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Effect of wind, thermal convection, and variation in flight strategies on the daily rhythm and flight paths of migrating raptors at Georgia's Black Sea coast

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Supplementary Table S3. Coastal proportion of migrants (CPM) per 2-hr interval and per day of year (DOY) for 11 species of raptors observed within 200 m of two survey stations located 2 and 6 km from the Black Sea coast, respectively. Species columns give CPM's as calculated in 2008 and 2009, respectively. Day of year (DOY) 233 is 21 August and DOY 284 is 11 October.

		CPM									
		Sh.-T. Eagle	L. Spot. Eagle	Booted Eagle	Black Kite	Honey Buzzard	Steppe Buzzard	Marsh Harrier	Montagu's/ Pallid Harrier	Levant Sparrowhawk	Sparrow- hawk
DOY	hr	08 09	08 09	08 09	08 09	08 09	08 09	08 09	08 09	08 09	08 09
233	10			0.00		0.00		0.00	0.00		
	12					0.00		0.00	0.00		
	14					0.00					
234	10					0.00			1.00		
	12					1.00					
	14				1.00				0.00		
235	12			0.00	0.00	0.01	1.00	0.47	0.00		
	14			0.00		0.00		0.00	0.43		
236	10					0.24					0.75
	12				0.00	0.00 0.47	0.00	0.03	1.00		0.00
	14			1.00	0.00 1.00	0.00 1.00	0.80	0.00	0.11	0.00	0.00
	16			1.00		0.63					
	18			0.00	0.00	0.00		0.00	0.00		
237	12			0.25	0.00	0.00		0.00	0.17	0.00	0.00
	16			1.00	0.00	0.00		0.00	0.75		
	18			1.00	0.00			0.00	0.00		
238	12					1.00		0.00			
	14			0.00	0.00	0.00					
	18			1.00	0.14	0.00	0.01	0.00	0.00		
239	10				0.22	0.00		0.11			
	12			0.50	1.00 0.00	0.20 0.00	0.00	0.17 0.11	0.00 0.39	0.43	0.00
	14			1.00 0.23	1.00 0.47	1.00 0.00	0.00	0.00	0.00 0.31	0.00	0.67

	16			1.00	0.00	0.26	0.00	0.50	0.01		0.00	0.83	0.60	1.00			
240	10				0.50		0.12		0.46			1.00	0.59	1.00	0.92		
	12				1.00		0.49		0.76			0.36	0.50	0.30	0.00		
	14			0.75	0.76	0.18	0.57	0.30	0.99		0.00	0.25	0.50	0.42	1.00	0.20	0.00
	16				1.00		0.25					0.62	0.91		0.58	0.47	
241	10				0.29		0.00		0.00	0.00		0.33	0.67		0.36		0.46
	12	1.00			0.90	0.93	0.42	0.29	0.86	0.79		0.83	0.76	1.00	0.94	0.26	0.70
	14				1.00		0.26		0.88	0.00		0.25	0.15		0.00		0.00
	16				1.00	0.92	0.95	0.85	0.98	0.91		1.00	0.40	0.57	0.20	0.25	0.25
242	10				0.00				0.02	0.75		0.50	0.40		0.32		0.37
	12				1.00		0.00		0.02			1.00	1.00		0.57		0.43
	14				0.86		0.00		0.01			1.00	1.00		1.00		0.50
	16				0.80				0.00			0.00			0.25		0.67
243	10				0.00					1.00		1.00	0.44				0.75
	12				0.57	0.00	0.00	0.00	0.00	0.00	0.33	0.60	1.00	0.00	0.27		0.16
	14				0.38		0.02		0.00	0.00		0.00	0.00		0.13		0.06
	16				0.93		0.00		0.00	0.00			0.80		0.49		0.15
244	10				0.00		0.12		0.12			0.24	0.63		0.58		0.75
	12				1.00		0.91		0.93	1.00		0.32	0.64		0.71		0.53
	14				0.83		1.00		0.99	1.00		0.53	0.81		0.71		0.55
	16				1.00		0.86		0.86	0.50		0.64	0.81		1.00		1.00
245	14	1.00			1.00		0.14		0.01	0.33		0.00	0.43		0.30		1.00
	16		1.00		1.00		0.04		0.17			1.00	0.00		0.15		0.00
246	10		0.00		0.25		0.00		0.00	0.00		0.50	0.25		0.10		0.55
	12				0.50	0.33	0.00	0.20	0.00	0.01	0.00	0.00	1.00	0.25	0.00	0.00	0.25
	14	0.50			0.00	0.58	0.01	0.04	0.00	0.00	0.00	0.33	0.00	0.25	0.00	0.00	0.00
	16						0.00		0.00	0.00	0.00	0.25	0.00		0.08		0.00
247	10				0.00				0.00	0.50		0.52	0.11		0.28		0.23
	12				0.00		0.09		0.01			0.71			0.00		
	14	0.00	1.00		1.00		0.59		0.49			0.52	0.56		0.08		0.00
248	8						0.00		0.00			1.00	1.00		0.33		0.50
	12			1.00	1.00		0.93			1.00		0.90	1.00		0.67		
	14			1.00	1.00		0.86					1.00	1.00		0.54		
	16				0.75		0.00		0.00	0.00		0.00	0.00		0.33		0.21
249	8							0.00				0.86	0.57				

	10				0.00	0.00	0.00	0.25		1.00	1.00	0.56	1.00	0.58	0.00	0.57	1.00	0.83
	12	0.50	1.00	1.00	0.25	0.95	0.04	0.99	0.01	0.00	1.00	0.25	0.80	0.00	0.33	0.73		0.90
	14			1.00	1.00	0.88	0.01	1.00	0.00	0.50	0.25	0.00	1.00	0.03	0.08	0.00		0.09
250	10			0.50		0.63	0.01	0.71	0.03		1.00	1.00	0.33	1.00	0.46		0.00	1.00
	12			0.80	0.00	0.91	0.00	0.98	0.00	0.00	1.00	0.14	0.88	0.00	0.22	0.09		0.28
	14			0.86	1.00	0.61	0.00	0.16	0.00	0.00	1.00	0.14	0.83	0.13	0.06	0.03		0.00
	16	0.00			0.04		0.01		0.00	0.00		0.08		0.27		0.04		0.22
251	14		0.00	0.60		0.06		0.21			0.33		0.43					0.20
252	12			0.50		0.00		0.01			0.17		0.00		0.70		1.00	
	16		0.00	0.00		0.00		0.00	0.00	0.00	0.00		1.00				0.00	
253	12					0.00		0.00			1.00		0.90		0.00		0.00	
	14				0.83			0.00		0.00	0.00		0.00					
	16		1.00		1.00			1.00		0.04	0.33		1.00		1.00			
254	8					0.00		0.00			0.88		0.80					1.00
	10		0.00		0.75			0.00		0.50	0.79		0.84		0.00			0.90
	12		0.00		0.94			0.46		0.96	0.67		0.25		0.29		0.36	0.78
	14	0.33	0.00		1.00			0.00		0.00	0.00		0.76		0.33			0.59
255	16	0.75	0.50		1.00		0.03		0.02		0.07		0.00		0.30		0.00	0.00
256	10				0.00		0.13		0.01		0.25		0.60		0.73		0.20	
	14		0.00		0.71	0.00	0.39	0.68	0.35	0.07	0.31	0.00	0.67	0.75	0.25	0.71	0.00	0.29
	16				0.06		0.05		0.02		0.05		0.42		0.50		0.07	0.20
257	10				0.00			0.00			0.55		0.67		0.00			0.40
	14		0.00		1.00			0.05	1.00	0.00	0.00							
	16	1.00			1.00		1.00		1.00	1.00			1.00		1.00		1.00	1.00
258	12		0.40		0.29		0.93		0.83		0.20		0.38		0.44		0.67	0.17
259	14			0.00	0.00	0.00	0.00	0.01	0.24	0.00	0.00	0.05	0.18	0.11	0.40	0.00	0.27	1.00
	16		0.09		0.75	0.00	0.04	1.00	0.00	0.13	0.00	0.00	0.35	0.00	0.38	0.50	0.67	1.00
260	12	0.00			0.00		0.00		0.00		0.00		0.00		0.00		0.01	0.28
	14	0.00	0.00		0.24		0.00		0.00		0.00		0.05		0.33		0.00	
261	14	0.00	0.00		0.13		0.01		0.11		0.10		0.17		0.00		0.11	0.00
262	12	0.13	0.00		0.78		0.13		0.44		0.03		0.12		0.10		0.07	0.18
263	10				0.00		0.16		0.81		0.70		0.32		0.52		0.00	
264	10	0.50	0.00	0.24	0.15	0.60	0.31	0.44	0.61	0.48	0.57	0.09	0.16	0.50	0.90	1.00	1.00	0.32
	12		0.22		0.18		0.90		0.77		0.99		0.25		0.83		0.00	0.72
266	10		0.25		0.50				0.17		0.00		0.25		0.11		0.00	0.24

	12		0.27	0.53	0.01	0.29	0.00	0.00	0.20	0.00	0.00
	12	0.00	0.00	0.35		0.68	0.24	0.70	0.00	0.00	0.75
267	14		0.00	0.00 0.36	0.92 0.00	0.78 0.71	0.17 0.75	0.50 0.71	0.27 1.00	0.83	0.33 0.79
	16	0.00		0.17		1.00	0.47	0.92		0.75	0.73
	10	0.00		0.78	0.18	0.00 0.65	0.00 0.02	0.00 0.41	0.17 1.00	0.83	1.00 0.60
268	12	0.18	0.02	0.71	0.83 0.87	0.13 0.96	0.60 0.21	0.71	0.50	1.00	0.75 0.64
	14			0.60	1.00	0.00 0.62	0.25	0.00	0.00 0.00	1.00	0.00
	16	0.05	0.00	0.53	0.00	0.75	0.00	0.00			0.04
269	12		0.47	0.40	0.03	0.33	0.25	0.00	0.33		0.00
	14	1.00	1.00	0.96	0.94	1.00		0.86	0.86	0.00	0.00
270	12	0.25	0.03	0.60	0.98	0.92	0.02	0.50	1.00	0.77	0.13
271	16	0.50	0.57	0.50	0.17	0.91	0.26	0.17	0.50	0.57	0.30
	10	0.00	0.17	0.40	0.00	0.12	0.10	0.50	0.40	0.77	0.30
273	12	0.33	0.13	0.61	0.23	0.28	0.30	0.15	0.00	0.00	0.40
	14	1.00	0.46	1.00	0.38	0.70	0.11		0.50	1.00	0.69
	16	1.00	0.61	0.85	0.82	0.91		1.00	0.00	0.38	0.39
274	10				0.00			1.00			
275	12	1.00	0.31	1.00	0.62	0.91	0.79	0.70			0.74
	16		0.00	1.00	0.85		0.93	0.00	0.67		0.33
276	10			1.00	0.85	0.00	0.04	0.00	1.00		0.42
	10		0.11	0.00	0.21	0.06	0.00	0.50	1.00	0.00	0.30
277	12	0.64	0.11	0.00	0.09	0.18	0.03	0.53	1.00	0.22	0.22
	14	0.20	0.01	0.26	0.05	0.05	0.03	0.50		1.00	0.15
	16	0.14	0.12		0.01	0.11	0.08	0.50	0.00		0.22
279	10				0.50	0.33	0.00	0.85	0.83		0.00
	12	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.04	0.00	0.00 0.03	0.25			0.00 0.05
284	14	1.00	1.00			1.00					1.00