

Results of bird trapping and ringing by the Biological Station Rybachy on the Courish Spit in 2015

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This annual report is the 18th in the series of ringing reports published by the Biological Station Rybachy of the Zoological Institute RAS (Bolshakov et al. 1999; 2000; 2002a, b; 2003; 2004; 2005; 2008; 2009a, b, c; 2010; 2011; 2012; 2013; 2014) and consists of two parts. The first part contains a short review of trapping techniques used and the main ringing results (Table 1), retraps and long-distance recoveries (Table 2) during the current year. The second part contains a full list of birds ringed by the Biological Station and recovered outside the Russian part of the Courish Spit based on the data received from the Russian Ringing Centre (A.N. Severtsov Institute for Ecology and Evolution, Moscow). We also present the data on birds ringed outside the Courish Spit and controlled by us in the current year.

At Fringilla field station (55°05' N, 20°44' E) birds are trapped in permanent funnel traps (Payevsky 2000). Two traps were operated at Fringilla in 2014: trap 4 (NE orientation of entrance) from April 3 until September 14, trap 5 (SW orientation of entrance) from April 1 until October 26. In spring, summer, and early autumn, captures in these traps allowed us to control movements of birds along the Courish Spit in both directions.

At Rybachy field site captures were performed in twenty-five 7-m mist-nets set up in two net lines on Cape Rossitten (55°09' N, 20°51' E) on the edge of the village of Rybachy. Trapping, ringing and biometric data collection followed the protocol of European-African Songbird Migration Network (Bairlein et al. 1995). In 2015, the field station was operated from March 27 until June 10 and from June 30 until November 1.

Besides, birds were trapped in smaller numbers in additional temporary mist-nets, at nests, in nest-boxes and in the framework of other research project.

Results of bird ringing in 2015

Overall, 34,783 birds of 98 species were trapped and ringed by the Biological Station Rybachy on the Courish Spit. A total of 17,820 birds of 83 species were trapped and ringed in funnel traps in Fringilla, and 11,629 birds of 68 species were trapped and ringed in mist nets at the field site Rybachy. In 2015, 475 pulli of 10 species and 54 adults of 4 species were ringed at nests. Finally, 4,805 birds of 66 species were trapped and ringed by other methods in the framework of short-term research projects, including trapping by mist-nets near water pools in Fringilla. A more detailed account of ringing results is presented in Table 1.

Apart from the EURING code, scientific and English names of a species, the following information is given: (1) trapping figures at Fringilla field station in funnel traps; (2) trapping figures at Rybachy field station; (3) number of pulli and adults ringed at nests; (4) number of birds trapped by other methods in the framework of various research projects; (5) total ringing figures for 2015. Additionally, the grand ringing totals for 1956–2015 are presented for each species. Numbers of retraps at the ringing location are presented in first three columns of Table 2. A total of 983 individuals of 47 species ringed in 2015 produced 1,573 retraps. In addition, 230 controls (29 species) were obtained from birds ringed in previous years.

List of long-distance recoveries reported in 2015

The number of recoveries for each species is presented in Table 2 (columns 4 and 5). The lists include: birds ringed by the station on the Courish Spit and subsequently recovered more than 20 km from the ringing site; controls of birds ringed outside of the Russian part of the Courish Spit. The sequence of species follows EURING (1979).

Long-distance recoveries of birds ringed on the Courish Spit

For each species, EURING code, scientific and English name and number of recoveries (in parenthesis) are presented. For each individual, the upper line contains the ringing information (ring No, ringing date, sex, age [see below], ringing location with coordinates). If a bird was retrapped at the site of ringing, location and date of the last recapture are given in brackets. The sign “–” before the ring number showed that the series letter is lacking.

In the bottom line, recovery information (recovery date; sex; age; place of recovery, including country, province, the nearest location; coordinates, printed in parenthesis if only very roughly estimated); circumstances of recovery (see below); time elapsed between ringing and recovery dates in days; distance in km and direction in degrees. The distance was estimated according to the orthodrome, the great circle route and direction was estimated according to the loxodrome. If a bird was retrapped several times at the ringing location, the latest recapture was used for calculating the time elapsed. If a ring was added, ringing scheme and new ring number are given.

Codes:

SEX – M – male; F – female; I – unknown.

AGE:

0 – age unknown, i.e. not recorded.

1 – pullus: nestling or chick, unable to fly freely, still able to be caught by hand.

2 – full-grown: able to fly freely but age otherwise unknown.

3 – first-year: full-grown bird hatched in the breeding season of this calendar year.

4 – after first year: full-grown bird hatched before this calendar year, year of birth otherwise unknown.

5 – second year: a bird born last calendar year and now in its second calendar year.

6 – after second year: full-grown bird born before last calendar year, year of birth otherwise unknown.

Circumstances of recovery:

x – found dead

(x) – found sick or wounded, later died

xA – found dead long ago, remnants only: skeleton, leg with ring

xE – hit overhead wires or electrocuted

xG – collided with window, glasshouse, etc.

xN – found dead in fish nets

+ – shot

(+) – killed by man

+K – killed by cat

+M – killed by other mammal

+Ac – killed by raptor

+T – victim of traffic

V – controlled: trapped and released with the same ring

() – caught alive and released with another ring or ring removed

C? – caught, further fate unknown

r – ring only found

! – ring read

rAc – ring found in a raptor pellet

/?/ – manner of recovery unknown

& – ring added

(15.03.1999) – finding date is not known exactly, date when recovery letter was sent is given.

In cases when the exact date is not known:

00.03.1998 – exact date (day) of recovery is not known

beg.03.1998 – bird found in the beginning of the month

mid.03.1998 – bird found in the middle of the month

end.03.1998 – bird found in the end of the month

In such cases time elapsed is recorded as 00.

In total, between 15.03.2015 and 15.03.2016, we received information on 157 recoveries of birds of 26 species ringed on the Courish Spit.

Controls of birds ringed outside the Courish Spit

In 2015 the station controlled a total of 51 birds of 15 species ringed outside the Courish Spit. The line structure is the same: after the ring number, the ringing scheme is reported.

Participants

The following members of the Biological Station, students, colleagues and amateur bird ringers participated in bird trapping and ringing in 2015 (listed by alphabetical order):

N. Chernetsov, D. Leoke, Y. Loshchagina, M. Markovets, A. Mukhin, M. Paranicheva, L. Roberts, Y. Sanfirova, A. Sinelschikova, A. Shapoval, E. Shapoval, N. Shapoval, L. Sokolov, N. Sosedova, E. Tronikova, A. Tsvey.

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Table 1. Numbers of birds ringed by Biological Station Rybachy in 2015.

EURING code	Species	Funnel traps (Frin- gilla)	Mist- nets (Ry- bachy)	Nests		Other research projects and methods	Total ringed in 2015	Grand total 1956– 2015
				Nest- lings	Adults			
00030	<i>Gavia arctica</i> Black-throated Loon	–	–	–	–	–	–	1
00090	<i>Podiceps cristatus</i> Great Crested Grebe	–	–	–	–	–	–	1
00720	<i>Phalacrocorax carbo</i> Great Cormorant	–	–	–	–	–	–	5
00950	<i>Botaurus stellaris</i> Bittern	–	–	–	–	–	–	2
00980	<i>Ixobrychus minutus</i> Little Bittern	–	–	–	–	–	–	1
01220	<i>Ardea cinerea</i> Grey Heron	–	–	–	–	–	–	375
01340	<i>Ciconia ciconia</i> White Stork	–	–	–	–	–	–	364
01840	<i>Anas crecca</i> Teal	–	–	–	–	–	–	3
01860	<i>Anas platyrhynchos</i> Mallard	–	–	–	–	–	–	5
01910	<i>Anas querquedula</i> Garganey	–	–	–	–	–	–	6
02150	<i>Melanitta fusca</i> Velvet Scoter	–	–	–	–	–	–	1
02310	<i>Pernis apivorus</i> Honey Buzzard	–	–	–	–	–	–	17
02380	<i>Milvus migrans</i> Black Kite	–	–	–	–	–	–	1
02430	<i>Haliaeetus albicilla</i> White-tailed Eagle	–	–	–	–	1	1	1
02600	<i>Circus aeruginosus</i> Marsh Harrier	–	–	–	–	–	–	4
02610	<i>Circus cyaneus</i> Hen Harrier	–	–	–	–	–	–	69
02620	<i>Circus macrourus</i> Pallid Harrier	–	–	–	–	–	–	1
02630	<i>Circus pygargus</i> Montagu's Harrier	–	–	–	–	–	–	5
02670	<i>Accipiter gentilis</i> Goshawk	2	–	–	–	–	2	51
02690	<i>Accipiter nisus</i> Sparrowhawk	29	–	–	–	–	29	7,523

Table 1. *Continued*

EURING code	Species	Funnel traps (Fringilla)	Mist- nets (Rybacy)	Nests		Other research projects and methods	Total ringed in 2015	Grand total 1956– 2015
				Nest- lings	Adults			
02870	<i>Buteo buteo</i> Common Buzzard	–	–	–	–	–	–	23
02900	<i>Buteo lagopus</i> Rough-legged Buzzard	–	–	–	–	–	–	2
03040	<i>Falco tinnunculus</i> Kestrel	–	–	–	–	–	–	18
03070	<i>Falco vespertinus</i> Red-footed Falcon	–	–	–	–	–	–	4
03090	<i>Falco columbarius</i> Merlin	–	–	–	–	–	–	36
03100	<i>Falco subbuteo</i> Hobby	–	–	–	–	–	–	15
03200	<i>Falco peregrinus</i> Peregrine	–	–	–	–	–	–	1
03700	<i>Coturnix coturnix</i> Quail	–	–	–	–	–	–	2
04070	<i>Rallus aquaticus</i> Water Rail	–	–	–	–	–	–	21
04080	<i>Porzana porzana</i> Spotted Crake	–	–	–	–	–	–	9
04210	<i>Crex crex</i> Corncrake	1	–	–	–	–	1	17
04240	<i>Gallinula chloropus</i> Moorhen	–	–	–	–	–	–	5
04290	<i>Fulica atra</i> Coot	–	–	–	–	–	–	3
04690	<i>Charadrius dubius</i> Little Ringed Plover	–	–	–	–	–	–	2
04700	<i>Charadrius hiaticula</i> Ringed Plover	–	–	–	–	–	–	3
04930	<i>Vanellus vanellus</i> Lapwing	–	–	–	–	–	–	23
04960	<i>Calidris canutus</i> Knot	–	–	–	–	–	–	3
04970	<i>Calidris alba</i> Sanderling	–	–	–	–	–	–	6
05010	<i>Calidris minuta</i> Little Stint	–	–	–	–	–	–	1
05120	<i>Calidris alpina</i> Dunlin	–	–	–	–	–	–	7

Table 1. *Continued*

EURING code	Species	Funnel traps (Fringilla)	Mist- nets (Rybacy)	Nests		Other research projects and methods	Total ringed in 2015	Grand total 1956– 2015
				Nest- lings	Adults			
05170	<i>Philomachus pugnax</i> Ruff	–	–	–	–	–	–	7
05180	<i>Lymnocyptes minima</i> Jack Snipe	–	–	–	–	–	–	18
05190	<i>Gallinago gallinago</i> Snipe	–	1	–	–	1	2	34
05290	<i>Scolopax rusticola</i> Woodcock	1	–	–	–	–	1	220
05410	<i>Numenius arquata</i> Curlew	–	–	–	–	–	–	1
05530	<i>Tringa ochropus</i> Green Sandpiper	–	–	–	–	1	1	22
05540	<i>Tringa glareola</i> Wood Sandpiper	–	–	–	–	–	–	18
05560	<i>Actitis hypoleucos</i> Common Sandpiper	–	–	–	–	–	–	45
05610	<i>Arenaria interpres</i> Turnstone	–	–	–	–	–	–	1
05820	<i>Larus ridibundus</i> Black-headed Gull	–	–	–	–	–	–	42
05900	<i>Larus canus</i> Common Gull	–	–	–	–	–	–	2
05910	<i>Larus fuscus</i> Lesser Black-backed Gull	–	–	–	–	–	–	3
06000	<i>Larus marinus</i> Great Black-backed Gull	–	–	–	–	–	–	1
061150	<i>Sterna hirundo</i> Common Tern	–	–	–	–	–	–	1
06340	<i>Uria aalge</i> Guillemot	–	–	–	–	–	–	1
06650	<i>Columba livia</i> Rock Dove	–	–	–	–	–	–	15
06680	<i>Columba oenas</i> Stock Dove	–	–	–	–	–	–	17
06700	<i>Columba palumbus</i> Woodpigeon	–	–	–	–	–	–	67
06840	<i>Streptopelia decaocto</i> Collared Dove	–	–	–	–	–	–	34
06870	<i>Streptopelia turtur</i> Turtle Dove	1	–	–	–	–	1	125

Table 1. *Continued*

EURING code	Species	Funnel traps (Fringilla)	Mist- nets (Rybacy)	Nests		Other research projects and methods	Total ringed in 2015	Grand total 1956– 2015
				Nest- lings	Adults			
07240	<i>Cuculus canorus</i> Cuckoo	43	–	–	–	–	43	1,615
07350	<i>Tyto alba</i> Barn Owl	–	–	–	–	–	–	7
07500	<i>Surnia ulula</i> Hawk Owl	–	–	–	–	–	–	5
07570	<i>Athene noctua</i> Little Owl	–	–	–	–	–	–	1
07610	<i>Strix aluco</i> Tawny Owl	–	–	–	–	–	–	61
07670	<i>Asio otus</i> Long-eared Owl	1	–	–	–	–	1	3,391
07680	<i>Asio flammeus</i> Short-eared Owl	–	–	–	–	–	–	57
07700	<i>Aegolius funereus</i> Tengmalm's Owl	2	–	–	–	–	2	347
07780	<i>Caprimulgus europaeus</i> Nightjar	–	–	–	–	–	–	428
07950	<i>Apus apus</i> Swift	2	–	–	–	–	2	670
08310	<i>Alcedo atthis</i> Kingfisher	1	2	–	–	7	10	238
08410	<i>Coracias garrulus</i> Roller	–	–	–	–	–	–	3
08460	<i>Upupa epops</i> Hoopoe	–	–	–	–	–	–	170
08480	<i>Jynx torquilla</i> Wryneck	1	2	–	–	–	3	1,203
08550	<i>Picus canus</i> Grey-headed Woodpecker	–	–	–	–	–	–	8
08560	<i>Picus viridis</i> Green Woodpecker	–	–	–	–	–	–	2
08630	<i>Dryocopus martius</i> Black Woodpecker	2	–	–	–	–	2	20
08760	<i>Dendrocopos major</i> Great Spotted Woodpecker	118	34	–	–	26	178	3,772
08830	<i>Dendrocopos medius</i> Middle Spotted Woodpecker	–	1	–	–	2	3	77
08840	<i>Dendrocopos leucotos</i> White-backed Woodpecker	–	–	–	–	–	–	4

Table 1. *Continued*

EURING code	Species	Funnel traps (Fringilla)	Mist- nets (Rybacy)	Nests		Other research projects and methods	Total ringed in 2015	Grand total 1956– 2015
				Nest- lings	Adults			
08870	<i>Dendrocopos minor</i> Lesser Spotted Woodpecker	4	4	–	–	3	11	527
09740	<i>Lullula arborea</i> Woodlark	1	–	–	–	1	2	4,779
09760	<i>Alauda arvensis</i> Skylark	–	–	–	–	–	–	488
09780	<i>Eremophilla alpestris</i> Shore Lark	–	–	–	–	–	–	5
09810	<i>Riparia riparia</i> Sand Martin	1	–	–	–	–	1	5,144
09920	<i>Hirundo rustica</i> Barn Swallow	49	10	30	–	15	104	12,638
10010	<i>Delichon urbica</i> House Martin	8	–	–	–	–	8	8,768
10020	<i>Anthus richardi</i> Richard's Pipit	–	–	–	–	–	–	3
10050	<i>Anthus campestris</i> Tawny Pipit	–	–	–	–	–	–	146
10090	<i>Anthus trivialis</i> Tree Pipit	3	2	–	–	8	13	6,199
10110	<i>Anthus pratensis</i> Meadow Pipit	3	–	–	–	–	3	11,056
10140	<i>Anthus spinoletta</i> Water Pipit	–	–	–	–	–	–	3
10142	<i>Anthus petrosus</i> Rock Pipit	–	–	–	–	–	–	1
10170	<i>Motacilla flava</i> Yellow Wagtail	3	2	–	–	7	12	2,975
10180	<i>Motacilla citreola</i> Citrine Wagtail	–	–	–	–	–	–	1
10190	<i>Motacilla cinerea</i> Grey Wagtail	–	–	–	–	–	–	13
10200	<i>Motacilla alba</i> White Wagtail	133	14	14	–	24	185	13,513
10480	<i>Bombycilla garrulus</i> Waxwing	–	–	–	–	–	–	1,343
10500	<i>Cinclus cinclus</i> Dipper	–	–	–	–	–	–	1
10660	<i>Troglodytes troglodytes</i> Wren	133	693	–	–	13	839	15,020

Table 1. *Continued*

EURING code	Species	Funnel traps (Fringilla)	Mist- nets (Rybacyh)	Nests		Other research projects and methods	Total ringed in 2015	Grand total 1956– 2015
				Nest- lings	Adults			
10840	<i>Prunella modularis</i> Dunnock	8	80	–	–	5	93	6,886
10990	<i>Erithacus rubecula</i> European Robin	1,206	3,198	–	–	148	4,552	201,267
11030	<i>Luscinia luscinia</i> Thrush Nightingale	1	29	–	–	7	37	2,758
11060	<i>Luscinia svecica</i> Bluethroat	–	1	–	–	–	1	231
11130	<i>Tarsiger cyanurus</i> Red-flanked Bluetail	–	–	–	–	–	–	3
11210	<i>Phoenicurus ochruros</i> Black Redstart	16	–	–	–	8	24	1,666
11220	<i>Phoenicurus phoenicurus</i> Common Redstart	51	34	7	–	22	114	14,399
11370	<i>Saxicola rubetra</i> Whinchat	13	7	–	–	1	21	3,397
11390	<i>Saxicola torquata</i> Stonechat	–	–	–	–	–	–	3
11460	<i>Oenanthe oenanthe</i> Northern Wheatear	1	–	–	–	1	2	866
11860	<i>Turdus torquatus</i> Ring Ouzel	1	–	–	–	–	1	15
11870	<i>Turdus merula</i> Blackbird	53	350	–	–	7	410	15,855
11980	<i>Turdus pilaris</i> Fieldfare	2	6	–	–	–	8	2,563
12000	<i>Turdus philomelos</i> Song Thrush	81	218	–	–	3	302	30,067
12010	<i>Turdus iliacus</i> Redwing	4	12	–	–	–	16	6,327
12020	<i>Turdus viscivorus</i> Mistle Thrush	1	–	–	–	–	1	318
12360	<i>Locustella naevia</i> Grasshopper Warbler	2	3	–	–	3	8	793
12370	<i>Locustella fluviatilis</i> River Warbler	1	1	–	–	–	2	183
12380	<i>Locustella luscinioides</i> Savi's Warbler	1	1	–	–	–	2	93
12430	<i>Acrocephalus schoenobaenus</i> Sedge Warbler	1	136	–	–	12	149	11,387

Table 1. *Continued*

EURING code	Species	Funnel traps (Fringilla)	Mist- nets (Rybachy)	Nests		Other research projects and methods	Total ringed in 2015	Grand total 1956– 2015
				Nest- lings	Adults			
12470	<i>Acrocephalus agricola</i> Paddyfield Warbler	–	–	–	–	–	–	8
12480	<i>Acrocephalus dumetorum</i> Blyth's Reed Warbler	–	5	–	–	–	5	160
12500	<i>Acrocephalus palustris</i> Marsh Warbler	7	149	–	–	9	165	7,274
12510	<i>Acrocephalus scirpaceus</i> Eurasian Reed Warbler	–	245	–	–	29	274	23,092
12530	<i>Acrocephalus arundinaceus</i> Great Reed Warbler	–	26	5	6	25	62	3,579
12560	<i>Iduna caligata</i> Booted Warbler	–	–	–	–	–	–	7
12590	<i>Hippolais icterina</i> Icterine Warbler	15	33	–	–	18	66	12,429
12650	<i>Sylvia cantillans</i> Subalpine Warbler	–	–	–	–	–	–	4
12670	<i>Sylvia melanocephala</i> Sardinian Warbler	–	–	–	–	–	–	1
12730	<i>Sylvia nisoria</i> Barred Warbler	1	7	–	–	2	10	4,016
12740	<i>Sylvia curruca</i> Lesser Whitethroat	28	77	–	–	20	125	20,275
12750	<i>Sylvia communis</i> Whitethroat	37	83	–	–	18	138	14,494
12760	<i>Sylvia borin</i> Garden Warbler	14	129	–	–	41	184	25,236
12770	<i>Sylvia atricapilla</i> Blackcap	49	595	–	–	91	735	30,321
12930	<i>Phylloscopus trochiloides</i> Greenish Warbler	1	–	–	–	–	1	129
12980	<i>Phylloscopus proregulus</i> Pallas's Leaf Warbler	–	–	–	–	–	–	29
13000	<i>Phylloscopus inornatus</i> Yellow-browed Warbler	4	2	–	–	–	6	137
13010	<i>Phylloscopus schwarzi</i> Radde's Warbler	–	–	–	–	–	–	3
13030	<i>Phylloscopus fuscatus</i> Dusky Warbler	–	–	–	–	–	–	2
13070	<i>Phylloscopus bonelli</i> Bonelli's Warbler	–	–	–	–	–	–	1

Table 1. *Continued*

EURING code	Species	Funnel traps (Fringilla)	Mist- nets (Ry- bachy)	Nests		Other research projects and methods	Total ringed in 2015	Grand total 1956– 2015
				Nest- lings	Adults			
13080	<i>Phylloscopus sibilatrix</i> Wood Warbler	29	117	–	–	17	163	17,731
13110	<i>Phylloscopus collybita</i> Chiffchaff	65	89	–	–	10	164	13,287
13120	<i>Phylloscopus trochilus</i> Willow Warbler	800	218	–	–	108	1,126	162,372
13140	<i>Regulus regulus</i> Goldcrest	2,322	2,781	–	–	8	5,111	401,859
13150	<i>Regulus ignicapillus</i> Firecrest	5	5	–	–	–	10	116
13350	<i>Muscicapa striata</i> Spotted Flycatcher	58	25	5	–	14	102	11,034
13430	<i>Ficedula parva</i> Red-breasted Flycatcher	1	3	–	–	1	5	1,288
13480	<i>Ficedula albicollis</i> Collared Flycatcher	–	–	–	–	–	–	29
13490	<i>Ficedula hypoleuca</i> Pied Flycatcher	24	43	108	14	21	210	31,064
13640	<i>Panurus biarmicus</i> Bearded Reedling	–	2	–	–	–	2	513
14370	<i>Aegithalos caudatus</i> Long-tailed Tit	156	304	–	–	–	460	65,704
14400	<i>Parus palustris</i> Marsh Tit	4	9	–	–	22	35	2,484
14420	<i>Parus montanus</i> Willow Tit	1	–	–	–	6	7	2,372
14540	<i>Parus cristatus</i> Crested Tit	4	–	–	–	4	8	828
14610	<i>Parus ater</i> Coal Tit	1,387	4	30	–	15	1,436	59,833
14620	<i>Parus caeruleus</i> Blue Tit	1,257	327	16	1	105	1,706	100,359
14640	<i>Parus major</i> Great Tit	1,335	791	248	33	75	2,482	270,388
14790	<i>Sitta europaea</i> Nuthatch	–	4	–	–	4	8	425
14860	<i>Certhia familiaris</i> Treetreeper	2	127	–	–	3	132	9,459
14870	<i>Certhia brachydactyla</i> Short-toed Treetreeper	–	–	–	–	–	–	18

Table 1. *Continued*

EURING code	Species	Funnel traps (Fringilla)	Mist- nets (Rybacy)	Nests		Other research projects and methods	Total ringed in 2015	Grand total 1956– 2015
				Nest- lings	Adults			
14900	<i>Remiz pendulinus</i> Penduline Tit	–	4	–	–	4	8	1,486
15080	<i>Oriolus oriolus</i> Golden Oriole	3	1	–	–	–	4	299
15150	<i>Lanius collurio</i> Red-backed Shrike	13	11	–	–	4	28	3,668
15200	<i>Lanius excubitor</i> Great Gray Shrike	–	–	–	–	–	–	115
15390	<i>Garrulus glandarius</i> Jay	46	1	–	–	3	50	6,537
15490	<i>Pica pica</i> Magpie	–	–	–	–	–	–	88
15570	<i>Nucifraga caryocatactes</i> Nutcraacker	–	–	–	–	–	–	472
15600	<i>Coloeus monedula</i> Jackdaw	–	–	–	–	1	1	82
15630	<i>Corvus frugilegus</i> Rook	–	–	–	–	–	–	60
15672	<i>Corvus cornix</i> Hooded Crow	–	–	–	–	–	–	74
15720	<i>Corvus corax</i> Raven	–	–	–	–	–	–	4
15820	<i>Sturnus vulgaris</i> Starling	1,065	9	–	–	14	1,088	110,114
15910	<i>Passer domesticus</i> House Sparrow	–	1	–	–	38	39	1,205
15980	<i>Passer montanus</i> Tree Sparrow	–	–	–	–	2	2	368
16360	<i>Fringilla coelebs</i> Chaffinch	1,889	131	12	–	90	2,122	772,319
16380	<i>Fringilla montifringilla</i> Brambling	50	2	–	–	3	55	75,094
16400	<i>Serinus serinus</i> Serin	5	–	–	–	–	5	477
16490	<i>Carduelis chloris</i> Greenfinch	5	8	–	–	15	28	8,011
16530	<i>Carduelis carduelis</i> Goldfinch	4	4	–	–	1	9	3,147
16540	<i>Carduelis spinus</i> Siskin	4,921	221	–	–	3,458	8,600	240,162
16600	<i>Carduelis cannabina</i> Linnet	3	–	–	–	–	3	1,656

Table 1. *Continued*

EURING code	Species	Funnel traps (Fringilla)	Mist- nets (Rybacy)	Nests		Other research projects and methods	Total ringed in 2015	Grand total 1956– 2015
				Nest- lings	Adults			
16620	<i>Carduelis flavirostris</i> Twite	–	–	–	–	–	–	32
16630	<i>Carduelis flammea</i> Redpoll	5	16	–	–	6	27	13,959
16640	<i>Carduelis hornemanni</i> Arctic Redpoll	–	–	–	–	–	–	18
16650	<i>Loxia leucoptera</i> Two-barred Crossbill	1	–	–	–	–	1	25
16660	<i>Loxia curvirostra</i> Common Crossbill	153	–	–	–	151	304	17,820
16680	<i>Loxia pytyopsittacus</i> Parrot Crossbill	–	–	–	–	–	–	19
16790	<i>Carpodacus erythrinus</i> Scarlet Rosefinch	6	32	–	–	7	45	7,370
16990	<i>Pinicola enucleator</i> Pine Grosbeak	–	–	–	–	–	–	1
17100	<i>Pyrrhula pyrrhula</i> Bullfinch	15	134	–	–	1	150	14,793
17170	<i>Coccothraustes coccothraustes</i> Hawfinch	27	1	–	–	9	37	1,897
18470	<i>Calcarius lapponicus</i> Lapland Bunting	–	–	–	–	–	–	3
18500	<i>Plectrophenax nivalis</i> Snow Bunting	–	–	–	–	–	–	1
18570	<i>Emberiza citrinella</i> Yellowhammer	18	–	–	–	6	24	4,856
18660	<i>Emberiza hortulana</i> Ortolan Bunting	–	–	–	–	–	–	517
18730	<i>Emberiza rustica</i> Rustic Bunting	–	–	–	–	–	–	11
18740	<i>Emberiza pusilla</i> Little Bunting	–	–	–	–	–	–	11
18770	<i>Emberiza schoeniclus</i> Reed Bunting	–	12	–	–	–	12	2,850
18810	<i>Emberiza melanocephala</i> Black-headed Bunting	–	–	–	–	–	–	1
18820	<i>Miliaria calandra</i> Corn Bunting	–	–	–	–	–	–	8
Total birds		17,820	11,629	475	54	4,805	34,783	2,985,080
Total species		83	68	10	4	66	98	200

Table 2. Retraps, controls, and recoveries of birds.

EURING code	Species	Retraps of birds ringed in 2015		Controls of birds ringed earlier than 2015	Recoveries of our birds outside the Courish Spit	Recoveries of birds ringed outside the Courish Spit
		birds	retraps			
01590	<i>Anser albifrons</i> White-fronted Goose	–	–	–	–	1
02690	<i>Accipiter nisus</i> Sparrowhawk	–	–	–	2	–
07240	<i>Cuculus canorus</i> Cuckoo	2	3	–	–	–
07670	<i>Asio otus</i> Long-eared Owl	–	–	–	1	–
08480	<i>Jynx torquilla</i> Wryneck	1	1	–	–	–
08760	<i>Dendrocopos major</i> Great Spotted Woodpecker	7	16	1	–	–
08870	<i>Dendrocopos minor</i> Lesser Spotted Woodpecker	2	2	1	–	–
09920	<i>Hirundo rustica</i> Barn Swallow	5	7	1	1	–
10200	<i>Motacilla alba</i> White Wagtail	25	33	4	–	–
10660	<i>Troglodytes troglodytes</i> Wren	39	46	–	–	–
10840	<i>Prunella modularis</i> Dunnock	3	3	–	–	–
10990	<i>Erithacus rubecula</i> European Robin	205	318	9	11	2
11030	<i>Luscinia luscinia</i> Thrush Nightingale	5	15	8	2	–
11210	<i>Phoenicurus ochruros</i> Black Redstart	2	2	–	1	–
11220	<i>Phoenicurus phoenicurus</i> Common Redstart	4	6	2	–	–
11870	<i>Turdus merula</i> Blackbird	13	15	1	5	–
12000	<i>Turdus philomelos</i> Song Thrush	2	4	1	3	–
12430	<i>Acrocephalus schoenobaenus</i> Sedge Warbler	18	22	–	1	–
12500	<i>Acrocephalus palustris</i> Marsh Warbler	18	22	3	1	–
12510	<i>Acrocephalus scirpaceus</i> Eurasian Reed Warbler	46	88	16	4	1

Table 2. *Continued*

EURING code	Species	Retraps of birds ringed in 2015		Controls of birds ringed earlier than 2015	Recoveries of our birds outside the Courish Spit	Recoveries of birds ringed outside the Courish Spit
		birds	retraps			
12530	<i>Acrocephalus arundinaceus</i> Great Reed Warbler	11	25	9	3	1
12590	<i>Hippolais icterina</i> Icterine Warbler	3	3	3	–	–
12740	<i>Sylvia curruca</i> Lesser Whitethroat	7	34	8	1	–
12750	<i>Sylvia communis</i> Whitethroat	3	3	1	1	1
12760	<i>Sylvia borin</i> Garden Warbler	11	15	12	–	–
12770	<i>Sylvia atricapilla</i> Blackcap	68	90	13	1	1
13080	<i>Phylloscopus sibilatrix</i> Wood Warbler	6	6	–	–	–
13110	<i>Phylloscopus collybita</i> Chiffchaff	4	5	–	–	–
13120	<i>Phylloscopus trochilus</i> Willow Warbler	84	179	59	–	–
13140	<i>Regulus regulus</i> Goldcrest	81	134	–	1	4
13350	<i>Muscicapa striata</i> Spotted Flycatcher	1	1	–	–	–
13490	<i>Ficedula hypoleuca</i> Pied Flycatcher	3	3	–	1	–
14370	<i>Aegithalos caudatus</i> Long-tailed Tit	18	19	–	9	–
14400	<i>Parus palustris</i> Marsh Tit	9	19	1	–	–
14420	<i>Parus montanus</i> Willow Tit	3	5	1	–	–
14540	<i>Parus cristatus</i> Crested Tit	1	2	–	–	–
14610	<i>Parus ater</i> Coal Tit	2	2	2	–	5
14620	<i>Parus caeruleus</i> Blue Tit	64	112	10	14	12
14640	<i>Parus major</i> Great Tit	94	152	6	63	5
14790	<i>Sitta europaea</i> Nuthatch	4	7	–	–	–

Table 2. *Continued*

EURING code	Species	Retraps of birds ringed in 2015		Controls of birds ringed earlier than 2015	Recoveries of our birds outside the Courish Spit	Recoveries of birds ringed outside the Courish Spit
		birds	retraps			
14860	<i>Certhia familiaris</i> Treetreeper	10	15	–	–	–
14900	<i>Remiz pendulinus</i> Penduline Tit	–	–	–	2	–
15150	<i>Lanius collurio</i> Red-backed Shrike	1	1	–	–	–
15820	<i>Sturnus vulgaris</i> Starling	3	3	1	7	12
15910	<i>Passer domesticus</i> House Sparrow	–	–	2	–	–
16360	<i>Fringilla coelebs</i> Chaffinch	23	45	51	5	1
16380	<i>Fringilla montifringilla</i> Brambling	–	–	–	1	–
16490	<i>Carduelis chloris</i> Greenfinch	–	–	2	2	1
16540	<i>Carduelis spinus</i> Siskin	55	70	1	11	3
16630	<i>Carduelis flammea</i> Redpoll	1	2	–	–	–
16660	<i>Loxia curvirostra</i> Common Crossbill	1	1	–	1	–
16790	<i>Carpodacus erythrinus</i> Scarlet Rosefinch	5	5	1	2	–
17100	<i>Pyrrhula pyrrhula</i> Bullfinch	8	10	–	–	–
18570	<i>Emberiza citrinella</i> Yellowhammer	2	2	–	–	–
Total birds		983	1,573	230	157	51
Total species		47	47	29	26	15

Long-distance recoveries of birds ringed on the Courish Spit

02690. <i>Accipiter nisus</i>, Sparrowhawk (2)									
PB143253	29.08.2015	M	3	Russia, Fringilla	55.05N, 20.44E				85 days, 2085 km, 224°
	22.11.2015	M	3	Spain, Lerida, Verdu, Cami de Nalec	41.35N, 1.07E	V			
TA80252	08.04.2013	M	6	Russia, Fringilla	55.05N, 20.44E				768 days, 784 km, 20°
	16.05.2015	F	2	Finland, Häme, Pihlajakoski, Kulmoinen	61.42N, 25.24E	xG			
07670. <i>Asio otus</i>, Long-eared Owl (1)									
C 320482	09.10.1983	I	2	Russia, Fringilla	55.05N, 20.44E				00 days, 47 km, 210°
	20.09.2015			Russia, Kaliningrad, A. Kosmodemjanskogo	54.43N, 20.22E	r			
09920. <i>Hirundo rustica</i>, Barn Swallow (1)									
VF36620	20.07.2015	I	3	Russia, Rybachy	55.09N, 20.51E				51 days, 32 km, 46°
	09.09.2015	I	3	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E	V			
10990. <i>Erithacus rubecula</i>, European Robin (11)									
XR00128	08.09.2013	I	3	Russia, Rybachy	55.09N, 20.51E				24 days, 1289 km, 216°
	02.10.2013			Italy, Bergamo, Sovere, M.Palauzone	45.50N, 9.59E	V			
XR00894	18.09.2013	I	3	Russia, Rybachy	55.09N, 20.51E				198 days, 746 km, 255°
	04.04.2014	I	5	Germany, Lüneburg, Hollenstedt-Appel	43.24N, 9.45E	+K			
XR03538	09.04.2014	I	5	Russia, Rybachy	55.09N, 20.51E				515 days, 637 km, 301°
	06.09.2015			Sweden, Västergötland, Svenshogen, Huverod	58.08N, 11.57E	x			
XR07037	09.10.2013	I	3	Russia, Fringilla	55.05N, 20.44E				565 days, 530 km, 355°
	27.04.2015			Finland, Åland, Lemland, Lagskär	59.50N, 19.56E	V			
XR53138	01.10.2014	I	3	Russia, Fringilla	55.05N, 20.44E				11 days, 300 km, 254°
	12.10.2014	I	3	Poland, Koszalin, Darlowo, Dabkowiec	54.20N, 16.15E	V			
XR68043	23.04.2015	I	6	Russia, Fringilla	55.05N, 20.44E				165 days, 160 km, 241°
	05.10.2015	I	4	Poland, Gdansk, Gdansk-Niedzwiednik	54.23N, 18.33E	V			
XR77137	21.09.2015	I	3	Russia, Rybachy	55.09N, 20.51E				19 days, 1138 km, 253°
	10.10.2015			Netherlands, Zuid-Holland, Wassenaar	52.08N, 4.20E	V			

XR77577	27.09.2015	I	3	Russia, Rybacy	55.09N, 20.51E	+K	33 days, 1526 km, 227°
	30.10.2015			France, Ain, Thil, La Verchere	45.49N, 5.01E		
XR77849	29.09.2015	I	3	Russia, Rybacy	55.09N, 20.51E	V	1 day, 44 km, 22°
	30.09.2015	I	3	Lithuania, Neringa, Juodkrante	55.31N, 21.07E		
XR78294	05.10.2015	I	3	Russia, Rybacy	55.09N, 20.51E	V	14 days, 1126 km, 253°
	19.10.2015	I	3	Netherlands, Zuid-Holland, Noordwijk aan Zee	52.15N, 4.27E		
XZ79693	18.10.2015	I	3	Russia, Rybacy	55.09N, 20.51E	V	12 days, 1103 km, 204°
	30.10.2015	I	3	Slovenia, Ljubljana, Jarše	46.04N, 14.32E		
11030. <i>Luscinia luscinia</i>, Thrush Nightingale (2)							
XR45425	08.05.2014	I	5	Russia, Rybacy	55.09N, 20.51E	V	32 days, 31 km, 45°
	09.06.2014	M	5	Lithuania, Šilute, Ventės Ragas	55.21N, 21.12E		
XZ18864	03.07.2013	I	3	Russia, Rybacy	55.09N, 20.51E	V	340 days, 124 km, 226°
	08.06.2014	M	5	Poland, Pomorskie, Krynica Morska, Latarnia	54.23N, 19.27E		
11210. <i>Phoenicurus ochruros</i>, Black Redstart (1)							
XE41361	08.08.2015	I	3	Russia, Fringilla	55.05N, 20.44E	xG	157 days, 1318 km, 177°
	12.01.2016			Serbia, Prokuplje	43.14N, 21.35E		
11870. <i>Turdus merula</i>, Blackbird (5)							
PB142034	07.10.2015	M	3	Russia, Rybacy	55.09N, 20.51E	+	123 days, 1323 km, 242°
	07.02.2016	M		France, Aisne, Bruyeres-et-Montberault	49.32N, 3.40E		
PB148749	06.10.2014	M	3	Russia, Rybacy	55.09N, 20.51E	V	165 days, 32 km, 46°
	20.03.2015	M	5	Lithuania, Šilute, Ventės Ragas	55.21N, 21.13E		
PB148757	10.10.2014	M	3	Russia, Rybacy	55.09N, 20.51E	+	29 days, 1425 km, 215°
	08.11.2014	M		Italy, Milano, Besana In Brianza, Naresso Sup	44.43N, 9.16E		
PB148965	19.09.2015	F	3	Russia, Rybacy	55.09N, 20.51E	x	124 days, 1196 km, 249°
	21.01.2016			Netherlands, Zeeland, Clinge	51.16N, 4.05E		
PB148993	03.10.2015	F	3	Russia, Rybacy	55.09N, 20.51E	xG	45 days, 1056 km, 246°
	17.11.2015			Germany, Nordrhein-Westfalen, Viersen	51.15N, 6.23E		
12000. <i>Turdus philomelos</i>, Song Thrush (3)							
TA49925	22.09.2012	I	3	Russia, Rybacy	55.09N, 20.51E	+	811 days, 2906 km, 228°
	12.02.2014			Portugal, Alto Alentejo, Salvada, Beja	37.56N, 7.47W		

TA82558	23.09.2015	I	3	Russia, Rybachy	55.09N, 20.51E		42 days, 2100 km, 217°
	04.11.2015			Spain, Menorca, Es Mercadal (Bimialcala)	40.01N, 4.04E	+	
TA82670	02.10.2014	I	3	Russia, Rybachy	55.09N, 20.51E	+	87 days, 2266 km, 222°
	28.12.2014			Spain, Catalonia, Tarragona, Rasquera	40.00N, 0.36E	+	
12430. <i>Acrocephalus schoenobaenus</i>, Sedge Warbler (1)							
XR56852	20.05.2015	I	2	Russia, Rybachy	55.09N, 20.51E		77 days, 609 km, 23°
	05.08.2015	F	4	Finland, Uusimaa, Espoo, Laajalahti	60.12N, 24.49E	V	
12500. <i>Acrocephalus palustris</i>, Marsh Warbler (1)							
XR47399	29.07.2014	I	3	Russia, Rybachy	55.09N, 20.51E		36 days, 1149 km, 248°
	03.09.2014	I	3	Belgium, Antwerpen, Rijkvorsel	51.21N, 4.46E	V	
12510. <i>Acrocephalus scirpaceus</i>, Eurasian Reed Warbler (4)							
XH37643	13.07.2011	M	4	Russia, Rybachy	55.09N, 20.51E		1043 days, 124 km, 226°
	21.05.2014	I	4	Poland, Pomorskie, Krynica Morska, Latarnia	54.23N, 19.27E	V	
XR47754	11.08.2014	I	3	Russia, Rybachy	55.09N, 20.51E		14 days, 1162 km, 238°
	25.08.2014	I	3	Luxembourg, Übersyren	49.38N, 6.17E	V	
XZ18757	09.06.2013	F	4	Russia, Rybachy	55.09N, 20.51E		54 days, 1148 km, 247°
	02.08.2013	F	4	Belgium, Antwerpen, Eindhoven	51.06N, 5.00E	V	
XZ18830	01.07.2013	I	3	Russia, Rybachy	55.09N, 20.51E		354 days, 294 km, 255°
	20.06.2014			Poland, Koszalin, Bukowo-Kopan	54.28N, 16.25E	V	
12530. <i>Acrocephalus arundinaceus</i>, Great Reed Warbler (3)							
FS27169	12.05.2014	I	2	Russia, Rybachy	55.09N, 20.51E		472 days, 1309 km, 197°
	27.08.2015	I	4	Croatia, Pakostane, Vransko lake	43.53N, 15.33E	V	
FS27205	02.06.2014	I	4	Russia, Rybachy	55.09N, 20.51E		359 days, 32 km, 46°
	27.05.2015	I	4	Lithuania, Šilute, Ventės Ragas	55.21N, 21.13E	V	
TA82510	09.07.2014	I	1	Russia, Rybachy	55.09N, 20.51E		48 days, 32 km, 46°
	26.08.2014	I	3	Lithuania, Šilute, Ventės Ragas	55.21N, 21.13E	V	
12740. <i>Sylvia curruca</i>, Lesser Whitethroat (1)							
XR50608	30.06.2014	I	3	Russia, Fringilla	55.05N, 20.44E		341 days, 43 km, 46°
	06.06.2015			Lithuania, Šilute, Ventės Ragas	55.21N, 21.13E	V	

12750. <i>Sylvia communis</i>, Whitethroat (1)									
XH78232	25.05.2012	M	2	Russia, Rybachy	55.09N, 20.51E				
	10.05.2015	M	6	Slovak Republic, Nitra, Velky Krtis, Kiarov	48.06N, 19.06E	V		1080 days, 793 km, 189°	
12770. <i>Sylvia atricapilla</i>, Blackcap (1)									
XR12810	09.07.2014	I	3	Russia, Fringilla	55.05N, 20.44E				
	02.05.2015	F	5	Lithuania, Silute, Ventes Ragas	55.21N, 21.13E	V		297 days, 43 km, 46°	
13140. <i>Regulus regulus</i>, Goldcrest (1)									
VF28930	28.03.2015	M	5	Russia, Rybachy	55.09N, 20.51E				
	29.03.2015	M		Lithuania, Silute, Ventes Ragas	55.21N, 21.13E	V		1 day, 32 km, 46°	
13480. <i>Ficedula hypoleuca</i>, Collared Flycatcher (1)									
VK41398	01.05.2010	I	5	Russia, Rybachy	55.09N, 20.51E				
	20.04.2012	I	6	Spain, Murcia, Isla Grosa, Javier	37.49N, 0.50W	V		720 days, 2542 km, 220°	
14370. <i>Aegithalos caudatus</i>, Long-tailed Tit (9)									
VF30046	05.10.2014	I	2	Russia, Fringilla	55.05N, 20.44E				
	10.10.2014	I	2	Poland, Gdansk, Krynica Morska, Siekierki	54.22N, 19.24E	V		5 days, 117 km, 227°	
VF30634	08.10.2014	I	2	Russia, Fringilla	55.05N, 20.44E				
	13.10.2014	I	2	Poland, Gdansk, Krynica Morska, Siekierki	54.22N, 19.24E	V		5 days, 117 km, 227°	
VF82417	13.10.2015	I	3	Russia, Rybachy	55.09N, 20.51E				
	18.10.2015	I	2	Lithuania, Neringa, Juodkrante	55.31N, 21.07E	V		5 days, 44 km, 22°	
VF82603	15.10.2015	I	3	Russia, Rybachy	55.09N, 20.51E				
	18.10.2015	I	2	Lithuania, Neringa, Juodkrante	55.31N, 21.07E	V		3 days, 44 km, 22°	
VN82531	02.10.2014	I	2	Russia, Fringilla	55.05N, 20.44E				
	04.10.2014	I	2	Poland, Gdansk, Krynica Morska	54.23N, 19.27E	V		2 days, 113 km, 227°	
VN83288	04.10.2014	I	2	Russia, Fringilla	55.05N, 20.44E				
	09.10.2014	I	3	Poland, Koszalin, Darlowo, Dabkowiec	54.20N, 16.15E	V		5 days, 300 km, 254°	
VN83393	04.10.2014	I	2	Russia, Fringilla	55.05N, 20.44E				
	10.10.2014	I	3	Poland, Koszalin, Darlowo, Dabkowiec	54.20N, 16.15E	V		6 days, 300 km, 254°	
VN83434	04.10.2014	I	2	Russia, Fringilla	55.05N, 20.44E				
	09.10.2014	I	3	Poland, Koszalin, Darlowo, Dabkowiec	54.20N, 16.15E	V		5 days, 300 km, 254°	
VN83649	05.10.2014	I	2	Russia, Fringilla	55.05N, 20.44E				
	10.10.2014	I	2	Poland, Gdansk, Krynica Morska, Siekierki	54.22N, 19.24E	V		5 days, 117 km, 227°	

14620. <i>Parus caeruleus</i>, Blue Tit (14)									
XE45300	26.09.2015	F	4	Russia, Fringilla	55.05N, 20.44E				34 days, 1010 km, 254°
	30.10.2015	F	3	Netherlands, Overijssel, Kampen	52.37N, 5.54E	V			
XH38068	27.09.2011	F	3	Russia, Rybachy	55.09N, 20.51E	V			392 days, 1162 km, 238°
	23.10.2012	F	4	Luxembourg, Übersyren	49.38N, 6.17E	V			
XH88078	24.09.2012	M	3	Russia, Fringilla	55.05N, 20.44E	V			139 days, 1240 km, 246°
	10.02.2013	M	5	Belgium, Hainaut, Henegouwen, Ghlin	50.28N, 3.56E	V			
XH88681	26.09.2012	M	3	Russia, Fringilla	55.05N, 20.44E	V			32 days, 1152 km, 238°
	28.10.2012	M	3	Luxembourg, Übersyren	49.38N, 6.17E	V			
XR04731	05.10.2013	M	3	Russia, Fringilla	55.05N, 20.44E	V			35 days, 1108 km, 245°
	09.11.2013	M	4	Belgium, Limburg, Neerharen	50.55N, 5.41E	V			
XR07585	13.10.2013	F	3	Russia, Fringilla	55.05N, 20.44E	V			84 days, 503 km, 241°
	05.01.2014	F	5	Germany, Brandenburg, Barnim, Parsteiner See	52.55N, 13.58E	V			
XR07920	18.10.2013	F	3	Russia, Fringilla	55.05N, 20.44E	V			710 days, 43 km, 46°
	28.09.2015	F	6	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E	V			
XR08235	10.10.2013	M	3	Russia, Fringilla	55.05N, 20.44E	V			51 days, 294 km, 255°
	31.10.2013	M	3	Poland, Koszalin, Darlowo, Kopan	54.28N, 16.25E	V			
XR46902	09.07.2014	I	3	Russia, Rybachy	55.09N, 20.51E	x			198 days, 1022 km, 239°
	23.01.2015			Germany, Rheinland-Pfalz, Gackembach	50.22N, 7.52E				
XR49860	10.09.2014	F	3	Russia, Fringilla	55.05N, 20.44E	V			372 days, 43 km, 46°
	17.09.2015	F	4	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E	V			
XR51718	26.09.2014	F	4	Russia, Fringilla	55.05N, 20.44E	V			361 days, 43 km, 46°
	22.09.2015	F	4	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E	V			
XR51982	27.09.2014	F	3	Russia, Fringilla	55.05N, 20.44E	V			129 days, 1074 km, 252°
	03.02.2015	F	5	Netherlands, Utrecht, Driebergen-Rijsenburg	52.03N, 5.17E	V			
XR66602	21.10.2014	F	3	Russia, Fringilla	55.05N, 20.44E	V			54 days, 148 km, 237°
	14.12.2014	F	3	Poland, Gdansk, Górkí Wschodnie	54.21N, 18.48E	V			
XZ15992	28.09.2013	F	4	Russia, Fringilla	55.05N, 20.44E	V			400 days, 1177 km, 247°
	02.11.2014	F	4	Belgium, Antwerpen, Mechelen	51.02N, 4.27E	V			
14640. <i>Parus major</i>, Great Tit (63)									
O 693593	04.10.1994	M	4	Russia, Rybachy	55.09N, 20.51E	V			3 days, 32 km, 46°
	07.10.1994	M	4	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E	V			

XE41289	29.07.2015	F 3	Russia, Fringilla	55.05N, 20.44E		122 days, 483 km, 250°
	28.11.2015	F 2	Germany, Mecklenburg, Kleppelsbagen	53.34N, 13.45E	V	
XE41695	23.08.2015	M 3	Russia, Fringilla	55.05N, 20.44E	I	139 days, 340 km, 253°
	09.01.2016		Poland, Koszalin, Kolobrzeg-Podezele	54.12N, 15.40E		
XE43836	19.09.2015	F 4	Russia, Fringilla	55.05N, 20.44E	I	100 days, 1219 km, 249°
	28.12.2015		Belgium, Oost-Vlaanderen, Kaprijke	51.13N, 3.37E		
XE44366	21.09.2015	M 3	Russia, Fringilla	55.05N, 20.44E	V	90 days, 159 km, 242°
	20.12.2015	M 4	Poland, Gdansk, Gdansk-Oliwa	54.25N, 18.32E		
XE46604	04.10.2015	M 3	Russia, Fringilla	55.05N, 20.44E	V	14 days, 763 km, 246°
	18.10.2015	M 4	Germany, Niedersachsen, Peine, Ilsede	52.15N, 10.10E		
XH10461	23.09.2010	F 3	Russia, Fringilla	55.05N, 20.44E	V	1478 days, 43 km, 46°
	10.10.2014	F 4	Lithuania, Silute, Ventes Ragas	55.21N, 21.13E		
XH35443	30.09.2011	M 3	Russia, Fringilla	55.05N, 20.44E	V	1470 days, 43 km, 46°
	09.10.2015	F 6	Lithuania, Silute, Ventes Ragas	55.21N, 21.13E		
XH70801	20.10.2011	F 3	Russia, Fringilla	55.05N, 20.44E	V	743 days, 43 km, 46°
	01.11.2013	F 4	Lithuania, Silute, Ventes Ragas	55.21N, 21.13E		
XH86696	21.09.2012	F 3	Russia, Fringilla	55.05N, 20.44E	V	266 days, 267 km, 326°
	14.06.2013	F 4	Sweden, Gotland, Tuviken, Fide	57.05N, 18.20E		
XH88029	24.09.2012	M 4	Russia, Fringilla	55.05N, 20.44E	V	198 days, 144 km, 254°
	10.04.2013	M 6	Poland, Gdansk, Jastarnia, Kuznicz	54.44N, 18.34E		
XH88832	27.09.2012	M 3	Russia, Fringilla	55.05N, 20.44E	V	559 days, 144 km, 254°
	09.04.2014	M 5	Poland, Gdansk, Jastarnia, Kuznicz	54.44N, 18.34E		
XH89674	29.09.2012	M 3	Russia, Fringilla	55.05N, 20.44E	V	195 days, 300 km, 254°
	12.04.2013	M 5	Poland, Szczecin, Darlowo, Dabkowice	54.20N, 16.15E		
XR01606	02.10.2013	M 3	Russia, Rybachy	55.09N, 20.51E	V	7 days, 127 km, 227°
	09.10.2013	M 3	Poland, Gdansk, Krynica Morska, Siekierki	54.22N, 19.24E		
XR01947	06.10.2013	M 3	Russia, Rybachy	55.09N, 20.51E	V	153 days, 437 km, 251°
	08.03.2014	M 5	Poland, Szczecin, Miedzzydroje, Warnica	53.53N, 14.26E		
XR04712	05.10.2013	M 4	Russia, Fringilla	55.05N, 20.44E		67 days, 735 km, 260°
	11.12.2013	M 3	Germany, Schleswig-Holstein, Itzehoe, Tonkuhle	53.57N, 9.30E	O Helgoland	82125876

XR06049	06.10.2013	F 3	Russia, Fringilla	55.05N, 20.44E	9 days, 285 km, 256°
	15.10.2013	F 3	Poland, Koszalin, Darlowo, Kopan	54.28N, 16.25E	
XR07780	16.10.2013	M 3	Russia, Fringilla	55.05N, 20.44E	15 days, 285 km, 256°
	31.10.2013	F 3	Poland, Koszalin, Darlowo, Kopan	54.28N, 16.25E	
XR08147	19.10.2013	F 3	Russia, Fringilla	55.05N, 20.44E	4 days, 118 km, 228°
	23.10.2013	F 3	Poland, Gdansk, Piszczek	54.22N, 19.22E	
XR08406	23.10.2013	M 3	Russia, Fringilla	55.05N, 20.44E	11 days, 281 km, 257°
	03.11.2013	M 3	Poland, Koszalin, Darlowo, Wicie	54.30N, 16.28E	
XR08976	25.10.2013	M 3	Russia, Fringilla	55.05N, 20.44E	107 days, 159 km, 242°
	09.02.2014	M 5	Poland, Gdansk, Gdansk-Oliwa	54.25N, 18.32E	
XR50376	15.06.2014	I 1	Russia, Kaliningrad, Courish Spit	55.05N, 20.44E	108 days, 117 km, 227°
	01.10.2014	M 3	Poland, Gdansk, Krynica Morska, Siekierki	54.22N, 19.24E	
XR50493	17.09.2014	M 3	Russia, Fringilla	55.05N, 20.44E	10 days, 117 km, 227°
	27.09.2014	M 3	Poland, Gdansk, Krynica Morska, Siekierki	54.22N, 19.24E	
XR50827	22.09.2014	M 3	Russia, Fringilla	55.05N, 20.44E	116 days, 561 km, 246°
	16.01.2015		Germany, Brandenburg, Zippelsforde	53.00N, 12.54E	
XR51746	27.09.2014	F 3	Russia, Fringilla	55.05N, 20.44E	361 days, 398 km, 35°
	23.09.2015	F 4	Estonia, Pärnumaa, Kabli	58.01N, 24.27E	
XR51803	27.09.2014	F 3	Russia, Fringilla	55.05N, 20.44E	43 days, 1121 km, 243°
	09.11.2014	F 3	Belgium, Liege, Spa	50.29N, 5.53E	
XR51934	27.09.2014	M 3	Russia, Fringilla	55.05N, 20.44E	427 days, 894 km, 250°
	28.11.2015	M 4	Germany, Münster, Lotte-Wersen	52.19N, 7.58E	
XR51953	27.09.2014	M 3	Russia, Fringilla	55.05N, 20.44E	3 days, 117 km, 227°
	30.09.2014	M 3	Poland, Gdansk, Krynica Morska, Siekierki	54.22N, 19.24E	
XR52410	28.09.2014	F 4	Russia, Fringilla	55.05N, 20.44E	188 days, 288 km, 44°
	04.04.2015	F 6	Latvia, Riga	57.00N, 24.09E	
XR52441	28.09.2014	M 3	Russia, Fringilla	55.05N, 20.44E	349 days, 300 km, 55°
	12.09.2015	M 2	Latvia, Kegums, Birzgale	56.38N, 24.40E	
XR52584	28.09.2014	F 3	Russia, Fringilla	55.05N, 20.44E	3 days, 117 km, 227°
	01.10.2014	F 3	Poland, Gdansk, Krynica Morska, Siekierki	54.22N, 19.24E	
XR52591	28.09.2014	F 3	Russia, Fringilla	55.05N, 20.44E	12 days, 448 km, 258°
	10.10.2014	F 3	Germany, Mecklenburg-Vorpommern, Greifswalder Oie	54.15N, 13.55E	

XR53186	01.10.2014	F 3	Russia, Fringilla	55.05N, 20.44E		142 days, 428 km, 252°
	20.02.2015	F 5	Poland, Szczecin, Miedzzyzdroje, Warnica	53.53N, 14.26E	V	
XR53565	02.10.2014	F 3	Russia, Fringilla	55.05N, 20.44E	V	3 days, 117 km, 227°
	05.10.2014	F 3	Poland, Gdansk, Krynica Morska, Siekierki	54.22N, 19.24E	V	
XR53678	02.10.2014	M 3	Russia, Fringilla	55.05N, 20.44E	V	3 days, 117 km, 227°
	05.10.2014	M 3	Poland, Gdansk, Krynica Morska, Siekierki	54.22N, 19.24E	V	
XR54133	18.09.2014	M 3	Russia, Rybachy	55.09N, 20.51E	V	235 days, 32 km, 46°
	11.05.2015	M 3	Lithuania, Šilute, Ventes Ragas	55.21N, 21.13E	V	
XR54670	01.10.2014	F 3	Russia, Rybachy	55.09N, 20.51E	V	3 days, 120 km, 225°
	04.10.2014	M 3	Poland, Gdansk, Krynica Morska, Lesniczowka	54.23N, 19.32E	V	
XR54885	05.10.2014	F 3	Russia, Rybachy	55.09N, 20.51E	V	6 days, 127 km, 227°
	11.10.2014	F 3	Poland, Gdansk, Krynica Morska, Siekierki	54.22N, 19.24E	V	
XR55685	14.10.2014	F 3	Russia, Rybachy	55.09N, 20.51E	V	16 days, 159 km, 236°
	30.10.2014	F 3	Poland, Gdansk, Gorki Wschodnie	54.21N, 18.48E	V	
XR55783	16.10.2014	F 3	Russia, Rybachy	55.09N, 20.51E	xG	60 days, 470 km, 251°
	15.12.2014	F 3	Germany, Mecklenburg-Vorpommern, Greifswald	53.46N, 13.58E	xG	
XR60803	03.10.2014	F 3	Russia, Fringilla	55.05N, 20.44E	V	5 days, 117 km, 227°
	08.10.2014	F 3	Poland, Gdansk, Krynica Morska, Siekierki	54.22N, 19.24E	V	
XR60884	03.10.2014	M 3	Russia, Fringilla	55.05N, 20.44E	xG	46 days, 473 km, 271°
	18.11.2014	M 3	Sweden, Skåne, Hasselgangen, Eslov	55.10N, 13.17E	xG	
XR61003	04.10.2014	M 3	Russia, Fringilla	55.05N, 20.44E	V	41 days, 671 km, 237°
	14.11.2014	M 4	Germany, Sachsen-Anhalt, Dessau-Rosslau	51.49N, 12.12E	V	
XR61268	04.10.2014	F 4	Russia, Fringilla	55.05N, 20.44E	V	36 days, 1017 km, 251°
	09.11.2014	F 4	Netherlands, Gelderland, Voorst, Klarenbeek	52.10N, 6.06E	V	
XR61744	05.10.2014	M 3	Russia, Fringilla	55.05N, 20.44E	V	150 days, 655 km, 250°
	04.03.2015	M 5	Germany, Lüneburg, Lichow-Dannenberg, Grippel	53.04N, 11.17E	V	
XR62500	08.10.2014	M 3	Russia, Fringilla	55.05N, 20.44E	V	494 days, 437 km, 227°
	14.02.2016	M 6	Poland, Poznan, Poznan-Gunwald	52.24N, 15.52E	V	
XR62687	08.10.2014	F 4	Russia, Fringilla	55.05N, 20.44E	V	384 days, 957 km, 251°
	27.10.2015	F 4	Netherlands, Overijssel, Losser, Overdinkel	52.14N, 7.01E	V	
XR62873	09.10.2014	F 3	Russia, Fringilla	55.05N, 20.44E	V	372 days, 398 km, 35°
	16.10.2015	F 4	Estonia, Pärnumaa, Kabli	58.01N, 24.27E	V	

XR62951	09.10.2014	M 3	Russia, Fringilla	55.05N, 20.44E		7 days, 299 km, 295°
	16.10.2015	M 3	Sweden, Öland, Ottenby	56.12N, 16.24E	V	
XR63943	11.10.2014	M 3	Russia, Fringilla	55.05N, 20.44E	V	7 days, 117 km, 227°
	18.10.2014	M 3	Poland, Gdansk, Krynica Morska, Siekierki	54.22N, 19.24E	V	
XR64155	12.10.2014	F 3	Russia, Fringilla	55.05N, 20.44E	V	155 days, 448 km, 258°
	16.03.2015	F 5	Germany, Mecklenburg-Vorpommern, Greifswalder Oie	54.15N, 13.55E	V	
XR64256	12.10.2014	M 3	Russia, Fringilla	55.05N, 20.44E	V	9 days, 117 km, 227°
	21.10.2014	M 3	Poland, Gdansk, Krynica Morska, Siekierki	54.22N, 19.24E	V	
XR64791	13.10.2014	F 4	Russia, Fringilla	55.05N, 20.44E	V	5 days, 117 km, 227°
	18.10.2014	F 4	Poland, Gdansk, Krynica Morska, Siekierki	54.22N, 19.24E	V	
XR65572	14.10.2014	F 4	Russia, Fringilla	55.05N, 20.44E	V	12 days, 300 km, 254°
	26.10.2014	F 4	Poland, Koszalin, Darlowo, Dabkowice	54.20N, 16.15E	V	
XR65890	15.10.2014	M 3	Russia, Fringilla	55.05N, 20.44E	V	147 days, 141 km, 216°
	11.03.2015	M 5	Poland, Elblag, Markusy, Zolwintec	54.03N, 19.27E	V	
XR66179	18.10.2014	F 3	Russia, Fringilla	55.05N, 20.44E	V	55 days, 152 km, 258°
	12.12.2014	F 3	Poland, Gdansk, Wladyslawowo	54.48N, 18.24E	V	
XR66581	21.10.2014	M 4	Russia, Fringilla	55.05N, 20.44E	V	370 days, 43 km, 46°
	26.10.2015	M 4	Lithuania, Silute, Ventes Ragas	55.21N, 21.13E	V	
XR66833	23.10.2014	F 4	Russia, Fringilla	55.05N, 20.44E	V	93 days, 159 km, 241°
	24.01.2015	F 6	Poland, Gdansk, Gdansk-Niedziednik	54.23N, 18.34E	V	
XR66965	23.10.2014	M 4	Russia, Fringilla	55.05N, 20.44E	(+)	25 days, 578 km, 241°
	17.11.2014	M 4	Germany, Brandenburg, Brieselang	52.35N, 13.00E		
XZ14931	18.09.2013	M 3	Russia, Fringilla	55.05N, 20.44E	V	16 days, 300 km, 254°
	04.10.2013	M 3	Poland, Szczecin, Darlowo, Dabkowice	54.20N, 16.15E	V	
XZ15571	25.09.2013	F 3	Russia, Fringilla	55.05N, 20.44E	V	98 days, 1192 km, 248°
	01.01.2014	F 5	Belgium, Oost-Vlaanderen, Moerzeke	51.04N, 4.10E	V	
XZ16156	01.10.2013	M 3	Russia, Fringilla	55.05N, 20.44E	V	386 days, 300 km, 254°
	22.10.2014	F 4	Poland, Koszalin, Darlowo, Dabkowice	54.20N, 16.15E	V	
XZ16892	04.10.2013	F 3	Russia, Fringilla	55.05N, 20.44E	V	389 days, 120 km, 9°
	28.10.2014	F 3	Latvia, Liepaja	56.09N, 21.01E	V	

14900. <i>Remiz pendulinus</i>, Penduline Tit (2)									
XR46910	09.07.2014	I	3	Russia, Rybachy	55.09N, 20.51E	V		98 days, 1602 km, 204°	
	15.10.2014	I	3	Italy, Roma, Ladispoli, T.Re Flava	41.57N, 12.04E	V			
XR47469	31.07.2014	I	3	Russia, Rybachy	55.09N, 20.51E	V		80 days, 1369 km, 218°	
	19.10.2014	I	3	Italy, Milano, C.Na Boscaccio, Gaggiano	45.24N, 9.04E	V			
15820. <i>Sturnus vulgaris</i>, Starling (7)									
- 634312	02.07.1978	M	3	Russia, Fringilla	55.05N, 20.44E	V		14 days, 42 km, 45°	
	16.07.1978	I	3	Lithuania, Silute, Ventės Ragas	55.21N, 21.12E	V			
- 636447	07.07.1978	M	3	Russia, Fringilla	55.05N, 20.44E	V		9 days, 42 km, 45°	
	16.07.1978	I	3	Lithuania, Silute, Ventės Ragas	55.21N, 21.12E	V			
R044961	05.10.1966	F	3	Russia, Fringilla	55.05N, 20.44E	+		00 days, 1224 km, 249°	
	01-30.11.1966			Belgium, Oost-Vlaanderen, Sint Margriete	51.17N, 3.33E	+			
TA47536	23.06.2009	M	3	Russia, Fringilla	55.05N, 20.44E	V		2288 days, 29 km, 35°	
	28.09.2015	M	6	Lithuania, Neringa, Nida	55.18N, 21.00E	V			
TC02335	25.06.2015	F	3	Russia, Fringilla	55.05N, 20.44E	+		189 days, 1653 km, 246°	
	31.12.2015			France, Manche, Monthuchon	49.05N, 1.25W	+			
TC02620	27.06.2015	F	3	Russia, Fringilla	55.05N, 20.44E	+		132 days, 1380 km, 249°	
	06.11.2015			France, Pas-de-Calais, Etaple, Baie de Canche	50.33N, 1.36E	+			
XA326373	11.07.1977	M	3	Russia, Fringilla	55.05N, 20.44E			46 days, 42 km, 45°	
	26.08.1977	I	3	Lithuania, Silute, Ventės Ragas	55.21N, 21.12E		& 71N66 Lithuania, Kaunas		
16360. <i>Fringilla coelebs</i>, Chaffinch (5)									
KS47433	29.09.2012	M	3	Russia, Fringilla	55.05N, 20.44E	V		391 days, 1112 km, 243°	
	25.10.2013	M	4	Belgium, Liege, Jalhay	50.34N, 5.57E	V			
KS67277	22.08.2014	M	3	Russia, Fringilla	55.05N, 20.44E	xG		258 days, 535 km, 282°	
	07.05.2015			Denmark, Hovedstaden	56.06N, 12.24E	xG			
KS67393	24.09.2014	M	3	Russia, Fringilla	55.05N, 20.44E	+K		281 days, 448 km, 23°	
	02.07.2015			Estonia, Laane, Ridala, Saardu	58.48N, 23.36E	+K			
KS67442	24.09.2014	F	3	Russia, Fringilla	55.05N, 20.44E	+M		244 days, 922 km, 28°	
	26.05.2015			Finland, Kuopio, Leppavirta, Niinimäki	62.26N, 28.10E	+M			
XH81385	12.10.2012	M	4	Russia, Fringilla	55.05N, 20.44E	xG		1179 days, 996 km, 239°	
	04.01.2016	M	6	Germany, Hessen, Hadamar	50.27N, 8.03E	xG			

16380. <i>Fringilla montifringilla</i>, Brambling (1)									
X843693	10.04.1960	M	4	Russia, Rybachy France, Bas-Rhin, Valff	55.09N, 20.51E 48.25N, 7.31E	xA	00 days, 1183 km, 23°		
16490. <i>Carduelis chloris</i>, Greenfinch (2)									
N00632	07.10.2012	M	3	Russia, Fringilla	55.05N, 20.44E		510 days, 817 km, 239°		
	01.03.2014	M	6	Germany, Erfurt, Westerwald	51.17N, 10.14E	(?)			
KS11231	29.04.2008	M	5	Russia, Rybachy	55.09N, 20.51E	x	1732 days, 719 km, 236°		
	25.01.2013			Germany, Sachsen-Anhalt, Halle-Dolau	51.31N, 11.53E				
16540. <i>Carduelis spinus</i>, Siskin (11)									
XE41458	17.08.2015	M	3	Russia, Fringilla	55.05N, 20.44E		147 days, 1394 km, 257°		
	11.01.2016	M	5	Great Britain, Norfolk, Thetford, Mackenzie Road	52.24N, 0.43E	V			
XE41658	22.08.2015	M	3	Russia, Fringilla	55.05N, 20.44E	V	57 days, 1396 km, 225°		
	18.10.2015	M	3	Switzerland, Valais, Col de Bretolet	46.09N, 6.48E				
XE42814	06.09.2015	M	3	Russia, Fringilla	55.05N, 20.44E	V	176 days, 1060 km, 233°		
	29.02.2016	M		Germany, Rheinland-Pfalz, Harthausen	49.18N, 8.21E				
XP31002	27.09.2008	M	4	Russia, Fringilla	55.05N, 20.44E		473 days, 2908 km, 231°		
	13.01.2010			Portugal, Estremadura, Lisboa, Parque De Monsanto	38.43N, 9.10W	V			
XR10200	22.04.2014	M	5	Russia, Fringilla	55.05N, 20.44E	V	336 days, 809 km, 231°		
	24.03.2015	M		Germany, Erfurt, Lehesten, Saalfeld-Rudolfstadt	59.28N, 11.26E				
XR51084	22.09.2014	M	3	Russia, Fringilla	55.05N, 20.44E	V	51 days, 757 km, 213°		
	12.11.2014	M		Czech Republic, Jihoceky, Tabor	49.21N, 14.43E				
XR63419	10.10.2014	F	3	Russia, Fringilla	55.05N, 20.44E	+K	203 days, 675 km, 4°		
	01.05.2015			Finland, Turku-Pori, Rauma, Vanhalahti	61.09N, 21.29E				
XR69117	17.06.2015	M	5	Russia, Fringilla	55.05N, 20.44E	V	250 days, 788 km, 286°		
	22.02.2016	M	6	Denmark, Jylland, Thisted, Klitmoller	57.02N, 8.31E				
XR72939	25.06.2015	M	2	Russia, Fringilla	55.05N, 20.44E	V	106 days, 1133 km, 206°		
	09.10.2015	M	4	Slovenia, Nova Gorica, Bilje	45.56N, 13.39E				
XZ12020	02.05.2013	M	5	Russia, Fringilla	55.05N, 20.44E	V	811 days, 485 km, 302°		
	22.07.2015	M	4	Sweden, Jonkoping, Skillingaryd, Dammet	57.25N, 14.06E				
XZ13479	09.07.2013	M	3	Russia, Fringilla	55.05N, 20.44E	xG	971 days, 851 km, 232°		
	06.03.2016			Germany, Bayern, Coburg, Heldritt	50.21N, 10.47E				

16660. <i>Loxia curvirostra</i>, Common Crossbill (1)									
TA80826	17.06.2013	M	3	Russia, Fringilla			55.05N, 20.44E		
	28.09.2015	M		Austria, Oberösterreich, Hongar			47.55N, 13.42E	V	833 days, 933 km, 211°
16790. <i>Carpodacus erythrinus</i>, Scarlet Rosefinch (2)									
XR46862	07.07.2014	I	3	Russia, Rybachy			55.09N, 20.51E		
	11.06.2015			Lithuania, Šilute, Ventės Ragas			55.21N, 21.12E	V	339 days, 31 km, 45°
XR68826	19.05.2015	I	4	Russia, Fringilla			55.05N, 20.44E		
	23.05.2015	I	4	Lithuania, Šilute, Ventės Ragas			55.21N, 21.13E	V	4 days, 43 km, 46°
Controls of birds ringed outside the Courish Spit									
01590. <i>Anser albifrons</i>, Whitefront (1)									
7139902	Netherlands, Arnhem				06.01.2011	F	6	Netherlands, Utrecht, Eemdijk, Bikkerspolder	52.12N, 5.21E
					23.03.2015			Russia, Kaliningrad reg., Slavsk	55.07N, 21.12E
									+ 1537 days, 1093 km, 73°
10990. <i>Erithacus rubecula</i>, European Robin (2)									
TN26994	Czech Republic, Prague	19.11.2014	I	3	Czech Republic, Stredocesky a Praha, Troja			50.07N, 14.25E	
		12.10.2015	I	3	Russia, Rybachy			55.09N, 20.51E	V
CV02131	Sweden, Stockholm	11.04.2014	I	5	Sweden, Öland, Ottenby			56.12N, 16.24E	
		27.04.2015	I	4	Russia, Rybachy			55.09N, 20.51E	+K
11220. <i>Phoenicurus phoenicurus</i>, Common Redstart (1)									
MC3391	Spain, Madrid (Icona)	05.10.2011	F	3	Spain, Mallorca, Archipelago De Cabrera			39.09N, 2.56E	
		05.05.2012	F	5	Russia, Rybachy			55.09N, 20.51E	& XH77637
									213 days, 2234 km, 37°
12510. <i>Acrocephalus scirpaceus</i>, Eurasian Reed Warbler (2)									
11732206	Belgium, Bruxelles	25.08.2010	I	3	Luxembourg, Remerschen			49.29N, 6.21E	
		29.05.2011	I	4	Russia, Rybachy			55.09N, 20.51E	& XH37056
									277 days, 1169 km, 57°
K5P2793	Poland, Gdansk	11.06.2014	F	4	Poland, Pomorskie, Krynica Morska, Latarnia			54.23N, 19.27E	
		17.07.2015	I	4	Russia, Rybachy			55.09N, 20.51E	V
									401 days, 124 km, 46°
12530. <i>Acrocephalus arundinaceus</i>, Great Reed Warbler (1)									
ZA41792	Czech Republic, Prague	15.08.2014	I	3	Czech Republic, Gorwaldov, Zlinsky, Biscupice			49.05N, 17.49E	
		22.06.2015	M	4	Russia, Rybachy			55.09N, 20.51E	V
									311 days, 705 km, 17°

12750. <i>Sylvia communis</i>, Whitethroat (1)									
K401430	Hungary, Budapest	11.05.2014	F 6	Hungary, Komaron, Naszaly	47.42N, 18.16E				382 days, 847 km, 12°
		28.05.2015	I 4	Russia, Rybachy	55.09N, 20.51E	V			
12770. <i>Sylvia atricapilla</i>, Blackcap (1)									
S341551	Slovakia Bratislava	18.04.2015	M 6	Slovakia, Banska Bystrica, Mikosavce, Lucenec	49.04N, 18.12E				46 days, 700 km, 15°
		03.06.2015	M 6	Russia, Rybachy	55.09N, 20.51E	V			
13120. <i>Phylloscopus trochilus</i>, Willow Warbler (1)									
KY0024	Spain, Madrid (SEO)	28.04.2011	I 4	Spain, Menorca, Sant Lluís, Illa de L'Aire	39.51N, 4.15E				8 days, 2097 km, 36°
		06.05.2011	I 4	Russia, Fringilla	55.05N, 20.44E	&	VN16633		
13140. <i>Regulus regulus</i>, Goldcrest (4)									
P91719	Denmark, Copenhagen	17.10.2014	M 3	Denmark, Seeland, Sydfalster, Gedser	54.34N, 11.58E				180 days, 572 km, 83°
		15.04.2015	M 5	Russia, Rybachy	55.09N, 20.51E	V			
R05027	Denmark, Copenhagen	17.10.2014	M 2	Denmark, Jylland, Blavandshuk, Ribe Amt,	55.33N, 8.05E				
		10.04.2015	F 5	Blavand Russia, Fringilla	55.05N, 20.44E	V			175 days, 801 km, 94°
SX2251	Sweden, Stockholm	20.09.2014	F 3	Sweden, Skåne, Skurup, Bingsmarken	55.23N, 12.30E				202 days, 529 km, 93°
		10.04.2015	F 5	Russia, Rybachy	55.09N, 20.51E	V			
TB9044	Sweden, Stockholm	05.10.2014	M 3	Sweden, Uppland, Svenska Högarna	59.27N, 19.30E				
		27.03.2015	M 5	Russia, Rybachy	55.09N, 20.51E	&	VF28901		173 days, 485 km, 170°
14610. <i>Parus ater</i>, Coal Tit (5)									
J180792	Latvia, Riga	24.09.2015	I 3	Latvia, Liepaja, Pape	56.09N, 21.01E				1 day, 120 km, 189°
		25.09.2015	M 3	Russia, Fringilla	55.05N, 20.44E	V			
XE53862	Lithuania, Kaunas	19.09.2015	I 3	Lithuania, Šilute, Ventes Ragas	55.21N, 21.12E				2 days, 42 km, 225°
		21.09.2015	M 3	Russia, Fringilla	55.05N, 20.44E	V			
XE53924	Lithuania, Kaunas	19.09.2015	I 3	Lithuania, Šilute, Ventes Ragas	55.21N, 21.12E				1 day, 47 km, 225°
		20.09.2015	F 3	Russia, Fringilla	55.05N, 20.44E	V			
XE59558	Lithuania, Kaunas	19.09.2015	I 3	Lithuania, Šilute, Ventes Ragas	55.21N, 21.12E				1 day, 42 km, 225°
		20.09.2015	F 3	Russia, Fringilla	55.05N, 20.44E	V			
XE62316	Lithuania, Kaunas	28.09.2015	I 3	Lithuania, Šilute, Ventes Ragas	55.21N, 21.12E				5 days, 42 km, 225°
		03.10.2015	F 3	Russia, Fringilla	55.05N, 20.44E	V			

14620. <i>Parus caeruleus</i>, Blue Tit (13)									
5476812	France, Paris	F	4	13.11.2012	France, Herault, Bagnas	43.19N, 3.31E			
		F	3	20.04.2013	Russia, Fringilla	55.05N, 20.44E	& XZ11458	158 days, 1809 km, 44°	
VF14441	Lithuania, Kaunas	M	3	16.09.2012	Lithuania, Šilute, Ventes Ragas	55.21N, 21.12E			
		F	4	25.09.2015	Russia, Fringilla	55.05N, 20.44E	V	1104 days, 42 km, 225°	
VJ08138	Lithuania, Kaunas	I	3	20.06.2014	Lithuania, Šilute, Ventes Ragas	55.21N, 21.12E			
		F	5	03.04.2015	Russia, Fringilla	55.05N, 20.44E	V	287 days, 42 km, 225°	
VJ15806	Lithuania, Kaunas	M	3	14.09.2014	Lithuania, Šilute, Ventes Ragas	55.21N, 21.12E			
		M	5	28.03.2015	Russia, Rybachy	55.09N, 20.51E	V	195 days, 31 km, 225°	
VJ21239	Lithuania, Kaunas	F	4	28.09.2014	Lithuania, Šilute, Ventes Ragas	55.21N, 21.12E			
		F	4	03.10.2015	Russia, Fringilla	55.05N, 20.44E	V	370 days, 42 km, 225°	
VJ22225	Lithuania, Kaunas	F	3	29.09.2014	Lithuania, Šilute, Ventes Ragas	55.21N, 21.12E			
		F	4	26.09.2015	Russia, Fringilla	55.05N, 20.44E	V	362 days, 42 km, 225°	
VJ51590	Lithuania, Kaunas	M	3	17.09.2015	Lithuania, Šilute, Ventes Ragas	55.21N, 21.12E			
		F	3	19.09.2015	Russia, Fringilla	55.05N, 20.44E	V	2 days, 42 km, 225°	
VJ54818	Lithuania, Kaunas	F	3	22.09.2015	Lithuania, Šilute, Ventes Ragas	55.21N, 21.12E			
		F	3	26.09.2015	Russia, Fringilla	55.05N, 20.44E	V	4 days, 42 km, 225°	
VJ55778	Lithuania, Kaunas	M	3	22.09.2015	Lithuania, Šilute, Ventes Ragas	55.21N, 21.12E			
		F	3	25.09.2015	Russia, Fringilla	55.05N, 20.44E	V	3 days, 42 km, 225°	
VJ60163	Lithuania, Kaunas	F	3	28.09.2015	Lithuania, Šilute, Ventes Ragas	55.21N, 21.12E			
		F	3	03.10.2015	Russia, Fringilla	55.05N, 20.44E	V	5 days, 42 km, 225°	
VJ60346	Lithuania, Kaunas	F	3	28.09.2015	Lithuania, Šilute, Ventes Ragas	55.21N, 21.12E			
		F	3	03.10.2015	Russia, Fringilla	55.05N, 20.44E	V	5 days, 42 km, 225°	
VS18451	Lithuania, Kaunas	F	3	25.09.2015	Lithuania, Neringa, Joudkrante, Gaudykle	55.34N, 21.06E			
		F	3	26.09.2015	Russia, Fringilla	55.05N, 20.44E	V	1 day, 58 km, 203°	
VS18456	Lithuania, Kaunas	F	3	25.09.2015	Lithuania, Neringa, Joudkrante, Gaudykle	55.34N, 21.06E			
		F	3	27.09.2015	Russia, Fringilla	55.05N, 20.44E	V	2 days, 58 km, 203°	
14640. <i>Parus major</i>, Great Tit (6)									
VA92543	Estonia, Matsalu	M	3	05.10.2013	Estonia, Pärnumaa, Kabli	58.01N, 24.27E			
		M	3	17.10.2013	Russia, Fringilla	55.05N, 20.44E	& XR07831	12 days, 398 km, 215°	
VA95400	Estonia, Matsalu	F	4	04.10.2015	Estonia, Pärnumaa, Kabli	58.01N, 24.27E			
		F	4	10.10.2015	Russia, Fringilla	55.05N, 20.44E	V	6 days, 398 km, 215°	

VJ50934	Lithuania, Kaunas	15.09.2015	F 4	Lithuania, Šilute, Ventės Ragas	55.21N, 21.12E	1 day, 31 km, 225°
		16.09.2015	F 3	Russia, Rybachy	55.09N, 20.51E	V
VJ56586	Lithuania, Kaunas	23.09.2015	F 3	Lithuania, Šilute, Ventės Ragas	55.21N, 21.12E	2 days, 42 km, 225°
		25.09.2015	F 3	Russia, Fringilla	55.05N, 20.44E	V
VS17563	Lithuania, Kaunas	18.10.2015	F 3	Lithuania, Neringa, Joudkrante, Gaudykle	55.34N, 21.06E	7 days, 58 km, 203°
		25.10.2015	F 3	Russia, Fringilla	55.05N, 20.44E	V
K9L2309	Poland, Gdansk	06.10.2013	M 2	Poland, Gdansk, Krynica Morska, Siekierki	54.22N, 19.23E	729 days, 128 km, 47°
		05.10.2015	M 4	Russia, Rybachy	55.09N, 20.51E	V
15820. <i>Sturnus vulgaris</i>, Starling (12)						
KA36651	Lithuania, Kaunas	21.05.2015	I 1	Lithuania, Taurages, Ringaliai	55.25N, 22.22E	44 days, 110 km, 250°
		04.07.2015	I 3	Russia, Fringilla	55.05N, 20.44E	(+)
KH07467	Lithuania, Kaunas	10.06.2015	F 3	Lithuania, Šilute, Ventės Ragas	55.21N, 21.12E	15 days, 42 km, 225°
		25.06.2015	M 3	Russia, Fringilla	55.05N, 20.44E	V
KH08819	Lithuania, Kaunas	10.06.2015	F 3	Lithuania, Šilute, Ventės Ragas	55.21N, 21.12E	12 days, 42 km, 225°
		22.06.2015	F 3	Russia, Fringilla	55.05N, 20.44E	V
KH11198	Lithuania, Kaunas	14.06.2015	F 3	Lithuania, Šilute, Ventės Ragas	55.21N, 21.12E	5 days, 42 km, 225°
		19.06.2015	M 3	Russia, Fringilla	55.05N, 20.44E	V
KH11649	Lithuania, Kaunas	15.06.2015	M 3	Lithuania, Šilute, Ventės Ragas	55.21N, 21.12E	10 days, 42 km, 225°
		25.06.2015	M 3	Russia, Fringilla	55.05N, 20.44E	V
KH11781	Lithuania, Kaunas	15.06.2015	F 3	Lithuania, Šilute, Ventės Ragas	55.21N, 21.12E	11 days, 42 km, 225°
		26.06.2015	F 3	Russia, Fringilla	55.05N, 20.44E	V
KH12903	Lithuania, Kaunas	16.06.2015	M 3	Lithuania, Šilute, Ventės Ragas	55.21N, 21.12E	7 days, 42 km, 225°
		23.06.2015	M 3	Russia, Fringilla	55.05N, 20.44E	V
KH17936	Lithuania, Kaunas	20.06.2015	M 3	Lithuania, Šilute, Ventės Ragas	55.21N, 21.12E	9 days, 42 km, 225°
		29.06.2015	M 3	Russia, Fringilla	55.05N, 20.44E	V
KH18092	Lithuania, Kaunas	20.06.2015	I 3	Lithuania, Šilute, Ventės Ragas	55.21N, 21.12E	5 days, 42 km, 225°
		25.06.2015	M 3	Russia, Fringilla	55.05N, 20.44E	V
KH18355	Lithuania, Kaunas	21.06.2015	F 3	Lithuania, Šilute, Ventės Ragas	55.21N, 21.12E	4 days, 42 km, 225°
		25.06.2015	F 3	Russia, Fringilla	55.05N, 20.44E	V

KH20046	Lithuania, Kaunas	21.06.2015	F 3	Lithuania, Šilute, Ventės Ragas	55.21N, 21.12E	6 days, 42 km, 225°
		27.06.2015	F 3	Russia, Fringilla	55.05N, 20.44E	V
KH27109	Lithuania, Kaunas	28.06.2015	F 3	Lithuania, Šilute, Ventės Ragas	55.21N, 21.12E	2 days, 42 km, 225°
		30.06.2015	F 3	Russia, Fringilla	55.05N, 20.44E	V
16360. <i>Fringilla coelebs</i>, Chaffinch (2)						
VS09753	Lithuania, Kaunas	30.09.2015	M 3	Lithuania, Neringa	55.34N, 21.06E	0 days, 59 km, 203°
		30.09.2015	M 4	Russia, Fringilla	55.05N, 20.44E	V
XP46804	Russia, Moskva	06.10.2008	M 4	Russia, Leningrad Region, Gumberitsy	60.41N, 32.57E	919 days, 953 km, 229°
		13.04.2011	M 6	Russia, Fringilla	55.05N, 20.44E	V
16490. <i>Carduelis chloris</i>, Greenfinch (1)						
TV12973	Lithuania, Kaunas	28.03.2014	F 5	Lithuania, Šilute, Ventės Ragas	55.21N, 21.12E	416 days, 42 km, 225°
		18.05.2015	M 6	Russia, Fringilla	55.05N, 20.44E	V
16540. <i>Carduelis spinus</i>, Siskin (3)						
J180149	Latvia, Riga	15.09.2015	M 3	Latvia, Liepaja, Pape	56.09N, 21.01E	1 day, 120 km, 189°
		16.09.2015	M 3	Russia, Fringilla	55.05N, 20.44E	V
XX46394	Lithuania, Kaunas	15.09.2015	F 3	Lithuania, Joudkrante, Neringa	55.34N, 21.06E	0 days, 59 km, 203°
		15.09.2015	F 3	Russia, Fringilla	55.05N, 20.44E	V
XX47262	Lithuania, Kaunas	16.09.2015	M 3	Lithuania, Joudkrante, Neringa	55.34N, 21.06E	0 days, 59 km, 203°
		16.09.2015	M 3	Russia, Fringilla	55.05N, 20.44E	V