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Appendix 1. Curved carapace length (CCL) measurements of nesting leatherback turtles from different Regional Management Units (RMUs). RMUs were defined in Wallace et al. (2010). CCL measurements are divided between two unique techniques CCL_{offset} and CCL_{ridge} . CCL_{ridge} measurements are standardised using the correction factors calculated in this study.

RMU	Location	Mean CCL_{offset} (cm) (\pm SD)	Mean CCL_{ridge} (cm) (\pm SD)	Standardised CCL (cm)	Determination of technique	Reference
Atlantic: Northwest	Colombia: La Playona	150.6 \pm 7.0 (n=69)		150.6 \pm 7.0	Confirmed via F Chaverra,	Fundación Mama Basilia, unpublished data (2013)
	Costa Rica: Gandoca	153.2 \pm 7.4 (n=2751)		153.2 \pm 7.4	Confirmed via KL Eckert	Chacón & Eckert (2007)
	Costa Rica: Playa Norte	150.6 \pm 7.9 (n=100)		150.6 \pm 7.9	Stated in publication	Ros et al. (2013)
	Costa Rica: Tortuguero		156.2 \pm 10.6 (n=35)	153.6 \pm 10.3	Confirmed via author	Leslie et al. (1996)
	French Guiana: Yalimapo		159.1 \pm 7.0 (n=49)	156.4 \pm 6.7	Stated in publication	Georges & Fossette (2006)
	Guyana: Almond Beach	154.1 \pm 6.2 (n=183)		154.1 \pm 6.2	Confirmed via R DeFreitas and PCH Pritchard	GMTCS, unpublished data (2005)
	Suriname: Multiple beaches	154.1 \pm 6.7 (n=1,840)		154.1 \pm 6.7	Stated in publication	Hilterman & Goverse (2007)
	Trinidad: Matura Beach	154.5 \pm 5.0 (n=17,884)		154.5 \pm 5.0	Confirmed via SA Eckert	Nature Seekers, unpublished data (1992– 2007)
	US Virgin Islands: St. Croix	153.8 \pm 6.1 (n=27)		153.8 \pm 6.1	Confirmed via author	P Dutton & D Dutton, unpublished data (1994)
	US Virgin Islands: St. Croix	153.8 \pm 6.1 (n=27)	156.2 \pm 6.3 (n=27)	153.8 \pm 6.1	Both techniques used	This study
Atlantic: Southeast	USA: Juno Beach	151.8 \pm 6.6 (n=174)		151.8 \pm 6.6	Stated in publication	Stewart et al. (2007)
	USA: Juno Beach	152.0 \pm 6.2 (n=101)	154.4 \pm 6.3 (n=101)	152.0 \pm 6.2	Both techniques used	This study
	Venezuela: Playa Cipara, Playa Querepare	151.8 \pm 6.2 (n=403)		151.8 \pm 6.2	Stated in publication	Rondón-Medicci et al. (2011)
	Equatorial Guinea: Bioko Island		150.0 \pm 13.2 (n=23)	147.5 \pm 12.8	Confirmed via author	Honarvar et al. (2011)

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Appendix 1. Continued.

RMU	Location	Mean CCL _{offset} (cm) (\pm SD)	Mean CCL _{ridge} (cm) (\pm SD)	Standardised CCL (cm)	Determination of technique	Reference
	Gabon: Gamba Complex		150.4 \pm 7.6 (n=819)	147.9 \pm 7.3	Confirmed via A Formia.	Verhage et al. (2006)
Atlantic: Southwest	Brazil: Espírito Santo	159.8 \pm 10.5 (n=24)		159.8 \pm 10.5	Stated in publication.	Thomé et al. (2007)
Pacific: East	Costa Rica: Playa Grande	147.0 \pm 5.9 (n=152)		147.0 \pm 5.9	Stated in publication	Price et al. (2004)
	Costa Rica: Playa Grande	144.5 \pm 6.2 (n=21)	147.8 \pm 6.6 (n=21)	144.5 \pm 6.2	Both techniques used	This study
	Costa Rica: Playa Langosta	144.9 \pm 6.7 (n=304)		144.9 \pm 6.7	Confirmed via author	Piedra et al. (2007)
	Mexico: Michoacán, Guerrero, Oaxaca	143.8 \pm 6.9 (n=6,466)		143.8 \pm 6.9	Confirmed via AR Barrágan	Sarti Martinez et al. (2007)
Pacific: West	Australia: Queensland		162.0 \pm 6.9 (n=11)	159.3 \pm 6.6	Confirmed via author	Limpus & McLachlan (1994)
	Papua New Guinea: Kamiali, Huon Coast		166.0 \pm 7.8 (n=96)	163.2 \pm 7.5	Confirmed via author	Pilcher (2006)
Indian: Northeast	India: Great Nicobar Island	155.0 \pm 8.6 (n=397)		155.0 \pm 8.6	Confirmed via author	K Shanker, unpublished data (2000–2002)
	India: Little Andaman Island	159.5 \pm 8.4 (n=101)		159.5 \pm 8.4	Confirmed via author	K Shanker, unpublished data 2008–2015
Indian: Southwest	Mozambique: Multiple beaches		157.5 \pm 8.4 (n=15)	154.8 \pm 8.1	Confirmed via S Kyle	Luoro (2006)
	South Africa: iSimangaliso Wetland Park		160.5 \pm 10.2 (n=2,235)	157.8 \pm 9.9	Confirmed via author	Nel et al. (2013)
	South Africa: iSimangaliso Wetland Park	158.7 \pm 7.7 (n=97)	161.9 \pm 7.9 (n=96)	158.7 \pm 7.7	Both techniques used	This study

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