

1 SUPPLEMENTARY MATERIAL

2 Behaviour of *Calidris alba* evaluated in the present study. From Podestá et al. (2022).

Nº	Behaviour category	Description	Code	Time (s)
Resting				
1	Rest	Resting mode in which the bird is standing on both legs.	R	5394
2	Rest with beak between wings	Behaviour in which the bird is standing on both legs while the beak is hidden in the back between both wings.	RBBW	6031
3	Rest on one leg	The bird stands on one leg.	R1L	1131
4	Rest on one leg while beak lies between wings	The bird stands on one leg while the beak is hidden in the back between both wings.	R1LBBW	1932
5	Rest on substrate	Behaviour in which the bird stays on substrate.	RS	285
6	Rest on substrate while beak lies between wings	Resting mode in which the bird keeps the beak hidden in the back between both wings, while standing on substrate.	RSBBW	210
Foraging				

Nº	Behaviour category	Description	Code	Time (s)
7	Food search	The bird performs a slight body inclination in search for food during foraging.	FS	391
8	Pecking	Foraging activity in which the bird introduces part of its beak into the substrate surface in a gentle and continuous way.	Pe	2957
9	Probing	Foraging activity in which the bird introduces its beak fully into the surface for a short or long time.	Pr	902
Flight				
10	Short range flight	The bird flies short distances during a short time within the inner boundaries of the evaluated zone.	SRF	410
11	Long range flight	The bird flies for a long time beyond the boundaries of the evaluated zone, returning or not to the evaluated zone.	LRF	2211
12	Landing	The bird finishes its flight activity and approaches the ground for landing.	L	183

Nº	Behaviour category	Description	Code	Time (s)
Locomotion				
13	Walking	The bird walks slowly within or beyond the evaluated zone.	W	3763
14	Running	The bird moves quickly, within or beyond the evaluated zone.	Ru	5381
15	Jump on two legs	The bird jumps on two legs. This display can include horizontal or vertical movement while jumping.	Ju	44
16	Jump on one leg	The bird jumps on one leg. This display can include horizontal or vertical movement while jumping.	Ju1L	266
17	Jump on two legs and flap the wings	The bird jumps and flaps its wings simultaneously.	JuFW	601
18	Jump on one leg and flap the wings	The bird jumps on one leg and flaps its wings simultaneously.	Ju1LFW	40
19	Walking in circles	The bird does a short walk following a circular path.	WaC	35

Nº	Behaviour category	Description	Code	Time (s)
20	Wing display	The bird leans its body forward and its wings are displayed upwards, with both legs stretched.	WiD	405
Grooming				
21	Grooming left wing with beak	Includes grooming in different spots of the left wing using the beak.	GBLW	559
22	Grooming right wing with beak	Includes grooming in different spots of the right wing using the beak.	GBRW	481
23	Grooming left wing with beak while standing on one leg	Includes grooming in different spots of the left wing using the beak while standing on one leg.	GBLW1L	11
24	Grooming right wing with beak while standing on one leg	Includes grooming in different spots of the right wing using the beak while standing on one leg.	GBRW1L	36
25	Stretches right wing and right leg	The bird slightly leans its body forward and stretches the right wing completely and lifts the right leg horizontally.	SRWL	9

Nº	Behaviour category	Description	Code	Time (s)
26	Stretches left wing and left leg	The bird slightly leans its body forward and stretches the left wing completely and lifts the left leg horizontally.	SLWL	28
27	Shakes head	The bird strongly shakes its head.	ShH	101
28	Shakes entire body	The bird strongly shakes its body.	ShEB	377
29	Shakes rear body	The bird strongly shakes and raises its tail steadily during a short period of time.	ShRB	71
30	Shakes wings	The bird strongly shakes its wings.	ShW	356
31	Wing flapping	The bird rapidly moves its wings while standing in the same ground spot.	WF	185
32	Grooming chest with beak	The bird is standing on two legs and leans its head towards its chest for grooming.	GBCh	1017
33	Grooming chest with beak while standing on one leg	The bird is standing on one leg and leans its head towards its chest for grooming.	GBCh1L	21
34	Grooming neck with beak	The bird is standing on	GBNe	115

Nº	Behaviour category	Description	Code	Time (s)
		two legs and leans its head towards its neck for grooming.		
35	Grooming neck with beak while standing on one leg	The bird is standing on one leg and leans its head towards its neck for grooming.	GBNe1L	58
36	Grooming between wings with beak	The bird tilts its head towards its back, between wings, for grooming.	GBBW	653
37	Grooming between wings with beak while standing on one leg	The bird tilts its head towards its back, between wings, for grooming, while standing on one leg.	GBBW1L	6
38	Grooming tail with beak	The bird tilts its head towards its tail, for grooming the rear-end feathers.	GBTa	348
39	Head fractioning/rubbing on back	The bird rubs its head on its back, using a lateral movement.	HFB	39
40	Head fractioning/rubbing on chest	The bird rubs its head on its chest, using a lateral movement.	HFC	3
41	Scratch the head with left leg	The bird uses its left leg to scratch or arrange its head feathers.	SHLL	240

Nº	Behaviour category	Description	Code	Time (s)
42	Scratch the neck with left leg	The bird uses its left leg to scratch or arrange its neck feathers, between the chest and head.	SNLL	107
43	Scratch the head with right leg	The bird uses its right leg to scratch or arrange its head feathers.	SHRL	136
44	Scratch the beak with left leg	The bird scratches its beak with its left leg.	SBLL	13
45	Beak cleaning on left wing	The bird rubs its beak on its left wing, using a lateral movement.	BCLW	30
46	Beak cleaning on right wing	The bird rubs its beak on its right wing, using a lateral movement.	BCRW	17
47	Beak cleaning with stretched left wing	The bird rubs its beak on its stretched left wing, using a lateral movement.	BCSLW	6
48	Beak cleaning on the back	The bird rubs its beak on its back, using a lateral movement.	BCB	30
49	Beak cleaning on the chest	The bird rubs its beak on its chest, using a lateral movement.	BCC	256

Bath

Nº	Behaviour category	Description	Code	Time (s)
50	Head bath	The bird puts its head in the water during a certain amount of time.	HB	946
51	Complete body bath	The bird puts its head and body in the water during a certain amount of time.	CBB	462
52	Shake body in water	The bird strongly shakes its entire body in the water.	SBW	125
53	Shakes tail in water	The bird strongly shakes its rear body (tail) and raises it steadily during a short period of time.	STW	43
54	Lateral bath (left)	The bird tilts its body to the left and towards the water.	LBL	131
55	Lateral bath (right)	The bird tilts its body to the right and towards the water.	LBR	57
Vigilance				
56	Guard	The bird has its neck directed upwards while watching its surroundings.	G	491

Nº	Behaviour category	Description	Code	Time (s)
57	Guard standing on one leg	The bird stands on one leg and has its neck directed upwards while watching its surroundings.	G1L	1
Social agonistic				
58	Aggression between two birds	The bird fights another bird.	A	63