

The following supplement accompanies the article

Movement patterns of green turtles at a key foraging site: the Banc d'Arguin, Mauritania.

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Supplement S3: Summary statistics related to the behavior and habitat use of green turtles within the Banc d'Arguin foraging ground.

Table S3. Quantitative results related to the movements and habitat of the turtles tracked within the Banc d'Arguin foraging ground. PTT is the identifier of the turtle/satellite tag and CCL stands for curved carapace length. Life stage is either adult (Ad) or juvenile (Juv), and sex is either female (F), male (M) or unknown (for juveniles). The percentage of locations falling within the Parc National du Banc d'Arguin (PNBA) is indicated for each tracked turtle, as well as the mean and maximum bathymetry values under turtle's locations. The reference bandwidth for kernel calculation was assessed for each turtle and the median value (1060 m) was used as smoothing parameter for Kernel Utilization Distribution (KUD) calculations. The core area and home range correspond to the 50% and 95% KUDs of turtles, respectively. The number of movement phases (or tracking segments) indicates if the turtles shifted area and/or movement range over the course of the foraging period (i.e. present different home range phases characterized by a specific mean and variance of latitude and longitude).

PTT	CCL (cm)	Life stage	Sex	Percentage of locations falling within the PNBA	Mean bathymetry	Maximum bathymetry	Reference bandwidth for kernel calculation (m)	Core area extent (km ²)	Home range extent (km ²)	Number of movement phases
197136	99.9	Ad	F	100	1.7	4.85	477	10.3	46.5	1
197139	55	Juv	unknown	100	7.8	11.00	1009	20.1	93.1	3
197140	62.5	Juv	unknown	100	6.6	11.00	2375	51.0	289.0	2
197141	63.2	Juv	unknown	100	7.2	10.10	2057	20.6	136.0	2
205277	111.2	Ad	F	100	5.0	21.64	1863	33.1	206.5	4
205280	104.3	Ad	F	100	3.1	10.45	2635	46.2	318.8	1
205281	97	Ad	F	100	2.8	7.54	838	17.4	75.8	1
205282	97	Ad	F	100	3.8	15.08	2033	33.7	229.5	2
205288	121.5	Ad	F	99.4	4.7	22.98	3174	41.4	388.6	2
213023	65.6	Juv	unknown	99.2	7.1	21.99	3380	20.8	200.4	5
213025	56	Juv	unknown	100	0.4	2.11	294	6.1	42.3	2
213026	55	Juv	unknown	100	3.9	9.07	598	16.0	75.3	1
213027	60.5	Juv	unknown	100	3.0	9.07	235	6.6	30.0	1
213028	96	Ad	M	100	1.6	4.72	726	18.0	72.6	1

Table S3. Continued

213029	65.9	Juv	unknown	100	2.0	3.20	280	7.5	34.1	1
213030	63.2	Juv	unknown	100	0.9	4.40	741	9.2	75.2	2
213031	56.9	Juv	unknown	100	1.5	5.81	656	13.3	54.2	2
213032	61	Juv	unknown	100	2.5	4.18	461	7.8	54.1	1
213033	62.3	Juv	unknown	100	8.9	11.96	429	6.6	47.6	1
213034	97	Ad	M	100	1.6	2.95	788	19.9	69.5	1
213035	65.8	Juv	unknown	100	2.1	10.00	2387	17.9	241.1	2
213036	68.5	Juv	unknown	100	3.0	16.38	6458	43.2	910.9	2
213038	100	Ad	M	100	1.1	1.27	59	3.0	3.0	1
224390	102	Ad	F	100	2.4	8.41	649	11.4	78.0	2
224391	106.4	Ad	F	100	8.4	17.89	1111	41.2	227.5	5
224393	98.4	Ad	F	100	3.3	9.07	237	7.4	34.7	4
224394	89.3	Ad	F	100	5.2	9.07	572	15.8	72.6	3
224396	98.5	Ad	F	43.2	5.0	17.00	2064	74.2	357.4	4
224397	99.6	Ad	F	0	5.3	8.71	229	7.1	31.8	1
224399	98	Ad	F	100	4.6	15.59	5476	14.9	107.1	4
224400	102.6	Ad	F	100	4.0	15.08	1355	15.5	110.8	2
60865	113.5	Ad	F	30.2	5.6	16.11	1728	22.5	150.3	2
60886	104	Ad	F	100	1.0	1.16	132	5.5	12.4	1
60887	105	Ad	F	68.2	8.3	17.00	2194	23.8	173.5	1
60889	104	Ad	F	97.9	3.6	17.58	1547	21.0	171.5	2
60891	92.5	Ad	F	100	4.3	11.00	1785	35.7	218.4	2
60892	106	Ad	F	100	5.7	13.32	1343	23.3	147.5	2
60898	95	Ad	F	99.7	2.4	21.99	1632	20.3	170.3	5