

Electronic Supplemental Material

Lateralization of the avian magnetic compass: analysis of its early plasticity

Dennis Gehring, Onur Güntürkün, Wolfgang Wiltschko and Roswitha Wiltschko

The orientation of individual birds

Table S1 Spring 2011

Bird	Bi (Control) ^(a)			6peL-L ^(a)			6peL-R		
	n	α_b	r_b	n	α_b	r_b	n	α_b	r_b
10-2	4	4°	0.66	3	334°	0.79	3	3°	0.77
10-7	4	342°	0.58	3	43°	0.83	3	335°	1.00
10-18	4	300°	0.43	3	16°	0.89	3	249°	0.77
10-29	4	238°	0.14	3	60°	0.58	3	70°	0.87
10-20	4	1°	0.94	3	23°	1.00	3	352°	0.93
10-21	4	355°	0.84	3	28°	0.95	3	32°	0.90
10-23	4	51°	0.06	3	350°	0.22	3	349°	1.00
10-24	4	358°	0.93	3	19°	0.94	3	80°	1.00
10-25	4	6°	0.75	3	30°	0.36	3	67°	0.18
10-26	4	2°	0.93	3	32°	0.87	3	36°	0.99
10-27	4	1°	0.92	3	359°	0.33	3	18°	0.93
10-28	4	6°	0.93	3	35°	0.45	3	93°	0.40

^(a) already included in Gehring et al. (2012)

Table S2: Spring 2012

Bird	Bi (Control)			L			1½peL-L			1½peL/½-L		
	n	α_b	r_b	n	α_b	r_b	n	α_b	r_b	n	α_b	r_b
11-1	3	4°	0.51	3	351°	0.35	3	325°	0.70	3	91°	0.94
11-2	3	78°	0.37	3	35°	0.39	3	5°	1.00	3	320°	0.58
11-3	3	199°	0.30	3	292°	0.66	3	360°	0.84	3	243°	0.47
11-4	3	360°	0.98	3	53°	0.94	3	10°	0.97	3	89°	0.27
11-5	3	156°	0.39	3	258°	0.51	3	47°	0.48	3	34°	0.36
11-6	3	3°	0.32	3	211°	0.75	3	304°	0.42	3	253°	0.83
11-26	3	4°	0.95	3	281°	0.22	3	42°	0.87	3	350°	0.72
11-8	3	15°	1.00	3	138°	0.31	3	22°	0.69	3	261°	0.55
11-9	2	358°	0.64	3	33°	0.18	2	53°	0.44	2	84°	0.97
11-10	3	348°	0.23	3	32°	0.44	3	339°	0.85	3	182°	0.66
11-11	3	32°	0.37	3	161°	0.60	3	38°	0.26	3	301°	0.33
11-12	3	7°	0.94	3	44°	0.97	3	18°	0.98	3	321°	0.62

Table S3a: Spring 2013, birds of group I

Bird	Bi (Control) ^(b)			3peRFBi-Bi ^(b)			3peRFL-L			3pe92L-92L			3pe92L-92R		
	n	α_b	r_b	n	α_b	r_b	n	α_b	r_b	n	α_b	r_b	n	α_b	r_b
12-1	3	23°	0.98	3	135°	0.24	3	250°	0.17	4	322°	0.11	3	33°	0.91
12-2	3	4°	0.92	3	310°	0.45	3	217°	0.84	4	283°	0.51	3	311°	0.91
12-4	3	42°	0.44	3	13°	0.89	3	68°	0.77	4	81°	0.49	3	201°	0.17
12-5	3	359°	0.71	3	354°	0.98	3	97°	0.32	4	35°	0.39	3	45°	0.89
12-6	3	31°	0.45	3	339°	0.38	3	145°	0.41	4	356°	0.97	3	214°	0.04
12-7	3	14°	0.81	3	13°	0.33	3	132°	0.59	4	323°	0.98	3	305°	0.95
12-8	3	359°	1.00	3	57°	0.42	3	358°	0.87	4	346°	0.51	3	337°	0.33
12-9	3	356°	0.83	3	32°	0.41	3	204°	0.21	3	347°	0.36	3	165°	0.95
12-25	3	357°	0.89	3	46°	0.34	3	43°	0.40	4	11°	0.55	3	249°	0.34
12-16	3	24°	0.84	3	332°	0.96	3	246°	0.41	4	15°	0.94	3	104°	0.64
12-27	3	15°	0.59	3	155°	0.69	3	200°	0.24	4	337°	0.45	3	266°	0.77
12-19	3	332°	0.36	3	351°	0.81	3	316°	0.80	3	6°	0.32	3	275°	0.95

^(b) included in R. Wiltschko et al. (2015)**Table S3b:** Spring 2013, birds of group II

Bird	Bi (Control)			3pe92R-92R		
	n	α_b	r_b	n	α_b	r_b
12-13	3	269°	0.40	2	4°	0.94
12-14	3	335°	0.92	3	357°	0.98
12-15	3	71°	0.36	3	359°	0.90
12-17	1	3°	(1.00)	1	4°	(1.00)
12-18	3	9°	0.93	3	344°	0.85
12-24	3	293°	0.81	3	33°	0.96
12-30	3	226°	0.35	3	155°	0.21
12-31	3	347°	0.97	3	357°	0.91
12-32	3	1°	0.99	3	38°	0.60
12-33	3	26°	0.33	3	13°	0.99
12-34	3	28°	1.00	3	50°	0.63
12.35	3	358°	0.98	3	92°	0.46