

1 **Table**

2 Table S1. Summary of the data collected from the 49 juvenile green turtles satellite tracked. N refers to the total number of GPS locations
 3 retained for the analysis.

Turtle ID	Site	Start date	End date	Nloc	Distance (km)	Duration (d)	Weight (kg)	CCL (cm)
112120	Europa	19/11/2011	24/11/2011	13	5	5	17.6	55
112121	Europa	20/11/2011	19/01/2012	21	8	60	14	52
32874b	Europa	20/11/2011	07/09/2012	73	71	292	30.1	65
32887b	Europa	19/11/2011	14/03/2012	138	106	116	20.4	58.5
32888b	Europa	19/11/2011	08/04/2012	224	180	141	15.1	53
32897b	Europa	20/11/2011	07/04/2012	382	194	139	37.1	65
32898b	Europa	20/11/2011	27/04/2012	209	162	159	25.7	62
32899b	Europa	20/11/2011	18/02/2012	90	28	90	20.4	59
32901b	Europa	20/11/2011	08/08/2013	85	74	627	26.9	63
32905b	Europa	23/11/2011	15/12/2011	70	36	22	15.9	55
32907b	Europa	25/11/2011	28/05/2012	481	439	185	26.5	63.5
148232	Glorieuses	02/10/2015	09/12/2016	575	459	434	26.25	61.5
148233	Glorieuses	28/09/2015	31/10/2015	61	54	33	23.1	59.5
148234	Glorieuses	30/09/2015	08/02/2016	258	428	131	49.1	75.5
152021	Glorieuses	28/09/2015	23/11/2015	212	146	56	26.1	63
152022	Glorieuses	29/09/2015	30/11/2015	310	212	62	19.5	56
152023	Glorieuses	26/09/2015	28/01/2016	212	210	124	23.4	61
152024	Glorieuses	30/09/2015	06/01/2016	104	91	98	12.7	49
152025	Glorieuses	30/09/2015	25/01/2016	181	130	117	38.8	71
152026	Glorieuses	30/09/2015	28/01/2016	216	223	120	20.9	58.5
152027	Glorieuses	01/10/2015	29/12/2015	202	146	89	12.3	48.5
112120b	JuandeNova	06/04/2015	20/09/2015	170	168	167	15.8	51

112121b	JuandeNova	06/04/2015	07/09/2015	204	247	154	14.4	51
121820	JuandeNova	06/04/2015	11/10/2015	140	146	188	11.6	45
136828	JuandeNova	06/04/2015	18/12/2015	335	178	256	14.8	50
136829	JuandeNova	08/04/2015	30/10/2015	294	121	205	22.4	57.5
147110	JuandeNova	07/04/2015	19/10/2015	91	77	195	22.07	58
147154	JuandeNova	07/04/2015	25/08/2015	242	196	140	29.8	53
147155	JuandeNova	09/04/2015	07/08/2015	251	258	120	19.7	54.5
147156	JuandeNova	06/04/2015	06/09/2015	293	157	153	13.54	50
148235	Mayotte	12/10/2015	11/03/2016	846	268	151	29.1	62.5
148236	Mayotte	12/10/2015	06/03/2016	501	253	146	41.4	71
148237	Mayotte	12/10/2015	07/04/2016	799	343	178	45.4	74
148238	Mayotte	12/10/2015	16/01/2016	441	167	96	48	74.5
148239	Mayotte	12/10/2015	19/12/2015	359	164	68	21.96	58
148240	Mayotte	12/10/2015	15/01/2016	580	248	95	46.26	73.5
152028	Mayotte	12/10/2015	05/03/2016	766	348	145	18.9	56
152029	Mayotte	13/10/2015	30/12/2015	558	296	78	35.8	67
152030	Mayotte	12/10/2015	08/03/2016	1108	358	148	32.1	66.5
121819	Reunion	28/11/2012	23/06/2013	937	214	207	12.39	47
32888c	Reunion	28/11/2012	05/02/2013	1737	293	69	27.48	61.5
32888d	Reunion	08/03/2013	26/03/2013	123	13	18	24.5	57.5
32897c	Reunion	28/11/2012	31/03/2013	1474	170	123	17.64	53
32899c	Reunion	28/11/2012	11/04/2013	2723	432	134	24.84	58
32900b	Reunion	25/10/2010	11/02/2011	702	745	109	43	69
169513	Reunion	14/05/2018	01/07/2018	164	273	48	39.52	71
169514	Reunion	14/05/2018	28/06/2018	82	172	45	20.74	55
169515	Reunion	14/05/2018	29/07/2018	152	176	76	50	77.5
169516	Reunion	14/05/2018	28/06/2018	88	97	45	19.6	56
				<i>414±496</i>	<i>204±139</i>	<i>136±104</i>	<i>25.8±10.8</i>	<i>59.8±8.1</i>