

Appendix 1. Number of Lotek Lightweight Avian NanoTags deployed at Observatoire d’oiseaux de Tadoussac, Québec, 2014-2023, by bird species tagged and model type. Range in mass for each species (g), tag mass (g), burst interval (s), estimated lifespan (days), number deployed, mean tracking duration (days), maximum tracking duration (days), and mean number of Motus receivers that detected each tag are included.

Species	Mass	Model	Tag mass (g)	Burst interval (s)	Estimated lifespan (days)	N deployed	Mean days	Max days	Mean detections
Northern Saw-whet Owl	(65-151g)	ACT-626	1.30	13.0	358	10	116	211	5
Northern Saw-whet Owl	(65-151g)	NTQBW-4-2	1.00	4.7	233	10	18	38	3
Horned Lark	(28-48g)	NTQB2-1	0.28	10.1	78	6	33	51	3
Horned Lark	(28-48g)	NTQB2-3-2	0.68	9.6-10.5	268-287	60	117	237	6
Horned Lark	(28-48g)	NTQB2-3-2-M	0.68	31.1	570	25	255	461	5
Horned Lark	(28-48g)	NTQB2-4-2S	1.00	12.7	662	16	75	192	2
Gray-cheeked Thrush	(26-30g)	NTQB-3-2	0.68	10.1	186	1	184	184	14
Gray-cheeked Thrush	(26-30g)	NTQB-3-2	0.68	12.7	209	7	85	189	7
Gray-cheeked Thrush	(26-30g)	NTQB-4-2	1.00	5.3	254	7	15	59	7
Gray-cheeked Thrush	(26-30g)	NTQB-4-2	1.00	10.7	390	10	25	40	9
Gray-cheeked Thrush	(26-30g)	NTQB-4-2	1.00	19.9	515	31	40	248	9
Swainson's Thrush	(23-45g)	NTQB-3-2	0.68	6.1	137	40	17	94	3
Swainson's Thrush	(23-45g)	NTQB-3-2	0.68	10.1	186	3	176	182	7
Swainson's Thrush	(23-45g)	NTQB-3-2	0.68	12.7-13.1	209-213	32	113	206	6
Swainson's Thrush	(23-45g)	NTQB-4-2	1.00	5.3	254	1	15	15	6
Swainson's Thrush	(23-45g)	NTQB-4-2	1.00	10.7	390	15	16	30	5
Swainson's Thrush	(23-45g)	NTQB-4-2	1.00	19.9	515	21	40	242	8
American Pipit	(19-26g)	NTQB2-1	0.28	10.1	78	10	30	53	3
American Pipit	(19-26g)	NTQB2-3-2	0.68	9.6-10.5	268-287	61	129	247	6
American Pipit	(19-26g)	NTQB2-3-2	0.68	12.5-12.7	326-330	18	57	227	6
Pine Grosbeak	(20-25g)	NTQB-3-2	0.68	6.1	137	2			0
Purple Finch	(18-32g)	NTQB2-3-2-M	0.68	31.1-31.7	570-575	38	107	393	7
Pine Siskin	(12-18g)	NTQB-2	0.35	35.3	127	14	23	24	3
Rusty Blackbird	(47-80g)	ACT-521	0.46	13.0	179	40	38	65	6
Rusty Blackbird	(47-80g)	ANTC-M4-2	1.00	14.9	457	22	77	230	3

Rusty Blackbird	(47-80g)	NTQB-2	0.32	19.9	106	5	31	51	4
Rusty Blackbird	(47-80g)	NTQB-4-2	1.00	5.3	254	1			0
Rusty Blackbird	(47-80g)	NTQB-4-2	1.00	19.9	515	3	110	235	9
Rusty Blackbird	(47-80g)	NTQB2-4-2S	1.00	13.0	673	21	81	225	10
Rusty Blackbird	(47-80g)	NTQB2-6-1	1.70	12.7	938	22	153	616	10
Blackpoll Warbler	(12-13g)	NTQB-2	0.35	35.3	127	27	42	81	4