

Eastern Pacific migration strategies of pink-footed shearwaters *Ardenna creatopus*: implications for fisheries interactions and international conservation

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Supplemental Data

Table S1. Tagging locations, transmission dates, tracking durations, cumulative distance traveled, and ultimate non-breeding residency areas for pink-footed shearwaters *Ardenna creatopus* tracked with satellite platform terminal transmitters tags, 2006–2015. Tracking durations and distances traveled include totals for entire timeframe of tag functionality as well as values for tracking outside the breeding range (north of 32°S).

TagID	Tagging Location	First Transmission (UTC date)	Last Transmission (UTC date)	Tracking duration (days)		Distance Traveled (km)		Ultimate non-breeding residency area
				Total	Non-breeding range	Total	Non-breeding range	
64375	Chile - JFI	2006-04-24	2006-06-26	64	63	4550	4392	unknown
64376	Chile - JFI	2006-04-23	2006-06-08	48	38	6204	4279	unknown
64377	Chile - JFI	2006-04-24	2006-05-11	18	2	3220	164	unknown
64378	Chile - JFI	2006-04-27	2006-07-30	95	92	10361	9712	North America
64379	Chile - JFI	2006-04-26	2006-05-07	12	12	1664	1664	unknown
39138	California	2009-07-01	2010-02-02	217	160	19345	15893	-
39140	California	2009-07-01	2009-10-22	114	114	11959	11959	-
39141	California	2009-07-01	2009-12-09	162	155	19135	16941	-
39142	California	2009-07-02	2009-10-30	121	121	12579	12579	-
39144	California	2009-07-01	2009-12-16	169	142	17171	15150	-
96060	Chile - Mocha	2011-05-02	2011-11-03	186	164	19560	16002	Peru (confirmed)
96061	Chile - Mocha	2011-05-03	2011-11-10	192	189	29451	28706	North America
99579	Chile - Mocha	2011-05-02	2011-09-07	129	128	9981	9712	Peru (inferred)
99580	Chile - Mocha	2011-05-02	2011-08-27	118	117	10458	10123	Peru (inferred)
99581	Chile - Mocha	2011-05-02	2011-10-24	175	172	27050	25732	North America
99582	Chile - Mocha	2011-05-02	2011-09-20	142	140	18381	17853	North America
102530	Chile - Mocha	2011-05-03	2011-08-07	98	96	16172	15702	North America
102531	Chile - Mocha	2011-05-03	2012-01-04	248	182	29994	25066	North America
102532	Chile - Mocha	2011-05-04	2011-09-03	123	122	7926	7502	Peru (inferred)
129887	California	2013-06-09	2013-11-02	147	147	9908	9908	-
129888	California	2013-06-09	2013-11-20	165	162	22193	19907	-
129889	California	2013-06-09	2013-09-26	110	110	15120	15120	-
129891	California	2013-06-09	2013-10-26	140	139	17201	17038	-
129892	California	2013-06-09	2013-10-09	123	123	15180	15180	-
129895	California	2013-06-09	2013-10-12	126	126	8130	8130	-
129896	California	2013-06-09	2013-11-14	159	154	22770	21496	-
99626	Chile - Mocha	2013-04-06	2013-04-29	23	0	1023	-	unknown
99627	Chile - Mocha	2013-04-05	2013-11-03	213	177	17564	13642	Peru (confirmed)
99629	Chile - Mocha	2013-04-06	2013-09-05	152	131	16903	14832	North America
99630	Chile - Mocha	2013-04-06	2013-06-24	80	31	7539	4085	North America
99631	Chile - Mocha	2013-04-06	2013-07-15	101	82	11990	9679	North America
99632	Chile - Mocha	2013-04-05	2013-07-17	105	97	11433	10454	North America
129890	Chile - Mocha	2015-04-16	2015-08-23	130	104	16764	13282	North America
129893	Chile - Mocha	2015-04-15	2015-09-07	146	133	13307	11438	Peru (inferred)
129894	Chile - Mocha	2015-04-15	2015-10-08	176	171	20590	19530	North America
137986	Chile - Mocha	2015-04-15	2015-09-28	167	140	20172	16746	North America
137987	Chile - Mocha	2015-04-16	2015-11-06	205	188	19468	17705	North America

137988	Chile - Mocha	2015-04-15	2015-09-29	168	151	19484	17397	North America
137989	Chile - Mocha	2015-04-15	2015-07-23	100	71	14673	11616	North America
137990	Chile - Mocha	2015-04-16	2015-07-31	107	72	9257	6019	Peru (inferred)
137991	Chile - Mocha	2015-04-15	2015-12-05	236	222	33003	31271	North America
137992	Chile - Mocha	2015-04-16	2015-09-19	157	132	22925	20062	North America

Table S2. Satellite platform terminal transponder tag locations retained (and originally collected, in parentheses) after speed-distance-angle filtering for all tags deployed on pink-footed shearwaters *Ardenna creatopus*, 2006–2015. Total locations are show for each bird, as well as individual location class (LC) sums. We incorporated location class error values as measured by Douglas et al. (2012) into our analysis: LC-3 = 0.4 km, LC-2 = 1.0 km, LC-1 = 2.5 km, LC-0 = 7.9 km, LC-A = 4.8 km, LC-B = 10.0 km. Location class Z was not used in analysis

TagID	Argos locations retained after SDA filter (original)							
	Total	LC-3	LC-2	LC-1	LC-0	LC-A	LC-B	LC-Z
64375	202 (241)	43 (45)	47 (47)	42 (45)	44 (56)	11 (17)	15 (22)	0 (9)
64376	141 (166)	10 (10)	28 (29)	28 (30)	51 (61)	11 (16)	13 (18)	0 (2)
64377	59 (71)	10 (11)	7 (10)	9 (12)	23 (25)	7 (7)	3 (5)	0 (1)
64378	280 (373)	6 (7)	39 (41)	100 (110)	97 (116)	15 (16)	23 (35)	0 (5)
64379	47 (58)	6 (7)	8 (8)	12 (12)	11 (14)	4 (7)	6 (9)	0 (1)
39138	897 (1118)	39 (41)	218 (230)	268 (300)	319 (441)	29 (44)	24 (50)	0 (12)
39140	408 (521)	18 (18)	75 (76)	135 (151)	153 (228)	8 (16)	19 (30)	0 (2)
39141	683 (772)	74 (76)	173 (176)	171 (186)	230 (274)	19 (30)	16 (27)	0 (3)
39142	473 (552)	31 (31)	113 (120)	140 (147)	169 (221)	9 (13)	11 (15)	0 (5)
39144	645 (752)	39 (41)	192 (198)	163 (181)	201 (259)	27 (34)	23 (36)	0 (3)
96060	1437 (1803)	41 (43)	200 (216)	485 (529)	575 (771)	76 (109)	60 (125)	0 (10)
96061	1665 (1928)	158 (162)	384 (393)	382 (415)	519 (639)	101 (134)	121 (171)	0 (14)
99579	1228 (1337)	158 (159)	417 (424)	308 (319)	245 (304)	44 (57)	56 (73)	0 (1)
99580	962 (1054)	125 (127)	308 (314)	246 (260)	197 (239)	42 (55)	44 (57)	0 (2)
99581	1621 (1858)	133 (134)	303 (314)	523 (561)	509 (622)	80 (108)	73 (105)	0 (14)
99582	1684 (2142)	27 (30)	197 (207)	692 (771)	661 (929)	67 (107)	40 (85)	0 (13)
102530	601 (966)	1 (1)	10 (12)	79 (97)	462 (723)	19 (47)	30 (63)	0 (23)
102531	1966 (2400)	140 (143)	432 (456)	557 (603)	595 (819)	126 (166)	116 (192)	0 (21)
102532	764 (1083)	4 (6)	35 (41)	202 (247)	415 (590)	61 (97)	47 (93)	0 (9)
129887	1365 (1548)	170 (173)	320 (327)	317 (337)	346 (418)	107 (135)	105 (156)	0 (2)
129888	1676 (1873)	198 (201)	422 (438)	404 (418)	420 (495)	115 (153)	117 (156)	0 (12)
129889	1201 (1369)	128 (132)	303 (312)	290 (306)	333 (407)	82 (103)	65 (103)	0 (6)
129891	1363 (1560)	106 (109)	309 (314)	387 (413)	354 (439)	98 (132)	109 (143)	0 (10)
129892	1387 (1558)	162 (167)	327 (331)	342 (356)	365 (445)	97 (125)	94 (125)	0 (9)
129895	998 (1138)	100 (100)	212 (222)	213 (227)	286 (347)	100 (119)	87 (118)	0 (5)
129896	1416 (1643)	123 (127)	265 (274)	310 (333)	417 (501)	157 (187)	144 (208)	0 (13)
99626	97 (120)	6 (6)	20 (21)	13 (16)	50 (66)	4 (4)	4 (5)	0 (2)
99627	537 (832)	0 (1)	4 (8)	71 (86)	400 (602)	22 (45)	40 (72)	0 (18)
99629	431 (611)	5 (5)	19 (19)	81 (99)	266 (380)	27 (50)	33 (53)	0 (5)
99630	260 (317)	11 (11)	36 (39)	35 (38)	135 (162)	22 (27)	21 (32)	0 (8)
99631	225 (285)	12 (12)	34 (37)	47 (53)	97 (128)	18 (26)	17 (27)	0 (2)
99632	322 (430)	5 (5)	17 (22)	96 (108)	177 (237)	12 (20)	15 (33)	0 (5)
129890	841 (967)	85 (88)	158 (167)	182 (198)	249 (289)	78 (99)	89 (118)	0 (8)
129893	1128 (1270)	110 (119)	293 (304)	279 (294)	295 (348)	69 (91)	82 (103)	0 (11)
129894	1032 (1187)	122 (134)	218 (234)	212 (236)	244 (289)	114 (138)	122 (146)	0 (10)
137986	1357 (1576)	119 (125)	237 (247)	313 (335)	425 (504)	133 (172)	130 (181)	0 (12)
137987	1436 (1622)	165 (167)	289 (299)	331 (361)	392 (459)	113 (138)	146 (191)	0 (7)
137988	1497 (1733)	143 (145)	279 (288)	397 (426)	411 (495)	124 (171)	143 (197)	0 (11)
137989	722 (851)	68 (69)	129 (135)	167 (189)	233 (279)	60 (79)	65 (90)	0 (10)
137990	796 (940)	59 (60)	165 (173)	194 (203)	262 (323)	51 (83)	65 (88)	0 (10)
137991	1547 (1724)	174 (182)	265 (279)	340 (360)	399 (458)	180 (200)	189 (233)	0 (12)
137992	1238 (1441)	98 (103)	235 (244)	291 (313)	385 (461)	112 (149)	117 (153)	0 (18)
Total	38803 (45747)	3248 (3333)	7768 (8046)	9887 (10681)	12461 (15863)	2672 (3526)	2767 (3942)	0 (356)