

Bird Nr	coordinate E or W (-)	coordinate N	Country	Reference	Database	Recorder	Remarks
1	30,4005	64,1097	Finland	XC428184	xeno-canto	Aladdin	
2	8,8825	49,0230	Germany	XC254143	xeno-canto	Frank Holzapfel	
3	8,2593	47,5095	Switzerland	XC357167	xeno-canto	NM	
4	-2,0397	50,8068	UK	XC324220	xeno-canto	Frank Lambert	
5	-1,5689	51,1893	UK	XC324234	xeno-canto	Frank Lambert	
6	6,2243	46,1595	Switzerland	XC136244	xeno-canto	Bram Piot	
7	20,3735	63,9334	Sweden	XC426013	xeno-canto	Lars Edenius	
8	47,9998	55,6585	Russia	XC194195	xeno-canto	Albert Lastukhin	
9	29,8950	59,7650	Russia	XC56127	xeno-canto	Sergey Slyusarev	
10	-1,5689	50,8372	UK	XC324235	xeno-canto	Frank Lambert	
11	13,8104	52,3337	Germany	XC246854	xeno-canto	Sonnenburg	
12	6,2243	46,1595	Switzerland	XC26656	xeno-canto	Bram Piot	
13	6,8761	45,9370	France	XC426007	xeno-canto	Bram Piot	
14	21,7574	60,7432	Finland	XC163453	xeno-canto	Tero Linjama	
15	47,1868	56,0808	Russia	XC139395	xeno-canto	Albert Lastukhin	
16	-3,4215	56,8906	UK	XC24948	xeno-canto	Stuart Fisher	ind. 1
17	46,6164	55,4843	Russia	XC139149	xeno-canto	Albert Lastukhin	
18	47,4319	55,3987	Russia	XC146514	xeno-canto	Albert Lastukhin	
19	47,1364	56,9061	Russia	XC132222	xeno-canto	Albert Lastukhin	
20	-3,8881	56,8396	UK	XC24948	xeno-canto	Stuart Fisher	ind. 2
21	6,1729	51,5068	Netherlands	XC318312	xeno-canto	Rob van Bemmelen	
22	15,5031	50,7948	Poland	XC132699	xeno-canto	Jarek Matusiak	
23	20,5365	52,3930	Poland	XC188935	xeno-canto	Jarek Matusiak	
24	12,5667	56,4334	Sweden	XC416186	xeno-canto	Niels Krabbe	
25	47,8379	56,4670	Russia	XC187585	xeno-canto	Albert Lastukhin	
26	55,1651	53,4344	Russia	XC316888	xeno-canto	Albert Lastukhin	
27	-2,5208	50,7825	UK	XC103119 & https://observation.org/waameming/view/142404579	xeno-canto	Stuart Fisher	
28	46,2955	56,3753	Russia	XC133148	xeno-canto	Albert Lastukhin	
29	14,7405	58,4278	Sweden	XC153210	xeno-canto	Patrik Åberg	
30	19,1154	68,7011	Norway	XC156601	xeno-canto	Stein Ø. Nilsen	
31	5,9068	52,0704	Netherlands	XC377846	xeno-canto	Joost van Bruggen	
32	16,0757	65,9706	Sweden	XC198128	xeno-canto	Rob van Bemmelen	
33	53,3778	51,5470	Russia	XC142379	xeno-canto	Albert Lastukhin & Petr Omelchenko	
34	-1,4523	52,9269	UK	XC414853	xeno-canto	Dominic Garcia-Hall	
35	9,7435	61,5298	Norway	XC240715	xeno-canto	Terje Kolaas	
36	24,3453	42,5792	Bulgaria	XC374399	xeno-canto	Nikolay Sariev	
37	5,8947	44,7358	France	XC270190	xeno-canto	Peter Boesman	
38	13,7141	58,4278	Sweden	XC153209	xeno-canto	Patrik Åberg	
39	51,1005	36,3326	Iran	XC405283	xeno-canto	Patrik Åberg	
40	51,9830	36,2615	Iran	XC405281	xeno-canto	Patrik Åberg	
41	43,2842	41,3812	Georgia	XC142913	xeno-canto	Jarmo Pirhonen	
42	43,8315	41,3637	Georgia	XC142822	xeno-canto	Jarmo Pirhonen	
43	45,0993	42,1372	Georgia	XC299416	xeno-canto	NM	
44	29,1445	40,0892	Turkey	XC20303	xeno-canto	Stuart Fisher	
45	48,1923	40,6349	Azerbaijan	https://observation.org/sound/view/57982	observation.org	Jos van Oostveen	
46	48,5261	41,3643	Azerbaijan	110516_001	private	Thomas Stalling	
47	49,0743	40,9516	Azerbaijan	110516_002	private	Thomas Stalling	
48	48,0201	41,6798	Azerbaijan	110519_001	private	Thomas Stalling	
49	44,9228	41,0814	Georgia	XC299416	xeno-canto	NM	
50	82,7590	49,6338	Kazakhstan	no recording	private	Raffael Ayé	
51	82,7094	50,5317	Kazakhstan	B16h14m29s14jun2011	private	Raffael Ayé	
52	74,4928	42,5480	Kirgystan	XC312877	xeno-canto	RM	
53	7,6869	45,0703	Italy	http://www.omitho.it/index.php?m_id=54&mid=159908	omitho.it	Tommaso Renzulli	
54	7,1643	44,5681	Italy	http://www.omitho.it/index.php?m_id=54&mid=20591	omitho.it	Simona Inaudi	
55	9,8982	45,5958	Italy	XC318770	xeno-canto	Francesco Sottile	ind. 2
56	10,7864	45,7249	Italy	XC421973	xeno-canto	Giuseppe Speranza	
57	10,7864	45,7249	Italy	XC422266	xeno-canto	Giuseppe Speranza	
58	13,7118	42,8270	Italy	XC318906	xeno-canto	Dimitri Marone	
59	13,7118	42,0253	Italy	XC378706	xeno-canto	Dimitri Marone	
60	11,2547	44,1391	Italy	XC118530	xeno-canto	Marco Dragonetti	
61	10,5790	43,4093	Italy	XC180302	xeno-canto	Leonardo Graziani	
62	16,7523	39,4204	Italy	XC254972	xeno-canto	Francesco Sottile	
63	11,7865	44,1066	Italy	http://www.birdsongs.it/songs/phoenicurus_phoenicurus/phoenicurus_phoenicurus.html	birdsongs.it	Marco Dragonetti	
64	16,5722	40,2940	Italy	http://www.omitho.it/index.php?m_id=54&mid=210304	omitho.it	Donato Lorusio	
65	11,9362	44,4082	Italy	https://www.youtube.com/watch?v=OhrSfIzrbM	youtube	Andrea70/video	
66	5,1262	43,8071	France	https://www.faune-paca.org/index.php?m_id=54&mid=27378	faune-paca.org	Sylvain Jaskowiak	
67	5,3954	43,8765	France	https://www.faune-paca.org/index.php?m_id=54&mid=7130	faune-paca.org	Sylvain Jaskowiak	
68	-6,8287	38,3031	Spain	XC279476	xeno-canto	José Carlos Sires	
69	-5,8645	37,8717	Spain	XC319562	xeno-canto	José Carlos Sires	
70	-5,8645	37,8717	Spain	XC319563	xeno-canto	José Carlos Sires	
71	2,4647	41,7730	Spain	XC379396	xeno-canto	Enric Fontcuberta	
72	3,6692	43,4888	France	https://www.faune-lr.org/index.php?m_id=54&mid=148439	faune-lr.org	Gérard Picotin	
73	11,2558	43,7696	Italy	https://www.youtube.com/watch?v=YwWMO4WvT4Y	youtube	Alessandro Landi	
74	9,4741	45,7312	Italy	https://www.youtube.com/watch?v=mLhIixvktVA	youtube	Enzo Baratta	
75	8,0000	46,9000	Switzerland	Phopho_180608_002_calls mainly male 1ximm	private	NM	
76	7,5117	47,5092	Switzerland	phopho_180608_001_calls mainly female	private	NM	
77	6,9725	47,4161	Switzerland	phopho_mai16_allschlL_call_VN860124_20160526	private	NM	
78	7,5117	47,5092	Switzerland	phopho_ad&pull call_20160601_Benken	private	NM	
79	7,0658	47,9183	Switzerland	phopho_20160526_call	private	NM	
80	7,5117	47,5092	Switzerland	phopho_20160321_Benken_call	private	NM	
81	7,5117	47,5092	Switzerland	phopho_20160601_call imm call nest	private	NM	
82	41,7459	43,4499	Russia	406 R2 - Gartenrotschwanz Phoenicurus phoenicurus - Alarm Kaukasus (Bergmann)	private	H-H. Bergmann	
83	24,8877	41,1295	Greece	Gartenrotschwanz sam.2	private	H-H. Bergmann	
84	9,6865	45,3528	Italy	IBC1228941	https://www.hbw.com/ibc	Pierandrea Bricchetti	
85	12,4537	41,8984	Italy	https://www.youtube.com/watch?v=g6Jgai9plw	youtube	nedo_s_nature	
86	11,3426	44,4949	Italy	https://www.youtube.com/watch?v=zSmaTBmEXsA	youtube	Paolo Taranto	
87	14,2750	55,6540	Sweden	XC80360	xeno-canto	Niels Krabbe	
88	20,3540	53,1178	Poland	XC249509	xeno-canto	Piotr Szczypinski	
89	17,6700	43,9000	Bosnia	https://www.youtube.com/watch?v=BBWMOOf9hFg	youtube	Adnan Zimić	
90	21,7914	61,0326	Finland	http://tarsiger.com/mp3/jawetus/2007_06_29_Vehmaa_phopho1_nayte.mp3	tarsiger	Tero Linjama	
91	26,0817	62,0980	Finland	http://tarsiger.com/mp3/jawetus/phopho002.mp3	tarsiger	Tero Linjama	
92	47,3415	41,2413	Azerbaijan	https://observation.org/waameming/view/137171414	observation.org	Jos van Oostveen	
93	8,6879	53,8593	Germany	https://observation.org/sound/1/70991.mp3	observation.org	Franck Hollander	
94	21,8950	52,8024	Poland	https://mdahlem.net	https://mdahlem.net	D. Wilczynska	
95	107,6852	48,1536	Mongolia	www.tierstimmen.org: Phoenicurus phoenicurus_V1687_06_short	tierstimmenarchiv	Dieter Walschläger	
96	14,0273	52,8519	Germany	www.tierstimmen.org: TSA:Phoenicurus phoenicurus_V_1776_12_1	tierstimmenarchiv	Günter Tembrock	ind. 1
97	8,6617	51,8831	Germany	www.tierstimmen.org: Phoenicurus phoenicurus_Co0143_06_short	tierstimmenarchiv	Klaus Konrads	
98	8,6617	51,8831	Germany	www.tierstimmen.org: Phoenicurus phoenicurus_Co0148_06_short	tierstimmenarchiv	Klaus Konrads	
99	25,5000	58,9000	Estonia	https://www.facebook.com/eero.kiuru.77/videos/214473139383291/	facebook	Eero Kiuru	
100	10,8453	51,0110	Germany	https://www.facebook.com/Protatio/videos/1814419588586443/	facebook	Rudolf Eberhard Neuber	
101	9,7314	44,6337	Italy	https://www.facebook.com/valgotrabagana/videos/891448974293881/	facebook	ValGotraBagana.it	
102	12,6200	42,8065	Italy	https://www.facebook.com/guido.larovere/videos/10212892415214798/	facebook	Guido La Rovere	
103	8,9105	45,4736	Italy	https://www.facebook.com/mariarita.gelso/videos/1344149535682041/	facebook	Maria Rita Gelso	
104	14,0344	40,9555	Italy	https://www.facebook.com/100009042987967/videos/1942053489439398/	facebook	Franco Francesco	
105	12,9896	43,5059	Italy	https://www.facebook.com/143744275663295/videos/1429457090425334/	facebook	John Stom	
106	11,5808	43,5804	Italy	https://www.facebook.com/stefano.conficoni.9/videos/10213361499730140/	facebook	Stefano Conficoni	
107	-2,4200	38,5000	Spain	https://www.facebook.com/groups/avesiberia/permalink/1471194662926625/	facebook	Manolo Salas	
108	76,9700	43,0600	Kazakhstan	140515_05_24_20_KZ_Gartenrotschwanz-G-Q3_RM_LS_33610	private	RM	
109	9,0199	45,9313	Switzerland	140711_13_36_08_Monte Generoso_Tessin_CH_Gartenrotschwanz-R-Q2_RM_LS_34963	private	RM	
110	4,5600	45,6600	France	https://www.youtube.com/watch?v=Qbeo48Uhpgh	youtube	Florent Ceruti	ind. 1
111	2,6120	48,7518	France	ROUGE QUEUE A FRONT BLANC mâle seul excité cris divers dont classées 95 perso 47	private	Julien Rochefort	

112	3,2473	48,4422	France	ROUGE QUEUE A FRONT BLANC	mâle petits cris ténus en nourrissant abords nid 23 perso 37	private	Julien Rochefort	
113	2,3321	47,9470	France	ROUGE QUEUE A FRONT BLANC	alarme mâle les deux cris 84 perso 26	private	Julien Rochefort	
114	3,0227	48,0135	France	ROUGE QUEUE A FRONT BLANC	fem alarme 51 perso 27	private	Julien Rochefort	
115	1,7722	47,9490	France	ROUGE QUEUE A FRONT BLANC	fem alarme et 1 nourri de juv 99 perso 33	private	Julien Rochefort	
116	2,6120	48,3820	France	ROUGE QUEUE A FRONT BLANC	fem alarme macherin 4 06 09 film	private	Julien Rochefort	
117	2,6120	48,3820	France	ROUGE QUEUE A FRONT BLANC	alarme mâle les deux cris 258 perso 47	private	Julien Rochefort	
118	-6,4667	37,4466	Spain	https://www.youtube.com/watch?v=UxELtx7iCv8		youtube	Alberto Plata	
119	-7,2716	37,6245	Spain	XC274770		xeno-canto	José Carlos Sires	
120	-8,2200	38,9200	Portugal	090517-MR-075918		private	Magnus Robb	
121	77,1117	50,9887	Kazakhstan	https://www.youtube.com/watch?v=6QeiWBaPIWg		youtube	Раду́йся ка́ждому дню!	switcher; call 1
121	77,1117	50,9887	Kazakhstan	https://www.youtube.com/watch?v=6QeiWBaPIWg		youtube	Раду́йся ка́ждому дню!	switcher; call 2
122	43,4548	44,8829	Russia	https://www.youtube.com/watch?v=hoqfp4Fn1AE		youtube	Tatyana Ilyina	
123	40,6100	55,6100	Russia	https://www.youtube.com/watch?v=9mndEcouTIE		youtube	Красота и гармония природы	
124	58,4978	54,0075	Russia	https://www.youtube.com/watch?v=0Z6pgSogK-s		youtube	Sergey Petrov	
125	42,6666	41,7261	Georgia	https://www.facebook.com/100004935452023/videos/959509890890184/		facebook	Aslan Bolkvadze	
126	9,8900	45,5958	Italy	XC318770		xeno-canto	Francesco Sottile	ind. 1
127	14,2273	58,4278	Sweden	XC310718		xeno-canto	Patrik Åberg	
128	19,6534	68,8836	Norway	XC401942		xeno-canto	Karl-Birger Strann	
129	19,6286	68,5138	Norway	XC210590		xeno-canto	Stein Ø. Nilsen	
130	8,6400	52,1539	Germany	www.tierstimmen.org TSA:Phoenicurus_phoenicurus_Co_72_3_1		tierstimmenarchiv	Klaus Konrads	
131	-0,8358	51,5175	UK	https://sounds.bl.uk/Environment/British-wildlife-recordings/022M-WICDR0001463-1400V0		sounds.bl.uk	Aubrey John Williams	
132	9,8090	48,4168	Germany	https://www.youtube.com/watch?v=wSf9nWV-g		youtube	Botschgo	
133	2,6120	48,3820	France	ROUGE QUEUE A FRONT BLANC	cris en hui en série 44 perso 38	private	Julien Rochefort	
134	9,8209	52,3709	Germany	www.tierstimmen.org Phoenicurus_phoenicurus_Lue0097_01		tierstimmenarchiv	Hans Lütgen	
135	10,9140	46,8618	Austria	XC380436		xeno-canto	brückgickel	
136	8,4677	46,4500	Switzerland	XC375721		xeno-canto	Roby	
137	13,0225	52,3173	Germany	XC321523		xeno-canto	Sonnenburg	
138	20,3540	53,1178	Poland	XC249572		xeno-canto	Piotr Szczypinski	
139	20,2210	51,5450	Poland	XC105121		xeno-canto	Joachim Rupik	
140	9,7490	53,9710	Germany	XC104515		xeno-canto	Volker Arnold	
141	20,0101	68,7001	Norway	XC92981		xeno-canto	Stein Ø. Nilsen	
142	21,7472	52,1577	Poland	XC90975		xeno-canto	Lars Lachmann	
143	27,4420	68,1380	Finland	XC85972		xeno-canto	Juha Honkala	
144	9,1080	54,2300	Germany	XC79650		xeno-canto	Volker Arnold	
145	14,2273	58,4278	Sweden	XC27566		xeno-canto	Patrik Åberg	
146	23,6334	68,3834	Finland	XC25173		xeno-canto	Niels Krabbe	
147	8,5185	49,5732	Germany	XC377775		xeno-canto	Matthias Feuersenger	
148	15,5869	56,1612	Sweden	XC316018		xeno-canto	iSpiny	
149	1,2542	45,4198	France	XC302915		xeno-canto	Johan Roeland	
150	20,3522	53,1181	Poland	XC264340		xeno-canto	Piotr Szczypinski	
151	12,3038	62,1033	Sweden	XC202986		xeno-canto	Mikael Litsgård	
152	5,4287	46,3695	France	XC183090		xeno-canto	Bram Piot	
153	21,0903	52,3391	Poland	XC180175		xeno-canto	Tomasz Wałachowski	
154	0,8023	44,9475	France	XC180024		xeno-canto	Bernard Bousquet	
155	1,9981	48,4724	France	XC154432		xeno-canto	Bruno Durand	
156	14,5380	53,4580	Poland	XC104647		xeno-canto	Marcin Solowiej	
157	8,9930	48,4740	Germany	XC83056		xeno-canto	Nils Agster	
158	8,8900	54,2870	Germany	XC81471		xeno-canto	Volker Arnold	
159	12,8367	55,3889	Sweden	XC67137		xeno-canto	Louis A. Hansen	
160	5,2687	51,5562	Netherlands	XC36014		xeno-canto	Bas van de Meulengraaf	
161	4,6178	52,5481	Netherlands	XC35413		xeno-canto	Herman van Oosten	
162	73,7412	62,1732	Russia	XC431843		xeno-canto	Albert Lastukhin	
163	1,8680	44,1064	France	XC399904		xeno-canto	Cedric Mroczko	
164	25,2961	54,6836	Lithuania	XC183480		xeno-canto	Juan Verhelst	
165	-5,0299	42,8615	Spain	https://www.youtube.com/watch?v=Jex9gk0McM		youtube	cotuabellar	
166	-5,0198	43,5577	Spain	https://www.youtube.com/watch?v=sejXmhH-G1E		youtube	cotuabellar	
167	8,7350	46,2903	Switzerland	https://www.youtube.com/watch?v=CT1TDcIlCKs		youtube	Tanya Harvey Ciampi	
168	26,7290	58,3780	Estonia	https://www.youtube.com/watch?v=TswlqZZecm0		youtube	Nils Austa	
169	12,5700	55,8100	Denmark	https://www.youtube.com/watch?v=FgpcYb4ByBE		youtube	Otto von Lexmond	
170	17,4900	49,4500	Czechia	https://www.youtube.com/watch?v=U99kVknbs		youtube	Jamila Kačirková	
171	19,4300	51,7700	Poland	https://www.youtube.com/watch?v=iMeg3q_Rmt0		youtube	Jerzy Strzelecki	ind. 1
172	4,8000	53,0700	Netherlands	https://youtu.be/9a1Gcieez3w		youtube	not available	
173	49,7200	58,5700	Russia	https://youtu.be/PnO64hVdC4c, https://www.youtube.com/watch?v=PnO64hVdC4c		youtube	mskolovru	
174	17,9100	59,5296	Sweden	https://youtu.be/tGoVVbnV0x8		youtube	Alan Dalton	
175	18,2800	59,1900	Sweden	https://youtu.be/KMztAlYQAnU		youtube	Per Lundkvist	
176	12,5700	55,7900	Denmark	https://youtu.be/mSgwBYaV7j4		youtube	Otto von Lexmond	
177	21,5000	51,6000	Poland	https://www.youtube.com/watch?v=BqMOKgbltLM		youtube	Marcin Baczkowski	
178	18,6000	51,7000	Poland	https://www.youtube.com/watch?v=fdv5Sklikdw		youtube	Robin Hood	
179	61,3398	56,8000	Russia	https://www.youtube.com/watch?v=N5eAj-ggmwi		youtube	Vladimir Maiski	ind. 1
180	60,5000	56,7999	Russia	https://www.youtube.com/watch?v=n7JbvdX81hQ		youtube	Vladimir Maiski	
181	14,1000	57,7000	Sweden	https://www.youtube.com/watch?v=elqZ29HvPI		youtube	Ardisia1234	
182	20,5413	43,9399	Serbia	https://www.youtube.com/watch?v=xNtpqVlhztU		youtube	Gordana Ibis	
183	20,4489	44,7866	Serbia	https://www.youtube.com/watch?v=ceGDQHyrXXU		youtube	dubokamisao	
184	19,4300	51,7700	Poland	https://www.youtube.com/watch?v=iMeg3q_Rmt0		youtube	Jerzy Strzelecki	ind. 2
185	44,5500	48,5900	Russia	https://www.youtube.com/watch?v=twK5gJvgeQw		youtube	Vladimir S	
186	24,3500	56,8800	Latvia	https://www.youtube.com/watch?v=JmG6y6T39-Y		youtube	Moments in Latvia	
187	23,8800	55,1700	Lithuania	https://www.youtube.com/watch?v=c3qXl2Q6Mb0		youtube	T. Rex	
188	23,7763	44,5973	Romania	https://www.youtube.com/watch?v=2R4MOiD8JA		youtube	Wardstone99	
189	58,5100	51,2100	Russia	https://www.youtube.com/watch?v=EGycDSNtXw		youtube	Leo Rouge	
190	-0,7200	51,1500	UK	https://www.youtube.com/watch?v=Uhy9ZEZLoU		youtube	pic bytom	
191	8,7250	46,2903	Switzerland	https://www.youtube.com/watch?v=SskY5YyuhPQ		youtube	Tanya Harvey Ciampi	
192	9,1332	46,3144	Switzerland	https://www.youtube.com/watch?v=KrnLUUHC1A		youtube	Tanya Harvey Ciampi	
193	0,3300	46,6000	France	https://www.youtube.com/watch?v=8SIYn52tR4Y		youtube	Rene Odeide	
194	-5,8540	42,8256	Spain	https://vimeo.com/100907047		vimeo	Naturaleza Cantábrica	ind. 1
195	4,5600	45,6600	France	https://www.youtube.com/watch?v=Qbeo48Uhhpg		youtube	Florent Cernuti	ind. 2
196	23,1700	42,5800	Bulgaria	https://www.facebook.com/galina.rumenovideos/851411821718536/		facebook	Galina Georgieva	
197	45,9387	55,7117	Russia	XC139150		xeno-canto	Albert Lastukhin	
198	57,6465	51,6316	Russia	XC182373		xeno-canto	Albert Lastukhin	
199	10,9890	45,4700	Italy	XC187124		xeno-canto	maudoc	
200	47,8379	56,4670	Russia	XC187537		xeno-canto	Albert Lastukhin	
201	24,7300	48,3600	Ukraine	https://www.youtube.com/watch?v=AdyCDw9Rang		youtube	Andrii Simon	
202	47,8379	56,4670	Russia	XC187582		xeno-canto	Albert Lastukhin	
203	1,4060	52,0729	UK	ML61788481		Macaulay Library	James Kennerley	
204	-7,6410	41,4778	Portugal	ML61226151		Macaulay Library	Paolo Bello	
205	-0,9711	53,2483	UK	ML65626291		Macaulay Library	Dominic Garcia-Hall	
206	-2,1375	53,2483	UK	ML99061281		Macaulay Library	Dominic Garcia-Hall	
207	7,8669	48,0224	Germany	ML106450361		Macaulay Library	H. Heerklotz	
208	49,7131	55,5969	Russia	XC316598		xeno-canto	Albert Lastukhin	
209	11,0555	46,0711	Italy	XC382301		xeno-canto	Giuseppe Speranza	
210	-1,4523	53,5685	UK	XC417757		xeno-canto	Dominic Garcia-Hall	
211	10,5168	45,7433	Italy	XC421974		xeno-canto	Giuseppe Speranza	
212	-5,8442	43,5481	Spain	https://vimeo.com/100907047		vimeo	Naturaleza Cantábrica	ind. 2
213	-0,5973	45,0884	France	https://www.faune-aquitaine.org/index.php?m_id=54&mid=67868		faune-aquitaine.org	Olivier Grangier	ind. 1
214	-0,2130	44,6923	France	https://www.faune-aquitaine.org/index.php?m_id=54&mid=67868		faune-aquitaine.org	Olivier Grangier	ind. 2
215	-0,9399	45,7182	France	https://www.faune-charente-maritime.org/index.php?m_id=54&mid=2979		faune-charente-maritime.org	Philippe Jourde	
216	34,7953	48,5872	Ukraine	https://www.youtube.com/watch?v=G10eJ1MAMA		youtube	Birding Dnipro	
217	25,0434	48,5245	Ukraine	https://www.facebook.com/vladimir.nikolenko.7/videos/1743838485651706/		facebook	Vladimir Nikolenko	
218	-6,3536	42,5125	Spain	https://www.youtube.com/watch?v=Y8VlgnqfEgY		youtube	José Luis Valls	
219	84,9925	56,5010	Russia	https://www.youtube.com/watch?v=S82VSpzdg4		youtube	Ratel	switcher; call 2
219	84,9925	56,5010	Russia	https://www.youtube.com/watch?v=S82VSpzdg4		youtube	Ratel	switcher; call 1
220	13,4166	51,7469	Germany	-		-	-	
221	8,8376	48,0220	Germany	-		-	-	

222	84,9925	56,5010	Russia	https://www.youtube.com/watch?v=TQZmj9Nya4	youtube	Ratel	
223	10,9892	45,4708	Italy	XC482354	xeno-canto	maudoc	
224	10,7864	45,7249	Italy	XC478499	xeno-canto	Guisepppe Speranza	
225	12,4210	46,7474	Austria	sillian austria pzeller	private	Peter Zeller	ind. 1
226	12,8392	50,0844	Czechia	XC486745	xeno-canto	Stephan Risch	
227	21,2640	52,4168	Poland	XC486270	xeno-canto	Ludwik Kuć	
228	20,4990	52,4002	Poland	XC485541	xeno-canto	Grzegorz Lorek	
229	4,4263	51,3879	Belgium	XC480230	xeno-canto	Bram Vogels	
230	20,3551	53,1124	Poland	XC484091	xeno-canto	Piotr Szczypinski	ind. 1
231	20,3551	53,1124	Poland	XC484091	xeno-canto	Piotr Szczypinski	ind. 2
232	44,7092	42,1546	Georgia	XC482676	xeno-canto	Lars Lachmann	ind. 1
233	44,7092	42,1546	Georgia	XC482676	xeno-canto	Lars Lachmann	ind. 2
234	0,3221	46,5763	France	XC481081	xeno-canto	Jack Berteau	ind. 1
235	0,3221	46,5763	France	XC481081	xeno-canto	Jack Berteau	ind. 2
236	4,4263	51,3879	Belgium	XC480232	xeno-canto	Bram Vogels	
237	107,4670	47,9875	Mongolia	XC468368	xeno-canto	Frank Lambert	
238	18,9721	50,1191	Poland	XC467934	xeno-canto	Ireneusz Oleksik	
239	7,5140	47,5091	Switzerland	XC478533	xeno-canto	NM	
240	7,5140	47,5091	Switzerland	XC478532	xeno-canto	NM	
241	12,4210	46,7474	Austria	sillian austria pzeller	private	Peter Zeller	ind. 2
242	18,7166	63,2900	Sweden	https://www.youtube.com/watch?v=b-YINyedG7A	youtube	Håkan Gustavsson	
243	0,0435	51,0706	UK	https://www.facebook.com/james.aldridge.58760/videos/672148953208917/	facebook	James Aldridge	
244	49,4198	53,5086	Russia	https://www.youtube.com/watch?v=VBm-CF6bCHc	youtube	Мир вокруг нас	
245	13,1034	46,2259	Italy	https://www.youtube.com/watch?v=8Cwd_s-kL-Y	youtube	Lorenzo Bianchini	ind. 1
246	13,1034	46,2259	Italy	https://www.youtube.com/watch?v=8Cwd_s-kL-Y	youtube	Lorenzo Bianchini	ind. 2
247	15,4730	49,8175	Czechia	https://www.youtube.com/watch?v=Y7-6Hw4-S-A	youtube	Jamila Kačirková	
248	11,2740	44,2559	Italy	https://www.youtube.com/watch?v=EozMGL1zgYE	youtube	Michele Martelli	
249	7,6254	47,5659	Switzerland	phopho_190531_001_call_Rankhof	private	NM	
250	7,6328	47,5670	Switzerland	phopho_190531_002_call_m_landauer	private	NM	
251	-7,6398	41,4768	Portugal	ML167460641	Macauly Library	Paolo Bello	
252	-4,5272	42,9684	Spain	ML166628701	Macauly Library	Francisco Javier Calvo Ilesmes	ind. 1
253	-4,5252	42,9698	Spain	ML166628671	Macauly Library	Francisco Javier Calvo Ilesmes	ind. 1
254	20,2250	44,1369	Serbia	ML163435851	Macauly Library	Miroslav Mares	
255	-7,4926	39,8224	Portugal	ML158699211	Macauly Library	João Esteves	
256	-0,2659	39,6303	Spain	ML156092011	Macauly Library	Gregorio Chaguaceda Tomás	
257	-4,5272	42,9684	Spain	ML166628701	Macauly Library	Francisco Javier Calvo Ilesmes	ind. 2
258	-4,5252	42,9698	Spain	ML166628671	Macauly Library	Francisco Javier Calvo Ilesmes	ind. 2
259	104,0791	52,2434	Russia	XC448401	xeno-canto	Vadim Ivushkin	ind. 1
260	101,9266	46,7522	Mongolia	XC495358	xeno-canto	Oscar Campell	
261	8,9309	45,8643	Italy	XC482654	xeno-canto	Matteo	
262	60,5833	56,8333	Russia	https://www.youtube.com/watch?v=N5eAj-gmiw	youtube	Vladimir Maiski	ind. 2
263	13,8333	42,2167	Italy	https://www.facebook.com/watch/?v=488839998530349	facebook	M. Di Lullo	ind. 1
264	10,9258	44,6461	Italy	https://www.facebook.com/federica.pecchi/videos/10209906326911193/	facebook	Federica Pecchi	
265	13,8333	42,2167	Italy	https://www.facebook.com/watch/?v=488839998530349	facebook	M. Di Lullo	ind. 2
266	60,5833	56,8333	Russia	https://www.youtube.com/watch?v=9ZPYAK8ncIw	youtube	Vladimir Maiski	
267	60,5833	56,8333	Russia	https://www.youtube.com/watch?v=dAaw1HsD2l	youtube	Vladimir Maiski	
268	64,6060	39,5674	Uzbekistan	XC185059	xeno-canto	Albert Lastukhin	
269	104,0791	52,2434	Russia	XC448401	xeno-canto	Vadim Ivushkin	ind. 2
270	15,4965	46,3930	Slowenia	https://www.facebook.com/Kozjanski.park/videos/1726165897624570/	facebook	Kozjanski park	
271	-7,6758	40,8220	Portugal	-	-	-	
272	9,4425	47,1807	Austria	https://www.omitho.at/index.php?m_id=54&mid=33210	omitho.at	Georg Amman	
273	9,7734	47,1788	Austria	https://www.omitho.at/index.php?m_id=54&mid=18167	omitho.at	Georg Amman	
274	31,3319	37,1107	Turkey	-	private	NM	
275	34,4208	44,7633	Crimea	XC418697	xeno-canto	Kucherenko Volodymyr	
276	8,5958	53,6387	Germany	https://www.omitho.de/index.php?m_id=54&id=32981856	omitho.de	Frank Hollander	
277	56,1645	54,2312	Russia	https://www.youtube.com/watch?v=pBpijXV59A	youtube	Abramis	
278	14,0273	52,8519	Germany	www.tierstimmen.org TSA:Phoenicurus phoenicurus_V_1776_12_1	tierstimmenarchiv	Günter Tembrock	ind. 2
279	86,0667	55,3333	Russia	https://www.youtube.com/watch?v=vieTnj1J5bM	youtube	Ivanna L	switcher; call 2
280	103,8980	52,2030	Russia	190602_09_51_26_Baikalsee_RU_RM_LS_75439_UB_switcher.WAV	private	Ralph Martin	switcher; call 1
280	103,8980	52,2030	Russia	190602_09_51_26_Baikalsee_RU_RM_LS_75439_UB_switcher.WAV	private	Ralph Martin	switcher; call 1
281	103,9170	52,1970	Russia	190615_18_36_00_Baikalsee_RU_RM_LS_75464_Weibchen.wav	private	Ralph Martin	
282	102,9430	52,7874	Russia	190619_08_19_12_Baikalsee_RU_RM_LS_35849_Vordergrund_Weibchen.wav	private	Ralph Martin	switcher; call 2
282	102,9430	52,7874	Russia	190619_08_19_12_Baikalsee_RU_RM_LS_35849_Vordergrund_Weibchen.wav	private	Ralph Martin	switcher; call 1
283	102,9430	52,7874	Russia	190620_06_33_38_Baikalsee_RU_GRS_RM_LS_35867_im_Vordergrund_Männchen.wav	private	Ralph Martin	switcher; call 2
283	102,9430	52,7874	Russia	190620_06_33_38_Baikalsee_RU_GRS_RM_LS_35867_im_Vordergrund_Männchen.wav	private	Ralph Martin	switcher; call 1
284	101,4070	51,7030	Russia	190621_17_48_16_Baikalsee_RU_RM_LS_75467_Männchen.wav	private	Ralph Martin	
285	103,8990	52,2065	Russia	Balduin fischer pers comm	private	Balduin Fischer	switcher; call 2
285	103,8990	52,2065	Russia	Balduin fischer pers comm	private	Balduin Fischer	switcher; call 1
286	84,3230	49,7804	Kazakhstan	no recording	private	Raffael Ayé	switcher; call 2
286	84,3230	49,7804	Kazakhstan	no recording	private	Raffael Ayé	switcher; call 1
287	84,3230	49,7804	Kazakhstan	no recording	private	Raffael Ayé	