

*The following supplement accompanies the article*

## **Seasonal diving behaviour and feeding rhythms of green turtles at Mayotte Island**

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**Supplement.** Specifications of Temperature-Time-Depth Recorder deployments for 19 green turtles *Chelonia mydas* instrumented at Mayotte between 2005 and 2008.

Table S1. *Chelonia mydas*. Individual characteristics and Temperature-Time-Depth Recorder (TDR) deployment specifications for 19 TDR-instrumented green turtles at N’Gouja Bay, Mayotte, between 2005 and 2008. The individuals CM5 and CM14 were sampled twice but during different years. CCL: curved carapace length

Turtle code	CCL (cm) × Body mass (kg)	TDR model <sup>a</sup>	TDR-deployment code	Sampling interval (s)	Year	Season	Start time (dd/mm)	Deployment		Concurrent focal observation (>0.8 m dives)
								Duration (days)	Concurrent FGPS <sup>c</sup> (d)	
CM1	91.0 × –	PTD	05s1	4	2005	summer	25/03	21	no	–
CM2	103.0 × –	PTD	05s2	4	2005	summer	25/03	22	no	–
CM3	93.0 × –	PTD	05s3	2	2005	summer	25/03	12	no	–
CM4	85.0 × –	PTD	05s4	2	2005	summer	25/03	12	no	–
CM5	103.0 × –	PTD	06s1	4	2006	summer	23/03	15	no	–
	103.0 × 134.0	PD2GT	07s4 – 07s5 <sup>b</sup>	2–2	2007	summer	15/04–23/04	5–5	no	74
CM6	100.0 × –	PTD	06s2	4	2006	summer	23/03	22	no	–
CM7	92.0 × –	PTD	06s3	4	2006	summer	23/03	9	no	–
CM8	97.0 × 104.0	PTD	07s1	4	2007	summer	13/04	24	no	7
CM9	91.5 × 97.0	PD2GT	07s2	2	2007	summer	15/04	4	no	21
CM10	98.0 × 112.2	PD2GT	07s3 – 07s6 <sup>b</sup>	2–2	2007	summer	15/04–23/04	5–5	no	3
CM11	103.0 × 114.4	PD2GT	07w1	1	2007	winter	03/07	5	5	–
CM12	104.0 × 109.0	PD2GT	07w2	1	2007	winter	03/07	5	no	–
CM13	96.0 × 96.0	PD2GT	07w3	1	2007	winter	04/07	4	4	–
CM14	104.0 × 127.8	PTD	07w4	4	2007	winter	04/07	23	16	35
	104.0 × 130.2	D2GT	08w2 – 08w3 <sup>b</sup>	1–1	2008	winter	06/08–12/08	4–3	no	3
CM15	98.0 × 108.4	PD2GT	08s1	1	2008	summer	29/04	4	no	2
CM16	100.0 × 114.4	PD2GT	08s2	1	2008	summer	01/05	5	no	6
CM17	91.0 × 86.8	D2GT	08w4	1	2008	winter	08/08	4	no	3
CM18	98.5 × 117.2	D2GT	08w5	1	2008	winter	08/08	5	no	–
CM19	94.0 × 96.0	D2GT	08w6	1	2008	winter	08/08	3	no	–

<sup>a</sup>PTD: external temperature, depth; PD2GT: swimming speed (propeller), depth, 2 axis accelerations, external temperature; D2GT: depth, 2 axis accelerations, external temperature

<sup>b</sup>TDRs deployed twice in succession

<sup>c</sup>Number of days with locations data (FGPS: Fastloc Global Positioning System)

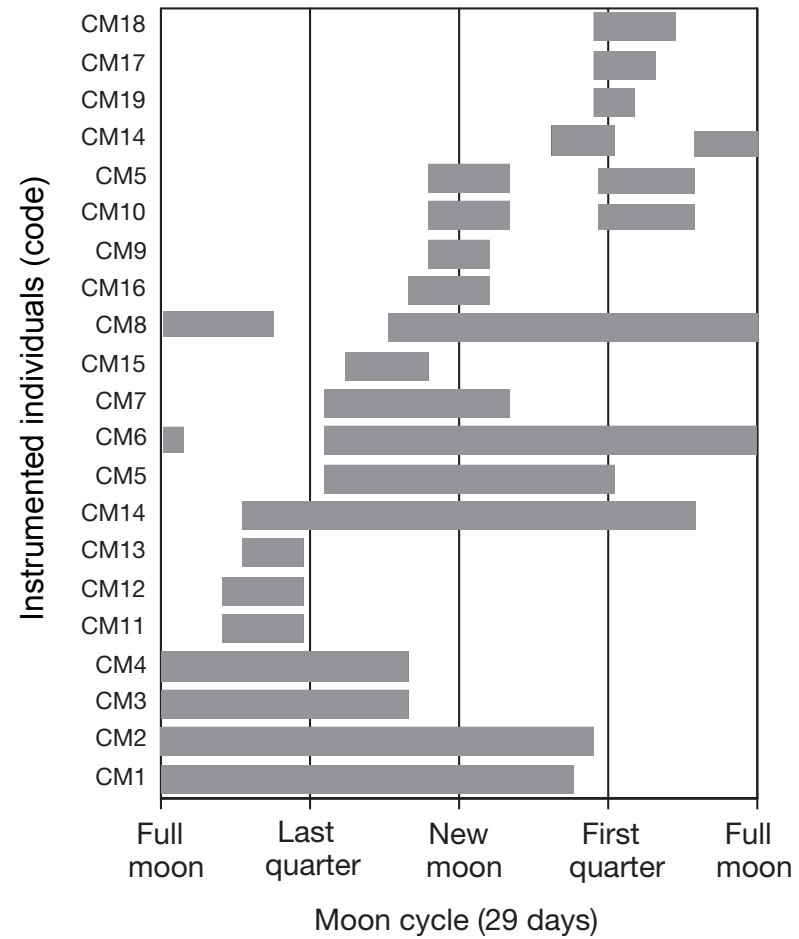


Fig. S1. *Chelonia mydas*. Temperature-Time-Depth Recorder (TDR) deployments (see Table S1) according to moon cycle. Spring tide occurred during full and new moons, while neap-tide occurred during the last and first quarters of the moon cycle