

**Table S1.** Summary and sources of GPS data used in analyses.

Species	Unit Type	N individuals	Duration (mo.)	Fix interval pre-processing	Fix interval post-processing	Total fixes post-processing	Source
African buffalo	GPS	5	5 ± 2.2	1-hour	1-hour	11197	Bar-David <i>et al.</i> 2009
African elephant	GPS	8	17.5 ± 5.2	20-minute	1-hour	93583	Unpublished <sup>3</sup>
African wild dog	GPS	13 (1 per pack)	7 ± 2.3	5-minute	1-hour	55675	Unpublished <sup>2</sup> , but see Abrahms <i>et al.</i> 2016
Black-backed jackal	GPS	15	9.4 ± 4.7	1-hour	1-hour	98678	Bellan <i>et al.</i> 2012
California sea lion	ARGOS	15	2.4 ± 0.3	variable	1-hour	26416	Unpublished <sup>1</sup>
Cheetah	GPS	5	7 ± 3.6	5-minute	1-hour	25421	Unpublished <sup>2</sup> , but see Wilson <i>et al.</i> 2013
Galapagos albatross	GPS	8	3 ± 0.9	1.5-hour	1-hour	16979	Dodge <i>et al.</i> 2013
Galapagos tortoise	GPS	8	18 ± 2.7	1-hour	1-hour	103621	Blake <i>et al.</i> 2012
Lion	GPS	9	7 ± 3.3	5-minute	1-hour	41278	Unpublished <sup>2</sup>
N. elephant seal	ARGOS	15	7.5 ± 0.5	variable	1-hour	64281	Robinson <i>et al.</i> 2012
Springbok	GPS	10	8.7 ± 2.3	1-hour	1-hour	59593	Lyons, Turner & Getz 2013
White-backed vulture	GPS	10	8.5 ± 4.9	10-minute	1-hour	30454	Spiegel, Getz & Nathan 2013
Plains zebra	GPS	9	11.8 ± 3.1	20-minute	1-hour	67829	Unpublished <sup>3</sup>

<sup>1</sup>Daniel P. Costa, Department of Ecology and Evolutionary Biology, University of California-Santa Cruz, costa@ucsc.edu

<sup>2</sup>Alan M. Wilson, Structure & Motion Lab, Royal Veterinary College, University of London, awilson@rvc.ac.uk

<sup>3</sup>Wayne Getz, Department of Environmental Science, Policy, and Management, University of California-Berkeley, wgetz@berkeley.edu

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