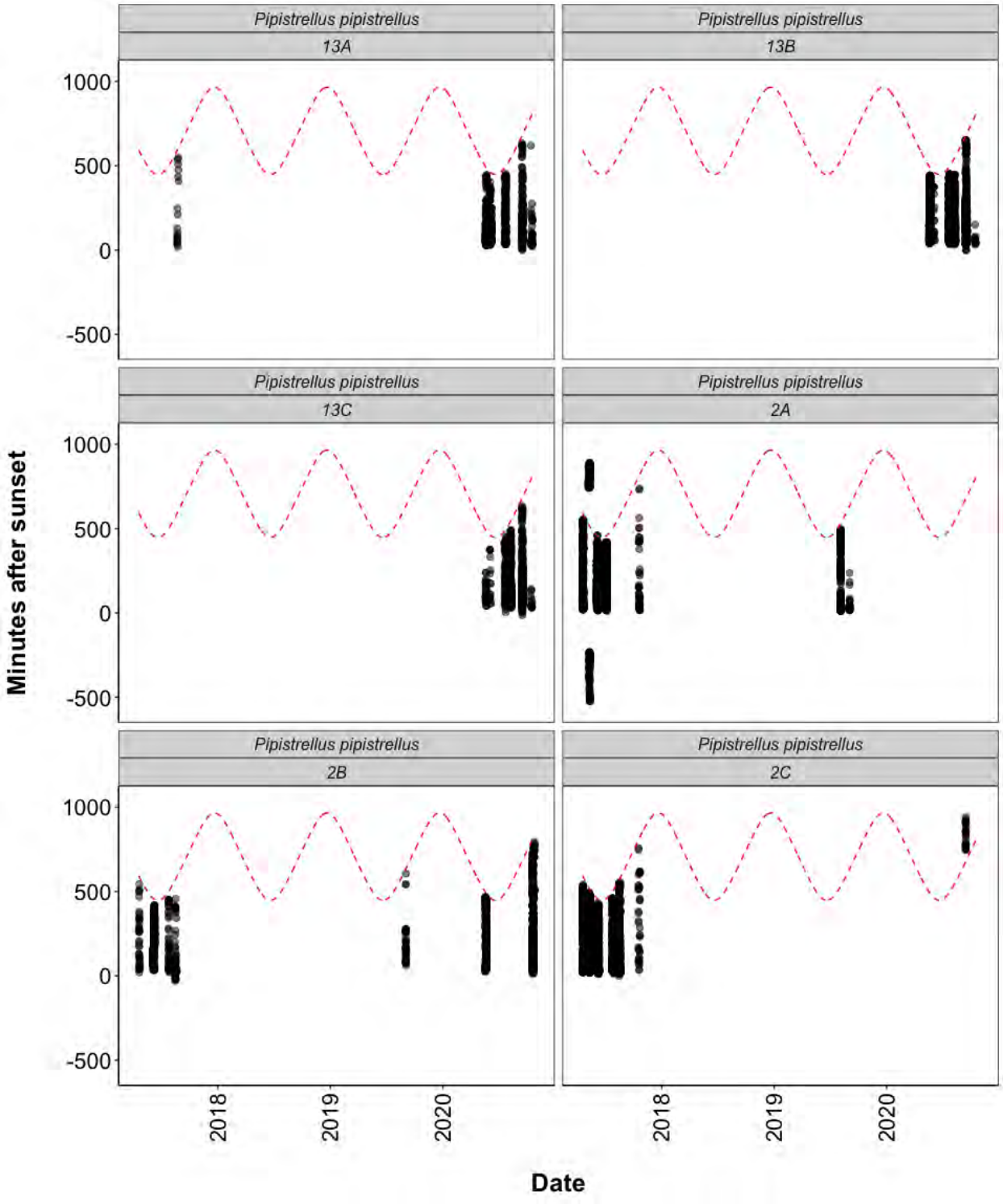

Pipistrellus nathusii
11A
Pipistrellus nathusii
11B
Pipistrellus nathusii
11C
Pipistrellus nathusii
12B
Pipistrellus nathusii
12C
Pipistrellus nathusii
13A
1000
500
0
-500
Minutes after sunset
2018
2019
2020
Date


Pipistrellus nathusii
13B
Pipistrellus nathusii
13C
Pipistrellus nathusii
2A
Pipistrellus nathusii
2B
Pipistrellus nathusii
2C
Pipistrellus nathusii
4A
1000
500
0
-500
Minutes after sunset
2018
2019
2020
Date


Pipistrellus nathusii
5A
Pipistrellus nathusii
5B
Pipistrellus nathusii
5C
Pipistrellus nathusii
6A
Pipistrellus nathusii
6B
Pipistrellus nathusii
6C
1000
500
0
-500
Minutes after sunset
2018
2019
2020
Date


Pipistrellus nathusii
8A
Pipistrellus nathusii
8B
Pipistrellus nathusii
8C
Pipistrellus pipistrellus
10A
Pipistrellus pipistrellus
10B
Pipistrellus pipistrellus
10C
1000
500
0
-500
Minutes after sunset
2018
2019
2020
Date


Pipistrellus pipistrellus
11A
11B
11C
12A
12B
12C
1000
500
0
-500
Minutes after sunset
2018
2019
2020
Date


Pipistrellus pipistrellus
13A
Pipistrellus pipistrellus
13B
Pipistrellus pipistrellus
13C
Pipistrellus pipistrellus
2A
Pipistrellus pipistrellus
2B
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2C
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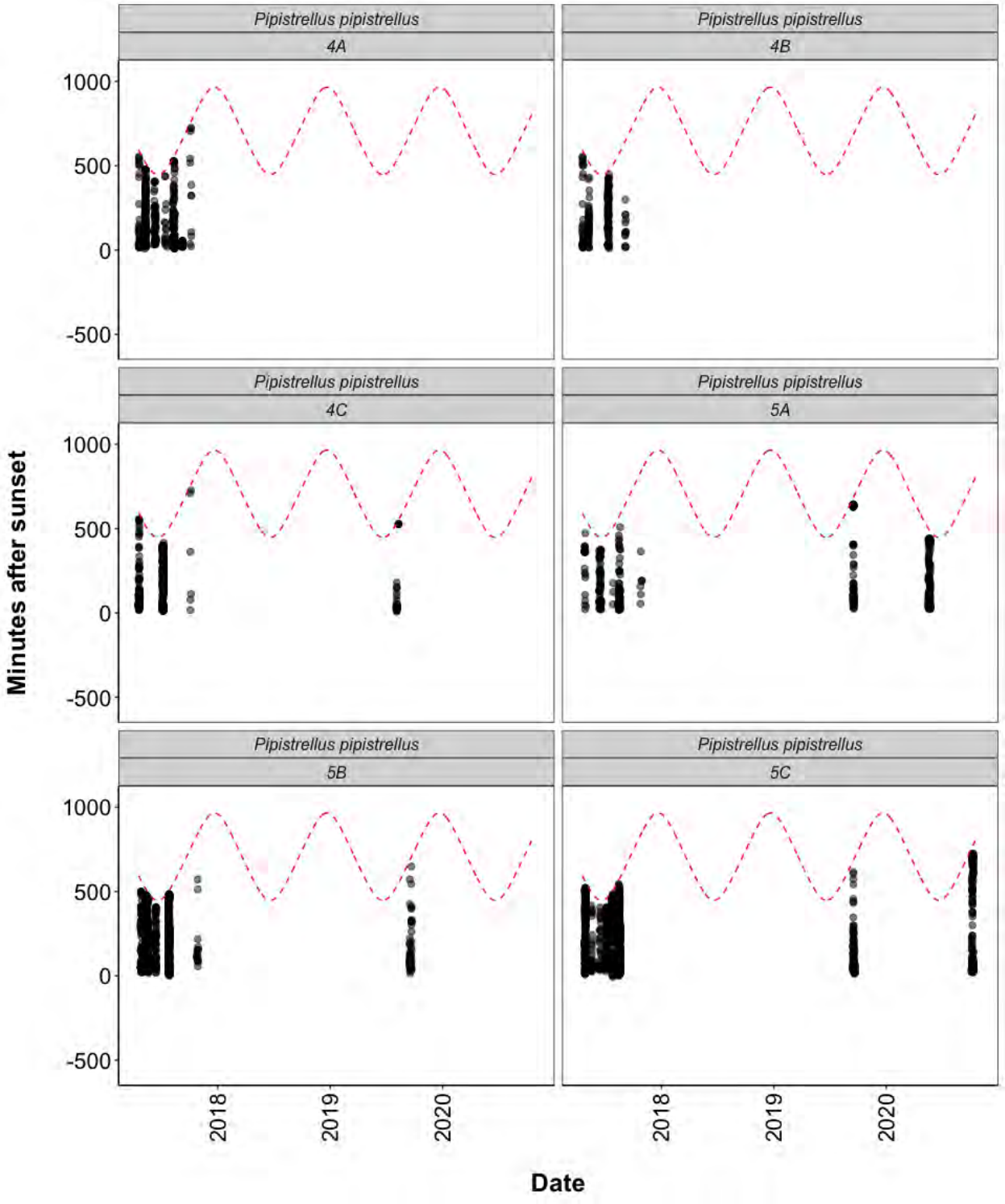
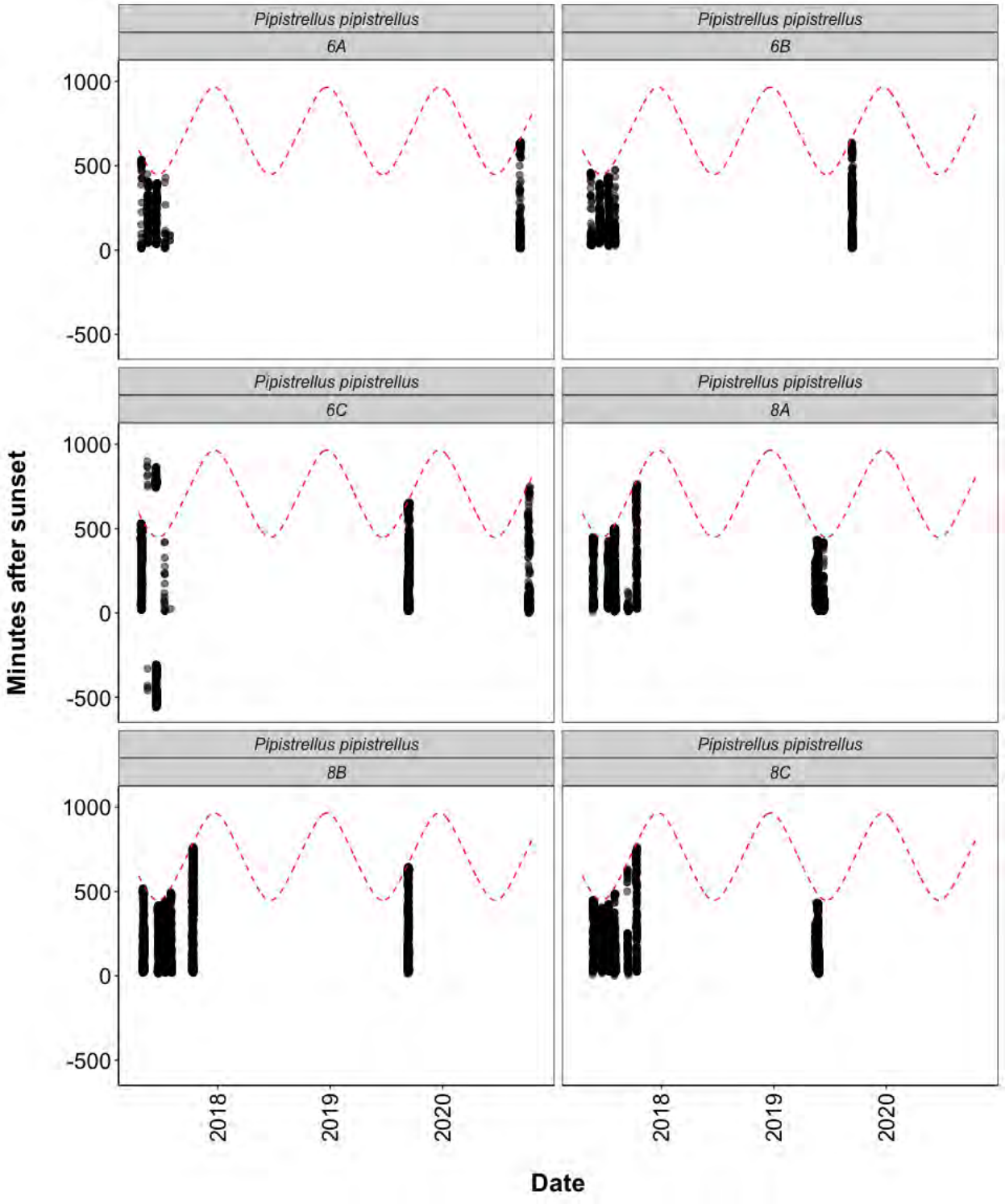
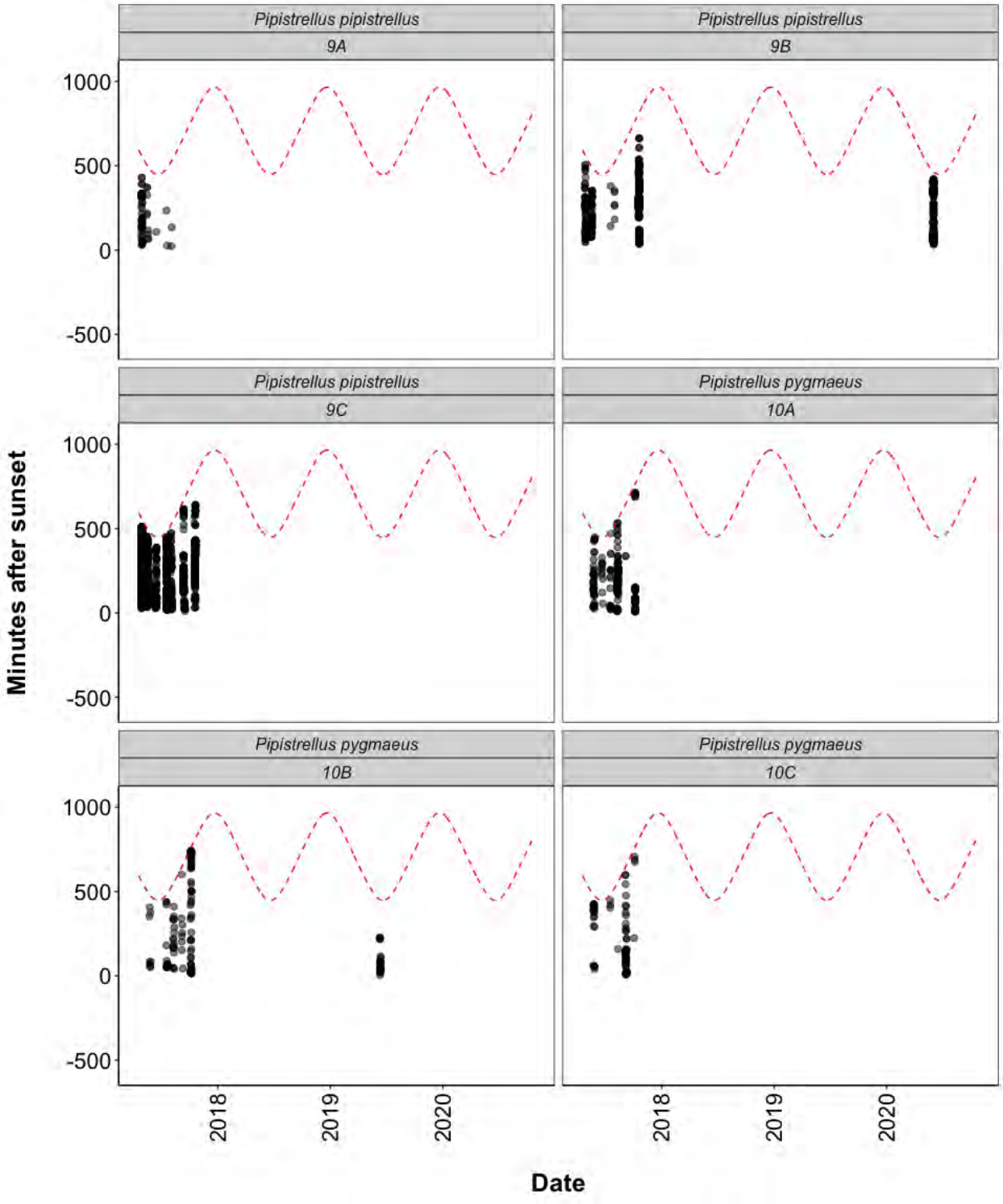
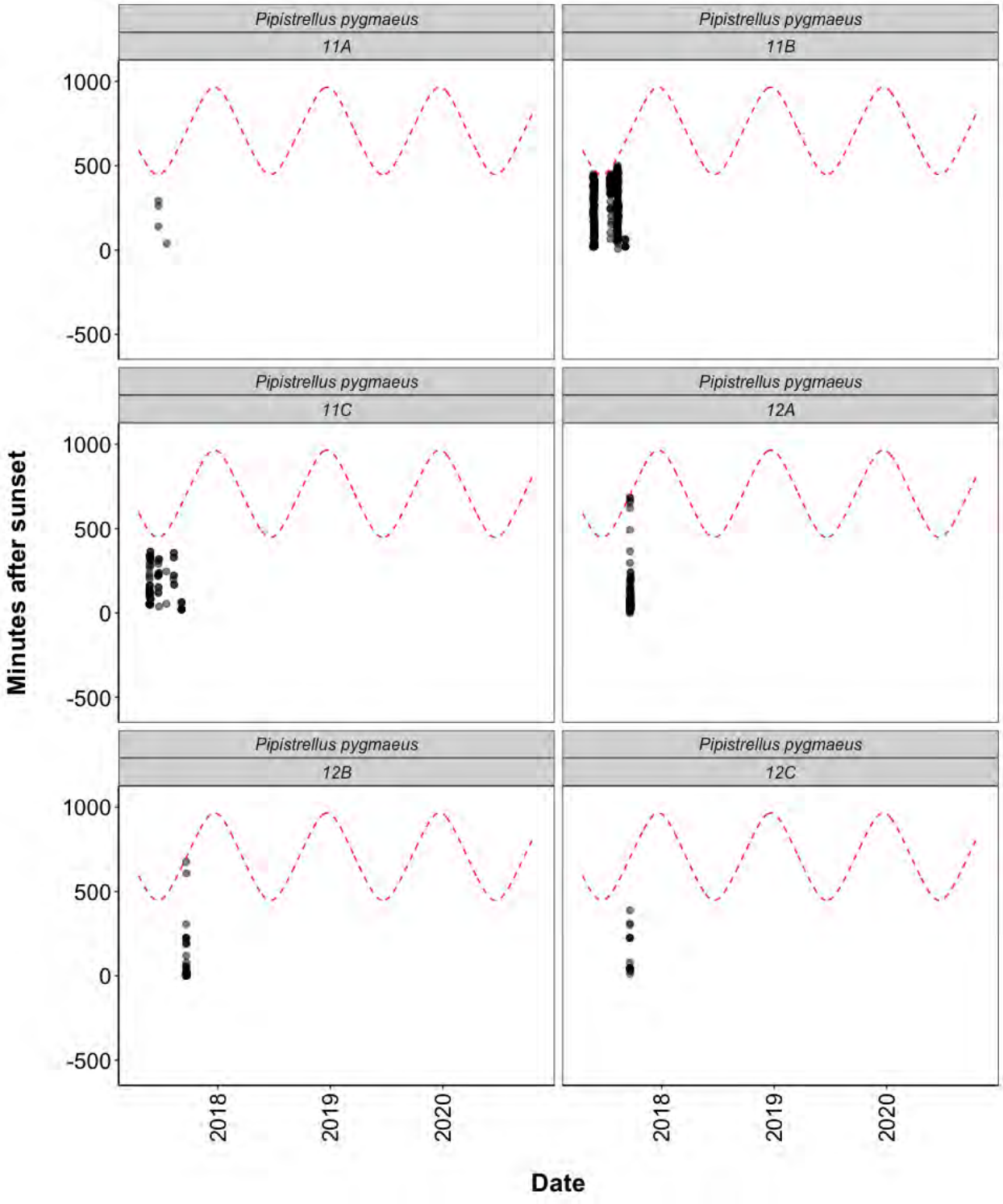
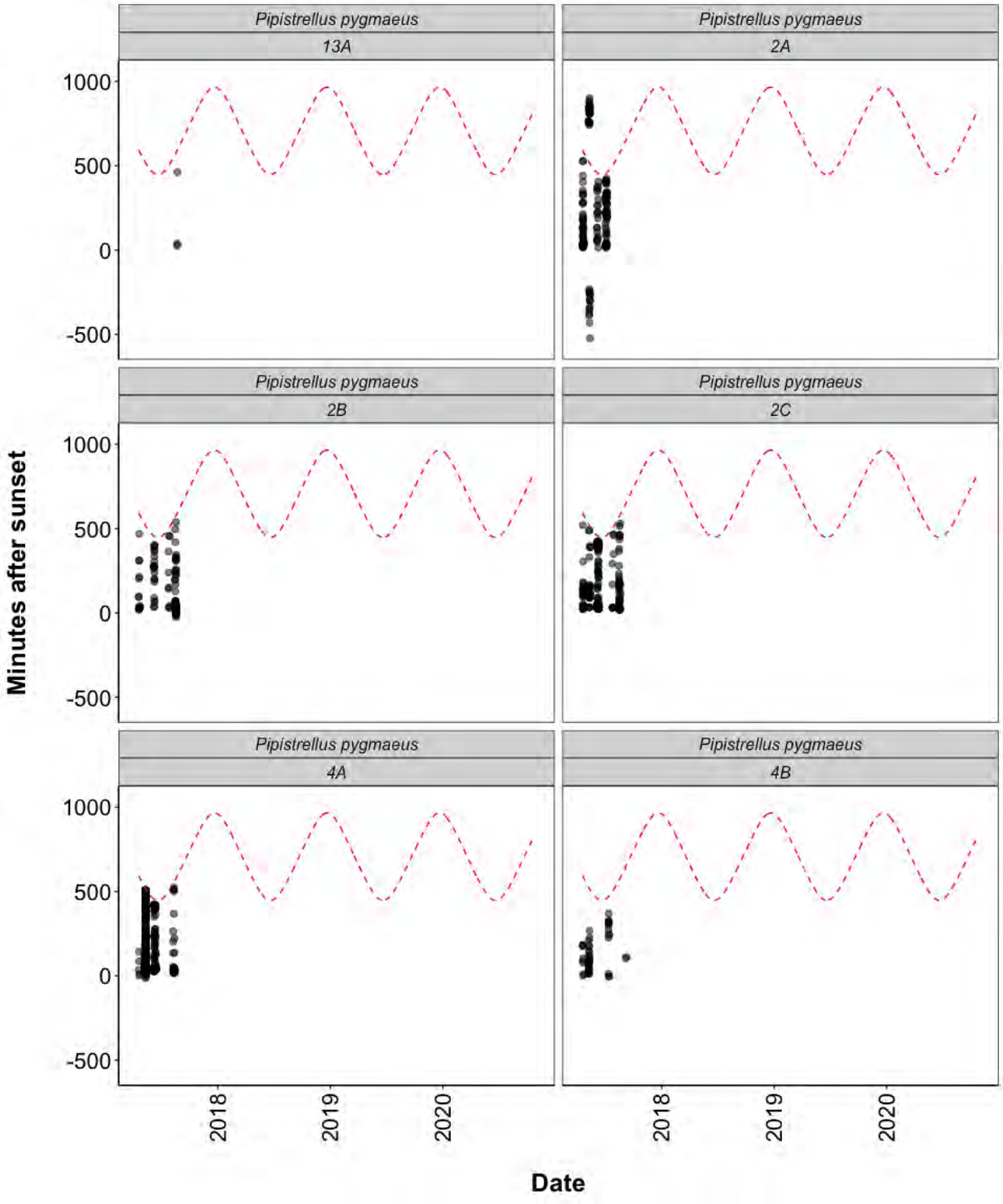
Minutes after sunset
2018
2019
2020
Date

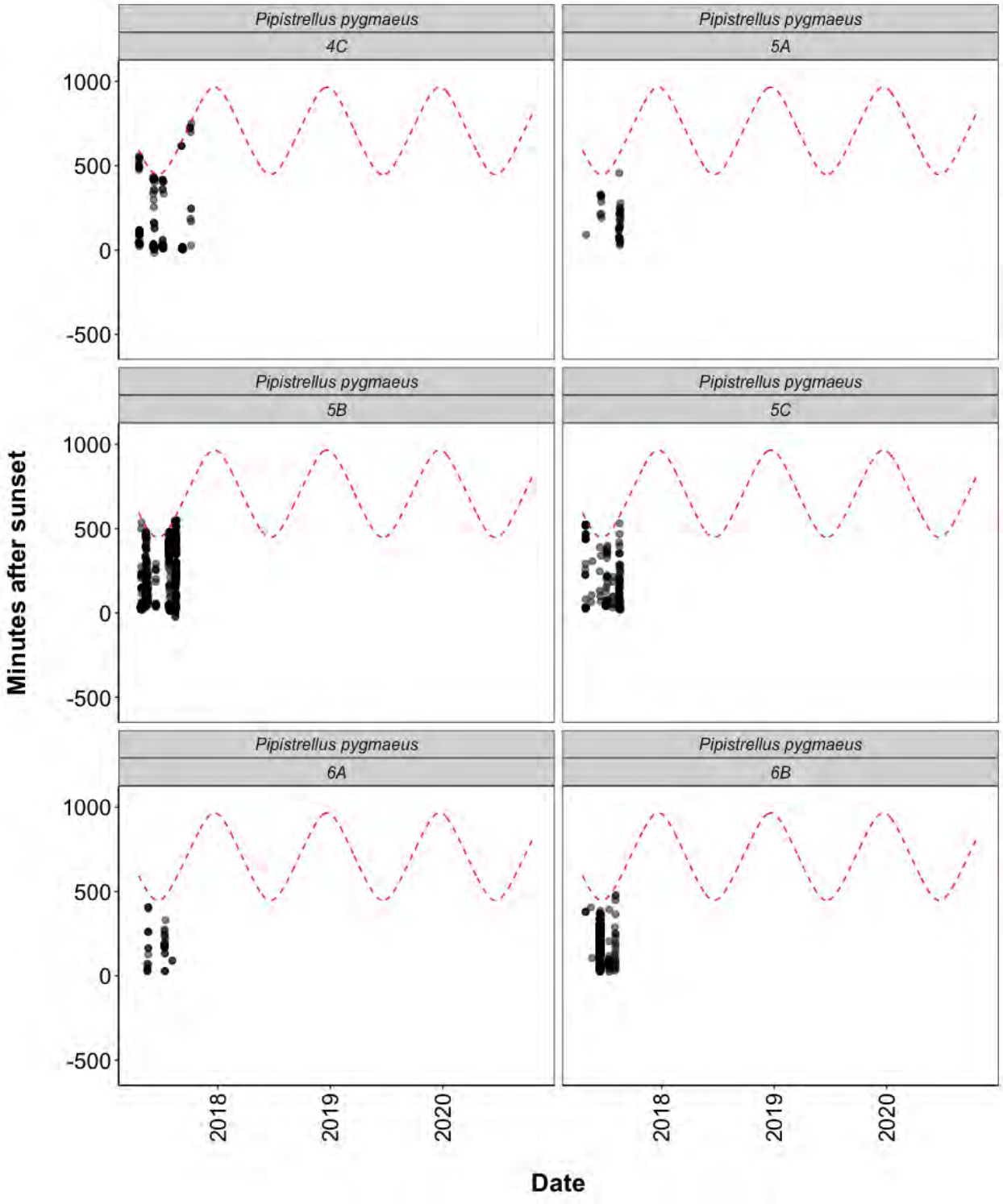

Pipistrellus pipistrellus
4A
Pipistrellus pipistrellus
4B
Pipistrellus pipistrellus
4C
Pipistrellus pipistrellus
5A
Pipistrellus pipistrellus
5B
Pipistrellus pipistrellus
5C
1000
500
0
-500
Minutes after sunset
2018
2019
2020
Date

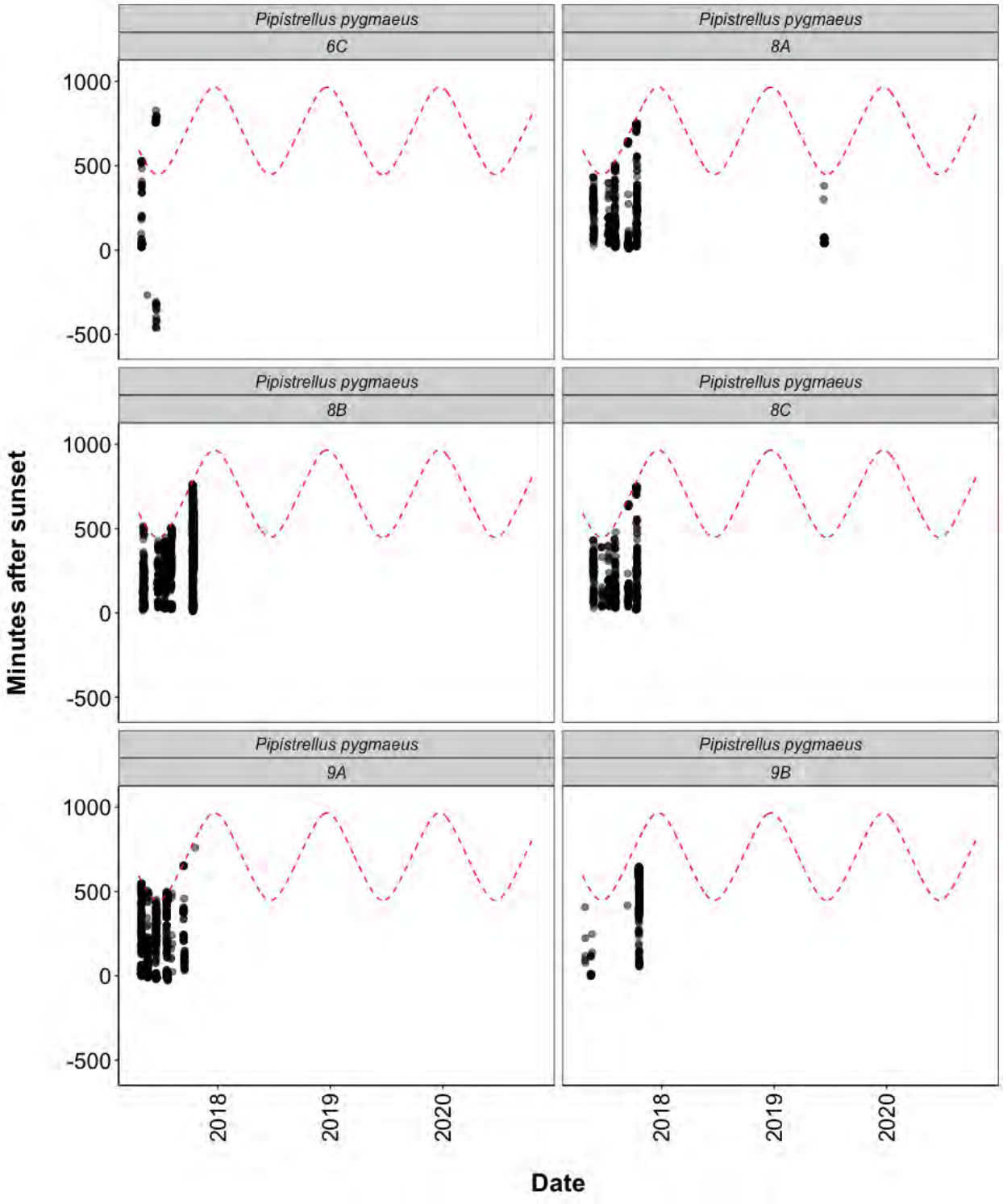

Pipistrellus pipistrellus
6A
Pipistrellus pipistrellus
6B
Pipistrellus pipistrellus
6C
Pipistrellus pipistrellus
8A
Pipistrellus pipistrellus
8B
Pipistrellus pipistrellus
8C
1000
500
0
-500
Minutes after sunset
2018
2019
2020
Date

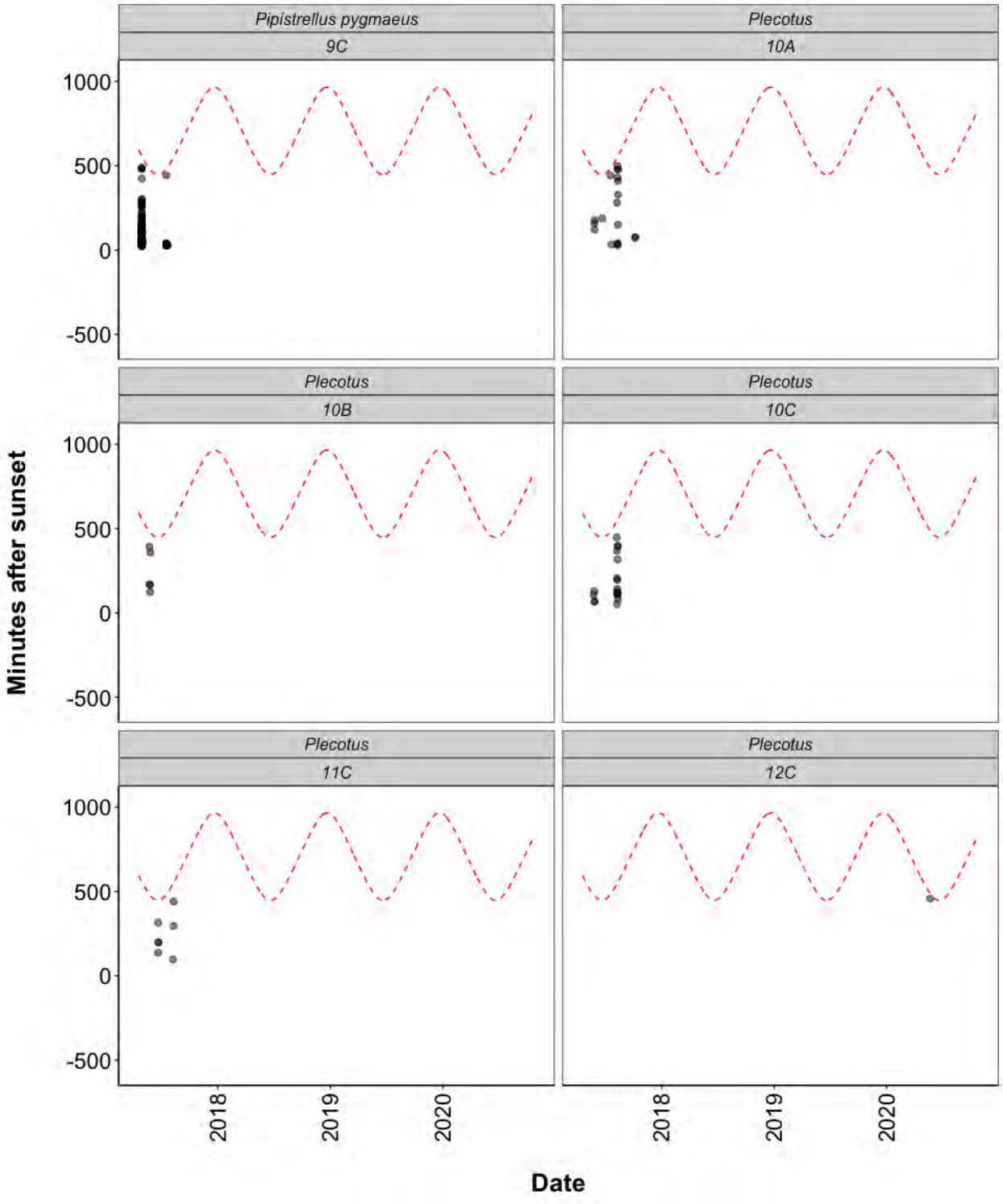

Pipistrellus pipistrellus
9A
Pipistrellus pipistrellus
9B
Pipistrellus pipistrellus
9C
Pipistrellus pygmaeus
10A
Pipistrellus pygmaeus
10B
Pipistrellus pygmaeus
10C
1000
500
0
-500
Minutes after sunset
2018
2019
2020
Date

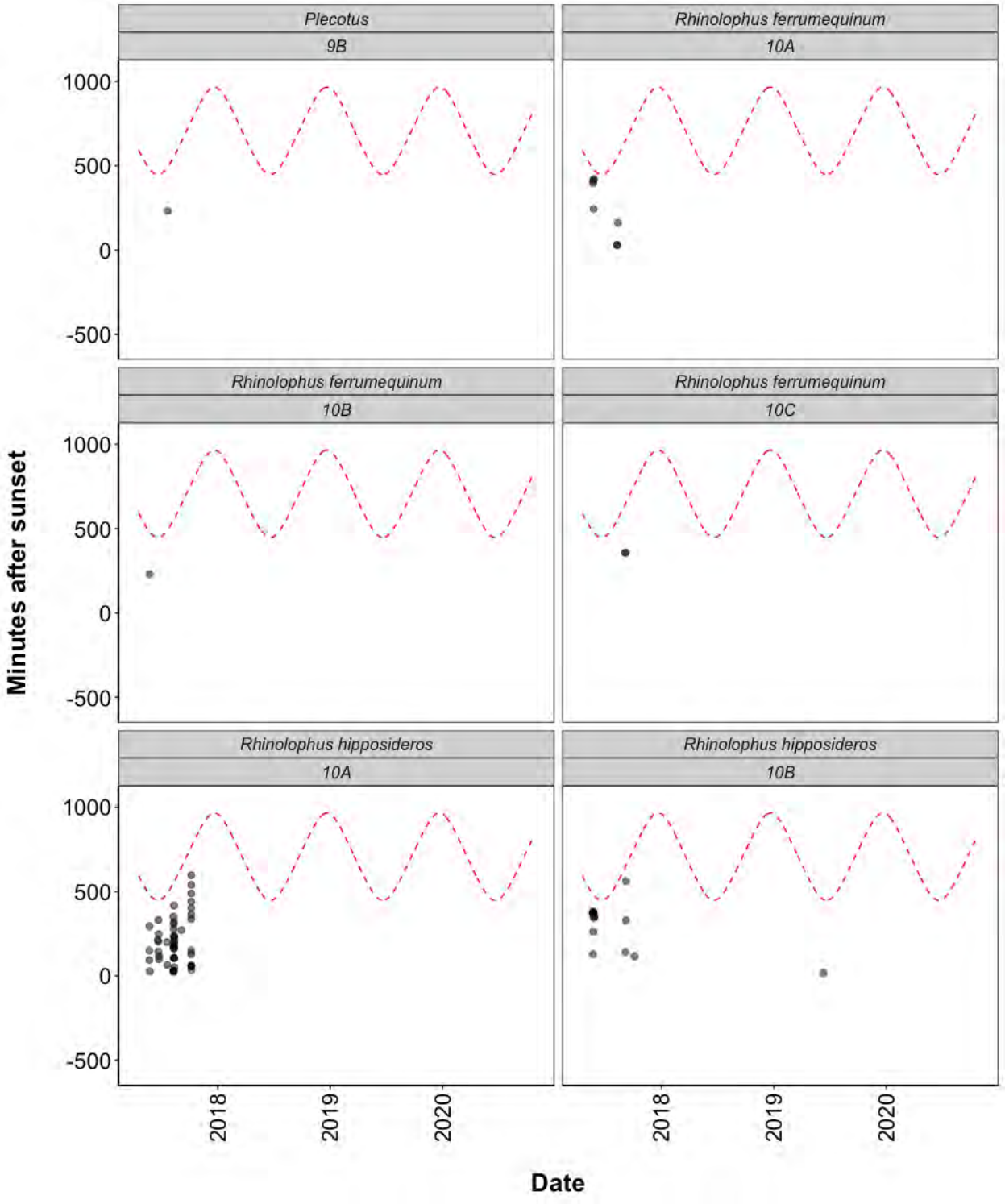

Pipistrellus pygmaeus
11A
Pipistrellus pygmaeus
11B
Pipistrellus pygmaeus
11C
Pipistrellus pygmaeus
12A
Pipistrellus pygmaeus
12B
Pipistrellus pygmaeus
12C
1000
500
0
-500
Minutes after sunset
2018
2019
2020
Date

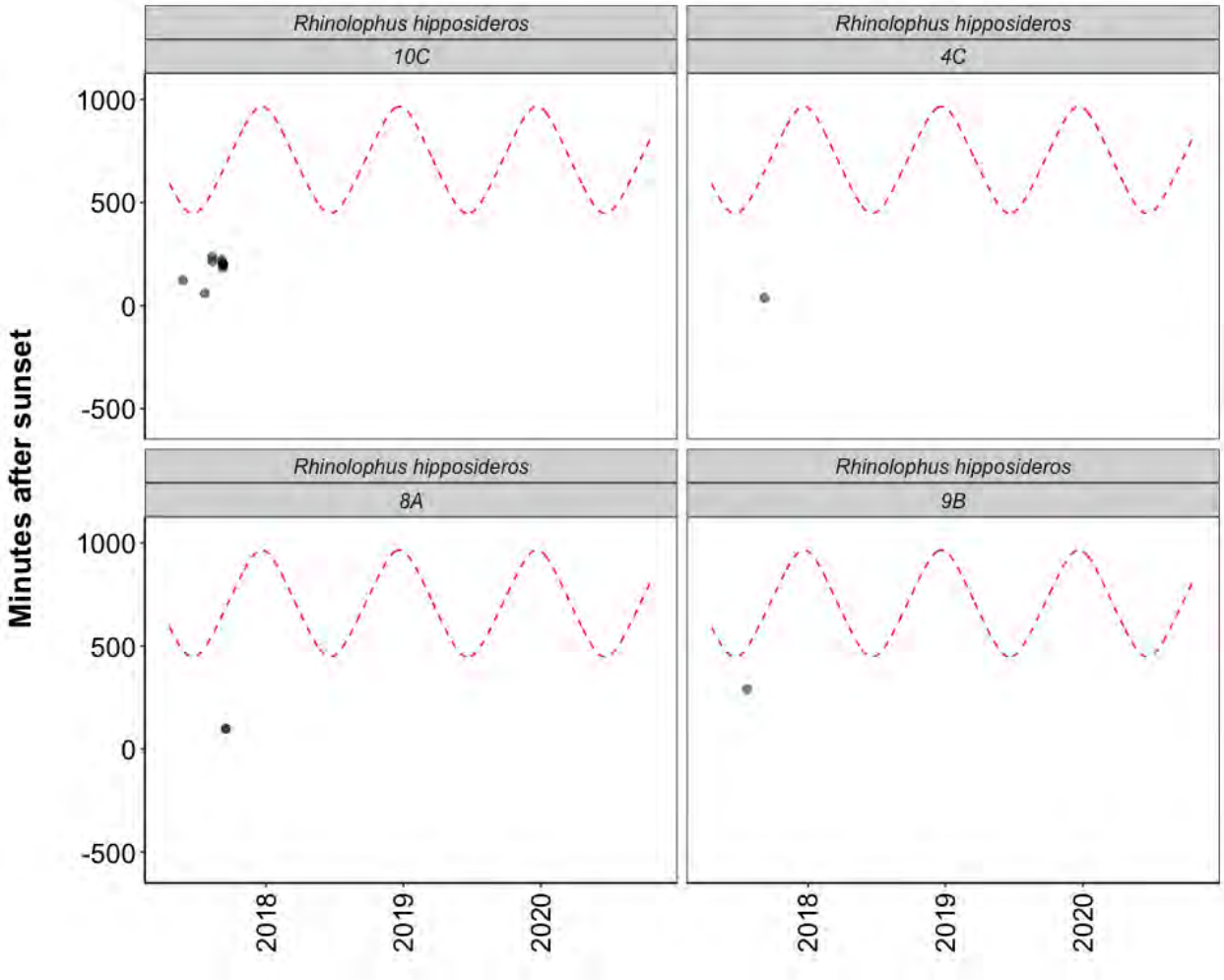

Pipistrellus pygmaeus
13A
Pipistrellus pygmaeus
2A
Pipistrellus pygmaeus
2B
Pipistrellus pygmaeus
2C
Pipistrellus pygmaeus
4A
Pipistrellus pygmaeus
4B
1000
500
0
-500
Minutes after sunset
2018
2019
2020
Date


Pipistrellus pygmaeus
4C
Pipistrellus pygmaeus
5A
Pipistrellus pygmaeus
5B
Pipistrellus pygmaeus
5C
Pipistrellus pygmaeus
6A
Pipistrellus pygmaeus
6B
1000
500
0
-500
Minutes after sunset
2018
2019
2020
Date


Pipistrellus pygmaeus
6C
Pipistrellus pygmaeus
8A
Pipistrellus pygmaeus
8B
Pipistrellus pygmaeus
8C
Pipistrellus pygmaeus
9A
Pipistrellus pygmaeus
9B
1000
500
0
-500
Minutes after sunset
2018
2019
2020
Date


Pipistrellus pygmaeus
9C
Plecotus
10A
Plecotus
10B
Plecotus
10C
Plecotus
11C
Plecotus
12C
1000
500
0
-500
Minutes after sunset
2018
2019
2020
Date


Plecotus
9B
Rhinolophus ferrumequinum
10A
Rhinolophus ferrumequinum
10B
Rhinolophus ferrumequinum
10C
Rhinolophus hipposideros
10A
Rhinolophus hipposideros
10B
1000
500
0
-500
Minutes after sunset
2018
2019
2020
Date


Rhinolophus hipposideros
10C
Rhinolophus hipposideros
4C
Rhinolophus hipposideros
8A
Rhinolophus hipposideros
9B
Minutes after sunset
1000
500
0
-500
2018
2019
2020
Date

Roost Emergence Time and Bat Observation

Based on: *Russ, Jon. 2012. British Bat Calls a Guide to species Identification. Pelagic Publishing.*

For more information see https://rbats-blog.updog.co/2018/05/29/bat-emergence/

Bat Passes Potentially Indicating Close Proximity to a Roost (Russ 2012) - Table

Table 12. Number of bat calls recorded before the upper time of the species-specific emergence time range, and which therefore may potentially indicate the presence of a nearby roost.

Table continues below

Species	Detector ID	2017-04-19	2017-04-20	2017-04-21	2017-04-22	2017-04-23
Pipistrellus	10B	0	0	0	0	0
Pipistrellus	11A	0	0	0	0	0
Pipistrellus	11B	0	0	0	0	0
Pipistrellus	11C	0	0	0	0	0
Pipistrellus	12A	0	0	0	0	0
Pipistrellus	12B	0	0	0	0	0
Pipistrellus	12C	0	0	0	0	0
Pipistrellus	13B	0	0	0	0	0
Pipistrellus	2A	1	0	2	0	0
Pipistrellus	2B	0	0	0	0	0
Pipistrellus	2C	0	0	0	0	0
Pipistrellus	4A	0	0	0	0	0
Pipistrellus	4C	0	0	0	0	0
Pipistrellus	5B	0	0	0	0	0
Pipistrellus	5C	0	0	0	0	0
Pipistrellus	6C	0	0	0	0	0
Pipistrellus	8A	0	0	0	0	0
Pipistrellus	8B	0	0	0	0	0
Pipistrellus	9C	0	0	0	0	0
Common pipistrelle	10A	0	0	0	0	0

Common pipistrelle	10B	0	0	0	0	0
Common pipistrelle	10C	0	0	0	0	0
Common pipistrelle	11A	0	0	0	0	0
Common pipistrelle	11B	0	0	0	0	0
Common pipistrelle	11C	0	0	0	0	0
Common pipistrelle	12A	0	0	0	0	0
Common pipistrelle	12B	0	0	0	0	0
Common pipistrelle	12C	0	0	0	0	0
Common pipistrelle	13A	0	0	0	0	0
Common pipistrelle	13B	0	0	0	0	0
Common pipistrelle	13C	0	0	0	0	0
Common pipistrelle	2A	5	6	11	4	4
Common pipistrelle	2B	0	0	1	0	0
Common pipistrelle	2C	14	6	8	1	0
Common pipistrelle	4A	1	2	3	4	1
Common pipistrelle	4B	1	2	3	4	1
Common pipistrelle	4C	0	5	3	0	0
Common pipistrelle	5A	0	0	0	0	0
Common pipistrelle	5B	0	0	0	0	0
Common pipistrelle	5C	0	0	0	0	0

Common pipistrelle	6A	0	0	0	0	0
Common pipistrelle	6B	0	0	0	0	0
Common pipistrelle	6C	0	0	0	0	0
Common pipistrelle	8A	0	0	0	0	0
Common pipistrelle	8B	0	0	0	0	0
Common pipistrelle	8C	0	0	0	0	0
Common pipistrelle	9A	0	0	0	0	0
Common pipistrelle	9C	0	0	0	0	0
Soprano pipistrelle	10A	0	0	0	0	0
Soprano pipistrelle	10B	0	0	0	0	0
Soprano pipistrelle	10C	0	0	0	0	0
Soprano pipistrelle	11B	0	0	0	0	0
Soprano pipistrelle	11C	0	0	0	0	0
Soprano pipistrelle	12A	0	0	0	0	0
Soprano pipistrelle	12B	0	0	0	0	0
Soprano pipistrelle	12C	0	0	0	0	0
Soprano pipistrelle	13A	0	0	0	0	0
Soprano pipistrelle	2A	1	2	3	1	0
Soprano pipistrelle	2B	1	0	1	0	0
Soprano pipistrelle	2C	0	1	1	0	0

Soprano pipistrelle	4A	0	1	0	0	1
Soprano pipistrelle	4B	0	1	0	0	1
Soprano pipistrelle	4C	0	0	1	0	0
Soprano pipistrelle	5B	0	0	0	0	0
Soprano pipistrelle	5C	0	0	0	0	0
Soprano pipistrelle	6A	0	0	0	0	0
Soprano pipistrelle	6B	0	0	0	0	0
Soprano pipistrelle	6C	0	0	0	0	0
Soprano pipistrelle	8A	0	0	0	0	0
Soprano pipistrelle	8B	0	0	0	0	0
Soprano pipistrelle	8C	0	0	0	0	0
Soprano pipistrelle	9A	0	0	0	0	0
Soprano pipistrelle	9B	0	0	0	0	0
Soprano pipistrelle	9C	0	0	0	0	0
Nathusius’	11A	0	0	0	0	0
Nathusius’	11B	0	0	0	0	0
Nathusius’	12C	0	0	0	0	0
Nathusius’	2B	0	0	0	0	0
Nathusius’	2C	0	1	0	0	0
Nathusius’	4A	0	0	0	0	0
Nathusius’	8A	0	0	0	0	0
Nathusius’	8C	0	0	0	0	0
Noctule	10A	0	0	0	0	0
Noctule	10B	0	0	0	0	0
Noctule	10C	0	0	0	0	0

Noctule	11A	0	0	0	0	0
Noctule	12A	0	0	0	0	0
Noctule	12B	0	0	0	0	0
Noctule	12C	0	0	0	0	0
Noctule	13A	0	0	0	0	0
Noctule	13B	0	0	0	0	0
Noctule	13C	0	0	0	0	0
Noctule	2A	0	4	1	0	0
Noctule	2B	0	17	8	0	1
Noctule	2C	0	20	1	1	0
Noctule	4A	1	0	0	0	0
Noctule	4B	1	0	0	0	0
Noctule	4C	0	0	0	1	0
Noctule	5A	0	0	0	0	0
Noctule	5B	0	0	0	0	0
Noctule	5C	0	0	0	0	0
Noctule	6A	0	0	0	0	0
Noctule	6B	0	0	0	0	0
Noctule	6C	0	0	0	0	0
Noctule	8A	0	0	0	0	0
Noctule	8B	0	0	0	0	0
Noctule	8C	0	0	0	0	0
Noctule	9A	0	0	0	0	0
Noctule	9B	0	0	0	0	0
Noctule	9C	0	0	0	0	0
Leisler’s	12B	0	0	0	0	0
Leisler’s	12C	0	0	0	0	0
Leisler’s	13B	0	0	0	0	0
Leisler’s	2A	0	0	0	0	0
Leisler’s	8B	0	0	0	0	0
Nyctalus	12B	0	0	0	0	0
Serotine	12A	0	0	0	0	0
Serotine	12B	0	0	0	0	0
Serotine	12C	0	0	0	0	0
Serotine	2A	0	0	0	0	0
Serotine	4A	0	1	0	0	0

Serotine	4B	0	1	0	0	0
Serotine	5C	0	0	0	0	0
Serotine	6B	0	0	0	0	0
Serotine	6C	0	0	0	0	0
Serotine	8A	0	0	0	0	0
Serotine	8B	0	0	0	0	0
Nyctaloid	10A	0	0	0	0	0
Nyctaloid	10B	0	0	0	0	0
Nyctaloid	10C	0	0	0	0	0
Nyctaloid	11B	0	0	0	0	0
Nyctaloid	12A	0	0	0	0	0
Nyctaloid	12B	0	0	0	0	0
Nyctaloid	12C	0	0	0	0	0
Nyctaloid	2A	0	0	0	0	0
Nyctaloid	4A	0	0	0	0	0
Nyctaloid	4B	0	0	0	0	0
Nyctaloid	5A	0	0	0	0	0
Nyctaloid	5C	0	0	0	0	0
Nyctaloid	6B	0	0	0	0	0
Nyctaloid	6C	0	0	0	0	0
Nyctaloid	8A	0	0	0	0	0
Nyctaloid	8B	0	0	0	0	0
Nyctaloid	9A	0	0	0	0	0
Nyctaloid	9C	0	0	0	0	0
Long-eared bats	10A	0	0	0	0	0
Long-eared bats	10C	0	0	0	0	0
Myotis	10A	0	0	0	0	0
Myotis	10B	0	0	0	0	0
Myotis	10C	0	0	0	0	0
Myotis	11A	0	0	0	0	0
Myotis	11B	0	0	0	0	0
Myotis	11C	0	0	0	0	0
Myotis	12A	0	0	0	0	0
Myotis	12B	0	0	0	0	0
Myotis	12C	0	0	0	0	0
Myotis	13B	0	0	0	0	0

Myotis	13C	0	0	0	0	0
Myotis	2A	0	0	0	1	0
Myotis	2B	0	1	0	0	0
Myotis	2C	1	0	5	0	0
Myotis	4A	0	0	0	1	0
Myotis	4B	0	0	0	1	0
Myotis	4C	3	1	6	5	0
Myotis	5A	0	0	0	0	0
Myotis	5B	0	0	0	0	0
Myotis	5C	0	0	0	0	0
Myotis	6A	0	0	0	0	0
Myotis	6B	0	0	0	0	0
Myotis	6C	0	0	0	0	0
Myotis	8A	0	0	0	0	0
Myotis	8B	0	0	0	0	0
Myotis	8C	0	0	0	0	0
Myotis	9A	0	0	0	0	0
Myotis	9B	0	0	0	0	0
Myotis	9C	0	0	0	0	0
Barbastelle	10A	0	0	0	0	0
Barbastelle	10C	0	0	0	0	0
Barbastelle	11A	0	0	0	0	0
Barbastelle	11B	0	0	0	0	0
Barbastelle	12C	0	0	0	0	0
Barbastelle	13B	0	0	0	0	0
Barbastelle	2B	0	0	0	0	0
Barbastelle	2C	0	0	0	0	0
Barbastelle	4A	0	0	0	0	0
Barbastelle	4B	0	0	0	0	0
Barbastelle	4C	0	1	0	0	0
Barbastelle	5A	0	0	0	0	0
Barbastelle	5B	0	0	0	0	0
Barbastelle	5C	0	0	0	0	0
Barbastelle	6B	0	0	0	0	0
Barbastelle	6C	0	0	0	0	0
Barbastelle	8B	0	0	0	0	0

Barbastelle	8C	0	0	0	0	0
Barbastelle	9A	0	0	0	0	0
Greater horseshoe	10A	0	0	0	0	0
Lesser horseshoe	10A	0	0	0	0	0
Lesser horseshoe	10B	0	0	0	0	0
Lesser horseshoe	4C	0	0	0	0	0

Table continues below

2017-04-26	2017-04-27	2017-04-28	2017-04-29	2017-04-30	2017-05-01	2017-05-03
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	3
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	1	0	0	0	0
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1	1	7	18	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	24	3	0	0	1	0
0	0	0	5	0	0	0
0	0	0	0	0	0	0
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0	0	14	5	0	0	0
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0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	1	0	0	0
0	1	4	0	0	0	0
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0	0	1	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	1	1	1	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	67	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	1
0	0	0	0	0	0	0
0	0	0	0	0	1	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

Table continues below

2017-05-04	2017-05-05	2017-05-06	2017-05-07	2017-05-09	2017-05-10	2017-05-11
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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3	1	3	4	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	76
0	0	0	0	0	0	0
0	0	0	0	7	23	31
0	0	0	0	9	16	12
0	0	0	0	0	0	3
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	1	5	5
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
6	7	13	7	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	6
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	19	14	16
0	0	0	0	2	2	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	1	2	1	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	1	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	25	38
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	1	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	12	2	36
0	0	0	0	0	0	0
0	0	0	0	0	1	14
0	0	0	0	0	0	0
0	0	0	0	0	0	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	1	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
4	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	1	1	1
0	0	0	0	0	0	0
0	0	0	0	2	4	0
0	0	0	0	1	0	0
0	0	0	0	1	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	2	0
0	0	0	0	1	0	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

Table continues below

2017-05-12	2017-05-13	2017-05-14	2017-05-16	2017-05-17	2017-05-18	2017-05-19
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
44	46	0	0	0	0	0
0	0	0	0	0	0	0
33	3	31	0	0	0	0
11	8	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	0	3	0	3	3	1
0	0	0	0	0	2	0
0	0	0	0	0	0	0
0	0	0	2	0	0	0
0	0	0	0	0	4	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
4	7	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
52	13	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	1	2	13	2
0	0	0	22	3	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
36	1	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	2	0	0	0	0	0
0	0	0	0	0	0	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	1	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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2	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0

1	0	0	0	0	0	0
1	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	2	0	1	5	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	1	1
0	0	0	0	0	4	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

Table continues below

2017-05-20	2017-05-21	2017-05-22	2017-05-23	2017-05-24	2017-05-25	2017-05-26
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0	0	0	0	0	0	1
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	9	22	11
0	0	0	0	6	6	3
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	3	5	3
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
2	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
2	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	4	3	2
0	0	0	0	2	0	0
0	0	0	0	0	1	0
0	0	0	0	0	0	0
0	0	0	0	0	3	4
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	1	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	1	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

Table continues below

2017-05-27	2017-05-28	2017-06-05	2017-06-06	2017-06-07	2017-06-08	2017-06-09
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1	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	2	1	4	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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1	22	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	3	1	14	10	17
0	0	0	0	0	0	0
0	0	7	2	24	4	58
0	0	0	1	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	1	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	1
0	0	0	0	0	0	0
0	0	0	1	3	0	20
0	0	0	0	3	0	0
0	0	0	0	0	0	0
0	0	2	3	7	2	2
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	2
0	0	0	0	0	0	2
0	0	1	0	0	0	1
0	0	0	0	1	0	0
0	0	0	0	0	0	0
0	0	0	0	1	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
4	0	0	0	0	0	0
0	0	0	0	0	0	0
0	1	0	0	0	0	0
0	0	0	0	0	0	0
2	4	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	3	0	1	0	0
0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

Table continues below

2017-06-10	2017-06-11	2017-06-12	2017-06-13	2017-06-14	2017-06-15	2017-06-16
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	1	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
41	32	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	1	0	1	1
0	0	0	1	0	1	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	163	354	283
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	2	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
13	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	5	0
0	0	0	0	6	5	5
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	8	6	12	2
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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1	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	2	0	2
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	1	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	1	0	0
0	0	0	0	0

0	0	0	6	1	0	0
0	0	0	0	0

0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	1	1	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
152	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	12	15	4	14
0	0	0	1	0	4	4
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	1	0	0	0
0	0	0	0

0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	1	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

Table continues below

2017-06-24	2017-07-03	2017-07-04	2017-07-05	2017-07-06	2017-07-07	2017-07-08
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	1	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
7	0	0	0	0	0	0
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3	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	29	10	26	67
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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7	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	13	1	6	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
5	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
5	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	1	0	0
0	0	0	0	0

0	0	0	0	0	0	0

0	0	0	0	1	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	1	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

Table continues below

2017-07-09	2017-07-11	2017-07-12	2017-07-13	2017-07-14	2017-07-15	2017-07-16
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	1	0
0	2	5	3	3	1	0
11	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	6	2	1	0
0	0	0	3	0	1	0
0	0	0	4	0	0	0
0	1	3	6	0	3	0
0	4	1	20	34	36	0
0	1	3	6	0	3	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	1	0	1	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	1	0	0	0
0	0	0	0	0	1	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	3	0	0	0
0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	1	0
0	0	0	0	1	0	0
0	0	0	1	0	0	0
0	0	0	1	0	0	0
0	0	0	0	0	0	0
0	0	0	1	0	0	0
0	0	0	0

0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	1	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

Table continues below

2017-07-18	2017-07-19	2017-07-20	2017-07-21	2017-07-22	2017-07-25	2017-07-26
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	6	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
3	0	2	0	2	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	34	4	0	5	0	0
44	18	0	3	0	0	0
2	2	3	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	3	2
0	0	0	0	0	5	4
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	0	0	0	0
0	3	26	0	2	0	0
0	2	0	0	0	0	0
0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	0	0	0	0	0	0
1	1	0	0	1	0	0
0	2	0	0	0	0	0
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0	0	0	0	0	0	0
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5	1	0	0	0	0	0
1	1	1	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0

3	0	0	0	0	0	0
2	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	1	1
0	0	0	0	0	0	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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1	0	3	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	1	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

Table continues below

2017-07-27	2017-07-28	2017-07-29	2017-07-30	2017-08-01	2017-08-02	2017-08-03
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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8	4	10	3	0	0	0
4	4	54	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	1	0	0
0	0	0	0	38	44	36
0	0	0	0	5	11	1
0	0	0	0	73	31	21
0	0	0	0	0	0	1
0	0	0	0	0	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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5	4	3	2	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	2	1	3
0	0	0	0	1	0	2
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	1	0	0
0	0	0	0	0	0	0
0	0	0	0	12	0	2
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0

0	0	0	0	0	0	0
1	3	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	1
0	0	0	0	0	0	0
0	0	0	0	1	0	0
0	0	0	0	2	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

Table continues below

2017-08-04	2017-08-05	2017-08-06	2017-08-08	2017-08-09	2017-08-10	2017-08-11
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	1	1	4	3
0	0	0	0	1	0	1
0	0	0	0	0	0	1
0	0	0	0	1	0	0
0	0	0	7	31	23	22
0	0	0	3	14	14	5
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	9	2	17	25
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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2	0	0	0	0	0	0
0	0	0	0	0	0	0
34	62	0	0	0	0	0
3	7	0	0	0	0	0
23	28	0	0	0	0	0
0	0	0	0	0	0	0
19	3	0	0	0	0	0
0	0	0	0	5	1	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	1	0	7
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	5	0	0	0	0	0

2	1	0	0	0	0	0
1	0	0	0	0	0	0
0	0	1	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	3
0	0	0	0	0	0	2
0	0	0	0	0	1	2
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	2	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	3
0	0	0	0	1	0	0
0	0	0	1	0	5	14
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	3	3
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	1	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	3	2

0	0	0	0	0	0	1
0	0	0	0	0	0	0
0	0	0	0	0	0	1
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	2	0
0	0	0	0	0	3	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0

Table continues below

2017-08-12	2017-08-13	2017-08-14	2017-08-15	2017-08-16	2017-08-17	2017-08-18
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	1	25	12	3
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	3	0	0	0	0	0
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58	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	6	10	0	1
0	0	0	44	22	76	0
17	5	32	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	1	4	2	0
0	0	0	0	0	0	0
0	0	0	25	6	39	36
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	1	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	0	0	0	0	0	0
0	0	0	0	0	0	0
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5	2	1	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	3	5	3	0
0	0	0	0	0	2	3
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	1	0
1	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	2	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

Table continues below

2017-08-19	2017-08-20	2017-08-22	2017-08-24	2017-09-05	2017-09-06	2017-09-07
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0	0	0	0	0	0	0
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7	1	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	1	0
0	0	0	0	0	3	0
0	0	0	0	7	3	2
0	0	0	0	41	0	0
0	0	0	0	41	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	1	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	3	0	0	0	0	0
29	20	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	1	1	1
0	0	0	0	0	0	0
1	1	0	0	0	0	0
0	0	0	0	0	0	0
15	28	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	1	2
0	0	0	0	5	0	0
0	0	0	0	5	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
3	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	3	6
1	0	0	0	0	0	0
0	2	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	1	0	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	2	0
0	0	0	0	3	0	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	3	0	0
1	1	0	0	0	0	0
2	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	1	1
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	3
0	0	0	0	0	0	0
0	1	0	0	0	0	0
2	2	0	0	0	0	0
5	10	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
15	5	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	2	3	4	5
0	0	0	0	0	0	0
0	0	0	0	0	3	2
0	0	0	0	0	0	0
0	0	0	0	0	0	7
0	0	0	0	0	0	0
0	0	0	0	0	0	0
5	19	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
12	0	4	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	0	0	0	0	0	0
0

0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	0	0	0	0	0
1	1	0	0	0	0	0
0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

Table continues below

2017-09-16	2017-09-17	2017-09-20	2017-09-21	2017-09-22	2017-09-23	2017-09-24
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	2	2	2	2	1
0	0	3	0	0	2	0
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1	2	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0

0	0	9	9	3	0	0
0	0	19	5	21	0	0
0	0	1	1	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	3	2	3	1	4
0	0	0	1	1	2	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0

Table continues below

2017-10-04	2017-10-05	2017-10-06	2017-10-07	2017-10-08	2017-10-10	2017-10-11
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	2	0	0	0
1	4	9	34	0	0	0
1	0	1	1	0	0	0
9	14	18	26	0	0	0
4	5	1	0	2	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	1	0	0	0	0
0	0	0	0	0	0	0
1	0	0	0	0	0	0
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0	0	0	0	0	0	1
0	0	0	0	0	8	7
0	0	0	0	0	0	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	43	0	0	0
4	5	2	4	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	7	0
0	0	0	0	0	3	1
0	0	0	0	0	7	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	1	0	0	0
8	16	1	28	0	0	0
1	0	2	2	1	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	0	0	1	0	0	0
0	0	2	1	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	3	3
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	1	1	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
2	0	0	1	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	1	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

Table continues below

2017-10-12	2017-10-13	2017-10-14	2017-10-17	2017-10-18	2017-10-20	2017-10-21
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0

1	17	1	0	0	0	0
0	0	0	0	0	0	0
0	0	0	1	0	0	0
0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	2	2	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	1	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	1	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

Table continues below

2017-10-22	2017-10-25	2017-10-26	2017-10-27	2019-05-16	2019-05-24	2019-05-25
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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3	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	27	1
0	0	0	0	0	0	0
0	0	0	0	0	27	1
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	1	0	0	0	0	0
0	0

0	0	0	0	0	0	0
0	1	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	5	1	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
3	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	1
0	0	0	0	0	0	0
0	0	0	0	0	0	1
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

Table continues below

2019-05-27	2019-06-11	2019-06-12	2019-06-13	2019-06-19	2019-06-20	2019-06-21
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0	0	0	0	0	0	0
0	0	0	0	6	5	3
0	0	0	0	10	5	4
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0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
32	50	2	30	0	0	0
0	0	0	0	0	0	0
32	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	1	4	0	0	0	0
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0	0	0	0	0	0	0

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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	1	1
0	0	0	0	0	0	3
0	0	0	0	1	2	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	1	0	0	0	0	0
0	0	0	0	0	0	0

Table continues below

2019-06-22	2019-06-23	2019-06-24	2019-07-15	2019-07-16	2019-07-17	2019-07-18
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
6	2	7	1	0	0	0
4	3	10	2	2	11	3
22	38	28	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0

3	3	0	0	0	0	0
0	3	2	0	0	0	0
0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	0	0	0	0
2	0	1	1	3	2	2
1	1	1	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

Table continues below

2019-07-19	2019-07-20	2019-07-21	2019-08-05	2019-08-06	2019-08-09	2019-08-10
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	1	0	0	0	0
1	1	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	40	29	0	0
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0	0	0	21	0	0	0
0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	0	0	0	0	0	0
0	1	1	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

Table continues below

2019-08-11	2019-08-12	2019-09-03	2019-09-10	2019-09-11	2019-09-12	2019-09-13
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0	0	1	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	6	6	1	0
0	0	0	0	0	0	0
0	0	0	0	0	0	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
49	27	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	11	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	12	6	9
0	0	0	4	42	60	19

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0	0	0	12	5	9	5
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0	0	0	0	0	0	0
0	0	0	0	0	1	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	2	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	1
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	1	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	2	0	0	0	0
0	0	1	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	1	1	1
0	0	0	0	0	19	3
0	0	0	0	0	0	0
0	0	0	7	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	1	0
0	0	0	0	0	0	0
0	0	0	8	3	4	7
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0

Table continues below

2019-09-14	2019-09-15	2019-09-16	2019-09-17	2019-09-18	2019-09-20	2020-05-18
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0	0	0	0	0	0	0
0	0	0	0	0	0	1
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	3
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	1	0	0	0
0	0	0	3	10	2	0
0	3	0	0	0	0	0
0	0	0	0	0	0	0
1	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	13
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	4
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	0	1	0	2
0	0	0	1	1	0	0
0	0	1	2	4	13	0
0	0	0	0	0	0	0
5	3	0	0	0	0	0
25	60	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	0	0	0	0
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0	0	0	0	0	0	0
1	1	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	2	2	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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Table continues below

2020-05-	2020-05-	2020-05-	2020-05-	2020-05-	2020-05-	2020-05-

19	20	21	22	23	24	25
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0	0	0	0	0	0	0
0	0	4	0	0	0	0
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0	0	0	0	0	0	0
0	0	8	0	0	0	0
1	12	2	8	6	2	4
0	47	18	14	0	0	0
0	0	6	1	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
2	2	0	0	0	0	0
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0	0	0	0	0	0	0

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0	0	0	0	0	0	0
1	1	2	2	3	0	0
0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	1	0	0	0	2	3
0	0	1	0	1	1	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0

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0	0	0	0	1	0	0
0	0	0	0	0

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0	0	0	0	0	0	0
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0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

Table continues below

2020-05-26	2020-06-03	2020-06-04	2020-06-06	2020-06-07	2020-07-20	2020-07-21
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1	0	0	0	0	0	0
1	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
3	0	0	0	0	0	0
28	0	0	0	0	0	0
0	0	0	0	0	32	16
0	1	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0

0	0	0	0	0	0	0
3	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	2
0	3	4	2	1	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0

0	0	0	0	0	0	0

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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

Table continues below

2020-07-22	2020-07-23	2020-07-24	2020-07-25	2020-07-26	2020-07-27	2020-07-28
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

63	173	381	23	808	1	2
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0	2	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0

Table continues below

2020-08-07	2020-08-08	2020-08-09	2020-08-10	2020-08-11	2020-08-14	2020-08-15
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0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	1	6
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0	0	0	0	0	4	5
0	0	0	0	0	10	5
0	0	0	0	0	18	15
0	0	0	0	0	0	0
1	0	0	0	0	0	0
1	0	0	0	1	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
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0	0	0	0	0	2	1
0	0	0	0	0	2	1
0	0	0	0	0	9	5
0	0	0	0	0	0	0
0	0	1	1	4	0	0
0	0	0	1	1	0	0
0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	1	0
0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	2	6
0	0	0	0	0	0	0
0	11	2	0	3	0	0
0	0	2	0	4	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
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Table continues below

2020-08-16	2020-08-17	2020-08-18	2020-09-07	2020-09-08	2020-09-09	2020-09-10
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
6	4	11	0	0	0	0
0	0	0	0	0	0	0
5	10	25	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	8	8	14	16
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0

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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
2	5	9	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	1	0	9
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

Table continues below

2020-09-11	2020-09-14	2020-09-15	2020-09-16	2020-09-17	2020-10-05	2020-10-06
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0	0	0	0	0	0	0
0	0	10	0	0	0	0
0	4	3	0	0	0	0
0	0	11	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	9	2
14	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	20	27
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0

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0	0	0	0	0	1	0
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0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	3
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0

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0	0	0	0	0	0	1
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	2	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

Table continues below

2020-10-07	2020-10-08	2020-10-09	2020-10-10	2020-10-11	2020-10-12	2020-10-13
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0	0	0	0	0	0	1
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0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
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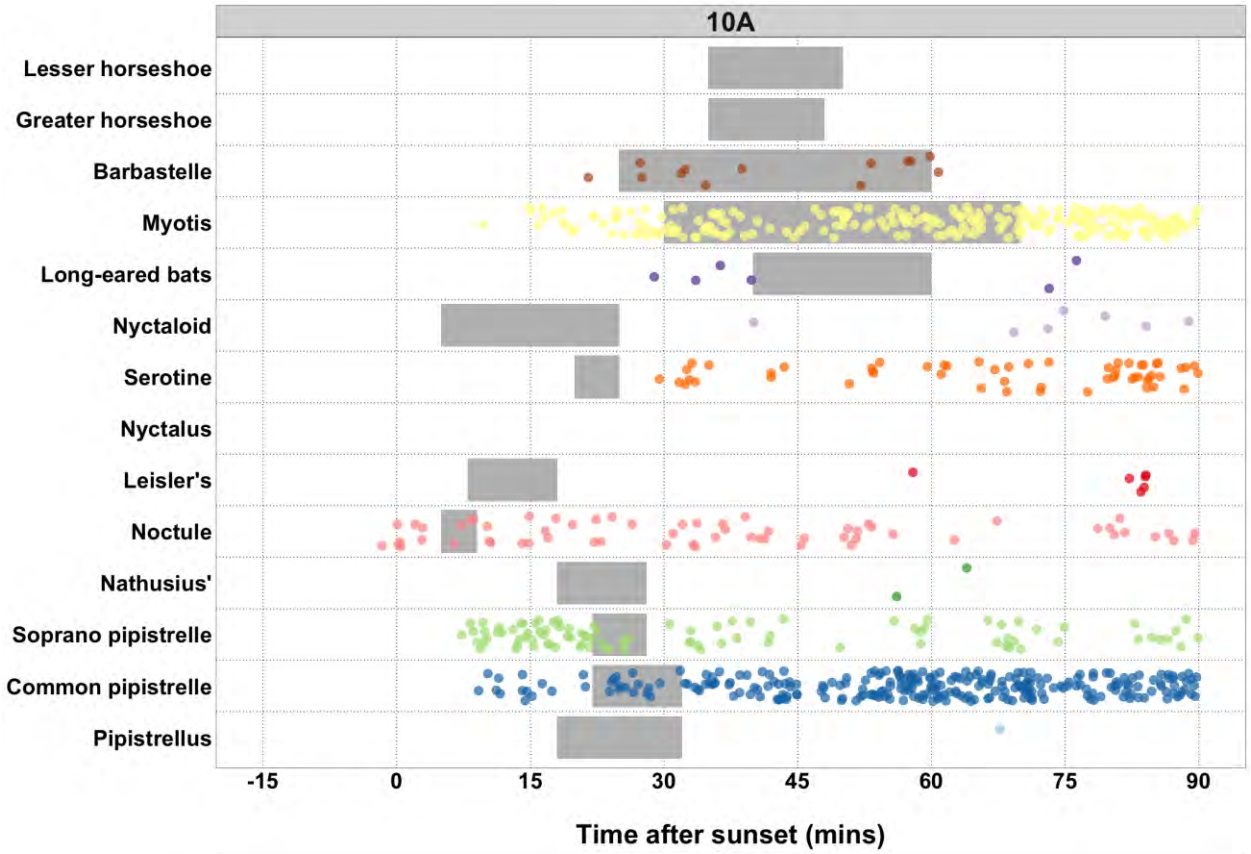
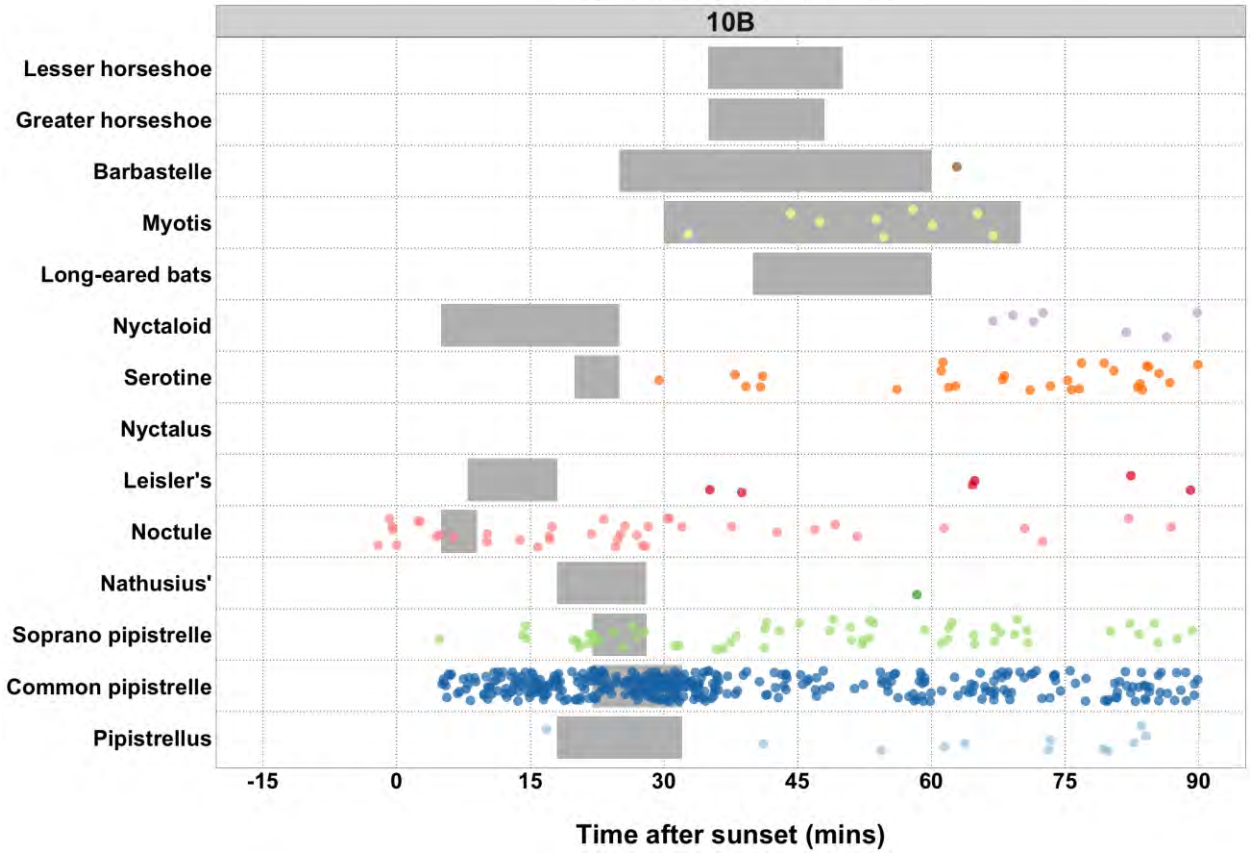
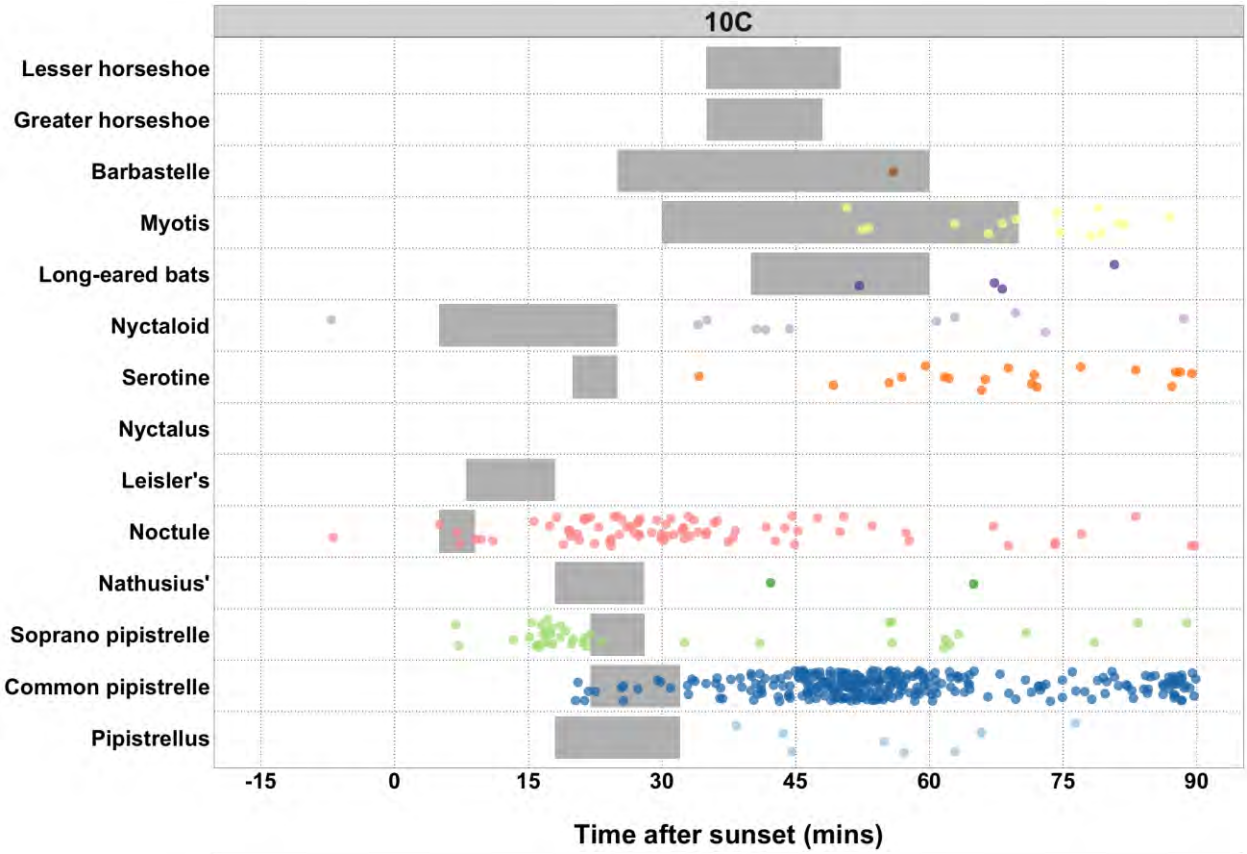
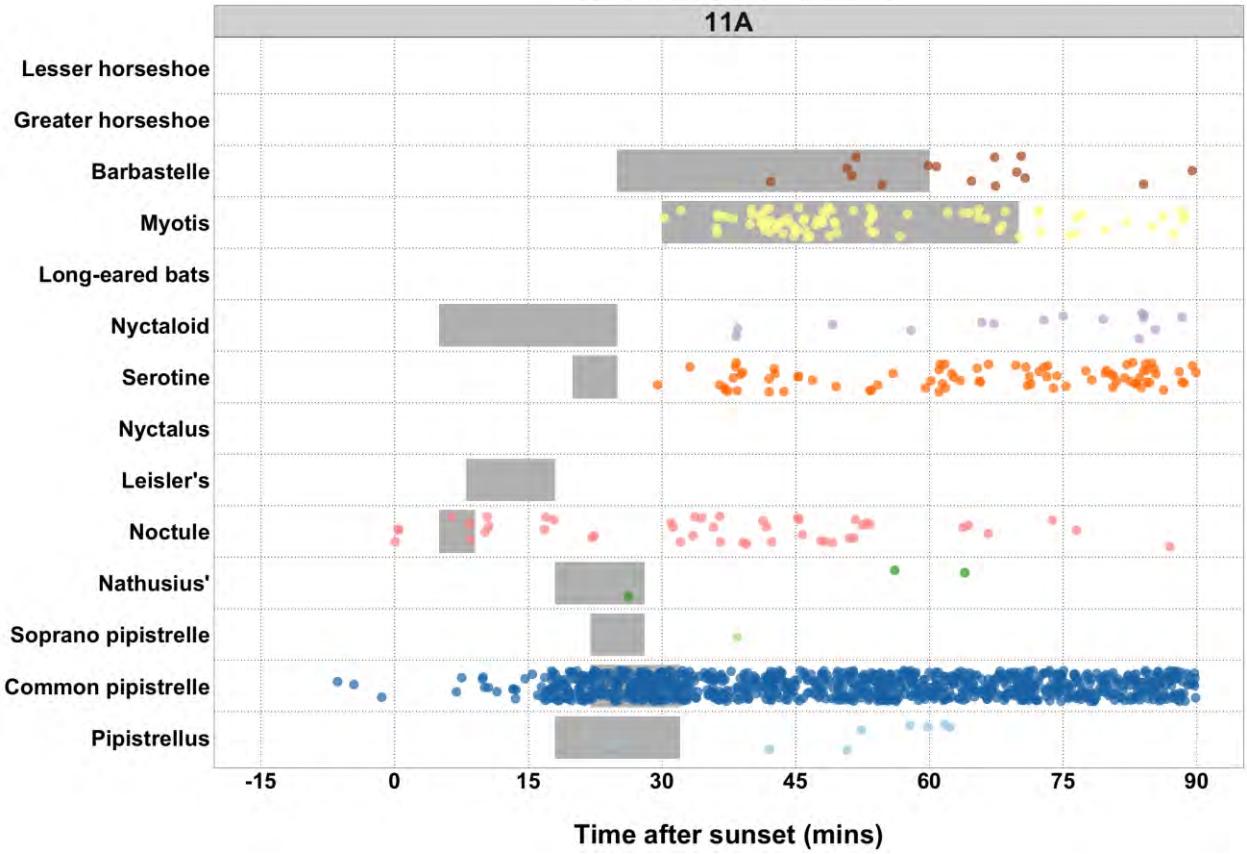
Bat Passes Potentially Indicating Close Proximity to a Roost (Russ 2012) - Figures

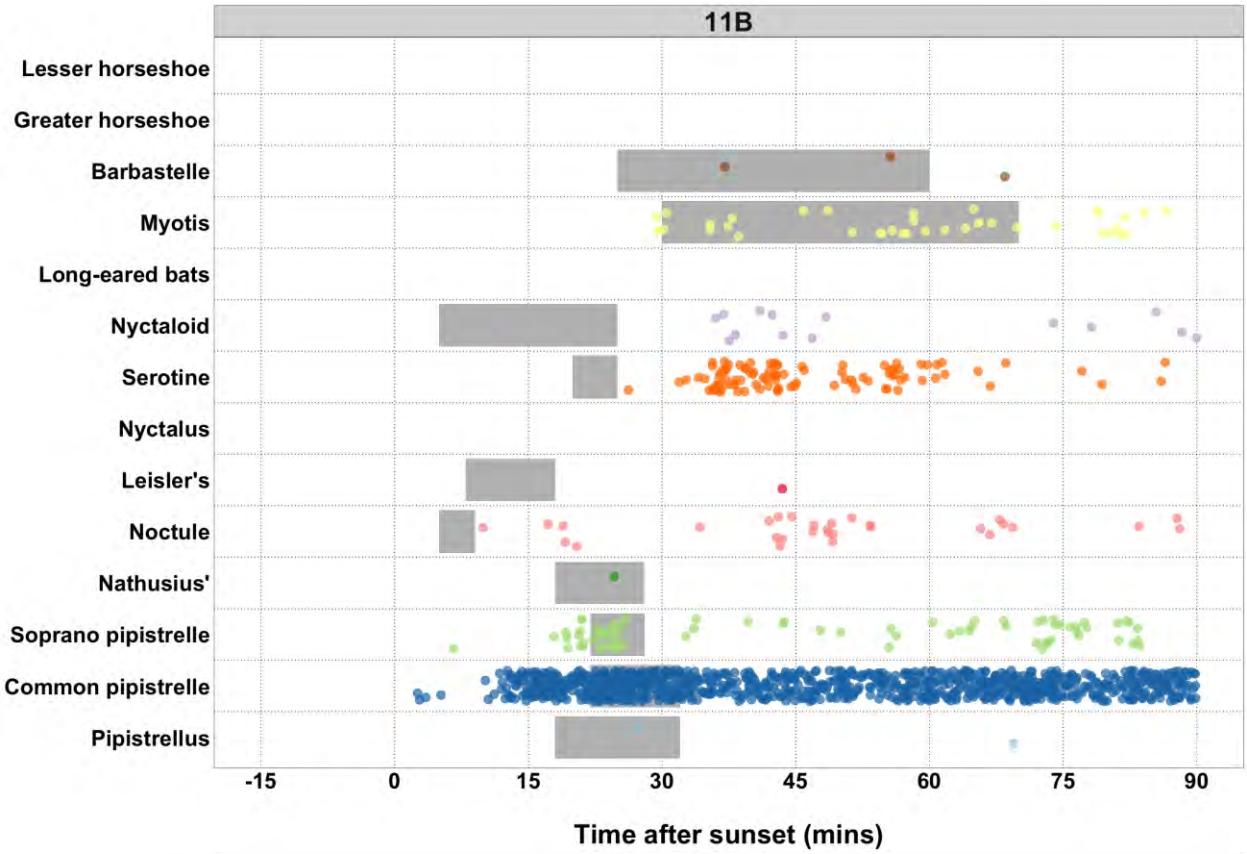
Figure 8. Time from 15 minutes before to 90 minutes after sunset. Species-specific emergence time ranges are shown as grey bars. Bat passes overlapping species-specific grey bars, or occuring earlier than this time range, may potentially indicate the presence of a nearby roost.

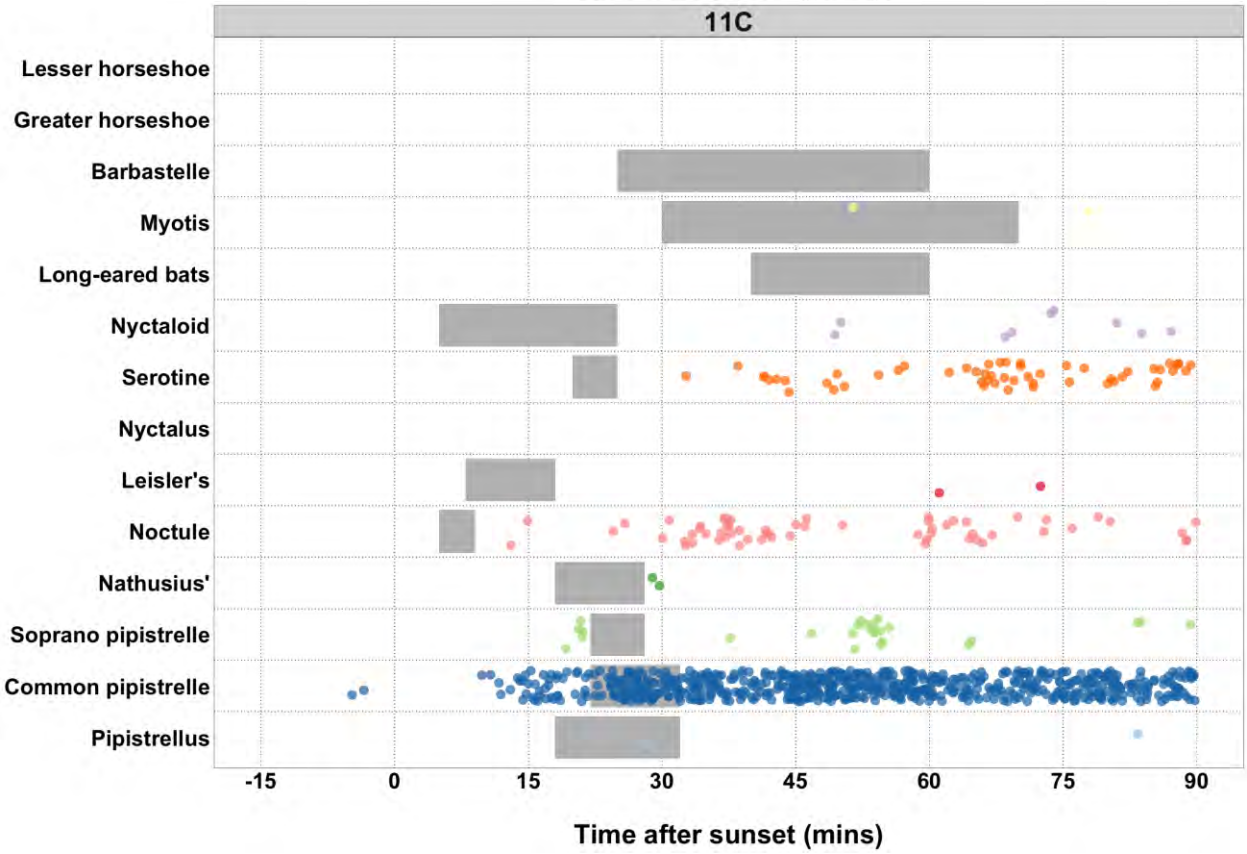

10A
Lesser horseshoe
Greater horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
Soprano pipistrelle
Common pipistrelle
Pipistrellus
-15
0
15
30
45
60
75
90
Time after sunset (mins)


10B
Lesser horseshoe
Greater horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
Soprano pipistrelle
Common pipistrelle
Pipistrellus
-15
0
15
30
45
60
75
90
Time after sunset (mins)


10C
Lesser horseshoe
Greater horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
Soprano pipistrelle
Common pipistrelle
Pipistrellus
-15
0
15
30
45
60
75
90
Time after sunset (mins)


11A
Lesser horseshoe
Greater horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
Soprano pipistrelle
Common pipistrelle
Pipistrellus
-15
0
15
30
45
60
75
90
Time after sunset (mins)


11B
Lesser horseshoe
Greater horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
Soprano pipistrelle
Common pipistrelle
Pipistrellus
-15
0
15
30
45
60
75
90
Time after sunset (mins)


11C
Lesser horseshoe
Greater horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
Soprano pipistrelle
Common pipistrelle
Pipistrellus
-15
0
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30
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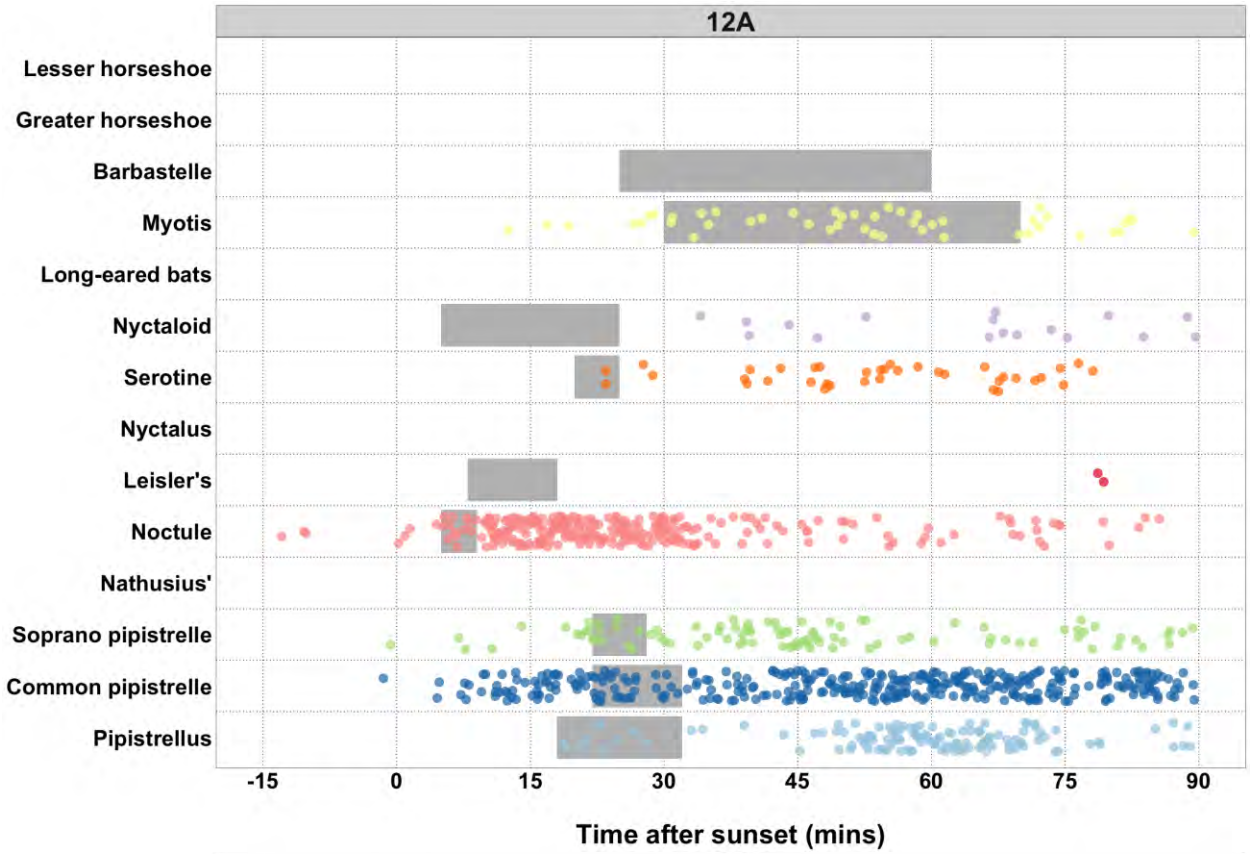
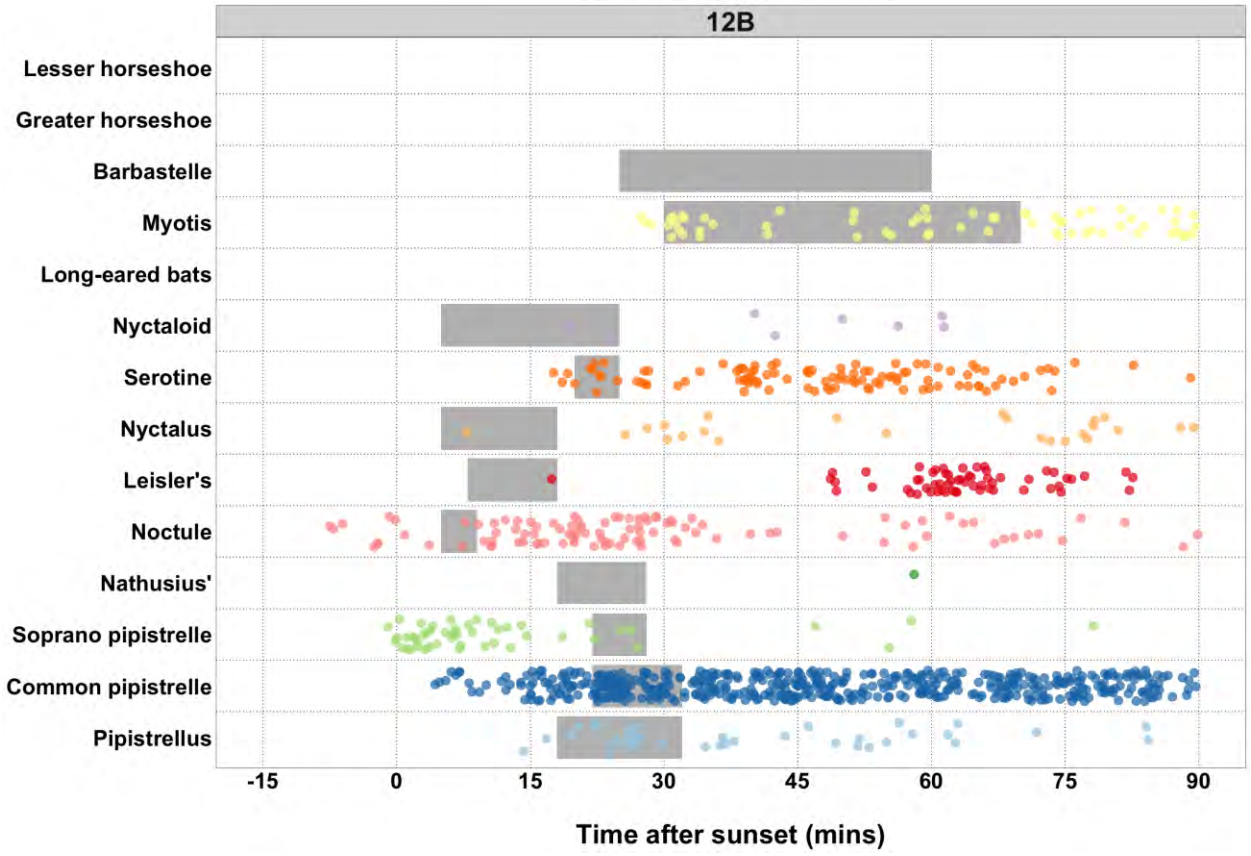
60
75
90
Time after sunset (mins)


12A
Lesser horseshoe
Greater horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
Soprano pipistrelle
Common pipistrelle
Pipistrellus
-15
0
15
30
45
60
75
90
Time after sunset (mins)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Lesser horseshoe
Greater horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
Soprano pipistrelle
Common pipistrelle
Pipistrellus
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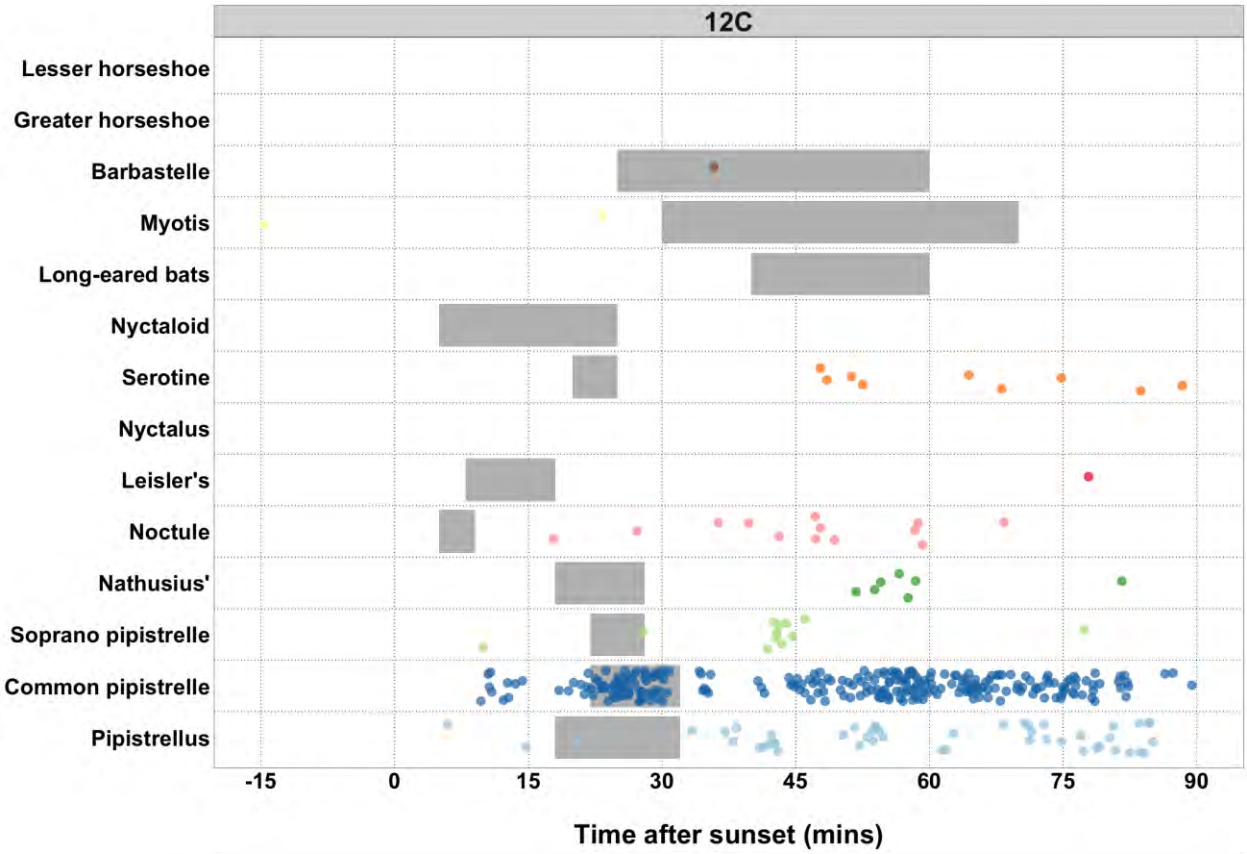
75
90
Time after sunset (mins)


12C
Lesser horseshoe
Greater horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
Soprano pipistrelle
Common pipistrelle
Pipistrellus
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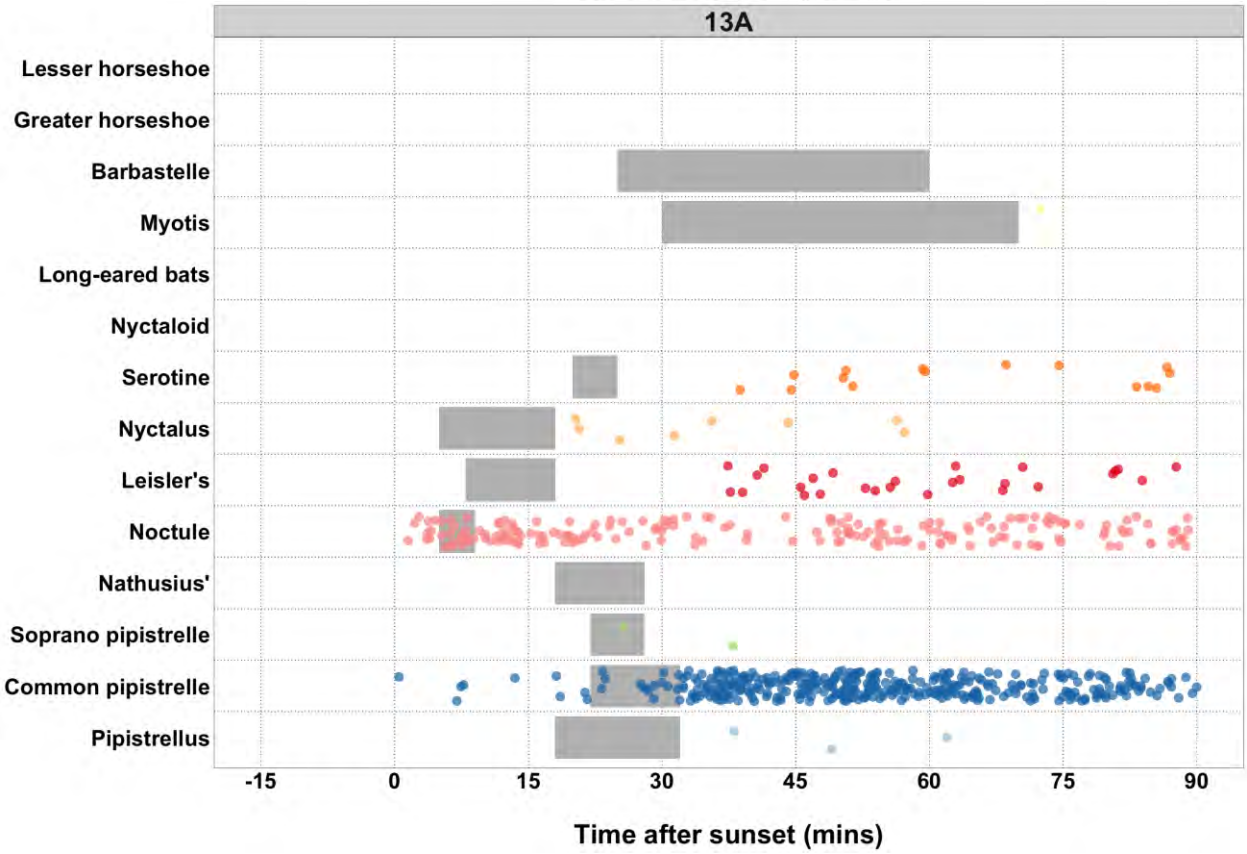
Time after sunset (mins)


13A
Lesser horseshoe
Greater horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
Soprano pipistrelle
Common pipistrelle
Pipistrellus
-15
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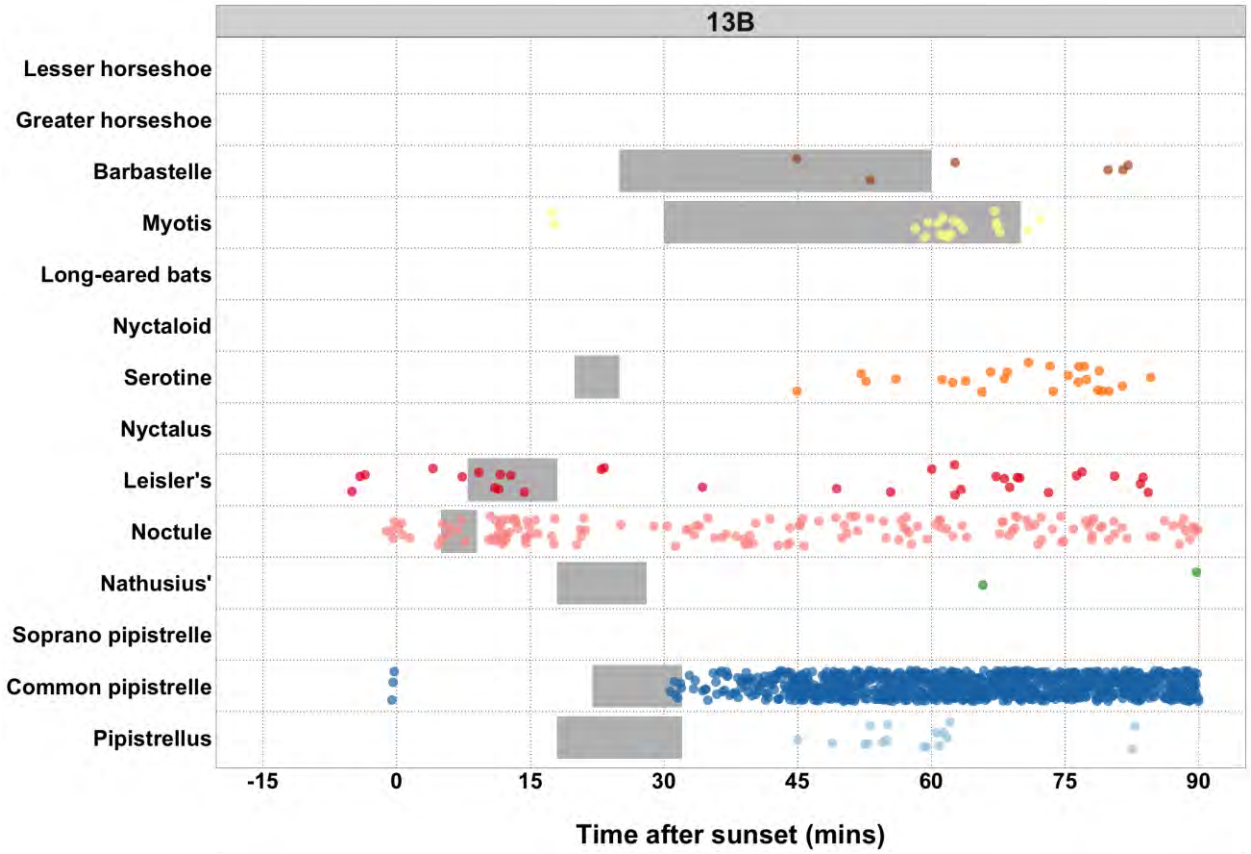
60
75
90
Time after sunset (mins)


13B
Lesser horseshoe
Greater horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
Soprano pipistrelle
Common pipistrelle
Pipistrellus
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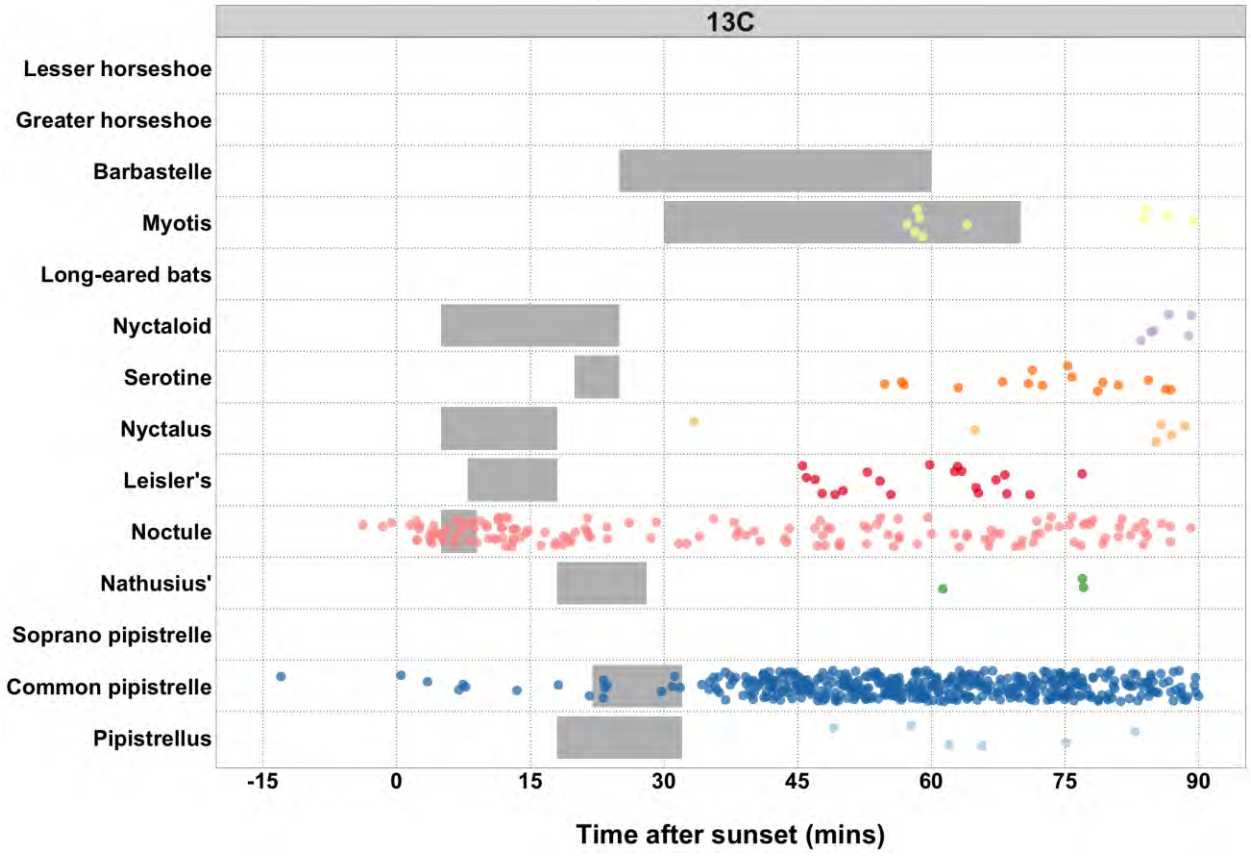
90
Time after sunset (mins)


13C
Lesser horseshoe
Greater horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
Soprano pipistrelle
Common pipistrelle
Pipistrellus
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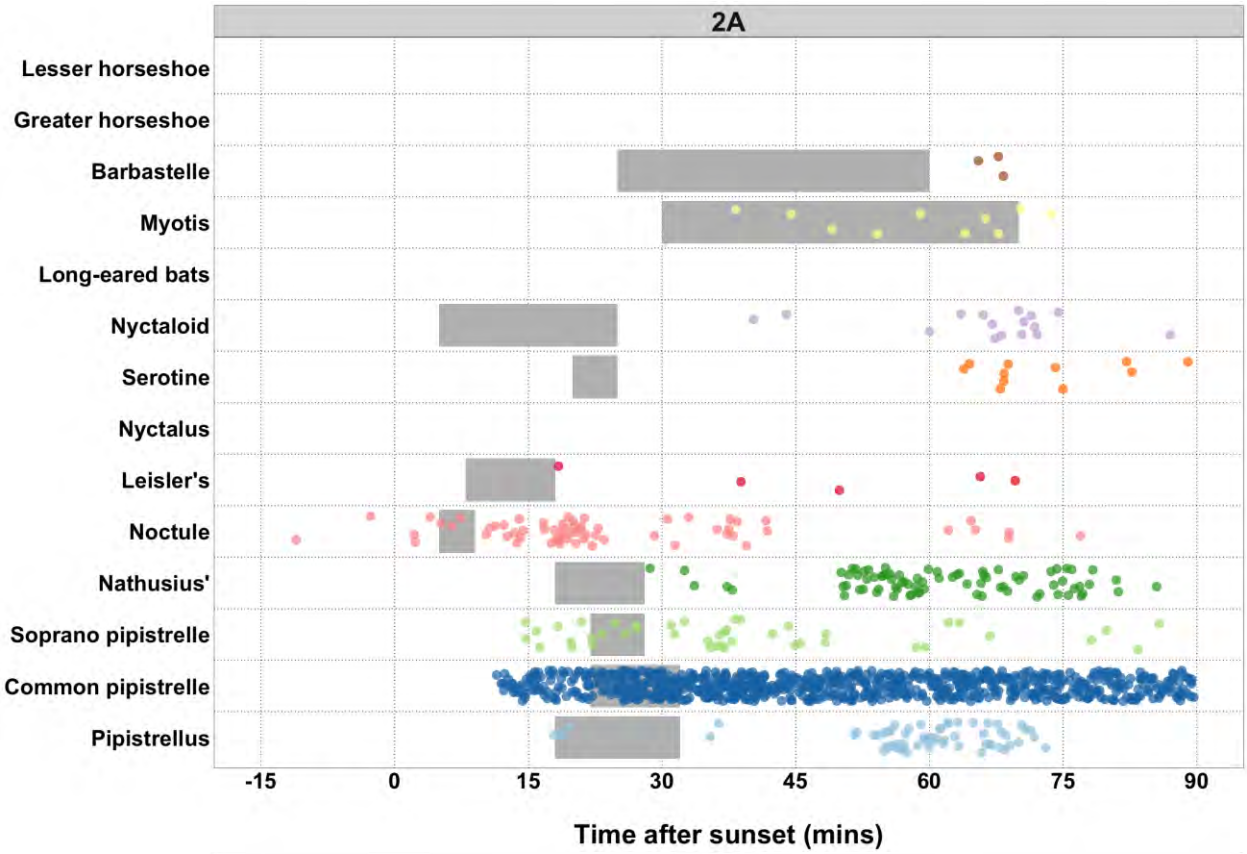
Time after sunset (mins)


2A
Lesser horseshoe
Greater horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
Soprano pipistrelle
Common pipistrelle
Pipistrellus
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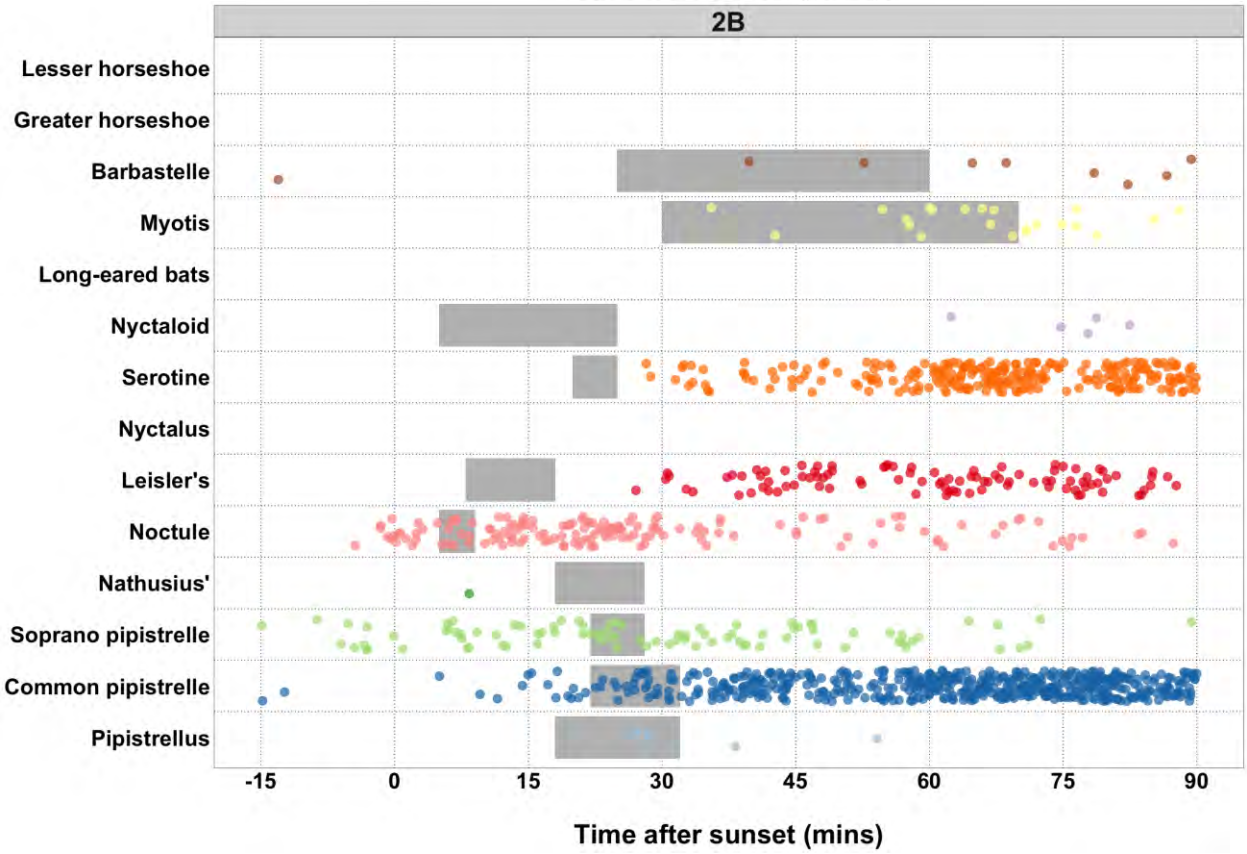
90
Time after sunset (mins)


2B
Lesser horseshoe
Greater horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
Soprano pipistrelle
Common pipistrelle
Pipistrellus
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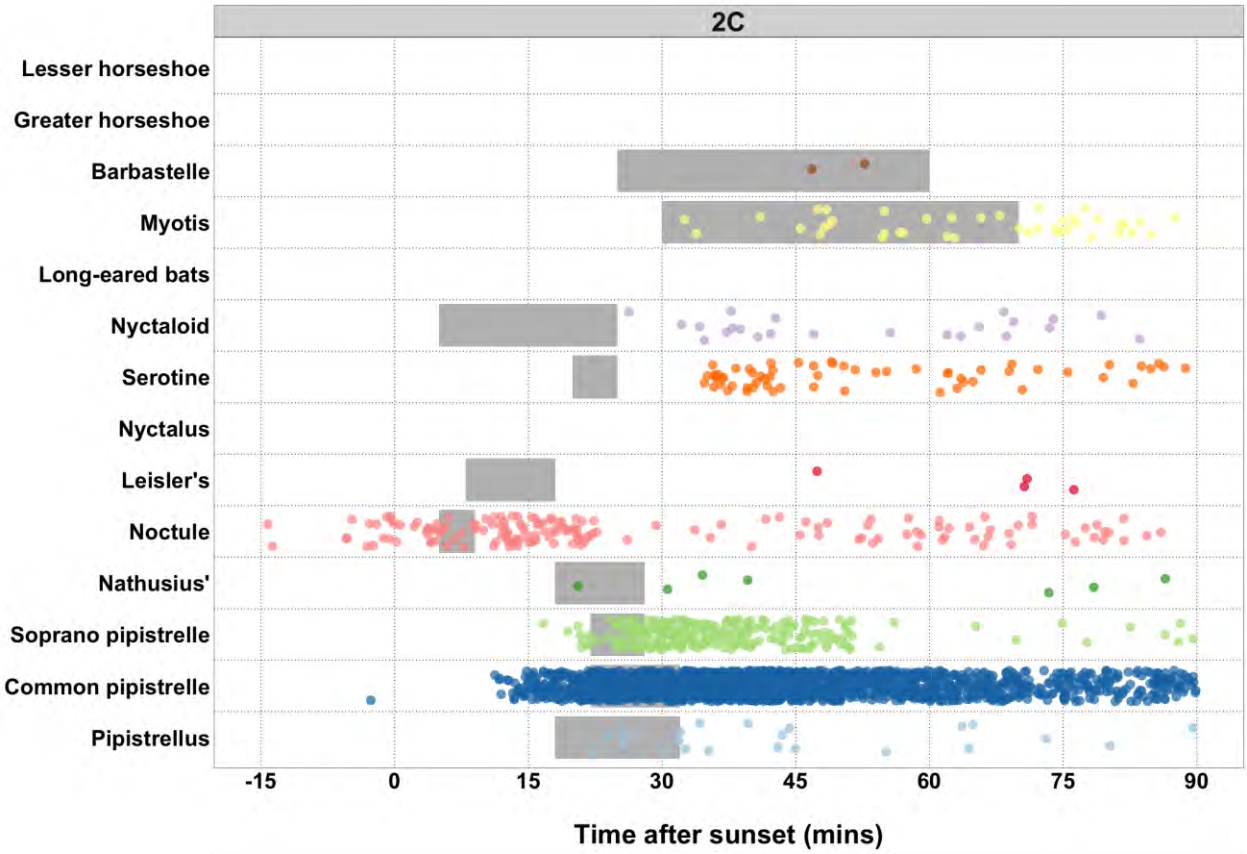
90
Time after sunset (mins)


2C
Lesser horseshoe
Greater horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
Soprano pipistrelle
Common pipistrelle
Pipistrellus
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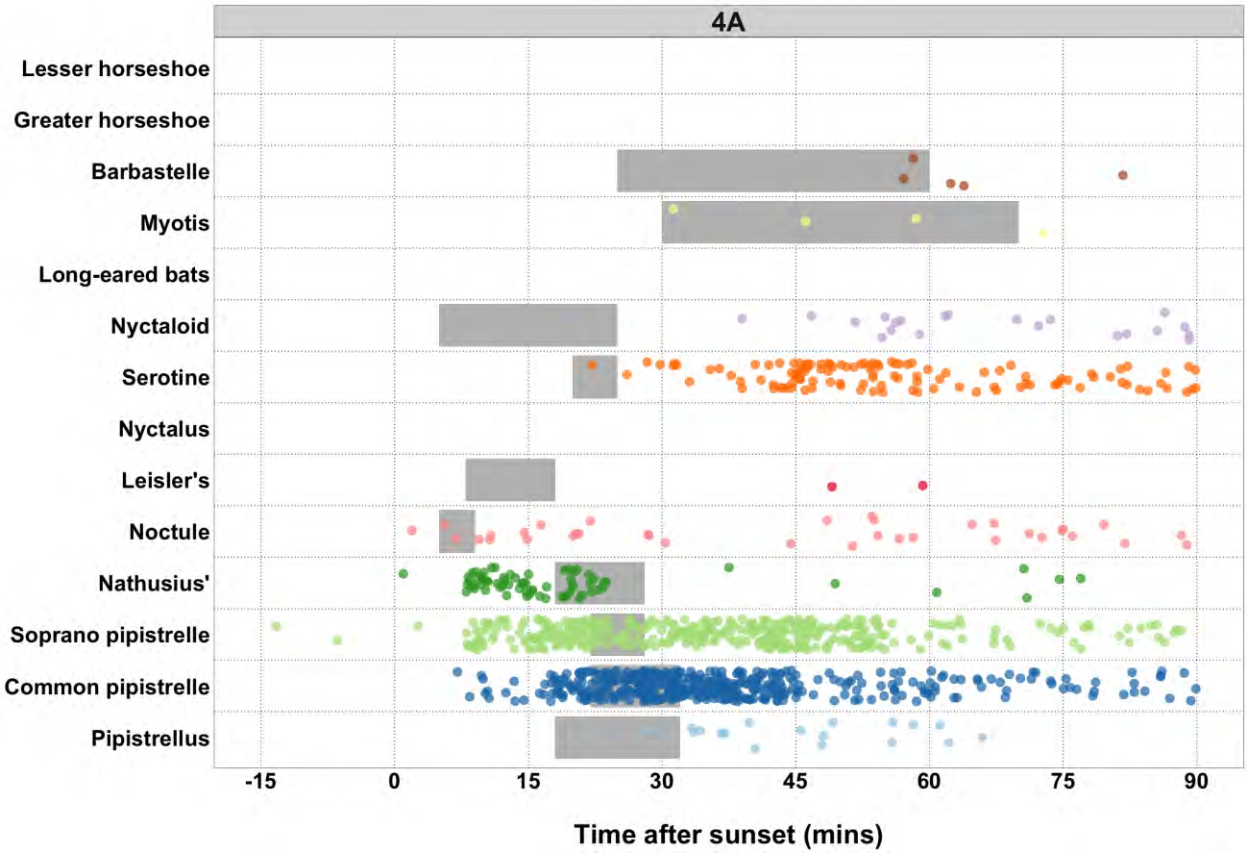
Time after sunset (mins)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Lesser horseshoe
Greater horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
Soprano pipistrelle
Common pipistrelle
Pipistrellus
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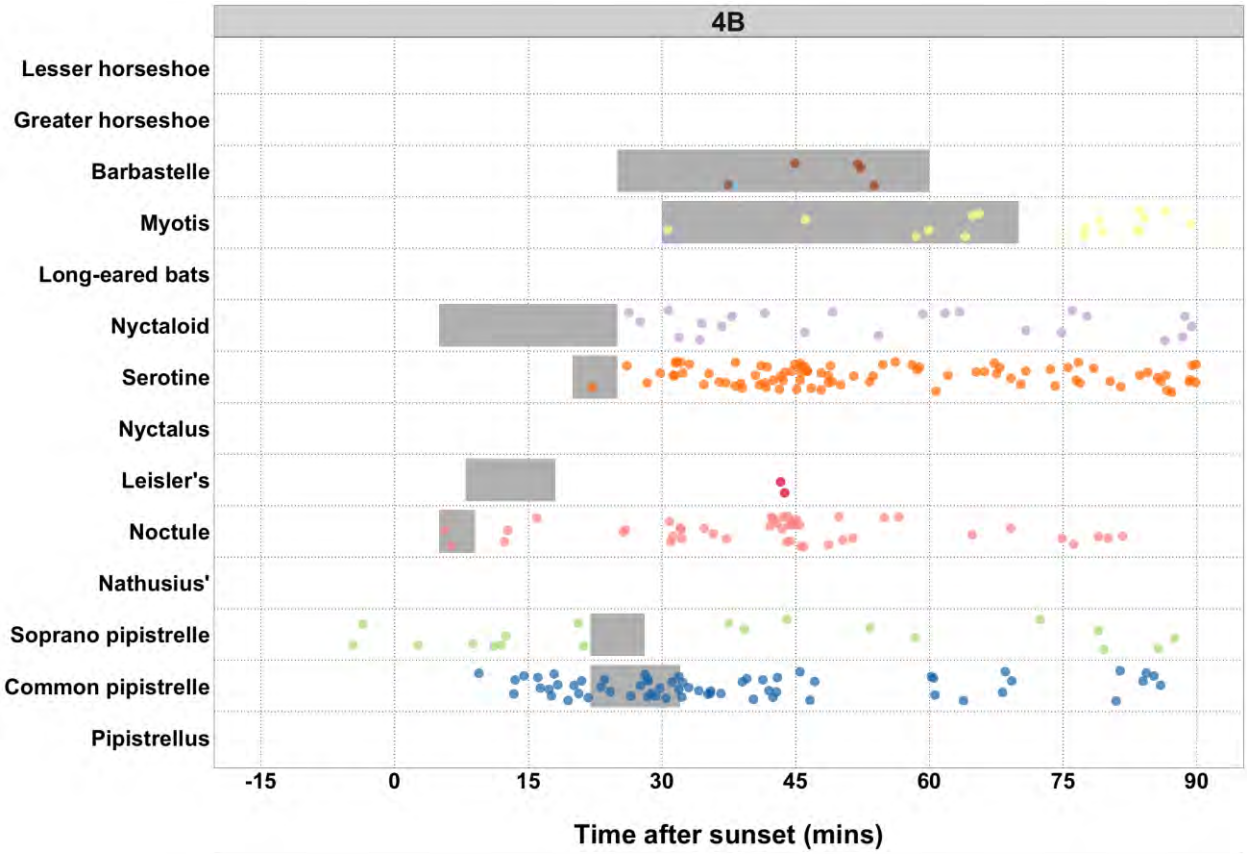
Time after sunset (mins)


4B
Lesser horseshoe
Greater horseshoe
Barbastelle
Myotis
Long-eared bats
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Serotine
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Leisler's
Noctule
Nathusius'
Soprano pipistrelle
Common pipistrelle
Pipistrellus
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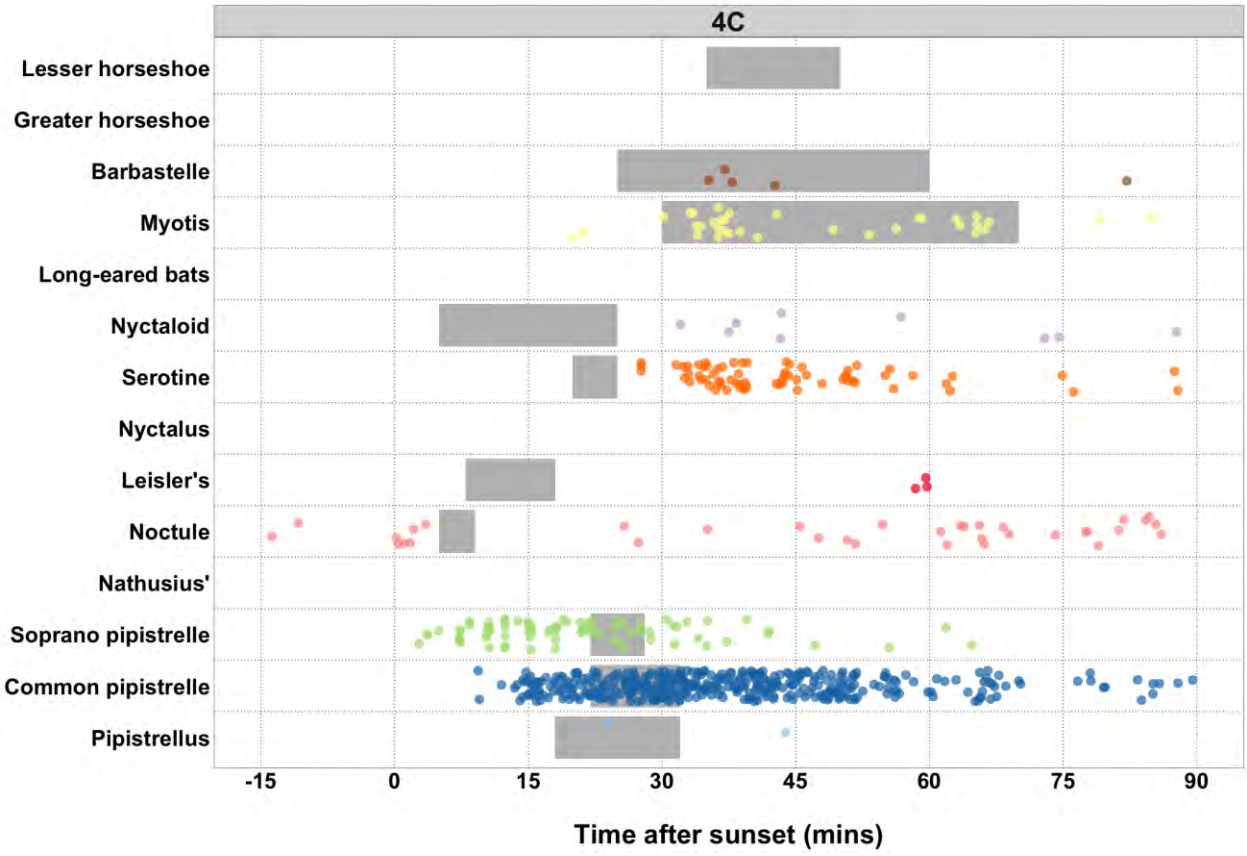
Time after sunset (mins)


4C
Lesser horseshoe
Greater horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
Soprano pipistrelle
Common pipistrelle
Pipistrellus
-15
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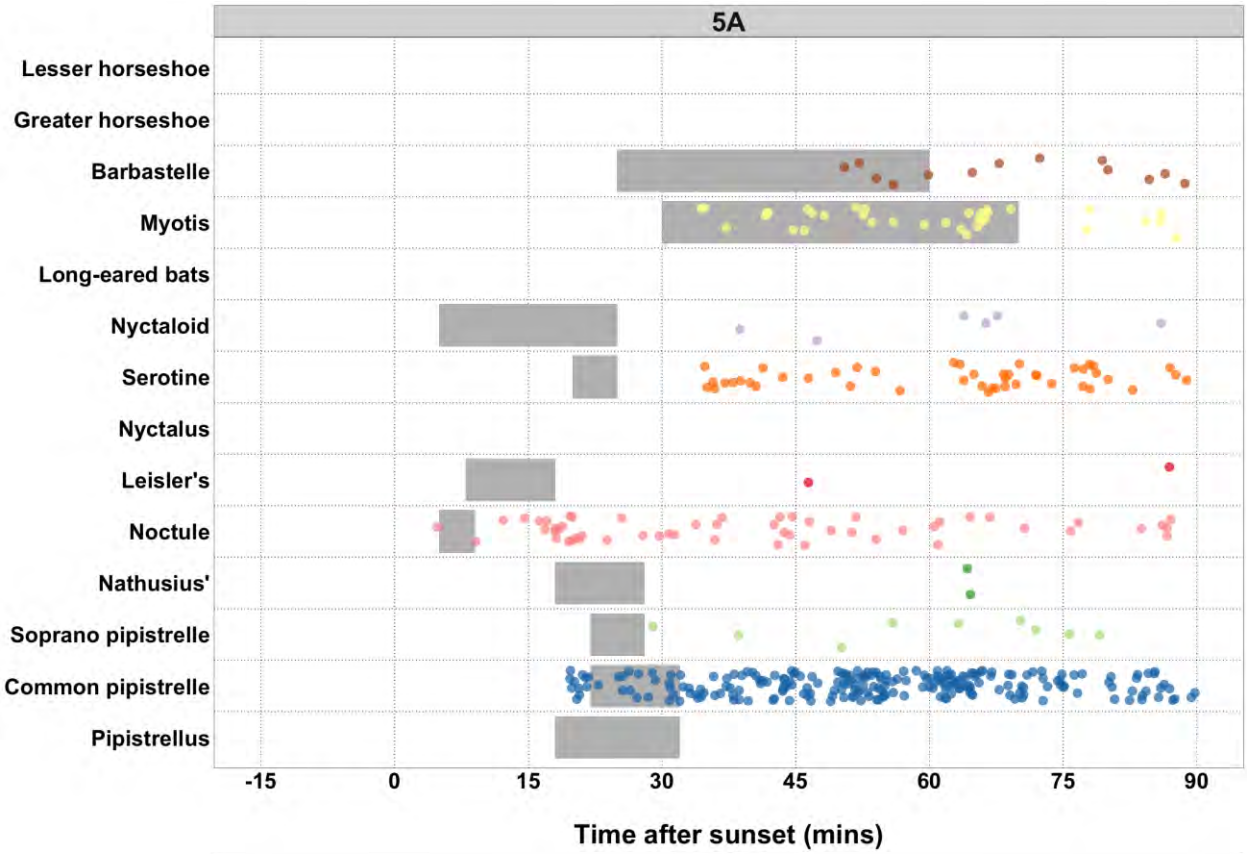
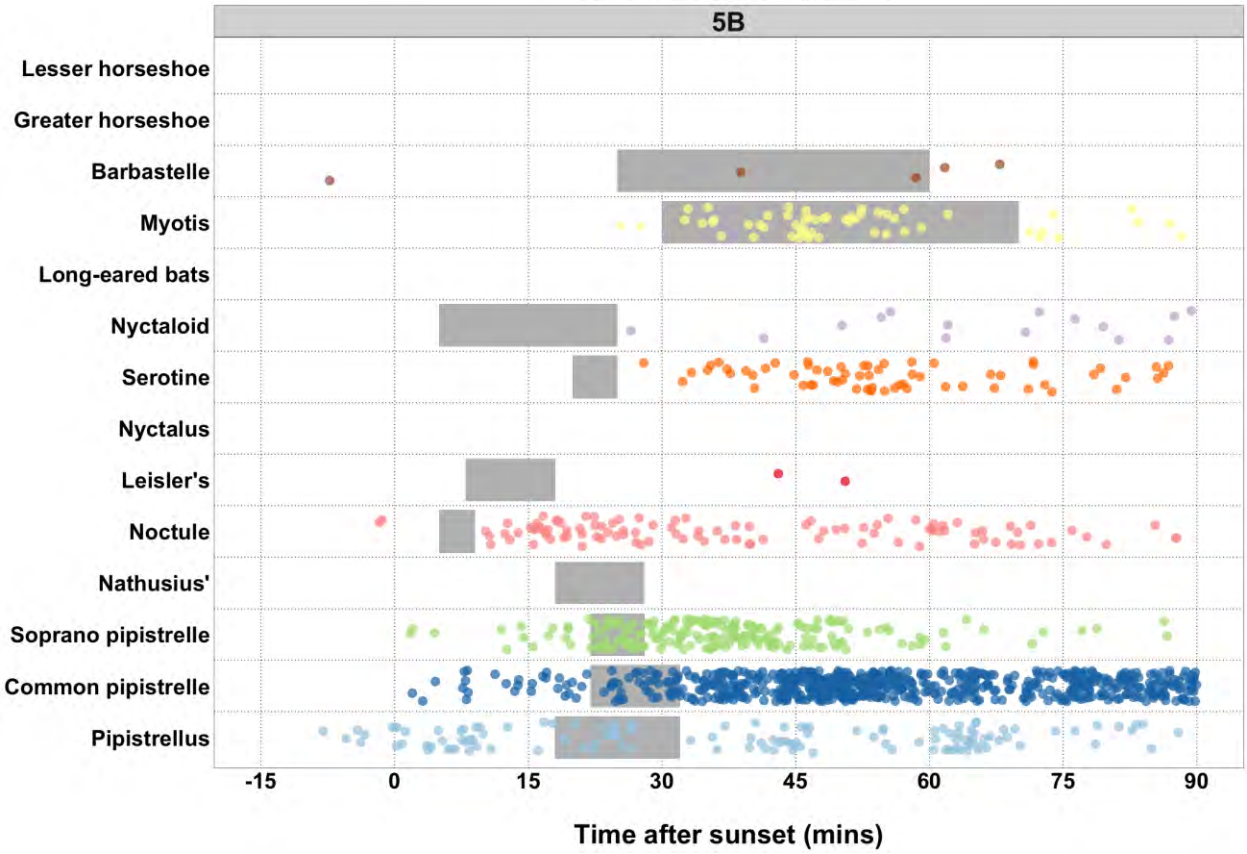
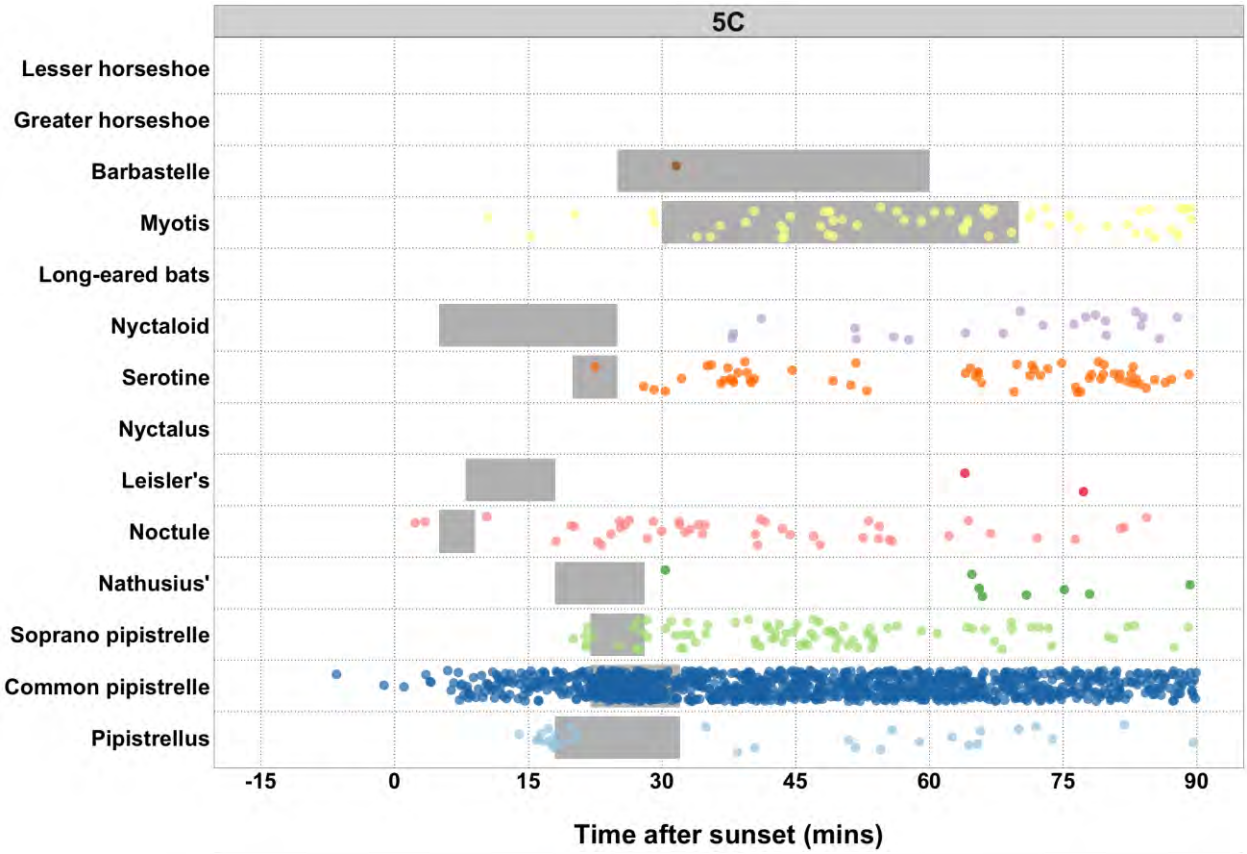
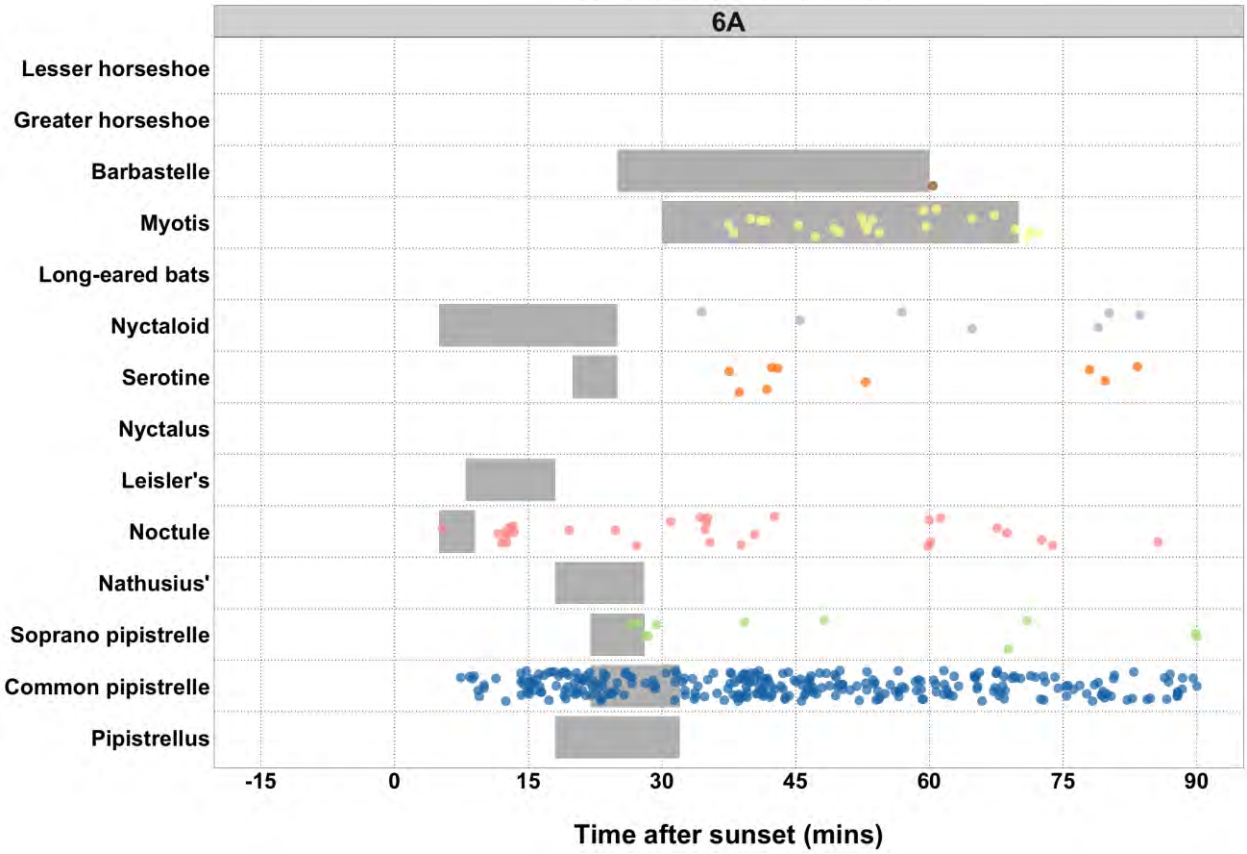
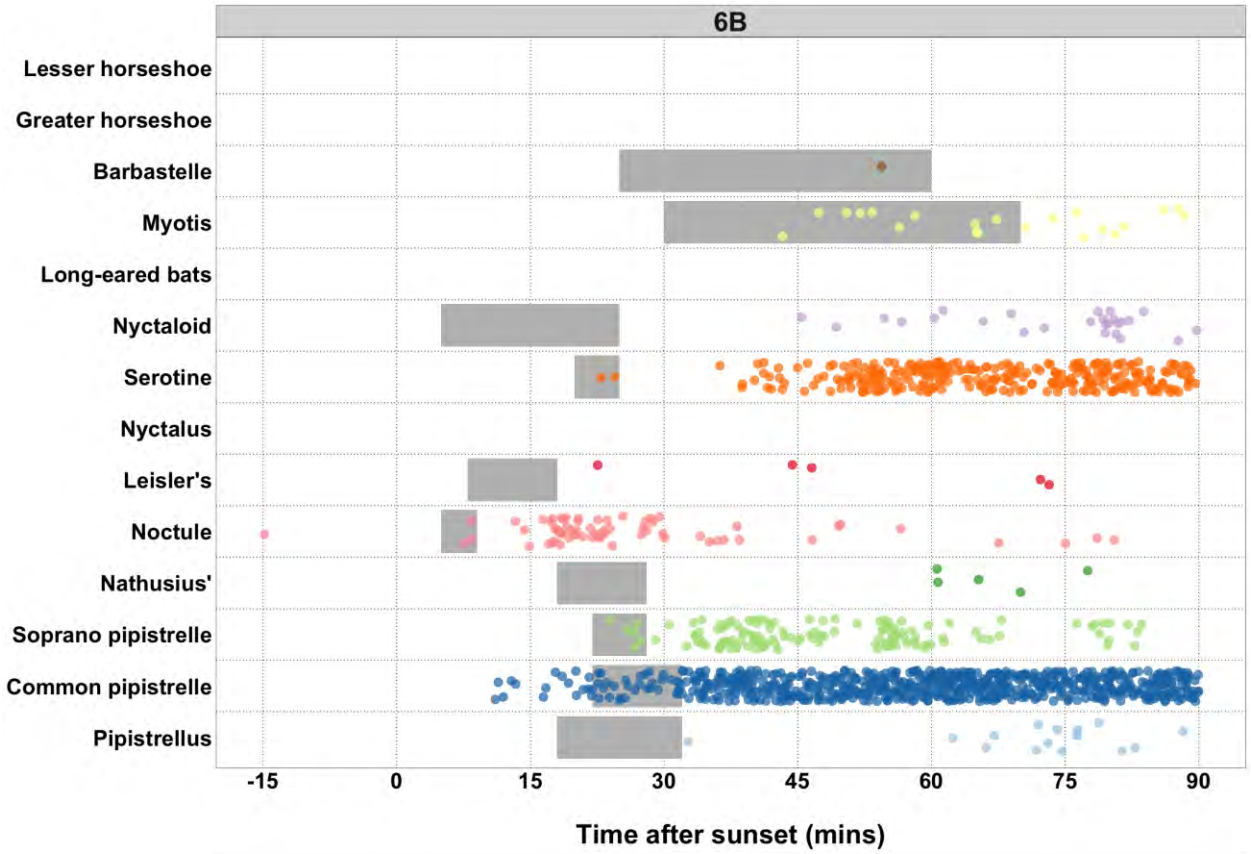
45
60
75
90
Time after sunset (mins)

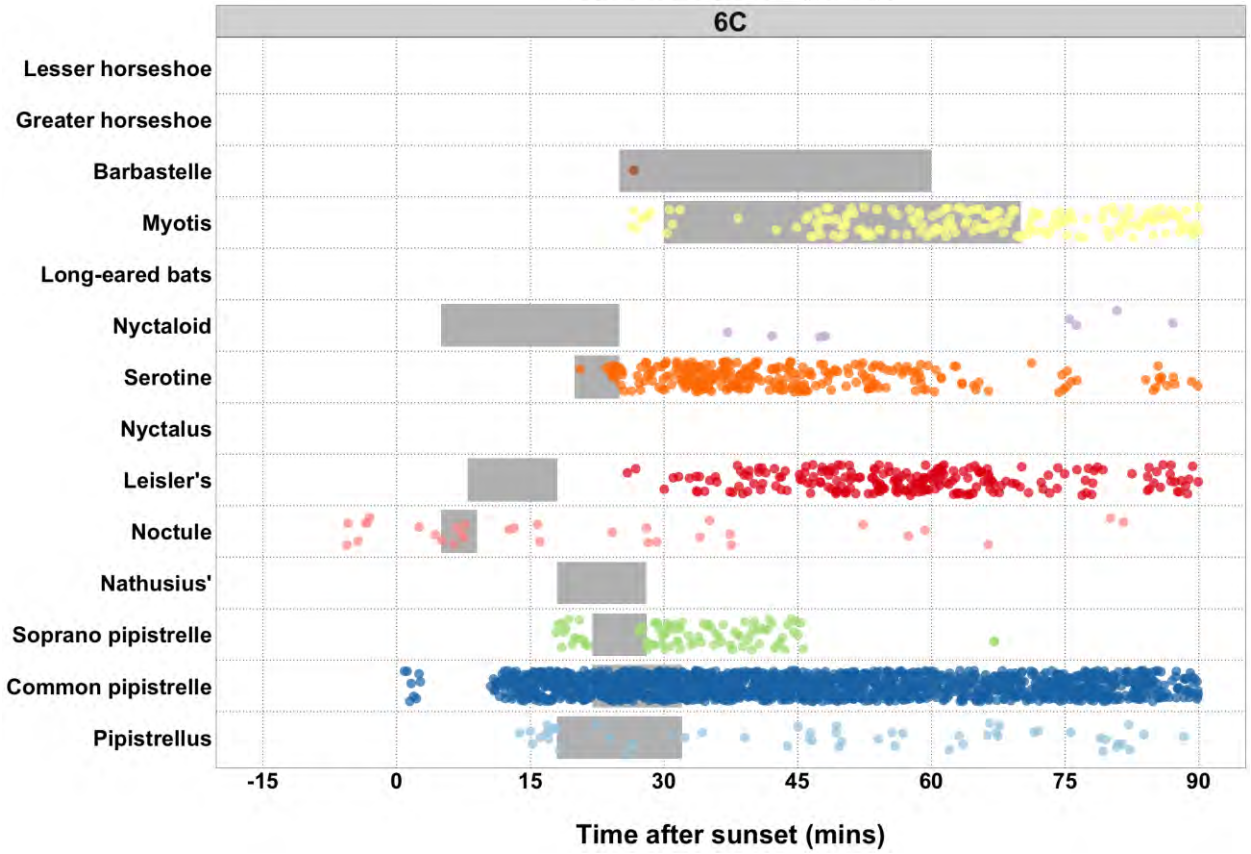

5A
Lesser horseshoe
Greater horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
Soprano pipistrelle
Common pipistrelle
Pipistrellus
-15
0
15
30
45
60
75
90
Time after sunset (mins)

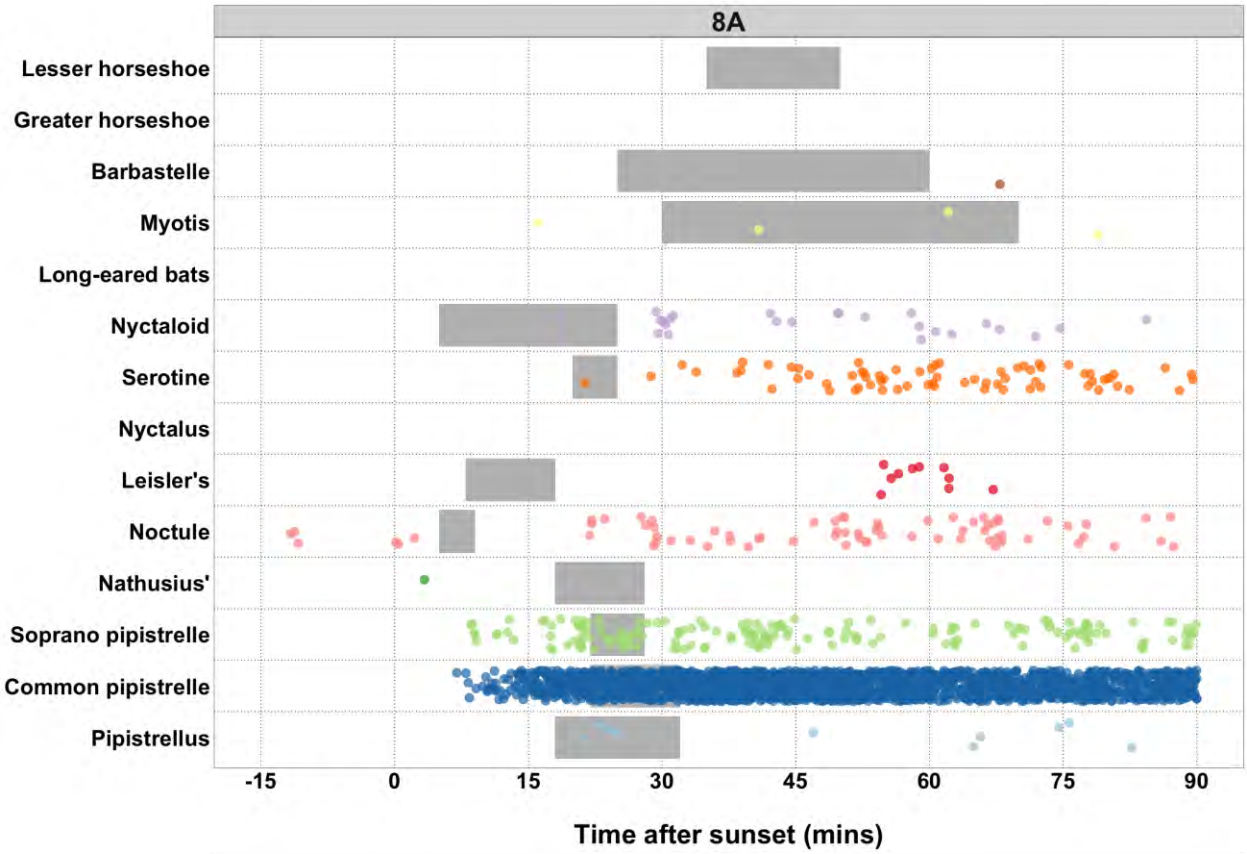

5B
Lesser horseshoe
Greater horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
Soprano pipistrelle
Common pipistrelle
Pipistrellus
-15
0
15
30
45
60
75
90
Time after sunset (mins)

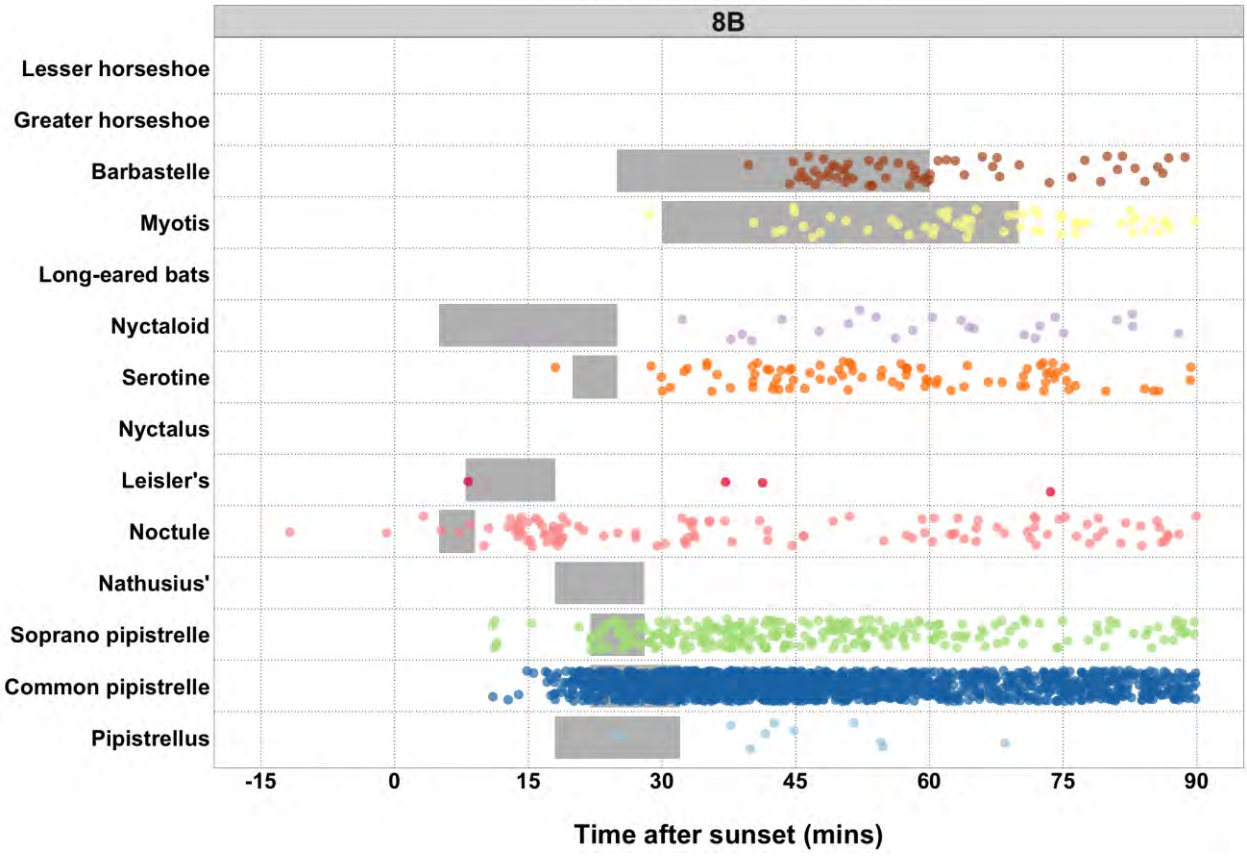

5C
Lesser horseshoe
Greater horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
Soprano pipistrelle
Common pipistrelle
Pipistrellus
-15
0
15
30
45
60
75
90
Time after sunset (mins)

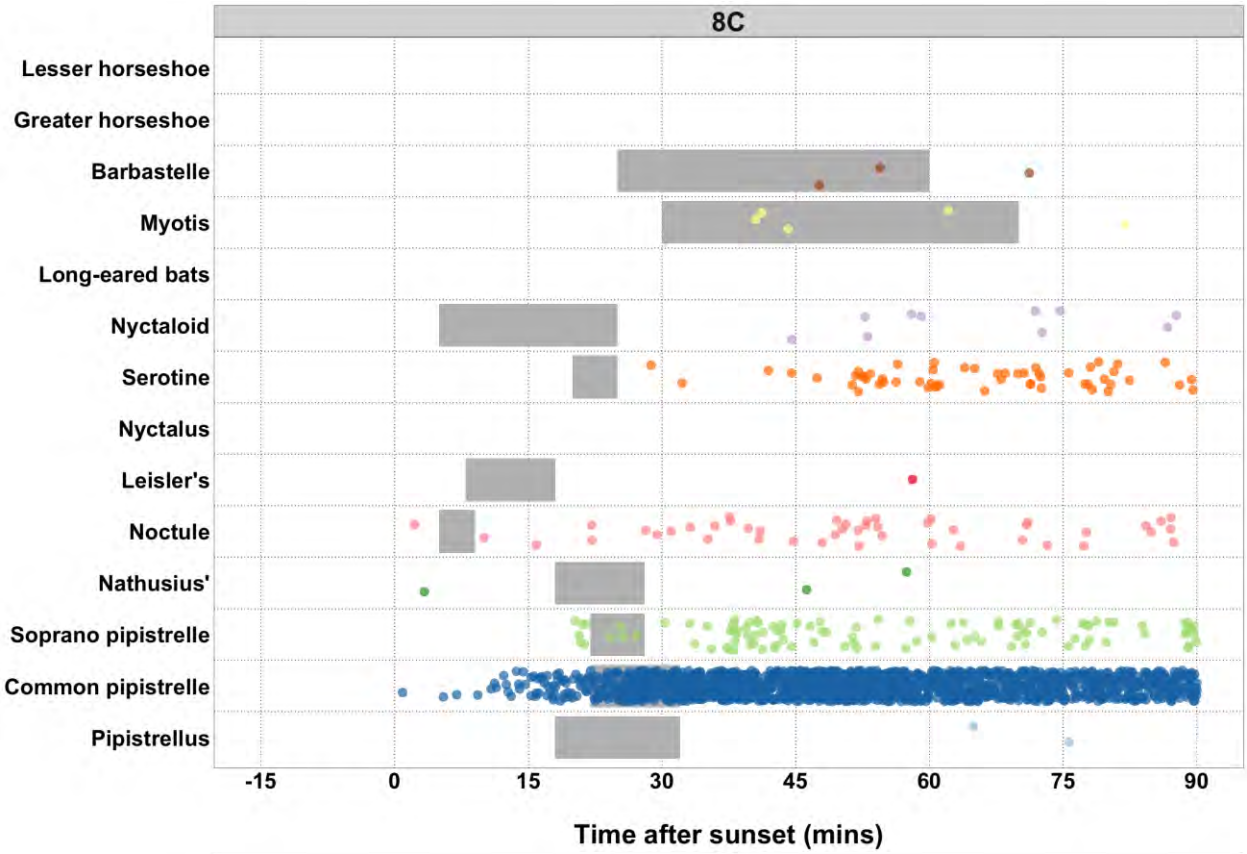

6A
Lesser horseshoe
Greater horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
Soprano pipistrelle
Common pipistrelle
Pipistrellus
-15
0
15
30
45
60
75
90
Time after sunset (mins)

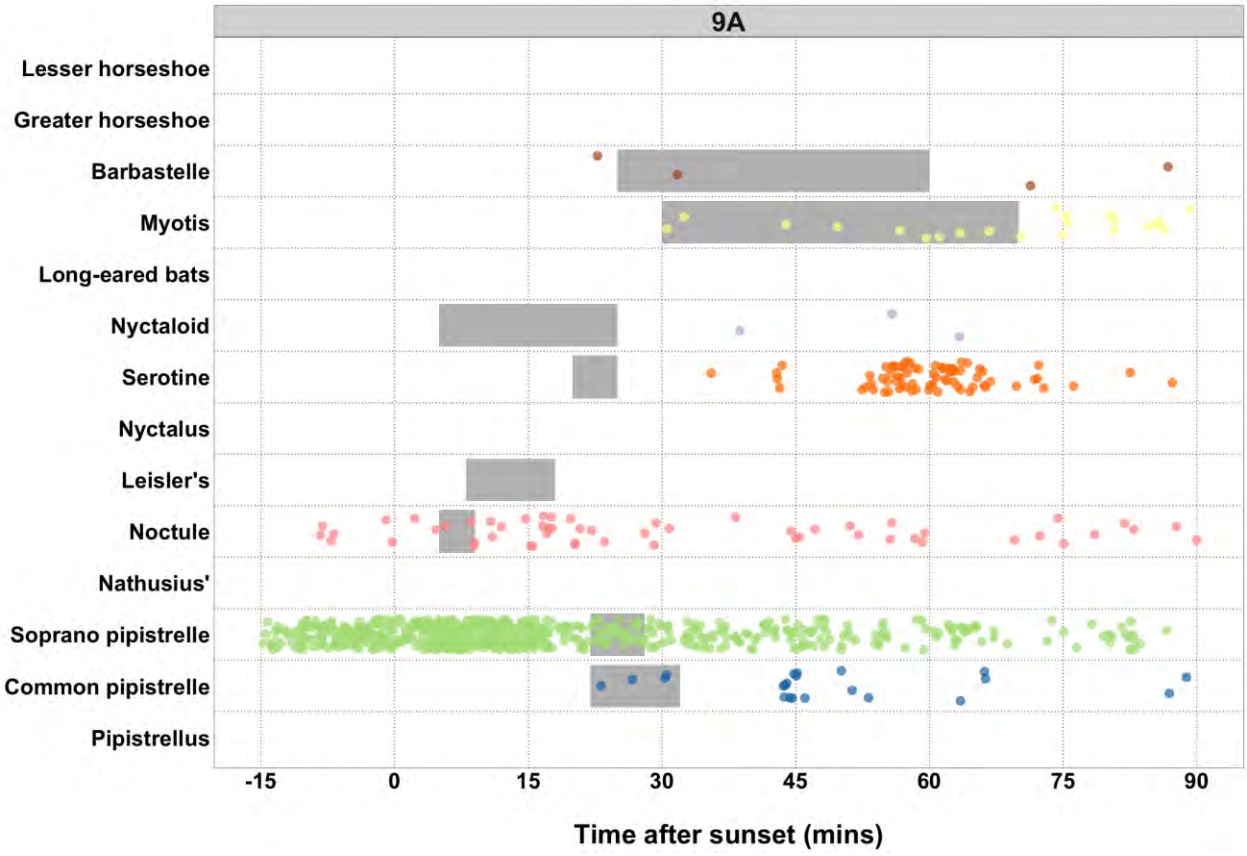

6B
Lesser horseshoe
Greater horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
Soprano pipistrelle
Common pipistrelle
Pipistrellus
-15
0
15
30
45
60
75
90
Time after sunset (mins)

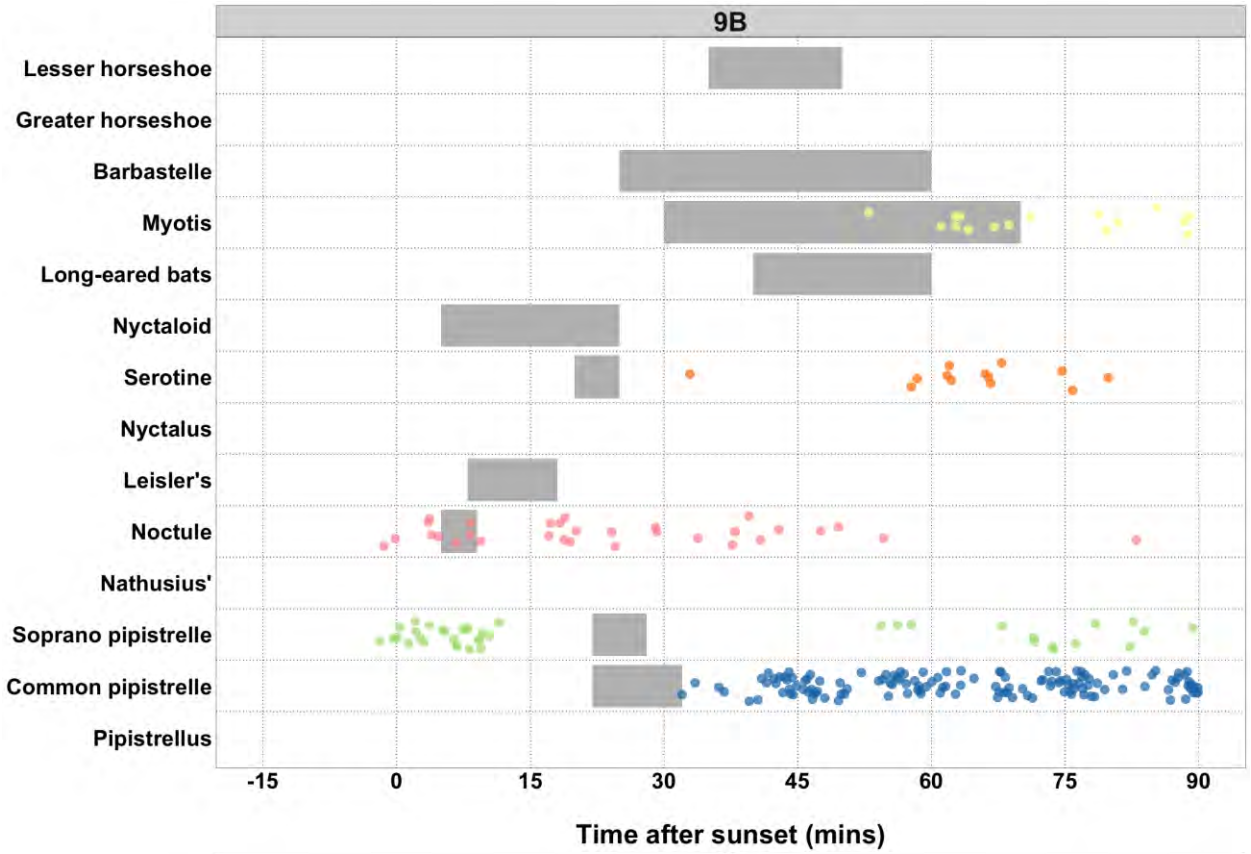

6C
Lesser horseshoe
Greater horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
Soprano pipistrelle
Common pipistrelle
Pipistrellus
-15
0
15
30
45
60
75
90
Time after sunset (mins)

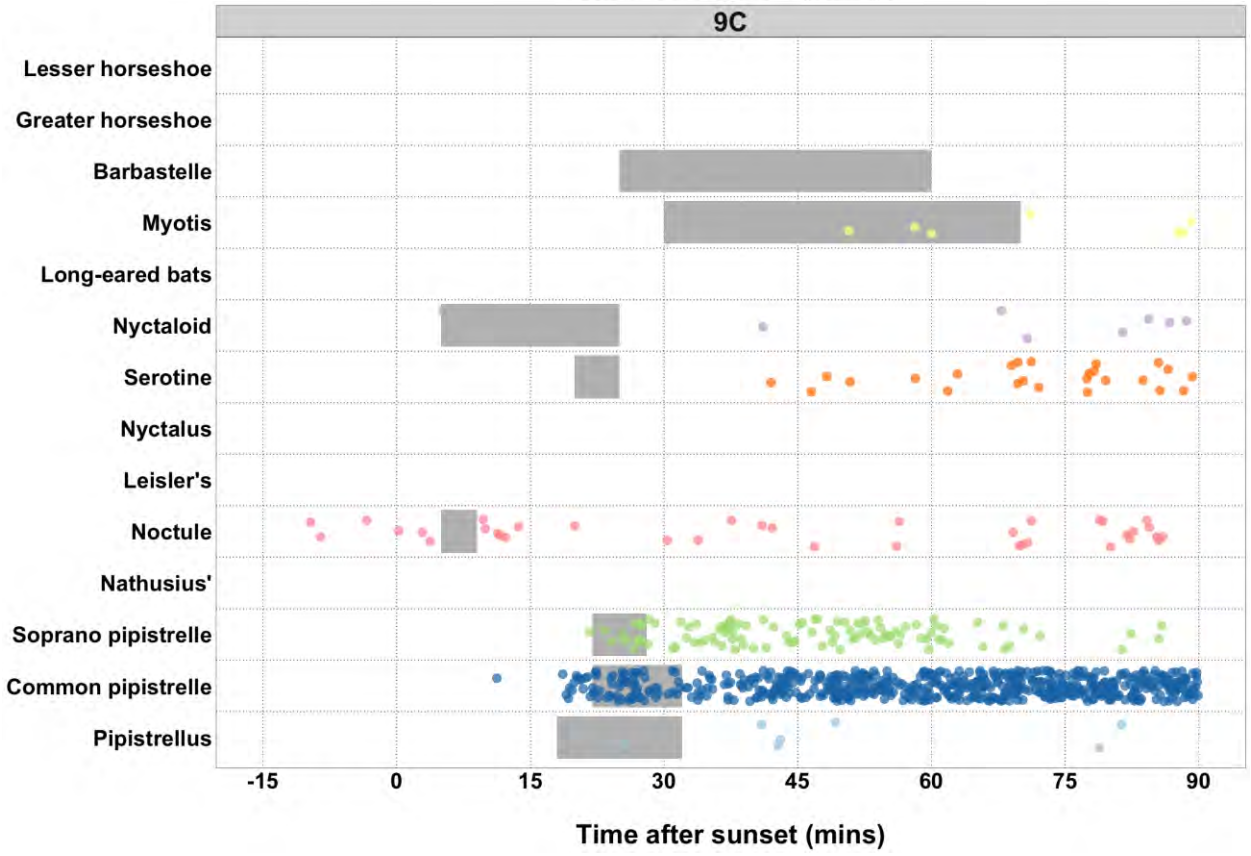

8A
Lesser horseshoe
Greater horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
Soprano pipistrelle
Common pipistrelle
Pipistrellus
-15
0
15
30
45
60
75
90
Time after sunset (mins)


8B
Lesser horseshoe
Greater horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
Soprano pipistrelle
Common pipistrelle
Pipistrellus
-15
0
15
30
45
60
75
90
Time after sunset (mins)


8C
Lesser horseshoe
Greater horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
Soprano pipistrelle
Common pipistrelle
Pipistrellus
-15
0
15
30
45
60
75
90
Time after sunset (mins)


9A
Lesser horseshoe
Greater horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
Soprano pipistrelle
Common pipistrelle
Pipistrellus
-15
0
15
30
45
60
75
90
Time after sunset (mins)


9B
Lesser horseshoe
Greater horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
Soprano pipistrelle
Common pipistrelle
Pipistrellus
-15
0
15
30
45
60
75
90
Time after sunset (mins)


9C
Lesser horseshoe
Greater horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
Soprano pipistrelle
Common pipistrelle
Pipistrellus
-15
0
15
30
45
60
75
90
Time after sunset (mins)

Bat Passes Potentially Indicating Close Proximity to a Roost (Maternity Period Only)

Table 13: *Maternity period defined as 15th June - 30th July.*

Table continues below

Species	Detector ID	2017-06-15	2017-06-16	2017-06-17	2017-06-18	2017-06-19
Pipistrellus	4C	0	0	0	0	0
Pipistrellus	5B	0	0	0	0	0
Common pipistrelle	10A	0	0	0	0	0
Common pipistrelle	11A	0	0	0	0	0
Common pipistrelle	11B	0	0	0	0	0
Common pipistrelle	11C	0	0	0	0	0
Common pipistrelle	12A	0	0	0	0	0
Common pipistrelle	12B	0	0	0	0	0
Common pipistrelle	12C	0	0	0	0	0
Common pipistrelle	13C	0	0	0	0	0
Common pipistrelle	2A	0	0	0	0	0
Common pipistrelle	2B	0	0	0	0	0
Common pipistrelle	2C	0	0	0	0	0
Common pipistrelle	4A	0	0	0	0	0
Common pipistrelle	4B	0	0	0	0	0
Common pipistrelle	4C	0	0	0	0	0
Common pipistrelle	5A	1	1	0	1	1

Common pipistrelle	5B	1	0	0	0	0
Common pipistrelle	5C	0	0	0	0	0
Common pipistrelle	6A	0	0	0	0	0
Common pipistrelle	6B	0	0	0	0	0
Common pipistrelle	6C	354	283	152	0	0
Common pipistrelle	8A	0	0	0	0	0
Common pipistrelle	8B	0	0	0	0	0
Common pipistrelle	8C	0	0	0	0	0
Common pipistrelle	9A	0	0	0	0	0
Common pipistrelle	9C	0	0	0	0	0
Soprano pipistrelle	10A	0	0	0	0	0
Soprano pipistrelle	2A	0	0	0	0	0
Soprano pipistrelle	4B	0	0	0	0	0
Soprano pipistrelle	4C	0	0	0	0	0
Soprano pipistrelle	5B	0	0	0	0	0
Soprano pipistrelle	6A	0	0	0	0	0
Soprano pipistrelle	6B	5	0	0	0	0
Soprano pipistrelle	6C	5	5	0	0	0
Soprano pipistrelle	8B	0	0	0	0	0
Soprano pipistrelle	9A	12	2	9	0	0

Soprano pipistrelle	9C	0	0	0	0	0
Nathusius'	11B	0	0	0	0	0
Nathusius'	2B	0	0	0	0	0
Noctule	10A	0	0	0	0	0
Noctule	10B	0	0	0	0	0
Noctule	10C	0	0	0	0	0
Noctule	11A	0	0	0	0	0
Noctule	12A	0	0	0	0	0
Noctule	12B	0	0	0	0	0
Noctule	12C	0	0	0	0	0
Noctule	13A	0	0	0	0	0
Noctule	13B	0	0	0	0	0
Noctule	13C	0	0	0	0	0
Noctule	2A	0	0	0	0	0
Noctule	2C	0	0	0	0	0
Noctule	4C	0	0	0	0	0
Noctule	6A	0	0	0	0	0
Noctule	6B	0	0	0	0	0
Noctule	6C	0	2	0	0	0
Noctule	8A	0	0	0	0	0
Noctule	8C	0	0	0	0	0
Noctule	9A	0	0	0	0	0
Noctule	9B	0	0	0	0	0
Noctule	9C	0	0	0	0	0
Leisler's	12C	0	0	0	0	0
Nyctalus	12B	0	0	0	0	0
Serotine	12B	0	0	0	0	0
Serotine	12C	0	0	0	0	0
Nyctaloid	12C	0	0	0	0	0
Nyctaloid	4A	0	0	0	0	0
Nyctaloid	5C	0	1	0	1	0
Long-eared bats	10A	0	0	0	0	0
Myotis	10A	0	0	0	0	0
Myotis	10B	0	0	0	0	0
Myotis	11A	0	0	0	0	0

Myotis	11B	0	0	0	0	0
Myotis	11C	0	0	0	0	0
Myotis	12A	0	0	0	0	0
Myotis	12B	0	0	0	0	0
Myotis	12C	0	0	0	0	0
Myotis	2A	0	0	0	0	0
Myotis	2B	0	0	0	0	0
Myotis	2C	0	0	0	0	0
Myotis	4B	0	0	0	0	0
Myotis	5A	1	0	0	0	0
Myotis	5B	1	0	0	0	0
Myotis	5C	0	0	1	1	0
Myotis	6A	0	0	1	0	0
Myotis	6B	0	0	1	0	0
Myotis	8B	0	0	0	0	0
Myotis	9A	0	0	0	0	0
Myotis	9B	0	0	0	0	0
Myotis	9C	0	0	0	0	0
Barbastelle	10A	0	0	0	0	0
Barbastelle	11A	0	0	0	0	0
Barbastelle	12C	0	0	0	0	0
Barbastelle	4C	0	0	0	0	0
Barbastelle	5C	0	0	0	0	0
Barbastelle	8B	0	0	0	0	0
Barbastelle	8C	0	0	0	0	0
Barbastelle	9A	0	0	0	0	0

Table continues below

2017-06-20	2017-06-21	2017-06-22	2017-06-23	2017-06-24	2017-07-03	2017-07-04
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0	0	0	0	7	0	0
0	0	0	0	8	0	0
5	0	0	0	0	0	0
0	1	2	7	3	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	11	5
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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12	15	4	14	7	0	0
1	0	4	4	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	3	2
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1	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	5	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	5	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	1	0	0
0	0	0	0	0	0	0
0	0	0	0	1	0	0
0	0	0	0	0	0	0
0	0	0	0	1	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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1	1	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	1	0	0
0	0	0	0	1	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	0	0	0	0
0	0	0	0	0	0	0

Table continues below

2017-07-05	2017-07-06	2017-07-07	2017-07-08	2017-07-09	2017-07-11	2017-07-12
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
7	5	18	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	2	5
29	10	26	67	11	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	1	3
0	0	0	0	0	4	1
0	0	0	0	0	1	3
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	0	1	0	0	0	0
0	0	0	0	0	0	1
13	1	6	1	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

1	0	1	0	0	0	0
0	0	0	0	0	0	0
0	1	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	1	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	1

0	0	0	0	0	0	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	3	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

Table continues below

2017-07-13	2017-07-14	2017-07-15	2017-07-16	2017-07-18	2017-07-19	2017-07-20
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	3	0	2
0	0	0	0	0	34	4
0	0	0	0	44	18	0
0	0	0	0	2	2	3
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	0	0	0	1
3	3	1	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
6	2	1	0	0	0	0
3	0	1	0	0	0	0

4	0	0	0	0	0	0
6	0	3	0	0	0	0
20	34	36	0	0	0	0
6	0	3	0	0	0	0
0	0	0	0	0	0	1
0	0	0	0	0	3	26
0	0	0	0	0	2	0
0	0	0	0	0	0	0
1	0	1	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	0	0	0	0	0	0
0	0	1	0	0	0	0
0	0	0	0	0	0	0
3	0	0	0	0	0	0
0	0	0	0	22	62	51
0	0	0	0	6	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	1	0	0
0	0	0	0	1	1	0
0	0	0	0	0	2	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	0	0	0	0
0	1	0	0	0	0	0
1	0	0	0	0	0	0
1	0	0	0	0	0	0

1	0	0	0	0	0	0
0	0	0	0	8	1	0
0	0	0	0	5	1	0
0	0	0	0	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	1	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	49	1	37
0	0	0	0	2	1	0
0	0	0	0	3	0	0
0	0	0	0	2	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	1	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
2	0	0	0	0	0	0
0	0	1	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	1
0	0	0	0	0	0	1
0	0	0	0	1	0	3
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	1	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

Table continues below

2017-07-21	2017-07-22	2017-07-25	2017-07-26	2017-07-27	2017-07-28	2017-07-29
0	0	0	0	0	0	0
0	0	6	1	0	0	0
0	2	0	0	0	0	0
0	5	0	0	0	0	0
3	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	0	0	0	1
0	0	9	1	0	0	27
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	3	2	8	4	10
0	0	5	4	4	4	54
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	2	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	5	4	3
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
34	147	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	0	0	0	0
0	0	0	0	0	0	0
0	1	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	1	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	0	0	0	0
0	0	6	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	1	1	3	0
0	0	0	1	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	2	0	0	0	0	0
0	1	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	1	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	1	0	0	0	0	0

Table continues below

2017-07-	2019-06-	2019-06-	2019-06-	2019-06-	2019-06-	2019-06-

30	19	20	21	22	23	24
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	6	2	7
0	6	5	3	4	3	10
0	10	5	4	22	38	28
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
5	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
3	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
2	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	2	1	1
0	0	0	0	3	3	0
0	0	0	0	0	3	2
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	1	0
0	0	0	0	0	6	0
0	0	0	0	0	1	0
0	0	0	0	0	0	2
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	1	0	0	1
0	0	0	3	2	0	1
0	1	2	0	1	1	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

Table continues below

2019-07-15	2019-07-16	2019-07-17	2019-07-18	2019-07-19	2019-07-20	2019-07-21
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

1	0	0	0	0	0	1
2	2	11	3	1	1	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	1	0	0	0	0
0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

Table continues below

2020-07-20	2020-07-21	2020-07-22	2020-07-23	2020-07-24	2020-07-25	2020-07-26
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
32	16	63	173	381	23	808
0	0	0	2	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	2	11	3	2	1	0
0	0	0	2	0	0	0
0	0	1	2	0	0	0

0	1	4	1	2	1	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	0	2	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	2	2	1	4	0	1
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

2020-07-27	2020-07-28
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
1	2
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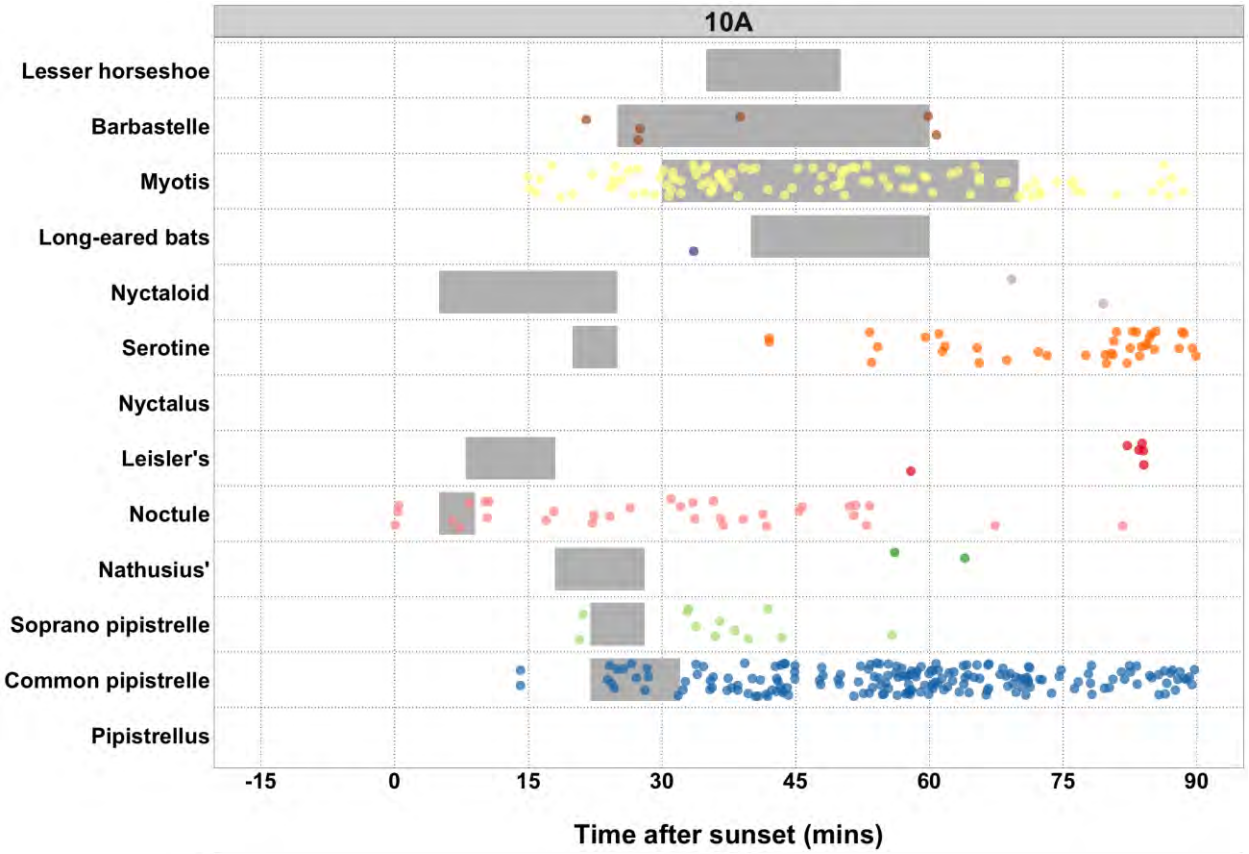
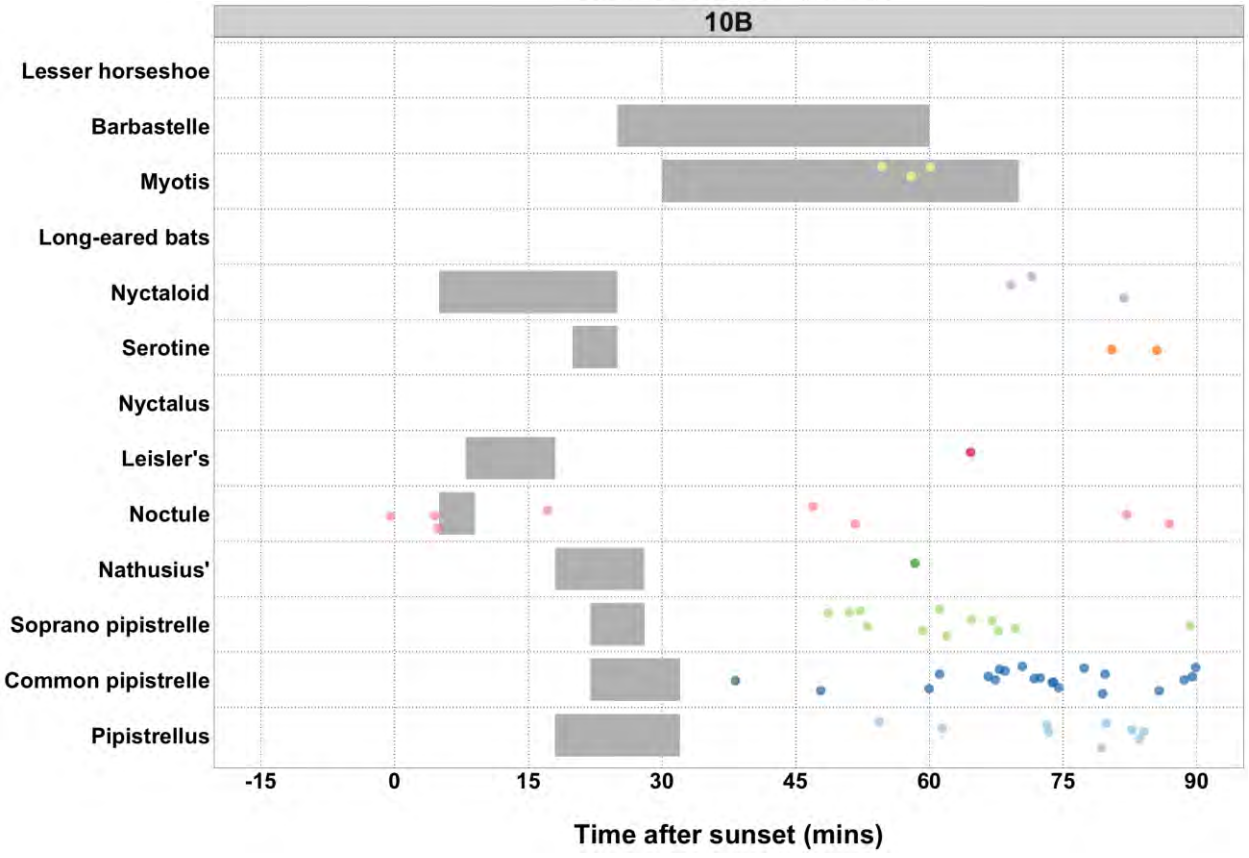
0	0
0	0
0	0
0	0
0	0
1	0

0	0
0	0
0	0
0	0
0	0

Bat Passes Potentially Indicating Close Proximity to a Roost (Maternity Period Only)

Figure 9. *Maternity period defined as 15th June - 30th July.*


10A
Lesser horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
Soprano pipistrelle
Common pipistrelle
Pipistrellus
-15
0
15
30
45
60
75
90
Time after sunset (mins)


10B
Lesser horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
Soprano pipistrelle
Common pipistrelle
Pipistrellus
-15
0
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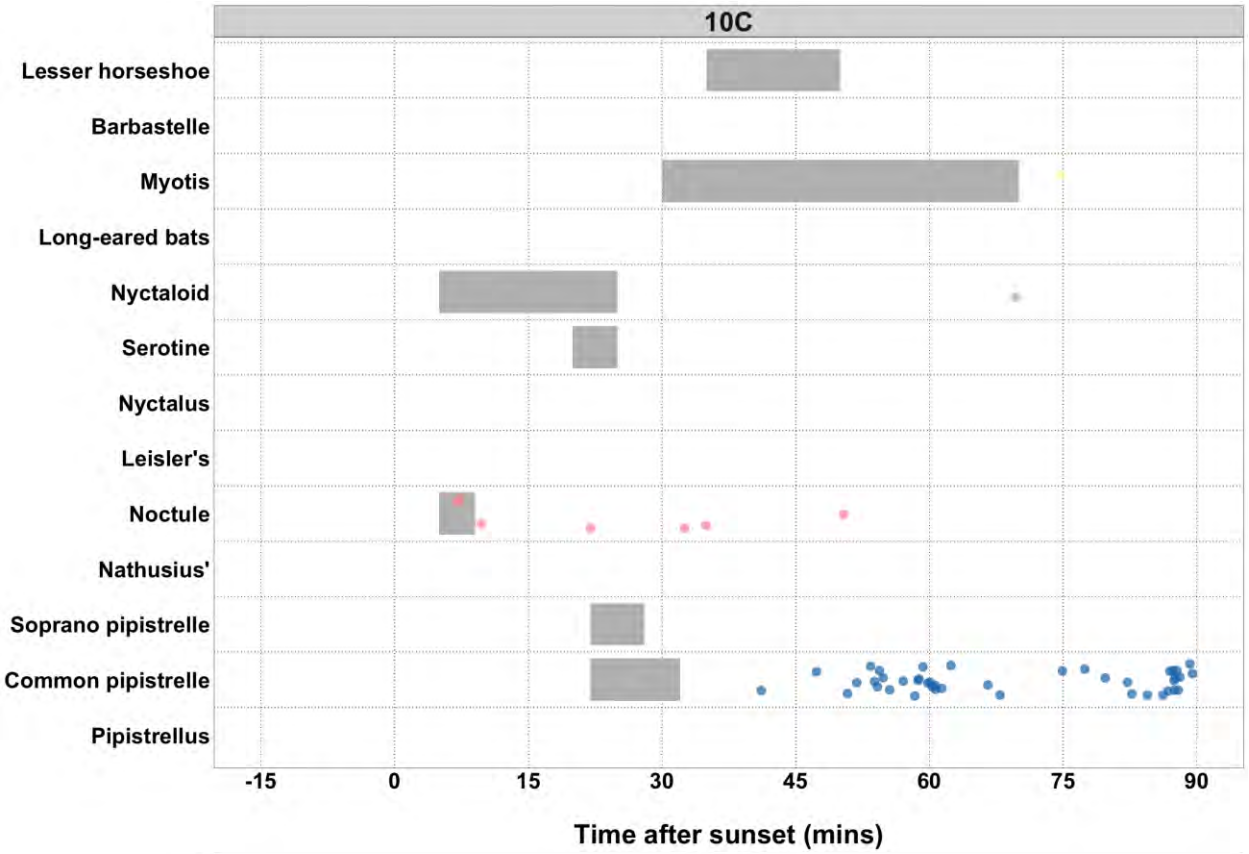
90
Time after sunset (mins)


10C
Lesser horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
Soprano pipistrelle
Common pipistrelle
Pipistrellus
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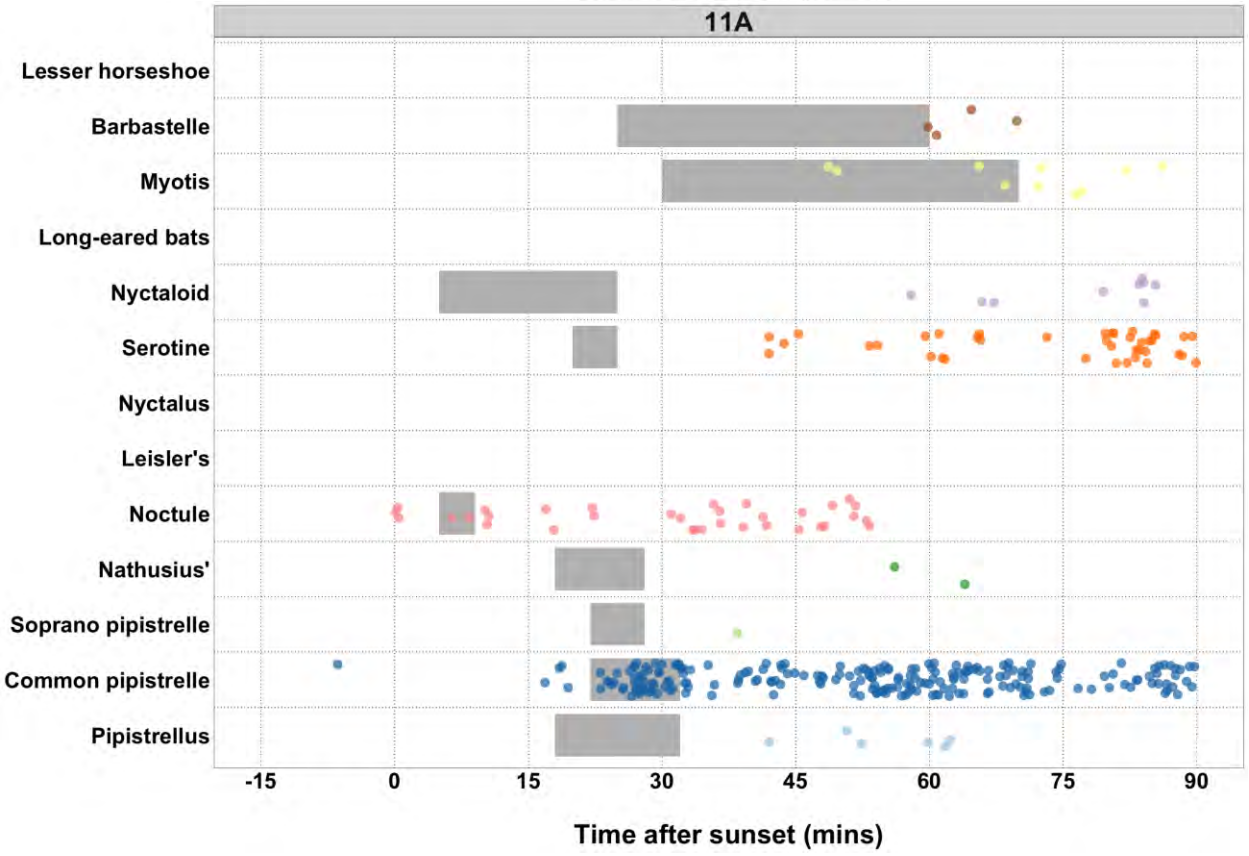
Time after sunset (mins)


11A
Lesser horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
Soprano pipistrelle
Common pipistrelle
Pipistrellus
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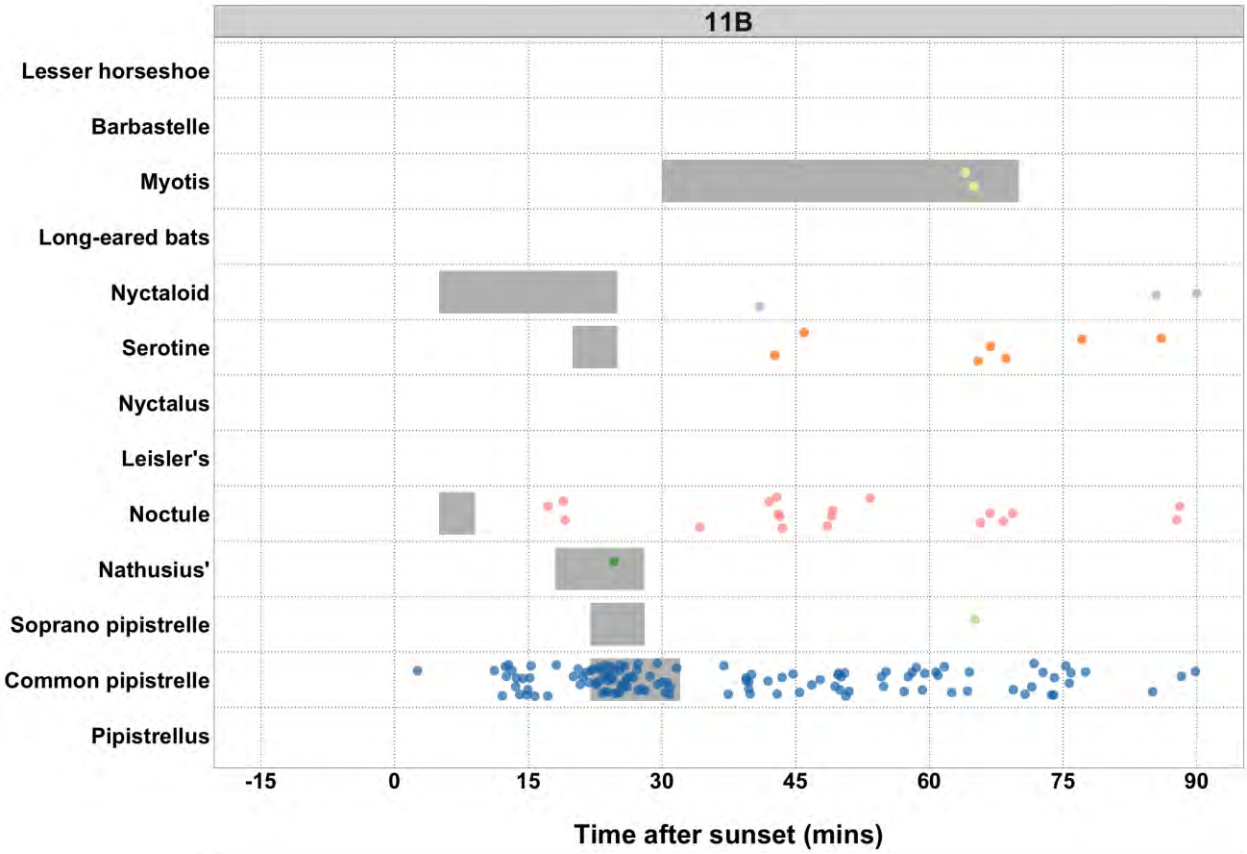
Time after sunset (mins)


11B
Lesser horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
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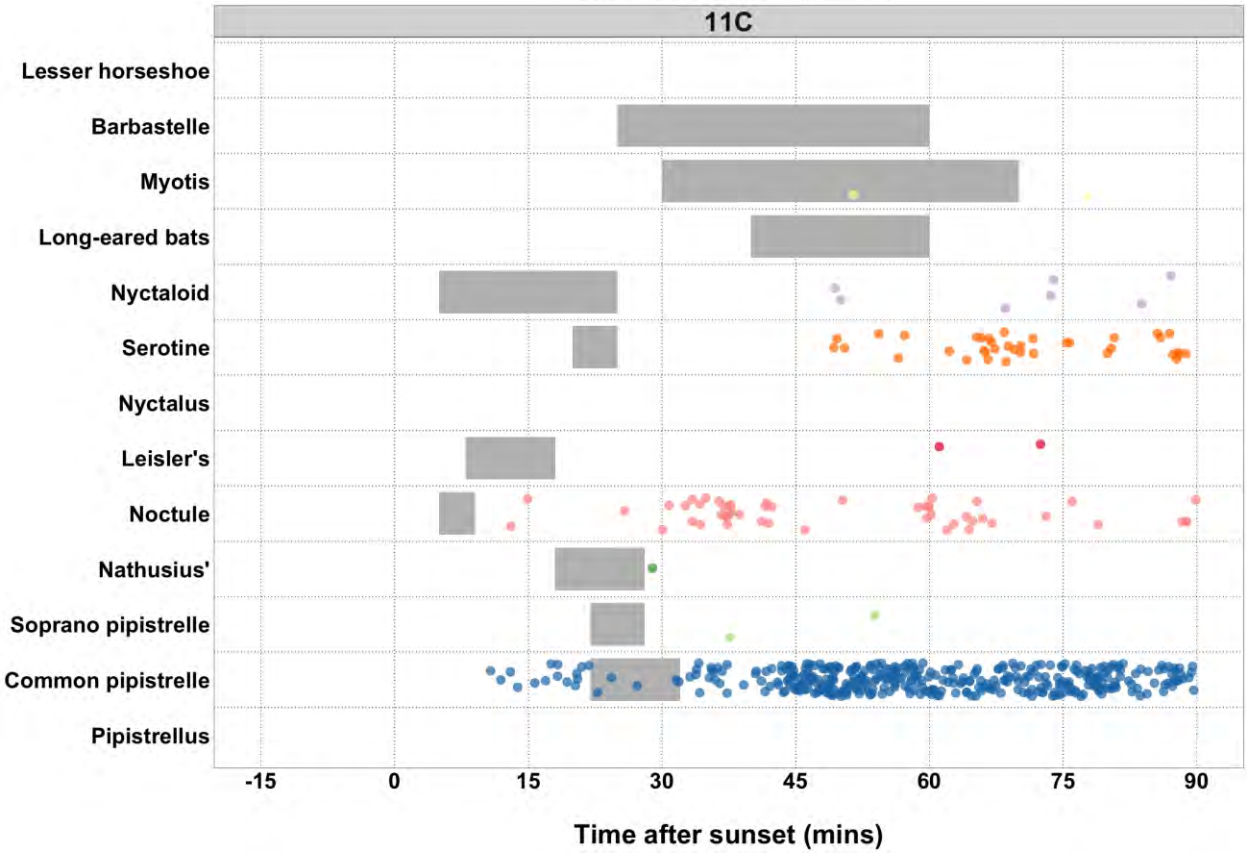
Time after sunset (mins)


11C
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Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
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Pipistrellus
-15
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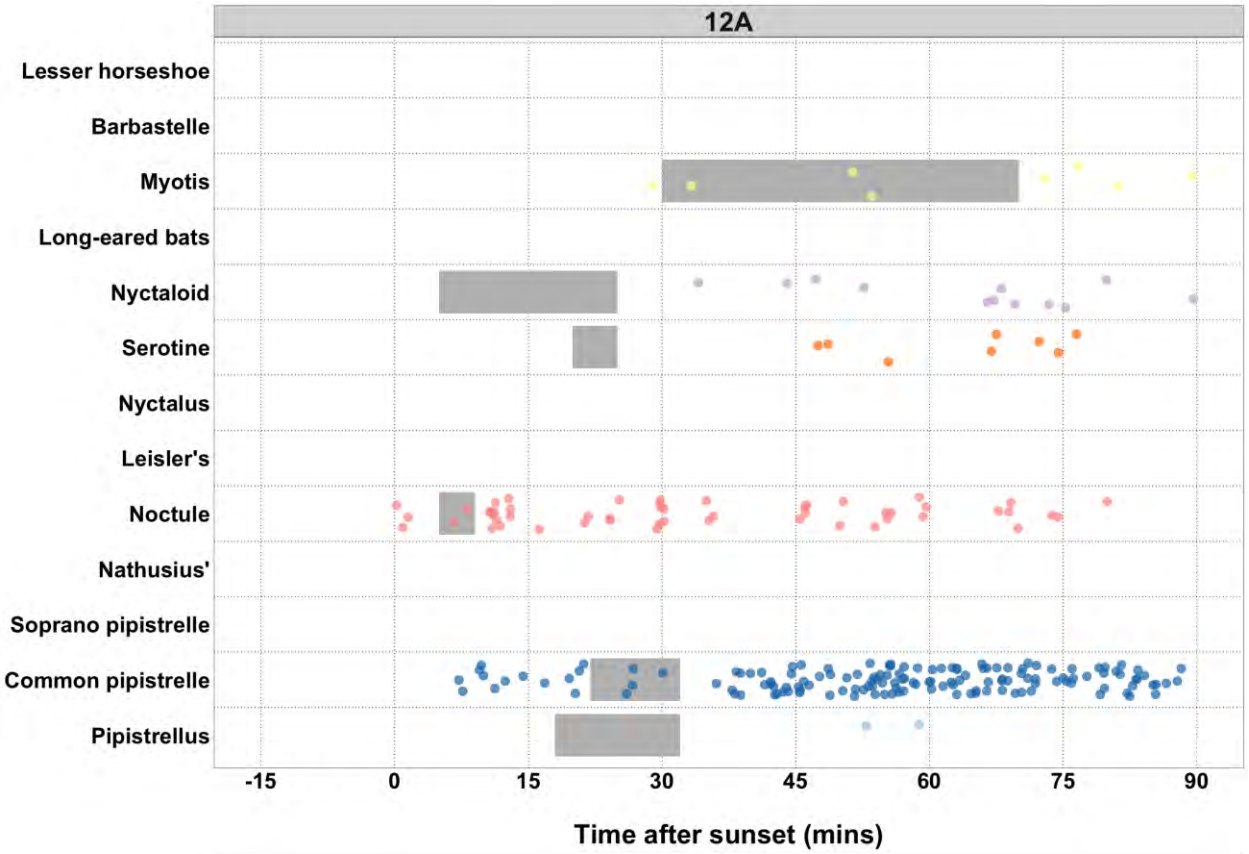
Time after sunset (mins)


12A
Lesser horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
Soprano pipistrelle
Common pipistrelle
Pipistrellus
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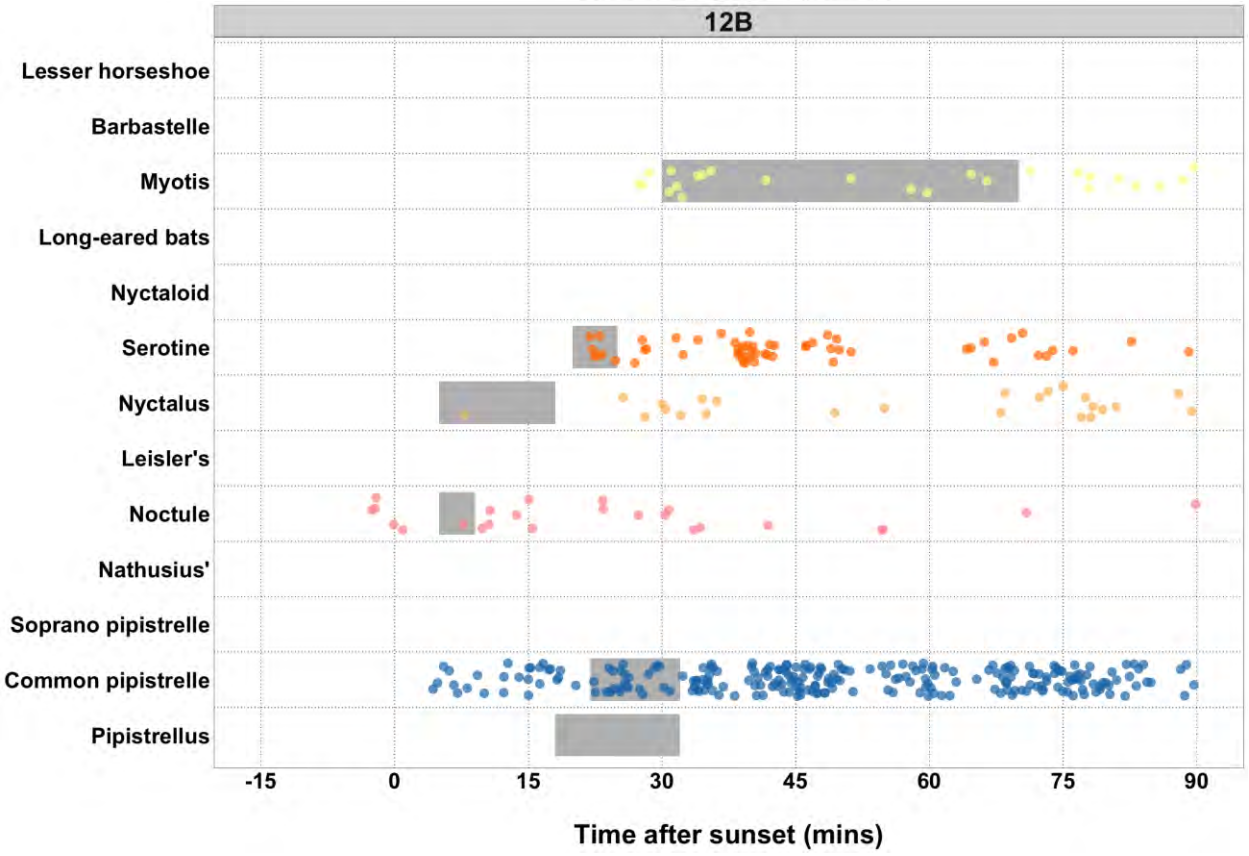
Time after sunset (mins)


12B
Lesser horseshoe
Barbastelle
Myotis
Long-eared bats
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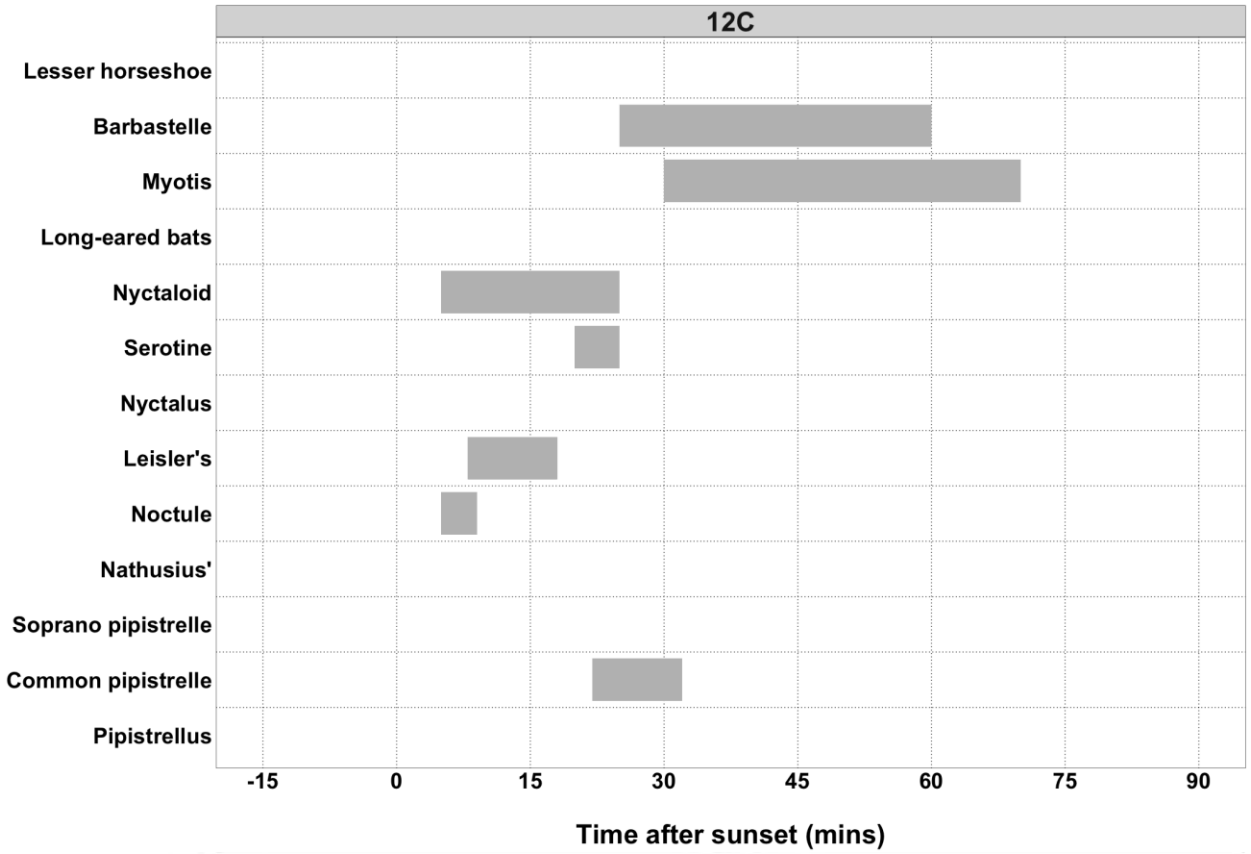
Time after sunset (mins)


12C
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Long-eared bats
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Pipistrellus
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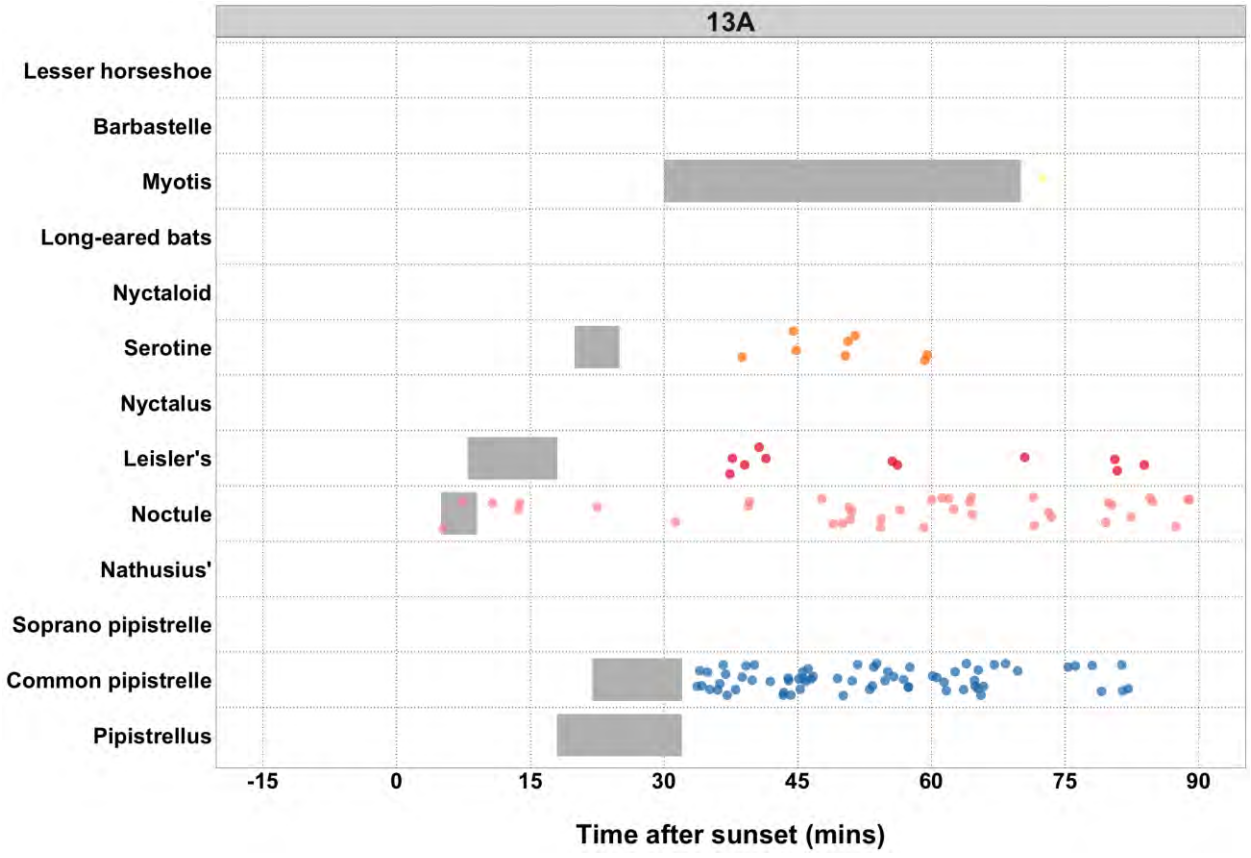
Time after sunset (mins)


13A
Lesser horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
Soprano pipistrelle
Common pipistrelle
Pipistrellus
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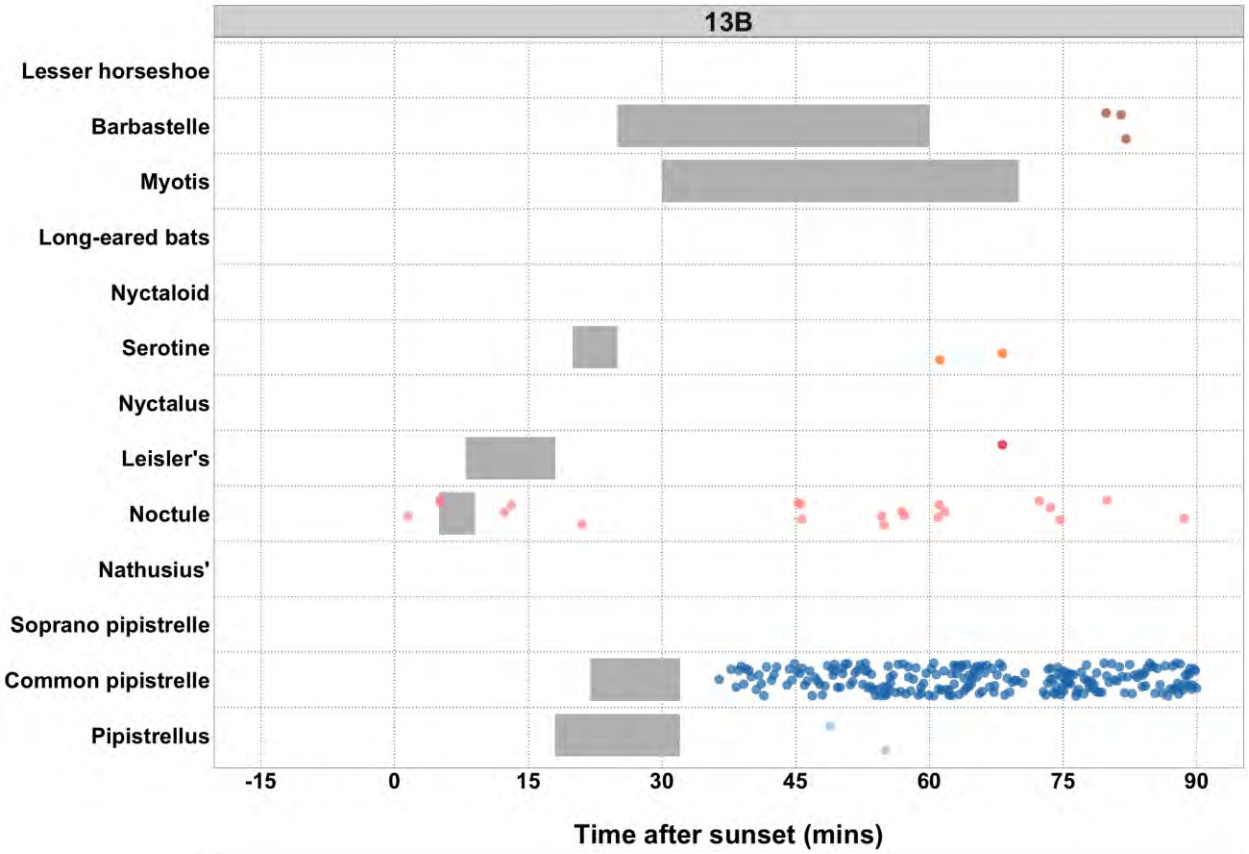
90
Time after sunset (mins)


13B
Lesser horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
Soprano pipistrelle
Common pipistrelle
Pipistrellus
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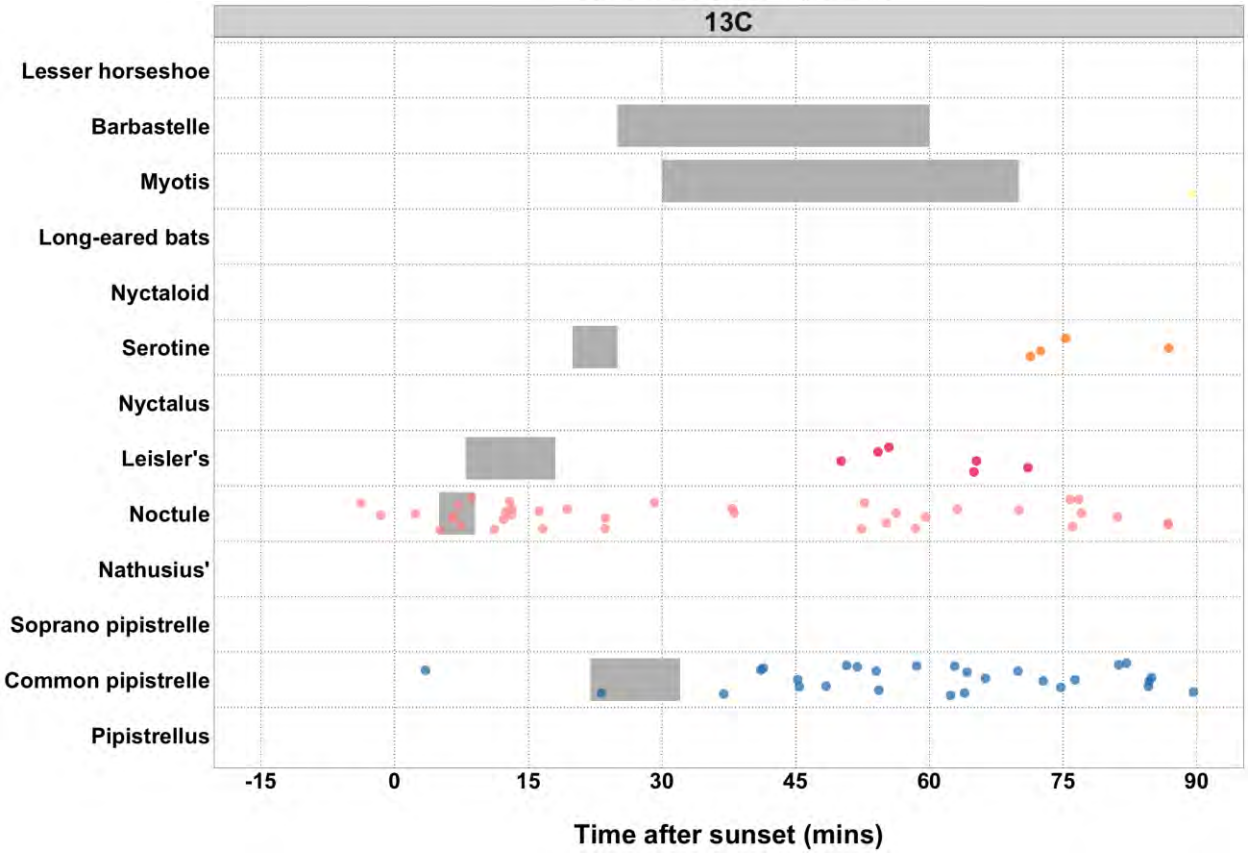
Time after sunset (mins)


13C
Lesser horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
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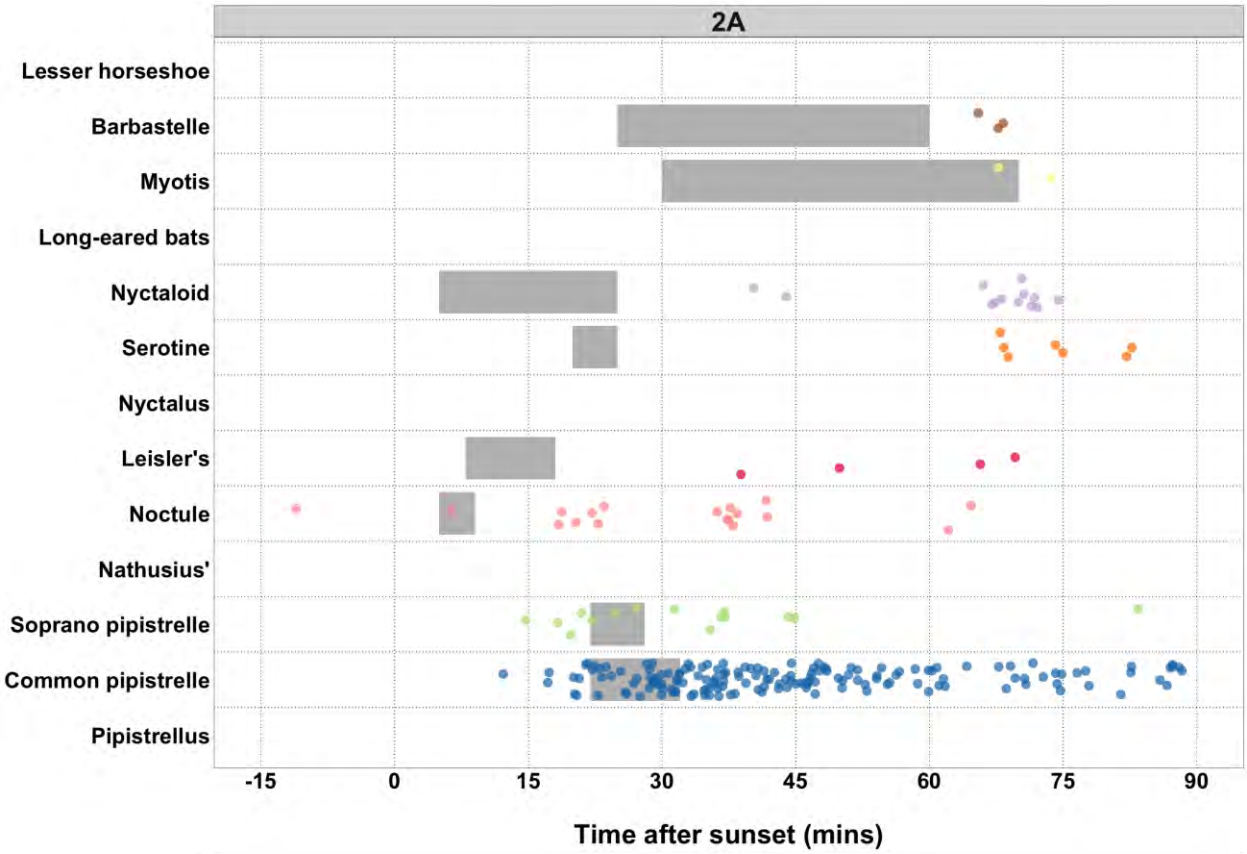
Time after sunset (mins)


2A
Lesser horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
Soprano pipistrelle
Common pipistrelle
Pipistrellus
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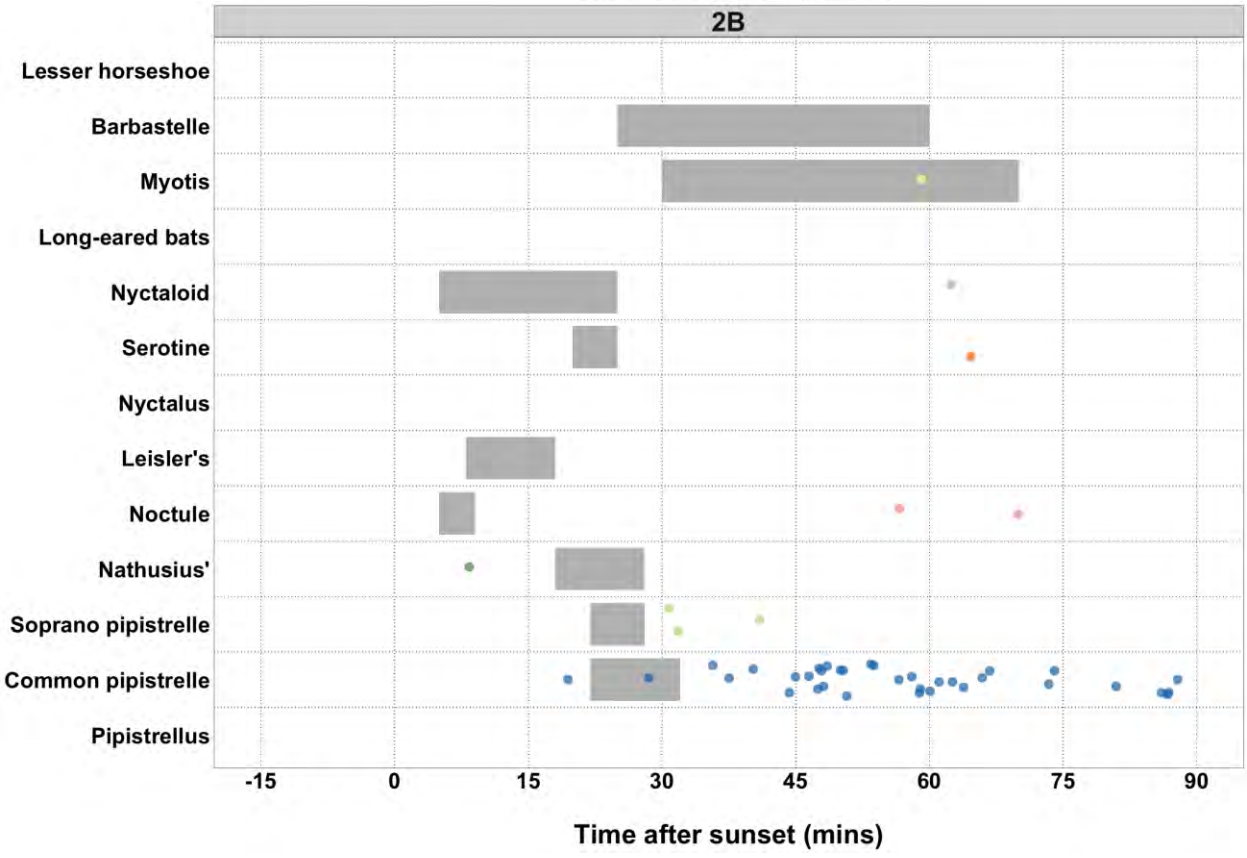
90
Time after sunset (mins)


2B
Lesser horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
Soprano pipistrelle
Common pipistrelle
Pipistrellus
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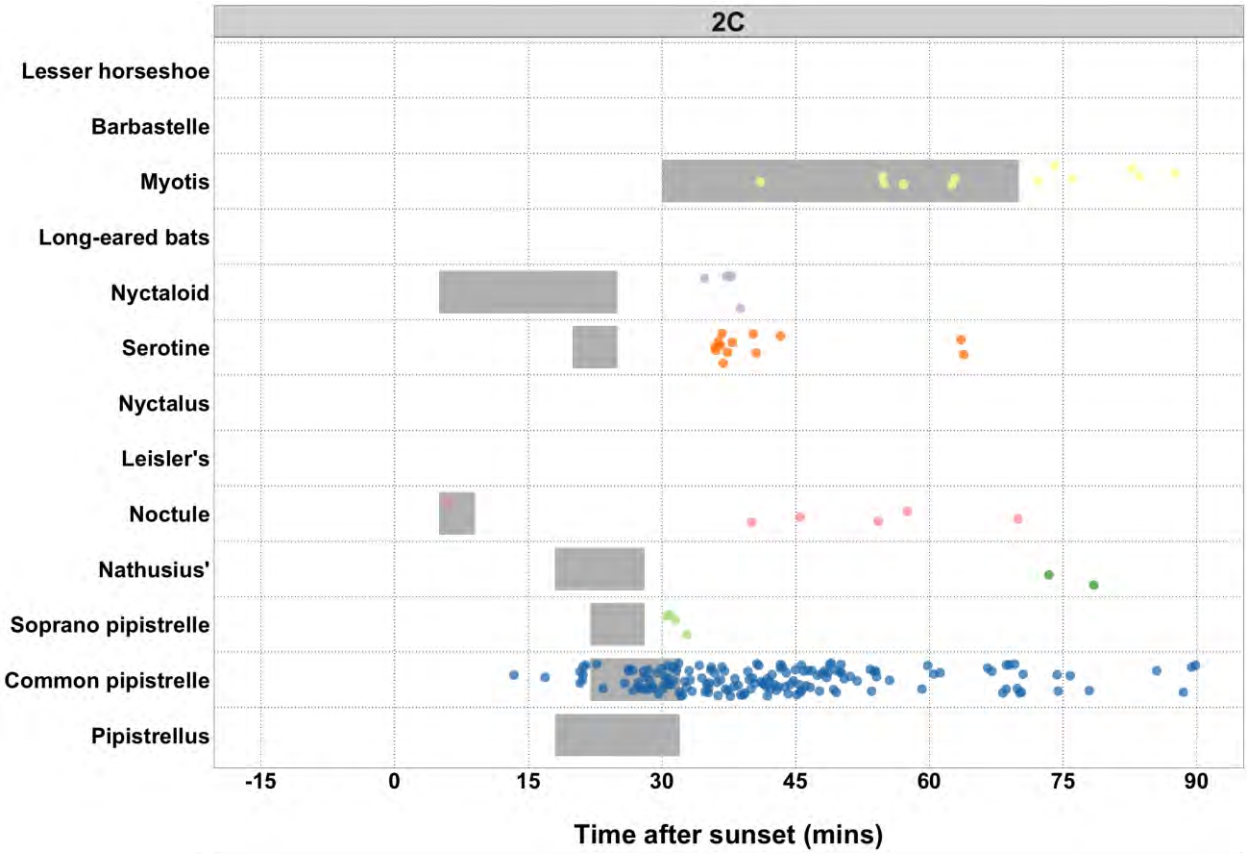
Time after sunset (mins)


2C
Lesser horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
Soprano pipistrelle
Common pipistrelle
Pipistrellus
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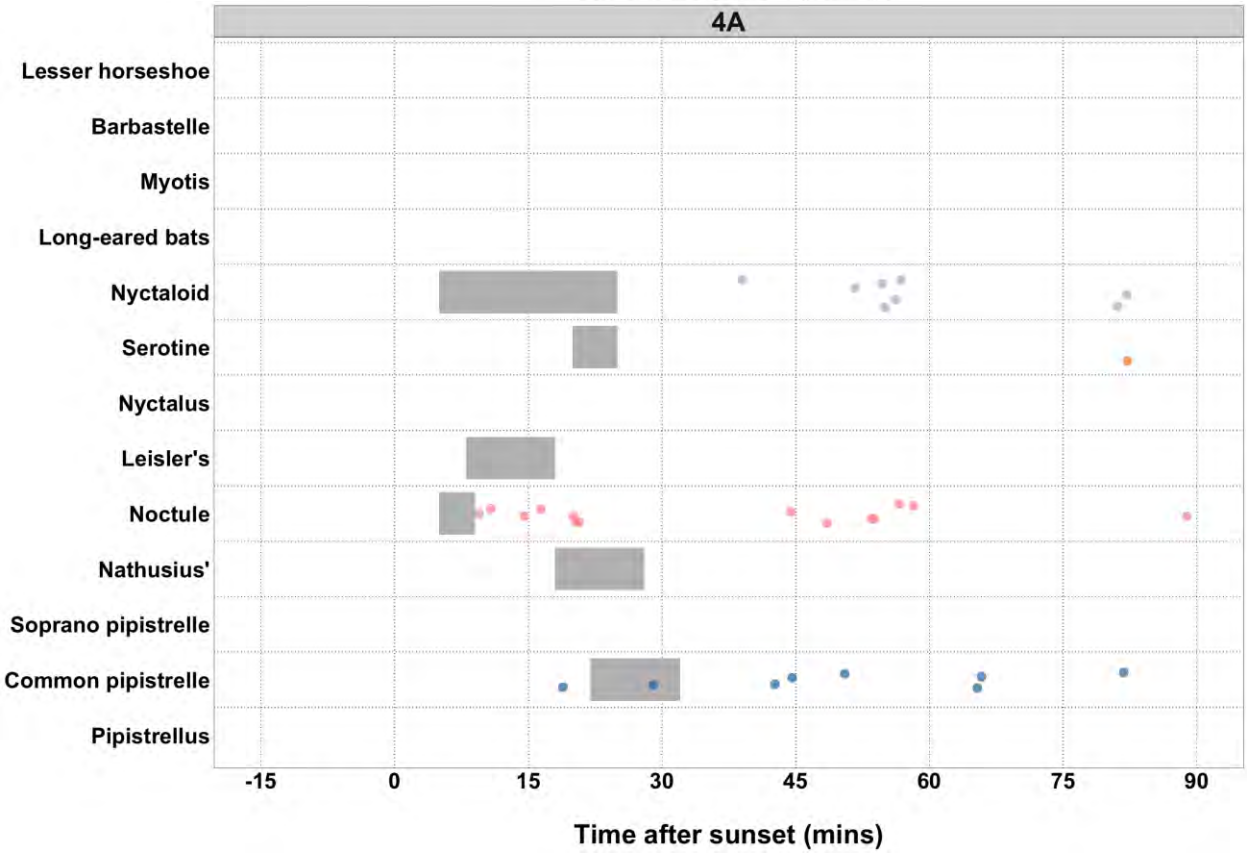
Time after sunset (mins)


4A
Lesser horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
Soprano pipistrelle
Common pipistrelle
Pipistrellus
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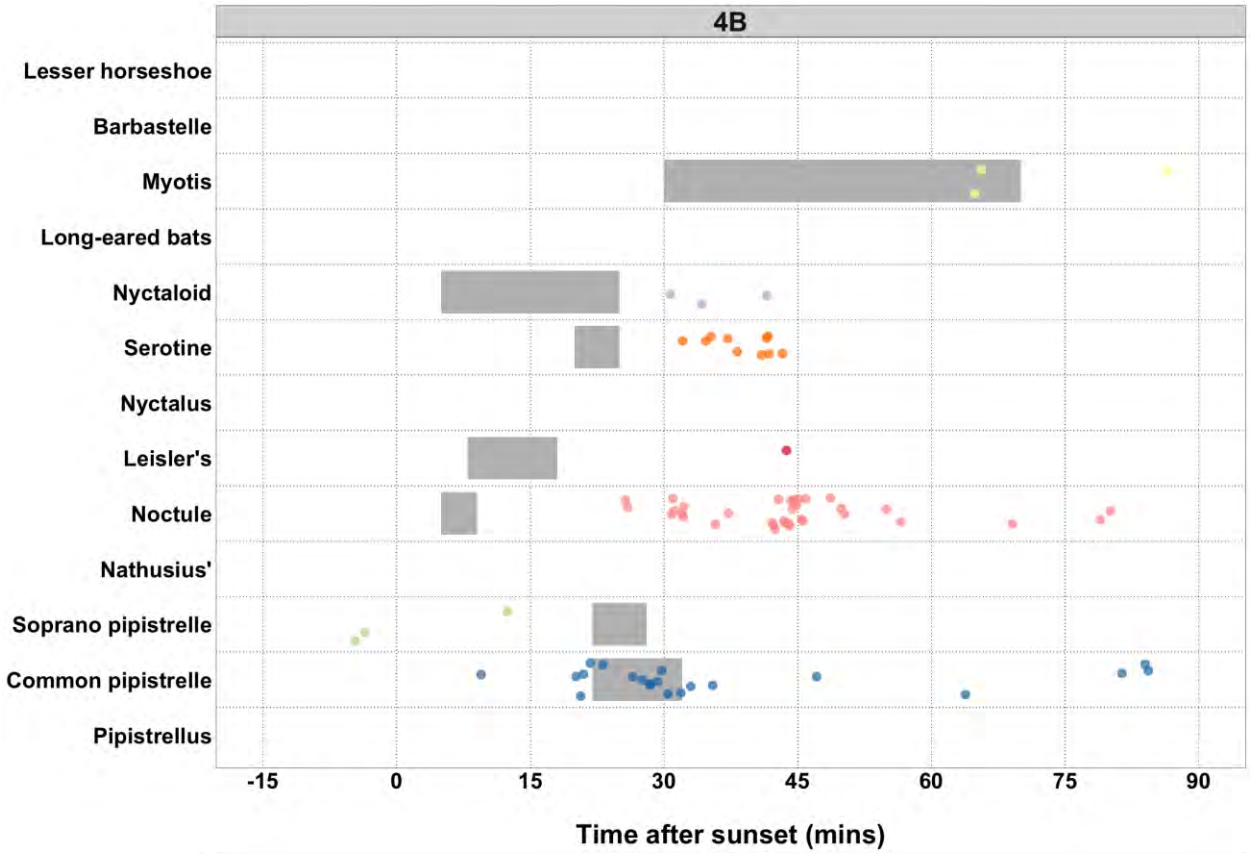
Time after sunset (mins)


4B
Lesser horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
Soprano pipistrelle
Common pipistrelle
Pipistrellus
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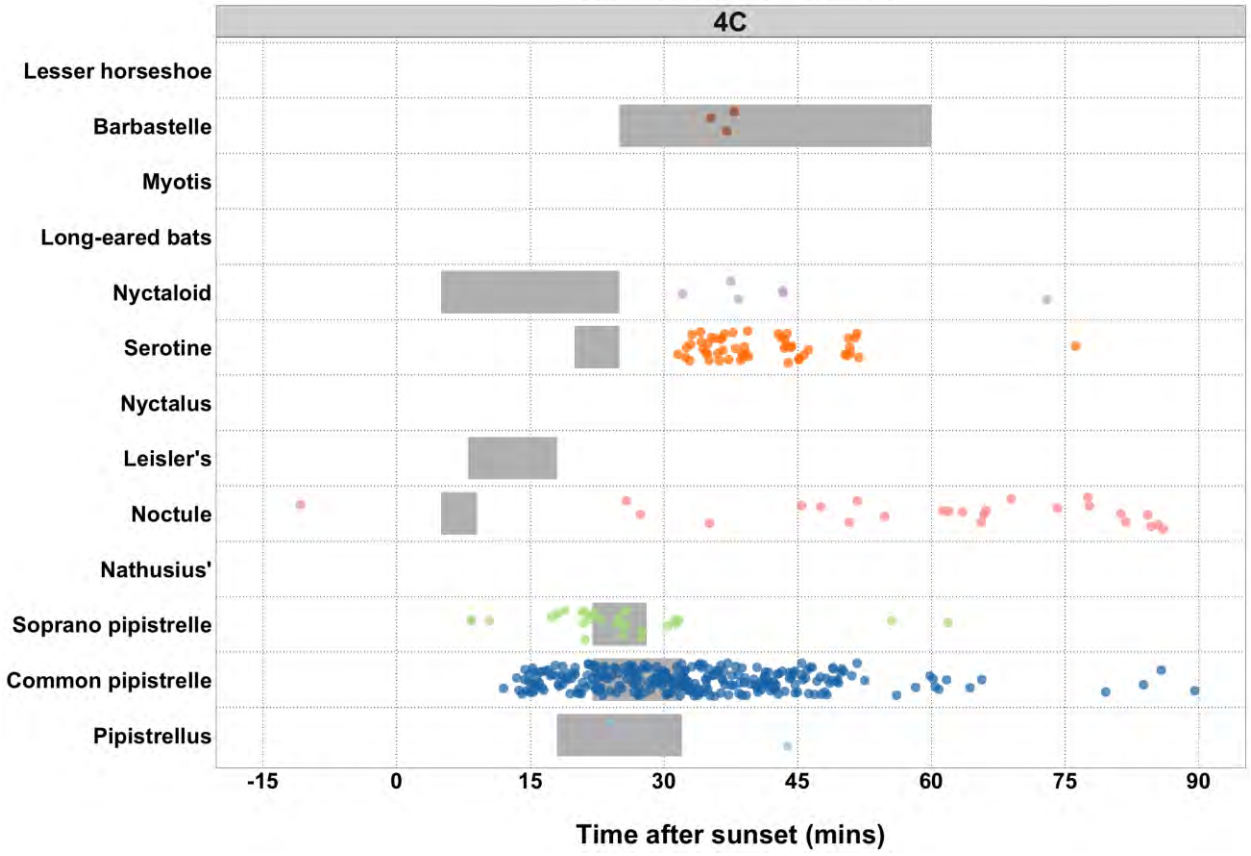
Time after sunset (mins)


4C
Lesser horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
Soprano pipistrelle
Common pipistrelle
Pipistrellus
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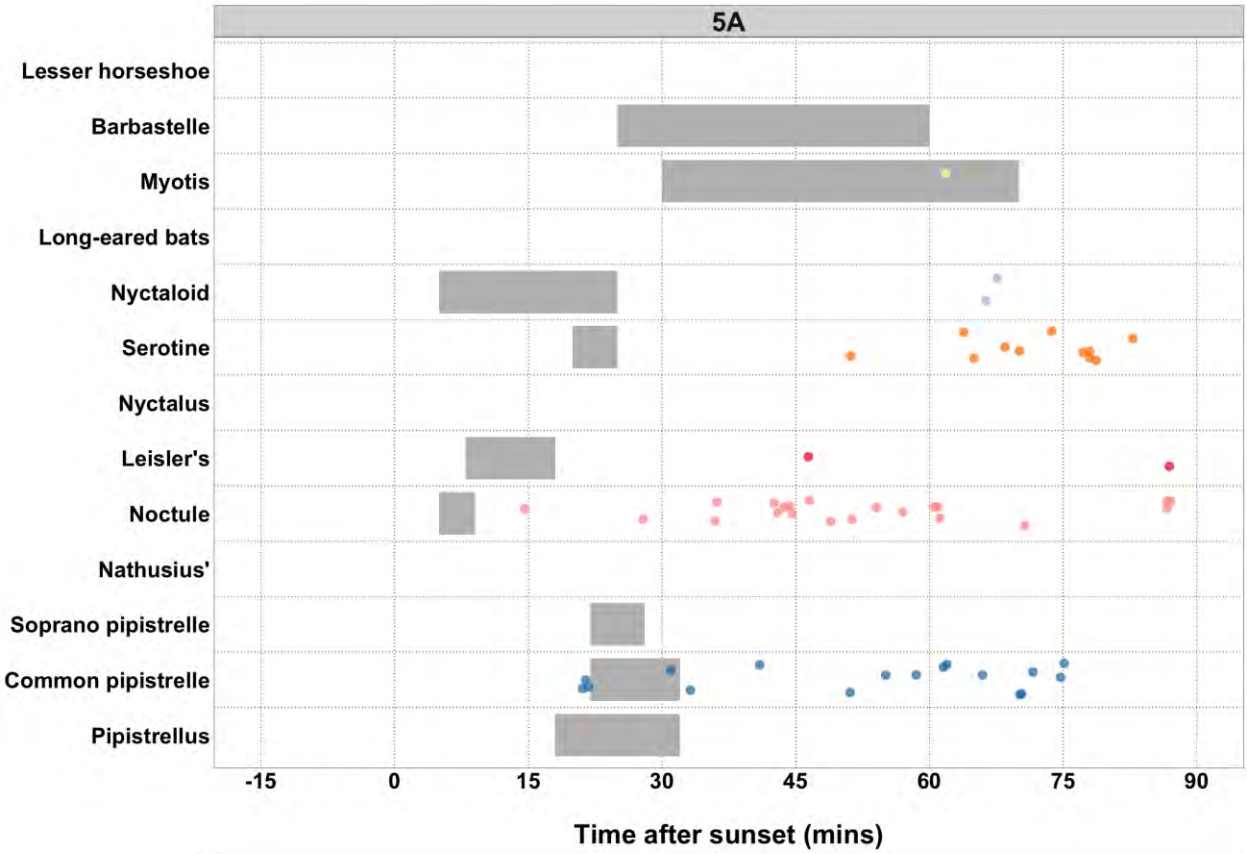
Time after sunset (mins)


5A
Lesser horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
Soprano pipistrelle
Common pipistrelle
Pipistrellus
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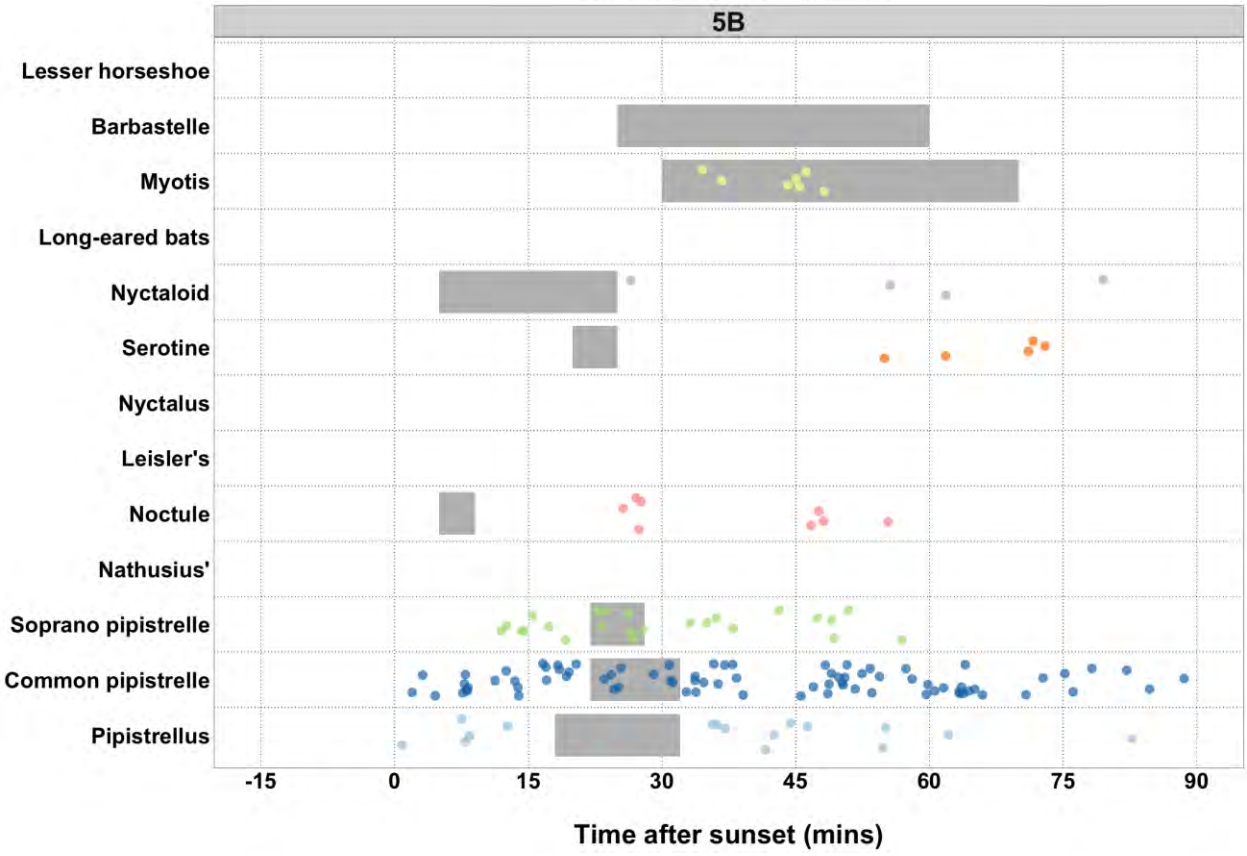
Time after sunset (mins)


5B
Lesser horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
Soprano pipistrelle
Common pipistrelle
Pipistrellus
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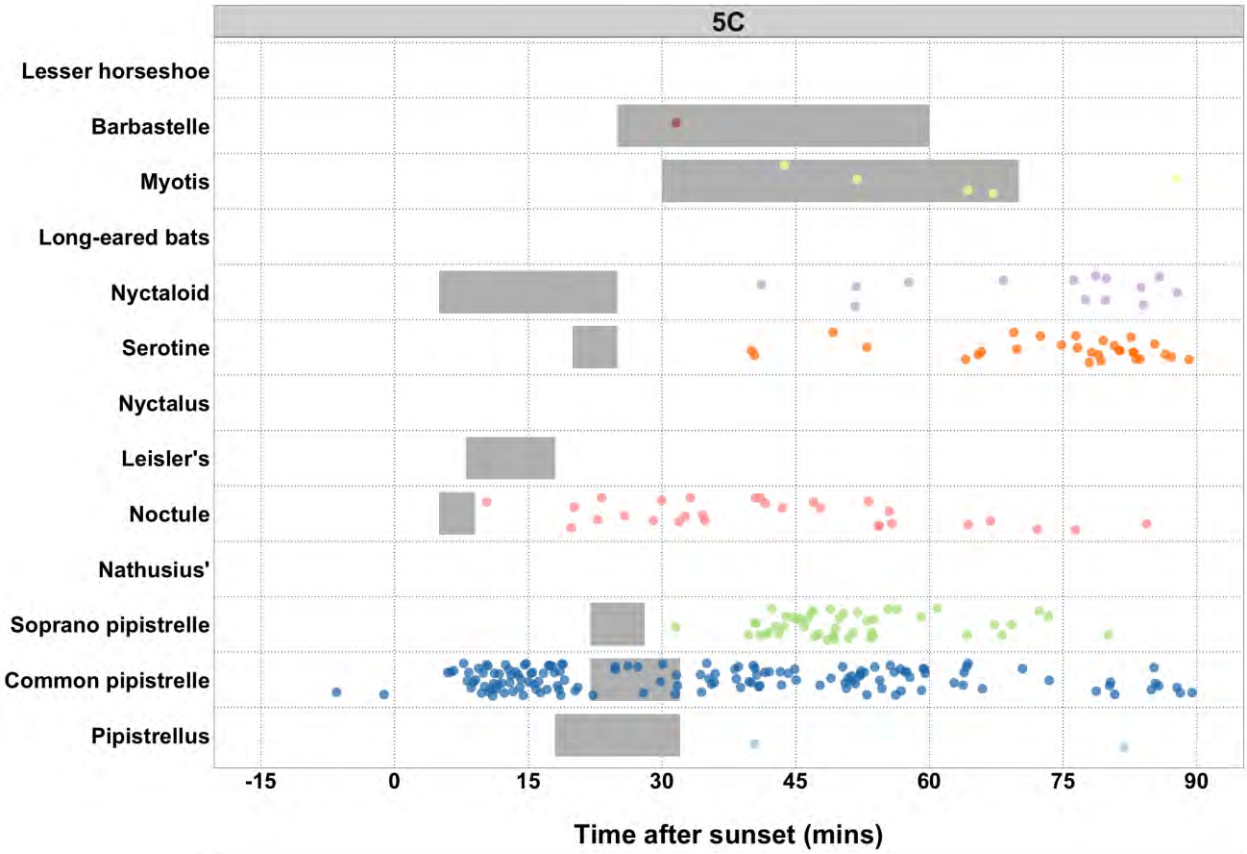
Time after sunset (mins)


5C
Lesser horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
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Common pipistrelle
Pipistrellus
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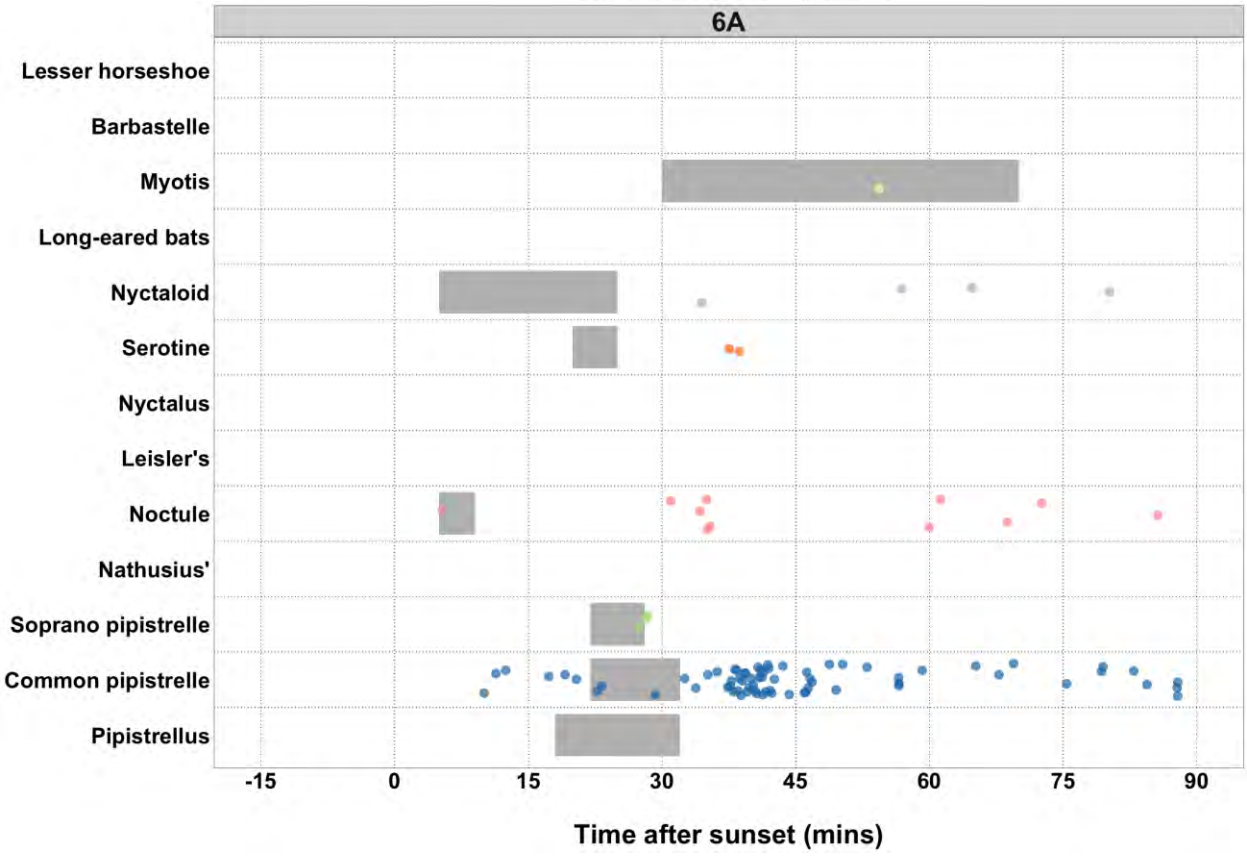
6A
Lesser horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
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Common pipistrelle
Pipistrellus
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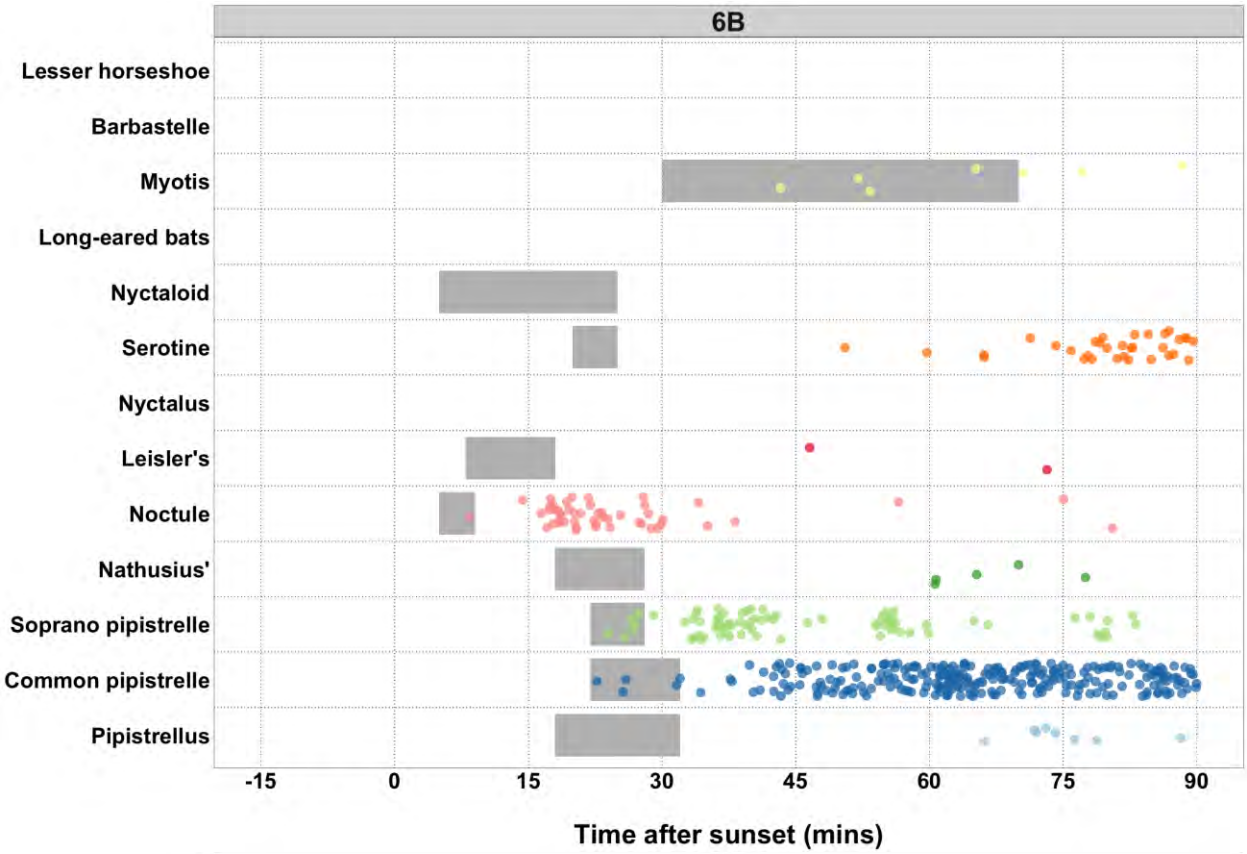
Time after sunset (mins)


6B
Lesser horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
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Soprano pipistrelle
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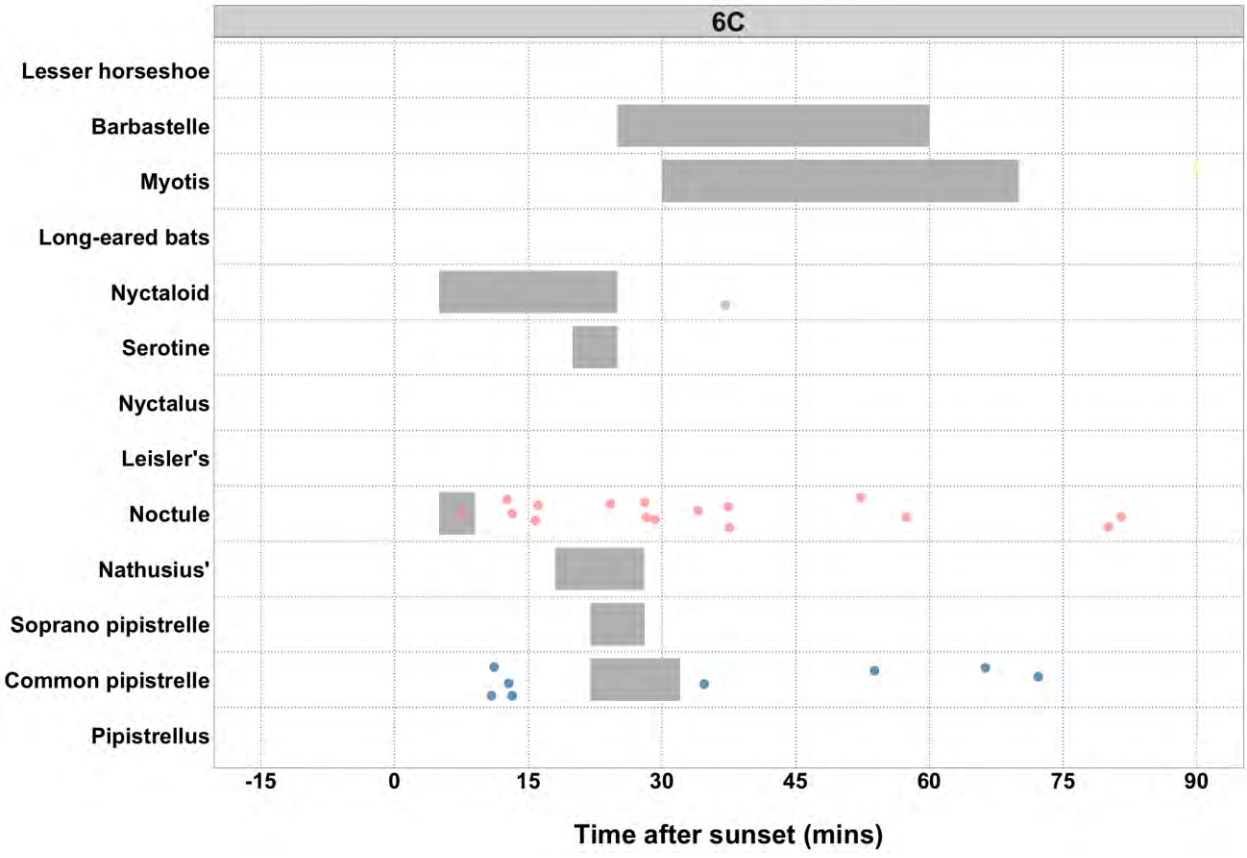
Time after sunset (mins)


6C
Lesser horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
Soprano pipistrelle
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Pipistrellus
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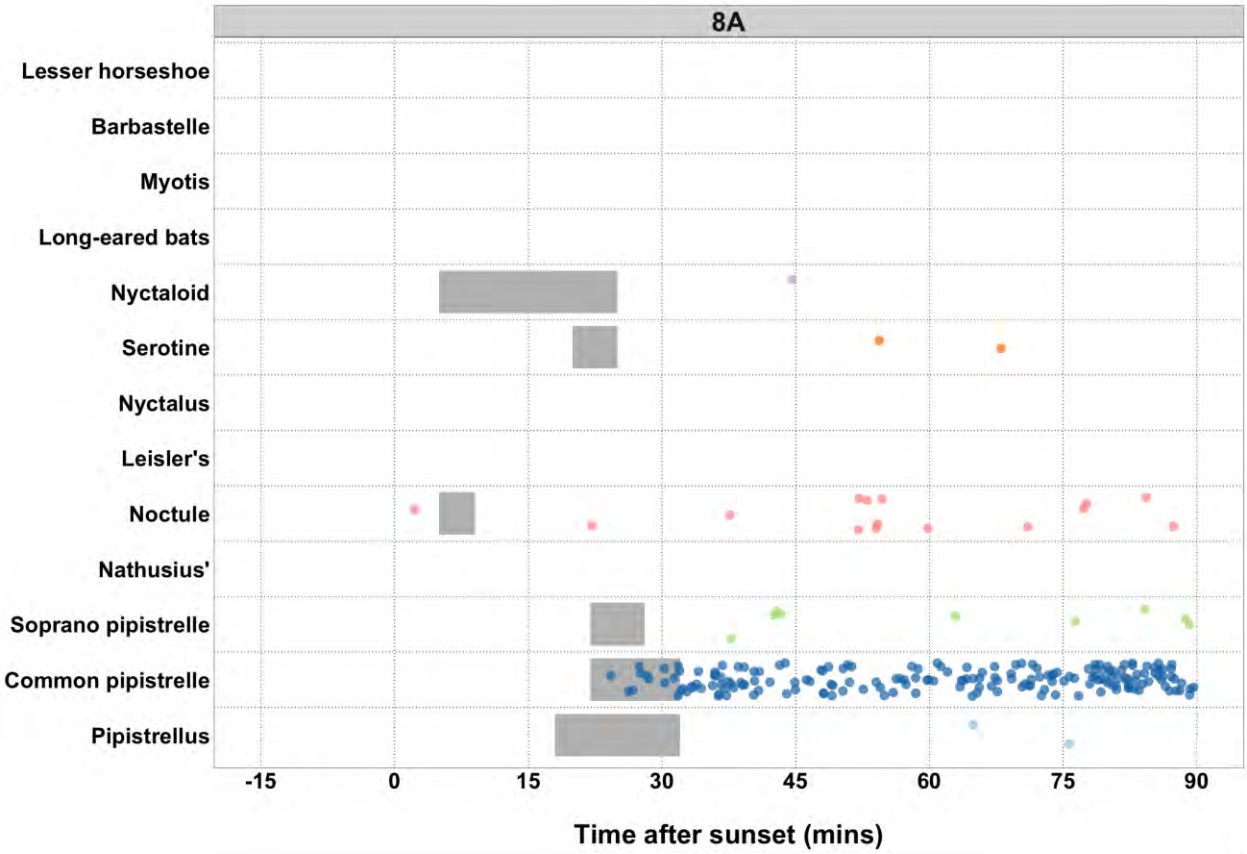
Time after sunset (mins)


8A
Lesser horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
Soprano pipistrelle
Common pipistrelle
Pipistrellus
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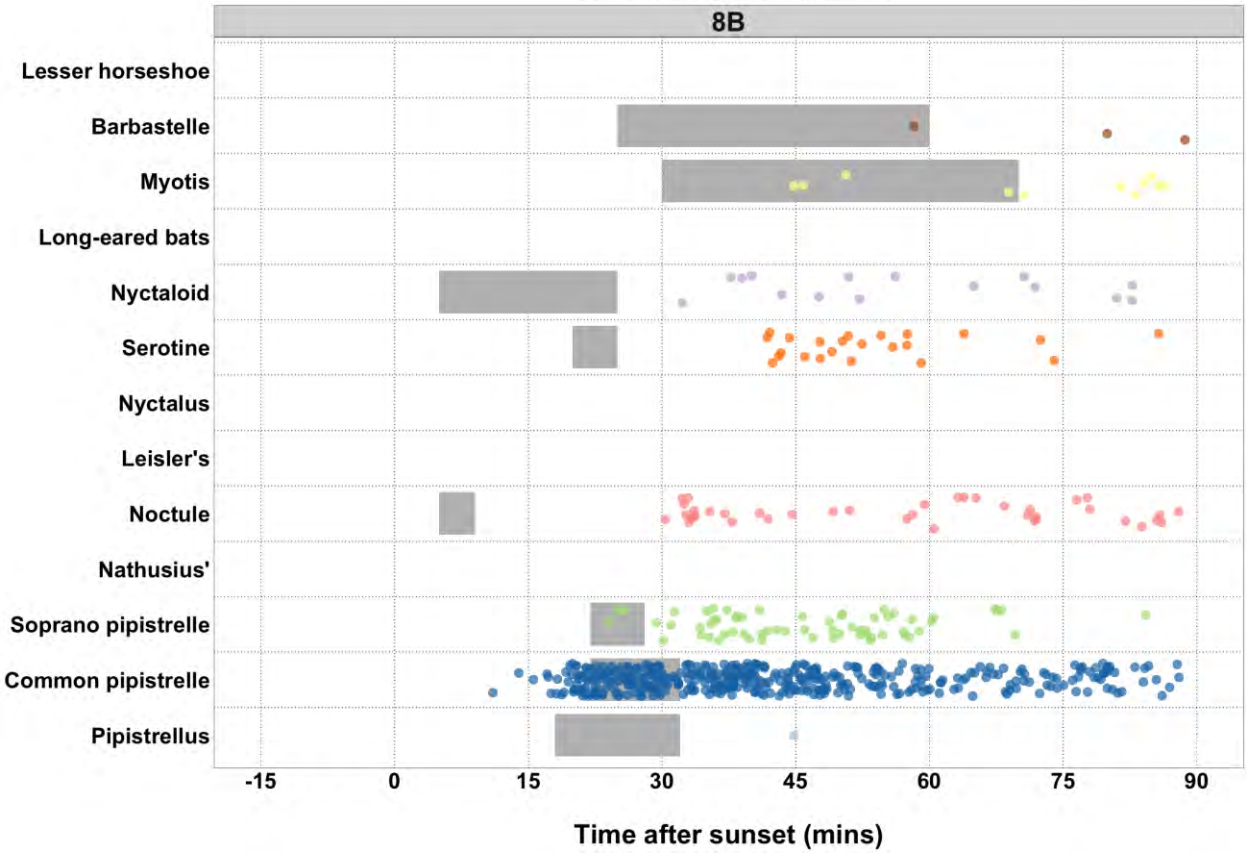
Time after sunset (mins)


8B
Lesser horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
Soprano pipistrelle
Common pipistrelle
Pipistrellus
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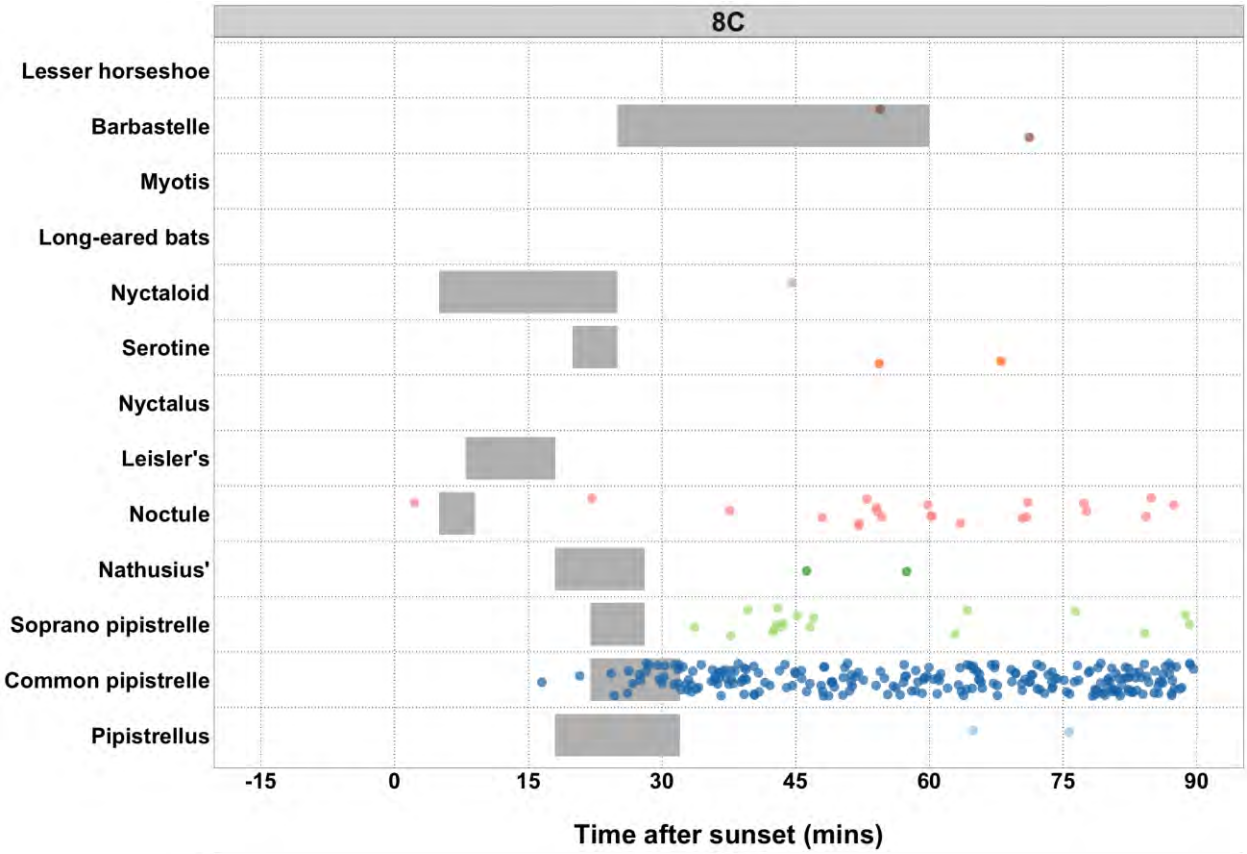
Time after sunset (mins)


8C
Lesser horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
Soprano pipistrelle
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Pipistrellus
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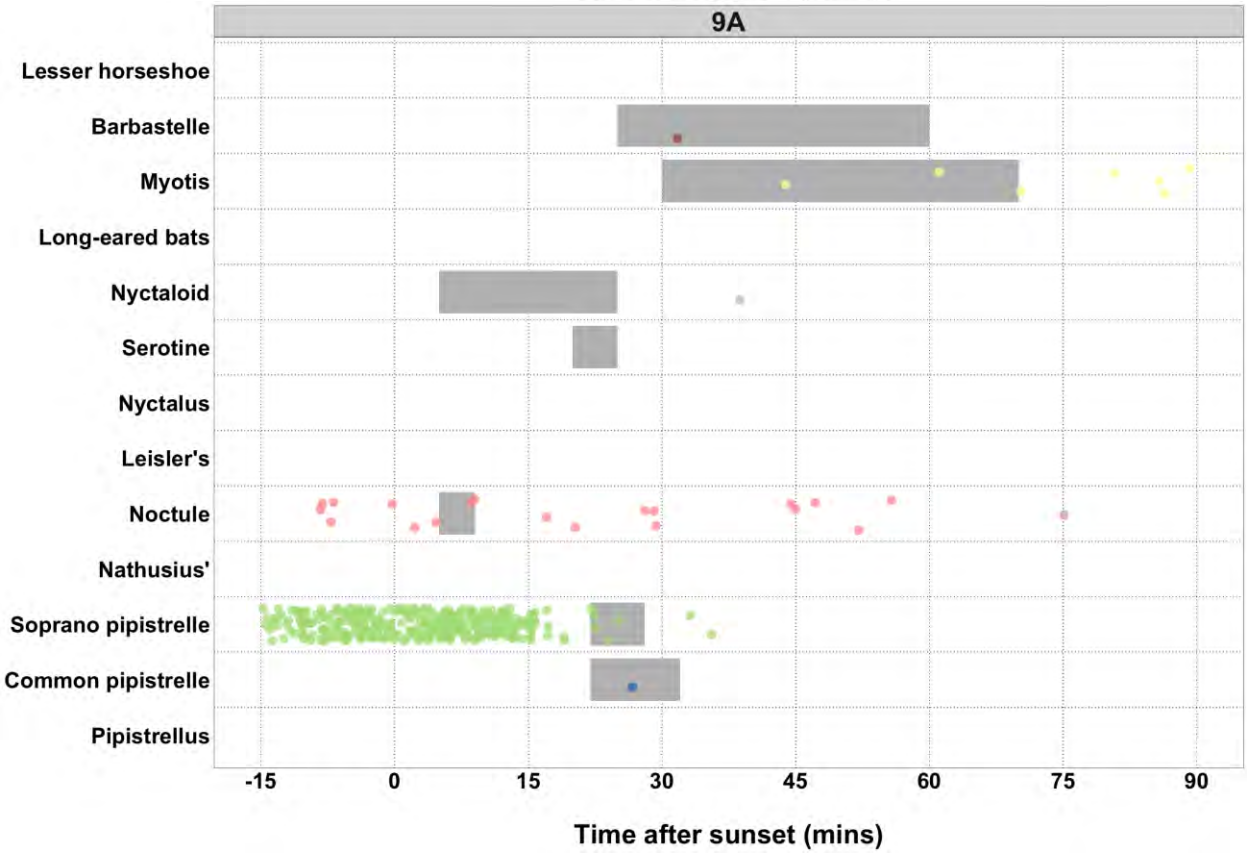
9A
Lesser horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
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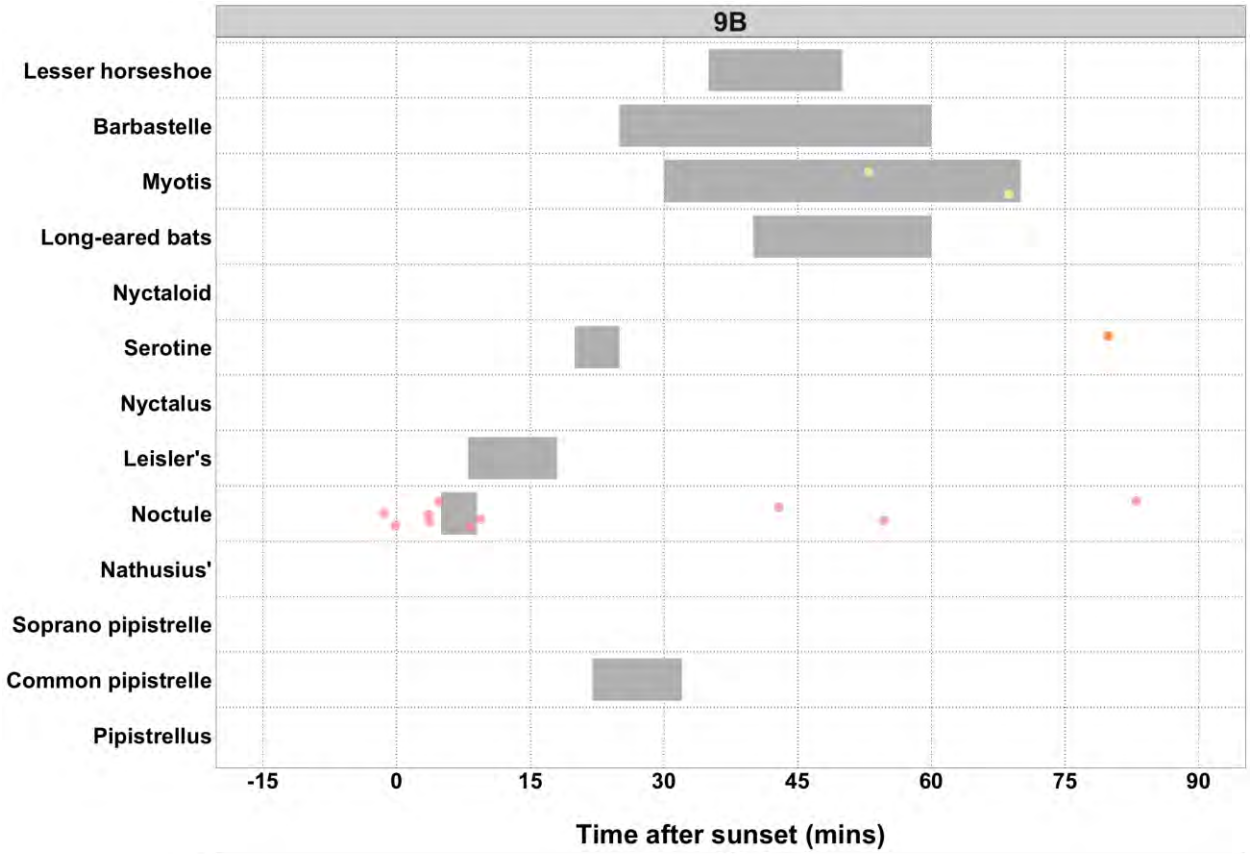
9B
Lesser horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
Soprano pipistrelle
Common pipistrelle
Pipistrellus
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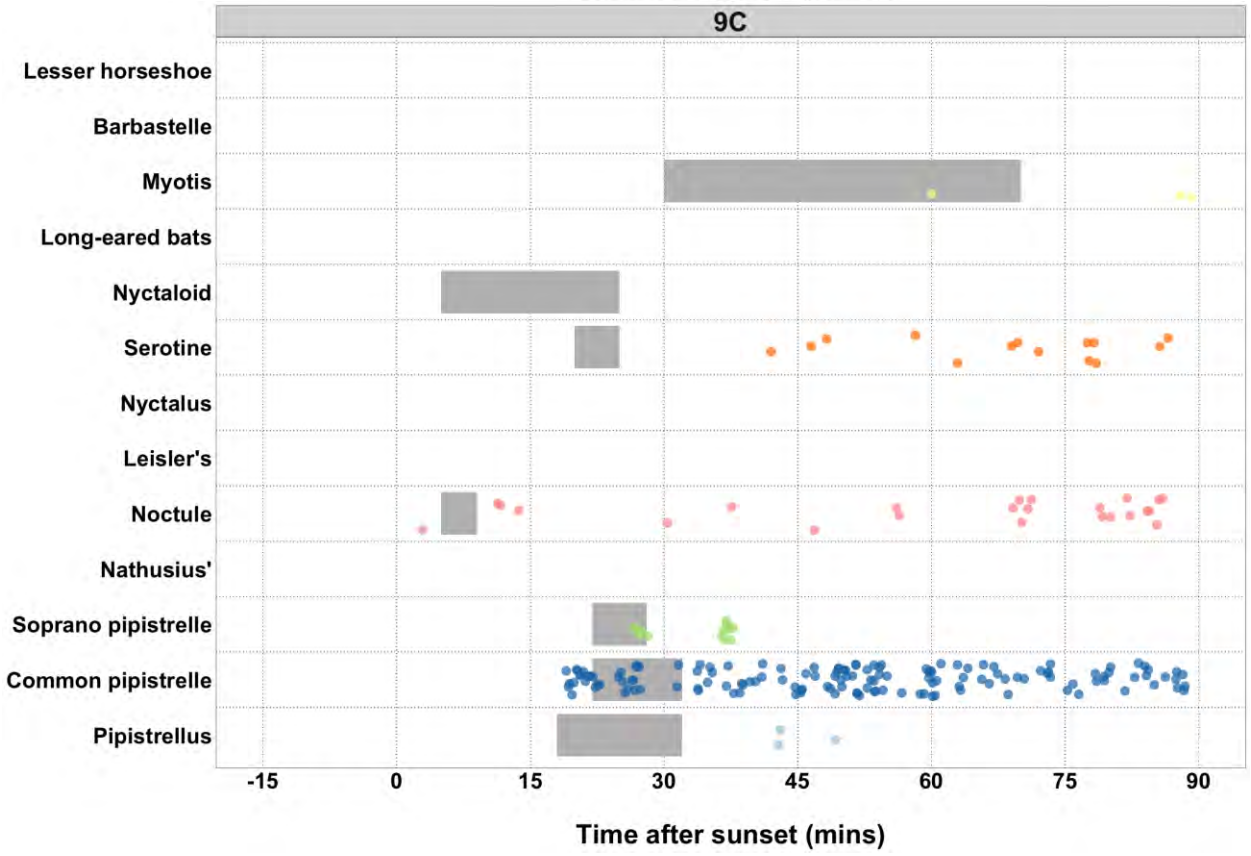
Time after sunset (mins)


9C
Lesser horseshoe
Barbastelle
Myotis
Long-eared bats
Nyctaloid
Serotine
Nyctalus
Leisler's
Noctule
Nathusius'
Soprano pipistrelle
Common pipistrelle
Pipistrellus
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75
90
Time after sunset (mins)

Counts of Bat Passes

All detectors

Table 14. The total number of passes recorded for each species across all of the detectors. The 'Total' percentage may not be exactly 100% due to rounding of the percentages per species.

Species	Passes (No.)	Percentage of total (%)
Pipistrellus	33591	22.4
Common pipistrelle	76818	51.2
Soprano pipistrelle	10429	6.9
Nathusius'	486	0.3
Noctule	6153	4.1
Leisler's	1212	0.8
Nyctalus	328	0.2
Serotine	4895	3.3
Nyctaloid	7093	4.7
Long-eared bats	51	0.0
Myotis	8117	5.4
Barbastelle	894	0.6
Greater horseshoe	10	0.0
Lesser horseshoe	82	0.1
Total	150159	100.0

Counts of Bat Passes

Per Detector

Table 15. The number of passes recorded for each species at each detector.

Species	Detector ID	Count (No)	Percentage by Detector (%)
Pipistrellus	10A	166	3.3
Pipistrellus	10B	665	30.6
Pipistrellus	10C	358	20.4
Pipistrellus	11A	2535	30.6
Pipistrellus	11B	794	9.8
Pipistrellus	11C	202	5.6
Pipistrellus	12A	2891	48.5
Pipistrellus	12B	1952	42.4
Pipistrellus	12C	801	17.7
Pipistrellus	13A	523	25.8
Pipistrellus	13B	1423	21.8
Pipistrellus	13C	918	31.0
Pipistrellus	2A	2549	30.3
Pipistrellus	2B	697	13.2
Pipistrellus	2C	1716	22.2
Pipistrellus	4A	191	7.8
Pipistrellus	4C	171	10.2
Pipistrellus	5A	4	0.4
Pipistrellus	5B	1893	25.8
Pipistrellus	5C	1293	25.4
Pipistrellus	6A	20	1.5
Pipistrellus	6B	1449	29.9
Pipistrellus	6C	3041	26.7
Pipistrellus	8A	1842	22.7
Pipistrellus	8B	2671	26.0
Pipistrellus	8C	889	13.7
Pipistrellus	9C	1937	29.0
Common pipistrelle	10A	2440	47.9
Common pipistrelle	10B	824	37.9

Common pipistrelle	10C	692	39.3
Common pipistrelle	11A	4589	55.5
Common pipistrelle	11B	4736	58.5
Common pipistrelle	11C	2757	76.2
Common pipistrelle	12A	1908	32.0
Common pipistrelle	12B	1498	32.5
Common pipistrelle	12C	3248	71.9
Common pipistrelle	13A	918	45.3
Common pipistrelle	13B	4433	67.9
Common pipistrelle	13C	1037	35.0
Common pipistrelle	2A	4562	54.2
Common pipistrelle	2B	2730	51.8
Common pipistrelle	2C	4443	57.4
Common pipistrelle	4A	713	29.0
Common pipistrelle	4B	242	17.9
Common pipistrelle	4C	745	44.4
Common pipistrelle	5A	495	44.6
Common pipistrelle	5B	3913	53.4
Common pipistrelle	5C	2795	54.8
Common pipistrelle	6A	941	70.0
Common pipistrelle	6B	1582	32.7
Common pipistrelle	6C	5623	49.4
Common pipistrelle	8A	4922	60.6
Common pipistrelle	8B	4357	42.4
Common pipistrelle	8C	4435	68.2
Common pipistrelle	9A	85	3.2
Common pipistrelle	9B	959	41.4
Common pipistrelle	9C	4196	62.8
Soprano pipistrelle	10A	260	5.1
Soprano pipistrelle	10B	155	7.1
Soprano pipistrelle	10C	98	5.6
Soprano pipistrelle	11A	4	0.0
Soprano pipistrelle	11B	986	12.2
Soprano pipistrelle	11C	77	2.1
Soprano pipistrelle	12A	194	3.3
Soprano pipistrelle	12B	88	1.9

Soprano pipistrelle	12C	24	0.5
Soprano pipistrelle	13A	3	0.1
Soprano pipistrelle	2A	176	2.1
Soprano pipistrelle	2B	137	2.6
Soprano pipistrelle	2C	558	7.2
Soprano pipistrelle	4A	681	27.7
Soprano pipistrelle	4B	46	3.4
Soprano pipistrelle	4C	157	9.4
Soprano pipistrelle	5A	38	3.4
Soprano pipistrelle	5B	559	7.6
Soprano pipistrelle	5C	172	3.4
Soprano pipistrelle	6A	40	3.0
Soprano pipistrelle	6B	469	9.7
Soprano pipistrelle	6C	176	1.5
Soprano pipistrelle	8A	506	6.2
Soprano pipistrelle	8B	1639	15.9
Soprano pipistrelle	8C	424	6.5
Soprano pipistrelle	9A	1797	68.6
Soprano pipistrelle	9B	796	34.4
Soprano pipistrelle	9C	169	2.5
Nathusius’	10A	20	0.4
Nathusius’	10B	2	0.1
Nathusius’	10C	2	0.1
Nathusius’	11A	14	0.2
Nathusius’	11B	1	0.0
Nathusius’	11C	15	0.4
Nathusius’	12B	1	0.0
Nathusius’	12C	40	0.9
Nathusius’	13A	11	0.5
Nathusius’	13B	31	0.5
Nathusius’	13C	13	0.4
Nathusius’	2A	167	2.0
Nathusius’	2B	4	0.1
Nathusius’	2C	22	0.3
Nathusius’	4A	86	3.5
Nathusius’	5A	4	0.4

Nathusius’	5B	1	0.0
Nathusius’	5C	10	0.2
Nathusius’	6A	1	0.1
Nathusius’	6B	6	0.1
Nathusius’	6C	1	0.0
Nathusius’	8A	7	0.1
Nathusius’	8B	2	0.0
Nathusius’	8C	25	0.4
Noctule	10A	297	5.8
Noctule	10B	86	4.0
Noctule	10C	188	10.7
Noctule	11A	125	1.5
Noctule	11B	76	0.9
Noctule	11C	126	3.5
Noctule	12A	355	6.0
Noctule	12B	205	4.5
Noctule	12C	200	4.4
Noctule	13A	369	18.2
Noctule	13B	427	6.5
Noctule	13C	496	16.8
Noctule	2A	364	4.3
Noctule	2B	327	6.2
Noctule	2C	284	3.7
Noctule	4A	159	6.5
Noctule	4B	135	10.0
Noctule	4C	107	6.4
Noctule	5A	120	10.8
Noctule	5B	194	2.6
Noctule	5C	119	2.3
Noctule	6A	53	3.9
Noctule	6B	116	2.4
Noctule	6C	105	0.9
Noctule	8A	252	3.1
Noctule	8B	267	2.6
Noctule	8C	231	3.6
Noctule	9A	187	7.1

Noctule	9B	107	4.6
Noctule	9C	76	1.1
Leisler’s	10A	15	0.3
Leisler’s	10B	12	0.6
Leisler’s	10C	1	0.1
Leisler’s	11A	1	0.0
Leisler’s	11B	4	0.0
Leisler’s	11C	5	0.1
Leisler’s	12A	6	0.1
Leisler’s	12B	70	1.5
Leisler’s	12C	14	0.3
Leisler’s	13A	87	4.3
Leisler’s	13B	88	1.3
Leisler’s	13C	76	2.6
Leisler’s	2A	25	0.3
Leisler’s	2B	340	6.5
Leisler’s	2C	21	0.3
Leisler’s	4A	9	0.4
Leisler’s	4B	8	0.6
Leisler’s	4C	5	0.3
Leisler’s	5A	7	0.6
Leisler’s	5B	8	0.1
Leisler’s	5C	8	0.2
Leisler’s	6A	4	0.3
Leisler’s	6B	14	0.3
Leisler’s	6C	318	2.8
Leisler’s	8A	12	0.1
Leisler’s	8B	22	0.2
Leisler’s	8C	22	0.3
Leisler’s	9A	1	0.0
Leisler’s	9B	9	0.4
Nyctalus	12B	70	1.5
Nyctalus	13A	30	1.5
Nyctalus	13C	228	7.7
Serotine	10A	164	3.2
Serotine	10B	133	6.1

Serotine	10C	79	4.5
Serotine	11A	132	1.6
Serotine	11B	286	3.5
Serotine	11C	187	5.2
Serotine	12A	107	1.8
Serotine	12B	155	3.4
Serotine	12C	36	0.8
Serotine	13A	28	1.4
Serotine	13B	54	0.8
Serotine	13C	53	1.8
Serotine	2A	34	0.4
Serotine	2B	764	14.5
Serotine	2C	168	2.2
Serotine	4A	224	9.1
Serotine	4B	207	15.3
Serotine	4C	123	7.3
Serotine	5A	99	8.9
Serotine	5B	182	2.5
Serotine	5C	151	3.0
Serotine	6A	31	2.3
Serotine	6B	424	8.8
Serotine	6C	373	3.3
Serotine	8A	165	2.0
Serotine	8B	176	1.7
Serotine	8C	143	2.2
Serotine	9A	109	4.2
Serotine	9B	54	2.3
Serotine	9C	54	0.8
Nyctaloid	10A	386	7.6
Nyctaloid	10B	153	7.0
Nyctaloid	10C	210	11.9
Nyctaloid	11A	161	1.9
Nyctaloid	11B	404	5.0
Nyctaloid	11C	214	5.9
Nyctaloid	12A	149	2.5
Nyctaloid	12B	114	2.5

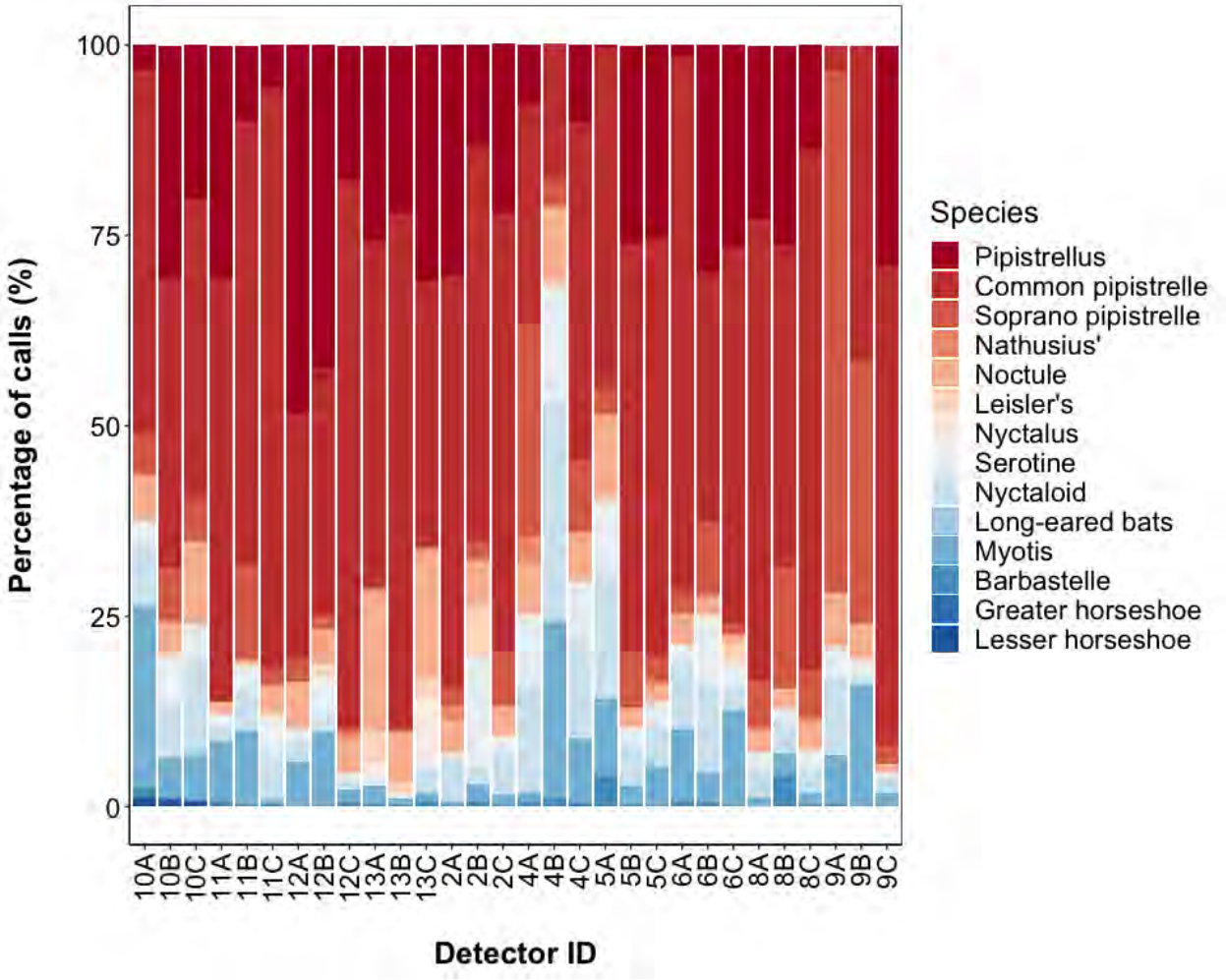
Nyctaloid	12C	55	1.2
Nyctaloid	13C	89	3.0
Nyctaloid	2A	484	5.7
Nyctaloid	2B	108	2.1
Nyctaloid	2C	413	5.3
Nyctaloid	4A	345	14.1
Nyctaloid	4B	388	28.7
Nyctaloid	4C	222	13.2
Nyctaloid	5A	188	16.9
Nyctaloid	5B	372	5.1
Nyctaloid	5C	275	5.4
Nyctaloid	6A	117	8.7
Nyctaloid	6B	569	11.7
Nyctaloid	6C	315	2.8
Nyctaloid	8A	299	3.7
Nyctaloid	8B	432	4.2
Nyctaloid	8C	224	3.4
Nyctaloid	9A	261	10.0
Nyctaloid	9B	19	0.8
Nyctaloid	9C	127	1.9
Long-eared bats	10A	19	0.4
Long-eared bats	10B	5	0.2
Long-eared bats	10C	18	1.0
Long-eared bats	11C	7	0.2
Long-eared bats	12C	1	0.0
Long-eared bats	9B	1	0.0
Myotis	10A	1210	23.7
Myotis	10B	108	5.0
Myotis	10C	98	5.6
Myotis	11A	654	7.9
Myotis	11B	789	9.8
Myotis	11C	22	0.6
Myotis	12A	349	5.9
Myotis	12B	447	9.7
Myotis	12C	79	1.7
Myotis	13A	52	2.6

Myotis	13B	46	0.7
Myotis	13C	29	1.0
Myotis	2A	53	0.6
Myotis	2B	115	2.2
Myotis	2C	113	1.5
Myotis	4A	28	1.1
Myotis	4B	315	23.3
Myotis	4C	141	8.4
Myotis	5A	111	10.0
Myotis	5B	179	2.4
Myotis	5C	267	5.2
Myotis	6A	126	9.4
Myotis	6B	188	3.9
Myotis	6C	1435	12.6
Myotis	8A	107	1.3
Myotis	8B	293	2.8
Myotis	8C	100	1.5
Myotis	9A	174	6.6
Myotis	9B	370	16.0
Myotis	9C	119	1.8
Barbastelle	10A	65	1.3
Barbastelle	10B	9	0.4
Barbastelle	10C	3	0.2
Barbastelle	11A	56	0.7
Barbastelle	11B	13	0.2
Barbastelle	11C	8	0.2
Barbastelle	12A	2	0.0
Barbastelle	12B	3	0.1
Barbastelle	12C	22	0.5
Barbastelle	13A	4	0.2
Barbastelle	13B	22	0.3
Barbastelle	13C	20	0.7
Barbastelle	2A	7	0.1
Barbastelle	2B	44	0.8
Barbastelle	2C	8	0.1
Barbastelle	4A	19	0.8

Barbastelle	4B	13	1.0
Barbastelle	4C	7	0.4
Barbastelle	5A	45	4.1
Barbastelle	5B	25	0.3
Barbastelle	5C	7	0.1
Barbastelle	6A	11	0.8
Barbastelle	6B	26	0.5
Barbastelle	6C	7	0.1
Barbastelle	8A	3	0.0
Barbastelle	8B	426	4.1
Barbastelle	8C	10	0.2
Barbastelle	9A	6	0.2
Barbastelle	9B	1	0.0
Barbastelle	9C	2	0.0
Greater horseshoe	10A	7	0.1
Greater horseshoe	10B	1	0.0
Greater horseshoe	10C	2	0.1
Lesser horseshoe	10A	49	1.0
Lesser horseshoe	10B	19	0.9
Lesser horseshoe	10C	10	0.6
Lesser horseshoe	4C	1	0.1
Lesser horseshoe	8A	2	0.0
Lesser horseshoe	9B	1	0.0

Species Composition

Figure 10. Percentage species composition of passes at each detector.



PART 2a: Presence Only

THE NEXT SECTION OF THE REPORT FEATURES THE RAW DATA SUPPLIED TO ECOBAT AND ONLY TAKES INTO ACCOUNT THE PRESENCE, AND NOT THE ABSENCE, OF EACH BAT SPECIES. FOR EACH NIGHT, THERE IS NO 'ZERO DATA' FOR WHEN SPECIES WERE NOT DETECTED.

Nightly Bat Pass Rate (Bat passes per hour)

Median Per Detector

Table 16. The median Nightly Pass Rate (bat passes per hour, per night) of each species. If NA, then no bat passes.

Bat pass rates are often highly variable between nights, with some nights having few or no passes and other nights having high activity. In these circumstances, the median is likely to be a more useful summary of the 'average' activity than is the mean. For further information see: *Lintott, P. R., & Mathews, F. (2018). Basic mathematical errors may make ecological assessments unreliable. Biodiversity and Conservation, 27(1), 265-267.* https://doi.org/10.1007/s10531-017-1418-5

Species	Detector ID	Median Pass Rate
Pipistrellus	10A	7.2
Pipistrellus	10B	2.9
Pipistrellus	10C	4.7
Pipistrellus	11A	10.2
Pipistrellus	11B	50.0
Pipistrellus	11C	6.2
Pipistrellus	12A	9.2
Pipistrellus	12B	18.3
Pipistrellus	12C	5.7
Pipistrellus	13A	5.1
Pipistrellus	13B	9.6
Pipistrellus	13C	7.6
Pipistrellus	2A	32.4
Pipistrellus	2B	10.1
Pipistrellus	2C	21.8
Pipistrellus	4A	7.0
Pipistrellus	4C	11.1
Pipistrellus	5A	0.5
Pipistrellus	5B	6.3
Pipistrellus	5C	3.4
Pipistrellus	6A	2.6
Pipistrellus	6B	16.8
Pipistrellus	6C	16.2

Pipistrellus	8A	20.5
Pipistrellus	8B	18.4
Pipistrellus	8C	19.3
Pipistrellus	9C	6.0
Common pipistrelle	10A	2.3
Common pipistrelle	10B	1.1
Common pipistrelle	10C	1.5
Common pipistrelle	11A	7.8
Common pipistrelle	11B	11.9
Common pipistrelle	11C	6.3
Common pipistrelle	12A	2.7
Common pipistrelle	12B	3.0
Common pipistrelle	12C	4.7
Common pipistrelle	13A	1.9
Common pipistrelle	13B	7.3
Common pipistrelle	13C	1.4
Common pipistrelle	2A	8.0
Common pipistrelle	2B	1.5
Common pipistrelle	2C	12.8
Common pipistrelle	4A	1.1
Common pipistrelle	4B	0.6
Common pipistrelle	4C	4.5
Common pipistrelle	5A	1.2
Common pipistrelle	5B	1.6
Common pipistrelle	5C	2.4
Common pipistrelle	6A	3.5
Common pipistrelle	6B	5.0
Common pipistrelle	6C	6.9
Common pipistrelle	8A	9.4
Common pipistrelle	8B	13.1
Common pipistrelle	8C	9.2
Common pipistrelle	9A	0.1
Common pipistrelle	9B	1.8
Common pipistrelle	9C	4.3
Soprano pipistrelle	10A	0.8
Soprano pipistrelle	10B	0.4

Soprano pipistrelle	10C	0.5
Soprano pipistrelle	11A	0.3
Soprano pipistrelle	11B	7.9
Soprano pipistrelle	11C	0.6
Soprano pipistrelle	12A	6.3
Soprano pipistrelle	12B	2.7
Soprano pipistrelle	12C	1.0
Soprano pipistrelle	13A	0.2
Soprano pipistrelle	2A	0.8
Soprano pipistrelle	2B	0.4
Soprano pipistrelle	2C	0.8
Soprano pipistrelle	4A	2.0
Soprano pipistrelle	4B	0.5
Soprano pipistrelle	4C	0.3
Soprano pipistrelle	5A	0.4
Soprano pipistrelle	5B	1.0
Soprano pipistrelle	5C	0.5
Soprano pipistrelle	6A	0.2
Soprano pipistrelle	6B	0.4
Soprano pipistrelle	6C	1.1
Soprano pipistrelle	8A	1.8
Soprano pipistrelle	8B	4.1
Soprano pipistrelle	8C	1.3
Soprano pipistrelle	9A	3.3
Soprano pipistrelle	9B	0.3
Soprano pipistrelle	9C	2.0
Nathusius’	10A	0.5
Nathusius’	10B	0.1
Nathusius’	10C	0.2
Nathusius’	11A	0.1
Nathusius’	11B	0.1
Nathusius’	11C	0.2
Nathusius’	12B	0.1
Nathusius’	12C	0.4
Nathusius’	13A	0.1
Nathusius’	13B	0.2

Nathusius’	13C	0.2
Nathusius’	2A	2.8
Nathusius’	2B	0.1
Nathusius’	2C	0.2
Nathusius’	4A	0.5
Nathusius’	5A	0.1
Nathusius’	5B	0.1
Nathusius’	5C	0.1
Nathusius’	6A	0.1
Nathusius’	6B	0.4
Nathusius’	6C	0.1
Nathusius’	8A	0.1
Nathusius’	8B	0.2
Nathusius’	8C	0.2
Noctule	10A	1.0
Noctule	10B	0.3
Noctule	10C	0.6
Noctule	11A	0.4
Noctule	11B	0.5
Noctule	11C	0.4
Noctule	12A	0.4
Noctule	12B	0.5
Noctule	12C	0.5
Noctule	13A	1.1
Noctule	13B	0.7
Noctule	13C	1.2
Noctule	2A	1.2
Noctule	2B	1.0
Noctule	2C	0.8
Noctule	4A	0.4
Noctule	4B	0.3
Noctule	4C	0.4
Noctule	5A	0.3
Noctule	5B	0.4
Noctule	5C	0.3
Noctule	6A	0.2

Noctule	6B	0.3
Noctule	6C	0.3
Noctule	8A	0.4
Noctule	8B	0.8
Noctule	8C	0.5
Noctule	9A	0.4
Noctule	9B	0.4
Noctule	9C	0.2
Leisler’s	10A	0.2
Leisler’s	10B	0.1
Leisler’s	10C	0.1
Leisler’s	11A	0.1
Leisler’s	11B	0.1
Leisler’s	11C	0.3
Leisler’s	12A	0.2
Leisler’s	12B	0.4
Leisler’s	12C	0.1
Leisler’s	13A	0.4
Leisler’s	13B	0.3
Leisler’s	13C	0.5
Leisler’s	2A	0.2
Leisler’s	2B	0.1
Leisler’s	2C	0.1
Leisler’s	4A	0.1
Leisler’s	4B	0.1
Leisler’s	4C	0.3
Leisler’s	5A	0.1
Leisler’s	5B	0.1
Leisler’s	5C	0.2
Leisler’s	6A	0.2
Leisler’s	6B	0.1
Leisler’s	6C	3.5
Leisler’s	8A	0.1
Leisler’s	8B	0.2
Leisler’s	8C	0.2
Leisler’s	9A	0.1

Leisler's	9B	0.2
Nyctalus	12B	0.7
Nyctalus	13A	0.3
Nyctalus	13C	4.1
Serotine	10A	0.5
Serotine	10B	0.4
Serotine	10C	0.3
Serotine	11A	0.3
Serotine	11B	0.8
Serotine	11C	0.6
Serotine	12A	0.2
Serotine	12B	0.4
Serotine	12C	0.1
Serotine	13A	0.2
Serotine	13B	0.4
Serotine	13C	0.2
Serotine	2A	0.4
Serotine	2B	0.2
Serotine	2C	0.6
Serotine	4A	0.5
Serotine	4B	0.4
Serotine	4C	0.4
Serotine	5A	0.3
Serotine	5B	0.3
Serotine	5C	0.3
Serotine	6A	0.2
Serotine	6B	0.7
Serotine	6C	0.7
Serotine	8A	0.3
Serotine	8B	0.4
Serotine	8C	0.3
Serotine	9A	0.2
Serotine	9B	0.2
Serotine	9C	0.3
Nyctaloid	10A	2.5
Nyctaloid	10B	1.3

Nyctaloid	10C	1.6
Nyctaloid	11A	1.3
Nyctaloid	11B	2.2
Nyctaloid	11C	2.1
Nyctaloid	12A	0.9
Nyctaloid	12B	1.2
Nyctaloid	12C	0.4
Nyctaloid	13C	9.9
Nyctaloid	2A	2.0
Nyctaloid	2B	0.9
Nyctaloid	2C	1.6
Nyctaloid	4A	1.3
Nyctaloid	4B	0.8
Nyctaloid	4C	4.0
Nyctaloid	5A	0.6
Nyctaloid	5B	1.0
Nyctaloid	5C	0.8
Nyctaloid	6A	0.6
Nyctaloid	6B	2.8
Nyctaloid	6C	0.8
Nyctaloid	8A	2.8
Nyctaloid	8B	2.3
Nyctaloid	8C	1.6
Nyctaloid	9A	1.0
Nyctaloid	9B	0.3
Nyctaloid	9C	0.7
Long-eared bats	10A	0.1
Long-eared bats	10B	0.2
Long-eared bats	10C	0.2
Long-eared bats	11C	0.2
Long-eared bats	12C	0.1
Long-eared bats	9B	0.1
Myotis	10A	4.3
Myotis	10B	0.2
Myotis	10C	0.4
Myotis	11A	0.7

Myotis	11B	2.1
Myotis	11C	0.1
Myotis	12A	0.9
Myotis	12B	1.1
Myotis	12C	0.2
Myotis	13A	0.4
Myotis	13B	0.3
Myotis	13C	0.4
Myotis	2A	0.2
Myotis	2B	0.2
Myotis	2C	0.2
Myotis	4A	0.1
Myotis	4B	0.6
Myotis	4C	0.5
Myotis	5A	0.6
Myotis	5B	0.6
Myotis	5C	0.5
Myotis	6A	0.6
Myotis	6B	0.6
Myotis	6C	0.9
Myotis	8A	0.3
Myotis	8B	0.8
Myotis	8C	0.2
Myotis	9A	0.4
Myotis	9B	0.6
Myotis	9C	0.3
Barbastelle	10A	0.3
Barbastelle	10B	0.1
Barbastelle	10C	0.1
Barbastelle	11A	0.3
Barbastelle	11B	0.2
Barbastelle	11C	0.1
Barbastelle	12A	0.1
Barbastelle	12B	0.1
Barbastelle	12C	0.2
Barbastelle	13A	0.1

Barbastelle	13B	0.2
Barbastelle	13C	0.1
Barbastelle	2A	0.1
Barbastelle	2B	0.2
Barbastelle	2C	0.1
Barbastelle	4A	0.2
Barbastelle	4B	0.2
Barbastelle	4C	0.3
Barbastelle	5A	0.2
Barbastelle	5B	0.2
Barbastelle	5C	0.2
Barbastelle	6A	0.2
Barbastelle	6B	0.3
Barbastelle	6C	0.1
Barbastelle	8A	0.2
Barbastelle	8B	0.3
Barbastelle	8C	0.1
Barbastelle	9A	0.1
Barbastelle	9B	0.1
Barbastelle	9C	0.1
Greater horseshoe	10A	0.1
Greater horseshoe	10B	0.1
Greater horseshoe	10C	0.2
Lesser horseshoe	10A	0.2
Lesser horseshoe	10B	0.1
Lesser horseshoe	10C	0.1
Lesser horseshoe	4C	0.1
Lesser horseshoe	8A	0.2
Lesser horseshoe	9B	0.1

Nightly Bat Pass Rate (Bat passes per hour)

Mean per Detector

Table 17. The mean Nightly Pass Rate (bat passes per hour, per night) of each species at each detector. Values are given to 1 decimal place.

We recommend using the median values given above, for the reasons stated above, but provide the mean values in the table below.

Species	Detector ID	Mean Pass Rate
Pipistrellus	10A	7.2
Pipistrellus	10B	6.0
Pipistrellus	10C	5.4
Pipistrellus	11A	25.3
Pipistrellus	11B	50.0
Pipistrellus	11C	8.4
Pipistrellus	12A	15.7
Pipistrellus	12B	21.1
Pipistrellus	12C	13.1
Pipistrellus	13A	5.3
Pipistrellus	13B	14.4
Pipistrellus	13C	8.2
Pipistrellus	2A	37.3
Pipistrellus	2B	17.5
Pipistrellus	2C	21.5
Pipistrellus	4A	6.3
Pipistrellus	4C	11.1
Pipistrellus	5A	0.5
Pipistrellus	5B	17.6
Pipistrellus	5C	9.5
Pipistrellus	6A	2.6
Pipistrellus	6B	16.1
Pipistrellus	6C	24.0
Pipistrellus	8A	22.7
Pipistrellus	8B	21.5
Pipistrellus	8C	18.4

Pipistrellus	9C	18.5
Common pipistrelle	10A	12.7
Common pipistrelle	10B	3.7
Common pipistrelle	10C	3.7
Common pipistrelle	11A	17.5
Common pipistrelle	11B	23.1
Common pipistrelle	11C	12.1
Common pipistrelle	12A	5.3
Common pipistrelle	12B	5.2
Common pipistrelle	12C	9.8
Common pipistrelle	13A	3.0
Common pipistrelle	13B	19.0
Common pipistrelle	13C	3.6
Common pipistrelle	2A	19.3
Common pipistrelle	2B	6.7
Common pipistrelle	2C	14.8
Common pipistrelle	4A	2.2
Common pipistrelle	4B	1.7
Common pipistrelle	4C	6.5
Common pipistrelle	5A	1.8
Common pipistrelle	5B	11.7
Common pipistrelle	5C	6.6
Common pipistrelle	6A	4.6
Common pipistrelle	6B	7.0
Common pipistrelle	6C	18.5
Common pipistrelle	8A	14.6
Common pipistrelle	8B	14.9
Common pipistrelle	8C	12.9
Common pipistrelle	9A	0.8
Common pipistrelle	9B	6.6
Common pipistrelle	9C	14.4
Soprano pipistrelle	10A	1.2
Soprano pipistrelle	10B	0.6
Soprano pipistrelle	10C	0.7
Soprano pipistrelle	11A	0.3
Soprano pipistrelle	11B	7.7

Soprano pipistrelle	11C	0.8
Soprano pipistrelle	12A	5.5
Soprano pipistrelle	12B	2.5
Soprano pipistrelle	12C	1.0
Soprano pipistrelle	13A	0.2
Soprano pipistrelle	2A	1.0
Soprano pipistrelle	2B	0.8
Soprano pipistrelle	2C	3.0
Soprano pipistrelle	4A	3.7
Soprano pipistrelle	4B	0.4
Soprano pipistrelle	4C	0.7
Soprano pipistrelle	5A	0.4
Soprano pipistrelle	5B	2.2
Soprano pipistrelle	5C	0.8
Soprano pipistrelle	6A	0.6
Soprano pipistrelle	6B	3.6
Soprano pipistrelle	6C	2.2
Soprano pipistrelle	8A	1.9
Soprano pipistrelle	8B	6.1
Soprano pipistrelle	8C	1.6
Soprano pipistrelle	9A	7.3
Soprano pipistrelle	9B	6.7
Soprano pipistrelle	9C	6.2
Nathusius’	10A	0.4
Nathusius’	10B	0.1
Nathusius’	10C	0.2
Nathusius’	11A	0.3
Nathusius’	11B	0.1
Nathusius’	11C	0.2
Nathusius’	12B	0.1
Nathusius’	12C	0.7
Nathusius’	13A	0.2
Nathusius’	13B	0.5
Nathusius’	13C	0.2
Nathusius’	2A	5.5
Nathusius’	2B	0.1

Nathusius’	2C	0.4
Nathusius’	4A	1.4
Nathusius’	5A	0.1
Nathusius’	5B	0.1
Nathusius’	5C	0.2
Nathusius’	6A	0.1
Nathusius’	6B	0.4
Nathusius’	6C	0.1
Nathusius’	8A	0.2
Nathusius’	8B	0.2
Nathusius’	8C	0.4
Noctule	10A	1.4
Noctule	10B	0.4
Noctule	10C	1.0
Noctule	11A	0.9
Noctule	11B	0.6
Noctule	11C	0.9
Noctule	12A	1.3
Noctule	12B	0.8
Noctule	12C	0.7
Noctule	13A	1.3
Noctule	13B	1.7
Noctule	13C	1.8
Noctule	2A	1.6
Noctule	2B	1.7
Noctule	2C	1.2
Noctule	4A	0.5
Noctule	4B	0.7
Noctule	4C	0.8
Noctule	5A	0.5
Noctule	5B	0.7
Noctule	5C	0.4
Noctule	6A	0.3
Noctule	6B	0.6
Noctule	6C	0.5
Noctule	8A	0.8

Noctule	8B	1.0
Noctule	8C	0.7
Noctule	9A	0.7
Noctule	9B	0.6
Noctule	9C	0.4
Leisler’s	10A	0.4
Leisler’s	10B	0.2
Leisler’s	10C	0.1
Leisler’s	11A	0.1
Leisler’s	11B	0.2
Leisler’s	11C	0.3
Leisler’s	12A	0.2
Leisler’s	12B	1.1
Leisler’s	12C	0.2
Leisler’s	13A	0.5
Leisler’s	13B	0.5
Leisler’s	13C	0.5
Leisler’s	2A	0.2
Leisler’s	2B	2.7
Leisler’s	2C	0.2
Leisler’s	4A	0.1
Leisler’s	4B	0.2
Leisler’s	4C	0.3
Leisler’s	5A	0.2
Leisler’s	5B	0.1
Leisler’s	5C	0.2
Leisler’s	6A	0.2
Leisler’s	6B	0.2
Leisler’s	6C	3.5
Leisler’s	8A	0.3
Leisler’s	8B	0.2
Leisler’s	8C	0.4
Leisler’s	9A	0.1
Leisler’s	9B	0.3
Nyctalus	12B	0.8
Nyctalus	13A	0.4

Nyctalus	13C	3.5
Serotine	10A	0.9
Serotine	10B	1.0
Serotine	10C	0.5
Serotine	11A	0.6
Serotine	11B	1.7
Serotine	11C	1.1
Serotine	12A	0.4
Serotine	12B	0.9
Serotine	12C	0.3
Serotine	13A	0.3
Serotine	13B	0.5
Serotine	13C	0.4
Serotine	2A	0.4
Serotine	2B	4.2
Serotine	2C	0.8
Serotine	4A	0.9
Serotine	4B	1.1
Serotine	4C	1.1
Serotine	5A	0.4
Serotine	5B	0.7
Serotine	5C	0.7
Serotine	6A	0.3
Serotine	6B	1.7
Serotine	6C	1.2
Serotine	8A	0.7
Serotine	8B	0.6
Serotine	8C	0.7
Serotine	9A	0.9
Serotine	9B	0.5
Serotine	9C	0.6
Nyctaloid	10A	2.6
Nyctaloid	10B	1.8
Nyctaloid	10C	1.5
Nyctaloid	11A	1.6
Nyctaloid	11B	3.2

Nyctaloid	11C	3.1
Nyctaloid	12A	1.4
Nyctaloid	12B	1.4
Nyctaloid	12C	0.7
Nyctaloid	13C	9.9
Nyctaloid	2A	2.5
Nyctaloid	2B	1.4
Nyctaloid	2C	2.3
Nyctaloid	4A	1.9
Nyctaloid	4B	2.1
Nyctaloid	4C	3.2
Nyctaloid	5A	1.1
Nyctaloid	5B	1.8
Nyctaloid	5C	1.7
Nyctaloid	6A	0.7
Nyctaloid	6B	3.5
Nyctaloid	6C	1.8
Nyctaloid	8A	2.9
Nyctaloid	8B	2.4
Nyctaloid	8C	1.8
Nyctaloid	9A	2.1
Nyctaloid	9B	0.6
Nyctaloid	9C	1.1
Long-eared bats	10A	0.2
Long-eared bats	10B	0.2
Long-eared bats	10C	0.3
Long-eared bats	11C	0.2
Long-eared bats	12C	0.1
Long-eared bats	9B	0.1
Myotis	10A	6.9
Myotis	10B	0.7
Myotis	10C	0.5
Myotis	11A	2.3
Myotis	11B	5.2
Myotis	11C	0.2
Myotis	12A	1.1

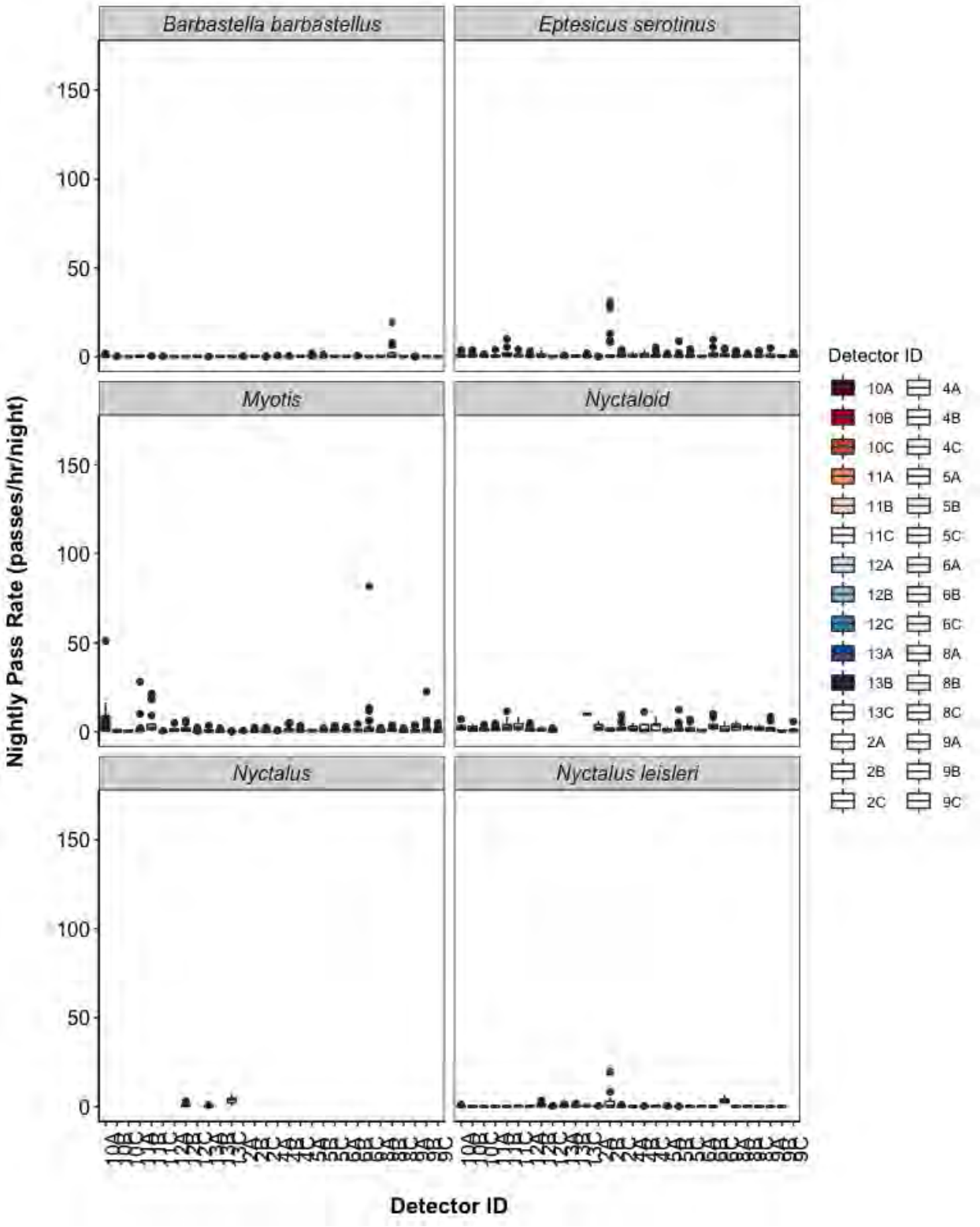
Myotis	12B	1.5
Myotis	12C	0.3
Myotis	13A	0.8
Myotis	13B	0.4
Myotis	13C	0.4
Myotis	2A	0.3
Myotis	2B	0.5
Myotis	2C	0.5
Myotis	4A	0.3
Myotis	4B	1.2
Myotis	4C	0.8
Myotis	5A	0.6
Myotis	5B	0.6
Myotis	5C	0.8
Myotis	6A	0.7
Myotis	6B	1.0
Myotis	6C	5.5
Myotis	8A	0.7
Myotis	8B	1.0
Myotis	8C	0.5
Myotis	9A	0.8
Myotis	9B	2.3
Myotis	9C	0.7
Barbastelle	10A	0.5
Barbastelle	10B	0.1
Barbastelle	10C	0.1
Barbastelle	11A	0.3
Barbastelle	11B	0.2
Barbastelle	11C	0.2
Barbastelle	12A	0.1
Barbastelle	12B	0.1
Barbastelle	12C	0.2
Barbastelle	13A	0.1
Barbastelle	13B	0.3
Barbastelle	13C	0.3
Barbastelle	2A	0.2

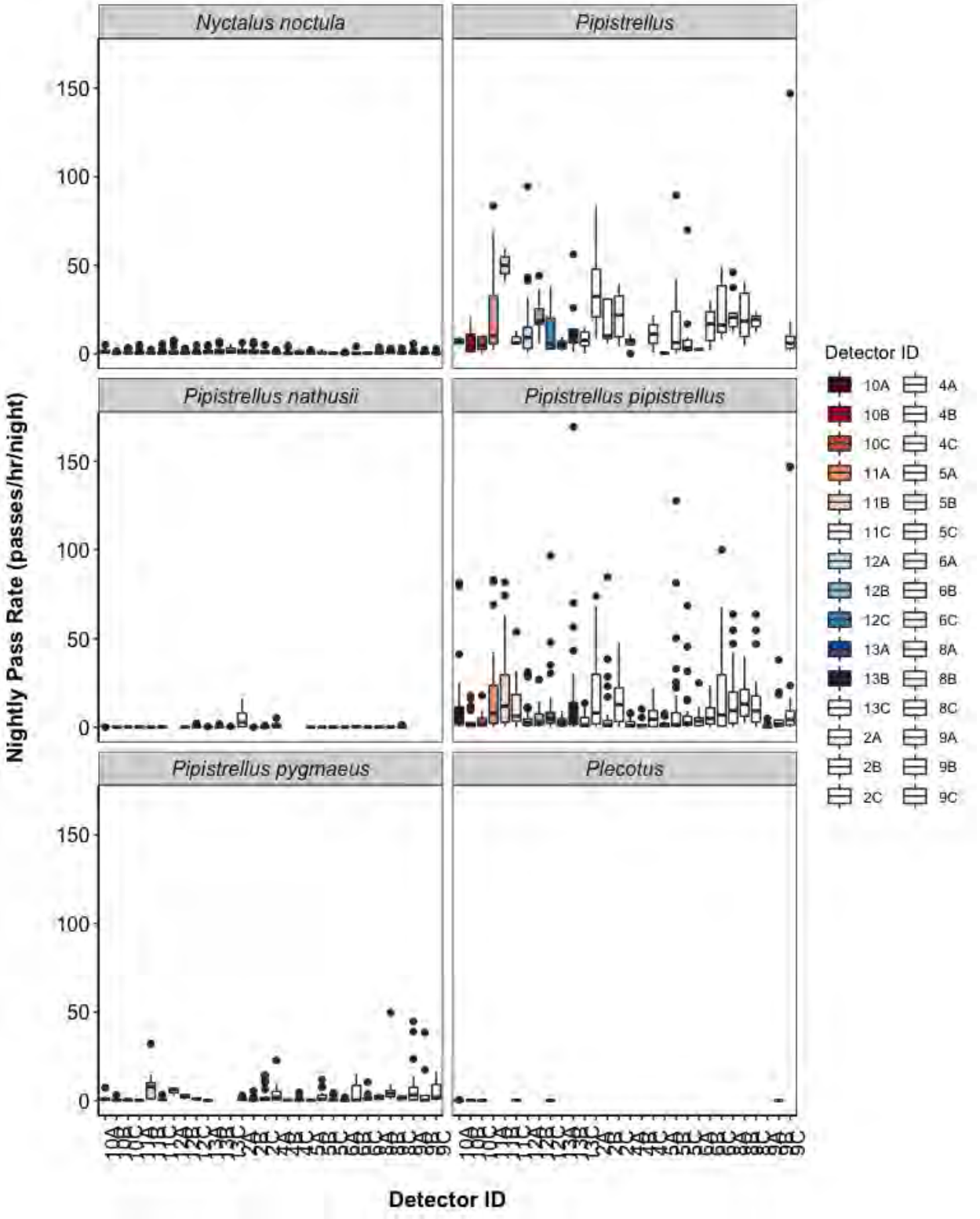
Barbastelle	2B	0.3
Barbastelle	2C	0.1
Barbastelle	4A	0.3
Barbastelle	4B	0.2
Barbastelle	4C	0.3
Barbastelle	5A	0.4
Barbastelle	5B	0.3
Barbastelle	5C	0.2
Barbastelle	6A	0.2
Barbastelle	6B	0.3
Barbastelle	6C	0.1
Barbastelle	8A	0.2
Barbastelle	8B	2.8
Barbastelle	8C	0.2
Barbastelle	9A	0.1
Barbastelle	9B	0.1
Barbastelle	9C	0.1
Greater horseshoe	10A	0.2
Greater horseshoe	10B	0.1
Greater horseshoe	10C	0.2
Lesser horseshoe	10A	0.4
Lesser horseshoe	10B	0.3
Lesser horseshoe	10C	0.1
Lesser horseshoe	4C	0.1
Lesser horseshoe	8A	0.2
Lesser horseshoe	9B	0.1

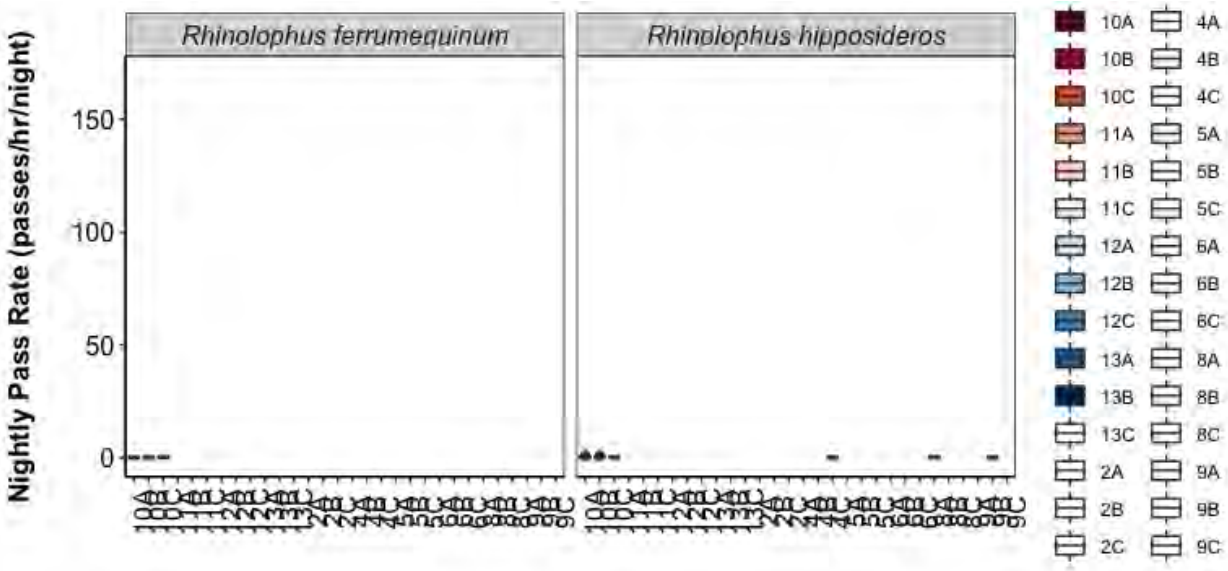
Nightly Bat Passes (Bat passes per hour)

Per Detector - Figures

Figure 11. Boxplots for the number of bat passes per hour each night, for each detector. The 'box' shows the interquartile range, which is where the middle 50% of the data lie. The line dividing the box is the median, the mid-point of the data. The 'whiskers' extend from the box and represent the ranges for the bottom 25% and the top 25% of the data values, excluding outliers. An outlier is any extreme value that lies further away from the box than 1.5 times the interquartile range. Outliers are shown as dots. Where very few passes are recorded it is not possible to produce the box, so the data are shown as a line.


Barbastella barbastellus
Eptesicus serotinus
Myotis
Nyctaloid
Nyctalus
Nyctalus leisleri
Nightly Pass Rate (passes/hr/night)
0
50
100
150
Detector ID
10A
10B
10C
11A
11B
11C
12A
12B
12C
13A
13B
13C
2A
2B
2C
4A
4B
4C
5A
5B
5C
6A
6B
6C
8A
8B
8C
9A
9B
9C


Nyctalus noctula
Pipistrellus
Pipistrellus nathusii
Pipistrellus pipistrellus
Pipistrellus pygmaeus
Plecotus
Nightly Pass Rate (passes/hr/night)
0
50
100
150
Detector ID
Detector ID
10A
10B
10C
11A
11B
11C
12A
12B
12C
13A
13B
13C
2A
2B
2C
4A
4B
4C
5A
5B
5C
6A
6B
6C
8A
8B
8C
9A
9B
9C


Rhinolophus ferrumequinum
Rhinolophus hipposideros
Nightly Pass Rate (passes/hr/night)
150
100
50
0
10A
10B
10C
11A
11B
11C
12A
12B
12C
13A
13B
13C
2A
2B
2C
4A
4B
4C
5A
5B
5C
6A
6B
6C
8A
8B
8C
9A
9B
9C

Detector ID

SPLIT BY MONTH

Total Bat Passes per Detector, each Month

Per Detector

Table 18. The total number of bat passes of each species in each month at each detector. This table simply tells you how many bats of each species were recorded passing each detector during each month. These numbers are not standardised by the night length, or how many nights each detector was active for during each month.

Species	Detector ID	Apr	May	Jun	Jul	Aug	Sep	Oct
Pipistrellus	10A	0	0	0	0	43	0	123
Pipistrellus	10B	0	97	357	48	0	5	158
Pipistrellus	10C	0	284	0	0	40	34	0
Pipistrellus	11A	0	460	1010	122	0	70	873
Pipistrellus	11B	0	794	0	0	0	0	0
Pipistrellus	11C	0	202	0	0	0	0	0
Pipistrellus	12A	0	1432	0	1184	0	133	142
Pipistrellus	12B	0	1427	0	53	472	0	0
Pipistrellus	12C	0	667	0	0	0	0	134
Pipistrellus	13A	0	50	70	82	0	297	24
Pipistrellus	13B	0	0	0	337	346	730	10
Pipistrellus	13C	0	18	0	0	431	466	3
Pipistrellus	2A	613	282	911	0	743	0	0
Pipistrellus	2B	0	463	234	0	0	0	0
Pipistrellus	2C	0	516	1092	61	0	47	0
Pipistrellus	4A	0	0	191	0	0	0	0
Pipistrellus	4C	0	0	0	165	6	0	0
Pipistrellus	5A	0	0	0	4	0	0	0
Pipistrellus	5B	0	761	0	279	802	51	0
Pipistrellus	5C	89	9	50	0	886	230	29
Pipistrellus	6A	0	0	0	20	0	0	0
Pipistrellus	6B	0	0	557	109	97	686	0
Pipistrellus	6C	0	0	0	0	0	2266	775
Pipistrellus	8A	0	209	429	476	728	0	0

Pipistrellus	8B	0	882	371	61	64	1293	0
Pipistrellus	8C	0	209	0	476	204	0	0
Pipistrellus	9C	69	1232	57	222	77	173	107
Common pipistrelle	10A	0	160	1861	234	151	11	23
Common pipistrelle	10B	0	81	312	41	18	6	366
Common pipistrelle	10C	0	324	0	177	50	86	55
Common pipistrelle	11A	0	550	1935	197	312	114	1481
Common pipistrelle	11B	0	993	5	395	2280	62	1001
Common pipistrelle	11C	0	350	501	678	1142	62	24
Common pipistrelle	12A	0	232	122	400	986	84	84
Common pipistrelle	12B	0	548	264	202	262	55	167
Common pipistrelle	12C	0	300	344	2133	193	129	149
Common pipistrelle	13A	0	250	148	225	18	225	52
Common pipistrelle	13B	0	2719	17	650	313	720	14
Common pipistrelle	13C	0	28	17	143	474	362	13
Common pipistrelle	2A	615	435	1268	1705	454	22	63
Common pipistrelle	2B	40	349	407	66	64	43	1761
Common pipistrelle	2C	670	1284	1190	536	692	30	41
Common pipistrelle	4A	45	238	72	16	291	39	12
Common pipistrelle	4B	45	65	0	119	0	13	0
Common pipistrelle	4C	166	0	0	542	31	0	6
Common pipistrelle	5A	26	193	64	3	90	112	7
Common pipistrelle	5B	236	3017	88	492	0	63	17
Common pipistrelle	5C	509	67	41	369	1360	147	302
Common pipistrelle	6A	71	282	214	23	0	351	0
Common pipistrelle	6B	0	77	364	359	94	688	0
Common pipistrelle	6C	1516	11	1528	18	1	1985	564
Common pipistrelle	8A	0	2049	372	680	1423	66	332
Common pipistrelle	8B	0	1136	341	725	218	757	1180
Common pipistrelle	8C	0	2049	433	680	824	117	332
Common pipistrelle	9A	51	29	1	2	2	0	0
Common pipistrelle	9B	69	59	296	2	13	0	520
Common pipistrelle	9C	1436	1531	146	341	135	178	429
Soprano pipistrelle	10A	0	38	11	21	94	2	94
Soprano pipistrelle	10B	0	8	26	16	18	8	79
Soprano pipistrelle	10C	0	22	0	3	1	68	4

Soprano pipistrelle	11A	0	0	3	1	0	0	0
Soprano pipistrelle	11B	0	350	0	157	471	8	0
Soprano pipistrelle	11C	0	44	14	2	9	8	0
Soprano pipistrelle	12A	0	0	0	0	0	194	0
Soprano pipistrelle	12B	0	0	0	0	0	88	0
Soprano pipistrelle	12C	0	0	0	0	0	24	0
Soprano pipistrelle	13A	0	0	0	0	3	0	0
Soprano pipistrelle	2A	47	48	21	60	0	0	0
Soprano pipistrelle	2B	14	0	20	9	94	0	0
Soprano pipistrelle	2C	23	26	458	9	42	0	0
Soprano pipistrelle	4A	5	417	189	0	70	0	0
Soprano pipistrelle	4B	8	23	0	13	0	2	0
Soprano pipistrelle	4C	61	0	41	35	0	10	10
Soprano pipistrelle	5A	0	1	10	0	27	0	0
Soprano pipistrelle	5B	122	161	14	78	184	0	0
Soprano pipistrelle	5C	45	3	6	65	53	0	0
Soprano pipistrelle	6A	0	15	0	23	2	0	0
Soprano pipistrelle	6B	3	2	429	15	20	0	0
Soprano pipistrelle	6C	138	1	37	0	0	0	0
Soprano pipistrelle	8A	0	77	36	52	138	71	132
Soprano pipistrelle	8B	0	262	158	94	124	0	1001
Soprano pipistrelle	8C	0	77	19	52	89	55	132
Soprano pipistrelle	9A	415	239	161	881	8	92	1
Soprano pipistrelle	9B	5	30	0	0	0	1	760
Soprano pipistrelle	9C	152	0	0	17	0	0	0
Nathusius’	10A	0	0	19	0	0	0	1
Nathusius’	10B	0	0	0	1	1	0	0
Nathusius’	10C	0	2	0	0	0	0	0
Nathusius’	11A	0	3	10	0	1	0	0
Nathusius’	11B	0	0	1	0	0	0	0
Nathusius’	11C	0	1	12	2	0	0	0
Nathusius’	12B	0	1	0	0	0	0	0
Nathusius’	12C	0	0	0	0	2	38	0
Nathusius’	13A	0	1	5	0	0	5	0
Nathusius’	13B	0	5	0	0	2	24	0
Nathusius’	13C	0	0	0	0	0	13	0

Nathusius’	2A	0	0	167	0	0	0	0
Nathusius’	2B	0	2	0	1	0	0	1
Nathusius’	2C	10	0	7	5	0	0	0
Nathusius’	4A	0	84	0	2	0	0	0
Nathusius’	5A	0	0	1	0	1	2	0
Nathusius’	5B	0	1	0	0	0	0	0
Nathusius’	5C	2	0	0	0	2	6	0
Nathusius’	6A	0	0	0	0	0	1	0
Nathusius’	6B	0	1	0	5	0	0	0
Nathusius’	6C	0	0	1	0	0	0	0
Nathusius’	8A	0	6	0	0	0	0	1
Nathusius’	8B	0	0	0	0	0	2	0
Nathusius’	8C	0	6	18	0	0	0	1
Noctule	10A	0	48	76	60	106	4	3
Noctule	10B	0	22	11	23	18	6	6
Noctule	10C	0	111	0	16	23	31	7
Noctule	11A	0	8	85	8	0	23	1
Noctule	11B	0	24	0	24	20	0	8
Noctule	11C	0	16	78	22	8	0	2
Noctule	12A	0	247	37	46	3	9	13
Noctule	12B	0	99	28	6	6	9	57
Noctule	12C	0	53	22	57	37	28	3
Noctule	13A	0	95	85	117	9	44	19
Noctule	13B	0	14	26	57	235	88	7
Noctule	13C	0	65	24	130	169	105	3
Noctule	2A	107	149	60	42	1	1	4
Noctule	2B	84	174	46	16	0	5	2
Noctule	2C	59	153	39	17	14	1	1
Noctule	4A	23	9	28	50	37	8	4
Noctule	4B	19	11	4	78	6	10	7
Noctule	4C	4	0	11	77	9	1	5
Noctule	5A	11	21	57	0	21	3	7
Noctule	5B	1	162	12	6	9	1	3
Noctule	5C	1	8	30	46	7	1	26
Noctule	6A	7	3	2	18	1	14	8
Noctule	6B	4	4	20	49	27	8	4

Noctule	6C	12	7	9	17	0	57	3
Noctule	8A	0	83	17	47	85	9	11
Noctule	8B	0	68	24	75	10	53	37
Noctule	8C	0	83	28	47	50	12	11
Noctule	9A	80	38	18	23	11	12	5
Noctule	9B	14	11	23	25	24	0	10
Noctule	9C	3	3	15	35	6	1	13
Leisler’s	10A	0	5	9	1	0	0	0
Leisler’s	10B	0	1	3	3	5	0	0
Leisler’s	10C	0	0	0	0	0	1	0
Leisler’s	11A	0	0	0	0	1	0	0
Leisler’s	11B	0	2	0	0	2	0	0
Leisler’s	11C	0	0	0	5	0	0	0
Leisler’s	12A	0	6	0	0	0	0	0
Leisler’s	12B	0	70	0	0	0	0	0
Leisler’s	12C	0	0	0	8	5	1	0
Leisler’s	13A	0	17	3	33	2	32	0
Leisler’s	13B	0	1	7	8	51	16	5
Leisler’s	13C	0	8	6	25	0	37	0
Leisler’s	2A	5	7	6	6	0	0	1
Leisler’s	2B	1	324	0	2	0	0	13
Leisler’s	2C	14	6	0	0	0	1	0
Leisler’s	4A	6	0	0	1	2	0	0
Leisler’s	4B	3	1	0	4	0	0	0
Leisler’s	4C	0	0	4	1	0	0	0
Leisler’s	5A	0	0	7	0	0	0	0
Leisler’s	5B	4	4	0	0	0	0	0
Leisler’s	5C	0	0	0	2	4	2	0
Leisler’s	6A	1	3	0	0	0	0	0
Leisler’s	6B	1	0	0	7	0	6	0
Leisler’s	6C	0	0	0	0	0	0	318
Leisler’s	8A	0	3	9	0	0	0	0
Leisler’s	8B	0	2	0	0	0	19	1
Leisler’s	8C	0	3	16	0	3	0	0
Leisler’s	9A	0	1	0	0	0	0	0
Leisler’s	9B	1	0	5	1	2	0	0

Nyctalus	12B	0	0	55	15	0	0	0
Nyctalus	13A	0	0	0	0	0	0	30
Nyctalus	13C	0	0	0	0	222	0	6
Serotine	10A	0	18	46	12	75	2	11
Serotine	10B	0	96	4	14	12	1	6
Serotine	10C	0	19	0	7	36	7	10
Serotine	11A	0	10	52	6	1	13	50
Serotine	11B	0	188	0	20	52	3	23
Serotine	11C	0	26	110	6	41	3	1
Serotine	12A	0	43	11	23	2	23	5
Serotine	12B	0	22	84	3	8	13	25
Serotine	12C	0	15	9	2	4	1	5
Serotine	13A	0	12	6	9	1	0	0
Serotine	13B	0	2	3	5	39	4	1
Serotine	13C	0	5	2	10	35	1	0
Serotine	2A	10	12	0	12	0	0	0
Serotine	2B	14	729	3	11	4	0	3
Serotine	2C	35	66	0	23	43	0	1
Serotine	4A	112	22	15	9	1	1	64
Serotine	4B	124	3	0	42	1	19	18
Serotine	4C	9	0	3	97	2	1	11
Serotine	5A	6	15	34	0	26	12	6
Serotine	5B	1	136	15	5	17	7	1
Serotine	5C	0	0	7	98	9	6	31
Serotine	6A	1	2	10	0	0	15	3
Serotine	6B	0	17	5	106	22	8	266
Serotine	6C	12	2	5	5	12	120	217
Serotine	8A	0	91	4	8	25	10	27
Serotine	8B	0	9	12	28	9	39	79
Serotine	8C	0	91	1	8	14	2	27
Serotine	9A	40	50	1	15	2	1	0
Serotine	9B	25	0	8	3	14	2	2
Serotine	9C	3	3	24	20	4	0	0
Nyctaloid	10A	0	77	19	72	196	7	15
Nyctaloid	10B	0	97	0	32	0	4	20
Nyctaloid	10C	0	49	0	15	77	57	12

Nyctaloid	11A	0	17	74	13	0	11	46
Nyctaloid	11B	0	254	0	57	64	0	29
Nyctaloid	11C	0	21	157	0	32	0	4
Nyctaloid	12A	0	0	38	57	0	25	29
Nyctaloid	12B	0	0	0	0	0	20	94
Nyctaloid	12C	0	0	34	0	0	0	21
Nyctaloid	13C	0	0	0	0	89	0	0
Nyctaloid	2A	125	181	80	86	0	2	10
Nyctaloid	2B	0	0	65	36	0	7	0
Nyctaloid	2C	0	243	38	47	85	0	0
Nyctaloid	4A	163	0	39	47	48	0	48
Nyctaloid	4B	179	8	8	131	10	50	2
Nyctaloid	4C	7	0	0	201	12	0	2
Nyctaloid	5A	9	0	98	0	57	5	19
Nyctaloid	5B	8	265	35	3	51	9	1
Nyctaloid	5C	2	0	29	172	31	0	41
Nyctaloid	6A	15	12	26	19	2	38	5
Nyctaloid	6B	0	11	26	141	114	0	277
Nyctaloid	6C	0	11	9	10	22	263	0
Nyctaloid	8A	0	63	0	46	163	0	27
Nyctaloid	8B	0	94	86	121	10	0	121
Nyctaloid	8C	0	63	0	46	83	5	27
Nyctaloid	9A	104	93	12	37	0	15	0
Nyctaloid	9B	0	0	0	0	12	3	4
Nyctaloid	9C	6	7	45	62	0	5	2
Long-eared bats	10A	0	3	1	2	11	0	2
Long-eared bats	10B	0	5	0	0	0	0	0
Long-eared bats	10C	0	4	0	0	14	0	0
Long-eared bats	11C	0	0	4	0	3	0	0
Long-eared bats	12C	0	1	0	0	0	0	0
Long-eared bats	9B	0	0	0	1	0	0	0
Myotis	10A	0	719	5	187	256	0	43
Myotis	10B	0	42	0	22	12	3	29
Myotis	10C	0	31	0	9	4	31	23
Myotis	11A	0	33	18	11	9	54	529
Myotis	11B	0	558	0	57	81	0	93

Myotis	11C	0	6	8	0	4	0	4
Myotis	12A	0	17	24	82	36	132	58
Myotis	12B	0	214	21	74	54	50	34
Myotis	12C	0	1	7	13	1	2	55
Myotis	13A	0	1	0	49	0	1	1
Myotis	13B	0	0	0	12	27	6	1
Myotis	13C	0	0	0	11	15	2	1
Myotis	2A	10	7	8	11	3	2	12
Myotis	2B	8	46	11	15	4	7	24
Myotis	2C	14	47	4	30	15	2	1
Myotis	4A	3	21	3	0	1	0	0
Myotis	4B	3	65	46	66	45	39	51
Myotis	4C	54	0	53	0	13	15	6
Myotis	5A	11	38	1	1	32	28	0
Myotis	5B	26	73	25	11	39	3	2
Myotis	5C	64	12	28	10	17	28	108
Myotis	6A	0	12	15	19	1	79	0
Myotis	6B	0	0	8	16	29	135	0
Myotis	6C	767	1	1	43	5	100	518
Myotis	8A	0	8	0	0	23	6	70
Myotis	8B	0	47	24	15	8	95	104
Myotis	8C	0	8	0	0	5	17	70
Myotis	9A	12	97	30	15	5	15	0
Myotis	9B	2	303	1	15	41	8	0
Myotis	9C	49	39	10	13	2	6	0
Barbastelle	10A	0	6	5	7	45	0	2
Barbastelle	10B	0	2	0	1	5	1	0
Barbastelle	10C	0	0	0	0	2	1	0
Barbastelle	11A	0	3	6	1	0	27	19
Barbastelle	11B	0	2	0	0	7	0	4
Barbastelle	11C	0	0	0	1	0	0	7
Barbastelle	12A	0	1	0	0	0	1	0
Barbastelle	12B	0	1	0	0	1	1	0
Barbastelle	12C	0	4	0	1	2	1	14
Barbastelle	13A	0	1	0	0	0	2	1
Barbastelle	13B	0	0	0	5	8	8	1

Barbastelle	13C	0	2	0	2	0	16	0
Barbastelle	2A	2	0	0	4	0	1	0
Barbastelle	2B	2	18	0	2	0	4	18
Barbastelle	2C	0	4	1	0	2	0	1
Barbastelle	4A	2	15	0	0	0	0	2
Barbastelle	4B	0	8	0	0	0	0	5
Barbastelle	4C	1	0	0	3	3	0	0
Barbastelle	5A	0	4	2	0	6	33	0
Barbastelle	5B	0	6	0	11	8	0	0
Barbastelle	5C	0	0	0	2	1	4	0
Barbastelle	6A	0	0	0	0	0	11	0
Barbastelle	6B	0	4	0	0	3	19	0
Barbastelle	6C	0	0	1	0	0	4	2
Barbastelle	8A	0	2	1	0	0	0	0
Barbastelle	8B	0	1	7	1	3	412	2
Barbastelle	8C	0	2	3	0	0	5	0
Barbastelle	9A	0	4	0	1	0	1	0
Barbastelle	9B	0	0	0	1	0	0	0
Barbastelle	9C	0	0	0	0	2	0	0
Greater horseshoe	10A	0	4	0	0	3	0	0
Greater horseshoe	10B	0	1	0	0	0	0	0
Greater horseshoe	10C	0	0	0	0	0	2	0
Lesser horseshoe	10A	0	4	7	2	22	1	13
Lesser horseshoe	10B	0	14	1	0	0	3	1
Lesser horseshoe	10C	0	1	0	1	2	6	0
Lesser horseshoe	4C	0	0	0	0	0	1	0
Lesser horseshoe	8A	0	0	0	0	0	2	0
Lesser horseshoe	9B	0	0	0	1	0	0	0

Survey Effort

Table 19. The number of survey nights per month per detector.

Month	Detector ID	No. of Survey Nights
Apr	2A	5
Apr	2B	5
Apr	2C	5
Apr	4A	5
Apr	4B	5
Apr	4C	5
Apr	5A	6
Apr	5B	4
Apr	5C	4
Apr	6A	5
Apr	6B	3
Apr	6C	6
Apr	9A	6
Apr	9B	4
Apr	9C	5
May	10A	5
May	10B	5
May	10C	5
May	11A	5
May	11B	5
May	11C	5
May	12A	9
May	12B	9
May	12C	4
May	13A	7
May	13B	5
May	13C	5
May	2A	6
May	2B	6
May	2C	6

May	4A	5
May	4B	5
May	5A	8
May	5B	15
May	5C	7
May	6A	4
May	6B	5
May	6C	5
May	8A	18
May	8B	5
May	8C	18
May	9A	7
May	9B	5
May	9C	5
Jun	10A	5
Jun	10B	3
Jun	11A	5
Jun	11B	1
Jun	11C	5
Jun	12A	6
Jun	12B	6
Jun	12C	7
Jun	13A	6
Jun	13B	5
Jun	13C	5
Jun	2A	5
Jun	2B	5
Jun	2C	7
Jun	4A	9
Jun	4B	5
Jun	4C	5
Jun	5A	7
Jun	5B	3
Jun	5C	6
Jun	6A	5
Jun	6B	5

Jun	6C	5
Jun	8A	3
Jun	8B	5
Jun	8C	4
Jun	9A	5
Jun	9B	2
Jun	9C	5
Jul	10A	5
Jul	10B	5
Jul	10C	5
Jul	11A	4
Jul	11B	5
Jul	11C	5
Jul	12A	7
Jul	12B	7
Jul	12C	10
Jul	13A	5
Jul	13B	5
Jul	13C	9
Jul	2A	5
Jul	2B	6
Jul	2C	6
Jul	4A	10
Jul	4B	5
Jul	4C	5
Jul	5A	2
Jul	5B	6
Jul	5C	11
Jul	6A	6
Jul	6B	5
Jul	6C	5
Jul	8A	5
Jul	8B	5
Jul	8C	5
Jul	9A	5
Jul	9B	5

Jul	9C	5
Aug	10A	6
Aug	10B	5
Aug	10C	5
Aug	11A	6
Aug	11B	5
Aug	11C	5
Aug	12A	5
Aug	12B	2
Aug	12C	6
Aug	13A	5
Aug	13B	5
Aug	13C	5
Aug	2A	2
Aug	2B	6
Aug	2C	8
Aug	4A	7
Aug	4B	5
Aug	4C	2
Aug	5A	6
Aug	5B	6
Aug	5C	7
Aug	6A	1
Aug	6B	5
Aug	6C	5
Aug	8A	5
Aug	8B	5
Aug	8C	5
Aug	9A	5
Aug	9B	5
Aug	9C	5
Sep	10A	5
Sep	10B	5
Sep	10C	5
Sep	11A	5
Sep	11B	1

Sep	11C	1
Sep	12A	7
Sep	12B	5
Sep	12C	5
Sep	13A	5
Sep	13B	5
Sep	13C	5
Sep	2A	1
Sep	2B	2
Sep	2C	1
Sep	4A	5
Sep	4B	5
Sep	4C	6
Sep	5A	3
Sep	5B	7
Sep	5C	4
Sep	6A	5
Sep	6B	5
Sep	6C	6
Sep	8A	5
Sep	8B	5
Sep	8C	5
Sep	9A	5
Sep	9B	3
Sep	9C	6
Oct	10A	1
Oct	10B	4
Oct	10C	4
Oct	11A	4
Oct	11B	5
Oct	11C	7
Oct	12A	6
Oct	12B	5
Oct	12C	7
Oct	13A	7
Oct	13B	4

Oct	13C	5
Oct	2A	5
Oct	2B	7
Oct	2C	4
Oct	4A	5
Oct	4B	5
Oct	4C	5
Oct	5A	5
Oct	5B	4
Oct	5C	7
Oct	6A	4
Oct	6B	5
Oct	6C	7
Oct	8A	5
Oct	8B	5
Oct	8C	5
Oct	9A	4
Oct	9B	5
Oct	9C	5

Nightly Bat Pass Rate for each Month

Median Per Detector

Table 20. The median Nightly Pass Rate (bat passes per hour, per night) of each species throughout each month. If NA, then no bat passes.

Bat pass rates are often highly variable between nights, with some nights having few or no passes and other nights having high activity. In these circumstances, the median is likely to be a more useful summary of the 'average' activity than is the mean. For further information see: *Lintott, P. R., & Mathews, F. (2018). Basic mathematical errors may make ecological assessments unreliable. Biodiversity and Conservation, 27(1), 265-267.* https://doi.org/10.1007/s10531-017-1418-5

Species	Detector ID	Apr	May	Jun	Jul	Aug	Sep	Oct
Pipistrellus	10A	NA	NA	NA	NA	4.7	NA	9.6
Pipistrellus	10B	NA	2.9	13.7	3.0	NA	0.5	6.2
Pipistrellus	10C	NA	9.7	NA	NA	0.4	3.1	NA
Pipistrellus	11A	NA	10.2	28.1	7.5	NA	3.2	69.4
Pipistrellus	11B	NA	50.0	NA	NA	NA	NA	NA
Pipistrellus	11C	NA	6.2	NA	NA	NA	NA	NA
Pipistrellus	12A	NA	10.6	NA	32.1	NA	2.5	1.4
Pipistrellus	12B	NA	18.4	NA	6.7	25.1	NA	NA
Pipistrellus	12C	NA	20.1	NA	NA	NA	NA	2.4
Pipistrellus	13A	NA	6.3	9.2	5.0	NA	4.9	1.8
Pipistrellus	13B	NA	NA	NA	20.4	9.6	5.7	0.8
Pipistrellus	13C	NA	2.2	NA	NA	12.3	7.2	0.2
Pipistrellus	2A	21.8	32.9	44.7	NA	83.9	NA	NA
Pipistrellus	2B	NA	9.4	30.9	NA	NA	NA	NA
Pipistrellus	2C	NA	16.0	27.7	7.2	NA	4.2	NA
Pipistrellus	4A	NA	NA	7.0	NA	NA	NA	NA
Pipistrellus	4C	NA	NA	NA	21.6	0.6	NA	NA
Pipistrellus	5A	NA	NA	NA	0.5	NA	NA	NA
Pipistrellus	5B	NA	44.8	NA	16.7	6.6	2.2	NA
Pipistrellus	5C	9.5	1.0	1.8	NA	16.9	4.4	2.3
Pipistrellus	6A	NA	NA	NA	2.6	NA	NA	NA
Pipistrellus	6B	NA	NA	24.6	13.8	2.3	20.9	NA
Pipistrellus	6C	NA	NA	NA	NA	NA	38.4	12.0

Pipistrellus	8A	NA	13.1	21.5	19.6	41.6	NA	NA
Pipistrellus	8B	NA	34.2	18.1	7.8	7.4	27.1	NA
Pipistrellus	8C	NA	13.1	NA	19.6	23.5	NA	NA
Pipistrellus	9C	7.4	146.9	3.8	13.8	2.6	7.7	7.9
Common pipistrelle	10A	NA	1.5	41.1	4.9	2.2	0.4	1.8
Common pipistrelle	10B	NA	2.4	12.1	1.0	0.3	0.2	5.9
Common pipistrelle	10C	NA	8.6	NA	4.1	0.7	1.4	1.1
Common pipistrelle	11A	NA	5.9	42.3	7.0	3.6	2.1	18.3
Common pipistrelle	11B	NA	22.2	0.7	2.9	63.4	5.8	2.8
Common pipistrelle	11C	NA	9.3	7.8	13.9	27.8	5.8	0.3
Common pipistrelle	12A	NA	2.4	3.1	6.8	28.5	1.2	0.7
Common pipistrelle	12B	NA	7.4	4.1	3.0	13.9	0.8	1.2
Common pipistrelle	12C	NA	8.7	7.1	12.8	3.5	2.4	0.8
Common pipistrelle	13A	NA	4.2	1.6	5.8	0.3	4.1	0.7
Common pipistrelle	13B	NA	56.5	0.4	13.6	7.2	7.5	0.4
Common pipistrelle	13C	NA	0.9	0.4	1.9	10.6	5.8	0.2
Common pipistrelle	2A	8.3	3.7	41.9	62.7	25.6	2.1	0.6
Common pipistrelle	2B	0.4	4.4	4.2	0.9	0.8	2.0	1.9
Common pipistrelle	2C	7.3	21.5	22.4	6.2	5.4	2.6	1.1
Common pipistrelle	4A	0.6	6.8	1.1	0.2	3.5	1.8	0.2
Common pipistrelle	4B	0.6	0.8	NA	1.5	NA	0.4	NA
Common pipistrelle	4C	1.9	NA	NA	13.0	1.7	NA	0.2
Common pipistrelle	5A	0.4	2.5	1.1	0.2	1.4	2.8	0.1
Common pipistrelle	5B	1.3	5.5	4.4	6.2	NA	0.7	0.2
Common pipistrelle	5C	8.9	1.6	1.1	2.6	15.1	2.6	2.0
Common pipistrelle	6A	1.5	3.9	4.7	0.6	NA	5.8	NA
Common pipistrelle	6B	NA	1.7	11.0	10.8	1.6	9.3	NA
Common pipistrelle	6C	13.6	0.3	49.3	0.8	0.1	30.5	5.6
Common pipistrelle	8A	NA	9.2	18.1	18.2	33.9	1.2	5.7
Common pipistrelle	8B	NA	24.4	9.1	15.5	4.4	18.6	14.5
Common pipistrelle	8C	NA	9.2	14.3	18.2	19.8	2.2	5.7
Common pipistrelle	9A	2.7	0.5	0.1	0.1	0.1	NA	NA
Common pipistrelle	9B	2.1	1.8	19.1	0.1	1.5	NA	19.2
Common pipistrelle	9C	7.3	12.3	4.3	8.3	2.6	0.3	7.8
Soprano pipistrelle	10A	NA	1.0	0.3	0.5	1.9	0.2	7.4
Soprano pipistrelle	10B	NA	0.1	1.1	0.2	0.4	0.1	1.2

Soprano pipistrelle	10C	NA	0.5	NA	0.4	0.1	1.1	0.1
Soprano pipistrelle	11A	NA	NA	0.4	0.1	NA	NA	NA
Soprano pipistrelle	11B	NA	9.1	NA	2.1	7.9	0.8	NA
Soprano pipistrelle	11C	NA	0.8	0.7	0.2	0.2	0.8	NA
Soprano pipistrelle	12A	NA	NA	NA	NA	NA	6.3	NA
Soprano pipistrelle	12B	NA	NA	NA	NA	NA	2.7	NA
Soprano pipistrelle	12C	NA	NA	NA	NA	NA	1.0	NA
Soprano pipistrelle	13A	NA	NA	NA	NA	0.2	NA	NA
Soprano pipistrelle	2A	1.0	0.7	0.5	2.0	NA	NA	NA
Soprano pipistrelle	2B	0.3	NA	0.3	0.2	1.8	NA	NA
Soprano pipistrelle	2C	0.4	0.6	10.0	0.2	1.0	NA	NA
Soprano pipistrelle	4A	0.1	7.7	2.6	NA	0.9	NA	NA
Soprano pipistrelle	4B	0.2	0.5	NA	0.6	NA	0.1	NA
Soprano pipistrelle	4C	0.3	NA	1.2	0.8	NA	0.2	0.1
Soprano pipistrelle	5A	NA	0.1	0.3	NA	0.6	NA	NA
Soprano pipistrelle	5B	6.5	0.4	0.9	1.0	3.2	NA	NA
Soprano pipistrelle	5C	2.4	0.1	0.1	0.8	0.8	NA	NA
Soprano pipistrelle	6A	NA	0.2	NA	0.4	0.2	NA	NA
Soprano pipistrelle	6B	0.3	0.1	11.3	0.5	0.2	NA	NA
Soprano pipistrelle	6C	2.1	0.1	1.2	NA	NA	NA	NA
Soprano pipistrelle	8A	NA	2.8	0.4	1.1	3.3	1.6	2.5
Soprano pipistrelle	8B	NA	4.5	2.3	2.0	2.9	NA	7.4
Soprano pipistrelle	8C	NA	2.8	0.7	1.1	1.7	1.1	2.5
Soprano pipistrelle	9A	11.7	2.9	4.0	11.4	0.2	1.1	0.1
Soprano pipistrelle	9B	0.3	0.4	NA	NA	NA	0.1	17.4
Soprano pipistrelle	9C	16.4	NA	NA	1.1	NA	NA	NA
Nathusius'	10A	NA	NA	0.5	NA	NA	NA	0.1
Nathusius'	10B	NA	NA	NA	0.1	0.1	NA	NA
Nathusius'	10C	NA	0.2	NA	NA	NA	NA	NA
Nathusius'	11A	NA	0.1	0.5	NA	0.1	NA	NA
Nathusius'	11B	NA	NA	0.1	NA	NA	NA	NA
Nathusius'	11C	NA	0.1	0.4	0.1	NA	NA	NA
Nathusius'	12B	NA	0.1	NA	NA	NA	NA	NA
Nathusius'	12C	NA	NA	NA	NA	0.1	0.6	NA
Nathusius'	13A	NA	0.1	0.1	NA	NA	0.1	NA
Nathusius'	13B	NA	0.3	NA	NA	0.2	0.2	NA

Nathusius’	13C	NA	NA	NA	NA	NA	0.2	NA
Nathusius’	2A	NA	NA	2.8	NA	NA	NA	NA
Nathusius’	2B	NA	0.1	NA	0.1	NA	NA	0.1
Nathusius’	2C	0.3	NA	0.9	0.2	NA	NA	NA
Nathusius’	4A	NA	0.7	NA	0.1	NA	NA	NA
Nathusius’	5A	NA	NA	0.1	NA	0.1	0.1	NA
Nathusius’	5B	NA	0.1	NA	NA	NA	NA	NA
Nathusius’	5C	0.1	NA	NA	NA	0.1	0.3	NA
Nathusius’	6A	NA	NA	NA	NA	NA	0.1	NA
Nathusius’	6B	NA	0.1	NA	0.6	NA	NA	NA
Nathusius’	6C	NA	NA	0.1	NA	NA	NA	NA
Nathusius’	8A	NA	0.2	NA	NA	NA	NA	0.1
Nathusius’	8B	NA	NA	NA	NA	NA	0.2	NA
Nathusius’	8C	NA	0.2	0.5	NA	NA	NA	0.1
Noctule	10A	NA	0.9	1.6	1.7	1.8	0.1	0.2
Noctule	10B	NA	0.4	0.4	0.5	0.3	0.2	0.1
Noctule	10C	NA	3.1	NA	0.8	0.6	0.5	0.2
Noctule	11A	NA	0.2	1.9	0.5	NA	0.4	0.1
Noctule	11B	NA	0.6	NA	1.5	0.4	NA	0.1
Noctule	11C	NA	0.5	1.1	0.2	0.4	NA	0.1
Noctule	12A	NA	2.2	0.7	0.9	0.2	0.2	0.3
Noctule	12B	NA	1.3	0.7	0.2	0.3	0.1	0.6
Noctule	12C	NA	0.7	0.5	0.6	0.6	0.4	0.1
Noctule	13A	NA	1.8	1.6	3.2	0.1	0.5	0.2
Noctule	13B	NA	0.4	0.8	1.1	4.4	0.7	0.1
Noctule	13C	NA	1.0	0.8	1.2	3.8	2.0	0.1
Noctule	2A	1.6	3.2	1.4	1.1	0.1	0.1	0.1
Noctule	2B	1.2	5.4	1.3	0.2	NA	0.5	0.1
Noctule	2C	0.8	2.4	0.9	0.5	0.3	0.1	0.1
Noctule	4A	0.5	0.5	0.7	0.3	0.8	0.2	0.2
Noctule	4B	0.6	0.3	0.1	0.9	0.6	0.1	0.3
Noctule	4C	0.2	NA	0.4	2.1	0.5	0.1	0.2
Noctule	5A	0.3	0.1	0.8	NA	0.4	0.3	0.1
Noctule	5B	0.1	1.4	0.5	0.1	0.2	0.1	0.1
Noctule	5C	0.1	0.1	0.7	0.5	0.2	0.1	0.1
Noctule	6A	0.1	0.4	0.3	0.3	0.1	0.1	0.2

Noctule	6B	0.2	0.1	0.4	0.9	0.8	0.1	0.2
Noctule	6C	0.6	0.2	0.3	0.5	NA	0.8	0.1
Noctule	8A	NA	0.4	0.5	0.8	2.4	0.2	0.2
Noctule	8B	NA	1.4	0.8	1.8	0.2	0.9	0.7
Noctule	8C	NA	0.4	0.7	0.8	0.7	0.4	0.2
Noctule	9A	1.1	0.6	0.4	0.6	0.2	0.2	0.2
Noctule	9B	0.4	0.4	1.5	0.4	1.0	NA	0.1
Noctule	9C	0.1	0.2	0.4	0.7	0.2	0.1	0.2
Leisler’s	10A	NA	0.3	0.6	0.1	NA	NA	NA
Leisler’s	10B	NA	0.1	0.2	0.2	0.1	NA	NA
Leisler’s	10C	NA	NA	NA	NA	NA	0.1	NA
Leisler’s	11A	NA	NA	NA	NA	0.1	NA	NA
Leisler’s	11B	NA	0.2	NA	NA	0.1	NA	NA
Leisler’s	11C	NA	NA	NA	0.3	NA	NA	NA
Leisler’s	12A	NA	0.2	NA	NA	NA	NA	NA
Leisler’s	12B	NA	0.4	NA	NA	NA	NA	NA
Leisler’s	12C	NA	NA	NA	0.1	0.1	0.1	NA
Leisler’s	13A	NA	0.2	0.2	0.6	0.1	0.6	NA
Leisler’s	13B	NA	0.1	0.3	0.1	1.2	0.7	0.2
Leisler’s	13C	NA	0.4	0.4	0.1	NA	0.7	NA
Leisler’s	2A	0.1	0.1	0.3	0.4	NA	NA	0.1
Leisler’s	2B	0.1	5.0	NA	0.1	NA	NA	0.1
Leisler’s	2C	0.2	0.1	NA	NA	NA	0.1	NA
Leisler’s	4A	0.1	NA	NA	0.1	0.2	NA	NA
Leisler’s	4B	0.2	0.1	NA	0.3	NA	NA	NA
Leisler’s	4C	NA	NA	0.5	0.1	NA	NA	NA
Leisler’s	5A	NA	NA	0.1	NA	NA	NA	NA
Leisler’s	5B	0.1	0.1	NA	NA	NA	NA	NA
Leisler’s	5C	NA	NA	NA	0.3	0.2	0.1	NA
Leisler’s	6A	0.1	0.4	NA	NA	NA	NA	NA
Leisler’s	6B	0.1	NA	NA	0.1	NA	0.2	NA
Leisler’s	6C	NA	NA	NA	NA	NA	NA	3.5
Leisler’s	8A	NA	0.1	0.6	NA	NA	NA	NA
Leisler’s	8B	NA	0.1	NA	NA	NA	0.3	0.1
Leisler’s	8C	NA	0.1	0.8	NA	0.2	NA	NA
Leisler’s	9A	NA	0.1	NA	NA	NA	NA	NA

Leisler's	9B	0.1	NA	0.6	0.1	0.2	NA	NA
Nyctalus	12B	NA	NA	1.2	0.2	NA	NA	NA
Nyctalus	13A	NA	NA	NA	NA	NA	NA	0.3
Nyctalus	13C	NA	NA	NA	NA	4.5	NA	0.2
Serotine	10A	NA	0.2	0.7	0.2	1.3	0.1	0.9
Serotine	10B	NA	2.4	0.3	0.9	0.3	0.1	0.5
Serotine	10C	NA	0.5	NA	0.4	0.8	0.1	0.2
Serotine	11A	NA	0.2	0.8	0.2	0.1	0.3	1.0
Serotine	11B	NA	2.8	NA	0.2	0.9	0.3	0.4
Serotine	11C	NA	0.4	2.7	0.1	0.9	0.3	0.1
Serotine	12A	NA	0.4	0.3	0.2	0.1	0.2	0.1
Serotine	12B	NA	0.2	1.8	0.1	0.8	0.2	0.9
Serotine	12C	NA	0.6	0.4	0.1	0.1	0.1	0.1
Serotine	13A	NA	0.2	0.8	0.5	0.1	NA	NA
Serotine	13B	NA	0.1	0.4	0.1	0.9	0.4	0.1
Serotine	13C	NA	0.2	0.3	0.2	0.4	0.1	NA
Serotine	2A	0.4	0.4	NA	0.4	NA	NA	NA
Serotine	2B	0.2	11.1	0.2	0.2	0.1	NA	0.1
Serotine	2C	0.4	0.8	NA	0.4	0.9	NA	0.1
Serotine	4A	2.8	0.2	0.5	0.2	0.1	0.1	0.5
Serotine	4B	2.5	0.1	NA	0.4	0.1	1.8	0.2
Serotine	4C	0.5	NA	0.2	1.6	0.2	0.1	0.2
Serotine	5A	0.3	0.2	0.5	NA	0.3	0.3	0.1
Serotine	5B	0.1	0.5	0.5	0.2	0.2	0.2	0.1
Serotine	5C	NA	NA	0.5	0.6	0.1	0.2	0.4
Serotine	6A	0.1	0.1	0.5	NA	NA	0.2	0.2
Serotine	6B	NA	0.5	0.3	1.8	0.5	0.1	2.9
Serotine	6C	0.4	0.2	0.3	0.2	0.4	1.4	1.7
Serotine	8A	NA	0.8	0.3	0.2	0.6	0.2	0.4
Serotine	8B	NA	0.2	0.5	0.6	0.3	0.7	1.4
Serotine	8C	NA	0.8	0.1	0.2	0.4	0.2	0.4
Serotine	9A	1.5	0.2	0.1	0.4	0.2	0.1	NA
Serotine	9B	1.1	NA	1.0	0.2	0.3	0.2	0.1
Serotine	9C	0.3	0.4	0.4	2.5	0.1	NA	NA
Nyctaloid	10A	NA	2.6	2.5	4.0	3.1	0.3	1.2
Nyctaloid	10B	NA	3.0	NA	2.0	NA	0.4	0.4

Nyctaloid	10C	NA	3.1	NA	1.9	1.6	1.1	0.5
Nyctaloid	11A	NA	0.6	3.5	1.6	NA	1.0	1.3
Nyctaloid	11B	NA	4.7	NA	1.0	2.2	NA	0.6
Nyctaloid	11C	NA	1.3	4.8	NA	1.8	NA	0.3
Nyctaloid	12A	NA	NA	2.5	1.7	NA	1.1	0.4
Nyctaloid	12B	NA	NA	NA	NA	NA	0.3	2.0
Nyctaloid	12C	NA	NA	1.2	NA	NA	NA	0.3
Nyctaloid	13C	NA	NA	NA	NA	9.9	NA	NA
Nyctaloid	2A	2.7	4.0	2.0	1.4	NA	0.2	0.2
Nyctaloid	2B	NA	NA	2.0	0.8	NA	0.7	NA
Nyctaloid	2C	NA	4.3	1.2	0.8	1.9	NA	NA
Nyctaloid	4A	4.3	NA	2.1	1.0	0.9	NA	1.9
Nyctaloid	4B	4.0	0.5	0.3	4.0	0.5	0.2	0.2
Nyctaloid	4C	0.7	NA	NA	4.2	1.4	NA	0.1
Nyctaloid	5A	0.3	NA	2.5	NA	1.2	0.4	0.3
Nyctaloid	5B	0.4	1.9	1.3	0.4	1.3	0.3	0.1
Nyctaloid	5C	0.2	NA	0.8	2.5	0.6	NA	0.5
Nyctaloid	6A	0.3	0.7	0.8	1.2	0.2	0.4	0.4
Nyctaloid	6B	NA	1.3	0.9	7.1	2.6	NA	4.0
Nyctaloid	6C	NA	0.4	1.2	0.6	0.6	3.8	NA
Nyctaloid	8A	NA	3.9	NA	1.5	5.2	NA	0.7
Nyctaloid	8B	NA	1.9	1.5	2.7	1.1	NA	2.5
Nyctaloid	8C	NA	3.9	NA	1.5	1.7	0.4	0.7
Nyctaloid	9A	5.6	0.9	0.8	2.3	NA	0.7	NA
Nyctaloid	9B	NA	NA	NA	NA	1.4	0.3	0.3
Nyctaloid	9C	0.6	0.8	1.6	0.9	NA	0.2	0.2
Long-eared bats	10A	NA	0.4	0.1	0.1	0.1	NA	0.2
Long-eared bats	10B	NA	0.2	NA	NA	NA	NA	NA
Long-eared bats	10C	NA	0.1	NA	NA	0.2	NA	NA
Long-eared bats	11C	NA	NA	0.3	NA	0.2	NA	NA
Long-eared bats	12C	NA	0.1	NA	NA	NA	NA	NA
Long-eared bats	9B	NA	NA	NA	0.1	NA	NA	NA
Myotis	10A	NA	9.6	0.1	0.4	4.9	NA	3.4
Myotis	10B	NA	1.4	NA	0.4	0.1	0.1	0.4
Myotis	10C	NA	0.9	NA	0.4	0.1	0.7	0.4
Myotis	11A	NA	0.6	0.7	0.5	0.4	0.9	6.1

Myotis	11B	NA	18.2	NA	1.1	2.2	NA	1.5
Myotis	11C	NA	0.2	0.4	NA	0.1	NA	0.1
Myotis	12A	NA	0.2	0.4	1.4	0.8	1.4	0.7
Myotis	12B	NA	3.0	0.5	1.3	2.9	0.3	0.4
Myotis	12C	NA	0.1	0.1	0.2	0.1	0.1	0.2
Myotis	13A	NA	0.1	NA	0.8	NA	0.1	0.1
Myotis	13B	NA	NA	NA	0.4	0.4	0.2	0.1
Myotis	13C	NA	NA	NA	0.4	0.4	0.2	0.1
Myotis	2A	0.1	0.2	0.1	0.3	0.3	0.2	0.2
Myotis	2B	0.1	0.8	0.3	0.2	0.1	0.3	0.2
Myotis	2C	0.2	0.9	0.1	0.6	0.2	0.2	0.1
Myotis	4A	0.2	0.5	0.1	NA	0.1	NA	NA
Myotis	4B	0.2	1.6	0.9	1.5	0.6	0.6	0.3
Myotis	4C	0.7	NA	0.7	NA	1.5	0.1	0.2
Myotis	5A	0.3	0.6	0.1	0.1	0.6	0.6	NA
Myotis	5B	0.4	0.7	0.8	0.2	0.2	0.1	0.1
Myotis	5C	1.7	0.1	0.5	0.1	0.6	0.3	1.1
Myotis	6A	NA	0.4	0.5	0.6	0.1	1.3	NA
Myotis	6B	NA	NA	0.3	0.3	0.6	2.0	NA
Myotis	6C	0.2	0.1	0.1	0.9	0.3	1.2	6.0
Myotis	8A	NA	0.2	NA	NA	1.3	0.1	1.3
Myotis	8B	NA	1.1	0.4	0.4	0.2	1.8	1.3
Myotis	8C	NA	0.2	NA	NA	0.2	0.4	1.3
Myotis	9A	0.3	1.5	0.8	0.1	0.1	0.3	NA
Myotis	9B	0.2	3.4	0.1	0.6	1.0	0.3	NA
Myotis	9C	0.1	2.0	0.3	0.4	0.1	0.3	NA
Barbastelle	10A	NA	0.1	0.1	0.4	1.1	NA	0.2
Barbastelle	10B	NA	0.1	NA	0.1	0.1	0.1	NA
Barbastelle	10C	NA	NA	NA	NA	0.1	0.1	NA
Barbastelle	11A	NA	0.1	0.3	0.1	NA	0.6	0.4
Barbastelle	11B	NA	0.2	NA	NA	0.2	NA	0.2
Barbastelle	11C	NA	NA	NA	0.1	NA	NA	0.1
Barbastelle	12A	NA	0.1	NA	NA	NA	0.1	NA
Barbastelle	12B	NA	0.1	NA	NA	0.1	0.1	NA
Barbastelle	12C	NA	0.2	NA	0.1	0.2	0.1	0.2
Barbastelle	13A	NA	0.1	NA	NA	NA	0.1	0.1

Barbastelle	13B	NA	NA	NA	0.6	0.2	0.2	0.1
Barbastelle	13C	NA	0.1	NA	0.2	NA	0.3	NA
Barbastelle	2A	0.1	NA	NA	0.3	NA	0.1	NA
Barbastelle	2B	0.1	0.5	NA	0.1	NA	0.4	0.2
Barbastelle	2C	NA	0.2	0.1	NA	0.1	NA	0.1
Barbastelle	4A	0.2	0.3	NA	NA	NA	NA	0.1
Barbastelle	4B	NA	0.2	NA	NA	NA	NA	0.2
Barbastelle	4C	0.1	NA	NA	0.4	0.3	NA	NA
Barbastelle	5A	NA	0.1	0.1	NA	0.2	0.6	NA
Barbastelle	5B	NA	0.2	NA	0.7	0.2	NA	NA
Barbastelle	5C	NA	NA	NA	0.2	0.1	0.4	NA
Barbastelle	6A	NA	NA	NA	NA	NA	0.2	NA
Barbastelle	6B	NA	0.2	NA	NA	0.4	0.3	NA
Barbastelle	6C	NA	NA	0.1	NA	NA	0.1	0.2
Barbastelle	8A	NA	0.2	0.1	NA	NA	NA	NA
Barbastelle	8B	NA	0.1	0.3	0.1	0.2	6.5	0.1
Barbastelle	8C	NA	0.2	0.1	NA	NA	0.2	NA
Barbastelle	9A	NA	0.1	NA	0.1	NA	0.1	NA
Barbastelle	9B	NA	NA	NA	0.1	NA	NA	NA
Barbastelle	9C	NA	NA	NA	NA	0.1	NA	NA
Greater horseshoe	10A	NA	0.1	NA	NA	0.2	NA	NA
Greater horseshoe	10B	NA	0.1	NA	NA	NA	NA	NA
Greater horseshoe	10C	NA	NA	NA	NA	NA	0.2	NA
Lesser horseshoe	10A	NA	0.2	0.2	0.1	0.5	0.1	1.0
Lesser horseshoe	10B	NA	0.2	0.1	NA	NA	0.1	0.1
Lesser horseshoe	10C	NA	0.1	NA	0.1	0.2	0.1	NA
Lesser horseshoe	4C	NA	NA	NA	NA	NA	0.1	NA
Lesser horseshoe	8A	NA	NA	NA	NA	NA	0.2	NA
Lesser horseshoe	9B	NA	NA	NA	0.1	NA	NA	NA

Nightly Bat Pass Rate for each Month

Mean per Detector

Table 21: The mean Nightly Pass Rate (bat passes per hour, per night) of each species throughout each month. Values are given to 1 decimal place.

We recommend using the median values given above, for the reasons stated above, but provide the mean values in the table below.

Species	Detector ID	Apr	May	Jun	Jul	Aug	Sep	Oct
Pipistrellus	10A	NA	NA	NA	NA	4.7	NA	9.6
Pipistrellus	10B	NA	2.4	15.8	3.0	NA	0.5	6.2
Pipistrellus	10C	NA	8.9	NA	NA	1.4	3.1	NA
Pipistrellus	11A	NA	17.2	45.1	7.5	NA	3.2	69.4
Pipistrellus	11B	NA	50.0	NA	NA	NA	NA	NA
Pipistrellus	11C	NA	8.4	NA	NA	NA	NA	NA
Pipistrellus	12A	NA	19.6	NA	29.5	NA	3.8	2.1
Pipistrellus	12B	NA	21.9	NA	6.7	25.1	NA	NA
Pipistrellus	12C	NA	20.4	NA	NA	NA	NA	3.4
Pipistrellus	13A	NA	6.3	9.2	5.0	NA	5.2	1.8
Pipistrellus	13B	NA	NA	NA	20.4	9.5	21.5	0.8
Pipistrellus	13C	NA	2.2	NA	NA	11.8	8.2	0.2
Pipistrellus	2A	20.8	32.9	39.8	NA	83.9	NA	NA
Pipistrellus	2B	NA	14.1	30.9	NA	NA	NA	NA
Pipistrellus	2C	NA	19.9	28.7	7.2	NA	4.2	NA
Pipistrellus	4A	NA	NA	6.3	NA	NA	NA	NA
Pipistrellus	4C	NA	NA	NA	21.6	0.6	NA	NA
Pipistrellus	5A	NA	NA	NA	0.5	NA	NA	NA
Pipistrellus	5B	NA	44.8	NA	16.7	14.0	2.2	NA
Pipistrellus	5C	9.5	1.0	1.7	NA	31.0	5.0	2.3
Pipistrellus	6A	NA	NA	NA	2.6	NA	NA	NA
Pipistrellus	6B	NA	NA	24.8	13.8	3.7	20.5	NA
Pipistrellus	6C	NA	NA	NA	NA	NA	33.9	12.1
Pipistrellus	8A	NA	13.1	19.0	20.2	41.6	NA	NA
Pipistrellus	8B	NA	32.8	16.6	7.8	7.4	23.3	NA
Pipistrellus	8C	NA	13.1	NA	20.2	23.5	NA	NA

Pipistrellus	9C	7.4	146.9	3.8	13.8	2.9	7.7	7.9
Common pipistrelle	10A	NA	4.0	49.8	5.8	2.7	0.3	1.8
Common pipistrelle	10B	NA	2.0	13.8	1.3	0.4	0.2	7.2
Common pipistrelle	10C	NA	8.1	NA	7.3	1.1	1.6	1.1
Common pipistrelle	11A	NA	12.3	51.8	6.1	5.7	2.1	29.3
Common pipistrelle	11B	NA	24.9	0.7	9.8	49.6	5.8	15.9
Common pipistrelle	11C	NA	8.8	13.4	16.7	24.8	5.8	0.3
Common pipistrelle	12A	NA	3.2	2.7	7.1	20.7	1.1	1.1
Common pipistrelle	12B	NA	7.5	5.9	3.6	13.9	0.9	3.0
Common pipistrelle	12C	NA	9.2	6.6	25.7	3.4	2.2	1.6
Common pipistrelle	13A	NA	4.4	3.2	5.5	0.4	3.9	0.6
Common pipistrelle	13B	NA	66.6	0.6	15.8	6.9	12.7	0.4
Common pipistrelle	13C	NA	0.9	0.6	2.2	10.4	6.3	0.2
Common pipistrelle	2A	12.5	8.4	33.3	44.6	25.6	2.1	0.9
Common pipistrelle	2B	0.8	7.1	10.7	1.3	1.1	2.0	18.5
Common pipistrelle	2C	13.7	24.9	22.4	10.6	10.4	2.6	1.0
Common pipistrelle	4A	0.9	5.5	1.4	0.3	4.5	1.8	0.2
Common pipistrelle	4B	0.9	1.9	NA	3.0	NA	0.4	NA
Common pipistrelle	4C	3.4	NA	NA	14.1	1.7	NA	0.2
Common pipistrelle	5A	0.9	3.4	1.2	0.2	1.9	3.3	0.2
Common pipistrelle	5B	6.3	23.6	3.9	9.8	NA	0.8	0.3
Common pipistrelle	5C	18.2	1.3	0.9	4.2	20.3	3.2	3.4
Common pipistrelle	6A	1.9	8.6	5.7	0.6	NA	6.4	NA
Common pipistrelle	6B	NA	1.9	9.7	9.1	2.1	12.3	NA
Common pipistrelle	6C	27.1	0.3	40.8	0.8	0.1	29.6	6.3
Common pipistrelle	8A	NA	15.0	16.5	17.3	32.5	1.2	5.1
Common pipistrelle	8B	NA	25.4	9.1	18.4	5.0	13.7	18.0
Common pipistrelle	8C	NA	15.0	14.5	17.3	18.8	2.1	5.1
Common pipistrelle	9A	2.7	0.8	0.1	0.1	0.1	NA	NA
Common pipistrelle	9B	2.5	1.8	19.1	0.1	1.5	NA	19.2
Common pipistrelle	9C	51.5	36.6	3.9	8.4	3.1	2.7	10.6
Soprano pipistrelle	10A	NA	1.0	0.4	0.5	1.7	0.2	7.4
Soprano pipistrelle	10B	NA	0.2	1.1	0.4	0.4	0.1	1.6
Soprano pipistrelle	10C	NA	0.6	NA	0.4	0.1	1.2	0.1
Soprano pipistrelle	11A	NA	NA	0.4	0.1	NA	NA	NA
Soprano pipistrelle	11B	NA	8.8	NA	4.8	10.2	0.8	NA

Soprano pipistrelle	11C	NA	1.4	0.6	0.2	0.3	0.8	NA
Soprano pipistrelle	12A	NA	NA	NA	NA	NA	5.5	NA
Soprano pipistrelle	12B	NA	NA	NA	NA	NA	2.5	NA
Soprano pipistrelle	12C	NA	NA	NA	NA	NA	1.0	NA
Soprano pipistrelle	13A	NA	NA	NA	NA	0.2	NA	NA
Soprano pipistrelle	2A	1.0	0.9	0.6	1.6	NA	NA	NA
Soprano pipistrelle	2B	0.3	NA	0.7	0.3	2.0	NA	NA
Soprano pipistrelle	2C	0.6	0.8	8.6	0.3	0.9	NA	NA
Soprano pipistrelle	4A	0.2	9.7	3.1	NA	1.3	NA	NA
Soprano pipistrelle	4B	0.3	0.7	NA	0.6	NA	0.1	NA
Soprano pipistrelle	4C	1.2	NA	1.1	0.9	NA	0.2	0.2
Soprano pipistrelle	5A	NA	0.1	0.3	NA	0.5	NA	NA
Soprano pipistrelle	5B	6.5	1.6	0.9	1.5	3.2	NA	NA
Soprano pipistrelle	5C	2.4	0.1	0.2	0.9	0.9	NA	NA
Soprano pipistrelle	6A	NA	0.5	NA	0.7	0.2	NA	NA
Soprano pipistrelle	6B	0.3	0.1	11.5	0.5	0.5	NA	NA
Soprano pipistrelle	6C	3.7	0.1	1.2	NA	NA	NA	NA
Soprano pipistrelle	8A	NA	1.9	1.6	1.3	3.1	1.3	2.0
Soprano pipistrelle	8B	NA	5.9	4.2	2.4	2.8	NA	15.2
Soprano pipistrelle	8C	NA	1.9	0.6	1.3	2.0	1.2	2.0
Soprano pipistrelle	9A	14.8	4.6	4.3	21.7	0.2	1.6	0.1
Soprano pipistrelle	9B	0.3	1.2	NA	NA	NA	0.1	18.7
Soprano pipistrelle	9C	16.4	NA	NA	1.1	NA	NA	NA
Nathusius’	10A	NA	NA	0.5	NA	NA	NA	0.1
Nathusius’	10B	NA	NA	NA	0.1	0.1	NA	NA
Nathusius’	10C	NA	0.2	NA	NA	NA	NA	NA
Nathusius’	11A	NA	0.1	0.4	NA	0.1	NA	NA
Nathusius’	11B	NA	NA	0.1	NA	NA	NA	NA
Nathusius’	11C	NA	0.1	0.3	0.1	NA	NA	NA
Nathusius’	12B	NA	0.1	NA	NA	NA	NA	NA
Nathusius’	12C	NA	NA	NA	NA	0.1	1.1	NA
Nathusius’	13A	NA	0.1	0.2	NA	NA	0.1	NA
Nathusius’	13B	NA	0.3	NA	NA	0.2	0.7	NA
Nathusius’	13C	NA	NA	NA	NA	NA	0.2	NA
Nathusius’	2A	NA	NA	5.5	NA	NA	NA	NA
Nathusius’	2B	NA	0.1	NA	0.1	NA	NA	0.1

Nathusius’	2C	0.3	NA	0.9	0.2	NA	NA	NA
Nathusius’	4A	NA	1.9	NA	0.1	NA	NA	NA
Nathusius’	5A	NA	NA	0.1	NA	0.1	0.1	NA
Nathusius’	5B	NA	0.1	NA	NA	NA	NA	NA
Nathusius’	5C	0.1	NA	NA	NA	0.1	0.3	NA
Nathusius’	6A	NA	NA	NA	NA	NA	0.1	NA
Nathusius’	6B	NA	0.1	NA	0.6	NA	NA	NA
Nathusius’	6C	NA	NA	0.1	NA	NA	NA	NA
Nathusius’	8A	NA	0.2	NA	NA	NA	NA	0.1
Nathusius’	8B	NA	NA	NA	NA	NA	0.2	NA
Nathusius’	8C	NA	0.2	0.8	NA	NA	NA	0.1
Noctule	10A	NA	1.2	2.0	1.9	1.9	0.1	0.2
Noctule	10B	NA	0.6	0.5	0.7	0.4	0.2	0.1
Noctule	10C	NA	2.8	NA	0.7	0.5	0.6	0.1
Noctule	11A	NA	0.2	2.3	0.5	NA	0.4	0.1
Noctule	11B	NA	0.8	NA	1.5	0.5	NA	0.2
Noctule	11C	NA	0.4	2.1	0.7	0.4	NA	0.1
Noctule	12A	NA	3.4	0.8	0.8	0.2	0.2	0.2
Noctule	12B	NA	1.4	0.8	0.2	0.3	0.2	1.0
Noctule	12C	NA	1.6	0.6	0.7	0.6	0.5	0.1
Noctule	13A	NA	1.7	1.8	2.8	0.3	0.8	0.2
Noctule	13B	NA	0.3	0.8	1.4	5.2	1.6	0.2
Noctule	13C	NA	1.6	0.8	1.7	3.7	1.8	0.1
Noctule	2A	2.2	2.9	1.6	1.1	0.1	0.1	0.1
Noctule	2B	1.7	4.2	1.2	0.5	NA	0.5	0.1
Noctule	2C	1.2	3.0	0.9	0.7	0.3	0.1	0.1
Noctule	4A	0.5	0.5	0.5	0.7	0.6	0.2	0.2
Noctule	4B	0.5	0.3	0.1	2.0	0.6	0.2	0.3
Noctule	4C	0.2	NA	0.4	2.0	0.5	0.1	0.2
Noctule	5A	0.3	0.3	1.1	NA	0.4	0.3	0.1
Noctule	5B	0.1	1.3	0.5	0.2	0.2	0.1	0.1
Noctule	5C	0.1	0.2	0.7	0.6	0.2	0.1	0.3
Noctule	6A	0.2	0.4	0.3	0.5	0.1	0.3	0.2
Noctule	6B	0.2	0.2	0.5	1.6	0.6	0.2	0.2
Noctule	6C	0.6	0.2	0.3	0.4	NA	0.8	0.1
Noctule	8A	NA	0.6	0.8	1.2	1.9	0.3	0.2

Noctule	8B	NA	1.5	0.6	1.9	0.3	1.0	0.6
Noctule	8C	NA	0.6	0.9	1.2	1.1	0.4	0.2
Noctule	9A	1.7	0.6	0.5	1.0	0.3	0.3	0.1
Noctule	9B	0.5	0.4	1.5	0.6	0.9	NA	0.2
Noctule	9C	0.1	0.2	0.4	1.1	0.2	0.1	0.2
Leisler's	10A	NA	0.3	0.6	0.1	NA	NA	NA
Leisler's	10B	NA	0.1	0.2	0.2	0.2	NA	NA
Leisler's	10C	NA	NA	NA	NA	NA	0.1	NA
Leisler's	11A	NA	NA	NA	NA	0.1	NA	NA
Leisler's	11B	NA	0.2	NA	NA	0.1	NA	NA
Leisler's	11C	NA	NA	NA	0.3	NA	NA	NA
Leisler's	12A	NA	0.2	NA	NA	NA	NA	NA
Leisler's	12B	NA	1.1	NA	NA	NA	NA	NA
Leisler's	12C	NA	NA	NA	0.2	0.1	0.1	NA
Leisler's	13A	NA	0.3	0.2	0.8	0.1	0.6	NA
Leisler's	13B	NA	0.1	0.3	0.2	1.1	0.7	0.1
Leisler's	13C	NA	0.3	0.4	0.4	NA	0.6	NA
Leisler's	2A	0.2	0.2	0.3	0.4	NA	NA	0.1
Leisler's	2B	0.1	6.6	NA	0.1	NA	NA	0.2
Leisler's	2C	0.5	0.1	NA	NA	NA	0.1	NA
Leisler's	4A	0.1	NA	NA	0.1	0.2	NA	NA
Leisler's	4B	0.2	0.1	NA	0.3	NA	NA	NA
Leisler's	4C	NA	NA	0.5	0.1	NA	NA	NA
Leisler's	5A	NA	NA	0.2	NA	NA	NA	NA
Leisler's	5B	0.1	0.1	NA	NA	NA	NA	NA
Leisler's	5C	NA	NA	NA	0.3	0.2	0.1	NA
Leisler's	6A	0.1	0.4	NA	NA	NA	NA	NA
Leisler's	6B	0.1	NA	NA	0.2	NA	0.2	NA
Leisler's	6C	NA	NA	NA	NA	NA	NA	3.5
Leisler's	8A	NA	0.1	0.6	NA	NA	NA	NA
Leisler's	8B	NA	0.1	NA	NA	NA	0.3	0.1
Leisler's	8C	NA	0.1	0.7	NA	0.2	NA	NA
Leisler's	9A	NA	0.1	NA	NA	NA	NA	NA
Leisler's	9B	0.1	NA	0.6	0.1	0.2	NA	NA
Nyctalus	12B	NA	NA	1.5	0.3	NA	NA	NA
Nyctalus	13A	NA	NA	NA	NA	NA	NA	0.4

Nyctalus	13C	NA	NA	NA	NA	4.9	NA	0.2
Serotine	10A	NA	0.4	1.2	0.5	1.4	0.1	0.9
Serotine	10B	NA	2.4	0.3	0.9	0.3	0.1	0.5
Serotine	10C	NA	0.5	NA	0.4	0.8	0.2	0.3
Serotine	11A	NA	0.2	1.4	0.2	0.1	0.2	1.0
Serotine	11B	NA	4.7	NA	0.5	1.1	0.3	0.5
Serotine	11C	NA	0.7	2.9	0.2	0.9	0.3	0.1
Serotine	12A	NA	0.8	0.3	0.4	0.1	0.4	0.1
Serotine	12B	NA	0.5	1.9	0.1	0.8	0.4	0.9
Serotine	12C	NA	0.6	0.4	0.1	0.1	0.1	0.1
Serotine	13A	NA	0.2	0.8	0.5	0.1	NA	NA
Serotine	13B	NA	0.1	0.4	0.2	0.9	0.4	0.1
Serotine	13C	NA	0.2	0.3	0.3	0.8	0.1	NA
Serotine	2A	0.3	0.3	NA	0.4	NA	NA	NA
Serotine	2B	0.3	14.8	0.2	0.3	0.1	NA	0.1
Serotine	2C	0.7	1.3	NA	0.5	0.7	NA	0.1
Serotine	4A	2.3	0.5	0.5	0.3	0.1	0.1	1.0
Serotine	4B	2.5	0.1	NA	1.1	0.1	1.8	0.4
Serotine	4C	0.5	NA	0.2	2.5	0.2	0.1	0.3
Serotine	5A	0.3	0.3	0.8	NA	0.5	0.4	0.1
Serotine	5B	0.1	1.4	0.7	0.2	0.3	0.2	0.1
Serotine	5C	NA	NA	0.5	1.6	0.2	0.2	0.3
Serotine	6A	0.1	0.1	0.4	NA	NA	0.3	0.2
Serotine	6B	NA	0.5	0.3	2.7	0.5	0.2	4.0
Serotine	6C	0.4	0.2	0.3	0.2	0.3	1.8	2.4
Serotine	8A	NA	1.4	0.3	0.3	0.6	0.2	0.4
Serotine	8B	NA	0.2	0.5	0.7	0.3	0.7	1.2
Serotine	8C	NA	1.4	0.1	0.3	0.4	0.2	0.4
Serotine	9A	1.4	1.4	0.1	0.6	0.2	0.1	NA
Serotine	9B	0.9	NA	1.0	0.2	0.5	0.2	0.1
Serotine	9C	0.3	0.4	0.6	2.5	0.2	NA	NA
Nyctaloid	10A	NA	2.4	2.5	3.0	3.5	0.3	1.2
Nyctaloid	10B	NA	3.0	NA	2.0	NA	0.4	0.5
Nyctaloid	10C	NA	3.1	NA	1.9	1.7	1.1	0.5
Nyctaloid	11A	NA	0.6	3.3	1.6	NA	1.0	1.2
Nyctaloid	11B	NA	6.4	NA	1.8	2.3	NA	0.8

Nyctaloid	11C	NA	1.3	5.3	NA	1.8	NA	0.3
Nyctaloid	12A	NA	NA	2.5	2.4	NA	1.1	0.4
Nyctaloid	12B	NA	NA	NA	NA	NA	0.6	2.2
Nyctaloid	12C	NA	NA	1.1	NA	NA	NA	0.3
Nyctaloid	13C	NA	NA	NA	NA	9.9	NA	NA
Nyctaloid	2A	3.2	4.2	2.1	2.3	NA	0.2	0.2
Nyctaloid	2B	NA	NA	1.7	1.1	NA	0.7	NA
Nyctaloid	2C	NA	4.7	1.2	1.1	1.5	NA	NA
Nyctaloid	4A	4.2	NA	1.7	1.2	1.0	NA	1.9
Nyctaloid	4B	3.7	0.5	0.4	5.5	0.5	1.1	0.2
Nyctaloid	4C	0.7	NA	NA	5.2	1.4	NA	0.1
Nyctaloid	5A	0.3	NA	2.2	NA	1.2	0.4	0.3
Nyctaloid	5B	0.4	3.1	1.6	0.4	1.3	0.3	0.1
Nyctaloid	5C	0.2	NA	1.3	3.1	0.8	NA	0.8
Nyctaloid	6A	0.5	0.7	0.9	1.2	0.2	0.7	0.4
Nyctaloid	6B	NA	1.3	1.2	6.0	2.6	NA	5.3
Nyctaloid	6C	NA	0.4	1.2	0.6	0.5	3.9	NA
Nyctaloid	8A	NA	3.9	NA	1.9	4.7	NA	0.7
Nyctaloid	8B	NA	2.1	2.3	3.1	1.1	NA	2.3
Nyctaloid	8C	NA	3.9	NA	1.9	1.9	0.4	0.7
Nyctaloid	9A	5.6	1.7	0.8	2.3	NA	0.7	NA
Nyctaloid	9B	NA	NA	NA	NA	1.4	0.3	0.3
Nyctaloid	9C	0.6	0.8	1.5	1.9	NA	0.2	0.2
Long-eared bats	10A	NA	0.4	0.1	0.1	0.2	NA	0.2
Long-eared bats	10B	NA	0.2	NA	NA	NA	NA	NA
Long-eared bats	10C	NA	0.2	NA	NA	0.3	NA	NA
Long-eared bats	11C	NA	NA	0.3	NA	0.2	NA	NA
Long-eared bats	12C	NA	0.1	NA	NA	NA	NA	NA
Long-eared bats	9B	NA	NA	NA	0.1	NA	NA	NA
Myotis	10A	NA	18.1	0.2	4.6	4.6	NA	3.4
Myotis	10B	NA	1.3	NA	0.7	0.4	0.1	0.6
Myotis	10C	NA	0.8	NA	0.4	0.1	0.6	0.5
Myotis	11A	NA	0.7	0.6	0.5	0.3	1.0	10.5
Myotis	11B	NA	14.0	NA	1.7	2.2	NA	1.5
Myotis	11C	NA	0.3	0.4	NA	0.1	NA	0.1
Myotis	12A	NA	0.4	0.6	1.5	1.3	1.9	0.7

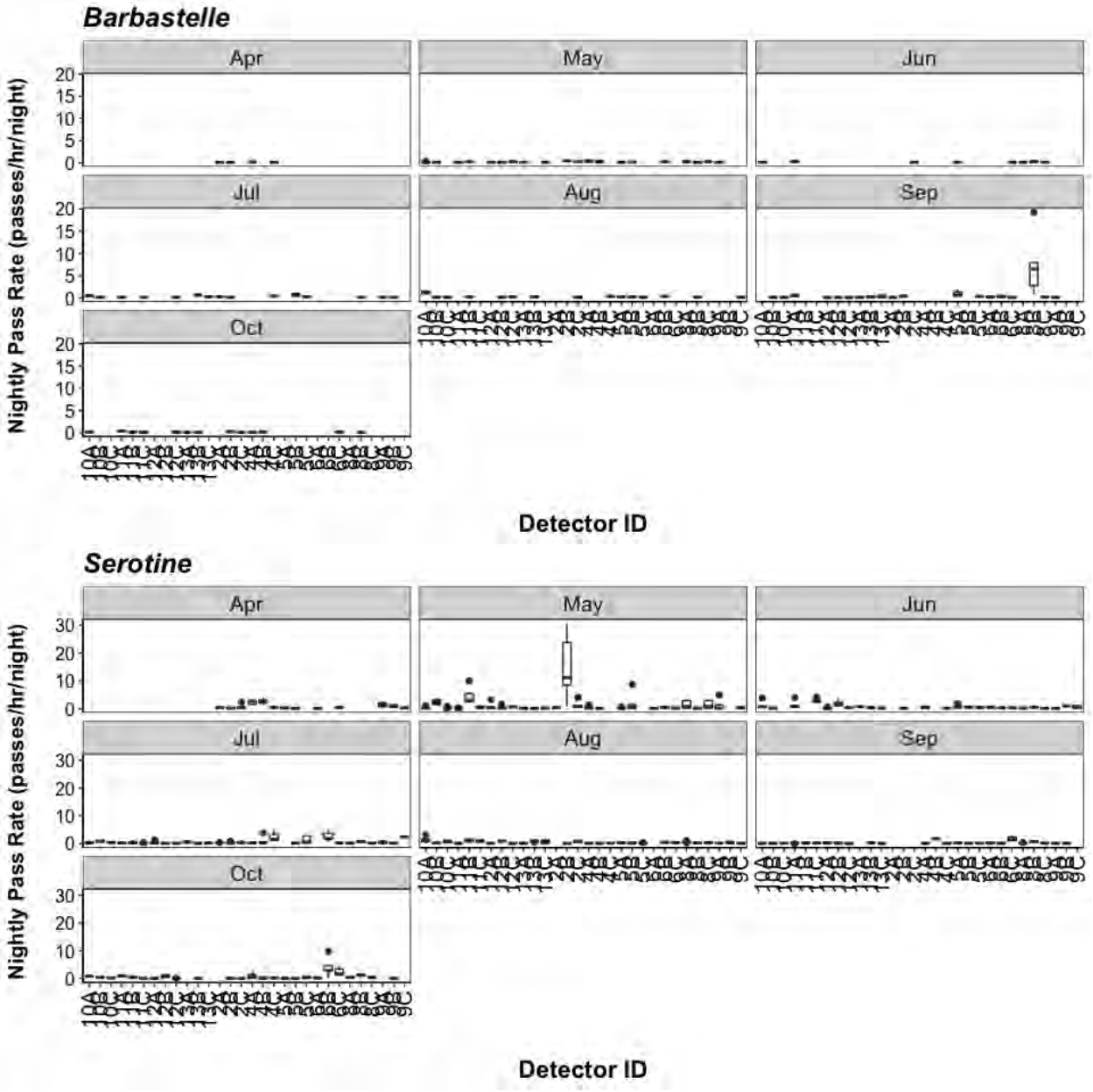
Myotis	12B	NA	2.9	0.6	1.3	2.9	0.8	0.5
Myotis	12C	NA	0.1	0.2	0.3	0.1	0.1	0.6
Myotis	13A	NA	0.1	NA	1.2	NA	0.1	0.1
Myotis	13B	NA	NA	NA	0.4	0.7	0.2	0.1
Myotis	13C	NA	NA	NA	0.4	0.4	0.2	0.1
Myotis	2A	0.2	0.2	0.4	0.3	0.3	0.2	0.3
Myotis	2B	0.2	0.9	0.4	0.6	0.1	0.3	0.4
Myotis	2C	0.4	0.9	0.1	0.9	0.3	0.2	0.1
Myotis	4A	0.2	0.5	0.1	NA	0.1	NA	NA
Myotis	4B	0.2	1.9	2.0	2.1	1.0	0.7	0.8
Myotis	4C	1.1	NA	1.4	NA	1.5	0.2	0.2
Myotis	5A	0.4	0.7	0.1	0.1	0.7	0.8	NA
Myotis	5B	0.7	0.7	1.1	0.3	0.8	0.1	0.1
Myotis	5C	1.7	0.3	0.7	0.2	0.6	0.6	1.2
Myotis	6A	NA	0.5	0.5	0.5	0.1	1.4	NA
Myotis	6B	NA	NA	0.4	0.4	0.7	2.4	NA
Myotis	6C	16.5	0.1	0.1	1.8	0.3	1.5	5.7
Myotis	8A	NA	0.2	NA	NA	1.3	0.2	1.3
Myotis	8B	NA	1.0	0.6	0.5	0.3	1.7	1.6
Myotis	8C	NA	0.2	NA	NA	0.2	0.4	1.3
Myotis	9A	0.4	1.9	0.8	0.4	0.1	0.3	NA
Myotis	9B	0.2	7.3	0.1	0.5	0.9	0.2	NA
Myotis	9C	1.3	1.6	0.3	0.5	0.1	0.3	NA
Barbastelle	10A	NA	0.2	0.2	0.4	1.2	NA	0.2
Barbastelle	10B	NA	0.1	NA	0.1	0.2	0.1	NA
Barbastelle	10C	NA	NA	NA	NA	0.1	0.1	NA
Barbastelle	11A	NA	0.1	0.3	0.1	NA	0.5	0.4
Barbastelle	11B	NA	0.2	NA	NA	0.3	NA	0.2
Barbastelle	11C	NA	NA	NA	0.1	NA	NA	0.2
Barbastelle	12A	NA	0.1	NA	NA	NA	0.1	NA
Barbastelle	12B	NA	0.1	NA	NA	0.1	0.1	NA
Barbastelle	12C	NA	0.2	NA	0.1	0.2	0.1	0.2
Barbastelle	13A	NA	0.1	NA	NA	NA	0.1	0.1
Barbastelle	13B	NA	NA	NA	0.6	0.2	0.2	0.1
Barbastelle	13C	NA	0.1	NA	0.2	NA	0.3	NA
Barbastelle	2A	0.1	NA	NA	0.3	NA	0.1	NA

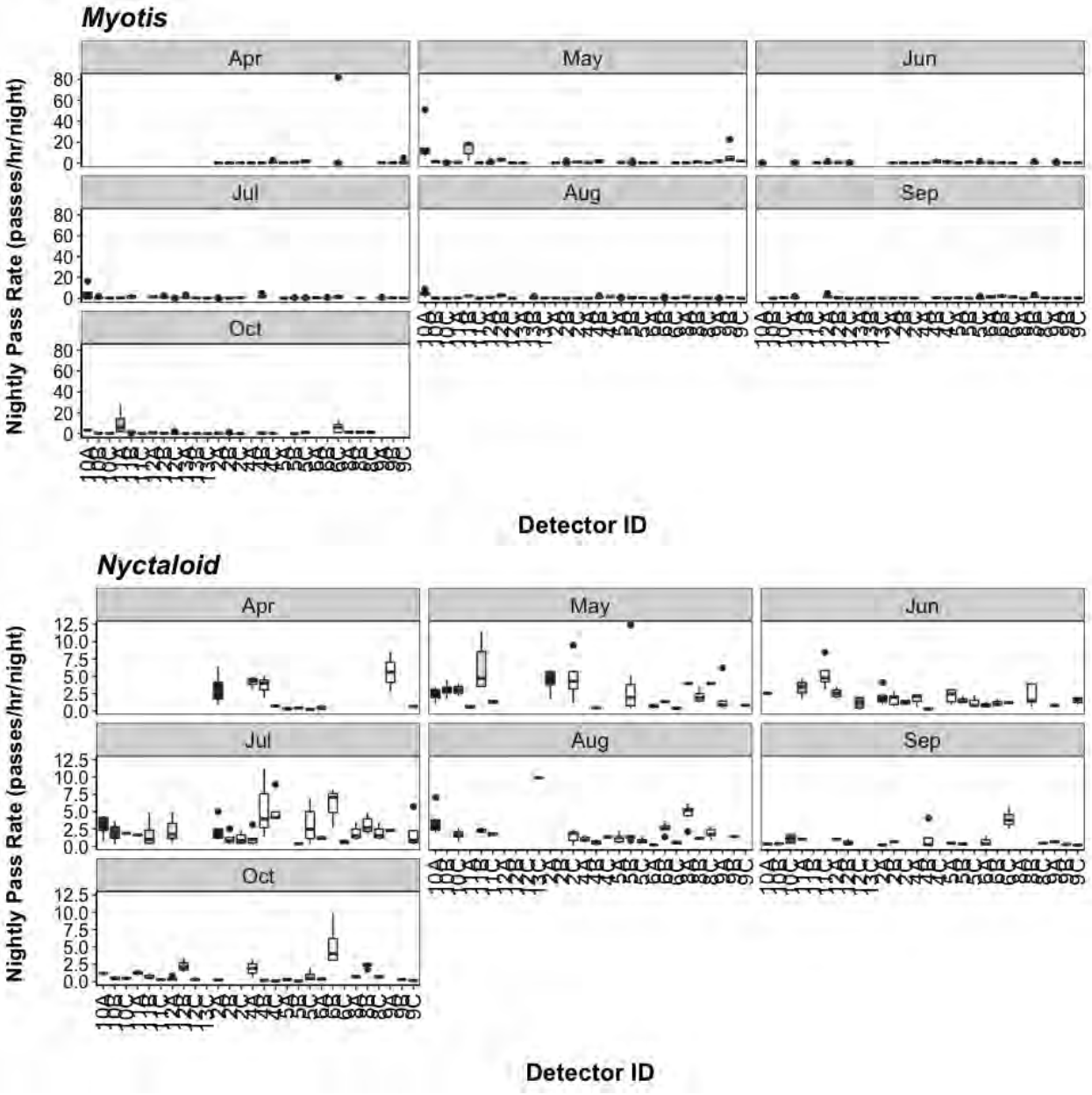
Barbastelle	2B	0.1	0.4	NA	0.1	NA	0.4	0.2
Barbastelle	2C	NA	0.2	0.1	NA	0.1	NA	0.1
Barbastelle	4A	0.2	0.4	NA	NA	NA	NA	0.1
Barbastelle	4B	NA	0.3	NA	NA	NA	NA	0.1
Barbastelle	4C	0.1	NA	NA	0.4	0.3	NA	NA
Barbastelle	5A	NA	0.2	0.1	NA	0.2	1.0	NA
Barbastelle	5B	NA	0.2	NA	0.7	0.2	NA	NA
Barbastelle	5C	NA	NA	NA	0.2	0.1	0.4	NA
Barbastelle	6A	NA	NA	NA	NA	NA	0.2	NA
Barbastelle	6B	NA	0.2	NA	NA	0.4	0.3	NA
Barbastelle	6C	NA	NA	0.1	NA	NA	0.1	0.2
Barbastelle	8A	NA	0.2	0.1	NA	NA	NA	NA
Barbastelle	8B	NA	0.1	0.3	0.1	0.2	7.4	0.1
Barbastelle	8C	NA	0.2	0.1	NA	NA	0.2	NA
Barbastelle	9A	NA	0.2	NA	0.1	NA	0.1	NA
Barbastelle	9B	NA	NA	NA	0.1	NA	NA	NA
Barbastelle	9C	NA	NA	NA	NA	0.1	NA	NA
Greater horseshoe	10A	NA	0.2	NA	NA	0.2	NA	NA
Greater horseshoe	10B	NA	0.1	NA	NA	NA	NA	NA
Greater horseshoe	10C	NA	NA	NA	NA	NA	0.2	NA
Lesser horseshoe	10A	NA	0.2	0.2	0.1	0.6	0.1	1.0
Lesser horseshoe	10B	NA	0.4	0.1	NA	NA	0.1	0.1
Lesser horseshoe	10C	NA	0.1	NA	0.1	0.2	0.1	NA
Lesser horseshoe	4C	NA	NA	NA	NA	NA	0.1	NA
Lesser horseshoe	8A	NA	NA	NA	NA	NA	0.2	NA
Lesser horseshoe	9B	NA	NA	NA	0.1	NA	NA	NA

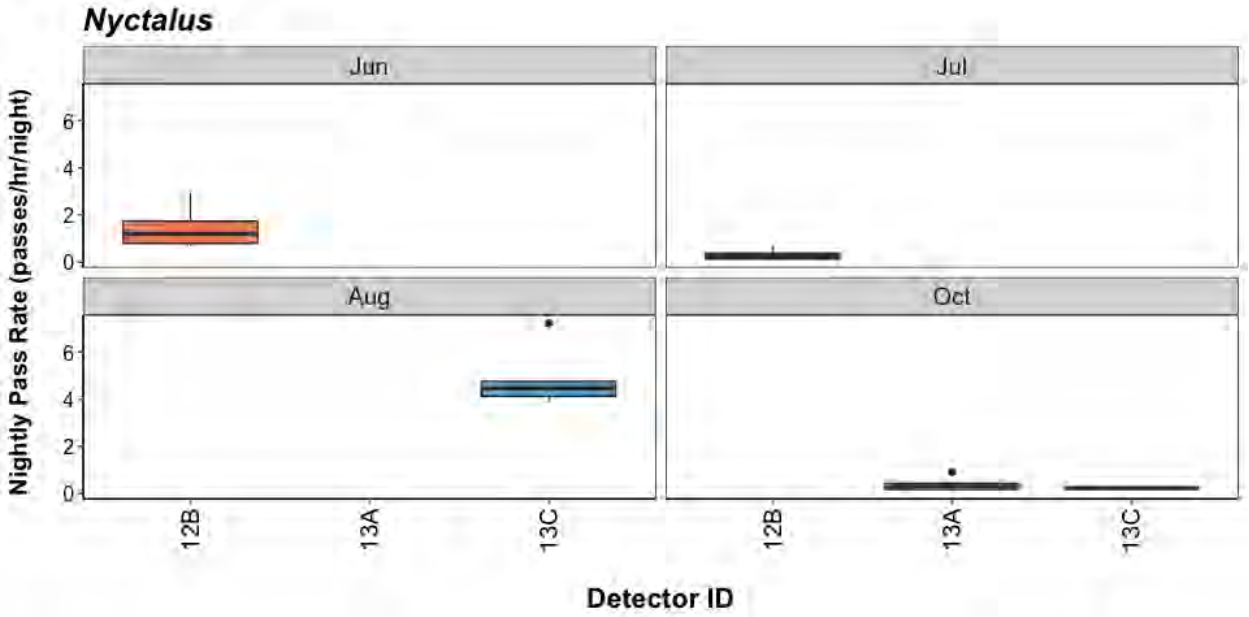
Nightly Bat Pass Rate for each Month

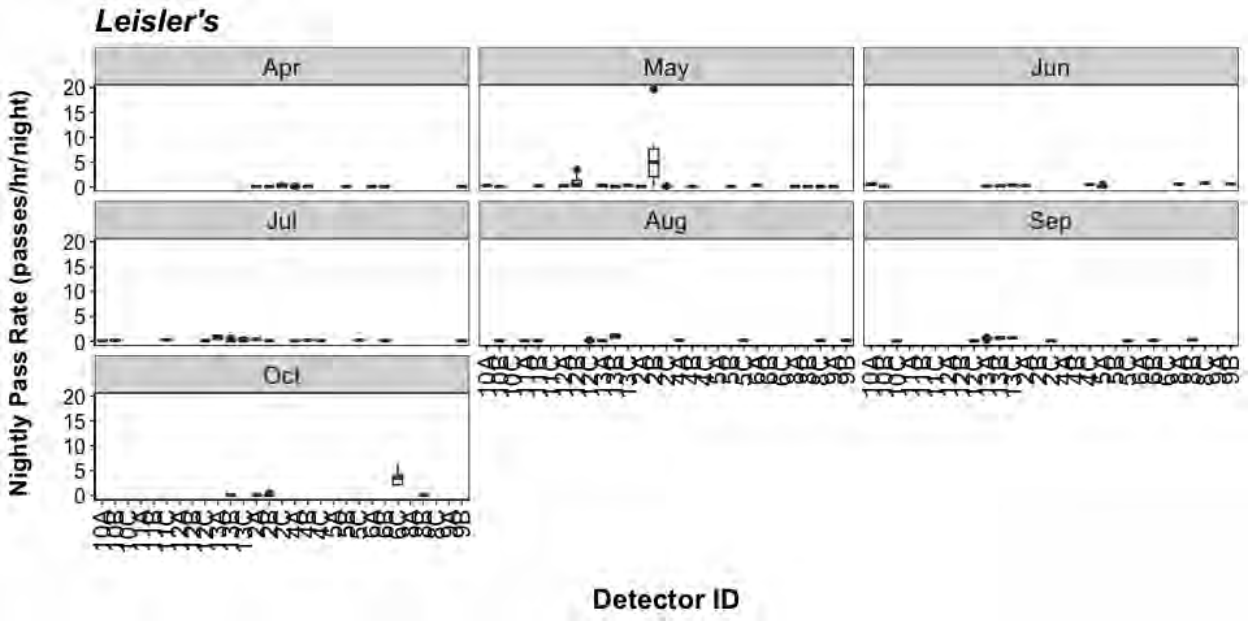
Per Detector - Figures

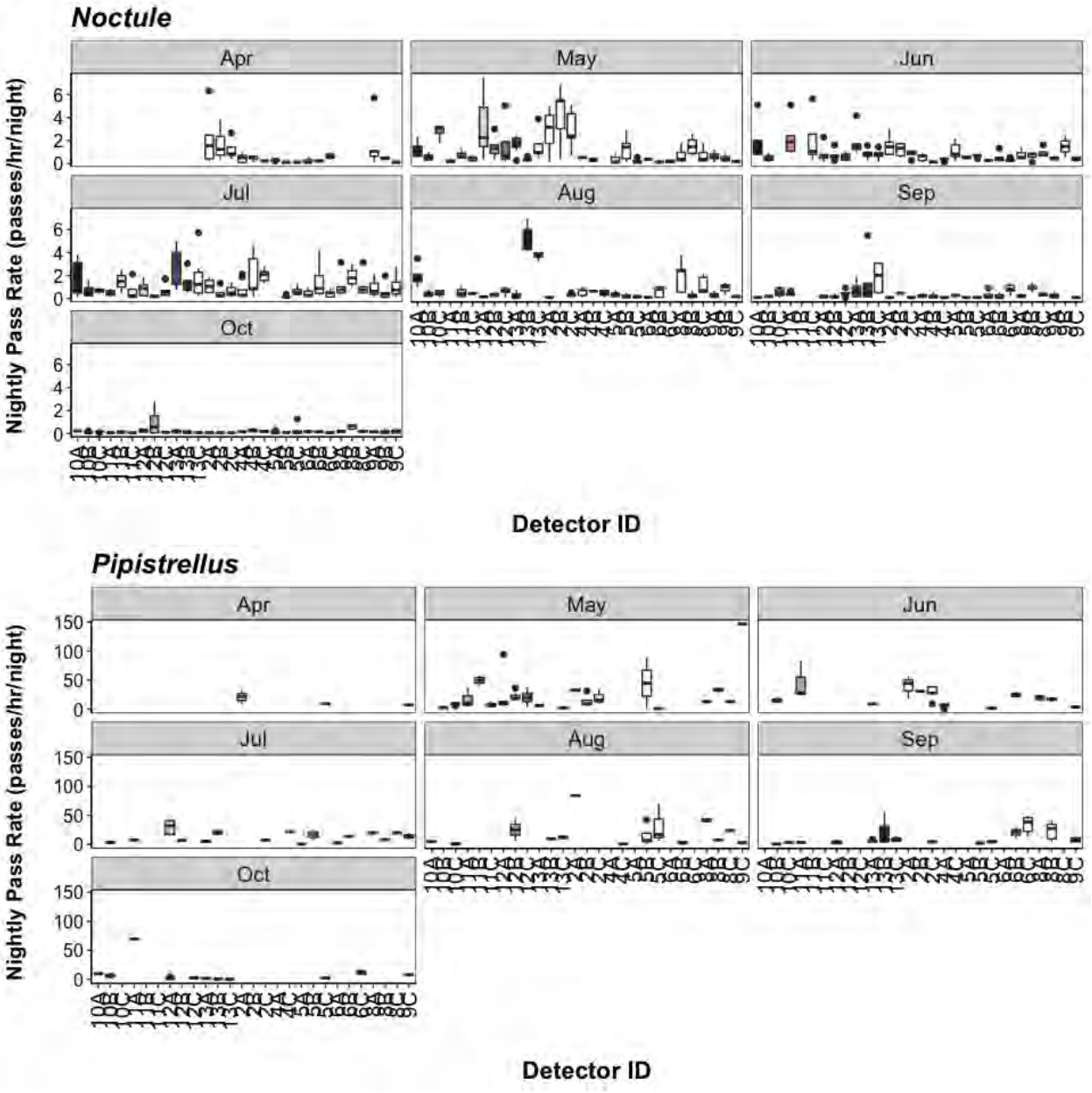
Figure 12. Figures show boxplots for the number of bat passes per hour by detector, for each month. The 'box' shows the interquartile range, which is where the middle 50% of the data lie. The line dividing the box is the median, the mid-point of the data. The 'whiskers' extend from the box and represent the ranges for the bottom 25% and the top 25% of the data values, excluding outliers. An outlier is any extreme value that lies further away from the box than 1.5 times the interquartile range. Outliers are shown as dots. Where very few passes are recorded it is not possible to produce the box, so the data are shown as a line.

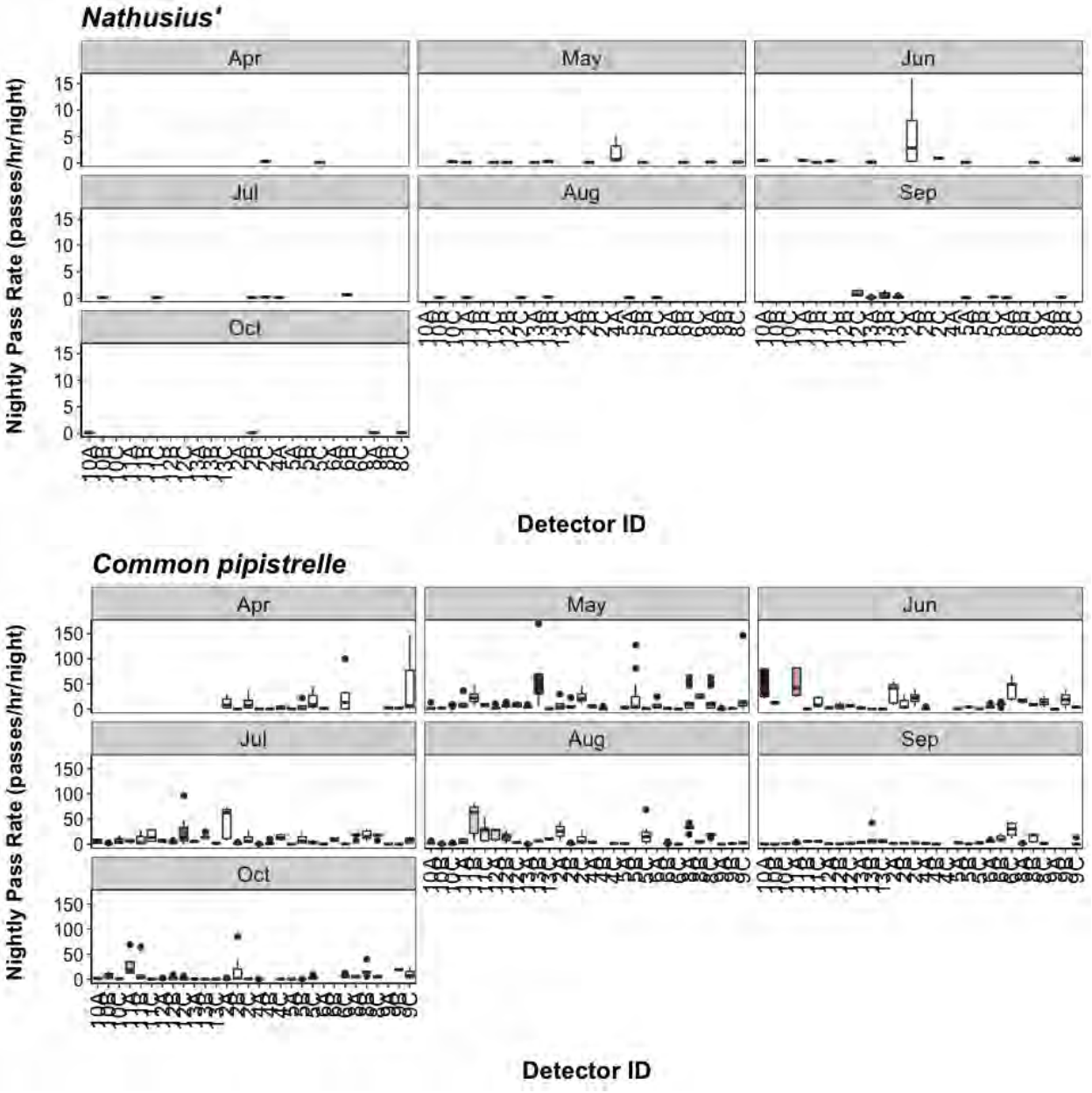

Barbastelle
Apr
May
Jun
Jul
Aug
Sep
Oct
Nightly Pass Rate (passes/hr/night)
0
5
10
15
20
Detector ID
Serotine
Apr
May
Jun
Jul
Aug
Sep
Oct
Nightly Pass Rate (passes/hr/night)
0
10
20
30
Detector ID

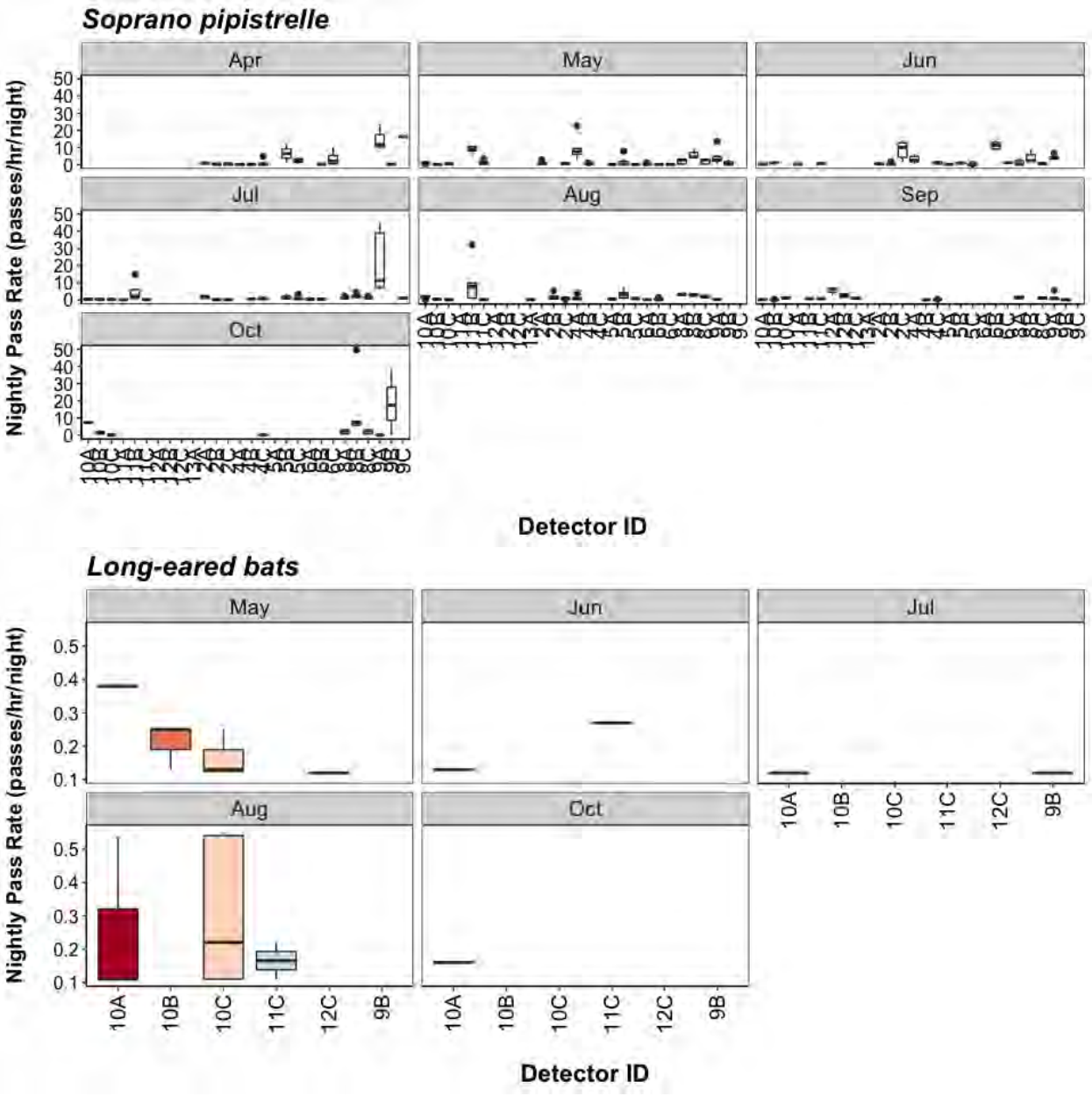

Myotis
Apr
May
Jun
Jul
Aug
Sep
Oct
Nightly Pass Rate (passes/hr/night)
0
20
40
60
80
Detector ID
Nyctaloid
Apr
May
Jun
Jul
Aug
Sep
Oct
Nightly Pass Rate (passes/hr/night)
0.0
2.5
5.0
7.5
10.0
12.5
Detector ID

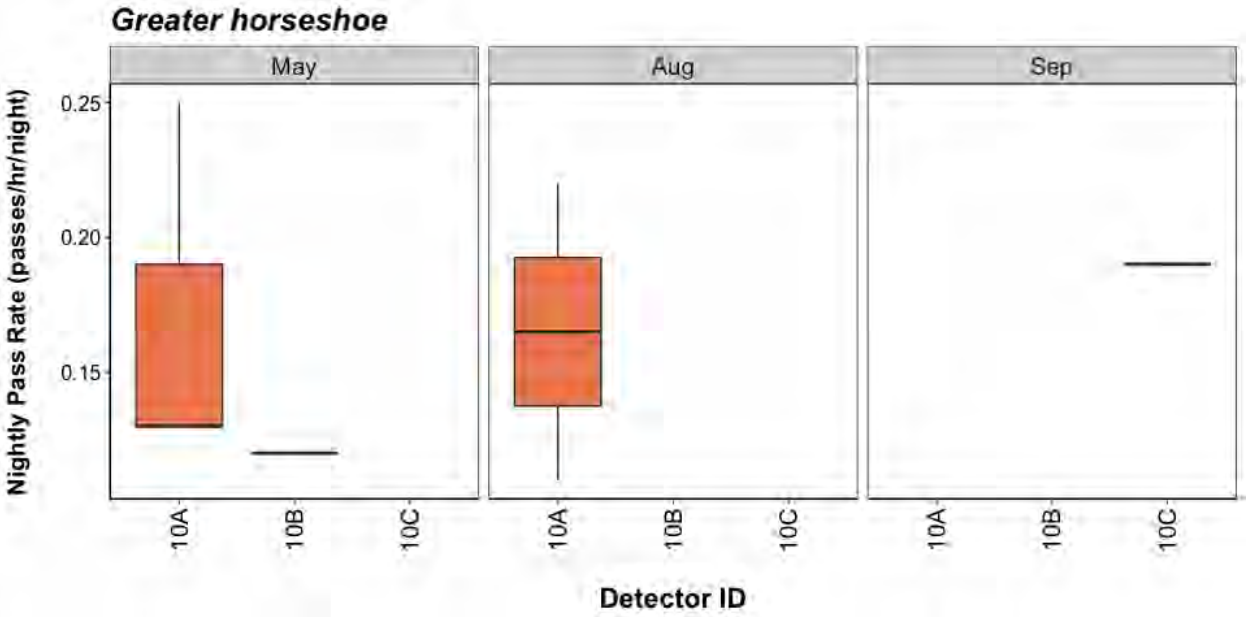

Nyctalus
Jun
Jul
Aug
Oct
Nightly Pass Rate (passes/hr/night)
0
2
4
6
12B
13A
13C
Detector ID

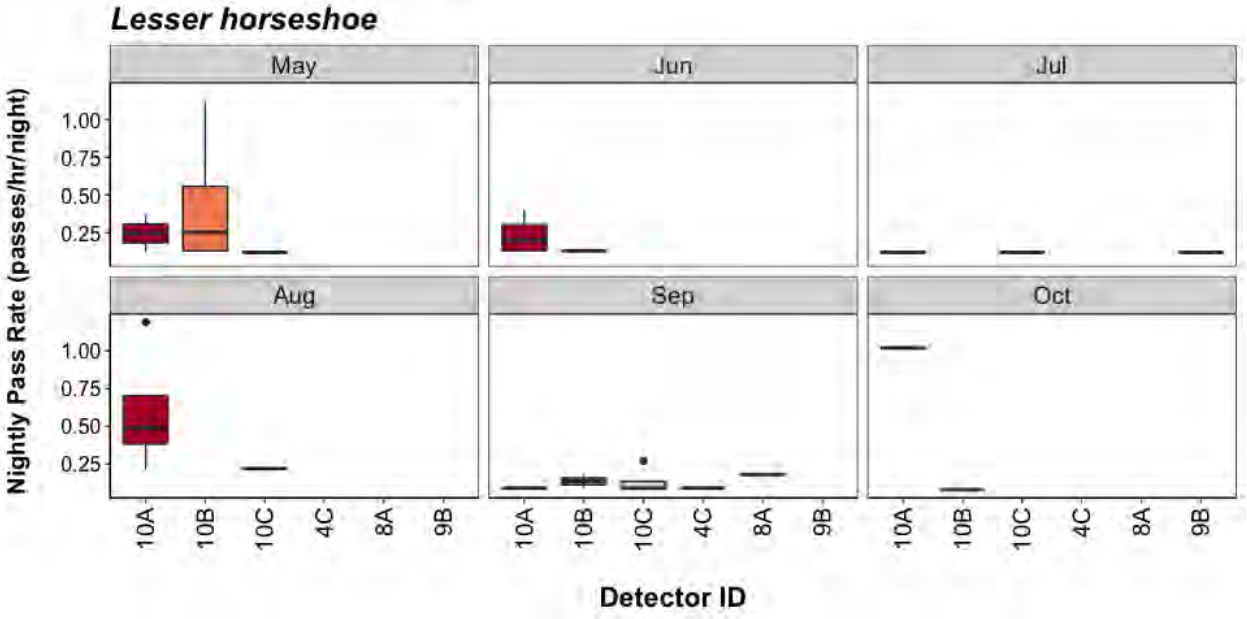

Leisler's
Apr
May
Jun
Jul
Aug
Sep
Oct
Nightly Pass Rate (passes/hr/night)
0
5
10
15
20
Detector ID


Noctule
Apr
May
Jun
Jul
Aug
Sep
Oct
Nightly Pass Rate (passes/hr/night)
0
2
4
6
Detector ID
Pipistrellus
Apr
May
Jun
Jul
Aug
Sep
Oct
Nightly Pass Rate (passes/hr/night)
0
50
100
150
Detector ID


Nathusius'
Apr
May
Jun
Jul
Aug
Sep
Oct
Nightly Pass Rate (passes/hr/night)
0
5
10
15
Detector ID
Common pipistrelle
Apr
May
Jun
Jul
Aug
Sep
Oct
Nightly Pass Rate (passes/hr/night)
0
50
100
150
Detector ID


Soprano pipistrelle
Apr
May
Jun
Jul
Aug
Sep
Oct
Nightly Pass Rate (passes/hr/night)
Detector ID
Long-eared bats
May
Jun
Jul
Aug
Oct
Nightly Pass Rate (passes/hr/night)
10A
10B
10C
11C
12C
9B
Detector ID


Greater horseshoe
May
Aug
Sep
Nightly Pass Rate (passes/hr/night)
0.25
0.20
0.15
10A
10B
10C
Detector ID


Lesser horseshoe
May
Jun
Jul
Aug
Sep
Oct
Nightly Pass Rate (passes/hr/night)
1.00
0.75
0.50
0.25
10A
10B
10C
4C
8A
9B
Detector ID

Bat Activity per Detector Location

Figure 13. Detector ID reference:

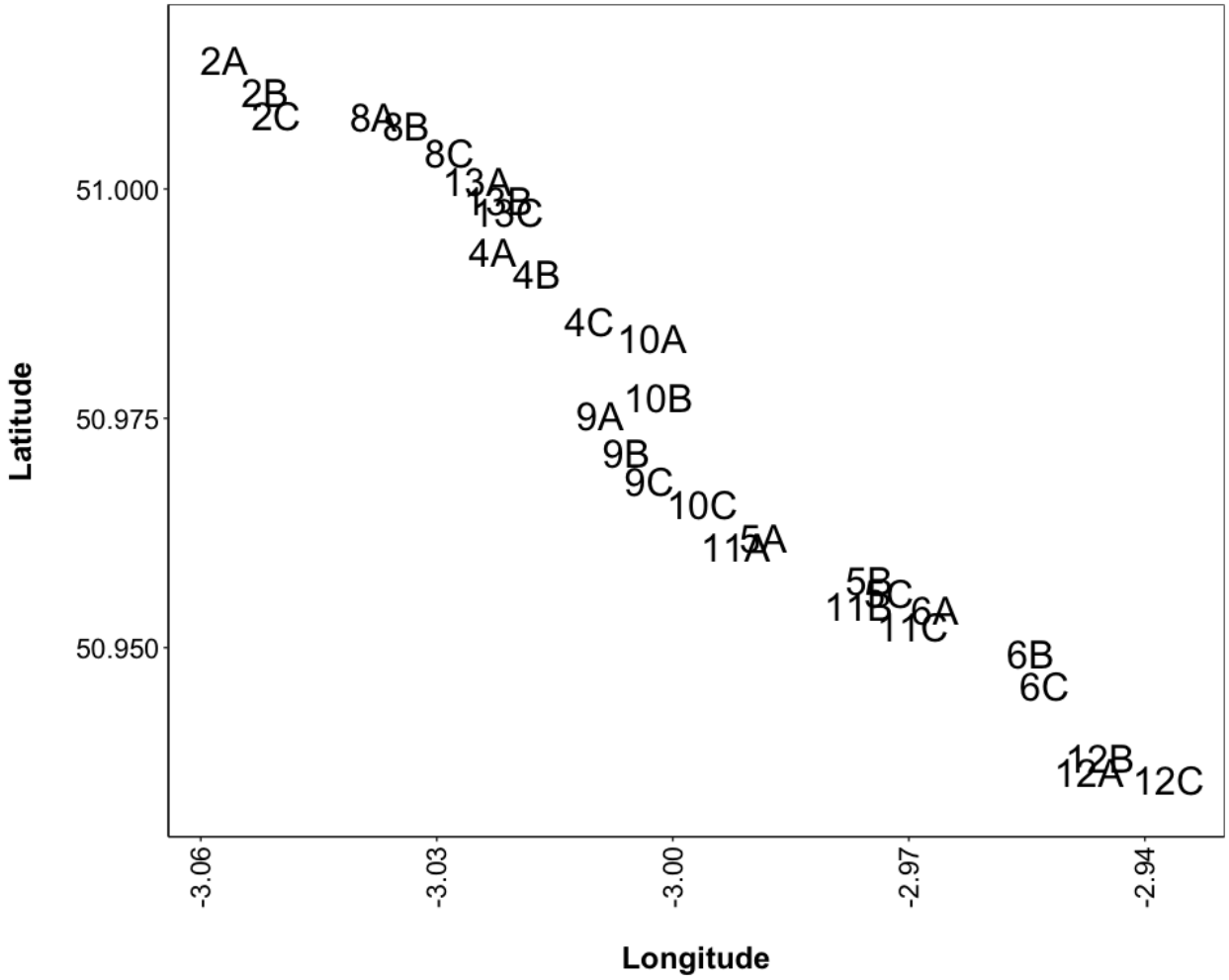
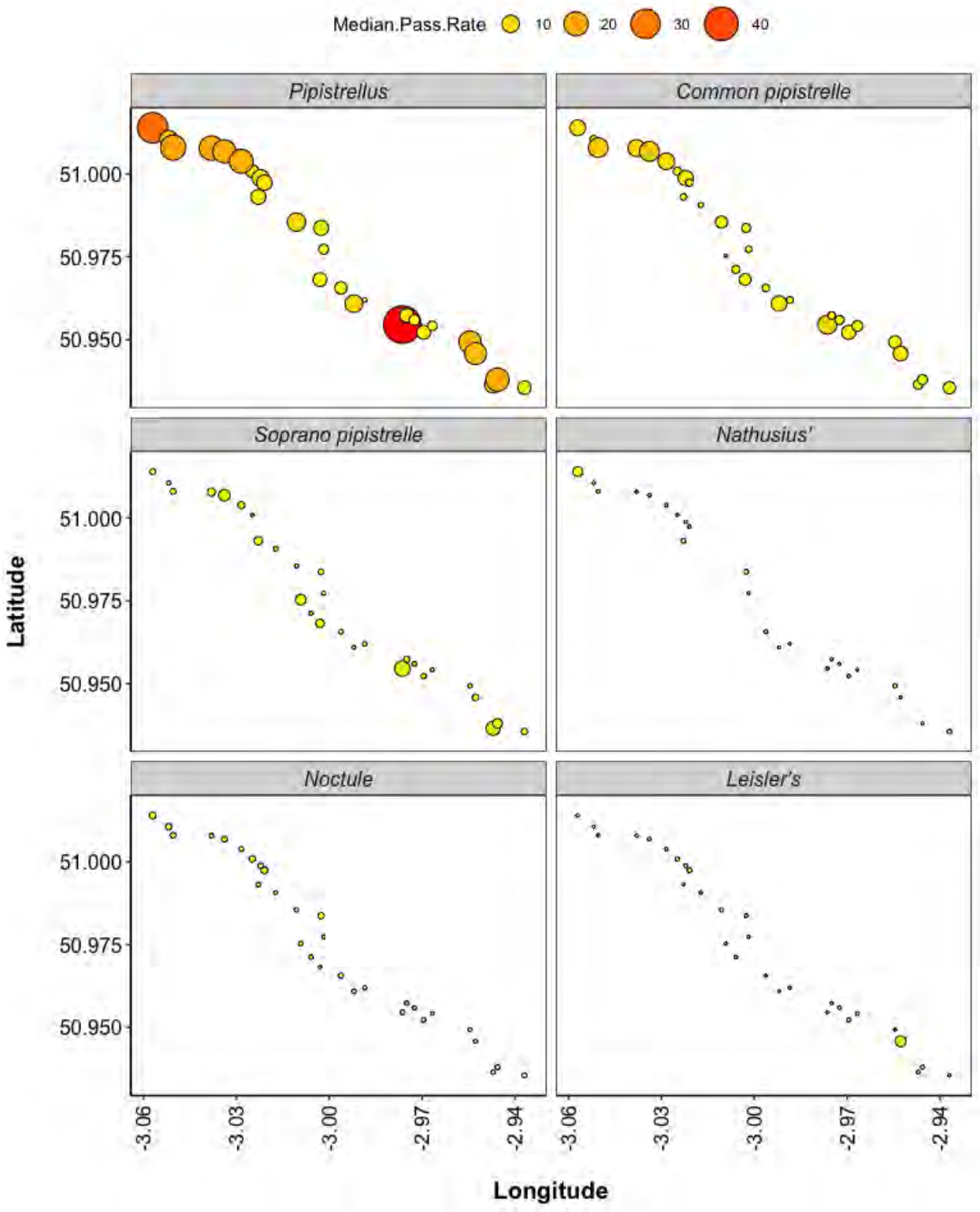
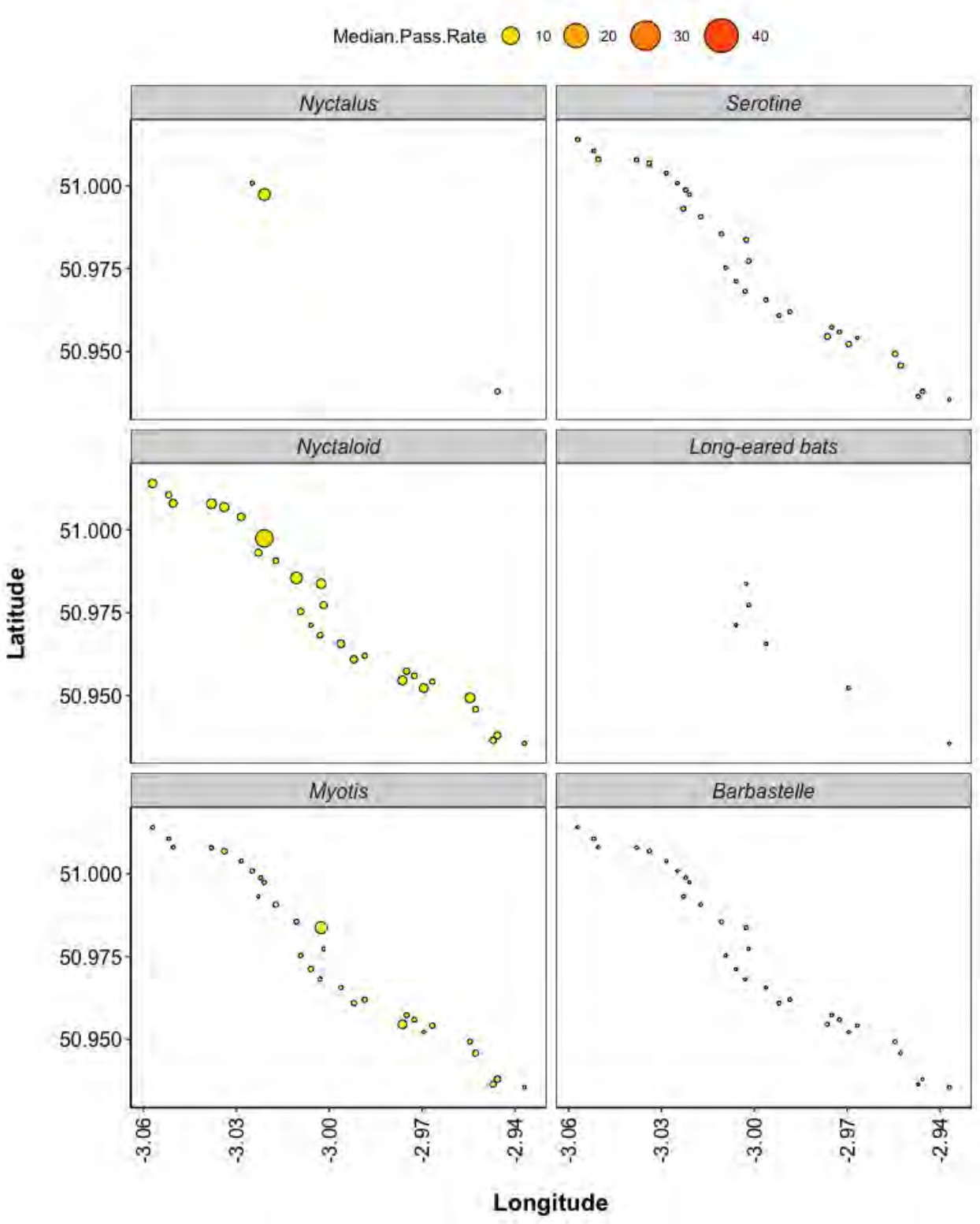


Figure 14. Median Nightly Pass Rate (bat passes/hr/night) throughout the survey period - represented by the size and colour of the point at each detector location.


Median.Pass.Rate
10
20
30
40
Pipistrellus
Common pipistrelle
Soprano pipistrelle
Nathusius'
Noctule
Leisler's
51.000
50.975
50.950
Latitude
-3.06
-3.03
-3.00
-2.97
-2.94
Longitude


Median.Pass.Rate
10
20
30
40
Nyctalus
Serotine
Nyctaloid
Long-eared bats
Myotis
Barbastelle
51.000
50.975
50.950
-3.06
-3.03
-3.00
-2.97
-2.94
Latitude
Longitude

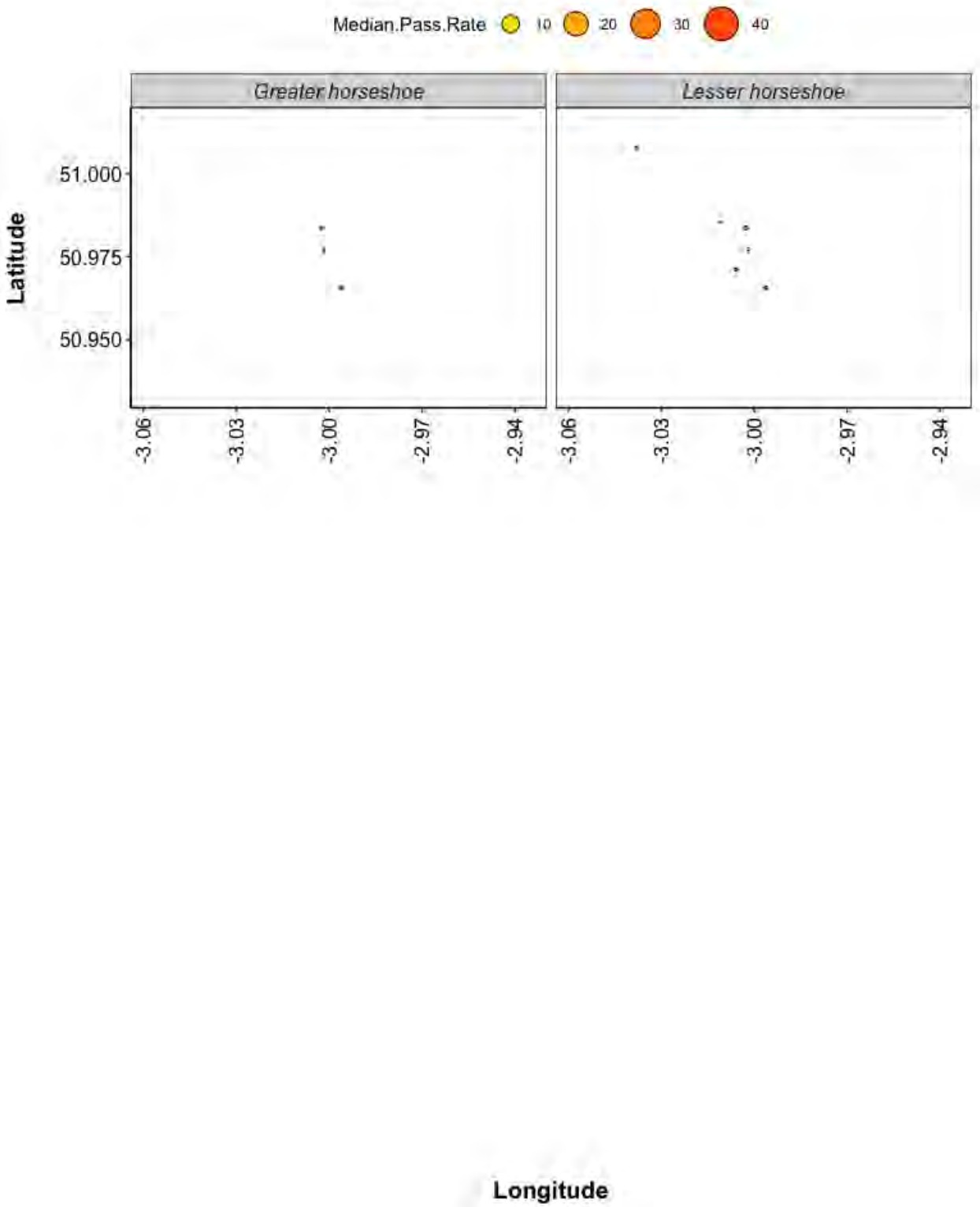
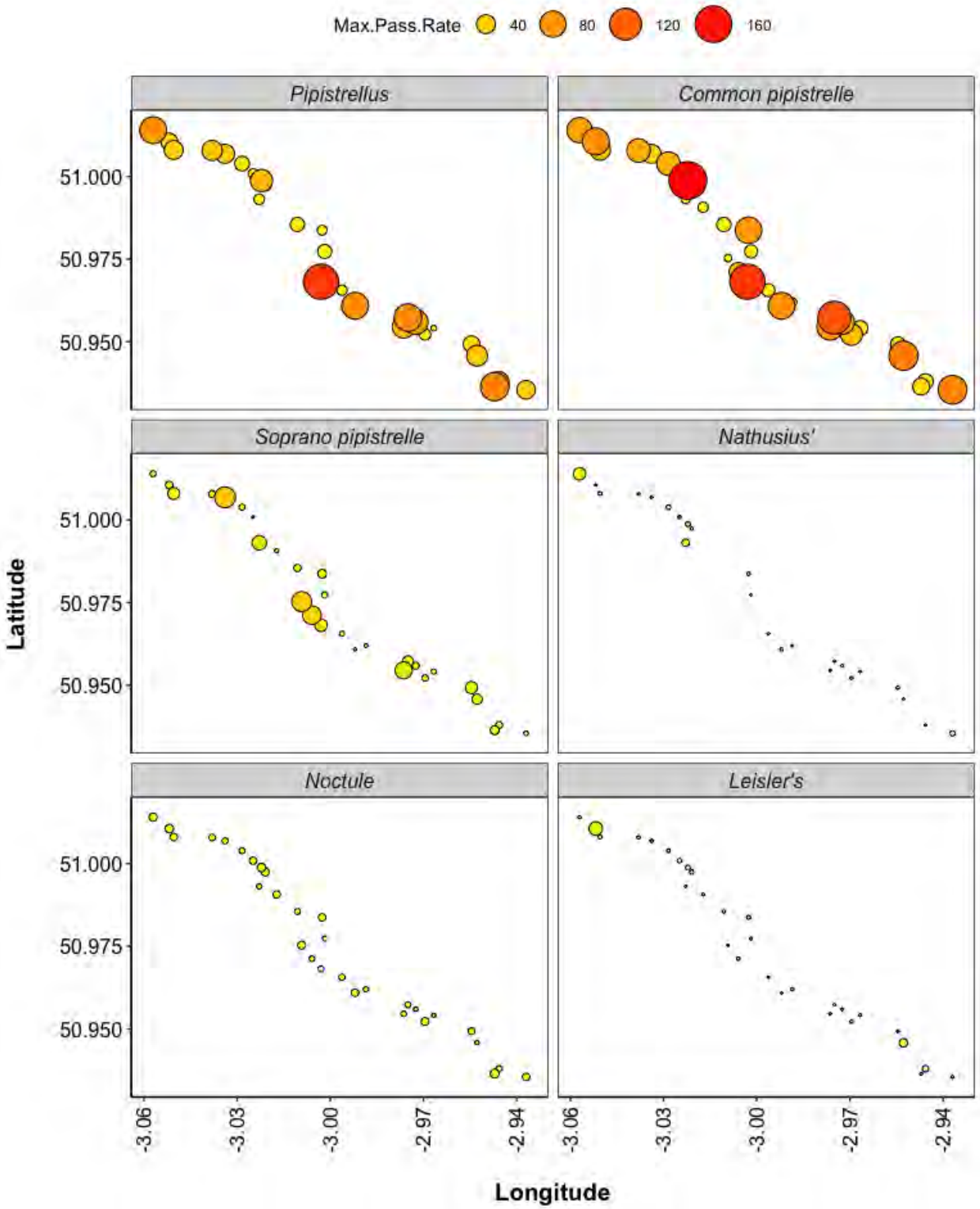
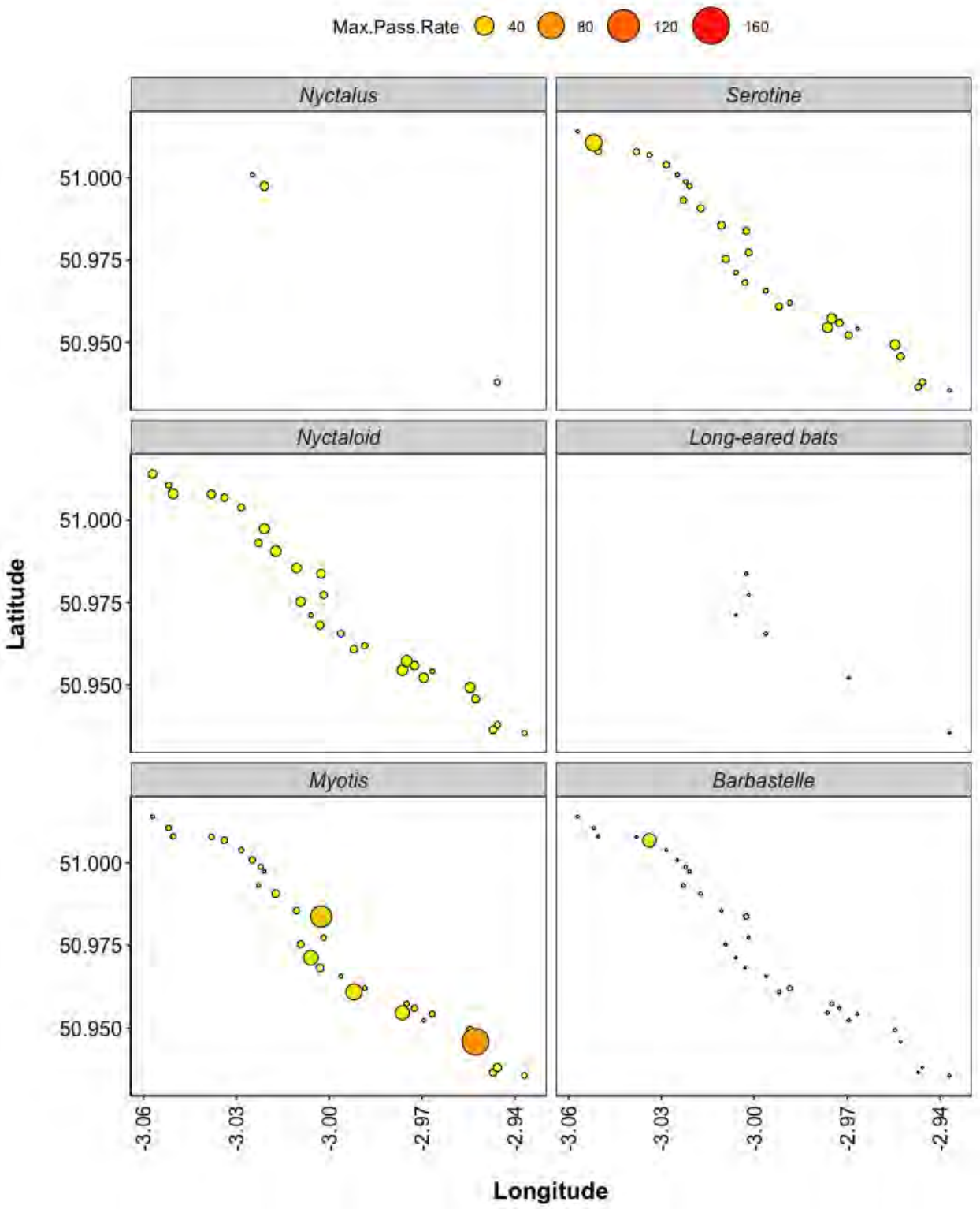
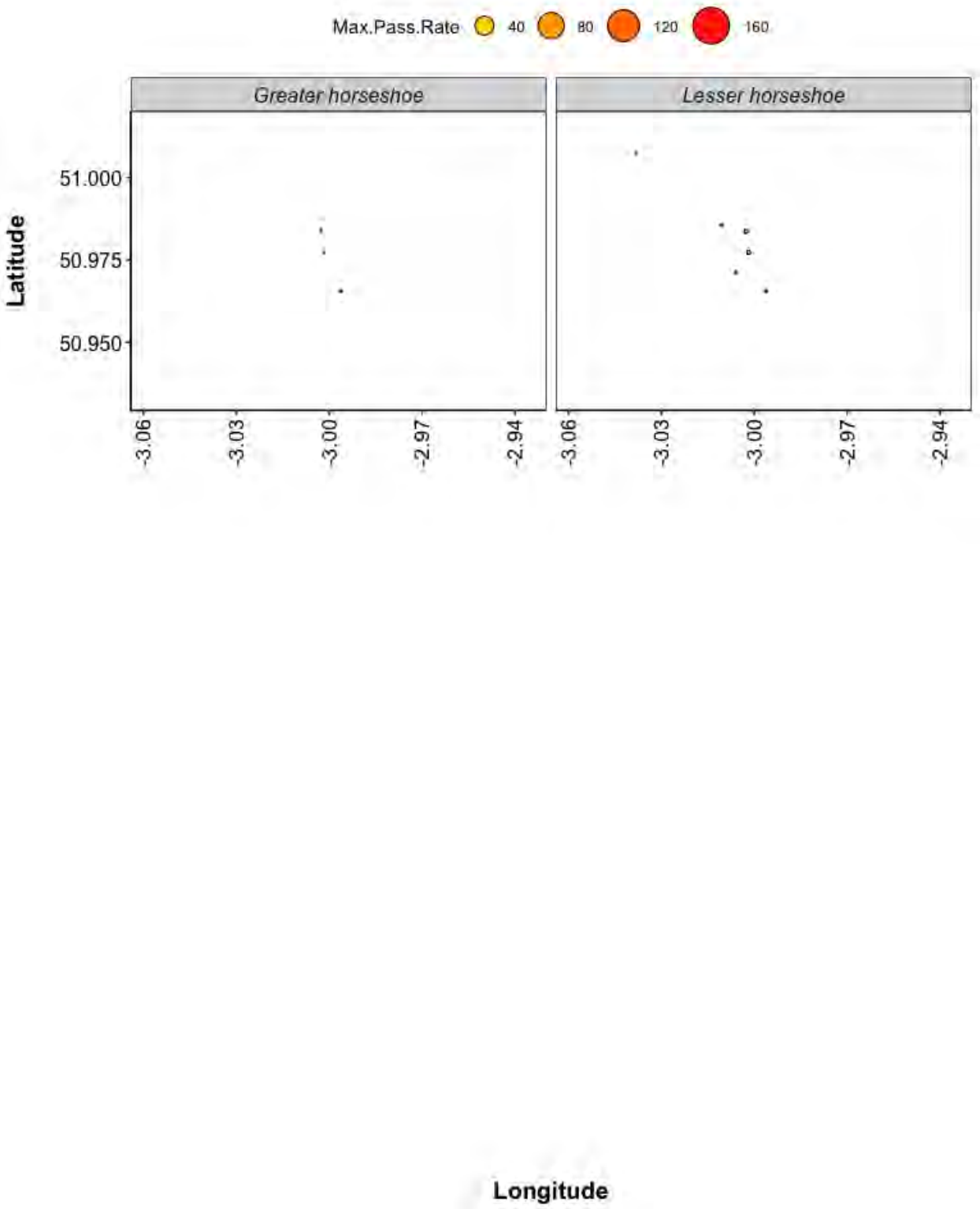

Median.Pass.Rate
10
20
30
40
Greater horseshoe
Lesser horseshoe
Latitude
51.000
50.975
50.950
-3.06
-3.03
-3.00
-2.97
-2.94
Longitude

Figure 15. Maximum Nightly Pass Rate (bat passes/hr/night) recorded in a single night throughout the survey period - represented by the size and colour of the point at each detector location.


Max.Pass.Rate
40
80
120
160
Pipistrellus
Common pipistrelle
Soprano pipistrelle
Nathusius'
Noctule
Leisler's
51.000
50.975
50.950
Latitude
-3.06
-3.03
-3.00
-2.97
-2.94
Longitude


Max.Pass.Rate
40
80
120
160
Nyctalus
Serotine
Nyctaloid
Long-eared bats
Myotis
Barbastelle
51.000
50.975
50.950
Latitude
-3.06
-3.03
-3.00
-2.97
-2.94
Longitude


Max.Pass.Rate
40
80
120
160
Greater horseshoe
Lesser horseshoe
Latitude
51.000
50.975
50.950
-3.06
-3.03
-3.00
-2.97
-2.94
Longitude

PART 2B: Includes absences

THE NEXT SECTION OF THE REPORT FEATURES THE DATA SUPPLIED TO ECOBAT BUT TAKES INTO ACCOUNT SPECIES ABSENCES, AND THEREFORE INCLUDES 'ZERO DATA' FOR WHEN SPECIES WERE NOT DETECTED AT EACH DETECTOR ON A NIGHT. THIS DRAMATICALLY LOWERS THE MEANS AND MEDIANS OF THE DATA PRESENTED.

Nightly Bat Pass Rate (Bat passes per hour)

Median Per Detector

Table 22. The median Nightly Pass Rate (bat passes per hour, per night) of each species. If NA, then no bat passes.

Bat pass rates are often highly variable between nights, with some nights having few or no passes and other nights having high activity. In these circumstances, the median is likely to be a more useful summary of the 'average' activity than is the mean. For further information see: *Lintott, P. R., & Mathews, F. (2018). Basic mathematical errors may make ecological assessments unreliable. Biodiversity and Conservation, 27(1), 265-267.* https://doi.org/10.1007/s10531-017-1418-5

Species	Detector ID	Median Pass Rate
Barbastelle	10A	0.1
Barbastelle	10B	0.0
Barbastelle	10C	0.0
Barbastelle	11A	0.1
Barbastelle	11B	0.0
Barbastelle	11C	0.0
Barbastelle	12A	0.0
Barbastelle	12B	0.0
Barbastelle	12C	0.0
Barbastelle	13A	0.0
Barbastelle	13B	0.0
Barbastelle	13C	0.0
Barbastelle	2A	0.0
Barbastelle	2B	0.0
Barbastelle	2C	0.0
Barbastelle	4A	0.0
Barbastelle	4B	0.0
Barbastelle	4C	0.0
Barbastelle	5A	0.0
Barbastelle	5B	0.0
Barbastelle	5C	0.0
Barbastelle	6A	0.0
Barbastelle	6B	0.0

Barbastelle	6C	0.0
Barbastelle	8A	0.0
Barbastelle	8B	0.0
Barbastelle	8C	0.0
Barbastelle	9A	0.0
Barbastelle	9B	0.0
Barbastelle	9C	0.0
Common pipistrelle	10A	2.2
Common pipistrelle	10B	0.9
Common pipistrelle	10C	1.4
Common pipistrelle	11A	7.8
Common pipistrelle	11B	11.9
Common pipistrelle	11C	6.1
Common pipistrelle	12A	2.7
Common pipistrelle	12B	2.9
Common pipistrelle	12C	4.7
Common pipistrelle	13A	1.9
Common pipistrelle	13B	7.2
Common pipistrelle	13C	1.3
Common pipistrelle	2A	8.0
Common pipistrelle	2B	1.5
Common pipistrelle	2C	9.4
Common pipistrelle	4A	0.6
Common pipistrelle	4B	0.0
Common pipistrelle	4C	0.0
Common pipistrelle	5A	0.9
Common pipistrelle	5B	1.5
Common pipistrelle	5C	2.2
Common pipistrelle	6A	1.7
Common pipistrelle	6B	2.9
Common pipistrelle	6C	4.5
Common pipistrelle	8A	9.2
Common pipistrelle	8B	13.1
Common pipistrelle	8C	8.6
Common pipistrelle	9A	0.0
Common pipistrelle	9B	0.0

Common pipistrelle	9C	2.8
Greater horseshoe	10A	0.0
Greater horseshoe	10B	0.0
Greater horseshoe	10C	0.0
Greater horseshoe	11A	0.0
Greater horseshoe	11B	0.0
Greater horseshoe	11C	0.0
Greater horseshoe	12A	0.0
Greater horseshoe	12B	0.0
Greater horseshoe	12C	0.0
Greater horseshoe	13A	0.0
Greater horseshoe	13B	0.0
Greater horseshoe	13C	0.0
Greater horseshoe	2A	0.0
Greater horseshoe	2B	0.0
Greater horseshoe	2C	0.0
Greater horseshoe	4A	0.0
Greater horseshoe	4B	0.0
Greater horseshoe	4C	0.0
Greater horseshoe	5A	0.0
Greater horseshoe	5B	0.0
Greater horseshoe	5C	0.0
Greater horseshoe	6A	0.0
Greater horseshoe	6B	0.0
Greater horseshoe	6C	0.0
Greater horseshoe	8A	0.0
Greater horseshoe	8B	0.0
Greater horseshoe	8C	0.0
Greater horseshoe	9A	0.0
Greater horseshoe	9B	0.0
Greater horseshoe	9C	0.0
Leisler’s	10A	0.0
Leisler’s	10B	0.0
Leisler’s	10C	0.0
Leisler’s	11A	0.0
Leisler’s	11B	0.0

Leisler’s	11C	0.0
Leisler’s	12A	0.0
Leisler’s	12B	0.0
Leisler’s	12C	0.0
Leisler’s	13A	0.1
Leisler’s	13B	0.1
Leisler’s	13C	0.1
Leisler’s	2A	0.0
Leisler’s	2B	0.0
Leisler’s	2C	0.0
Leisler’s	4A	0.0
Leisler’s	4B	0.0
Leisler’s	4C	0.0
Leisler’s	5A	0.0
Leisler’s	5B	0.0
Leisler’s	5C	0.0
Leisler’s	6A	0.0
Leisler’s	6B	0.0
Leisler’s	6C	0.0
Leisler’s	8A	0.0
Leisler’s	8B	0.0
Leisler’s	8C	0.0
Leisler’s	9A	0.0
Leisler’s	9B	0.0
Leisler’s	9C	0.0
Lesser horseshoe	10A	0.1
Lesser horseshoe	10B	0.0
Lesser horseshoe	10C	0.0
Lesser horseshoe	11A	0.0
Lesser horseshoe	11B	0.0
Lesser horseshoe	11C	0.0
Lesser horseshoe	12A	0.0
Lesser horseshoe	12B	0.0
Lesser horseshoe	12C	0.0
Lesser horseshoe	13A	0.0
Lesser horseshoe	13B	0.0

Lesser horseshoe	13C	0.0
Lesser horseshoe	2A	0.0
Lesser horseshoe	2B	0.0
Lesser horseshoe	2C	0.0
Lesser horseshoe	4A	0.0
Lesser horseshoe	4B	0.0
Lesser horseshoe	4C	0.0
Lesser horseshoe	5A	0.0
Lesser horseshoe	5B	0.0
Lesser horseshoe	5C	0.0
Lesser horseshoe	6A	0.0
Lesser horseshoe	6B	0.0
Lesser horseshoe	6C	0.0
Lesser horseshoe	8A	0.0
Lesser horseshoe	8B	0.0
Lesser horseshoe	8C	0.0
Lesser horseshoe	9A	0.0
Lesser horseshoe	9B	0.0
Lesser horseshoe	9C	0.0
Long-eared bats	10A	0.0
Long-eared bats	10B	0.0
Long-eared bats	10C	0.0
Long-eared bats	11A	0.0
Long-eared bats	11B	0.0
Long-eared bats	11C	0.0
Long-eared bats	12A	0.0
Long-eared bats	12B	0.0
Long-eared bats	12C	0.0
Long-eared bats	13A	0.0
Long-eared bats	13B	0.0
Long-eared bats	13C	0.0
Long-eared bats	2A	0.0
Long-eared bats	2B	0.0
Long-eared bats	2C	0.0
Long-eared bats	4A	0.0
Long-eared bats	4B	0.0

Long-eared bats	4C	0.0
Long-eared bats	5A	0.0
Long-eared bats	5B	0.0
Long-eared bats	5C	0.0
Long-eared bats	6A	0.0
Long-eared bats	6B	0.0
Long-eared bats	6C	0.0
Long-eared bats	8A	0.0
Long-eared bats	8B	0.0
Long-eared bats	8C	0.0
Long-eared bats	9A	0.0
Long-eared bats	9B	0.0
Long-eared bats	9C	0.0
Myotis	10A	0.4
Myotis	10B	0.1
Myotis	10C	0.3
Myotis	11A	0.6
Myotis	11B	1.9
Myotis	11C	0.0
Myotis	12A	0.6
Myotis	12B	1.0
Myotis	12C	0.1
Myotis	13A	0.0
Myotis	13B	0.0
Myotis	13C	0.0
Myotis	2A	0.1
Myotis	2B	0.1
Myotis	2C	0.1
Myotis	4A	0.0
Myotis	4B	0.4
Myotis	4C	0.2
Myotis	5A	0.1
Myotis	5B	0.2
Myotis	5C	0.3
Myotis	6A	0.2
Myotis	6B	0.1

Myotis	6C	0.2
Myotis	8A	0.0
Myotis	8B	0.7
Myotis	8C	0.0
Myotis	9A	0.2
Myotis	9B	0.3
Myotis	9C	0.1
Nathusius’	10A	0.0
Nathusius’	10B	0.0
Nathusius’	10C	0.0
Nathusius’	11A	0.0
Nathusius’	11B	0.0
Nathusius’	11C	0.0
Nathusius’	12A	0.0
Nathusius’	12B	0.0
Nathusius’	12C	0.0
Nathusius’	13A	0.0
Nathusius’	13B	0.0
Nathusius’	13C	0.0
Nathusius’	2A	0.0
Nathusius’	2B	0.0
Nathusius’	2C	0.0
Nathusius’	4A	0.0
Nathusius’	4B	0.0
Nathusius’	4C	0.0
Nathusius’	5A	0.0
Nathusius’	5B	0.0
Nathusius’	5C	0.0
Nathusius’	6A	0.0
Nathusius’	6B	0.0
Nathusius’	6C	0.0
Nathusius’	8A	0.0
Nathusius’	8B	0.0
Nathusius’	8C	0.0
Nathusius’	9A	0.0
Nathusius’	9B	0.0

Nathusius’	9C	0.0
Noctule	10A	0.9
Noctule	10B	0.2
Noctule	10C	0.5
Noctule	11A	0.1
Noctule	11B	0.1
Noctule	11C	0.1
Noctule	12A	0.4
Noctule	12B	0.3
Noctule	12C	0.5
Noctule	13A	0.9
Noctule	13B	0.7
Noctule	13C	1.0
Noctule	2A	0.8
Noctule	2B	0.2
Noctule	2C	0.4
Noctule	4A	0.2
Noctule	4B	0.1
Noctule	4C	0.1
Noctule	5A	0.3
Noctule	5B	0.1
Noctule	5C	0.1
Noctule	6A	0.1
Noctule	6B	0.1
Noctule	6C	0.1
Noctule	8A	0.4
Noctule	8B	0.8
Noctule	8C	0.4
Noctule	9A	0.4
Noctule	9B	0.2
Noctule	9C	0.1
Nyctaloid	10A	1.0
Nyctaloid	10B	0.0
Nyctaloid	10C	0.6
Nyctaloid	11A	0.0
Nyctaloid	11B	0.9

Nyctaloid	11C	0.0
Nyctaloid	12A	0.0
Nyctaloid	12B	0.0
Nyctaloid	12C	0.0
Nyctaloid	13A	0.0
Nyctaloid	13B	0.0
Nyctaloid	13C	0.0
Nyctaloid	2A	1.3
Nyctaloid	2B	0.0
Nyctaloid	2C	0.5
Nyctaloid	4A	0.0
Nyctaloid	4B	0.2
Nyctaloid	4C	0.0
Nyctaloid	5A	0.1
Nyctaloid	5B	0.1
Nyctaloid	5C	0.0
Nyctaloid	6A	0.3
Nyctaloid	6B	0.0
Nyctaloid	6C	0.0
Nyctaloid	8A	0.0
Nyctaloid	8B	1.5
Nyctaloid	8C	0.0
Nyctaloid	9A	0.0
Nyctaloid	9B	0.0
Nyctaloid	9C	0.0
Nyctalus	10A	0.0
Nyctalus	10B	0.0
Nyctalus	10C	0.0
Nyctalus	11A	0.0
Nyctalus	11B	0.0
Nyctalus	11C	0.0
Nyctalus	12A	0.0
Nyctalus	12B	0.0
Nyctalus	12C	0.0
Nyctalus	13A	0.0
Nyctalus	13B	0.0

Nyctalus	13C	0.0
Nyctalus	2A	0.0
Nyctalus	2B	0.0
Nyctalus	2C	0.0
Nyctalus	4A	0.0
Nyctalus	4B	0.0
Nyctalus	4C	0.0
Nyctalus	5A	0.0
Nyctalus	5B	0.0
Nyctalus	5C	0.0
Nyctalus	6A	0.0
Nyctalus	6B	0.0
Nyctalus	6C	0.0
Nyctalus	8A	0.0
Nyctalus	8B	0.0
Nyctalus	8C	0.0
Nyctalus	9A	0.0
Nyctalus	9B	0.0
Nyctalus	9C	0.0
Pipistrellus	10A	0.0
Pipistrellus	10B	0.0
Pipistrellus	10C	0.0
Pipistrellus	11A	0.0
Pipistrellus	11B	0.0
Pipistrellus	11C	0.0
Pipistrellus	12A	1.1
Pipistrellus	12B	0.0
Pipistrellus	12C	0.0
Pipistrellus	13A	0.0
Pipistrellus	13B	0.0
Pipistrellus	13C	0.0
Pipistrellus	2A	0.0
Pipistrellus	2B	0.0
Pipistrellus	2C	0.0
Pipistrellus	4A	0.0
Pipistrellus	4B	0.0

Pipistrellus	4C	0.0
Pipistrellus	5A	0.0
Pipistrellus	5B	0.0
Pipistrellus	5C	0.0
Pipistrellus	6A	0.0
Pipistrellus	6B	0.0
Pipistrellus	6C	0.0
Pipistrellus	8A	0.0
Pipistrellus	8B	0.0
Pipistrellus	8C	0.0
Pipistrellus	9A	0.0
Pipistrellus	9B	0.0
Pipistrellus	9C	0.0
Serotine	10A	0.3
Serotine	10B	0.1
Serotine	10C	0.2
Serotine	11A	0.3
Serotine	11B	0.8
Serotine	11C	0.3
Serotine	12A	0.1
Serotine	12B	0.1
Serotine	12C	0.0
Serotine	13A	0.0
Serotine	13B	0.0
Serotine	13C	0.0
Serotine	2A	0.0
Serotine	2B	0.1
Serotine	2C	0.1
Serotine	4A	0.1
Serotine	4B	0.1
Serotine	4C	0.0
Serotine	5A	0.2
Serotine	5B	0.1
Serotine	5C	0.1
Serotine	6A	0.0
Serotine	6B	0.3

Serotine	6C	0.3
Serotine	8A	0.2
Serotine	8B	0.4
Serotine	8C	0.1
Serotine	9A	0.0
Serotine	9B	0.0
Serotine	9C	0.0
Soprano pipistrelle	10A	0.5
Soprano pipistrelle	10B	0.4
Soprano pipistrelle	10C	0.1
Soprano pipistrelle	11A	0.0
Soprano pipistrelle	11B	1.1
Soprano pipistrelle	11C	0.0
Soprano pipistrelle	12A	0.0
Soprano pipistrelle	12B	0.0
Soprano pipistrelle	12C	0.0
Soprano pipistrelle	13A	0.0
Soprano pipistrelle	13B	0.0
Soprano pipistrelle	13C	0.0
Soprano pipistrelle	2A	0.5
Soprano pipistrelle	2B	0.0
Soprano pipistrelle	2C	0.2
Soprano pipistrelle	4A	0.0
Soprano pipistrelle	4B	0.0
Soprano pipistrelle	4C	0.3
Soprano pipistrelle	5A	0.0
Soprano pipistrelle	5B	0.4
Soprano pipistrelle	5C	0.1
Soprano pipistrelle	6A	0.0
Soprano pipistrelle	6B	0.1
Soprano pipistrelle	6C	0.0
Soprano pipistrelle	8A	0.8
Soprano pipistrelle	8B	3.1
Soprano pipistrelle	8C	0.8
Soprano pipistrelle	9A	2.0
Soprano pipistrelle	9B	0.0

Soprano pipistrelle	9C	0.0

Nightly Bat Pass Rate (Bat passes per hour)

Mean per Detector

Table 23. The mean Nightly Pass Rate (bat passes per hour, per night) of each species at each detector. Values are given to 1 decimal place.

We recommend using the median values given above, for the reasons stated above, but provide the mean values in the table below.

Species	Detector ID	Mean Pass Rate
Barbastelle	10A	0.3
Barbastelle	10B	0.0
Barbastelle	10C	0.0
Barbastelle	11A	0.2
Barbastelle	11B	0.1
Barbastelle	11C	0.0
Barbastelle	12A	0.0
Barbastelle	12B	0.0
Barbastelle	12C	0.0
Barbastelle	13A	0.0
Barbastelle	13B	0.1
Barbastelle	13C	0.1
Barbastelle	2A	0.0
Barbastelle	2B	0.1
Barbastelle	2C	0.0
Barbastelle	4A	0.0
Barbastelle	4B	0.0
Barbastelle	4C	0.0
Barbastelle	5A	0.1
Barbastelle	5B	0.1
Barbastelle	5C	0.0
Barbastelle	6A	0.0
Barbastelle	6B	0.1
Barbastelle	6C	0.0
Barbastelle	8A	0.0
Barbastelle	8B	1.3

Barbastelle	8C	0.0
Barbastelle	9A	0.0
Barbastelle	9B	0.0
Barbastelle	9C	0.0
Common pipistrelle	10A	11.8
Common pipistrelle	10B	3.3
Common pipistrelle	10C	3.3
Common pipistrelle	11A	17.5
Common pipistrelle	11B	23.1
Common pipistrelle	11C	11.7
Common pipistrelle	12A	5.3
Common pipistrelle	12B	5.1
Common pipistrelle	12C	9.8
Common pipistrelle	13A	2.9
Common pipistrelle	13B	17.7
Common pipistrelle	13C	3.2
Common pipistrelle	2A	19.3
Common pipistrelle	2B	6.7
Common pipistrelle	2C	14.0
Common pipistrelle	4A	1.7
Common pipistrelle	4B	0.8
Common pipistrelle	4C	3.3
Common pipistrelle	5A	1.5
Common pipistrelle	5B	10.1
Common pipistrelle	5C	6.4
Common pipistrelle	6A	3.5
Common pipistrelle	6B	5.3
Common pipistrelle	6C	15.2
Common pipistrelle	8A	14.2
Common pipistrelle	8B	14.9
Common pipistrelle	8C	12.6
Common pipistrelle	9A	0.3
Common pipistrelle	9B	3.2
Common pipistrelle	9C	12.8
Greater horseshoe	10A	0.0
Greater horseshoe	10B	0.0

Greater horseshoe	10C	0.0
Greater horseshoe	11A	0.0
Greater horseshoe	11B	0.0
Greater horseshoe	11C	0.0
Greater horseshoe	12A	0.0
Greater horseshoe	12B	0.0
Greater horseshoe	12C	0.0
Greater horseshoe	13A	0.0
Greater horseshoe	13B	0.0
Greater horseshoe	13C	0.0
Greater horseshoe	2A	0.0
Greater horseshoe	2B	0.0
Greater horseshoe	2C	0.0
Greater horseshoe	4A	0.0
Greater horseshoe	4B	0.0
Greater horseshoe	4C	0.0
Greater horseshoe	5A	0.0
Greater horseshoe	5B	0.0
Greater horseshoe	5C	0.0
Greater horseshoe	6A	0.0
Greater horseshoe	6B	0.0
Greater horseshoe	6C	0.0
Greater horseshoe	8A	0.0
Greater horseshoe	8B	0.0
Greater horseshoe	8C	0.0
Greater horseshoe	9A	0.0
Greater horseshoe	9B	0.0
Greater horseshoe	9C	0.0
Leisler’s	10A	0.1
Leisler’s	10B	0.1
Leisler’s	10C	0.0
Leisler’s	11A	0.0
Leisler’s	11B	0.0
Leisler’s	11C	0.0
Leisler’s	12A	0.0
Leisler’s	12B	0.3

Leisler’s	12C	0.0
Leisler’s	13A	0.3
Leisler’s	13B	0.3
Leisler’s	13C	0.2
Leisler’s	2A	0.1
Leisler’s	2B	1.1
Leisler’s	2C	0.1
Leisler’s	4A	0.0
Leisler’s	4B	0.0
Leisler’s	4C	0.0
Leisler’s	5A	0.0
Leisler’s	5B	0.0
Leisler’s	5C	0.0
Leisler’s	6A	0.0
Leisler’s	6B	0.0
Leisler’s	6C	0.6
Leisler’s	8A	0.0
Leisler’s	8B	0.1
Leisler’s	8C	0.1
Leisler’s	9A	0.0
Leisler’s	9B	0.0
Leisler’s	9C	0.0
Lesser horseshoe	10A	0.2
Lesser horseshoe	10B	0.1
Lesser horseshoe	10C	0.0
Lesser horseshoe	11A	0.0
Lesser horseshoe	11B	0.0
Lesser horseshoe	11C	0.0
Lesser horseshoe	12A	0.0
Lesser horseshoe	12B	0.0
Lesser horseshoe	12C	0.0
Lesser horseshoe	13A	0.0
Lesser horseshoe	13B	0.0
Lesser horseshoe	13C	0.0
Lesser horseshoe	2A	0.0
Lesser horseshoe	2B	0.0

Lesser horseshoe	2C	0.0
Lesser horseshoe	4A	0.0
Lesser horseshoe	4B	0.0
Lesser horseshoe	4C	0.0
Lesser horseshoe	5A	0.0
Lesser horseshoe	5B	0.0
Lesser horseshoe	5C	0.0
Lesser horseshoe	6A	0.0
Lesser horseshoe	6B	0.0
Lesser horseshoe	6C	0.0
Lesser horseshoe	8A	0.0
Lesser horseshoe	8B	0.0
Lesser horseshoe	8C	0.0
Lesser horseshoe	9A	0.0
Lesser horseshoe	9B	0.0
Lesser horseshoe	9C	0.0
Long-eared bats	10A	0.1
Long-eared bats	10B	0.0
Long-eared bats	10C	0.1
Long-eared bats	11A	0.0
Long-eared bats	11B	0.0
Long-eared bats	11C	0.0
Long-eared bats	12A	0.0
Long-eared bats	12B	0.0
Long-eared bats	12C	0.0
Long-eared bats	13A	0.0
Long-eared bats	13B	0.0
Long-eared bats	13C	0.0
Long-eared bats	2A	0.0
Long-eared bats	2B	0.0
Long-eared bats	2C	0.0
Long-eared bats	4A	0.0
Long-eared bats	4B	0.0
Long-eared bats	4C	0.0
Long-eared bats	5A	0.0
Long-eared bats	5B	0.0

Long-eared bats	5C	0.0
Long-eared bats	6A	0.0
Long-eared bats	6B	0.0
Long-eared bats	6C	0.0
Long-eared bats	8A	0.0
Long-eared bats	8B	0.0
Long-eared bats	8C	0.0
Long-eared bats	9A	0.0
Long-eared bats	9B	0.0
Long-eared bats	9C	0.0
Myotis	10A	5.4
Myotis	10B	0.4
Myotis	10C	0.4
Myotis	11A	1.9
Myotis	11B	4.2
Myotis	11C	0.1
Myotis	12A	0.9
Myotis	12B	1.5
Myotis	12C	0.2
Myotis	13A	0.2
Myotis	13B	0.2
Myotis	13C	0.1
Myotis	2A	0.2
Myotis	2B	0.3
Myotis	2C	0.3
Myotis	4A	0.1
Myotis	4B	1.0
Myotis	4C	0.6
Myotis	5A	0.3
Myotis	5B	0.5
Myotis	5C	0.6
Myotis	6A	0.4
Myotis	6B	0.6
Myotis	6C	3.5
Myotis	8A	0.2
Myotis	8B	0.9

Myotis	8C	0.2
Myotis	9A	0.6
Myotis	9B	1.5
Myotis	9C	0.4
Nathusius’	10A	0.1
Nathusius’	10B	0.0
Nathusius’	10C	0.0
Nathusius’	11A	0.1
Nathusius’	11B	0.0
Nathusius’	11C	0.1
Nathusius’	12A	0.0
Nathusius’	12B	0.0
Nathusius’	12C	0.1
Nathusius’	13A	0.0
Nathusius’	13B	0.1
Nathusius’	13C	0.0
Nathusius’	2A	0.8
Nathusius’	2B	0.0
Nathusius’	2C	0.1
Nathusius’	4A	0.2
Nathusius’	4B	0.0
Nathusius’	4C	0.0
Nathusius’	5A	0.0
Nathusius’	5B	0.0
Nathusius’	5C	0.0
Nathusius’	6A	0.0
Nathusius’	6B	0.0
Nathusius’	6C	0.0
Nathusius’	8A	0.0
Nathusius’	8B	0.0
Nathusius’	8C	0.1
Nathusius’	9A	0.0
Nathusius’	9B	0.0
Nathusius’	9C	0.0
Noctule	10A	1.3
Noctule	10B	0.4

Noctule	10C	0.9
Noctule	11A	0.5
Noctule	11B	0.4
Noctule	11C	0.6
Noctule	12A	1.1
Noctule	12B	0.7
Noctule	12C	0.6
Noctule	13A	1.2
Noctule	13B	1.6
Noctule	13C	1.6
Noctule	2A	1.4
Noctule	2B	1.0
Noctule	2C	0.9
Noctule	4A	0.4
Noctule	4B	0.5
Noctule	4C	0.5
Noctule	5A	0.4
Noctule	5B	0.5
Noctule	5C	0.3
Noctule	6A	0.2
Noctule	6B	0.4
Noctule	6C	0.3
Noctule	8A	0.7
Noctule	8B	1.0
Noctule	8C	0.7
Noctule	9A	0.6
Noctule	9B	0.4
Noctule	9C	0.2
Nyctaloid	10A	1.6
Nyctaloid	10B	0.7
Nyctaloid	10C	0.9
Nyctaloid	11A	0.6
Nyctaloid	11B	2.2
Nyctaloid	11C	1.0
Nyctaloid	12A	0.4
Nyctaloid	12B	0.2

Nyctaloid	12C	0.2
Nyctaloid	13A	0.0
Nyctaloid	13B	0.0
Nyctaloid	13C	0.3
Nyctaloid	2A	1.9
Nyctaloid	2B	0.4
Nyctaloid	2C	1.3
Nyctaloid	4A	0.8
Nyctaloid	4B	1.2
Nyctaloid	4C	1.0
Nyctaloid	5A	0.6
Nyctaloid	5B	0.9
Nyctaloid	5C	0.7
Nyctaloid	6A	0.4
Nyctaloid	6B	1.7
Nyctaloid	6C	0.8
Nyctaloid	8A	0.8
Nyctaloid	8B	1.6
Nyctaloid	8C	0.6
Nyctaloid	9A	0.8
Nyctaloid	9B	0.1
Nyctaloid	9C	0.4
Nyctalus	10A	0.0
Nyctalus	10B	0.0
Nyctalus	10C	0.0
Nyctalus	11A	0.0
Nyctalus	11B	0.0
Nyctalus	11C	0.0
Nyctalus	12A	0.0
Nyctalus	12B	0.3
Nyctalus	12C	0.0
Nyctalus	13A	0.1
Nyctalus	13B	0.0
Nyctalus	13C	0.7
Nyctalus	2A	0.0
Nyctalus	2B	0.0

Nyctalus	2C	0.0
Nyctalus	4A	0.0
Nyctalus	4B	0.0
Nyctalus	4C	0.0
Nyctalus	5A	0.0
Nyctalus	5B	0.0
Nyctalus	5C	0.0
Nyctalus	6A	0.0
Nyctalus	6B	0.0
Nyctalus	6C	0.0
Nyctalus	8A	0.0
Nyctalus	8B	0.0
Nyctalus	8C	0.0
Nyctalus	9A	0.0
Nyctalus	9B	0.0
Nyctalus	9C	0.0
Pipistrellus	10A	0.5
Pipistrellus	10B	2.9
Pipistrellus	10C	1.8
Pipistrellus	11A	9.6
Pipistrellus	11B	4.5
Pipistrellus	11C	0.9
Pipistrellus	12A	8.6
Pipistrellus	12B	6.8
Pipistrellus	12C	2.4
Pipistrellus	13A	1.5
Pipistrellus	13B	5.0
Pipistrellus	13C	2.7
Pipistrellus	2A	10.3
Pipistrellus	2B	2.4
Pipistrellus	2C	5.8
Pipistrellus	4A	0.6
Pipistrellus	4B	0.0
Pipistrellus	4C	0.8
Pipistrellus	5A	0.0
Pipistrellus	5B	4.7

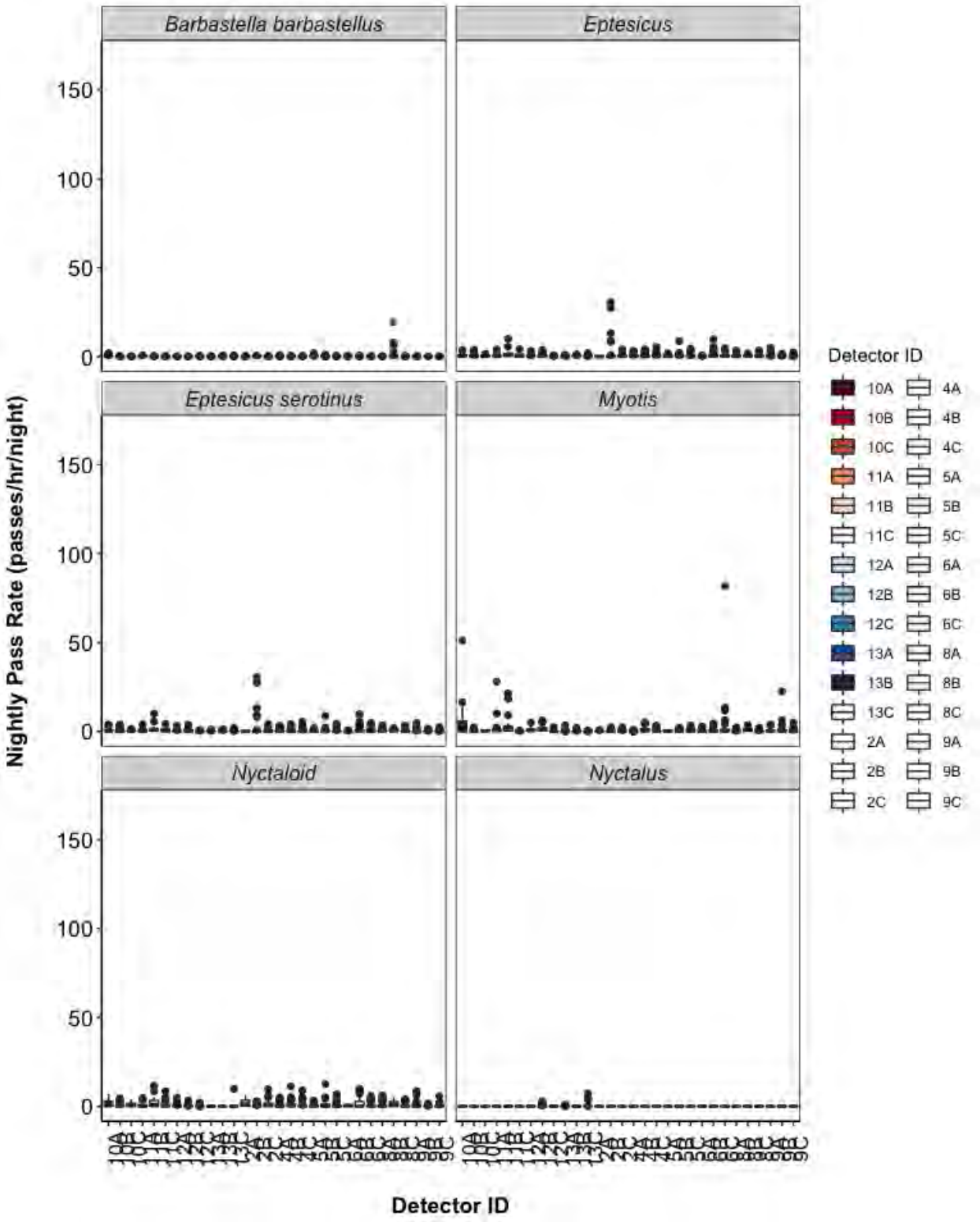
Pipistrellus	5C	2.9
Pipistrellus	6A	0.1
Pipistrellus	6B	4.9
Pipistrellus	6C	6.8
Pipistrellus	8A	5.5
Pipistrellus	8B	9.3
Pipistrellus	8C	2.6
Pipistrellus	9A	0.0
Pipistrellus	9B	0.0
Pipistrellus	9C	6.2
Serotine	10A	0.7
Serotine	10B	0.6
Serotine	10C	0.4
Serotine	11A	0.5
Serotine	11B	1.5
Serotine	11C	0.8
Serotine	12A	0.3
Serotine	12B	0.5
Serotine	12C	0.1
Serotine	13A	0.1
Serotine	13B	0.2
Serotine	13C	0.2
Serotine	2A	0.1
Serotine	2B	2.5
Serotine	2C	0.5
Serotine	4A	0.5
Serotine	4B	0.6
Serotine	4C	0.5
Serotine	5A	0.3
Serotine	5B	0.5
Serotine	5C	0.4
Serotine	6A	0.1
Serotine	6B	1.2
Serotine	6C	0.8
Serotine	8A	0.5
Serotine	8B	0.6

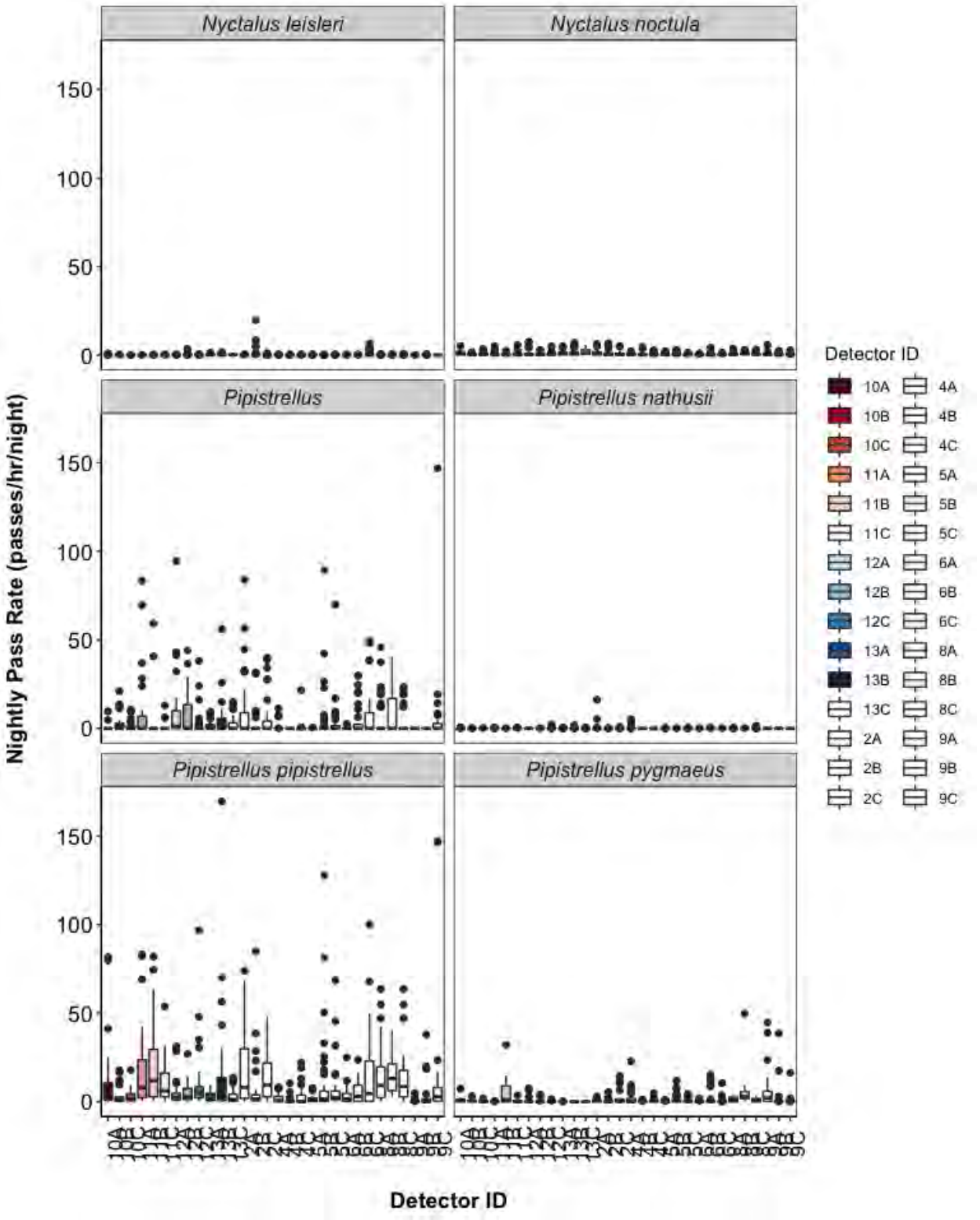
Serotine	8C	0.4
Serotine	9A	0.3
Serotine	9B	0.2
Serotine	9C	0.2
Soprano pipistrelle	10A	1.0
Soprano pipistrelle	10B	0.6
Soprano pipistrelle	10C	0.4
Soprano pipistrelle	11A	0.0
Soprano pipistrelle	11B	5.2
Soprano pipistrelle	11C	0.3
Soprano pipistrelle	12A	0.4
Soprano pipistrelle	12B	0.2
Soprano pipistrelle	12C	0.1
Soprano pipistrelle	13A	0.0
Soprano pipistrelle	13B	0.0
Soprano pipistrelle	13C	0.0
Soprano pipistrelle	2A	0.7
Soprano pipistrelle	2B	0.4
Soprano pipistrelle	2C	1.9
Soprano pipistrelle	4A	1.8
Soprano pipistrelle	4B	0.2
Soprano pipistrelle	4C	0.6
Soprano pipistrelle	5A	0.1
Soprano pipistrelle	5B	1.4
Soprano pipistrelle	5C	0.4
Soprano pipistrelle	6A	0.2
Soprano pipistrelle	6B	1.9
Soprano pipistrelle	6C	0.5
Soprano pipistrelle	8A	1.3
Soprano pipistrelle	8B	5.1
Soprano pipistrelle	8C	1.0
Soprano pipistrelle	9A	5.7
Soprano pipistrelle	9B	2.1
Soprano pipistrelle	9C	0.5

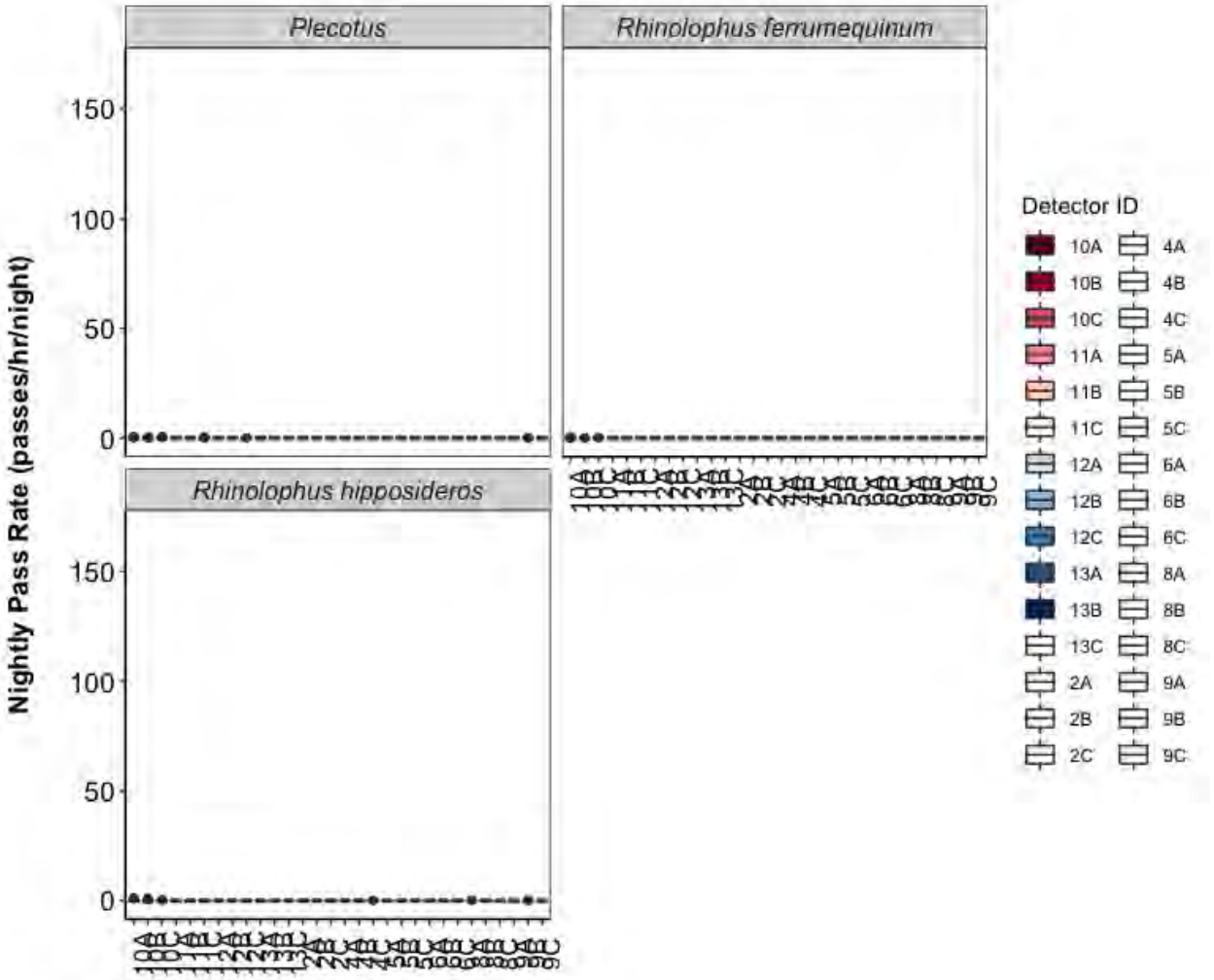
Nightly Bat Passes (Bat passes per hour)

Per Detector - Figures

Figure 16. Figures show boxplots for the number of bat passes per hour each night, for each detector. The 'box' shows the interquartile range, which is where the middle 50% of the data lie. The line dividing the box is the median, the mid-point of the data. The 'whiskers' extend from the box and represent the ranges for the bottom 25% and the top 25% of the data values, excluding outliers. An outlier is any extreme value that lies further away from the box than 1.5 times the interquartile range. Outliers are shown as dots. Where very few passes are recorded it is not possible to produce the box, so the data are shown as a line.


Barbastella barbastellus
Eptesicus
Eptesicus serotinus
Myotis
Nyctaloid
Nyctalus
150
100
50
0
Nightly Pass Rate (passes/hr/night)
Detector ID
Detector ID
10A
10B
10C
11A
11B
11C
12A
12B
12C
13A
13B
13C
2A
2B
2C
4A
4B
4C
5A
5B
5C
6A
6B
6C
8A
8B
8C
9A
9B
9C


Nyctalus leisleri
Nyctalus noctula
Pipistrellus
Pipistrellus nathusii
Pipistrellus pipistrellus
Pipistrellus pygmaeus
Nightly Pass Rate (passes/hr/night)
0
50
100
150
Detector ID
10A
10B
10C
11A
11B
11C
12A
12B
12C
13A
13B
13C
2A
2B
2C
4A
4B
4C
5A
5B
5C
6A
6B
6C
8A
8B
8C
9A
9B
9C
Detector ID


Plecotus
Rhinolophus ferrumequinum
Rhinolophus hipposideros
Nightly Pass Rate (passes/hr/night)
150
100
50
0
Detector ID
10A
10B
10C
11A
11B
11C
12A
12B
12C
13A
13B
13C
2A
2B
2C
4A
4B
4C
5A
5B
5C
6A
6B
6C
8A
8B
8C
9A
9B
9C
Detector ID

Survey Effort

Table 24. The number of nights bats were detected per month per detector.

Month	Detector ID	No of Survey Nights
Apr	2A	5
Apr	2B	5
Apr	2C	5
Apr	4A	5
Apr	4B	5
Apr	4C	5
Apr	5A	6
Apr	5B	4
Apr	5C	4
Apr	6A	5
Apr	6B	3
Apr	6C	6
Apr	9A	6
Apr	9B	4
Apr	9C	5
May	10A	5
May	10B	5
May	10C	5
May	11A	5
May	11B	5
May	11C	5
May	12A	9
May	12B	9
May	12C	4
May	13A	7
May	13B	5
May	13C	5
May	2A	6
May	2B	6
May	2C	6
May	4A	5

May	4B	5
May	5A	8
May	5B	15
May	5C	7
May	6A	4
May	6B	5
May	6C	5
May	8A	18
May	8B	5
May	8C	18
May	9A	7
May	9B	5
May	9C	5
Jun	10A	5
Jun	10B	3
Jun	11A	5
Jun	11B	1
Jun	11C	5
Jun	12A	6
Jun	12B	6
Jun	12C	7
Jun	13A	6
Jun	13B	5
Jun	13C	5
Jun	2A	5
Jun	2B	5
Jun	2C	7
Jun	4A	9
Jun	4B	5
Jun	4C	5
Jun	5A	7
Jun	5B	3
Jun	5C	6
Jun	6A	5
Jun	6B	5
Jun	6C	5

Jun	8A	3
Jun	8B	5
Jun	8C	4
Jun	9A	5
Jun	9B	2
Jun	9C	5
Jul	10A	5
Jul	10B	5
Jul	10C	5
Jul	11A	4
Jul	11B	5
Jul	11C	5
Jul	12A	7
Jul	12B	7
Jul	12C	10
Jul	13A	5
Jul	13B	5
Jul	13C	9
Jul	2A	5
Jul	2B	6
Jul	2C	6
Jul	4A	10
Jul	4B	5
Jul	4C	5
Jul	5A	2
Jul	5B	6
Jul	5C	11
Jul	6A	6
Jul	6B	5
Jul	6C	5
Jul	8A	5
Jul	8B	5
Jul	8C	5
Jul	9A	5
Jul	9B	5
Jul	9C	5

Aug	10A	6
Aug	10B	5
Aug	10C	5
Aug	11A	6
Aug	11B	5
Aug	11C	5
Aug	12A	5
Aug	12B	2
Aug	12C	6
Aug	13A	5
Aug	13B	5
Aug	13C	5
Aug	2A	2
Aug	2B	6
Aug	2C	8
Aug	4A	7
Aug	4B	5
Aug	4C	2
Aug	5A	6
Aug	5B	6
Aug	5C	7
Aug	6A	1
Aug	6B	5
Aug	6C	5
Aug	8A	5
Aug	8B	5
Aug	8C	5
Aug	9A	5
Aug	9B	5
Aug	9C	5
Sep	10A	5
Sep	10B	5
Sep	10C	5
Sep	11A	5
Sep	11B	1
Sep	11C	1

Sep	12A	7
Sep	12B	5
Sep	12C	5
Sep	13A	5
Sep	13B	5
Sep	13C	5
Sep	2A	1
Sep	2B	2
Sep	2C	1
Sep	4A	5
Sep	4B	5
Sep	4C	6
Sep	5A	3
Sep	5B	7
Sep	5C	4
Sep	6A	5
Sep	6B	5
Sep	6C	6
Sep	8A	5
Sep	8B	5
Sep	8C	5
Sep	9A	5
Sep	9B	3
Sep	9C	6
Oct	10A	1
Oct	10B	4
Oct	10C	4
Oct	11A	4
Oct	11B	5
Oct	11C	7
Oct	12A	6
Oct	12B	5
Oct	12C	7
Oct	13A	7
Oct	13B	4
Oct	13C	5

Oct	2A	5
Oct	2B	7
Oct	2C	4
Oct	4A	5
Oct	4B	5
Oct	4C	5
Oct	5A	5
Oct	5B	4
Oct	5C	7
Oct	6A	4
Oct	6B	5
Oct	6C	7
Oct	8A	5
Oct	8B	5
Oct	8C	5
Oct	9A	4
Oct	9B	5
Oct	9C	5

Nightly Bat Pass Rate for each Month

Median Per Detector

Table 25. The median Nightly Pass Rate (bat passes per hour, per night) of each species throughout each month. If NA, then no bat passes.

Bat pass rates are often highly variable between nights, with some nights having few or no passes and other nights having high activity. In these circumstances, the median is likely to be a more useful summary of the 'average' activity than is the mean. For further information see: *Lintott, P. R., & Mathews, F. (2018). Basic mathematical errors may make ecological assessments unreliable. Biodiversity and Conservation, 27(1), 265-267.* https://doi.org/10.1007/s10531-017-1418-5

Species	Detector ID	Apr	Aug	Jul	Jun	May	Oct	Sep
Barbastelle	10A	NA	0.9	0.0	0.1	0.1	0.2	0.0
Barbastelle	10B	NA	0.1	0.0	0.0	0.0	0.0	0.0
Barbastelle	10C	NA	0.0	0.0	NA	0.0	0.0	0.0
Barbastelle	11A	NA	0.0	0.0	0.1	0.1	0.4	0.6
Barbastelle	11B	NA	0.1	0.0	0.0	0.0	0.0	0.0
Barbastelle	11C	NA	0.0	0.0	0.0	0.0	0.0	0.0
Barbastelle	12A	NA	0.0	0.0	0.0	0.0	0.0	0.0
Barbastelle	12B	NA	0.1	0.0	0.0	0.0	0.0	0.0
Barbastelle	12C	NA	0.0	0.0	0.0	0.1	0.1	0.0
Barbastelle	13A	NA	0.0	0.0	0.0	0.0	0.0	0.0
Barbastelle	13B	NA	0.1	0.0	0.0	0.0	0.0	0.1
Barbastelle	13C	NA	0.0	0.0	0.0	0.0	0.0	0.1
Barbastelle	2A	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Barbastelle	2B	0.0	0.0	0.0	0.0	0.4	0.2	0.2
Barbastelle	2C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barbastelle	4A	0.0	0.0	0.0	0.0	0.2	0.0	0.0
Barbastelle	4B	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Barbastelle	4C	0.0	0.2	0.0	0.0	NA	0.0	0.0
Barbastelle	5A	0.0	0.0	0.0	0.0	0.0	0.0	0.6
Barbastelle	5B	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Barbastelle	5C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barbastelle	6A	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Barbastelle	6B	0.0	0.0	0.0	0.0	0.0	0.0	0.3

Barbastelle	6C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barbastelle	8A	NA	0.0	0.0	0.0	0.0	0.0	0.0
Barbastelle	8B	NA	0.0	0.0	0.3	0.0	0.0	6.5
Barbastelle	8C	NA	0.0	0.0	0.1	0.0	0.0	0.1
Barbastelle	9A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barbastelle	9B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barbastelle	9C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Common pipistrelle	10A	NA	2.2	4.9	41.1	1.5	1.8	0.1
Common pipistrelle	10B	NA	0.3	0.9	12.1	2.4	5.9	0.1
Common pipistrelle	10C	NA	0.7	0.1	NA	8.6	1.1	1.4
Common pipistrelle	11A	NA	3.6	7.0	42.3	5.9	18.3	2.1
Common pipistrelle	11B	NA	63.4	2.9	0.7	22.2	2.8	5.8
Common pipistrelle	11C	NA	27.8	13.9	7.8	9.3	0.2	5.8
Common pipistrelle	12A	NA	28.5	6.8	3.1	2.4	0.7	1.2
Common pipistrelle	12B	NA	13.9	3.0	4.1	7.4	0.9	0.8
Common pipistrelle	12C	NA	3.5	12.8	7.1	8.7	0.8	2.4
Common pipistrelle	13A	NA	0.3	5.8	1.6	4.2	0.7	4.1
Common pipistrelle	13B	NA	7.2	13.6	0.1	56.5	0.3	7.5
Common pipistrelle	13C	NA	10.6	1.3	0.1	0.7	0.2	5.8
Common pipistrelle	2A	8.3	25.6	62.7	41.9	3.7	0.6	2.1
Common pipistrelle	2B	0.4	0.8	0.9	4.2	4.4	1.9	2.0
Common pipistrelle	2C	7.3	5.2	6.2	22.4	21.5	0.8	2.6
Common pipistrelle	4A	0.6	3.5	0.2	0.7	6.8	0.2	0.0
Common pipistrelle	4B	0.6	0.0	1.5	0.0	0.6	0.0	0.2
Common pipistrelle	4C	1.9	1.7	13.0	0.0	NA	0.0	0.0
Common pipistrelle	5A	0.2	1.4	0.2	1.1	2.3	0.1	2.8
Common pipistrelle	5B	1.3	0.0	6.2	4.4	5.5	0.2	0.7
Common pipistrelle	5C	4.7	15.1	2.6	1.1	1.6	2.0	2.6
Common pipistrelle	6A	1.1	0.0	0.5	4.7	3.9	0.0	5.8
Common pipistrelle	6B	0.0	1.6	10.8	11.0	1.7	0.0	9.3
Common pipistrelle	6C	13.6	0.0	0.1	49.3	0.2	5.6	30.5
Common pipistrelle	8A	NA	33.9	18.2	18.1	8.3	5.7	1.2
Common pipistrelle	8B	NA	4.4	15.5	9.1	24.4	14.5	18.6
Common pipistrelle	8C	NA	19.8	18.2	14.3	8.3	5.7	2.2
Common pipistrelle	9A	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Common pipistrelle	9B	1.6	0.0	0.0	19.1	1.6	0.0	0.0

Common pipistrelle	9C	0.1	2.6	8.3	4.3	12.3	0.4	0.3
Greater horseshoe	10A	NA	0.0	0.0	0.0	0.1	0.0	0.0
Greater horseshoe	10B	NA	0.0	0.0	0.0	0.0	0.0	0.0
Greater horseshoe	10C	NA	0.0	0.0	NA	0.0	0.0	0.0
Greater horseshoe	11A	NA	0.0	0.0	0.0	0.0	0.0	0.0
Greater horseshoe	11B	NA	0.0	0.0	0.0	0.0	0.0	0.0
Greater horseshoe	11C	NA	0.0	0.0	0.0	0.0	0.0	0.0
Greater horseshoe	12A	NA	0.0	0.0	0.0	0.0	0.0	0.0
Greater horseshoe	12B	NA	0.0	0.0	0.0	0.0	0.0	0.0
Greater horseshoe	12C	NA	0.0	0.0	0.0	0.0	0.0	0.0
Greater horseshoe	13A	NA	0.0	0.0	0.0	0.0	0.0	0.0
Greater horseshoe	13B	NA	0.0	0.0	0.0	0.0	0.0	0.0
Greater horseshoe	13C	NA	0.0	0.0	0.0	0.0	0.0	0.0
Greater horseshoe	2A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Greater horseshoe	2B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Greater horseshoe	2C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Greater horseshoe	4A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Greater horseshoe	4B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Greater horseshoe	4C	0.0	0.0	0.0	0.0	NA	0.0	0.0
Greater horseshoe	5A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Greater horseshoe	5B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Greater horseshoe	5C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Greater horseshoe	6A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Greater horseshoe	6B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Greater horseshoe	6C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Greater horseshoe	8A	NA	0.0	0.0	0.0	0.0	0.0	0.0
Greater horseshoe	8B	NA	0.0	0.0	0.0	0.0	0.0	0.0
Greater horseshoe	8C	NA	0.0	0.0	0.0	0.0	0.0	0.0
Greater horseshoe	9A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Greater horseshoe	9B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Greater horseshoe	9C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Leisler’s	10A	NA	0.0	0.0	0.0	0.0	0.0	0.0
Leisler’s	10B	NA	0.1	0.0	0.1	0.0	0.0	0.0
Leisler’s	10C	NA	0.0	0.0	NA	0.0	0.0	0.0
Leisler’s	11A	NA	0.0	0.0	0.0	0.0	0.0	0.0
Leisler’s	11B	NA	0.0	0.0	0.0	0.0	0.0	0.0

Leisler’s	11C	NA	0.0	0.0	0.0	0.0	0.0	0.0
Leisler’s	12A	NA	0.0	0.0	0.0	0.0	0.0	0.0
Leisler’s	12B	NA	0.0	0.0	0.0	0.4	0.0	0.0
Leisler’s	12C	NA	0.1	0.1	0.0	0.0	0.0	0.0
Leisler’s	13A	NA	0.0	0.6	0.0	0.2	0.0	0.6
Leisler’s	13B	NA	1.2	0.1	0.1	0.0	0.1	0.0
Leisler’s	13C	NA	0.0	0.1	0.0	0.1	0.0	0.7
Leisler’s	2A	0.1	0.0	0.0	0.1	0.1	0.0	0.0
Leisler’s	2B	0.0	0.0	0.0	0.0	5.0	0.1	0.0
Leisler’s	2C	0.1	0.0	0.0	0.0	0.1	0.0	0.1
Leisler’s	4A	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Leisler’s	4B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Leisler’s	4C	0.0	0.0	0.0	0.0	NA	0.0	0.0
Leisler’s	5A	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Leisler’s	5B	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Leisler’s	5C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Leisler’s	6A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Leisler’s	6B	0.0	0.0	0.1	0.0	0.0	0.0	0.1
Leisler’s	6C	0.0	0.0	0.0	0.0	0.0	3.5	0.0
Leisler’s	8A	NA	0.0	0.0	0.5	0.0	0.0	0.0
Leisler’s	8B	NA	0.0	0.0	0.0	0.0	0.0	0.3
Leisler’s	8C	NA	0.0	0.0	0.7	0.0	0.0	0.0
Leisler’s	9A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Leisler’s	9B	0.0	0.0	0.0	0.3	0.0	0.0	0.0
Leisler’s	9C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lesser horseshoe	10A	NA	0.3	0.0	0.1	0.0	1.0	0.0
Lesser horseshoe	10B	NA	0.0	0.0	0.0	0.1	0.0	0.0
Lesser horseshoe	10C	NA	0.0	0.0	NA	0.0	0.0	0.1
Lesser horseshoe	11A	NA	0.0	0.0	0.0	0.0	0.0	0.0
Lesser horseshoe	11B	NA	0.0	0.0	0.0	0.0	0.0	0.0
Lesser horseshoe	11C	NA	0.0	0.0	0.0	0.0	0.0	0.0
Lesser horseshoe	12A	NA	0.0	0.0	0.0	0.0	0.0	0.0
Lesser horseshoe	12B	NA	0.0	0.0	0.0	0.0	0.0	0.0
Lesser horseshoe	12C	NA	0.0	0.0	0.0	0.0	0.0	0.0
Lesser horseshoe	13A	NA	0.0	0.0	0.0	0.0	0.0	0.0
Lesser horseshoe	13B	NA	0.0	0.0	0.0	0.0	0.0	0.0

Lesser horseshoe	13C	NA	0.0	0.0	0.0	0.0	0.0	0.0
Lesser horseshoe	2A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lesser horseshoe	2B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lesser horseshoe	2C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lesser horseshoe	4A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lesser horseshoe	4B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lesser horseshoe	4C	0.0	0.0	0.0	0.0	NA	0.0	0.0
Lesser horseshoe	5A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lesser horseshoe	5B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lesser horseshoe	5C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lesser horseshoe	6A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lesser horseshoe	6B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lesser horseshoe	6C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lesser horseshoe	8A	NA	0.0	0.0	0.0	0.0	0.0	0.0
Lesser horseshoe	8B	NA	0.0	0.0	0.0	0.0	0.0	0.0
Lesser horseshoe	8C	NA	0.0	0.0	0.0	0.0	0.0	0.0
Lesser horseshoe	9A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lesser horseshoe	9B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lesser horseshoe	9C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long-eared bats	10A	NA	0.1	0.0	0.0	0.0	0.2	0.0
Long-eared bats	10B	NA	0.0	0.0	0.0	0.1	0.0	0.0
Long-eared bats	10C	NA	0.2	0.0	NA	0.1	0.0	0.0
Long-eared bats	11A	NA	0.0	0.0	0.0	0.0	0.0	0.0
Long-eared bats	11B	NA	0.0	0.0	0.0	0.0	0.0	0.0
Long-eared bats	11C	NA	0.0	0.0	0.0	0.0	0.0	0.0
Long-eared bats	12A	NA	0.0	0.0	0.0	0.0	0.0	0.0
Long-eared bats	12B	NA	0.0	0.0	0.0	0.0	0.0	0.0
Long-eared bats	12C	NA	0.0	0.0	0.0	0.0	0.0	0.0
Long-eared bats	13A	NA	0.0	0.0	0.0	0.0	0.0	0.0
Long-eared bats	13B	NA	0.0	0.0	0.0	0.0	0.0	0.0
Long-eared bats	13C	NA	0.0	0.0	0.0	0.0	0.0	0.0
Long-eared bats	2A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long-eared bats	2B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long-eared bats	2C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long-eared bats	4A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long-eared bats	4B	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Long-eared bats	4C	0.0	0.0	0.0	0.0	NA	0.0	0.0
Long-eared bats	5A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long-eared bats	5B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long-eared bats	5C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long-eared bats	6A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long-eared bats	6B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long-eared bats	6C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long-eared bats	8A	NA	0.0	0.0	0.0	0.0	0.0	0.0
Long-eared bats	8B	NA	0.0	0.0	0.0	0.0	0.0	0.0
Long-eared bats	8C	NA	0.0	0.0	0.0	0.0	0.0	0.0
Long-eared bats	9A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long-eared bats	9B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long-eared bats	9C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Myotis	10A	NA	4.9	0.4	0.1	9.6	3.4	0.0
Myotis	10B	NA	0.1	0.2	0.0	0.9	0.4	0.0
Myotis	10C	NA	0.1	0.1	NA	0.9	0.4	0.7
Myotis	11A	NA	0.1	0.4	0.7	0.6	6.1	0.9
Myotis	11B	NA	1.9	0.4	0.0	18.2	1.5	0.0
Myotis	11C	NA	0.1	0.0	0.1	0.1	0.1	0.0
Myotis	12A	NA	0.3	1.4	0.3	0.1	0.7	1.0
Myotis	12B	NA	2.9	1.3	0.5	3.0	0.4	0.3
Myotis	12C	NA	0.0	0.2	0.1	0.0	0.2	0.0
Myotis	13A	NA	0.0	0.8	0.0	0.0	0.0	0.0
Myotis	13B	NA	0.4	0.4	0.0	0.0	0.0	0.1
Myotis	13C	NA	0.3	0.0	0.0	0.0	0.0	0.0
Myotis	2A	0.1	0.2	0.3	0.1	0.1	0.2	0.2
Myotis	2B	0.1	0.1	0.1	0.3	0.8	0.1	0.3
Myotis	2C	0.1	0.1	0.2	0.1	0.9	0.0	0.2
Myotis	4A	0.0	0.0	0.0	0.0	0.5	0.0	0.0
Myotis	4B	0.0	0.6	1.4	0.3	0.5	0.3	0.6
Myotis	4C	0.7	0.7	0.0	0.7	NA	0.1	0.1
Myotis	5A	0.1	0.6	0.1	0.0	0.4	0.0	0.6
Myotis	5B	0.4	0.2	0.2	0.8	0.6	0.0	0.0
Myotis	5C	1.7	0.0	0.0	0.5	0.1	1.1	0.3
Myotis	6A	0.0	0.1	0.4	0.4	0.2	0.0	1.3
Myotis	6B	0.0	0.6	0.3	0.1	0.0	0.0	2.0

Myotis	6C	0.2	0.0	0.5	0.0	0.0	6.0	1.2
Myotis	8A	NA	0.0	0.0	0.0	0.0	0.8	0.1
Myotis	8B	NA	0.1	0.4	0.4	1.1	1.3	1.8
Myotis	8C	NA	0.1	0.0	0.0	0.0	0.8	0.4
Myotis	9A	0.1	0.1	0.1	0.8	1.3	0.0	0.3
Myotis	9B	0.0	1.0	0.5	0.1	3.4	0.0	0.3
Myotis	9C	0.1	0.0	0.2	0.3	0.6	0.0	0.0
Nathusius’	10A	NA	0.0	0.0	0.5	0.0	0.1	0.0
Nathusius’	10B	NA	0.0	0.0	0.0	0.0	0.0	0.0
Nathusius’	10C	NA	0.0	0.0	NA	0.0	0.0	0.0
Nathusius’	11A	NA	0.0	0.0	0.3	0.1	0.0	0.0
Nathusius’	11B	NA	0.0	0.0	0.1	0.0	0.0	0.0
Nathusius’	11C	NA	0.0	0.0	0.4	0.0	0.0	0.0
Nathusius’	12A	NA	0.0	0.0	0.0	0.0	0.0	0.0
Nathusius’	12B	NA	0.0	0.0	0.0	0.0	0.0	0.0
Nathusius’	12C	NA	0.0	0.0	0.0	0.0	0.0	0.4
Nathusius’	13A	NA	0.0	0.0	0.1	0.0	0.0	0.1
Nathusius’	13B	NA	0.0	0.0	0.0	0.0	0.0	0.1
Nathusius’	13C	NA	0.0	0.0	0.0	0.0	0.0	0.2
Nathusius’	2A	0.0	0.0	0.0	0.4	0.0	0.0	0.0
Nathusius’	2B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nathusius’	2C	0.2	0.0	0.1	0.0	0.0	0.0	0.0
Nathusius’	4A	0.0	0.0	0.0	0.0	0.7	0.0	0.0
Nathusius’	4B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nathusius’	4C	0.0	0.0	0.0	0.0	NA	0.0	0.0
Nathusius’	5A	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Nathusius’	5B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nathusius’	5C	0.1	0.0	0.0	0.0	0.0	0.0	0.1
Nathusius’	6A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nathusius’	6B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nathusius’	6C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nathusius’	8A	NA	0.0	0.0	0.0	0.0	0.0	0.0
Nathusius’	8B	NA	0.0	0.0	0.0	0.0	0.0	0.0
Nathusius’	8C	NA	0.0	0.0	0.5	0.0	0.0	0.0
Nathusius’	9A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nathusius’	9B	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Nathusius'	9C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Noctule	10A	NA	1.8	0.6	1.6	0.9	0.2	0.1
Noctule	10B	NA	0.3	0.2	0.4	0.4	0.1	0.1
Noctule	10C	NA	0.6	0.4	NA	3.1	0.2	0.5
Noctule	11A	NA	0.0	0.1	1.9	0.1	0.0	0.4
Noctule	11B	NA	0.2	0.0	0.0	0.5	0.1	0.0
Noctule	11C	NA	0.0	0.1	1.1	0.5	0.0	0.0
Noctule	12A	NA	0.0	0.9	0.7	2.2	0.1	0.1
Noctule	12B	NA	0.3	0.1	0.6	1.3	0.1	0.1
Noctule	12C	NA	0.6	0.6	0.3	0.7	0.0	0.4
Noctule	13A	NA	0.1	3.2	1.6	1.8	0.2	0.5
Noctule	13B	NA	4.4	1.1	0.8	0.4	0.1	0.7
Noctule	13C	NA	3.8	1.2	0.8	1.0	0.1	2.0
Noctule	2A	1.6	0.1	1.1	1.4	3.2	0.1	0.1
Noctule	2B	1.2	0.0	0.2	1.3	4.2	0.0	0.2
Noctule	2C	0.8	0.2	0.1	0.8	2.4	0.0	0.1
Noctule	4A	0.5	0.8	0.3	0.4	0.0	0.0	0.1
Noctule	4B	0.5	0.0	0.9	0.1	0.2	0.0	0.1
Noctule	4C	0.0	0.5	2.1	0.4	NA	0.0	0.0
Noctule	5A	0.3	0.4	0.0	0.8	0.1	0.1	0.0
Noctule	5B	0.0	0.1	0.1	0.5	1.4	0.0	0.0
Noctule	5C	0.0	0.1	0.4	0.7	0.1	0.1	0.0
Noctule	6A	0.1	0.1	0.3	0.0	0.0	0.2	0.1
Noctule	6B	0.1	0.8	0.5	0.4	0.1	0.0	0.1
Noctule	6C	0.0	0.0	0.5	0.3	0.1	0.0	0.8
Noctule	8A	NA	2.4	0.8	0.5	0.3	0.2	0.2
Noctule	8B	NA	0.1	1.8	0.8	1.4	0.7	0.9
Noctule	8C	NA	0.7	0.8	0.7	0.3	0.2	0.2
Noctule	9A	0.8	0.1	0.1	0.4	0.6	0.1	0.1
Noctule	9B	0.4	0.3	0.4	1.5	0.1	0.1	0.0
Noctule	9C	0.1	0.1	0.5	0.4	0.0	0.2	0.0
Nyctaloid	10A	NA	3.1	0.6	0.0	2.2	1.2	0.0
Nyctaloid	10B	NA	0.0	0.0	0.0	2.9	0.4	0.0
Nyctaloid	10C	NA	1.6	0.0	NA	0.0	0.2	1.1
Nyctaloid	11A	NA	0.0	0.0	1.7	0.4	1.1	0.0
Nyctaloid	11B	NA	2.1	0.5	0.0	4.7	0.5	0.0

Nyctaloid	11C	NA	0.0	0.0	4.6	0.0	0.0	0.0
Nyctaloid	12A	NA	0.0	0.0	0.0	0.0	0.3	0.0
Nyctaloid	12B	NA	0.0	0.0	0.0	0.0	1.3	0.3
Nyctaloid	12C	NA	0.0	0.0	0.1	0.0	0.2	0.0
Nyctaloid	13A	NA	0.0	0.0	0.0	0.0	0.0	0.0
Nyctaloid	13B	NA	0.0	0.0	0.0	0.0	0.0	0.0
Nyctaloid	13C	NA	0.0	0.0	0.0	0.0	0.0	0.0
Nyctaloid	2A	2.1	0.0	1.4	2.0	3.9	0.2	0.2
Nyctaloid	2B	0.0	0.0	0.5	2.0	0.0	0.0	0.3
Nyctaloid	2C	0.0	1.2	0.7	0.9	4.3	0.0	0.0
Nyctaloid	4A	4.1	0.9	0.1	0.0	0.0	0.0	0.0
Nyctaloid	4B	4.0	0.0	1.4	0.3	0.0	0.0	0.2
Nyctaloid	4C	0.0	0.7	4.2	0.0	NA	0.0	0.0
Nyctaloid	5A	0.1	0.9	0.0	2.0	0.0	0.3	0.0
Nyctaloid	5B	0.2	1.1	0.0	1.3	0.7	0.0	0.0
Nyctaloid	5C	0.0	0.4	1.0	0.4	0.0	0.2	0.0
Nyctaloid	6A	0.3	0.2	0.0	0.7	0.2	0.0	0.4
Nyctaloid	6B	0.0	2.6	2.7	0.8	0.0	3.1	0.0
Nyctaloid	6C	0.0	0.6	0.0	0.0	0.2	0.0	3.8
Nyctaloid	8A	NA	5.2	0.9	0.0	0.0	0.5	0.0
Nyctaloid	8B	NA	0.0	2.7	1.5	1.9	2.5	0.0
Nyctaloid	8C	NA	1.7	0.9	0.0	0.0	0.5	0.0
Nyctaloid	9A	0.0	0.0	0.0	0.0	0.8	0.0	0.0
Nyctaloid	9B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nyctaloid	9C	0.0	0.0	0.6	1.3	0.0	0.0	0.0
Nyctalus	10A	NA	0.0	0.0	0.0	0.0	0.0	0.0
Nyctalus	10B	NA	0.0	0.0	0.0	0.0	0.0	0.0
Nyctalus	10C	NA	0.0	0.0	NA	0.0	0.0	0.0
Nyctalus	11A	NA	0.0	0.0	0.0	0.0	0.0	0.0
Nyctalus	11B	NA	0.0	0.0	0.0	0.0	0.0	0.0
Nyctalus	11C	NA	0.0	0.0	0.0	0.0	0.0	0.0
Nyctalus	12A	NA	0.0	0.0	0.0	0.0	0.0	0.0
Nyctalus	12B	NA	0.0	0.1	1.0	0.0	0.0	0.0
Nyctalus	12C	NA	0.0	0.0	0.0	0.0	0.0	0.0
Nyctalus	13A	NA	0.0	0.0	0.0	0.0	0.2	0.0
Nyctalus	13B	NA	0.0	0.0	0.0	0.0	0.0	0.0

Nyctalus	13C	NA	4.5	0.0	0.0	0.0	0.0	0.0
Nyctalus	2A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nyctalus	2B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nyctalus	2C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nyctalus	4A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nyctalus	4B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nyctalus	4C	0.0	0.0	0.0	0.0	NA	0.0	0.0
Nyctalus	5A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nyctalus	5B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nyctalus	5C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nyctalus	6A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nyctalus	6B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nyctalus	6C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nyctalus	8A	NA	0.0	0.0	0.0	0.0	0.0	0.0
Nyctalus	8B	NA	0.0	0.0	0.0	0.0	0.0	0.0
Nyctalus	8C	NA	0.0	0.0	0.0	0.0	0.0	0.0
Nyctalus	9A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nyctalus	9B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nyctalus	9C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pipistrellus	10A	NA	0.0	0.0	0.0	0.0	9.6	0.0
Pipistrellus	10B	NA	0.0	0.0	13.7	2.9	0.6	0.0
Pipistrellus	10C	NA	0.2	0.0	NA	9.5	0.0	0.0
Pipistrellus	11A	NA	0.0	3.5	23.9	4.5	0.0	0.0
Pipistrellus	11B	NA	0.0	0.0	0.0	0.0	0.0	0.0
Pipistrellus	11C	NA	0.0	0.0	0.0	6.0	0.0	0.0
Pipistrellus	12A	NA	0.0	17.4	0.0	10.6	1.3	0.0
Pipistrellus	12B	NA	25.1	0.0	0.0	18.3	0.0	0.0
Pipistrellus	12C	NA	0.0	0.0	0.0	20.1	0.0	0.0
Pipistrellus	13A	NA	0.0	0.0	0.0	0.0	0.0	4.9
Pipistrellus	13B	NA	9.4	0.0	0.0	0.0	0.0	2.6
Pipistrellus	13C	NA	11.2	0.0	0.0	0.0	0.0	7.2
Pipistrellus	2A	8.8	41.9	0.0	18.2	0.0	0.0	0.0
Pipistrellus	2B	0.0	0.0	0.0	0.0	7.4	0.0	0.0
Pipistrellus	2C	0.0	0.0	0.0	27.6	4.8	0.0	4.2
Pipistrellus	4A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pipistrellus	4B	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Pipistrellus	4C	0.0	0.3	0.0	0.0	NA	0.0	0.0
Pipistrellus	5A	0.0	0.0	0.2	0.0	0.0	0.0	0.0
Pipistrellus	5B	0.0	6.6	0.0	0.0	0.0	0.0	0.0
Pipistrellus	5C	0.0	0.0	0.0	1.3	0.0	0.0	4.4
Pipistrellus	6A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pipistrellus	6B	0.0	2.3	0.0	19.9	0.0	0.0	10.8
Pipistrellus	6C	0.0	0.0	0.0	0.0	0.0	9.0	38.4
Pipistrellus	8A	NA	0.0	19.1	21.5	0.0	0.0	0.0
Pipistrellus	8B	NA	0.0	0.0	13.3	28.9	0.0	27.1
Pipistrellus	8C	NA	0.0	19.1	0.0	0.0	0.0	0.0
Pipistrellus	9A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pipistrellus	9B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pipistrellus	9C	0.0	1.6	0.0	0.0	0.0	0.0	0.0
Serotine	10A	NA	1.3	0.1	0.7	0.2	0.9	0.0
Serotine	10B	NA	0.3	0.0	0.1	2.4	0.0	0.0
Serotine	10C	NA	0.8	0.0	NA	0.5	0.2	0.1
Serotine	11A	NA	0.0	0.2	0.8	0.2	1.0	0.3
Serotine	11B	NA	0.9	0.2	0.0	2.8	0.3	0.3
Serotine	11C	NA	0.9	0.1	2.7	0.4	0.0	0.3
Serotine	12A	NA	0.0	0.2	0.2	0.2	0.0	0.2
Serotine	12B	NA	0.4	0.0	1.8	0.1	0.0	0.2
Serotine	12C	NA	0.1	0.0	0.0	0.6	0.1	0.0
Serotine	13A	NA	0.0	0.0	0.0	0.1	0.0	0.0
Serotine	13B	NA	0.9	0.1	0.0	0.0	0.0	0.0
Serotine	13C	NA	0.4	0.0	0.0	0.1	0.0	0.0
Serotine	2A	0.2	0.0	0.4	0.0	0.2	0.0	0.0
Serotine	2B	0.2	0.0	0.1	0.0	11.1	0.0	0.0
Serotine	2C	0.4	0.6	0.3	0.0	0.8	0.0	0.0
Serotine	4A	2.8	0.0	0.0	0.0	0.2	0.5	0.0
Serotine	4B	2.5	0.0	0.4	0.0	0.1	0.1	0.0
Serotine	4C	0.0	0.1	1.6	0.0	NA	0.2	0.0
Serotine	5A	0.0	0.3	0.0	0.5	0.2	0.1	0.3
Serotine	5B	0.0	0.2	0.1	0.5	0.4	0.0	0.0
Serotine	5C	0.0	0.1	0.3	0.0	0.0	0.4	0.1
Serotine	6A	0.0	0.0	0.0	0.1	0.1	0.0	0.2
Serotine	6B	0.0	0.5	1.8	0.0	0.2	2.9	0.1

Serotine	6C	0.2	0.3	0.1	0.0	0.0	1.7	1.4
Serotine	8A	NA	0.6	0.1	0.1	0.0	0.4	0.2
Serotine	8B	NA	0.2	0.6	0.4	0.2	1.4	0.7
Serotine	8C	NA	0.4	0.1	0.0	0.0	0.4	0.0
Serotine	9A	0.1	0.0	0.1	0.0	0.1	0.0	0.0
Serotine	9B	0.6	0.1	0.0	0.5	0.0	0.0	0.0
Serotine	9C	0.0	0.1	0.0	0.4	0.0	0.0	0.0
Soprano pipistrelle	10A	NA	1.9	0.5	0.3	1.0	7.4	0.0
Soprano pipistrelle	10B	NA	0.4	0.2	1.1	0.1	1.2	0.1
Soprano pipistrelle	10C	NA	0.0	0.0	NA	0.5	0.1	1.1
Soprano pipistrelle	11A	NA	0.0	0.0	0.0	0.0	0.0	0.0
Soprano pipistrelle	11B	NA	7.9	1.1	0.0	9.1	0.0	0.8
Soprano pipistrelle	11C	NA	0.1	0.0	0.5	0.6	0.0	0.8
Soprano pipistrelle	12A	NA	0.0	0.0	0.0	0.0	0.0	0.0
Soprano pipistrelle	12B	NA	0.0	0.0	0.0	0.0	0.0	0.6
Soprano pipistrelle	12C	NA	0.0	0.0	0.0	0.0	0.0	0.0
Soprano pipistrelle	13A	NA	0.0	0.0	0.0	0.0	0.0	0.0
Soprano pipistrelle	13B	NA	0.0	0.0	0.0	0.0	0.0	0.0
Soprano pipistrelle	13C	NA	0.0	0.0	0.0	0.0	0.0	0.0
Soprano pipistrelle	2A	1.0	0.0	2.0	0.5	0.7	0.0	0.0
Soprano pipistrelle	2B	0.3	1.2	0.1	0.3	0.0	0.0	0.0
Soprano pipistrelle	2C	0.2	0.5	0.1	10.0	0.3	0.0	0.0
Soprano pipistrelle	4A	0.1	0.6	0.0	2.0	7.7	0.0	0.0
Soprano pipistrelle	4B	0.1	0.0	0.2	0.0	0.5	0.0	0.0
Soprano pipistrelle	4C	0.3	0.0	0.8	1.2	NA	0.1	0.1
Soprano pipistrelle	5A	0.0	0.6	0.0	0.1	0.0	0.0	0.0
Soprano pipistrelle	5B	0.5	3.2	1.0	0.7	0.4	0.0	0.0
Soprano pipistrelle	5C	0.2	0.6	0.4	0.1	0.0	0.0	0.0
Soprano pipistrelle	6A	0.0	0.2	0.1	0.0	0.2	0.0	0.0
Soprano pipistrelle	6B	0.0	0.2	0.4	11.3	0.0	0.0	0.0
Soprano pipistrelle	6C	0.4	0.0	0.0	1.1	0.0	0.0	0.0
Soprano pipistrelle	8A	NA	3.3	1.1	0.4	0.0	2.5	1.6
Soprano pipistrelle	8B	NA	2.9	2.0	2.3	4.5	7.4	0.0
Soprano pipistrelle	8C	NA	1.7	1.1	0.7	0.0	2.5	0.9
Soprano pipistrelle	9A	4.5	0.2	11.4	4.0	2.8	0.0	1.1
Soprano pipistrelle	9B	0.1	0.0	0.0	0.0	0.2	0.1	0.0

Soprano pipistrelle	9C	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Nightly Bat Pass Rate for each Month

Mean per Detector

Table 26. The mean Nightly Pass Rate (bat passes per hour, per night) of each species throughout each month. Values are given to 1 decimal place.

We recommend using the median values given above, for the reasons stated above, but provide the mean values in the table below.

Species	Detector ID	Apr	Aug	Jul	Jun	May	Oct	Sep
Barbastelle	10A	NA	0.8	0.2	0.1	0.2	0.2	0.0
Barbastelle	10B	NA	0.1	0.0	0.0	0.0	0.0	0.0
Barbastelle	10C	NA	0.0	0.0	NA	0.0	0.0	0.0
Barbastelle	11A	NA	0.0	0.0	0.2	0.1	0.4	0.5
Barbastelle	11B	NA	0.2	0.0	0.0	0.0	0.1	0.0
Barbastelle	11C	NA	0.0	0.0	0.0	0.0	0.1	0.0
Barbastelle	12A	NA	0.0	0.0	0.0	0.0	0.0	0.0
Barbastelle	12B	NA	0.1	0.0	0.0	0.0	0.0	0.0
Barbastelle	12C	NA	0.0	0.0	0.0	0.1	0.2	0.0
Barbastelle	13A	NA	0.0	0.0	0.0	0.0	0.0	0.0
Barbastelle	13B	NA	0.2	0.1	0.0	0.0	0.0	0.1
Barbastelle	13C	NA	0.0	0.0	0.0	0.0	0.0	0.3
Barbastelle	2A	0.0	0.0	0.1	0.0	0.0	0.0	0.1
Barbastelle	2B	0.0	0.0	0.0	0.0	0.4	0.2	0.2
Barbastelle	2C	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Barbastelle	4A	0.0	0.0	0.0	0.0	0.3	0.0	0.0
Barbastelle	4B	0.0	0.0	0.0	0.0	0.2	0.1	0.0
Barbastelle	4C	0.0	0.2	0.1	0.0	NA	0.0	0.0
Barbastelle	5A	0.0	0.1	0.0	0.0	0.1	0.0	1.0
Barbastelle	5B	0.0	0.1	0.2	0.0	0.0	0.0	0.0
Barbastelle	5C	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Barbastelle	6A	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Barbastelle	6B	0.0	0.1	0.0	0.0	0.1	0.0	0.3
Barbastelle	6C	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Barbastelle	8A	NA	0.0	0.0	0.0	0.0	0.0	0.0
Barbastelle	8B	NA	0.1	0.0	0.2	0.0	0.0	7.4

Barbastelle	8C	NA	0.0	0.0	0.1	0.0	0.0	0.1
Barbastelle	9A	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Barbastelle	9B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barbastelle	9C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Common pipistrelle	10A	NA	2.7	5.8	49.8	4.0	1.8	0.2
Common pipistrelle	10B	NA	0.4	1.0	13.8	2.0	7.2	0.1
Common pipistrelle	10C	NA	1.1	4.4	NA	8.1	1.1	1.6
Common pipistrelle	11A	NA	5.7	6.1	51.8	12.3	29.3	2.1
Common pipistrelle	11B	NA	49.6	9.8	0.7	24.9	15.9	5.8
Common pipistrelle	11C	NA	24.8	16.7	13.4	8.8	0.2	5.8
Common pipistrelle	12A	NA	20.7	7.1	2.7	3.2	1.1	1.1
Common pipistrelle	12B	NA	13.9	3.6	5.9	7.5	2.4	0.9
Common pipistrelle	12C	NA	3.4	25.7	6.6	9.2	1.6	2.2
Common pipistrelle	13A	NA	0.4	5.5	3.2	4.4	0.6	3.9
Common pipistrelle	13B	NA	6.9	15.8	0.4	66.6	0.3	12.7
Common pipistrelle	13C	NA	10.4	1.9	0.4	0.7	0.2	6.3
Common pipistrelle	2A	12.5	25.6	44.6	33.3	8.4	0.9	2.1
Common pipistrelle	2B	0.8	1.1	1.3	10.7	7.1	18.5	2.0
Common pipistrelle	2C	13.7	9.1	10.6	22.4	24.9	0.8	2.6
Common pipistrelle	4A	0.9	4.5	0.2	1.1	5.5	0.2	0.7
Common pipistrelle	4B	0.9	0.0	3.0	0.0	1.5	0.0	0.2
Common pipistrelle	4C	3.4	1.7	14.1	0.0	NA	0.1	0.0
Common pipistrelle	5A	0.5	1.6	0.2	1.2	2.9	0.1	3.3
Common pipistrelle	5B	6.3	0.0	9.8	3.9	23.6	0.3	0.8
Common pipistrelle	5C	13.7	20.3	4.2	0.9	1.1	3.4	3.2
Common pipistrelle	6A	1.5	0.0	0.5	5.7	8.6	0.0	6.4
Common pipistrelle	6B	0.0	2.1	9.1	9.7	1.9	0.0	12.3
Common pipistrelle	6C	27.1	0.0	0.5	40.8	0.3	6.3	29.6
Common pipistrelle	8A	NA	32.5	17.3	16.5	14.1	5.1	1.2
Common pipistrelle	8B	NA	5.0	18.4	9.1	25.4	18.0	13.7
Common pipistrelle	8C	NA	18.8	17.3	14.5	14.1	5.1	2.1
Common pipistrelle	9A	0.9	0.0	0.0	0.0	0.5	0.0	0.0
Common pipistrelle	9B	1.8	0.3	0.0	19.1	1.4	7.7	0.0
Common pipistrelle	9C	30.9	3.1	8.4	3.9	36.6	6.3	2.7
Greater horseshoe	10A	NA	0.1	0.0	0.0	0.1	0.0	0.0
Greater horseshoe	10B	NA	0.0	0.0	0.0	0.0	0.0	0.0

Greater horseshoe	10C	NA	0.0	0.0	NA	0.0	0.0	0.0
Greater horseshoe	11A	NA	0.0	0.0	0.0	0.0	0.0	0.0
Greater horseshoe	11B	NA	0.0	0.0	0.0	0.0	0.0	0.0
Greater horseshoe	11C	NA	0.0	0.0	0.0	0.0	0.0	0.0
Greater horseshoe	12A	NA	0.0	0.0	0.0	0.0	0.0	0.0
Greater horseshoe	12B	NA	0.0	0.0	0.0	0.0	0.0	0.0
Greater horseshoe	12C	NA	0.0	0.0	0.0	0.0	0.0	0.0
Greater horseshoe	13A	NA	0.0	0.0	0.0	0.0	0.0	0.0
Greater horseshoe	13B	NA	0.0	0.0	0.0	0.0	0.0	0.0
Greater horseshoe	13C	NA	0.0	0.0	0.0	0.0	0.0	0.0
Greater horseshoe	2A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Greater horseshoe	2B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Greater horseshoe	2C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Greater horseshoe	4A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Greater horseshoe	4B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Greater horseshoe	4C	0.0	0.0	0.0	0.0	NA	0.0	0.0
Greater horseshoe	5A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Greater horseshoe	5B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Greater horseshoe	5C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Greater horseshoe	6A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Greater horseshoe	6B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Greater horseshoe	6C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Greater horseshoe	8A	NA	0.0	0.0	0.0	0.0	0.0	0.0
Greater horseshoe	8B	NA	0.0	0.0	0.0	0.0	0.0	0.0
Greater horseshoe	8C	NA	0.0	0.0	0.0	0.0	0.0	0.0
Greater horseshoe	9A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Greater horseshoe	9B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Greater horseshoe	9C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Leisler’s	10A	NA	0.0	0.0	0.2	0.1	0.0	0.0
Leisler’s	10B	NA	0.1	0.1	0.1	0.0	0.0	0.0
Leisler’s	10C	NA	0.0	0.0	NA	0.0	0.0	0.0
Leisler’s	11A	NA	0.0	0.0	0.0	0.0	0.0	0.0
Leisler’s	11B	NA	0.0	0.0	0.0	0.0	0.0	0.0
Leisler’s	11C	NA	0.0	0.1	0.0	0.0	0.0	0.0
Leisler’s	12A	NA	0.0	0.0	0.0	0.1	0.0	0.0
Leisler’s	12B	NA	0.0	0.0	0.0	1.0	0.0	0.0

Leisler’s	12C	NA	0.1	0.1	0.0	0.0	0.0	0.0
Leisler’s	13A	NA	0.0	0.8	0.1	0.3	0.0	0.6
Leisler’s	13B	NA	1.1	0.2	0.2	0.0	0.1	0.3
Leisler’s	13C	NA	0.0	0.3	0.2	0.2	0.0	0.6
Leisler’s	2A	0.1	0.0	0.2	0.2	0.1	0.0	0.0
Leisler’s	2B	0.0	0.0	0.0	0.0	6.6	0.1	0.0
Leisler’s	2C	0.3	0.0	0.0	0.0	0.1	0.0	0.1
Leisler’s	4A	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Leisler’s	4B	0.1	0.0	0.1	0.0	0.0	0.0	0.0
Leisler’s	4C	0.0	0.0	0.0	0.1	NA	0.0	0.0
Leisler’s	5A	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Leisler’s	5B	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Leisler’s	5C	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Leisler’s	6A	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Leisler’s	6B	0.0	0.0	0.2	0.0	0.0	0.0	0.1
Leisler’s	6C	0.0	0.0	0.0	0.0	0.0	3.5	0.0
Leisler’s	8A	NA	0.0	0.0	0.4	0.0	0.0	0.0
Leisler’s	8B	NA	0.0	0.0	0.0	0.0	0.0	0.3
Leisler’s	8C	NA	0.1	0.0	0.5	0.0	0.0	0.0
Leisler’s	9A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Leisler’s	9B	0.0	0.0	0.0	0.3	0.0	0.0	0.0
Leisler’s	9C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lesser horseshoe	10A	NA	0.4	0.0	0.2	0.1	1.0	0.0
Lesser horseshoe	10B	NA	0.0	0.0	0.0	0.4	0.0	0.1
Lesser horseshoe	10C	NA	0.0	0.0	NA	0.0	0.0	0.1
Lesser horseshoe	11A	NA	0.0	0.0	0.0	0.0	0.0	0.0
Lesser horseshoe	11B	NA	0.0	0.0	0.0	0.0	0.0	0.0
Lesser horseshoe	11C	NA	0.0	0.0	0.0	0.0	0.0	0.0
Lesser horseshoe	12A	NA	0.0	0.0	0.0	0.0	0.0	0.0
Lesser horseshoe	12B	NA	0.0	0.0	0.0	0.0	0.0	0.0
Lesser horseshoe	12C	NA	0.0	0.0	0.0	0.0	0.0	0.0
Lesser horseshoe	13A	NA	0.0	0.0	0.0	0.0	0.0	0.0
Lesser horseshoe	13B	NA	0.0	0.0	0.0	0.0	0.0	0.0
Lesser horseshoe	13C	NA	0.0	0.0	0.0	0.0	0.0	0.0
Lesser horseshoe	2A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lesser horseshoe	2B	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Lesser horseshoe	2C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lesser horseshoe	4A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lesser horseshoe	4B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lesser horseshoe	4C	0.0	0.0	0.0	0.0	NA	0.0	0.0
Lesser horseshoe	5A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lesser horseshoe	5B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lesser horseshoe	5C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lesser horseshoe	6A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lesser horseshoe	6B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lesser horseshoe	6C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lesser horseshoe	8A	NA	0.0	0.0	0.0	0.0	0.0	0.0
Lesser horseshoe	8B	NA	0.0	0.0	0.0	0.0	0.0	0.0
Lesser horseshoe	8C	NA	0.0	0.0	0.0	0.0	0.0	0.0
Lesser horseshoe	9A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lesser horseshoe	9B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lesser horseshoe	9C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long-eared bats	10A	NA	0.2	0.0	0.0	0.1	0.2	0.0
Long-eared bats	10B	NA	0.0	0.0	0.0	0.1	0.0	0.0
Long-eared bats	10C	NA	0.3	0.0	NA	0.1	0.0	0.0
Long-eared bats	11A	NA	0.0	0.0	0.0	0.0	0.0	0.0
Long-eared bats	11B	NA	0.0	0.0	0.0	0.0	0.0	0.0
Long-eared bats	11C	NA	0.1	0.0	0.1	0.0	0.0	0.0
Long-eared bats	12A	NA	0.0	0.0	0.0	0.0	0.0	0.0
Long-eared bats	12B	NA	0.0	0.0	0.0	0.0	0.0	0.0
Long-eared bats	12C	NA	0.0	0.0	0.0	0.0	0.0	0.0
Long-eared bats	13A	NA	0.0	0.0	0.0	0.0	0.0	0.0
Long-eared bats	13B	NA	0.0	0.0	0.0	0.0	0.0	0.0
Long-eared bats	13C	NA	0.0	0.0	0.0	0.0	0.0	0.0
Long-eared bats	2A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long-eared bats	2B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long-eared bats	2C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long-eared bats	4A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long-eared bats	4B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long-eared bats	4C	0.0	0.0	0.0	0.0	NA	0.0	0.0
Long-eared bats	5A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long-eared bats	5B	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Long-eared bats	5C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long-eared bats	6A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long-eared bats	6B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long-eared bats	6C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long-eared bats	8A	NA	0.0	0.0	0.0	0.0	0.0	0.0
Long-eared bats	8B	NA	0.0	0.0	0.0	0.0	0.0	0.0
Long-eared bats	8C	NA	0.0	0.0	0.0	0.0	0.0	0.0
Long-eared bats	9A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long-eared bats	9B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long-eared bats	9C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Myotis	10A	NA	4.6	4.6	0.1	18.1	3.4	0.0
Myotis	10B	NA	0.3	0.5	0.0	1.1	0.6	0.1
Myotis	10C	NA	0.1	0.2	NA	0.8	0.5	0.6
Myotis	11A	NA	0.2	0.3	0.5	0.7	10.5	1.0
Myotis	11B	NA	1.8	1.4	0.0	14.0	1.5	0.0
Myotis	11C	NA	0.1	0.0	0.2	0.2	0.0	0.0
Myotis	12A	NA	0.8	1.5	0.5	0.2	0.7	1.6
Myotis	12B	NA	2.9	1.3	0.5	2.9	0.5	0.8
Myotis	12C	NA	0.0	0.2	0.1	0.0	0.6	0.0
Myotis	13A	NA	0.0	1.2	0.0	0.0	0.0	0.0
Myotis	13B	NA	0.6	0.3	0.0	0.0	0.0	0.1
Myotis	13C	NA	0.3	0.2	0.0	0.0	0.0	0.0
Myotis	2A	0.2	0.2	0.3	0.2	0.1	0.2	0.2
Myotis	2B	0.2	0.1	0.3	0.3	0.9	0.2	0.3
Myotis	2C	0.3	0.2	0.6	0.1	0.9	0.0	0.2
Myotis	4A	0.1	0.0	0.0	0.0	0.5	0.0	0.0
Myotis	4B	0.1	1.0	1.7	1.2	1.5	0.8	0.7
Myotis	4C	1.1	0.7	0.0	1.4	NA	0.1	0.2
Myotis	5A	0.2	0.6	0.1	0.0	0.6	0.0	0.8
Myotis	5B	0.7	0.7	0.2	1.1	0.6	0.0	0.0
Myotis	5C	1.7	0.3	0.1	0.6	0.2	1.2	0.6
Myotis	6A	0.0	0.1	0.4	0.4	0.4	0.0	1.4
Myotis	6B	0.0	0.7	0.4	0.2	0.0	0.0	2.4
Myotis	6C	13.8	0.1	1.1	0.0	0.0	5.7	1.5
Myotis	8A	NA	0.5	0.0	0.0	0.1	1.1	0.1
Myotis	8B	NA	0.2	0.4	0.6	1.0	1.6	1.7

Myotis	8C	NA	0.1	0.0	0.0	0.1	1.1	0.3
Myotis	9A	0.2	0.1	0.4	0.8	1.7	0.0	0.3
Myotis	9B	0.1	0.9	0.4	0.1	7.3	0.0	0.2
Myotis	9C	1.1	0.0	0.3	0.3	0.9	0.0	0.1
Nathusius’	10A	NA	0.0	0.0	0.5	0.0	0.1	0.0
Nathusius’	10B	NA	0.0	0.0	0.0	0.0	0.0	0.0
Nathusius’	10C	NA	0.0	0.0	NA	0.0	0.0	0.0
Nathusius’	11A	NA	0.0	0.0	0.3	0.1	0.0	0.0
Nathusius’	11B	NA	0.0	0.0	0.1	0.0	0.0	0.0
Nathusius’	11C	NA	0.0	0.0	0.3	0.0	0.0	0.0
Nathusius’	12A	NA	0.0	0.0	0.0	0.0	0.0	0.0
Nathusius’	12B	NA	0.0	0.0	0.0	0.0	0.0	0.0
Nathusius’	12C	NA	0.0	0.0	0.0	0.0	0.0	0.6
Nathusius’	13A	NA	0.0	0.0	0.1	0.0	0.0	0.1
Nathusius’	13B	NA	0.0	0.0	0.0	0.1	0.0	0.4
Nathusius’	13C	NA	0.0	0.0	0.0	0.0	0.0	0.2
Nathusius’	2A	0.0	0.0	0.0	4.4	0.0	0.0	0.0
Nathusius’	2B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nathusius’	2C	0.2	0.0	0.1	0.1	0.0	0.0	0.0
Nathusius’	4A	0.0	0.0	0.0	0.0	1.9	0.0	0.0
Nathusius’	4B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nathusius’	4C	0.0	0.0	0.0	0.0	NA	0.0	0.0
Nathusius’	5A	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Nathusius’	5B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nathusius’	5C	0.1	0.0	0.0	0.0	0.0	0.0	0.1
Nathusius’	6A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nathusius’	6B	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Nathusius’	6C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nathusius’	8A	NA	0.0	0.0	0.0	0.0	0.0	0.0
Nathusius’	8B	NA	0.0	0.0	0.0	0.0	0.0	0.0
Nathusius’	8C	NA	0.0	0.0	0.6	0.0	0.0	0.0
Nathusius’	9A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nathusius’	9B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nathusius’	9C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Noctule	10A	NA	1.9	1.5	2.0	1.2	0.2	0.1
Noctule	10B	NA	0.4	0.6	0.5	0.6	0.1	0.1

Noctule	10C	NA	0.5	0.4	NA	2.8	0.1	0.6
Noctule	11A	NA	0.0	0.2	2.3	0.2	0.0	0.4
Noctule	11B	NA	0.4	0.6	0.0	0.6	0.1	0.0
Noctule	11C	NA	0.2	0.5	2.1	0.4	0.0	0.0
Noctule	12A	NA	0.1	0.8	0.8	3.4	0.2	0.1
Noctule	12B	NA	0.3	0.1	0.6	1.4	0.8	0.2
Noctule	12C	NA	0.6	0.7	0.4	1.6	0.0	0.5
Noctule	13A	NA	0.2	2.8	1.8	1.7	0.2	0.8
Noctule	13B	NA	5.2	1.4	0.7	0.3	0.1	1.6
Noctule	13C	NA	3.7	1.7	0.6	1.6	0.0	1.8
Noctule	2A	2.2	0.1	1.1	1.6	2.9	0.1	0.1
Noctule	2B	1.7	0.0	0.3	1.2	3.5	0.0	0.2
Noctule	2C	1.2	0.2	0.3	0.7	3.0	0.0	0.1
Noctule	4A	0.5	0.6	0.6	0.4	0.2	0.1	0.1
Noctule	4B	0.4	0.1	2.0	0.1	0.3	0.1	0.2
Noctule	4C	0.1	0.5	2.0	0.3	NA	0.1	0.0
Noctule	5A	0.2	0.4	0.0	1.1	0.3	0.1	0.1
Noctule	5B	0.0	0.2	0.1	0.5	1.3	0.1	0.0
Noctule	5C	0.0	0.1	0.5	0.7	0.1	0.3	0.0
Noctule	6A	0.1	0.1	0.4	0.1	0.1	0.2	0.3
Noctule	6B	0.1	0.6	1.2	0.5	0.1	0.1	0.1
Noctule	6C	0.2	0.0	0.4	0.2	0.2	0.0	0.8
Noctule	8A	NA	1.9	1.2	0.8	0.6	0.2	0.2
Noctule	8B	NA	0.2	1.9	0.6	1.5	0.6	1.0
Noctule	8C	NA	1.1	1.2	0.9	0.6	0.2	0.2
Noctule	9A	1.4	0.2	0.6	0.5	0.6	0.1	0.2
Noctule	9B	0.4	0.5	0.6	1.5	0.3	0.1	0.0
Noctule	9C	0.1	0.1	0.9	0.4	0.1	0.2	0.0
Nyctaloid	10A	NA	3.5	1.8	0.5	1.9	1.2	0.1
Nyctaloid	10B	NA	0.0	0.8	0.0	2.4	0.4	0.1
Nyctaloid	10C	NA	1.7	0.4	NA	1.2	0.2	1.1
Nyctaloid	11A	NA	0.0	0.4	2.0	0.4	0.9	0.2
Nyctaloid	11B	NA	1.4	1.4	0.0	6.4	0.5	0.0
Nyctaloid	11C	NA	0.7	0.0	4.2	0.5	0.0	0.0
Nyctaloid	12A	NA	0.0	1.0	0.8	0.0	0.4	0.3
Nyctaloid	12B	NA	0.0	0.0	0.0	0.0	1.3	0.3

Nyctaloid	12C	NA	0.0	0.0	0.7	0.0	0.2	0.0
Nyctaloid	13A	NA	0.0	0.0	0.0	0.0	0.0	0.0
Nyctaloid	13B	NA	0.0	0.0	0.0	0.0	0.0	0.0
Nyctaloid	13C	NA	2.0	0.0	0.0	0.0	0.0	0.0
Nyctaloid	2A	2.6	0.0	2.3	2.1	3.5	0.1	0.2
Nyctaloid	2B	0.0	0.0	0.7	1.7	0.0	0.0	0.3
Nyctaloid	2C	0.0	1.1	0.9	0.7	4.7	0.0	0.0
Nyctaloid	4A	3.4	0.7	0.6	0.6	0.0	0.8	0.0
Nyctaloid	4B	3.7	0.2	3.3	0.2	0.2	0.0	0.9
Nyctaloid	4C	0.1	0.7	5.2	0.0	NA	0.0	0.0
Nyctaloid	5A	0.2	1.0	0.0	1.9	0.0	0.3	0.1
Nyctaloid	5B	0.2	0.9	0.1	1.6	2.0	0.0	0.1
Nyctaloid	5C	0.1	0.5	2.0	0.6	0.0	0.5	0.0
Nyctaloid	6A	0.3	0.2	0.4	0.7	0.4	0.1	0.7
Nyctaloid	6B	0.0	2.6	3.6	0.7	0.3	4.2	0.0
Nyctaloid	6C	0.0	0.5	0.3	0.2	0.3	0.0	3.9
Nyctaloid	8A	NA	3.7	1.2	0.0	0.4	0.4	0.0
Nyctaloid	8B	NA	0.2	3.1	2.3	2.1	1.8	0.0
Nyctaloid	8C	NA	1.9	1.2	0.0	0.4	0.4	0.1
Nyctaloid	9A	1.9	0.0	0.9	0.3	1.5	0.0	0.3
Nyctaloid	9B	0.0	0.3	0.0	0.0	0.0	0.1	0.1
Nyctaloid	9C	0.1	0.0	1.5	1.2	0.2	0.0	0.1
Nyctalus	10A	NA	0.0	0.0	0.0	0.0	0.0	0.0
Nyctalus	10B	NA	0.0	0.0	0.0	0.0	0.0	0.0
Nyctalus	10C	NA	0.0	0.0	NA	0.0	0.0	0.0
Nyctalus	11A	NA	0.0	0.0	0.0	0.0	0.0	0.0
Nyctalus	11B	NA	0.0	0.0	0.0	0.0	0.0	0.0
Nyctalus	11C	NA	0.0	0.0	0.0	0.0	0.0	0.0
Nyctalus	12A	NA	0.0	0.0	0.0	0.0	0.0	0.0
Nyctalus	12B	NA	0.0	0.3	1.2	0.0	0.0	0.0
Nyctalus	12C	NA	0.0	0.0	0.0	0.0	0.0	0.0
Nyctalus	13A	NA	0.0	0.0	0.0	0.0	0.3	0.0
Nyctalus	13B	NA	0.0	0.0	0.0	0.0	0.0	0.0
Nyctalus	13C	NA	4.9	0.0	0.0	0.0	0.1	0.0
Nyctalus	2A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nyctalus	2B	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Nyctalus	2C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nyctalus	4A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nyctalus	4B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nyctalus	4C	0.0	0.0	0.0	0.0	NA	0.0	0.0
Nyctalus	5A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nyctalus	5B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nyctalus	5C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nyctalus	6A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nyctalus	6B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nyctalus	6C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nyctalus	8A	NA	0.0	0.0	0.0	0.0	0.0	0.0
Nyctalus	8B	NA	0.0	0.0	0.0	0.0	0.0	0.0
Nyctalus	8C	NA	0.0	0.0	0.0	0.0	0.0	0.0
Nyctalus	9A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nyctalus	9B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nyctalus	9C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pipistrellus	10A	NA	0.8	0.0	0.0	0.0	9.6	0.0
Pipistrellus	10B	NA	0.0	1.2	15.8	2.4	3.1	0.1
Pipistrellus	10C	NA	0.9	0.0	NA	7.1	0.0	0.6
Pipistrellus	11A	NA	0.0	3.8	27.1	10.3	17.4	1.3
Pipistrellus	11B	NA	0.0	0.0	0.0	20.0	0.0	0.0
Pipistrellus	11C	NA	0.0	0.0	0.0	5.0	0.0	0.0
Pipistrellus	12A	NA	0.0	21.1	0.0	19.6	1.8	1.7
Pipistrellus	12B	NA	25.1	1.0	0.0	19.5	0.0	0.0
Pipistrellus	12C	NA	0.0	0.0	0.0	20.4	1.4	0.0
Pipistrellus	13A	NA	0.0	2.0	1.5	0.9	0.3	5.2
Pipistrellus	13B	NA	7.6	8.1	0.0	0.0	0.2	12.9
Pipistrellus	13C	NA	9.4	0.0	0.0	0.4	0.0	8.2
Pipistrellus	2A	12.5	41.9	0.0	23.9	5.5	0.0	0.0
Pipistrellus	2B	0.0	0.0	0.0	6.2	9.4	0.0	0.0
Pipistrellus	2C	0.0	0.0	1.2	20.5	10.0	0.0	4.2
Pipistrellus	4A	0.0	0.0	0.0	2.8	0.0	0.0	0.0
Pipistrellus	4B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pipistrellus	4C	0.0	0.3	4.3	0.0	NA	0.0	0.0
Pipistrellus	5A	0.0	0.0	0.2	0.0	0.0	0.0	0.0
Pipistrellus	5B	0.0	14.0	5.6	0.0	6.0	0.0	0.6

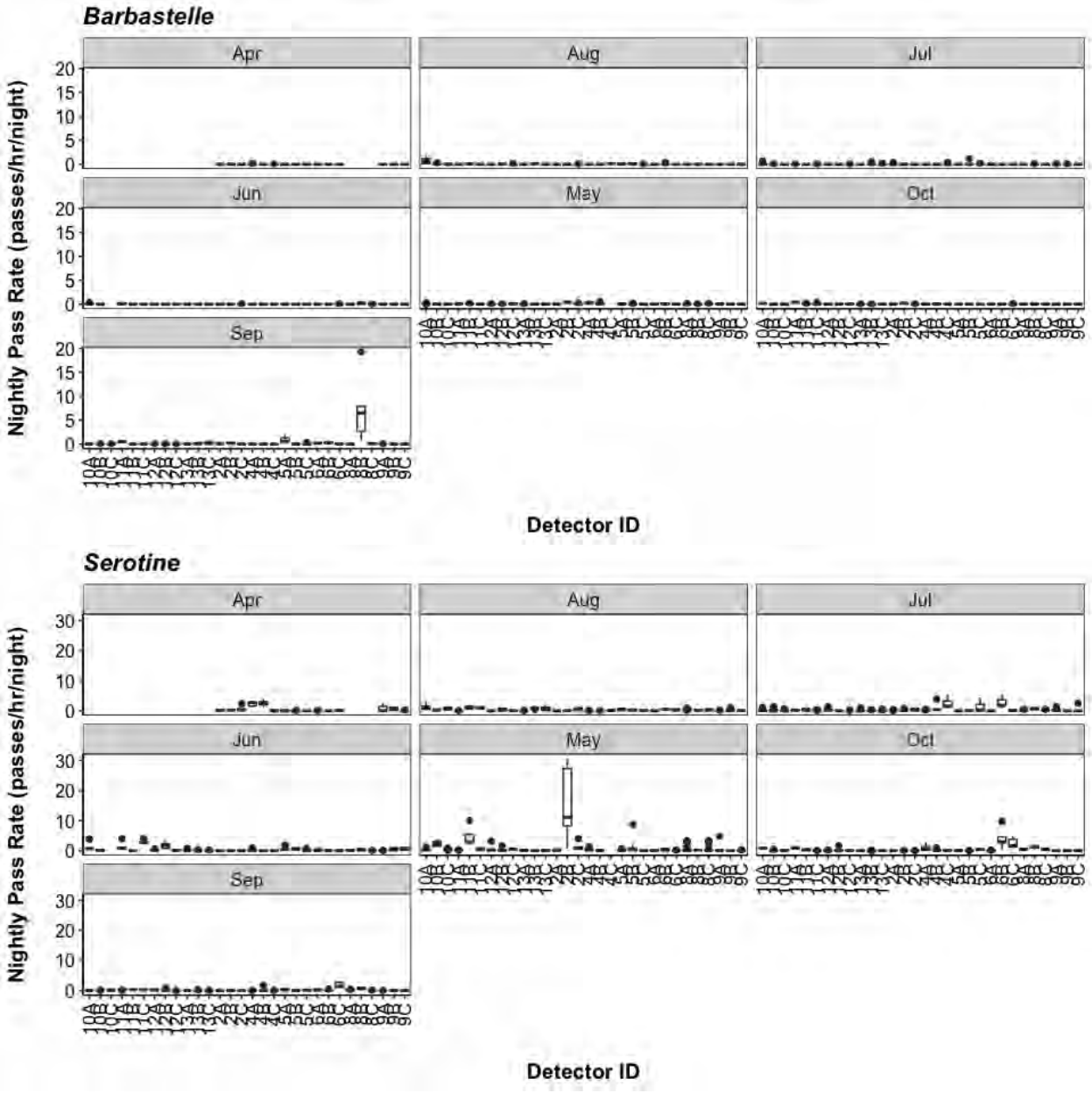
Pipistrellus	5C	2.4	13.3	0.0	1.1	0.1	0.3	5.0
Pipistrellus	6A	0.0	0.0	0.4	0.0	0.0	0.0	0.0
Pipistrellus	6B	0.0	2.2	2.8	14.9	0.0	0.0	12.3
Pipistrellus	6C	0.0	0.0	0.0	0.0	0.0	8.7	33.9
Pipistrellus	8A	NA	16.6	12.1	19.0	1.5	0.0	0.0
Pipistrellus	8B	NA	1.5	1.6	9.9	19.7	0.0	23.3
Pipistrellus	8C	NA	4.7	12.1	0.0	1.5	0.0	0.0
Pipistrellus	9A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pipistrellus	9B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pipistrellus	9C	1.5	1.8	5.5	1.5	29.4	1.6	2.6
Serotine	10A	NA	1.4	0.3	1.2	0.4	0.9	0.0
Serotine	10B	NA	0.3	0.3	0.2	2.4	0.1	0.0
Serotine	10C	NA	0.8	0.2	NA	0.5	0.2	0.1
Serotine	11A	NA	0.0	0.2	1.4	0.2	1.0	0.2
Serotine	11B	NA	1.1	0.5	0.0	4.7	0.4	0.3
Serotine	11C	NA	0.9	0.1	2.9	0.7	0.0	0.3
Serotine	12A	NA	0.0	0.4	0.2	0.6	0.1	0.3
Serotine	12B	NA	0.4	0.1	1.9	0.3	0.4	0.2
Serotine	12C	NA	0.1	0.0	0.2	0.5	0.1	0.0
Serotine	13A	NA	0.0	0.2	0.1	0.2	0.0	0.0
Serotine	13B	NA	0.9	0.1	0.1	0.0	0.0	0.1
Serotine	13C	NA	0.8	0.1	0.1	0.1	0.0	0.0
Serotine	2A	0.2	0.0	0.3	0.0	0.2	0.0	0.0
Serotine	2B	0.3	0.1	0.2	0.1	14.8	0.0	0.0
Serotine	2C	0.7	0.6	0.5	0.0	1.3	0.0	0.0
Serotine	4A	2.3	0.0	0.1	0.2	0.5	1.0	0.0
Serotine	4B	2.5	0.0	1.1	0.0	0.1	0.3	0.4
Serotine	4C	0.2	0.1	2.5	0.1	NA	0.2	0.0
Serotine	5A	0.1	0.5	0.0	0.6	0.2	0.1	0.4
Serotine	5B	0.0	0.3	0.1	0.7	1.1	0.0	0.1
Serotine	5C	0.0	0.1	1.1	0.2	0.0	0.3	0.1
Serotine	6A	0.0	0.0	0.0	0.3	0.1	0.1	0.3
Serotine	6B	0.0	0.5	2.7	0.1	0.4	4.0	0.1
Serotine	6C	0.2	0.3	0.1	0.1	0.0	2.4	1.8
Serotine	8A	NA	0.6	0.2	0.2	0.6	0.4	0.2
Serotine	8B	NA	0.2	0.7	0.3	0.2	1.2	0.7

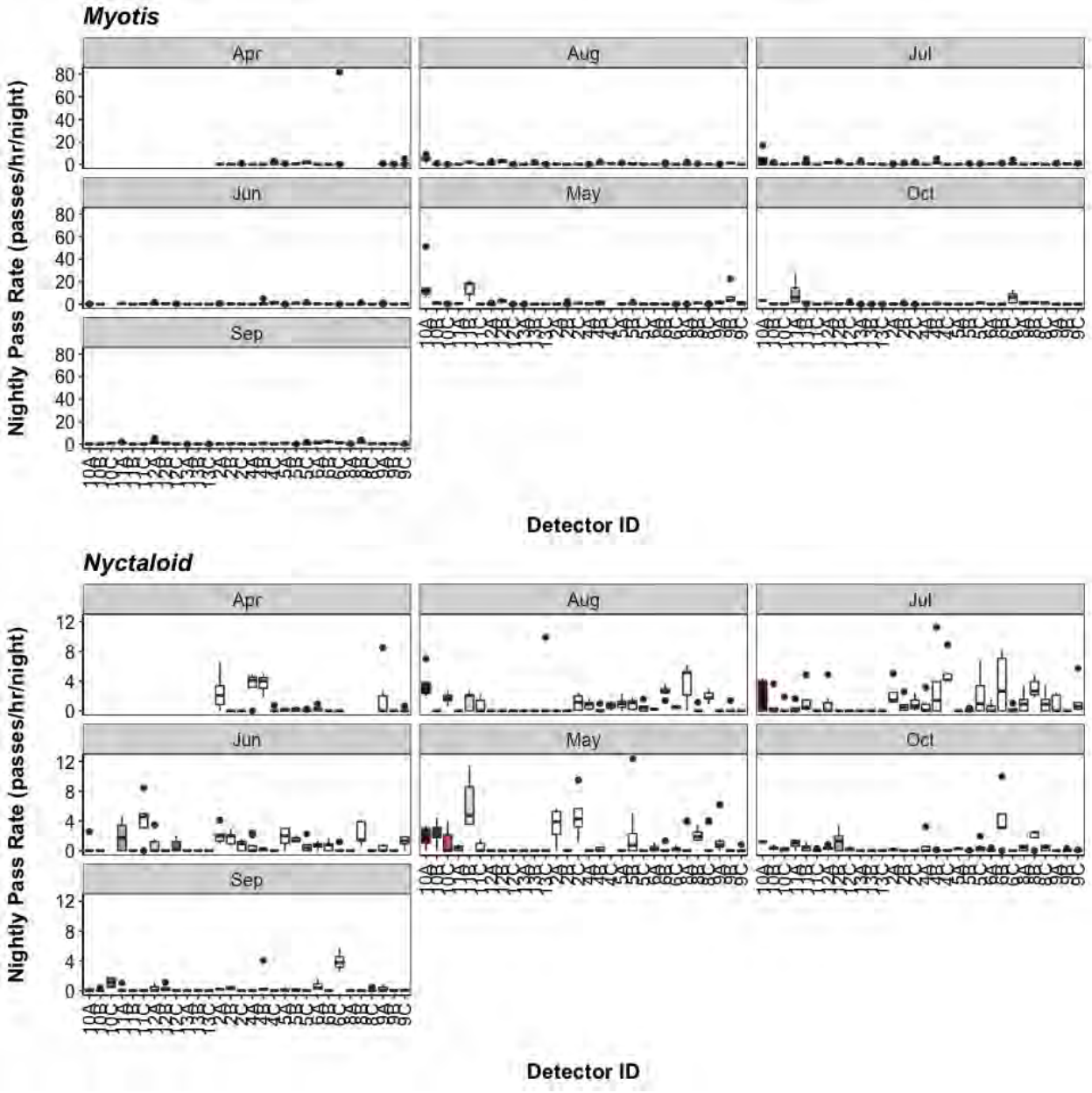
Serotine	8C	NA	0.3	0.2	0.0	0.6	0.4	0.0
Serotine	9A	0.7	0.0	0.4	0.0	0.8	0.0	0.0
Serotine	9B	0.7	0.3	0.1	0.5	0.0	0.0	0.1
Serotine	9C	0.1	0.1	0.5	0.6	0.1	0.0	0.0
Soprano pipistrelle	10A	NA	1.7	0.5	0.3	1.0	7.4	0.0
Soprano pipistrelle	10B	NA	0.4	0.4	1.1	0.2	1.6	0.1
Soprano pipistrelle	10C	NA	0.0	0.1	NA	0.6	0.1	1.2
Soprano pipistrelle	11A	NA	0.0	0.0	0.1	0.0	0.0	0.0
Soprano pipistrelle	11B	NA	10.2	3.9	0.0	8.8	0.0	0.8
Soprano pipistrelle	11C	NA	0.2	0.0	0.4	1.1	0.0	0.8
Soprano pipistrelle	12A	NA	0.0	0.0	0.0	0.0	0.0	2.4
Soprano pipistrelle	12B	NA	0.0	0.0	0.0	0.0	0.0	1.5
Soprano pipistrelle	12C	NA	0.0	0.0	0.0	0.0	0.0	0.4
Soprano pipistrelle	13A	NA	0.1	0.0	0.0	0.0	0.0	0.0
Soprano pipistrelle	13B	NA	0.0	0.0	0.0	0.0	0.0	0.0
Soprano pipistrelle	13C	NA	0.0	0.0	0.0	0.0	0.0	0.0
Soprano pipistrelle	2A	1.0	0.0	1.6	0.6	0.9	0.0	0.0
Soprano pipistrelle	2B	0.3	1.6	0.2	0.5	0.0	0.0	0.0
Soprano pipistrelle	2C	0.5	0.5	0.2	8.6	0.5	0.0	0.0
Soprano pipistrelle	4A	0.1	1.1	0.0	2.8	9.7	0.0	0.0
Soprano pipistrelle	4B	0.2	0.0	0.3	0.0	0.5	0.0	0.0
Soprano pipistrelle	4C	1.2	0.0	0.9	1.1	NA	0.2	0.2
Soprano pipistrelle	5A	0.0	0.5	0.0	0.2	0.0	0.0	0.0
Soprano pipistrelle	5B	3.2	3.2	1.5	0.6	1.2	0.0	0.0
Soprano pipistrelle	5C	1.2	0.8	0.8	0.1	0.1	0.0	0.0
Soprano pipistrelle	6A	0.0	0.2	0.5	0.0	0.5	0.0	0.0
Soprano pipistrelle	6B	0.1	0.5	0.4	11.5	0.0	0.0	0.0
Soprano pipistrelle	6C	2.5	0.0	0.0	1.0	0.0	0.0	0.0
Soprano pipistrelle	8A	NA	3.1	1.3	1.6	0.5	2.0	1.3
Soprano pipistrelle	8B	NA	2.8	2.4	4.2	5.9	15.2	0.0
Soprano pipistrelle	8C	NA	2.0	1.3	0.6	0.5	2.0	1.0
Soprano pipistrelle	9A	7.4	0.2	21.7	4.3	3.9	0.0	1.6
Soprano pipistrelle	9B	0.1	0.0	0.0	0.0	0.7	11.2	0.0
Soprano pipistrelle	9C	3.3	0.0	0.4	0.0	0.0	0.0	0.0

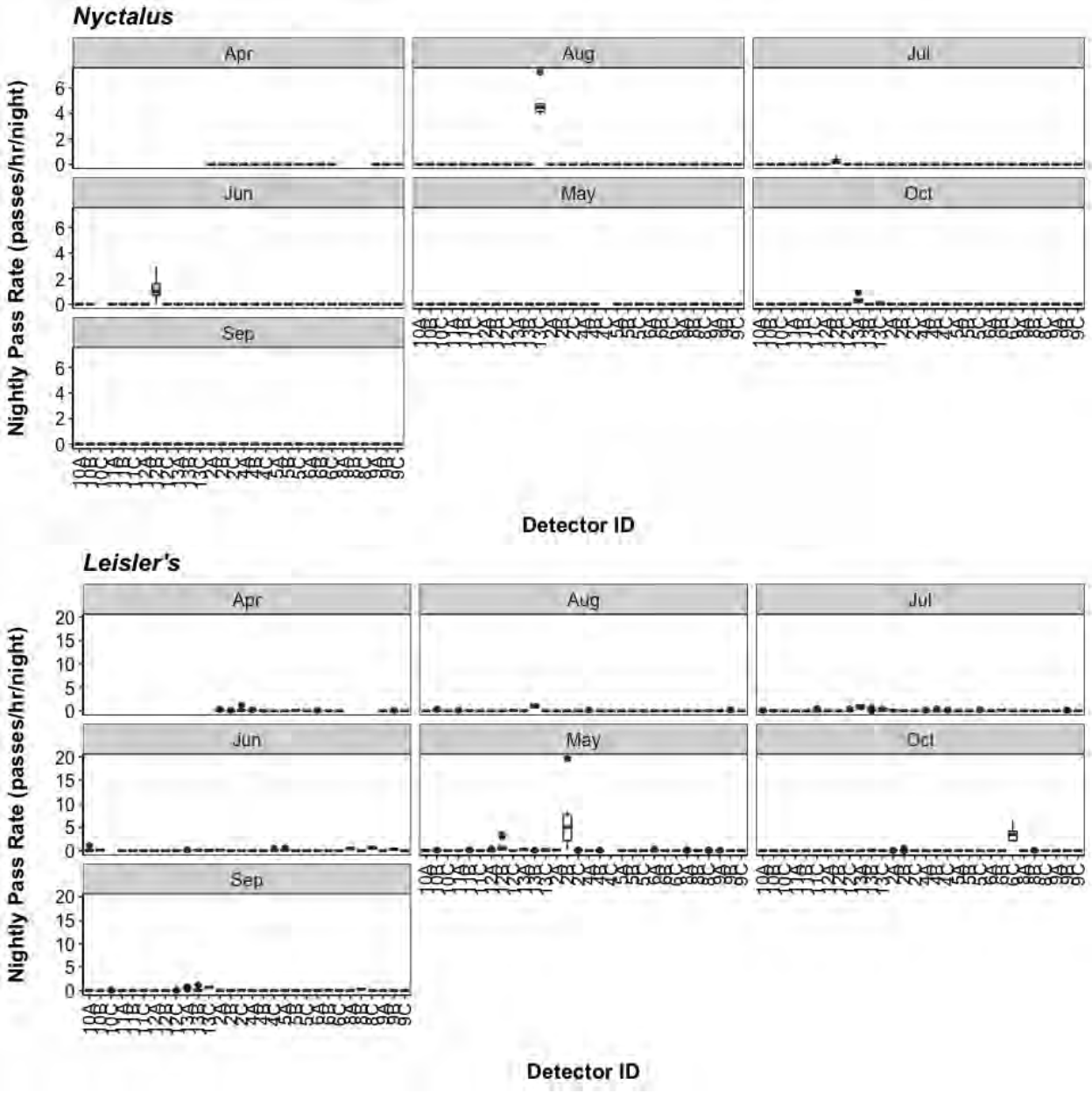
Nightly Bat Pass Rate for each Month

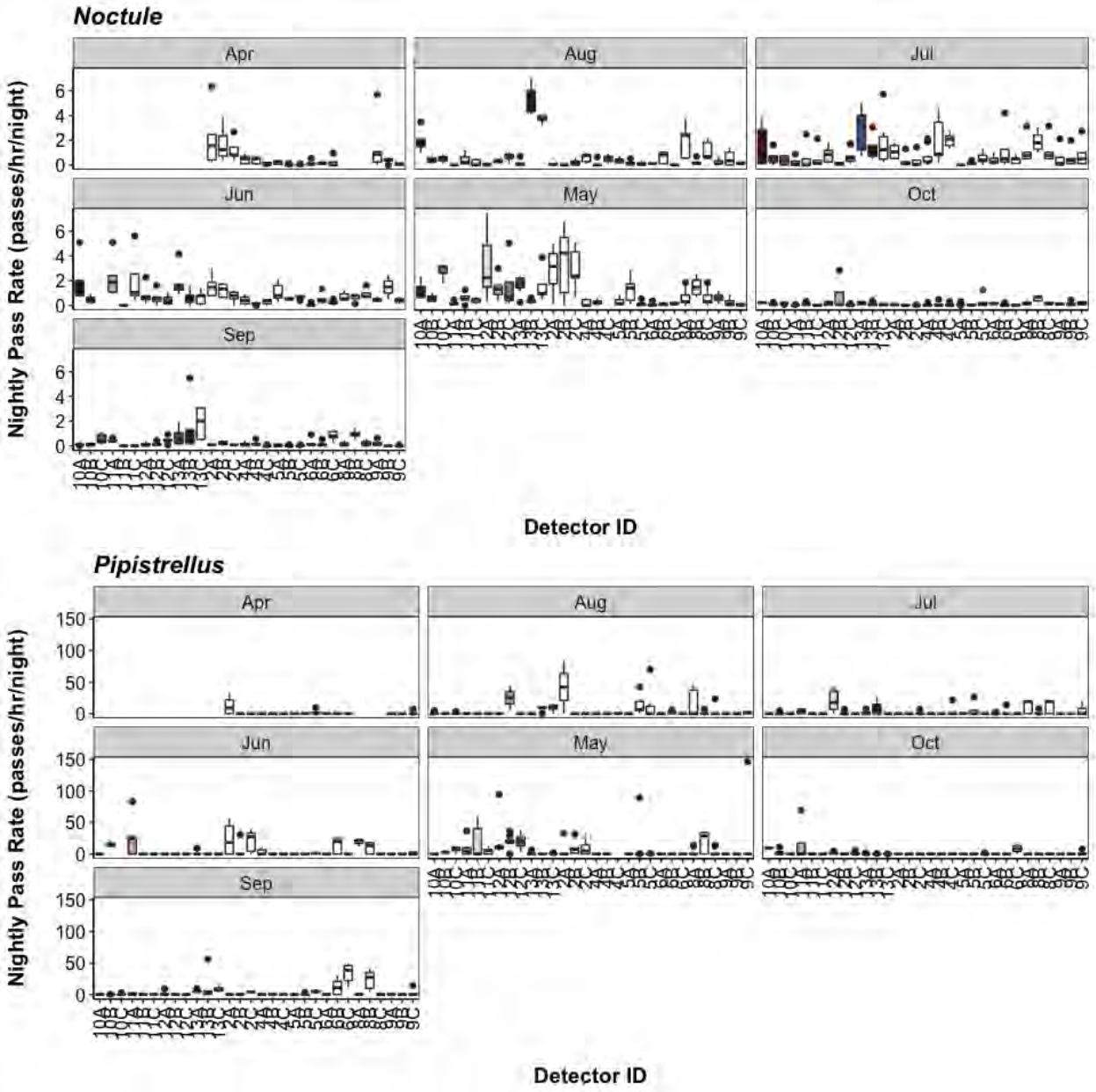
Per Detector - Figures

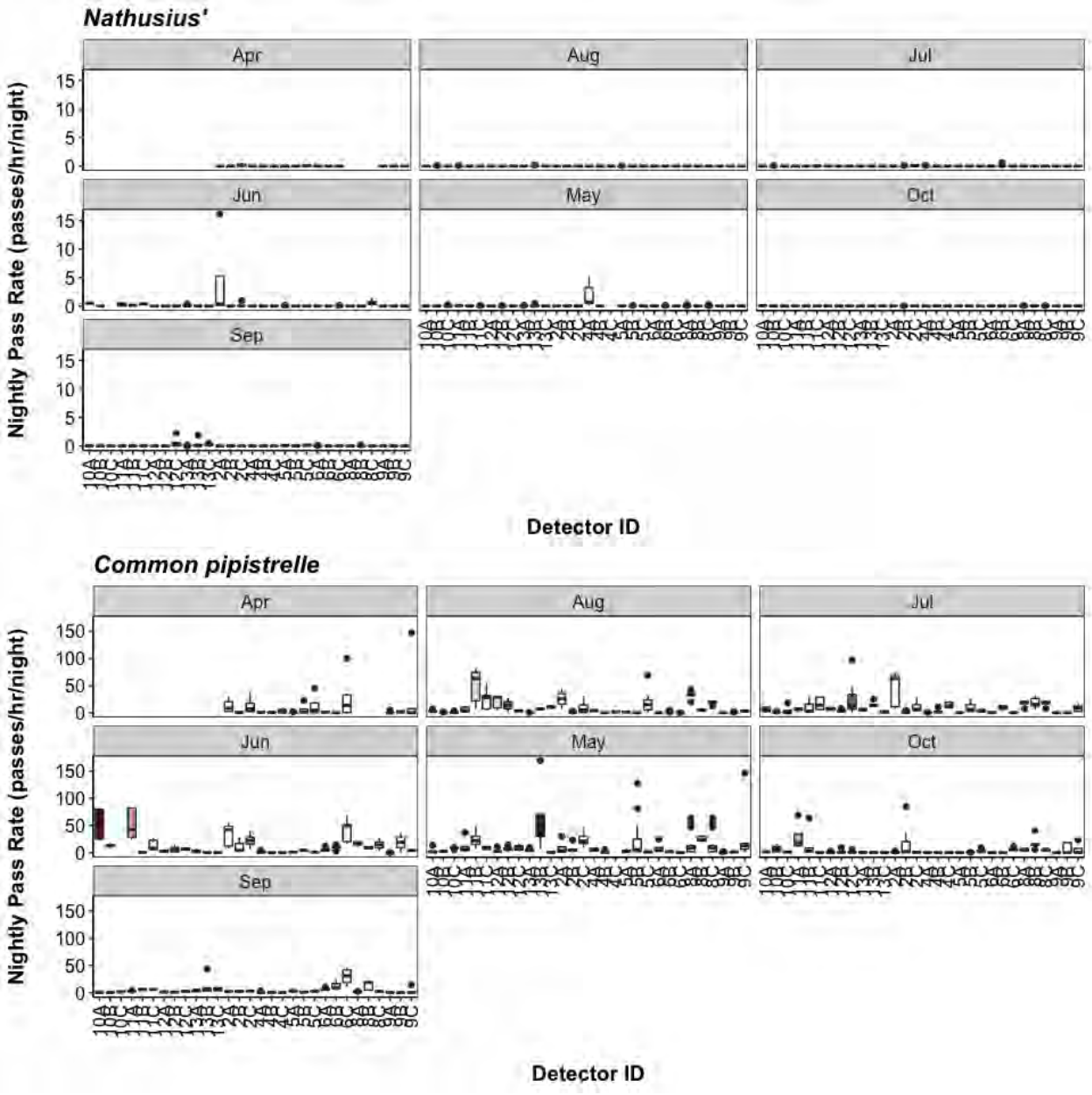
Figure 17. Figures show boxplots for the number of bat passes per hour by detector, for each month. The 'box' shows the interquartile range, which is where the middle 50% of the data lie. The line dividing the box is the median, the mid-point of the data. The 'whiskers' extend from the box and represent the ranges for the bottom 25% and the top 25% of the data values, excluding outliers. An outlier is any extreme value that lies further away from the box than 1.5 times the interquartile range. Outliers are shown as dots. Where very few passes are recorded it is not possible to produce the box, so the data are shown as a line.

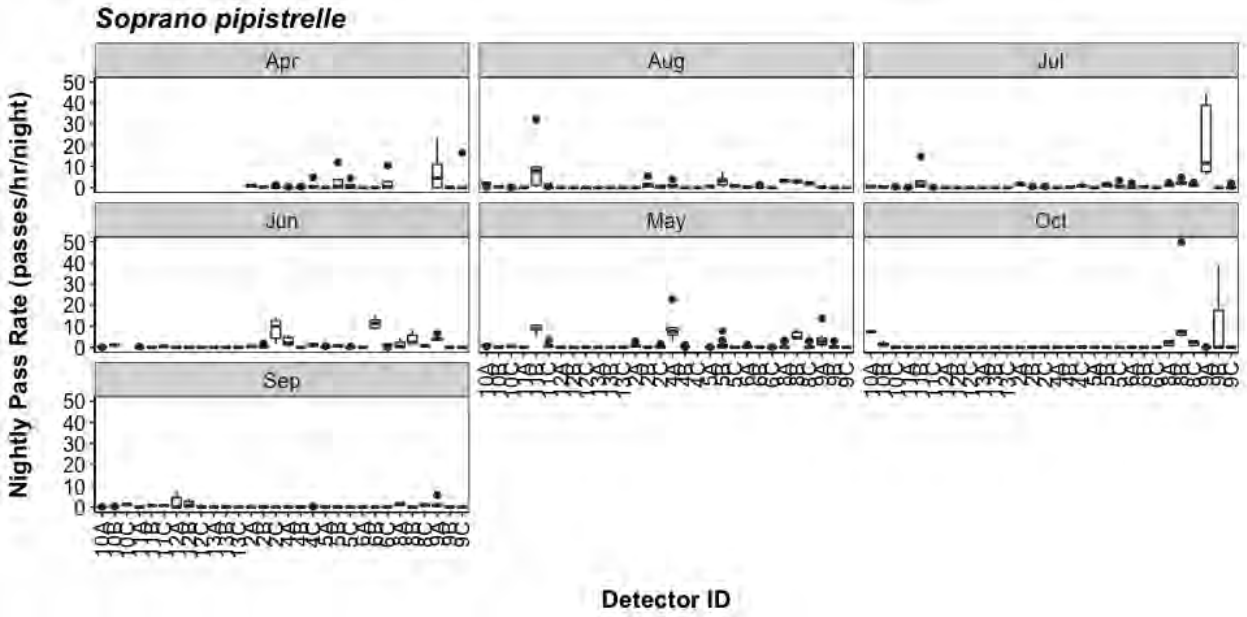

Barbastelle
Apr
Aug
Jul
Jun
May
Oct
Sep
Nightly Pass Rate (passes/hr/night)
Detector ID
Serotine
Apr
Aug
Jul
Jun
May
Oct
Sep
Nightly Pass Rate (passes/hr/night)
Detector ID

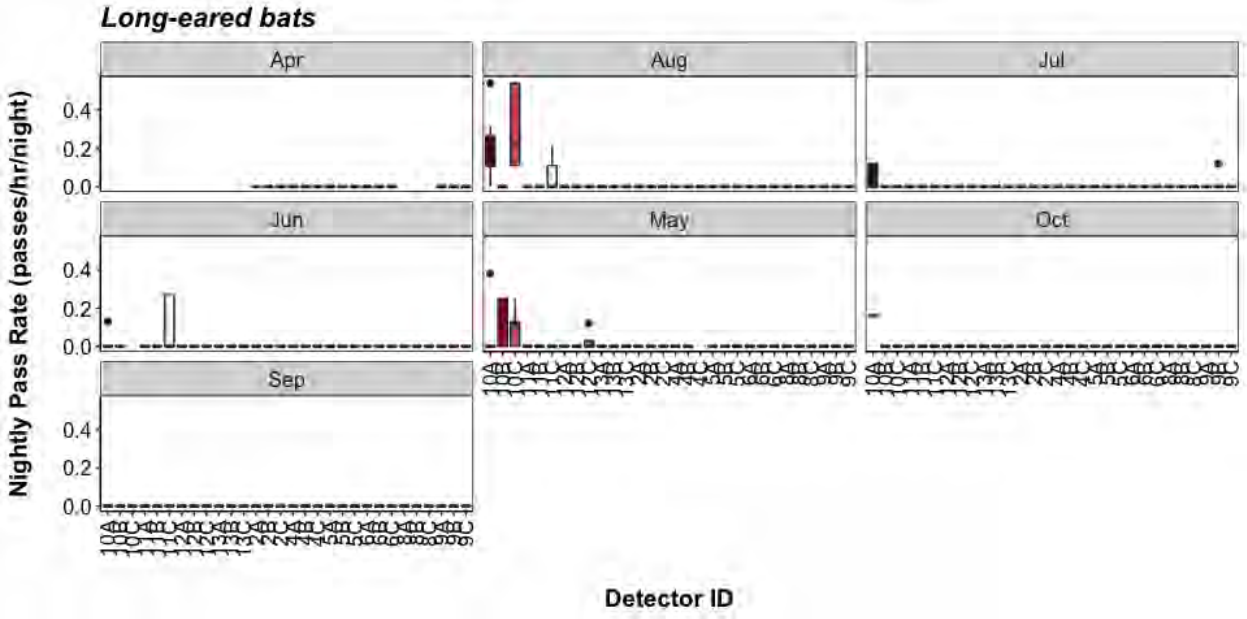

Myotis
Apr
Aug
Jul
Jun
May
Oct
Sep
Nightly Pass Rate (passes/hr/night)
0
20
40
60
80
Detector ID
Nyctaloid
Apr
Aug
Jul
Jun
May
Oct
Sep
Nightly Pass Rate (passes/hr/night)
0
4
8
12
Detector ID

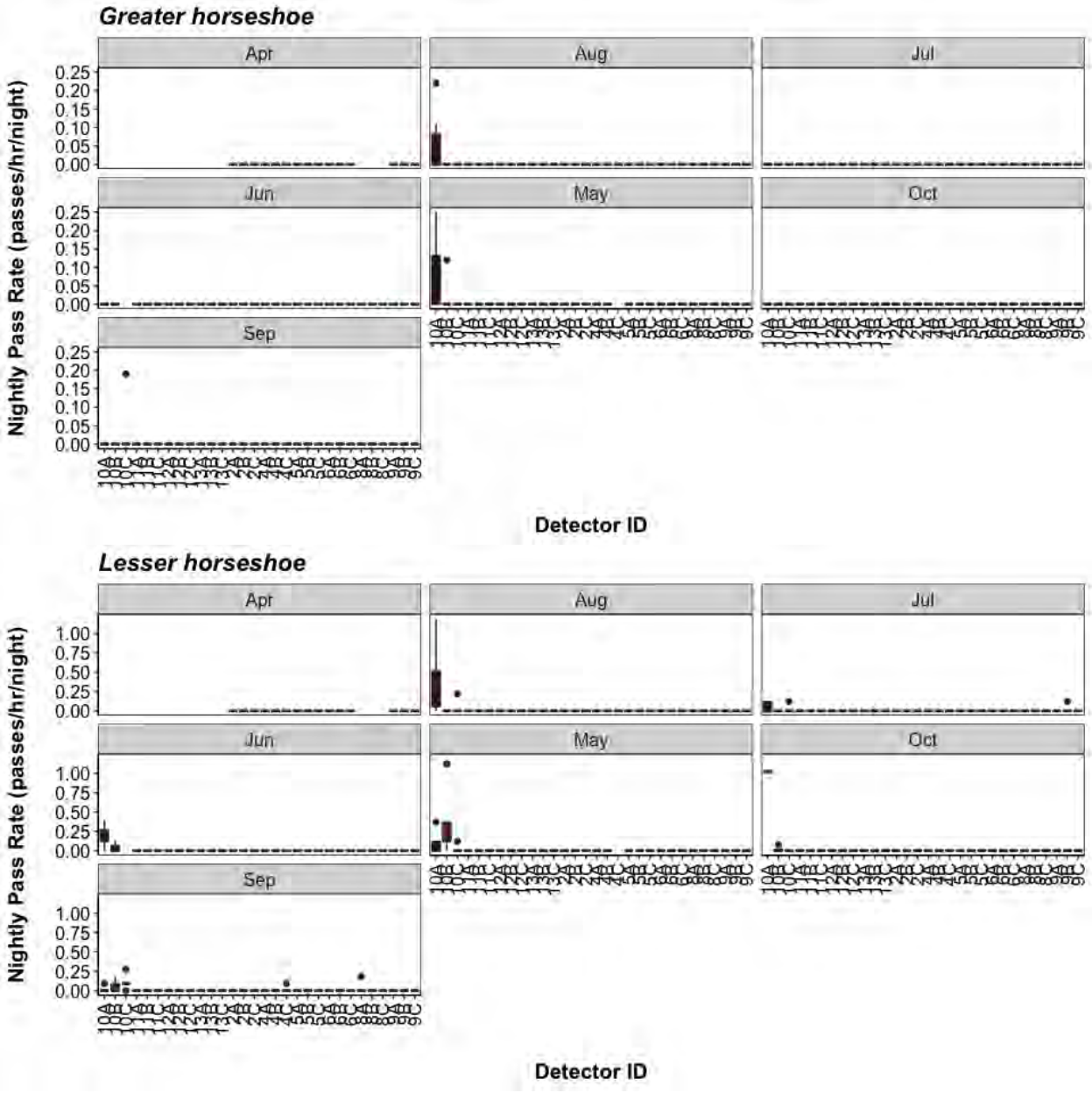

Nyctalus
Apr
Aug
Jul
Jun
May
Oct
Sep
Nightly Pass Rate (passes/hr/night)
0
2
4
6
Detector ID
Leisler's
Apr
Aug
Jul
Jun
May
Oct
Sep
Nightly Pass Rate (passes/hr/night)
0
5
10
15
20
Detector ID


Noctule
Apr
Aug
Jul
Jun
May
Oct
Sep
Nightly Pass Rate (passes/hr/night)
Detector ID
Pipistrellus
Apr
Aug
Jul
Jun
May
Oct
Sep
Nightly Pass Rate (passes/hr/night)
Detector ID


Nathusius'
Apr
Aug
Jul
Jun
May
Oct
Sep
Nightly Pass Rate (passes/hr/night)
0
5
10
15
Detector ID
Common pipistrelle
Apr
Aug
Jul
Jun
May
Oct
Sep
Nightly Pass Rate (passes/hr/night)
0
50
100
150
Detector ID


Soprano pipistrelle
Apr
Aug
Jul
Jun
May
Oct
Sep
Nightly Pass Rate (passes/hr/night)
Detector ID


Long-eared bats
Apr
Aug
Jul
Jun
May
Oct
Sep
Nightly Pass Rate (passes/hr/night)
Detector ID


Greater horseshoe
Apr
Aug
Jul
Jun
May
Oct
Sep
Nightly Pass Rate (passes/hr/night)
0.25
0.20
0.15
0.10
0.05
0.00
Detector ID
Lesser horseshoe
Apr
Aug
Jul
Jun
May
Oct
Sep
Nightly Pass Rate (passes/hr/night)
1.00
0.75
0.50
0.25
0.00
Detector ID

Bat Activity per Detector Location

Figure 18. Detector ID reference:

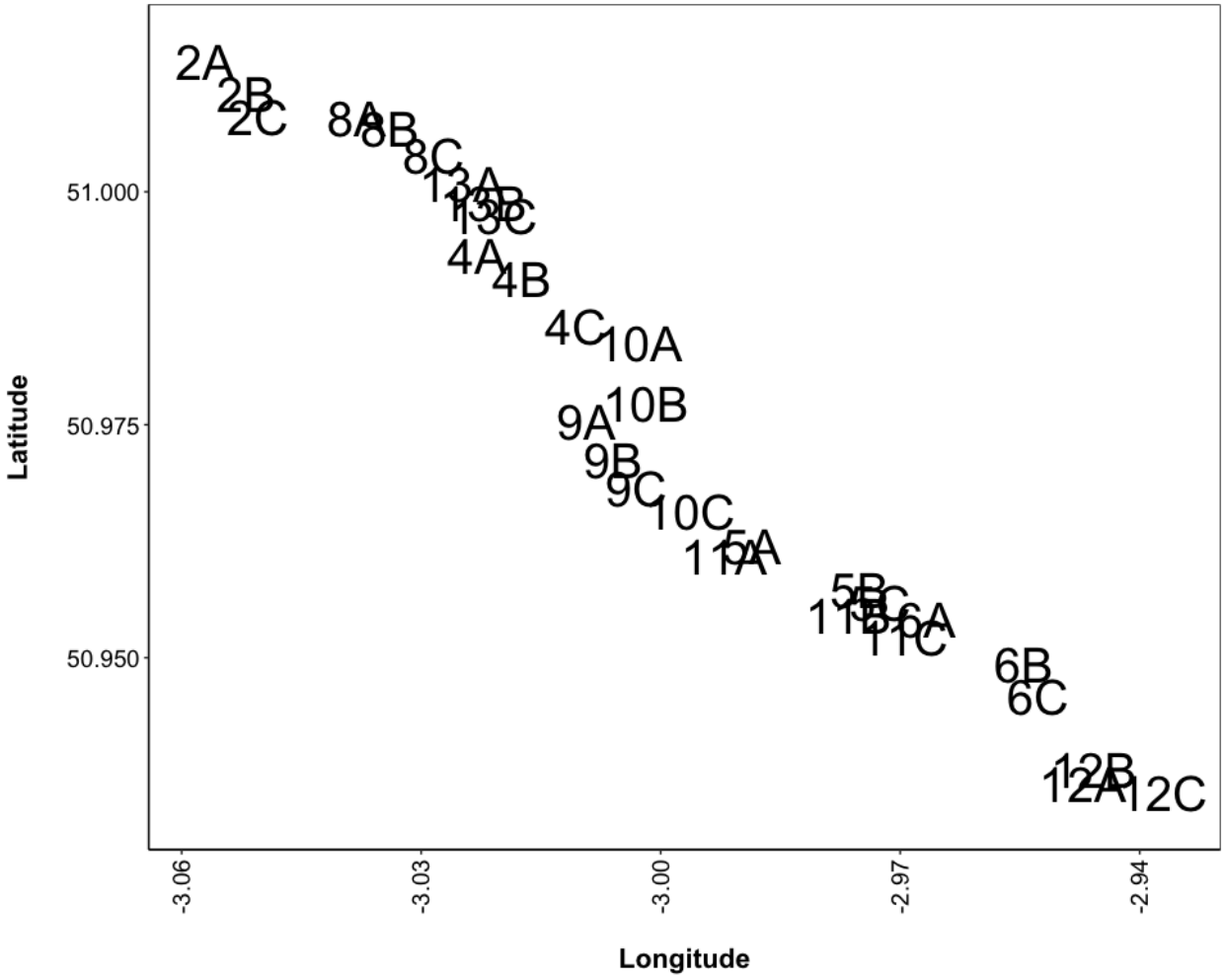
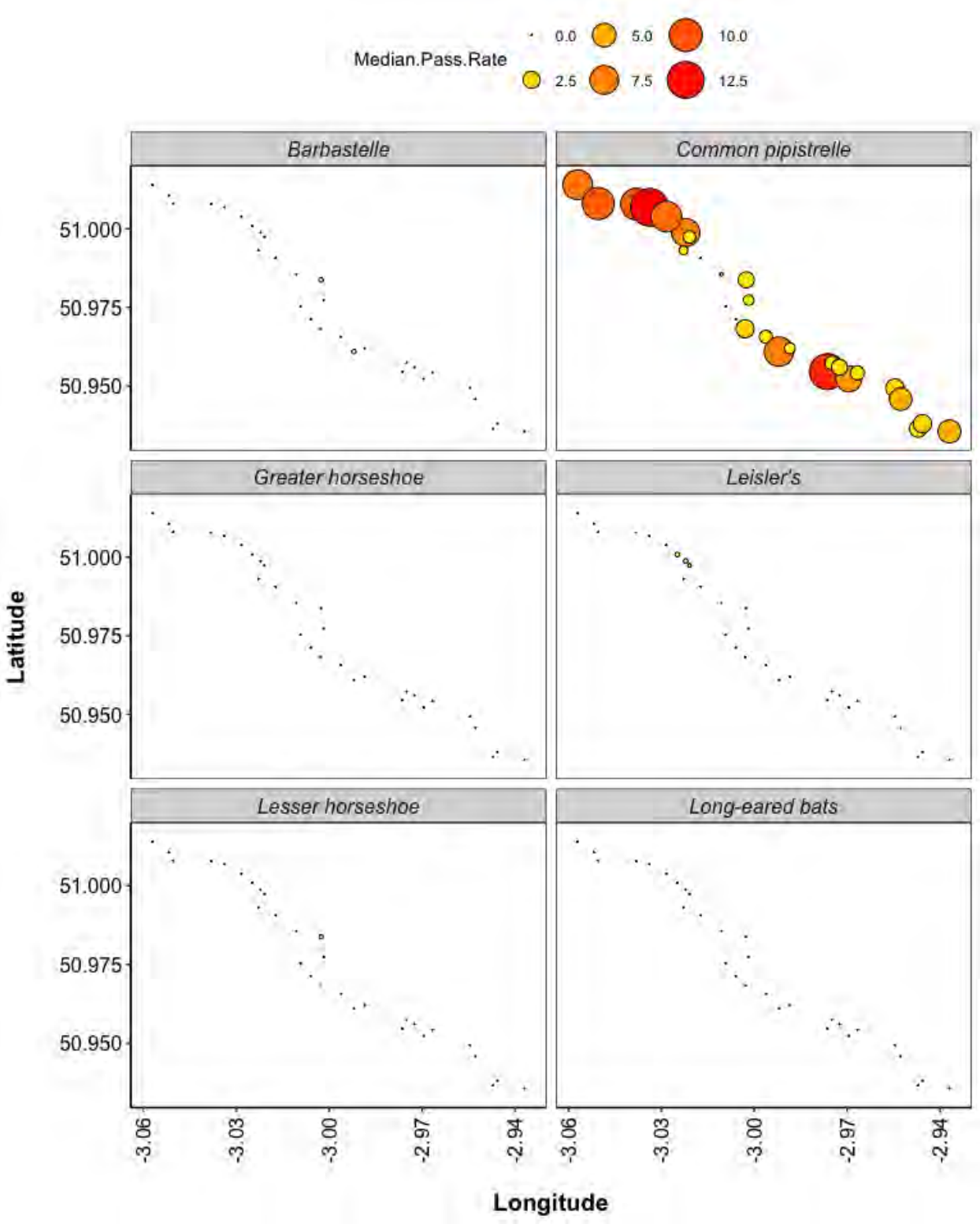
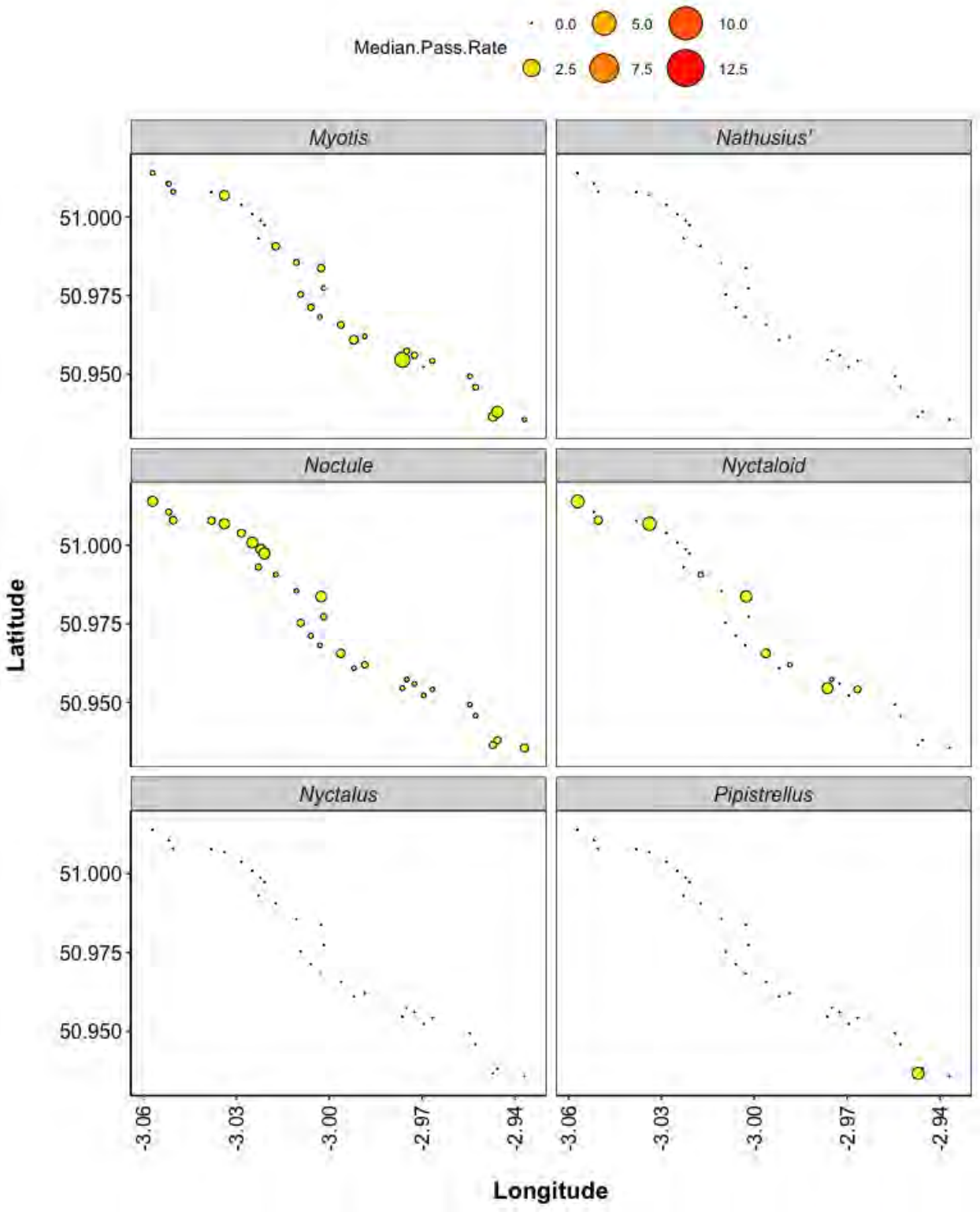


Figure 19. Median Nightly Pass Rate (bat passes/hr/night) throughout the survey period - represented by the size and colour of the point at each detector location.


Median.Pass.Rate
0.0
2.5
5.0
7.5
10.0
12.5
Barbastelle
Common pipistrelle
Greater horseshoe
Leisler's
Lesser horseshoe
Long-eared bats
Latitude
51.000
50.975
50.950
-3.06
-3.03
-3.00
-2.97
-2.94
Longitude


Median.Pass.Rate
0.0
2.5
5.0
7.5
10.0
12.5
Myotis
Nathusius'
Noctule
Nyctaloid
Nyctalus
Pipistrellus
51.000
50.975
50.950
-3.06
-3.03
-3.00
-2.97
-2.94
Latitude
Longitude

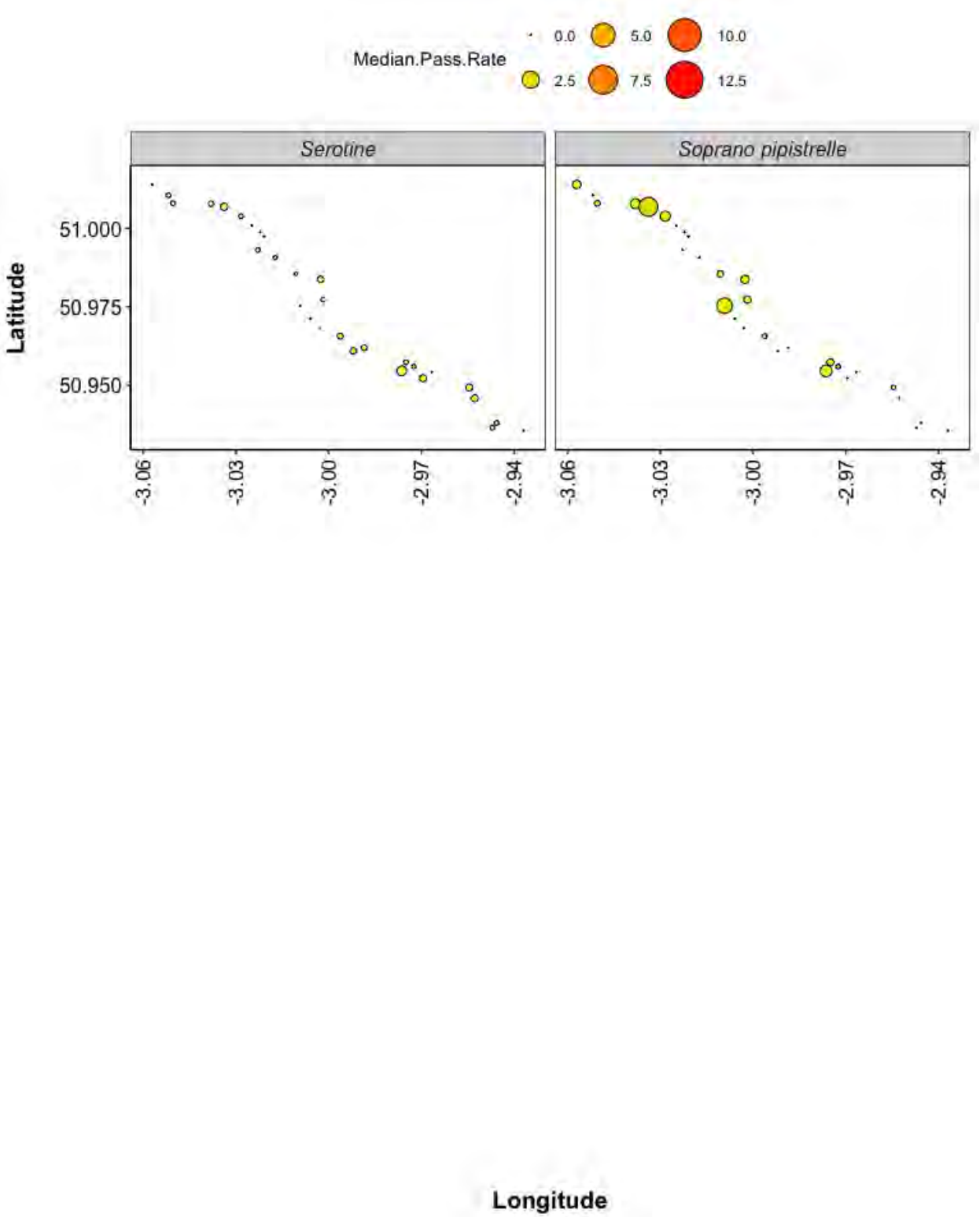
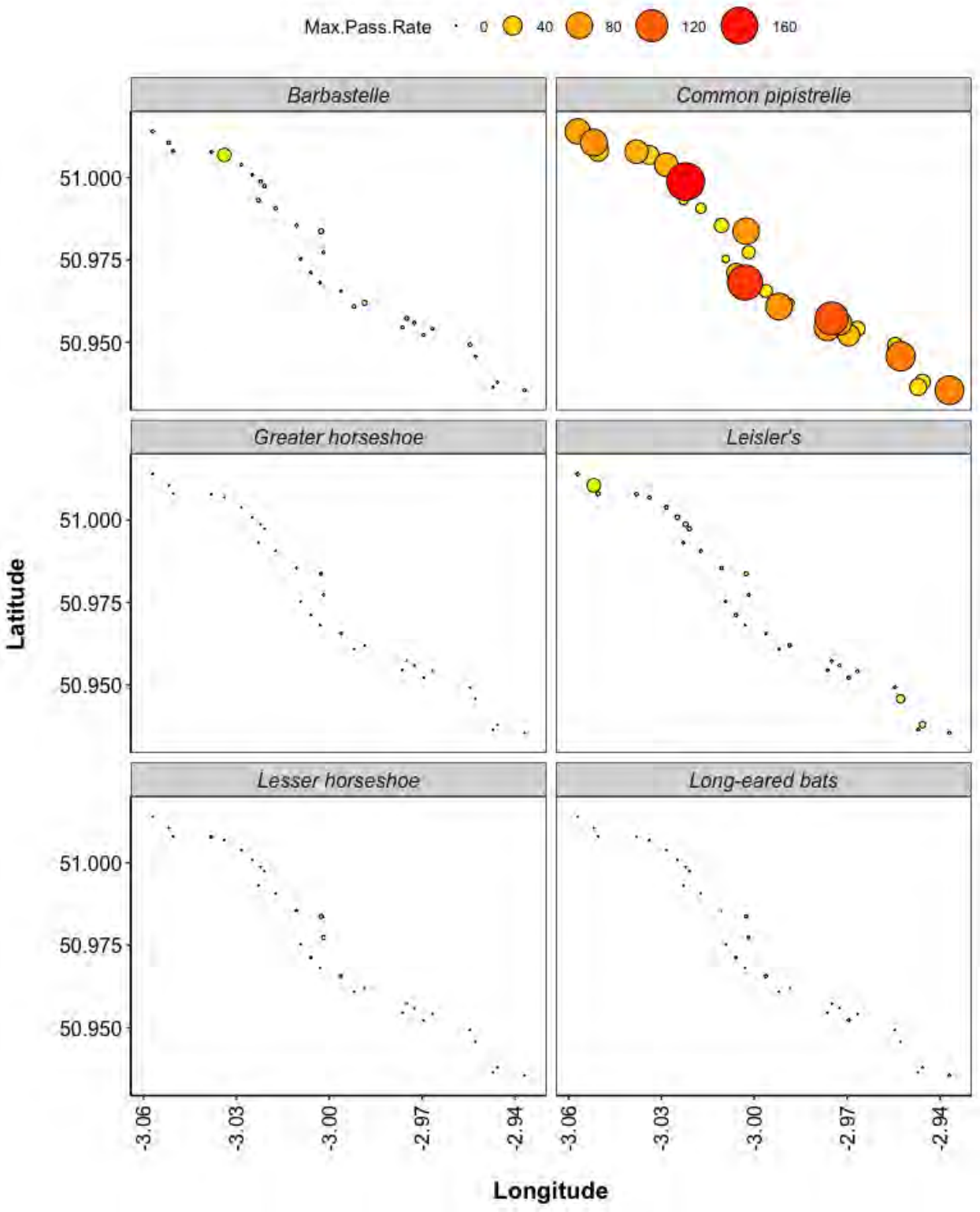
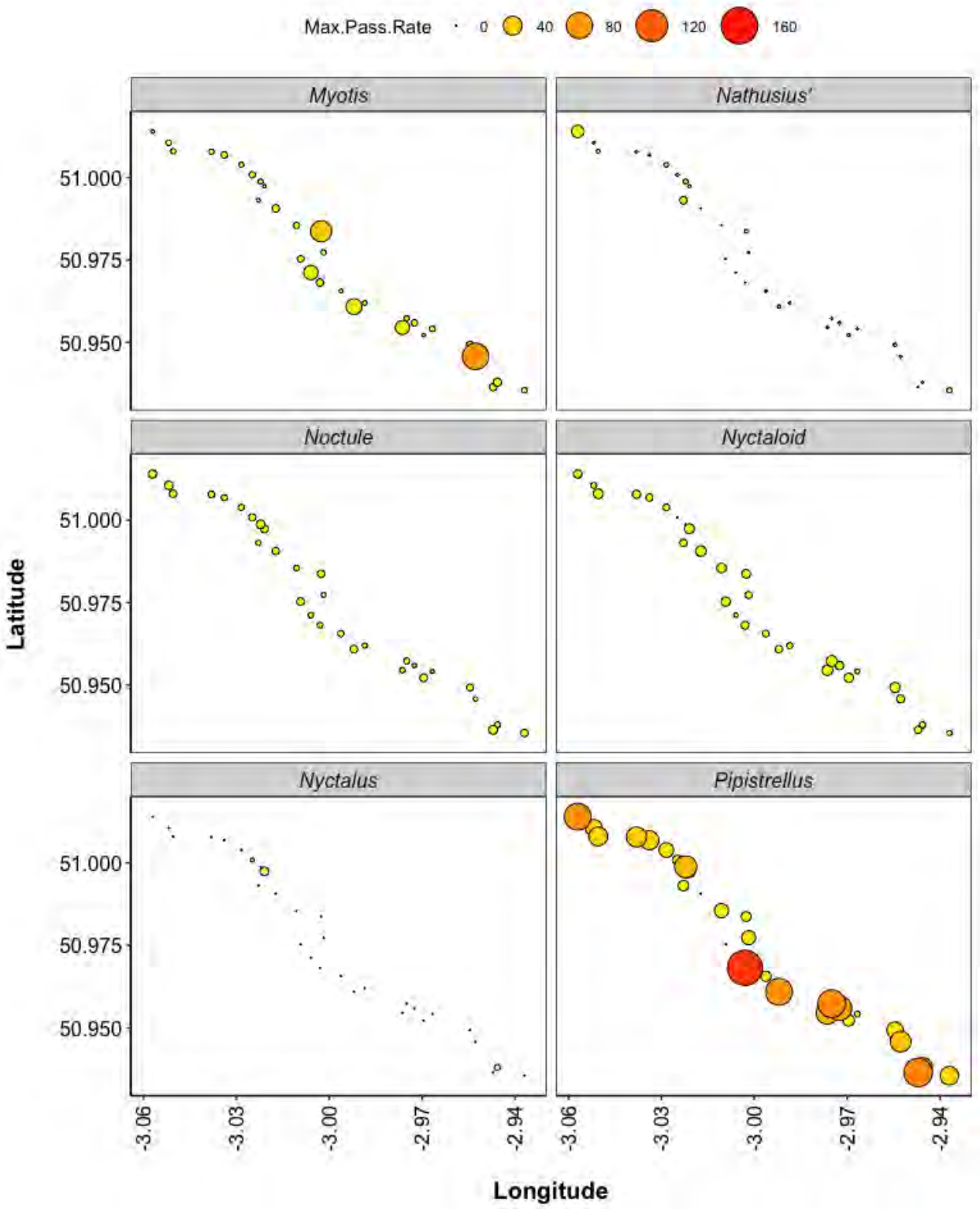
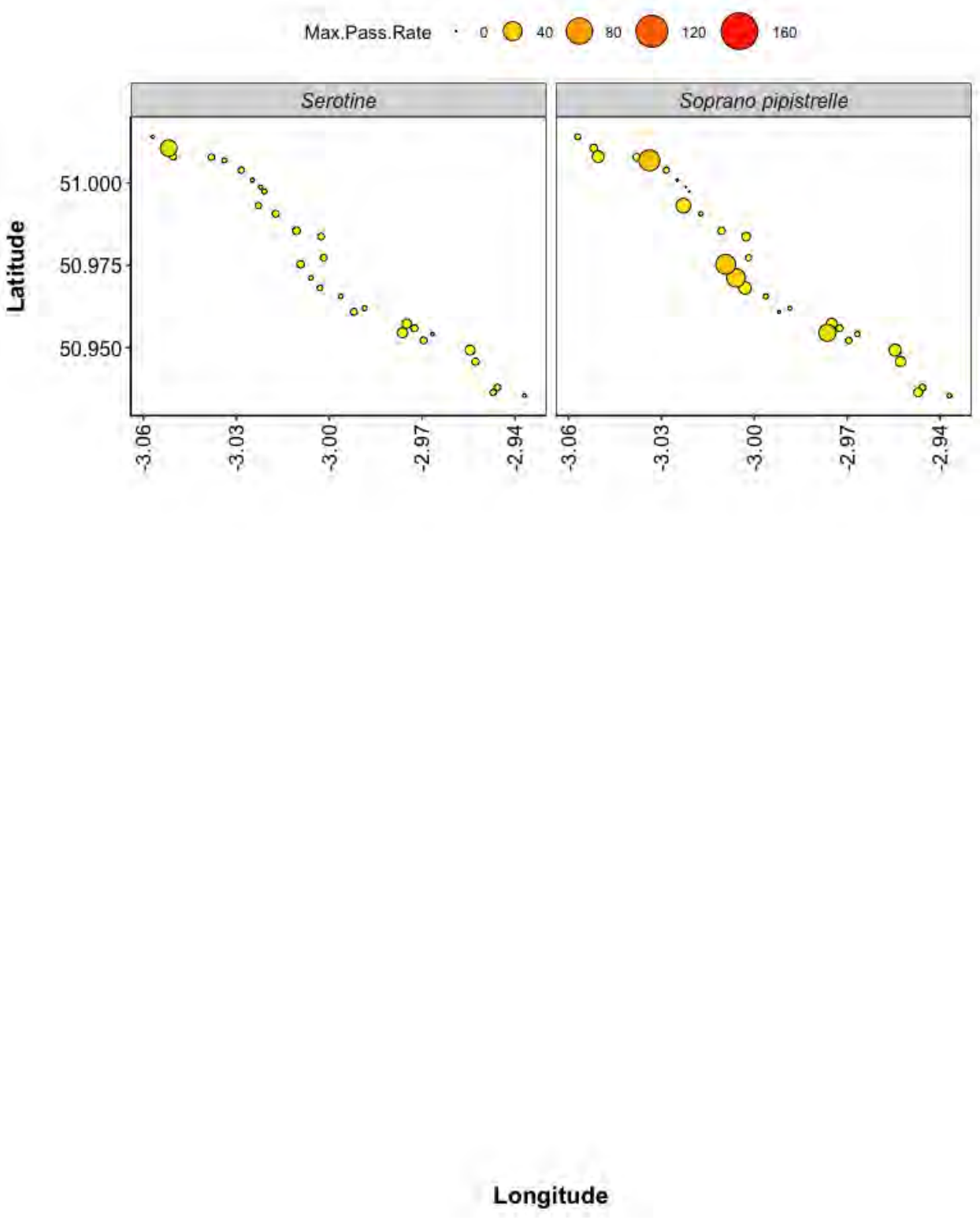

Median.Pass.Rate
0.0
2.5
5.0
7.5
10.0
12.5
Serotine
Soprano pipistrelle
Latitude
51.000
50.975
50.950
-3.06
-3.03
-3.00
-2.97
-2.94
Longitude

Figure 20. Maximum Nightly Pass Rate (bat passes/hr/night) recorded in a single night throughout the survey period - represented by the size and colour of the point at each detector location.


Max.Pass.Rate
0
40
80
120
160
Barbastelle
Common pipistrelle
Greater horseshoe
Leisler's
Lesser horseshoe
Long-eared bats
Latitude
51.000
50.975
50.950
-3.06
-3.03
-3.00
-2.97
-2.94
Longitude


Max.Pass.Rate
0
40
80
120
160
Myotis
Nathusius'
Noctule
Nyctaloid
Nyctalus
Pipistrellus
51.000
50.975
50.950
-3.06
-3.03
-3.00
-2.97
-2.94
Latitude
Longitude



Thank you for using Ecobat! If you have any questions please email info@themammalsociety.org.uk

Appendix H - Crossing point map

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33 34A 34C 34B 34D 23 22 16 20 21 02 19 18 17

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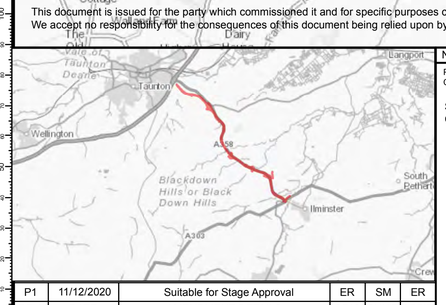
We accept no responsibility for the consequences of this document being relied upon by any other party, or being used for any other purpose, or containing any error or omission which is due to an error or omission in data supplied to us by other parties.

1:20,000 0 500 1,000 1,500 2,000 m



REV.	DATE	AMENDMENT DETAILS	ORIG	CHK'D	APP'D
P1	11/12/2020	Suitable for Stage Approval	ER	SM	ER

Notes

Pink Modified Scheme, Mott MacDonald (2018)
Crossing point locations, Mott MacDonald (2020)

Service Layer Credits: Contains OS data © Crown Copyright and database right 2020

Key to symbols

Pink modified scheme option

Bat crossing points

References drawings

Drawing Status: Suitable for Stage Approval

Suitability: S4

Project Title: A358 Taunton to Southfields

Drawing Title: Bat crossing points

Mott MacDonald Sweco
Stoneham Place
Stoneham Lane
Southampton
SO50 9NW
Tel : +44 (0)23 8062 8800
Fax : +44 (0)23 8062 8801
www.mottmac.com

Client: highways england

Scale	Designed	Drawn	Checked	Approved
1:20,000	ER	ER	SM	ER
Original Size	**Date**	**Date**	**Date**	**Date**
A1	11/12/2020	11/12/2020	11/12/2020	11/12/2020

Drawing Number: HE PIN HE551508 - | Originator MMSJV - | Volume EBD - | Location 000 - | Type DR - | Role LB - | Number 0159

Project Ref. No.: 370774

Revision: P1

Appendix I - Crossing point survey proforma

Date:	06/07/2020	Scheme:	A358		Temp (°C)	Wind	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:30	Crossing Point Number :	34b	Start	14	1	0	20
Start time:	21:30	Surveyor position:	ST28450 22707	Middle	12	1	0	40
End time:	23:00	Surveyor name:	NB	End	11	2	0	40
Dusk/Dawn	Dusk	Detector Number:	AW2					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
F001	21:44	30	30	E	W	Noctule	Confirmed	Two noctules flying over hedgerow
F002	22:02	N/A	N/A	N/A	N/A	Noctule	Confirmed	Not seen
F003	22:33	N/A	N/A	N/A	N/A	Common Pipistrelle	Confirmed	Not seen

Date:	09/09/2020	Scheme:	A358		Temp (°C)	Wind (mph)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	06:37	Crossing Point Number :	34C	Start	16	8	0	40
Start time:	05:07	Surveyor position:	East	Middle	16	8	0	80
End time:	06:37	Surveyor name:	TJ	End	17	7	0	80
Dusk/Dawn	Dawn	Detector Number:	AW6					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
0								No bat calls

Date:	09/09/2020	Scheme:	a358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	05:07	Crossing Point Number :	34C	Start	15	9	no rain	20
Start time:	05:12	Surveyor position:	West	Middle	14	8	no rain	100
End time:	06:37	Surveyor name:	TP	End	14	8	no rain	100
Dusk/Dawn	Dawn	Detector Number:	AW2					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	05:41:05	n/a	n/a	n/a	n/a	Soprano pipistrelle	Amended	

Date:	05/08/2020	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	05.44	Crossing Point Number :	34C	Start	17	2 gusting 4	Light rain at times	7
Start time:	04.14	Surveyor position:	eastern hedge	Middle	17	2	none	8
End time:	05.44	Surveyor name:	DL	End	16	2	None	7
Dusk/Dawn	Dawn	Detector Number:	AW3					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	04:17	n/a	n/a	n/a	n/a	N.lei	Confirmed	Not seen
2	04:34	n/a	n/a	n/a	n/a	P.pip	Confirmed	Not seen
3	04:50	n/a	n/a	n/a	n/a	N.noc	Confirmed	Not seen
4	04:53	n/a	n/a	n/a	n/a	P.pip	Confirmed	Not seen
5	05:01	n/a	n/a	n/a	n/a	N.noc	Confirmed	Not seen
6	05:01	n/a	n/a	n/a	n/a	P.pip	Confirmed	Not seen
7	05:11	n/a	n/a	n/a	n/a	N.noc	Confirmed	Foraging high until 05:35

Date:	22/07/2020	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:11	Crossing Point Number :	CP34c	Start	19	3	no	60
Start time:	21:11	Surveyor position:	South	Middle	17	3	no	30
End time:	22:41	Surveyor name:	TJ	End	17	3	no	20
Dusk/Dawn	Dusk	Detector Number:	AW4					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:18	n/a	n/a	n/a	n/a	Noctule	Amended	Added during analysis.
2	21:55	n/a	n/a	n/a	n/a	Nyc. sp.	Confirmed	Not seen
3	21:56	n/a	n/a	n/a	n/a	Nyc. sp.	Confirmed	Not seen
4	21:58	n/a	n/a	n/a	n/a	Nyc. sp.	Confirmed	Foraging around trees in field by TW.
5	22:01	n/a	n/a	n/a	n/a	Nyc. sp.	Confirmed	Not seen
6	22:01	n/a	n/a	n/a	n/a	Noctule	Amended	Added during analysis. Continues to 22:02.
7	22:02	n/a	n/a	n/a	n/a	Common Pipist	Confirmed	Not seen
8	22:03	n/a	n/a	n/a	n/a	Common Pipist	Confirmed	Not seen
9	22:06	n/a	n/a	n/a	n/a	Common Pipist	Confirmed	Not seen
10	22:12	n/a	n/a	n/a	n/a	Soprano Pipistr	Confirmed	Not seen
11	22:14	n/a	n/a	n/a	n/a	Noctule	Confirmed	Not seen
12	22:16	n/a	n/a	n/a	n/a	Noctule	Confirmed	Not seen
13	22:17	n/a	n/a	n/a	n/a	Soprano Pipistr	Confirmed	Not seen
14	22:19	n/a	n/a	n/a	n/a	Common Pipist	Confirmed	Not seen
15	22:20	n/a	n/a	n/a	n/a	Nyc. sp.	Confirmed	Not seen
16	22:20	n/a	n/a	n/a	n/a	Noctule	Amended	Added during analysis.
17	22:24	n/a	n/a	n/a	n/a	Common Pipist	Amended	Added during analysis.

18	22:26	n/a	n/a	n/a	n/a	Common Pipist	Confirmed	Not seen
19	22:27	5	0	n/a	n/a	Common Pipist	Confirmed	Foraging along hedge, then flew towards TW. Continues to 22:29.
20	22:29	n/a	n/a	n/a	n/a	Serotine	Amended	Added during analysis.
21	22:30	n/a	n/a	n/a	n/a	Common Pipist	Confirmed	Not seen
22	22:31	n/a	n/a	n/a	n/a	Common Pipist	Confirmed	NS. Continues to 22:32.
23	22:35	n/a	n/a	n/a	n/a	Common Pipist	Amended	Added during analysis.
24	22:37	n/a	n/a	n/a	n/a	Nyc. sp.	Confirmed	Not seen
25	22:38	n/a	n/a	n/a	n/a	Common Pipist	Amended	Added during analysis.
26	22:39	n/a	n/a	n/a	n/a	Nyc. sp.	Confirmed	Not seen
27	22:39	n/a	n/a	n/a	n/a	Common Pipist	Confirmed	Not seen

Date:	22/07/2020	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)
Sunset / sunrise time:	21:11	Crossing Point Number :	T6	Start	17	1	no
Start time:	21:11	Surveyor position:	north	Middle	17	5	no
End time:	22:41	Surveyor name:	TW	End	16	4	no
Dusk/Dawn	Dusk	Detector Number:	AW6				

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing		
F001	21:18	n/a	n/a	n/a	n/a	Noctule	Amended
F002	21:47	n/a	n/a	n/a	n/a	Common Pipistrelle	Amended
F003	21:58	n/a	n/a	n/a	n/a	Common Pipistrelle	Amended
F004	21:58	n/a	n/a	n/a	n/a	Serotine	Amended
F005	22:01	n/a	n/a	n/a	n/a	Noctule	Amended
F006	22:03	n/a	n/a	n/a	n/a	Soprano Pipistrelle	Amended
F007	22:04	n/a	n/a	n/a	n/a	Noctule	Amended
F008	22:27	n/a	n/a	n/a	n/a	Common Pipistrelle	Amended
F009	22:37	n/a	n/a	n/a	n/a	Serotine	Amended

F010	22:39	n/a	n/a	n/a	n/a	Myotis	Amended

Cloud cover (%)
50
20
5

Comments
Added during analysis.
Continues until 21:52. Added during analysis.
Continues until 22:05. Added during analysis.
Added during analysis.
Added during analysis.
Added during analysis.
Continues until 22:05. Added during analysis.
Continues on and off until 22:34. Added during analysis.
Added during analysis.

Added during analysis.

Date:	24/6/2020	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:30	Crossing Point Number :	34C	Start	24	3	no	0
Start time:	21:30	Surveyor position:	E	Middle	21	3	no	0
End time:	23:00	Surveyor name:	DL	End	20	3	no	0
Dusk/Dawn	Dusk	Detector Number:	AW5					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	22:16	n/a	n/a	n/a	n/a	P.pip	Confirmed	Not seen
2	22:21	3	1	E	N	P.pip	Confirmed	
3	22:31	n/a	n/a	n/a	n/a	P.pip	Amended	Added during analysis.
4	22:33 - 22:34	n/a	n/a	n/a	N	P.pip	Confirmed	Foraging low in road between hedges
5	22:36 - 22:37	n/a	n/a	n/a	n/a	P.pip	Confirmed	Not seen
6	22:38	n/a	n/a	n/a	n/a	N.noc	Confirmed	Not seen
7	22:40 - 22:41	n/a	n/a	n/a	n/a	P.pip	Confirmed	foraging in road between hedges, flying north and south
8	22:45	n/a	n/a	n/a	n/a	P.pip	Confirmed	Commuting, not seen
9	22:46	n/a	n/a	n/a	n/a	P.pip	Amended	Added during analysis.
10	22:47	n/a	n/a	n/a	n/a	P.pip	Confirmed	Commuting, not seen
11	22:49	n/a	n/a	n/a	n/a	P.pip	Amended	Added during analysis.
12	22:51	n/a	n/a	n/a	n/a	P.pip	Amended	Added during analysis.
13	22:53	n/a	n/a	n/a	n/a	P.pip	Confirmed	Commuting, not seen
14	22:55	n/a	n/a	n/a	n/a	P.pip	Amended	Added during analysis.
15	22:55	n/a	n/a	n/a	n/a	N.lei	Confirmed	Not seen

Date:	24/06/20	A358			Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:30	Crossing Point Number :	CP34C	Start	24	3	no	10
Start time:	21:30	Surveyor position:	W. of road ST281227	Middle	20	1	no	10
End time:	23:00	Surveyor name:	MA	End	19	1	no	10
Dusk/Dawn	23:00	Detector Number:	AW6					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:48	n/a	n/a	n/a	n/a	Noc	Confirmed	HNS
2	22:15	n/a	n/a	n/a	n/a	C. Pip	Confirmed	HNS
3	22:31	n/a	n/a	n/a	n/a	C. Pip	Confirmed	HNS cont. to 22:47
4	22:38	n/a	n/a	n/a	n/a	Noc	Confirmed	HNS cont. to 22:55
5	22:49	n/a	n/a	n/a	n/a	C. Pip	Amended	Added during analysis.
6	22:51	n/a	n/a	n/a	n/a	C. Pip	Amended	Added during analysis.
7	22:53	n/a	n/a	n/a	n/a	C. Pip	Confirmed	HNS socialising. Continues to 22:55.
8	22:55	n/a	n/a	n/a	n/a	E.ser	Amended	Added during analysis.

Date:	22/09/2020	Scheme:	A358		Temp (°C)	Wind (mph)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	19:11	Crossing Point Number :	34c	Start	17	6	V light at time	100
Start time:	19:11	Surveyor position:	West	Middle	16	6	V light at time	100
End time:	20:41	Surveyor name:	DL	End	15	7	none	100
Dusk/Dawn	Dusk	Detector Number:	D4					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	19:36	n/a	n/a	n/a	n/a	Ppip	Confirmed	Not seen
2	19:38	n/a	n/a	n/a	n/a	Ppyg	Confirmed	Not seen
3	19:39	n/a	n/a	n/a	n/a	Nnoc	Confirmed	Not seen
4	19:48	n/a	n/a	n/a	n/a	Ppip	Confirmed	Not seen
5	19:50	n/a	n/a	n/a	n/a	Ppyg	Confirmed	Not seen
6	19:54	n/a	n/a	n/a	n/a	Nlei	Confirmed	Not seen
7	19:54	n/a	n/a	n/a	n/a	Bbar	Added in analysis	Not seen
8	19:55	n/a	n/a	n/a	n/a	Eser	Confirmed	Not seen
9	19:59	n/a	n/a	n/a	n/a	Ppip	Confirmed	Not seen

10	20:06	n/a	n/a	n/a	n/a	Pip sp.	Confirmed	Not seen
11	20:06	n/a	n/a	n/a	n/a	Ppyg	Confirmed	Not seen
12	20:08	n/a	n/a	n/a	n/a	Ppip	Confirmed	Not seen
13	20:12	n/a	n/a	n/a	n/a	Ppip	Confirmed	Not seen
14	20:17	n/a	n/a	n/a	n/a	Myotis sp.	Confirmed	Not seen
15	20:18	n/a	n/a	n/a	n/a	Pip sp.	Confirmed	Not seen
16	20:18	n/a	n/a	n/a	n/a	Ppip	Confirmed	Not seen
17	20:24	n/a	n/a	n/a	n/a	Ppip	Confirmed	Not seen
18	20:28	n/a	n/a	n/a	n/a	Ppyg	Confirmed	Not seen
19	20:40	n/a	n/a	n/a	n/a	Ppip	Confirmed	Not seen

Date:	22/09/2020	Scheme:	A358		Temp (°C)	Wind (mph)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	19:11	Crossing Point Number :	34c	Start	17	5	1	100
Start time:	19:11	Surveyor position:	East	Middle	16	6	1	100
End time:	20:41	Surveyor name:	TJ	End	15	7	1	100
Dusk/Dawn	Dusk	Detector Number:	AW6					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	19:39	n/a	n/a	n/a	n/a	Noctule	Confirmed	Not seen
2	19:48	n/a	n/a	n/a	n/a	Common pip	Confirmed	Not seen
3	19:48	n/a	n/a	n/a	n/a	Noctule	Confirmed	Not seen
4	19:50	n/a	n/a	n/a	n/a	Common pip	Confirmed	Not seen
5	19:54	n/a	n/a	n/a	n/a	Noctule	Found in analysis	Not seen
6	19:55	5m	1m	East	North	Serotine	Confirmed	Flying along hedgerow heading north towards A358.
7	19:59	n/a	n/a	n/a	n/a	Common pip	Found in analysis	Not seen
8	20:08	n/a	n/a	n/a	n/a	Common pip	Confirmed	Continues until 20:09.
9	20:14	n/a	n/a	n/a	n/a	Common pip	Found in analysis	Not seen
10	20:17	n/a	n/a	n/a	n/a	Myotis	Found in analysis	Not seen
11	20:24	n/a	n/a	n/a	n/a	Common pip	Confirmed	captured by DL detector also. Continues until 20:35.
12	20:28	n/a	n/a	n/a	n/a	Soprano pip	Found in analysis	Not seen
13	20:40	n/a	n/a	n/a	n/a	Common pip	Confirmed	Not seen
14	20:41	n/a	n/a	n/a	n/a	Soprano pip	Found in analysis	Not seen

Date:	25/08/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	20:12	Crossing Point Number :	34c	Start	17	39	no	70
Start time:	20:12	Surveyor position:	east	Middle	16	39	no	80
End time:	21:42	Surveyor name:	AB	End	16	42	no	80
Dusk/Dawn	Dusk	Detector Number:	Sotton D4					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
F001	20:48	1.5	0	east	south-west	p.pyg	Confirmed	adjacent to hedge then crossed

Date:	25/08/20	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	20:10	Crossing Point Number :	cp34c	Start	17	wsw 24mph	None	95
Start time:	20:05	Surveyor position:	SE of field	Middle	17	wsw 24mph	None	95
End time:	21:40	Surveyor name:	SC	End	17	wsw 25 intermittent	very very light	95
Dusk/Dawn	Dusk	Detector Number:	AW2					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	20.42	2m	adjacent to hedgerow	n/a	West	unknown	Noctule	monitor keeps freezing

Date:	05.08.20	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	05:45	Crossing Point Number :	34d	Start	17	3	light	95
Start time:	04:15	Surveyor position:	rw facing east, gg facing west	Middle	17	1	none	100
End time:	05:45	Surveyor name:	RW/GG	End	16	1	none	100
Dusk/Dawn	Dawn	Detector Number:	AW6					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	04:15	4	2	east	flying around all direction	c.pip	P.Pip	continuous calls throughout survey
2	04:29	10	10	south	to south of feature#	myotis	Myotis	check species. continuous calls flying high around tree
3	04:47	n/a	n/a	n/a			E.Ser	Not seen
4	04:51	10	0	south	all directions	pips up to 4 seen	P.Pip and P.Pyg	not sure if all pips
5	05:03	3	0	south	continuous flying all directions	c pip	P.Pip	
6	05:14	n/a	n/a	n/a	n/a	Noctule	N.Noc	Not seen
7	05:17	n/a	n/a	n/a	n/a	Noctule	N.Noc	Not seen
8	05:23	n/a	n/a	n/a	n/a	Noctule	N.Noc	Not seen
9	05:24	very high	far to south of feature	south	n to s	Noctule	N.Noc	foraging. again at 05.28
10	05:32	very high	far to south of feature	south	n to s	Noctule	N.Noc	all noctules heading towards huish woods
11	05:38	very high	far to south of feature	south	n to s	Noctule	N.Noc	another at 05.39

Date:	10/09/2020	Scheme:	A358		Temp (°C)	Wind (mph)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	06:40	Crossing Point Number :	34d	Start	11	3	no	90
Start time:	05:10	Surveyor position:	east	Middle	10	4	no	20
End time:	05:10	Surveyor name:	TJ	End	9	7	no	20
Dusk/Dawn	Dawn	Detector Number:	AW6					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	05:50	n/a	n/a	n/a	n/a	Soprano pipistrelle	Confirmed	Not seen

Date:	10/09/2020	Scheme:	a358		Temp (°C)	Wind (mp/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	06:40	Crossing Point Number :	CP34D	Start	10	2	No rain	50
Start time:	05:10	Surveyor position:	West	Middle	10	2	No rain	60
End time:	06:40	Surveyor name:	TP	End	8	2	No rain	30
Dusk/Dawn	Dawn	Detector Number:	AW3					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	05:29	n/a	n/a	n/a	n/a	soprano pipistrelle	Added during analysis	Not seen
2	05:26	n/a	n/a	n/a	n/a	Soprano pipistrelle	Amended	Not seen

Date:	09.06.20	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:18	Crossing Point Number :	34d	Start	18	1	no	20
Start time:	21:18	Surveyor position:	Unknown	Middle	17	1	no	70
End time:	21.48	Surveyor name:	KG	End	16	1	no	80
Dusk/Dawn	Dusk	Detector Number:	AW6					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:26:00	n/a	n/a	n/a	n/a	Noctule	Found in analysis	
2	21:34:00	n/a	n/a	n/a	n/a	Noctule	Confirmed	flying in field to the north quite high up
3	21:36:00	n/a	n/a	n/a	n/a	Noctule	Confirmed	
4	22:05:00	n/a	n/a	n/a	n/a	Noctule	Confirmed	flew from north to south over two rows of hedgers between me and rowena
5	22:06:00	n/a	n/a	n/a	n/a	Serotine	Found in Analysis	Another call at 2207 and 2209
6	22:07:00	n/a	n/a	n/a	n/a	Common pipistrelle	Confirmed	flew up and down between me and RW 4 times low between hedges and then into the fields to the north
7	22:12:00	n/a	n/a	n/a	n/a	Serotine	Confirmed	
8	22:14:00	n/a	n/a	n/a	n/a	Common pipistrelle	Confirmed	flew south along the hedgerow
9	22:16:00	n/a	n/a	n/a	n/a	Common pipistrelle	Confirmed	flew south along the hedgerow
10	22:19:00	n/a	n/a	n/a	n/a	Serotine	Confirmed	
11	22:22:00	n/a	n/a	n/a	n/a	Serotine	Confirmed	
12	22:23:00	n/a	n/a	n/a	n/a	Common pipistrelle	Amended	flew north along the hedgerow. ANother call at 2225
13	22:24:00	n/a	n/a	n/a	n/a	Serotine	Amended	
14	22:27:00	n/a	n/a	n/a	n/a	Noctule	Confirmed	
15	22:31:00	n/a	n/a	n/a	n/a	Common pipistrelle	Confirmed	flew south along the hedgerow
16	22:35:00	n/a	n/a	n/a	n/a	Noctule	Found in Analysis	

17	22:36:00	n/a	n/a	n/a	n/a	Common pipistrelle	Amended	Another call at 2238 and 2240
18	22:40:00	n/a	n/a	n/a	n/a	Noctule	Found in Analysis	
19	22:46:00	n/a	n/a	n/a	n/a	Noctule	Found in Analysis	

Date:	09.06.20	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:18	Crossing Point Number :	34d	Start	18	1	no	20
Start time:	21:18	Surveyor position:	facing east	Middle	17	1	no	70
End time:	21.48	Surveyor name:	RW	End	16	1	no	80
Dusk/Dawn	Dusk	Detector Number:	AW6					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:35	40m or more	40m or more	above	sw to ne	Noctule	No recording	
2	21:27	n/a	n/a	n/a	n/a	Noctule	No recording, possibly wrong time?	not seen
3	22:02	n/a	n/a	n/a	n/a		Long-eared	Found in analysis
4	22:04	n/a	n/a	n/a	n/a		Noctule	Found in analysis
5	22:05	3	3	above	ne to sw	big bat	Serotine	
6	22.07	2	1	middle between paralell hedgerows	east to west back and forth	common Pipistrelle	Common pip	Regular pip activity between 22:05 and 22:11
7	22.11	2	1	middle between paralell hedgerows	East to west foraging back and forth	common Pipistrelle	Common pip	again at 22.14, 22.15
8	22.11	3	0	north	south to north over top of h	unknown	Serotine	Serotine frequent until 22:13
9	22:12	n/a	n/a	n/a	n/a		Barbastelle	Found in analysis
10	22:17	n/a	n/a	n/a	n/a	serotine	Serotine	not seen. Serotine activity until 22:23
11	22.23	3	0	south side of north hr	east to west	Pipistrelle sp	Common pip	
12	22.25	n/a	n/a	n/a	n/a	common Pipistrelle	Common pip	not seen
13	22.27	n/a	n/a	n/a	n/a	Noctule	Noctule	not seen
14	22.31	n/a	n/a	n/a	n/a	Noctule	Noctule	not seen
15	22.31	n/a	n/a	n/a	n/a	common Pipistrelle	Common pip	not seen
16	22:34	n/a	n/a	n/a	n/a		Noctule	Found in analysis

17	22.36	4	1	middle between paralell hedgerows	east to west, then back to east	common Pipistrelle	Common pip	
18	22:37	n/a	n/a	n/a	n/a		Noctule	Found in analysis
19	22.41	n/a	n/a	n/a	n/a	Noctule	Noctule	Noctule again at 22.44 and 22.46

Date:	22/06/20	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:30	Crossing Point Number :	CP34D	Start	21	n/a	None	0
Start time:	21:30	Surveyor position:	Unknown	Middle	19	n/a	none	10
End time:	23:00	Surveyor name:	KG	End	18	n/a	none	10
Dusk/Dawn	Dusk	Detector Number:	AW3					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:37:00	n/a	n/a	n/a	n/a	Noctule	Confirmed	Not seen
2	22:22:00	n/a	n/a	n/a	SW-NE	Common pipistrelle	Confirmed	flew along hedge from sw to ne the into fields to north
3	22:27:00	n/a	n/a	n/a	NE-SW	Nyctaloid	Amended	flew ne to sw along hedgeline. Amended from Noctule to Nyctaloid during analysis.
4	22:28:00	n/a	n/a	n/a	n/a	Common pipistrelle	Confirmed	flew up and down hedgerow several times - continues to 22:29.
5	22:31:00	n/a	n/a	n/a	n/a	Common pipistrelle	Confirmed	Not seen
6	22:33:00	n/a	n/a	n/a	n/a	Common pipistrelle	Confirmed	Not seen
7	22:36:00	n/a	n/a	n/a	n/a	Common pipistrelle	Confirmed	Not seen

Date:	22/06/20	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:30	Crossing Point Number :	CP34D	Start	21	n/a	None	0
Start time:	21:30	Surveyor position:	Unknown	Middle	19	n/a	none	10
End time:	23:00	Surveyor name:	TJ	End	18	n/a	none	10
Dusk/Dawn	Dusk	Detector Number:	AW2					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:37:00	n/a	n/a	n/a	n/a		Confirmed	Not seen
2	22:22:00	n/a	n/a	n/a	E		Confirmed	Flying towards KG
3	22:27:00	n/a	n/a	n/a	n/a		Amended	~27khz. Amended from unknown to serotine in analysis.
4	22:27:00	n/a	n/a	n/a	n/a		Confirmed	Not seen
5	22:28:00	n/a	n/a	n/a	E		Confirmed	Flying towards KG, then turned north.
6	22:28:00	n/a	n/a	n/a	E		Confirmed	Not seen
7	22:28:00	n/a	n/a	n/a	W		Confirmed	Not seen
8	22:29:00	n/a	n/a	n/a	W		Confirmed	Not seen
9	22:31:00	n/a	n/a	n/a	E		Confirmed	Travels east then west
10	22:33:00	n/a	n/a	n/a	E		Confirmed	Not seen
11	22:34:00	n/a	n/a	n/a	E		Confirmed	Not seen
12	22:35:00	n/a	n/a	n/a	n/a		Confirmed	Not seen
13	22:36:00	n/a	n/a	n/a	W		Confirmed	Not seen
14	22:37:00	n/a	n/a	n/a	W		Confirmed	Travels west, east, then west.
15	22:39:00	n/a	n/a	n/a	n/a		Amended	Added during analysis.
16	22:39:00	n/a	n/a	n/a	n/a		Amended	Added during analysis.
17	22:40:00	n/a	n/a	n/a	E		Confirmed	Not seen
18	22:41:00	n/a	n/a	n/a	W		Confirmed	Not seen
19	22:41:00	n/a	n/a	n/a	n/a		Amended	~28khz. Amended from unknown to serotine during analysis.
20	22:42:00	n/a	n/a	n/a	W		Confirmed	Not seen
21	22:43:00	n/a	n/a	n/a	n/a		Amended	~28khz. Amended from unknown to serotine during analysis.
22	22:44:00	n/a	n/a	n/a	E			Not seen
23	22:45:00	n/a	n/a	n/a	n/a		Confirmed	Not seen

24	22:48:00	n/a	n/a	n/a	n/a		Confirmed	Not seen
25	22:49:00	n/a	n/a	n/a	n/a		Amended	~28khz. Amended from unknown to serotine during analysis.
26	22:50:00	n/a	n/a	n/a	n/a		Amended	~28khz. Amended from unknown to serotine during analysis.
27	23:50:00	n/a	n/a	n/a	n/a		Amended	Added during analysis.
28	22:51:00	n/a	n/a	n/a	W		Confirmed	Not seen
29	22:51:00	n/a	n/a	n/a	n/a		Confirmed	Not seen
30	22:54:00	n/a	n/a	n/a	n/a		Amended	~26khz - continues to 22:55. Amended from unknown to serotine during analysis.

Date:	22/07/2020	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:12	Crossing Point Number :	34d	Start	20	9	no	50
Start time:	21:12	Surveyor position:	sw	Middle	19	6	no	25
End time:	22:42	Surveyor name:	AB	End	17	6	no	40
Dusk/Dawn	Dusk	Detector Number:	sottond4					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:49:50	5	0	middle	n/a	P.pip	Confirmed	hedgerows going ne to sw. Did not
2	22:03:50	5	0	middle	n/a	P.pyg	Confirmed	hedgerows going NE. Did not cross
3	22:37:00	6	0	middle	n/a	P.pip	Confirmed	hedgerows going NE. Did not cross

Date:	22/07/2020	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:12	Crossing Point Number :	34D	Start	18	9	no	40
Start time:	21:12	Surveyor position:	north east	Middle	16	6	no	25
End time:	22:42	Surveyor name:	JD	End	16	6	no	50
Dusk/Dawn	Dusk	Detector Number:	AW3					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:17	50	crossed	s	se-nw	n.nocx2	confirmed	crossed feature
2	21:56	3	3	s	ne-sw	e.ser	confirmed	commuted sw through sheltered corridor between hedgerows
3	22:03	3	3	s	sw-ne	pip sp.	amended	Changed from P.pip to Pip sp during analysis and bat commuted ne through sheltered corridor between hedgerows

Date:	27/08/2020	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	20:08	Crossing Point Number :	34d	Start	16	16	no	10
Start time:	20:08	Surveyor position:	North-east	Middle	15	16	no	10
End time:	21:38	Surveyor name:	AB	End	14	15	no	0
Dusk/Dawn	Dusk	Detector Number:	Sotton D4					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
F001	20:31	1.5	0	middle	nw	P.pip	65	came from south west in the middle of hedgerow and moved into field, foraging.
F002	20:37	1	0	middle	nw	p.pyg	100	same as above
F003	20:39	1	0	middle	n/a	P.pip	120	stayed between hedgerows
F004	20:40	1	0	middle	nw and se	P.pip	132-140	two pips, one constantly foraging at gap in hedgerow, going south-east to north-west continuously
F005	20:44	1.5	0	middle	n/a	P.pip	159	same as F002
F006	20:45	1.5	10	south	n/a	P.pip	178	did not cross, in field to the south
F007	20:47	1.5	0	middle	south	p.pip	208	came from middle of hedgerow moved to southern field
F008	20:48	1.5	0	middle	south	P.pip	216	same as above
F009	20:50	1.5	0	ne	north	p.pip	241	south to north, back an dforth
F010	20:52	1.5	0	ne	south	P.pip	248	same as above, constant foraging by two bats. to track 260 -270_280
F011	21:00	2	0	middle	north	common pipistr	318	two bats from east going west down the middle of hedgerow then in the northern field
F012	21:08	1.5	0	middle	n/a	common pipistr	422	from ne to sw, flew down the middle of two hedgerows

Date:	27/08/20	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	20:05	Crossing Point Number :	CP34D	Start	16	wsw 6mph	None	0
Start time:	20:05	Surveyor position:	NE along footpath	Middle	15	sw 5mph	none	30
End time:	21:35	Surveyor name:	SC	End	14	wsw 8mph	none	0
Dusk/Dawn	Dusk	Detector Number:	AW5					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	20:30:59	2.5	1	middle of hedgerow heading NE	NE		P.pyg	Headed NE up along footpath
2	20:36:50	2.5	1	middle of hedgerow heading NE	NE		P.pyg	Headed NE up along footpath
3	20:39:15	2.5	1	middle of hedgerow heading SW	SW		P.pip	
4	20:40:25	2.5	1	middle of hedgerow heading NE	NE		Pip spp.	2 in quick succession
5	20:41:40	2.5	1	middle of hedgerow heading SW	SW		P.pip	Foraging
	20:43:25	2.5	1	middle of hedgerow heading NE	NE		P.pip	10m in fromt of me heading NE
	20:45:35	2.5	1	middle of hedgerow heading SW	SW		P.pip	Foraging
	20:47:18	3	1	middle of hedgerow heading NE	NE	common pip	P.pip	
	20:49:15	3.5	1	middle of hedgerow heading NE then over hedgerow N direction			P.pip	
	20:54	n/a	n/a	n/a	n/a		E.ser	Found in analysis

	20:57:56	3	1	middle of hedgerow heading NE then over hedgerow N direction	NE		P.pip	Restarted monitor at this point as kept freezing
	2100:15	3	1	middle of hedgerow heading SW	SW		P.pip	
	21:06:50	3	1	middle of hedgerow heading NE	NE		No file	

Date:	05/06/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	03:31	Crossing Point Number :	2		11	8	no	20
Start time:	03:31	Surveyor position:	West	Middle	13	8	No	20
End time:	05:01	Surveyor name:	JC	End	13	10	No	20
Dusk/Dawn	Dawn	Detector Number:	D4					

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Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
No bats seen.								

Date:	05/06/2019	Scheme:	a358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	03:31	Crossing Point Number :	2		11	8	no	20
Start time:	03:31	Surveyor position:	east of hedgerow	Middle	13	8	No	20
End time:	05:01	Surveyor name:	Jonathan Dye	End	13	10	No	20
Dusk/Dawn	Dawn	Detector Number:	AW2	Detector recording says 1 hour earlier than the correct time				

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Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	03:31	N/A	N/A	N/A	N/A	Pip 45	confirmed	Not seen
2	03:41	5	1	S	NE-SW	Pip 45	confirmed	
3	03:42	6	2	S	NE-SW-SW	Pip 45	confirmed	Four observed passes
4	03:51	6	4	S	NE-SW	Pip 45	confirmed	
5	03:51	8	17	S	E-W	Pip 45	confirmed	
6	03:58	6	4	S	NE-SW	Pip 45	confirmed	
7	03:59	4	27	S	W-E	Pip 45	confirmed	
8	04:03	5	20	S	E-W	Pip 45	confirmed	
9	04:06	6	4	S	SW-NE-SW	Pip 45	confirmed	circling along hedgerow
10	04:11	5	4	S	SW	Pip 45	confirmed	Two bats chasing along hedgerow

11	04:12	7	1	S	NE-W-NE	Pip 45	confirmed	2 bats made crossing for 8 mins
12	04:15	5	1	S	NE-W	Myotis so	confirmed	Two bats chasing and foraging for 14 mins and 52 passes.

Date:	08/08/2017	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	05:48	Crossing Point Number :	CP2	Start	14	0	Light	100
Start time:	04:18	Surveyor position:	south	Middle	13	0	Light	100
End time:	05:48	Surveyor name:	JG	End	13	0	no	100
Dusk/Dawn	Dawn	Detector Number:	Sotton D3					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	05:22:00	NS	NS	NS	N/A	P.pip	Confirmed	Not seen, considered likely to be on eastern side of hedge

Date:	08/08/2017	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	05:48	Crossing Point Number :	2	Start	14	0	Light spitting	100
Start time:	04:18	Surveyor position:	south	Middle	13	0	Light spitting	100
End time:	05:48	Surveyor name:	LS	End	13	0	no	100
Dusk/Dawn	Dawn	Detector Number:	duet 6, recorder 5					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
25	04:56:29	Not Seen (NS)	NS	NS	N/A	P.pip	P.pip	Not seen. 93 secs on track
26	05:03:31	NS	NS	E	N/A	P.pip	P.pip	suspected commuting 170
28	05:13:05	NS	NS	NS	N/A	P.pip	P.pip	again at 05:16. 154 secs on
29	05:21:44	NS	NS	E	N/A	P.pip	P.pip	(15) passes foraging on

Date:	23/06/2020	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	04:58	Crossing Point Number :	CP2	Start	12	1	no	20
Start time:	03:28	Surveyor position:	S	Middle	12	1	no	20
End time:	04:45	Surveyor name:	KG	End	11	1	no	20
Dusk/Dawn	Dawn	Detector Number:	AW3	Cool, clear, calm				

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	03:29:00	10	2	E	S	Myotis sp.		Ongoing until 3:46, couple of passes then flew along the hedge towards TJ (NE)
2	03:42:00	NS	NS	NS	NS	Noctule		Brief
3	03:48:00	NS	NS	NS	NS	Myotis sp.		
4	03:51:00	NS	NS	NS	NS	Myotis sp.		Added during analysis
5	03:58:00	NS	NS	NS	NS	Common pipistrelle		Added during analysis
6	04:04:00	NS	NS	NS	NS	Myotis sp.		
7	04:06:00	NS	NS	NS	NS	Common pipistrelle		Added during analysis

8	04:09:00	NS	NS	NS	NS	Common pipistrelle		Added during analysis
9	04:14:00	NS	NS	NS	NS	Common pipistrelle		Added during analysis
10	04:25:00	NS	NS	NS	NS	Common pipistrelle		Added during analysis

Date:	23/06/2020	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	04:58	Crossing Point Number :	CP2	Start	12	1	no	20
Start time:	03:28	Surveyor position:	S	Middle	12	1	no	20
End time:	04:45	Surveyor name:	TJ	End	12	1	no	20
Dusk/Dawn	Dawn	Detector Number:	AW2	Clear morning, reasonably warm.				

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	03:32:00	NS	NS	NS	NS	P.pip	Confirmed	Continues to 03:36.
2	03:32:00	NS	NS	NS	NS	M.sp.	Amended	Found during analysis. 03.32-03.34
3	03:36:00	NS	NS	NS	NS	M.sp.	Amended	~37khz, continues to 03:40. Changed from Unknown to Myotis sp.
4	03:42:00	NS	NS	NS	NS	N.noc	Confirmed	
5	03:44:00	NS	NS	NS	NS	M.sp.	Confirmed	
6	03:47:00	NS	NS	NS	NS	M.sp.	Confirmed	Continues to 03:48.
7	03:50:00	NS	NS	NS	NS	M.sp.	Confirmed	Continues to 03:51.
8	03:54:00	NS	NS	NS	NS	M.sp.	Confirmed	

9	03:56:00	NS	NS	NS	NS	M.sp.	No recording	
10	04:01:00	NS	NS	NS	NS	P.pip	Confirmed	
11	04:02:00	NS	NS	NS	NS	M.sp.	Confirmed	
12	04:04:00	NS	NS	NS	NS	P.pip	Confirmed	
13	04:06:00	NS	NS	NS	NS	P.pip	Confirmed	
14	04:08:00	NS	NS	NS	NS	P.pip	Confirmed	Continues to 04:19.

Date:	04-Jul-17	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:30	Crossing Point Number :	CP2	Start	18	0	0	50
Start time:	21:30	Surveyor position:	SE	Middle	15	0	0	50
End time:	23:00	Surveyor name:	AJ	End	15	0	0	50
Dusk/Dawn	Dusk	Detector Number:	AW1					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	from feature (m)	Side of feature	Direction crossing			
1	21:44	n/a	n/a	n/a	n/a	C.pip	Amended	Found during analysis
2	21:45	n/a	n/a	n/a	E	C.Pip	Confirmed	Brief call Heard but not seen.
3	21:54	n/a	n/a	n/a	n/a	Noctule	Confirmed	Heard but not seen
4	21:58	n/a	n/a	n/a	n/a	C.pip	Amended	Found during analysis
5	22:02	n/a	n/a	n/a	n/a	C.Pip	Confirmed	Feeding buzz. Recorded for 8 mins
6	22:06	5m above ground	<5m	SE	SE	C.Pip	Confirmed	3 bats seen foraging up and down SE corner of hedgerow

7	22:07	3m above ground	<5m	SE	Came from west commuted over SE into adjacent field	C.Pip	Confirmed	Passing over SE into next field
8	22:10	4m above ground	5m from hedg	SE	From North- South east	C.Pip	Confirmed	Foraging along hedgerow then commutined South over road
9	22:13	3m above ground	7m	SE	1 Bat crossing North and 1 Bat crossing SE of Hedgerow	C.Pip	Confirmed	2 bats foraging up and down hedgerow
10	22:16	3m above ground	5m	SE	Came from west commuted over SE into adjacent field	C.Pip	Confirmed	Commutedfrom the west over SE of hedgerow
11	22:16	n/a	n/a	n/a	n/a	Noctule	Confirmed	Heard not seen
12	22:18	n/a	n/a	n/a	n/a	C.pip	Amended	Found during analysis. Calling for the rest of the survey
13	22:23	n/a	n/a	n/a	n/a	C.Pip	Confirmed	Heard not seen
14	22:23:00-22:4	n/a	n/a	n/a	n/a	C.Pip	Confirmed	Continuous foraging activity
15	22:45	n/a	n/a	n/a	n/a	Noctule	Confirmed	Heard not seen
16	22:48	n/a	n/a	n/a	n/a	Natterers	Amended	96khz

17	22:49	n/a	n/a	n/a	n/a	Noctule	Confirmed	Heard not seen
18	22:52	n/a	n/a	n/a	n/a	C.Pip	Confirmed	Heard not seen
19	22:55	n/a	n/a	n/a	n/a	C.Pip	Confirmed	Heard not seen
20	22:56	n/a	n/a	n/a	n/a	Noctule	Confirmed	Heard not seen
21	22:58	n/a	n/a	n/a	n/a	Serotine	Confirmed	Heard not seen

Date:	04-Jul-17	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:30	Crossing Point Number :	CP2	Start	18	0	no	50
Start time:	21:30	Surveyor position:	SE	Middle	15	0	no	50
End time:	23:00	Surveyor name:	LN	End	15	0	no	50
Dusk/Dawn	Dusk	Detector Number:	AW3					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:50	5m above ground	5m from hedge	North side of hedge	E	Unknown	Not recorded	Commuting along top of hedgerow. Not picked up by detector
2	21:54	10m above ground	5m from hedge	North side of hedge	n/a	Unknown	Not recorded	foraging. Not picked up by detector
3	21:56	n/a	5m from hedge	North side of hedge	n/a	C.pip	Confirmed	NS.
4	21:57	n/a	5m from hedge	North side of hedge	n/a	C.pip	Confirmed	NS. Foraging for 3 mins
5	22:00	1/2m above ground	5m from hedge	North side of hedge	n/a	C.pip	Confirmed	hedge/field. For 7 mins
6	22:07	1/2m above ground	5m from hedge	North side of hedge	n/a	C.pip	Confirmed	Feeding buzz-feeding through hedgerow. C.pip detected for 3 mins
7	22:13	1/2m above ground	5m from hedge	North side of hedge	n/a	Serotine	Confirmed	Feeding in field next to hedge

8	22:15	n/a	5m from hedge	North side of hedge	n/a	C.pip	Confirmed	Foraging on and of for 12 mins
9	22:23	n/a	5m from hedge	North side of hedge	n/a	C.pip	Confirmed	Foraging
10	22:26	n/a	5m from hedge	North side of hedge	n/a	C.pip	Confirmed	Foraging
11	22:32	n/a	5m from hedge	North side of hedge	n/a	C.pip	Confirmed	Foraging
12	22:36	n/a	n/a	n/a	n/a	Myotis	Amended	Found during analysis
13	22:36	n/a	5m from hedge	North side of hedge	n/a	C.pip	Confirmed	Foraging
14	22:40	n/a	n/a	n/a	n/a	C.pip	Amended	Found during analysis
15	22:45	n/a	5m from hedge	North side of hedge	n/a	C.pip	Confirmed	Foraging
16	22:47	5m above ground	5m from hedge	North side of hedge	n/a	C.pip	Confirmed	Foraging
17	22:50	n/a	n/a	n/a	n/a	Barbastelle	Amended	Found during analysis
18	22:52	n/a	5m from hedge	North side of hedge	n/a	C.pip	Confirmed	Constant foraging untl the end of survey
19	22:56	n/a	5m from hedge	North side of hedge	n/a	C.pip	Confirmed	Foraging and social. More than one pip?
20	22:58	n/a	n/a	n/a	n/a	Serotine	Amended	Found during analysis
21	22:59	n/a	5m from hedge	North side of hedge	n/a	C.pip	Confirmed	

Date:	04/09/2017	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	19:51	Crossing Point Number :	2	Start	14	7	no	100
Start time:	19:51	Surveyor position:	NE	Middle	14	7	no	100
End time:	21:21	Surveyor name:	JD	End	14	7	no	100
Dusk/Dawn	Dusk	Detector Number:	AW3	Calm, Dry, warm. Surveyors were located close to the hedgerow due to cows.				

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	20:13	8 to 3	15	NW	NE-S (along hedge, no crossing)	P.pip	P.pip	
2	20:14	2	3	NW	NE-S (along hedge, no crossing)	P.pip	P.pip	
3	20:14	2	3	NW	S-NE(along hedge, no crossing)	P.pip	P.pip	
4	21:14	2	3	NW	S-NE(along hedge, no crossing)	P.pip	P.pip	
5	21:18	6 to 2	5	NW	SW-SE	ES	Serotine	
6	22:18	3	4	NW	S-NE(along hedge, no crossing)	P.pip	P.pip	
7	20:24	3	3	NW	S-NE(along hedge, no crossing)	P.pyg	P.pyg	
8	20:31	2	4 to 2	NW	S-NE(along hedge, no crossing)	P.pip	P.pip	
9	20:35	5	10	NW	S-NE(along hedge, no crossing)	Myotis sp.	Myotis sp.	
10	20:41	3 to 5	10	NW	S-NE(along hedge, no crossing)	P.pyg	P.pip and P.pyg	

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
	20:44	N/A	N/A	N/A	N/A	N/A	P.pyg	Found during analysis
	20:48	N/A	N/A	N/A	N/A	N/A	P.pyg	Found during analysis
	20:52	N/A	N/A	N/A	N/A	N/A	P.pip	Found during analysis. Called for 3 mins
	20:58	N/A	N/A	N/A	N/A	N/A	P.pip	Found during analysis. Called for 4 mins
	21:04	N/A	N/A	N/A	N/A	N/A	P.pyg	Found during analysis
	21:10	N/A	N/A	N/A	N/A	N/A	P.pip	Found during analysis
	21:12	N/A	N/A	N/A	N/A	N/A	P.pyg	Found during analysis
	21:13	N/A	N/A	N/A	N/A	N/A	Leislers	Found during analysis
	21:14	N/A	N/A	N/A	N/A	N/A	Myotis sp.	Found during analysis
11	21:15	1.5	5	NW	S-NE(along hedge, no	P.pyg	P.pyg	
	21:16	N/A	N/A	N/A	N/A	N/A	P.pyg	Found during analysis. Called for 3 mins

Date:	04/09/2017	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	19:51	Crossing Point Number :	2	Start	14	7	no	100
Start time:	19:51	Surveyor position:	SW	Middle	14	7	no	100
End time:	21:21	Surveyor name:	PP	End	14	7	no	100
Dusk/Dawn	Dusk	Detector Number:	D2	Calm, Dry, warm. Surveyors were located close to the hedgerow due to cows.				

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
125	20:13	5	4	NW	N-E	P.pip	P.pip	47 KHz
137	20:14	3	2	NW	N-E	P.pip	P.pip	47 KHz
185	20:17	N/A	N/A	N/A	N/A	N/A	P.pip and Serotine	Found during analysis
187	20:17	2	2	NW	E-W	P.pip	N/A	45 KHz. Not recorded
186	20:17	2	2	NW	E-W	P.pip	N/A	45 KHz. Not recorded
195	20:18	1.5	1	NW	W-E	P.pip	Serotine	44 KHz
204	20:18	2	3	NW	E-W	P.pip	P.pyg	51kHz
272	20:24	3	3	NW	W-E	P.pyg	P.pyg	55KHz
281	20:25	N/A	N/A	N/A	N/A	N/A	P.pyg	Found during analysis
288	20:25	2	2	NW	W-E	P.pyg	N/A	55KHz. Not recorded

315	20:27	3	6	NW	W-E	P.pip	P.pip	46KHZ
358	20:31	N/A	N/A	N/A	N/A	N/A	P.pip	Found during analysis
363	20:31	N/A	N/A	N/A	N/A	N/A	Myotis	Found during analysis
364	20:31	2	4	NW	E-W	P.pip	P.pip	44KHz
Record no.	**Time (hh:mm:ss)**	**Observations of crossing bats**				**Species**	**Sound Analysis ID**	**Comments**
		Height above road (m)	**Distance from feature (m)**	**Side of feature**	**Direction crossing**			
383	22:33	N/A	N/A	N/A	N/A	N/A	Myotis	Found during analysis
405	22:35	N/A	N/A	N/A	N/A	N/A	Myotis	Found during analysis
473	20:40	N/A	N/A	N/A	N/A	N/A	P.pip	Found during analysis
497	20:42	3	5	NW	E-W	pip	P.sp	51 kHz
548	20:46	N/A	N/A	N/A	N/A	N/A	P.pip	Found during analysis
549	20:46	N/A	N/A	N/A	N/A	N/A	P.sp	Found during analysis
553	20:46	N/A	N/A	N/A	N/A	N/A	Noctule	Found during analysis
577	20:48	N/A	N/A	N/A	N/A	N/A	P.pip	Found during analysis
578	20:48	N/A	N/A	N/A	N/A	N/A	P.sp	Found during analysis
590	20:49	2	4	NW		pip	P.pyg	50kHz

605	20:51	N/A	N/A	N/A	N/A	N/A	P.pyg	Found during analysis
606	20:51	N/A	N/A	N/A	N/A	N/A	P.pip	analysis. Called for 3 mins
607	20:51	N/A	N/A	N/A	N/A	N/A	P.sp	analysis. Called for 7 mins
619	20:51	3	4	NW	E-W	pip	P.pyg	50kHz. Called for 2 mins
677	20:57	N/A	N/A	N/A	N/A	N/A	P.pip	analysis. Called for 8 mins
708	21:00	3	5	NW		P. pip	P. pip	46kHz
723	21:01	4	4	NW	E-W	P. pip	P. pip	45 KhZ
834	21:10	2	3	NW		pip	P. pip	52 kHz
868	21:13	N/A	N/A	N/A	N/A	N/A	Leislers	Found during analysis
880	21:15	3	6	NW		P. pip	Myotis	43 kHz
885	21:15	N/A	N/A	N/A	N/A	N/A	P.aur	Found during analysis
894	21:17	4	3	NW		pip	P.sp	52 kHz

Date:	08/05/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	20:44	Crossing Point Number :	CP2	Start	12	4	no	40
Start time:	20:44	Surveyor position:	North east of hedgerow	Middle	10	3	no	20
End time:	22:14	Surveyor	JD	End	10	3	no	20
Dusk/Dawn	Dusk	Detector Number:	AW1					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:02	8	1	East	S-NW	p.pyg	confirmed	
2	21:11	4	1.5	East	S-N	p.pip and p.pyg	Amended	three mins of foraging
3	21:15	5	2	West	nw-s	p.pip and p.pyg	Amended	four mins of foraging
4	21:19	4	1	West	nw-e	p.pip and p.pyg	Amended	
5	21:20	4	1.5	East	S-N	p.pip	confirmed	
6	21:25	8	3	East	SE-nw	p.pip	confirmed	
7	21:29	8	30	East	ne-w	p.pip	confirmed	

Date:	08/05/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	20:44	Crossing Point Number :	CP2	Start	12	0	no	80
Start time:	20:44	Surveyor position:	west of hedge	Middle	11	0	no	80
End time:	22:14	Surveyor name:	MC	End	11	0	no	80
Dusk/Dawn	Dusk	Detector Number:	AW2	walkabout was 1 hr slow				

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:10			East		P.Pip	Confirmed	Other side of hedge
2	21:28			East		P.Pip	Confirmed	Other side of hedge
3	21:31			East		P. pyg	Confirmed	Other side of hedge
4	21:35			East		P. pip	Confirmed	Other side of hedge

Date:	25/07/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:10	Crossing Point Number :	CP2	Start	22	2	no	60
Start time:	21:04	Surveyor position:	North	Middle	20	2	no	50
End time:	22:40	Surveyor name:	JD & LF	End	19	4	no	40
Dusk/Dawn	Dusk	Detector Number:	AW3	Analysed by Jonathan Dye on 25/07/2019				

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:45	N/A	N/A	N/A	N/A	p.pip	Amended	not seen
2	21:51	N/A	N/A	N/A	N/A	p.pip	Confirmed	not seen
3	21:55	N/A	N/A	N/A	N/A	p.pip	Confirmed	not seen
4	21:58	N/A	N/A	N/A	N/A	p.pip	Not recorded	not seen
5	22:00	6	1	North	E-W	p.pip	Confirmed	crossing hedgerow
6	22:07	5	1	North	W-E	p.pip	Confirmed	crossing hedgerow
7	22:08	6	4	South	E-SW	p.pip	Confirmed	
8	22:13	7	6	South	E-SW	p.pip	Confirmed	
9	22:23	N/A	N/A	N/A	N/A	myotis sp	Confirmed	not seen
10	22:23	N/A	N/A	N/A	N/A	serotine	Confirmed	not seen

11	22:29	N/A	N/A	N/A	N/A	myotis sp	Amended	not seen

Date:	25/07/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:10	Crossing Point Number :	CP2	Start	22	2	no	30
Start time:	21:10	Surveyor position:	South	Middle	21	2	no	50
End time:	22:40	Surveyor name:	LF	End	19	2	no	40
Dusk/Dawn	Dusk	Detector Number:	D2					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:31	30	0	S	N	noctule	Confirmed	
2	21:37	10	0	S	N	common pipistrelle	Confirmed	
3	21:45	5	0	N	E	common pipistrelle	Confirmed	Continuously flying east to west along hedgerow, occasionally crossing hedge before returning to north side and repeating. feeding calls frequent
4	21:54	5	0	N	E	soprano pipistrelle	Confirmed	Communting east along hedge
5	21:12	N/A	N/A	N/A	N/A	myotis species	Amended	Not seen or heard found during analysis

6	22:13	N/A	N/A	N/A	N/A	leisler	Amended	Not seen or heard found during analysis
7	21:59	5	0	S	W	common pipistrelle	Confirmed	Commuting along hedge
8	22:08	8	0	S	S	common pipistrelle	Confirmed	Crossed from north then circled overhead then flew south over open field
9	22:37	N/A	N/A	N/A	N/A	Long eared bat	Amended	Found in analysis

Date:	14/08/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	05:55	Crossing Point Number :	16	Start	15	16	light	100
Start time:	04:25	Surveyor position:	East	Middle	15	18	light	100
End time:	05:55	Surveyor name:	BC	End	15	11	no	95
Dusk/Dawn	Dawn	Detector Number:	AW3	survey delayed due to heavy rain				

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	04:42	N/A	N/A	N/A	N/A	common pip	common pip	Not seen
2	04:46	N/A	N/A	N/A	N/A	common pip	common pip	Not seen
3	04:49	N/A	N/A	N/A	N/A	myotis	myotis	Not seen
4	04:52	N/A	N/A	N/A	N/A	common pip	NR	Not seen
5	05:00	N/A	N/A	N/A	N/A	common pip	common pip	Not seen
6	05:14	N/A	N/A	N/A	N/A	common pip	common pip	Not seen
7	05:16	30m	20m	east	SE	noctule	noctule	
8	05:20	N/A	N/A	N/A	N/A	noctule	noctule	Not seen
9	05:20	N/A	N/A	N/A	N/A	common pip	common pip	Not seen
10	05:25	N/A	N/A	N/A	N/A	noctule	noctule	Not seen

Date:	14/08/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	04:22	Crossing Point Number :	CP16	Start	15	8	no	100
Start time:	05:55	Surveyor position:	West	Middle	13	8	no	100
End time:	05:55	Surveyor name:	GG & CD	End	12	8	light	100
Dusk/Dawn	Dawn	Detector Number:	AW3					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	05:34	N/A	N/A	N/A	N/A	Noctule	Found in analysis	Not seen
2								
3								
4								
5								
6								
7								
8								

Date:	01/06/2020	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:19	Crossing Point Number :	CP16	Start	18	8	0	0
Start time:	21:19	Surveyor position:	east	Middle	17	5	0	0
End time:	22:49	Surveyor name:	DL & MA	End	15	5	0	0
Dusk/Dawn	Dusk	Detector Number:	AW6					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:36	NS	NS	NS	NS	N.noc	Confirmed	not seen
2	21:39	NS	NS	NS	NS	N.noc	Confirmed	not seen
3	21:45	5	n/a	n/a	n/a	P.pyg	Confirmed	foraging. Did not cross
4	21:46	5	n/a	n/a	n/a	P.pyg	Confirmed	forging high in trees bordering road. Until 21:50
5	21:49	NS	NS	NS	NS	P.pip	Confirmed	foraging until 21:51
6	21:53	NS	NS	NS	NS	Long-eared	Amended	foraging
7	21:53	n/a	5	n/a	n/a	N.noc	Confirmed	foraging high then flew north over river. Did not cross road (until 21:56)
8	21:54	n/a	n/a	n/a	n/a	P.pip	Confirmed	Until 21:56

9	21:57	n/a	n/a	n/a	n/a	Long-eared	Amended	also 21:58
10	21:58	n/a	n/a	n/a	n/a	P.pip	Confirmed	flew west and down into river
11	22:00	n/a	n/a	n/a	n/a	N.noc	Confirmed	flew east foraging
12	22:00	n/a	n/a	n/a	n/a	Long-eared	Amended	two passes
13	22:03	n/a	n/a	n/a	n/a	Long-eared	Amended	
14	22:05	4	n/a	n/a	n/a	N.noc	Confirmed	Foraging until 22:07
15	22:08	n/a	n/a	n/a	n/a	P.pip	Confirmed	until 22:11
16	22:08	4	n/a	W to E	E	Long-eared	Amended	Flew over road from W to E
17	22:09	n/a	n/a	n/a	n/a	Myotis	Confirmed	Also 22:12
18	22:14	NS	NS	NS	NS	E.ser	Confirmed	not seen
19	22:15	n/a	n/a	n/a	n/a	P.pyg	Confirmed	
20	22:16	n/a	n/a	n/a	n/a	P.pip	Confirmed	Also 22:19
21	22.16	4	n/a	SE to W	w	Long-eared	Amended	Flew over road, from SE to W
22	22.25	5	n/a	n/a	east	Long-eared	Amended	
23	22:30	n/a	n/a	n/a	n/a	Long-eared	Amended	

24	22.32	n/a	n/a	n/a	w	Long-eared	Amended	Foraging
25	22.38	n/a	n/a	n/a	w	P.pip	Confirmed	Foraging
26	22:39	n/a	n/a	n/a	n/a	Barb	Amended	
27	22:42	n/a	n/a	n/a	n/a	E.ser	Amended	
28	22:44	n/a	n/a	n/a	n/a	P.pip	Confirmed	
29	22:45	n/a	n/a	n/a	n/a	Long-eared	Amended	
30	22:48	n/a	n/a	n/a	n/a	Barb	Amended	

Date:	01/06/2020	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:19	Crossing Point Number :	CP16	Start	18	8	0	0
Start time:	21:19	Surveyor position:	west	Middle	17	5	0	0
End time:	22:49	Surveyor name:	GG & DBl	End	15	5	0	0
Dusk/Dawn	Dusk	Detector Number:	AW5					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:40:00	N/A	N/A	N/A	N/A	Noctule	Confirmed	Not seen
2	21:42:00	N/A	N/A	N/A	N/A	Noctule	Confirmed	Not seen
3	21:43:00	N/A	N/A	N/A	N/A	Soprano pipistrelle	Confirmed	Not seen
4	21:48:00	N/A	N/A	N/A	N/A	Noctule	Confirmed	Not seen
5	21:52:00	10	N/A	E	N/A	Noctule	Confirmed	foraging high mainly on east side above treeline
6	21:52:00	N/A	N/A	N/A	N/A	Long-eared bat	Found in Analysis	Found in QA
7	21:53:00	10	N/A	W	N/A	Common pipistrelle	Amended	going up and down hedgerow on west side continuos for most of survey

8	21:58:00	N/A	N/A	N/A	N/A	Serotine	Found in Analysis	Found in QA
9	22:02:00	N/A	N/A	N/A	N/A	Serotine	Found in Analysis	Found in QA
10	22:04:00	6	N/A	W	N/A	Noctule	Confirmed	foraging on west side above surveyors quite low
11	22:07:00	N/A	N/A	N/A	N/A	Myotis sp.	Found in Analysis	Not seen
12	22:09:00	N/A	N/A	N/A	N/A	Serotine	Amended	possible long earred hard to tell
13	22:11:00	N/A	N/A	N/A	N/A	Noctule	Confirmed	Not seen
14	22:15:00	N/A	N/A	N/A	N/A	Myotis sp.	Confirmed	Not seen
15	22:26:00	N/A	N/A	N/A	N/A	Common pipistrelle	Confirmed	Not seen
16	22:29:00	N/A	N/A	N/A	N/A	Serotine	Found in Analysis	Not seen
17	22:35:00	N/A	N/A	N/A	N/A	Common pipistrelle	Confirmed	Not seen
18	22:39:00	N/A	N/A	N/A	N/A	Barbastelle	Found in Analysis	Not seen
19	22:44:00	N/A	N/A	N/A	N/A	Serotine	Found in Analysis	Not seen
20	22:45:00	N/A	N/A	N/A	N/A	Common pipistrelle	Found in Analysis	Not seen

Date:	10/09/2020	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	19:36	Crossing Point Number :	16	Start	14	10	no	15
Start time:	19:36	Surveyor position:	East	Middle	14	10	no	35
End time:	21:06	Surveyor name:	JW DL	End	13	10	no	50
Dusk/Dawn	Dusk	Detector Number:	BL5	Batlogger one hour fast				

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	19:54	5	0	E	E-W	Unknown	No recording	Two bats flying along river and over A358 to the west, nothing picked up on detector
2	19:55	20	30	E	SW-NE	Noctule	Confirmed	Flying across field behind
3	20:04	N/A	N/A	N/A	N/A	Pip spp.	Confirmed	Not seen
4	20:05	N/A	N/A	N/A	N/A	Common pip	Confirmed	Presumed to be along river bed.
5	20:08	N/A	N/A	N/A	N/A	Myotis	Found in analysis	Amended to Myotis in analysis

6	20:10	1	10	E	N-S	Greater horseshoe	Amended	Amended to greater horseshoe in analysis. Did not cross road, came through hedge along watercourse.
7	20:11	N/A	N/A	N/A	N/A	Common pip	Confirmed	Not seen
8	20:13	N/A	N/A	N/A	N/A	Myotis	Found in analysis	Amended to Myotis in analysis
9	20:13	N/A	N/A	N/A	N/A	Barbastelle	Found in analysis	Amended to Barbastelle in analysis
10	20:15	N/A	N/A	N/A	N/A	Soprano pip	confirmed	Not seen
11	20:19	N/A	N/A	N/A	N/A	Serotine	confirmed	Not seen
12	20:20	2	0	E	S-N	Greater horseshoe	Amended	Amended to Greater horseshoe in analysis. Flew through gap in hedge by river.
13	20:20	N/A	N/A	N/A	N/A	Barbastelle	Found in analysis	Not seen
14	20:23	N/A	N/A	N/A	N/A	Barbastelle	Found in analysis	Not seen
15	20:24	N/A	N/A	N/A	N/A	Serotine	No recording	Not seen

16	20:28	N/A	N/A	N/A	N/A	Common pip	confirmed	Not seen
17	20:29	N/A	N/A	N/A	N/A	Barbastelle/Long-eared	Found in analysis	Not seen
18	20:34	N/A	N/A	N/A	N/A	Long-eared	Found in analysis	Not seen
19	20:34	N/A	N/A	N/A	N/A	Barbastelle	Found in analysis	Not seen
20	20:34	N/A	N/A	N/A	N/A	Myotis	Found in analysis	Not seen
21	20:36	N/A	N/A	N/A	N/A	Common pip	Confirmed	Not seen
22	20:44	N/A	N/A	N/A	N/A	Soprano pip	Confirmed	Not seen
23	20:46	N/A	N/A	N/A	N/A	Myotis	Amended	Amended to Myotis in analysis
24	20:51	N/A	N/A	N/A	N/A	Myotis	Amended	Amended to Myotis in analysis
25	20:55	N/A	N/A	N/A	N/A	Myotis	Amended	Amended to Myotis in analysis
26	20:59	N/A	N/A	N/A	N/A	Common pip	Confirmed	Not seen

Date:	10/09/2020	Scheme:	A358		Temp (°C)	Wind (mph)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:07	Crossing Point Number :	16	Start	16	4	no	10
Start time:	19:37	Surveyor position:	west	Middle	14	4	no	90
End time:	21:07	Surveyor name:	TJ & TP	End	13	5	no	90
Dusk/Dawn	Dusk	Detector Number:	AW6					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	20:08	2	3	west	S-N	Common Pipistrelle	Confirmed	Flew along hedgeline - forgaing. Continues until 20:11.
2	20:19	2	3	west	N-S	Common Pipistrelle	Confirmed	Flew along hedgeline.
3	20:23	N/A	N/A	N/A	N/A	Common Pipistrelle	Confirmed	Not seen
4	20:27	N/A	N/A	N/A	N/A	Soprano Pipistrelle	Confirmed	Not seen
5	20:35	N/A	N/A	N/A	N/A	Common Pipistrelle	Confirmed	Not seen
6	20:35	N/A	N/A	N/A	N/A	Soprano Pipistrelle	Confirmed	Continues until 20:36.
7	20:39	N/A	N/A	N/A	N/A	Soprano Pipistrelle	Confirmed	Not seen
8	20:41	N/A	N/A	N/A	N/A	Soprano Pipistrelle	Confirmed	Not seen

9	20:43	N/A	N/A	N/A	N/A	Common Pipistrelle	Confirmed	Not seen
10	20:46	N/A	N/A	N/A	N/A	Common Pipistrelle	Confirmed	Not seen
11	20:56	N/A	N/A	N/A	N/A	Common Pipistrelle	Confirmed	Not seen
12	21:02	N/A	N/A	N/A	N/A	Common Pipistrelle	Confirmed	Not seen

Date:	17/09/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	19:23	Crossing Point Number :	16	Start	16	13	no	10
Start time:	19:23	Surveyor position:	South	Middle	14	10	no	0
End time:	20:53	Surveyor name:	BC & JD	End	13	10	no	0
Dusk/Dawn	Dusk	Detector Number:	AW1	20:07 barn owl seen foraging and hunting for vole, flew NW over hedgerow				

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	19:52:00	5	0	east	n to sw	p.pipx2	Confirmed	social calls
2	20:03:00	7	0	east	n to s	p.pip	Confirmed	
3	20:11:00	10	0	east	w to e	p.pip	Confirmed	crossed feature
4	20:20:00	N/A	N/A	N/A	N/A	p.pip	Confirmed	social calls
5	20:24:00	N/A	N/A	N/A	N/A	p.pip	Confirmed	social calls
6	20:39:00	N/A	N/A	N/A	N/A	p.pip	Confirmed	not seen
7	20:41:00	N/A	N/A	N/A	N/A	p.pip	Confirmed	not seen
8	20:43:00	N/A	N/A	N/A	N/A	p.pip	Confirmed	not seen
9	20:49:00	N/A	N/A	N/A	N/A	p.pip	Confirmed	not seen

Date:	17/09/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	19:23	Crossing Point Number :	CP16	Start	13	1	no	0
Start time:	19:23	Surveyor position:	West	Middle	12	1	no	0
End time:	20:53	Surveyor name:	LF & CD	End	12	1	no	0
Dusk/Dawn	Dusk	Detector Number:	AW4					

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Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	19:53	20	10	west	east to west	sop pip	Confirmed	2 bats flew along treeline
2	20:11	25	0	west	east to west	sop pip	Confirmed	crossed road east to west
3								
4								
5								
6								
7								
8								

Date:	24/08/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	20:14	Crossing Point Number :	CP16	Start	17	11	no	10
Start time:	20:14	Surveyor position:	NE	Middle	16	11	no	20
End time:	21:44	Surveyor name:	AD	End	16	8	no	10
Dusk/Dawn	Dusk	Detector Number:	Sotton D4					

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Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	20:38	4	0	NE	NW	Common Pipistrelle	Confirmed	brief sighting, came from along hedge
2	21:17	N/A	N/A	N/A	N/A	Bbarbastelle	Confirmed	(35khz) may be P.aur

Date:	24/08/2020	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
sunrise time:	20:14	Crossing Point Number :	CP16	Start	17	4	0	100
Start time:	20:14	Surveyor position:	West	Middle	17	4	0	100
End time:	21:44	Surveyor name:	GG & TW	End	17	4	0	100
Dusk/Dawn	Dusk	Detector Number:	Batlogger D6					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	20:33	N/A	N/A	N/A	N/A	noctule	Confirmed	Bat logger out by ten min shows as 20.23 changed after this
2	20:38	N/A	N/A	N/A	N/A	noctule	Confirmed	Accidentally changed to be an hour behind
3	21:07	N/A	N/A	N/A	N/A	common pipestrelle	Confirmed	
4	21:13	N/A	N/A	N/A	N/A	common pipestrelle	Confirmed	Various passes for the rest of survey
5	21:22	N/A	N/A	N/A	N/A	C.Pip	Amended	Amemded from myotis
6	21:35 (20:35 on analysis)	N/A	N/A	N/A	N/A	myotis	Amended	Amended from C.Pip

Date:	04/08/2020	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	20:52	Crossing Point Number :	CP16	Start	18	3	no	7
Start time:	20:52	Surveyor position:	East	Middle	17	2	no	7
End time:	22:22	Surveyor name:	DL	End	17	2	no	7
Dusk/Dawn	Dusk	Detector Number:	AW3					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21.02	N/A	N/A	N/A	N/A	n.noc	Confirmed	foraging high
2	21.26	N/A	N/A	N/A	N/A	P.pip	Confirmed	didnt cross. Followed hedge north then east
3	21:37	N/A	N/A	N/A	N/A	P.pip	Confirmed	didnt cross. Followed hedge north then east
4	21:40	N/A	N/A	N/A	N/A	P.pip	Confirmed	Not seen
5	21:48	N/A	N/A	N/A	N/A	P.pip	Confirmed	Not seen
6	21:50	N/A	N/A	N/A	N/A	Myotis sp.	Confirmed	Not seen
7	21:51	N/A	N/A	N/A	N/A	B.bar	Confirmed	Not seen
8	21:52	N/A	N/A	N/A	N/A	P.pyg	Confirmed	Not seen
9	21:56	N/A	N/A	N/A	N/A	Myotis sp.	Confirmed	Not seen
10	21:59	N/A	N/A	N/A	N/A	Myotis sp.	Confirmed	Not seen

11	22:09	N/A	N/A	N/A	N/A	P.pip	Confirmed	Not seen
12	22:09	N/A	N/A	N/A	N/A	Myotis sp.	Confirmed	Not seen
13	22:14	N/A	N/A	N/A	N/A	Myotis sp.	Confirmed	Not seen
14	22:14	N/A	N/A	N/A	N/A	P.pip	Confirmed	Not seen
15	22:15	N/A	N/A	N/A	N/A	Myotis sp.	Confirmed	Not seen

Date:	04/08/2020	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	20:52	Crossing Point Number :	CP16	Start	18	3	no	80
Start time:	20:52	Surveyor position:	west	Middle	17	2	no	80
End time:	22:22	Surveyor name:	GG & RW	End	17	2	no	80
Dusk/Dawn	Dusk	Detector Number:	AW2					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:02	N/A	N/A	N/A	N/A	N/A	N.Noc	Not seen
2	21:34	N/A	N/A	N/A	N/A	N/A	P.Pip	Not seen
3	21:39	N/A	N/A	N/A	N/A	N/A	P.Pyg	Not seen
4	21:46	N/A	N/A	N/A	N/A	N/A	Nyctoild	Not seen
5	21:52	N/A	N/A	N/A	N/A	N/A	P.Pyg	Not seen
6	21:59	N/A	N/A	N/A	N/A	N/A	Nyctoild/E.Ser	Not seen
7	22:00	N/A	N/A	N/A	N/A	N/A	P.pyg	Not seen
8	22:06	N/A	N/A	N/A	N/A	N/A	Pip.Sp	Not seen
9	22:14	N/A	N/A	N/A	N/A	N/A	E.Ser	Not seen
10	22:14	N/A	N/A	N/A	N/A	N/A	P.Pip	Not seen

Date:	01/08/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	05:38	Crossing Point Number :	CPS17	Start	12	6	no	0
Start time:	04:08	Surveyor position:	north	Middle	11	6	no	0
End time:	05:38	Surveyor name:	JD	End	11	6	no	0
Dusk/Dawn	Dawn	Detector Number:	AW4					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	04:33	N/A	N/A	N/A	N/A	p.pyg	confirmed	Not seen
2	04:16	N/A	N/A	N/A	N/A	long eared bat	Amended	found in analysis
3	04:38	N/A	N/A	N/A	N/A	p.pip	confirmed	Not seen
4	04:44	7	3	north	e-w	p.pyg	confirmed	Not seen
5	05:02	8	n/a	north	n-s	p.pip	confirmed	crossed feature

Date:	01/08/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	05:37	Crossing Point Number :	CP17	Start	12	1	no	15
Start time:	04:08	Surveyor position:	west	Middle	11	1	no	5
End time:	05:37	Surveyor name:	JDD	End	10	1	no	5
Dusk/Dawn	Dawn	Detector Number:	AW1					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	04:15	N/A	N/A	N/A	N/A	P.pyg	Confirmed	not seen
2	04:25	N/A	N/A	N/A	N/A	Ppip	Confirmed	Found in analysis
3	04:37	N/A	N/A	N/A	N/A	P.pyg	Amended	Not seen. Analysis - Pip social
4	04:38	N/A	N/A	N/A	N/A	Ppip	Amended	not seen
5	04:41	N/A	N/A	N/A	N/A	p.pip	Confirmed	not seen
6	04:52	N/A	N/A	N/A	N/A	p.pip	Confirmed	not seen
7	04:58	N/A	N/A	N/A	N/A	p.pyg	Confirmed	not seen
8	05:02	N/A	N/A	N/A	N/A	P.pip	Not recorded	not seen
9	05:08	8	0	North	south	unknown	Confirmed	flying east along rreeline then crossing south. not picked up on recorder.

10	05:11	N/A	N/A	N/A	N/A	Ppyg	Amended	Found in analysis

Date:	24/06/2020	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	04:58	Crossing Point Number :	CP17	Start	16	10	no	0
Start time:	03:28	Surveyor position:	North	Middle	15	9	no	0
End time:	04:58	Surveyor name:	KG	End	15	9	no	0
Dusk/Dawn	Dawn	Detector Number:	AW3	Clear skies, cool, light breeze				

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	03:38:00	N/A	N/A	N/A	N/A	Noctule	Not Recorded	brief, quiet
2	03:44:00	N/A	N/A	N/A	N/A	Soprano pipistrelle	Confirmed	
3	03:45:00	N/A	N/A	N/A	N/A	Myotis sp.	Confirmed	
4	03:47:00	N/A	N/A	N/A	N/A	Soprano pipistrelle	Amended	Added during analysis.
5	03:49:00	N/A	N/A	N/A	N/A	Common pipistrelle	Confirmed	Continues to 3:50.
6	03:53:00	N/A	N/A	N/A	N/A	Common pipistrelle	Confirmed	
7	03:56:00	N/A	N/A	N/A	N/A	Common pipistrelle	Confirmed	
8	03:59:00	N/A	N/A	N/A	N/A	Common pipistrelle	Confirmed	
9	04:29:00	N/A	4	N	W	Noctule	Confirmed	Foraging

Date:	24/06/2020	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	04:58	Crossing Point Number :	CP17	Start	15	10	no	0
Start time:	03:28	Surveyor position:	North	Middle	15	9	no	0
End time:	04:58	Surveyor name:	TJ	End	15	9	no	0
Dusk/Dawn	Dawn	Detector Number:	AW2					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	03:36:00	N/A	N/A	N/A	N/A	P.pip	Confirmed	
2	03:38:00	N/A	N/A	N/A	N/A	N.noc	Confirmed	
3	03:39:00	N/A	N/A	N/A	N/A	P.pip	Confirmed	
4	03:44:00	N/A	N/A	N/A	N/A	P.pip	Confirmed	
5	03:48:00	N/A	N/A	N/A	N/A	P.pip	Confirmed	
6	03:54:00	N/A	N/A	N/A	N/A	P.pip	Confirmed	
7	03:54:00	N/A	N/A	N/A	N/A	P.pyg	Amended	Added during analysis.
8	03:55:00	N/A	N/A	N/A	N/A	M.sp.	Confirmed	
9	03:56:00	N/A	2	N	SW	P.pip	Confirmed	Foraging

10	03:59:00	N/A	N/A	N/A	N/A	P.pip	Confirmed	Continues to 4:01.
11	04:07:00	N/A	N/A	N/A	N/A	P.pip	Confirmed	
12	04:19:00	N/A	N/A	N/A	N/A	N.noc	Confirmed	
13	04:25:00	N/A	N/A	N/A	N/A	P.pip	Amended	Added during analysis.
14	04:25:00	N/A	N/A	N/A	N/A	P.pyg	Confirmed	
15	04:25:00	N/A	N/A	N/A	N/A	P.pip	Confirmed	
16	04:30:00	N/A	N/A	N/A	N/A	N.noc	Confirmed	

Date:	02/07/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:30	Crossing Point Number :	CP17	Start	18	6	no	15
Start time:	21:35	Surveyor position:	north	Middle	17	6	no	10
End time:	23:00	Surveyor name:	JD	End	17	4	no	0
Dusk/Dawn	Dusk	Detector Number:	echo meter					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:47	8	n/a	north	s to n	p.pipx2	not recorded	crossing feature possible roost nearby back tracking survey required
2	21:50	8	n/a	north	s to n	p.pipx2	confirmed	crossing feature possible roost nearby back tracking survey required
3	21:59	7	1	south	e to w	unkown	not recorded	
4	22:04	12	10	north	w to e	p.pyg	confirmed	
5	22:27	6	1	south	e to w	unkown	confirmed	
6	22:35	10	n/a	north	s to n	p.pip	not recorded	crossing feature

7	22:47	8	n/a	north	n to s	long eared bat	changed from long eared to myotis sp to not recorded see screenshot in folder	crossing feature

Date:	02/07/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:30	Crossing Point Number :	CP17	Start	16	6	no	0
Start time:	21:35	Surveyor position:	North	Middle	15	6	no	0
End time:	23:00	Surveyor name:	TJ	End	15	6	no	0
Dusk/Dawn	Dusk	Detector Number:	AW1					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:38	N/A	N/A	N/A	N/A	P.pip	Confirmed	Not seen
2	21:39	N/A	N/A	N/A	N/A	P.pip	Amended	Not seen
3	21:48	N/A	N/A	N/A	N/A	P.pip, noc	Found in analysis	Not seen
4	21:54	N/A	N/A	N/A	N/A	P.pip	Confirmed	Not seen
5	22:37	N/A	N/A	N/A	N/A	P.pip	Confirmed	Not seen
6	22:43	N/A	N/A	N/A	N/A	noc	Confirmed	Not seen
7	22:57	N/A	N/A	N/A	N/A	P.pip	Found in analysis	Not seen

Date:	05/09/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	19:49	Crossing Point Number :	20	Start	13	1	no	0
Start time:	19:52	Surveyor position:	North	Middle	13	1	no	0
End time:	21:19	Surveyor name:	JW	End	12	1	no	0
Dusk/Dawn	Dusk	Detector Number:	AW4					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	20:09	n/a	n/a	n/a	n/a	Common Pipistrelle	Confirmed	Not seen
2	20:09	n/a	n/a	n/a	n/a	Noctule	Not recorded	Not seen
3	20:10	5	2	E	N to S	Soprano Pipistrelle	Confirmed	Flying low along hedgeline
4	20:10	n/a	n/a	n/a	n/a	Common Pipistrelle	Confirmed	
5	20:10	25	20	E	W to E	Noctule	Confirmed	Flew E over hedge, before circling around field and heading N
6	20:11	n/a	n/a	n/a	n/a	Common Pipistrelle	Confirmed	
7	20:12	n/a	n/a	n/a	n/a	Common Pipistrelle	Confirmed	
8	20:12	25	10	E	E to W	Noctule	Confirmed	High overhead, possibly same individual as above
9	20:13	n/a	n/a	n/a	n/a	Common Pipistrelle	Confirmed	
10	20:14	n/a	n/a	n/a	n/a	Soprano Pipistrelle	Confirmed	Foraging until 2017, not seen. Some social calls

11	20:16	n/a	n/a	n/a	n/a	Common Pipistrelle	Added from analysis	
12	20:18	n/a	n/a	n/a	n/a	Common Pipistrelle	Confirmed	
13	20:19	n/a	n/a	n/a	n/a	Soprano Pipistrelle	Confirmed	
14	20:21	n/a	n/a	n/a	n/a	Soprano Pipistrelle	Confirmed	
15	20:22	n/a	n/a	n/a	n/a	Soprano Pipistrelle	Confirmed	
16	20:23	5	2	E	N to S	Soprano Pipistrelle	Confirmed	Following hedgeline before flying W through hedge
17	20:24	n/a	n/a	n/a	n/a	Soprano Pipistrelle	Confirmed	
18	20:28	n/a	n/a	n/a	n/a	Common Pipistrelle	Confirmed	Two passes
19	20:30	n/a	n/a	n/a	n/a	Common Pipistrelle	Confirmed	
20	20:32	n/a	n/a	n/a	n/a	Myotis spp.	Added from analysis	
21	20:32	n/a	n/a	n/a	n/a	Soprano Pipistrelle	Added from analysis	
22	20:32	n/a	n/a	n/a	n/a	Common Pipistrelle	Confirmed	
23	20:33	n/a	n/a	n/a	n/a	Common Pipistrelle	Confirmed	
24	20:34	n/a	n/a	n/a	n/a	Common Pipistrelle	Confirmed	
25	20:36	8	3	E	N to S	Common Pipistrelle	Confirmed	
26	20:37	n/a	n/a	n/a	n/a	Soprano Pipistrelle	Added from analysis	Brief pass

27	20:39	n/a	n/a	n/a	n/a	Common Pipistrelle	Confirmed	
28	20:40	n/a	n/a	n/a	n/a	Common Pipistrelle	Confirmed	Two passes
29	20:43	n/a	n/a	n/a	n/a	Common Pipistrelle	Confirmed	Foraging
30	20:53	n/a	n/a	n/a	n/a	Common Pipistrelle	Confirmed	
31	20:55	n/a	n/a	n/a	n/a	Nyctalus spp.	Added from analysis	
32	20:55	n/a	n/a	n/a	n	Noctule	Confirmed	
33	20:56	n/a	n/a	n/a	n/a	Common Pipistrelle	Confirmed	
34	21:03	n/a	n/a	n/a	n/a	Soprano Pipistrelle	Added from analysis	
35	21:07	n/a	n/a	n/a	n/a	Common Pipistrelle	Confirmed	
36	21:11	n/a	n/a	n/a	n/a	Soprano Pipistrelle	Confirmed	Socialising
37	21:13	n/a	n/a	n/a	n/a	Soprano Pipistrelle	Confirmed	Socialising
38	21:15	n/a	n/a	n/a	n/a	Noctule	Confirmed	
39	21:15	n/a	n/a	n/a	n/a	Soprano Pipistrelle	Confirmed	Pass at 2116 as well

Date:	05/09/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	19:49	Crossing Point Number :	CP17	Start	13	1	no	0
Start time:	19:50	Surveyor position:		Middle	13	1	no	0
End time:	21:19	Surveyor name:	KS	End	12	1	no	0
Dusk/Dawn	Dusk	Detector Number:	AW6					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	20:11	10	6	E	N	Noctule	Amended	Seen
2	20:16	7	3	E	E	Soprano pipistr	Amended	
3	20:19	5	2	E	E	Soprano pipistr	Amended	
4	20:20	n/a	n/a	n/a	n/a	Common pipist	Amended	Not seen
5	20:21	n/a	n/a	n/a	n/a	Soprano pipistr	Amended	Not seen
6	20:22	5	2	E	SW	Soprano pipistr	Amended	
7	20:24	n/a	n/a	n/a	n/a	Soprano pipistr	Amended	Not seen
8	20:29	5	2	E	E	Common pipist	Amended	
9	20:32	5	2	E	E	Myotis spp.	Amended	
10	20:33	5	2	E	N to S	Soprano pipistr	Amended	

11	20:34	5	2	E	E	Common pipist	Amended	
12	20:39	n/a	n/a	n/a	n/a	Common pipist	Amended	Not seen
13	20:43	10	7	E	NW	Plecotus spp.	Amended	
14	20:44	n/a	n/a	n/a	n/a	Pipistrelle spp.	Amended	Not seen
15	20:46	n/a	n/a	n/a	n/a	Common pipist	Amended	Not seen
16	20:50	5	2	E	W	Common pipist	Amended	
17	20:55	n/a	n/a	n/a	n/a	Common pipist	Amended	Not seen
18	21:01	n/a	n/a	n/a	n/a	Common pipist	Amended	Not seen
19	21:06	n/a	n/a	n/a	n/a	pipistrelle and social calls	Amended	Not seen
20	21:11	n/a	n/a	n/a	n/a	pipistrelle and social calls	Amended	Not seen
21	21:13	n/a	n/a	n/a	n/a	pipistrelle and social calls	Amended	Not seen
22	21:15	n/a	n/a	n/a	n/a	Noctule and Plecotus spp.	Amended	Not seen
23	21:18	n/a	n/a	n/a	n/a	pipistrelle and social calls	Amended	Not seen

Date:	20/06/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:30	Crossing Point Number :	CP17	Start	13	3	no	20
Start time:	21:26	Surveyor position:		Middle	13	3	no	10
End time:	23:00	Surveyor name:	CD	End	13	2	no	10
Dusk/Dawn	Dusk	Detector Number:	AW2	detector time is real time minus 1 hour				

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:48	3m over field level	1m	north	north	Ppyg	Amended	Possible emergence form tree within CP
2	21:52	N/A	N/A	N/A	N/A	Ppyg	Amended	Found in analysis
3	21:54	2m over field level	0 m	north	east	Ppip	Amended	
4	21:58	15m in mature trees adjacent to road	10m	west	N/A	Ppyg	Amended	Foraging in treeline
5	22:10	cross feature 3m off ground	om	north flying southeast	south east	long eared	Confirmed	
6	22:23	N/A	N/A	N/A	N/A	Ppip	Confirmed	Not seen
7	22:27	N/A	N/A	N/A	N/A	N.noc	Confirmed	Not seen
8	22:35	1.5	0	crossed south to north	north	Ppyg	Amended	adjacent right at my position and
9	22:36	5	0m	crossed south to north	north	Ppip	Amended	line between the 2 surveyors.

10	22:38	N/A	N/A	N/A	N/A	Ppip	Amended	not seen
11	22:39	N/A	N/A	N/A	N/A	B.bar	Amended	Found in analysis
12	22:41	4	1	north	west to east	P.pip	Confirmed	commuting
13	22:43	4	0	north	N/A	P.pip	Confirmed	frequent foraging directly overhead head using treeline at field edge
14	22:44	3	3	nortg	north to south then ba	P.pip	Confirmed	foraging crossing feature behind surveyor
15	22:46	N/A	N/A	N/A	N/A	P.pip	Confirmed	unseen cp passes
16	22:50	N/A	N/A	N/A	N/A	myotis	Not recorded	unseen pass but close and quick as if commuting along treeline. direction unknown
17	22:52	3	4	north	N/A	P.pip	Confirmed	Did not cross feature
18	22:54	2 to 4	0 to 4	north	N/A	Ppip	Confirmed	2 pips foraging on treeline. social calling. directly using the feature

19	22:54 to 23:00	N/A	N/A	N/A	N/A	Ppip	Confirmed	continuous pip foraging until survey ends as above. Using tree line and long grass directly adjacent

Date:	20/06/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:30	Crossing Point Number :	CP17	Start	13	0	0	30
Start time:	21:30	Surveyor position:		Middle	13	0	0	20
End time:	11:30	Surveyor name:	NB	End	13	0	0	20
Dusk/Dawn	Dusk	Detector Number:	AW2	walkabout was 1 hr slow				

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:47	N/A	N/A	N/A	N/A	Ppyg	Amended	Found in analysis
2	21:49	4	2	W	N-S	Ppyg	Amended	
3	21:50	4	2	W	N-S	Ppip	Amended	
4	21:55	4	2	W	S-N	Ppyg	Amended	
5	21:56	4	2	W	S-N	Ppyg	Amended	
6	21:57	4	3	W	W-E	Ppyg	Amended	
7	22:09	N/A	N/A	N/A	N/A	Myotis	Confirmed	Not seen
8	22:18	N/A	N/A	N/A	N/A	Ppip	Confirmed	Found in analysis
9	22:28	6	4	W	S-N	Myotis	Confirmed	
10	22:35	5	3	W	S-N	Common Pip	Confirmed	Until end of survey, constant

11	22:40	N/A	N/A	N/A	N/A	Ppyg	Amended	Found in analysis
12	22:44	N/A	N/A	N/A	N/A	Ppyg	Amended	Found in analysis
13	22:49	N/A	N/A	N/A	N/A	Myotis	Amended	Found in analysis

Date:	27/05/2020	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:12	Crossing Point Number :	SP17	Start	15	0	0	0
Start time:	21:12	Surveyor position:	ST 34023 15711	Middle	13	0	0	0
End time:	22:42	Surveyor name:	JW	End	11	0	0	0
Dusk/Dawn	Dusk	Detector Number:	AW3					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	20:57	20	30	E		Big bat	N/A	Foraging in field before survey start
2	21:23	20	30	E		Big bat	N/A	Foraging around large trees in middle of field, too far for recording. Origin unknown, present for over 5 mins
3	21:28	20	30	E	W-E	Big bat	N/A	Second big bat in same location as above, crossed from W towards the road. Foraging simultaneously
4	21:31	25	100	E	W-E	Big bat	N/A	Third bat foraging simultaneously in similar position. Moved E towards far hedgerow and wood.
5	21:44					Pip spp	Pip spp	Not seen
6	21:49	15	0	E	E-W	Big bat	Noctule	Seen crossing hedgerow, flying towards road
7	21:51	N/A	N/A	N/A	N/A	Big bat	Noctule	Not seen
8	21:58	N/A	N/A	N/A	N/A	Myotis	Myotis	Not seen

9	22:00	N/A	N/A	N/A	N/A	Pip spp	Pip spp	Not seen
10	22:03	N/A	N/A	N/A	N/A	Big bat	Noctule	Not seen
11	22:03	N/A	N/A	N/A	N/A		Serotine	Not seen
12	22:07	N/A	N/A	N/A	N/A	Myotis	Serotine	Not seen
13	22:18	N/A	N/A	N/A	N/A	Serotine	Serotine	Not seen
14	22:24	N/A	N/A	N/A	N/A	Serotine	Serotine	Not seen
15	22:24	N/A	N/A	N/A	N/A	Common Pip	Common Pip	Not seen
16	22:24	N/A	N/A	N/A	N/A		Nyctalus spp.	Not seen
17	22:28	N/A	N/A	N/A	N/A	Myotis	Myotis	Not seen
18	22:30	N/A	N/A	N/A	N/A	Common Pip	Common Pip	Not seen
19	22:31	N/A	N/A	N/A	N/A	Common Pip	Common Pip	Not seen
20	22:33	N/A	N/A	N/A	N/A	Soprano Pip	Soprano Pip	Not seen
21	22:40	N/A	N/A	N/A	N/A	Soprano Pip	Soprano Pip	Not seen

Date:	27/05/2020	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:12	Crossing Point Number :	CP17	Start	18	1	0	5
Start time:	21:12	Surveyor position:	East	Middle	16	1	0	5
End time:	22:42	Surveyor name:	RW	End	16	1	0	5
Dusk/Dawn	Dusk	Detector Number:	AW5					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID (DL 28072020)	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:22-23	4m	0	n	s	soprano	P.pyg	flew over hr in south direction
2	21:23	20+m	20+m	north	N/A	noctule	P.pyg	
3	21:23	N/A	N/A	N/A	N/A	noctule	N.noc	north of hedge row continuously until 21:36
4	21:35	N/A	N/A	N/A	N/A	common Pipistrelle	P.pip	Not seen
5	21:39	20+m	20+m	north	N/A	noctule	N.noc	probably same bat as above
6	21:44	5	0	north	unknown	common Pipistrelle	P.pyg	north of hr but didnt see where it went
7	21:49	20+m	20+m	N/A	northwest to s	noctule	N.noc	
8	21:51	20+m	20+m	north	east to west	noctule	N.noc	
9	21:52	N/A	N/A	N/A	N/A	possible serotine	Plec. Sp.	Not seen
10	22:02	4	3	north	West to east	common Pipistrelle	P.pip	flew along side hr

11	22:03	N/A	N/A	N/A	N/A	noctule	N.noc	Not seen
12	22:05	N/A	N/A	N/A	N/A	common Pipistrelle	P.pip	brief. same again at 22:06
13	22:08	N/A	N/A	N/A	N/A	soprano	P.pyg	brief call
14	22:12	N/A	N/A	N/A	N/A	common Pipistrelle	P.pip	Not seen
15	22:12	N/A	N/A	N/A	N/A	serotine	P.pip	Not seen
16	22:24	N/A	N/A	N/A	N/A	noctule	N.noc	Not seen
17	22:25	N/A	N/A	N/A	N/A	N/A	B.bar	Added in analysis
18	22:28	N/A	N/A	N/A	N/A	common Pipistrelle	P.pip & Myotis	Not seen
19	22:30	N/A	N/A	N/A	N/A	soprano	P.pyg	Not seen
20	22:34	N/A	N/A	N/A	N/A	N/A	P.pip	Added in analysis

Date:	01/08/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	05:36	Crossing Point Number :	18	Start	12	3	no	0
Start time:	04:06	Surveyor position:	SE	Middle	12	3	no	0
End time:	05:36	Surveyor name:	BC	End	12	3	no	0
Dusk/Dawn	Dawn	Detector Number:	AW3					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	04:27	N/A	N/A	N/A	N/A	Myotis	Confirmed	Not seen
2	04:42	N/A	N/A	N/A	N/A	common pip	Confirmed	Not seen
3	04:46	N/A	N/A	N/A	N/A	Myotis	Not recorded	Not seen
4	04:48	N/A	N/A	N/A	N/A	common pip	Confirmed	Not seen
5	05:00	N/A	N/A	N/A	N/A	common pip	Confirmed	Not seen

Date:	05/08/2019	Scheme:	A358		Temp (°C)	3	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	05:36	Crossing Point Number :	CP18	Start	13	3	no	0
Start time:	04:06	Surveyor position:	NW	Middle	13	3	no	0
End time:	05:36	Surveyor name:	GG	End	13	3	no	0
Dusk/Dawn	Dawn	Detector Number:	D6	chilly start to the day				

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	04:04:00	N/A	N/A	N/A	N/A	Pipistrelle sp.	Confirmed	Foraging
2	04:22:00	N/A	N/A	N/A	N/A	Soprano pipistrelle	Confirmed	
3	04:23:00	N/A	N/A	N/A	N/A	Long-eared bat	Found in Analysis	
4	04:23:00	N/A	N/A	N/A	N/A	Myotis sp.	Found in Analysis	
5	04:30:00	N/A	N/A	N/A	N/A	Soprano pipistrelle	Confirmed	Foraging
6	04:41:00	N/A	N/A	N/A	N/A	Pipistrelle sp.	Confirmed	
7	04:46:00	N/A	N/A	N/A	N/A	Pipistrelle sp.	Confirmed	
8	04:59:00	N/A	N/A	N/A	N/A	Pipistrelle sp.	Confirmed	
9	05:07:00	N/A	N/A	N/A	N/A	Pipistrelle sp.	Amended	

10	05:13:00	N/A	N/A	N/A	N/A	Pipistrelle sp.	Confirmed	Re-entered tree nearby

Date:	30/07/2020	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	05:29	Crossing Point Number :	CP18	Start	13	2	no	0
Start time:	03:59	Surveyor position:	West	Middle	12	1	no	0
End time:	05:29	Surveyor name:	NB	End	12	1	no	0
Dusk/Dawn	Dawn	Detector Number:	D4					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	03:54	NS	NS	NS	NS	Myotis sp.	Found in analysis	Added.
2	03:55	10M	0		E-W	serotine	Confirmed	seen flying over crossing point
3	04:41	N/A	N/A	N/A	N/A	soprano pipistrelle	Confirmed	not seen
4	04:46	6M	0		E-W	unknown	Not recorded	not sure if the detector picked it up

Date:	30/07/2020	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	05:29	Crossing Point Number :	CP18	Start	13	2	no	0
Start time:	03:59	Surveyor position:	East	Middle	12	1	no	0
End time:	05:29	Surveyor name:	RW	End	12	1	no	0
Dusk/Dawn	Dawn	Detector Number:	AW2					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	04:25	NS				Soprano pip	Identified in analysis	Amended
2	04:43	NS				Soprano pip	Identified in analysis	Amended
3	04:56	not seen				Noctule	Constant activity 4:55-4:56	Confirmed

Date:	02/07/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:30	Crossing Point Number :	CP18	Start	16	2	no	10
Start time:	21:30	Surveyor position:	West	Middle	15	2	no	10
End time:	23:00	Surveyor name:	BC	End	14	2	no	10
Dusk/Dawn	Dusk	Detector Number:	AW3	Raw data not saved				

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	22:18	N/A	N/A	N/A	N/A	Common pip	Not recorded	very faint
2	22:25	N/A	N/A	N/A	N/A	Sap pip	Not recorded	faint
3	22:29	N/A	N/A	N/A	N/A	Common pip	Not recorded	
4	22:32	5	5	west	east	serotine	Not recorded	flying towards feature
5	22:33	N/A	N/A	N/A	N/A	Common pip	Not recorded	
6	22:34	5	5	west	east	serotine	Not recorded	
7	22:36	N/A	N/A	N/A	N/A	serotine	Not recorded	
8	22:37	3	20	west	south	serotine	Not recorded	
9	22:43	4	20	west	south	serotine	Not recorded	constant
10	22:52	N/A	N/A	N/A	N/A	Common pip	Not recorded	

Date:	02/07/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:30	Crossing Point Number :	CP18	Start	16	2	no	20
Start time:	21:30	Surveyor position:	North	Middle	16	2	no	10
End time:	23:00	Surveyor name:	JDD	End	15	2	no	5
Dusk/Dawn	Dusk	Detector Number:	D4	bat logger time one hour ahead				

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	22:01	N/A	N/A	N/A	N/A	P.pip	confirmed	not seen
2	22:14	N/A	N/A	N/A	N/A	P.pip	Ammended to P.pip from P.pyg	not seen
3	22:16	N/A	N/A	N/A	N/A	N.noc	confirmed	Not seen
4	22:21	N/A	N/A	N/A	N/A	P.pyg	confirmed	Not seen
5	22:26	N/A	N/A	N/A	N/A	P.pyg	confirmed	Not Seen
6	22:28	N/A	N/A	N/A	N/A	P.pip	confirmed	Not seen
7	22:32	N/A	N/A	N/A	N/A	unknown 26khz	Noise	Not seen
8	22:36	4	8	East	N-S	E.ser	confirmed	flying South down treeline then turned to travel back North along it

9	22:39	N/A	N/A	N/A	N/A	P.pip	confirmed	Not seen, likely foraging over stream hidden by hedge
10	22:42	N/A	N/A	N/A	N/A	P.pyg	confirmed	Not seen
11	22:43	4	8	East	N-S	E.ser	confirmed	Flying same path as before, foraging.
12	22:48	N/A	N/A	N/A	N/A	E.ser	confirmed	not seen

Date:	05/09/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	19:49	Crossing Point Number :	18	Start	15	14	no	5
Start time:	19:49	Surveyor position:	South	Middle	14	14	no	5
End time:	21:19	Surveyor name:	JD	End	13	14	no	5
Dusk/Dawn	Dusk	Detector Number:	AW1					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	20:04:00	3	5	west	n/a	p.pyg	Not recorded	
2	20:05:00	3	5	west	n/a	p.pyg	Not recorded	
3	20:13:00	3 to 5	3 to 5	west	n/a	p.pyg	Not recorded	
3	20:14:00	1 to 2	5	west	n/a	p.pyg	Not recorded	
4	20:16:00	3	5	west	n/a	p.pyg	Not recorded	
5	20:19:00	3	20	west	n/a	p.pyg	Not recorded	
6	20:21:00	n/a	n/a	n/a	n/a	p.pyg	Not recorded	not seen
7	20:26:00	n/a	n/a	n/a	n/a	p.pyg	Not recorded	not seen
8	20:47:00	5	15	west	n/a	p.pyg	Not recorded	
9	20:58:00	n/a	n/a	n/a	n/a	p.pyg	Not recorded	

Date:	05/09/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	19:49	Crossing Point Number :	CP18	Start	14	14	no	5
Start time:	19:49	Surveyor position:	North	Middle	14	14	no	5
End time:	21:19	Surveyor name:	SC	End	14	14	no	5
Dusk/Dawn	Dusk	Detector Number:	AW2					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	20:58	N/A	N/A	N/A	N/A	P.pyg	Amended	Not seen
2	20:59	N/A	N/A	N/A	N/A	P.pyg	Amended	found in analysis
3	21:01	N/A	N/A	N/A	N/A	Myotis sp.	Amended	found in analysis
4	21:01	N/A	N/A	N/A	N/A	P.aur	Amended	found in analysis
5	21:03	N/A	N/A	N/A	N/A	P.pyg	Amended	found in analysis
6	21:05	N/A	N/A	N/A	N/A	E.ser	Amended	found in analysis
7	21:12	N/A	N/A	N/A	N/A	P.aur	Amended	found in analysis
8	21:16	N/A	N/A	N/A	N/A	N.noc	Amended	Not seen
9	21:18	N/A	N/A	N/A	N/A	P.aur	Amended	Not seen

Date:	16/06/2020	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
sunrise time:	21.28	Crossing Point Number :	CP18	Start	15	3	no	75
Start time:	21.28	Surveyor position:	(adjacent to road)	Middle	15	5	no	75
End time:	22.58	Surveyor name:	DL	End	13	5	no	50
Dusk/Dawn	Dusk	Detector Number:	AW3					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:48 - 21:49	N/A	0	N	N	P.pyg	Confirmed	Appeared to follow stream and fly out from under bridge. Then foraged (with few calls) in corner of the field and in woodland.
2	22:00 - 22:01	N/A	0	N	S	P.pip	Confirmed	Appeared to fly into woodland and under bridge.
3	22:04 - 22:06	N/A	N/A	N/A	N/A	P.pyg	Confirmed	Foraging in corner of field, following woodland and hedgerows
4	22:08	N/A	N/A	N/A	N/A	E.ser	Confirmed	Not seen
5	22:24	N/A	N/A	N/A	N/A	Myotis	Confirmed	Foraging in corner of field, following woodland and hedgerows
6	22:26	N/A	N/A	N/A	N/A	P.pyg	Confirmed	Not seen
7	22:27	N/A	N/A	N/A	N/A	Myotis	Confirmed	Not seen
8	22:30	6	1	N	S	E.ser	Confirmed	Crossed over road
9	22:33	N/A	N/A	N/A	N/A	Myotis	Confirmed	Not seen

10	22:34 - 22:35	N/A	N/A	N/A	N/A	E.ser	Confirmed	Commuting, flew south along wood then west along hedge (road). Didn't cross road
11	22:35	N/A	N/A	N/A	N/A	P.pyg	Confirmed	Not seen
12	22:35	N/A	N/A	N/A	N/A	P.pyg	Amended	Added during analysis.
13	22:39 - 22:40	10	0	N	S	E.ser	Confirmed	Crossed road, high above trees
14	22:49	8	0	N	S	E.ser	Confirmed	Likely crossed but could have flown eastwards over woodland
15	22:51	N/A	N/A	N/A	N/A	E.ser	Confirmed	Commuting along hedge westwards
16	22:52	N/A	N/A	N/A	N/A	P.pyg	Amended	Added during analysis.

Date:	25/06/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:29	Crossing Point Number :	18	Start	19	1	light	8
Start time:	21:29	Surveyor position:		Middle	18	1	no	8
End time:	22:59	Surveyor name:	BC	End	17	1	no	8
Dusk/Dawn	Dusk	Detector Number:	AW5					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:29					common pip	Confimed	not seen
2	21:39	10	0	West	east	common pip	Confimed	seen
3	21:49					common pip	Confimed	not seen - possible C.pip call at 21:48 as well but to brief to confirm
4	21:59	5	0	west	west	common pip	Confimed	seen flying away from feature
5	22:05	5	0	west	west	common pip	Confimed	from feature and back towards
6	22:07					Pip nat	Amended	

7	20:40	5	10	west	west	common pip	**The time recorded is before the start of the survey**	seen flying away from feature

Date:	25/06/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:31	Crossing Point Number :	CP18	Start	18	3	light	90
Start time:	21:31	Surveyor position:		Middle	17	3	no	90
End time:	23:01	Surveyor name:	JDD	End	17	3	no	90
Dusk/Dawn	Dusk	Detector Number:	no recorder					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:48	N/A	N/A	N/A	N/A	p. pip	not recorded	not seen
2	22:00	N/A	N/A	N/A	N/A	p.pip	not recorded	not seen
3	22:06	2	4		north south	p.pip	not recorded	commuting along forest edge up and down.
4	22:20	N/A	N/A	N/A	N/A	p.pip	not recorded	foraging. not seen.

Date:	14/08/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	20:40	Crossing Point Number :	22	Start	12	0	no	100
Start time:	20:40	Surveyor position:	West	Middle	12	0	no	100
End time:	22:10	Surveyor name:	CD	End	12	0	no	100
Dusk/Dawn	Dawn	Detector Number:	AW5					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
no bats recorded in field								

Date:	13/10/2020	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	18:23	Crossing Point Number :	CP19	Start	10	4	no	0
Start time:	18:23	Surveyor position:		Middle	9	4	no	0
End time:	20:53	Surveyor name:	GG	End	9	4	no	0
Dusk/Dawn	Dusk	Detector Number:	D4					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	18:42:00	N/A	N/A	N/A	W	Pipistrelle sp.	Not recorded	
2	18:56:00	N/A	N/A	N/A		Pipistrelle sp.	Not recorded	
3	18:56:00	N/A	N/A	N/A	W	Unknown	Not recorded	
4	19:04:00	N/A	N/A	N/A	E	Pipistrelle sp.	Not recorded	
5	19:11:00	N/A	N/A	N/A	E	Unknown	Not recorded	towards the road but looks to turn north and follow road parallel rather than cross it
6	19:37:00	N/A	N/A	N/A	N/A	Unknown	Not recorded	various passes but none seen

Date:	14/08/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	20:35	Crossing Point Number :	19	Start	18	18	no	100
Start time:	20:35	Surveyor position:	East	Middle	18	12	no	100
End time:	22:05	Surveyor name:	BC	End	17	20	light	100
Dusk/Dawn	Dusk	Detector Number:	AW3					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	20:59	4	10	east	north	common pip	Confirmed	
2	21:12	N/A	N/A	N/A	N/A	saprano	Confirmed	Not seen
3	21:13	N/A	N/A	N/A	N/A	serotine	Confirmed	Not seen
4	21:18	6	0	east	east	serotine	Confirmed	
5	21:31	N/A	N/A	N/A	N/A	common pip	Confirmed	Not seen
6	21:32	6	0	east	east	serotine	Confirmed	
7	21:33	N/A	N/A	N/A	N/A	common pip	Confirmed	Not seen
8	21:42	N/A	N/A	N/A	N/A	noctule	Not recorded	Not seen
9	21:46	N/A	N/A	N/A	N/A	common pip	Confirmed	Not seen
10	22:03	N/A	N/A	N/A	N/A	serotine	Confirmed	Not seen

Date:	14/08/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	20:35	Crossing Point Number :	19	Start	18	18	no	100
Start time:	20:35	Surveyor position:	east	Middle	18	12	no	100
End time:	22:05	Surveyor name:	JD	End	17	20	light	100
Dusk/Dawn	Dusk	Detector Number:	AW4	analysis completed				

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	20:59	4	10	east	north	p.pip	confirmed	
2	21:12	N/A	N/A	N/A	N/A	p.pyg	confirmed	not seen two passes
3	21:13	N/A	N/A	N/A	N/A	e.ser	confirmed	not seen
4	21:18	6	0	east	east	e.ser	confirmed	crossed road over bridge
5	21:31	N/A	N/A	N/A	N/A	p.pip	confirmed	not seen
6	21:32	6	0	east	east	e.ser	confirmed	crossed road over bridge
7	21:42	N/A	N/A	N/A	N/A	e.ser	confirmed	not seen
8	21:59	N/A	N/A	N/A	N/A	n.noc	not recorded	not seen

Date:	16/07/2020	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:17	Crossing Point Number :	19	Start	19	9	no	50
Start time:	21:17	Surveyor position:	east	Middle	16	10	no	50
End time:	22:37	Surveyor name:	JD MK	End	16	10	no	50
Dusk/Dawn	Dusk	Detector Number:	AW3	high number of flying insects.				

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:33	40	crossed	e	nw	n.noc	confirmed	commuting
2	21:55	40	0	e	e-w-e	n.noc	confirmed	commuting
3	22:19	7	20	e	se	p.pip	confirmed	commuting
	22:20					e.ser	confirmed	not seen
3	22:25	3	0	e	se	p.pip	confirmed	commuting
4	22:29	5	30	e	n	p.pip	confirmed	commuting
5	22:31	10	crossed	e	w	p.pyg	confirmed	commuting
6	22:32	3	0	e	w	p.pip	amended	changed from soprano pipistrelle to common pipistrelle during sound analysis

7	22:43	5	10	e	e-w-e	myotis sp	confirmed	went to cross the road and then return due to lorry

Date:	04/09/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	19:52	Crossing Point Number :	20	Start	14	3	no	10
Start time:	19:52	Surveyor position:	330025, 118739	Middle	13	5	no	0
End time:	21:22	Surveyor name:	JW	End	13	3	no	10
Dusk/Dawn	Dusk	Detector Number:	AW4					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:14	n/a	n/a	n/a	n/a	Nyctalus spp.	Confirmed	Not seen, brief pass
2	21:15	n/a	n/a	n/a	n/a	Common Pipistrelle	Confirmed	Not seen, brief pass

Date:	21/07/2020	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	05:24	Crossing Point Number :	CP20	Start	11	4	no	0
Start time:	03:54	Surveyor position:		Middle	11	3	no	0
End time:	05:24	Surveyor name:	TJ and TW	End	10	3	no	0
Dusk/Dawn	Dawn	Detector Number:	AW4					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	03:35					Common Pipistrelle	Confirmed	Not Seen

Date:	21/07/2020	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	03:53	Crossing Point Number :	CP20	Start	11	4	no	0
Start time:	03:53	Surveyor position:		Middle	11	3	no	0
End time:	05:23	Surveyor name:	TW	End	10	3	no	0
Dusk/Dawn	Dawn	Detector Number:	AW6					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
F001	04:34	N/A	N/A	N/A	N/A	common pip	No sound file	Not seen. No bat calls during

Date:	03/07/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:29	Crossing Point Number :	20	Start	19	4	no	0
Start time:	21:29	Surveyor position:	north of hedge	Middle	17	5	no	0
End time:	22:59	Surveyor name:	JD	End	16	6	no	0
Dusk/Dawn	dusk	Detector Number:	echo meter touch					

04/07/2019 analysis completed by JD

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:59	4	4	north	e to w	p.pip	confirmed	
2	22:00	6	5	south	w to e	p.pip	not recorded	
3	22:04	6	5	south	e to w	p.pip	confirmed	
4	22:07	3	1	north	n to se	p.pip	confirmed	crossing gap in hedge
5	22:09	6	8	south	e to w	p.pip	confirmed	
6	22:10	7	10	south	e to w to e to	p.pip	confirmed	approxmatley 30 passes for 5 mins
7	22:18	3	3	north	n to se	p.pipx2	not recorded	crossing gap in hedge
8	22:21	4	3	south	e to w to e to	p.pip	not recorded	
9	22:23	3	1	south	se to nw	p.pip	not recorded	crossing gap in hedge
10	22:29	4	3	north	e to w	p.pip	not recorded	

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
11	22:32	3	6	north	e to nw to se	p.pip	not recorded	crossing gap in hedge
12	22:44	3	2	north	sw to ne	p.pip	confirmed	
13	22:45	4	4	north	e to w	p.pip	confirmed	

Date:	02/06/2020	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)
Sunset / sunrise time:	21:20	Crossing Point Number :	20	Start	18	6	no
Start time:	21:20	Surveyor position:	surveyors covering gap in hedge, looking both directions	Middle	16	5	no
End time:	22:50	Surveyor name:	DL & MA	End	16	3	no
Dusk/Dawn	Dusk	Detector Number:	AW6				

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing		
1	21:44	3	1	S	E	P.pip	Confirmed
2	21:50	N/A	N/A	N/A	N/A	P.pip	Confirmed
3	21:51	~10	N/A	N/A	E	Nyctaloid	Confirmed
4	21:52	N/A	N/A	N/A	N/A	P.pip	Confirmed
5	21:55	N/A	N/A	N/A	N/A	P.pip	Confirmed
6	21:57	2	1	S	W	P.pip	Confirmed
7	21:59	2	1	N	W	P.pip	Confirmed
8	22:07	N/A	N/A	N/A	N/A	P.pip	Confirmed
9	22:09	N/A	N/A	N/A	N/A	Myotis	Confirmed
10	22:12	N/A	N/A	N/A	N/A	Myotis	Confirmed

11	22:13	3	0		SE	P.pip	Confirmed
12	22:14	N/A	N/A	N/A	N/A	N.noc	Amended
13	22:14	N/A	N/A	N/A	N/A	P.pip	Confirmed
14	22:15	N/A	N/A	N/A	N/A	N.noc & Myotis	Confirmed
15	22:16	2	1	N	W	P.pip	Confirmed
16	22:18	N/A	N/A	N/A	N/A	Myotis	Confirmed
17	22:19	2 to 3	1	S	E & W	P.pip x 2	Not Recorded
18	22:20	2	2	N	W	P.pip	Confirmed
19	22:21	1	0	SW to NE	NE	P.pip	Confirmed
20	22:24	N/A	N/A	N/A	N/A	P.pip	Confirmed
21	22:25	N/A	N/A	N/A	N/A	P.pip x 2	Confirmed
22	22:28	N/A	N/A	N/A	N/A	P.pip	Confirmed
23	22:28		4	N	W	P.pyg	Confirmed
24	22:30	N/A	N/A	N/A	N/A	N.lei & P.pip	Amended & Confirmed
25	22:31 - 22:36	N/A	N/A	N/A	N/A	P.pip	Not Recorded
26	22:44	N/A	N/A	N/A	N/A	E.ser	Confirmed

27	22:45	N/A	N/A	N/A	N/A	Myotis	Confirmed
28	22:46	N/A	N/A	N/A	N/A	P.pyg	Confirmed

Cloud cover (%)
0
0
0

Comments
Crossed from W to E on S side of hedge, 3m high
Not seen
Not following hedge, flying very high
not seen
Brief calls, not seen
Quick commuting
Not seen
Not seen
Not seen

Flew through gap from NW to SE
Foraging high, not following hedge until 22:17. E.ser
Not seen
Not seen
Not seen
Multiple crosses of hedge, bot directions. Foraging.
Foraging, flew through gap in hedge
Foraging, not seen
Multiple crosses of hedge, bot directions. Foraging.
Commuting, not seen
Not seen, foraging. E.ser
Lots of foraging, not seen
not seen

not seen
not see

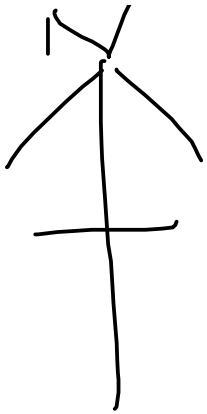
Date:	03/07/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:29	Crossing Point Number :	20	Start	19	4	no	0
Start time:	21:29	Surveyor position:	north of hedge	Middle	17	5	no	0
End time:	22:59	Surveyor name:	JD	End	16	6	no	0
Dusk/Dawn	dusk	Detector Number:	echo meter touch					

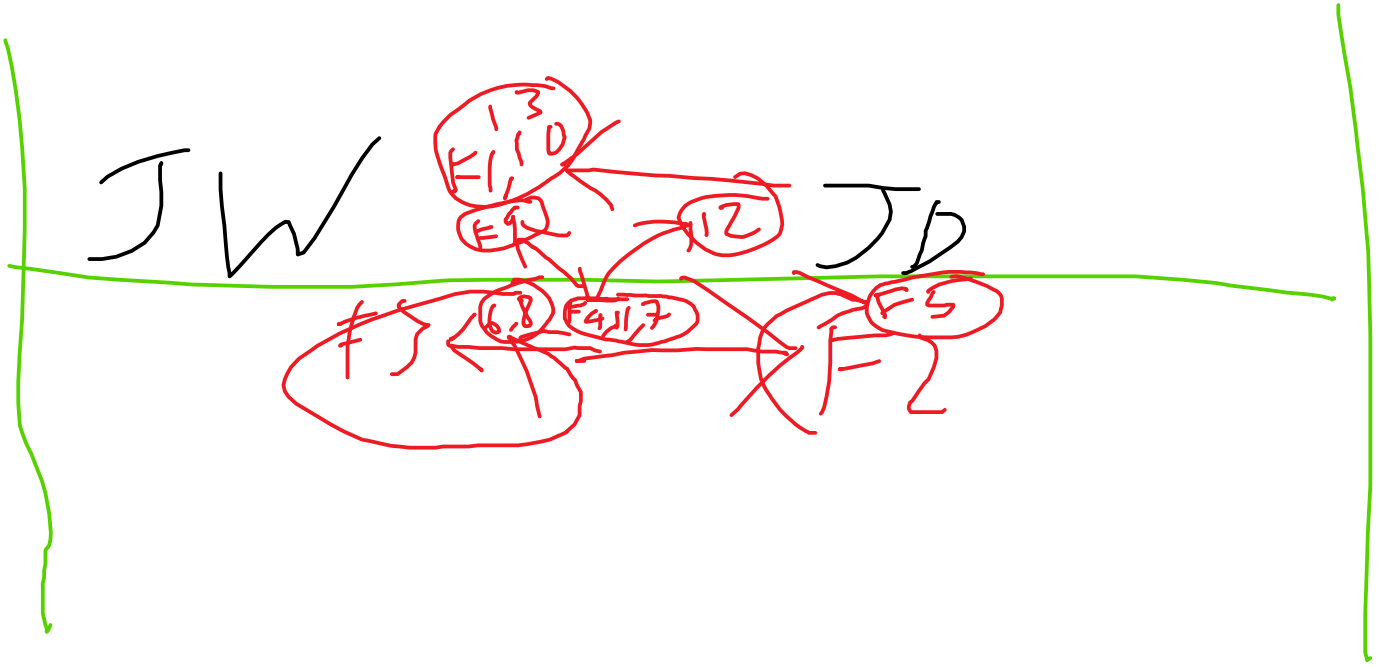
04/07/2019 analysis completed by JD

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:59	4	4	north	e to w	p.pip	confirmed	
2	22:00	6	5	south	w to e	p.pip	not recorded	
3	22:04	6	5	south	e to w	p.pip	confirmed	
4	22:07	3	1	north	n to se	p.pip	confirmed	crossing gap in hedge
5	22:09	6	8	south	e to w	p.pip	confirmed	
6	22:10	7	10	south	e to w to e to	p.pip	confirmed	approxmatley 30 passes for 5 mins
7	22:18	3	3	north	n to se	p.pipx2	not recorded	crossing gap in hedge
8	22:21	4	3	south	e to w to e to	p.pip	not recorded	
9	22:23	3	1	south	se to nw	p.pip	not recorded	crossing gap in hedge
10	22:29	4	3	north	e to w	p.pip	not recorded	

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
11	22:32	3	6	north	e to nw to se	p.pip	not recorded	crossing gap in hedge
12	22:44	3	2	north	sw to ne	p.pip	confirmed	
13	22:45	4	4	north	e to w	p.pip	confirmed	






JW
JD
F1,10
13
F9
12
F3
6,8
F4,11,7
F5
F2

Date:	03/07/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)
Sunset / sunrise time:	21:29	Crossing Point Number :	20	Start	19	4	no
Start time:	21:29	Surveyor position:	ST29970 18723	Middle	17	5	no
End time:	22:59	Surveyor name:	JW	End	16	6	no
Dusk/Dawn	Dusk	Detector Number:	AW6				

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing		
1	21:57	4	5	N	W to E	Common Pipistrelle	Confirmed
2	21:59	1.5	1	N	W to E	Common Pipistrelle	Confirmed
3	21:59	2.5	3	N	E to W	Common Pipistrelle	Confirmed
4	22:06	2.5	2	N	W to E	Common Pipistrelle	Confirmed
5	22:08	3	5	N	W to E	Common Pipistrelle	Confirmed
6	22:16	3	5	N	W to E	Common Pipistrelle	Confirmed

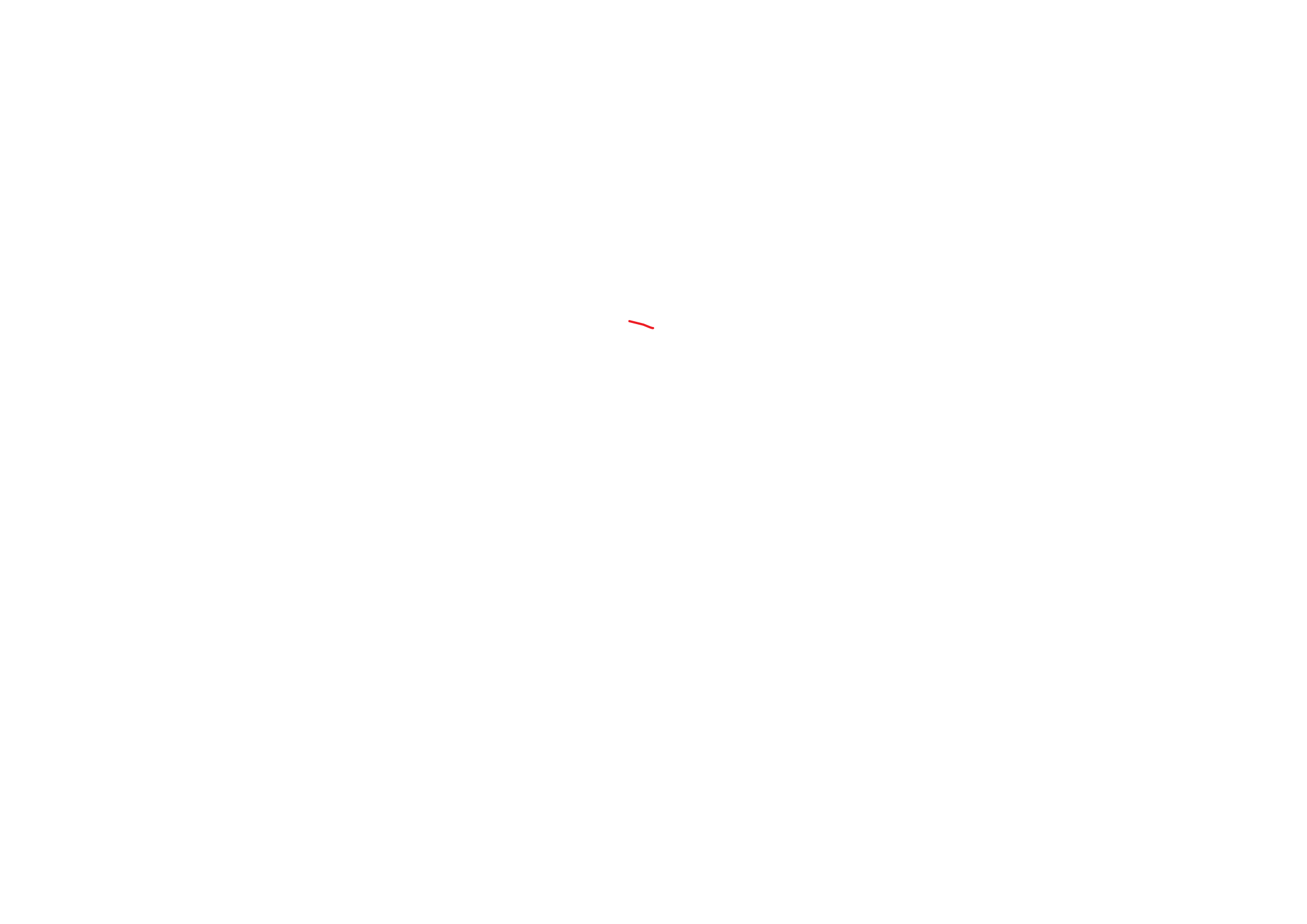
7	22:16	3	7	N	W to E	Common Pipistrelle	Confirmed
8	22:20	2.5	10	N	W to E	Common Pipistrelle	Confirmed
9	22:22	3	6	N	E to W	Common Pipistrelle	Confirmed
10	22:22	2	4	N	W to E	Common Pipistrelle	Confirmed
11	22:24	3	10	N	W to E	Common Pipistrelle	Confirmed
12	22:27	5	10	N	E to W	Common Pipistrelle	Confirmed
13	22:28	5	8	N	E to W	Common Pipistrelle	Confirmed
14	22:30	10	5	S	S to N	Common Pipistrelle	Confirmed
15	22:32	4	10	N	W to E	Common Pipistrelle	Confirmed
16	22:41	4	10	N	W to E	Common Pipistrelle	Confirmed
17	22:43	N/A	N/A	N/A	N/A	Myotis	Confirmed
18	22:47	N/A	N/A	N/A	N/A	Common Pipistrelle	Confirmed
19	22:57	N/A	N/A	N/A	N/A	Common Pipistrelle	Confirmed

Cloud cover (%)	Comments
0	Flying east, moved out into field and circled round, disappeared back into hedge
0	Crossed paths with 3, pip call masked this individual before analysis
0	Foraging up and down west section of hedgerow and in clearing to west, but no further E than JW. Multiple passes for a few minutes
	Flew past JW and through gap in hedge into field to S
	Flew beyond gap in hedge and further E
	Three bats all taking the same route further than gap in hedge

As above
As above
Flew through to S side of hedge and adjacent field
Flew through gap onto other side
Flew further E than gap
As above
Foraging around to W of JW, in clearing between fields
Seen flying over top of hedgerow
Foraging around field, up and down hedgerow, heavy usage. Constant foraging until 2240
As above. Foraging until 2245
Added from analysis
Nothing seen
Nothing seen

Date:	05/09/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	06:31	Crossing Point Number :	CP20	Start	11	4	no	5
Start time:	05:11	Surveyor position:	330084, 11867	Middle	11	2	no	50
End time:	06:31	Surveyor name:	SC	End	10	3	no	0
Dusk/Dawn	Dawn	Detector Number:	AW2					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	05:08	n/a	n/a	n/a	n/a			Nothing seen



Date:	07/08/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	20:51	Crossing Point Number :	20	Start	18	16	No	30
Start time:	20:51	Surveyor position:	north	Middle	16	11	No	30
End time:	22:21	Surveyor name:	LF	End	16	11	No	30
Dusk/Dawn	dusk	Detector Number:	aw1					

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Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
F001	21:09	6	1	north	did not cross	common pipistrelle	Confirmed	flew east along hedge
F002	21:16	6	0.5	north	did not cross	common pipistrelle	Confirmed	commuted west along hedgerow
F003	21:23	5	2	north	did not cross	common pipistrelle	Confirmed	commuted west along hedgerow then looped over,
F004	21:44	8	10	north	did not cross	common pipistrelle	Confirmed	commuted west over field
F005	21:44	n/a	n/a	n/a	n/a	serotine	Confirmed	not seen



Date:	11/06/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:26	Crossing Point Number :	20	Start	13	0	no	8
Start time:	21:26	Surveyor position:	NW	Middle	13	0	light	8
End time:	22:56	Surveyor name:	LF	End	13	0	no	8
Dusk/Dawn	dusk	Detector Number:	AW2					

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Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
F001	21:35	1O	1	S	E	P. pip	Confirmed	One bat seen. 10 passes between
F002	21:41	2	2	S	E	P. pip	Confirmed	One bat seen.84 passess between
F003	21:58	1.5	1	S	N	P. pip	Confirmed	Two bats seen. Seven passes
F004	21:59	3	1	S	E	P. pip	Confirmed	One bat seen, 24 passes between
F005	22:02	unknown	unknown	unknown	unknown	N.noc	Confirmed	not seen, very faint over two recordings within P.pip recordings
F006	22:03	3	1	S	N	P. pip	Confirmed	One bat seen, 49 passes between
F007	22:05	unknown	unknown	unknown	unknown	Myo Sp.	Confirmed	3 passes
F008	22:11	unknown	unknown	unknown	unknown	P. Aur	Amended	Myo Sp.

F009	22:11	unknown	unknown	unknown	unknown	P. Pip	Confirmed	
F010	22:12	unknown	unknown	unknown	unknown	Myo Sp.	Confirmed	two passes
Record no.	**Time (hh:mm:ss)**	**Observations of crossing bats**				**Species**	**Sound Analysis ID**	**Comments**
		Height above road (m)	**Distance from feature (m)**	**Side of feature**	**Direction crossing**			
F011	22:13	unknown	unknown	unknown	unknown	P. pip	Confirmed	nine passes between 22:12 and 22:14
F012	22:14	unknown	unknown	unknown	unknown	Myo Sp.	Confirmed	two passes
F013	22:15	unknown	unknown	unknown	unknown	P. pip	Confirmed	seven passes between 22:15
F014	22:16	unknown	unknown	unknown	unknown	Myo Sp.	Confirmed	four passes
F015	22:17	unknown	unknown	unknown	unknown	P. pip	Confirmed	59 passes
F016	22:30	unknown	unknown	unknown	unknown	unknown	Amended	two passes. Myo Sp.
F017	22:30	unknown	unknown	unknown	unknown	P. pip	Confirmed	12 passes
F018	22:34	unknown	unknown	unknown	unknown	unknown	Amended	one passes. Myo Sp.
F019	22:35	unknown	unknown	unknown	unknown	P. pip	Confirmed	24 passes
F020	22:40	unknown	unknown	unknown	unknown	Myo Sp.	Confirmed	one passes
F021	22:41	unknown	unknown	unknown	unknown	P. pip	Confirmed	18 passes

F022	22:45	unknown	unknown	unknown	unknown	unknown	Amended	6 passes. Myo Sp
F023	22:46	unknown	unknown	unknown	unknown	unknown	Amended	28 passes until 22:55. P.pip
F024	21:48	unknown	unknown	unknown	unknown	unknown	Amended	7 passess until 22:55. Myo Sp.

Date:	11/06/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:26	Crossing Point Number :	20	Start	10	2	no	100
Start time:	21:26	Surveyor position:	West end	Middle	10	2	no	100
End time:	22:56	Surveyor name:	DBl	End	10	2	no	100
Dusk/Dawn	Dusk	Detector Number:	AW5					
		NO SD CARD						

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:43	4	6	S	E to W	P.pip		

Date:	05/09/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	06:31	Crossing Point Number :	21	Start	11	4	no	5
Start time:	05:01	Surveyor position:	330084, 118677	Middle	11	2	no	50
End time:	06:31	Surveyor name:	JW	End	10	3	no	0
Dusk/Dawn	Dawn	Detector Number:	AW4					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	05:08	n/a	n/a	n/a	n/a	Long-eared	Confirmed	Nothing seen
2	06:05	n/a	n/a	n/a	n/a	Noctule	No recording	

Date:	12/07/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	05:12	Crossing Point Number :	21	Start	17	6	no	100
Start time:	03:42	Surveyor position:	ST30074 18666	Middle	17	6	light	100
End time:	05:12	Surveyor name:	JD	End	16	7	no	95
Dusk/Dawn	dawn	Detector Number:	sotton d6					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	03:45	4	8	east	south to north	p.pip	Confirmed	
2	03:59	3	6	east	south to north	p.pip	Confirmed	
3	04:10	2	3	east	south to north to south	p.pip	Confirmed	10 passes
4	04:12	3	4	east	south to north to south	p.pip	Confirmed	2 passes
5	04:14	4	6	east	south to north to south	p.pip	Confirmed	4 passes feeding buzz
6	04:17	5	9	east	south to north to south	p.pip	Confirmed	9 passes
7	04:21	3	5	east	south to north	p.pip	Confirmed	1 pass
8	04:28	2	2	east	south to north to south	p.pip	Confirmed	7 passes
9	04:31	3	3	east	south to north to south	p.pip	Confirmed	2 passes
10	04:33	8	5	east to west	south to north and west	p.pip	Confirmed	1 pass, crossing hedge

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
11	04:36	4	6	east	north to south	p.pip	not recorded	
12	04:41	6	4	east	south to north to south	p.pip	Confirmed	2 passes

Date:	12/07/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	05:12	Crossing Point Number :	21	Start	17	6	no	100
Start time:	03:42	Surveyor position:	E of feature facing S	Middle	17	6	light	100
End time:	05:12	Surveyor name:	BC	End	16	6	no	95
Dusk/Dawn	Dawn	Detector Number:	AW5					

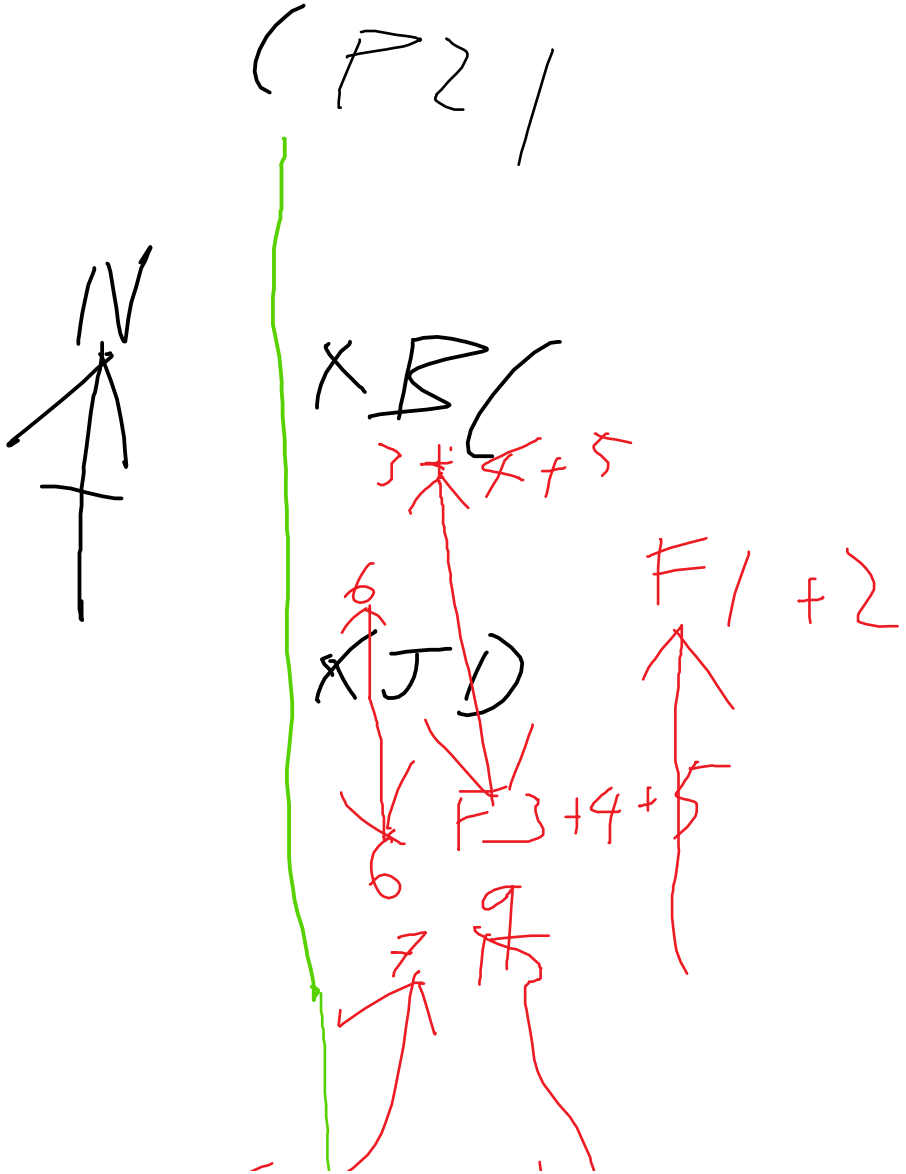
Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	03:42					Common pip	Confirmed	not seen
2	03:48					Common pip	Confirmed	not seen
3	03:59					Common pip	Confirmed	not seen
4	04:08					leisler	Not Recorded	not seen
5	04:10	3	1	E	N TO S	Common pip	Confirmed	12 passes
6	04:22					Common pip	Confirmed	not seen
7	04:26	3	1	E	N TO S	Common pip	Confirmed	6 passes
8	04:32					noctule	Not Recorded	not seen
9	04:34	3	1	E	N TO S	Common pip	Confirmed	2 passes

Date:	12/07/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	05:12	Crossing Point Number :	21	Start	17	6	no	100
Start time:	03:42	Surveyor position:	ST30074 18666	Middle	17	6	light	100
End time:	05:12	Surveyor name:	JD	End	16	7	no	95
Dusk/Dawn	dawn	Detector Number:	sotton d6					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	03:45	4	8	east	south to north	p.pip	Confirmed	
2	03:59	3	6	east	south to north	p.pip	Confirmed	
3	04:10	2	3	east	south to north to south	p.pip	Confirmed	10 passes
4	04:12	3	4	east	south to north to south	p.pip	Confirmed	2 passes
5	04:14	4	6	east	south to north to south	p.pip	Confirmed	4 passes feeding buzz
6	04:17	5	9	east	south to north to south	p.pip	Confirmed	9 passes
7	04:21	3	5	east	south to north	p.pip	Confirmed	1 pass
8	04:28	2	2	east	south to north to south	p.pip	Confirmed	7 passes
9	04:31	3	3	east	south to north to south	p.pip	Confirmed	2 passes
10	04:33	8	5	east to west	south to north and west	p.pip	Confirmed	1 pass, crossing hedge

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
11	04:36	4	6	east	north to south	p.pip	not recorded	
12	04:41	6	4	east	south to north to south	p.pip	Confirmed	2 passes

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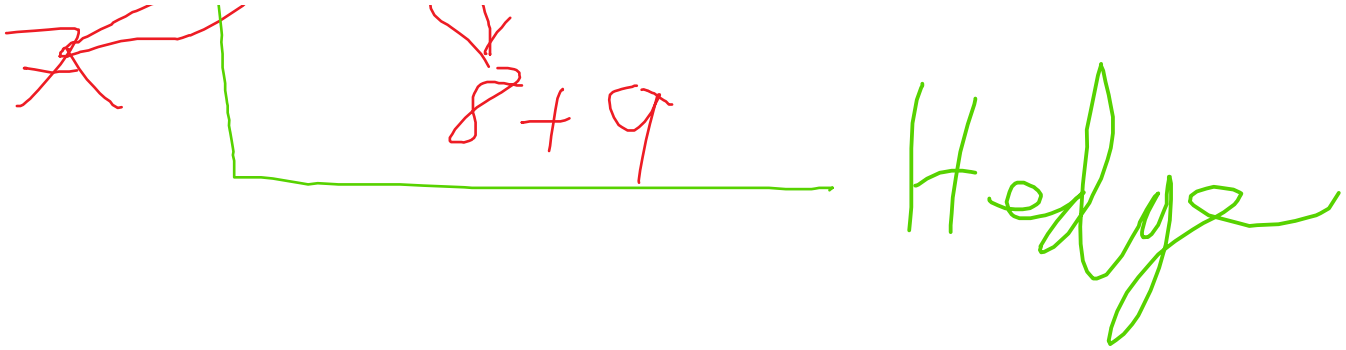
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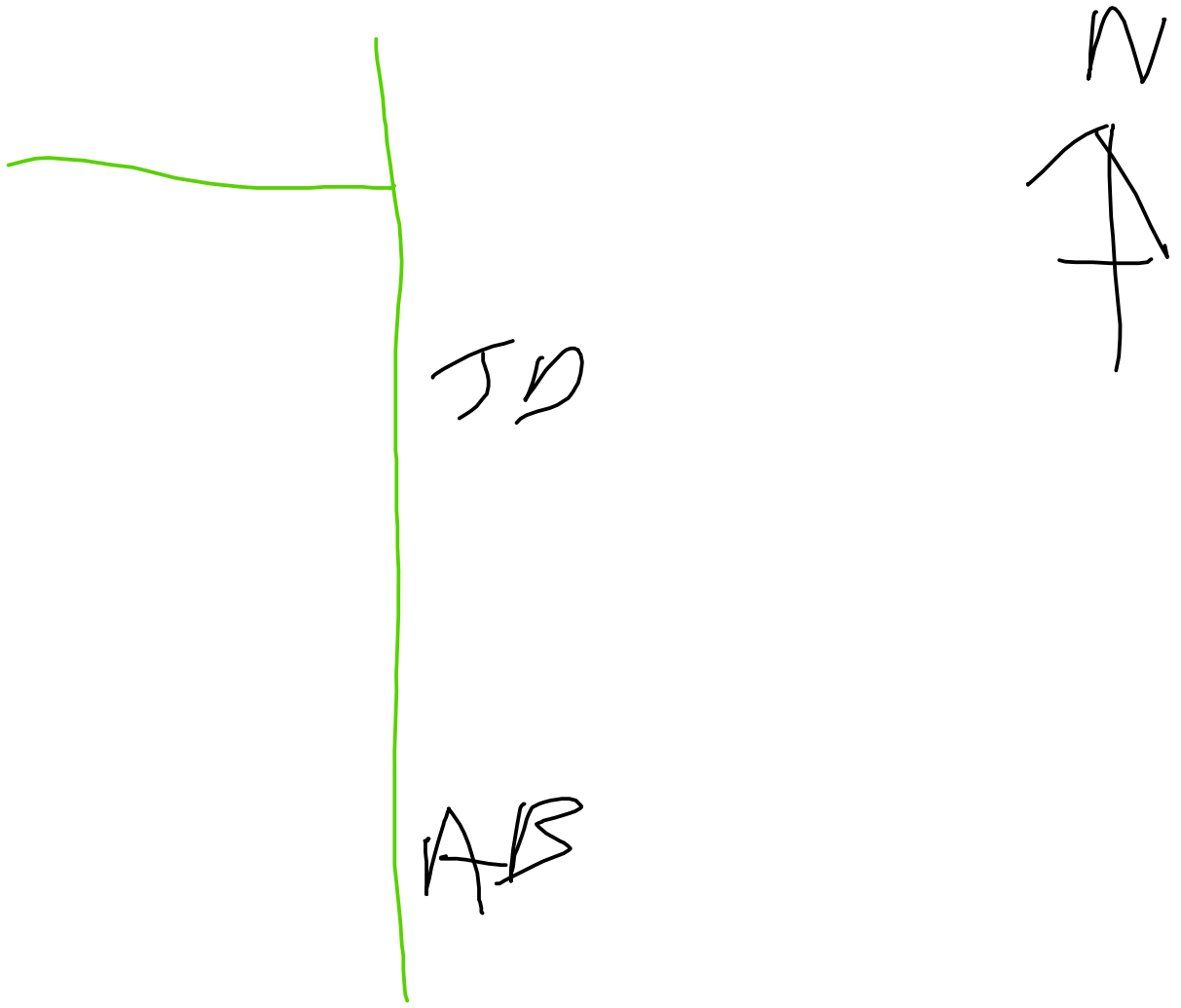
Holy

Date:	21/07/2020	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	05:23	Crossing Point Number :	CPS21	Start	11	3	no	5
Start time:	03:53	Surveyor position:	NE	Middle	9	3	no	5
End time:	05:23	Surveyor name:	AB	End	8	3	no	5
Dusk/Dawn	Dawn	Detector Number:	Sotton D4					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
								No bats seen

Date:	21/07/2020	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	05:23	Crossing Point Number :	21	Start	11	4	no	10
Start time:	03:53	Surveyor position:	north	Middle	9	3	no	5
End time:	05:23	Surveyor name:	JD	End	7	3	no	5
Dusk/Dawn	dawn	Detector Number:	AW3	Analysed by JD 21/07/20				

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
						no bats recorded or observed		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Date:	21/07/2020	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	05:23	Crossing Point Number :	21	Start	11	4	no	10
Start time:	03:53	Surveyor position:	north	Middle	9	3	no	5
End time:	05:23	Surveyor name:	JD	End	7	3	no	5
Dusk/Dawn	dawn	Detector Number:	AW3	Analysed by JD 21/07/20				

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
						no bats recorded or observed		

Date:	02/06/2020	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:18	Crossing Point Number :	21	Start	18		no	10
Start time:	21:17	Surveyor position:	S end	Middle	18		no	10
End time:	22:48	Surveyor name:	DBl	End	18		no	10
Dusk/Dawn	Dusk	Detector Number:	AW2					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:55	4	3	E	N	Pip 45	Confirmed	Flew towards GG, but did not reach her before flying back
2	21:55	4	3	E	S	Pip 45	Confirmed	Flew towards GG, but did not reach her before flying back
3	21:55	4	3	E	N	Pip 45	Confirmed	Flew towards GG, but did not reach her before flying back
4	21:55	4	3	E	S	Pip 45	Confirmed	Flew towards GG, but did not reach her before flying back
5	21:55	4	3	E	N	Pip 45	Confirmed	Flew towards GG, but did not reach her before flying back

6	21:55	4	3	E	S	Pip 45	Confirmed	Flew towards GG, but did not reach her before flying back
7	22:02	4	3	E	N	Pip 45	Confirmed	
8	22:13	4	3	E	S	Pip 45	Confirmed	
9	22:13	4	3	E	S	Pip 45	Confirmed	
10	22:26	4	3	E	S	Pip 45	Confirmed	

Noctule, serotine and possible barb found in analysis

Date:	04/09/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	19:52	Crossing Point Number :	21	Start	14	3	no	10
Start time:	19:52	Surveyor position:	330025, 11873	Middle	13	5	no	0
End time:	21:22	Surveyor name:	SC	End	13	3	no	10
Dusk/Dawn	Dusk	Detector Number:	AW2					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	20:29	n/a	n/a	n/a	n/a			Nothing seen
2	20:50	n/a	n/a	n/a	n/a			Nothing seen



Date:	07/08/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	20:51	Crossing Point Number :	cp21	Start	18	16	no	30
Start time:	20:51	Surveyor position:	South	Middle	16	11	no	30
End time:	22:21	Surveyor name:	BC	End	16	11	no	30
Dusk/Dawn	dusk	Detector Number:	AW3					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:26	5	0	east	south	common pip	Confirmed	
2	21:28	n/a	n/a	n/a	n/a	myotis	Confirmed	Not seen
3	21:30	5	5	east	north	common pip	Confirmed	
4	21:32	n/a	n/a	n/a	n/a	lesser horseshoe	Confirmed	Not seen
5	21:33	5	10	east	north	common pip	Confirmed	
6	21:44	n/a	n/a	n/a	n/a	serotine	Amended	Not seen
7	21:54	5	10	east	south	myotis	Confirmed	
8	22:04	n/a	n/a	n/a	n/a	serotine	No recording	Not seen
9	22:08	n/a	n/a	n/a	n/a	myotis	Confirmed	Not seen
10	22:14	n/a	n/a	n/a	n/a	serotine	Confirmed	Not seen

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
11	21:56					common pip	Amended	found in analysis



lots of crickets

Date:	07/08/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	20:51	Crossing Point Number :	cp21	Start	18	16	no	30
Start time:	20:51	Surveyor position:	South	Middle	16	11	no	30
End time:	22:21	Surveyor name:	BC	End	16	11	no	30
Dusk/Dawn	dusk	Detector Number:	AW3					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:26	5	0	east	south	common pip	Confirmed	
2	21:28	n/a	n/a	n/a	n/a	myotis	Confirmed	Not seen
3	21:30	5	5	east	north	common pip	Confirmed	
4	21:32	n/a	n/a	n/a	n/a	lesser horseshoe	Confirmed	Not seen
5	21:33	5	10	east	north	common pip	Confirmed	
6	21:44	n/a	n/a	n/a	n/a	serotine	Amended	Not seen
7	21:54	5	10	east	south	myotis	Confirmed	
8	22:04	n/a	n/a	n/a	n/a	serotine	No recording	Not seen
9	22:08	n/a	n/a	n/a	n/a	myotis	Confirmed	Not seen
10	22:14	n/a	n/a	n/a	n/a	serotine	Confirmed	Not seen

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
11	21:56					common pip	Amended	found in analysis

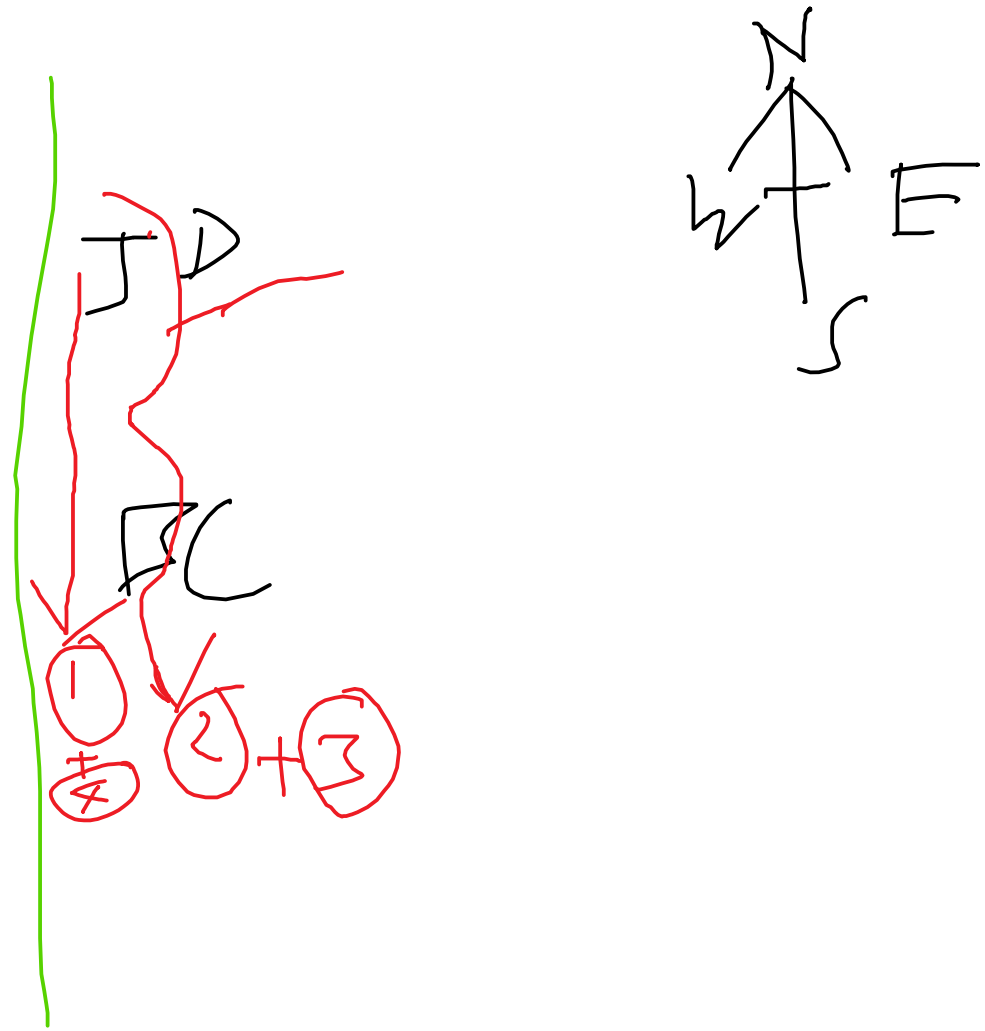
Date:	07/08/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	20:51	Crossing Point Number :	21	Start	18	16	no	30
Start time:	20:50	Surveyor position:	North position	Middle	16	11	no	20
End time:	22:21	Surveyor name:	JD	End	16	11	no	20
Dusk/Dawn	dusk	Detector Number:	aw4	Analysis completed by JD on 08/08/2019				

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:24	3	1	east	n-s	p.pip	confirmed	
2	21:26	2	4	east	n-s	p.pip	confirmed	
3	21:28	3	3	east	ne-s	myotis sp	confirmed	
4	21:32	3	1	east	n-s	lesser horshoe	confirmed	
5	21:54	3	3	east	ne-s	myotis sp	confirmed	
6	22:03					serotine	confirmed	not seen

Date:	07/08/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	20:51	Crossing Point Number :	21	Start	18	16	no	30
Start time:	20:50	Surveyor position:	North position	Middle	16	11	no	20
End time:	22:21	Surveyor name:	JD	End	16	11	no	20
Dusk/Dawn	dusk	Detector Number:	aw4	Analysis completed by JD on 08/08/2019				

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:24	3	1	east	n-s	p.pip	confirmed	
2	21:26	2	4	east	n-s	p.pip	confirmed	
3	21:28	3	3	east	ne-s	myotis sp	confirmed	
4	21:32	3	1	east	n-s	lesser horshoe	confirmed	
5	21:54	3	3	east	ne-s	myotis sp	confirmed	
6	22:03					serotine	confirmed	not seen

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Date:	11/06/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:26	Crossing Point Number :	21	Start	10	bf3	no	100
Start time:	21:26	Surveyor position:	Right point	Middle	10	bf3	light	100
End time:	22:56	Surveyor name:	JDD	End	10	bf3	no	100
Dusk/Dawn	Dusk	Detector Number:	AW4	Analysed by JD on the 29/07/2019				

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
F1	21:36	8	0	west	N/A	*P.pip*	confirmed	Foraging in gap between trees, not seen to cross.
F2	22:02					*N.noc*	confirmed	Not seen.

Date:	02/06/2020	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:19	Crossing Point Number :	21	Start	20	0	no	50%
Start time:	21:19	Surveyor position:	North end of CP	Middle	19	0	no	50%
End time:	22:49	Surveyor name:	GG	End	18	0	no	50%
Dusk/Dawn	dusk	Detector Number:	aw5					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:50	N/A	N/A	N/A	N/A	Noctule	Confirmed	Not seen
2	22:02	3m	2m	W	heading NE	Common Pip	Confirmed	
3	22:18	N/A		N/A	N/A	Noctule	Confirmed	Not seen
4	22:20	N/A	N/A	N/A	N/A	Serotine	Amended	Not seen - very faint not sure if detector picked it up
5	22:22	7m	5m	W	heading NE	Common Pip	Confirmed	flying up and down hedgerow between the surveyors.
6	22:28	4m	4m	W	heading N	Common Pip	Confirmed	flying up and down hedgerow between the surveyors. Contined to follow this pattern for most of the rest of the survey.
7	22:38	N/A	N/A	N/A	N/A	Serotine	Confirmed	Not Seen

8	22:39	7m	5m	W	heading NE	Common Pip	Confirmed	flying up and down hedgerow between the surveyors.
9	22:45					Noctule	Confirmed	Found in analysis
10	22:46					Soprano Pip	Confirmed	Found in analysis

Date:	13/08/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	05:54	Crossing Point Number :	22	Start	12	0	no	hazy 100
Start time:	04:24	Surveyor position:	west of bridge	Middle		0	no	
End time:	05:55	Surveyor name:	CD	End		0	no	
Dusk/Dawn	dawn	Detector Number:	aw5					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	05:11	below road along hedge row	0	west	south paralelle then east under bridge	common pip	not recorded	
2	05:15	5m below deck level	0	west	west to east	myotis	amended	soprano pip
3	05:26	n/a	n/a	west	parrallel to bridge. north to south into wood	long eared	not recorded	
4	05:28	10m below bridge deck level	0	west	west to east	leislers	confirmed	
5	05:31	n/a	n/a	n/a	north to south east	long eared	not recorded	
6	05:33	0m below road	0	n/a	east to west.	unknown	not recorded	not echolocating
7	05:46	30m above A358	n/a	overhead	se to nw	noctule	confirmed	commuting quick
Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
8	04:36	n/a	n/a	n/a	n/a	p45	confirmed	found in analysis, not seen

9	04:46	n/a	n/a	n/a	n/a	p45	confirmed	found in analysis, not seen
10	05:23	n/a	n/a	n/a	n/a	p45	confirmed	found in analysis, not seen

other bat calls from woodland to south of bridge but only those seen crossing recorded

evidence it has rained over night prior to survey and started raining at 22:30. therefore bats may have returned early to their roosts . quiet a quiet survey despite good conditions and previous visits to the cp22 being much busier

Date:	13/08/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	05:54	Crossing Point Number :	22	Start	12	0	no	hazy 100
Start time:	04:24	Surveyor position:	west of bridge	Middle		0	no	
End time:	05:55	Surveyor name:	CD	End		0	no	
Dusk/Dawn	dawn	Detector Number:	aw5					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	05:11	below road along hedge row	0	west	south paralelle then east under bridge	common pip	not recorded	
2	05:15	5m below deck level	0	west	west to east	myotis	amended	soprano pip
3	05:26	n/a	n/a	west	parrallel to bridge. north to south into wood	long eared	not recorded	
4	05:28	10m below bridge deck level	0	west	west to east	leislers	confirmed	
5	05:31	n/a	n/a	n/a	north to south east	long eared	not recorded	
6	05:33	0m below road	0	n/a	east to west.	unknown	not recorded	not echolocating
7	05:46	30m above A358	n/a	overhead	se to nw	noctule	confirmed	commuting quick
Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
8	04:36	n/a	n/a	n/a	n/a	p45	confirmed	found in analysis, not seen

9	04:46	n/a	n/a	n/a	n/a	p45	confirmed	found in analysis, not seen
10	05:23	n/a	n/a	n/a	n/a	p45	confirmed	found in analysis, not seen

other bat calls from woodland to south of bridge but only those seen crossing recorded

evidence it has rained over night prior to survey and started raining at 22:30. therefore bats may have returned early to their roosts . quiet a quiet survey despite good conditions and previous visits to the cp22 being much busier

Date:	03/07/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	05:03	Crossing Point Number :	22	Start	12	bf 1	no	95
Start time:	03:33	Surveyor position:	West side	Middle	11	bf 1	no	95
End time:	05:03	Surveyor name:	JDD	End	10	bf 1	no	95
Dusk/Dawn	Dawn	Detector Number:	Sotton D4	batlogger time an hour ahead				

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
f1	03:33	n/a	n/a	n/a	n/a	myotis sp.	ammended	not seen, multiple passes
f2	03:38	n/a	n/a	n/a	W-E	Myotis	confirmed	not seen
f3	03:45	n/a	n/a	n/a	E-W	Myotis	confirmed	not seen
f4	03:47	n/a	n/a	n/a	E-W	Myotis	confirmed	not seen
f5	03:49	n/a	n/a	n/a	E-W	P.pip	confirmed	not seen
f6	03:50	n/a	n/a	n/a	W-E	myotis sp.	ammended	not seen
f7	03:54	n/a	n/a	n/a	W-E	myotis sp.	ammended	not seen, immediately
	03:55	n/a	n/a	n/a	n/a	Plecotus sp.	found in analysis	possible call
	03:56	n/a	n/a	n/a	n/a	Ncytalus sp.	found in analysis	possible call
	03:59	n/a	n/a	n/a	n/a	myotis sp.	found in analysis	

f8	04:01	-6	0	W	N-S	myotis sp.	ammended	foraging under bridge
f9	04:09	n/a	n/a	n/a	n/a	P.pyg	confirmed	not seen.
	04:11	n/a	n/a	n/a	n/a	Plecotus sp.	found in analysis	
f10	04:20	n/a	n/a	n/a	n/a	N.noc	confirmed	not seen.
Record no.	**Time (hh:mm:ss)**	**Observations of crossing bats**				**Species**	**Sound Analysis ID**	**Comments**
		Height above road (m)	**Distance from feature (m)**	**Side of feature**	**Direction crossing**			
f11	04:41	n/a	n/a	n/a	n/a	N.noc	confirmed	not seen.
f12	04:44	n/a	n/a	n/a	n/a	R.hip	confirmed	not seen
f13	04:46	n/a	n/a	n/a	n/a	N.noc	confirmed	not seen

confimred/ ammended/ not recorded/ unknown/ possible call/ found in analysis

Date:	07/09/2020	Scheme:	A358		Temp (°C)	Wind (mph)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	19:43	Crossing Point Number :	CP22	Start	17	7	no	100
Start time:	19:43	Surveyor position:	North	Middle	16	7	no	90
End time:	21:13	Surveyor name:	TJ	End	16	8	no	80
Dusk/Dawn	Dusk	Detector Number:	AW6					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	20:16	N/A	N/A	N/A	N/A	Barb	Amended	Added during analysis
2	20:27	N/A	N/A	N/A	N/A	Common Pipistrelle	Confirmed	Not seen
3	20:34	N/A	N/A	N/A	N/A	Barb	Amended	Added during analysis
4	20:45	N/A	N/A	N/A	N/A	Barb	Confirmed	Not seen
5	20:55	N/A	N/A	N/A	N/A	Common Pipistrelle	Confirmed	Not seen
6	20:57	N/A	N/A	N/A	N/A	Common Pipistrelle	Confirmed	Continues until 20:59
7	21:04	N/A	N/A	N/A	N/A	Common Pipistrelle	Confirmed	Not seen
8	21:06	N/A	N/A	N/A	N/A	Common Pipistrelle	Confirmed	Continues to 21:07

Date:	07/09/2020	Scheme:	A358		Temp (°C)	Wind (mp/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	19:43	Crossing Point Number :	22	Start	17	7	No	90
Start time:	19:43	Surveyor position:	South	Middle	17	7	No	100
End time:	21:13	Surveyor name:	TP	End	16	8	No	70
Dusk/Dawn	Dusk	Detector Number:	AW3					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	20:15:00	N/A	N/A	N/A	N/A	Long ear bat	Amended	Added during analysis
2	20:24:00	N/A	N/A	N/A	N/A	Noctule	Amended	Added during analysis
3	20:27:00	N/A	N/A	N/A	N/A	Common pip	Amended	Added during analysis
4	20:30:00	N/A	N/A	N/A	N/A	Barb	Amended	Added during analysis
5	20:31:00	N/A	N/A	N/A	N/A	Barb	Amended	Added during analysis
6	20:45:00	N/A	N/A	N/A	N/A	Barb	Amended	Added during analysis

7	20:50:00	N/A	N/A	N/A	N/A	Myotis	Amended	Added during analysis
8	20:57:00	N/A	N/A	N/A	N/A	Soprano pipistrelle	Amended	Added during analysis
9	21:34:45	N/A	N/A	N/A	N/A	Barb	Amended	Not seen
10	20:39:30	N/A	N/A	N/A	N/A	Barb	Amended	Not seen
11	20:41:00	N/A	N/A	N/A	N/A	N/A	Not Recorded	No bat
12	20:46:20	N/A	N/A	N/A	N/A	Barb	Amended	Not seen
13	20:55:50	N/A	N/A	N/A	N/A	Soprano pipistrelle	Amended	Not seen
14	20:58:40	N/A	N/A	N/A	N/A	Soprano pipistrelle	Amended	Not seen
15	21:06:55	N/A	N/A	N/A	N/A	Common pip	Amended	Not seen
16	21:07:15	N/A	N/A	N/A	N/A	Common pip	Amended	Not seen

Date:	09/05/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	20:46	Crossing Point Number :	22	Start	11	12	no	10
Start time:	20:46	Surveyor position:	south of bridge	Middle	9	9	no	20
End time:	22:16	Surveyor name:	JD	End	8	5	no	10
Dusk/Dawn	dusk	Detector Number:	AW1	Analysed: RW 12/07/19				

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:04	8	25	s	n/a	p.pyg	Confirmed	
2	21:06	4	5	s	se-nw	p.pyg	Confirmed	
3	21:08	5	5	s	se-nw	p.pyg	Confirmed	
4	21:08	n/a	n/a	n/a	n/a	N.noc	Ammended	Found in analysis
5	21:09	2	3	n	w-e	p.pyg	Confirmed	
6	21:11	2	3	n	w-e	p.pip and p.pip	Confirmed	
7	21:12	20	4	n	w-ne	N.noc	Ammended	
8	21:15	7	4	s	se-w	p.pyg	Confirmed	
9	21:17	7	4	s	se-w	p.pyg and p.pip	Confirmed	for 25 mins social calls, four bat crossings of hedgerow

10	21:27	n/a	n/a	n/a	n/a	Rhi. hip	not recorded	not seen
11	21:29	5	1	s	s-nw	p.pyg	Confirmed	
Record no.	**Time (hh:mm:ss)**	**Observations of crossing bats**				**Species**	**Sound Analysis ID**	**Comments**
		Height above road (m)	**Distance from feature (m)**	**Side of feature**	**Direction crossing**			
12	21:47	n/a	n/a	n/a	n/a	Rhi. hip	not recorded	
13	21:52	3	4	s	n/a	p.pip	not recorded	

Date:	09.05.2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	20.44	Crossing Point Number :	22	Start	11	no	no	0
Start time:	20.35	Surveyor position:	east	Middle				
End time:	22.14	Surveyor name:	CD	End				
Dusk/Dawn	dusk	Detector Number:	aw6	Analysed: RW 12/07/19				

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21.009	n/a	10m from bridge. directly over woodland side hedge	n	n/a	cp	Confirmed	dark lane and hedge used for foraging
2	21:13	n/a	n/a	n/a	n/a	n/a	Ammended	commuting, not seen
3	21.17	n/a	5m from bridge at deck height	e	n/a	cp	Confirmed	
4	21.19		om		w ro e	cp	Confirmed	flew along hedge111 and under bridge close to bridge deck
5	21.22	n/a	0m	n/a	n/a	cp	Confirmed	continuous foraging under bridge deck around north piers

6	21:24	n/a	n/a	n/a	n/a	P.pyg	Amended	Found in analysis. Continuous calls
7	21.36	n/a	crossed underneath	n/a	w to e	cp	Not recorded	commuting down hedge lzne
8	21.42	30m?	over road	n/a	ne to sw	bjg bat	Not recorded	seen, not heard
9	21.47	20m	over road	n/a	ne to sw	noctule	Not recorded	quick
10	21.55	n/a	under road.	n/a	unknown	cp	Confirmed	commuting along watercourse behind?
11	21.57	n/a	n/a	n/a	n/a	n/a	Confirmed	as above

Record no.	**Time (hh:mm:ss)**	**Observations of crossing bats**				**Species**	**Sound Analysis ID**	**Comments**
		Height above road (m)	**Distance from feature (m)**	**Side of feature**	**Direction crossing**			
12	22.12	n/a	n/a	n/a	n/a	myotis hns	Not recorded	

Date:	04/09/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	06:30	Crossing Point Number :	33	Start	14	3	light	100
Start time:	05:00	Surveyor position:	326966, 123685	Middle	13	2	no	10
End time:	06:30	Surveyor name:	JW	End	14	1	no	10
Dusk/Dawn	Dawn	Detector Number:	AW4					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	05:19	n/a	n/a	n/a	n/a	Noctule	Confirmed	Nothing seen, brief detection
2	06:00	n/a	n/a	n/a	n/a	Pipistrelle spp.	Amended	Nothing seen, brief detection. Sop Pip
3	06:09	n/a	n/a	n/a	n/a	Soprano Pipistrelle	Not recorded	Nothing seen, brief detection
4	06:16	n/a	n/a	n/a	n/a	Unknown	Amended	Greater Horseshoe Found in analysis

Date:	19/05/2020	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	05:15	Crossing Point Number :	33	Start	12	20	No	0
Start time:	03:45	Surveyor position:		Middle	10	20	No	0
End time:	05:15	Surveyor name:	JW	End	10	20	No	0
Dusk/Dawn	Dawn	Detector Number:	Soton D6					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	03:47	n/a	n/a	n/a	n/a	Nyctalus	Confirmed	Not Seen
2	03:56	n/a	n/a	n/a	n/a	Common pip	Confirmed	Not Seen
3	04:01	n/a	n/a	n/a	n/a	Common pip	Confirmed	Not Seen
4	04:03	n/a	n/a	n/a	n/a	Common pip	Confirmed	Not Seen
5	04:04	n/a	n/a	n/a	n/a	Common pip	Confirmed	Not Seen
6	04:06	n/a	n/a	n/a	n/a	Common pip	Confirmed	Not Seen
7	04:07	n/a	n/a	n/a	n/a	Common pip	Confirmed	Not Seen
8	04:10	n/a	n/a	n/a	n/a	Common pip	Confirmed	Not Seen
9	04:12	n/a	n/a	n/a	n/a	Soprano pip	Confirmed	Not Seen
10	04:15	n/a	n/a	n/a	n/a	Noctule	Confirmed	Not Seen

11	04:16	n/a	n/a	n/a	n/a	Noctule	Confirmed	Not Seen
12	04:17	n/a	n/a	n/a	n/a	Noctule	Confirmed	Not Seen
13	04:21	n/a	n/a	n/a	n/a	Noctule	Confirmed	Not Seen
14	04:23	n/a	n/a	n/a	n/a	Noctule	Confirmed	Not Seen
15	04:31	n/a	n/a	n/a	n/a	Noctule	Confirmed	Not Seen
16	04:31	n/a	n/a	n/a	n/a	Soprano pip	Confirmed	Not Seen. Found in analysis
17	04:33	n/a	n/a	n/a	n/a	Noctule	Confirmed	Not Seen
18	04:45	20-25m	Crosses over feature	E	E to W	Noctule	Confirmed	
19	04:52	20-25m	40m	W	N to S	Noctule	Confirmed	
20	04:57	15-20m	5m	W	N to S	Noctule	Confirmed	
21	04:59	15-20m	30m	W	N to S	Noctule x2	Confirmed	
22	05:00	20-25m	20m	E	N to S	Noctule	Confirmed	

Date:	06/08/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	20:51	Crossing Point Number :	cp33	Start	19	0 bf	no	90
Start time:	20:47	Surveyor position:	South	Middle	17	0 bf	no	80
End time:	22:25	Surveyor name:	BC	End	17	0 bf	no	80
Dusk/Dawn	dusk	Detector Number:	AW3					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:02	20	5	east	north	noctule	Confirmed	
2	21:14	n/a	n/a	n/a	n/a	common pip	Confirmed	Not seen
3	21:27	n/a	n/a	n/a	n/a	serotine	Confirmed	Not seen
4	21:39	n/a	n/a	n/a	n/a	common pip	Confirmed	Not seen
5	21:46	5	0	east	north then west	serotine	Confirmed	few passes
6	22:09	n/a	n/a	n/a	n/a	common pip	Confirmed	Not seen
7	22:19	n/a	n/a	n/a	n/a	noctule	Confirmed	Not seen
8	22:20	n/a	n/a	n/a	n/a	serotine	Confirmed	Not seen
9	22:21	n/a	n/a	n/a	n/a	noctule	Confirmed	Not seen

Date:	06/08/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	20:51	Crossing Point Number :	CP33	Start	19	none	no	
Start time:	20:40	Surveyor position:	Northerly	Middle				
End time:	22:21	Surveyor name:	TS	End				
Dusk/Dawn	dusk	Detector Number:	aw2					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:02	n/a	n/a	n/a	flying north	noctule	Confirmed	not seen
2	21:07	5m	n/a	n/a	flying east	noctule	not recorded	foraging above horses
3	21:11	n/a	n/a	n/a	n/a	n/a	not recorded	not seen
4	21:14	n/a	n/a	n/a	n/a	common pip	Confirmed	foraging, not seen
5	21:40	n/a	n/a	n/a	n/a	cp	not recorded	foraging not seen
6	21:46	n/a	under 3m	east	n/a	serotine	Confirmed	foraging
7	21:49	n/a	n/a	n/a	n/a	cp	Confirmed	not seen
8	22:09	n/a	n/a	n/a	n/a	cp	Confirmed	not seen
9	22:14	n/a	n/a	n/a	n/a	cryptic call	not a bat	not seen
10	22:18	n/a	n/a	n/a	n/a	nat pip?	not recorded	

11	22:19	n/a	n/a	n/a	n/a	noctule	Confirmed	not seen
12	22:20	n/a	n/a	n/a	n/a	noctule	Confirmed	
13	22:21	n/a	n/a	n/a	n/a	noctule	Confirmed	
14	22:22	n/a	n/a	n/a	n/a	noctuke	Confirmed	
15	22:23	n/a	n/a	n/a	n/a	noctule	Confirmed	

Date:	11/06/2020	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:27	Crossing Point Number :	33a	Start	13	15	no	75
Start time:	21:23	Surveyor position:		Middle	12	15	no	60
End time:	22:57	Surveyor name:	JW	End	12	15	no	60
Dusk/Dawn	Dusk	Detector Number:	AW2					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:20	20	10	S	W-E	Big bat	Not recorded	2x big bats seen before start of survey flying
2	21:27	n/a	n/a	n/a	n/a	Noctule	Confirmed	Not Seen
3	21:31	n/a	n/a	n/a	n/a	Noctule	Confirmed	Not Seen
4	21:41	n/a	n/a	n/a	n/a	Noctule	Confirmed	Not Seen
5	21:43	n/a	n/a	n/a	n/a	Noctule	Confirmed	Not Seen
6	21:47	n/a	n/a	n/a	n/a	Nyctalus	Confirmed	Not Seen
7	21:49	2	2	E	E-W	Common Pip	Confirmed	Flying along hedgerow

8	21:51	2	2	E	E-W	Common Pip	Confirmed	As above, also following hedgerow to the south. Returns at 21:53 and continuous foraging between 21:55 - 22:14
9	21:52	n/a	n/a	n/a	n/a	Soprano Pip	Amended	Found in analysis
10	21:54	2	0	E	N-S	Soprano Pip	Confirmed	Brief foraging along the same hedgerows as above
11	22:02	2	0	E	N-S	Soprano Pip	Confirmed	Both pips seen together in field corner, S pip came over hedge from N
12	22:06	n/a	n/a	n/a	n/a	Soprano Pip	Confirmed	Not Seen
13	22:10	4	0	E	N-S	Soprano Pip	Confirmed	Crossed over N hedge
14	22:15	n/a	n/a	n/a	n/a	Nyctalus	Amended	Found in analysis
15	22:19	n/a	n/a	n/a	n/a	Common Pip	Confirmed	Not Seen
16	22:24	n/a	n/a	n/a	n/a	Soprano Pip	Confirmed	Not Seen
17	22:26	n/a	n/a	n/a	n/a	Big bat	Amended	Not Seen. Serotine

18	22:30	n/a	n/a	n/a	n/a	Noctule	Confirmed	Not Seen
19	22:31	n/a	n/a	n/a	n/a	Common Pip	Confirmed	Not Seen
20	22:31	4	0	E	N-E	Serotine	No Recording	Flew over hedge from N and out to E. No recording in analysis.
21	22:43	n/a	n/a	n/a	n/a	Nyctalus	Confirmed	Not Seen
22	22:44	n/a	n/a	n/a	n/a	Nyctalus	Confirmed	Not Seen
23	22:45	n/a	n/a	n/a	n/a	Nyctalus	Confirmed	Not Seen
24	22:48	n/a	n/a	n/a	n/a	Nyctalus	Confirmed	Not Seen
25	22:53	n/a	n/a	n/a	n/a	Common Pip	Confirmed	Not Seen
26	22:53	n/a	n/a	n/a	n/a	Nyctalus	Confirmed	Not Seen. Regular detections between 22:53 and 22:56
27	22:56	n/a	n/a	n/a	n/a	Common Pip	Confirmed	Not Seen

Date:	11/07/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:23	Crossing Point Number :	33	Start	22	1	no	80
Start time:	21:23	Surveyor position:	facing north	Middle	18	1	no	90
End time:	21:53	Surveyor name:	BC	End	18	1	no	90
Dusk/Dawn	Dusk	Detector Number:	AW5					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:27	n/a	n/a	n/a	n/a	noctule	Not recorded	Not seen
2	21:39	n/a	n/a	n/a	n/a	noctule	Not recorded	Not seen
3	21:57	n/a	n/a	n/a	n/a	saprano pip	Confirmed	Not seen
4	22:10	n/a	n/a	n/a	n/a	noctule	Confirmed	Not seen
5	22:16	n/a	n/a	n/a	n/a	common pip	Confirmed	Not seen
6	22:18	n/a	n/a	n/a	n/a	noctule	Confirmed	Not seen
7	22:22	n/a	n/a	n/a	n/a	noctule	Confirmed	2 noctules
8	22:24	20	0	east	SW	liesler	Confirmed	
9	22:29	20	0	east	SW	liesler	Confirmed	
10	22:29	n/a	n/a	n/a	n/a	serotine	Confirmed	Not seen

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
11	22:34	n/a	n/a	n/a	n/a	common pip	Confirmed	Not seen
12	22:38	20	0	east	sw	serotine	Confirmed	
13	22:40	n/a	n/a	n/a	n/a	common pip	Confirmed	Not seen
14	22:45	n/a	n/a	n/a	n/a	common pip	Confirmed	Not seen
15	22:47	n/a	n/a	n/a	n/a	liesler	Confirmed	Not seen
16	22:50	n/a	n/a	n/a	n/a	common pip	Confirmed	Not seen
17	22:17	n/a	n/a	n/a	n/a	liester	Confirmed	found in anayisis
18	22:23	n/a	n/a	n/a	n/a	serotine	Confirmed	found in anayisis

Date:	13/06/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:27	Crossing Point Number :	33	Start	13	3	no	100
Start time:	21:27	Surveyor position:	East	Middle	12	3	no	100
End time:	22:57	Surveyor name:	BC	End	12	3	light	100
Dusk/Dawn	Dusk	Detector Number:	AW3	Analysis: RW 12/07/19				

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:29	N/A	N/A	N/A	N/A	Noctule	Confirmed	
2	21:32	N/A	N/A	N/A	N/A	Noctule	Confirmed	
3	21:58	1.5	1	East	South	Common pip	Confirmed	
4	22:04	N/A	N/A	N/A	N/A	Common pip	Confirmed	Found in analysis
5	22:22	N/A	N/A	N/A	N/A	Noctule	Confirmed	
6	22:24	N/A	N/A	N/A	N/A	Noctule	Confirmed	
7	22:25	N/A	N/A	N/A	N/A	Common pip	Confirmed	
8	22:26	N/A	N/A	N/A	N/A	Noctule	Confirmed	
9	22:31	N/A	N/A	N/A	N/A	Soprano	Confirmed	
10	22:33	N/A	N/A	N/A	N/A	Noctule	Confirmed	

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
11	22:41	N/A	N/A	N/A	N/A	Common pip	Confirmed	
12	22:48	N/A	N/A	N/A	N/A	Noctule	Confirmed	
13	22:53	N/A	N/A	N/A	N/A	Soprano	Ammended	



Date:	13/06/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:27	Crossing Point Number :	33	Start	13	3	no	100
Start time:	21:27	Surveyor position:	East	Middle	12	3	no	100
End time:	22:57	Surveyor name:	BC	End	12	3	light	100
Dusk/Dawn	Dusk	Detector Number:	AW3	Analysis: RW 12/07/19				

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:29	N/A	N/A	N/A	N/A	Noctule	Confirmed	
2	21:32	N/A	N/A	N/A	N/A	Noctule	Confirmed	
3	21:58	1.5	1	East	South	Common pip	Confirmed	
4	22:04	N/A	N/A	N/A	N/A	Common pip	Confirmed	Found in analysis
5	22:22	N/A	N/A	N/A	N/A	Noctule	Confirmed	
6	22:24	N/A	N/A	N/A	N/A	Noctule	Confirmed	
7	22:25	N/A	N/A	N/A	N/A	Common pip	Confirmed	
8	22:26	N/A	N/A	N/A	N/A	Noctule	Confirmed	
9	22:31	N/A	N/A	N/A	N/A	Soprano	Confirmed	
10	22:33	N/A	N/A	N/A	N/A	Noctule	Confirmed	

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
11	22:41	N/A	N/A	N/A	N/A	Common pip	Confirmed	
12	22:48	N/A	N/A	N/A	N/A	Noctule	Confirmed	
13	22:53	N/A	N/A	N/A	N/A	Soprano	Ammended	

Date:	13/06/2019	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:27	Crossing Point Number :	33	Start	13	2	no	90
Start time:	21:27	Surveyor position:	facing north	Middle	12	1	no	100
End time:	22:57	Surveyor name:	RW	End	12	1	light	100
Dusk/Dawn	dusk	Detector Number:	aw6					

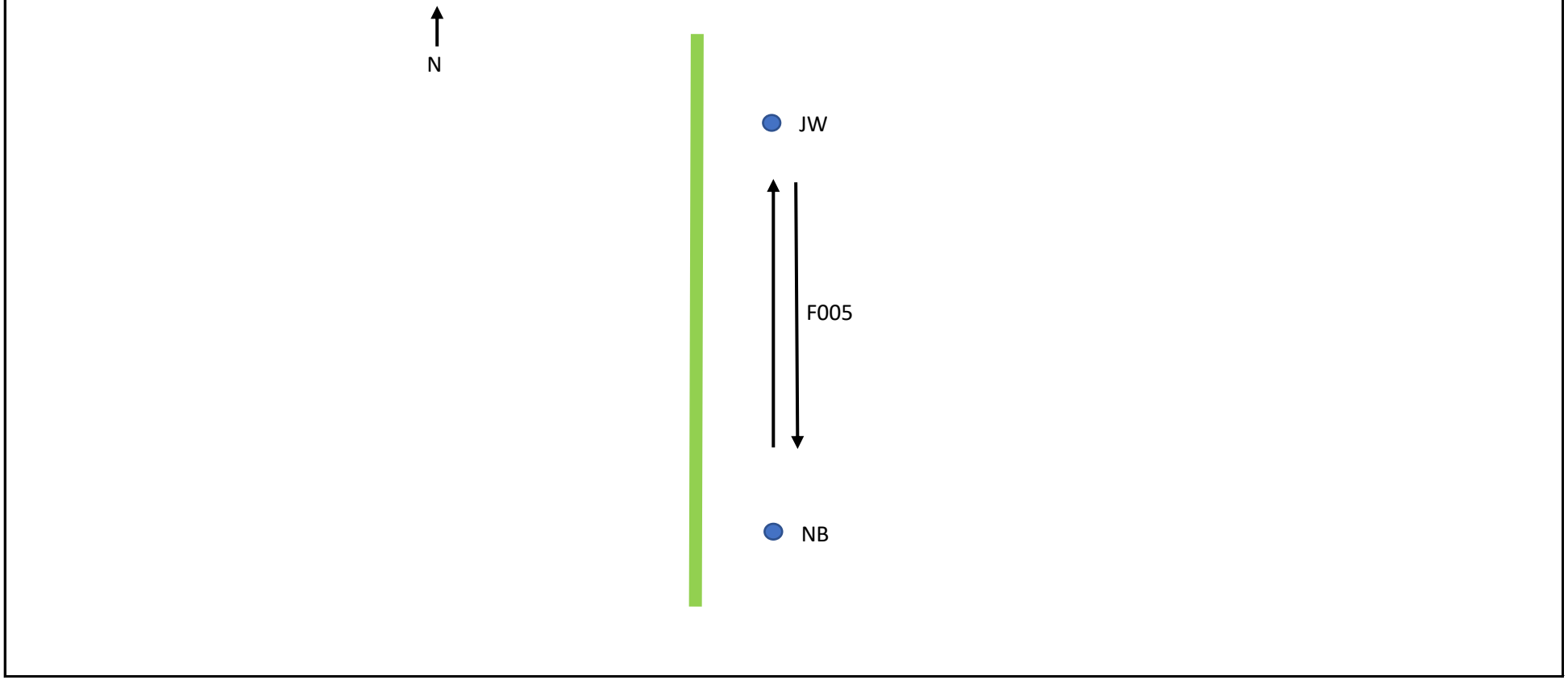
Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:29	over 30m	over 30m	west	sw to ne	Noctule	confirmed	passed high overhead
2	21:32	over 30m	over 30m	west	sw to ne	Noctule	confirmed	same path as bat 1 above
3	21:58	1.5	1	east	only seen on east side and flew off east	p.pip	confirmed	foraging in sw corner of field near gate
4	22:03	n/a	n/a	n/a	n/a	p.pip	confirmed	not seen
5	22:11	2	0.5	seen on east but crossed from west	w to e	unknown	not recorded	seen but didn't echolocate, small ish bat in straight flight path - nothing on analysis
6	22:21	n/a	n/a	n/a	n/a	Noctule	confirmed	not seen, intermittent continuous

7	22:24	n/a	n/a	n/a	n/a	Noctule	confirmed	not seen
8	22:36	n/a	n/a	n/a	n/a	nyctalus sp.	amended	not seen, continuous
9	22:48	n/a	n/a	n/a	n/a	Noctule	confirmed	not seen
10	22:54	n/a	n/a	n/a	n/a	Noctule	confirmed	not seen

Date:	11/06/2020	Scheme:	A358		Temp (°C)	Wind	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:25	Crossing Point Number :	33A	Start	14	3	no	70
Start time:	21:25	Surveyor position:	S	Middle	12	3	no	70
End time:	22:55	Surveyor name:	NB	End	11	3	no	70
Dusk/Dawn	Dusk	Detector Number:	AW4	Analyse completed by JD 17/06/2020				

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
F001	21:32	N/A	N/A	N/A	N/A	Noctule	Not Recorded	Not seen
F002	21:37	N/A	N/A	N/A	N/A	Noctule	Not Recorded	Not seen
F003	21:41	N/A	N/A	N/A	N/A	Noctule	Confirmed	Not seen
F004	21:47	N/A	N/A	N/A	N/A	Noctule	Confirmed	Not seen
F005	21:48	3	4	E	N/A	Common Pip. and Nyctalis	Amended	Seen foraging along hedge line - few passes. -P.pip and Nyctalis sp recorded
F006	22:00	N/A	N/A	N/A	N/A	Noctule	Confirmed	Not seen
F007	22:06	N/A	N/A	N/A	N/A	Soprano Pip.	Confirmed	Not seen
F008	22:10	N/A	N/A	N/A	N/A	Soprano Pip.	Confirmed	Not seen
F009	22:13	N/A	N/A	N/A	N/A	Soprano Pip.	Not Recorded	Not seen
F010	22:24	N/A	N/A	N/A	N/A	Soprano Pip.	Confirmed	Not seen
F011	22:30	N/A	N/A	N/A	N/A	Noctule	Confirmed	Not seen

F012	22:30	N/A	N/A	N/A	N/A	Common Pip.	Confirmed	Not seen
F013	22:36	N/A	N/A	N/A	N/A	Noctule	Confirmed	Not seen
F014	22:43	N/A	N/A	N/A	N/A	Noctule	Confirmed	Not seen - few passes
F015	22:53	N/A	N/A	N/A	N/A	Common Pip.	Confirmed	Not seen - few passes
F016	22:53	N/A	N/A	N/A	N/A	Noctule	Not Recorded	Not seen - few passes



Date:	11/06/2020	Scheme:	A358		Temp (°C)	Wind	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:25	Crossing Point Number :	33A	Start	14	3	no	70
Start time:	21:25	Surveyor position:	S	Middle	12	3	no	70
End time:	22:55	Surveyor name:	NB	End	11	3	no	70
Dusk/Dawn	Dusk	Detector Number:	AW4	Analyse completed by JD 17/06/2020				

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
F001	21:32	N/A	N/A	N/A	N/A	Noctule	Not Recorded	Not seen
F002	21:37	N/A	N/A	N/A	N/A	Noctule	Not Recorded	Not seen
F003	21:41	N/A	N/A	N/A	N/A	Noctule	Confirmed	Not seen
F004	21:47	N/A	N/A	N/A	N/A	Noctule	Confirmed	Not seen
F005	21:48	3	4	E	N/A	Common Pip. and Nyctalis	Amended	Seen foraging along hedge line - few passes. -P.pip and Nyctalis sp recorded
F006	22:00	N/A	N/A	N/A	N/A	Noctule	Confirmed	Not seen
F007	22:06	N/A	N/A	N/A	N/A	Soprano Pip.	Confirmed	Not seen
F008	22:10	N/A	N/A	N/A	N/A	Soprano Pip.	Confirmed	Not seen
F009	22:13	N/A	N/A	N/A	N/A	Soprano Pip.	Not Recorded	Not seen
F010	22:24	N/A	N/A	N/A	N/A	Soprano Pip.	Confirmed	Not seen
F011	22:30	N/A	N/A	N/A	N/A	Noctule	Confirmed	Not seen

F012	22:30	N/A	N/A	N/A	N/A	Common Pip.	Confirmed	Not seen
F013	22:36	N/A	N/A	N/A	N/A	Noctule	Confirmed	Not seen
F014	22:43	N/A	N/A	N/A	N/A	Noctule	Confirmed	Not seen - few passes
F015	22:53	N/A	N/A	N/A	N/A	Common Pip.	Confirmed	Not seen - few passes
F016	22:53	N/A	N/A	N/A	N/A	Noctule	Not Recorded	Not seen - few passes

Date:	15/09/2020	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	6.48	Crossing Point Number :	34a	Start	14	1	0	0
Start time:	05:18	Surveyor position:	Sat in field north of lane, facing south	Middle	14	1	0	1
End time:	07:03	Surveyor name:	RW	End	14	1	0	3
Dusk/Dawn	Dawn	Detector Number:	D4					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	05:50	5	2	south	s-n	c pip	Confirmed	crossed twice s-n then back s
2	6.08	n/a	n/a	n/a	n/a	c pip	found in analysis	
3	6.1	n/a	n/a	n/a	n/a	Nyct Sp.	found in analysis	

Date:	15/09/2020	Scheme:	A358		Temp (°C)	Wind (mph)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	06:48	Crossing Point Number :	34a	Start	14	6	no	10
Start time:	05:18	Surveyor position:	east	Middle	14	6	no	30
End time:	06:48	Surveyor name:	TJ	End	16	3	no	30
Dusk/Dawn	Dawn	Detector Number:	AW6					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	05:21	n/a	n/a	n/a	n/a	Noctule	Confirmed	Not seen
2	05:50	n/a	n/a	n/a	n/a	Common Pipistrelle	Confirmed	Not seen
3	05:50	n/a	n/a	n/a	n/a	Noctule	Found in analysis	Not seen
4	06:10	n/a	n/a	n/a	n/a	Noctule	Confirmed	Not seen

Date:	06/07/2020	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:27	Crossing Point Number :	34a	Start	16	8	no	5
Start time:	21:27	Surveyor position:	north	Middle	15	8	no	5
End time:	22:57	Surveyor name:	JD	End	14	8	no	5
Dusk/Dawn	Dusk	Detector Number:	AW3					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:43	13	4	E	NW	n.noc	confirmed	
2	21:44	13	4	E	NW	n.noc	not recorded	
3	21:14	n/a	n/a	n/a	n/a	n.noc	confirmed	not seen
4	22:31	n/a	n/a	n/a	n/a	p.pip	confirmed	not seen
5	21:44	n/a	n/a	n/a	n/a	n.noc	confirmed	not seen

Date:	11/08/2020	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	20:39	Crossing Point Number :	CP34a	Start	26	10	no	30
Start time:	20:39	Surveyor position:	North-west	Middle	23	6.5	no	30
End time:	22:09	Surveyor name:	AB	End	23	6.5	no	25
Dusk/Dawn	Dusk	Detector Number:	Sotton D4					

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Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:30	5	3	west	N/A	P.pip	Confirmed	foraging along hedgerow and then into the field to the south-west
2	21:34	N/A	N/A	N/A	N/A	Serotine	Confirmed	28-33khz, heard not seen

Date:	22/06/2020	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:29	Crossing Point Number :	CP34a	Start	15	3	no	10
Start time:	21:29	Surveyor position:	East	Middle	14	3	no	10
End time:	22:59	Surveyor name:	DL	End	14	5	no	10
Dusk/Dawn	Dusk	Detector Number:	AW5					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	22:30	6 to 8	0	N/A	N	E.ser	Confirmed	Flying above road, north
2	22:32 - 22:33	n/a	n/a	n/a	n/a	P.pip	Confirmed	Brief, not seen
3	22:33	2 to 6	0	N/A	N	E.ser	Confirmed	Foraging along both hedgerows, north
4	22:34	4	1	W	N	P.pip	Confirmed	commuting, following road/western hedge
5	22:37 - 22:44	4 to 5	n/a	n/a	N &S	P.pip	Confirmed	Foraging in road and over western hedge, flying north and south
6	22:45 - 22:56	n/a	n/a	n/a	n/a	P.pip	Confirmed	Foraging, not seen

Date:	08/06/2020	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:25	Crossing Point Number:	34A	Start	14	5	no	75
Start time:	21:25	Surveyor position:	Eastern hedgerow of road	Middle	12	5	no	75
End time:	22:55	Surveyor name:	DL	End	11	7	no	75
Dusk/Dawn	Dusk	Detector Number:	AW3					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:35	n/a	n/a	n/a	n/a	N.noc	Confirmed	Not seen
2	21:51	2m	0	E	NW	P.pip	Confirmed	Crossed from eastern side of hedgerow, NW into road and possible over the western hedgerow
3	21:52	n/a	n/a	n/a	n/a	N.noc	Confirmed	Commuting, not seen
4	22:02	n/a	n/a	n/a	n/a	N.noc	Confirmed	Not seen
5	22:04	n/a	n/a	n/a	n/a	P.pip	Confirmed	Not seen
6	22:08	2m	2m	E	N	P.pip	Confirmed	Flew north along hedge
7	22:17	n/a	n/a	n/a	n/a	P.pip	Confirmed	Distant, not seen
8	22:22	3	2	In road	N & S	P.pip	Confirmed	Foraging in road, between both hedges
9	22:24	3	2	In road	N	P.pip	Confirmed	Flew north in road, between hedges
10	22:26	n/a	n/a	n/a	n/a	P.pip	Confirmed	Not seen
11	22:27	3	0	In road	NE	P.pip	Confirmed	Flew from road, NE over hedge and flew north up eastern hedgerow
12	22:27	3	2	E	N	P.pip	Confirmed	
13	22:30	n/a	n/a	n/a	n/a	E.ser	Confirmed	Not seen
14	22:34	3	2	E	N	P.pip	Confirmed	
15	22:38	n/a	n/a	n/a	n/a	P.pip	Confirmed	Not seen, commuting
16	22:40	n/a	n/a	n/a	n/a	P.pip	Confirmed	foraging, not seen

17	22:42	2m	2	E	N	P.pip	Confirmed	Foraging along hedgerow
18	22:49	n/a	n/a	n/a	n/a	P.pip	Confirmed	Faint, not seen.

Date:	22/06/20	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:30	Crossing Point Number :	CP34A	Start	16	5	no	20
Start time:	21:30	Surveyor position:	ST28183 22911 W. of road	Middle	16	5	no	20
End time:	23:30	Surveyor name:	MA	End	15	5	no	20
Dusk/Dawn	Dusk	Detector Number:	AW6					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	22:28	n/a	n/a	n/a	n/a	c.pip	No sound track	sev. calls til 22:39
2	22:33 - 22:34	n/a	n/a	n/a	n/a	c. pip	Confirmed	hns
3	22:36 - 22:37	n/a	n/a	n/a	n/a	c. pip	Confirmed	hns til 22:39
4	22:38 - 22:39	n/a	n/a	n/a	n/a	c. pip	Confirmed	hns
5	22:40 - 22:42	n/a	n/a	n/a	n/a	c. pip	Confirmed	hns
6	22:44	n/a	n/a	n/a	n/a	c. pip	Confirmed	hns
7	22:44	n/a	n/a	n/a	n/a	Noc.	Confirmed	hns til 22:45
8	22:46	n/a	n/a	n/a	n/a	c. pip	Confirmed	hns
9	22:46	n/a	n/a	n/a	n/a	s. pip	Confirmed	hns 50khz
10	22:47	n/a	n/a	n/a	n/a	c. pip	Confirmed	hns til 22:56
11	22:50	n/a	n/a	n/a	n/a	Noc.	Confirmed	hns til 23:00
12	22:54	n/a	n/a	n/a	n/a	Noc.	Amended	Added during analysis.
13	22:58	n/a	n/a	n/a	n/a	c. pip	Amended	Added during analysis.
14	22:59 - 23:00	n/a	n/a	n/a	n/a	Noc.	Amended	Added during analysis.
15	22:59	n/a	n/a	n/a	n/a	s. pip	Confirmed	hns

Date:	08/06/2020	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:25	Crossing Point Number :	34A	Start	14	5	0	75
Start time:	21:25	Surveyor position:	Western hedgerow of road	Middle	12	5	0	75
End time:	22:55	Surveyor name:	MA	End	11	7	0	75
Dusk/Dawn	Dusk	Detector Number:	AW6					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:35	n/a	n/a	n/a	n/a	N.noc	Confirmed	Not seen. Commuting
2	21:40	n/a	n/a	n/a	n/a	N.noc	Confirmed	Not seen. Commuting
3	22:03	n/a	n/a	n/a	n/a	N.noc	Confirmed	Not seen. Commuting
4	22:05	n/a	n/a	n/a	n/a	P.pip	Confirmed	Not seen. Commuting
5	22:12	n/a	n/a	n/a	n/a	N.noc	Confirmed	Not seen. Commuting
6	22:16	n/a	n/a	n/a	n/a	N.noc	Confirmed	Not seen. Commuting
7	22:17	n/a	n/a	n/a	n/a	N.noc	Confirmed	Not seen. Commuting
8	22:17	n/a	n/a	n/a	n/a	P.pip	Confirmed	Until 22:24. Not seen
9	22:25	n/a	n/a	n/a	n/a	N.noc	Confirmed	Not seen.
10	22:26	n/a	n/a	n/a	n/a	P.pip	Confirmed	Not seen
11	22:28	n/a	n/a	n/a	n/a	N.noc	Confirmed	Not seen
12	22:29	n/a	n/a	n/a	n/a	E.ser	Amended	Not seen
13	22:30	n/a	n/a	n/a	n/a	N.noc	Confirmed	Not seen
14	22:33	n/a	n/a	n/a	n/a	N.noc	Confirmed	Not seen
15	22:37	n/a	n/a	n/a	n/a	P.pip	Confirmed	Foraging for several minutes
16	22:40	n/a	n/a	n/a	n/a	N.noc	Confirmed	Not seen

17	22:45	n/a	n/a	n/a	n/a	P.pip	Confirmed	Foraging until 22:51
18	22:45	n/a	n/a	n/a	n/a	N.noc	Confirmed	Foraging overheard untl 22:48

Date:	06/07/2020	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:27	Crossing Point Number :	34a	Start	16	8	no	5
Start time:	21:27	Surveyor position:	south	Middle	15	8	no	5
End time:	22:57	Surveyor name:	MK	End	14	8	no	5
Dusk/Dawn	Dusk	Detector Number:	AW3					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:43	Not seen	Not seen	Not seen	Not seen	Noctule	confirmed	Not seen
2	22:15	Not seen	Not seen	Not seen	Not seen	Noctule	confirmed	Not seen
3	22:24	Not seen	Not seen	Not seen	Not seen	Soprano pipistrelle	confirmed	Not seen
4	22:31	Not seen	Not seen	Not seen	Not seen	Soprano pipistrelle	confirmed	Not seen
5	22:37	Not seen	Not seen	Not seen	Not seen	Soprano pipistrelle	confirmed	Not seen
6	22:45	Not seen	Not seen	Not seen	Not seen	Noctule	confirmed	Not seen
7	22:54	Not seen	Not seen	Not seen	Not seen	Soprano pipistrelle	confirmed	Not seen

Date:	21/07/2020	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:13	Crossing Point Number :	CP34a	Start	17	6	no	10
Start time:	21:13	Surveyor position:	north	Middle	17	5	no	10
End time:	22:45	Surveyor name:	TJ	End	16	5	no	10
Dusk/Dawn	Dusk	Detector Number:	AW4					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:49	n/a	n/a	n/a	n/a	Noctule	Confirmed	NS
2	21:59	n/a	n/a	n/a	n/a	Common Pipistrelle	Amended	Added during analysis.
3	22:01	n/a	n/a	n/a	n/a	Common Pipistrelle	Amended	Added during analysis.
4	22:15	n/a	n/a	n/a	n/a	Common Pipistrelle	Confirmed	NS
5	22:18	n/a	n/a	n/a	n/a	Common Pipistrelle	Confirmed	NS. Continues to 22:19.
6	22:20	n/a	n/a	n/a	n/a	Noctule	Amended	Added during analysis.
7	22:22	n/a	n/a	n/a	n/a	Noctule	Confirmed	NS
8	22:33	n/a	n/a	n/a	n/a	Common Pipistrelle	Amended	Added during analysis. Continues to 22:34.
9	22:36	n/a	n/a	n/a	n/a	Common Pipistrelle	Amended	Added during analysis.

10	22:37	n/a	n/a	n/a	n/a	Myotis	Amended	Added during analysis.

Date:	21/07/2020	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:13	Crossing Point Number :	CP34a	Start	16	6	no	5
Start time:	21:13	Surveyor position:	North	Middle	15	5	no	5
End time:	22:43	Surveyor name:	TW	End	15	5	no	5
Dusk/Dawn	Dusk	Detector Number:	AW6					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:49	N/S	N/S	N/S	N/S	Noctule	Confirmed	
2	21:59	N/S	N/S	N/S	N/S	Common Pipistrelle	Amended	Added during analysis
3	22:01	N/S	N/S	N/S	N/S	Common Pipistrelle	Amended	Added during analysis
4	22:19	N/S	N/S	N/S	N/S	Noctule	Amended	Added during analysis
5	22:30	N/S	N/S	N/S	N/S	Common Pipistrelle	Amended	Added during analysis
6	22:36	N/S	N/S	N/S	N/S	Common Pipistrelle	Amended	Added during analysis

Date:	11/08/2020	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	05:53	Crossing Point Number :	34b	Start	17	8	no	60
Start time:	04:23	Surveyor position:	NW	Middle	16	8	no	50
End time:	05:53	Surveyor name:	AB	End	16	7	no	60
Dusk/Dawn	Dawn	Detector Number:	Sotton D4					

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Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
F001	04:58	n/a	n/a	n/a	n/a	Noctule	Confirmed	Not seen
F002	05:02	n/a	n/a	n/a	n/a	Noctule	Confirmed	Not seen
F003	05:06	n/a	n/a	n/a	n/a	Noctule	Confirmed	Not seen
F004	05:14	n/a	n/a	n/a	n/a	Noctule	Confirmed	Not seen
F005	05:24	n/a	n/a	n/a	n/a	Noctule	Confirmed	Not seen
F006	05:29	n/a	n/a	n/a	n/a	Noctule	Confirmed	Not seen
F007	05:33	n/a	n/a	n/a	n/a	Noctule	Confirmed	Not seen

Date:	08/06/2020	Scheme:	A358		Temp (°C)	Wind	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:25	Crossing Point Number :	34b	Start	14	1	no	10
Start time:	21:25	Surveyor position:	ST28450 22707	Middle	12	1	no	40
End time:	22:55	Surveyor name:	JW	End	11	2	no	50
Dusk/Dawn	Dusk	Detector Number:	AW2					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:35	20	5	N	W-E	Noctule	Noctule	Commuting along hedgerow
2	22:13	15	0	N	W-E	Noctule	Noctule	Commuting along hedgerow
3	22:18	n/a	n/a	n/a	n/a	Common Pip	Common Pip x2	Not seen
4	22:20	n/a	n/a	n/a	n/a	Common Pip	Common Pip	NS
5	22:21	n/a	n/a	n/a	n/a	Noctule	Noctule	NS
6	22:25	n/a	n/a	n/a	n/a		Soprano Pip	Found in analysis
7	22:27	3	2	S	E-W	Serotine	Serotine	Commuting along hedgerow
8	22:30	n/a	n/a	n/a	n/a	Common Pip	Common Pip	NS
9	22:31	n/a	n/a	n/a	n/a		Serotine	Found in analysis
10	22:38	n/a	n/a	n/a	n/a	Common Pip	Common Pip	NS

11	22:41	n/a	n/a	n/a	n/a	Soprano Pip	Soprano Pip	NS
12	22:43	n/a	n/a	n/a	n/a	Serotine	Serotine	NS
13	22:47	n/a	n/a	n/a	n/a	Soprano Pip	Soprano Pip	NS
14	22:47	n/a	n/a	n/a	n/a	Noctule	Noctule	NS
15	22:49	n/a	n/a	n/a	n/a	Common Pip x2	Common Pip x2	NS
16	22:51	n/a	n/a	n/a	n/a	Noctule	Noctule	NS
17	22:51	n/a	n/a	n/a	n/a		Common Pip	Found in analysis
18	22:53	n/a	n/a	n/a	n/a	Common Pip x2	Common Pip x2	NS
19	22:54	n/a	n/a	n/a	n/a	Common Pip x2	Common Pip x2	NS

Date:	08/06/2020	Scheme:	A358		Temp (°C)	Wind	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:25	Crossing Point Number :	34B	Start	14	1	no	10
Start time:	21:25	Surveyor position:	Unknown	Middle	12	1	no	40
End time:	22:55	Surveyor name:	NB	End	11	2	no	50
Dusk/Dawn	Dusk	Detector Number:	AW4					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
F001	21:36	20	20	W	SW-NE	Noctule	Not recorded - time stamp incorrect before 22:56	Flying along hedgerow towards road
F002	21:40	20	20	E	SE-NW	Noctule	Not recorded - time stamp incorrect before 22:56	Flying diagonal over hedgerow
F003	22:14	20	20	W	SW-NE	Noctule	Not recorded - time stamp incorrect before 22:56	Flying along hedgerow towards road.Same as F001.
F004	22:18	3	2	E	SE-NW	Common Pip	Not recorded - time stamp incorrect before 22:56	Flying along hedgerow towards road.
F005	22:19	5	2	E	SE-NW	Common Pip	Not recorded - time stamp incorrect before 22:56	Flying along hedgerow towards road. Foraging witnessed. Few passes. Same as F004.
F006	22:28	5	2	E	SE-NW	Serotine	Not recorded - time stamp incorrect before 22:56	Flying along hedgerow towards road. Few passes. Same as F004.
F007	22:30	n/a	n/a	n/a	n/a	Common Pip	Not recorded - time stamp incorrect before 22:56	Not seen
F008	22:32	n/a	n/a	n/a	n/a	Serotine	Not recorded - time stamp incorrect before 22:56	Not seen
F009	22:34	n/a	n/a	n/a	n/a	Noctule	Not recorded - time stamp incorrect before 22:56	Not seen
F010	22:38	n/a	n/a	n/a	n/a	Common Pip	Not recorded - time stamp incorrect before 22:56	Not seen
F011	22:47	n/a	n/a	n/a	n/a	Noctule	Not recorded - time stamp incorrect before 22:56	Not seen

F012	22:49	n/a	n/a	n/a	n/a	Common Pip	Not recorded - time stamp incorrect before 22:56	Not seen
F013	22:52	n/a	n/a	n/a	n/a	Noctule	Not recorded - time stamp incorrect before 22:56	Not seen
F014	22:56	n/a	n/a	n/a	n/a	Common Pip	Confirmed	Not seen

Date:	09/09/2020	Scheme:	A358		Temp (°C)	Wind (mph)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	19:39	Crossing Point Number :	34b	Start	19	10	no	0
Start time:	19:39	Surveyor position:	East	Middle	18	9	no	0
End time:	21:09	Surveyor name:	TJ	End	16	7	no	0
Dusk/Dawn	Dusk	Detector Number:	AW6					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	19:56	over 10	0	S	NE	Noctule	Confirmed	Crossed over hedge from south towards A358.
2	20:34	n/a	n/a	n/a	n/a	Nyctaloid	Confirmed	Not seen
3	20:49	n/a	n/a	n/a	n/a	Barbastelle	Confirmed	Not seen

Date:	09.09.20	Scheme:	A358		Temp (°C)	Wind (mp/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	19:39	Crossing Point Number :	34B	Start	18	9	no rain	0
Start time:	19:39	Surveyor position:	West	Middle	16	7	no rain	10
End time:	21:09	Surveyor name:	TP	End	15	5	no rain	0
Dusk/Dawn	Dusk	Detector Number:	AW3					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	19:56	n/a	n/a	n/a	n/a	Noctule	Amended	Not seen

Date:	21/07/2020	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:13	Crossing Point Number :	34b	Start	16	6	no	5
Start time:	21:18	Surveyor position:	NE	Middle	13	6	no	5
End time:	22:43	Surveyor name:	AB	End	10	5	no	5
Dusk/Dawn	Dusk	Detector Number:	Sotton D4					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
0	n/a	n/a	n/a	n/a	n/a	n/a		No bats seen, Noctule and p.pip recordings in sound analysis

Date:	21/07/2020	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:14	Crossing Point Number :	34b	Start	16	8	no	5
Start time:	21:14	Surveyor position:	South-west	Middle	15	8	no	5
End time:	22:44	Surveyor name:	JD	End	15	7	no	5
Dusk/Dawn	Dusk	Detector Number:	AW3					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	22:34	20	30	north west	north	p.pip	confirmed	foraging

Date:	22/06/2020	Scheme:	A358		Temp (°C)	Wind	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:31	Crossing Point Number :	34b	Start	15	0	no	25
Start time:	22:31	Surveyor position:	Unknown	Middle	14	1	no	25
End time:	23:01	Surveyor name:	KG	End	13	1	no	25
Dusk/Dawn	Dusk	Detector Number:	AW3					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	22:27	n/a	n/a	n/a	n/a	P.pip	Confirmed	Not seen
2	22:42	n/a	n/a	n/a	n/a	P.pip	Confirmed	Not seen
3	22:45	n/a	n/a	n/a	n/a	N.noc	Confirmed	Not seen
4	22:46	n/a	n/a	n/a	n/a	N.noc	Confirmed	Not seen
5	22:48	n/a	n/a	n/a	n/a	P.pip	Confirmed	Not seen
6	22:49	n/a	n/a	n/a	n/a	N.noc	Confirmed	Not seen
7	22:50	n/a	n/a	n/a	n/a	P.pip	Confirmed	Not seen
8	22:55	n/a	n/a	n/a	n/a	N.noc	Confirmed	Not seen

9	22:58	n/a	n/a	n/a	n/a	N.noc	Confirmed	Not seen

Date:	22/06/2020	Scheme:	A358		Temp (°C)	Wind	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:31	Crossing Point Number :	34b	Start	15	0	no	25
Start time:	22:31	Surveyor position:	Unknown	Middle	14	1	no	25
End time:	23:01	Surveyor name:	TJ	End	13	1	no	25
Dusk/Dawn	Dusk	Detector Number:	AW2					

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	22:27	n/a	n/a	n/a	n/a	P.pip	Confirmed	Not seen
2	22:32	n/a	n/a	n/a	W-E	B.bar	Amended	Changed to B.bar in analysis
3	22:36	n/a	n/a	n/a	n/a	N.noc	Confirmed	Not seen
4	22:42	n/a	n/a	n/a	n/a	P.pip	Confirmed	Not seen
5	22:45	n/a	n/a	n/a	n/a	N.noc	Confirmed	Not seen
6	22:48	n/a	n/a	n/a	n/a	P.pip	Confirmed	Not seen
7	22:50	n/a	n/a	n/a	n/a	P.pip	Confirmed	Not seen
8	22:55	n/a	n/a	n/a	n/a	N.noc	Confirmed	Not seen

9	22:58	n/a	n/a	n/a	W-E	N.noc	Confirmed	Flying high above hedge line

Date:	06/07/2020	Scheme:	A358		Temp (°C)	Wind (km/h)	Rain (no/light)	Cloud cover (%)
Sunset / sunrise time:	21:27	Crossing Point Number :	34b	Start	16	5	no	0
Start time:	21:27	Surveyor position:	SE	Middle	14	5	no	0
End time:	22:57	Surveyor name:	DL	End	14	5	no	5
Dusk/Dawn	Dusk	Detector Number:	AW2	Full moon likely reduced activity. Detector issues until 22:30				

Record no.	Time (hh:mm:ss)	Observations of crossing bats				Species	Sound Analysis ID	Comments
		Height above road (m)	Distance from feature (m)	Side of feature	Direction crossing			
1	21:43	n/a	n/a	n/a	n/a	N.noc	Not recorded	
2	22:02	n/a	n/a	n/a	n/a	N.noc	Not recorded	
3	22:35	n/a	n/a	n/a	n/a	P.pyg	Confirmed	Commuting, not seen