

Supplementary material

**Evidence of site fidelity and deep diving behaviour of scalloped hammerhead shark (*Sphyrna lewini*) around the Saint Peter and Saint Paul Archipelago, in the equatorial Mid-Atlantic ridge**

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**Table S1. Scalloped hammerhead shark diving behaviour**

Results of generalised linear models for the influence of shark diel cycle (Diel) and lunar cycle (Moonlight) on maximum diving depth (maxdepth) and time spent at mixed layer (ML) and thermocline (TC). Included are the parameter estimates, 95% confidence intervals (CI), standard errors (s.e.), the t statistic (t-stat) with the corresponding *P*-value, the deviance explained (d.e.) and the Akaike Information Criterion (AIC)

Response	Final model	Term	Estimate	95% CI	s.e.	t-stat	Pr (> t )	d.e. (%)	AIC
maxdepth	~diel	Intercept	214.67		30.7	6.992	1.56E-10	9.33	1685.1
		Diel <sub>night</sub>	141.65		39.21	3.612	0.000442		
ML	~diel	Intercept	-0.7217		0.2247	-3.212	0.00132	4.22	246.4
		Diel <sub>night</sub>	0.5429		0.3034	1.79	0.07353		
TC	~diel	Intercept	2.1716		0.3478	6.244	4.27E-10	23.05	159.1
		Diel <sub>night</sub>	-1.5616		0.4076	-3.831	0.000128		