

Reproductive seasonality and trend of *Chelonia mydas* in the SW Indian Ocean: a 20 yr study based on track counts

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Appendix 1. Estimated number of tracks with monthly sampling rate (numbers in italics) for Tromelin (T, from March 1986 to December 2005; tracks count made on all nesting beaches), Grande Glorieuse (G, from January 1987 to December 2005; tracks count made on a sampling zone) and Europa (E, from July 1983 to December 2005; tracks count made on a sampling zone).

Years	1983			1984			1985			1986			1987		
Islands	T	G	E	T	G	E	T	G	E	T	G	E	T	G	E
January						1003 (100)			168 (100)			0 (0)	3222 (97)	46 (55)	28 (32)
February						768 (100)			84 (100)			146 (100)	2479 (100)	55 (100)	139 (100)
March						140 (100)			15 (97)	568 (97)		98 (100)	1835 (100)	46 (100)	46 (100)
April						51 (100)			10 (100)	684 (100)		43 (100)	566 (100)	73 (93)	9 (93)
May						21 (97)			22 (100)	594 (100)		51 (100)	193 (100)	64 (100)	10 (100)
June			82 (100)			1 (100)			23 (100)	582 (100)		17 (100)	103 (100)	40 (100)	8 (100)
July			42 (100)			20 (100)			29 (100)	492 (100)		30 (100)	51 (100)	52 (100)	3 (100)
August			45 (100)			17 (90)			37 (100)	516 (100)		67 (97)	62 (100)	20 (100)	7 (100)
September			61 (100)			12 (100)			31 (100)	385 (100)		97 (100)	135 (73)	12 (100)	19 (100)
October			192 (100)			43 (81)			37 (100)	344 (100)		18 (100)	169 (100)	22 (100)	31 (100)

November			830 (100)			86 (100)			84 (93)	773 (100)		218 (100)	386 (100)	10 (100)	143 (100)
December			1334 (97)			145 (100)			257 (97)	2348 (100)		408 (90)	832 (97)	9 (100)	319 (100)
TOTAL			2586			2308			797	7287		1192	10032	449	762
Years	1988			1989			1990			1991			1992		
January	1287 (97)	33 (100)	102 (100)	2624 (100)	56 (100)	680 (100)	861 (97)	51 (84)	154 (100)	1088 (100)	123 (100)	236 (100)	1771 (100)	113 (100)	267 (100)
February	1731 (100)	38 (34)	55 (100)	1754 (100)	77 (100)	615 (100)	795 (100)	43 (100)	33 (100)	1012 (100)	147 (100)	0 (0)	1821 (100)	171 (100)	242 (45)
March	1537 (100)	52 (29)	58 (100)	967 (100)	165 (100)	206 (100)	470 (100)	49 (100)	9 (100)	438 (100)	172 (100)	39 (74)	955 (100)	174 (100)	211 (52)
April	1396 (100)	65 (67)	18 (100)	532 (100)	142 (100)	99 (100)	416 (100)	112 (100)	1 (100)	728 (100)	149 (97)	13 (53)	458 (100)	136 (100)	123 (90)
May	821 (100)	101 (100)	10 (100)	283 (100)	125 (97)	41 (100)	406 (52)	60 (100)	12 (100)	475 (100)	141 (58)	24 (100)	255 (100)	109 (100)	12 (100)
June	0 (0)	107 (100)	5 (100)	271 (100)	71 (100)	13 (100)	349 (97)	65 (20)	27 (100)	500 (100)	220 (100)	82 (100)	231 (100)	90 (100)	10 (100)
July	0 (0)	94 (100)	11 (100)	154 (100)	49 (100)	14 (100)	430 (100)	79 (45)	55 (100)	484 (100)	193 (100)	114 (100)	209 (100)	80 (100)	14 (100)
August	0 (0)	72 (100)	24 (90)	116 (100)	41 (90)	9 (100)	432 (100)	137 (100)	60 (100)	603 (97)	166 (100)	103 (100)	103 (100)	72 (100)	32 (100)
September	0 (0)	43 (100)	28 (100)	69 (100)	23 (43)	35 (100)	411 (100)	94 (100)	33 (100)	315 (100)	175 (100)	247 (100)	172 (100)	62 (100)	48 (100)
October	522 (100)	46 (68)	29 (100)	156 (100)	44 (10)	63 (100)	742 (100)	77 (87)	42 (100)	337 (100)	146 (87)	234 (100)	193 (100)	40 (100)	107 (100)
November	1832 (100)	39 (40)	491 (100)	365 (100)	67 (47)	120 (100)	1654 (100)	65 (70)	173 (100)	562 (100)	70 (70)	204 (100)	595 (100)	33 (100)	36 (17)
December	3128 (100)	85 (87)	877 (97)	483 (90)	60 (74)	101 (100)	2118 (100)	47 (90)	295 (100)	1295 (97)	35 (90)	293 (100)	925 (97)	58 (100)	146 (100)
TOTAL	12254	776	1707	7774	918	1996	9084	879	894	7838	1736	1590	7688	1137	1246
Years	1993			1994			1995			1996			1997		
January	1273 (94)	121 (100)	82 (100)	856 (100)	72 (100)	48 (100)	2613 (100)	74 (100)	54 (100)	458 (100)	74 (100)	142 (100)	625 (100)	102 (100)	586 (100)
February	701 (100)	139 (100)	45 (100)	819 (96)	99 (100)	14 (100)	2629 (100)	57 (71)	0 (100)	613 (100)	140 (100)	15 (100)	1007 (100)	175 (100)	363 (100)
March	1176 (100)	184 (100)	43 (100)	689 (100)	135 (100)	36 (100)	1128 (100)	0 (0)	34 (100)	561 (100)	160 (100)	14 (65)	716 (100)	223 (100)	75 (100)

April	745 (100)	231 (100)	28 (100)	389 (97)	135 (100)	0 (0)	461 (100)	158 (63)	15 (100)	351 (100)	169 (100)	6 (100)	498 (100)	317 (100)	0 (0)
May	544 (0)	152 (100)	29 (100)	189 (97)	222 (100)	24 (100)	259 (100)	219 (100)	15 (100)	300 (100)	191 (100)	2 (16)	317 (97)	330 (100)	0 (0)
June	342 (100)	138 (100)	38 (100)	151 (97)	262 (100)	9 (100)	268 (100)	274 (100)	11 (0)	240 (0)	191 (100)	0 (0)	176 (100)	204 (100)	3 (100)
July	539 (100)	82 (100)	12 (100)	139 (94)	240 (100)	10 (100)	341 (100)	223 (100)	13 (52)	181 (52)	144 (100)	7 (100)	190 (100)	204 (100)	13 (100)
August	561 (100)	87 (100)	49 (100)	165 (100)	209 (100)	0 (0)	298 (0)	193 (97)	44 (100)	178 (100)	120 (0)	12 (100)	280 (100)	110 (100)	14 (100)
September	152 (100)	41 (100)	108 (100)	256 (100)	122 (100)	21 (100)	256 (97)	118 (100)	20 (100)	219 (100)	96 (100)	62 (100)	260 (100)	92 (100)	25 (100)
October	167 (100)	29 (100)	87 (100)	654 (97)	63 (100)	90 (100)	276 (81)	73 (100)	31 (100)	210 (100)	64 (100)	138 (100)	395 (100)	83 (100)	58 (100)
November	500 (100)	35 (100)	243 (100)	720 (100)	88 (100)	0 (0)	315 (100)	73 (100)	265 (100)	767 (100)	72 (100)	368 (100)	779 (100)	102 (100)	97 (100)
December	816 (97)	63 (100)	278 (100)	2310 (100)	103 (100)	104 (100)	361 (100)	83 (100)	201 (100)	1048 (100)	78 (100)	643 (100)	1043 (100)	61 (100)	68 (100)
TOTAL	7516	1301	1042	7337	1749	355	9206	1545	703	5126	1498	1409	6286	2002	1302
Years	1998			1999			2000			2001			2002		
January	1882 (100)	0 (0)	69 (100)	2622 (100)	356 (100)	165 (100)	849 (77)	59 (100)	162 (100)	0 (0)	104 (100)	139 (39)	2349 (100)	96 (100)	781 (94)
February	1240 (100)	0 (0)	123 (100)	1640 (100)	508 (100)	20 (100)	671 (97)	94 (100)	110 (100)	0 (0)	241 (100)	394 (100)	2039 (100)	154 (100)	0 (0)
March	359 (100)	90 (100)	20 (100)	1318 (100)	428 (100)	38 (100)	410 (100)	91 (100)	107 (100)	1153 (100)	338 (97)	275 (94)	1151 (100)	207 (97)	56 (100)
April	214 (100)	151 (100)	45 (100)	572 (97)	294 (100)	45 (100)	230 (100)	111 (100)	27 (100)	777 (100)	395 (100)	111 (100)	317 (93)	160 (100)	9 (100)
May	219 (100)	156 (100)	52 (100)	293 (100)	252 (100)	32 (100)	307 (100)	121 (100)	14 (100)	407 (100)	443 (100)	37 (100)	174 (100)	132 (90)	47 (100)
June	277 (100)	168 (100)	69 (100)	160 (100)	189 (0)	30 (100)	261 (100)	150 (97)	7 (100)	164 (97)	452 (100)	15 (100)	235 (100)	161 (100)	99 (90)
July	748 (100)	204 (100)	80 (100)	86 (100)	127 (100)	30 (100)	190 (100)	166 (100)	16 (100)	163 (100)	335 (100)	39 (100)	0 (0)	72 (100)	53 (100)
August	980 (100)	136 (100)	71 (100)	61 (100)	81 (100)	28 (100)	137 (100)	130 (100)	18 (100)	111 (100)	227 (100)	31 (100)	0 (0)	53 (100)	44 (97)
September	703 (100)	186 (100)	58 (100)	65 (100)	48 (100)	31 (100)	157 (100)	93 (100)	44 (100)	232 (100)	234 (100)	0 (0)	0 (0)	47 (100)	67 (100)

October	481 (100)	165 (100)	177 (97)	133 (100)	20 (100)	68 (100)	229 (100)	108 (100)	78 (100)	222 (100)	98 (100)	175 (100)	124 (94)	60 (100)	30 (26)
November	1985 (100)	158 (100)	468 (100)	437 (100)	24 (100)	180 (100)	387 (100)	81 (97)	229 (100)	315 (100)	91 (100)	0 (0)	868 (0)	69 (97)	259 (100)
December	2503 (100)	286 (97)	496 (100)	825 (100)	55 (100)	222 (100)	0 (0)	77 (35)	188 (100)	1332 (0)	85 (100)	0 (0)	1613 (100)	71 (94)	286 (100)
TOTAL	11591	1699	1727	8210	2382	887	3828	1281	999	4875	3043	1215	8869	1281	1731
Years	2003			2004			2005								
January	1832 (100)	102 (84)	622 (100)	1638 (100)	156 (100)	312 (100)	996 (100)	61 (100)	259 (94)						
February	1297 (93)	162 (32)	311 (100)	1456 (100)	277 (100)	150 (100)	741 (93)	62 (100)	101 (100)						
March	773 (97)	348 (100)	249 (100)	831 (94)	257 (94)	58 (100)	858 (100)	192 (100)	43 (100)						
April	483 (97)	361 (100)	137 (100)	399 (100)	251 (0)	29 (100)	515 (100)	342 (100)	43 (100)						
May	435 (0)	240 (100)	126 (100)	397 (100)	270 (100)	13 (100)	293 (100)	396 (100)	49 (100)						
June	388 (100)	174 (100)	29 (100)	318 (100)	179 (100)	6 (100)	270 (0)	404 (100)	51 (97)						
July	216 (100)	150 (100)	13 (100)	212 (100)	126 (100)	0 (100)	246 (100)	291 (100)	51 (100)						
August	310 (100)	137 (100)	18 (100)	178 (100)	83 (100)	23 (100)	152 (100)	192 (100)	66 (100)						
September	306 (100)	84 (100)	56 (100)	0 (0)	36 (100)	24 (100)	0 (0)	118 (100)	132 (100)						
October	0 (0)	86 (100)	166 (100)	279 (100)	34 (100)	47 (100)	0 (0)	48 (100)	263 (97)						
November	0 (0)	49 (100)	314 (100)	275 (100)	30 (100)	94 (80)	875 (100)	111 (100)	694 (100)						
December	1277 (87)	94 (100)	381 (100)	845 (100)	43 (100)	214 (100)	1129 (100)	152 (100)	623 (100)						
TOTAL	7317	1987	2422	6829	1742	969	6076	2368	2376						