Location

Observer Gould-Ely-Fleet-King-Davis Date September, 1963 Time diurnal to

Weather

Miles = 1516

SPECIES	Abundance 1-10	Abundance 10-100	Abundance 100-1000	Abundance 1000 +	Breeding Nests	Breeding Eggs	Breeding Young	Remarks
Laysan Albatross								
Black-footed Albatross								
Wedge-tailed Shearwater				2943				
Christmas I. Shearwater	3							
Audubon's Shearwater								
Bonin I. Petrel								
Phoenix I. Petrel								
Bulwer's Petrel		90						
Sooty Petrel								
Red-tailed Tropicbird		58						
White-tailed Tropicbird		31						
Masked Booby	5							
Brown Booby		11						
Red-footed Booby		24						
Great Frigatebird		29						
Golden Plover	6							
Ruddy Turnstone	8							
Wandering Tattler								
Sanderling								
Bristle-thighed Curlew	1							
Sooty Tern				1265				
Gray-backed Tern	4							
Brown-winged Tern								
Common Noddy	1							
Hawaiian Noddy								
Blue-gray Noddy								
Fairy Tern	5							
White-vent Petrel	1							1 collected
Sooty Shearwater	1							
Newell's Shearwater	1							
Leach's Storm Petrel	1							
Mallard Duck	1							
Tern			201					
Shorebird	4							
Booby		26						
tropic bird		23						
Shearwater-Petrel			213					
Pterodroma			206					
Bird		62						Total birds = 5224

SEPTEMBER

Location 20°59'N 158°20'W at 1200

Observer

Date 05 September, 1963 Time 0835 to ~~1930~~ 1850

Weather

10.3

Miles = 104

SPECIES	Abundance 1-10	Abundance 10-100	Abundance 100-1000	Abundance 1000 +	Breeding Nests	Breeding Eggs	Breeding Young	Remarks
Laysan Albatross								
Black-footed Albatross								
Wedge-tailed Shearwater			227					22.0
Christmas I. Shearwater	1							
Audubon's Shearwater								
Bonin I. Petrel								
Phoenix I. Petrel								
Bulwer's Petrel	5							
Sooty Petrel								
Red-tailed Tropicbird								
White-tailed Tropicbird	6							
Masked Booby	1							
Brown Booby	1							
Red-footed Booby								
Great Frigatebird	3							
Golden Plover								
Ruddy Turnstone								
Wandering Tattler								
Sanderling								
Bristle-thighed Curlew								
Sooty Tern								0.0
Gray-backed Tern								
Brown-winged Tern								
Common Noddy								
Hawaiian Noddy								
Blue-gray Noddy								
Fairy Tern								
Leach's Storm Petrel	1							
Tern	2							
Booby	1							
Tropicbird	3							
Shearwater-Petrel		12						
Pterodroma	5							
bird	6							Total birds = 274 26.6

Location 19°58'N 162°00'W at 1200

Observer

Date 06 September, 1963 Time 0630 to 1800

Weather

11.6 miles = 90

SPECIES	Abundance 1-10	Abundance 10-100	Abundance 100-1000	Abundance 1000 +	Breeding Nests	Breeding Eggs	Breeding Young	Remarks
Laysan Albatross								
Black-footed Albatross								
Wedge-tailed Shearwater		60						5.2
Christmas I. Shearwater								
Audubon's Shearwater								
Bonin I. Petrel								
Phoenix I. Petrel								
Bulwer's Petrel		52						
Sooty Petrel								
Red-tailed Tropicbird	7							
White-tailed Tropicbird		20						
Masked Booby	1							
Brown Booby								
Red-footed Booby								
Great Frigatebird	4							
Golden Plover								
Ruddy Turnstone	1							
Wandering Tattler								
Sanderling								
Bristle-thighed Curlew								
Sooty Tern								0.0
Gray-backed Tern	4							
Brown-winged Tern								
Common Noddy								
Hawaiian Noddy								
Blue-gray Noddy								
Fairy Tern								
Terns			130					
tropicbird	4							
Shearwater		17						
Pterodroma	9							
birds	5							Total birds = 314 27.1

Location 18°24' N 165°27' W at 1200

Observer

Date 07 September, 1963 Time 0543 to 1815

Weather

12.5

Miles = 95

SPECIES	Abundance 1-10	Abundance 10-100	Abundance 100-1000	Abundance 1000 +	Breeding Nests	Breeding Eggs	Breeding Young	Remarks
Laysan Albatross								
Black-footed Albatross								
Wedge-tailed Shearwater			109					8.7
Christmas I. Shearwater								
Audubon's Shearwater								
Bonin I. Petrel								
Phoenix I. Petrel								
Bulwer's Petrel	5							
Sooty Petrel								
Red-tailed Tropicbird	4							
White-tailed Tropicbird	1							
Masked Booby	1							
Brown Booby								
Red-footed Booby								
Great Frigatebird								
Golden Plover	1							
Ruddy Turnstone	2							
Wandering Tattler								
Sanderling								
Bristle-thighed Curlew								
Sooty Tern			237					19.0
Gray-backed Tern								
Brown-winged Tern								
Common Noddy								
Hawaiian Noddy								
Blue-gray Noddy								
Fairy Tern	3							
White-neck Petrel	1							collected
Shorebird	3							
Tropicbird	6							
Booby	2							
Shearwater-Petrel		22						
Pterodroma	3							
Bird	1							Total birds = 401

32.1

Location 16°54' N → 168°25' W at 1200

Observer

Date 08 September, 1963 Time ~~0525~~ 0557 to ~~1430~~ 1426

Weather

12.5

Miles = 92

SPECIES	Abundance 1-10	Abundance 10-100	Abundance 100-1000	Abundance 1000 +	Breeding Nests	Breeding Eggs	Breeding Young	Remarks
Laysan Albatross								
Black-footed Albatross								
Wedge-tailed Shearwater			286					1 red-tag 22.9
Christmas I. Shearwater								
Audubon's Shearwater								
Bonin I. Petrel								
Phoenix I. Petrel								
Bulwer's Petrel	1							
Sooty Petrel								
Red-tailed Tropicbird	2							
White-tailed Tropicbird								
Masked Booby								
Brown Booby								
Red-footed Booby	2							
Great Frigatebird								
Golden Plover								
Ruddy Turnstone	1							
Wandering Tattler								
Sanderling								
Bristle-thighed Curlew								
Sooty Tern		33						2 6
Gray-backed Tern								
Brown-winged Tern								
Common Noddy								
Hawaiian Noddy								
Blue-gray Noddy								
Fairy Tern	1							
Tern		24						
Booby	9							
tropicbird	1							
Shearwater - Petrel		23						
Pterodroma		10						
bird	4							Total birds = 397 31.8

Location 15°02'N x 168°56'W at 1200

Observer

Date 09 September, 1963 Time 0604 to 1824

Weather

12.3

Miles = 87

SPECIES	Abundance 1-10	Abundance 10-100	Abundance 100-1000	Abundance 1000 +	Breeding Nests	Breeding Eggs	Breeding Young	Remarks
Laysan Albatross								
Black-footed Albatross								
Wedge-tailed Shearwater		57						4.6
Christmas I. Shearwater								
Audubon's Shearwater								
Bonin I. Petrel								
Phoenix I. Petrel								
Bulwer's Petrel	1							
Sooty Petrel								
Red-tailed Tropicbird	9							
White-tailed Tropicbird								
Masked Booby								
Brown Booby								
Red-footed Booby								
Great Frigatebird								
Golden Plover								
Ruddy Turnstone								
Wandering Tattler								
Sanderling								
Bristle-thighed Curlew								
Sooty Tern			151					12.3
Gray-backed Tern								
Brown-winged Tern								
Common Noddy								
Hawaiian Noddy								
Blue-gray Noddy								
Fairy Tern								
Shearwater-Petrel		19						
Pterodroma		22						
bird	6							Total birds = 265

Location 12°13'N T 171°02'W at 1200

Observer

Date 10 September, 1963 Time 0610 to 1845 1832

Weather

12.4

Miles = 102

SPECIES	Abundance 1-10	Abundance 10-100	Abundance 100-1000	Abundance 1000 +	Breeding Nests	Breeding Eggs	Breeding Young	Remarks
Laysan Albatross								
Black-footed Albatross								
Wedge-tailed Shearwater		29						2.3
Christmas I. Shearwater	1							
Audubon's Shearwater								
Bonin I. Petrel								
Phoenix I. Petrel								
Bulwer's Petrel								
Sooty Petrel								
Red-tailed Tropicbird	3							
White-tailed Tropicbird								
Masked Booby								
Brown Booby								
Red-footed Booby								
Great Frigatebird								
Golden Plover								
Ruddy Turnstone	1							
Wandering Tattler								
Sanderling								
Bristle-thighed Curlew								
Sooty Tern			228					18.4
Gray-backed Tern								
Brown-winged Tern								
Common Noddy								
Hawaiian Noddy								
Blue-gray Noddy								
Fairy Tern								
Tern		15						
tropic bird	1							
Shearwater-Petrel		12						
pterodroma		34						
birds	6							Total birds = 330 26.6

Location 14° 19' N T 170° 26' W at 1200

Observer

Date 11 September, 1963 Time 0612 to 1826

Weather

12.2

Miles = 80

SPECIES	Abundance 1-10	Abundance 10-100	Abundance 100-1000	Abundance 1000 +	Breeding Nests	Breeding Eggs	Breeding Young	Remarks
Laysan Albatross								
Black-footed Albatross								
Wedge-tailed Shearwater		33						2.7
Christmas I. Shearwater								
Audubon's Shearwater								
Bonin I. Petrel								
Phoenix I. Petrel								
Bulwer's Petrel								
Sooty Petrel								
Red-tailed Tropicbird	✓							
White-tailed Tropicbird								
Masked Booby								
Brown Booby								
Red-footed Booby								
Great Frigatebird								
Golden Plover								
Ruddy Turnstone								
Wandering Tattler								
Sanderling								
Bristle-thighed Curlew								
Sooty Tern		30						2.5
Gray-backed Tern								
Brown-winged Tern								
Common Noddy								
Hawaiian Noddy								
Blue-gray Noddy								
Fairy Tern								
Tern	4							
Shearwater-Petrel		10						
Pterodroma		12						
Bird	1							Total Birds = 94 7.7

Location 14°59'N 170°51'W ad 120

Observer

Date 12 September, 1963 Time 0610 to 1830

Weather

12.3

Miles = 107

SPECIES	Abundance 1-10	Abundance 10-100	Abundance 100-1000	Abundance 1000 +	Breeding Nests	Breeding Eggs	Breeding Young	Remarks
Laysan Albatross								
Black-footed Albatross								
Wedge-tailed Shearwater		14						1.1
Christmas I. Shearwater								
Audubon's Shearwater								
Bonin I. Petrel								
Phoenix I. Petrel								
Bulwer's Petrel								
Sooty Petrel								
Red-tailed Tropicbird	8							
White-tailed Tropicbird	1							
Masked Booby								
Brown Booby								
Red-footed Booby								
Great Frigatebird	1							
Golden Plover								
Ruddy Turnstone								
Wandering Tattler								
Sanderling								
Bristle-thighed Curlew								
Sooty Tern								0.0
Gray-backed Tern								
Brown-winged Tern								
Common Noddy								
Hawaiian Noddy								
Blue-gray Noddy								
Fairy Tern								
Pterodroma	6							
Bird	6							Total birds = 36 2.9

Location 14°17'N 172°32'W at 1200

Observer

Date 13 September, 1963 Time ~~0600~~ 0621 to 1845

Weather

17.4

Miles = 85

SPECIES	Abundance 1-10	Abundance 10-100	Abundance 100-1000	Abundance 1000 +	Breeding Nests	Breeding Eggs	Breeding Young	Remarks
Laysan Albatross								
Black-footed Albatross								
Wedge-tailed Shearwater			199					16.0
Christmas I. Shearwater								
Audubon's Shearwater								
Bonin I. Petrel								
Phoenix I. Petrel								
Bulwer's Petrel	3							
Sooty Petrel								
Red-tailed Tropicbird	3							
White-tailed Tropicbird								
Masked Booby								
Brown Booby								
Red-footed Booby								
Great Frigatebird								
Golden Plover	1							
Ruddy Turnstone								
Wandering Tattler								
Sanderling								
Bristle-thighed Curlew								
Sooty Tern		50						4.0
Gray-backed Tern								
Brown-winged Tern								
Common Noddy								
Hawaiian Noddy								
Blue-gray Noddy								
Fairy Tern								
Tropicbird	1							
Shearwater-Petrel	5							
Pterodroma		18						
bird	2							Total birds = 282 22.7

Location 16°39'N 171°04'W at 1200

Observer

Date 14 September, 1963 Time 0617 to 1830

Weather

12.3 miles = 116

SPECIES	Abundance 1-10	Abundance 10-100	Abundance 100-1000	Abundance 1000 +	Breeding Nests	Breeding Eggs	Breeding Young	Remarks
Laysan Albatross								
Black-footed Albatross								
Wedge-tailed Shearwater		22						1.8
Christmas I. Shearwater								
Audubon's Shearwater								
Bonin I. Petrel								
Phoenix I. Petrel								
Bulwer's Petrel	1							
Sooty Petrel								
Red-tailed Tropicbird	6							
White-tailed Tropicbird								
Masked Booby								
Brown Booby								
Red-footed Booby								
Great Frigatebird								
Golden Plover								
Ruddy Turnstone								
Wandering Tattler								
Sanderling								
Bristle-thighed Curlew								
Sooty Tern		14						1.1
Gray-backed Tern								
Brown-winged Tern								
Common Noddy								
Hawaiian Noddy								
Blue-gray Noddy								
Fairy Tern								
Shearwater/Petrel	1							
Pterodroma	3							
bird	1							

total birds = 48 3.9

Location 14°30'N → 173°48'W at 1200

Observer Date 15 September, 1963 Time 0621 to 1839

Weather 12.3

Miles = 89

SPECIES	Abundance 1-10	Abundance 10-100	Abundance 100-1000	Abundance 1000 +	Breeding Nests	Breeding Eggs	Breeding Young	Remarks
Laysan Albatross								
Black-footed Albatross								
Wedge-tailed Shearwater			138					11.2
Christmas I. Shearwater								
Audubon's Shearwater								
Bonin I. Petrel								
Phoenix I. Petrel								
Bulwer's Petrel	3							
Sooty Petrel								
Red-tailed Tropicbird	3							
White-tailed Tropicbird								
Masked Booby								
Brown Booby								
Red-footed Booby								
Great Frigatebird	2							
Golden Plover								
Ruddy Turnstone								
Wandering Tattler								
Sanderling								
Bristle-thighed Curlew								
Sooty Tern			344					28.0
Gray-backed Tern								
Brown-winged Tern								
Common Noddy								
Hawaiian Noddy								
Blue-gray Noddy								
Fairy Tern								
0.1 Sooty Shearwater	1							
Mallard Duck	1							
Tern	1							
Pterodroma		13						
								Total birds = 506 41.1

Location 16°48'N + 172°22'W at 1200

Observer

Date 16 September, 1963 Time 0621 to 1829

Weather

12.1

Miles = 86

SPECIES	Abundance 1-10	Abundance 10-100	Abundance 100-1000	Abundance 1000 +	Breeding Nests	Breeding Eggs	Breeding Young	Remarks
Laysan Albatross								
Black-footed Albatross								
Wedge-tailed Shearwater		51						4.2
Christmas I. Shearwater								
Audubon's Shearwater								
Bonin I. Petrel								
Phoenix I. Petrel								
Bulwer's Petrel	5							
Sooty Petrel								
Red-tailed Tropicbird	4							
White-tailed Tropicbird	2							
Masked Booby								
Brown Booby								
Red-footed Booby								
Great Frigatebird								
Golden Plover								
Ruddy Turnstone	1							
Wandering Tattler								
Sanderling								
Bristle-thighed Curlew								
Sooty Tern	9							0.7
Gray-backed Tern								
Brown-winged Tern								
Common Noddy								
Hawaiian Noddy								
Blue-gray Noddy								
Fairy Tern								
tropicbird	2							
Shearwater-Petrel	5							
Pterodroma		13						
bird	3							Total birds = 95 7.9

Location 17°00'N 165°17'W at 1200

Observer

Date 17 September, 1963 Time 0609 to 1815

Weather

12.1

Miles = 90

SPECIES	Abundance 1-10	Abundance 10-100	Abundance 100-1000	Abundance 1000 +	Breeding Nests	Breeding Eggs	Breeding Young	Remarks
Laysan Albatross								
Black-footed Albatross								
Wedge-tailed Shearwater			119					9.8
Christmas I. Shearwater								
Audubon's Shearwater								
Bonin I. Petrel								
Phoenix I. Petrel								
Bulwer's Petrel	1							
Sooty Petrel								
Red-tailed Tropicbird	3							
White-tailed Tropicbird								
Masked Booby								
Brown Booby		10						
Red-footed Booby		12						
Great Frigatebird		14						
Golden Plover								
Ruddy Turnstone								
Wandering Tattler								
Sanderling								
Bristle-thighed Curlew	1							
Sooty Tern		91						7.5
Gray-backed Tern								
Brown-winged Tern								
Common Noddy								
Hawaiian Noddy								
Blue-gray Noddy								
Fairy Tern								
Terns		25						
Booby	7							
Tropicbird	1							
Shearwater - Petrel		47						
Pterodroma	3							
Bird	3							Total birds = 337 27.9

Location 18°41'N x 165°28'W at 1200

Observer Date 18 September, 1963 Time 0554 to ~~1800~~ 1754

Weather 12.1

Miles = 118

SPECIES	Abundance 1-10	Abundance 10-100	Abundance 100-1000	Abundance 1000 +	Breeding Nests	Breeding Eggs	Breeding Young	Remarks
Laysan Albatross								
Black-footed Albatross								
Wedge-tailed Shearwater			113					9.3
Christmas I. Shearwater								
Audubon's Shearwater								
Bonin I. Petrel								
Phoenix I. Petrel								
Bulwer's Petrel	5							
Sooty Petrel								
Red-tailed Tropicbird	1							
White-tailed Tropicbird	1							
Masked Booby	1							
Brown Booby								
Red-footed Booby								
Great Frigatebird	4							
Golden Plover	1							
Ruddy Turnstone								
Wandering Tattler								
Sanderling								
Bristle-thighed Curlew								
Sooty Tern		56						4.6
Gray-backed Tern								
Brown-winged Tern								
Common Noddy								
Hawaiian Noddy								
Blue-gray Noddy								
Fairy Tern								
tropicbird	1							
Shorebird	1							
Shearwater-Petrel		19						
Pterodroma		35						
bird	2							Total birds = 240 19.6

Location 20°00'N 161°39'W at 1200

Observer

Date 19 September, 1963 Time 0640 to 1841

Weather

12.0

Miles = 125

SPECIES	Abundance 1-10	Abundance 10-100	Abundance 100-1000	Abundance 1000 +	Breeding Nests	Breeding Eggs	Breeding Young	Remarks
Laysan Albatross								
Black-footed Albatross								
Wedge-tailed Shearwater		94						7 8
Christmas I. Shearwater								
Audubon's Shearwater								
Bonin I. Petrel								
Phoenix I. Petrel								
Bulwer's Petrel	7							
Sooty Petrel								
Red-tailed Tropicbird	1							
White-tailed Tropicbird								
Masked Booby	1							
Brown Booby								
Red-footed Booby	1							
Great Frigatebird								
Golden Plover	3							
Ruddy Turnstone								
Wandering Tattler								
Sanderling								
Bristle-thighed Curlew								
Sooty Tern		22						1.8
Gray-backed Tern								
Brown-winged Tern								
Common Noddy								
Hawaiian Noddy								
Blue-gray Noddy								
Fairy Tern	1							
Booby	5							
Tropicbird	3							
Shearwater-Petrel		11						15.0
Pterodroma		20						
Bird		11						Total birds = 180

Location 20°58'N, 158°12'W at 0900

Observer Date 20 September, 1963 Time 0623 to 1220

Weather 5.9

Miles = 50

SPECIES	Abundance 1-10	10-100	100-1000	1000 +	Breeding Nests	Eggs	Young	Remarks
Laysan Albatross								
Black-footed Albatross								
Wedge-tailed Shearwater				1392				235.9
Christmas I. Shearwater	1							
Audubon's Shearwater								
Bonin I. Petrel								
Phoenix I. Petrel								
Bulwer's Petrel	1							
Sooty Petrel								
Red-tailed Tropicbird								
White-tailed Tropicbird								
Masked Booby								
Brown Booby								
Red-footed Booby	9							
Great Frigatebird	1							
Golden Plover								
Ruddy Turnstone	2							
Wandering Tattler								
Sanderling								
Bristle-thighed Curlew								
Sooty Tern								0.0
Gray-backed Tern								
Brown-winged Tern								
Common Noddy	1							
Hawaiian Noddy								
Blue-gray Noddy								
Fairy Tern								
Newell's Shearwater	1							
Booby	2							
Shearwater-Petrel		10						
bird	5							Total Birds = 1425 241.5