

19° 22' N 161° 21'

Location 19° 19' N 160° 25' W (0653) to 17° 26' N 162° 15' W (1837)

Observer

Date 2 October, 1964 Time 0730 to 1730

Weather

150 miles 10,0

SPECIES	Abundance				Breeding			Remarks
	1-10	10-100	100-1000	1000 +	Nests	Eggs	Young	
Laysan Albatross								
Black-footed Albatross								
Wedge-tailed Shearwater		75						817
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	2							
Great Frigatebird	6							
Golden Plover								
Ruddy Turnstone								
Wandering Tattler								
Sanderling								
Bristle-thighed Curlew								
Sooty Tern		15						115
Gray-backed Tern								
Brown-winged Tern								
Common Noddy		11						
Hawaiian Noddy								
Blue-gray Noddy								
Fairy Tern								
5,0 Sooty Shearwater		50						
Newell's Shearwater	6							
Kermadec Petrel	1							no photo data
Small Pterodroma		89						303
Large Pterodroma		29						
Shearwater-Petrel	4							
bird	3							Total birds = 303

141°52'7 165°27

Location 15°35'N 164°19'W (0548) to 14°10'N 166°35'W (1753)

Observer

Date 3 October, 1964 Time 0730 to 1730

Weather

149 mls 10.0

SPECIES	Abundance				Breeding			Remarks
	1-10	10-100	100-1000	1000 +	Nests	Eggs	Young	
Laysan Albatross								
Black-footed Albatross								
Wedge-tailed Shearwater	3							0.3
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	2							
Ruddy Turnstone								
Wandering Tattler								
Sanderling								
Bristle-thighed Curlew								
Sooty Tern		19						1.8
Gray-backed Tern								
Brown-winged Tern								
Common Noddy								
Hawaiian Noddy								
Blue-gray Noddy								
Fairy Tern								
0.4 Sooty Shearwater	7							
Small Pterodroma		41						
Large Pterodroma	4							
Shearwater-Petrel		25						
								Total Birds = 100

10.0

-11° 28' 7" 169° 23'

Location 12° 18' N > 168° 19' W (0603) to 10° 38' N > 170° 27' W (1810)

Observer

Date 4 October, 1964 Time 0730 to 1730

Weather

10.0
150 mph

SPECIES	Abundance				Breeding			Remarks
	1-10	10-100	100-1000	1000 +	Nests	Eggs	Young	
Laysan Albatross								
Black-footed Albatross								
Wedge-tailed Shearwater		31						3.1
Christmas I. Shearwater								
Audubon's Shearwater								
Bonin I. Petrel								
Phoenix I. Petrel								
Bulwer's Petrel	1							
Sooty Petrel								
Red-tailed Tropicbird	1							
White-tailed Tropicbird								
Masked Booby								
Brown Booby	1							
Red-footed Booby								
Great Frigatebird								
Golden Plover	4							
Ruddy Turnstone								
Wandering Tattler								
Sanderling								
Bristle-thighed Curlew								
Sooty Tern		49						+ immatures 4.8
Gray-backed Tern								
Brown-winged Tern								
Common Noddy								
Hawaiian Noddy								
Blue-gray Noddy								
Fairy Tern								
110 Sooty Shearwater		10						
Kermadec Petrel	1							dark phase
Tern	1							
Small Pterodroma		80						
Large Pterodroma		30						
Shearwater-Petrel		14						
								TOTAL BIRDS = 219

21.9

Location

Observer

Date 6 October, 1964 Time 0730 to 1730

Weather

Ca 9 miles 10.0

SPECIES	Abundance				Breeding			Remarks
	1-10	10-100	100-1000	1000 +	Nests	Eggs	Young	
Laysan Albatross								
Black-footed Albatross								
Wedge-tailed Shearwater		17						1.7
Christmas I. Shearwater								
Audubon's Shearwater								
Bonin I. Petrel								
Phoenix I. Petrel								
Bulwer's Petrel								
Sooty Petrel								
Red-tailed Tropicbird	1							
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								0.0
Gray-backed Tern								
Brown-winged Tern								
Common Noddy	2							
Hawaiian Noddy								
Blue-gray Noddy								
Fairy Tern								
31.6 Sooty Shearwater			318					
Kermadec Petrel	1							
Small Pterodroma		18						
Large Pterodroma	2							
Shearwater-Petrel	2							

36.2

Total birds = 362

Location $08^{\circ}19.6'N \ 173^{\circ}25.5'W (1200)$

Observer

Date 7 October, 1964 Time 0730 to 1750

Weather

59 mi 10.0

SPECIES	Abundance				Breeding			Remarks
	1-10	10-100	100-1000	1000 +	Nests	Eggs	Young	
Laysan Albatross								
Black-footed Albatross								
Wedge-tailed Shearwater		16						1.6
Christmas I. Shearwater								
Audubon's Shearwater								
Bonin I. Petrel								
Phoenix I. Petrel								
Bulwer's Petrel		10						
Sooty Petrel								
Red-tailed Tropicbird								
White-tailed Tropicbird								
Masked Booby								
Brown Booby								
Red-footed Booby								
Great Frigatebird								
Golden Plover	1							
Ruddy Turnstone	2							
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	3							
1.6 Sooty Shearwater		16						
Leach's Storm Petrel	3							
11.6 Terns	6							
Small Pterodroma		19						
Large Pterodroma		10						
Shearwater-Petrel		30						
Bird	2							
								Total birds = 118

Location 04°29'N 175°06'W (172°)

Observer _____

Date 8 October, 1964 Time 0735 to 1730

Weather _____

183 miles 9.9

SPECIES	Abundance				Breeding			Remarks
	1-10	10-100	100-1000	1000 +	Nests	Eggs	Young	
Laysan Albatross								
Black-footed Albatross								
Wedge-tailed Shearwater		33						3.3
Christmas I. Shearwater								
Audubon's Shearwater								
Bonin I. Petrel								
Phoenix I. Petrel								
Bulwer's Petrel	6							
Sooty Petrel								
Red-tailed Tropicbird								
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		27						2.7
Gray-backed Tern								
Brown-winged Tern								
Common Noddy								
Hawaiian Noddy								
Blue-gray Noddy								
Fairy Tern	1							
0.6 Sooty Shearwater	6							
Leach's Storm Petrel	4							
Shearwater - Petrel	6							
Small Pterodroma	9							
Large Pterodroma	6							
Bird	2							Total birds = 101

101

Location Island to 13°11'S 7 170°31'W (1824)

Observer _____ Date / November, 1964 Time 1100 to 1700

Weather _____ 6.0

NOVEMBER
1964

SPECIES	Abundance				Breeding			Remarks
	1-10	10-100	100-1000	1000 +	Nests	Eggs	Young	
Laysan Albatross								
Black-footed Albatross								
Wedge-tailed Shearwater	2							0.3
Christmas I. Shearwater								
Audubon's Shearwater								
Bonin I. Petrel								
Phoenix I. Petrel								
Bulwer's Petrel								
Sooty Petrel								
Red-tailed Tropicbird								
White-tailed Tropicbird	2							
Masked Booby								
Brown Booby								
Red-footed Booby								
Great Frigatebird								
Golden Plover								
Ruddy Turnstone								
Wandering Tattler								
Sanderling								
Bristle-thighed Curlew								
Sooty Tern								0.0
Gray-backed Tern								
Brown-winged Tern								
Common Noddy		89						
Hawaiian Noddy								
Blue-gray Noddy								
Fairy Tern		32						
0.3 Sooty Shearwater	2							
Pterodroma	6							
Shearwater-Petrel	4							
bird	1							
								Total birds = 137

27.9

Location $09^{\circ}34'S + 170^{\circ}30'W$ (1205)

Observer

Date 2 November, 1964 Time 0800 to 1730

Weather

9.5

SPECIES	Abundance				Breeding			Remarks
	1-10	10-100	100-1000	1000 +	Nests	Eggs	Young	
Laysan Albatross								
Black-footed Albatross								
Wedge-tailed Shearwater	1							0.1
Christmas I. Shearwater								
Audubon's Shearwater								
Bonin I. Petrel								
Phoenix I. Petrel								
Bulwer's Petrel	1							
Sooty Petrel								
Red-tailed Tropicbird								
White-tailed Tropicbird	3							
Masked Booby								
Brown Booby								
Red-footed Booby								
Great Frigatebird								
Golden Plover	1							
Ruddy Turnstone								
Wandering Tattler								
Sanderling								
Bristle-thighed Curlew								
Sooty Tern		27						2.8
Gray-backed Tern								
Brown-winged Tern								
Common Noddy								
Hawaiian Noddy								
Blue-gray Noddy								
Fairy Tern		27						
0.9 Sooty Shearwater	9							
Tropic bird	1							9.1
Pterodroma	3							
Shearwater-Petrel	4							
bird	1							
								Total birds = 78

