
Appendices

Streptopelia turtur

[illegible][illegible]

[illegible]

Upupa epops

[illegible]

	March						April								May						
	13	14	15	16	17	18	19	20	21	22	23	24		25	26	27	28	29	30		
Catalonia																					
Mean			0.0		1.0	0.3		1.7		1.1	0.6	0.6	0.8		0.6	0.7	0.3				
SD			0.0		1.4	0.5		1.0		0.9	0.7	0.7	0.8		0.5	1.1	0.6				
n			3		4	9		7		13	5	8	9		8	13	3				
Columbrets																					
Mean								0.8	0.4	0.6	0.0	0.4		0.2							
SD								0.4	0.8	0.5	0.0	0.5		0.3							
n								6	7	9	5	4		3							
Dry Balearics																					
Mean			0.6	0.9	0.9		1.0	1.0	1.0	0.7	0.9	0.7		0.6	0.4	0.5	1.0	0.6			
SD			0.7	0.7	0.6		0.8	0.8	1.0	0.6	0.7	0.7		0.8	0.5	0.7	0.0	0.9			
n			11	12	30		69	52	40	77	41	51		31	21	10	3	5			
Wet Balearics																					
Mean																					
SD																					
n																					
Chafarinas																					
Mean																					
SD																					
n																					
N Morocco																					
Mean																					
SD																					
n																					
S Morocco																					
Mean																					
SD																					
n																					

Appendix 1. (Cont.).

Riparia riparia

Third primary

	March						April						May					
	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Catalonia																		
Mean							83.9	83.9	82.9	83.1	83.1	82.5	82.9	83.4	83.9	84.2	82.2	83.2
SD							2.0	1.6	2.1	2.3	2.3	2.6	2.3	2.7	1.6	2.8	2.9	0.8
n							10	7	54	138	84	87	62	50	21	3	3	3
Columbrets																		
Mean									82.2									
SD									1.5									
n									3									
Dry Balearics																		
Mean									83.4	80.7	84.3		84.4	82.9				
SD									2.7	1.5	1.3		3.1	2.4				
n									18	3	3		7	21				
Wet Balearics																		
Mean										82.5			82.1					
SD										1.2			2.5					
n										10			4					
Chafarinas																		
Mean																		
SD																		
n																		
N Morocco																		
Mean																		
SD																		
n																		
S Morocco																		
Mean										83.7								
SD										2.6								
n										3								

Fat score

	March						April						May					
	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Catalonia																		
Mean							3.1	3.8	1.6	2.3	3.5	3.6	3.0	3.0	3.3	3.7	4.0	3.7
SD							1.4	0.9	1.0	1.2	1.2	1.0	1.2	0.9	0.8	0.6	1.0	0.6
n							10	8	54	142	100	90	63	53	21	3	3	3
Columbrets																		
Mean									0.3									
SD									0.5									
n									4									
Dry Balearics																		
Mean									0.9	1.0	1.6		1.8	1.3	1.2			
SD									0.8	1.0	1.5		2.9	1.4	1.1			
n									19	3	5		4	7	22			
Wet Balearics																		
Mean										1.7			4.3					
SD										1.2			0.5					
n										11			4					
Chafarinas																		
Mean																		
SD																		
n																		
N Morocco																		
Mean																		
SD																		
n																		
S Morocco																		
Mean										1.7								
SD										0.6								
n										3								

Body mass

	March						April						May					
	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Catalonia																		
Mean							14.2	13.2	12.1	12.8	14.2	13.8	13.6	13.8	13.9	15.0	16.0	12.9
SD							1.4	1.0	0.8	1.3	1.1	0.9	1.2	1.1	0.8	0.5	0.4	0.2
n							10	7	54	141	99	89	61	51	21	3	3	3
Columbrets																		
Mean									10.4									
SD									1.1									
n									4									
Dry Balearics																		
Mean									10.8	11.3	11.8		11.9	11.5	12.1			
SD									1.1	1.6	0.9		2.6	1.5	1.4			
n									17	3	5		4	7	21			
Wet Balearics																		
Mean											11.9		12.8					
SD											1.3		0.9					
n											10		4					
Chafarinas																		
Mean																		
SD																		
n																		
N Morocco																		
Mean																		
SD																		
n																		
S Morocco																		
Mean										12.2								
SD										0.4								
n										3								

Appendix 1. (Cont.).

Hirundo rustica

Third primary

	March						April						May					
	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Catalonia																		
Mean				97.0	95.8	96.1	97.0	96.5	96.6	95.5	95.3	95.7	95.9	95.9	95.6	96.8	95.6	96.8
SD				1.8	2.9	2.5	2.8	2.7	2.6	2.8	2.6	2.7	2.5	2.5	2.8	2.6	2.6	2.9
n				4	26	50	140	256	487	1,107	649	786	870	691	295	96	52	50
Columbrets																		
Mean							94.7	94.7	96.0	95.4	95.9	95.8	95.1	95.5	95.5			
SD							2.9	2.7	2.7	3.8	2.8	3.2	2.3	2.4	3.0			
n							3	9	48	38	64	40	71	44	14			
Dry Balearics																		
Mean				94.5	96.4		96.3	96.2	96.0	95.7	95.8	95.2	95.8	95.7	95.0	94.3		
SD				1.5	1.8		3.1	3.0	2.8	2.9	2.9	3.2	2.6	2.8	2.5	3.0		
n				8	8		52	54	152	247	263	258	231	179	99	5		
Wet Balearics																		
Mean					95.8		96.5	96.6		96.1	96.5	96.1	96.4	96.3				
SD					2.3		2.2	2.6		2.5	2.8	2.9	3.2	2.6				
n					3		15	40		61	61	87	52	21				
Chafarinas																		
Mean													95.4					
SD													1.7					
n													6					
N Morocco																		
Mean							93.3	94.3	95.4	96.6	95.3	95.7	95.8	94.7				
SD							2.1	2.5	1.9	1.4	2.3	2.5	2.4	3.0				
n							17	4	9	6	8	14	40	6				
S Morocco																		
Mean							94.5	94.8	91.9	93.2	93.6	93.9						
SD							2.9	2.7	2.3	2.5	2.6	2.5						
n							17	36	6	21	54	69						

Fat score

	March						April						May					
	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Catalonia																		
Mean				2.0	2.5	2.5	2.6	3.0	1.9	1.9	2.9	2.9	2.2	2.4	2.6	2.7	2.6	2.6
SD				0.0	1.1	0.7	1.1	1.0	1.0	1.3	1.4	1.1	1.4	1.1	1.2	1.0	1.3	1.0
n				4	26	51	141	260	488	1,135	851	791	1,066	715	296	96	52	50
Columbrets																		
Mean								2.0	0.6	0.8	0.4	0.4	0.5	0.9	0.4			
SD								0.8	1.0	0.9	0.8	0.5	0.7	0.8	0.4			
n								4	77	53	69	43	78	48	12			
Dry Balearics																		
Mean				0.7	1.5	1.1	2.0	1.5	1.5	1.3	1.6	1.6	1.9	2.0	1.9	3.4		
SD				0.6	0.5	0.8	0.9	0.9	1.1	1.1	1.1	1.1	1.4	1.3	1.3	1.8		
n				3	8	8	55	56	160	279	280	316	292	199	105	5		
Wet Balearics																		
Mean							2.4	1.9		2.0	2.3	2.2	2.8	2.8				
SD							0.5	0.5		1.2	0.9	1.0	1.0	1.1				
n							15	40		61	61	138	52	21				
Chafarinas																		
Mean													2.2					
SD													1.2					
n													6					
N Morocco																		
Mean							1.3	3.5	2.2	4.8	4.2	3.9	4.3	3.6				
SD							0.6	1.3	0.6	0.8	1.2	0.9	1.2	1.9				
n							16	4	10	26	8	15	40	6				
S Morocco																		
Mean							2.1	2.4	2.3	2.8	2.3	2.7						
SD							0.7	1.0	0.8	1.0	1.1	1.1						
n							21	42	6	21	55	72						

Body mass

	March						April						May					
	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Catalonia																		
Mean				19.0	18.6	18.2	18.4	18.4	17.4	17.9	19.2	18.9	18.6	18.5	19.2	19.2	19.0	18.5
SD				1.7	1.2	1.4	1.8	1.5	1.5	1.7	1.8	1.6	1.7	1.7	1.7	1.8	1.8	1.7
n				4	26	45	139	258	483	1,131	842	783	891	698	294	96	52	50
Columbrets																		
Mean							15.1	16.4	16.0	15.9	16.0	15.3	15.2	15.1	15.3			
SD							1.3	1.9	1.6	1.5	1.7	1.7	1.6	1.6	1.6			
n							4	11	72	60	68	47	74	48	14			
Dry Balearics																		
Mean				15.7	16.3	16.7	17.2	17.0	16.9	16.9	17.0	17.0	17.0	17.3	17.6	18.2		
SD				1.1	2.6	0.8	1.3	1.7	1.9	1.9	1.7	1.9	1.9	2.1	1.8	1.5		
n				3	7	8	54	56	160	277	277	316	284	189	103	5		
Wet Balearics																		
Mean						19.9	18.0	19.1		18.1	18.2	18.4	19.2	18.5				
SD						2.4	1.3	1.5		2.0	1.4	1.8	1.9	2.0				
n						3	15	40		60	61	117	51	21				
Chafarinas																		
Mean													17.7					
SD													1.5					
n													6					
N Morocco																		
Mean							17.0	19.9	18.1	20.7	21.0	20.2	21.8	20.8				
SD							1.5	0.8	1.8	1.1	1.5	1.8	1.9	2.1				
n							16	4	10	26	7	15	40	6				
S Morocco																		
Mean							18.7	18.9	17.9	19.4	18.6	19.5						
SD							1.8	1.7	1.6	1.8	1.7	2.2						
n							21	42	6	21	56	72						

Delichon urbica

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Appendix 1. (Cont.).

Motacilla flava

Third primary

	March						April						May					
	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Catalonia																		
Mean							64.5	61.3	61.7	61.0	60.7	59.4	60.9	61.2	60.2	61.2	61.9	61.0
SD							1.5	2.9	1.6	2.7	2.1	2.5	2.7	2.3	2.3	2.0	2.1	2.0
n							3	5	6	20	29	24	35	28	22	16	12	19
Columbrets																		
Mean									60.4	58.3	59.7	59.5	60.6	60.0	60.0			
SD									2.7	2.5	2.1	2.2	2.4	3.4	1.7			
n									10	9	13	18	31	24	12			
Dry Balearics																		
Mean									61.1	60.0	60.3	61.5	59.8	60.4	59.7		59.3	
SD									1.4	2.8	2.5	2.6	2.4	2.6	2.2		2.1	
n									8	12	40	26	27	37	47		3	
Wet Balearics																		
Mean																		
SD																		
n																		
Chafarinas																		
Mean																		
SD																		
n																		
N Morocco																		
Mean														60.2				
SD														1.8				
n														3				
S Morocco																		
Mean							58.7	60.9			58.8	58.3						
SD							3.2	2.5			2.6	4.2						
n							21	7			6	24						

Fat score

	March						April						May					
	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Catalonia																		
Mean							2.3	3.2	2.5	1.5	0.9	2.1	2.6	2.3	1.9	1.1	1.1	1.0
SD							2.1	0.8	1.4	1.1	0.9	1.4	1.5	1.2	1.3	0.7	0.9	0.7
n							3	5	6	20	30	24	35	30	22	16	12	20
Columbrets																		
Mean									0.8	1.0	0.6	1.3	1.3	0.7	0.7			
SD									1.3	1.1	0.6	1.2	1.1	0.7	0.7			
n									10	9	14	20	34	27	10			
Dry Balearics																		
Mean									3.3	1.7	2.1	2.2	2.1	2.0	2.5	1.7	1.4	
SD									1.2	1.5	1.3	1.7	1.2	1.3	1.4	1.4	0.5	
n									8	13	41	32	35	40	48	7	5	
Wet Balearics																		
Mean																		
SD																		
n																		
Chafarinas																		
Mean																		
SD																		
n																		
N Morocco																		
Mean														3.3				
SD														0.6				
n														3				
S Morocco																		
Mean							1.5	1.4			1.5	1.4						
SD							0.6	0.5			0.5	0.6						
n							21	7			6	25						

Body mass

	March						April						May					
	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Catalonia																		
Mean							18.0	17.1	16.9	16.5	16.7	17.1	17.2	17.7	16.6	17.4	16.9	17.4
SD							1.3	1.9	1.4	1.7	1.3	1.5	1.3	1.7	1.5	1.6	1.4	1.6
n							3	5	6	20	29	23	34	30	22	14	12	20
Columbrets																		
Mean									14.4	15.1	13.7	14.2	15.2	14.1	13.9			
SD									2.5	2.6	2.0	1.6	2.1	2.0	2.2			
n									13	13	15	20	37	28	12			
Dry Balearics																		
Mean									17.1	14.8	16.1	16.1	15.6	16.0	15.7	15.7	16.0	
SD									1.6	2.1	2.3	1.8	1.8	2.2	1.6	1.9	1.5	
n									8	13	37	30	35	38	47	7	5	
Wet Balearics																		
Mean																		
SD																		
n																		
Chafarinas																		
Mean																		
SD																		
n																		
N Morocco																		
Mean														16.5				
SD														1.9				
n														3				
S Morocco																		
Mean							16.0	16.7			16.0	16.8						
SD							0.9	1.1			0.7	1.5						
n							21	7			6	25						

Erithacus rubecula

	March						April							May						
	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
Catalonia																				
Mean	54.8	55.4	55.1	54.8	54.5	54.4	54.2	54.0	53.8	53.8	54.3	53.9	55.3	56.0						
SD	1.6	1.6	1.5	1.7	1.6	1.5	1.6	1.4	1.3	1.5	1.3	2.0	0.6	1.0						
n	81	54	144	353	188	317	399	155	68	106	16	4	3	3						
Columbrets																				
Mean	55.3	54.6	55.5	54.9	55.4	55.0	53.9	53.8	53.8	53.7	53.8	53.6	53.5							
SD	1.7	0.8	1.4	1.6	1.6	1.9	1.3	1.6	1.7	1.9	1.9	1.5	0.8							
n	41	4	52	30	52	47	87	61	111	105	37	11	6							
Dry Balearics																				
Mean				54.9	54.5	54.2	54.0	53.9	53.8	53.5	53.4	53.7	53.3	54.1	53.5					
SD				1.7	1.7	1.6	1.6	1.5	1.5	1.7	1.6	1.5	1.6	1.3	1.7					
n				515	763	900	1218	1,003	1,027	475	152	86	30	8	5					
Wet Balearics																				
Mean			54.6	54.2	54.0	53.5	54.3	53.2	53.7											
SD			1.1	1.6	1.5	1.3	1.5	1.0	1.4											
n			17	31	24	11	7	5	7											
Chafarinas																				
Mean																				
SD																				
n																				
N Morocco																				
Mean								52.8												
SD								1.5												
n								4												
S Morocco																				
Mean																				
SD																				
n																				

[illegible]

Luscinia megarhynchos

Third primary

[illegible]

Fat score

[illegible]

Body mass

	March						April						May						
	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
Catalonia																			
Mean					19.5		19.8	20.3	20.4	20.2	20.1	20.0		19.8	19.8	19.8	20.3	20.4	20.8
SD					1.8		1.9	2.0	2.2	2.0	1.5	1.5		1.7	1.9	1.6	1.6	0.9	1.1
n					7		24	49	89	322	243	246		240	193	119	41	42	50
Columbrets																			
Mean				17.7	17.6		17.7	19.6	18.7	18.4	18.6	18.7		19.0	18.5	18.4			
SD				1.3	1.1		3.0	1.8	2.3	2.3	2.1	2.1		2.2	2.2	1.9			
n				6	8		12	13	95	314	643	286		139	85	15			
Dry Balearics																			
Mean				19.8	21.0		19.1	19.7	19.6	19.3	19.5	19.6		19.5	19.3	19.5	21.1	20.0	
SD				3.1	2.0		1.9	2.5	2.4	2.5	2.4	2.1		2.2	2.4	2.0	2.5	1.0	
n				5	5		93	153	238	464	339	347		202	175	90	6	3	
Wet Balearics																			
Mean								21.9		21.4	20.6	21.1		21.3	21.0	21.4			
SD								1.3		1.7	1.7	2.5		1.4	1.6	0.5			
n								4		19	18	24		5	9	9			
Chafarinas																			
Mean											19.7			19.6	18.6				
SD											1.0			1.6	2.3				
n											3			4	3				
N Morocco																			
Mean					22.5		21.5	21.7	20.1	21.1	19.1	20.4		21.4	19.7	20.5	18.2	19.7	
SD					1.3		3.4	2.0	3.3	2.7	2.3	2.6		2.9	2.0	2.4	3.3	0.7	
n					3		5	11	15	56	65	36		27	16	13	7	5	
S Morocco																			
Mean																			
SD																			
n																			

Appendix 1. (Cont.).

Phoenicurus phoenicurus

Third primary

	March						April						May							
	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
Catalonia																				
Mean				60.7	62.6	62.4		62.0	61.9	61.8	61.8	61.6	61.5		61.2	60.9	60.7	61.7		
SD				2.5	1.6	1.6		1.7	1.6	2.0	2.1	1.6	1.7		2.2	2.0	2.0	2.4		
n				3	9	18		34	61	65	181	142	248		143	175	71	7		
Columbrets																				
Mean							61.9	61.6	61.5	61.0	61.1	60.9		61.0	61.0	60.7	61.2			
SD							1.9	1.8	2.0	2.1	2.3	2.0		1.7	1.8	1.6	1.5			
n							7	18	68	166	300	291		246	170	120	23			
Dry Balearics																				
Mean				62.1	62.0	61.3		61.7	61.7	61.5	61.1	61.1	60.9		60.7	60.8	60.5	60.6	60.6	60.4
SD				1.7	2.2	1.5		2.0	1.9	2.0	2.1	2.1	2.0		2.0	1.9	2.0	1.5	1.8	1.8
n				6	16	37		166	349	364	733	992	1,083		807	676	445	68	28	19
Wet Balearics																				
Mean										61.3	62.0	60.8		62.5						
SD										0.8	1.0	2.8		2.0						
n										3	3	3		5						
Chafarinas																				
Mean												60.9								
SD												3.1								
n												6								
N Morocco																				
Mean										59.5	60.8	60.4		61.8	61.5					
SD										2.0	1.1	2.3		0.7	1.3					
n										8	6	5		6	4					
S Morocco																				
Mean							62.0		61.6	63.5	61.4									
SD							2.1		2.1	2.9	0.9									
n							4		6	4	7									

Fat score

	March						April						May							
	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
Catalonia																				
Mean				1.3	2.4	2.1		2.1	2.1	2.2	2.5	2.5		2.3	2.4	2.4	2.3			
SD				0.6	0.7	1.1		1.0	1.1	1.0	1.1	1.2		1.2	1.0	1.1	0.8			
n				3	9	18		35	62	66	190	143	260		154	180	72	7		
Columbrets																				
Mean								2.0	1.7	1.6	1.6	1.4		1.4	1.3	1.4	1.6			
SD								0.6	1.2	1.1	1.1	1.0		1.0	1.1	1.0	1.1			
n								14	79	195	364	347		307	231	115	14			
Dry Balearics																				
Mean				2.1	2.3	2.4		2.3	2.4	2.0	2.0	2.2	2.0		2.3	2.2	2.2	2.3	1.9	2.1
SD				0.9	1.1	1.2		1.0	1.0	1.0	1.1	1.2	1.1		1.2	1.1	1.1	1.2	0.8	0.9
n				7	18	38		175	365	375	825	1,108	1,221		948	768	484	84	37	27
Wet Balearics																				
Mean										3.3	2.0	3.0		3.0						
SD										0.6	1.7	1.7		1.0						
n										3	3	3		5						
Chafarinas																				
Mean												2.3								
SD												1.5								
n												6								
N Morocco																				
Mean										3.3	3.0	2.2		2.0	1.5					
SD										1.4	1.6	0.8		1.4	1.0					
n										8	6	5		6	4					
S Morocco																				
Mean								0.8		1.2	1.0	0.6								
SD								0.5		0.8	1.2	0.8								
n								4		6	4	7								

Body mass

	March						April						May					
	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Catalonia																		
Mean			12.7	14.0	14.3		14.3	14.0	14.2	14.4	14.4	14.5	14.0	14.0	14.0	14.1		
SD			0.3	1.3	1.5		1.4	1.0	1.4	1.2	1.2	1.3	1.2	1.3	1.5	1.9		
n			3	9	18		35	60	66	190	143	252	152	179	74	6		
Columbrets																		
Mean					14.0		13.4	13.9	13.7	13.6	13.6	13.5	13.8	13.5	13.9	13.5		
SD					1.3		1.7	1.8	1.4	1.4	1.8	1.4	1.6	1.7	1.3	1.1		
n					3		8	20	82	211	373	379	328	247	125	23		
Dry Balearics																		
Mean			13.4	14.5	14.0		14.0	14.3	13.8	14.0	14.1	14.1	14.2	14.1	14.0	14.4	14.3	14.4
SD			0.7	1.9	1.6		1.5	1.4	1.5	1.6	1.5	1.6	1.5	1.4	1.3	1.6	1.4	1.5
n			6	18	37		174	363	367	811	1,067	1,194	897	758	474	81	37	25
Wet Balearics																		
Mean									16.4	14.1	15.7		15.0					
SD									0.4	1.4	2.6		1.2					
n									3	3	3		5					
Chafarinas																		
Mean											15.0							
SD											2.3							
n											6							
N Morocco																		
Mean									16.2	14.9	13.8		15.4	13.2				
SD									2.4	1.8	1.0		1.6	1.1				
n									8	6	5		6	4				
S Morocco																		
Mean							13.3		13.2	12.8	12.4							
SD							1.2		1.5	1.2	1.0							
n							4		6	4	7							

Appendix 1. (Cont.).

Saxicola rubetra

Third primary

	March						April						May					
	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Catalonia																		
Mean								60.4	58.5	58.5	57.9	57.7		57.4	57.2	57.1	57.3	56.9
SD								1.7	2.4	1.6	1.7	1.6		1.8	1.8	1.6	1.2	1.6
n								4	17	62	45	62		34	75	25	5	8
Columbrets																		
Mean									57.5	57.6	58.1	56.2		56.5	56.9	56.3	57.3	
SD									1.0	1.6	1.3	2.2		2.4	2.1	2.0	0.8	
n									4	9	12	16		27	17	14	3	
Dry Balearics																		
Mean							55.2	58.8	57.5	57.4	57.3	56.9		57.0	56.6	56.5	56.1	56.6
SD							2.8	1.7	2.4	1.9	2.0	2.0		2.0	1.8	1.9	1.8	2.2
n							5	15	43	254	273	352		319	263	154	33	15
Wet Balearics																		
Mean										57.5	58.3		56.7					
SD										1.3	1.0		1.8					
n										3	4		3					
Chafarinas																		
Mean													56.6					
SD													1.3					
n													6					
N Morocco																		
Mean																		
SD																		
n																		
S Morocco																		
Mean							57.3	57.0	57.0		58.5							
SD							1.8	1.0	1.4		1.5							
n							5	3	4		4							

Fat score

	March						April						May					
	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Catalonia																		
Mean								2.0	2.6	2.4	3.0	3.2		2.7	2.7	2.7	2.4	3.3
SD								2.2	1.0	1.3	1.2	1.0		1.0	1.1	1.2	0.9	0.9
n								4	17	63	46	64		35	78	25	5	8
Columbrets																		
Mean									0.0	0.7	1.1	1.5		1.5	1.5	1.7		
SD									0.0	1.1	0.9	1.4		1.1	1.5	1.8		
n									3	10	18	17		30	17	14		
Dry Balearics																		
Mean							1.4	3.4	2.7	2.4	2.5	2.4		2.6	2.7	2.6	2.8	2.3
SD							1.1	1.3	1.4	1.4	1.4	1.3		1.3	1.3	1.3	1.4	1.3
n							5	16	48	259	303	407		343	349	186	53	18
Wet Balearics																		
Mean										4.0	2.8		3.0					
SD										1.0	1.0		1.0					
n										3	4		3					
Chafarinas																		
Mean													0.7					
SD													0.5					
n													6					
N Morocco																		
Mean																		
SD																		
n																		
S Morocco																		
Mean							1.0	1.0	2.5		2.0							
SD							0.0	0.0	1.7		0.8							
n							5	3	4		4							

Body mass

	March						April						May					
	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Catalonia																		
Mean							15.9	15.9	16.0	16.4	16.5		16.0	16.1	15.9	15.8		15.7
SD							0.7	1.4	1.3	1.5	1.4		1.2	1.5	1.4	1.4		0.9
n							4	17	63	46	63		34	78	25	5		8
Columbrets																		
Mean								14.0	15.2	14.5	14.8		15.8	14.7	16.0	14.0		
SD								2.0	3.3	1.8	2.1		1.9	1.9	2.2	0.6		
n								6	11	19	17		34	21	13	3		
Dry Balearics																		
Mean							13.5	16.8	15.8	15.8	16.1	16.1	16.3	15.9	15.7	16.2	16.1	
SD							1.3	2.7	1.8	2.1	2.1	1.9	2.1	1.8	1.8	1.9	1.1	
n							5	16	46	254	296	396	331	344	183	50	17	
Wet Balearics																		
Mean										17.6	16.3		14.8					
SD										1.6	2.3		0.1					
n										3	4		3					
Chafarinas																		
Mean													13.4					
SD													0.7					
n													6					
N Morocco																		
Mean																		
SD																		
n																		
S Morocco																		
Mean							13.6	13.8	14.0		14.0							
SD							1.4	1.7	2.4		1.0							
n							5	3	4		4							

Turdus philomelos

[illegible][illegible]

Locustella naevia

[illegible][illegible]

Acrocephalus schoenobaenus

[illegible][illegible]

Appendix 1. (Cont.).

Acrocephalus scirpaceus

Third primary

	March						April						May					
	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Catalonia																		
Mean							52.6	52.9	53.0	52.7	52.4	52.3	52.1	52.1	51.7	52.0	51.7	51.6
SD							1.3	1.7	2.1	1.9	2.0	1.9	1.9	1.9	1.9	1.7	1.8	1.8
n							10	39	83	418	579	1,148	998	1,728	1,940	1,169	893	668
Columbrets																		
Mean									50.7	50.9	51.6		51.9	51.8	51.5	51.7		
SD									2.3	3.1	2.3		1.8	1.7	1.7	2.4		
n									3	14	30		26	89	74	7		
Dry Balearics																		
Mean									52.8	50.8	52.4	51.9	51.7	51.9	51.6	51.0	50.7	51.1
SD									1.5	2.9	2.0	2.0	1.9	1.8	1.8	2.2	2.9	1.1
n									4	14	20	37	94	161	268	46	13	5
Wet Balearics																		
Mean										52.1	53.1		51.5	51.1	51.1			
SD										2.9	0.8		2.2	1.8	1.0			
n										4	8		7	12	5			
Chafarinas																		
Mean													51.2	51.5	50.2			
SD													1.6	2.5	1.4			
n													7	5	6			
N Morocco																		
Mean					51.2		49.6	50.9	50.7	51.3	50.6	50.2	50.6	50.9	50.6	49.9	50.5	49.3
SD					1.4		2.3	1.7	1.7	2.5	1.8	1.9	2.1	2.0	1.9	2.0	2.4	2.1
n					16		46	32	78	65	104	83	156	153	193	118	51	44
S Morocco																		
Mean							50.3	51.0	50.1	47.8	49.3	50.3						
SD							1.8	1.9	1.4	2.2	4.4	2.6						
n							38	15	6	5	4	17						

Fat score

	March						April						May					
	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Catalonia																		
Mean							3.4	3.4	3.1	3.1	2.9	3.3	3.0	2.9	2.8	2.6	2.8	3.0
SD							1.0	1.5	1.5	1.5	1.4	1.3	1.4	1.4	1.3	1.2	1.2	1.4
n							11	39	83	424	579	1,147	1,048	1,770	1,962	1,177	909	682
Columbrets																		
Mean									1.7	0.9	2.0		1.0	1.7	1.3	2.3		
SD									0.6	1.0	1.6		1.1	1.2	0.9	1.3		
n									3	18	30		34	93	78	4		
Dry Balearics																		
Mean								3.0	3.0	2.9	2.6	2.4	2.2	2.6	2.6	2.9	2.9	2.4
SD								2.6	2.2	1.3	1.8	1.5	1.5	1.5	1.6	1.5	1.5	1.1
n								3	5	15	20	40	109	185	289	52	16	7
Wet Balearics																		
Mean										3.8	5.1		2.6	2.5	1.7			
SD										1.0	0.8		1.4	1.6	1.6			
n										4	8		8	15	6			
Chafarinas																		
Mean													1.6	1.0	2.4			
SD													0.8	0.9	1.5			
n													7	6	7			
N Morocco																		
Mean					1.9		2.5	3.1	3.0	2.7	2.5	2.7	2.7	2.7	2.6	2.8	2.8	2.3
SD					0.9		1.1	1.5	1.0	1.3	1.3	1.5	1.5	1.3	1.4	1.4	1.6	1.4
n					16		46	32	79	69	117	92	161	163	212	133	57	51
S Morocco																		
Mean							2.0	3.5	2.2	2.4	2.8	2.2						
SD							0.9	1.1	0.4	1.5	1.5	0.7						
n							38	15	6	5	4	17						

Body mass

	March						April						May					
	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Catalonia																		
Mean							11.0	11.9	11.7	11.7	11.7	11.8	11.6	11.6	11.4	11.3	11.2	11.3
SD							1.4	1.3	1.4	1.3	1.2	1.2	1.2	1.2	1.1	1.0	0.9	1.0
n							9	39	83	421	572	1,140	1,042	1,756	1,943	1,166	892	680
Columbrets																		
Mean										9.8	10.8		10.2	10.4	10.2	11.0		
SD										1.0	1.4		1.0	1.3	0.9	1.2		
n										17	36		38	98	83	7		
Dry Balearics																		
Mean							11.7	11.1	11.1	11.4	11.3		10.8	11.1	11.0	11.7	11.3	11.3
SD							3.0	1.9	1.3	1.5	1.5		1.7	1.5	1.3	1.6	1.1	1.2
n							3	5	15	20	37		109	184	286	51	16	7
Wet Balearics																		
Mean										12.3	13.2		11.1	10.7	10.8			
SD										1.4	0.7		1.3	0.9	1.0			
n										4	8		8	15	6			
Chafarinas																		
Mean													9.4	10.5	10.3			
SD													0.7	0.9	0.9			
n													7	6	7			
N Morocco																		
Mean					10.2		10.7	10.9	11.1	11.0	10.6	11.0	10.9	10.7	10.8	10.9	10.9	10.3
SD					0.7		0.9	1.1	1.0	1.2	1.2	1.5	1.5	1.4	1.3	1.4	1.3	1.2
n					16		46	32	79	67	116	90	160	160	209	133	55	51
S Morocco																		
Mean							10.1	11.6	9.7	10.1	10.5	9.6						
SD							1.1	1.6	0.4	0.6	0.5	1.2						
n							38	15	6	5	4	17						

Acrocephalus arundinaceus

[illegible][illegible]

Hippolais icterina

[illegible][illegible]

Hippolais polyglotta

[illegible]

	March						April							May						
	13	14	15	16	17	18	19	20	21	22	23	24		25	26	27	28	29	30	
Catalonia																				
Mean										2.6	2.5	2.6		2.3	2.4	2.1	2.0	1.8	2.2	
SD										1.4	1.4	1.4		1.2	1.2	1.2	1.0	1.2	1.3	
n										12	25	54		88	153	155	83	51	49	
Columbrets																				
Mean										1.9	1.6	1.4		0.9	1.4	1.6	1.1			
SD										1.1	1.0	1.1		1.0	1.1	0.8	0.3			
n										20	93	76		112	151	157	9			
Dry Balearics																				
Mean										1.5	1.9	1.8		1.8	2.5	2.4	1.8	2.0	2.0	
SD										0.9	1.2	1.2		1.3	1.2	1.1	1.1	1.1	0.0	
n										17	42	76		125	312	163	31	12	3	
Wet Balearics																				
Mean																				
SD																				
n																				
Chafarinas																				
Mean											2.1	2.0		1.8	1.7	2.0				
SD											1.0	1.2		1.1	1.1	1.2				
n											31	43		120	101	102				
N Morocco																				
Mean										3.3	2.9	2.7		2.7	2.7	2.4	3.3	2.9	1.0	
SD										1.7	1.4	1.2		1.4	1.5	1.2	0.8	1.8	0.0	
n										8	23	9		51	33	50	6	8	3	
S Morocco																				
Mean							2.0													
SD							1.0													
n							3													

Sylvia cantillans & moltonii

[illegible][illegible]

Sylvia communis

[illegible]

	March						April						May					
	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Catalonia																		
Mean				3.6	3.4		3.3	2.7	2.7	3.0	3.2	3.3	3.1	2.7	2.9	3.9	3.8	2.5
SD				0.8	1.3		1.7	1.5	1.2	1.3	1.4	1.4	1.4	1.3	1.1	1.4	1.7	1.4
n				3	7		19	28	56	189	156	222	181	192	110	10	6	10
Columbrets																		
Mean							3.0	1.4	2.3	2.0	1.9	1.8	1.4	1.7	1.6			
SD							2.2	1.5	1.4	1.4	1.5	1.3	1.1	1.1	0.8			
n							6	33	151	351	319	242	190	114	7			
Dry Balearics																		
Mean				2.4				2.3	2.4	2.1	2.3	2.5	2.5	2.7	2.4	2.7	2.2	2.6
SD				1.7				1.3	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.2
n				7				54	175	195	703	774	1,089	1,055	1,091	751	180	59
Wet Balearics																		
Mean							1.8				4.0	3.5						
SD							0.5				1.2	1.9						
n							4				7	11						
Chafarinas																		
Mean										0.3	1.6	1.1	0.4	1.7				
SD										0.6	1.6	0.6	0.5	1.0				
n										3	10	17	7	6				
N Morocco																		
Mean										3.2	3.1	3.2	5.3	4.1	3.8			
SD										1.6	2.0	2.4	1.0	1.4	1.7			
n										10	11	5	4	10	11			
S Morocco																		
Mean																		
SD																		
n																		

Sylvia borin

	March						April								May						
	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30			
Catalonia																					
Mean							59.6	60.2	60.1	60.3			60.5	60.6	60.4	61.4	61.1	61.4			
SD							1.3	1.5	2.1	1.9			2.2	2.0	2.0	1.9	2.0	1.8			
n							14	43	92	196			294	347	355	81	44	38			
Columbrets																					
Mean							60.4	58.5	59.9	60.0			60.2	60.1	60.2	61.0					
SD							1.9	2.4	2.1	2.0			1.9	2.1	1.9	1.7					
n							4	66	121	160			266	232	171	15					
Dry Balearics																					
Mean							60.4	59.9	59.5	60.1	59.6	59.9			60.4	60.2	60.2	60.2	61.1		
SD							2.1	1.1	2.1	2.1	2.2	2.2			2.2	2.0	2.0	1.9	1.9	2.3	
n							11	14	58	237	268	513			842	1,088	1,460	353	154	57	
Wet Balearics																					
Mean											62.2	60.0			61.4	61.3	61.9				
SD											2.4	2.2			1.7	1.6	1.5				
n											10	14			7	9	10				
Chafarinas																					
Mean											57.7	58.9			58.6	59.4	59.3				
SD											2.0	1.5			2.3	1.9	2.5				
n											3	5			21	11	6				
N Morocco																					
Mean							59.8	60.3	59.3	59.3	59.6			59.6	59.7	59.6	59.5	59.2	58.8		
SD							1.1	1.9	1.5	2.1	2.3			1.9	1.9	1.8	2.0	1.8	2.0		
n							7	24	39	57	36			82	105	71	49	15	6		
S Morocco																					
Mean							59.5														
SD							1.0														
n							6														

[illegible]

Appendix 1. (Cont.).

Sylvia atricapilla

Third primary

	March						April						May					
	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Catalonia																		
Mean	56.6	56.7	56.5	56.6	57.1	56.7	56.7	56.9	56.8	56.3	56.2	56.3	56.1	56.4	56.0	56.5	55.0	
SD	1.9	1.8	1.6	1.7	1.9	1.7	1.8	1.8	1.7	1.9	2.0	1.7	2.1	1.5	1.6	1.4	1.4	
n	50	64	62	133	217	264	569	603	675	855	328	243	70	50	27	8	4	
Columbrets																		
Mean	56.8	57.7	57.0	57.6	57.5	57.8	56.2	56.6	56.5	56.3	56.3	56.4	55.5	56.8	56.7			
SD	1.9	0.6	0.9	1.7	1.2	1.9	2.0	1.7	2.2	1.7	2.3	2.5	1.6	1.7	6.5			
n	3	3	4	10	10	6	22	52	85	162	113	42	21	6	3			
Dry Balearics																		
Mean				56.7	56.7	56.5	56.4	56.6	56.4	55.9	56.0	55.8	55.8	55.8	55.8	55.9	56.8	
SD				1.9	1.7	2.0	2.2	1.8	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.5	1.7	
n				96	149	184	456	687	579	672	568	492	259	143	73	13	8	
Wet Balearics																		
Mean			58.0	58.3	57.1	59.2	57.4	57.0		56.3	56.4	55.3	56.1	56.2				
SD			1.3	1.1	2.1	2.9	1.5	2.1		2.0	1.5	1.3	0.9	1.7				
n			3	8	9	3	8	20		62	20	8	5	7				
Chafarinas																		
Mean														55.7				
SD														0.3				
n														3				
N Morocco																		
Mean						56.5	57.1	56.5	56.6	56.5	57.3	55.8	55.3	57.0		54.9		
SD						1.6	1.7	1.5	1.5	1.7	1.4	2.3	2.4	2.0		2.0		
n						75	54	26	36	26	23	23	12	3		4		
S Morocco																		
Mean							56.6		56.6	56.3	56.3	56.3						
SD							1.7		1.8	2.1	0.6	2.5						
n							14		5	4	3	3						

Fat score

	March						April						May					
	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Catalonia																		
Mean	2.6	3.2	2.7	2.9	3.7	3.5	3.1	3.2	2.7	2.8	2.7	2.8	2.3	2.3	2.8	2.9	2.5	
SD	1.5	1.5	1.6	1.6	1.8	1.7	1.6	1.6	1.5	1.6	1.6	1.4	1.3	1.5	1.3	1.4	1.7	
n	52	68	68	124	222	266	573	614	711	866	332	248	75	54	27	8	4	
Columbrets																		
Mean	1.3	2.0					3.6	3.2	2.7	2.9	2.7	2.3	2.1	2.2	1.6			
SD	0.6	2.0					1.7	1.4	1.7	1.8	1.7	1.6	1.6	1.7	1.6			
n	3	3					10	46	107	190	144	65	33	8	4			
Dry Balearics																		
Mean				3.5	3.7	3.4	3.7	3.7	3.3	3.2	3.2	2.9	2.6	2.9	2.8	1.7	3.3	
SD				1.5	1.7	1.6	1.7	1.7	1.8	1.8	1.7	1.7	1.7	1.6	1.5	1.4	1.6	
n				126	161	190	469	702	608	765	596	552	276	160	76	19	8	
Wet Balearics																		
Mean			3.3	4.6	3.3	2.3	2.3	3.6		3.4	3.3	3.0	2.2	3.0				
SD			1.5	1.1	1.8	1.5	1.5	1.3		1.4	1.6	1.5	0.8	2.1				
n			3	8	10	3	8	20		62	22	8	5	7				
Chafarinas																		
Mean														2.7				
SD														2.5				
n														3				
N Morocco																		
Mean						3.7	2.3	2.0	4.2	4.7	4.3	2.7	4.2	3.3		3.3		
SD						1.6	1.6	1.6	1.4	1.5	1.8	2.0	2.2	2.2		0.5		
n						77	54	26	38	26	23	25	16	4		4		
S Morocco																		
Mean							2.5		3.6	3.8	2.3	2.7						
SD							1.4		1.5	1.3	1.2	1.5						
n							15		5	4	3	3						

Body mass

	March						April						May					
	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Catalonia																		
Mean	17.4	18.3	18.0	18.0	18.7	18.6	18.1	18.0	17.4	17.5	17.6	17.4	16.9	17.2	17.9	17.6	17.3	
SD	1.4	1.7	2.2	1.7	2.3	2.4	2.2	2.1	1.9	2.2	2.0	1.8	1.5	1.8	1.4	0.9	0.8	
n	52	68	68	123	222	266	548	606	704	855	327	248	76	54	27	8	4	
Columbrets																		
Mean	15.9	17.0	20.7	19.6	17.6	16.6	17.4	17.8	16.9	17.6	17.7	17.2	17.6	17.0	15.2			
SD	1.1	2.6	2.1	3.2	2.7	2.3	2.9	2.5	2.5	2.4	2.7	2.2	2.5	3.1	1.5			
n	3	3	4	10	11	6	20	55	108	193	148	67	33	9	4			
Dry Balearics																		
Mean				18.9	18.9	18.3	18.6	18.1	17.7	18.0	17.8	17.3	17.0	17.3	17.1	16.2	18.3	
SD				2.5	2.9	2.6	2.9	2.9	2.6	2.8	2.5	2.2	2.1	2.2	1.8	1.4	1.7	
n				124	156	185	452	692	594	748	582	535	271	154	76	19	8	
Wet Balearics																		
Mean			20.2	21.2	18.9	17.6	17.4	19.2		18.2	18.2	17.2	17.3	18.9				
SD			3.0	1.5	2.4	2.3	1.4	1.9		1.8	2.3	1.9	1.3	2.3				
n			3	7	9	3	8	20		62	22	8	4	7				
Chafarinas																		
Mean														17.6				
SD														1.2				
n														3				
N Morocco																		
Mean					20.5		18.7	18.6	20.2	20.4	20.0	19.4	19.2	18.6		16.0		
SD					2.9		2.0	2.1	2.5	2.9	2.6	2.5	2.1	2.0		1.4		
n					77		54	26	38	25	23	24	16	3		4		
S Morocco																		
Mean							17.4		17.8	18.3	17.0	16.7						
SD							1.2		2.0	1.7	0.4	0.8						
n							15		5	4	3	3						

Phylloscopus bonelli

[illegible]

	March						April							May									
	13	14	15	16	17	18	19	20	21	22	23	24		25	26	27	28	29	30				
Catalonia																							
Mean							1.5	2.9	3.0	2.6	2.1	2.3		2.1	2.3	2.3							
SD							0.5	0.9	1.6	1.1	1.4	1.2		1.3	1.0	1.3							
n							3	10	13	24	31	19		13	15	13							
Columbrets																							
Mean								0.7	2.3	1.1	1.1	0.8		0.7	0.5	1.1							
SD								0.6	1.5	1.2	0.9	0.7		0.6	0.7	1.0							
n								3	4	24	60	55		31	33	16							
Dry Balearics																							
Mean							2.1	1.9	1.6	2.1	2.0	2.1		2.4	2.2	2.3	1.2						
SD							1.2	1.0	1.1	1.0	1.0	1.1		1.2	1.3	0.9	1.1						
n							7	26	26	93	173	139		118	97	66	5						
Wet Balearics																							
Mean																							
SD																							
n																							
Chafarinas																							
Mean											2.0						1.0						
SD												1.0						1.0					
n												3							3				
N Morocco																							
Mean												2.3						1.3					
SD												2.1						1.5					
n												3						3					
S Morocco																							
Mean																							
SD																							
n																							

Phylloscopus sibilatrix

	March						April						May					
	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Catalonia																		
Mean							60.8	60.7	60.5	60.4	60.6	59.8	58.0	58.7	58.4			
SD							1.5	1.9	1.7	1.6	1.7	2.1	1.9	2.2	2.5			
n							3	6	19	35	21	36	33	23	10			
Columbrets																		
Mean									58.4	60.5	60.1	59.0	56.6	58.2	57.9			
SD									2.7	2.0	3.1	2.1	2.0	3.7	3.1			
n									4	13	7	62	15	9	13			
Dry Balearics																		
Mean							61.2	61.0	60.0	59.3	58.8	58.6	57.9	57.7	57.4	57.5	58.5	
SD							1.0	1.4	1.7	2.1	2.4	2.3	2.3	2.1	1.9	1.4	1.1	
n							14	13	19	73	80	135	95	135	66	10	4	
Wet Balearics																		
Mean							60.3		60.2	59.9	59.8		59.4					
SD							1.3		1.9	2.6	1.6		1.6					
n							3		6	12	13		6					
Chafarinas																		
Mean									59.6	59.0								
SD									2.5	1.0								
n									4	3								
N Morocco																		
Mean									59.5	59.7			59.4	58.2				
SD									1.8	1.2			2.2	3.2				
n									21	6			10	5				
S Morocco																		
Mean																		
SD																		
n																		

[illegible]

Appendix 1. (Cont.).

Phylloscopus collybita

Third primary

	March						April						May					
	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Catalonia																		
Mean	46.5	47.1	46.2	44.7	44.2	44.0	43.6	43.8	43.8	43.8	43.9	44.7	44.5	44.6	43.1		45.0	
SD	2.2	1.9	2.4	2.5	2.2	2.4	1.8	1.9	2.1	2.4	2.4	2.6	2.7	2.5	1.7		1.6	
n	316	284	236	316	262	269	161	70	69	89	32	37	17	12	11		4	
Columbrets																		
Mean	47.4	46.0	47.1	45.9	44.6	43.9	43.5	43.7	43.4	44.2	44.1	44.1	43.8	44.4	44.9	44.2		
SD	1.8	2.9	2.4	2.9	2.5	2.4	2.4	2.3	2.4	2.9	2.7	2.7	2.8	3.2	2.9	2.8		
n	82	12	78	38	102	34	38	39	107	115	79	59	29	34	20	3		
Dry Balearics																		
Mean				45.5	44.2	43.2	43.4	43.4	43.7	43.7	44.0	43.8	44.2	43.4	44.2	44.2	44.0	
SD				2.5	2.6	2.2	2.0	2.2	2.2	2.2	2.7	2.6	2.6	2.5	2.6	3.1	1.8	
n				343	501	353	675	629	223	183	136	91	59	61	52	7	4	
Wet Balearics																		
Mean			45.4	45.3	43.3	43.6	43.1	43.6		45.8								
SD			2.4	2.3	1.8	1.5	2.6	1.9		0.5								
n			48	27	14	14	15	14		4								
Chafarinas																		
Mean																		
SD																		
n																		
N Morocco																		
Mean					45.2		43.3	44.8	44.4		43.4	43.6		46.2				
SD					1.9		2.5	2.8	4.1		2.1	2.6		2.4				
n					7		29	10	4		20	8		6				
S Morocco																		
Mean									43.3	43.5	44.3							
SD									1.1	2.1	2.8							
n									7	23	11							

Fat score

	March						April						May					
	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Catalonia																		
Mean	2.7	2.7	2.6	2.8	2.8	2.9	2.9	3.2	2.7	2.7	2.5	2.4	2.1	1.7	2.2		1.8	
SD	1.1	1.0	1.1	1.1	1.2	1.2	1.2	1.2	1.1	1.2	1.2	1.3	1.5	1.2	1.0		1.7	
n	333	307	258	325	276	276	167	72	69	92	33	37	18	12	11		4	
Columbrets																		
Mean	0.8	0.6	1.8				1.7	2.1	1.5	1.3	1.5	1.0	0.8	1.2	0.9	1.0		
SD	1.0	0.9	1.1				0.5	0.9	1.2	1.2	1.3	0.9	0.6	1.0	0.7	0.8		
n	82	12	13				7	11	123	141	91	74	43	39	21	4		
Dry Balearics																		
Mean				2.1	2.8	2.5	2.8	2.8	2.7	2.5	2.0	2.1	2.1	1.8	1.8	1.5	1.3	
SD				1.2	1.3	1.3	1.2	1.1	1.1	1.3	1.2	1.3	1.5	1.5	1.1	0.8	0.8	
n				379	519	362	724	666	258	211	155	110	76	73	58	11	6	
Wet Balearics																		
Mean			1.9	2.2	2.5	2.8	2.3	3.3		3.2								
SD			0.9	0.9	1.2	1.3	1.0	1.4		0.8								
n			53	31	14	14	15	16		5								
Chafarinas																		
Mean																		
SD																		
n																		
N Morocco																		
Mean					1.7		2.3	3.4	3.3		3.3	2.5		1.7				
SD					1.1		1.4	1.5	2.1		1.3	1.2		0.5				
n					7		29	10	4		20	8		6				
S Morocco																		
Mean									1.9	3.3	2.9							
SD									0.7	1.4	1.7							
n									7	23	11							

Body mass

	March						April						May					
	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Catalonia																		
Mean	7.7	7.8	7.7	7.5	7.3	7.3	7.2	7.1	7.2	7.1	7.4	7.5	7.4	7.3	7.2		7.3	
SD	0.8	0.7	0.9	0.9	0.8	0.8	0.8	0.7	0.8	0.8	0.8	0.8	0.9	1.0	0.6		1.0	
n	334	302	255	324	273	273	160	70	67	92	32	37	18	12	11		4	
Columbrets																		
Mean	7.3	6.8	7.5	7.2	7.1	7.0	6.6	7.1	6.6	6.9	6.9	6.9	6.7	6.8	6.9	6.6		
SD	0.7	0.8	0.8	1.0	0.8	0.7	0.7	0.8	0.8	0.9	0.9	0.7	0.6	0.8	0.8	0.9		
n	82	12	76	36	100	49	53	39	121	142	90	79	45	42	23	6		
Dry Balearics																		
Mean				7.3	7.1	6.8	7.0	7.0	7.2	7.2	7.0	7.0	7.3	6.8	7.2	7.3	6.9	
SD				0.9	0.9	0.9	0.8	0.7	0.8	0.8	0.8	0.9	1.2	0.9	0.7	0.9	0.7	
n				354	506	347	710	651	233	205	149	106	73	72	57	10	6	
Wet Balearics																		
Mean			7.4	7.6	7.2	7.4	7.3	8.0		8.5								
SD			0.8	0.9	0.8	0.6	0.8	0.7		0.6								
n			53	30	14	14	15	16		5								
Chafarinas																		
Mean																		
SD																		
n																		
N Morocco																		
Mean					7.9		7.2	8.1	8.7		7.7	7.6		7.9				
SD					0.8		0.6	0.8	1.5		1.4	0.5		0.9				
n					7		27	9	4		19	8		6				
S Morocco																		
Mean									7.0	7.8	7.7							
SD									0.5	1.3	1.4							
n									6	23	10							

Appendix 1. (Cont.).

Phylloscopus trochilus

Third primary

	March						April						May							
	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
Catalonia																				
Mean			53.8	53.9	53.7	53.6		53.5	53.1	53.0	52.1	52.0	51.4		50.4	50.1	50.1	50.2	49.7	50.5
SD			2.1	1.1	1.4	1.6		1.9	2.2	2.2	2.7	2.6	2.6		2.3	2.0	1.9	1.6	0.6	2.4
n			7	51	189	361		524	623	900	1,657	1,060	1,530		881	757	293	18	3	8
Columbrets																				
Mean					55.0	53.2		51.2	51.6	52.0	51.8	51.3	50.6		49.9	49.7	49.5	50.2	50.0	
SD					1.3	2.9		3.2	3.0	2.7	2.8	2.8	2.5		2.3	2.0	1.8	1.4	0.0	
n					24	23		58	167	304	945	1,363	1,343		1,130	773	583	38	3	
Dry Balearics																				
Mean				53.4	53.3	53.0		53.2	52.7	52.1	51.8	51.4	50.6		50.1	49.8	49.7	49.3	49.4	
SD				1.4	2.0	1.8		1.9	2.3	2.6	2.6	2.7	2.6		2.3	2.1	1.8	2.0	2.1	
n				19	75	260		1,283	2,359	2,007	4,152	3,533	4,740		3,723	2,703	1,941	112	44	
Wet Balearics																				
Mean			53.4	52.4	53.3	54.5		53.7	53.7		53.1	53.1	51.1		51.1	51.7	48.7			
SD			0.5	0.5	0.8	1.0		1.1	1.7		2.3	2.5	2.3		2.7	2.5	2.3			
n			4	5	3	11		14	110		55	91	38		21	8	3			
Chafarinas																				
Mean										52.0	49.8	49.5		49.1	48.7	49.0				
SD										2.5	2.4	1.7		2.0	1.3	1.9				
n										13	31	87		50	58	25				
N Morocco																				
Mean						51.3		50.4	51.2	51.6	50.9	50.4	51.1		49.8	49.6	49.9	47.6	48.8	
SD						2.2		2.1	2.3	2.2	2.9	2.6	2.7		2.7	2.1	1.9	0.9	1.8	
n						37		8	23	59	127	98	67		40	42	16	6	3	
S Morocco																				
Mean								51.9	51.7	51.5	49.8	51.1	50.0							
SD								2.3	2.9	3.6	0.3	2.1	1.7							
n								34	23	9	4	20	3							

Fat score

	March						April						May					
	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Catalonia																		
Mean			2.4	2.7	3.0	2.9	2.6	2.9	2.8	2.9	3.1	3.4	3.3	3.2	3.2	3.2	4.3	3.5
SD			1.2	1.1	1.1	1.1	1.2	1.1	1.1	1.2	1.2	1.1	1.1	1.1	1.1	1.3	0.6	0.8
n			7	51	190	365	529	641	906	1,701	1,077	1,554	908	772	301	18	3	8
Columbrets																		
Mean							2.5	2.6	2.5	1.9	1.8	1.8	1.6	1.7	1.5	1.8		
SD							0.9	1.0	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.2		
n							23	152	325	1,134	1,518	1,468	1,234	858	541	12		
Dry Balearics																		
Mean				2.1	2.7	2.8	3.2	3.1	2.9	2.9	3.0	2.9	3.2	2.9	3.1	2.6	2.1	
SD				1.2	1.3	1.3	1.1	1.1	1.1	1.2	1.4	1.3	1.5	1.2	1.2	1.3	1.1	
n				22	74	267	1,311	2,507	2,104	4,398	4,116	5,431	4,401	2,920	2,020	137	50	
Wet Balearics																		
Mean			2.5	2.8	1.7	2.5	2.6	2.3		2.9	3.1	3.3	3.1	2.8	2.5			
SD			0.6	1.3	1.2	1.2	0.8	0.9		1.2	1.0	1.2	1.3	1.2	1.7			
n			4	5	3	11	14	110		56	95	38	21	8	4			
Chafarinas																		
Mean										1.6	1.9	1.8	1.8	1.2	1.6			
SD										1.1	1.3	1.0	1.2	1.0	1.0			
n										13	31	87	52	60	25			
N Morocco																		
Mean					1.9		2.6	2.4	2.9	3.0	2.5	2.9	3.1	2.1	3.3	3.8	3.3	
SD					1.1		1.9	0.9	1.1	1.4	1.5	1.4	1.7	1.3	1.1	2.4	2.1	
n					37		8	24	60	132	108	71	42	43	21	6	3	
S Morocco																		
Mean							3.4	3.2	3.2	4.0	3.0	2.7						
SD							1.3	1.2	1.2	1.2	1.5	1.2						
n							32	23	9	4	20	3						

Body mass

	March						April						May					
	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Catalonia																		
Mean			9.2	9.0	9.1	9.0	8.8	8.8	8.8	8.7	8.7	8.8	8.4	8.3	8.4	8.5	7.9	8.1
SD			1.2	0.8	0.8	0.9	0.9	0.9	0.9	1.0	1.0	1.0	0.9	0.9	0.8	0.7	0.3	0.8
n			7	51	187	361	501	640	904	1,665	1,071	1539	907	763	301	18	3	8
Columbrets																		
Mean					8.7	9.3	8.7	8.9	8.6	8.5	8.5	8.2	7.9	7.6	7.6	8.0		
SD					1.0	0.8	1.3	1.2	1.1	1.1	1.1	1.1	1.0	0.9	0.8	0.8		
n					24	24	64	167	372	1,306	1,550	1,844	1,397	946	622	39		
Dry Balearics																		
Mean			8.7	9.2	9.0		9.3	9.2	8.9	8.8	8.7	8.5	8.3	8.3	8.2	8.1	8.0	
SD			0.9	1.0	1.1		1.1	1.1	1.1	1.1	1.0	1.1	1.0	0.9	0.8	0.9	0.9	
n			22	74	262		1,293	2,450	2,047	4,361	3,784	5,098	4,009	2,935	2,025	135	50	
Wet Balearics																		
Mean			9.3	9.0	8.5	9.2	9.3	9.0		9.1	9.1	8.9	8.9	9.0	7.9			
SD			0.6	1.2	0.8	1.0	0.9	0.9		1.0	0.9	1.2	1.0	0.7	0.8			
n			4	5	3	11	14	111		54	94	37	20	7	4			
Chafarinas																		
Mean										8.2	8.1	7.4	7.4	7.1	7.2			
SD										1.0	1.1	0.8	1.0	0.7	0.5			
n										13	30	87	52	59	25			
N Morocco																		
Mean					9.0		9.4	8.3	9.3	8.9	8.6	8.7	8.8	8.3	8.4	8.2	9.5	
SD					0.9		1.7	0.7	1.0	1.3	1.2	1.2	1.2	1.3	0.7	1.1	0.9	
n					37		8	24	60	129	107	66	42	42	20	6	3	
S Morocco																		
Mean							9.2	9.3	9.6	9.9	9.8	9.5						
SD							1.1	1.5	2.3	0.3	1.1	0.6						
n							33	23	9	4	20	3						

Muscicapa striata

[illegible][illegible]

	March						April								May						
	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30			
Catalonia																					
Mean									14.6	14.6	14.2	14.4			13.6	13.8	13.5	14.2	13.4	15.0	
SD									1.2	1.5	1.6	1.2			1.2	1.3	1.3	0.5	1.4	1.4	
n									4	5	11	24			62	79	69	7	3	4	
Columbrets																					
Mean									12.6	11.9	12.3	12.2			11.8	12.1	12.4	12.9			
SD									1.0	1.2	1.2	1.1			1.1	1.1	1.2	1.2			
n									3	22	48	167			355	261	135	24			
Dry Balearics																					
Mean									13.6	12.8	12.7	12.7			12.9	13.1	13.2	13.8	13.8	14.0	
SD									0.6	1.2	1.3	1.3			1.4	1.6	1.4	1.5	1.5	1.9	
n									3	96	236	499			801	787	624	161	59	30	
Wet Balearics																					
Mean											13.5		14.6		14.7						
SD											1.0		1.3		0.8						
n											7		14		3						
Chafarinas																					
Mean											13.7		13.1		13.3		13.5				
SD											1.0		0.6		1.2		1.8				
n											7		12		21		5				
N Morocco																					
Mean											13.2		15.9		14.4		14.1		13.6		
SD											1.1		0.7		1.1		0.9		0.4		
n											4		6		9		10		3		
S Morocco																					
Mean																					
SD																					
n																					

Appendix 1. (Cont.).

Ficedula hypoleuca

Third primary

	March						April						May					
	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Catalonia																		
Mean							62.0	62.9	62.2	62.1	61.5	61.5	61.1	60.9	60.5	61.1	60.3	61.7
SD							1.3	1.9	1.5	1.7	1.7	1.6	1.4	1.5	1.6	1.4	0.9	1.9
n							5	22	153	188	218	349	317	321	127	19	4	6
Columbrets																		
Mean									61.9	61.5	61.2	61.0	60.8	60.4	60.4	61.3		
SD									1.7	1.8	1.7	1.8	1.8	1.5	1.5	1.4		
n									13	47	76	119	91	58	57	6		
Dry Balearics																		
Mean							62.2	62.1	62.0	61.2	61.0	60.8	60.6	60.3	60.2	59.6	60.6	60.7
SD							1.3	1.8	1.9	1.8	1.7	1.8	1.7	1.6	1.6	1.5	1.9	1.5
n							11	50	100	471	663	1033	951	688	307	41	38	3
Wet Balearics																		
Mean									62.6	61.5	61.3		61.2					
SD									1.3	1.5	1.5		1.4					
n									14	15	44		20					
Chafarinas																		
Mean										62.2	59.5							
SD										0.3	1.4							
n										3	4							
N Morocco																		
Mean									61.8	59.7	60.2	60.2	61.0	60.2	60.2			
SD									1.5	1.9	1.6	1.4	1.9	1.5	0.3			
n									4	10	15	14	15	26	3			
S Morocco																		
Mean							61.5	61.7	61.3	61.7								
SD							1.6	1.5	1.4	1.5								
n							16	18	40	13								

Fat score

	March						April						May					
	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Catalonia																		
Mean							2.4	2.1	2.0	2.0	2.0	2.2	2.0	2.0	2.1	2.5	2.8	2.4
SD							1.1	1.2	1.0	1.2	1.2	1.1	1.1	1.1	1.1	0.9	0.5	1.0
n							5	22	154	190	223	361	355	345	132	19	4	7
Columbrets																		
Mean									0.8	1.0	0.7	0.6	0.5	0.6	1.1			
SD									1.0	0.9	0.9	0.8	0.7	0.6	0.7			
n									12	65	84	151	117	89	51			
Dry Balearics																		
Mean							1.3	1.8	1.7	1.5	1.5	1.5	1.6	1.6	1.7	2.1	1.6	2.6
SD							0.6	1.0	1.2	1.0	1.1	1.0	1.1	1.1	1.1	1.2	1.1	0.7
n							12	51	102	498	744	1203	1072	860	376	56	41	9
Wet Balearics																		
Mean									2.6	1.9	2.3		2.8					
SD									1.3	1.0	1.0		1.0					
n									14	16	45		20					
Chafarinas																		
Mean										1.3	1.5							
SD										0.6	1.3							
n										3	4							
N Morocco																		
Mean									1.2	2.1	1.4	1.7	2.0	2.6	2.6			
SD									1.1	1.4	1.1	1.2	1.2	1.1	1.1			
n									5	17	25	19	16	28	5			
S Morocco																		
Mean							2.3	2.3	2.0	2.5								
SD							1.1	1.1	1.0	1.1								
n							16	18	39	13								

Body mass

	March						April						May					
	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Catalonia																		
Mean							12.4	11.8	11.9	11.9	12.1	12.0	11.8	11.9	11.8	12.3	11.3	12.2
SD							0.6	0.9	0.9	1.2	1.1	1.1	1.0	1.0	0.9	0.7	0.5	1.0
n							5	22	152	190	222	355	351	339	131	19	4	6
Columbrets																		
Mean									10.7	10.7	10.7	10.5	10.5	10.5	10.8	11.6		
SD									0.5	1.3	1.2	1.0	1.0	0.9	1.0	1.1		
n									13	75	84	168	118	90	61	5		
Dry Balearics																		
Mean							11.2	11.4	11.3	11.3	11.4	11.5	11.4	11.5	11.5	12.1	11.9	12.0
SD							1.7	1.0	1.2	1.2	1.2	1.2	1.3	1.2	1.2	1.3	1.1	0.9
n							12	50	102	478	724	1169	1040	839	366	54	40	9
Wet Balearics																		
Mean										12.9	11.7	11.8	12.9					
SD										1.5	1.5	1.4	1.5					
n										14	16	45	20					
Chafarinas																		
Mean											11.6	11.3						
SD											1.6	0.9						
n											3	4						
N Morocco																		
Mean									12.0	12.4	11.6	12.2	12.7	12.2	12.5			
SD									1.0	1.2	0.9	1.4	1.2	1.4	0.7			
n									5	15	23	19	16	26	5			
S Morocco																		
Mean							12.8	12.5	11.9	12.0								
SD							1.3	0.9	1.1	0.8								
n							16	18	39	13								

Appendix 1. (Cont.).

Lanius senator

Third primary

	March						April						May					
	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Catalonia																		
Mean							72.9	75.7	75.5	72.6	73.7	73.2	73.5	73.2	72.6	74.4	74.5	
SD							2.3	3.6	3.3	2.9	3.3	2.4	2.1	2.5	2.5	1.8	2.1	
n							12	13	3	16	20	26	55	37	22	6	7	
Columbrets																		
Mean							72.2	75.5	74.8	73.0	73.2	72.9	72.9	72.9	72.3	73.3		
SD							2.3	2.8	3.4	2.4	2.6	3.0	2.8	2.1	1.8	1.6		
n							23	15	23	101	142	100	66	71	47	7		
Dry Balearics																		
Mean			77.2	76.0	76.0		74.2	75.1	74.6	73.9	72.9	72.9	72.8	72.2	72.4	72.6	73.3	
SD			0.3	1.9	2.2		3.1	2.9	3.0	2.8	2.8	2.7	2.6	2.8	2.6	2.6	4.6	
n			3	12	20		68	81	65	172	189	212	179	148	99	24	3	
Wet Balearics																		
Mean									77.0		76.0				75.3			
SD									1.9		1.7				1.5			
n									4		3				3			
Chafarinas																		
Mean														70.8	74.7			
SD														1.5	1.5			
n														8	3			
N Morocco																		
Mean									71.5	73.0								
SD									1.3	3.3								
n									3	3								
S Morocco																		
Mean							71.5	71.6		72.3	71.4	72.3						
SD							1.8	1.2		2.5	2.3	2.0						
n							10	9		7	9	16						

Fat score

	March						April						May					
	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Catalonia																		
Mean							1.5	2.1	2.5	1.5	1.7	1.7	1.4	1.2	1.7	1.0	2.0	
SD							0.9	1.0	1.9	1.0	1.5	1.0	1.0	1.1	1.2	0.6	0.9	
n							14	14	4	16	21	26	58	42	23	6	6	
Columbrets																		
Mean								1.3	1.5	0.8	0.8	0.8	0.9	1.0	0.9	0.4		
SD								1.1	0.9	0.7	0.7	0.8	0.8	0.8	0.6	0.5		
n								7	27	115	201	116	67	77	40	7		
Dry Balearics																		
Mean			1.8	1.8	1.9		1.7	1.6	1.6	1.4	1.4	1.4	1.6	1.6	1.4	1.0	1.8	1.3
SD			1.0	0.7	1.2		1.0	1.1	1.0	1.1	0.9	1.0	1.1	1.1	1.0	1.1	0.8	0.6
n			4	12	20		68	85	74	201	214	250	218	163	111	32	6	3
Wet Balearics																		
Mean									1.8		2.0				1.7			
SD									0.8		1.0				1.2			
n									5		3				3			
Chafarinas																		
Mean														0.1	0.0			
SD														0.4	0.0			
n														8	3			
N Morocco																		
Mean									1.7	2.3								
SD									1.2	0.6								
n									3	3								
S Morocco																		
Mean							1.1	1.2		1.0	1.0	1.1						
SD							0.7	0.8		0.0	0.0	0.5						
n							10	9		7	9	16						

Body mass

	March						April						May					
	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Catalonia																		
Mean							29.6	34.0	35.5	30.3	30.7	29.8	30.4	30.6	29.6	30.8	33.1	
SD							4.2	4.9	5.9	4.4	4.2	3.3	3.4	3.3	3.5	2.6	3.2	
n							13	14	4	15	20	26	58	41	24	6	7	
Columbrets																		
Mean							26.1	32.2	31.4	30.0	29.2	28.5	30.1	29.2	27.7	29.6		
SD							1.8	4.9	4.8	4.0	3.6	3.2	4.1	2.8	2.4	2.9		
n							23	15	34	119	204	118	66	86	46	7		
Dry Balearics																		
Mean			31.5	34.7	33.6		33.0	33.4	32.4	32.6	30.9	31.5	31.4	30.9	30.4	28.7	33.7	34.6
SD			6.5	2.8	4.3		4.1	4.0	4.3	4.5	4.1	4.4	4.4	3.4	4.2	3.0	4.6	3.9
n			3	11	18		70	84	67	202	208	243	202	161	107	30	7	3
Wet Balearics																		
Mean									35.7		34.8				39.5			
SD										1.4		1.2				4.2		
n										5		3				3		
Chafarinas																		
Mean														27.3	29.4			
SD														2.2	1.3			
n														8	3			
N Morocco																		
Mean										29.7	30.8							
SD										2.1	2.3							
n										3	3							
S Morocco																		
Mean							25.3	26.4		26.3	25.9	26.2						
SD							1.0	1.3		1.5	1.9	1.3						
n							9	9		7	9	16						

Appendix 2. We tested for differences in third primary length, body mass, fat score and physical condition between areas and in relation to timing of passage using interactive ANCOVA models. Each of these four biometric variables was set as the dependent variable, area as a factor and pentad as a covariable. In this appendix, for each given species and variable, the significance (P) of the effects of region, pentad and its interaction are shown. Moreover, under the name of each area appear the abbreviations of the other areas with which significant differences were found according to post-hoc tests conducted applying the Bonferroni correction (brackets indicate marginally significant differences [$P < 0.1$] and 'NA' unavailability). The column 'r' indicates the coefficient of the correlation conducted between each variable and pentad in each of the main seven study areas (only significant tests are shown; $P < 0.05$). See the methodological introduction for further details.

	Significance (P) in ANCOVA Model			Catalonia (CA)		Columbrets (CO)	
Species	Area	Pentad	Interaction	r		r	
<i>Streptopelia turtur</i>							
Third primary length	0.0038	0.0000	0.1660	-0.48	CO		DB,CA
Body mass	0.0031	0.4663	0.1450	-0.14			DB
Fat	0.0003	0.8690	0.5868				DB
Physical condition	0.4924	0.0009	0.1385			0.21	
n				13		315	
<i>Merops apiaster</i>							
Third primary length	0.0703	0.0132	0.8682				
Body mass	0.0000	0.7445	0.1153		DB CO		NM DB CA
Fat	0.0533	0.1753	0.5820				
Physical condition	0.0000	0.3203	0.2329		CO		NM DB CA
n				128		21	
<i>Upupa epops</i>							
Third primary length	0.3373	0.2296	0.2855				
Body mass	0.0000	0.5750	0.1175	0.23	DB CO		DB WB CA
Fat	0.2035	0.0237	0.9831				
Physical condition	0.0000	0.1535	0.2218	0.32	DB CO		DB WB CA
n				81		56	
<i>Riparia riparia</i>							
Third primary length	0.3043	0.8503	0.9612				
Body mass	0.0000	0.0000	0.6628	0.23	DB WB CO		CA
Fat	0.0103	0.0001	0.0031	0.27	DB CO		WB CA
Physical condition	0.0000	0.0000	0.7212	0.32	DB WB CO		(NM) CA
n				522		7	
<i>Hirundo rustica</i>							
Third primary length	0.0000	0.0005	0.2102	-0.03	SM (WB)		SM WB
Body mass	0.0000	0.0000	0.0000	0.15	SM NM DB CO	-0.19	SM NM DB WB CA
Fat	0.0000	0.0000	0.0000	0.06	NM DB CO	-0.15	SM NM DB WB CA
Physical condition	0.0000	0.0000	0.0000	0.18	SM NM DB CO	-0.13	SM NM DB WB CA
n				5,570		337	
<i>Delichon urbica</i>							
Third primary length	0.0385	0.1395	0.0352				
Body mass	0.0000	0.0036	0.0133	0.19	DB CO		DB WB CA
Fat	0.0001	0.2608	0.0018	0.18	DB CO		DB WB CA
Physical condition	0.0000	0.0130	0.0005	0.27	DB CO		DB WB CA
n				126		42	
<i>Anthus trivialis</i>							
Third primary length	0.0001	0.0000	0.0002	-0.48			DB
Body mass	0.0000	0.5195	0.3744		CO (DB)		DB CA
Fat	0.0000	0.0625	0.5846		CO		DB WB CA
Physical condition	0.0000	0.0130	0.7727		DB CO		DB WB CA
n				53		177	
<i>Motacilla flava</i>							
Third primary length	0.0071	0.1102	0.2651		(CO)		(CA)
Body mass	0.0000	0.7904	0.3227		DB CO		SM DB WB CA
Fat	0.0000	0.0014	0.3006	-0.17	SM DB CO		DB CA
Physical condition	0.0000	0.1405	0.1843		DB CO		SM NM DB WB CA
n				224		126	

Dry Balearics (DB)		Wet Balearics (WB)		Chafarinas (CH)		N Morocco (NM)		S Morocco (SM)	
r		r		r		r		r	
-0.20	CO			NA		NA		NA	
	CO			NA		NA		NA	
	CO			NA		NA		NA	
				NA		NA		NA	
677		12							
		NA		NA				NA	
CO CA		NA		NA		0.73	CO	NA	
		NA		NA				NA	
CO		NA		NA		0.90	CO	NA	
486						6			
				NA		NA		NA	
CO CA		CO		NA		NA		NA	
-0.10				NA		NA		NA	
CO CA		CO		NA		NA		NA	
364		11							
				NA		NA		NA	
CA		CA		NA		NA		NA	
CA		0.79 DB CO		NA		NA		NA	
CA		CA		NA		NA		NA	
51		14							
-0.07	SM WB	SM NM DB CO (CA)				SM WB		NM DB WB CO CA	
0.09	SM NM WB CO CA	SM NM DB CO				0.43	SM DB WB CO CA	NM DB WB CO CA	
0.17	SM NM WB CO CA	0.20	NM DB CO			0.34	SM DB WB CO CA	NM CO	
0.10	SM NM WB CO CA	SM NM DB CO		SM NM		0.49	SM CH DB WB CO CA	0.15	NM CH DB WB CO CA
1,558		344		9		108		206	
(WB)		0.36 (DB)		NA		NA			
0.22	WB CO CA	DB CO		NA		NA			
	WB CO CA	-0.36 DB CO		NA		NA			
0.20	WB CO CA	-0.40 SM DB CO		NA		NA		WB	
173		31						14	
-0.15	CO	-0.73		NA		NA			
	CO (CA)			NA		NA			
	CO	CO		NA		NA			
	WB CO CA	SM DB CO		NA		NA		WB	
589		8						5	
				NA		NA		CA	
-0.19	WB CO CA	DB CO		NA		NA		CO	
	SM CO CA	-0.93		NA		NA			
	SM WB CO CA	DB		NA		NA		0.28	DB CO
235		6						61	

Appendix 2. (Cont.)

	Significance (P) in ANCOVA Model			Catalonia (CA)		Columbrets (CO)	
Species	Area	Pentad	Interaction	r		r	
<i>Erithacus rubecula</i>							
Third primary length	0.0000	0.0000	0.0597	-0.21	DB	-0.35	DB (WB)
Body mass	0.0000	0.0000	0.0344	-0.12	(NM) DB WB CO	-0.23	NM DB WB CA
Fat	0.0004	0.0000	0.0001	0.15	DB CO	0.10	NM DB WB CA
Physical condition	0.0000	0.0004	0.0044	-0.06	NM DB WB CO	-0.17	NM DB WB CA
n				1,877		638	
<i>Luscinia megarhynchos</i>							
Third primary length	0.0016	0.0000	0.0020	-0.28	NM (WB) CO	-0.19	DB WB CA
Body mass	0.0000	0.7691	0.0137		DB WB CO	0.05	NM DB WB CA
Fat	0.0000	0.0076	0.0000	-0.30	NM DB CO		NM DB WB CA
Physical condition	0.0000	0.0000	0.0042	0.09	NM DB WB CO	0.13	NM DB WB CA
n				1,607		1,164	
<i>Phoenicurus phoenicurus</i>							
Third primary length	0.0000	0.0000	0.3297	-0.18	DB CO	-0.07	CA
Body mass	0.0008	0.0065	0.0042		SM CO		NM (CH) DB WB CA
Fat	0.0000	0.7353	0.0004	0.06	SM DB CO	-0.10	NM DB WB CA
Physical condition	0.0090	0.0312	0.0210		SM NM CO	0.06	SM NM DB WB CA
n				1,146		1,384	
<i>Saxicola rubetra</i>							
Third primary length	0.0000	0.0000	0.3611	-0.29	DB CO		CA
Body mass	0.0000	0.9491	0.8195		SM CH CO		SM (NM) DB CO CA
Fat	0.0000	0.0079	0.4213		SM CH CO		NM DB WB CA
Physical condition	0.0000	0.0000	0.6245		NM DB WB CO		NM DB WB CA
n				341		98	
<i>Turdus philomelos</i>							
Third primary length	0.1195	0.0005	0.7099	-0.16		-0.27	
Body mass	0.0049	0.0422	0.0345		DB CO (WB)		CA
Fat	0.0000	0.0011	0.6756	0.16	DB WB CO		DB CA
Physical condition	0.0000	0.2404	0.0716		DB CO		CA
n				245		66	
<i>Locustella naevia</i>							
Third primary length	0.0001	0.0058	0.7854	-0.12	DB CO		CA
Body mass	0.0000	0.1563	0.4485	0.13	DB CO		CA
Fat	0.0000	0.2037	0.2053	0.12	DB CO		CA
Physical condition	0.0000	0.0530	0.5372	0.16	DB CO		CA
n				325		70	
<i>Acrocephalus schoenobaenus</i>							
Third primary length	0.0000	0.5714	0.1751		NM CO		WB CA
Body mass	0.0000	0.0261	0.3217	0.10	(NM) DB WB CO		WB CA
Fat	0.0000	0.0812	0.2470		NM DB WB CO		WB CA
Physical condition	0.0000	0.0339	0.1714	0.11	DB WB		WB
n				461		40	
<i>Acrocephalus scirpaceus</i>							
Third primary length	0.0000	0.0123	0.0043	-0.15	SM NM DB CO		SM NM DB
Body mass	0.0000	0.0000	0.0000	-0.14	SM NM CH DB CO		NM DB WB CA
Fat	0.0000	0.0000	0.0003	-0.09	NM CH DB CO		NM DB WB CA
Physical condition	0.0000	0.0000	0.0000	-0.10	SM NM CH DB CO		NM DB WB CA
n				9,674		244	

Dry Balearics (DB)		Wet Balearics (WB)		Chafarinas (CH)		N Morocco (NM)		S Morocco (SM)	
r		r		r		r		r	
-0.21	CO CA	(CO)		NA				NA	
-0.11	NM WB CO CA	DB CO CA		NA		DB CO (CA)		NA	
0.04	NM CO CA	0.32 CO		NA		DB CO		NA	
	NM WB CO CA	DB CO CA		NA		DB CO CA		NA	
6,004		103				8			
-0.32	NM WB CO	NM DB CO (CA)				-0.29 DB WB CA		NA	
	NM WB CO CA	NM CH DB CO CA	WB			-0.15 DB WB CO		NA	
	NM CO CA	-0.30 (NM) CO				DB (WB) CO CA		NA	
0.12	NM WB CO CA	DB CO CA				DB CO CA		NA	
1,921		82		14		243			
-0.15	CA								
0.02	SM WB CO	SM DB CO	SM			-0.39 SM CO		NM CH DB WB CA	
	SM CO CA	SM CO				-0.40 SM CO		NM DB WB CA	
0.08	SM NM CO	SM CO	SM			SM DB CO CA		NM CH DB WB CO CA	
5,654		16		11		33		21	
-0.16	CA								
	SM CH CO	SM CH	NM DB WB CA			SM CH (CO)		NM DB WB CO CA	
0.05	SM CH CO	SM CH CO	0.75 NM DB WB CA			SM CH CO		NM DB WB CA	
	NM WB CO CA	DB CO CA				DB CO CA			
1,682		12		9		5		17	
			NA			NA		NA	
	CA	0.70 (CA)	NA			NA		NA	
	CO CA	0.48 CA	NA			NA		NA	
	CA	0.68	NA			NA		NA	
370		15							
	CA	NA	NA					NA	
	CA	NA	NA					NA	
	CA	NA	NA					NA	
	CA	NA	NA					NA	
271						13			
		(NM) CO	NA			(WB) CA			
	(NM) WB CA	SM NM DB CO CA	NA			(DB) WB (CA)		WB	
	(SM) WB CA	NM DB CO CA	NA			0.28 WB CA		(DB)	
	(NM) WB CA	NM DB CO CA	NA			(DB) WB			
109		18				57		10	
-0.08	SM NM CA	-0.35				-0.07 DB CO CA		DB CO CA	
	SM NM CH CO CA	-0.44 SM CO	DB CA			SM DB CO CA		NM WB DB CA	
	CO CA	CO	CA			CO CA			
	SM CH CO CA	-0.34 SM (NM) CH CO	(NM) DB WB CA			SM (CH) (WB) CO CA		NM DB WB CA	
672		39		19		1,144		85	

Appendix 2. (Cont.)

Species	Significance (P) in ANCOVA Model			Catalonia (CA)		Columbrets (CO)	
	Area	Pentad	Interaction	r		r	
<i>Acrocephalus arundinaceus</i>							
Third primary length	0.0001	0.0000	0.3741	-0.31	NM		
Body mass	0.0000	0.0242	0.0727	-0.06	DB WB CO		NM WB CA
Fat	0.0000	0.2060	0.1316		NM WB		NM WB
Physical condition	0.0000	0.0641	0.2296	0.06	DB WB (CO)		NM WB (CA)
n				1,070		5	
<i>Hippolais icterina</i>							
Third primary length	0.0719	0.0042	0.0674		NM		(NM)
Body mass	0.0000	0.0000	0.9083	0.32	NM CO		NM DB CA
Fat	0.0000	0.0004	0.7292		NM CO		NM DB CA
Physical condition	0.0000	0.0001	0.9657	0.36	NM CO		NM DB CA
n				48		27	
<i>Hippolais polyglotta</i>							
Third primary length	0.0000	0.0000	0.2835	-0.29	NM CH DB CO	-0.26	NM CH CA
Body mass	0.0000	0.0387	0.0000	-0.18	NM CH DB CO		NM DB CA
Fat	0.0000	0.1150	0.0000	-0.14	NM CH CO		NM CH DB CA
Physical condition	0.0000	0.0554	0.0000		CH DB CO		NM DB CA
n				662		537	
<i>Sylvia cantillans & moltonii</i>							
Third primary length	0.0000	0.0363	0.0000	-0.33	NM CO	-0.16	DB WB CA
Body mass	0.0000	0.1095	0.0055	-0.10	NM DB CO		NM DB CA
Fat	0.0007	0.0332	0.0002		NM DB CO	-0.15	NM DB (WB) CA
Physical condition	0.0000	0.0191	0.9085		NM DB CO		NM CH CA
n				651		561	
<i>Sylvia communis</i>							
Third primary length	0.0000	0.0000	0.0868	-0.12	NM CH DB CO	-0.06	CH DB CA
Body mass	0.0000	0.0077	0.0000	-0.12	CH DB (WB) CO		NM DB WB CA
Fat	0.0000	0.1766	0.0000		NM CH DB CO	-0.17	NM DB WB CA
Physical condition	0.0000	0.0009	0.0007		CH DB CO	-0.07	NM DB WB CA
n				1,139		1,189	
<i>Sylvia borin</i>							
Third primary length	0.0000	0.0000	0.0090	0.11	NM CH DB CO	0.14	NM CH WB CA
Body mass	0.0000	0.0347	0.0000	0.18	NM DB WB CO		(SM) NM DB WB CA
Fat	0.0000	0.0000	0.0000	0.10	NM DB CO	-0.08	SM NM CH DB WB CA
Physical condition	0.0000	0.0000	0.0000	0.16	NM DB CO		NM CH DB WB CA
n				1,493		1,021	
<i>Sylvia atricapilla</i>							
Third primary length	0.0460	0.0007	0.0110	-0.10	DB	-0.10	DB
Body mass	0.0003	0.0037	0.0085	-0.14	NM DB WB		NM DB WB
Fat	0.0000	0.0000	0.0000	-0.12	NM (WB)	-0.08	NM DB
Physical condition	0.0000	0.0000	0.5479	-0.12	NM DB WB		NM DB WB
n				4,154		537	
<i>Phylloscopus bonelli</i>							
Third primary length	0.0000	0.0000	0.7678	-0.28	NM CH DB		CH
Body mass	0.0000	0.0042	0.0639		CO	-0.23	DB CA
Fat	0.0000	0.2913	0.0407		CO	-0.16	NM DB CA
Physical condition	0.0000	0.0000	0.0305		CO	-0.16	NM (CH) DB CA
n				139		214	

Dry Balearics (DB)		Wet Balearics (WB)		Chafarinas (CH)		N Morocco (NM)		S Morocco (SM)	
r		r		r		r		r	
-0.36	(WB)	-0.42	NM	NA		-0.32	CA WB	NA	
	NM WB CA		NM DB CA CO	NA			DB WB CO	NA	
	NM WB		DB CO CA	NA			DB CO CA	NA	
	NM WB CA		DB CO CA	NA			DB CO	NA	
59		60				83			
	NM (CO)	NA		NA		-0.65	DB CA	NA	
0.18	NM CO	NA		NA			DB CO CA	NA	
0.12	NM CO	NA		NA			DB CO CA	NA	
0.15	NM CO	NA		NA			DB CO CA	NA	
389						10			
-0.13	NM CH CA	NA		-0.15	DB CO CA		DB CO CA		
0.15	CH CO CA	NA		-0.14	NM DB CA		CH CO CA		
0.14	NM CH CO	NA			NM DB CO CA		CH DB CO CA		
0.20	NM CH CO CA	NA			NM DB CA		CH DB CO		
744				388		180		6	
0.05	NM CO	NM CO					DB WB CA	NA	
0.07	NM CO CA						DB CO CA	NA	
	NM CO CA	(CO)		NM			CH DB CO CA	NA	
0.05	NM CH CA	NM		(NM) DB CO			(CH) DB WB CO CA	NA	
1,955		10		22		60			
-0.03	CH CO CA	CH		DB WB CO CA		CA		NA	
0.06	NM CH WB CO CA	CH DB CO (CA)		NM DB WB CA		CH DB CO		NA	
0.05	NM CH WB CO CA	CH DB CO		NM DB WB CA		0.30	CH DB CO CA	NA	
0.06	NM CH CO CA	CH CO		NM DB WB CA			CH DB CO	NA	
5,293		26		41		52			
0.06	NM CH WB CA	NM CH DB CO		DB WB CO CA		DB WB CO CA			
0.22	NM WB CO CA	0.33	CH DB CO CA	NM WB		CH DB CO CA		(CO)	
0.11	SM NM CH WB CO CA		NM DB CO	NM DB CO		CH DB WB CO CA		DB	
0.19	NM WB CO CA	0.32	DB	NM CO		CH DB CO CA			
4,978		54		46		484		9	
-0.15	(WB) CO CA	-0.32	(DB)	NA		-0.13			
-0.17	NM (WB) CO CA	-0.24	NM (DB) CO CA	NA		-0.13	SM DB WB CO CA	NM	
-0.16	CO CA		(CA)	NA			CO CA		
-0.12	NM CO CA	-0.17	NM CO CA	NA			SM DB WB CO CA	NM	
4,340		151				283		31	
-0.21	CH CA	NA		DB CO CA		CA		NA	
	CO	NA						NA	
0.09	CO	NA				CO		NA	
0.09	CO	NA		(CO)		CO		NA	
694				10		11			

Appendix 2. (Cont.)

	Significance (P) in ANCOVA Model			Catalonia (CA)		Columbrets (CO)	
Species	Area	Pentad	Interaction	r		r	
<i>Phylloscopus sibilatrix</i>							
Third primary length	0.0002	0.0000	0.8361	-0.40	DB	-0.21	
Body mass	0.0000	0.0016	0.0844	0.19	(NM) DB CO		NM CH DB WB CA
Fat	0.0000	0.0000	0.8714	0.15	NM DB CO		NM DB WB CA
Physical condition	0.0000	0.0000	0.0564	0.35	CO	0.22	NM (CH) DB WB CA
n				195		150	
<i>Phylloscopus collybita</i>							
Third primary length	0.0000	0.0000	0.0000	-0.38	DB	-0.33	DB WB
Body mass	0.0000	0.0000	0.0000	-0.20	NM DB CO	-0.20	SM NM (DB) WB CA
Fat	0.0000	0.0002	0.0000		(DB) CO		NM DB WB CA
Physical condition	0.0000	0.0270	0.0004		SM NM DB CO		SM NM DB WB CA
n				2,154		856	
<i>Phylloscopus trochilus</i>							
Third primary length	0.0000	0.0000	0.0000	-0.41	NM CH DB WB CO	-0.31	NM CH DB WB CA
Body mass	0.0000	0.0000	0.0000	-0.17	SM CH WB CO	-0.31	SM NM CH DB WB CA
Fat	0.0000	0.0000	0.0000	0.17	NM CH DB CO	-0.18	SM NM DB WB CA
Physical condition	0.0000	0.0000	0.0000	0.02	SM NM CH DB CO	-0.23	SM NM CH DB WB CA
n				8,775		6,624	
<i>Muscicapa striata</i>							
Third primary length	0.0000	0.0000	0.0027		(CH) DB CO	0.07	NM CH (DB) WB CA
Body mass	0.0000	0.0000	0.0000	-0.12	NM DB CO	0.10	NM CH DB WB CA
Fat	0.0000	0.0006	0.0000	-0.18	CH DB CO		NM DB WB CA
Physical condition	0.0000	0.0000	0.0014		NM DB CO	0.07	NM CH DB WB CA
n				256		798	
<i>Ficedula hypoleuca</i>							
Third primary length	0.0000	0.0000	0.1039	-0.29	SM NM DB CO	-0.19	NM CA
Body mass	0.0000	0.0059	0.0004		DB WB CO		NM DB WB CA
Fat	0.0288	0.0002	0.0158		DB WB CO	-0.12	(SM) NM DB WB CA
Physical condition	0.0000	0.0000	0.0009	0.06	NM DB CO		SM NM DB WB CA
n				1,716		466	
<i>Lanius senator</i>							
Third primary length	0.0000	0.0000	0.0001		WB		WB
Body mass	0.0000	0.0000	0.0506		SM DB WB CO	-0.09	SM DB WB CA
Fat	0.0000	0.0302	0.7642		SM NM CO		NM DB CA
Physical condition	0.0000	0.0000	0.1664		SM DB WB CO		SM DB WB CA
n				213		529	

Dry Balearics (DB)		Wet Balearics (WB)		Chafarinas (CH)		N Morocco (NM)		S Morocco (SM)	
r		r		r		r		r	
-0.37	CA					-0.30			NA
0.09	NM WB CO CA	DB		-0.78	CO	DB CO (CA)			NA
0.14	NM WB CO CA	DB				DB CO CA			NA
0.19	NM CO	CO		-0.68	(CO)	DB CO			NA
800		48		9		50			
-0.10	CO CA	-0.19	CO					0.29	
	SM NM WB (CO) CA	0.23	DB CO			DB CO CA			DB CO
-0.10	CO (CA)	0.31	CO			CO			
0.05	SM NM WB CO CA	0.33	DB CO			DB CO CA			DB CO CA
3,296		138		6		82			43
-0.41	NM CH WB CO CA	-0.33	SM NM CH DB CO CA	-0.29	DB WB CO CA	-0.20	DB WB CO CA		WB
-0.30	SM CH WB CO		SM CH DB CO CA	-0.31	SM NM DB WB CO CA	-0.12	SM CH CO		NM CH DB WB CO CA
	NM CH CO CA	0.26	CH CO	-0.15	SM NM DB WB CA	0.10	CH DB CO CA		CH CO
-0.15	SM NM CH CO CA		SM CH CO	-0.24	SM NM DB WB CO CA		SM CH DB CO CA	0.25	NM CH DB WB CO CA
26,550		356		263		513			92
0.13	NM WB (CO) CA	DB CO		(CO) CA		DB CO			NA
0.17	NM WB CO CA	CH DB CO		NM WB CO		-0.45	CH DB CO CA		NA
0.08	WB CO CA	0.42	CH DB CO	WB CA		-0.35	CO		NA
0.10	NM WB CO CA	0.48	DB CO	NM CO			CH DB CO CA		NA
2,916		25		43		35			
-0.22	(NM) WB CA		NM DB			(DB) WB CO CA			CA
0.06	NM WB CO CA		CH DB CO CA		(NM) WB	(CH) DB		-0.23	
0.06	NM WB CO CA	0.20	CH DB CO CA	WB		0.18	DB CO		(CO)
0.11	SM NM WB CO CA	0.25	DB CO				DB CO CA	-0.23	DB CO
4,277		101		9		90			88
-0.27	WB		SM NM (CH) DB CO CA	(WB)		WB			WB
-0.21	SM WB CO (CA)		SM NM CH DB CO CA	(SM) WB		SM WB			NM (CH) DB WB CO CA
	SM NM CO			-0.67	NM	SM CH DB CO CA			NM DB CA
-0.13	SM CH WB CO CA		SM NM CH DB CO CA	DB WB		SM WB			NM DB WB CO CA
1,195		13		13		10			49