

## **APPENDIX 1**

### **S1. Uncertainty in arrival/departure times**

None of the models changed significantly when run with the exclusion of the 63 cases where arrival or departure time was uncertain (due to the bird already being present in the first image at 18:00, or still there in the final image at 03:00). The main difference caused by removing these cases was that the highest duration in the dataset was reduced from 530 mins to 460 mins, with eleven (17%) of the removed cases being above 460 mins. This confirms that although retention of these cases increases uncertainty in the dataset because their durations may be truncated by an unknown amount, excluding them would have obscured the upper end of the range we were aiming to explore.

### **Video footage**

The video footage was taken on seven different nights between 13 and 26 August 2017. The total footage time across these dates was 17 min and 37 sec.