

## 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)
<b>TOTAL</b>			<b>2586</b>			<b>2308</b>			<b>797</b>	<b>7287</b>		<b>1192</b>	<b>10032</b>	<b>449</b>	<b>762</b>
<b>Years</b>	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)
<b>TOTAL</b>	<b>12254</b>	<b>776</b>	<b>1707</b>	<b>7774</b>	<b>918</b>	<b>1996</b>	<b>9084</b>	<b>879</b>	<b>894</b>	<b>7838</b>	<b>1736</b>	<b>1590</b>	<b>7688</b>	<b>1137</b>	<b>1246</b>
<b>Years</b>	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)
<b>TOTAL</b>	<b>7516</b>	<b>1301</b>	<b>1042</b>	<b>7337</b>	<b>1749</b>	<b>355</b>	<b>9206</b>	<b>1545</b>	<b>703</b>	<b>5126</b>	<b>1498</b>	<b>1409</b>	<b>6286</b>	<b>2002</b>	<b>1302</b>
<b>Years</b>	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)
<b>TOTAL</b>	<b>11591</b>	<b>1699</b>	<b>1727</b>	<b>8210</b>	<b>2382</b>	<b>887</b>	<b>3828</b>	<b>1281</b>	<b>999</b>	<b>4875</b>	<b>3043</b>	<b>1215</b>	<b>8869</b>	<b>1281</b>	<b>1731</b>
<b>Years</b>	<b>2003</b>			<b>2004</b>			<b>2005</b>								
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)						
<b>TOTAL</b>	<b>7317</b>	<b>1987</b>	<b>2422</b>	<b>6829</b>	<b>1742</b>	<b>969</b>	<b>6076</b>	<b>2368</b>	<b>2376</b>						