

How morphology and thermal ecology relates to diurnal microhabitat
use and selection across seasons in two habitats of the nocturnal
Tarentola delalandii from Tenerife

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Supplementary material

Table S1. Climatic data for each sampled site and month as obtained from meteorological stations close to study sites. T: Mean temperature in °C, PP: Total rainfall in mm and H: Relative humidity in %. a) Spring-Summer of 2013; b) Autumn-Winter of 2014-2015; c) Spring-Summer of 2015.

a)	Geneto (North)				El Médano (South)			
	April	May	June	July	April	May	June	July
T	17.6	14	17	21	21	20.6	22	23.6
PP	10.15	9.39	5.58	1.53	0	0	0	0
H	63.2	65.7	75.2	70	57.1	58.1	61.3	70
b)	October	November	December	January	October	November	December	January
T	23.5	18.1	15.8	14.5	23.7	22.1	20	18.5
PP	96.7	346.3	75.3	47.1	27.6	23.7	1.5	0
H	76	89	85	81	64	64	59	55
c)	April	May	June	July	April	May	June	July
T	18.2	22.9	21	25.4	19.2	21.9	22	25.6
PP	7.5	5.7	21.5	2.3	0	0	0	0
H	80	871	85	75	64	63	67	63

Table S2. Mean, standard error (S.E.), minimum and maximum values and sample size (N) of morphological traits in males, females and juveniles of the two populations of *T. delalandii* captured.

Population	Sex		BM(g)	SVL(mm)	HW(mm)	TH(mm)
North	Males	Mean	9	62	15.1	6.3
		S.E	0.2	0.6	0.19	0.07
		Min-Max	4.3-18	50-74	1.92-18.9	4.9-9.2
		N	97	97	96	97
	Females	Mean	6.1	54.4	12.9	5
		S.E	0.2	0.5	0.1	0
		Min-Max	2.7-10.5	46-68	11-14.9	4-6.1
		N	90	90	90	90
	Juveniles	Mean	1.8	34.3	8.4	3.2
		S.E	0.1	0.9	0.2	0.9
		Min-Max	0.7-4.5	25-48	5.8-11.9	2.1-4.5
		N	52	58	53	53
South	Males	Mean	4.5	50.2	12	4.9
		S.E	0.1	0.4	0.1	0.1
		Min-Max	2-7.5	39-60	9.1-14	3.4-6.4
		N	87	87	87	87
	Females	Mean	3.6	47	10.9	4.1
		S.E	0.1	0.3	0.1	0
		Min-Max	1.6-6	39-54	9.1-13	2.7-5.1
		N	115	115	115	115
	Juveniles	Mean	1.6	33.8	8.14	3
		S.E	0.1	0.6	0.1	0.1
		Min-Max	0.5-4	23-45	5.7-10.6	1.9-4.4
		N	84	92	84	84

Table S3. Basic statistics of the microhabitat variables where males, females and juveniles of the two populations were located. a) Autumn-Winter; b) Spring-Summer. See Materials and methods section for abbreviations.

a)												
Population	Sex		HER_COV	SHR_COV	STO_COV	LEA_COV	STONE T ^e	ENV_T ^e	HUM.	S_W	S_H	S_L
Geneto (North)	Males	Mean	33.3	15	73.2	20.4	18.5	19.7	56.4	20	12.5	26.4
		S.E	3.28	3	2.87	2.14	0.54	0.52	2.53	1.14	1.2	1.3
		Min-Max	0-75	0- 80	20- 100	5- 60	13.7- 30	15.2- 27.1	22- 87	8-33	5-40	10-47
	Females	N	38	38	38	38	38	38	38	38	38	38
		Mean	21.5	10.8	63.3	19	20.6	21.1	56.6	23.3	12.6	29.9
		S.E 3.22	1.92	4.39	3.5	1.18	0.85	3.46	1.63	1.41	1.46	
	Juveniles	Min-Max	0- 50	0- 30	10- 100	0- 75	13.4-33	15.3- 27.4	28- 85	8-38	4-29	12-41
		N	24	24	24	24	24	24	24	24	24	24
		Mean	27.9	7	61.8	16.4	21.6	20.2	52.7	18	12.2	23.4
		S.E	4.55	1.76	4.75	3.81	1.53	0.88	3.7	1.27	1.57	2.09
		Min-Max	0- 80	0- 30	15- 100	0- 70	13.8- 40.1	15.8- 27.2	23- 88	7-33	4-28	12-44
		N	22	22	22	22	22	22	22	22	22	22
El Médano (South)	Males	Mean	6.1	11.3	47.1	13.1	23.6	23.4	41.7	20.6	11.3	28.3
		S.E	1.82	3.24	4.4	2.43	0.73	0.69	2.15	1.82	0.97	1.85
		Min-Max	0- 40	0- 50	15- 90	0- 50	17.9- 33.9	18.7- 30.6	24- 64	11-47	3-23	14-56
	Females	N	26	26	26	26	26	26	25	26	26	26
		Mean	6.7	15.6	48	17.2	25.4	24.7	44.7	18.9	12.5	26.68
		S.E	1.66	2.95	3.36	3.14	0.87	0.63	2.44	1.65	0.97	1.83
	Juveniles	Min-Max	0- 45	0- 60	15- 80	0- 80	17.9- 35.5	19.3- 30.9	22- 68	7-52	4-26	13-56
		N	32	32	32	32	32	32	31	32	32	32
		Mean	4.86	12.14	48.14	12.86	24.92	24.16	45.62	15.3	8.8	20.9
		S.E	1.01	2.22	3.41	2.96	0.5	0.5	1.82	1.2	0.76	1.45
		Min-Max	0- 30	0- 55	20- 85	0- 80	20.1- 30.8	19.6- 29.4	25- 67	6-41	2-20	9-49
		N	35	35	35	35	35	35	34	35	35	35

b)

Population	Sex		HER_COV	SHR_COV	STO_COV	LEA_COV	STONE T ^e	ENV_T ^e	HUM. S_W	S_H	S_L
Geneto (North)	Males	Mean	12.5	20 38.2	49.1	24.7	22.4	34.8	24.3	17	34.7
		S.E	2.17	3.07	2.8	3.95	0.69	0.49	1.72	1.06	1.16 1.39
		Min-Max	0- 75	0- 90	10- 80	5- 90	14.4- 38.3	16.4- 33.8	15- 59	11-47	1-51 18-59
		N	53	53 53	53	52	53	52	53	53	53
	Females	Mean	12.7	17.6	52.7	41.4	24	22	38.8	21.8	14.3 29.2
		S.E	1.84	2.55	3.1	3.09	0.57	0.33	1.68	10.5	0.97 1.22
		Min-Max	0- 60	0- 80	15- 90	5- 90	16.2- 36	16.1- 33.8	15- 65	8-52	1-39 14-53
		N	62	62 62	62	62	62	62	62	62	62
	Juveniles	Mean	14.4	20.6	45	39.7	23.8	22.9	41.7	19.5	12.5 28.1
		S.E	2.33	2.93.53	3.39	0.76	0.59	2.2	1.14	0.97	1.6
		Min-Max	0- 50	0- 70	10- 85	0- 75	16.7- 32.9	16.7- 33.7	15- 65	8-52	1-39 14-53
		N	36	36 36	36	36	36	36	36	36	36
El Médano (South)	Males	Mean	8.3	10.5	42.9	9.8	27.2	25.4	36.4	22.4	13.7 30.8
		S.E	1.83	1.42.37	1.06	0.44	0.28	1.38	1.08	1.09	1.44
		Min-Max	0- 75	0- 45	10- 80	0- 40	20.5- 35.2	20.6- 31.5	15- 58	8-45	3-43 11-62
		N	61	61 61	61	61	61	61	61	61	61
	Females	Mean	5.2	10.2	43.4	11	27.7	25.8	34.1	20.2	14.1 28.2
		S.E	0.95	1.33	1.98	1.16	0.38	0.23	1.22	1	0.89 1.3
		Min-Max	0- 60	0- 60	10- 80	0- 50	19.4- 36.2	20.6- 31.5	15- 57	9-46	2-43 11-60
		N	82	83 83	83	81	83	83	83	83	83
	Juveniles	Mean	9	12.1	42.9	12.5	27.5	25.2	39.2	21.3	14.2 30.2
		S.E	1.29	1.57	2.65	1.37	0.51	0.32	1.28	1.71	1.26 2.32
		Min-Max	0- 40	0- 50	15- 90	0- 40	19.4- 37	21- 32.2	17- 58	7-67	2-47 8-84
		N	58	58 58	58	58	58	58	58	58	58

Table S4. Mean values, standard error, range and sample size for cloacal temperatures (°C) of the specimens collected in each zone and time of year. (Au-Wi: Autumn-Winter; Sp-Su: Spring-Summer). M: males, F: females, J: juveniles.

	Geneto (North)						El Médano (South)					
	Au-Wi			Sp-Su			Au-Wi			Sp-Su		
	M	F	J	M	F	J	M	F	J	M	F	J
Mean	21.01	23.48	27.03	25.46	25.18	27.7	24.95	26.45	26.09	28.25	27.66	28.93
S.E.	0.59	1.04	2.95	0.89	0.78	0.81	0.71	0.72	1.07	0.5	0.64	0.86
Min – Max	15.85-32.36	15.14-33.11	15.85-34.67	15.49-33.88	17.38-33.88	22.91-33.11	18.20-34.67	19.95-33.88	20.89-29.51	22.39-33.11	22.91-33.88	20.42-33.11
N	38	24	6	25	35	14	26	32	10	26	29	16