Table S2. (From Oppel et al. 2018) The scale of travel capabilities (median and range) of 52 species of seabirds at different stages during the breeding season averaged across all studied colonies and based on only a single trip per individual. Distances refer to individual foraging trips, the size of the foraging area is based on a 95% minimum convex polygon (MCP) around all foraging trip locations from a colony.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Family | Species | breeding stage | trip distance (km) | max distance from colony (km) | exploited area (1000 km2) |
| Alcidae | *Alca torda* | incubation | 115 (11-804) | 37 (4-294) | 2 (0-30) |
| *Alca torda* | chick-rearing | 63 (9-757) | 23 (4-314) | 2 (1-31) |
| *Alca torda* | unspec. breeding | 55 (12-291) | 23 (5-131) | 1 (0.36-7.44) |
| *Cepphus grylle* | chick-rearing | 7 (3-26) | 2 (1-8) | 0.08 |
| *Fratercula arctica* | chick-rearing | 118 (4-1376) | 28 (2-214) | 13 (1-42) |
| *Uria aalge* | incubation | 116 (12-837) | 35 (4-339) | 13 (5-20) |
| *Uria aalge* | chick-rearing | 54 (11-195) | 18 (4-73) | 2 (2-3) |
| *Uria aalge* | unspec. breeding | 57 (14-625) | 23 (6-274) | 1 (1-11) |
| Diomedeidae | *Diomedea dabbenena* | incubation | 2123 (528-14447) | 618 (133-3232) | 7159 (7154-7165) |
| *Diomedea dabbenena* | chick-rearing | 1041 (158-8439) | 408 (75-3438) | 2794 (562-5026) |
| *Diomedea exulans* | incubation | 5026 (20-12369) | 1169 (8-2525) | 5080 |
| *Diomedea exulans* | chick-rearing | 2146 (52-18776) | 604 (12-3351) | 4303 (1724-6883) |
| *Phoebetria fusca* | incubation | 6011 (1925-9616) | 1367 (695-1872) | 2398 |
| *Phoebetria fusca* | unspec. breeding | 910 (90-5680) | 297 (31-1334) | 9375 |
| *Thalassarche chlororhynchos* | incubation | 7548 (2636-11673) | 2668 (359-3600) | 7141 (6200-8082) |
| *Thalassarche chrysostoma* | incubation | 4249 (2107-11645) | 1121 (604-4303) | 6746 |
| *Thalassarche chrysostoma* | chick-rearing | 1493 (101-13725) | 525 (39-2519) | 1982 (1094-2870) |
| *Thalassarche melanophris* | incubation | 3231 (76-10570) | 877 (30-2644) | 649 (300-5833) |
| *Thalassarche melanophris* | chick-rearing | 830 (43-7560) | 284 (16-1940) | 156 (114-3880) |
| Fregatidae | *Fregata aquila* | incubation | 2208 (244-3113) | 488 (97-803) | 793 |
| *Fregata aquila* | chick-rearing | 544 (423-1801) | 170 (138-360) | 254 |
| *Fregata magnificens* | chick-rearing | 390 (87-1295) | 86 (26-213) | 252 |
| Hydrobatidae | *Hydrobates castro* | incubation | 1470 (38-3285) | 452 (14-872) | 452 |
| *Hydrobates leucorhous* | incubation | 885 (36-4337) | 134 (16-1154) | 397 (237-525) |
| *Hydrobates leucorhous* | chick-rearing | 1315 (104-1949) | 435 (50-657) | 318 |
| *Hydrobates pelagicus* | incubation | 514 (18-942) | 166 (9-270) | 29 |
| *Hydrobates pelagicus* | chick-rearing | 388 (13-1193) | 137 (6-365) | 43 (28-57) |
| Laridae | *Anous stolidus* | incubation | 234 (7-346) | 88 (2-152) | 64 |
| *Hydroprogne caspia* | unspec. breeding | 4 (2-46) | 1 (1-20) | 8 |
| *Larus scoresbii* | unspec. breeding | 21 (2-192) | 9 (1-19) | 0.25 |
| *Onychoprion fuscatus* | chick-rearing | 242 (86-307) | 100 (34-128) | 11 |
| *Rissa tridactyla* | incubation | 130 (2-872) | 40 (1-219) | 10 (3-24) |
| *Rissa tridactyla* | chick-rearing | 92 (5-690) | 31 (1-229) | 10 (2-19) |
| *Rissa tridactyla* | unspec. breeding | 81 (3-546) | 28 (1-143) | 6 (1-15) |
| *Thalasseus maximus* | unspec. breeding | 16 (3-136) | 5 (1-37) | 13 |
| Phaethontidae | *Phaethon aethereus* | incubation | 904 (31-2765) | 238 (14-719) | 171 (31-706) |
| *Phaethon aethereus* | chick-rearing | 243 (13-3062) | 72 (6-1351) | 106 (17-168) |
| *Phaethon lepturus* | chick-rearing | 64 (25-225) | 21 (9-70) | 4 |
| Phalacrocoracidae | *Phalacrocorax aristotelis* | incubation | 14 (2-56) | 4 (1-16) | 0.02 (0-0.28) |
| *Phalacrocorax aristotelis* | chick-rearing | 17 (2-56) | 7 (1-17) | 0.03 (0.02-0.34) |
| *Phalacrocorax aristotelis* | unspec. breeding | 19 (4-58) | 8 (1-21) | 0.16 (0.1-0.22) |
| *Phalacrocorax atriceps* | chick-rearing | 26 (2-146) | 9 (1-41) | 0.89 (0.25-1.53) |
| *Phalacrocorax atriceps* | unspec. breeding | 48 (29-113) | 17 (7-48) | 1 |
| *Phalacrocorax magellanicus* | chick-rearing | 3 (2-31) | 1 (1-2) | 0.01 (0-0.01) |
| Procellariidae | *Ardenna gravis* | incubation | 6365 (2482-23945) | 1554 (385-4350) | 6069 (4061-8076) |
| *Bulweria bulwerii* | chick-rearing | 832 (358-2736) | 279 (100-551) | 278 |
| *Calonectris borealis* | incubation | 2256 (30-3481) | 475 (9-841) | 744 |
| *Calonectris borealis* | chick-rearing | 1042 (16-4319) | 358 (8-1990) | 949 |
| *Calonectris diomedea* | incubation | 810 (20-2108) | 210 (9-482) | 109 (73-143) |
| *Calonectris diomedea* | chick-rearing | 254 (18-2461) | 81 (7-377) | 84 (13-99) |
| *Calonectris edwardsii* | incubation | 436 (89-2606) | 171 (29-631) | 148 |
| *Calonectris edwardsii* | unspec. breeding | 2047 (60-3223) | 616 (27-775) | 339 |
| *Fulmarus glacialis* | chick-rearing | 382 (40-1267) | 119 (13-480) | 75 (27-77) |
| *Fulmarus glacialoides* | unspec. breeding | 1517 (607-4474) | 232 (180-532) | 72 |
| *Macronectes giganteus* | incubation | 4955 (2062-11621) | 1038 (655-2222) | 4871 |
| *Macronectes halli* | incubation | 1193 (74-8927) | 177 (19-2379) | 5263 |
| *Procellaria aequinoctialis* | unspec. breeding | 2202 (857-5391) | 697 (303-2083) | 2459 |
| *Procellaria cinerea* | incubation | 7930 (2974-10663) | 3105 (1311-3761) | 4114 |
| *Pterodroma feae* | chick-rearing | 1998 (679-3507) | 307 (75-772) | 485 |
| *Puffinus boydi* | incubation | 334 (111-590) | 123 (39-228) | 18 |
| *Puffinus puffinus* | incubation | 1304 (99-4116) | 166 (17-821) | 224 (116-332) |
| *Puffinus puffinus* | chick-rearing | 212 (12-3963) | 58 (5-1219) | 76 (37-423) |
| *Puffinus yelkouan* | chick-rearing | 510 (27-1655) | 147 (10-447) | 81 (70-132) |
| *Thalassoica antarctica* | unspec. breeding | 871 (74-2048) | 141 (31-780) | 131 |
| Spheniscidae | *Aptenodytes patagonicus* | incubation | 1894 (210-4172) | 537 (102-871) | 388 |
| *Aptenodytes patagonicus* | chick-rearing | 709 (328-3850) | 216 (112-967) | 497 (56-939) |
| *Eudyptes chrysocome* | incubation | 642 (392-1238) | 219 (70-460) | 78 (43-113) |
| *Eudyptes chrysocome* | chick-rearing | 427 (48-2872) | 94 (15-369) | 78 (65-91) |
| *Eudyptes chrysocome* | unspec. breeding | 120 (34-2269) | 35 (17-334) | 84 |
| *Eudyptes chrysolophus* | incubation | 1672 (787-2236) | 516 (288-635) | 210 |
| *Eudyptes chrysolophus* | chick-rearing | 125 (27-3789) | 47 (12-1350) | 15 (3-231) |
| *Pygoscelis adeliae* | incubation | 587 (143-1712) | 176 (39-654) | 233 |
| *Pygoscelis adeliae* | chick-rearing | 76 (11-4469) | 29 (5-1865) | 222 (17-883) |
| *Pygoscelis antarcticus* | chick-rearing | 66 (10-353) | 23 (5-81) | 6 (1-24) |
| *Pygoscelis papua* | chick-rearing | 38 (10-341) | 13 (5-51) | 0.87 (0.32-2.43) |
| *Spheniscus magellanicus* | chick-rearing | 160 (41-1863) | 34 (19-930) | 8 (7-9) |
| *Spheniscus magellanicus* | unspec. breeding | 821 (108-4240) | 280 (48-1104) | 602 |
| Sulidae | *Morus bassanus* | chick-rearing | 447 (49-1540) | 161 (11-425) | 89 (32-121) |
| *Sula dactylatra* | incubation | 280 (54-1023) | 122 (14-341) | 77 (13-141) |
| *Sula dactylatra* | chick-rearing | 99 (41-279) | 37 (12-110) | 9 (4-37) |
| *Sula leucogaster* | chick-rearing | 120 (10-1314) | 40 (5-117) | 12 (1-20) |
| *Sula leucogaster* | unspec. breeding | 125 (114-140) | 54 (50-63) | 0.68 |

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