

Sensitivity of results to lower temporal resolution of movement data

Table S2. Contributions of variables to and cumulative percentage of variance explained by principal components for movement data subsampled to 3-hour fix intervals.

	PC1	PC2	PC3	PC4	PC5
Turn Angle Correlation	0.48	0.31	-0.20	-0.71	0.36
Residence Time	-0.47	0.39	0.54	-0.00	0.57
Time-to-Return	0.33	-0.50	0.74	-0.25	0.09
Volume of Intersection	-0.54	0.12	0.04	-0.61	-0.56
Maximum Net Squared Displacement	0.38	0.69	0.32	0.24	-0.46
Cumulative Percentage of Variance Explained	48.7%	70.7%	81.9%	93.4%	100%

Table S3. Summary of 130 individuals within 13 species analyzed into cluster classifications for movement data at hourly intervals and subsampled to 3-hour fix intervals.

<i>Species</i>	<i>N ind.</i>	Mig. (1-hr)	Mig. (3-hr)	CPF (1-hr)	CPF (3-hr)	Nomad. (1-hr)	Nomad. (3-hr)	Ter. (1-hr)	Ter. (3-hr)
African buffalo	5	-	-	-	-	2	3	3	2
African elephant	8	-	-	1	-	4	1	3	7
African wild dog	13	-	-	9	7	1	1	3	5
Black-backed jackal	15	-	-	15	15	-	-	-	-
California sea lion	15	1	1	14	5	-	9	-	-
Cheetah	5	-	-	-	-	-	-	5	5
Galapagos albatross	8	-	-	8	6	-	2	-	-
Galapagos tortoise	8	4	4	4	4	-	-	-	-
Lion	9	-	-	1	2	1	3	7	4
N. elephant seal	15	15	15	-	-	-	-	-	-
Plains zebra	9	-	-	-	-	6	3	3	6
Springbok	10	2	-	4	5	4	5	-	-
White-backed vulture	10	-	-	2	7	3	2	5	1
TOTAL	130	22	20	58	51	21	29	29	30





