

SI-MNH-958e  
7-28-64

Noon Position: 0-56 N, 177-29 W

SMITHSONIAN INSTITUTION  
DIVISION OF BIRDS  
AT SEA DAILY LOG -- E



DATE 1 Mar 1966  
Pg. # 1

time	species	#	dir.	hgt.	remarks	loc.
0715					Watch commenced leaving Howland Island course 280°	
0722	Sooty Tern	1	S		Ad.	
0726	W-R Storm Petrel	1	W			
0730	Storm Petrel	1	N		Looked gray?	
0733	Sooty Tern	5	S		Ad.	
	"	3	W		"	
	Blue-f. Booby	1	E		Ad	
0739	Sooty Tern	2	SW		Ad.	
0742	"	1	W		ad's	
0745	" "	4	W		ad's.	
0804	" "	1	E		Ad.	
0812	Bulwer's Pet	1	N			
0813	Sooty Tern	1	⊙		ad.	
0820	W-V Storm Pet	1	⊙			
0826	Fairy Tern	1	N			
0832	Bulwer's Pet	1	NE			
0835	Fairy Tern	2	⊙			
CC 0842	Sooty Tern	2			Ad.	
0842	Shear/Petrel	1	E			
0846	Blue-f. Booby	1	⊙		Ad. (wounded)	
0850	Sooty Tern	1	E		ad	
0916	W-R Storm Pet	1	N			
0925	" " "	1	⊙			
0928	Sooty Tern	3	⊙		ad's fish jumping	
0932	W-R Storm Pet	2	S			
0933	Bulwer's Pet	1	⊙		in front of rain squall.	
0934	WTTB	1			on H2O.	
0935	W-R Storm Pet	1	E			
0940	" " "	1	E			
0941	Sooty Tern	4	⊙		feeding in front of rain squall.	
0954	Bulwer's Pet	1	N			
0955	WR Storm Pet	1	E			
1005	Sooty Tern	2	NW		Ad	
1048	W.R. Storm Pet	2	⊙		Ad	
1116	Sooty Tern	2	SE			
1123	W.R. Storm Pet	2	E			
1128	" " "	1	⊙			
1132	Sooty Tern	1	N			



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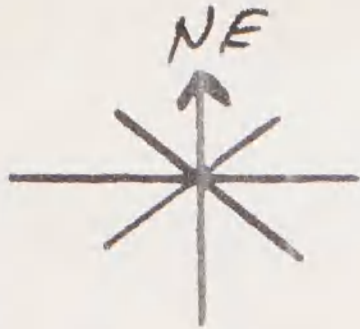
DATE 1 May 1966  
Pg. # 2

time	species	#	dir.	hgt.	remarks	loc.
1150	Blue-f. Booby	1	W		Ad	
	Bulwer's Petrel	1	⊙			
1157	"	1	NE			
1220	W-R Storm Pet	1	W			
1252	Sooty Tern	2	N		ad's.	
1257	Bulwer's Pet	1			on H <sub>2</sub> O.	
1305	" "	1	E			
1310	" "	2	⊙			
1325	W-R Storm Pet	3			2 on H <sub>2</sub> O	
C 1328	BFB	1			coll. 25c subad. Not Banded	
1337	Shear-Pet	1	E		storm pet or Bulwer's.	
1341	WR Storm Pet	1	E			
1343	WR Storm Pet	2	⊙		} all together.	
	Bulwer's Pet	2	⊙			
1347	Bulwer's Pet	1	N			
1350	" "	1	E			
1359	W-R Storm Pet	1	W			
1402	Brown Booby	1	N		ad.	
1405	wedgetail	1	W		dark phase	
1405					2 large rain squalls; 1 N, 1 S	
1413	Bulwers P.	1	E			
1415	"	1	W			
1416	Wedgetail	1	W		light phase	
1421	Bulwers	1	SW			
C 1425	"	2			sitting on H <sub>2</sub> O (1 coll BAH.)	
1430					change course to NE	
1435					Ship entering rain squall.	
1443	Bulwers	1	E			
1512					porpoise or whale	
1517	Bulwers	3			sitting on H <sub>2</sub> O	
C 1520	"	2	NE		1 coll (B.S.H.)	
1529	Brown boob.	1	NW		adult	
1531	W-R Storm Pet	2	NE			
1540	"	1	NE			
1543	Bulwers	2	E			
1544	"	1	NE			
1549	W.R. Storm Pet	1	NW			
1554	Bulwers Pet	1	E		were sitting on H <sub>2</sub> O & flushed.	
TF 1600	Sooty Tern	6	⊙		Ad.	
1613	Bulwer's Pet.	1	⊙		Dropped after shot but along way away	
1619	"	1	⊙			



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AT SEA DAILY LOG -- E

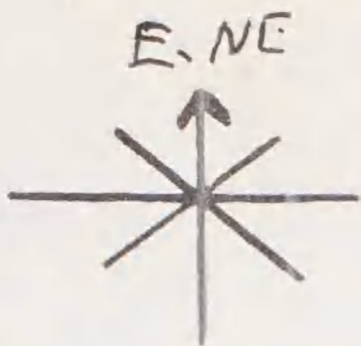
DATE 1 Mar 1968  
Pg. # 3

time	species	#	dir.	hgt.	remarks	loc.
1622	R-T Tropicbird	1	NE			
1630	Bulwer's Pet.	1	E			
1640	W-R Storm Pet.	1	⊙			
1706	Bulwer's Pet.	1	NE			
1710	W.R. Storm Pet.	1	NE			
1711	Bulwer's Pet.	1	SE			
C 1720	"	4	SE		1 collected Thompson	
1734	"	1	S			
1741	"	2	SE			
1745	"	1	NE			
1755	Wedge-tail S.	1	⊙		white phase	
	Bulwer's Pet	2	SE			
C 1800	R.T. Tropicbird	1			Coll. Thompson	
1810	W.R. Storm Pet	1	⊙			
1815	"	1	⊙			
	Bulwer's Pet	1	⊙			
1824	" "	1	SE			
1829	" "	1	SE			
1844	" "	1	SE			
1850	" "	1	SE			
1855	W.R. Storm Pet.	1	⊙			
1905					Sunset	



midnight Position: 1-51N; 176-59W

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SMITHSONIAN INSTITUTION  
DIVISION OF BIRDS  
AT SEA DAILY LOG -- E

Nocturnal

DATE <sup>2</sup> March 1966  
Pg. # 1

time	species	#	dir.	hgt.	remarks	loc.
1905					Sunset - begin observations	
2120	Sooty Tern	1			circling above ship	
2320	Shear-Pet	1			made pass beside ship, look closely, white breast, probably a light wedgetail.	
0225	Sooty Tern	1	SW		Ad - high overhead	
0415	Sooty Tern	2			one adult, other not positive as to age.	
0517	" "	1			↑ wide-awake call.	
0526	Bird	1			→ high over ship. Gave a single-note, very soft call barely audible. → Flew high over ship; silent. light below.	
0654	Storm Pet	1	E			
0655					Sunrise - closed nocturnal observations	



Noon Position: 1-21N; 176-40W

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SMITHSONIAN INSTITUTION  
DIVISION OF BIRDS  
AT SEA DAILY LOG -- E

DATE 2 March 1965  
Pg. # 1

	time	species	#	dir.	hgt.	remarks	loc.
	0655					sunrise - begin diurnal observations	
	0700	Bulwer's Pet.	1	NE			
	0706	RTTB	1	SE		immature	
	0723	Wedge-tail	1	W		light Phase	
	0731					3 whales heading N ~ 12'. 15' long	
	0732	Sooty Tern	2	S		1 adult, 1 immature	
	0735					6 whales heading S	
	0736					heading West	
FF	0820	Audubon S.	1				
		Wedge Tail S.	4			DK Phase	
		Sooty Tern	50			49 Ad 1 Imm } over fish	
FF	0825	Sooty Tern	47			1 Imm 46 Ad. } no fish seen	
		Wedge-Tails.	2			DK phase	
FF	0910	Sooty Tern	28			Ad. no fish seen	
	0917	Pterodroma hypoleuca (Fide RSC)	1	N		Resembled <i>P. inexpectata</i> but belly not seen clearly. Might also have been <i>P. hypoleuca</i> or <i>P. cookii</i> . whose confused?	
	0925	Fairy Tern	2	⊙		Feeding	
	1025	WR Storm Pet	1	N			engine stop oil slick put out
	1035						
C	1055	BFB	1			coll. Heats Skuff - 757 65 874 Phoenix I. now. ex	
	1115	sooty/slender-tail	1	N		dark underwing. Rain squall.	
C	1120	Leach's S.P.	1			collected over skuff	
C	1125	" "	1			" " "	Squalls
	1140	Bulwer's Pet	3	⊙			
	1150	JF Petrel	1	⊙			
	1151	Bulwer's Pet	1			⊙ in front of rain squall	
	1210	W.R. Storm Pet	1	⊙			
	1226	" " "	1	⊙			
	1240	" " "	1	⊙			
	1242	Shear-Pet	1	W			
	1300					underway again almost !!	
	1322	BFB	1	NW		Ad.	
	1330	BFB	1	⊙		Ad	
C	1342	BFB	1			coll. Ad 757-62114 Endeavour Nov 69	
	1347	BFB	1	⊙		Ad	
	1420	"	1	⊙		Ad	
	1427	Red Foot B.	1			ad. sitting on H <sub>2</sub> O.	
	1437	BFB Booby	1	S		sub adult	



Noon Position: 1-21 N; 176-40 W

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AT SEA DAILY LOG -- E

DATE 2 March 1966  
Pg. # 2

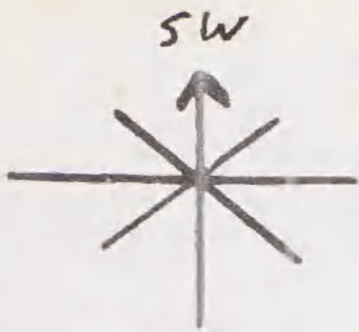


time	species	#	dir.	hgt.	remarks	loc.
1450	BFB	1			feeding. Adult.	
1455	"	1			ad.	
C 1455	Wedgetail	1	E		light <del>at</del> coll (BAH)	
1520	Bulwers	1				
1530					rain squalls to S and E.	
1605	Sooty Tern	4			} Feeding	
	BFB.	1				
1615	W.R Storm Pet	1				
1640	Sooty Tern	1	⊙			
1714	W.R. Storm Pet.	1	S			
1715	WR. Storm Pet	1	N			
1724	"	1	S			
1728	Bulwers Pet	1	S			
1740	"	1	S			
1741	Bulwers	4	⊙		sitting on water	
1743	W.R Storm Pet	4	⊙		sitting on H <sub>2</sub> O	
1743	Bulwers Pet	1	N			
C 1751	<del>BFB</del> Leuch's Storm Pet	1			Collected Lewis & Smith	
1759	BFB	1	⊙		Banded # 8 band Sub Ad NOT coll.	
1801	W.R Storm Pet	1	⊙			
1802	WR Storm Pet	1	W			
1803	Bulwer's Pet	1	NW			
1905					SUNSET	
1913						



Midnight Position: 0-06S · 178-05W

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SMITHSONIAN INSTITUTION  
DIVISION OF BIRDS  
AT SEA DAILY LOG -- E

Nocturnal

2-3

DATE 23 March 1966  
Pg. # 51

time	species	#	dir.	hgt.	remarks	loc.
1905					sunset	
1913	W-T Shear	1	SE		dark phase	
1932	Tropic bird sp?	1	SW			
2046	W-T Tropic bird	1	NE			
2050	W-R Storm Pet	1	NW			
2135	Sooty Tern	1	?			
2155	Bird	1	NE			
2225					started drifting in rain squall	
	Sooty Tern	1	⊙			
	Shearwater/Pet.	1	⊙			
	Bird	1	⊙			
2246					rain ended returned to cruising	
2255	Bird	1	NE			
0351	Sooty Tern	1	⊙			
0400					change course to 050°	
0643	BTTB	1	E		Ad	
0658					Sunrise end obs.	



Noon Position: 00-00-; 176-48W

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7-28-64



SMITHSONIAN INSTITUTION  
DIVISION OF BIRDS  
AT SEA DAILY LOG -- E

DATE 3 March 1966  
Pg. # 1

time	species	#	dir.	hgt.	remarks	loc.
0658					Sunrise	
0713	W.A. Storm Pet	1	⊙		Tuna jumping nearby	
0720	Sooty Tern	1	NE		Ad	
0724	Sooty Tern	1	SW		Ad	
0800	" "	1	S		ad	
0807	White-rump Storm Pet	1	NE			
0847	Red-foot Booby	1	SW			
0851	White-rump S.P.	1	NE			
0902	Sooty Tern	1	N			
0925	" "	3	NW			
0925	Golden Plover	1	N			
0925	White-rump S.P.	1	NE			
0925	" "	3	NE			
0938	Bulwer's	1	NE			
C 1020	<del>Leach's</del> Storm Pet	1	⊙		Thompson	
1030	WTI Bird	1	W			
1052	W.R. Storm Pet.	1			on water	
1116	"	3	⊙			
1135	Bulwer's Pet	1	⊙			
1150	"	1	N			
	W.R. Storm Pet.	1	N			
1158	Bulwers	1	N			
1159	C.I. Shear	1	N			
C 1245	Sooty Tern	30+			Himm nest Ad. - 1 coll } <sup>Hunted</sup> feeding 2 SA 3 Ad. S. Park.	
	BFB	5				
	BFB	1				
	Bulwer's Pet	1				
1315	W.R. Storm Pet	1	NE			
1320	" " "	2	⊙			
C 1335	Leach's Storm Pet	1	⊙		call Hatched	
1339	W.R. Storm Pet	2	⊙			
1344	Sooty Tern	2	⊙ N		Ad	
1355	W.R. Storm Pet	1	⊙		Sighted by Capt Knull	
1400					Launched skiff strip stopped oil slick out	
1415	White-rumped Storm Pet	1			on slick	
C	Leach's S.P.	1			collected slick Hatched	
C 1430	Bulwer's Pet	1			collected over slick Hatched	



Noon Position: 00-00 - 176-48W

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SMITHSONIAN INSTITUTION  
DIVISION OF BIRDS  
AT SEA DAILY LOG -- E



DATE 3 March 1966  
Pg. # 2

time	species	#	dir.	hgt.	remarks	loc.
c 1445	Sooty tern	3			ab. over slick 1 coll. 4 noted	
1445					2 sharks around ship - white tipped dorsal fins - 1 killed resc.	
1530					pick up skiff - ship moves out	
1542	Bulwer's Pet	1	E			
1546	BFB	1	☉		ad	
* 1600	Sooty Tern	3			feeding	
1615	BFB	1	NE		adult	
1616	Sooty Tern	1	NE			
1629	Sooty Tern	1	☉		adult Baker Island in sight.	
1632	Golden Plover	1	NE			
1633	Sooty Tern	1	NN			
1648	BFB	2	NE		Ad	
1652	sooty tern	2	E			
1710	BFB	1	N		adult	
1715	Frigates	13			feeding + soaring	
1721	BFB	1	SW			
1730	W-R Storm Pet	1	NN			
1739	"	1	NN			
1747	shear/pet	1	☉			
1809	W-R Storm Pet	1	E			
1810	"	1	NE			
1817	Bulwers	1	E			
1825	WR Storm Pet	1	E			
1827	wedgetail	1	NE		dark	
1829	W-R storm Pet	1	NE			
1832	"	1	NE			
1834	B.F. Booby	1			following ship.	
1857					sunset.	



Midnight Position: 0-18 N; 176-00 W

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SMITHSONIAN INSTITUTION  
DIVISION OF BIRDS  
AT SEA DAILY LOG -- E

NOCTURNAL

DATE 3-4 March 1966  
Pg. #     

time	species	#	dir.	hgt.	remarks	loc.
1857					Sunset.	
1918	Bulwers	1	E			
1920	BF B	1			circled ship.	
2029	Sooty Tern	1				
2045	Tern sp.	1			probably sooty.	
2108	Sooty tern	1	NW		calling.	
2131	WTTB	1			flew off H <sub>2</sub> O	
2140	Shearbird	1				
2144	GB Tern	1	⊙		flying along side ship - prob. RT.	
2150	Tropicbird sp.	1	E		identified by call.	
2200						
2208	sooty tern	1	E		change course to SW	
C 2225	Red-foot B	1			ad. 120m - c. l. BSC.	
2240	Sooty Tern	1	W		calling.	
2345	RF Booby	1	⊙			
0020	Booby	1	⊙			
0045	"	1	W			
0100	Tropicbird	1	⊙		calling	
0101	Sooty Tern	1	⊙		"	
0204	"	1	⊙		calling	
0232	Bird	1	⊙		calling	
0242	Bird	1	⊙		calling	
0410	Shear-Pet	1	⊙		Probably a shearwater/Petrel	
0500	Sooty Tern	3	cccc			
0530	Shear-Pet	1	ccc			
0645					heading 195°	
0651	Shear/Pet	1	ccc			
0654					Sunrise	



Noon Position: 0-55 S; 177-01 W

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AT SEA DAILY LOG -- E

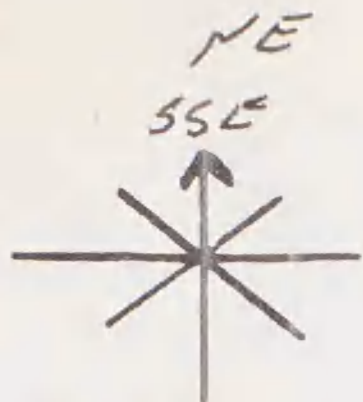


DATE 4 March 1966  
Pg. # 1

time	species	#	dir.	hgt.	remarks	loc.
0654					sunrise	
0700	W.R. Storm P.	1	W			
0711	Sooty Tern	2	NW			
0748	" "	3	SW		Ad	
0756	" "	1	E		Ad	
0844	W-R. Storm Pet	1	NW			
0847	Frigatebird sp	1	⊙		up high	
0913	W-R Storm Pet	1	SE			
0932	BFB	1	⊙		Ad	
0937	WTTB	1	⊙		SA	
0955	Sooty Tern	1	NW		Ad	
1015	Ruddy Turnstone	1	S			
1030	WR Storm Pet	2	⊙			
1043	" "	1	NE			
1050	" "	1	"			
TF 1113	Sooty T.	2	NW		all ad	
	Wedgetail	1	NW		light	
	Frigate <del>sp</del>	1	NW		adult ♂	
1135	Red-F. Booby	1	N			
1145	Bulwers	1	NE			
1208	WR storm pet	3	⊙			
1230	" " "	2			on H <sub>2</sub> O	
1232	sooty tern	3	⊙		ad's.	
1256	W-R Storm Petrel	1	⊙			
1309	Bulwers Pet	1	N			
1335	W-R Storm Pet	1	N			
1337	" " "	1			on H <sub>2</sub> O	
C 1337	Leach's S.P.	1			on H <sub>2</sub> O coll. RSE.	
1400	W.R. Storm Pet.	1	⊙			
	Blue-gray Noddy	2	NE			
1410	W.R. Storm Pet	1			on H <sub>2</sub> O	
1428	" "	1			on H <sub>2</sub> O	
1435	" "	3			on H <sub>2</sub> O	
1500	" "	1	⊙			
1506	" "	1	S			
1536	Pomarine	2				
1540	Bulwers Pet	4	⊙			
1552	W-R. Storm Pet.	1	SSE			
1609	" " "	1	⊙			
1621	" " "	1	⊙			



SI-MNH-958e  
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Noon Position: 0-55S; 177-01W  
SMITHSONIAN INSTITUTION  
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DATE 4 Mar 66  
Pg. # 2

time	species	#	dir.	hgt.	remarks	loc.
1632	W.R. Storm Pet	1	all		Sat on H <sub>2</sub> O for a short time	
TF 1635	Bulwers Pet	1	NW			
1636	Sooty Tern	7	SW		Ad. Travelling	
1637	Bulwers Pet	1	W			
1708	W.R. Storm Pet	1	all			
1725 1727	Sooty Tern	1	SE		Ad. change course to NE	
1741	W.R. Storm Pet	1	E			
1744	Bulwers Pet	1	NW			
1810					Launching skiff? Boat stopped	
1818	W.R. Storm Pet	1	⊙			
1824	Ruddy Turnstone	1	N			
1830	Shear/Pet.	1	N			
1843	sooty tern	2	SW		ad's.	
1844	<del>W.R. Storm Pet</del>	2	all		over stick collected chested skiff.	
C 1844	Shear/Pet.	1				
1850	Bulwers Pet	1	N			
1859	W-R storm Petrel	1	all			
1902					Sunset	



Midnight Position: 1-075; 176-37W

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7-28-64

SMITHSONIAN INSTITUTION  
DIVISION OF BIRDS  
AT SEA DAILY LOG -- E

DATE 4<sup>5</sup> March  
Pg. # 1



Nocturnal

time	species	#	dir.	hgt.	remarks	loc.
1902	WT Shearwater	1	⊙		large dark phase	Ship drifting all night. Bright moonlight.
1904	WR Storm Pet	1	⊙		already back	
1920	" " "	1	⊙			
1930	" " "	1	⊙		on slick.	
1955	Sooty Tern	1	⊙		calling over head	
2045	Ruddy Turn.	1	⊙			
2055	WR Storm Pet	1	⊙			
2100	Golden Plover	2	—		} circling ship.	
2110	WR Storm Pet	1	—			
2130	"	1	—			
2140	"	1	—			
2200	"	1	—		coll but eaten by shark.	
2222	Bird	1	—		circle ship.	
2230	Storm Petrel	1	—		shorebird or storm pet.	
2240	Audubon's Shear.	1	—			
2241	Bulwer's Pet.	1	—			
2300	W-R. Storm Petrel	1	—			
2307	"	1	—			
2325	"	1	—			
2330	Bird	1	—			
2335	W-R. Storm Pet	2	—			
2342	"	1	—			
0022	WT Shear	1	SE		light phase	
0049	Sooty Tern	1	⊙		call only	
0054	" "	1	SE		adult	
0105	" "	1	SE		adult	
0113	" "	1	SE			
0116	Shear/Pet	1	⊙		light belly	
0132	" "	1	NW		light belly	
0159	Sooty Tern	1	SE			
0252	" "	2	SE		calling	
0345	Fairy Tern	4	SE			
0350	Golden Plover	1	N			
0400					under way (stop drifting) (drift East)	
0429	Storm Pet	1	—		Fall ship	
0654					Sunrise	

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AT SEA DAILY LOG -- E

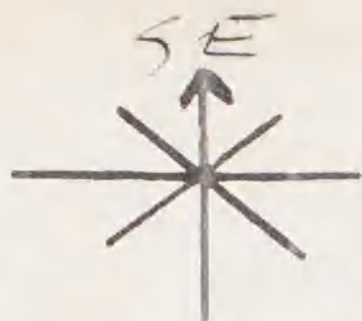
Noon Position: 0-38.5; 175-54 W

DATE 5 Mar 1966  
Pg. # 1

time	species	#	dir.	hgt.	remarks	loc.
0654					Sunrise. Begin Diurnal obs.	
0708					change course to 057°	
0710	W.R. Storm Pet.	1	⊙			
C-0720	Heard's Pet	1			MCT	
0820	W.A. Storm Pet	1	oee			
0824	" " "	1	mp			
0826	BFB	1	oee			
0908	Sooty Tern	2	W		S.A. Following ship Ad.	
1028	Sooty Tern	1	W		Ad.	
1110	W.A. Storm Pet	2			Sitting on water	
1112	"	1	⊙			
1304	Gray-back T.	1	⊙		Feeding	
1305	Sooty T.	3	SW		travelling	
1310	W.R.S. Petrel	1	S			
1315	Bulwer's	1			sitting on H <sub>2</sub> O	
1322	W-R.S. Pet.	2			" " "	
C 1325	Bulwers	1	S		Coll. (BAH)	
C 1447	Leach's Pet	1			coll. by HERTFORD	
1509	W.R. Storm Pet	1	E			
1613	Bulwers	2	E			
1632	W-R Storm Pet	2			Sitting on H <sub>2</sub> O	
1640	Bulwers Pet	1	⊙			
1644	" "	1	SE		Adult phase	
1646	Wedgetail	1	W			
1652	Shear-Pet	1	S			
1658					loypoise 1	
1712	Bulwers Pet	1	SE			
1732	" "	1	SE			
1827	Sooty Tern	1	NE		Ad	
1843	W-R Storm Pet	1	N			
1856					Sunset change course for Carter	
END GRID # 5						



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SMITHSONIAN INSTITUTION  
DIVISION OF BIRDS  
AT SEA DAILY LOG -- E

SIC 11

Noon Position: 1-39S; 173-06W

DATE 6 March 1966  
Pg. # 1

time	species	#	dir.	hgt.	remarks	loc.
0643					Begin Observations - Sunrise	
0658	W.T. Shearwater	1	NW		dark phase	
0708	Tern sp	1	NE			
0725	W.R. Storm Pet	1	SE			
0733	W.R. Storm Pet	1	SE			
0742	Bulwers	1	SE			
0742	W.R. Storm Pet	1	SE			
0744	W.R. Storm Pet	1	SE			
0759	"	1	NE			
0838	Bulwers Pet	1	SE			
0848	W.R. Storm Pet.	1	S			
0903	"	1	SE			
0907	"	1	SE			
0932	"	1	SE			
0955	"	1	SE			
1038	Wedgetail	1	W		dark	
1045	RTTB	1	SE			
1052	W.R. Storm Pet	1	SE			
1056	" " "	2	SE			
1105	Bulwers Pet	1	SW			
1117	W.R. Storm Pet	1	SE			
1120	Leach's Storm Pet	1	SE		all	
1133	W.R. Storm Pet	1	SE			
1143	" " " "	1	SE			
1145	W-R Storm Pet	2	SE			
1146	Bulwers Pet	1	SE		shot by Husted	
1220	" " "	1	E			
1220					Rain squalls to S & E	
1240					ship entering rain squall	
1258	W-R. Storm Pet	1	E			
1300					rain squall 1/4 mile ahead	
1308	Leach's Storm Pet	1	E		in light rain squall. Coll. BAH	
1310	B-G Noddy	1			circled ship	
1330	W-R. Storm Pet	1				
1335					ship under way. Stop since 1308.	
1337	Sooty Tern	3	SW		adults	
1340	W.R. Storm Pet	1	SE			
1345	"	2	E			
1347	"	2	E			
1349	"	1	NE			
1349					very large turtle	



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SMITHSONIAN INSTITUTION  
DIVISION OF BIRDS  
AT SEA DAILY LOG -- E

SIC 11



Noon Position: 1-39 S; 173-06 W

DATE 6 March 1966  
Pg. # 2

	time	species	#	dir.	hgt.	remarks	loc.
	1353	W-R Storm Pet	1	-			
	1355					rain squalls to NE and S & SE	
	1358	W-R Storm Pet	1	-			
	1401	W-R Storm Pet	1	cew			
	1406	W-R Storm Pet	1	cew			
	1408	W-R Storm Pet	1	cew			
	1412	Bulwer's Pet	1	N			
	1439	Bulwer's Pet	1	E			
	1445	W-R Storm Pet	2	cew			
	1450	" "	1	⊙			
	1509	" "	1	SE			
	1512	Bulwer Pet	1	NW			
	1539	Shear/Pet	1	⊙		tight belly and under wings	
	1544	W-R Storm Pet	1	⊙			
C	1556	W-R Storm Pet Leach's Storm Pet	1			shot by F. Smith	
	1611	W-R Storm Pet	1	S			
FF	1613	Fairy Tern Sooty Tern G-B Tern	6 6 1	⊙			
FF	1640	Sooty Tern G-B Tern Fairy Tern Audubon Shear Wedge-tail W-R Storm Pet	35 10 1 1 8 1	SE 10 ⊙		Some Im. 2 light plume G-B Tern	
	1650	Fairy Tern	1	S			
TF	1700	Fairy Tern Sooty Tern	4 3	S		all adult	
FF	1708	Fairy Tern Sooty Tern Audubon's Shear	10 3 2	⊙ ⊙ ⊙		Adult	
FF	1735	Fairy Tern Sooty Tern CMT Audubon's Shear	12 20 9 3	⊙ ⊙ ⊙ ⊙		All Adults	
	1751	Sooty Tern	1	N		Ad	
	1757	Xmas Is. Shear	1	E		edge of squall	
	1820	Sooty Tern	2	N		Adults	
	1825	Fairy Tern	1	SE		" "	
	1840	Xmas Is. Shear	1	E		" "	
	1845	W-R Storm Pet				into squall	SE
	1846	Sunset				close observation	



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Noon Position: 2-19.5; 170-26W

SMITHSONIAN INSTITUTION  
DIVISION OF BIRDS  
AT SEA DAILY LOG -- E

SIC 11



DATE 7 March 1966  
Pg. # 1

*Canton at Midnight*

time	species	#	dir.	hgt.	remarks	X-mas	loc.
0620					Begin observations		
<del>0632</del>	<del>Blue-F. Booby</del>	<del>2</del>	<del>NI</del>		<del>adults</del> <span style="color:red">ANAC</span>		
<del>0632</del>					SUNRISE		
C 0638	Frig. Gull	1	NW		coll. (BAH) Imm.		
0650	W.R. Storm Pet.	1	E				
0712	BFB	2	NI		adults		
0725	Sooty Tern	1	NE				
0725	<del>W.R. Storm Pet.</del> Bulwer's	1	NE				
0732	W.R. Storm Pet.	1	OK				
0733					rain squall to XI.		
0736	<del>B. Booby sp.</del>	5	NW				
0742	B.F. Booby	4	NW				
0743	"	1	NW				
0749	Sooty Tern	1	SW		adult		
0753	Wedge tail	1	SW		dark phase		
0756	G-B Tern	1	⊙				
0805	"	2	ENE				
0813	B.F. Booby	1	"		Ad.		
0815	R-TTB	1			on the O		
0840	G-B Tern	2	ENE				
0849	R-f. Booby	1	N		Dark Adult		
0906	B.F. Booby	1	S		Ad.		
TF 0908	sooty Tern	7	NE		ad's traveling		
0915	Bulwer's Pet.	1	⊙				
C 0937	Wedge tail S.	1			Dark Phase (MCT)		
TF 0946	Sooty Tern	6	NE		Ad.		
	R-f. Booby	1	"		Dark Phase		
0953	White Bird	1			Fairy Tern or tropicbird		
1011	Wedge tail	1	SE		Dark phase		
TF 1015	sooty Terns	18	NE		1st coll. 1st imm		
C	<del>Red-footed Booby</del>	4			Imm		
	Wedge tail S.	1					
1033	Storm Pet	1	N		No white rump - Not a Bulwer's All Black Tail not forked - seen bounded		
1034	Frigate Sp.	2	⊙				
1037	BFB	1			Following ship Ad		
1037	wedge tail	1			" " Dark phase		



Neon Position: 2-195; 170-26W

SIC 11

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SMITHSONIAN INSTITUTION  
DIVISION OF BIRDS  
AT SEA DAILY LOG -- E

DATE 7 March 69  
Pg. # 2



time	species	#	dir.	hgt.	remarks	loc.
1100	Frigatebird sp.	1	NE	—	♀	
1101	Wedgetail	1	NE	—	Dark Phase following ship	
1105	Bird sp.	1				
1122	Wedgetail	1	NE	—	Dark Phase	
1122	Wedgetail	1	NE	—	Dark Phase	
1123	W.R. Storm Pet	1	⊙	—	light belly light band on underwings	
FF 1126	Sooty Terns	18	⊙			
	Frigatebird sp.	2				
	Blue faced Bob.	1	—		Imm	
	Red footed Bob	4	—		Imm	
	Wedgetail	2	—		Dark Phase	
1132	B. faced Booby	1	NE	—	following ship	
1143	"	1	N			
1200	Bulwer's Pet	1	W			
1235	R. F. Booby	1	⊙			
1249	Wedgetail	2	N	—	Dark	
CC 1320	Sooty Tern	2	—	Ad	call (stutter)	
1350	" "	1	NE	—	Ad.	
1437	W.R. Storm Pet	1	al			
1521	" " "	1	al			
1713	W-R Storm Pet	1	⊙			
1719	Bulwer's Pet	1	E			
1833					sunset	



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SMITHSONIAN INSTITUTION  
DIVISION OF BIRDS  
AT SEA DAILY LOG -- E

DATE 8 March 1966  
Pg. #     



Noon Position: 1-14 S; 167-02 W

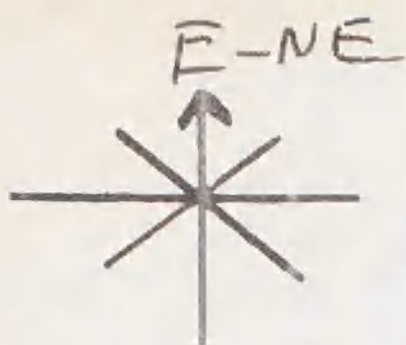
time	species	#	dir.	hgt.	remarks	loc.
0618					Sunrise	
0705	W-R Storm Pet	1	⊙			
0710	Sooty Tern	1	SW		Ad	
0735	W-R Storm Pet	1	⊙			
0737	" " "	1	⊙			
0822	shear-pet	1	SW			
0925	storm Petrel?	1			sighting as a whole questionable. Could have been a Flying Fish.	
SFC B- 1025	Sooty Tern	42			Searching flock	1 coll. RSC, Banded Cuckery 65-
1025	" "	2	E	ad's		
1057	" "	2	S	ad's		
1143	W-R Storm Pet	1	⊙			
1230					closed observations to become "shell back" after crossing equator five previous times. "Father, forgive them, for they do not know what they do." "Like Hell we don't"	
1330					Begin observations "Ho Nobby" I've seen rougher initiations for the Brownies	
1409	Bulwer's Pet	1	⊙			
1524	W.R. Storm Pet	1			sitting on water	
1536	Wedgetail Shear	1	W		light phase	
1610	W.R. Storm Pet	1	cell			
1615	BFB	2	N		Ad,	
1720	AFB	1	N		Ad-dark.	
1726	W.R. Storm Pet	1	cell			
1728	BFB	1	⊙		Ad,	
1751	White Throated Storm Petrel	1	cell			
1806					Has Hawk headed S	
1810	W. Rumped Storm Pet	1	cell			
1818	Sunset				End Observations	



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SMITHSONIAN INSTITUTION  
DIVISION OF BIRDS  
AT SEA DAILY LOG -- E

DATE 9 March 1966  
Pg. # 1



Noon Position: 0-015; 163-38 W

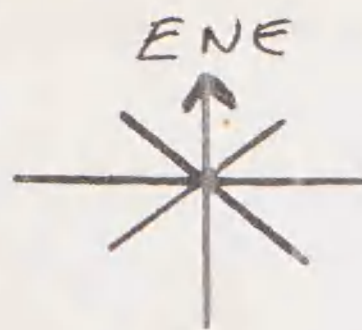
time	species	#	dir.	hgt.	remarks	loc.
0605					Sunrise - Begin observations	
0632					porpoise (ca. 3) jumping.	
0635	BFB	1	ad		ad.	
0636	Frigate sp.	1	E			
0647	Sooty Tern	4	N		ad's.	
0704	" "	1	NE		ad.	
0718	WR Storm Petrel	1	NW		narrow white rump patch - prob. Leach's.	
0740	WT Shear	1	NE		Light phase.	
0800	Sooty Tern	3	S		adults.	
0801	BFB	1	E		adults.	
0814	" "	1	⊙		ad.	
0932	Bird	1	NE		seen by Captain	
0952	Sooty Tern	1	⊙		ad.	
1012	R-S Booby	1	N		Ad DK Phase	
1025	W-R Storm Pet.	1	⊙			
1042	" "	1	N			
1053	shearwater	1	N		Rapid wing beat, solid gray over entire body. Reminded me of a Fulmar but wrong wing color	
1104	Leach's Storm Pet.	1			(MCT) molting	
1117	W-R Storm Pet.	1	N			
1148	Sooty Tern	1	W		ad.	
1218	W-R Storm Pet	1	NE		very broad white - rump.	
1312	W-R " "	1	NE		" " " "	
1314	RFB	1	SW		Imm New following ship	
1318	W-R Storm Pet	4	NE		Very broad white rump - feeding	
1333	" " " "	2	⊙		sitting on H <sub>2</sub> O	
1426	Wedgetail	1	W		Light	
1435	W-R Storm Pet	1	E			
1445	" " " "	1	⊙			
1446	W-R Storm Pet	1			sitting on H <sub>2</sub> O	
1446	" " " "	1	E			
1455	Petrel	1	W		Phoenix-tathitian	
1455	W-R Storm Pet	1	W			
1456	Leach's " "	1	W		1 shot by Husted	
1543	W-R Storm Pet	1	W			
1544	W-R Storm Pet	1			sitting	
1555	W-R Storm Pet	1	W			



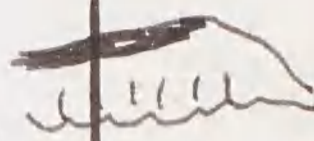
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SMITHSONIAN INSTITUTION  
DIVISION OF BIRDS  
AT SEA DAILY LOG -- E

DATE 9 March 1966  
Pg. # 2

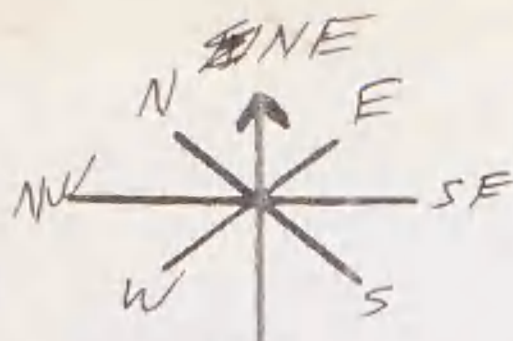


Noon Position: 0-015; 163-38 W

time	species	#	dir.	hgt.	remarks	loc.
1620	Shear/Pet	1	N		size of wedgetail, light under head and belly, dark on front edge of wings,  possibly dark stripe across <del>wake</del> upper breast	
1627	B-F Booby	3	S		travelling adults	
1703	RF Booby	1	E		ad - dark phase	
C 1710	RFB	1			collected by J. Lewis	
FF 1711	Sooty Terns	14			adults immature	
	Frigates	3				
C 1713	RTTB	1			shot by Smith - pink phase	
1717	Bird sp.?	1	W			
1719	Sooty Tern	1	NE			
1726	RFB	1			immature following ship	
1730	Sooty Tern	1			Ad	
FF 1732	Sooty Tern	7			Adult associated w food fish	
1737	Sooty Tern	2	90			
1742	Frigatebird	1	0		joined 1732 flock chasing	
1807					Sunset	



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SMITHSONIAN INSTITUTION  
DIVISION OF BIRDS  
AT SEA DAILY LOG -- E

Noon Position: 1-11 N; 160-24 W

5111

DATE 10 March 1966  
Pg. # 1

time	species	#	dir.	hgt.	remarks	loc.
0657					SURPRISE, BEGIN OBSERVATIONS	
0703	Storm Pet. sp.	1	NE			
0706	Leach's type	1	SE		white rump	
0707	Sooty Tern	1	W		ad. - traveling	
0708	" "	2	SW		ad. traveling	
0717	Leach's Type	1	SE		white rump	
0720	Sooty	2	SW			
C 0721	Leach's	4			1 coll (BAH)	
0721	Sooty Tern	2	SW		ad traveling	There are 2 NATURAL SLICKS NEARBY
C 0726	Leach's	2	SE		1 coll (BAH)	
0728	BFB	2	NW		adults	
0735	Sooty Tern	4	W		ad. travelling	
0737	" "	1	W		ad "	
0737	Bird	1				
0740	Leach's type	1	S		white rump	
C 0745	RTTB	1			coll (BAH)	PINK
0808	sooty tern	2	E		ad's.	
0821	Bulwer's Petrel	1	E			
0832	Sooty tern	4	E		ad's.	
C 0836	RFB	1			dark phase coll. RSC.	
C 0850	RTTB	1			ad coll RSC on deck.	
0851	" "	1	E			
0912	WR Storm Pet	1	NE			
0928	" " "	1	E			
CC 0935	Sooty Tern	4			2 coll RSC ad's	
0938	" "	3	SE		ad's.	
0945	" "	1	SE		ad.	
1000					large school of tuna ca 1500-2000 fish large 72 ft	
1003	WR Storm Petrel	1	E			
1022	" " "	1	SE			
1055	Sooty Tern	3	E			
1120	W.R. Storm Pet	1	N			
1130	WR Storm Pet	1	N			
1140	Blk Noddy	1	N			
1206	W-R Storm Pet	1	E			
1221	Bird sp.?	1				
1223	Sooty Tern	1			adult	
1247	Sooty Tern	2			adults	
1251	Wedge-tail	1	N		dark phase	
1251	Petrel	1	N		Phoenix-tahitian	
1300	Storm Pet	2	E			
1310	W-R Storm Pet	1				
1311	" " "	1	E			
1325	Sooty Tern	1	SW			



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 SMITHSONIAN INSTITUTION  
 DIVISION OF BIRDS  
 AT SEA DAILY LOG -- E


Noon Position = 1-11 N; 160-24 W

DATE 10 March 1966

Pg. # 2

	time	species	#	dir.	hgt.	remarks	loc.
	1334	W-R Storm Pet	1	W			
	1335	Sooty Tern	3	W		adults	
	1341	W-R Storm Pet	1	E			
	1346	Sooty Terns	2	N		adults	
	1409	W.R. Storm Pet	1	⊙		Feeding along natural slick	
C	1410	Leach's Pet	1	⊙		" " " " (MCT)	
	1412	Sooty Tern	2	⊙			
	1415	"	5	N		Ad.	
	1425	W.R. Storm Pet.	1	SE			
	1448	" "	1	⊙			
	1459	Sooty Tern	3	⊙		Ad.	
	1515	Bird	1	SE			
	1520	W.R. Storm Pet.	2	⊙			
	1523	" " "	1	circ			
	1534	Blue-f. Booby	1	NE		Ad.	
	1545	R.f. Booby	1	NE		Ad. PK Phase	
		Sooty Tern	3	S		Ad.	
	1550	"	2	⊙		Ad.	
	1600	Wedge-tail S	1	S		DK Phase	
TF	1605	sooty tern	10			seen off rain squall	
C	1606	<del>W.R. Petrel</del> Harcourt's Petrel	1			coll. MCT	
	1608	W.R. Petrel	1				
	1633	Sooty Tern	2	⊙		Adult feeding	
	1637	W.R. Storm Pet	1	⊙			
	1647	sooty tern	2	⊙		Adult feeding	
	1650	BTT B	1			Following Ship	
TF	1655	Frigatebird sp.	1	⊙		chasing Sooties	
		Sooty Tern	6	⊙		Ad.	
	1657	"	1	⊙		Ad.	
		Red S. Booby	1	S		White Phase Adult	
	1700	Sooty Tern	1	S		ad	
C	1730	Lesser Frigate	1			Male, Adult collected - Smith following ship	
	1744	W.R. Storm Pet	2	⊙			
FF	1748	Sooty Tern	6	⊙		Adult	
		Frigate sp	1			chasing terns	
	1749	Frigate sp	1			joins above flock	
FF	1810	Sooty Tern	35 ± 2			Ad 1 collected Smith	
		RFB	2			Ad Dark	
		Frigate (Lesser)	1			1 Light - 1 Dark	
		Wedge Tail	1				



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SMITHSONIAN INSTITUTION  
DIVISION OF BIRDS  
AT SEA DAILY LOG -- E



Noon Position: 1-11 N; 160-24 W

DATE 10 March 1966  
Pg. # 3

time	species	#	dir.	hgt.	remarks	loc.
1843	Sooty Tern	3	E		Adult	
1851					Sunset close observations	



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SMITHSONIAN INSTITUTION  
DIVISION OF BIRDS  
AT SEA DAILY LOG -- E



Noon Position: 3-28N; 157-38W

DATE 15 March 1966  
Pg. # 1

time	species	#	dir.	hgt.	remarks	loc.
0636					Sunrise begin observations	
0705	Wh. Storm Pet	1				
0714	Sooty Tern	1	NE		Adult	
0722	"	1	NW		Adult	
0727	"	3	N		Adults - strung out (not in distinct flock)	
0734	"	6	N		" " "	
0736	Sooty Tern	6	S		Adults	
0740	Sooty Tern	4	NW		Adults	
0741	Red footed Booby	2	N		imm	
0743	Sooty Tern	3	N		Adults strung out	
0744	Sooty Tern	3	N		Adults	
0745	Wedgetail Sh.	2	N		dark phase	
0745	Sooty Tern	4	N		Adults - strung out	
0750	wedgetail	1	N		Dark phase	
0753	" "	3	N		" "	
0754	Phoenix Is	2	N			
0748	Sooty Tern	3	N		Ad	
0749	RFB	2	N			
TF 0801	Sooty tern	16	E			
	Fairy tern	1				
FF 0807	Sooty tern	175				
	Fairy tern	7				
	RFB	13				
0808	C.N. Tern	4	NW			
0810	Sooty Tern	75			Not a flock, scattered over 360° area, Generally heading N.	
TF 0811	" "	12	NW		mostly ad.	
0815	Wedgetail	2	N		Travelling, all ad.	
0817	Sooty Tern	7	N		dark.	
TF 0818	C.N. Tern	5	SE		Travelling Ad.	
0819	Wedgetail	1	NW		dark.	
TF 0821	Sooty Tern	21	NE		Travelling	
	Wedgetail	3			Dark	
0831	C.I. Shear	2	SW			
0832	R.F. Booby	1	NE		Ad look.	
0833	Wedgetail	1	NW		dark.	
0835	P.I. Petrel	1	W			
0841	Sooty Tern	4	N		Ad.	
0847	" "	3	N		Ad.	

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SMITHSONIAN INSTITUTION  
DIVISION OF BIRDS  
AT SEA DAILY LOG -- E



Noon Position: 8-28N; 157-38W

DATE 15 Mar 1965  
Pg. # 2

time	species	#	dir.	hgt.	remarks	loc.
0851	Wedgetail	4	N		dark.	
0853	Fairy Tern	1				
0855	Phoenix Is. Pet	1	N			
0856	Wedgetail	3	N		dark	
0858	Sooty Tern	1	S		Ad.	
0902	Wedgetail	2	NW		dark.	
0904	P.I. Petrel	1	SW			
0905	Wedgetail	1	N		dark.	
0908	C.I. Shear	2	NW			
0909	Wedgetail	2	N		dark.	
0910	RTTB	1	SW			
0911	Wedgetail	1	SW		dark.	
0912	P.I. Petrel	2	N			
0913	RFB	1	SW		Ad. dark.	
0915	Wedgetail	1	N		dark.	
0911	P.I. Petrel	1	NW			
0921	Sooty Tern	1	S		Ad.	
0923	Wedgetail	1	NW		dark.	
0925	"	3	N		"	
0925	"	2	N		"	
0930	P.I. Petrel	1	S			
0932	Sooty Tern	1	S		Ad.	
0934	" "	2	SW		Imm. ad	
0937	Wedgetail	1	N		dark.	
0943	"	2	NW		"	
0945	Sooty Tern	2	S		ad	
0947	Wedgetail	1	N		dark	
0951	Sooty Tern	1	SW		Imm. ad	
	Fairy Tern	5	SE		Travelling	
	Wedgetail	3	SE		dark	
0954	P.I. Petrel	1	SW			
1008	wedgetail	3	NW		dark	
1009	"	2	"		"	
1009	"	1	"		"	
1009	"	1	"		"	
1011	"	1	"		"	
1011	"	1	NE		intermediate phase	
1014	"	3	NW		dark	
1015	"	1	N		"	
1015	"	2	N		"	
1015	"	2	N-NW		"	
1016	"	2	N		"	
1016	"	1	"		"	
TF 1017	"	9	"		dark	



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SMITHSONIAN INSTITUTION  
DIVISION OF BIRDS  
AT SEA DAILY LOG -- E

Noon Position: 3-28N; 157-38W

DATE 15 March 1966  
Pg. # 3

time	species	#	dir.	hgt.	remarks	loc.
1020	Wedgetail	4	NW		dark	
1024	"	5	N		dark	
1026	"	3	NW		dark	
1026	"	4	NW		dark	
1028	"	2	NW		"	
1032	"	2	NW		"	
1042	"	4	NW		"	
1045	"	2	"		"	
1047	"	3	"		"	
1054	Sooty Tern	1	SE			
1054	Wedgetail	1	NE		ad.	
1057	"	2	NW		dark	
1100	"	1	NW		"	
1103	Sooty Tern	1	SE		ad.	
1112	Phoenix I. Pet.	1	NE			
1114	Wedgetail	3	NW		dark	
1114	W.R. Storm Pet.	1	NE			
1119	Wedgetail	5	NN		dark	
1120	Kermadec Pet.	1			light phase sitting on the O	
1120	Sooty Tern	1	N		adult!	
1124	"	1	N		"	
1124	R.F. Booby	1	SE		dark phase adult,	
1124	Shear-Pet	1	S			
1128	Sooty Tern	1	S		ad	
1128	Wedgetail	2	NW		dark	
1133	Sooty Tern	1	SE		ad.	
1135	Wedgetail	3	NW		dark	
1140	"	4	"		dark	
1145	Phoenix I. Pet.	1	SE			
1153	Shear-Pet	1	NE		carrying a small (2-3") silver fish in bill for at least 2 min, sat on H <sub>2</sub> O, then took off again, still carrying fish.	
1154	WR-Storm Petrel	1	N			
1155	Wedgetail	3	N		dark	
1156	"	2	N		dark	
1158	"	3	N		dark	
1201	"	3	N		dark	
1205	"	4	NW		"	
1205	"	2	N		"	
1210	"	3	NW		"	
1211	Christmas I.	1	NW		ad's 1 coll. RSC.	
1212	Sooty Tern	4	NE			
1215	WR storm Pet	1			came in over eye marker	
1215	Phoenix Is. Pet	1			" " " "	
1215	Wedgetail	2			" " " " dark.	
1227	"	3	N		dark	
1228	Sooty tern	1	E		ad.	
1234	wedgetail	4	N		dark	
1238	"	1	N		dark	



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SMITHSONIAN INSTITUTION  
DIVISION OF BIRDS  
AT SEA DAILY LOG -- E

Noon Position: 3-28N; 157-34W

DATE 15 March 1966  
Pg.# 4

time	species	#	dir.	hgt.	remarks	loc.
1245	W R Storm Petrel	1	N			
1249	wedgetail	1	N		dark	
1249	"	1	S		"	
1250	Leach's Storm Pet	1			coll. rsc	
1251	Phoenix I. Pet	1				
1252	wedgetail	1	cl		dark	
1252	<del>Leach's Storm Pet</del> Storm Pet	1			over downed bird. call rsc	
1301	wedgetail	4	cl		dark.	
1310	"	1	N		dark.	
1314	"	2	N		"	
1318	Phoenix I. Pet	1	cl		throat <sup>white</sup> seen clearly	
1321	" " "	1	S			
1328	wedgetail	1	S		dark	
1340	PI Petrel	1	E			
1345	sooty tern	1	N		ad.	
1347	wedgetail	1	S		ad. dark	
1352	"	1	S		dark	
1354	"	1	S		dark	
1405	"	1	S		dark	
1406	Sooty Tern	1	S		Ad	
1407	"	1	"		"	
1409	wedge-tail	1	"		dark	
1410	"	2	"		"	
1417	Xmas Is. Shear.	1	"			
	wedgetail	1	"		dark	
1422	"	1	"		"	
1431	"	1	"		"	
1434	"	1	N		"	
	"	1	S		"	
	Phoenix Is.	1	S			
1436	wedgetail	1	S		dark	
1441	"	1	S		"	
1446	"	1	S		"	
1510	"	1	S		"	
1512	sooty Tern	2	S		Ad.	
1514	Phoenix Is.	1	S			
1515	wedgetail	1	S		dark	
1517	"	1	"		"	
1520	W. R. Storm Pet	1	E			
1521	wedgetail	1	S		dark	
1531	"	1	N		white	



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SMITHSONIAN INSTITUTION  
DIVISION OF BIRDS  
AT SEA DAILY LOG -- E

Noon Position: 3-28N; 157-38W

DATE 15 Mar 66  
Pg. # 5

	time	species	#	dir.	hgt.	remarks	loc.
	1533	Phoenix Is.	1	S			
	1558	Sooty Tern	1	S			
	1600	Phoenix Is.	1	S			
	1602	Shear/Pet	2	S			
	1605	xmas Is	2	W			
FF	1608	Sooty Terns	40			Dark	
		wedgetail	4			Ad	
		BFB	1				
		RFB	4				
		Shear/Pet	8				
	1610	wedge tail	1			Dark	
TF	1611	wedgetail	1			Dark	
	1611	sooty Terns	8	SW		up high	
	1614	wedgetail	2			Dark	
		Blue-gray Noddy	2	N			
	1615	Sooty tern	2	E			
	1618	Bulwers Pet	1	NE			
	1620	wedgetail	3	NE		Dark Phase	
	1621	sooty tern	1	E		Ad	
	1623	Xmas Island	1	⊙			
	1640	RFB	1	S		Ad Dark	
	1640	wedgetail	1	S		Dark	
	1643	Shear/Pet	1	N			
FF	1648	Sooty tern	30			Dark	
		wedge tail	8			Ad Dark	
		RFB	3				
TF	1714	wedge tail	7	SE		Dark	
		sooty tern	1			Ad	
	1716	w-R Storm Pel	1	W			
	1720	w-R Storm Pel	1	E			
	1721	wedgetail	1	E		Dark	
	1723	" "	1	E		"	
	1724	Bulwers Pet	2	NE			
	1728	Sooty tern	4	W		Ad	
	1730	sooty/stb Shear	1	N			
	1731	w-R Storm Pel	1	?			
	1732	sooty Tern	1	SW		Ad	
	1734	xmas Island	1	N			
TF	1736	Sooty Tern	14	S		Ad	
FF	1738	" "	10			SA	
		RFB	1			Dark	
		wedgetail	2				



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SMITHSONIAN INSTITUTION  
DIVISION OF BIRDS  
AT SEA DAILY LOG -- E

Noon Position - 3-28N; 157-38W

DATE 15 March 65  
Pg. # 6

	time	species	#	dir.	hgt.	remarks	loc.
C	1750	Wedgetail	100 <sup>±10</sup>			all dark except 2 intermediate	
FF		Sooty Tern	200 <sup>±50</sup>			all adult, 1 coll (Lewis)	
		RF Booby	15			All dark except 3 Northern	
		Frigate sp.	1				
		Fairy Tern	3				
		Blue-gray Nod.	2				
		X-mas I	2				
		Pak-foot Shear	1				
C	1800	Leach's Petrel	1			coll. RSC	
	1805	sooty tern	1	W		Ad	
	1807	wedge-tail	1	E		Int.	
	1808	Sooty Tern	1	S		Ad	
	1814	" "	1	E		Ad edge of squall	
	1820	W-B Storm Pet	1	S		In squall	
	1822	wedge-tail	4	NE		In squall All Dark	
TF	1828	sooty terns	20	NE		Adults	
		wedge-tail	17			In squall	
		Phoenix Is	4			All Dark	
		Booby sp	1				
	1835	wedgetail	4	NE		Dark In squall	
	1840	sooty tern	1	@		In squall Adult	
	1841	wedge-tail	3	NE		Dark - In squall	
	1843					Sunset	
						cease observation	



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SMITHSONIAN INSTITUTION  
DIVISION OF BIRDS  
AT SEA DAILY LOG -- E



Noon Position: 7-28 N; 157-30 W

DATE 16 March 1966  
Pg. #           

time	species	#	dir.	hgt.	remarks	loc.
0637					Sunrise - begin observations	
0640	Sooty Tern	1			imm	
0640	Wedgetail	1	☉		light phase	
0643	Sooty Tern	1	☉		ad.	
0650	Pterodroma sp.	1	NW		small.	
0654	Phoenix I. Pet	1	☉			
0713	Wedgetail	1	NW		dark	
0723	"	1	"		"	
0723	W. R. Storm Pet	1	NW			
0725	Wedgetail	1	NW		dark	
0728	"	1	"		light	
FF 0735	Sooty Tern	150 <sup>±25</sup>	☉		about 10% dark, rest light either Phoenix I/Tahiti or Kermadec.	
	Wedgetail	200 <sup>±50</sup>				
	Petrel sp	2				
0803	Frigate sp	1	☉			
0815	Wedgetail	1	☉		darkie	
0830	Wedgetail	1	☉		"	
0851	Phoenix I/Tahiti	1	☉			
FF 0904	Sooty Tern	40 <sup>±5</sup>	☉		3 dark, 1 light probably Phoenix Is. or similar species	
	Wedgetail	4				
	Petrel sp	2				
0912	Wedgetail	1	☉		light phase	
0943	"	4	☉		dark phase	
1005	Wedgetail	1	SW		dark.	
1024	"	1	NE		"	
1100	"	4			sitting on H <sub>2</sub> O - Dark	
TF 1105	Sooty Tern	17	NE	}	Ad	
	Wedgetail	3			Travelling	
1137	"	2	N		Dark	
1250	P. hypoleuca	1	N		"	
1253	Wedge-tail	3			Dark (on H <sub>2</sub> O)	
1412	W-R Storm Pet	1	☉			
1414	Wedgetail	1	W		dark phase	
1604	Juan F. Petrel	1	W			
1630	" " "	1	SE		molt in primaries.	
1716	X-mas I. Shear	1	NW			
1759	Juan Fern. Pet	1	☉			
1810	Wedgetail	2	N		1 light phase, 1 dark.	
1812	Bulwer's Pet	1	N		did not appear to have white rump, light crown band,	
1832	Storm Petrel	1	N		however.	
1841					Sunset - cease observations.	



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SMITHSONIAN INSTITUTION  
DIVISION OF BIRDS  
AT SEA DAILY LOG — E

SIC 11



Noon Position: 11-37 N; 157-37 W

DATE 17 March 1966  
Pg. # 1

time	species	#	dir.	hgt.	remarks	loc.
0636					Sunrise - Begin observations	} Squalls
0645	Wedgetail	1	W		light	
0733	W.R. Storm Pet	1	⊙			
0819	"	1	N			
0915					Rain Squall	
1004	Juan Fernandez	1	⊙			
1104	WTTB	1			ad. following ship.	
TF 1402	Sooty Tern	14	NE		All Ad. (1 coll. TFL)	
1634	Juan Fernandez	1	NW			
1643	" "	1	NNW			
TF 1650	sooty tern Fairy tern	19 1			Traveling, most birds high.	
1840					Sunset - closed observations	



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SMITHSONIAN INSTITUTION  
DIVISION OF BIRDS  
AT SEA DAILY LOG -- E

SIC 11

(18)

DATE 18 March 66  
Pg. # 1

Noon Position: 15-36N; 157-47W

time	species	#	dir.	hgt.	remarks	loc.
0636					Sunrise	
TF 0704	sooty tern	7	SE		Adults	
0757	" "	1	N		Ad	
0801	" "	3	S		ad's	
0812	Fairy Tern	1	E			
0850	Bird	1			small, slightly larger than WR storm petrels, pure white underparts, light gray back. Sat on H <sub>2</sub> O for a minute, then flew off. <i>Phalarope?</i> <i>Sanderling?</i>	
0908	Sooty Tern	3	E		ad's	
0928	WR Storm Pet	1	ce			
0935	Sanderling	1	ce		distinct white bars on wings.	
1043	RTTB	1	ce			
1107	Sooty Tern	3	NW		Ad.	
1236	"	2	SE		Ad.	
1405	Mottled Petrel	1	NW		Travelling.	
1425	Red Phalarope	2	NW		winter plumage	
1505	Sooty Tern	2	NW		adults	
1520	shorebird	1	NW		either a phalarope or sanderling.	
1527	Red Phalarope	1	NW			
1550	Sooty Tern	3	SE		ad	
1555	" "	2	SE		ad	
1605	Red Phalarope	2	NW			
1620	"	1	NW		or similar species	
1645	Sooty Tern	1	SE			
1712	Red Phalarope	1	NW		or sanderling	
1731	Sooty Tern	3	E		Adult	
1840	Sunset				close observations	



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SMITHSONIAN INSTITUTION  
DIVISION OF BIRDS  
AT SEA DAILY LOG -- E

DATE 19 March 1966  
noon Position: 19-57 N; 157-48W Pg. # 1

time	species	#	dir.	hgt.	remarks	loc.
0637					Sunrise - begin observations	
0825	Sooty Tern	1	NW		Ad	
0847	W. R. Storm Pet	1	N		missing several Primaries on Left side	
TF 0855	Fairy Tern	3	SW			
	Sooty Tern	2	SW		Ad	
0935	<del>W. R. Storm Pet</del>	1	N			
0950	Wedge-Tail	1	N		Dark Phase	
1011	Bird	1	E		Probably Common Noddy	
1030	W. R. Storm Pet	1	N			
1048	"	1	N			
1111	"	1	N			
	Sooty Tern	2	E		Ad	
	Common Noddy	2	"			
1124	Pterodroma sp	1	W		Mottled by flight	
	Shearwater/Pet	1	W		either Juan Fernandez or light wedge tail	
1127	Sooty Tern	1	SE		Ad.	
1129	"	2	SE		"	
1134	"	2	SE		"	
1201	Sooty Tern	2	W		Ad.	
1218	C. Noddy Tern	1	N			
1258	Wedgetail	1	NW		light	
1302	Sooty Tern	1				
1310	Bl. F. Albatross	1	000		Following Ship	
1332	Sooty/Slb Shear	1	S			
1348	Porpoise				8	
1358	Fairy Tern	2	NE			
1430	Sooty Tern	1	S		Adult	
1500	Black F. Alb.	1			still following ship	
1600	"				" " "	
1610	Wedgetail	1	NW		light phase	
1625	Pomarine Jaeger	1			Following ship - adult	
1635	Phalarope sp.	2				
1643	Sooty Tern	3	NW		ad	
1702	Wedgetail	1	N		light	
1719	"	1	NW		"	



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SMITHSONIAN INSTITUTION  
DIVISION OF BIRDS  
AT SEA DAILY LOG -- E  
Approx Position: 19-57 N; 157-48 W

SIC 11

DATE 19 March 1966  
Pg. # 2

time	species	#	dir.	hgt.	remarks	loc.
1730					SAME ALBATROSS STILL following ship.	
1835	Wedgetail	1	N		dark	
1840					same albatross following	
1842	BFA/bat	2			one is above, other new.	
1842					Sunset	



DATE 1 MARCH 1966

Time at sunrise = 0656 Position at sunrise = Howland Is.  
Time at sunset = 1905 Position at sunset = 1-20N 177-28W  
Miles traveled from 0000 hours to sunrise = 0 (DEPART HOWLAND 0712)  
Miles traveled from sunrise to sunset = 118-0  
Miles traveled from sunset to 2400 hours = 44-0

	TIME OF FIX	TYPE OF FIX	LONGITUDE	LATITUDE
1.	1300	CELESTIAL	177-39W	0-54N
2.	2000	"	177-20W	1-23N
3.				
4.				
5.				
6.				

DATE 2 MARCH 1966

Time at sunrise = 0655 Position at sunrise = 1-49N 176-20W  
Time at sunset = 1905 Position at sunset = 0-29N 177-31W  
Miles traveled from 0000 hours to sunrise = 66-0  
Miles traveled from sunrise to sunset = 124-0  
Miles traveled from sunset to 2400 hours = 50-0

	TIME OF FIX	TYPE OF FIX	LONGITUDE	LATITUDE
1.	0700	CELESTIAL	176-19W	1-48N
2.	1000	"	176-34W	1-26N
3.	2000	"	177-39W	0-22N
4.				
5.				
6.				



DATE 3 MARCH 1966

Time at sunrise = 0658 Position at sunrise = 0-16 $\frac{1}{2}$  177-26W  
Time at sunset = 1900 Position at sunset = 0-12N 176-11W  
Miles traveled from 0000 hours to sunrise = 64-0 mi  
Miles traveled from sunrise to sunset = 93-0  
Miles traveled from sunset to 2400 hours = 25-0

	TIME OF FIX	TYPE OF FIX	LONGITUDE	LATITUDE
1.	0700	CELESTIAL	177-26W	0-16 $\frac{1}{2}$
2.	1000	"	177-09W	0-00-
3.	1600	VISUAL	176-38W	0-08N
4.	2200	CELESTIAL	175-54W	0-13N
5.				
6.				

DATE 4 MARCH 1966

Time at sunrise = 0654 Position at sunrise = 0-13 $\frac{1}{2}$  176-23W  
Time at sunset = 1902 Position at sunset = 1-07 $\frac{1}{2}$  176-29W  
Miles traveled from 0000 hours to sunrise = 31-0  
Miles traveled from sunrise to sunset = 107-0  
Miles traveled from sunset to 2400 hours = 13-0

	TIME OF FIX	TYPE OF FIX	LONGITUDE	LATITUDE
1.	0645	CELESTIAL	176-21W	0-12N
2.	1000	"	176-47W	0-37 $\frac{1}{2}$
3.	1900	"	176-29W	1-07 $\frac{1}{2}$
4.				
5.				
6.				



DATE 5 MARCH 1966

Time at sunrise = 0654 Position at sunrise = 1-03 S, 176-27 W  
Time at sunset = 1956 Position at sunset = 0-00° 175-12 W  
Miles traveled from 0000 hours to sunrise = 35-0  
Miles traveled from sunrise to sunset = 97-0  
Miles traveled from sunset to 2400 hours = 48

	TIME OF FIX	TYPE OF FIX	LONGITUDE	LATITUDE
1.	0700	CELESTIAL	176-26 W	1-03 S
2.	1000	"	176-06 W	0-50 S
3.	1919	"	175-08 W	0-02 N
4.				
5.				
6.				

DATE \_\_\_\_\_

Time at sunrise = Position at sunrise =  
Time at sunset = Position at sunset =  
Miles traveled from 0000 hours to sunrise =  
Miles traveled from sunrise to sunset =  
Miles traveled from sunset to 2400 hours =

	TIME OF FIX	TYPE OF FIX	LONGITUDE	LATITUDE
1.				
2.				
3.				
4.				
5.				
6.				



DATE 6 MARCH 66

Time at sunrise = 0643 Position at sunrise = 1-03 S 173-44 W  
Time at sunset = 1846 Position at sunset = 2-11 S 172-27 W  
Miles traveled from 0000 hours to sunrise = 62-0  
Miles traveled from sunrise to sunset = 101-0  
Miles traveled from sunset to 2400 hours = 56-0

	TIME OF FIX	TYPE OF FIX	LONGITUDE	LATITUDE
1.	0700	CELESTIAL	173-42 W	1-04 S
2.	1900	"	172-25 W	2-12 S
3.				
4.				
5.				
6.				

DATE 7 MARCH 1966

Time at sunrise = 0632 Position at sunrise = 2-33 S 171-12 W  
Time at sunset = 1833 Position at sunset = 2-01 S 169-31 W  
Miles traveled from 0000 hours to sunrise = 41-0  
Miles traveled from sunrise to sunset = 106-0  
Miles traveled from sunset to 2400 hours = 52-0

	TIME OF FIX	TYPE OF FIX	LONGITUDE	LATITUDE
1.	0400	VIS. & RADAR	171-34 W	2-41 S
2.	0600	CELESTIAL	171-17 W	2-35 S
3.	1900	"	169-27 W	1-59 S
4.				
5.				
6.				



DATE

9 MARCH 1966

Time at sunrise = 0618 Position at sunrise = 1-25 S, 167-49 W

Time at sunset = 1818 Position at sunset = 0-56 S 166-13 W

Miles traveled from 0000 hours to sunrise = 56-0

Miles traveled from sunrise to sunset = 101-0

Miles traveled from sunset to 2400 hours = 53-0

	TIME OF FIX	TYPE OF FIX	LONGITUDE	LATITUDE
1.	0600	CELESTIAL	167-52W	1-26 S
2.	1030	"	167-15W	1-19 S
3.	1900	"	166-07W	0-54 S
4.				
5.				
6.				

DATE

9 MARCH 1966

Time at sunrise = 0605 Position at sunrise = 0-19 S, 164-32 W

Time at sunset = 1805 Position at sunset = 0-19 N, 162-53 W

Miles traveled from 0000 hours to sunrise = 55-0

Miles traveled from sunrise to sunset = 108-0

Miles traveled from sunset to 2400 hours = 53-0

	TIME OF FIX	TYPE OF FIX	LONGITUDE	LATITUDE
1.	0600	CELESTIAL	164-33W	0-20 S
2.	1000	"	163-56W	0-07 S
3.	1900	"	162-45W	0-22 N
4.				
5.				
6.				



DATE 10 MARCH

Time at sunrise = 0651 Position at sunrise = 1-00N, 161-07W  
Time at sunset = 1851 Position at sunset = 1-25N 159-33W  
Miles traveled from 0000 hours to sunrise = 61-0  
Miles traveled from sunrise to sunset = 97-0  
Miles traveled from sunset to 2400 hours = 53-0

	TIME OF FIX	TYPE OF FIX	LONGITUDE	LATITUDE
1.	0700	CELESTIAL	161-06W	1-01N
2.	1030	"	160-38W	1-08N
3.	1900	"	159-32W	1-26N
4.				
5.				
6.				

DATE 11 MAR

Time at sunrise = 0637 Position at sunrise = 1-57N, 157-41W  
Time at sunset = 1843 Position at sunset = CHRISTMAS IS.  
Miles traveled from 0000 hours to sunrise = 66 mi  
Miles traveled from sunrise to sunset = 18-0  
Miles traveled from sunset to 2400 hours = —

	TIME OF FIX	TYPE OF FIX	LONGITUDE	LATITUDE
1.	0642	VIS & RADAR	157-44W,	1-57N
2.				
3.				
4.				
5.				
6.				



DATE 15 MARCH

Time at sunrise = 0636 Position at sunrise = 2-30N 157-36W  
Time at sunset = 1843 Position at sunset = 4-35N 157-32W  
Miles traveled from 0000 hours to sunrise = 37.0 2-29N  
Miles traveled from sunrise to sunset = 134  
Miles traveled from sunset to 2400 hours = 55.0

	TIME OF FIX	TYPE OF FIX	LONGITUDE	LATITUDE
1.	0630	CELESTIAL	157-35W	2-30N
2.	1030	"	157-37W	3-11N
3.	1900	"	157-32W	4-38N
4.				
5.				
6.				

DATE 16 MARCH 1966

Time at sunrise = 0637 Position at sunrise = 6-34N, 157-30W  
Time at sunset = 1841 Position at sunset = 8-36N, 157-31W  
Miles traveled from 0000 hours to sunrise = 63.0  
Miles traveled from sunrise to sunset = 121.0  
Miles traveled from sunset to 2400 hours = 53.0

	TIME OF FIX	TYPE OF FIX	<sup>LAT</sup> <del>LONGITUDE</del>	<sup>λ</sup> <del>LATITUDE</del>
1.	0600	CELESTIAL	6-28N	157-30W
2.	1000	"	7-08N	157-30W
3.	1900	"	8-39N	157-31W
4.				
5.				
6.				



DATE 17 MARCH

Time at sunrise = 0636 Position at sunrise = 10-39 N, 157-33 W  
Time at sunset = 1842 Position at sunset = 12-36 N, 157-39 W  
Miles traveled from 0000 hours to sunrise = 71.0  
Miles traveled from sunrise to sunset = 116.0  
Miles traveled from sunset to 2400 hours = 54.0

	TIME OF FIX	TYPE OF FIX	LONGITUDE	LATITUDE
1.	0600	CELESTIAL	157-33 W	10-33 N
2.	1033	LORAN	157-36 W	11-21 N
3.	1900	LORAN & CELL.	157-39 W	12-39 N
4.				
5.				
6.				

DATE 18 MARCH

Time at sunrise = 0636 Position at sunrise = 14-40 N, 157-49 W  
Time at sunset = 1841 Position at sunset = 16-52 N, 157-47 W  
Miles traveled from 0000 hours to sunrise = 71.0  
Miles traveled from sunrise to sunset = 131.0  
Miles traveled from sunset to 2400 hours = 59.0

	TIME OF FIX	TYPE OF FIX	LONGITUDE	LATITUDE
1.	0600	CELESTIAL	157-48 W	14-34 N
2.	1900	LORAN & CELL.	157-47 W	16-54 N
3.				
4.				
5.				
6.				



DATE 19 MARCH 1966

Time at sunrise = 0637 Position at sunrise = 19-00N, 157-42W

Time at sunset = 1842 Position at sunset = 20-58N, 157-57W

Miles traveled from 0000 hours to sunrise = 70-0

Miles traveled from sunrise to sunset = 120

Miles traveled from sunset to 2400 hours = 21-0

	TIME OF FIX	TYPE OF FIX	LONGITUDE	LATITUDE
1.	0600	CELESTIAL	157-42W,	18-53N
2.	VARIOUS FIXES WHILE APPROACHING			
3.	HONOLULU IN AFTERNOON			
4.	1740	LORAN	157-58W	20-49N
5.				
6.				

DATE \_\_\_\_\_

Time at sunrise = Position at sunrise =

Time at sunset = Position at sunset =

Miles traveled from 0000 hours to sunrise =

Miles traveled from sunrise to sunset =

Miles traveled from sunset to 2400 hours =

	TIME OF FIX	TYPE OF FIX	LONGITUDE	LATITUDE
1.				
2.				
3.				
4.				
5.				
6.				



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SMITHSONIAN INSTITUTION  
DIVISION OF BIRDS  
AT SEA CLIMATOLOGICAL DATA

DATE 2 March 1966

TIME	LAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100	2-08N	177-08W	Partly Cl.	20	1008	82	77	84	6	5	000-6-4	85	10	070	045-9
0200	2-06N	176-54W	" "	20	1009	82	77	84	9	8	000-6-4	85	11	070	045-9
0300	2-12N	176-46W	" "	20	1008	82	77	84	8	8	000-6-4	85	13	060	050-9
0400	2-16N	176-39W	" "	20	1008	82	77	84	7	6	000-6-4	84	13	070	035-9
0500	2-06N	176-32W	" "	20	1008	84	76	76	5	4	010-6-4	84	10	060	135-11
0600	1-57N	176-25W	" "	20	1009	84	76	76	4	3	010-6-4	84	10	050	136-11
0700	1-48N	176-19W	" "	20	1008	84	76	76	4	3	010-6-4	84	10	040	136-11
0800	1-40N	176-20W	" "	20	1010	84	76	76	4	3	010-6-4	85	10	040	226-11
0900	1-33N	176-27W	Squalls	20	1011	83	77	84	8	8	010-6-4	85	10	090	226-11
1000	1-26N	176-34W	w/ Clouds	10	1012	83	77	84	8	8	010-6-4	85	10	090	226-11
1100	1-22N	176-38W	" "	10	1012	83	77	84	8	8	010-5-4	85	10	090	DRIFTING
1200	1-24N	176-40W	" "	10	1012	83	77	84	8	8	010-5-4	85	10	090	
1300	1-20N	176-43W	Cloudy	15	1010	85	74	70	8	8	030-5	85	11	035	220-10
1400	1-09N	176-53W	Partly Cl.	20	1009	85	74	70	6	5	"	85	11	040	220-10
1500	1-03N	177-01W	" "	20	1009	85	74	70	5	3	"	85	11	040	220-11
1600	0-52N	177-09W	" "	20	1008	85	74	70	4	3	"	85	11	040	220-11
1700	0-45N	177-17W	Cloudy	20	1008	84	76	76	8	7	000-5-4	85	11	040	220-11
1800	0-37N	177-24W	" "	20	1009	83	77	84	8	7	000-5-4	85	12	050	220-11
1900	0-29N	177-31W	" "	20	1009	82	77	84	8	7	000-5-4	85	12	050	220-11
2000	0-22N	177-39W	" "	20	1009	82	77	84	8	7	000-5-4	85	10	040	220-11.0
2100	0-14N	177-47W	Occult Rain	20	1010	82	77	84	8	6	010-5-3	85	10	045	220-11.0
2200	0-05N	177-54W	" "	10	1010	82	77	84	8	6	010-5-3	85	10	045	DRIFTING
2300	0-00	177-58W	" "	10	1010	82	77	84	8	6	010-5-3	85	10	045	DRIFTING
2400	0-06S	177-05W	" "	20	1010	82	77	84	8	6	010-5-3	85	10	045	220-11.0

REMARKS:

<sup>TRAY</sup>  
ALL TIMES LOCAL (WHISKEY); WIND DIR. IN WHOLE DEGREES; WIND SPEED IN KNOTS; TEMPERATURES IN FAHRENHEIT; VISIBILITY IN NAUTICAL MILES;  
WAVES IN WHOLE DEGREES; WAVE PERIOD IN SECONDS; WAVE HEIGHT IN WHOLE FEET; SEA LEVEL PRESSURE IN MILLIBARS



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SMITHSONIAN INSTITUTION  
DIVISION OF BIRDS  
AT SEA CLIMATOLOGICAL DATA

DATE 5 March 1966

TIME	LAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100	1-05.5	176-44 W	Partly cloudy	20	1009	83	76	80	2	0	6-20 S	84	9	070	Drifting
0200	1-05.5	176-46 W	" "	20	1009	83	76	80	1	0	"	84	7	060	"
0300	1-05.5	176-48 W	" "	20	1008	83	76	80	1	0	"	84	7	060	"
0400	1-04.5	176-51 W	" "	20	1007	83	76	80	1	0	"	84	7	060	"
0500	1-04 S	176-45 W	" "	20	1007	84	74	73	2	2	070-5-3	84	9	050	090-9.5
0600	1-03 S	176-36 W	" "	20	1007	84	74	73	2	2	070-5-3	84	9	050	090-9.5
0700	1-03 S	176-26 W	" "	20	1007	84	74	73	2	2	070-5-3	84	9	045	090-9.5
0800	0-57 S	176-19 W	" "	20	1008	84	74	73	2	2	070-5-3	84	9	045	057-9.5
0900	0-54 S	176-12 W	Few Clouds	20	1009	85	74	73	3	3	020-5-3	84	10	020	057-8.5
1000	0-50 S	176-06 W	" "	20	1009	85	74	73	3	3	020-5-3	84	10	020	057-8.5
1100	0-44 S	176-00 W	" "	20	1009	85	74	73	3	3	020-5-3	84	10	020	055-8.5
1200	0-38 S	175-54 W	" "	20	1009	85	74	73	3	3	020-5-3	84	10	020	055-8.5
1300	0-32 S	175-47 W	" "	20	1008	85	74	73	1	0	000-10-5	84	12	020	055-8.5
1400	0-28 S	175-42 W	" "	20	1007	85	74	73	1	0	000-10-5	84	11	020	055-8.5
1500	0-23 S	175-36 W	" "	20	1006	85	74	73	2	0	000-10-5	84	11	020	055-8.5
1600	0-17 S	175-30 W	" "	20	1006	85	74	73	3	1	000-10-5	84	11	020	055-8.5
1700	0-10 S	175-23 W	" "	20	1006	85	74	73	2	1	020-7-4	84	10	010	055-8.5
1800	0-05 S	175-16 W	" "	20	1006	84	76	76	2	1	020-7-4	84	10	010	055-8.5
1900	0-02 N	175-10 W	" "	20	1007	84	76	76	2	1	020-7-4	84	10	010	121-9.0
2000	0-03 S	175-04 W	" "	20	1007	84	76	76	2	1	020-7-4	84	10	010	121-9.0
2100	0-08 S	174-59 W	" "	20	1008	84	76	76	2	1	020-6-3	84	10	010	121-9.5
2200	0-14 S	174-47 W	" "	20	1009	84	76	76	2	1	020-6-3	84	10	010	121-9.5
2300	0-19 S	174-39 W	" "	20	1009	84	76	76	2	1	020-6-3	84	10	010	125-9.5
2400	0-25 S	174-32 W	" "	20	1009	84	76	76	2	1	020-6-3	84	10	010	125-9.5

REMARKS:

ALL TIMES LOCAL (WHISKEY); WIND DIR. IN WHOLE DEGREES; WIND SPEED IN KNOTS; TEMPERATURES IN FAHRENHEIT; VISIBILITY IN NAUTICAL MILES;  
WAVES IN WHOLE DEGREES; WAVE PERIOD IN SECONDS; WAVE HEIGHT IN WHOLE FEET; SEA LEVEL PRESSURE IN MILLIBARS



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SMITHSONIAN INSTITUTION  
DIVISION OF BIRDS  
AT SEA CLIMATOLOGICAL DATA

DATE 6 March 1966

TIME	LAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100	0-30S	174-29W	Few clds	20	1008	83	76	80	1	0	020-65	<del>84</del>	3	040	125 9.5
0200	0-35S	174-20W	" "	20	1008	83	76	80	5	2	020-65	84	5	040	125 9.5
0300	0-41S	174-18W	" "	20	1007	83	76	80	5	2	020-64	84	5	040	125 9.5
0400	0-47S	174-06W	" "	20	1006	83	76	80	6	3	020-64	84	6	040	125 9.5
0500	0-52S	173-57W	" "	20	1006	84	76	76	4	3	030-8-4	84	9	060	125 9.5
0600	0-58S	173-49W	CLOUDY	20	1007	84	76	76	4	3	030-8-4	84	11	060	125-9.5
0700	1-04S	173-42W	PART CLOUDY	20	1008	84	76	76	3	2	030-8-4	84	11	060	128-9.5
0800	1-11S	173-34W	" "	20	1008	84	76	76	3	2	030-8-4	84	11	060	128-9.5
0900	1-18S	173-28W	Few Cls	20	1009	84	76	76	3	2	070-6-7	84	10	070	128 9.5
1000	1-25S	173-21W	" "	20	1009	84	76	76	3	2	020-6-3	84	10	070	128 9.5
1100	1-33S	173-13W	" "	20	1009	80	77	91	3	2	020-6-3	84	10	070	125 9.5
1200	1-39S	173-06W	" "	20	1009	80	77	91	3	2	020-6-3	84	10	070	128 9.5
1300	1-43S	173-02W	PLy Cldy	20	1008	84	77	80	5	4	070-6-3	84	9	060	125 9.5
1400	1-45S	172-59W	" "	20	1007	84	77	80	5	3	070-6-3	84	11	060	125 9.5
1500	1-51S	172-52W	" "	20	1008	84	77	80	3	1	050-6-4	84	11	070	125 10
1600	1-58S	172-45W	" "	20	1007	84	77	80	2	1	050-6-4	84	6	120	125 10
1700	2-02S	172-38W	" "	20	1007	84	77	80	3	2	045-6-4	84	10	075	125-10
1800	2-06S	172-33W	" "	20	1007	84	77	80	4	3	045-6-4	84	10	075	125-10.5
1900	2-12S	172-25W	" "	20	1008	84	77	80	4	3	045-6-4	84	10	075	125-10.5
2000	2-19S	172-16W	" "	20	1008	84	77	80	3	2	045-6-4	85	10	075	125-10.5
2100															
2200															
2300															
2400															

REMARKS:

ALL TIMES LOCAL (<sup>XRAY</sup>WHISKEY); WIND DIR. IN WHOLE DEGREES; WIND SPEED IN KNOTS; TEMPERATURES IN FAHRENHEIT; VISIBILITY IN NAUTICAL MILES;  
WAVES IN WHOLE DEGREES; WAVE PERIOD IN SECONDS; WAVE HEIGHT IN WHOLE FEET; SEA LEVEL PRESSURE IN MILLIBARS



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Rev. 4-9-64

SMITHSONIAN INSTITUTION  
DIVISION OF BIRDS  
AT SEA CLIMATOLOGICAL DATA

DATE 7 March 1966

TIME	LAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100			<b>CANTON</b>		<b>ISLAND</b>										
0200															
0300	2-44 S	171-42 W	Fine cld	20	1008	84	77	80	1	0	Conf	84	5	120	072 9.5
0400	2-42 S	171-34 W	" "	20	1008	84	77	80	1	0	250-5-3	84	5	120	072 9
0500	2-37 S	171-25 W	" "	20	1008	84	77	80	3	2	060-6-4	85	10	090	072-9
0600	2-35 S	171-17 W	" "	20	1009	84	73	74	3	2	060-6-4	85	13	090	075-9
0700	2-32 S	171-08 W	" "	20	1009	85	73	74	3	2	060-6-4	85	12	090	075-9
0800	2-29 S	170-59 W	" "	20	1009	85	73	74	3	2	060-6-4	86	11	090	075-9
0900	2-27 S	170-50 W	PARTLY CLD.	20	1010	86	78	77	5	4	060-6-4	86	14	110	075-9.5
1000	2-24 S	170-43 W	" "	20	1010	86	78	77	5	4	060-6-4	86	14	110	075-9.5
1100	2-22 S	170-35 W	" "	20	1010	86	78	77	5	4	060-6-4	86	14	110	075-9.5
1200	2-19 S	170-26 W	" "	20	1010	86	78	77	5	4	060-6-4	86	14	110	075-9.5
1300	2-16 S	170-17 W	" "	20	1009	88	77	77	3	1	060-6-4	85	13	110	075-9.5
1400	2-14 S	170-10 W	" "	20	1008	88	77	77	3	1	060-6-4	85	13	110	075-9.5
1500	2-11 S	170-03 W	" "	20	1008	86	76	73	2	0	060-6-4	85	11	110	075-9.5
1600	2-08 S	169-54 W	" "	20	1007	86	76	73	2	0	060-6-4	85	11	110	075-9.5
1700	2-06 S	169-44 W	" "	20	1007	85	77	77	3	2	060-6-4	85	12	100	075-9
1800	2-03 S	169-36 W	" "	20	1007	85	77	77	4	3	060-6-4	85	12	100	075-9
1900	1-59 S	169-27 W	" "	20	1007	85	77	77	4	3	060-6-4	85	12	110	075-9
2000	1-57 S	169-19 W	" "	20	1008	85	77	77	4	3	060-6-4	85	12	110	075-9
2100	1-54 S	169-10 W	" "	20	1009	84	77	80	4	2	070-6-4	85	12	110	075-9.5
2200	1-51 S	169-02 W	" "	20	1009	84	77	80	4	2	070-6-4	85	12	110	075-9.5
2300	1-48 S	168-51 W	" "	20	1010	84	77	80	4	2	070-6-4	85	12	110	075-9.5
2400	1-45 S	168-41 W	" "	20	1010	84	77	80	4	2	070-6-4	85	12	110	075 9.5

REMARKS:

ALL TIMES LOCAL (WHISKEY); WIND DIR. IN WHOLE DEGREES; WIND SPEED IN KNOTS; TEMPERATURES IN FAHRENHEIT; VISIBILITY IN NAUTICAL MILES;  
WAVES IN WHOLE DEGREES; WAVE PERIOD IN SECONDS; WAVE HEIGHT IN WHOLE FEET; SEA LEVEL PRESSURE IN MILLIBARS



DATE 8 March 1966 AD.

TIME	LAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUMID %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100	1-43 S	168-33 W	Cloudy	20	1009	84	76	76	9	3	070-6-4	85	13	090	075-9.5
0200	1-39 S	168-24 W	"	20	1008	84	76	76	9	5	070-6-4	85	12	090	075-9.5
0300	1-36 S	168-14 W	"	20	1008	84	77	80	7	5	070-6-4	85	13	110	075-9.5
0400	1-33 S	168-05 W	"	20	1009	84	77	80	6	5	075-5-4	84	14	080	075-9
0500	1-29 S	168-01 W	"	20	1009	84	77	80	6	4	075-5-4	84	16	075	075-9
0600	1-26 S	167-52 W	"	20	1009	84	74	73	6	4	075-5-4	84	16	075	075-9
0700	1-23 S	167-44 W	"	20	1009	84	74	73	6	4	075-5-4	84	16	075	077-9
0800	1-20 S	167-35 W	"	20	1010	84	74	73	6	4	075-5-4	84	16	075	077-9
0900	1-18 S	167-26 W	Few lds	20	1010	85	76	73	1	1	070-5-5	84	15	090	077-9
1000	1-14 S	167-16 W	"	20	1010	86	76	73	1	1	070-5-5	84	15	090	077-9
1100	1-12 S	167-01 W	"	20	1010	86	76	73	1	1	070-5-5	84	15	090	075-9
1200	1-14 S	167-02 W	"	20	1010	86	76	73	1	1	070-5-5	84	15	090	079-9
1300	1-12 S	166-53 W	"	20	1008	86	76	70	3	1	070-5-5	84	15	080	075-9
1400	1-10 S	166-46 W	"	20	1008	86	76	70	2	1	060-5-5	84	16	080	075-9
1500	1-07 S	166-37 W	"	20	1007	86	74	70	1	0	060-5-5	84	16	090	075-9
1600	1-05 S	166-29 W	"	20	1006	86	72	70	1	0	060-5-5	84	16	090	075-9
1700	1-00 S	166-24 W	"	20	1006	85	76	73	1	0	075-5-5	84	12	075	075-9
1800	0-57 S	166-16 W	"	20	1007	84	74	73	1	0	075-5-5	84	14	075	075-9
1900	0-54 S	166-07 W	"	20	1007	84	74	73	1	0	075-5-5	84	14	075	075-9
2000	0-51 S	165-58 W	"	20	1008	84	74	73	1	0	075-5-5	84	14	075	075-9
2100	0-49 S	165-50 W	"	20	1007	83	74	73	1	1	075-5-5	84	15	075	075-9.0
2200	0-46 S	165-41 W	"	20	1010	83	74	73	1	1	075-5-5	84	15	075	075-9.0
2300	0-43 S	165-32 W	"	20	1010	83	74	73	1	1	075-5-5	84	15	075	075-9.0
2400	0-40 S	165-22 W	"	20	1010	83	74	73	1	1	075-5-5	84	15	075	075-9.0

REMARKS:

*XRAY*

ALL TIMES LOCAL (WHISKEY); WIND DIR. IN WHOLE DEGREES; WIND SPEED IN KNOTS; TEMPERATURES IN FAHRENHEIT; VISIBILITY IN NAUTICAL MILES; WAVES IN WHOLE DEGREES; WAVE PERIOD IN SECONDS; WAVE HEIGHT IN WHOLE FEET; SEA LEVEL PRESSURE IN MILLIBARS

SI-MNH-955  
12-5-63



DATE 2 March 1966

TIME	LAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUMID %	TOT SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPO.
0100	0-37 S	165-16 W	Few Cls	20	1009	82	75	80	1	0	050-7-5	84	15	070	075 9
0200	0-35 S	165-08 W	" "	20	1009	82	75	80	2	0	050-7-5	84	15	070	075 9
0300	0-33 S	165-00 W	" "	20	1009	82	75	80	1	0	050-7-5	84	15	070	075 9
0400	0-31 S	164-52 W	" "	20	1009	82	75	80	1	0	050-7-5	83	13	080	075 9
0500	0-23 S	164-41 W	CLEAR	20	1009	83	75	76	0	0	080-5-4	83	11	080	075 9
0600	0-20 S	164-33 W	CLEAR	20	1009	83	75	76	1	0	080-5-4	83	11	080	075 9
0700	0-17 S	164-24 W	CLEAR	20	1010	83	75	76	1	0	080-5-4	83	11	080	075 9
0800	0-13 S	164-16 W	Few clouds	20	1010	84	76	76	1	0	080-5-4	83	11	080	075 9
0900	0-10	164-06 W	"	20	1010	86	76	73	2	1	080-5-4	84	8	080	075 9.5
1000	0-07 S	163-56 W	"	20	1010	86	76	73	2	1	080-5-4	84	8	080	075-9.5
1100	0-04 S	163-47 W	"	20	1010	86	76	73	2	1	080-5-4	84	8	080	075-9.5
1200	0-01 S	163-38 W	"	20	1010	86	76	73	2	1	080-5-4	84	8	080	075-9.5
1300	0-03 N	163-29 W	"	20	1009	86	76	73	1	0	080-5-4	83	11	090	075-9.5
1400	0-05 N	163-21 W	"	20	1008	86	76	73	1	0	080-5-4	83	11	090	075-9.5
1500	0-08 N	163-12 W	"	20	1008	86	76	73	1	0	080-5-4	83	10	090	075 9.5
1600	0-11 N	163-04 W	"	20	1007	86	76	73	1	0	080-5-4	83	9	090	075 9.5
1700	0-15 N	162-54 W	"	20	1008	84	76	76	2	1	090-5-4	83	9	090	075-9.5
1800	0-19 N	162-54 W	"	20	1008	84	76	76	2	1	090-5-4	83	9	090	075-9.5
1900	0-22 N	162-45 W	"	20	1009	83	75	76	2	1	090-5-4	83	9	090	075-9.5
2000	0-25 N	162-36 W	"	20	1009	83	75	76	2	1	090-5-4	83	9	090	075-9.5
2100	0-28 N	162-27 W	PARTLY CL	20	1010	83	75	76	6	5	110-5-4	83	10	110	075-9.5
2200	0-31 N	162-18 W	"	20	1010	83	75	76	6	5	110-5-3	83	10	110	075-9.5
2300	0-34 N	162-09 W	"	20	1010	83	75	76	6	5	110-5-3	83	10	110	075-9.5
2400	0-36 N	162-03 W	"	20	1010	83	75	76	6	5	110-5-3	83	10	110	075-9.5

REMARKS:

ALL TIMES LOCAL (<sup>XRAY</sup>WHISKEY); WIND DIR. IN WHOLE DEGREES; WIND SPEED IN KNOTS; TEMPERATURES IN FAHRENHEIT; VISIBILITY IN NAUTICAL MILES; WAVES IN WHOLE DEGREES; WAVE PERIOD IN SECONDS; WAVE HEIGHT IN WHOLE FEET; SEA LEVEL PRESSURE IN MILLIBARS

SI-MNH-955  
12-5-63



DATE 10 March 1966

TIME	LAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUMID%	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPEED
0100	0-39 N	<del>161-53 W</del>	Clgy 4 way	15	1010	80	77	91	9	9	110-5-3	82	12	110	075-9.5
0200	0-41 N	161-48 W	Partly Clgy	20	1009	82	77	91	7	6	110-5-3	82	10	110	075-9.5
0300	0-44 N	161-39 W	" "	20	1009	83	77	84	9	5	110-5-3	82	8	110	075-9.5
0400	0-47 N	161-31 W	" "	20	1009	82	77	84	5	3	110-5-3	82	8	110	075-9.5
0500	0-55 N	161-21 W	" "	20	1009	82	77	84	5	4	110-5-4	82	7	100	075-9.5
0600	0-57 N	161-14 W	" "	20	1009	83	76	73	4	3	110-5-4	82	7	100	075-9.5
0700	1-01 N	161-06 W	" "	20	1010	83	76	73	4	3	110-5-4	82	7	100	075-9.5
0800	1-04 N	160-57 W	" "	20	1010	83	77	80	5	4	100-5-4	82	7	100	075-9.5
0900	1-06 N	160-48 W	" "	20	1011	85	76	76	7	6	110-5-4	82	8	110	081-9.5
1000	1-08 N	160-40 W	" "	20	1011	85	76	76	7	6	110-5-4	82	8	110	081-9.5
1100	1-09 N	160-33 W	" "	20	1012	85	76	76	7	6	110-5-4	82	8	110	081-9.5
1200	1-11 N	160-24 W	" "	20	1012	85	76	76	7	6	110-5-4	82	8	110	081-9.5
1300	1-13 N	160-15 W	" "	20	1009	86	78	77	6	3	110-5-4	82	8	110	081-9.5
1400	1-16 N	160-07 W	" "	20	1009	86	78	77	7	4	110-5-4	82	9	110	080-9.5
1500	1-18 N	159-58 W	" "	20	1009	86	78	77	8	6	110-5-4	82	7	120	081-9.5
1600	1-20 N	159-49 W	" "	20	1008	86	78	77	8	7	110-5-4	83	7	110	081-9.5
1700	1-23 N	159-44 W	PART CLDY	20	1008	85	76	76	6	5	110-5-4	83	8	090	VARIOUS
1800	1-24 N	159-38 W	" "	20	1009	85	76	76	6	5	110-5-4	83	8	090	VARIOUS
1900	1-26 N	159-32 W	" "	20	1009	84	77	80	7	6	110-5-4	83	8	100	081-9.5
2000	1-28 N	159-23 W	CLDY	20	1010	84	77	80	8	7	110-5-4	83	8	100	081-9.5
2100	1-31 N	159-13 W	FEW CLOUDS	20	1010	84	77	80	1	1	110-5-3	83	6	090	081-9.5
2200	1-34 N	159-04 W	" "	20	1011	84	77	80	1	1	110-5-3	82	6	090	081-9.5
2300	1-36 N	158-55 W	" "	20	1011	84	77	80	1	1	110-5-3	82	6	090	081-9.5
2400	1-39 N	158-46 W	" "	20	1011	84	77	80	1	1	110-5-3	82	6	090	081-9.5

REMARKS:

ALL TIMES LOCAL (WHISKEY); WIND DIR. IN WHOLE DEGREES; WIND SPEED IN KNOTS; TEMPERATURES IN FAHRENHEIT; VISIBILITY IN NAUTICAL MILES; WAVES IN WHOLE DEGREES; WAVE PERIOD IN SECONDS; WAVE HEIGHT IN WHOLE FEET; SEA LEVEL PRESSURE IN MILLIBARS

SI-MNH-955  
12-5-63



DATE 11 March 1966

TIME	LAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUMID/O	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100	1-41N	158-37W	Partly Cldy	20	1010	82	77	84	1	0	110-5-3	82	6	110	081 9.5
0200	1-43N	158-28W	" "	20	1010	82	77	84	2	0	110-5-3	82	5	110	081 9.5
0300	1-46N	158-19W	" "	26	1009	82	77	84	2	0	110-5-3	82	Airs		081 9.5
0400	1-48N	158-10W	" "	28	1009	82	77	84	2	0	115-5-3	83	Airs		081 9.5
0500	1-52N	158-01W	" "	20	1009	82	75	80	4	3	CONF	83	"		081 9.5
0600	1-55N	157-52W	" "	20	1009	82	75	80	5	4	"	83	"		081 9.5
0700	1-57N	157-42W	" "	20	1009	82	75	80	6	5	"	83	"		081 9.5
0800	1-57N	157-33W	" "	20	1010	82	75	80	7	6	"	83	"		VARIOUS
0900															
1000															
1100															
1200		CHRISTMAS IS.													
1300															
1400															
1500															
1600															
1700															
1800															
1900															
2000															
2100															
2200															
2300															
2400															

REMARKS:

ALL TIMES LOCAL (WHISKEY); WIND DIR. IN WHOLE DEGREES; WIND SPEED IN KNOTS; TEMPERATURES IN FAHRENHEIT; VISIBILITY IN NAUTICAL MILES; WAVES IN WHOLE DEGREES; WAVE PERIOD IN SECONDS; WAVE HEIGHT IN WHOLE FEET; SEA LEVEL PRESSURE IN MILLIBARS

SI-MNH-955  
12-5-63



DATE 15 MARCH 1966

TIME	LAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUMID/O	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPEED.
0100															
0200															
0300															
0400															
0500	2-12N	157-33W	PART CLOUDY	20	1007	82	77	84	4	3	CONF	84	10	110	000-11
0600	2-23N	157-34W	" "	20	1007	83	78	84	4	3	CONF	84	10	110	000-11
0700	2-35N	157-36W	" "	20	1008	83	78	84	4	3	040-6-8	84	10	090	000-11
0800	2-46N	157-38W	" "	20	1008	85	76	76	4	4	045-6-8	84	15	100	000-11
0900	2-57N	157-38W	" "	20	1009	84	76	76	5	3	CONF	84	15	100	005-10.5
1000	3-07N	157-38W	" "	20	1009	84	76	76	5	3	"	84	15	100	005-10.5
1100	3-17N	157-38W	" "	20	1009	84	76	76	5	3	"	84	15	100	005-10.5
1200	3-28N	157-38W	" "	20	1009	84	76	76	5	3	"	84	15	100	005-10.5
1300	3-36N	157-38W	" "	20	1007	84	77	80	6	4	"	84	15	090	005-10.5
1400	3-46N	157-39W	" "	20	1006	84	77	80	6	5	045-7-8	84	15	090	005-10.5
1500	3-57N	157-39W	" "	20	1006	83	76	80	8	7	045-9-8	84	17	090	005-10.5
1600	4-08N	157-39W	" "	20	1006	83	76	80	9	7	045-8-10	84	17	090	005-10.5
1700	4-18N	157-33W	CLOUDY	20	1007	82	77	84	8	7	045-6-8	84	17	090	005-10.5
1800	4-28N	157-33W	" "	20	1007	81	77	87	8	7	045-6-8	84	16	090	005-10.5
1900	4-38N	157-32W	O'CAST	10	1009	80	77	91	10	10	045-6-8	84	15	085	005-10.5
2000	4-49N	157-32W	" "	15	1008	80	77	91	10	10	045-6-8	84	15	075	000-10.5
2100	5-00N	157-32W	CLOUDY	20	1009	83	75	80	5	3	045-6-8	84	15	060	000-10.5
2200	5-10N	157-32W	Few Cls	20	1009	83	75	80	2	1	045-6-8	84	15	060	000-10.5
2300	5-20N	157-33W	Clear	20	1009	83	75	80	1	1	045-6-8	84	15	060	000-10.5
2400	5-31N	157-33W	Clear	20	1007	82	75	80	0	0	045-6-8	84	15	060	000-10.5

REMARKS:

ALL TIMES LOCAL (WHISKEY); WIND DIR. IN WHOLE DEGREES; WIND SPEED IN KNOTS; TEMPERATURES IN FAHRENHEIT; VISIBILITY IN NAUTICAL MILES; WAVES IN WHOLE DEGREES; WAVE PERIOD IN SECONDS; WAVE HEIGHT IN WHOLE FEET; SEA LEVEL PRESSURE IN MILLIBARS

SI-MNH-955  
12-5-63



DATE 16 March 1966

TIME	LAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUMID%	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100	5-41N	157-34W	Clear	20	1008	82	77	84	0	0	045-7-10	83	17	060	000 10.5
0200	5-51N	157-24W	Few Cls	20	1008	82	77	84	1	0	045-7-10	83	21	060	000 10.5
0300	6-01N	157-34W	Ptly Cls	20	1007	82	77	84	5	4	045-7-10	83	21	060	000 10.5
0400	6-12N	157-34W	" "	20	1007	82	77	84	5	4	045-7-10	83	22	065	000 10.5
0500	6-18N	157-30W	" "	20	1007	82	77	84	5	4	045-6-12	82	20	090	000 - 10-0
0600	6-28N	157-30W	" "	20	1008	82	77	84	5	4	045-6-12	82	20	085	000 - 10-0
0700	6-38N	157-30W	Cloudy	20	1009	82	77	84	7	6	045-6-12	82	20	085	000 - 10-0
0800	6-48N	157-30W	" "	20	1010	82	77	84	7	6	045-6-12	82	20	085	000 - 10-0
0900	6-58N	157-30W	" "	20	1010	83	76	80	6	5	045-6-10	82	20	060	000 10.2
1000	7-08N	157-30W	" "	20	1011	83	76	80	6	5	045-6-10	82	20	060	000 10.2
1100	7-18N	157-30W	" "	20	1011	83	76	80	6	5	045-6-10	82	20	060	000 10.2
1200	7-28N	157-30W	" "	20	1011	83	76	80	6	5	045-6-10	82	20	060	000 10.2
1300	7-31N	157-29W	Ptly Cls	20	1009	83	76	80	4	2	045-6-10	82	22	065	000 10
1400	7-40N	157-29W	" "	20	1009	83	76	80	2	1	045-6-12	82	22	065	000 10
1500	7-49N	157-29W	" "	20	1008	81	76	83	2	1	045-6-12	82	21	065	000 10
1600	7-59N	157-29W	" "	20	1008	81	76	83	2	1	045-6-12	82	20	085	000 10
1700	8-18N	157-31W	" "	20	1008	82	77	84	2	1	045-6-12	82	19	080	000 - 10
1800	8-28N	157-31W	" "	20	1009	82	77	84	2	1	050-7-12	82	18	080	000 - 10
1900	8-39N	157-31W	" "	20	1009	82	77	84	3	2	050-7-12	82	17	080	000 - 10
2000	8-49N	157-31W	" "	20	1010	82	77	84	3	2	050-7-12	82	17	080	000 - 10
2100	8-59N	157-32W	Few Cls	20	1010	79	74	87	1	1	050-6-10	82	15	080	000 - 10
2200	9-09N	157-32W	" "	20	1011	79	74	87	1	1	050-6-10	82	15	080	000 - 10
2300	9-19N	157-32W	" "	20	1011	79	74	87	1	1	050-6-10	82	15	080	000 - 10
2400	9-29N	157-32W	" "	20	1011	79	74	87	1	1	050-6-10	82	15	080	000 - 10

REMARKS:

ALL TIMES LOCAL (WHISKEY); WIND DIR. IN WHOLE DEGREES; WIND SPEED IN KNOTS; TEMPERATURES IN FAHRENHEIT; VISIBILITY IN NAUTICAL MILES; WAVES IN WHOLE DEGREES; WAVE PERIOD IN SECONDS; WAVE HEIGHT IN WHOLE FEET; SEA LEVEL PRESSURE IN MILLIBARS

SI-MNH-955

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DATE 17 March 1966

TIME	LAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUMID%	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100	9-38N	157-32W	Few Cls	20	1011	80	74	83	3	1	050-6-8	82	12	060	000 10.5
0200	9-48N	157-32W	" "	20	1010	80	74	83	1	0	050-6-8	82	12	060	000 10.5
0300	9-58N	157-32W	" "	20	1010	80	74	83	2	1	050-6-8	82	13	090	000 10.5
0400	10-08N	157-32W	Partly Cls	20	1010	80	74	83	7	6	050-6-8	82	13	090	000 10.5
0500	10-23N	157-33W	" "	20	1010	79	73	83	6	5	050-6-8	80	11	080	000 10.5
0600	10-33N	157-33W	" "	20	1011	78	74	87	6	5	050-6-7	80	11	080	000 10.5
0700	10-44N	157-34W	Cloudy	20	1012	78	74	87	9	8	050-6-7	80	12	080	000 10.5
0800	10-55N	157-34W	" "	20	1012	77	74	91	10	10	050-6-7	80	12	080	000 10.5
0900	11-05N	157-35W	" "	20	1012	79	75	87	10	10	050-6-7	80	13	080	000 10.5
1000	11-15N	157-36W	" "	20	1013	79	75	87	10	10	070-6-7	80	17	080	000 10.5
1100	11-26N	157-37W	" "	20	1012	80	74	83	10	10	070-6-8	80	17	080	000 10.5
1200	11-37N	157-37W	" "	20	1012	80	74	83	10	10	070-6-8	80	20	080	000 10.5
1300	11-45N	157-37W	Clear	20	1011	89	75	87	10	10	070-6-12	80	22	085	000 10.5
1400	11-55N	157-38W	" "	20	1011	79	75	87	10	10	070-8-12	80	23	085	000 10.5
1500	12-06N	157-42W	Partly Cls	20	1010	80	74	83	9	8	070-8-12	80	18	070	000 10.5
1600	12-16N	157-42W	" "	20	1009	79	73	83	8	6	070-8-12	80	17	070	000 10.5
1700	12-19N	157-39W	" "	20	1009	79	73	83	8	7	065-7-10	79	17	070	000 10
1800	12-29N	157-39W	Cloudy	20	1010	78	74	87	9	8	065-7-10	79	15	070	000 10
1900	12-39N	157-39W	" "	20	1011	78	74	87	9	8	065-7-10	79	17	070	000 10
2000	12-49N	157-39W	" "	20	1011	78	74	87	9	8	065-7-10	79	14	070	000 10
2100	12-59N	157-39W	Clear	20	1012	78	74	87	1	1	070-6-10	79	15	070	000 10.5
2200	13-09N	157-39W	" "	20	1012	78	74	87	1	1	070-6-10	79	15	070	000 10.5
2300	13-19N	157-39W	" "	20	1013	78	74	87	1	1	070-6-10	79	15	070	000 10.5
2400	13-29N	157-39W	" "	20	1013	78	74	87	1	1	070-6-10	79	15	070	000 10.5

REMARKS:

ALL TIMES LOCAL (WHISKEY); WIND DIR. IN WHOLE DEGREES; WIND SPEED IN KNOTS; TEMPERATURES IN FAHRENHEIT; VISIBILITY IN NAUTICAL MILES; WAVES IN WHOLE DEGREES; WAVE PERIOD IN SECONDS; WAVE HEIGHT IN WHOLE FEET; SEA LEVEL PRESSURE IN MILLIBARS

SI-MNH-955  
12-5-63



DATE 18 March 1966

TIME	LAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUMID/O	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100	13-41N	157-42W	Partly cldy	15	1014	76	73	91	7	7	070-8-10	79	18	060	070 10.5
0200	13-51N	157-40W	Partly cldy	15	1013	76	73	91	10	9	070-8-10	79	18	060	070 10.5
0300	14-02N	157-40W	Partly cldy	15	1013	76	73	91	8	7	070-8-10	79	18	060	070 10.5
0400	14-12N	157-40W	" "	15	1012	76	73	91	4	2	070-8-10	79	18	060	070 10.5
0500	14-24N	157-47W	Few clds	20	1012	76	73	91	3	2	070-6-7	79	23	060	000 10.5
0600	14-34N	157-48W	" "	20	1013	77	70	79	3	2	050-6-7	79	23	060	000 10.5
0700	14-44N	157-49W	" "	20	1013	78	69	75	3	2	050-6-7	79	20	060	005 10.5
0800	14-54N	157-49W	" "	20	1013	79	69	72	3	2	050-6-7	79	19	060	005 10.5
0900	15-05N	157-48W	" "	20	1014	78	71	79	2	1	070-6-5	79	15	080	005 10.5
1000	15-15N	157-48W	" "	20	1014	78	71	79	1	1	070-6-5	79	15	080	005 10.5
1100	15-25N	157-47W	" "	20	1015	78	71	79	1	1	070-6-5	79	15	080	005 10.5
1200	15-36N	157-47W	" "	20	1015	78	71	79	1	1	070-6-5	79	15	080	005 10.5
1300	15-46N	157-47W	" "	20	1014	77	71	82	1	0	070-8-10	79	17	080	005 10.5
1400	15-56N	157-46W	" "	20	1013	77	71	82	1	0	070-8-10	79	19	080	005 10.5
1500	16-07N	157-46W	" "	20	1013	77	71	82	2	1	070-8-10	79	18	080	005 10.5
1600	16-17N	157-45W	" "	20	1013	78	72	83	2	1	070-8-10	78	17	090	005 10.5
1700	16-32N	157-48W	" "	20	1013	78	72	83	2	1	070-7-7	78	16	090	005 10.5
1800	16-43N	157-47W	" "	20	1013	77	71	82	3	1	070-7-7	78	16	090	005 10.5
1900	16-54N	157-47W	PART CLOUDY	20	1014	77	71	82	3	2	070-7-7	78	16	090	005 10.5
2000	17-05N	157-47W	" "	20	1015	77	71	82	5	4	070-7-7	78	16	090	005 10.5
2100	17-16N	157-47W	Cloudy	20	1015	75	71	91	7	5	090-6-6	78	15	090	005 11.0
2200	17-27N	157-47W	" "	20	1016	75	71	91	7	5	090-6-6	78	15	090	005 11.0
2300	17-38N	157-47W	" "	20	1016	75	71	91	7	5	090-6-6	78	15	090	005 11.0
2400	17-49N	157-47W	" "	20	1016	75	71	91	7	5	090-6-6	78	15	090	005 11.0

REMARKS:

ALL TIMES LOCAL (WHISKEY); WIND DIR. IN WHOLE DEGREES; WIND SPEED IN KNOTS; TEMPERATURES IN FAHRENHEIT; VISIBILITY IN NAUTICAL MILES; WAVES IN WHOLE DEGREES; WAVE PERIOD IN SECONDS; WAVE HEIGHT IN WHOLE FEET; SEA LEVEL PRESSURE IN MILLIBARS

SI-MNH-955  
12-5-63



DATE 19 March 1966

TIME	LAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUMID%	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPEED
0100	18-00N	157-47W	Partly Clbd	20	1016	75	72	91	6	3	090-6-6	78	18	100	005 11.0
0200	18-15N	157-47W	" "	20	1016	75	71	87	6	2	090-6-6	78	19	110	005 11.0
0300	18-20N	157-47W	" "	20	1015	75	71	87	4	1	090-6-8	78	19	120	005 11.0
0400	18-31N	157-47W	" "	20	1015	75	71	87	3	2	090-6-8	78	19	120	005 11.0
0500	18-42N	157-43W	" "	20	1015	76	70	72	5	4	090-6-8	76	22	120	005-11-0
0600	18-53N	157-43W	" "	20	1016	76	70	72	7	6	090-6-8	76	22	120	005-11-0
0700	19-04N	157-43W	CLOUDY	20	1017	76	70	72	9	8	090-6-8	76	22	120	356-11-0
0800	19-15N	157-44W	"	20	1017	77	70	78	9	8	090-6-8	76	22	120	356-11-0
0900	19-25N	157-47W	O'CAST	20	1018	75	69	82	9	8	060-6-8	76	15	060	356-11-0
1000	19-36N	157-47W	"	20	1018	75	69	82	9	8	060-6-8	76	15	060	356-11-0
1100	19-46 1/2 N	157-47W	"	20	1018	75	69	82	9	8	060-6-8	76	15	060	356-11-0
1200	19-57 1/2 N	157-48W	"	20	1018	75	69	82	9	8	060-6-8	76	15	060	356-11-0
1300	20-01N	157-48W	Partly Clbd	20	1017	75	69	82	1	0	060-6-8	76	20	085	356-10.5
1400	20-11N	157-48W	" "	20	1016	75	69	82	1	0	060-6-8	76	20	085	356-10.5
1500	20-21N	157-54W	" "	20	1016	76	66	70	1	0	060-6-8	76	11	075	356-10.5
1600	20-32N	157-54W	" "	20	1015	76	66	70	1	0	060-6-8	76	4 kts		002 10.5
1700	20-42N	157-58W	" "	20	1016	75	71	87	2	1	060-6-7	76	8	070	002-9.5
1800	20-52N	157-58W	" "	20	1016	75	71	87	2	1	060-6-7	76	8	070	012-9.5
1900	21-02N	157-57W	" "	20	1017	75	71	87	2	1	060-6-7	76	8	070	012-9.5
2000	21-06N	157-56W	" "	20	1017	75	71	87	2	1	060-6-7	76	8	070	VARIOUS
2100															
2200															
2300															
2400															

REMARKS:

ALL TIMES LOCAL (WHISKEY); WIND DIR. IN WHOLE DEGREES; WIND SPEED IN KNOTS; TEMPERATURES IN FAHRENHEIT; VISIBILITY IN NAUTICAL MILES; WAVES IN WHOLE DEGREES; WAVE PERIOD IN SECONDS; WAVE HEIGHT IN WHOLE FEET; SEA LEVEL PRESSURE IN MILLIBARS

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SMITHSONIAN INSTITUTION  
DIVISION OF BIRDS  
AT SEA CLIMATOLOGICAL DATA

DATE 1 MARCH 1966

TIME	LAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100															
0200															
0300															
0400															
0500															
0600															
0700															
0800	0-49 N	176-48 W	Cloudy	20	1009	84	77	80	7	6	000-6-4	85	4K.	260	280 10K.
0900	0-50 N	176-56 W	"	20	1010	84	77	80	7	6	000-6-4	85	5	315	280 11
1000	0-52 N	177-07 W	"	20	1010	84	77	80	7	6	000-6-4	85	5	315	280 11
1100	0-54 N	177-18 W	"	20	1010	84	77	80	7	6	000-6-4	85	5	315	280 11
1200	0-56 N	177-29 W	"	20	1010	84	77	80	7	6	000-6-4	85	5	315	280 11
1300	0-58 N	177-39 W	"	20	1010	85	77	77	8	7	000-6-4	85	5	350	280 11
1400	0-56 N	177-51 W	"	20	1009	84	77	80	9	8	000-6-4	85	10	030	280 11
1500	1-01 N	177-54 W	"	20	1009	84	73	69	7	6	000-6-4	85	10	000	053 10
1600	1-09 N	177-47 W	"	20	1007	84	73	69	6	4	000-6-4	85	10	000	053 10
1700	1-12 N	177-42 W	"	20	1008	84	73	69	8	7	000-6-4	85	10	045	053 -40 9
1800	1-16 N	177-35 W	"	20	1008	85	75	73	8	7	000-6-4	85	10	060	053 -40 9
1900	1-20 N	177-29 W	"	20	1009	85	75	73	8	7	000-6-4	85	10	070	053 -40 9
2000	1-23 N	177-20 W	"	20	1009	85	75	73	8	7	000-6-4	85	10	070	053 -40 9
2100	1-30 N	177-15 W	Partly cl.	20	1010	83	77	84	7	2	000-6-4	85	10	070	038 9.0
2200	1-37 N	177-10 W	"	20	1011	83	77	84	7	2	000-6-4	85	10	070	038 9.0
2300	1-44 N	177-04 W	"	20	1011	83	77	84	7	2	000-6-4	85	10	070	038 9.0
2400	1-51 N	176-58 W	"	20	1011	83	77	84	7	2	000-6-4	85	10	070	038 9.0

REMARKS:

<sup>TRAY</sup>  
ALL TIMES LOCAL (WHISKEY); WIND DIR. IN WHOLE DEGREES; WIND SPEED IN KNOTS; TEMPERATURES IN FAHRENHEIT; VISIBILITY IN NAUTICAL MILES;  
WAVES IN WHOLE DEGREES; WAVE PERIOD IN SECONDS; WAVE HEIGHT IN WHOLE FEET; SEA LEVEL PRESSURE IN MILLIBARS

090 N 176 07 W



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SMITHSONIAN INSTITUTION  
DIVISION OF BIRDS  
AT SEA CLIMATOLOGICAL DATA

DATE 3 March 1966

TIME	LAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100	0-13S	177-59W	Deaf of rain	10	1010	80	77	91	10	10	040-5-3	85	12	045	128 10
0200	0-21S	177-57W	" "	10	1010	80	77	91	10	10	040-5-3	85		Airs	128 10
0300	0-28S	177-45W	" "	10	1009	80	77	91	10	10	040-5-3	85		0 Calm	128 10
0400	0-35S	177-37W	" "	10	1009	80	77	91	10	10	040-5-3	85		Airs	128 10
0500	0-30S	177-37W	Cloudy	20	1009	81	75	83	7	6	020-6-4	85	5	045	050-9
0600	0-23S	177-32W	"	20	1009	81	75	83	7	6	020-6-4	85	6	045	050-9
0700	0-16S	177-26W	"	20	1010	82	77	84	6	5	010-6-4	85	7	045	050-9
0800	0-11S	177-18W	PART. CLDY	20	1010	82	77	84	4	3	010-6-4	85	7	045	064-9
0900	0-06S	178-11W	Few Clk.	20	1011	84	77	80	4	1	045-5-4	85	7	090	064 9
1000	0-00	177-04W	"	20	1011	84	77	80	4	1	045-5-4	85	7	090	064 9
1100	0-01S	176-56W	"	20	1012	84	77	80	4	1	045-5-4	85	7	090	080 8.5
1200	0-00	176-48W	"	20	1012	84	77	80	4	1	045-5-4	85	7	090	080 8.5
1300	0-02N	176-40W	"	20	1010	84	76	76	7	2	045-5-4	85	11	150	088 8.5
1400	0-03N	176-36W	"	20	1008	84	76	76	5	3	045-5-4	85	9	170	Drifting
1500	0-05N	176-38W	"	20	1007	84	76	76	3	1	045-5-4	85	11	170	"
1600	0-08N	176-36W	"	20	1007	84	76	76	3	1	045-5-4	85	11	170	084-10
1700	0-09N	176-31W	"	20	1008	84	76	80	4	2	060-5-4	85	12	170	084-10
1800	0-11N	176-21W	"	20	1008	84	76	80	4	2	070-6-4	85	14	170	084-10
1900	0-12N	176-11W	"	20	1009	84	76	80	4	2	080-6-4	85	14	170	086-10
2000	0-13N	176-04W	"	20	1009	84	76	80	4	2	080-6-4	85	14	170	086- <del>10</del> 7
2100	0-13N	175-59W	"	20	1010	84	76	80	3	3	135-5-3	85	6	135	086 6
2200	0-13N	175-54W	"	20	1010	84	76	80	3	3	135-5-3	85	6	135	086 6
2300	0-11N	175-57W	"	20	1010	84	76	80	3	3	135-5-3	85	6	135	195 4
2400	0-08N	176-02W	"	20	1010	84	76	80	3	3	135-5-3	85	6	135	195 4

REMARKS:

ALL TIMES LOCAL (WHISKEY); WIND DIR. IN WHOLE DEGREES; WIND SPEED IN KNOTS; TEMPERATURES IN FAHRENHEIT; VISIBILITY IN NAUTICAL MILES;  
WAVES IN WHOLE DEGREES; WAVE PERIOD IN SECONDS; WAVE HEIGHT IN WHOLE FEET; SEA LEVEL PRESSURE IN MILLIBARS



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SMITHSONIAN INSTITUTION  
DIVISION OF BIRDS  
AT SEA CLIMATOLOGICAL DATA

DATE 4 March 1966

TIME	LAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100	0-05N	176-06W	Partly Clody	20	1010	83	76	80	3	1	140-4-3	85	11	110	195 4
0200	0-08N	176-07W	" "	20	1009	83	76	80	3	1	140-4-3	85	11	110	195 4
0300	0-09S	176-10W	" "	20	1008	83	76	80	3	1	140-4-3	85	11	110	195 4
0400	0-06S	176-13W	" "	20	1008	83	76	80	4	2	140-4-3	85	9	120	195 4
0500	0-07S	176-16W	" "	20	1008	84	76	76	4	3	140-5-5	85	9	135	195-4
0600	0-10S	176-20W	" "	20	1008	84	76	76	4	3	140-5-5	85	9	135	195-4
0700	0-14S	176-24W	" "	20	1009	84	76	76	6	5	140-5-5	85	9	135	214-11
0800	0-22S	176-31W	" "	20	1009	84	76	76	6	5	140-5-5	84	9	135	214-11
0900	0-28S	176-38W	Cloudy	20	1009	85	74	73	8	2	160-5-5	84	10	160	214 11.0
1000	0-37S	176-47W	" "	20	1009	85	74	73	8	2	160-5-5	84	10	160	214 11.0
1100	0-46S	176-53W	" "	20	1009	85	74	73	8	2	160-5-5	84	10	160	212 11.0
1200	0-55S	177-01W	" "	20	1009	85	74	73	8	2	160-5-5	84	10	160	212 11.0
1300	1-03S	177-02W	Partly Clody	20	1008	87	76	71	8	6	160-5-5	84	11	160	125 9.5
1400	1-11S	176-56W	" "	20	1007	85	77	77	7	4	160-5-5	84	9	180	125 9.5
1500	1-17S	176-51W	" "	20	1006	85	77	77	8	6	160-5-5	84	5	200	125 9.5
1600	1-22S	176-48W	Partly Clody	20	1006	85	78	80	10	9	160-5-5	84	5	200	125 9.5
1700	1-17S	176-36W	" "	20	1006	84	73	69	10	9	130-6-5	84	7	160	053-9-5
1800	1-11S	176-30W	" "	20	1007	84	73	69	10	9	130-6-5	84	7	120	053-9-5
1900	1-07S	176-29W	" "	20	1007	84	73	69	10	9	130-6-5	84	7	120	DRIFTING
2000	1-07S	176-31W	" "	20	1007	84	73	69	10	8	130-6-5	84	5	120	"
2100	1-07S	176-32W	" "	20	1009	82	75	80	10	2	conf	84	10	070	"
2200	1-07S	176-34W	" "	20	1009	82	75	80	10	2	"	84	10	070	"
2300	1-07S	176-36W	" "	20	1009	82	75	80	10	2	"	84	10	070	"
2400	1-07S	176-37W	" "	20	1009	82	75	80	10	2	"	84	10	070	"

REMARKS:

ALL TIMES LOCAL (<sup>TRAY</sup>WHISKEY); WIND DIR. IN WHOLE DEGREES; WIND SPEED IN KNOTS; TEMPERATURES IN FAHRENHEIT; VISIBILITY IN NAUTICAL MILES; WAVES IN WHOLE DEGREES; WAVE PERIOD IN SECONDS; WAVE HEIGHT IN WHOLE FEET; SEA LEVEL PRESSURE IN MILLIBARS