

Selection of diving strategy by Antarctic fur seals depends on where and when foraging takes place

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Supplement 1. Summary of morphological and diving behaviour characteristics of lactating Antarctic fur seal females studied at Heard Island. BDG: Behavioural Dive Group (1 = deep; 2 = shallow-active; 3 = shallow).

Female ID	BDG	Depart. date	Depart. mass (kg)	Standard Length (cm)	Trip duration (d)	Dive freq (dives/hr)	Night dive frequency (dives/hr)	Mean dive duration	Prop. time submerged	Prop. night time submerged	Prop. dives in bouts	Mean No. dives per bout	Prop. dives at night	Vertical depth travelled/hr of night (m)	Prop. vertical depth dived at night	Vertical depth travelled per day (m)	Mean dive depth (m)	Mean depth deep dives (m)	Mean depth shallow dives (m)	Prop night dive duration - shallow	Max. dist (km)	Heading (degrees)
2	1	13-Dec	27.4	116	9.89	9.8	29.7	74.6	0.202	0.580	0.743	41.0	0.846	1515	0.767	13195	28.2	43.4	11.2	0.296		
3	1	5-Dec	37.0	125	7.66	7.8	21.4	100.2	0.218	0.566	0.925	25.7	0.777	1509	0.708	14589	38.7	57.3	5.1	0.179	230	76
5	3	8-Dec	45.0	125	2.69	4.8	13.2	126.7	0.168	0.446	0.860	44.2	0.903	844	0.980	6725	11.9	37.5	9.0	0.101	56	248
6	1	2-Dec	30.0	125	7.93	13.4	31.6	84.9	0.315	0.643	0.968	54.8	0.750	2011	0.628	15316	29.4	54.3	10.5	0.198	202	62
7	1	7-Dec	38.2	116	2.80	7.4	17.9	125.6	0.257	0.638	0.923	35.2	0.812	2030	0.923	16292	38.0	55.7	6.8	0.010		
9	2	10-Dec	29.8	119	6.75	12.7	30.7	98.1	0.345	0.586	0.933	33.0	0.759	1302	0.539	9782	26.2	53.3	6.7	0.333	244	52
10	2	15-Dec	41.2	122	3.88	9.3	17.4	102.8	0.267	0.545	0.806	19.5	0.586	1094	0.678	8274	41.0	41.3	6.2	0.109	117	45
11	1	4-Dec	34.3	103	4.27	6.4	21.0	109.0	0.194	0.642	0.947	124.4	0.965	2295	0.986	16223	49.9	59.6	11.7	0.035	71	253
20	2	24-Dec	28.7	114	6.64	13.8	44.3	50.9	0.195	0.571	0.943	56.1	0.889	1230	0.857	8170	30.6	44.1	6.1	0.469	198	67
25	2	10-Jan	31.2	125	7.85	13.3	34.0	63.6	0.235	0.489	0.942	51.2	0.856	1107	0.657	8877	12.4	55.1	5.9	0.453	220	67
27	2	27-Dec	36.7	122	4.60	11.9	30.7	62.4	0.207	0.492	0.959	40.8	0.780	1126	0.796	8202	21.6	33.9	12.6	0.648	138	62
28	2	14-Dec	35.6	119	4.85	9.6	29.4	71.1	0.190	0.573	0.941	87.8	0.965	1226	0.963	9286	18.0	50.9	5.7	0.352	86	60
30	1	12-Dec	29.2	115	3.47	8.4	22.8	76.9	0.179	0.493	0.971	75.2	0.964	1829	0.993	15557	39.0	52.5	12.7	0.121	67	85
32	2	19-Jan	43.3	137	6.46	10.6	28.7	65.7	0.194	0.474	0.926	32.4	0.863	1332	0.764	10205	31.3	57.5	12.4	0.487		
34	1	10-Dec	28.8	120	4.27	9.8	25.3	94.4	0.257	0.703	0.888	31.9	0.722	2238	0.780	15055	29.9	53.5	7.9	0.058	145	67
38	1	12-Jan	34.9	134	6.84	10.6	25.7	72.2	0.212	0.532	0.854	38.1	0.820	1793	0.936	14537	27.2	49.7	11.6	0.225	186	291
44	3	23-Dec	30.0	121	2.99	13.0	30.5	62.8	0.226	0.454	0.937	29.1	0.721	696	0.660	5113	21.7	32.8	5.9	0.575	57	88
46	2	21-Jan	36.6	129	6.88	18.4	48.3	57.3	0.294	0.578	0.955	74.6	0.814	1246	0.486	9297	31.4	62.5	7.8	0.653		
57	3	24-Dec	31.8	121	8.10	9.2	22.4	63.3	0.162	0.437	0.911	27.7	0.755	965	0.901	7192	52.4	44.5	6.5	0.281		
66	1	22-Dec	27.0	119	8.19	10.5	26.6	77.1	0.224	0.526	0.941	42.0	0.761	1578	0.721	11332	53.4	51.8	6.3	0.197	202	82
67	1	20-Jan	27.2	122	10.27	15.2	38.7	67.0	0.282	0.637	0.985	160.0	0.889	2012	0.736	16821	14.4	56.5	8.0	0.262		
68	1	11-Jan	31.3	123	6.93	12.3	26.3	80.4	0.274	0.624	0.929	90.4	0.709	2114	0.865	16824	21.2	49.6	11.7	0.133	152	113
69	2	2-Jan	31.6	116	7.54	13.3	35.3	57.4	0.211	0.502	0.941	41.1	0.890	1326	0.801	10642	33.0	50.9	9.5	0.521	136	60
77	3	17-Dec	33.1	118	4.09	10.3	19.4	82.7	0.237	0.435	0.899	19.3	0.600	858	0.618	6581	19.8	35.5	7.3	0.320	113	54
79	2	2-Jan	29.0	118	7.47	11.8	35.0	54.4	0.178	0.515	0.968	75.6	0.947	1293	0.935	9881	20.9	48.3	5.6	0.381	226	58
80	2	19-Jan	37.8	122	2.79	18.0	48.4	34.9	0.174	0.460	0.982	148.1	0.983	1162	0.994	10194	21.5	46.4	8.8	0.748		
82	3	24-Dec	37.4	127	5.71	10.2	26.1	65.3	0.185	0.408	0.928	32.5	0.823	948	0.687	7321	25.2	47.3	9.7	0.516	135	58
90	1	7-Jan	29.2	127	6.97	10.5	30.5	97.1	0.282	0.707	0.936	51.2	0.794	2820	0.701	18446	18.0	64.6	5.8	0.066	177	342
93	2	30-Dec	27.8	119	6.87	12.2	34.2	55.2	0.187	0.458	0.934	40.8	0.840	1113	0.688	7971	18.7	49.3	8.3	0.504	141	63
102	3	2-Feb	33.2	125	7.30	11.5	15.7	81.9	0.261	0.346	0.926	20.3	0.515	773	0.504	6983	24.8	35.5	12.3	0.327		
104	1	31-Jan	34.6	126	6.25	19.1	48.2	53.6	0.284	0.673	0.983	100.4	0.921	2268	0.873	19861	20.9	53.0	13.5	0.506		
105	2	9-Jan	35.5	131	9.66	10.6	18.2	88.2	0.261	0.381	0.932	25.0	0.582	1159	0.436	9450	42.4	25.6	6.8	0.272		
All		Mean (sd)	33.3 (4.7)	121.9 (6.4)	6.21 (2.1)	11.4 (3.2)	29.0 (9.4)	76.8 (21.6)	0.230 (0.047)	0.535 (0.094)	0.926 (0.051)	55.3 (36.3)	0.806 (0.119)	1463 (528)	0.768 (0.158)	11381 (4034)	28.5 (11.1)	48.6 (9.2)	8.6 (2.6)	0.323 (0.199)	150 (59)	61 (51)
BDG Group 1		Mean (sd)	31.5 (3.9)	120.8 (7.5)	6.6 (2.3)	10.8 (3.5)	28.1 (8.1)	85.6 (19.2)	0.245 (0.042)	0.613 (0.068)	0.922 (0.065)	66.9 (41.0)	0.825 (0.086)	2001 (368)	0.817 (0.119)	15696 (2170)	31.4 (11.9)	54.0 (5.2)	9.4 (2.9)	0.176 (0.133)	159 (57)	61 (73)
BDG Group 2		Mean (sd)	34.2 (4.9)	122.5 (6.5)	6.3 (1.8)	12.7 (2.8)	33.4 (9.6)	66.3 (19.4)	0.226 (0.052)	0.510 (0.060)	0.936 (0.042)	55.8 (34.5)	0.827 (0.127)	1209 (87)	0.738 (0.179)	9249 (888)	26.9 (9.0)	47.6 (9.8)	7.9 (2.4)	0.456 (0.172)	167 (55)	59 (7)
BDG Group 3		Mean (sd)	35.1 (5.4)	122.8 (3.4)	5.2 (2.3)	9.8 (2.8)	21.2 (6.5)	80.5 (24.4)	0.207 (0.041)	0.421 (0.040)	0.910 (0.028)	28.8 (9.1)	0.719 (0.143)	847 (102)	0.725 (0.180)	6653 (803)	26.0 (13.8)	38.8 (5.7)	8.5 (2.4)	0.353 (0.171)	90 (40)	66 (70)