

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

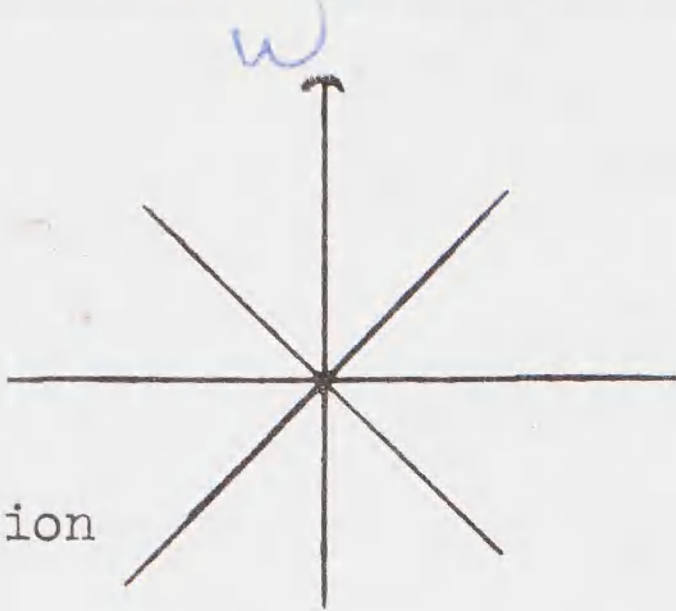
OBSERVERS:

Anderson
Hudson

Date 1 August
Pg.# 1

SPECIMEN
or

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
07 40	Start				
07 45	RTTB	1	E		sitting on water, flew east
09 13	WTS	1	N		S, dp
10 34	WTS	1	SE		S, lp
10 50	WTS	1	SE		S, lp
11 20	Lunch break				
11 45	Start				
14 42	RTTB	1	SE		S
14 46	Bul Pet	1	SE		S
16 40	Bird	1	S		S - dark color
17 20	Dinner break				
17 30	Start				
20 04	ST	2	SE		Adults Trans.
20 15	Stag				



Ship
Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:

Anderson
Huber

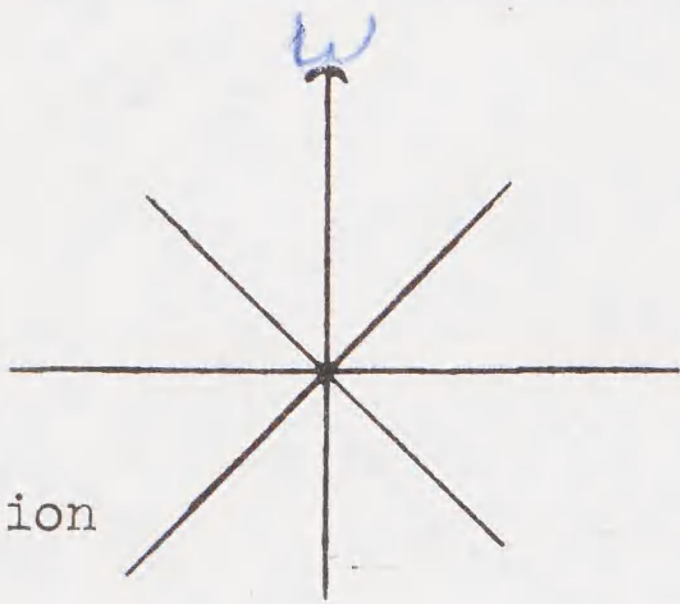
Date
Pg.#

2 August
1

SPECIMEN
or

TIME SPECIES # DIR. BAND NO. REMARKS

08 35	Start				
08 44	WTS	1	E		S - in steady light rain
09 06	WTS	2	N		S dp
	JFP	1	N		
09 29	WTS	1	N		S, lg
09 49	JFP	1	NE		S
09 49	WTS	1	NE		S lg
10 03	JFP	1	S		S
10 09	WNP	1	S		S
	Birding	1	S		S
12 20	Start Lunch Break				
12 40	JFP-WNP	1	NE		
13 25	ST	1	S		AD
14 05	Stop				
14 20	Start				
18 20	Dinner Break				
18 40	Start				
20 17	Stop				



Ship
Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:

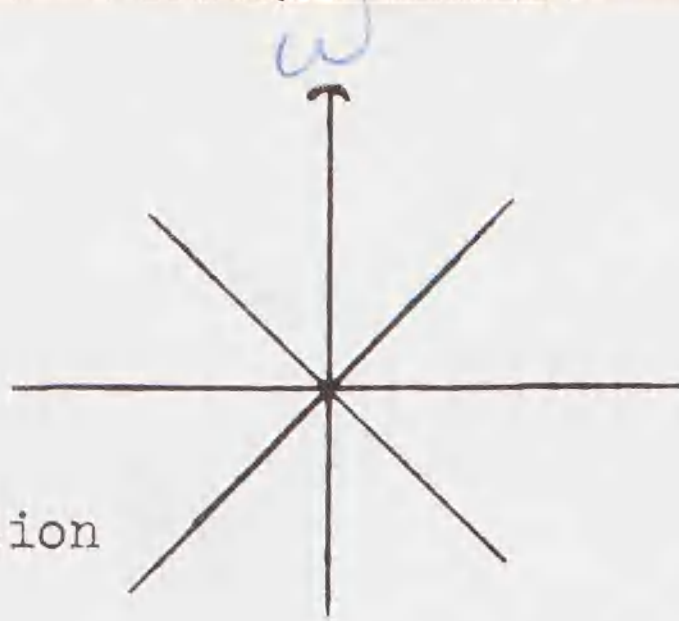
Amerson
Hulbert

Date
Pg.#

3 August
1

SPECIMEN
or

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
08 45	Start				
09 40	ST	1	S		
10 01	Bonin P. Tropic	1	S		S
11 50	Bonin P. Tropic	1	N		S
12 11	Bul P	1	S		S
12 22	Lunch Break				
12 55	Start				
13 55	stop				
15 00	Start				
18 01	WTS	1	E		S - all 1805 headed SE
20 50	Stop				



Ship
Direction


SMITHSONIAN INSTITUTION
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AT SEA DAILY LOG - E

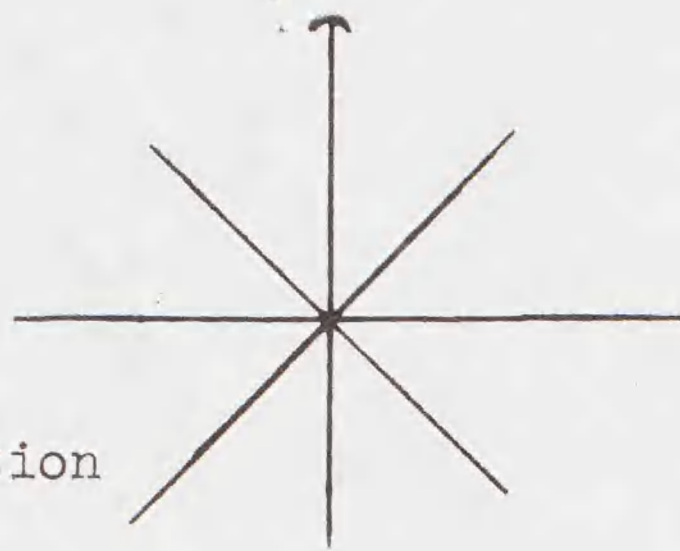
OBSERVERS:

Amerson
Harbor

Date 4 August
Pg.# 1

SPECIMEN
or

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
08 44	Start				
09 00	WTS	1	E		S, lg
09 03	JFP	1	S		S
09 42	JFP	1	S		S
10 07	WTS	1	S		S, lg
10 07	WNP	1	S		S
11 02	WTS	1	NE		S, lg
11 16	GF	1	E		A-σ, apparent diving , circling about 100 feet high near a rain squall
12 55	RTTB	1			sitting on H ₂ O
13 17	Cook's pet type	1	N		
13 30	WTS	1	NE		Palapone watched him going NE for approx 2 minutes. He then ^{made a slight backward arc} landed and landed in water feet + head first with his wings spread but angled up. Last observed sitting on water, did not dive.
15 47	CIS	1	N		S, near light rain squall
16 17	WTS	1	NE		S, behind ship for 42 min, lg
16 46	WTS	1	NE		S, lg
17 28	Team	2	N		T, dark
18 18	Diving	Break			
18 35	Start				
19 40	Whales	3	W		 spout going forward + semi-bushy
19 56	Xmas Island?	1	NE		estimate of 60-70', tail did not come out of H ₂ O
20 08	Whales	3-4	E		some above
	Porpoise	1	E		all black, completely out of water on tail - some too far for description
20 16	CIS	1	E		S
20 35	ST	7	E		T all adults
21 00	WTS	1	SE		SC + 21 05
21 10	Stop				



Ship
Direction

SMITHSONIAN INSTITUTION
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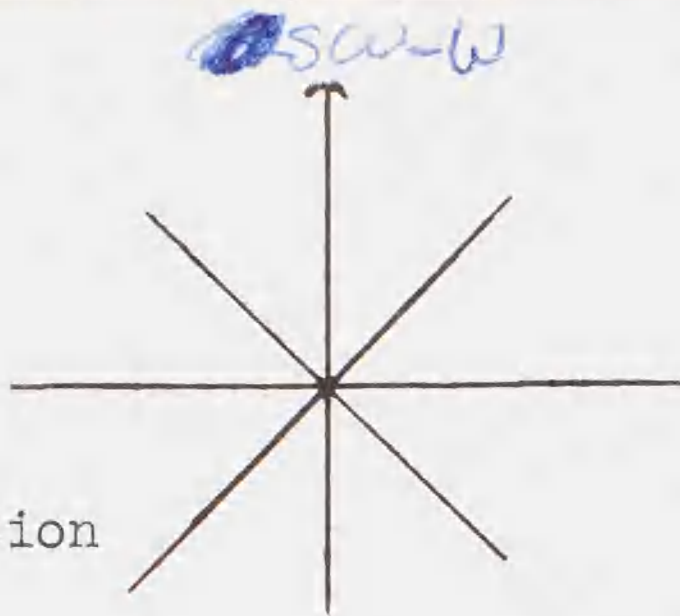
OBSERVERS:

Amerson
Hudson

Date 5 Aug 68
Pg.# 1

SPECIMEN
or

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
08 25	Start				
08 25	ST	1	E		E , T
08 36	CIS	1	SE		SE , S
08 40	BulP	1	SW		S
08 56	ST	2	SE		T
08 57	ST	1	SE		T
09 48	RFB	1	CS		SA - till 0952, searching
09 51	JRP	1	S		S
10 17	ST	2	S		T
10 17	ST	1	SW		T
10 19	ST	3	SW		T
11 00	Cook + yea	2	@SW		S
11 05	ST	1	SE		T
11 07	WTS	1	S		S
11 11	ST	"	SE	adult	S, feeding
11 11	WTS	1	SE		S, feeding
11 43	ST	1	SE	A	Several ST dove into the water from at least 50 feet high. They hit belly first and stayed on the water only a few seconds.
11 50	ST	1	SW		T
11 55	CIS	1	SE		S
12 02	WTS	1	S		S, lg
12 07	ST	2	SW		T
12 18	BulP	1	E		S
12 20	Fairy tern	2	ENE		
12 20	Xmas Is. S.	1	(circle)		
12 20	WTS	2	SE		WPhone,
12 24	Large white bird	1	E		Booby or tropic bird, low over water, very distant
12 36	WTS	1	SE		WPhone
12 42	WTS	1	SE		WPhone
12 42	XI.S	1	S		
12 43	C. Noddy	2	SE		T



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OBSERVERS:

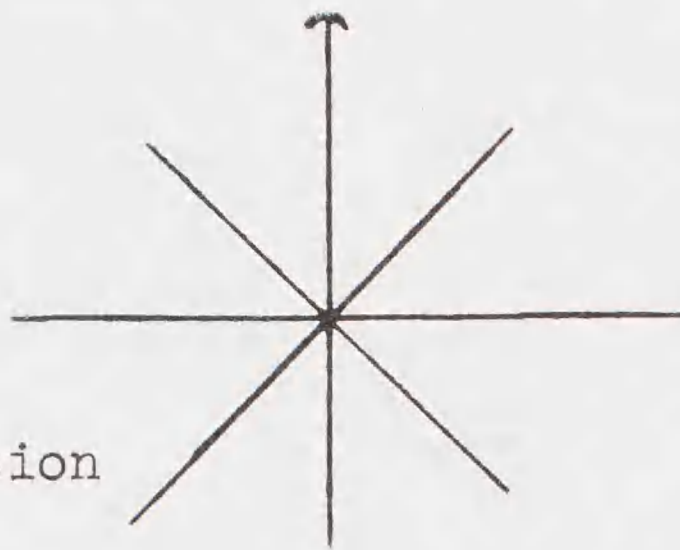
American
Hobbs

Ship
Direction

Date 5 Aug
Pg.# 25

SPECIMEN
or

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
12 52	Ruddy Turnstone	1	⊙		circled around ship several times and disappeared
12 58	ST	2	SW-W		T
13 01	ST	3	⊙		_____
13 18	B.T. Curlew	1	⊙		circled around ship + disappeared
13 22	RFB	1	⊙		flying about 30' above radar
13 24	ST	3	SE		all dark with a little white on tail blue bill with black tip - subad.
13 28	WTS	1	SE		Ad, T
13 24	Sooty Tern as 1324				wp
					stop traveling and begin circling _____ high over water and stay that way
13 40	BFB	1	⊙		_____
13 43	WTS	2	⊙		crew saw it
13 50	ST	1	⊙		S wp
13 50	XIS	2	SE		Ad
13 50	WTS	1	SE		wp, _____
13 50	F tern	1	E		_____
14 06	WTS	1	⊙		wp
14 06	Large White Bird	1	W		Body probably, very distant
14 28	WTS	2	⊙		wp
14 29	Xmas Is Sh.	1	SE		_____
14 45	WTS	1	⊙		DP
14 45	RFB	1	⊙		S Northern White Phase Ad
14 57	RTTB	1	N		Ad, T
15 00	RFB	1	⊙		imm. RFB. all dark, dark bill
15 04	WTS	1	⊙		wp
15 15	WTS	2	⊙		wp
15 18	RTTB	1	SE		Ad, T appeared to _____ have gotten _____ off water
15 24	RFB Sooty Tern	2 10	⊙ ⊙		_____
					search flock, ad sooty, adult Northern Phase RFB + _____ Subad redfoot. sooties left and RFBs settled on H ₂ O



Ship
Direction

SMITHSONIAN INSTITUTION
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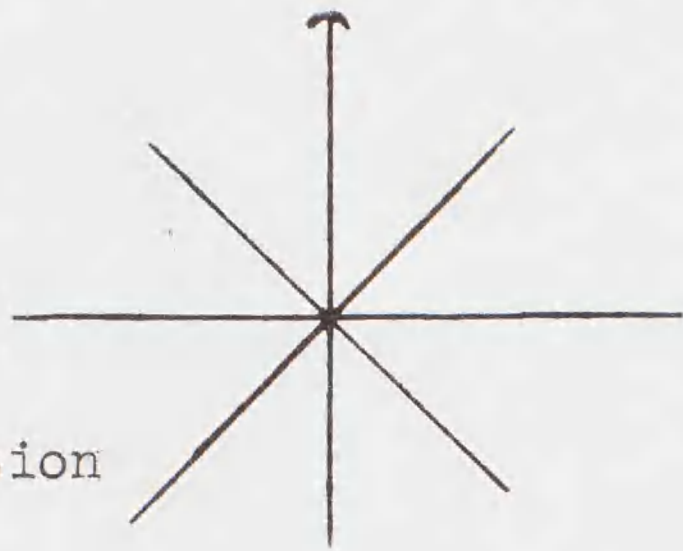
OBSERVERS:

Murphy
Huber

Date 5 Aug, 68
Pg.# 3

SPECIMEN
or

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
15 26	RFB	1	☉		Ad N. Phased RFB, Sooties flew over and joined this one and the other two (1524 sighting) RFB stayed on water. Sooties and new Redfoot + WTS + Sooties + Noddies started feeding.
	WTS	10	☉		
	Sooties	10			
	com. Noddy	5+			
15 27	RFB	1			feeding.
15 28	RFB	2			Ad NP on water took off and joined flock.
15 55	WTS	1	E	S, lg	same two as 1524 sighting & scared by ship and took off and joined flock
15 57	Whale	1	W		black, floating on surface, small dorsal fin did not erupt. approx 30+ feet
16 08	RFB	1	S		S, adult, light phase
16 22	RFB	4	N		S, (2 ad, 2 SA) light phase
16 24	WT	1	N		T
16 28	WT	1	N		T
16 42	WTS	1	SW		S, lg.
16 44	RFB	1	SW		S
16 44	WTS	2	NW		S, lg
16 49	WT	1	NW		T
17 15	RFB	4	SE		feeding (3 ad, 1 SA)
	ST	15±			
17 28	RFB	1	NE		ST ad
17 36	RFB	2	N		T ad
17 46	WTS	1	W		S, lg
17 58	RFB	1	N		S ad
18 08	WTS	2	S		S, lg.
18 18	Dinner break				
18 35	Start				
18 51	Fairy tern	1	☉		circled around ship



Ship
Direction

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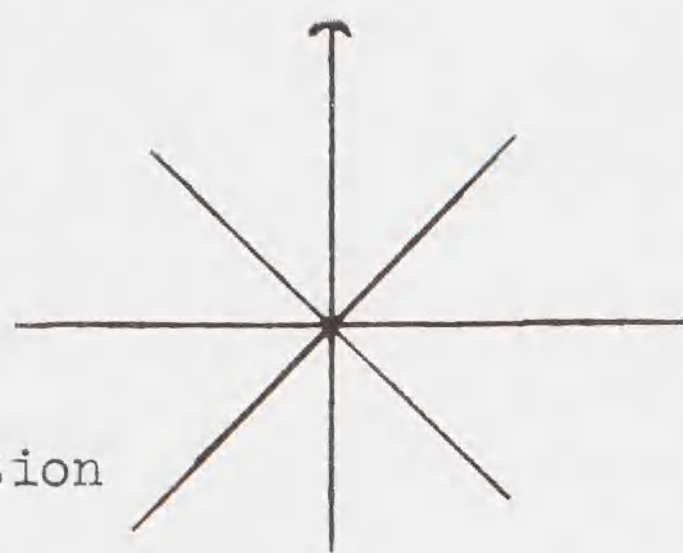
OBSERVERS:

Amson
Riber

Date 5 Aug, 1968
Pg.# 4

SPECIMEN
or

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
19 35	GB Tern	1	SE	—	Ad
19 37	X.I.S.	1	NE	—	T
19 39	WTS	2	NE	—	WP T
19 39	ST	1	NE	—	Ad T
19 45	Birdsp	1	NE	—	T
19 55	XIS	1 1	SW	—	
20 10	XIS	1	⊙	—	
20 11	XIS	1	NE	—	T about 80' above water
20 17	WTS	1	N	—	WP
20 28	XIS	1	N	—	
20 29	RTTB	1	⊙	—	Ad
20 34	WTS	1	N	—	WP
20 37	XIS	1	NE	—	
20 48	XIS	2	⊙	—	
20 52	XIS	1	⊙	—	
20 53	W. Tattler	1	⊙	—	
20 59	X.I.S.	1	⊙	—	
21 07	XIS	1	⊙	—	
21 10	XIS	1	⊙	—	
21 11	C. Shearwater	1	⊙	—	
21 15	Sunset stop watch				



Ship
Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

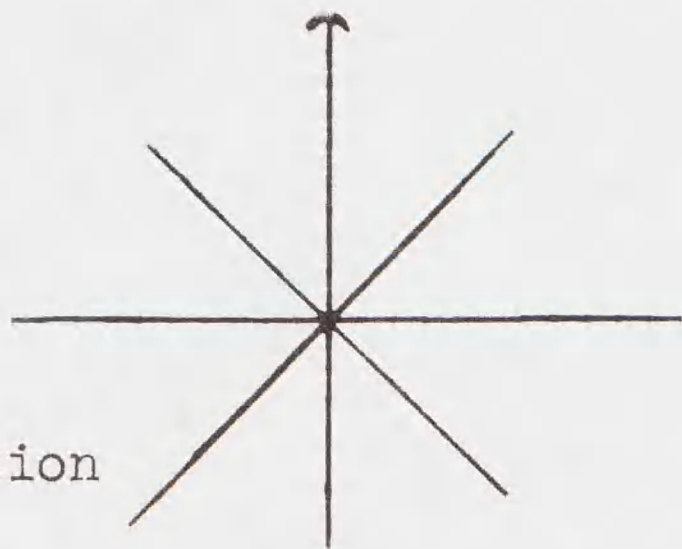
OBSERVERS:

Anderson
Huber

Date 6 August
Pg.# 1

SPECIMEN
or

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
08 40	Start				
08 40	BB	1	-		and released This adult male banded at 2240 on 5 August was sitting on the bow of the ship. Scared off by ship's personnel at 0852 - flew SW
08 40	RRB	1	⊙		subadult, flying around ship, attracted to above roosting BB - left at 0850
08 53	ST	1	SW		ad, Tron.
09 11	Bul P	1	W		S
10 03	Whale	1	NW		spout only
10 52	WTTB	1	SW		sitting on water, flew upon approach of ship to the SW
11 30	Bul P	1	W		S
11 57	Bul P	1	⊙ NE		S last seen 1205
12 03	Bul P	2	W		S
	WTS	1			ly
12 20	Lunch Break				
12 23	START				
12 27	teen sp	3	NW		
12 40	Sooty tern	1	NW		T
12 53	White tern	2	NW		T
12 59	White T	2	NW		T
13 03	W.T	1	NW		T
13 08	WT	2	⊙		
13 10	WT	1	NW		T
13 11	WT	2	⊙		
13 11	metal cylinder				polished metal cylinder approx. 4 ft long a foot in diameter, chrome color.
13 11	tropicbirds	1			sitting on H ₂ O maybe 200' from cylinder
13 12	W.T.	1	NW		T
13 30	WTS	2	S		
13 30	Crested Tern	1	S		T



Ship
Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

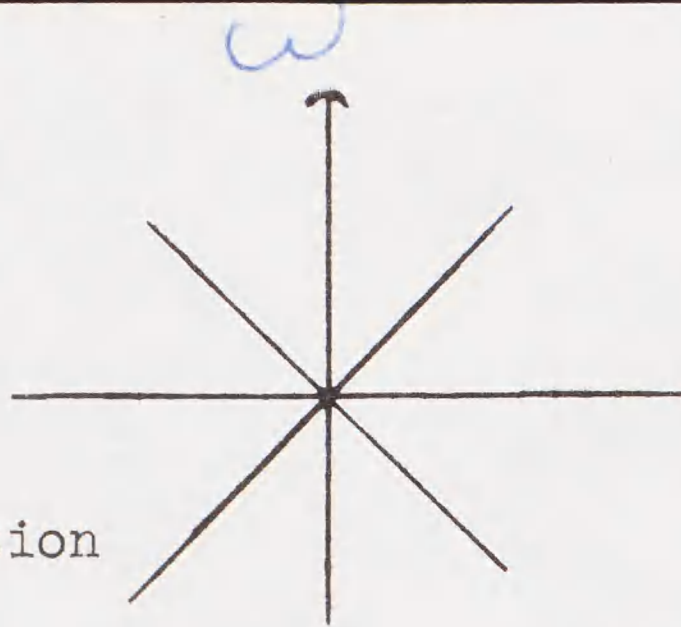
OBSERVERS:

Amerson
Huber

Date 6 Aug, 1968
Pg.# 2

SPECIMEN
or

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS	
13 35	WT	3	☉		feeding	
13 35	WT	1	N		T	
14 05	WT	58			} feeding flock	
1	B.B.	1				Ad
	RFB	2				N phase + Intermediate phase
	ST	3				Ad
	Shearwater	1				probably X island
14 05	WT	25			feeding flock.	
14 25	WT	35			} feeding flock	
	RFB	1				intermediate phase
14 36	WT	2	N		T	
14 48	WT	20			feeding flock	
15 07	WT	6	☉		SF	
15 12	WT	10	S			
15 22	WT	3	NW		T	
15 25	WT	4	☉			
15 25	WT	10	☉			
15 35	WT	1	☉			
15 35	WT	1	☉			
15 35	WT	1	☉			
15 55	WT	1			feeding	
16 21	WT	3	☉			
16 24	WT	1	S		T	
16 33	WT	3	WSW		T	
16 33	WTS?	1	SW		S, distant	
16 52	WTTB	1	☉		M	
17 08	WT	1	E		T	
17 52	WT	1	E		T	
18 15	XIS.	1	N		T	



SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:

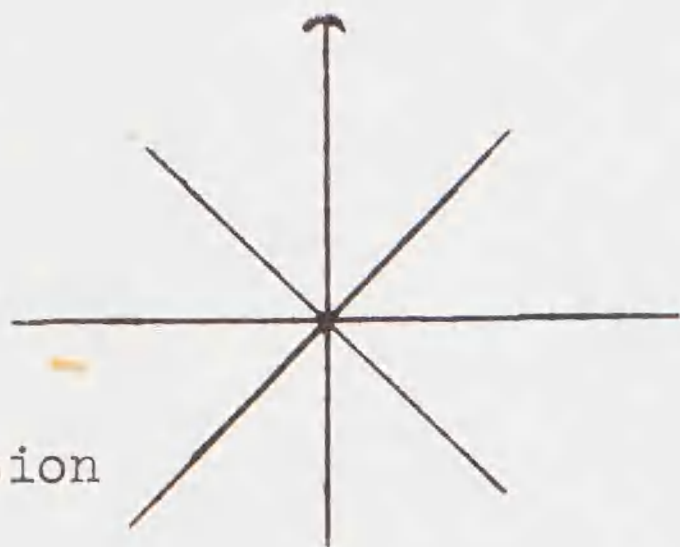
Alexson
Hulst

Ship
Direction

Date 6 Aug 1968
Pg.# 30

SPECIMEN
or

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
18 58	WT	2	SW		T
19 27	WT	1	W		T
20 30	Bulwers	1	⊙		
20 45	RFB	1	⊙		imm
20 35	WTS	2	⊙s		WP till 21 30
21 42	Stag				



SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:

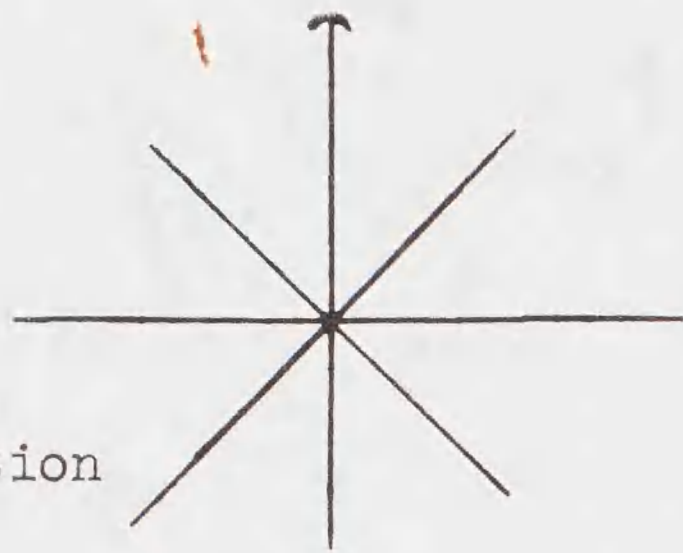
Amerson
Hubert

Ship
Direction

Date 7 August
Pg.# 1

SPECIMEN
or

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
08 50	Start				
09 57	WTTB	1	E		sitting on water, flew up in front of ship
10 53	WT	2	NW		feeding over school of fish
12 20	Stop for lunch				
12 30	Start				
12 25	Bird sp				crew saw it white under the dark above
12 40	Ruddy Turnstone	1		⊙	
12 41	WT	1		⊙	
13 48	WT	1		⊙	
14 00	Bird	1			floating belly up on water - dead.
14 05	WT	1	SE		white looks like w-p wedgetail but seems to be too much white on under wing. there is no dark ^{anterior} posterior rim
14 12	WT	1		⊙	shearwater-petrel type
14 24	WT	1	E		
14 58	WT	1	E		
15 00	stop				about 3 miles offshore no birds



Ship
Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

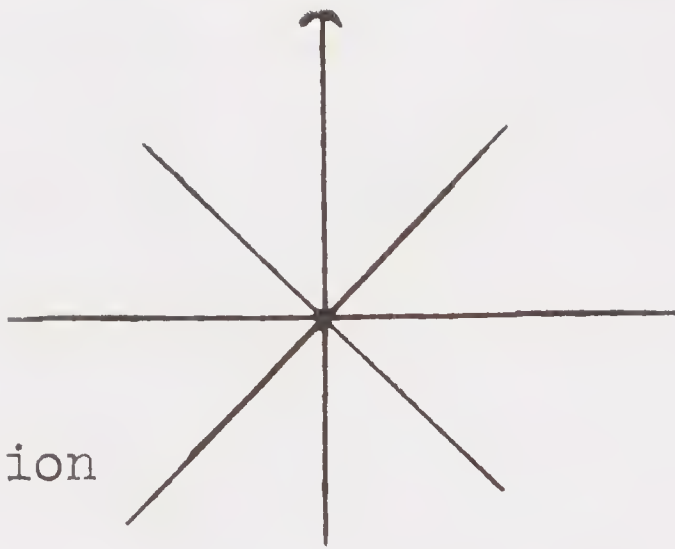
OBSERVERS:

American
Huber

Date 10 Sept 1968
Pg.# 1

SPECIMEN
or

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
13 38					passed red buoy going outside SE channel
13 43	BLN	1	NW		Tran
13 44	BLN	20			searching flock
13 45	BLN	12	NW		Tran
13 46	BLN	16	-		sitting on water
13 47	WT	1	W		to Downed
13 49	BLN	1	W		T
13 51	BLN	3	E		T
13 53	BrN	1	E		T
13 56	BLN	2			sitting in water, flew E
13 59	WT	1	E		T
14 02	BrN	1	E		T
14 04	WT	1	E		T
14 04	BrN	1	E		T
14 19	BLN	1	E		T
14 21	BrN	5	E		T
14 22	WT	1	E		T
14 22	BrN	3	E		T
14 23	BLN	12	E		T
14 24	BrN	5	E		T
	BLN	4	E		T
14 25	BrN	1	E		T
14 28	WT	2	E		T
14 30	WT	1	W		T
14 35	WT	1	E		T
14 38	BLN	2			on water
14 39	WT	3	E		T
14 40	WT	1	W		T
14 42	WT	2	E		T



Ship
Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

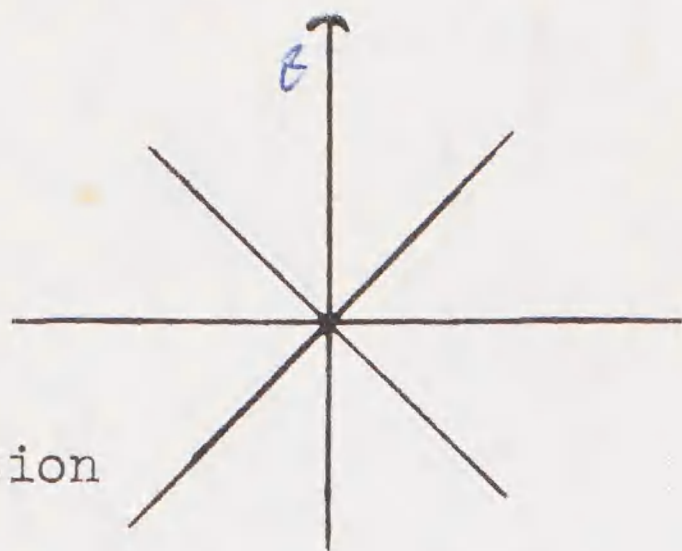
OBSERVERS:

Amerson
Huber

Date 10 Sept 1968
Pg.# 2

SPECIMEN
or

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
14 57	WT	1	w		T
15 09	BL N	1	nw		T
15 35	Shear	total			



Ship
Direction

SMITHSONIAN INSTITUTION
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OBSERVERS:

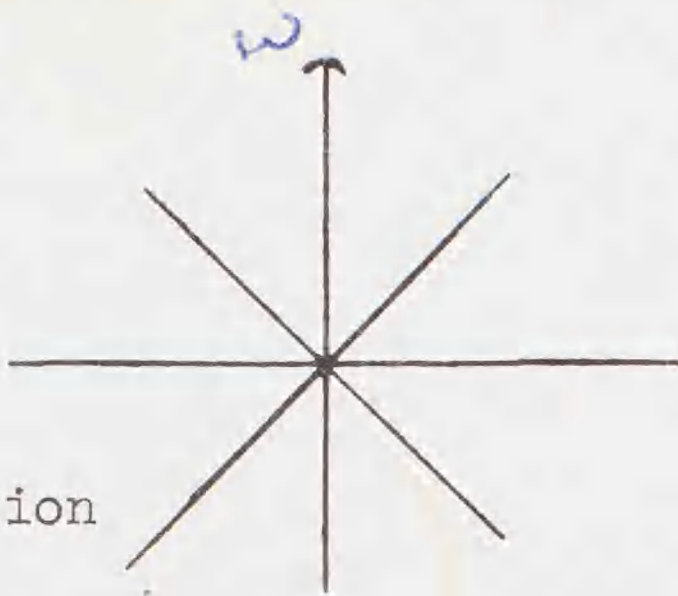
Amussen

Date 15 Oct 1968
Pg.# 1

SPECIMEN
or

TIME SPECIES # DIR. BAND NO. REMARKS

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
10 20	Start				1 mile east of channel between Dardanelles
10 23	BRN	1	SE		T
10 55	WT	1	E		F
11 06	RFB	1	E		S ad
	BRN	2			BRN
	WTS	1			wt phase
11 38	BRN	1	-		sitting on fish ball
11 56	WT	1	E		T
12 12	) Stop				
13 52					
14 25	WT	2	E		feeding
16 00	) down				
16 15					
19 00	Stop				



Ship
Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:

Amerson

Date 16 Oct 1968
Pg.# 1

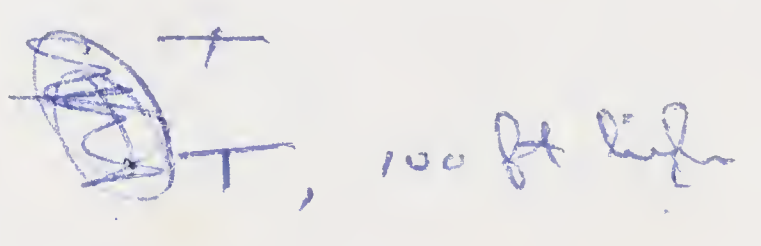
SPECIMEN
or

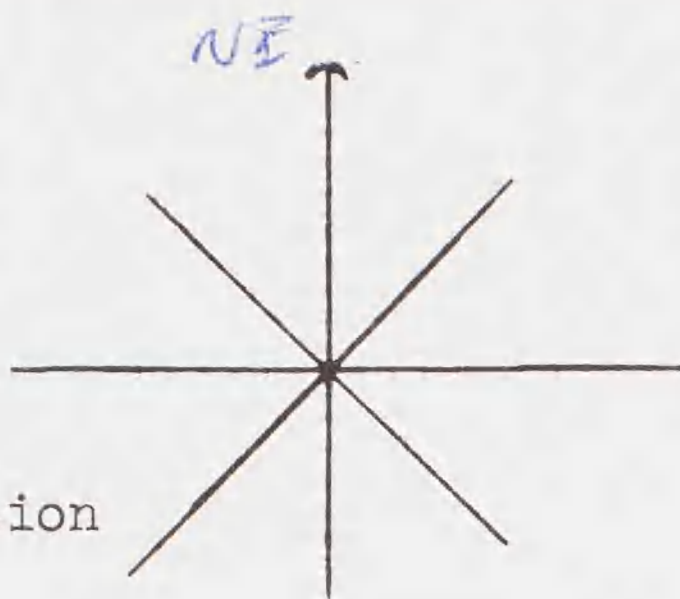
TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
07 50	Start				
08 25	WT S	1	N		Ad, Lp, S
08 27	RFB	1	SE		Im, T
09 38	Laccia SP	1	E		Black except for white wings (which curved out sides of body), tail slightly forked, feet black (not long), definite whitish wing bar; passed very close to ship; Searching
10 17	ST	2	E		T , ad
	RFB	1			Sad
	WT	1			
10 20	ST	8	E		T ad
10 23	RFB	1	SE		Sad, S
10 56	RFB	2	NE		1 ad, int phase; 1 subad, Lp; S
11 05	RFB	1	SE		Sad, S
11 08	) down				
11 27					
11 54	ST	2	E		T, ad
12 10	) break				
15 43	BL N	1	W		T
15 47	BL N	1	W		T
16 00	RFB	1	W		S ad Lp
16 10	) down				
16 40					
17 19	RTTB	1	NE		T, ad
17 20	RFB	1	W		⊙ S, SA left at 17 25
17 37	Sooty Shear	1	N		T all dark
18 08	Tern	8	W		T distant
18 13	RFB	1	W		S Im
18 29	Bul Pet	1	NE		S

18 45 BLN 1 NW

18 46 Golden Box 2 SW

19 00 — Stop





Ship
Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:

Amerson

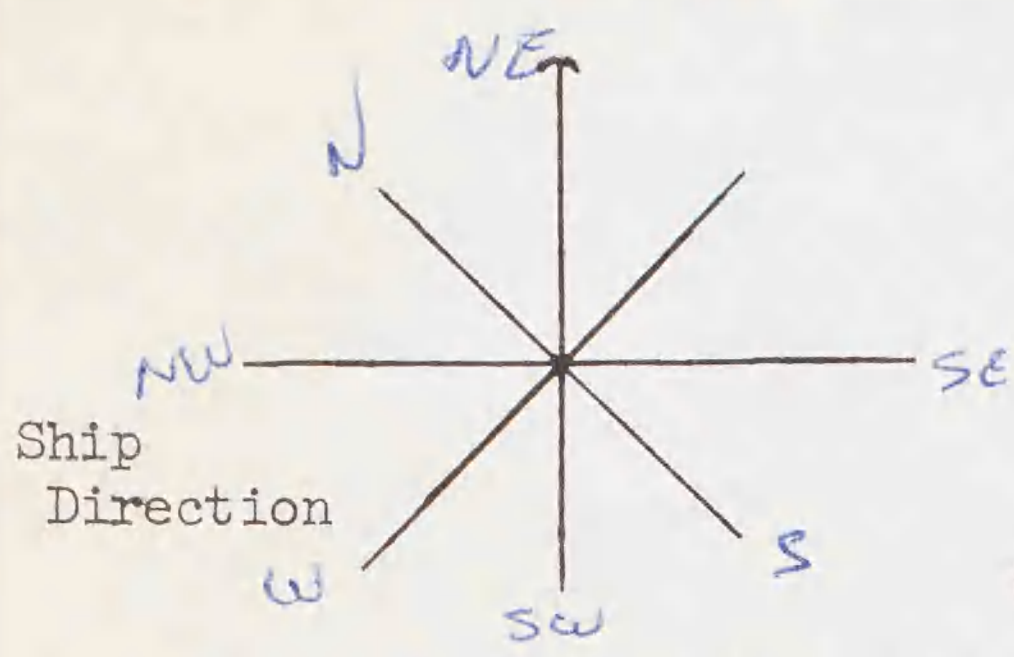
Date 19 Oct
Pg.# 1

SPECIMEN
or

TIME SPECIES # DIR. BAND NO. REMARKS

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
07 55	start				
08 28	GP	1	E		T flew over ship then low over water
08 35	Shearwater	1	NW		all dark, S
10 55	) chow				
11 07					
11 08	GP	1	NE		T, flew over ship, then low over water
11 46	S. P. 7 SE Shi	2	N		T all dark, eye
11 49	BLN	2	N		S
11 49	Br B	1	S		S, ad
	BLN Br N WT ST RFB BB RTTB				
14 28	BLN	2	S		T
14 34	Loach SP	1	E		white wings, could not see feet. S
14 44	BLN	2	SE		T
15 12	BLN	4	SE		
15 30	BLN	3	N		S
	WT	1			
15 33	BLN	1	N		T
15 33	BLN	1	N		T
15 38	BLN	2	E		S
15 38	WT	1	SE		T
15 45	) chow				
16 05					
16 07	RFB	1	W		S, SA
16 25	GP	6	E		T, low
17 10	RFB	1	W		S, ad darkly here
	WT	3			S
17 11	stop				

OBSERVERS: Amerson



SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

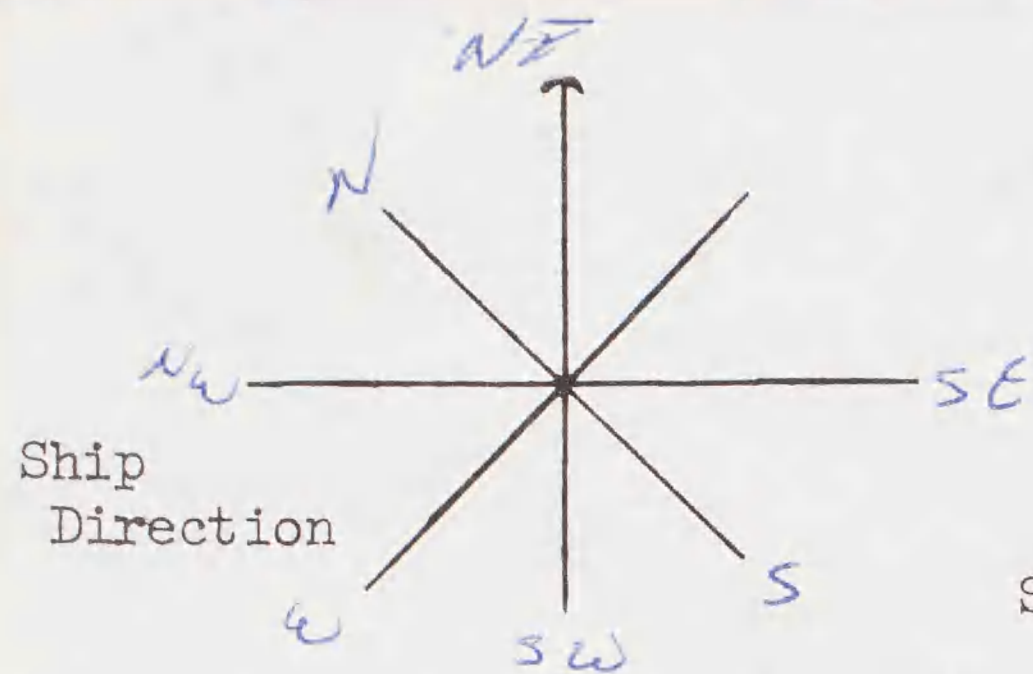
Date 21 Oct 1968
Pg.# 1

TIME	SPECIES	#	DIR.	SPECIMEN or BAND NO.	REMARKS
07 45	Start				
08 23	S-SBS	1	SE		Tall dark, arching, large, very fast
08 27	SBS	1	SE		def. silver wing lining, low arc, T
08 37	WTS	2	SW		S, lg
08 45	WTS	1	E		S, lg
08 50	ST	24	SE		S 30 ad, 4 im 18 ad, 6 im
	WTS	6			lg
	JFP	4			
09 35	S-SBS	1	NE		appeared to have gotten up from water
09 55	Bul P	1	NE		S
10 35	ST	4	NW		T, ad
11 20	GP	1	S		T, circled ship, about 30 ft high
11 48	RTTB	1	SE		T ad headed East at 11 54, hit on water ^{last seen} 11 56
11 53	S-SBS	1	SE		T, all dark
12 21	Bul P	2	SE		S, 2 miles from edge of rain squall
12 27	S-SBS	1	SE		T all dark
12 30	Bon Type?	1	SE		S, high arc
12 37	Tail P	1	SE		S
12 45	SBS	1	S		T, low arc
13 25	Leads SP	1	NW		S, no yellow feet
15 02	JFP	1	NW		S
15 21	JFP	1	SE		S
15 55	chow				
16 21					
16 31	SBS	1	SE		S, silver wing lining.
16 55	ST	1	W		T, ad 200 ft high
17 10	ST	34	SE		30 ad, 4 im, 4 miles from rain front
	WTS	148			feeding over small fish
17 10	GP	1	SE		T, 20-30 ft high
17 18 over	Phon-Tail P	1	E		S

1736 BFB 1 NW T, ad
.808 Stop

OBSERVERS:

Amerson


 SMITHSONIAN INSTITUTION
 DIVISION OF BIRDS
 AT SEA DAILY LOG - E

 Date 22 Oct 1968
 Pg. # 1

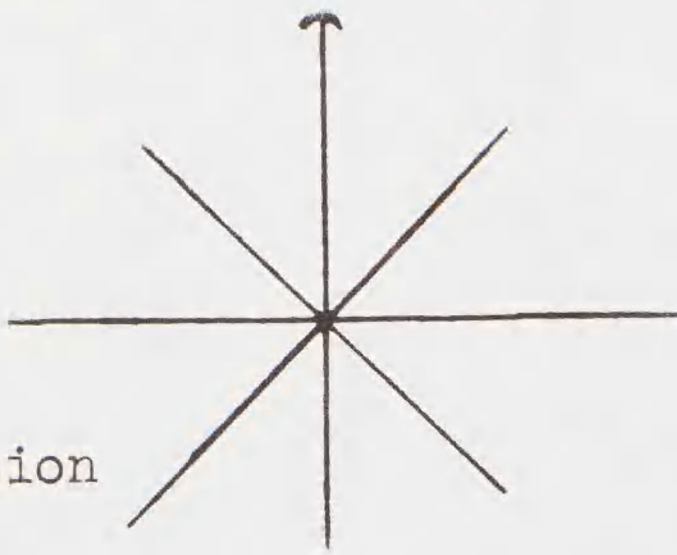
 SPECIMEN
 or

TIME SPECIES # DIR. BAND NO. REMARKS

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
07 14	Start				
07 23	SBS	2	SE		T all dark
07 48	S-SBS	30	SE		T all dark
08 04	JFP	1	S		T all dark
08 05	S-SBS	8	SE		S
08 17	S-SBS	6	SE		T
08 19	Bul P	1	S		S
08 19	S-SB	1	SE		T all dark
08 22	S-SB	18	SE		T all dark
08 25	JFP	1	S		S
08 30	JFP	2	S		S
08 33	RTTB	1	?		S, S od
08 45	JFP	1	NW		S
08 48	S-SBS	19	SE		T all dark
08 58	WTS	5	NW		S, lg
09 13	S-SBS	40	SE		T, all dark
09 32	WTS	4	W		S, lg
10 45	Cooks P	1	NE		S
10 55	chow				
11 20					
11 23	S-SBS	12	SE		T
11 28	S-SBS	2	SE		T
11 31	SBS	24	SE		T
11 49	S-SBS	5	SE		T
13 00	break				
14 20					
14 44	Bul Pet	1	NE		S all dark, hit distant
14 58	Bul P	1	SE		S edge of rain squall
15 24	G F	1	SW		S adult male
15 38	Bird	1	S		S white, very distant
15 49	S-SBS	6	SE		T
15 53	JFP	1	S		S
16 04	chow				
16 27					
Over					

1741 sunset

1633	Bird	1	S	S, white underparts
1638	JFP	1	SE	S
1648	WTS	1	S	S lg
1714	SBS	34	SE	T
1718	SBS	24	SE	T
1747	SSBS	1	SE	T
1800	Stog			



Ship
Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:

AMERSON

Date 23 Oct 68
Pg.# 1

SPECIMEN

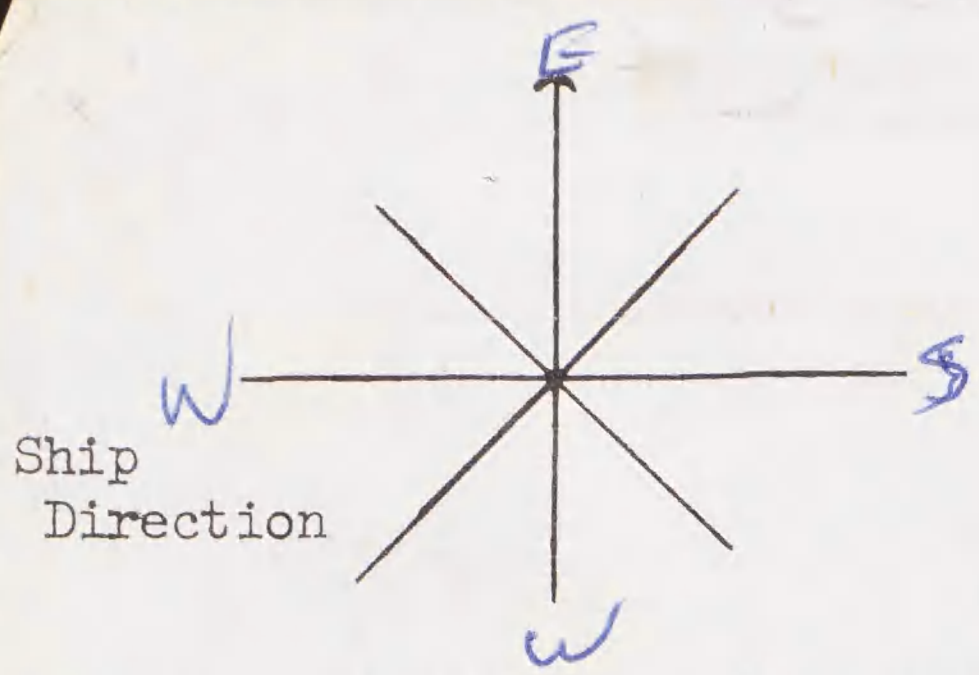
or

TIME SPECIES # DIR. BAND NO. REMARKS

06	30	Start				
07	08	) chow				
07	50					
08	04	WTS	2	N		S, lg
09	26	S-SBS	1	S		T
09	31	WTS	1	NE		S, lg
09	46	Bonapet?	1	W		S
10	24	S-SBS	4	SE		T
11	05	) chow				
11	18					
11	33	Bird	1	?		?
12	05	) break				
13	20					
13	43	RTTB	1	E		ad
14	02	WTS	1	S		S, lg
14	05	JFP	1	E		
14	13	ST	4	SE		ad all reaching
		WTS	1			lg
		GF	1			Sad
14	22	Bon Pet?	2	S		S
14	23	JFP	1	W		E
14	30	) break				
15	06					
15	15	JFP	1	SE		
15	15	Bon P tipo?	1	E		S
15	46	) chow				
16	02					
16	09	Shear/Pet	1	S		S distant, white fe underparts
16	34	WTS	1	S		S lg
16	36	WTS	1	S		S lg
16	38	WTS	1	SE		S lg
16	40	ST	3	S		T 2 ad, 1 Im
		over				

OBSERVERS:

Amerson



SMITHSONIAN INSTITUTION
 DIVISION OF BIRDS
 AT SEA DAILY LOG - E

Date 24 Oct 68
 Pg.# 1

SPECIMEN
 or

TIME SPECIES # DIR. BAND NO. REMARKS

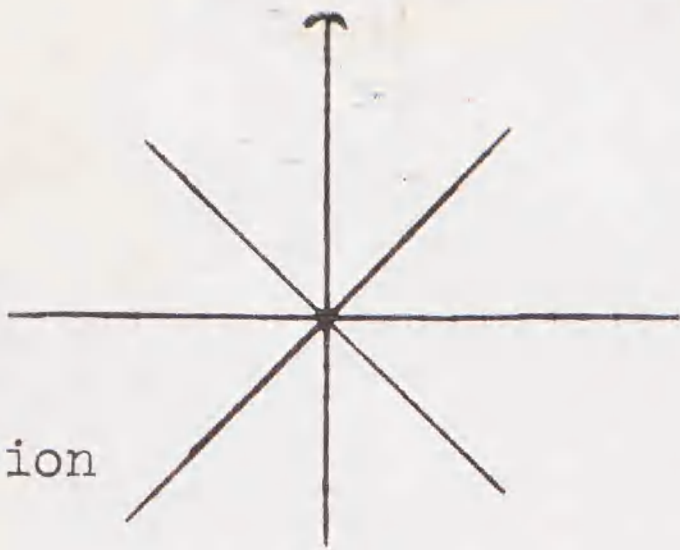
TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
06 05	Start				
06 24	JFP	1	S		S
06 56	ST	2	E		T
07 05	Bird	1	S		S all dark, distant
07 10)	chow				
07 35)					
08 33	JFP	1	E		⊙
08 52	Bonin P type	2	W		⊙
08 59	S-SBS	18	SE		T
09 11	S-SBS	6	SE		T
10 09	JFP	1	E		S
11 00)	chow				
11 15)					
13 39	ST	1 1	SE		T ad
14 01	SBS	45 45	SE SE		T
14 43	WTS	1	E		S, lg
14 52	WTS	2	E		S, lg
15 10	WTS	1	E		S, lg
15 15	WTS	1	N		S, lg
15 19	Bon P	1	W		S
15 32	BLN	1	E		S
15 52	Shear/Pet	1	SE		S Distant, white underparts
15 55)	chow				
16 07)					
16 52	WTS	1	W		S lg
16 53	WTS	2	E		S lg
17 20	STOP				

2716

2182 *
 2638

WJ2709

1705 Sunset



Ship
Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E


OBSERVERS:

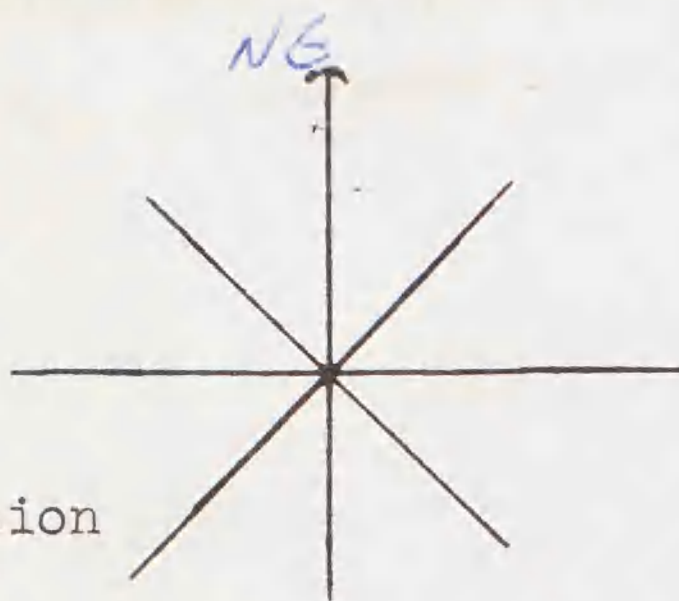
Amerson

Date 25 Oct 68
Pg.# 1

SPECIMEN
or

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
07 30	Start				
07 36	Bind	1	W		
07 42	JFP	1	E		S
07 42	WTS	1	W		S lyp
07 54	WTS	10 ± 10%	W		S lyp
08 01	GF	1	W		T ad. male
08 04	Bon P	1	E		S
08 43	WTTB	1	E		T, ad
08 45	S-SBS	8	SW		T
08 59	WTS	1	SE		S
09 07	RTTB	1	NE		T ad
09 15	S-SBS	11	SE		T
09 20	BLWP	1	E		S
09 22	RTTB	1	NE		T ad
09 38	Bind	1	SE		T white
09 44	GF	2	W		S, SAd
09 50	GF	1	W	Ad ♀	feeding on flying fish
10 06	WTS	1	S		S lyp
10 08	RFB	1	NW		S ad lyp
10 25	WTS	1	SE		S lyp
10 48	Chow				
11 12					
11 15	ST	2	S		T ad
	BrN	1			
11 31	WTS	1	N		S lyp
11 46	BB	1	N		
12 00	GF	1	E		C - In, lit on water, flew again 1216
12 12	GF	1	E		T ad male
12 20	lft JI				ff sea buoy JI; C124 took off birds on sand I.
13 20	GF	1	W		took off - GF (about 75 ± 5%)
13 25	Bon P	1	NE		S, SAd
13 38	WTS	1	NW		S
	over				S lyp

1352	JFP	1	NE	S	distant
1356	WTS	1	NE	S	ly
1358	SBS	3	SE	T	silver wing lining
1403	SBS	60±5%	S	T	" " "
1450	JFP	1	N	S	
1509	Whale	2	S		brownish gray, 20ft 
1512	BlWP	1	NE	S	
1521	BlWP	1	E	S	
1541	SBS	3	SE	T	silver wing lining
1543	WTS	1	NE	S	ly
1551	) down				
1614					
1618	WTS	1	E	S	ly
1648	Bird	1	W	S	whitish
1745	GF	1	SW	T	ad male
1746	<hr/> Sunset				
1800	Stop				



Ship
Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:

AMERSON

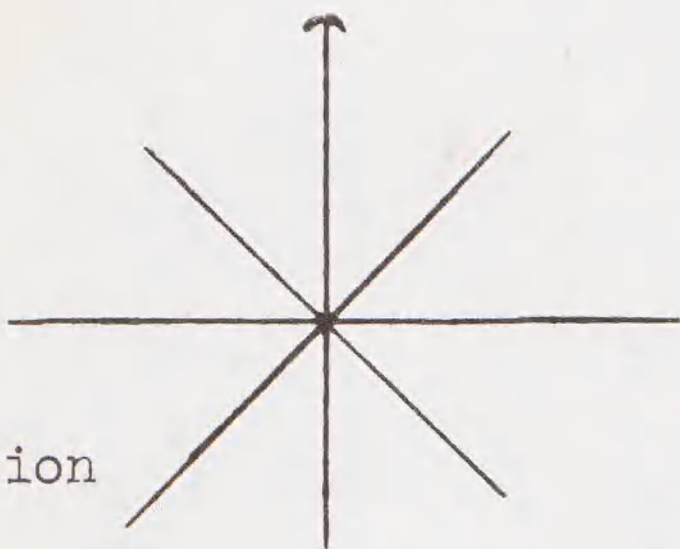
Date 26 Oct 1968
Pg.# 1

SPECIMEN
or

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
08 00	Start				
08 01	WTS	1	NE		
08 20	WTS	1	NE		S, sp
08 22	WTS	2	NE		S, sp
08 25	WTS	1	E		S, sp
	JFP	1			
08 34	WTS	1	SE		S, sp
08 35	WTS	1	N		S, sp
08 43	Blwp	1	W		S
08 55	Blwp	1	NW		S
08 59	Blwp	1	NW		S
09 23	Blwp	1	NW		S
09 35	Blwp	1	W		S
09 56	Blwp	1	NW		S
10 06	Blwp	1	E		S
10 35	JFP	1	NE		S
	WTS	2			S, sp
10 39	Blwp	1	SE		S
10 44	Shear/Pet	1	SE		S distant, in sunlight glass
11 11	Blwp	1	NE		S
11 15	Blwp	1	NW		S
11 30	break				
11 45	break				
12 08	Blwp	2	NE		S
12 38	Blwp	2	NE		S
12 40	JFP	1	E		S
12 53	Blwp	1	SW		S
13 02	WTS	1	SE		S, sp
13 05	Blwp	2	NE		S
13 29	WTS	1	NE		S, sp
13 38	Leach's Pet	1	W		S
14 01	Shear/Pet	1	SE		S distant
14 04	Blwp	1	NW		S
14 07	WTS	1	NE		S, sp
	JFP	1			S
14 35	Blwp	1	E		S
14 42	Blwp	1	NE		S
14 48	WTS	1	W		S, sp
	OVER				

1505	BlWP	1	NE	S
1508	JFP	1	E	got up off water
1512	RTTB	1	SE	sitting on water, flew upon approach of ship; adult
1525	WTS	4	NE	feeding, by
	Sooty Tern	5		at , at , at

1529	BlWP	2	NE	S
1539	JFP	1	NE	S
1545	) chow			
1600				
1635	WT	1	NE	S
1637	WTS	1	NE	S, by
1649	BlWP	1	N	S
1703	WTS	1	N	S, by
1705	BlWP	1	E	S
1740	stop			



Ship
Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:

Amerson

Date 27 Oct 1968
Pg.# 1

SPECIMEN
or

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
07 30	Start				
07 31	WT	1	NE		S
07 33	WTS	1	E		S <i>ly</i>
07 36	WTS	2	W		S <i>ly</i>
07 37	WTS	2	W		S <i>ly</i>
07 38	WTS	1	W		S <i>ly</i>
07 39	WTS	1	SE		S <i>ly</i>
07 40	WTS	2	SE		S <i>ly</i>
07 40	WTS	1	SE		S <i>ly</i>
07 42	WTS	1	SW		S <i>ly</i>
07 43)	break				
07 48)					
07 51	WTS	1	W		S <i>ly</i>
08 05	Tem	1	SE		T
08 07	WTS	1	W		S <i>ly</i>
08 09	WTTB	2	N		C ad, last seen 0824
08 10	WTS	1	W		S <i>ly</i>
08 17	WTS	1	NE		S <i>ly</i>
08 54	Shear/Pet	1	E		S
09 02	WTS	1	E		S <i>ly</i>
09 09	WTS	7	SE		S <i>ly</i>
09 10	WTS	1	N		S <i>ly</i>
09 11	WTS	1	SE		S <i>ly</i>
09 12	JFP	1	SE		S
09 20	WTS	1	N		S <i>ly</i>
09 26	JFP	1	NW		S
09 30	WTS	1	N		S <i>ly</i>
09 31	Shear/Pet	1	SW		S
09 35	WTS	1	W		S <i>ly</i>
09 50	WTS	1	SE		S <i>ly</i>
09 51	WTS	1	E		S <i>ly</i>
09 53	WTS	1	E		S <i>ly</i>
09 59	WTS	1	SW		S <i>ly</i>
10 01	B-N	3	NE		S
	WT	1			S
	WTS	5			S <i>ly</i>
10 04	WTS	1	SW		S <i>ly</i>
	OVER				

10 06	WTS	1	S	S lyp
10 08	Br N	1	NE	S
10 10	WTS	1	NE	S lyp
10 16	JFP	1	SE	S
10 38	WTS	1	SE	S lyp
10 40	WTS	1	SW	S lyp
10 46	WTS	1	S	S lyp
10 50	S-SBS	2	S	T
10 58	WTS	2	W	S lyp
11 00	) down			
11 55	) down			
11 55	ST	5	NE	T ad
11 55	WT	1	E	T
12 00	Bl w P	1	NE	S
12 09	WTS	1	W	S lyp
12 51	WTS	1	W	S lyp
13 10	WT	1	NW	T
13 11	Bl w P	1	NE	S
13 18	WTS	1	NE	S lyp
13 21	WTTB	1	NE	sitting on water, flew on approach of lyp
13 23	Bl w P	1	E	S
13 25	WTS	1	NE	S lyp
13 40	Newell's	1	S	S
13 46	Bg N	1	NE	T
13 50	WTS	1	NE	S lyp
13 56	WTS	1	NE	S lyp
14 06	Bl w P	1	W	S
14 16	ST	16	NE	Searching, flocks
	WT	1		
	WTS	5		S lyp
	Leader SP	1		
14 37	WTS	1	SW	S lyp
14 38	Shear/Pet	1	SW	S
14 39	WTS	1	S	S lyp
14 42	WTS	1	SW	S lyp
14 46	WTS	1	NE	S lyp
14 51	WTTB	1	NE	C ad, followed flocks, down behind slings till 1458
15 07	WTS	1	S	S lyp
15 15	CIS	1	SE	S
15 15	Leader	1	SE	S
15 17	WTS	1	NE	S lyp
15 26	Bl w P	1	NE	S
15 30	WTS	1	E	S lyp



Ship
Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:

Amerson

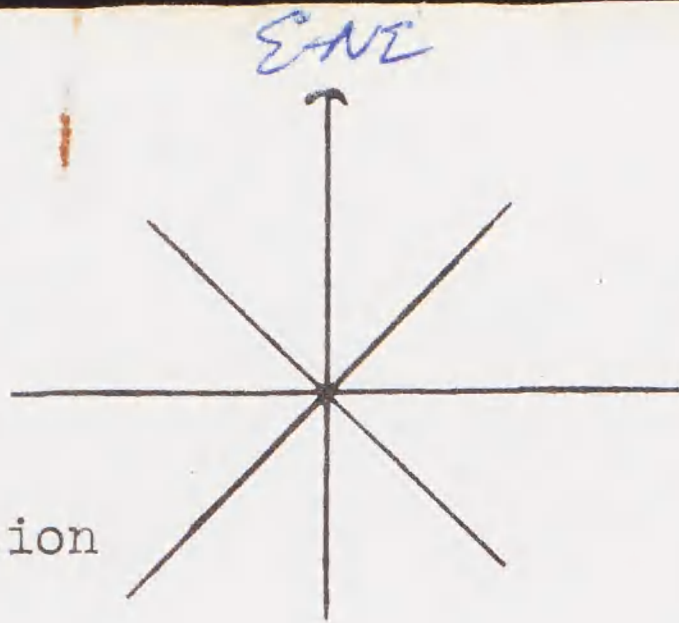
Date 27 Oct 1967
Pg.# 2

SPECIMEN
or

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
15 35	BlWP	1	NE		S
15 48	WTS	1	NW		S, lg.
15 56	BlWP	1	N		S
15 57	LeachP	1	N		S
16 03	NewellP	1	NW		S
16 03	LeachP	1	NE		S
16 06	WTS	1	SE		S lg
16 08	WTTB	1	S		S ad
16 17	WTS	1	W		S lg
16 40	WTS	1	NW		S lg
16 45	WTS	4	NW		S lg
16 49	ST	12	NW		feeding, ad
	WTS	5			lg
	WTTB	1			ad
17 03	WTS	2	NE		S lg
17 03	WTS	2	NE		S lg
17 07	WTS	1	NE		S lg
17 08	WTS	2	N		S lg
17 10	WTS	35+5	N		feeding, lg
17 20	WTS	1	NE		S lg
17 20	WTS	1	NE		S lg
17 25	Stop				

} fish caught over board
~~yellow fish~~ 20 lb.

Mackerel or Wahoo



Ship
Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:

L Huber

Date
Pg.#

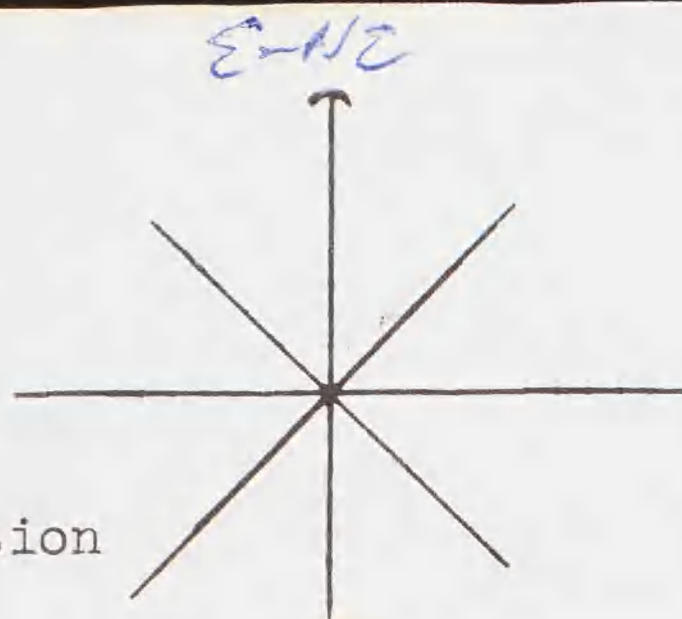
20 Aug 68
1

SPECIMEN
or

TIME SPECIES # DIR. BAND NO. REMARKS

07	00	sunrise	start watch		
07	43	Bulwer's	1	SW	
09	26	G. Plover	1	⊙	
09	47	Leach's Pasp	1	S	
10	03	RFB	1	⊙	imm
10	45	RFB	1	NW	imm
11	30	Leach stop watch			
15	30	start watch			
18	30	sunset stop watch			

poor visibility all day.
very dark + cloudy all day



71

OBSERVERS:

L. Huber

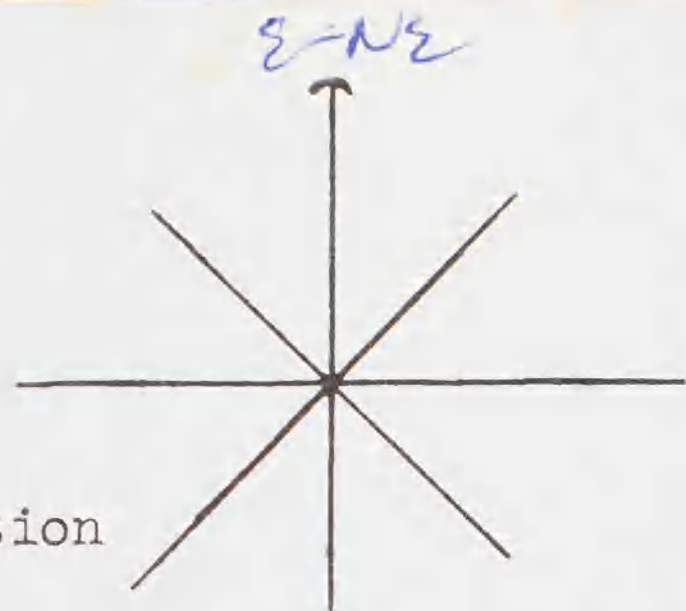
SMITHSONIAN INSTITUTION
 DIVISION OF BIRDS
 AT SEA DAILY LOG - E

Ship
 Direction

Date 21 Oct 68
 Pg.# 1

SPECIMEN
 or

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
06 41	Sunrise				start watch
07 55	porpoise	4(?)			no description as it is dark + seas are very rough
09 00	WTS	2	NE		W Phase
09 13	W. Tern	6	⊙		
10 00	Stop watch				
13 45	Start				watch says a small white bird flew by about 1/2 hour ago.
13 58	RFB	1	N		Ad dark wings + neck + shoulder, white lower back rump + tail + underside of body.
14 10	Brown B.	1	SSE		Ad
14 20	RFB	2	SSE		Ad 1 white phase, one with dark wings + shoulder rest white
	Brown B	1	SSE		Ad
14 36	Sooty Tern	5	S		Ad
	W. Tern	2			Ad
	B. Booby	3			Ad
	RFB	5			Ad 1 WP 4 intermediate
					} searching flocks
15 56	Bulwer's LP	1	NE		
16 55	WTS	2	N		WP
16 55	Shear Pet	1	N		far out. WTS or J. Fernandez petrel type.
17 30	WTS	1	SSE		WP
	Bulwer's P	1			
	Shear Pet	1			WTS or JF Petrel type
	RFB	5			1 WP 4 intermediate
	WT	15			
	Sooty Tern	15			Ad
17 45	Bulwer's LP	1	E-NE		
18 25	sunset				stop watch



Ship
Direction

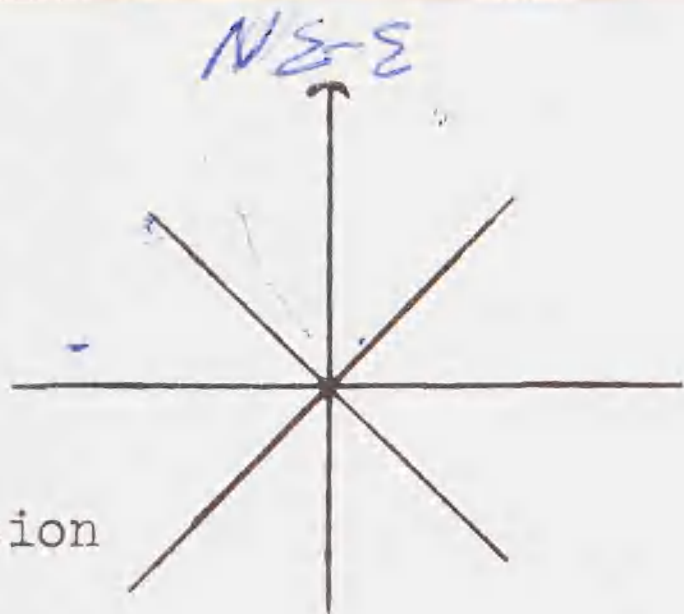
SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:
2 Huber

Date 22 Oct, 68
Pg.# 1

SPECIMEN
or

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
06 29	Snowbird	start			
06 31	RFB	1	☉		Ad imm intermediate
10 30	RTTB	3			on H ₂ O, two sitting together and one about 60' away. The single took off and circled the two three times and landed again about 60' away. all appear to be adults but very far off. Ad: for all that means
11 45	WRS Petrel	1	ENE		leach type way out
12 30					
12 30	swift	1	☉		following ship coll LNH # 90861
13 32	RTTB	1	☉		Ad. circling ship
13 58	S. Plover	1	☉		circling ship.
14 15	RFB	2	N		Ad WP + intermediate, about 5 minutes later landed on H ₂ O about 60' apart and sat there.
15 04	RFB	2	ENE		Ad intermediate
15 40	RTTB	1	☉		Ad
15 45	S. Plover	1	☉		
16 10	RTTB	1	☉		Ad
16 20	Bulwersp	1	N		
16 37	White Birds	2			way out White Tern?
16 50	stop for supper				
17 05	start				
17 58	RFB	1	NE		imm
18 10	swift	stop			



Ship
Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:

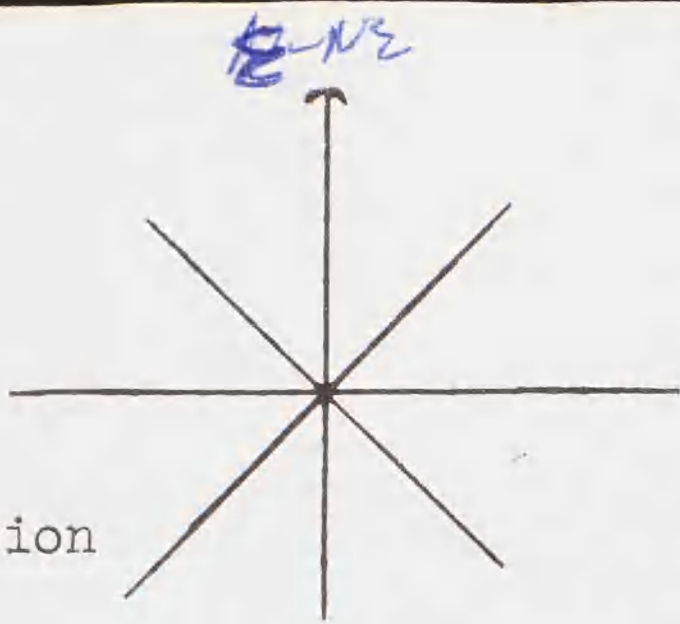
L. Huber

Date 23 Oct 68
Pg.# 1

SPECIMEN
or

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
06 16	Sunrise				
06 30	Start watch				
07 14	Ruddy Turnstone	1	⊙		
08 45	stop				
10 30	Start				
10 35	JFP	1	NW		
11 00	stop lunch				
11 45	start				
12 15	WTS	1	S		WP
	petrel	1	S		JFP - BWB
13 10	Shearwater	1	S		
13 55	petrel	1	N		JFP - BWB
14 17	petrel	1	S		" "
14 20	Slenderbill	50	S		
14 28	RITB	1	⊙		No red tail feathers, ad. (seemingly)
14 30	Petrel	1	N		JFP - BWB
15 30	JFP	3	S		
15 34	JFP	15	⊙		Seemingly headed north but ? circling a lot
	WTS	3	⊙		
	BWB	5	⊙		
	WNP	1	⊙		
	Sooty Tern	12	⊙		
16 30	JFP	2	N		1 immature red ad.
17 52	Sunset				Stop watch

1200
50
1250



Ship
Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

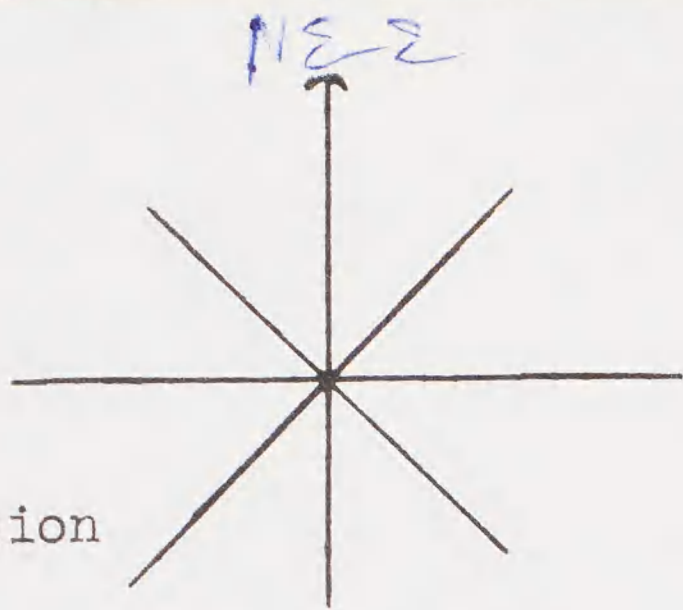
OBSERVERS:

L Huber

Date 29 Oct 68
Pg.# 1

SPECIMEN
or

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
06 03	sunrise	start			
06 40	G. Plover	1			heard but not seen.
07 05	JFP	1	S		
07 20	RFB	1	⊙		imm.
08 30	stop				
12 10	start				
12 30	petrel	1	N		G. Plover flew about about 20 mi ago. flew JFP - BWP's
13 05	WRSP	1	ENE		
13 15	stop				
15 15	start				
16 05	Shear-pet	1	S		JFP - BWP - WTS kept over night released next day
16 15	Br Noddy	1			imm flew about
16 20	WTS	1	S		wp
16 28	WTS	2	S		wp
16 32	WTS	1	S		wp
16 34	WTS	3	S		wp
	BWP	1	S		
16 37	WTS	1	S		wp
16 38	Shear-pet	1	S		white under - dark above
16 45	JFP	1	N		
16 46	JFP	1	S		
17 03	JFP	1	S		
17 15	WTS	1	S		wp
17 16	WTS	1	S		wp
17 30	stop watch				



Ship
Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

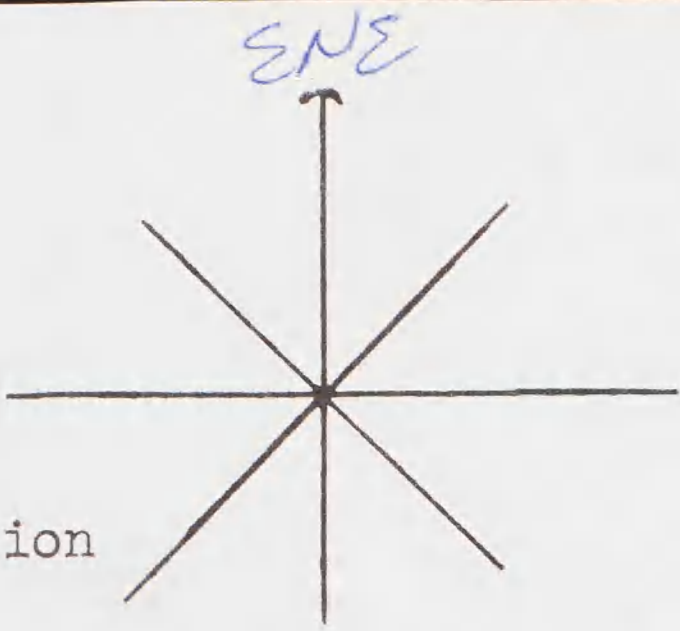
OBSERVERS:

~~Huber~~ L Huber

Date 25 Oct 68
Pg.# 1

SPECIMEN
or

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
11 45	Stopwatch				
11 45	WTS	2	⊙		up
11 48	BWP	1	S		
13 50	BWP	1	S		
15 15	Stopwatch				



Ship
Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:

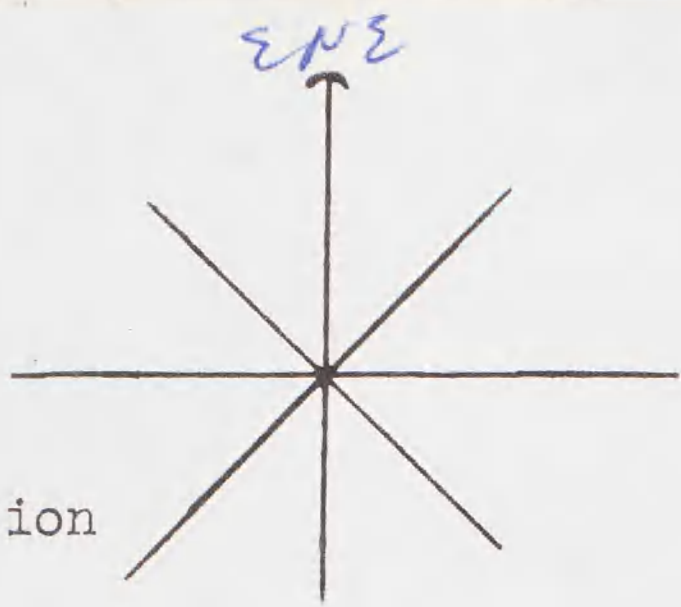
L. Huber

Date 26 Oct 68

Pg.# 1

SPECIMEN
or

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
12 00	start				0715 watch saw ♂ S.F. go by
12 40	WTS	2	ENE		wp
12 41	Bobbs	1	S		
14 12	JFP	1	S		
14 17	JFP	1	N		
14 55	BWP	1	☉		
14 58	BWP	1	☉		
15 42	Sooty Shearwater	25	S		far out
16 05	BWP	1	N		
16 20	Shear-Pet	1	S		JFP-BWP
17 09	Sunset stop				



SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:

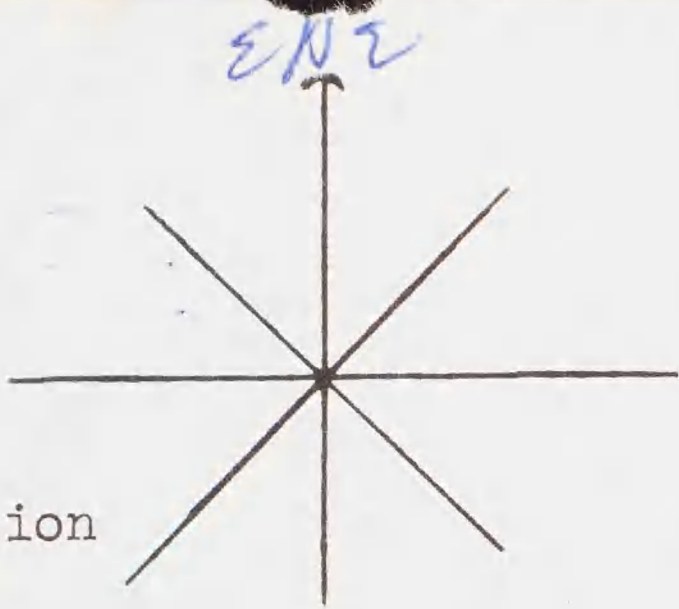
L. H. H. H.

Ship
Direction

SPECIMEN
or

Date 27 Oct 68
Pg.# 1

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
11 00	Start				Ship's watch says ¹⁰⁰⁰ a flock of about 15 sooty/leucy came by going S about an hour ago.
11 30	JFP WNP PMPs WTS	7 1 3 1.8	S		flock just milling around but drifting slowly south
11 42	BWP	2	N		
11 55	Shear-Pet	1	S		WTS - JFP
12 00	stop				
13 10	start				
13 20	JFP	1	S		
13 20	BWP	1	S		
14 00	WTS	3			NNE maybe
14 20	JFP	2	S		
14 35	BWP	1	N-NE		
15 00	stop				
16 30	Sooty/Shear-Pet	65+	S		



Ship
Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:

L. Huber

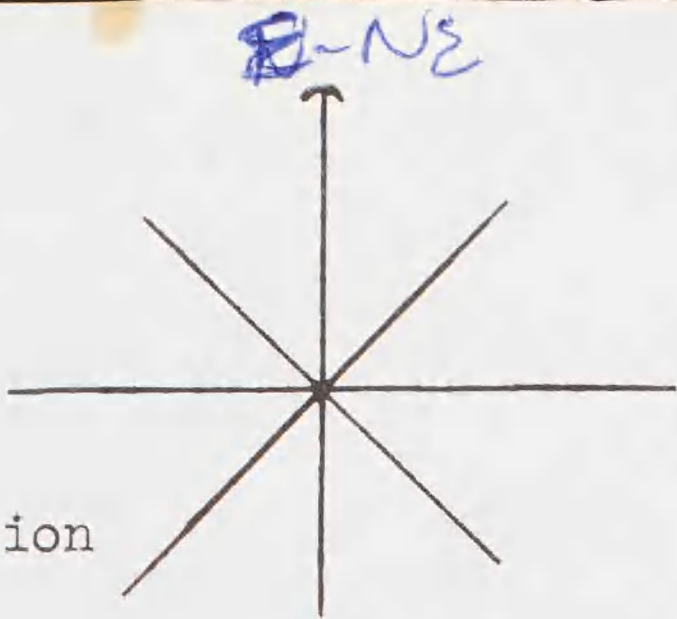
Date
Pg.#

28 Oct 68

1

SPECIMEN
or

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
12 00	start				
12 55	WTTB	1	NE		flying fast, direct + very low over water seen by watch
13 00	shear-pet	4	S		
13 42	WRSP	1	NE-E		
14 06	Sooty/Shearbird	18	S		making about 70' high arches (strong wind)
14 50	JPP-BWP	1			
15 58	WTS	1	S		wp
16 12	WTS	1	S		"
16 17	WTS	1	S		"
16 40	Shear-pet	1	S		JPP-BWP w under dark type
16 43	BWP	1	S		
16 55	Brown No2	1	S		
17 05	Shear-Pets	20			way out white under dark above,
17 15	JPP-BWP	1	S		
17 20	close watch				as usual visibility poor



Ship
Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:

LN Huber

Date

29 Oct 68

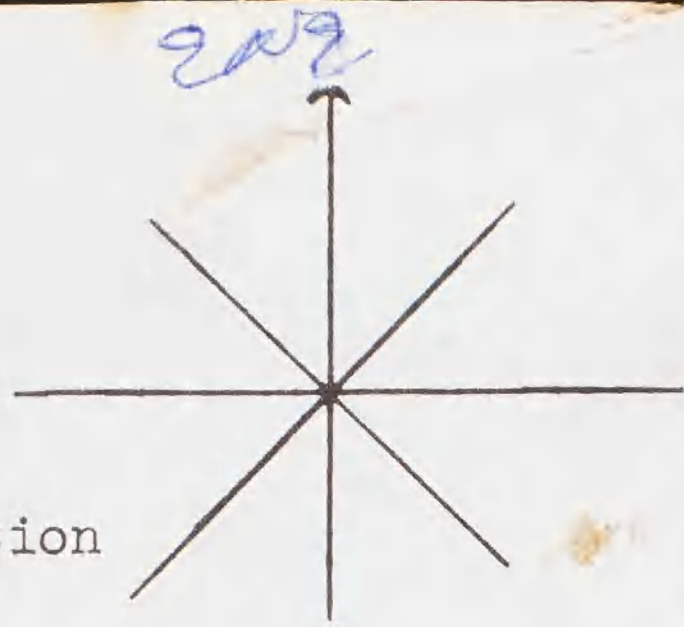
Pg.#

1

SPECIMEN
or

TIME SPECIES # DIR. BAND NO. REMARKS

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
09 50	WTS Br. Nod	35 8.	ENE ENE		S Flock WTS - WP + 1 Intermediate
10 05	WTS	3.	ENE		wp
10 12	BWP	1.	ENE		
10 17	WTS	5.	ENE		up - These have been swimming along surface for 30 min. During that time I have not observed them to flap their wings. The wind is 11 knots against them.
11 00	stye				
12 00	1130 start	1			imm jaeger during lunch? saw it at the port hole
12 14	WTS	1.	ENE		up
12 20	WTTB	1	ENE		AE
12 25	Shear Pet	1.	S		w under ^{grey} above
12 26	WTS	2	ENE		up
12 42	Sooty Tern WTS Shear pet	11 15 1.5	ENE " "		AE Scambling flock. w/under dark/above
13 20	WTS	1.	N		up
13 45	WNP	1.	S		
13 37	WTS	1	ENE		up
13 40	WTS Shear Pet white bird	40+ 40+ 1	ENE		feeding flock. some birds on H ₂ O mostly w/above dark/blow. stage of wedgetail
13 42	Frigate	1	ENE		imm
13 45	WTS	1	S		up
13 50	WTS	2	ENE		up
13 58	WTS Shear-Pet	25+ 150-	ENE		up
14 00	WTS	2	ENE		up
14 15	BWP	1	N		
14 17	WTS	1	ENE		up



SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:

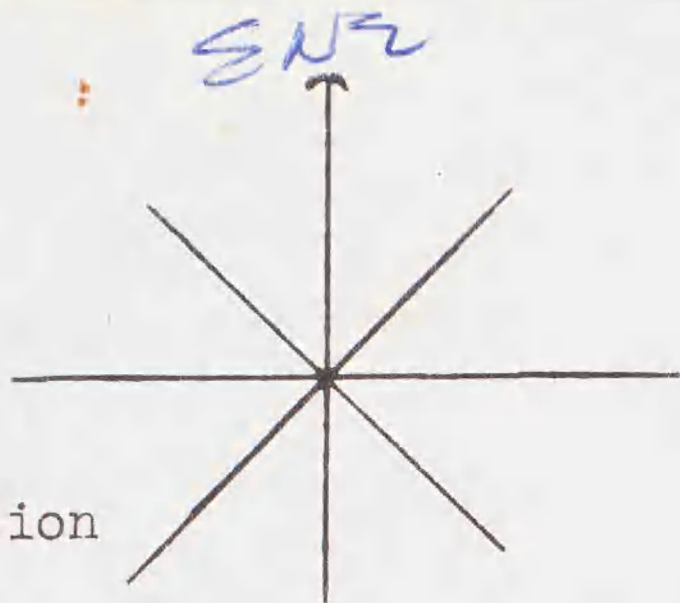
L. Heber

Date 29 Oct 68
Pg. # 2

SPECIMEN
or

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
14 20	WTS	8	⊙		feeding land fly found a few feet land, fly found a few feet
14 28	WTS	4	2W2		
14 35	Br. Nod	1	S		
15 05	WTS	200+	⊙		searching + feeding flock
	Sooty tern	15+	⊙		as many as 150 of the WTS sitting on H ₂ O
	White tern	2	⊙		at same time, keep changing positions
15 18	WTS	1	S		
15 28	BWP	1	NW		up
15 32	WNP	1	S		
16 00	Close watch.				

464



Ship
Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:

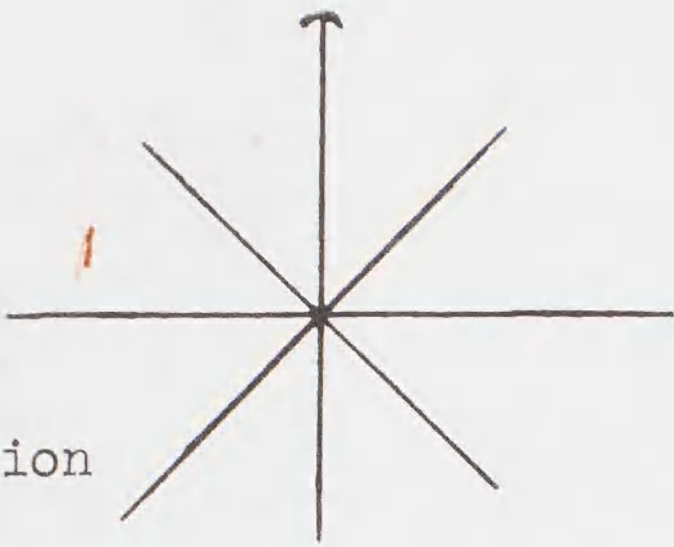
L. Hyman

Date 30 Oct 68
Pg.# 1

SPECIMEN
or

TIME SPECIES # DIR. BAND NO. REMARKS

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
12 00	start				
11 55	BF Albatross	1	N		
12 00	WTS	15	☉		up
12 05	Br Nod	4	NE		
12 10	BobP	2	N		
12 11	WTS	3	NE		up
12 14	RFB	1	NE		mostly white white but a few spots on back + scapulars
12 20	WTS	1	N		up
12 25	WTS	1	S		up
12 30	WRSP	1	NSE		
12 41	WTS	1	N		up
12 45	Br Nod	2	ENE		
12 47	Newell's Shear	1	N		sitting on H ₂ O then took off when ship came near
12 48	WTS	1	N		up
12 48	BobP	1	N		
12 48	JFP	1	S		
13 48	BobP	1			
13 48	Br Nod	1	ENE		
13 58	WTS	2	NE		
14 07	Br Nod	5	SW		1w + intermediate
14 30	WTS	1	NE		up } TF
14 30	stop				
17 30					
18 00	once in a while a WTS or Br Noddy no flocks				



Ship
Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:

Amickson

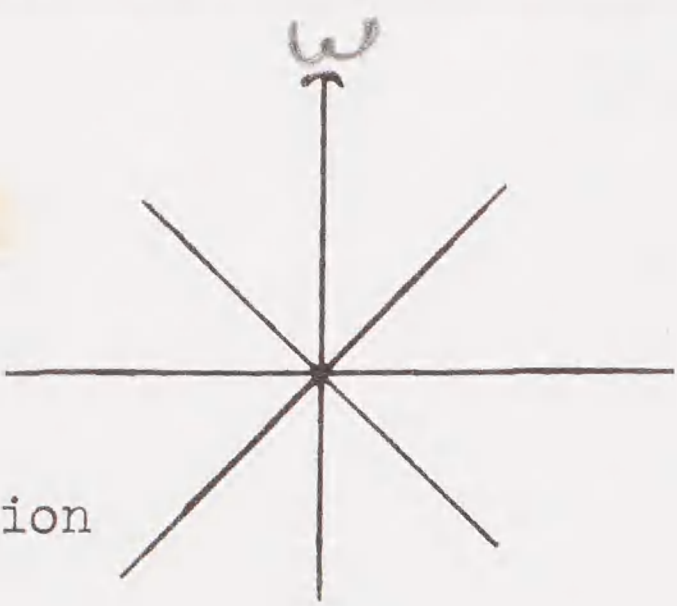
Date
Pg.#

27 July
1

SPECIMEN
or

TIME SPECIES # DIR. BAND NO. REMARKS

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
16 21	B+N	1	NE		Trov.
16 25	WTS	1	NE		Trov
16 39	WTTB	3	@		
	ST	1	NE		
17 04	WTTB	1	@		
17 12	Storm Pet	2	SW		all dark, searching
17 14	WTS	3	NE		search
	ST	1	NE		"
17 20	SBS-SS	2	N		Trov
17 28	NS	1	N		Trov
17 30	end watch				
18 40	start watch				
18 45	WTS	1	N		Trov
18 47	ST	1	N		Trov
18 50	Storm Pet	1	N		all black, searching
18 53	NS	1	N		searching
19 03	WTS	1	NW		searching
19 26	WTS	1	S		feeding
19 30	end watch				
19 34	WTS	1	NE		searching



Ship
Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

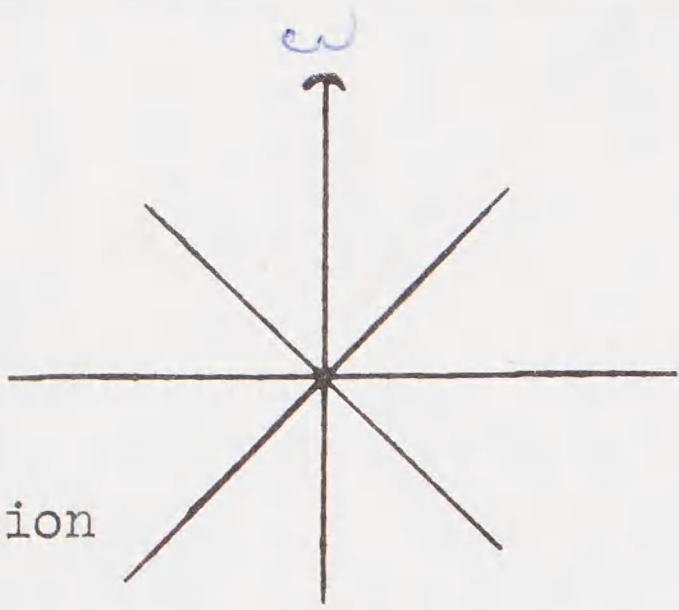
OBSERVERS:

Hyndes and
Hudson

Date 28 July
Pg.# 1

SPECIMEN
or

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
06 03	start				
06 04	WTS	1	S		S
06 08	Bul P	1	N		search
06 09	WTS	1	S		S
06 14	ST	1	S		S
06 14	WTS	1	S		S
06 15	Bul P	1	SE		near
06 16	RTTB	2	⊙		SE
06 21	ST	2	SE		
06 23	WTS	2	E		behind ship - wake
06 26	WTS	5	S		S
06 26	ST	1	S		S
06 26	B P	1	N		S
06 28	WTS	1	S		S
06 33	WTS	1	S		S
06 37	WTS	2	NE		S
06 37	ST	1	N		T over
06 40	ST	7	S		T over
06 40	Bul P	1	S		S
06 44	ST	14	S		T over
06 44	WTS	1	S		S
06 46	ST	7	S		T
06 48	ST	3	N		T
06 48	WTS	1	S		S
06 50	ST	6	S		T
06 51	ST	4	S		T
06 51	WTS	1	S		S
06 52	WTS	2	S		S
06 55	ST	27	S		feeding flock - ships disturbed them - flew south
	WTS	1			



Ship
Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

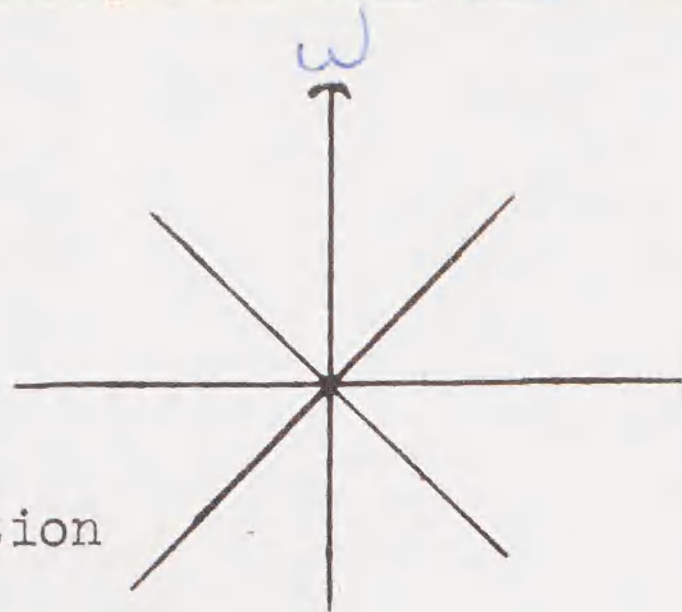
OBSERVERS:

Anderson
Huber

Date 28 July
Pg.# 2

SPECIMEN
or

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
06 58	WTS	1	S		S
06 58	ST	1	S		T
07 00	ST	2	S		T
07 00	WTS	1	S		S
07 00	ST	1	S		T
07 01	ST	3	S		T
07 03	WTS	1	S		S
07 03	ST	3	S		T
07 05	ST	3	S		T
07 06	WTS	2	S		S
07 10	ST	8	S		S
	WTS	2	S		S
07 10	breakfast				
07 35					
07 36	WTS	1	S		S
07 39	ST	1	N		
07 43	BFB	3	S		adult, Tron.
07 52	WTS	1	S		S
07 54	BFB	1	S		T, ad.
07 54	ST	3	S		T
07 56	ST	1	S		T
07 57	ST	1	S		T
08 01	ST	4	S		T
08 02	WTS	2	NW		S
08 02	ST	3	S		T
08 06	ST	2	S		T
	B+N	1			
08 07	WTS	1	S		T
08 10	WTS	1	S		S
08 10	ST	1	S		T



Ship
Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

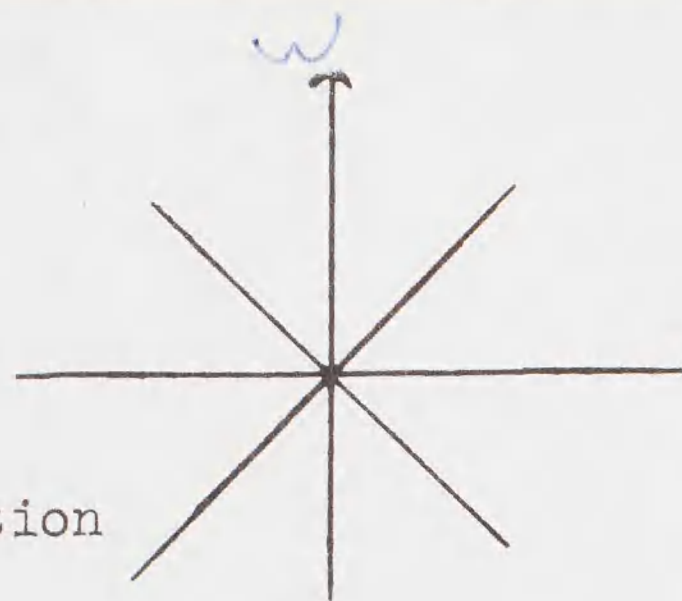
OBSERVERS:

Amesow

Date 28 July
Pg.# 3

SPECIMEN
or

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
08 12	ST	1	N		T
08 12	ST	2	S		T
08 13	ST	3	N		T
08 16	ST	2	C		T
08 19	WNP	1	NNE		T
08 20	ST	4	S		T
08 22	WTS	1	S		T
08 22	ST	1	S		T
08 29	WTS	1	N		T
08 31	GBT	7	S		T
	B+N	1			
	WTS	1			
08 35	BLP	1	N		S
08 37	ST	1	S		T
08 40	ST	2	W		T
08 40	RTTB	1	C		
08 41	ST	3	S		T
08 46	ST	2	S		T
08 46	BFB	1	S		T
08 46	WTS	1	S		S
08 49	RTTB	1	C		left W at 0911
08 56	WTS	1	S		S
09 02	WTS	9	-		sitting on water, one of these flying around (Lys)
09 04	RTTB	1	E		high
09 05	WTS	1	S		S
09 05	ST	1	S		T
	B+N	1			
09 11	ST	1	S		T



Ship
Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

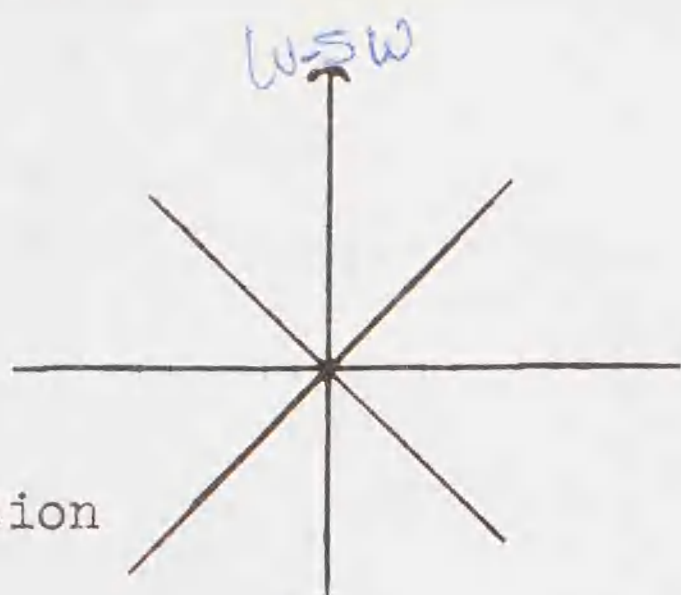
OBSERVERS:

Anderson

Date 28 July
Pg.# 4

SPECIMEN
or

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
09 19	ST	1	S		T
09 23	Bul p	1	N		S
09 30	ST	1	N		T
09 30	NS	1	N		S
09 38	ST	2	N		T
09 39	BGN	1	S		T
09 50	WTS	2	S		S
09 51	WTS	1	S		S
09 54	WTS	1	NE		S
10 00	WTS	1	S		S
10 03	WTS	10	S		feeding
	ST	30+			
	B-N	1			
10 13	ST	1	S		T
10 25	WTS	1	NW		S
10 31	ST	1	NE		T
10 31	NS	1	N		T
10 50	ST	1	S		T
11 11	GBT	1	S		S
11 12	ST	1	SE		T
11 16	ST	2	S		T
11 30	WTS	1	NE		T
11 30	ST	1	S		T
11 32	ST	3	S		T
11 40	ST	2	S		T
11 46	ST	1	NE		T
12 14	ST	1	NE		T
12 17	Bul Pet	1	N		S
12 20	ST	1	S		T
12 24	ST	1	S		T
12 25	Bul Pet	1	S		S
12 30	stops watch				



Ship
Direction

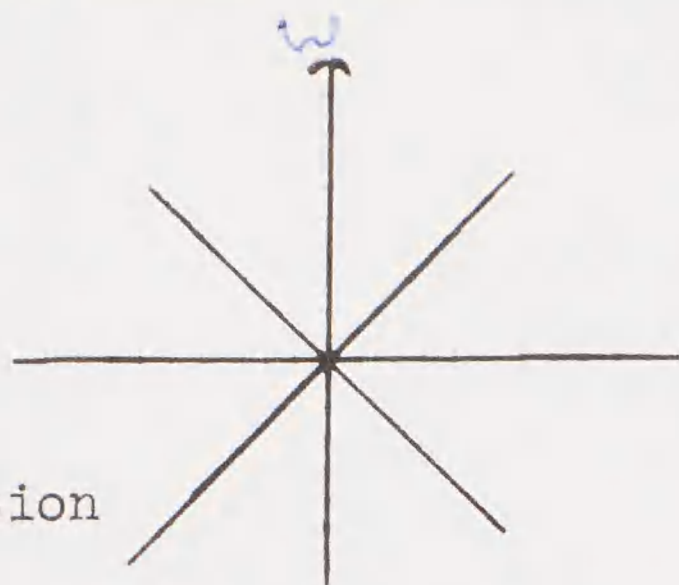
SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:

Huber
Amerson

Date 28 July
Pg.# 50

TIME	SPECIES	#	DIR.	SPECIMEN or BAND NO.	REMARKS
13 00	tropicbird sp	1	S-SE		seen by crew
13 10	WTS	1	SE		WP
13 11	F. Tern	2	NE		feeding + traveling
13 13	WTS	1	⊙		WP
13 15	F.T	2	N-NW		feeding + traveling
13 20	WTS	1	N-NW		WP
13 23	F.T.	1	SE		feeding + traveling
13 24	WTS	1	E		WP
13 34	Bulwers	1			sitting on water
13 47	FT	2	NE		feeding + traveling
13 53	FT	1	⊙		feeding
14 02	Shearwater	1	N		all dark, far from ship
14 12	WTS	2	⊙		WP
14 17	FT	1	N-NE		
14 25	FT	1	⊙		
14 28	WTS	2	⊙		WP
14 35	WTS	14			sitting on H ₂ O
14 36	WTS	65+			all light phase except one ^{Northern} dark phase, feeding
	S.T.	125+			scattered and a swirl of approx 90, no streamers
	Bulwers	1			sooty high approx 2000 feet, all adults, not feeding
	S. Frig	1			under cloud
14 47					♂ attracted to swirling flock of sooties
					wedge tails flying low over H ₂ O and then sharp turning back and falling into H ₂ O, no diving but just falling into water and plunging head under. feeding on small flying fish.
14 57	Bul Pet	1	SE		S
14 58	WTS	1	SE		S
15 01	WTS	1	N		S
15 03	ST	5	N		T
	WTS	1			
15 05	ST	2	S		T
15 12	ST	2	N		T
15 12	BSP	1	S		S
15 14	ST	2	N		T



Ship
Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

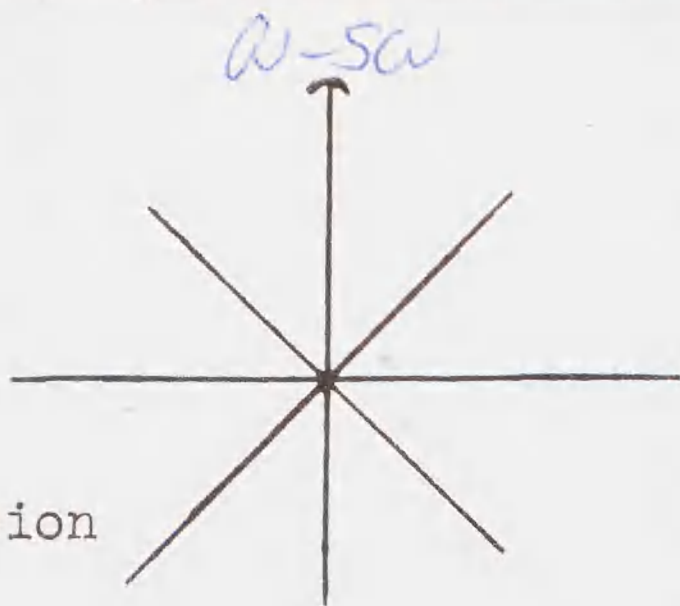
OBSERVERS:

Amerson

Date 28 July
Pg.# 6

SPECIMEN
or

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
15 18	WTS	1	N		S
15 23	WTS	2			following ship
	Bul P	1			
15 30	WTS	2	N		S
15 37	WTS	1	N		S
15 45	ST	150±	NW		ad + Im (young calling)
	WTS	200±			screeching
	BLN	5			
15 53	ST	1	N		T
15 56	WTS	1	S		S
16 00	WTS	1	S		S
16 00	WTS	1	S		S
16 04	Bul P	1	S		S
16 09	WTS	1	S		S
16 11	ST	1	N		T
16 17	ST	1	E		T
16 20	WTS	1	S		S
16 27	Bul P	1	S		S
16 40	Bul P	1	W		S
16 42	WTS	1	W		S
16 45	CIS	1	NW		S
16 46	WTS	1	E		S
16 53	ST	1	SE		T
16 59	WTS	1	N		S
	WTS	2	S		S
17 01					
17 02	ST	1	NE		T
17 04	NS	1	N		S
17 06	WTS	1	S		S
17 11	ST	1	N		T
17 21	Bul P	2	E		S



Ship
Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:

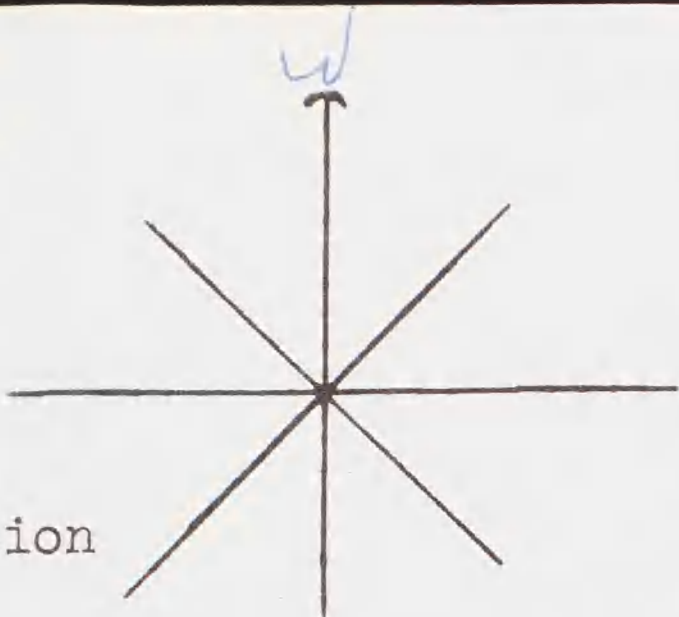
Hiker

Date 28 July
Pg.# 7

SPECIMEN
or

TIME SPECIES # DIR. BAND NO. REMARKS

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
17 52	WTS	2	⊙		S WP
17 58	Bulwers	6			4 sitting on H ₂ O + 2 going SE
18 00	ST	1	N		ad T
18 05	Bulwers.	15	}		S Flock Northern 1 DP rest WP
	Bonin Petrel	2			
	WTS	5			
18 10	ST	4 3	N		Ad T
18 12	WTS	2	⊙		S WP
18 15	WTS	1	⊙		SWP
18 20	WTS Bulwers	1 1	⊙		searching together
18 25	WTS	3	⊙		WP, S
	Bulwers	1	⊙		S
18 30	WTS	2	⊙		WP, S
18 30	WTS	1	N		WP, S
18 36	WTS	1	⊙		WP, S
18 38	Bulwers	1	⊙		S
18 59	Shearwater	1	N		S
19 04	CS	1	SW		S
19 09	WTS	3	E		S
19 12	WTS	1	S		S
19 20	BP	1	S		S
19 23	WTS	2	N		S



Ship
Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

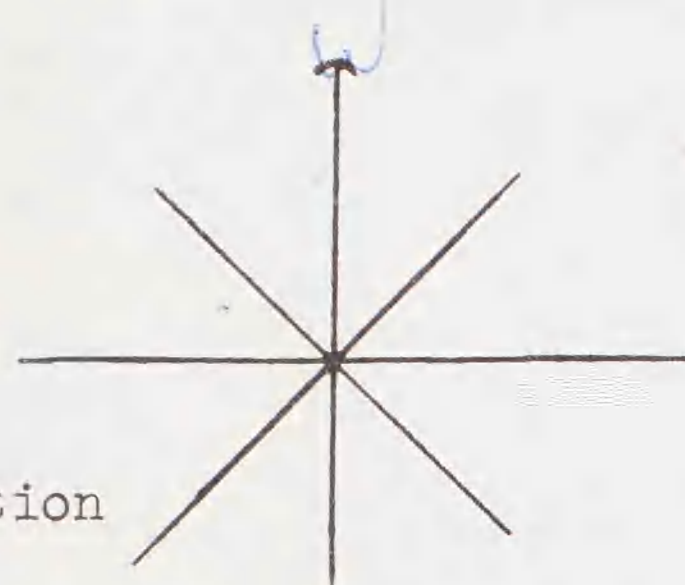
OBSERVERS:

Amerson

Date 29 July
Pg.# 1

SPECIMEN
or

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
06 25	start				
06 42	WTS	1	S		S
06 42	Bul P	1	☉		searching → NE
06 43	WTS	1	NE		S WTS
06 45	WTS	2	S		S
06 49	WTS	3	S		on water, searching (1 dp)
07 00	Breakfast				
07 30					
07 31	BFB	1 SA	☉		searching, S, feeding
07 43	WTS	1	S		S
07 48	WTS Bul P	2	NE		- seen by lookout
07 51	WTS	2	☉		behind ship
07 56	ST	2	N		1 ad, 1 im - T
08 05	WTS	3	S		searching
08 12	Bul P	1	S		S
08 32	Sooty-SB	1	N		ST
08 43	RTTB	1	☉		W - Trawl
08 51	WTS	2	N		S
08 54	WTS	1	SW		S
09 04	ST	1	N		T
09 12	RTTB	1	N		feeding (done from 20 ft.)
09 45	GBT	2	NE		T
09 51	WTS	2	S		S
09 53	GBT	2	S		S
	WTS	1	S		S
09 56	Bonaptyger	1	S		S
10 37	WTS	1	N		S
10 40	WTS	1	S		S
11 07	Bul P	1	N		S
11 14	Bul P	1	W		S



Ship
Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

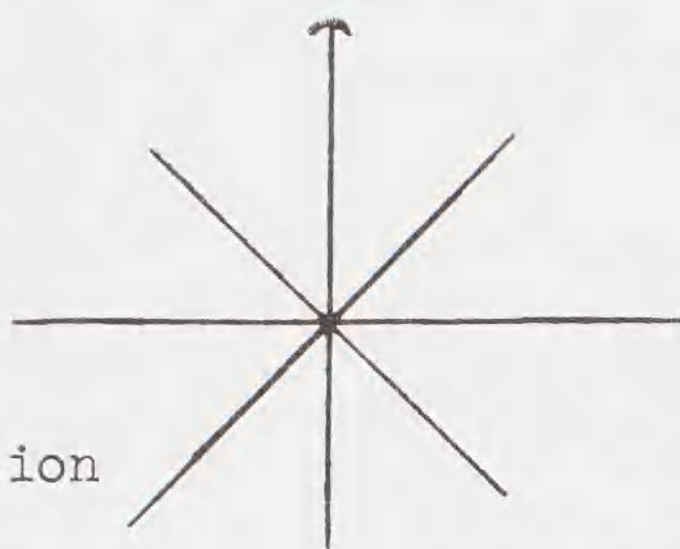
OBSERVERS:

H. J. Fisher
Augustson

Date 29 July 1965
Pg. # 2

SPECIMEN
or

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
13 45	ST	1	☉NE		T
13 56	B P	1	S		S
13 59	B or N	1	S		S
14 43	B or N	9	N		S
14 45	B or N	1	N		S
14 47	B or N	2	N		on water, flew in front of ship
14 52	RTTB	1	SE		over ship - high
14 55	ST	1	S		S
15 09	ST	1	E		T following ship
15 20	ST	1			
16 00	WTS	1	S		S
16 25	WTS	1	NE		S
17 16	WTS	1	S		S
17 16	WTS	2	S		S
17 45	Dark Rumped Petrel?	1	☉		sitting on H ₂ O
17 50	BF Booby	1	☉		sitting on H ₂ O Subad a few dark feathers on wing & trunk
17 55	Bulwers	1	☉		
18 20	Sooty tern	150+	}		Very distant feeding flock approx 1/2 mile away.
	White bird	4			
	Frig sp	2			
18 37	WTS	1	NE		WP T
18 46	Sooty tern	65±	}		ad 6±1 dark phase, rest WP
	WTS	30			
18 52	Sooty tern	200±	}		SF flock (very distant 1-1 1/2 miles) after under sooties but probably gone
	Shearwater sp	2++			
19 00	Sf Shearwater sp	35+	}		searching flock several dark phase
		5++			
19 04	ST	25+	}		searching flock several dark phase
	WTS	7++			



Ship
Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:

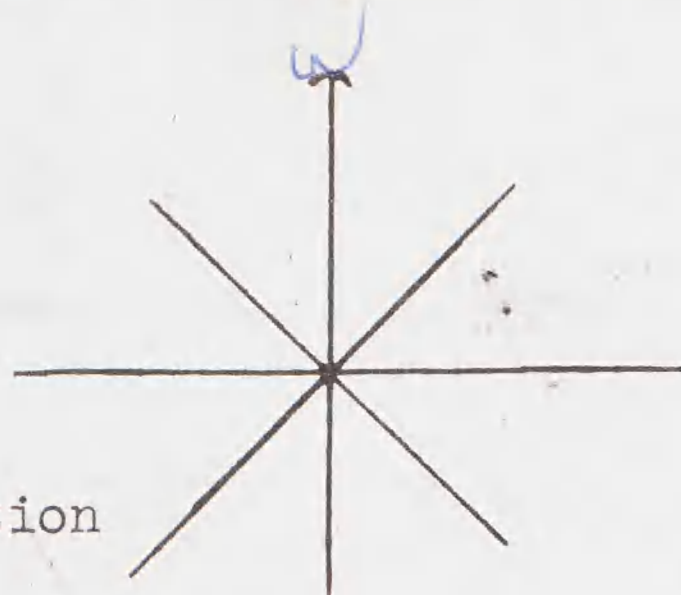
Auber

Date
Pg.#

29 July, 1968
3

SPECIMEN
or

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
19 05	ST	4			T
05	ST	12			T
05	ST	3			T
05	WTS	1	NE		T and
19 07	ST	75	⊙		scattered over whole area one one immature
	WTS	25	⊙		observed following adult, both calling to each other also scattered over whole area approx 1/3 D Phase
19 12	ST	35	⊙		SF
12	ST	25	⊙		SF
19 15	WTS	7	⊙		SF
19 20	ST	25	⊙		FF
19 27	ST	50	⊙		FF joined up with the 1920 flock
19 28	ST	3			going towards the previous ^{two} flocks
19 35	ST	2	⊙		
19 36	Shearwater	1	⊙		all dark not short tail very light patches on primaries fading but not far into secondaries
19 39	ST	2	N		
19 37	ST	2	N		S



SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

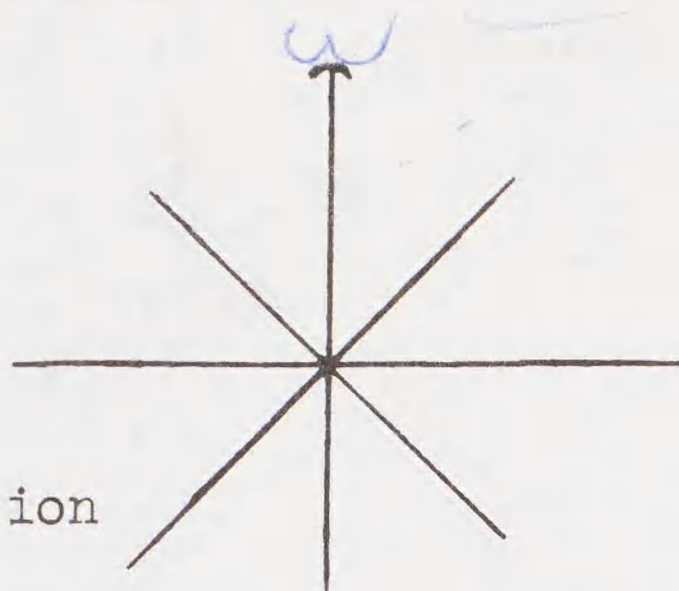
OBSERVERS:
Anderson
Hulson

Date 30 July
Pg.# 1

Ship
Direction

SPECIMEN
or
DIR. BAND NO. REMARKS

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
07 10	Start				
07 20	WTS	1	⊙		S (behind ship's wake)
08 01	Imm For Pet	2	S		S
08 25	WTS	1	S		S
08 35	RTTB	1	⊙ → E		T
08 52	WTS	1	N		S
09 10	WTS	2	S		S
09 44	RTTB	1	⊙		
54	WTTB	1			
10 41	WTS	2	N		S
10 49	RTTB	1	⊙		S - setup for notes
11 20	stop for lunch				
12 00	start				
12 28	RTTB	1	⊙		
12 29	Bulwers	1	SSE		
12 58	Pt. hypoleuca	1	N		cooki?
13 02	Bulwers	1	SW		
13 09	ST	1	NE		
13 20	WTS	3	⊙		WP
	ST	3	⊙ East		Imm 2 ad } SF
13 23	ST	50+	⊙		Ad one imm seen } feeding flock.
	WTS	15+	⊙		WP.
14 45	ST	2	SE		T
14 46	WTS	2	S		S
14 53	WTS	3	SE		S
	Bal P	1			
14 54	RTTB	1	⊙		S
15 01	ST	20A, 10I	S		feeding flock (1 dp WTS)
	WTS	10			



Ship
Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

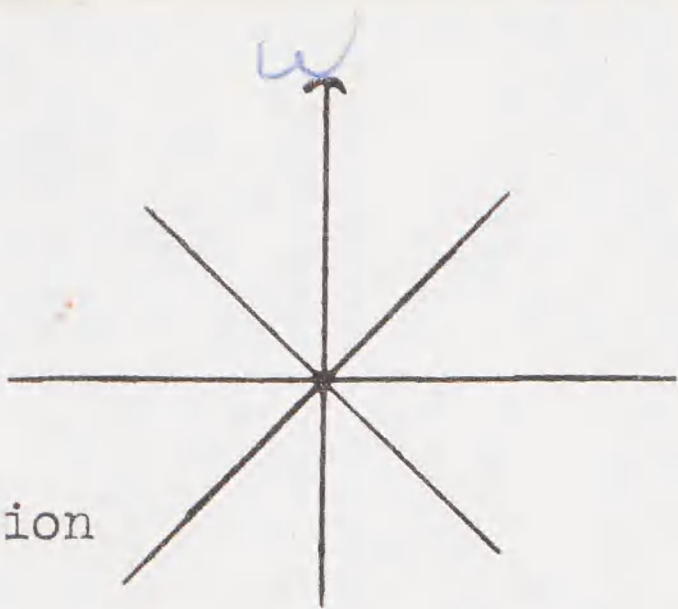
OBSERVERS:

Amerson
Hulok

Date 30 July
Pg.# 7

SPECIMEN
or

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS	
15 20	WTS	1	NE		S lg	
15 55	WTS	1	N		S lg	
17 00	WTS	1	N		S lg	
18 17	Bonin type	1	N			
18 28	Bonin type	1	N			
18 30	ST	75	SE		<i>seem to be in flock</i> <i>traveling flocks.</i>	
	WTS	12+	SE			
	Bonin type	2	SE			
18 32	WTS	1	SE		S 2p	
18 38	WTS	1	N		S 2p	
20 05	Stop	<i>watch</i>				



Ship
Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:

Amundson
Huber

Date 31 July
Pg.# 1

SPECIMEN
or

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
07 15	Start				
07 48	WTS	1	E		lp, s
07 58	WTS	3	NE		lp, s
08 38	WTS	2	N		lp, s
09 07	WTS	1	N		lp, s
09 16	WTS	1	S		lp, s
10 00	WTS	2	S		lp, s
10 25	WTS	2	E		s, g
10 25	ST	1	NE		T
10 26	JFP	1	S		s
10 33	WTS	1	E		s, g
10 38	ST	20 A	NE		feeding flock
	GBT	2			
	WT	1			
	WTS	5			
	Bonin T gull	1			
11 11	NS	1	N		s
11 19	WTS	1	S		s, lp
11 20	Start				
11 40	Start				
18 28	ST	1	N		T
20 15	end watch				

Date 20 OCT 68 Ship G.S. HALL (VAG-40) Cruise No. _____

Organization _____ Recorder _____

Sunrise: Time 0700 Position: Lat. 12° N, Long. 164° 06.0 E

Sunset: Time 1830 Position: Lat. _____, Long. _____

Miles travelled from 0000 hours to sunrise = _____

Miles travelled from sunrise to sunset = _____

Miles travelled from sunset to 2400 hours = _____

TIME OF FIX TYPE OF FIX LATITUDE LONGITUDE

- 1.
- 2.
- 3.
- 4.
- 5.

Hourly Positions:

Time Latitude Longitude Wind Dir. Wind Sp. Wave Dir. Wave Hgt.

0100						
0200						
0300						
0400						
0500						
0600						
0700	<u>12 N</u>	<u>164 06 E</u>				
0800	<u>12 02 N</u>	<u>164 14 E</u>				
0900	<u>12 05 N</u>	<u>164 23 E</u>				
1000	<u>12 08 N</u>	<u>164 31 E</u>				
1100	<u>12 12 N</u>	<u>164 44 E</u>				
1200	<u>12 16 N</u>	<u>164 49 E</u>				
1300	<u>12 20 N</u>	<u>165 00 E</u>				
1400	<u>12 22 N</u>	<u>165 09 E</u>				
1500	<u>12 23 N</u>	<u>165 19 E</u>				
1600	<u>12 26 N</u>	<u>165 25 E</u>				
1700	<u>12 28 N</u>	<u>165 34 E</u>				
1800	<u>12 30 N</u>	<u>165 42 E</u>				
1900						
2000						
2100						
2200						
2300						
2400						

Date 21 OCT. 68 Ship G.S. HAKE (YAF-40) Cruise No. _____

Organization _____ Recorder _____

Sunrise: Time 0641 Position: Lat. 13° N, Long. 167.6 E

Sunset: Time 1825 Position: Lat. 13.4 N, Long. 168.2 E

Miles travelled from 0000 hours to sunrise = _____

Miles travelled from sunrise to sunset = _____

Miles travelled from sunset to 2400 hours = _____

TIME OF FIX TYPE OF FIX LATITUDE LONGITUDE

- 1.
- 2.
- 3.
- 4.
- 5.

Hourly Positions:

Time Latitude Longitude Wind Dir. Wind Sp. Wave Dir. Wave Hgt.

0100						
0200						
0300						
0400						
0500						
0600						
0700	12° 55 N	167 38 E				
0800	12° 57 N	167 45 E				
0900	12° 58 N	167 52 E				
1000	13° 00 N	168 02 E				
1100	13° 02 N	168 10 E				
1200	13° 07 N	168 19 E				
1300	13° 09 N	168 24 E				
1400	13° 11 N	168 31 E				
1500	13° 13 N	168 41 E				
1600	13° 25 N	168 48 E				
1700	13° 18 N	168 55 E				
1800	13° 21 N	169 05 E				
1900	13° 23 N	169 14 E				
2000						
2100						
2200						
2300						
2400						

Date 22 OCT 68 Ship G.S HALL () Cruise No. _____

Organization _____ Recorder _____

Sunrise: Time 0629 Position: Lat. 14 00 N, Long. 171 01 E

Sunset: Time 1810 Position: Lat. _____, Long. _____

Miles travelled from 0000 hours to sunrise = _____

Miles travelled from sunrise to sunset = _____

Miles travelled from sunset to 2400 hours = _____

TIME OF FIX TYPE OF FIX LATITUDE LONGITUDE

- 1.
- 2.
- 3.
- 4.
- 5.

Hourly Positions:

Time Latitude Longitude Wind Dir. Wind Sp. Wave Dir. Wave Hgt.

0100						
0200						
0300						
0400						
0500						
0600						
0700	<u>14 01 N</u>	<u>171 06 E</u>				
0800	<u>14 04 N</u>	<u>171 11 E</u>				
0900	<u>14 06 N</u>	<u>171 26 E</u>				
1000	<u>14 09 N</u>	<u>171 34 E</u>				
1100	<u>14 11 N</u>	<u>171 43 E</u>				
1200	<u>14 13 N</u>	<u>171 50 E</u>				
1300	<u>14 15 N</u>	<u>171 58 E</u>				
1400	<u>14 17 N</u>	<u>172 07 E</u>				
1500	<u>14 19 N</u>	<u>172 15 E</u>				
1600	<u>14 21 N</u>	<u>172 24</u>				
1700	<u>14 24 N</u>	<u>172 32</u>				
1800	<u>14 26 N</u>	<u>172 39</u>				
1900						
2000						
2100						
2200						
2300						
2400						

Date 23 OCT 68 Ship GS HALL () Cruise No. _____

Organization _____ Recorder Qm^v

Sunrise: Time 0616 Position: Lat. ~~14 59 N~~, Long. ~~174 18 E~~

Sunset: Time 1752 Position: Lat. 15 31 N, Long. 176 02 E

Miles travelled from 0000 hours to sunrise = _____

Miles travelled from sunrise to sunset = _____

Miles travelled from sunset to 2400 hours = _____

TIME OF FIX TYPE OF FIX LATITUDE LONGITUDE

- 1.
- 2.
- 3.
- 4.
- 5.

Hourly Positions:

Time Latitude Longitude Wind Dir. Wind Sp. Wave Dir. Wave Hgt.

0100						
0200						
0300						
0400						
0500						
0600	<u>14 59 N</u>	<u>174 18 E</u>				
0700	<u>15 01 N</u>	<u>174 27 E</u>				
0800	<u>15 03 N</u>	<u>174 35 E</u>				
0900	<u>15 06 N</u>	<u>174 45 E</u>				
1000	<u>15 09 N</u>	<u>174 52 E</u>				
1100	<u>15 11 N</u>	<u>175 02 E</u>				
1200	<u>15 15 N</u>	<u>175 12 E</u>				
1300	<u>15 17 N</u>	<u>175 21 E</u>				
1400	<u>15 19 N</u>	<u>175 29 E</u>				
1500	<u>15 22 N</u>	<u>175 37 E</u>				
1600	<u>15 24 N</u>	<u>175 46 E</u>				
1700	<u>15 29 N</u>	<u>175 55 E</u>				
1800	<u>15 31 N</u>	<u>176 02 E</u>				
1900						
2000						
2100						
2200						
2300						
2400						

Date 24 OCT 68 Ship US HALL () Cruise No. _____

Organization USN Recorder Qm²

Sunrise: Time 0603 Position: Lat. 16 03 N, Long. 177 43 E

Sunset: Time 1739 Position: Lat. 16 30 N, Long. 178 54 E

Miles travelled from 0000 hours to sunrise = _____

Miles travelled from sunrise to sunset = _____

Miles travelled from sunset to 2400 hours = _____

TIME OF FIX TYPE OF FIX LATITUDE LONGITUDE

- 1.
- 2.
- 3.
- 4.
- 5.

Hourly Positions:

Time Latitude Longitude Wind Dir. Wind Sp. Wave Dir. Wave Hgt.

0100						
0200						
0300						
0400						
0500						
0600	<u>16 03 N</u>	<u>177 43 E</u>				
0700	<u>16 05 N</u>	<u>177 36 E</u>				
0800	<u>16 08 N</u>	<u>177 47 E</u>				
0900	<u>16 10 N</u>	<u>177 56 E</u>				
1000	<u>16 12 N</u>	<u>178 04 E</u>				
1100	<u>16 14 N</u>	<u>178 12 E</u>				
1200	<u>16 16 N</u>	<u>178 19 E</u>				
1300	<u>16 17 N</u>	<u>178 29 E</u>				
1400	<u>16 21 N</u>	<u>178 38 E</u>				
1500	<u>16 24 N</u>	<u>178 49 E</u>				
1600	<u>16 29 N</u>	<u>178 57 E</u>				
1700	<u>16 28 N</u>	<u>179 03</u>				
1800	<u>16 30 N</u>	<u>179 10 E</u>				
1900						
2000						
2100						
2200						
2300						
2400						

Date 25 OCT 68 Ship G.S. HALL () Cruise No. _____

Organization USN Recorder _____

Sunrise: Time 0555 Position: Lat. 16-55, Long. 179-17
~~179-13E~~

Sunset: Time 1722 Position: Lat. 17-29, Long. 177-35 W

Miles travelled from 0000 hours to sunrise = _____

Miles travelled from sunrise to sunset = _____

Miles travelled from sunset to 2400 hours = _____

TIME OF FIX TYPE OF FIX LATITUDE LONGITUDE

- 1.
- 2.
- 3.
- 4.
- 5.

Hourly Positions:

Time Latitude Longitude Wind Dir. Wind Sp. Wave Dir. Wave Hgt.

0100						
0200						
0300						
0400						
0500						
0600	16-55 N	179-27 W				
0700	16-57 N	179-10 W				
0800	17-01 N	179-01 W				
0900	17-04 N	178-51 W				
1000	17-05 N	178-45 W				
1100	17-09 N	178-37 W				
1200	17-16 N	178-27 W				
1300	17-18 N	178-16 W				
1400	17-20 N	178-11 W				
1500	17-22 N	178-03 W				
1600	17-25 N	177-52 W				
1700	17-26 N	177-43 W				
1800						
1900						
2000						
2100						
2200						
2300						
2400						

Date 26 Oct 68 Ship GS Hall (46040) Cruise No. _____

Organization USN Recorder _____

Sunrise: Time 0539 Y Position: Lat. 17 45 N, Long. 175 50 W

Sunset: Time ~~1802~~ Position: Lat. 18-17N, Long. 174-00W

Miles travelled from 0000 hours to sunrise = _____

Miles travelled from sunrise to sunset = _____

Miles travelled from sunset to 2400 hours = _____

TIME OF FIX TYPE OF FIX LATITUDE LONGITUDE

- 1.
- 2.
- 3.
- 4.
- 5.

Hourly Positions:

Time Latitude Longitude Wind Dir. Wind Sp. Wave Dir. Wave Hgt.

0100						
0200						
0300						
0400						
0500						
0600	<u>17-49 N</u>	<u>175-45 W</u>				
0700	<u>17-52 N</u>	<u>175-36 W</u>				
0800	<u>17-54 N</u>	<u>175-24 W</u>				
0900	<u>17-57 N</u>	<u>175-15 W</u>				
1000	<u>17-59 N</u>	<u>175-05.5 W</u>				
1100	<u>18-03 N</u>	<u>174-56 W</u>				
1200	<u>18-06 N</u>	<u>174-49 W</u>				
1300	<u>18-08 N</u>	<u>174-41 W</u>				
1400	<u>18-09 W</u>	<u>174-34 W</u>				
1500	<u>18-11 N</u>	<u>174-25.5 W</u>				
1600	<u>18-13 N</u>	<u>174-17 W</u>				
1700	<u>18-15.5 N</u>	<u>174-08 W</u>				
1800	<u>18-18 N</u>	<u>174-00 W</u>				
1900						
2000						
2100						
2200						
2300						
2400						

Date 27 Oct 68 Ship _____ (_____) Cruise No. _____

Organization _____ Recorder _____

Sunrise: Time 0627 Position: Lat. 18-40 N, Long. 172-23 W

Sunset: Time 1751 Position: Lat. 19-06 N, Long. 170-35 W

Miles travelled from 0000 hours to sunrise = _____

Miles travelled from sunrise to sunset = _____

Miles travelled from sunset to 2400 hours = _____

TIME OF FIX TYPE OF FIX LATITUDE LONGITUDE

- 1.
- 2.
- 3.
- 4.
- 5.

Hourly Positions:

Time Latitude Longitude Wind Dir. Wind Sp. Wave Dir. Wave Hgt.

0100						
0200						
0300						
0400						
0500						
0600	<u>18-38 N</u>	<u>172-19 W</u>				
0700	<u>18-40 N</u>	<u>172-09.5 W</u>				
0800	<u>18-42 N</u>	<u>172-01 W</u>				
0900	<u>18-45 N</u>	<u>171-51 W</u>				
1000	<u>18-47 N</u>	<u>171-43 W</u>				
1100	<u>18-50 N</u>	<u>171-35 W</u>				
1200	<u>18-55 N</u>	<u>171-26.5 W</u>				
1300	<u>18-56 N</u>	<u>171-18 W</u>				
1400	<u>18-58 N</u>	<u>171-09 W</u>				
1500	<u>19-00 N</u>	<u>171-00 W</u>				
1600	<u>19-02 N</u>	<u>170-52 W</u>				
1700	<u>19-02 N</u>	<u>170-42 W</u>				
1800	<u>19-02 N</u>	<u>170-31 W</u>				
1900						
2000						
2100						
2200						
2300						
2400						

Date 28 Oct 68 Ship _____ (_____) Cruise No. _____

Organization _____ Recorder _____

Sunrise: Time 0614 X Position: Lat. 19-23, Long. 168-42 W

Sunset: Time 1736 X Position: Lat. 19-53, Long. 166-52 W

Miles travelled from 0000 hours to sunrise = _____

Miles travelled from sunrise to sunset = _____

Miles travelled from sunset to 2400 hours = _____

	TIME OF FIX	TYPE OF FIX	LATITUDE	LONGITUDE
--	-------------	-------------	----------	-----------

89
125
214

- 1.
- 2.
- 3.
- 4.
- 5.

Hourly Positions:

Time	Latitude	Longitude	Wind Dir.	Wind Sp.	Wave Dir.	Wave Hgt.
------	----------	-----------	-----------	----------	-----------	-----------

0100						
0200						
0300						
0400						
0500						
0600	19-26 N	168-40 W				
0700	19-28 N	168-31 W				
0800	19-29.9	168-23 W				
0900	19-31 N	168-19 W				
1000	19-33 N	168-05.5 W				
1100	19-40 N	167-54 W				
1200	19-43.8 N	167-45 W				
1300	19-45.5 N	167-36 W				
1400	19-47 N	167-27 W				
1500	19-48.5 N	167-18.5 W				
1600	19-50 N	167-09.5 W				
1700	19-51.5 N	167-00 W				
1800	19-53 N	166-50 W				
1900						
2000						
2100						
2200						
2300						
2400						

Date 29 Oct 68 Ship G.S. Hall (XAG40) Cruise No. _____

Organization 30 Recorder _____

Sunrise: Time 0601X Position: Lat. 20-12, Long. 165-00W

Sunset: Time 1720X Position: Lat. 20-32, Long. 163-00W

Miles travelled from 0000 hours to sunrise = _____

Miles travelled from sunrise to sunset = _____

Miles travelled from sunset to 2400 hours = _____

TIME OF FIX TYPE OF FIX LATITUDE LONGITUDE

1. 30
2. 0647W L-20 40 N 161-16W
3. 1803W L-20 53 N 159-20W
4. 31-20
5. 0634W 21-13 N 158-00W

Hourly Positions:

Time Latitude Longitude Wind Dir. Wind Sp. Wave Dir. Wave Hgt.

Time	Latitude	Longitude	Wind Dir.	Wind Sp.	Wave Dir.	Wave Hgt.
0100						
0200						
0300						
0400						
0500	<u>2</u>					
0600	<u>20-15.5N</u>	<u>164-47W</u>	<u>20-39</u>	<u>161-17.5</u>		
0700	<u>20-17N</u>	<u>164-38W</u>	<u>20-40</u>	<u>161-08.5</u>		
0800	<u>20-19N</u>	<u>164-29W</u>	<u>20-41</u>	<u>160-59.5</u>		
0900	<u>20-20N</u>	<u>164-20W</u>	<u>20-42</u>	<u>160-50.5</u>		
1000	<u>20-21N</u>	<u>164-11W</u>	<u>20-43.5</u>	<u>160-41</u>		
1100	<u>20-24N</u>	<u>164-01W</u>	<u>20-44</u>	<u>160-32</u>		
1200	<u>20-28N</u>	<u>163-52W</u>	<u>20-45</u>	<u>160-23</u>		
1300	<u>20-29W</u>	<u>163-43W</u>	<u>20-46.5</u>	<u>160-14.5</u>		
1400	<u>20-30W</u>	<u>163-34W</u>	<u>20-48</u>	<u>160-05.5</u>		
1500	<u>20-30W</u>	<u>163-27W</u>	<u>20-48</u>	<u>159-58.0</u>		
1600	<u>20-31N</u>	<u>163-16W</u>	<u>20-51</u>	<u>159-48</u>		
1700	<u>20-31.5N</u>	<u>163-08W</u>	<u>20-52</u>	<u>159-39</u>		
1800			<u>20-54</u>	<u>159-30</u>		
1900			<u>20</u>			
2000						
2100						
2200						
2300						
2400						

Date 27 July 68 Ship GS HALL (VAG40) Cruise No. _____

Organization USN? Recorder _____

Sunrise: Time _____ Position: Lat. _____, Long. _____

Sunset: Time 1906 W Position: Lat. 21°04', Long. 159°02'

Miles travelled from 0000 hours to sunrise = _____

Miles travelled from sunrise to sunset = _____

Miles travelled from sunset to 2400 hours = _____

TIME OF FIX TYPE OF FIX LATITUDE LONGITUDE

- 1.
- 2.
- 3.
- 4.
- 5.

Hourly Positions:

Time Latitude Longitude Wind Dir. Wind Sp. Wave Dir. Wave Hgt.

0100						
0200						
0300						
0400						
0500						
0600						
0700						
0800						
0900						
1000						
1100						
1200	<u>21-18.1</u>	<u>157-57.9</u>				
1300	<u>21-12</u>	<u>158-04.5</u>				
1400	<u>21-10.7</u>	<u>158-13.5</u>				
1500	<u>21-09.5</u>	<u>158-23</u>				
1600	<u>21-08</u>	<u>158-32.5</u>				
1700	<u>21-06.5</u>	<u>158-42</u>				
1800	<u>21-05.4</u>	<u>158-51.5</u>				
1900	<u>21-04</u>	<u>158-01.2</u>				
2000	<u>21-03</u>	<u>159-10.8</u>				
2100						
2200						
2300						
2400						

Date 28 July Ship G.S. HALL (YAG 40) Cruise No. _____

Organization _____ Recorder _____

Sunrise: Time 0602 Position: Lat. 20°57.0' N, Long. 160°42.8' W

Sunset: Time 1928 Position: Lat. 20°42', Long. 162°40'

Miles travelled from 0000 hours to sunrise = _____

Miles travelled from sunrise to sunset = _____

Miles travelled from sunset to 2400 hours = _____

TIME OF FIX TYPE OF FIX LATITUDE LONGITUDE

- 1.
- 2.
- 3.
- 4.
- 5.

Hourly Positions:

Time Latitude Longitude Wind Dir. Wind Sp. Wave Dir. Wave Hgt.

0100						
0200						
0300						
0400						
0500						
0600	<u>2057.0 N</u>	<u>160 42.8 W</u>				
0700	<u>2055.0 N</u>	<u>160 52.0 W</u>				
0800	<u>2051.0 N</u>	<u>161 02.0 W</u>				
0900	<u>2051.2</u>	<u>161-06.4</u>				
1000	<u>2051.5</u>	<u>161-13</u>				
1100	<u>20-52</u>	<u>161-19</u>				
1200	<u>20-55</u>	<u>161-25.1</u>				
1300	<u>20-53</u>	<u>161-32</u>				
1400	<u>20-51.2</u>	<u>161-43</u>				
1500	<u>20-50</u>	<u>161-53</u>				
1600	<u>20-48</u>	<u>162-04</u>				
1700	<u>20-46.3</u>	<u>162-14.1</u>				
1800	<u>20-45</u>	<u>162-24</u>				
1900	<u>20-43</u>	<u>162-34.2</u>				
2000	<u>20-41.0</u>	<u>162-45.0</u>				
2100						
2200						
2300						
2400						

DEPARTMENT OF THE NAVY
 SHIP WEATHER OBSERVATION SHEET

USS GRANVILLE S. HALL YAG-40 ^{+10 W} DATE (GMT) THURSDAY 1 AUGUST 19 68
 AT/PASSAGE FROM P.H.N.S.Y. TO SPECIAL OPS AREA

SECTION I

TIME (GMT)	WINDS		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES		SWELL WAVES				
	<input type="checkbox"/> IF ESTIMATED	DIRECTION (True)				FORCE (Knots)	DRY BULB	WET BULB	AMOUNT (Tenths)	HEIGHT		TYPE	PERIOD (Seconds)	HEIGHT (Feet)	DIRECTION (True)	PERIOD (Seconds)	HEIGHT (Feet)	
00		075	16	10	SCT	29.91			2	2000	CU							
01		078	17	10	SCT	29.88			2	2000	CU							
02		078	15	10	SCT	29.89			3	2000	CU	88	5	1	080	5	1	
03		078	15	10	SCT	29.88			3	2000	CU	88	5	1	080	5	1	
04		078	15	10	SCT	29.87			3	2000	CU	88	5	1	080	5	1	
05		078	15	10	SCT	29.87			3	2000	CU	88	5	1	080	5	1	
06		078	15	10	SCT	29.87			3	2500	CU	89	3	1	080	4	3	
07		078	15	10	RW	29.90			7	2500	CU/EB	89	3	1	080	4	3	
08		078	15	10	SCT	29.92			4	2500	CU	89	3	1	080	4	3	
09		078	15	10	SCT	29.92			4	2500	CU	89	3	1	080	4	3	
10		089	17	10	SCT	29.94			4	2500	CU	89						
11		098	15.5	10	SCT	29.92			4	2500	CU	89						
12		087	17.5	10	SCT	29.92			5	2000	CU	89						
13		065	14	10	SCT	29.90			4			89						
14		075	14	10	CLR	29.90			2	2000	CU	89						
15		078	14	10	CLR	29.89			1	2000	CU	89						
16		078	14	10	CLR	29.88			1	2000	CU	89						
17		078	14	10	BKN	29.90			7	2000	CU/RW	89						
18		076	16	10	BKN	29.91			9	2000	CU/ST	88	5	1	080	5	1	
19		076	16	10	BKN	29.93			7	2000	CU	88	5	1	080	5	1	
20		076	16	10	BKN	29.93			5	2000	CU	89	5	3	080	5	2	
21		076	16	10	BKN	29.94			5	2000	CU	89	5	3	080	5	2	
22		020	7.5	10	BKN	29.94			5	2000	CU	89	5	3	080	5	2	
23		020	7.5	10	BKN	29.94			5	2000	CU	89	5	3	080	5	2	

SECTION II
 SYNOPTIC OBSERVATIONS

FIRST GROUP OF MESSAGE	INDICATOR	POSITION OF SHIP			DAY OF MONTH	TIME (GMT)	WIND INDICATOR	Total Cloud Amt. (Coded)	WIND		VISIBILITY (90-99)	WEATHER		PRESSURE	AIR TEMP. (°C)	CLOUDS					COURSE OF SHIP (0-9)	SPEED OF SHIP (0-9)	3-HOUR PRESSURE TENDENCY		INDICATOR	AIR-SEA DIFF. (Coded)	DEW POINT (°C)	
		LATITUDE (Degrees and tenths)	QUARTER OF GLOBE	LONGITUDE (Degrees and tenths)					DIRECTION (True) (00-36)	SPEED (Knots)		PRES-ENT (00-99)	PAST (0-9)			BAROMETER CORRECTED (Mb)	AMOUNT OF LOW CLOUD	TYPE OF C _L (0-9)	HEIGHT OF LOW CLOUD	TYPE OF C _M (0-9)			TYPE OF C _H (0-9)	CHARACTERISTIC (0-8)				AMOUNT OF CHANGE (Mb and tenths)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
	99	L _a L _a L _a	Q _c	L ₀ L ₀ L ₀ L ₀	YY	GG	i _w	N	dd	ff	VV	ww	W	ppp	TT	N _h	C _L	h	C _M	C _H	D _s	V _s	a	pp	0	T _s T _s	T _d T _d	
SHIP	99						00																					
SHIP	99						06																					
SHIP	99						12																					
SHIP	99						18																					

INDICATOR	SEA WATER TEMPERATURE (Degrees and tenths)	TENTHS VALUE AIR TEMP. °C	ICE ACCRETION				SEA WAVES			SWELL WAVES			SEA ICE					DO NOT TRANSMIT			
			INDICATOR	SOURCE	THICKNESS	RATE	INDICATOR	PERIOD	HEIGHT (Coded)	DIRECTION (True)	PERIOD (Coded)	HEIGHT (Coded)	INDICATOR	KIND	EFFECT	BEARING	DIS-TANCE	ORIENTA-TION	DRY BULB (Degrees and tenths)	WET BULB (Degrees and tenths)	SEA WATER TEMPERATURE (Degrees and tenths)
29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	A ₁	A ₂	A ₃
1	T _w T _w T _w	t _T	2	I _s	E _s E _s	R _s	3	P _w P _w	H _w H _w	d _w d _w	P _w	H _w H _w	ICE	C ₂	K	D _i	r	e	Celsius	Celsius	Celsius
1			2				3						ICE								
1			2				3						ICE								
1			2				3						ICE								
1			2				3						ICE								

REMARKS

EXAMINED

USN, NAVIGATOR

USS GRANVILLE S. HALL YAG-40 ^{110W} DATE (GMT) 2 AUGUST 19 68

AT/PASSAGE FROM P.H.M.S.Y. TO SPECIAL OPS AREA

SECTION I

TIME (GMT)	WINDS		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES		SWELL WAVES			
	<input type="checkbox"/> IF ESTIMATED	DIRECTION (True)				FORCE (Knots)	DRY BULB	WET BULB	AMOUNT (Tenths)	HEIGHT		TYPE	PERIOD (Seconds)	HEIGHT (Feet)	DIRECTION (True)	PERIOD (Seconds)	HEIGHT (Feet)
00		020	7.5	10	BKN	29.92			7	1600	CU	89	5	3	080	5	2
01		020	7.5	10	BKN	29.92			7	1600	CU	89	5	3	080	5	2
02		072	15	10	BKN	29.89			7	1900	CU AC	89	4	2	080	5	3
03		048	14	10	BKN	29.87			7	1900	CU AC SC	89	4	2	080	5	3
04		062	15	10	BKN	29.86			8	1900	CU AC SC	90	4	1	065	5	2
05		C/E				29.87											
06		075	17	10	OVC	29.88			8	1900	CU	89					
07		075	19	10	OVC	29.89			8	1900	CU	89					
08		075	19	10	OVC	29.91			10	1900	CU	89					
09		072	21	9	OVC	29.94			10	1900	CU	89					
10		076	28	10	OVC	29.95			10	1800	CU	89					
11		076	21	10	BKN	29.95			9	1800	CU	89					
12		076	24	10	BKN	29.94			7	1800	CU	89					
13		076	19	10	BKN	29.92			7	1800	CU						
14		086	16.5	10	BKN	29.90			7	1800	CU						
15		086	16.5	10	BKN	29.90			7	1800	CU						
16		044	10	10	BKN	29.90			7	1800	CU						
17		044	10	10	BKN	29.90			8	1800	CU						
18		013	30	10	BKN	29.90			9	1800	ST						
19		083	17	4	A	29.94			10	1000	ST						
20		083	17	10	RS	29.93			10	1500	ST CU						
21		083	17	10	R	29.92			10	1500	ST CU AC						
22		070	17	10	BKN	29.94			9	1500	ST CS						
23		093	17.3	10	BKN	29.92			9	1500	ST AC						

SECTION II
SYNOPTIC OBSERVATIONS

FIRST GROUP OF MESSAGE	INDICATOR	POSITION OF SHIP			DAY OF MONTH	TIME (GMT)	WIND INDICATOR	Total Cloud Amt. (Coded)	WIND		VISIBILITY (90-99)	WEATHER		PRESSURE	AIR TEMP. (°C)	CLOUDS					COURSE (IF SHIP (0-9))	SPEED OF SHIP (0-9)	3-HOUR PRESSURE TENDENCY		INDICATOR	AIR-SEA DIFF. (Coded)	DEW POINT (°C)		
		LATITUDE (Degrees and tenths)	QUARTER OF GLOBE	LONGITUDE (Degrees and tenths)					DIRECTION (True)	SPEED (True)		PRES-ENT (00-99)	PAST (0-9)			BAROMETER CORRECTED (Mb)	AMOUNT OF LOW CLOUD	TYPE OF CL (0-9)	HEIGHT OF LOW CLOUD	TYPE OF CM (0-9)			TYPE OF CH (0-9)	CHARACTER-ISTIC (0-8)				AMOUNT OF CHANGE (Mb and tenths)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		
	99	L _a L _a L _a	Q _c	L ₀ L ₀ L ₀ L ₀	YY	GG	i _w	N	dd	ff	VV	ww	W	ppp	TT	N _h	C _L	h	C _M	C _H	D _s	V _s	a	pp	0	T _s T _s	T _d T _d		
SHIP	99					00																							
SHIP	99					06																							
SHIP	99					12																							
SHIP	99					18																							

INDICATOR	SEA WATER TEMPERATURE (Degrees and tenths)	TENTHS VALUE AIR TEMP. °C	ICE ACCRETION				SEA WAVES		SWELL WAVES			SEA ICE						
			INDICATOR	SOURCE	THICKNESS	RATE	INDICATOR	PERIOD	HEIGHT (Coded)	DIRECTION (True)	PERIOD (Coded)	HEIGHT (Coded)	INDICATOR	KIND	EFFECT	BEARING	DISTANCE	ORIENTATION
29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
1	T _w T _w T _w	t _T	2	I _s	E _s E _s	R _s	3	P _w P _w	H _w H _w	d _w d _w	P _w	H _w H _w	ICE	C ₂	K	D ₁	r	e
1			2				3						ICE					
1			2				3						ICE					
1			2				3						ICE					
1			2				3						ICE					

DO NOT TRANSMIT		
DRY BULB (Degrees and tenths)	WET BULB (Degrees and tenths)	SEA WATER TEMPERATURE (Degrees and tenths)
A ₁	A ₂	A ₃
Celsius	Celsius	Celsius

DEPARTMENT OF THE NAVY
SHIP WEATHER OBSERVATION SHEET

USS GRANVILLE S HALL (YAG-40) DATE (GMT) FRIDAY 3 AUGUST 19 68
AT/PASSAGE FROM PEARL HARBOR HAWAII TO SPECIAL OP AREA

SECTION I

TIME (GMT)	WINDS		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES		SWELL WAVES					
	<input type="checkbox"/> IF ESTIMATED	DIRECTION (True)				FORCE (Knots)	DRY BULB	WET BULB	AMOUNT (Tenths)	HEIGHT		TYPE	PERIOD (Seconds)	HEIGHT (Feet)	DIRECTION (True)	PERIOD (Seconds)	HEIGHT (Feet)		
00																			
01		119	10.4	9	ovc	29.92			9	2000	Ac								
02		119	18	9	ovc	29.88			9	2000	Cu								
03																			
04																			
05		072	17	10	BKN	29.87			9	2000	Cu								
06		072	18	10	ovc	29.89			10	2000	Cu								
07		082	15	10	ovc	29.90			10	2000	Cu	88							
08		080	15	10	ovc	29.90			10	2000	Cu	88							
09		082	15	10	ovc	29.90			10	2000	Cu	88							
10		082	15	10	ovc	29.90			10	2000	Cu	88							
11		082	15	10	ovc	29.93			10	2000	Cu	88							
12		082	13	10	ovc	29.89			10	2000	ST AS	88							
13		093	14	10	ovc	29.88			10	2000	ST AS	88							
14		084	12	7	ovc	29.88			10	2000	ST	88							
15		074	13	7	ovc	29.88			10	2000	ST	88							
16		055	15	6	ovc	29.88			10	2000	ST	88							
17		063	16	7	ovc	29.88			10	2000	ST	88							
18		073	16	9	ovc	29.90			10	2000	ST	88							
19		075	19	9	ovc	29.90			8	2000	ST	88							
20		075	19	9	ovc	29.92			9	2000	ST	88							
21		072	16	9	ovc	29.92			9	2000	ST	88							
22		075	17	9	ovc	29.91			9	2000	Cu	88							
23		072	17	10	BKN	29.90			9	2000	Cu	88							

SECTION II
SYNOPTIC OBSERVATIONS

FIRST GROUP OF MESSAGE	INDICATOR	POSITION OF SHIP				DAY OF MONTH	TIME (GMT)	WIND INDICATOR	Total Cloud Amt. (Coded)	WIND		VISIBILITY (90-99)	WEATHER		PRESSURE	AIR TEMP. (°C)	CLOUDS					COURSE OF SHIP (0-9)	SPEED OF SHIP (0-9)	3-HOUR PRESSURE TENDENCY		INDICATOR	AIR-SEA DIFF. (Coded)	DEW POINT (°C)			
		LATITUDE (Degrees and tenths)	QUARTER OF GLOBE	LONGITUDE (Degrees and tenths)						DIRECTION (True) (00-36)	SPEED (True) (Knots)		PRES-ENT (00-99)	PAST (0-9)			BAROMETER CORRECTED (Mb)	AMOUNT OF LOW CLOUD (0-9)	TYPE OF CL (0-9)	HEIGHT OF LOW CLOUD	TYPE OF C _M (0-9)			TYPE OF C _H (0-9)	CHARACTERISTIC (0-8)				AMOUNT OF CHANGE (Mb and tenths)		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28				
	99	L _a L _a L _a	Q _c	L ₀ L ₀ L ₀ L ₀	YY	GG	i _w	N	dd	ff	VV	ww	W	ppp	TT	N _h	C _L	h	C _M	C _H	D _s	V _s	a	pp	0	T _s T _s	T _d T _d				
SHIP	99						00																								
SHIP	99						06																								
SHIP	99						12																								
SHIP	99						18																								

INDICATOR	SEA WATER TEMPERATURE (Degrees and tenths)	TENTHS VALUE AIR TEMP. °C	ICE ACCRETION				SEA WAVES		SWELL WAVES			SEA ICE						
			INDICATOR	SOURCE	THICKNESS	RATE	INDICATOR	PERIOD	HEIGHT (Coded)	DIRECTION (True)	PERIOD (Coded)	HEIGHT (Coded)	INDICATOR	KIND	EFFECT	BEARING	DISTANCE	ORIENTATION
29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
1	T _w T _w T _w	t _r	2	I _s	E _s E _s	R _s	3	P _w P _w	H _w H _w	d _w d _w	P _w	H _w H _w	ICE	C ₂	K	D _i	r	e
1			2				3						ICE					
1			2				3						ICE					
1			2				3						ICE					
1			2				3						ICE					

DO NOT TRANSMIT		
DRY BULB (Degrees and tenths)	WET BULB (Degrees and tenths)	SEA WATER TEMPERATURE (Degrees and tenths)
A ₁	A ₂	A ₃
Celsius	Celsius	Celsius

USS GRANVILLE S. HALL (YAG-40) DATE (GMT) 04 AUGUST 19 68
AT/PASSAGE FROM PEARL HARBOR HAWAII TO SEPIRAL OP AREA

SECTION I

TIME (GMT)	WINDS <input type="checkbox"/> IF ESTIMATED		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES		SWELL WAVES			
	DIRECTION (True)	FORCE (Knots)				DRY BULB	WET BULB	AMOUNT (Tenths)	HEIGHT	TYPE		PERIOD (Seconds)	HEIGHT (Feet)	DIRECTION (True)	PERIOD (Seconds)	HEIGHT (Feet)	
00	072	16	10	Bkn	29.89			9	1800	CU	88						
01	072	20	10	OVC	29.88			10	1800	CU ST	88						
02	072	18	8	R	29.86			10	1800	ST	88						
03	057	18.5	8	R	29.86			10	1600	ST	88						
04	057	18.5	8	R	29.86			10	1600	ST	88						
05	050	17	4	R	29.86			10	1500	ST	88						
06	050	17	6	R	29.85			10	1500	ST	88						
07	093	18	7	OVC	29.88			10	1500	ST	88						
08	084	17.5	7	OVC	29.88			9	1800	ST	88						
09	085	19	8	Bkn	29.90			8	1800	ST	88						
10	093	18	8	Bkn	29.90			8	1800	ST	88						
11	110	18	8	Bkn	29.89			8	1800	ST	88						
12	110	18	9	Bkn	29.88			8	2000	ST	88						
13	115	16	9	Bkn	29.86			8	2000	ST	88						
14	115	15	9	Bkn	29.84			8	2000	ST	88						
15	094	13	9	OVC	29.84			10	2000	ST	88						
16	107	13	10	Bkn	29.84			7	1800	ST	88						
17	092	15	10	Bkn	29.83			6	1800	ST	88						
18	090	15	10	Bkn	29.83			5	1800	CU	88						
19	078	14	10	Bkn	29.84			5	1800	CU	89	060	5	060	5	3	
20	078	14	10	Bkn	29.86			5	1800	CU	87	5	3	060	5	5	
21	092	14	10	Bkn	29.86			5	1800	CU	88	5	3	060	5	5	
22	092	14	10	Bkn	29.86			5	1800	CU	88	5	3	060	5	3	
23	103	9	10	SET	29.87			4	1800	CU	88	5	3	060	3	2	

SECTION II
SYNOPTIC OBSERVATIONS

FIRST GROUP OF MESSAGE	INDICATOR	POSITION OF SHIP			DAY OF MONTH	TIME (GMT)	WIND INDICATOR	Total Cloud Amt. (Coded)	WIND		VISIBILITY (90-99)	WEATHER		PRESSURE	AIR TEMP. (°C)	CLOUDS					COURSE OF SHIP (0-9)	SPEED OF SHIP (0-9)	3-HOUR PRESSURE TENDENCY		INDICATOR	AIR-SEA DIFF. (Coded)	DEW POINT (°C)
		LATITUDE (Degrees and tenths)	QUARTER OF GLOBE	LONGITUDE (Degrees and tenths)					DIRECTION (True) (00-36)	SPEED (True) (Knots)		PRES-ENT (00-99)	PAST (0-9)			BAROMETER CORRECTED (Mb)	AMOUNT OF LOW CLOUD	TYPE OF CL (0-9)	HEIGHT OF LOW CLOUD	TYPE OF CM (0-9)			TYPE OF CH (0-9)	CHARACTER-ISTIC (0-8)				AMOUNT OF CHANGE (Mb and tenths)
1	99	L _a L _a L _a	Q _c	L ₀ L ₀ L ₀ L ₀	YY	GG	i _w	N	dd	ff	VV	ww	W	ppp	TT	N _h	C _L	h	C _M	C _H	D _s	V _s	a	pp	0	T _s T _s	T _d T _d
SHIP	99					00																			0		
SHIP	99					06																			0		
SHIP	99					12																			0		
SHIP	99					18																			0		

INDICATOR	SEA WATER TEMPERATURE (Degrees and tenths)	TENTHS VALUE AIR TEMP. °C	ICE ACCRETION				SEA WAVES		SWELL WAVES			SEA ICE					DO NOT TRANSMIT				
			INDICATOR	SOURCE	THICKNESS	RATE	INDICATOR	PERIOD	HEIGHT (Coded)	DIRECTION (True)	PERIOD (Coded)	HEIGHT (Coded)	INDICATOR	KIND	EFFECT	BEARING	DIS-TANCE	ORIEN-TATION	DRY BULB (Degrees and tenths)	WET BULB (Degrees and tenths)	SEA WATER TEMPERATURE (Degrees and tenths)
29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	A ₁	A ₂	A ₃
1	T _w T _w T _w	t _t	2	I _s	E _s E _s	R _s	3	P _w P _w	H _w H _w	d _w d _w	P _w	H _w H _w	ICE	C ₂	K	D _i	r	e	Celsius	Celsius	Celsius
1			2				3						ICE								
1			2				3						ICE								
1			2				3						ICE								
1			2				3						ICE								

REMARKS _____ EXAMINED _____ USN, NAVIGATOR _____

USS GRANVILLE S. HALL (LCA6-40) DATE (GMT) 5 AUGUST 19 68
AT/PASSAGE FROM PEARL HARBOR HAWAII TO SPECIAL OPERA

SECTION I

TIME (GMT)	WINDS		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES		SWELL WAVES			
	<input type="checkbox"/> IF ESTIMATED	DIRECTION (True)				FORCE (Knots)	DRY BULB	WET BULB	AMOUNT (Tenths)	HEIGHT		TYPE	PERIOD (Seconds)	HEIGHT (Feet)	DIRECTION (True)	PERIOD (Seconds)	HEIGHT (Feet)
00		110	10	10	SCT	29.85			5	3000	CU	89	3	2	100	4	2
01		117	11	10	SCT	29.84			5	3000	CU	89	3	2	110	4	3
02		115	11	10	BKN	29.84			8	3000	CU SC	89	3	2	110	4	3
03		123	9	10	BKN	29.80			8	2500	CU SC	90					
04		123	9.3	10	BKN	29.78			8	2500	CU SC	90					
05		210	8	10	BKN	29.77			6	2500	CU	90					
06		205	6	10	BKN	29.76			6	2000	CU	90					
07		113	10	10	BKN	29.82			5	2000	CU	90					
08		113	8	10	BKN	29.85			5	2000	CU ST	90					
09		149	12	10	BKN	29.86			9	1800	ST	90					
10		145	12	10	BKN	29.87			6	1800	CU ST	90					
11		153	12	10	BKN	29.87			6	1800	CU	90					
12		153	12	10	BKN	29.85			6	1800	CU	90					
13		153	12	10	BKN	29.83			6	1800	CU	90					
14		248	12	10	BKN	29.80			6	1800	CU	90					
15		010	6	10	BKN	29.80			6	1800	CU	90					
16		010	7	10	BKN	29.79			7	1800	CU AS	90					
17		060	8	10	SCT	29.80			3	1800	CU AS	90					
18		060	10	10	SCT	29.83			5	2000	CU AS	90					
19		260	3.4	10	SCT	29.82			5	2000	CU ST	90					
20		240	5.5	10	SCT	29.84			5	2000	CU SC	90					
21		232	6.5	10	SCT	29.84			5	2000	CU ST	90					
22		260	3.4	10	SCT	29.84			5	2000	CU SC	90					
23		130	8.8	10	SCT	29.84			6	2000	CU SC	90					

SECTION II
SYNOPTIC OBSERVATIONS

FIRST GROUP OF MESSAGE	INDICATOR	POSITION OF SHIP			DAY OF MONTH	TIME (GMT)	WIND INDICATOR	Total Cloud Amt. (Coded)	WIND		VISIBILITY (90-99)	WEATHER		PRESSURE	AIR TEMP. (°C)	CLOUDS					COURSE OF SHIP (0-9)	SPEED OF SHIP (0-9)	3-HOUR PRESSURE TENDENCY		INDICATOR	AIR-SEA DIFF. (Coded)	DEW POINT (°C)	
		LATITUDE (Degrees and tenths)	QUARTER OF GLOBE	LONGITUDE (Degrees and tenths)					DIRECTION (True) (00-36)	SPEED (True) (Knots)		PRES-ENT (00-99)	PAST (0-9)			BAROMETER CORRECTED (Mb)	AMOUNT OF LOW CLOUD	TYPE OF CL (0-9)	HEIGHT OF LOW CLOUD	TYPE OF CM (0-9)			TYPE OF CH (0-9)	CHARACTERISTIC (0-8)				AMOUNT OF CHANGE (0-8)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
	99	La La La	Qc	L0 L0 L0 L0	YY	GG	i _w	N	dd	ff	VV	ww	W	ppp	TT	N _h	C _L	h	C _M	C _H	D _s	V _s	a	pp	0	T _s T _s	T _d T _d	
SHIP	99					00																				0		
SHIP	99					06																				0		
SHIP	99					12																				0		
SHIP	99					18																				0		

INDICATOR	SEA WATER TEMPERATURE (Degrees and tenths)	TENTHS VALUE AIR TEMP. °C	ICE ACCRETION				SEA WAVES		SWELL WAVES			SEA ICE					DO NOT TRANSMIT				
			INDICATOR	SOURCE	THICKNESS	RATE	INDICATOR	PERIOD	HEIGHT (Coded)	DIRECTION (True)	PERIOD (Coded)	HEIGHT (Coded)	INDICATOR	KIND	EFFECT	BEARING	DISTANCE	ORIENTATION	DRY BULB (Degrees and tenths)	WET BULB (Degrees and tenths)	SEA WATER TEMPERATURE (Degrees and tenths)
29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	A ₁	A ₂	A ₃
1	T _w T _w T _w	t _T	2	I _s	E _s E _s	R _s	3	P _w P _w	H _w H _w	d _w d _w	P _w	H _w H _w	ICE	C ₂	K	D _i	r	e	Celsius	Celsius	Celsius
1			2				3						ICE								
1			2				3						ICE								
1			2				3						ICE								
1			2				3						ICE								

REMARKS

EXAMINED

USN, NAVIGATOR

USS GRANVILLE S HALL (YAG-40) DATE (GMT) 6 AUGUST 19 68
AT/PASSAGE FROM PEARL HARBOR HAWAII TO SPECIAL OP AREA

SECTION I

TIME (GMT)	WINDS		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES		SWELL WAVES				
	<input type="checkbox"/> IF ESTIMATED	DIRECTION (True)				FORCE (Knots)	DRY BULB	WET BULB	AMOUNT (Tenths)	HEIGHT		TYPE	PERIOD (Seconds)	HEIGHT (Feet)	DIRECTION (True)	PERIOD (Seconds)	HEIGHT (Feet)	
00		130	5	10	BKN	29.82			5	2000	CU	90						
01		070	4.5	10	BKN	29.79			5	2000	CU	90						
02		070	4.5	10	BKN	29.77			4	2000	CU	90						
03		040	6	10	BKN	29.77			4	2000	CU	90						
04		038	7	10	BKN	29.76			3	2000	CU	90						
05		038	7	10	BKN	29.76			3	2000	CU	90						
06		038	7	10	BKN	29.76			3	2000	CU	90						
07		042	11	10	BKN	29.80			6	2000	CU Ae	90						
08		042	11	10	BKN	29.80			6	2000	CU	90						
09		050	11	10	RW	29.83			8	2000	ST CU	90						
10		050	11	10	BKN	29.84			7	2000	ST CB CU	90						
11		043	16	6	R	29.86			9	2000	ST CU	90						
12		057	12	7	R	29.86			9	2000	ST CU	90						
13		125	17.5	9	OVC	29.86			10	2000	ST	90						
14		132	12	9	OVC	29.84			10	2000	ST SE	90						
15		200	9	9	SCT	29.78			6	2000	CU	90						
16		220	9	9	SCT	29.77			6	2000	CU	90						
17		178	7	9	SCT	29.76			5	2000	CU	90						
18		070	3	9	SCT	29.75			4	2000	CU	90						
19		145	3	10	SCT	29.77			4	2000	CU	90						
20		158	2	10	SCT	29.80			3	2000	CU	90						
21		148	3	10	SCT	29.82			3	2000	CU	90						
22		140	5	10	SCT	29.83			2	2000	CU	90						
23		113	9.5	10	BKN	29.82			7	2000	CU	90						

SECTION II
SYNOPTIC OBSERVATIONS

FIRST GROUP OF MESSAGE	INDICATOR	POSITION OF SHIP					WIND INDICATOR	Total Cloud Amt. (Coded)	WIND		VISIBILITY (90-99)	WEATHER		PRESSURE	AIR TEMP. (°C)	CLOUDS					COURSE OF SHIP (0-9)	SPEED OF SHIP (0-9)	3-HOUR PRESSURE TENDENCY		INDICATOR	AIR-SEA DIFF. (Coded)	DEW POINT (°C)				
		LATITUDE (Degrees and tenths)	QUARTER OF GLOBE	LONGITUDE (Degrees and tenths)	DAY OF MONTH	TIME (GMT)			DIRECTION (True) (00-36)	SPEED (True) (Knots)		PRESENT (00-99)	PAST (0-9)			BAROMETER CORRECTED (Mb)	AMOUNT OF LOW CLOUD	TYPE OF CL (0-9)	HEIGHT OF LOW CLOUD	TYPE OF CM (0-9)			TYPE OF CH (0-9)	CHARACTERISTIC (0-8)				AMOUNT OF CHANGE (Mb and tenths)			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28				
	99	L _a L _a L _a	Q _c	L ₀ L ₀ L ₀ L ₀	YY	GG	i _w	N	dd	ff	VV	ww	W	ppp	TT	N _h	C _L	h	C _M	C _H	D _s	V _s	a	pp	0	T _s T _s	T _d T _d				
SHIP	99					00																									
SHIP	99					06																									
SHIP	99					12																									
SHIP	99					18																									

INDICATOR	SEA WATER TEMPERATURE (Degrees and tenths)	TENTHS VALUE AIR TEMP. °C	ICE ACCRETION				SEA WAVES			SWELL WAVES			SEA ICE					DO NOT TRANSMIT			
			INDICATOR	SOURCE	THICKNESS	RATE	INDICATOR	PERIOD	HEIGHT (Coded)	DIRECTION (True)	PERIOD (Coded)	HEIGHT (Coded)	INDICATOR	KIND	EFFECT	BEARING	DIS-TANCE	ORIENTA-TION	DRY BULB (Degrees and tenths)	WET BULB (Degrees and tenths)	SEA WATER TEMPERATURE (Degrees and tenths)
29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	A ₁	A ₂	A ₃
1	T _w T _w T _w	t _T	2	I _s	E _s E _s	R _s	3	P _w P _w	H _w H _w	d _w d _w	P _w	H _w H _w	ICE	C ₂	K	D _i	r	e	Celsius	Celsius	Celsius
1			2				3						ICE								
1			2				3						ICE								
1			2				3						ICE								
1			2				3						ICE								

USS GRANVILLE S. HALL (YAG-40) DATE (GMT) 7 AUGUST 19 68
AT/PASSAGE FROM PEARL HARBOR HAWAII TO SPECIAL OP AREA

SECTION I

TIME (GMT)	WINDS		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES		SWELL WAVES				
	<input type="checkbox"/> IF ESTIMATED	DIRECTION (True)				FORCE (Knots)	DRY BULB	WET BULB	AMOUNT (Tenths)	HEIGHT		TYPE	PERIOD (Seconds)	HEIGHT (Feet)	DIRECTION (True)	PERIOD (Seconds)	HEIGHT (Feet)	
00		113	9.5	10	BKN	29.82			7	2000	CU	90						
01		113	9.5	10	BKN	29.80			7	2000	CU	90						
02		113	9.5	10	BKN	29.78			7	2000	CU	90						
03		113	7	10	BKN	29.74			7	2000	CU	90						
04		150	9	10	BKN	29.74			6	2000	CU	90						
05		170	11.5	10	BKN	29.72			6	2000	CU	90						
06		223	3.5	10	SCT	29.72			5	2000	CU	90						
07		230	3	10	BKN	29.73			8	2000	CU	90						
08		200	4	10	BKN	29.74			8	2000	CU	90						
09		200	4	10	SCT	29.76			3	2000	CU	90						
10		200	4	10	SCT	29.78			2	2000	CU	90						
11		355	3	10	SCT	29.81			2	2500	CU	90						
12		358	3	10	SCT	29.81			2	2500	CU	90						
13		358	3	10	SCT	29.80			3	2000	CU	90						
14		035	3	10	SCT	29.79			4	2000	CU	90						
15		248	2	10	SCT	29.77			4	2000	CU	91						
16		248	2	10	SCT	29.75			4	2000	CU	91						
17		248	3	10	SCT	29.74			4	2000	CU	90						
18		248	3	10	SCT	29.74			4	2000	CU	90						
19		248	3	10	SCT	29.75			4	2000	CU	91						
20		105	8	10	SCT	29.77			3	2000	CU	91						
21		124	11	10	SCT	29.76			3	2000	CU	91						
22																		
23																		

SECTION II
SYNOPTIC OBSERVATIONS

FIRST GROUP OF MESSAGE	INDICATOR	POSITION OF SHIP			DAY OF MONTH	TIME (GMT)	WIND INDICATOR	Total Cloud Amt. (Coded)	WIND		VISIBILITY (90-99)	WEATHER		PRESSURE	AIR TEMP. (°C)	CLOUDS					COURSE OF SHIP (0-9)	SPEED OF SHIP (0-9)	3-HOUR PRESSURE TENDENCY		INDICATOR	AIR-SEA DIFF. (Coded)	DEW POINT (°C)	
		LATITUDE (Degrees and tenths)	QUARTER OF GLOBE	LONGITUDE (Degrees and tenths)					DIRECTION (True) (00-36)	SPEED (True) (Knots)		PRES-ENT (00-99)	PAST (0-9)			BAROMETER CORRECTED (Mb)	AMOUNT OF LOW CLOUD	TYPE OF C _L (0-9)	HEIGHT OF LOW CLOUD	TYPE OF C _M (0-9)			TYPE OF C _H (0-9)	CHARACTER-ISTIC (0-8)				AMOUNT OF CHANGE (Mb and tenths)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
	99	L _a L _a L _a	Q _c	L ₀ L ₀ L ₀ L ₀	YY	GG	i _w	N	dd	ff	VV	ww	W	ppp	TT	N _h	C _L	h	C _M	C _H	D _s	V _s	a	pp	0	T _s T _s	T _d T _d	
SHIP	99					00																				0		
SHIP	99					06																				0		
SHIP	99					12																				0		
SHIP	99					18																				0		

INDICATOR	SEA WATER TEMPERATURE (Degrees and tenths)	TENTHS VALUE AIR TEMP. °C	ICE ACCRETION				SEA WAVES			SWELL WAVES			SEA ICE					
			INDICATOR	SOURCE	THICKNESS	RATE	INDICATOR	PERIOD	HEIGHT (Coded)	DIRECTION (True)	PERIOD (Coded)	HEIGHT (Coded)	INDICATOR	KIND	EFFECT	BEARING	DISTANCE	ORIENTATION
29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
1	T _w T _w T _w	t _T	2	I _s	E _s E _s	R _s	3	P _w P _w	H _w H _w	d _w d _w	P _w	H _w H _w	ICE	C ₂	K	D _i	r	e
1			2				3						ICE					
1			2				3						ICE					
1			2				3						ICE					
1			2				3						ICE					

DO NOT TRANSMIT		
DRY BULB (Degrees and tenths)	WET BULB (Degrees and tenths)	SEA WATER TEMPERATURE (Degrees and tenths)
A ₁	A ₂	A ₃
Celsius	Celsius	Celsius

DEPARTMENT OF THE NAVY
 SHIP WEATHER OBSERVATION SHEET

USS GRANVILLE J. HALL (YAG-40) DATE (GMT) 710 W SATURDAY 27 JUL 19 68
 AT/PASSAGE FROM PHNSY TO OP AREA

SECTION I

TIME (GMT)	WINDS		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES		SWELL WAVES				
	<input type="checkbox"/> IF ESTIMATED					DRY BULB	WET BULB	AMOUNT (Tenths)	HEIGHT	TYPE		PERIOD (Seconds)	HEIGHT (Feet)	DIRECTION (True)	PERIOD (Seconds)	HEIGHT (Feet)		
00																		
01																		
02																		
03																		
04																		
05																		
06																		
07																		
08																		
09																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21			10															
22			10															
23	084	165	10	CLR	29.96			2	1600	CU	86							

SECTION II
 SYNOPTIC OBSERVATIONS

FIRST GROUP OF MESSAGE	INDICATOR	POSITION OF SHIP			DAY OF MONTH	TIME (GMT)	WIND INDICATOR	Total Cloud Amt. (Coded)	WIND		VISIBILITY (90-99)	WEATHER		PRESSURE	AIR TEMP. (°C)	CLOUDS					COURSE OF SHIP (0-9)	SPEED OF SHIP (0-9)	3-HOUR PRESSURE TENDENCY		INDICATOR	AIR-SEA DIFF. (Coded)	DEW POINT (°C)
		LATITUDE (Degrees and tenths)	QUARTER OF GLOBE	LONGITUDE (Degrees and tenths)					DIRECTION (True) (00-36)	SPEED (True) (Knots)		PRES-ENT (00-99)	PAST (0-9)			BAROMETER CORRECTED (Mb)	AMOUNT OF LOW CLOUD	TYPE OF CL (0-9)	HEIGHT OF LOW CLOUD	TYPE OF C _M (0-9)			TYPE OF C _H (0-9)	CHARACTER-ISTIC (0-8)				AMOUNT OF CHANGE (Mb and tenths)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
	99	L _a L _a L _a	Q _c	L ₀ L ₀ L ₀ L ₀	YY	GG	i _w	N	dd	ff	VV	ww	W	ppp	TT	N _h	C _L	h	C _M	C _H	D _s	V _s	a	pp	0	T _s T _s	T _d T _d
SHIP	99					00																			0		
SHIP	99					06																			0		
SHIP	99					12																			0		
SHIP	99					18																			0		

INDICATOR	SEA WATER TEMPERATURE (Degrees and tenths)	TENTHS VALUE AIR TEMP. °C	ICE ACCRETION				SEA WAVES			SWELL WAVES			SEA ICE					
			INDICATOR	SOURCE	THICKNESS	RATE	INDICATOR	PERIOD	HEIGHT (Coded)	DIRECTION (True)	PERIOD (Coded)	HEIGHT (Coded)	INDICATOR	KIND	EFFECT	BEARING	DIS-TANCE	ORIEN-TATION
29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
1	T _w T _w T _w	t _T	2	I _s	E _s E _s	R _s	3	P _w P _w	H _w H _w	d _w d _w	P _w	H _w H _w	ICE	C ₂	K	D _i	r	e
1			2				3						ICE					
1			2				3						ICE					
1			2				3						ICE					
1			2				3						ICE					

DO NOT TRANSMIT		
DRY BULB (Degrees and tenths)	WET BULB (Degrees and tenths)	SEA WATER TEMPERATURE (Degrees and tenths)
A ₁	A ₂	A ₃
Celsius	Celsius	Celsius

USS BRANVILLE S. HALL YAG-40

DATE (GMT) 1100 SUNDAY 28 JULY 19 68

AT/PASSAGE FROM PHNSY

TO SPECIAL OP AREA

SECTION I

TIME (GMT)	WINDS		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES		SWELL WAVES					
	<input type="checkbox"/> IF ESTIMATED	DIRECTION (True)				FORCE (Knots)	DRY BULB	WET BULB	AMOUNT (Tenths)	HEIGHT		TYPE	PERIOD (Seconds)	HEIGHT (Feet)	DIRECTION (True)	PERIOD (Seconds)	HEIGHT (Feet)		
00		084	16.5	10	CLR	29.96			2	1600	CU	86							
01		084	16	10	CLR	29.96			2	1600	CU	86							
02		100	17	10	SCT	29.92			4	2500	CU AC	86							
03		100	17	10	SCT	29.93			4	2500	CU AC	88	3	2	120	3	1		
04		098	9.5	10	SCT	29.94			4	2500	CU/SC	87							
05		098	12	10	OVC	29.94			9	2500	CU/SC	88	3	2	100	3	1		
06		049	12	10	OVC	29.94			9	2000	CU	87							
07		049	4.5	10	OVC	29.94			9	2000	CU	87							
08		038	4.5	10	OVC	29.96			9	2000	CU	87							
09		038	14	10	OVC	29.96			9	2000	CU	87							
10		090	14	10	SCT	29.99			4	2000	CU	87							
11		081	15	10	SCT	29.98			4	2000	CU	87							
12		081	12	10	SCT	29.97			4	2000	CU	86							
13		081	14	10	SCT	29.96			4	2000	CU	86							
14		081	14	10	SCT	29.96			4	2000	CU	87							
15		081	17	10	SCT	29.98			4	1600	CU	87							
16		082	17	10	SCT	29.98			4	1600	CU	87							
17		078	17	10	SCT	30.00			4	2500	CU	88							
18		078	17	10	SCT	30.00			4	2500	CU	88							
19		080	16	10	SCT	30.01			4	2500	CU/AC	88							
20		080	16	10	SCT	30.00			4	2500	CU/AC	88							
21																			
22		073	14.5	10	SCT	30.00			4	2500	CU/AC	88							
23		070	14.7	10	BKN	29.98			7	2500	SC/CU	88							

SECTION II
SYNOPTIC OBSERVATIONS

FIRST GROUP OF MESSAGE	INDICATOR	POSITION OF SHIP			DAY OF MONTH	TIME (GMT)	WIND INDICATOR	Total Cloud Amt. (Coded)	WIND		VISIBILITY (90-99)	WEATHER		PRESSURE	AIR TEMP. (°C)	CLOUDS					COURSE OF SHIP (0-9)	SPEED OF SHIP (0-9)	3-HOUR PRESSURE TENDENCY		INDICATOR	AIR-SEA DIFF. (Coded)	DEW POINT (°C)	
		LATITUDE (Degrees and tenths)	QUARTER OF GLOBE	LONGITUDE (Degrees and tenths)					DIRECTION (True) (00-36)	SPEED (True) (Knots)		PRES-ENT (00-99)	PAST (0-9)			BAROMETER CORRECTED (Mb)	AMOUNT OF LOW CLOUD	TYPE OF C _L (0-9)	HEIGHT OF LOW CLOUD	TYPE OF C _M (0-9)			TYPE OF C _H (0-9)	CHARACTER-ISTIC (0-8)				AMOUNT OF CHANGE (Mb and tenths)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
	99	L _a L _a L _a	Q _c	L ₀ L ₀ L ₀ L ₀	YY	GG	i _w	N	dd	ff	VV	ww	W	ppp	TT	N _h	C _L	h	C _M	C _H	D _s	V _s	a	pp	0	T _s T _s	T _d T _d	
SHIP	99																											
SHIP	99					06																						
SHIP	99					12																						
SHIP	99					18																						

INDICATOR	SEA WATER TEMPERATURE (Degrees and tenths)	TENTHS VALUE AIR TEMP. °C	ICE ACCRETION				SEA WAVES			SWELL WAVES			SEA ICE					
			INDICATOR	SOURCE	THICKNESS	RATE	INDICATOR	PERIOD	HEIGHT (Coded)	DIRECTION (True)	PERIOD (Coded)	HEIGHT (Coded)	INDICATOR	KIND	EFFECT	BEARING	DIS-TANCE	ORIENTA-TION
29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
1	T _w T _w T _w	t _r	2	I _s	E _s E _s	R _s	3	P _w P _w	H _w H _w	d _w d _w	P _w	H _w H _w	ICE	C ₂	K	D _i	r	e
1			2				3						ICE					
1			2				3						ICE					
1			2				3						ICE					

DO NOT TRANSMIT		
DRY BULB (Degrees and tenths)	WET BULB (Degrees and tenths)	SEA WATER TEMPERATURE (Degrees and tenths)
A ₁	A ₂	A ₃
Celsius	Celsius	Celsius

REMARKS

EXAMINED

USN, NAVIGATOR

USS GRANVILLE S. HALL YAG-40 DATE (GMT) TUESDAY 30 JULY 1968
 AT/PASSAGE FROM PEARL HARBOR, HAWAII TO SPECIAL OP AREA

SECTION I

TIME (GMT)	WINDS		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES		SWELL WAVES			
	<input type="checkbox"/> IF ESTIMATED	DIRECTION (True)				FORCE (Knots)	DRY BULB	WET BULB	AMOUNT (Tenths)	HEIGHT		TYPE	PERIOD (Seconds)	HEIGHT (Feet)	DIRECTION (True)	PERIOD (Seconds)	HEIGHT (Feet)
00		078	13	10	SCT	29.97			3	1800	CU	88	5	2	070	5	2
01		076	14	10	SCT	29.95			3	1800	CU	87	5	2	070	5	2
02		097	14.5	10	SCT	29.94			4	1800	CU	87	5	2	070	5	2
03		097	14	10	SCT	29.94			4	1800	CU	87	5	2	070	5	2
04		085	14	10	SCT	29.93			4	1900	CU	87	5	2	070	4	3
05		085	13	10	SCT	29.93			4	1900	CU	87	4	2	070	4	3
06		073	15	10	BKN	29.94			6	1900	CU	87					
07		074	16	10	BKN	29.94			6	2000	CU	87					
08		085	17.5	9	BKN	29.96			6	2000	CU	87					
09		080	16	9	SCT	29.95			4	2000	CU	87					
10		085	22	9	BKN	29.95			7	2000	CU	87					
11		085	22	9	BKN	29.94			7	2000	CU	87					
12		085	19	9	CLR	29.93			1	2000	CU	87					
13		085	19	9	CLR	29.93			4	2000	CU	87					
14		093	16	10	R	29.93			5	2000	CU	87					
15		078	17	10	SCT	29.92			4	2000	CU	87					
16		089	16	10	SCT	29.92			4	2000	CU	87					
17		078	15	10	SCT	29.93			4	2000	CU	87					
18		089	18	10	SCT	29.94			3	2000	CU	87	4	3	090	4	3
19		089	18	10	SCT	29.94			3	2000	CU	87	4	3	090	4	3
20		089	18	10	SCT	29.94			3	2000	CU	87	4	3	090	4	3
21		089	16	10	SCT	29.94			3	2000	CU	87	4	3	090	4	3
22		087	16	10	SCT	29.94			3	2000	CU/SC	87	3	2	090	4	3
23		087	15	10	SCT	29.93			3	2000	CU/SC	87	3	2	090	4	3

SECTION II
 SYNOPTIC OBSERVATIONS

FIRST GROUP OF MESSAGE	INDICATOR	POSITION OF SHIP			TIME		WIND INDICATOR	Total Cloud Amt. (Coded)	WIND		VISIBILITY (90-99)	WEATHER		PRESSURE		AIR TEMP. (°C)	CLOUDS					COURSE OF SHIP (0-9)	SPEED OF SHIP (0-9)	3-HOUR PRESSURE TENDENCY		INDICATOR	AIR-SEA DIFF. (Coded)	DEW POINT (°C)	
		LATITUDE (Degrees and tenths)	QUARTER OF GLOBE	LONGITUDE (Degrees and tenths)	DAY OF MONTH	TIME (GMT)			DIRECTION (True) (00-35)	SPEED (True) (Knots)		PRESENT (00-99)	PAST (0-9)	BAROMETER CORRECTED (Mb)	AMOUNT OF LOW CLOUD		TYPE OF CL (0-9)	HEIGHT OF LOW CLOUD	TYPE OF CM (0-9)	TYPE OF CH (0-9)	CHARACTERISTIC (0-8)			AMOUNT OF CHANGE (Mb. and tenths)					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		
	99	L _a L _a L _a	Q _c	L ₀ L ₀ L ₀ L ₀	YY	GG	i _w	N	dd	ff	VV	ww	W	ppp	TT	N _h	C _L	h	C _M	C _H	D _s	V _s	a	pp	0	T _s T _s	T _d T _d		
SHIP	99						00																						
SHIP	99						06																						
SHIP	99						12																						
SHIP	99						18																						

INDICATOR	SEA WATER TEMPERATURE (Degrees and tenths)	TENTHS VALUE AIR TEMP. °C	ICE ACCRETION				SEA WAVES			SWELL WAVES			SEA ICE					DO NOT TRANSMIT			
			INDICATOR	SOURCE	THICKNESS	RATE	INDICATOR	PERIOD	HEIGHT (Coded)	DIRECTION (True)	PERIOD (Coded)	HEIGHT (Coded)	INDICATOR	KIND	EFFECT	BEARING	DISTANCE	ORIENTATION	DRY BULB (Degrees and tenths)	WET BULB (Degrees and tenths)	SEA WATER TEMPERATURE (Degrees and tenths)
29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	A ₁	A ₂	A ₃
1	T _w T _w T _w	t _T	2	I _s	E _s E _s	R _s	3	P _w P _w	H _w H _w	d _w d _w	P _w	H _w H _w	ICE	C ₂	K	D _i	r	e	Celsius	Celsius	Celsius
1			2				3						ICE								
1			2				3						ICE								
1			2				3						ICE								
1			2				3						ICE								

REMARKS

EXAMINED

USN, NAVIGATOR

USS GRANVILLE S. HALL YAG-40 DATE (GMT) 31 July 19 68
AT/PASSAGE FROM PEARL HARBOR, HAWAII TO SPECIAL OP AREA

SECTION I

TIME (GMT)	WINDS <input type="checkbox"/> IF ESTIMATED		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES		SWELL WAVES			
	DIRECTION (True)	FORCE (Knots)				DRY BULB	WET BULB	AMOUNT (Tenths)	HEIGHT	TYPE		PERIOD (Seconds)	HEIGHT (Feet)	DIRECTION (True)	PERIOD (Seconds)	HEIGHT (Feet)	
00	080	15	10	SCT	29.93			4	2000	sc/cu	87						
01	080	16	10	BKN	29.92			6	2000	sc cu ST	87	3	2	090	4	3	
02	c/c				29.90						87						
03	075	15	10	SCT	29.90			5	2000	ST/cu	88						
04	072	16	10	SCT	29.89			5	1600	ST/cu	88						
05	072	17	10	SCT	29.88			5	1600	ST/cu	88						
06	078	15	10	SCT	29.91			3	1600	cu	88						
07	078	18	10	SCT	29.93			3	1600	cu	88						
08	078	19	10	SCT	29.94			4	1600	cu	88						
09	078	19	10	SCT	29.94			4	1600	cu	88						
10	085	18	10	SCT	29.95			4	1800	cu	89						
11	085	18	10	SCT	29.94			4	1800	cu	89						
12	085	18	10	SCT	29.93			4	1800	cu	89						
13	085	18	10	SCT	29.93			4	1800	cu	89						
14	080	15	10	SCT	29.91			3	2500	cu	88						
15	078	15	10	SCT	29.91			3	2500	cu	88						
16	078	13	10	SCT	29.90			2	2500	cu	88						
17	078	13	10	SCT				2	2500	cu	88						
18	078	14	10	SCT	29.90			3	2000	cu	88						
19	075	16	10	SCT	29.90			3	2000	cu	88	5	1	072	6	3	
20	075	16.5	10	SCT	29.92			3	2000	cu	88	5	1	072	6	3	
21	078	13	10	SCT	29.92			3	2000	cu	88	5	1	072	6	3	
22	078	17	10	SCT	29.93			2	2000	cu	89						
23	078	17	10	SCT	29.92			2	2000	cu	89						

SECTION II
SYNOPTIC OBSERVATIONS

FIRST GROUP OF MESSAGE	INDICATOR	POSITION OF SHIP				DAY OF MONTH	TIME (GMT)	WIND INDICATOR	Total Cloud Amt. (Coded)	WIND		VISIBILITY (90-99)	WEATHER		PRESSURE	AIR TEMP. (°C)	CLOUDS					COURSE OF SHIP (0-9)	SPEED OF SHIP (0-9)	3-HOUR PRESSURE TENDENCY		INDICATOR	AIR-SEA DIFF. (Coded)	DEW POINT (°C)			
		LATITUDE (Degrees and tenths)	QUARTER OF GLOBE	LONGITUDE (Degrees and tenths)						DIRECTION (True) (00-36)	SPEED (True) (Knots)		PRES-ENT (00-99)	PAST (0-9)			BAROMETER CORRECTED (Mb)	AMOUNT OF LOW CLOUD	TYPE OF C _L (0-9)	HEIGHT OF LOW CLOUD	TYPE OF C _M (0-9)			TYPE OF C _H (0-9)	CHARACTERISTIC (0-8)				AMOUNT OF CHANGE (Mb and tenths)		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28				
	99	L _a L _a L _a	Q _c	L ₀ L ₀ L ₀ L ₀	YY	GG	i _w	N	dd	ff	VV	ww	W	ppp	TT	N _h	C _L	h	C _M	C _H	D _s	V _s	a	pp	0	T _s T _s	T _d T _d				
SHIP	99						00																								
SHIP	99						06																								
SHIP	99						12																								
SHIP	99						18																								

INDICATOR	SEA WATER TEMPERATURE (Degrees and tenths)	TENTHS VALUE AIR TEMP. °C	ICE ACCRETION				SEA WAVES			SWELL WAVES			SEA ICE					DO NOT TRANSMIT			
			INDICATOR	SOURCE	THICKNESS	RATE	INDICATOR	PERIOD	HEIGHT (Coded)	DIRECTION (True)	PERIOD (Coded)	HEIGHT (Coded)	INDICATOR	KIND	EFFECT	BEARING	DIS-TANCE	ORIEN-TATION	DRY BULB (Degrees and tenths)	WET BULB (Degrees and tenths)	SEA WATER TEMPERATURE (Degrees and tenths)
29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	A ₁	A ₂	A ₃
1	T _w T _w T _w	t _r	2	I _s	E _s E _s	R _s	3	P _w P _w	H _w H _w	d _w d _w	P _w	H _w H _w	ICE	C ₂	K	D _i	r	e	Celsius	Celsius	Celsius
1			2				3						ICE								
1			2				3						ICE								
1			2				3						ICE								
1			2				3						ICE								

REMARKS

EXAMINED

USN, NAVIGATOR

Date 29 July 68 Ship G.S. HALL (YAG-40) Cruise No. _____

Organization _____ Recorder _____

Sunrise: Time 0630 Position: Lat. 20 20.3N, Long. 164 26.8W

Sunset: Time 1943 Position: Lat. 19.57.0N, Long. 166 23.8W

Miles travelled from 0000 hours to sunrise = _____

Miles travelled from sunrise to sunset = _____

Miles travelled from sunset to 2400 hours = _____

TIME OF FIX TYPE OF FIX LATITUDE LONGITUDE

- 1.
- 2.
- 3.
- 4.
- 5.

Hourly Positions:

Time Latitude Longitude Wind Dir. Wind Sp. Wave Dir. Wave Hgt.

0100						
0200						
0300						
0400						
0500						
0600	20 22.0N	164 21.6W				
0700	20 20.0N	164 30.8W				
0800	20 18.8N	164 37.3W				
0900	20 16.3N	164 50.8W				
1000	20 14.3N	165 00.3W				
1100	20 08.0N	165 08.2W				
1200	20 12.0N	165 15.1W				
1300	20 10.0N	165 25.8W				
1400	20 08.1N	165 35.3W				
1500	20 05.9N	165 44.6W				
1600	20 04.8N	165 52.5W				
1700	20 02.3N	166 03.1W				
1800	20 01.5N	166 10.0W				
1900	19 58.0N	166 18.9W				
2000	19 57.0N	166 27.8W				
2100						
2200						
2300						
2400						

Date 30 JULY 68 Ship G S HALL (YAG-40) Cruise No. _____

Organization _____ Recorder _____

Sunrise: Time 0644 Position: Lat. 19 39.1 N, Long. 168 14.1 W

Sunset: Time 1953 Position: Lat. 19 14.5 N, Long. 170 20.1 W

Miles travelled from 0000 hours to sunrise = _____

Miles travelled from sunrise to sunset = _____

Miles travelled from sunset to 2400 hours = _____

TIME OF FIX TYPE OF FIX LATITUDE LONGITUDE

- 1.
- 2.
- 3.
- 4.
- 5.

Hourly Positions:

Time Latitude Longitude Wind Dir. Wind Sp. Wave Dir. Wave Hgt.

0100						
0200						
0300						
0400						
0500						
0600	<u>19 40.5 N</u>	<u>168 09.0 W</u>				
0700	<u>19 39.1 N</u>	<u>168 16.2 W</u>				
0800	<u>19 37.3 N</u>	<u>168 25.0 W</u>				
0900	<u>19 36.5 N</u>	<u>168 33.9 W</u>				
1000	<u>19 33.9 N</u>	<u>168 42.9 W</u>				
1100	<u>19-31.5 N</u>	<u>168-54 W</u>				
1200	<u>19-30 N</u>	<u>169-03 W</u>				
1300	<u>19-27.5 N</u>	<u>169-12 W</u>				
1400	<u>19-25.8 N</u>	<u>169-21.1 W</u>				
1500	<u>19-24.2 N</u>	<u>169-30 W</u>				
1600	<u>19-22 N</u>	<u>169-40 N</u>				
1700	<u>19-20.0 N</u>	<u>169-49.5 W</u>				
1800	<u>19-17.3 N</u>	<u>169-58.5 W</u>				
1900	<u>19-16.1 N</u>	<u>170-08.2 W</u>				
2000	<u>19-14.5</u>	<u>170 20.1 W</u>				
2100						
2200						
2300						
2400						

Date 31 July Ship G.S. Hall (YAG40) Cruise No. _____

Organization _____ Recorder _____

Sunrise: Time 0705 Position: Lat. 19°00'00, Long. 172°02'00W

Sunset: Time 2012 Position: Lat. 18°26'12, Long. 174°04'50W

Miles travelled from 0000 hours to sunrise = _____

Miles travelled from sunrise to sunset = _____

Miles travelled from sunset to 2400 hours = _____

TIME OF FIX TYPE OF FIX LATITUDE LONGITUDE

- 1.
- 2.
- 3.
- 4.
- 5.

Hourly Positions:

Time Latitude Longitude Wind Dir. Wind Sp. Wave Dir. Wave Hgt.

0100						
0200						
0300						
0400						
0500						
0600						
0700						
0800	<u>18-58 N</u>	<u>172-12.5W</u>				
0900	<u>18-55N</u>	<u>172-22.0W</u>				
1000	<u>18-52.5N</u>	<u>172-31.3 W</u>				
1100	<u>18-49.9 N</u>	<u>172-41.3 W</u>				
1200	<u>18 45.5N</u>	<u>172-50.5W</u>				
1300	<u>18 42.9N</u>	<u>173 00 W</u>				
1400	<u>18 40.5N</u>	<u>173 10W</u>				
1500	<u>18 36.6 N</u>	<u>173 20.0W</u>				
1600	<u>18 34.5N</u>	<u>173 27.5W</u>				
1700	<u>18 31.8N</u>	<u>173 32.0W</u>				
1800	<u>18 29.0N</u>	<u>173 47.0W</u>				
1900	<u>18 26.5N</u>	<u>173 55.6W</u>				
2000	<u>18 26.0N</u>	<u>174 04.0W</u>				
2100						
2200						
2300						
2400						

Date 1 AUG 68

Ship G.S. HALL (14640)

Cruise No. ?

Organization _____

Recorder _____

Sunrise: Time 0705

Position: Lat. 18 04.0N, Long. 175 39.5W

Sunset: Time 2024

Position: Lat. 17 39, Long. 177.29W

Miles travelled from 0000 hours to sunrise = _____

Miles travelled from sunrise to sunset = _____

Miles travelled from sunset to 2400 hours = _____

TIME OF FIX	TYPE OF FIX	LATITUDE	LONGITUDE
-------------	-------------	----------	-----------

1.

2.

3.

4.

5.

Hourly Positions:

Time	Latitude	Longitude	Wind Dir.	Wind Sp.	Wave Dir.	Wave Hgt.
------	----------	-----------	-----------	----------	-----------	-----------

0100						
0200						
0300						
0400						
0500						
0600						
0700	<u>18 04.0N</u>	<u>175 39.5W</u>				
0800	<u>18 02.0N</u>	<u>175 48 W</u>				
0900	<u>18 00.0N</u>	<u>175 56.0W</u>				
1000	<u>17 58.0N</u>	<u>176 04.0W</u>				
1100	<u>17 55.0N</u>	<u>176 12.7 W</u>				
1200	<u>17 53.5N</u>	<u>176 21.0W</u>				
1300	<u>17 51.0N</u>	<u>176 29.7W</u>				
1400	<u>17 49.0N</u>	<u>176 39.0 W</u>				
1500	<u>17 46.8N</u>	<u>176 48.5 W</u>				
1600	<u>17 44.6N</u>	<u>176 58 W</u>				
1700	<u>17 42.5N</u>	<u>177 06.7 W</u>				
1800	<u>17 40.5N</u>	<u>177 15.8 W</u>				
1900	<u>17 38.5N</u>	<u>177 24.5W</u>				
2000	<u>17 37.0N</u>	<u>177 33.0W</u>				
2100						
2200						
2300						
2400						

Date 2 AUG 68 Ship GS HALL (YAG 40) Cruise No. _____

Organization _____ Recorder _____

Sunrise: Time 0731 Position: Lat. 17 25.0N Long. 179 14.0W

Sunset: Time 2024 Position: Lat. 16 56.8N, Long. 179 06.0E

Miles travelled from 0000 hours to sunrise = _____

Miles travelled from sunrise to sunset = _____

Miles travelled from sunset to 2400 hours = _____

TIME OF FIX TYPE OF FIX LATITUDE LONGITUDE

- 1.
- 2.
- 3.
- 4.
- 5.

Hourly Positions:

Time Latitude Longitude Wind Dir. Wind Sp. Wave Dir. Wave Hgt.

0100						
0200						
0300						
0400						
0500						
0600						
0700	<u>17 25.0N</u>	<u>179 14.0W</u>				
0800	<u>17 22.9N</u>	<u>179 23.0W</u>				
0900	<u>17 19.8N</u>	<u>179 32 W</u>				
1000	<u>17 17.0 N</u>	<u>179 41.0 W</u>				
1100	<u>17 14.0N</u>	<u>179 50.0W</u>				
1200	<u>17 11.0N</u>	<u>179 59.0W</u>				
1300	<u>17 09 N</u>	<u>179 55.9 E</u>				
1400	<u>17 09. N</u>	<u>179 55.9 E</u>				
1500	<u>17 09.0N</u>	<u>179 55.0E</u>				
1600	<u>17 09.0N</u>	<u>179 55.0E</u>				
1700	<u>17 05.8N</u>	<u>179 44.0E</u>				
1800	<u>17 02.8N</u>	<u>179 32.1E</u>				
1900	<u>16 58.5N</u>	<u>179 22.0E</u>				
2000	<u>16 58.0N</u>	<u>179 11.0E</u>				
2100	<u>16 55.5N</u>	<u>179 02.3E</u>				
2200						
2300						
2400						

Date 3 AUGUST 68 Ship USS G.S. HALL (YAG-40) Cruise No. _____

Organization _____ Recorder _____

Sunrise: Time 0733 Position: Lat. 16°36.8'N Long. 179°03'E

Sunset: Time 2042 Position: Lat. 16°03', Long. 176°12'

Miles travelled from 0000 hours to sunrise = _____

Miles travelled from sunrise to sunset = _____

Miles travelled from sunset to 2400 hours = _____

TIME OF FIX TYPE OF FIX LATITUDE LONGITUDE

- 1.
- 2.
- 3.
- 4.
- 5.

Hourly Positions:

Time Latitude Longitude Wind Dir. Wind Sp. Wave Dir. Wave Hgt.

0100						
0200						
0300						
0400						
0500						
0600						
0700						
0800	16-35.5N	178-00E				
0900	16-33.0N	177-50.0E				
1000	16-29.9N	177-41.5E				
1100	16-26.5N	177-32.4E				
1200	16-23.5N	177-23.2E				
1300	16-20 N	177-14.5 E				
1400	16-18.5	177-06 E				
1500	16-15.5	176-55.5 E				
1600	16-12.2	176-46.5 E				
1700	16-09.2	176-38.5 E				
1800	16-06.8	176-28.4 E				
1900	16-04.3	176-19 E				
2000	16-02 N	176-11 E				
2100						
2200						
2300						
2400						

Date 4 August 68 Ship _____ (_____) Cruise No. _____

Organization _____ Recorder _____

Sunrise: Time 0802 Position: Lat. 15 28, Long. 174 07

Sunset: Time 2055 Position: Lat. 14 53, Long. 172 07

Miles travelled from 0000 hours to sunrise = _____

Miles travelled from sunrise to sunset = _____

Miles travelled from sunset to 2400 hours = _____

TIME OF FIX TYPE OF FIX LATITUDE LONGITUDE

- 1.
- 2.
- 3.
- 4.
- 5.

Hourly Positions:

Time Latitude Longitude Wind Dir. Wind Sp. Wave Dir. Wave Hgt.

0100						
0200						
0300						
0400						
0500						
0600						
0700						
0800	15-28.5 N	174-07 E				
0900	15-25.2 N	173-58 E				
1000	15-23.0 N	173-49.2 E				
1100	15-20 N	173-40.5 E				
1200	15-16 N	173-30 E				
1300	15-13.5 N	173-22.2 E				
1400	15-12.8 N	173-13.0 E				
1500	15-07 N	173-05 E				
1600	15-04 N	172-55 E				
1700	14-57.0	172-47.5 E				
1800	14-56.0	172-38.0 E				
1900	14-56	172-27.5 E				
2000	14-56 N	172-17 E				
2100	14-53 N	172-07 E				
2200						
2300						
2400						

Date 5 Aug 68 Ship _____ (_____) Cruise No. _____

Organization _____ Recorder _____

Sunrise: Time 0821 Position: Lat. 14° 19', Long. 170-14

Sunset: Time 2115 Position: Lat. _____, Long. _____

Miles travelled from 0000 hours to sunrise = _____

Miles travelled from sunrise to sunset = _____

Miles travelled from sunset to 2400 hours = _____

TIME OF FIX TYPE OF FIX LATITUDE LONGITUDE

- 1.
- 2.
- 3.
- 4.
- 5.

Hourly Positions:

Time Latitude Longitude Wind Dir. Wind Sp. Wave Dir. Wave Hgt.

0100						
0200						
0300						
0400						
0500						
0600						
0700						
0800	<u>14-21 N</u>	<u>170-30 E</u>				
0900	<u>14-17.9 N</u>	<u>170-20.2 E</u>				
1000	<u>14-14.0 N</u>	<u>170-12.5 E</u>				
1100	<u>14-11.0 N</u>	<u>170-04.5 E</u>				
1200	<u>14-08 N</u>	<u>169-53 E</u>				
1300	<u>14-05 N</u>	<u>169-45.8 E</u>				
1400	<u>14-01.5 N</u>	<u>169-36 E</u>				
1500	<u>13-58 N</u>	<u>169-29.5 E</u>				
1600	<u>13-53.8 N</u>	<u>169-20 E</u>				
1700	<u>13-50 N</u>	<u>169-11.4 E</u>				
1800	<u>13-46.1 N</u>	<u>169-03.2 E</u>				
1900	<u>13-42.3 N</u>	<u>168-54.2 E</u>				
2000	<u>13-37 N</u>	<u>168-45 E</u>				
2100	<u>13-35 N</u>	<u>168-39 E</u>				
2200						
2300						
2400						

Date 6 Aug 68 Ship _____ (_____) Cruise No. _____

Organization _____ Recorder _____

Sunrise: Time 0837 Position: Lat. 12-59, Long. 166 52

Sunset: Time 2115 Position: Lat. _____, Long. _____

Miles travelled from 0000 hours to sunrise = _____

Miles travelled from sunrise to sunset = _____

Miles travelled from sunset to 2400 hours = _____

TIME OF FIX TYPE OF FIX LATITUDE LONGITUDE

- 1.
- 2.
- 3.
- 4.
- 5.

Hourly Positions:

Time Latitude Longitude Wind Dir. Wind Sp. Wave Dir. Wave Hgt.

0100						
0200						
0300						
0400						
0500						
0600						
0700						
0800	13-01 N	166-58 E				
0900	12-57.9 N	166-50 E				
1000	12-53 N	166-42 E				
1100	12-48.5 N	166-33.8 E				
1200	12-43 N	166-23 E				
1300	12-40.8 N	166-15.4 E				
1400	12-37.8 N	166-08.5 E				
1500	12-33.5 N	166-00.0 E				
1600	12-30.5 N	165-51.2 E				
1700	12-26.5 N	165-43.2 E				
1800	12-22.0 N	165-34.8 E				
1900	12-19.0 N	165-26.5 E				
2000	12-14 N	165-17 E				
2100	12-12.5 N	165-10 E				
2200						
2300						
2400						

Date 7 AUG 68 Ship _____ (_____) Cruise No. _____

Organization _____ Recorder _____

Sunrise: Time 0855 Position: Lat. 11°31', Long. 163°19'

Sunset: Time _____ Position: Lat. _____, Long. _____

Miles travelled from 0000 hours to sunrise = _____

Miles travelled from sunrise to sunset = _____

Miles travelled from sunset to 2400 hours = _____

TIME OF FIX TYPE OF FIX LATITUDE LONGITUDE

- 1.
- 2.
- 3.
- 4.
- 5.

Hourly Positions:

Time Latitude Longitude Wind Dir. Wind Sp. Wave Dir. Wave Hgt.

0100						
0200						
0300						
0400						
0500						
0600						
0700						
0800	11°33.8N	163°29.1E				
0900	11°31'N	163 19 E				
1000	11°29 N	163 10 E				
1100	11°27 N	163 01 E				
1200	11°25 N	162 52 E				
1300	11°22 N	162 43 E				
1400	11°21 N	162 34 E				
1500	11°20 N	162 25 E				
1600						
1700						
1800						
1900						
2000						
2100						
2200						
2300						
2400						

	Bikar		
20	1800	12° 12'	170° 33'
	20000	12° 45'	171° 38'
	0625	13° 18'	172° 38'
21	1210	13° 48'	173° 34'
	1800	14° 20'	174° 38'
	0555	15° 28'	176° 20'
22	1200	15° 40'	177° 30'
	1800	16° 15'	178° 27'
23	0800	17° 05'	179° 06'
	1800	16° 56'	179° 12'
24	0600	16° 48'	174° 53'
	0800	16° 44'	174° 23'
	1800	16° 38'	172° 23'
25	0750	16° 25'	170° 08'
SI	1345	16° 42'	169° 08'
	1800	16° 57'	168° 31'
26	0600	17° 47'	166° 33'
	1800	18° 47'	164° 10'
27	0745	19° 53'	161° 25'
	1800	20° 33'	159° 43'
	0815	21° 04'	158° 02'
		21° 18'	158° 57'

1200
 11107
 1200
 21
 30

SR	SS	SR	SS
15 Knt	1752	23 0553	1730
16 0635	1856	24 0537	1705
17 Enme	1850	25 0554	1749
18 0640	1835	26 0555	1732
19 0640	1815	27 0555	1706
20 0645	1815	28	
21 0625	1803		
22 0557	1741		

SR

S S

15

1752

16

17

18

05

16

17

A. Lingjuae

1800

11° 06'

166° 32'

18

2315

11° 04'

167° 28'

0708

10° 51'

168° 51'

0800

10° 55'

169° 01'

19

1007

10° 53'

169° 11'

1750

11 18'

170° 14'

USS BRANVILLE S. HARK YAG-40

DATE (GMT) 20 OCTOBER 19 68

AT/PASSAGE FROM ENIWETOK ATOLL

TO PEARL HARBOR, HAWAII

SECTION I

TIME (GMT)	WINDS		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES		SWELL WAVES			
	<input type="checkbox"/> IF ESTIMATED	DIRECTION (True)				FORCE (Knots)	DRY BULB	WET BULB	AMOUNT (Tenths)	HEIGHT		TYPE	PERIOD (Seconds)	HEIGHT (Feet)	DIRECTION (True)	PERIOD (Seconds)	HEIGHT (Feet)
00		069	15.6	10	OVC	29.84			10	2000	CU						
01		103	12.2	10	OVC	29.82			10	2000	CU						
02		125	8.7	10	OVC	29.79			10	2000	CU						
03		138	13.9	10	OVC	29.76			10	2000	CU						
04		142	13.9	10	OVC	29.74			10	2000	CU						
05		151	22	2	RN	29.76			10	1500	CU						
06		162	23.2	6	RN	29.77			10	1500	CU						
07		162	22	6	RN	29.79			10	1500	CU						
08		164	12	5	SCT	29.84			10	1500	CU	87					
09		120	12	5	SCT	29.86			5	1500	CU	87					
10		120	12.2	5	SCT	29.84			5	1800	CU	87					
11		110	15.4	6	OVC	29.82			5	1800	CU	88					
12		109	19	8	OVC	29.84			10	1800	ST	88					
13		110	19	8	OVC	29.85			10	1600	ST	89					
14		138	14	8	OVC	29.80			10	1600	ST	89					
15		124	13	8	BKN	29.79			7	1600	ST	89					
16		128	12	8	BKN	29.78			6	1600	ST/CU	89					
17		070	10	8	BKN	29.78			6	1600	ST/CU	89					
18		022	5	8	BKN	29.79			6	1600	ST/CU	89					
19		350	9	8	BKN	29.81			6	1800	STC	89					
20		020	10	10	OVC	29.82			10	1900	CU	89					
21		042	11	10	OVC	29.84			10	1900	CU	89					
22		052	12	10	OVC	29.84			10	1900	CU	89					
23		087	19	10	RN	29.86			10	1900	CU	89					

SECTION II
SYNOPTIC OBSERVATIONS

FIRST GROUP OF MESSAGE	INDICATOR	POSITION OF SHIP			DAY OF MONTH	TIME (GMT)	WIND INDICATOR	Total Cloud Amt. (Coded)	WIND		VISIBILITY (90-99)	WEATHER		PRESSURE	AIR TEMP. (°C)	CLOUDS					COURSE OF SHIP (0-9)	SPEED OF SHIP (0-9)	3-HOUR PRESSURE TENDENCY		INDICATOR	AIR-SEA DIFF. (Coded)	DEW POINT (°C)					
		LATITUDE (Degrees and tenths)	QUARTER OF GLOBE	LONGITUDE (Degrees and tenths)					DIRECTION (True) (00-36)	SPEED (True) (Knots)		PRES-ENT (00-99)	PAST (0-9)			BAROMETER CORRECTED (Mb)	AMOUNT OF LOW CLOUD (0-9)	TYPE OF CL (0-9)	HEIGHT OF LOW CLOUD	TYPE OF CM (0-9)			TYPE OF CH (0-9)	CHARACTER-ISTIC (0-8)				AMOUNT OF CHANGE (Mb and tenths)				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28					
	99	La La La	Qc	L0 L0 L0 L0	YY	GG	i _w	N	dd	ff	VV	ww	W	ppp	TT	N _h	C _L	h	C _M	C _H	D _s	V _s	a	pp	0	T _s T _s	T _d T _d					
SHIP	99																															
SHIP	99																															
SHIP	99																															
SHIP	99																															

INDICATOR	SEA WATER TEMPERATURE (Degrees and tenths)	TENTHS VALUE AIR TEMP. °C	ICE ACCRETION			SEA WAVES			SWELL WAVES			SEA ICE						
			INDICATOR	SOURCE	THICKNESS	RATE	INDICATOR	PERIOD	HEIGHT (Coded)	DIRECTION (True)	PERIOD (Coded)	HEIGHT (Coded)	INDICATOR	KIND	EFFECT	BEARING	DIS-TANCE	ORIEN-TATION
29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
1	T _w T _w T _w	t _T	2	I _s	E _s E _s	R _s	3	P _w P _w	H _w H _w	d _w d _w	P _w	H _w H _w	ICE	C ₂	K	D _i	r	e
1			2				3						ICE					
1			2				3						ICE					
1			2				3						ICE					
1			2				3						ICE					

DO NOT TRANSMIT		
DRY BULB (Degrees and tenths)	WET BULB (Degrees and tenths)	SEA WATER TEMPERATURE (Degrees and tenths)
A ₁	A ₂	A ₃
Celsius	Celsius	Celsius

REMARKS

EXAMINED

USN, NAVIGATOR

USS GRANVILLE S. HALL YAG-40

DATE (GMT) +12Y 21 OCTOBER 19 68

AT/PASSAGE FROM ENIWETOK ATOLL

TO PEARL HARBOR, HAWAII

SECTION I

TIME (GMT)	WINDS		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES		SWELL WAVES				
	<input type="checkbox"/> IF ESTIMATED	DIRECTION (True)				FORCE (Knots)	DRY BULB	WET BULB	AMOUNT (Tenths)	HEIGHT		TYPE	PERIOD (Seconds)	HEIGHT (Feet)	DIRECTION (True)	PERIOD (Seconds)	HEIGHT (Feet)	
00		087	19	10	OVC	29.85			9	1500								
01		087	19	10	OVC	29.82			8	1500	CU	89						
02		089	16	10	OVC	29.79			8	1500	CU	89						
03		089	18	10	OVC	29.78			8	1500	CU	89						
04		047	15	10	OVC	29.76			9	1500	CU	89						
05		012	14.8	10	OVC	29.76			10	1500	CU	89						
06		039	11	10	OVC	29.78			10	1600	CU/ST	89						
07		046	17	10	OVC	29.79			10	1600	CU/ST	89						
08		040	13	10	OVC	29.79			10	1600	ST	89						
09		032	20	6	BW	29.82			10	1500	ST/SC	89						
10		070	40	3	RW	29.84			10	1500	ST	89						
11		030	13	7	RW	29.84			10	1500	ST	89						
12		057	20	7	RW	29.78			10	1500	ST	80						
13		060	17	8	OVC	29.76			10	1800	CU	79						
14		076	19	4	RW	29.74			10	1500	CU							
15		087	25	5	OVC	29.72			10	1500	ST/CU	89						
16		087	27	4	RW	29.73			10	1500	CU	89						
17		128	20	5	OVC	29.74			10	1500	CU	89						
18		128	20	5	OVC	29.76			10	1500	CU	89						
19		128	17	5	OVC	29.78			10	1500	CU	89						
20		164	16.2	5	OVC	29.84			10	1500	CU	89						
21		167	19	8	OVC	29.84			10	1500	CU	89						
22		165	18	8	OVC	29.86			10	1500	CU	89						
23		158	18	8	OVC	29.84			10	1500	CU	89						

SECTION II
SYNOPTIC OBSERVATIONS

FIRST GROUP OF MESSAGE	INDICATOR	POSITION OF SHIP			DAY OF MONTH	TIME (GMT)	WIND INDICATOR	Total Cloud Amt. (Coded)	WIND		VISIBILITY (90-99)	WEATHER		PRESSURE	AIR TEMP. (°C)	CLOUDS					COURSE OF SHIP (0-9)	SPEED OF SHIP (0-9)	3-HOUR PRESSURE TENDENCY		INDICATOR	AIR-SEA DIFF. (Coded)	DEW POINT (°C)		
		LATITUDE (Degrees and tenths)	QUARTER OF GLOBE	LONGITUDE (Degrees and tenths)					DIRECTION (True) (00-36)	SPEED (True) (Knots)		PRES-ENT (00-99)	PAST (0-9)			BAROMETER CORRECTED (Mb)	AMOUNT OF LOW CLOUD (0-9)	TYPE OF CL (0-9)	HEIGHT OF LOW CLOUD	TYPE OF C _M (0-9)			TYPE OF C _H (0-9)	CHARACTER-ISTIC (0-8)				AMOUNT OF CHANGE (Mb and tenths)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		
	99	L _a L _a L _a	Q _c	L ₀ L ₀ L ₀ L ₀	YY	GG	i _w	N	dd	ff	VV	ww	W	ppp	TT	N _h	C _L	h	C _M	C _H	D _s	V _s	a	pp	0	T _s T _s	T _d T _d		
SHIP	99					00																							
SHIP	99					06																							
SHIP	99					12																							
SHIP	99					18																							

INDICATOR	SEA WATER TEMPERATURE (Degrees and tenths)	TENTHS VALUE AIR TEMP. °C	ICE ACCRETION				SEA WAVES			SWELL WAVES			SEA ICE					
			INDICATOR	SOURCE	THICKNESS	RATE	INDICATOR	PERIOD	HEIGHT (Coded)	DIRECTION (True)	PERIOD (Coded)	HEIGHT (Coded)	INDICATOR	KIND	EFFECT	BEARING	DIS-TANCE	ORIEN-TATION
29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
1	T _w T _w T _w	l _T	2	l _s	E _s E _s	R _s	3	P _w P _w	H _w H _w	d _w d _w	P _w	H _w H _w	ICE	C ₂	K	D _i	r	e
1			2				3						ICE					
1			2				3						ICE					
1			2				3						ICE					
1			2				3						ICE					

DO NOT TRANSMIT		
DRY BULB (Degrees and tenths)	WET BULB (Degrees and tenths)	SEA WATER TEMPERATURE (Degrees and tenths)
A ₁	A ₂	A ₃
Celsius	Celsius	Celsius

REMARKS

EXAMINED

USN, NAVIGATOR

USS GRANVILLE S. HALL YAG-40

+124
 DATE (GMT) 23 OCTOBER

19 68

AT/PASSAGE FROM ENIWETOK ATOLL

TO PEARL HARBOR, HAWAII

SECTION I

TIME (GMT)	WINDS		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES		SWELL WAVES				
	<input type="checkbox"/> IF ESTIMATED	DIRECTION (True)				FORCE (Knots)	DRY BULB	WET BULB	AMOUNT (Tenths)	HEIGHT		TYPE	PERIOD (Seconds)	HEIGHT (Feet)	DIRECTION (True)	PERIOD (Seconds)	HEIGHT (Feet)	
00		129	8.5	10	BKN	29.86			6	2000	CU							
01		120	8.5	10	BKN	29.86			6	2000	CU	89						
02		123	8	10	BKN	29.84			6	2000	CU	89						
03		127	9	10	BKN	29.80			6	2000	CU	89						
04		144	9	10	BKN	29.82			5	2000	CU	89						
05		144	9	10	BKN	29.84			5	2000	CU	89						
06		152	8	10	SCT	29.86			5	2000	CU	89						
07		147	8	10	SCT	29.89			5	2000	CU	89						
08		100	15	10	SCT	29.91			5	2000	CU	89						
09		092	14	10	SCT	29.93			4	2000	CU	89						
10		104	11	10	SCT	29.93			4	2000	CU	89						
11		083	14	10	SCT	29.93			3	2000	CU	89						
12		075	15	10	RW	29.90			5	2000	CU/NB	89						
13		075	16	10	SCT	29.89			5	2000	CU/NB	89						
14		112	17	10	RW	29.87			5	2000	CU/NB	89						
15		110	17	10	SCT	29.85			5	2000	CU/NB	89						
16		096	17	10	SCT	29.84			3	2000	CU	89						
17		092	25.5	10	SCT	29.84			3	2000	CU	89						
18		085	25.5	10	BKN	29.84			6	2000	CU	89	1.5	090			4	
19		089	22	10	BKN	29.84			6	2000	CU	89	1.5	090			4	
20		094	18	10	BKN	29.88			6	2000	CU	89	3	1.5	090	3	4	
21		090	18	10	BKN	29.88			6	2000	CU	89	3	1.5	090	3	4	
22		091	18	10	BKN	29.90			5	2000	CU	89	3	2	090	3	4	
23		091	19	10	BKN	29.90			5	2000	CU	89	3	2	090	3	4	

SECTION II
 SYNOPTIC OBSERVATIONS

FIRST GROUP OF MESSAGE	INDICATOR	POSITION OF SHIP			DAY OF MONTH	TIME (GMT)	WIND INDICATOR	Total Cloud Amt. (Coded)	WIND		VISIBILITY (90-99)	WEATHER		PRESSURE	AIR TEMP. (°C)	CLOUDS					COURSE OF SHIP (0-9)	SPEED OF SHIP (0-9)	3-HOUR PRESSURE TENDENCY		INDICATOR	AIR-SEA DIFF. (Coded)	DEW POINT (°C)	
		LATITUDE (Degrees and tenths)	QUARTER OF GLOBE	LONGITUDE (Degrees and tenths)					DIRECTION (True) (00-36)	SPEED (True) (Knots)		PRESENT (00-99)	PAST (0-9)			BAROMETER CORRECTED (Mb)	AMOUNT OF LOW CLOUD	TYPE OF CL (0-9)	HEIGHT OF LOW CLOUD	TYPE OF C _M (0-9)			TYPE OF C _H (0-9)	CHARACTERISTIC (0-9)				AMOUNT OF CHANGE (Mb and tenths)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
	99	L _a L _a L _a	Q _c	L ₀ L ₀ L ₀ L ₀	YY	GG	i _w	N	dd	ff	VV	ww	W	ppp	TT	N _h	C _L	h	C _M	C _H	D _s	V _s	a	pp	0	T _s T _s	T _d T _d	
SHIP	99						00																			0		
SHIP	99						06																			0		
SHIP	99						12																			0		
SHIP	99						18																			0		

INDICATOR	SEA WATER TEMPERATURE (Degrees and tenths)	TENTHS VALUE AIR TEMP. °C	ICE ACCRETION				SEA WAVES			SWELL WAVES			SEA ICE					
			INDICATOR	SOURCE	THICKNESS	RATE	INDICATOR	PERIOD	HEIGHT (Coded)	DIRECTION (True)	PERIOD (Coded)	HEIGHT (Coded)	INDICATOR	KIND	EFFECT	BEARING	DIS-TANCE	ORIENTA-TION
29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
1	T _w T _w T _w	t _T	2	I _s	E _s E _s	R _s	3	P _w P _w	H _w H _w	d _w d _w	P _w	H _w H _w	ICE	C ₂	K	D _i	r	e
1			2				3						ICE					
1			2				3						ICE					
1			2				3						ICE					
1			2				3						ICE					

DO NOT TRANSMIT		
DRY BULB (Degrees and tenths)	WET BULB (Degrees and tenths)	SEA WATER TEMPERATURE (Degrees and tenths)
A ₁	A ₂	A ₃
Celsius	Celsius	Celsius

REMARKS

EXAMINED

USN, NAVIGATOR

USS GRANVILLE S. HALL YAG-40

+12 Y
 DATE (GMT) 24 OCTOBER

19 68

AT/PASSAGE FROM ENIWETOK ATOLL

TO PEARL HARBOR, HAWAII

SECTION I

TIME (GMT)	WINDS		VISI-BILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES		SWELL WAVES				
	<input type="checkbox"/> IF ESTIMATED	DIRECTION (True)				FORCE (Knots)	DRY BULB	WET BULB	AMOUNT (Tenths)	HEIGHT		TYPE	PERIOD (Seconds)	HEIGHT (Feet)	DIRECTION (True)	PERIOD (Seconds)	HEIGHT (Feet)	
00		087	18	10	SCT	29.88			6	2000	CU							
01		092	18	10	SCT	29.86			6	2000	CU							
02		075	18	10	SCT	29.85			5	2000	CU							
03		082	12	10	SCT	29.84			5	2000	CU							
04		080	16	10	SCT	29.85			4	2000	CU	89	5	2	090	5	6	
05		075	16	10	SCT	29.85			4	2000	CU	89	5	2	090	5	6	
06		075	20	10	SCT	29.85			4	2000	CU	89	5	3	090	5	4	
07		075	18	10	SCT	29.87			4	2000	CU	89	5	3	090	5	4	
08		102	23	10	SCT	29.90			5	2000	CU	89						
09		101	25	10	SCT	29.92			5	2000	CU	89						
10		103	25	10	SCT	29.94			3	2000	CU	90						
11		104	19	10	SCT	29.92			2	2000	CU	89						
12		092	19	10	SCT	29.92			2	2000	CU	90						
13		092	19	10	SCT	29.90			2	2000	CU	90						
14		096	20	10	SCT	29.90			2	2000	CU	90						
15		096	20	10	SCT	29.90			2	2000	CU	90						
16		096	18	10	SCT	29.87			2	2000	CU	89						
17		092	20	10	SCT	29.87			3	2000	CU	89						
18		090	20	18	SCT	29.89			5	2000	CU	89						
19		092	21	18	SCT	29.91			5	2000	CU	89						
20		080	20	10	SCT	29.92			3	2000	CU	89	5	2	110	5	6	
21		080	21	10	SCT	29.93			3	2000	CU	89	5	2	110	5	6	
22		083	19	10	SCT	29.94			3	2000	CU	89	5	2	110	5	6	
23		080	18	10	SCT	29.93			3	2000	CU	89	5	2	110	5	6	

SECTION II
 SYNOPTIC OBSERVATIONS

FIRST GROUP OF MESSAGE	INDICATOR	POSITION OF SHIP				DAY OF MONTH	TIME (GMT)	WIND INDICATOR	Total Cloud Amt. (Coded)	WIND		VISI-BILITY (90-99)	WEATHER		PRESSURE	AIR TEMP. (°C)	CLOUDS					COURSE OF SHIP (0-9)	SPEED OF SHIP (0-9)	3-HOUR PRESSURE TENDENCY		INDICATOR	AIR-SEA DIFF. (Coded)	DEW POINT (°C)
		LATITUDE (Degrees and tenths)	QUARTER OF GLOBE	LONGITUDE (Degrees and tenths)						DIREC-TION (True) (00-35)	SPEED (True) (Knots)		PRES-ENT (00-99)	PAST (0-9)			BAROMETER CORRECTED (Mb)	AMOUNT OF LOW CLOUD	TYPE OF C _L (0-9)	HEIGHT OF LOW CLOUD	TYPE OF C _M (0-9)			TYPE OF C _H (0-9)	CHARACTER-ISTIC (0-8)				AMOUNT OF CHANGE (Mb and tenths)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
	99	L _a L _a L _a	Q _c	L ₀ L ₀ L ₀ L ₀	YY	GG	i _w	N	dd	ff	VV	ww	W	ppp	TT	N _h	C _L	h	C _M	C _H	D _s	V _s	a	pp	0	T _s T _s	T _d T _d	
SHIP	99						00																					
SHIP	99						06																					
SHIP	99						12																					
SHIP	99						18																					

INDICATOR	SEA WATER TEMPERATURE (Degrees and tenths)	TENTHS VALUE AIR TEMP. °C	ICE ACCRETION				SEA WAVES		SWELL WAVES			SEA ICE						
			INDICATOR	SOURCE	THICKNESS	RATE	INDI-CATOR	PERIOD	HEIGHT (Coded)	DIREC-TION (True)	PERIOD (Coded)	HEIGHT (Coded)	INDICATOR	KIND	EFFECT	BEAR-ING	DIS-TANCE	ORIEN-TATION
29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
1	T _w T _w T _w	t _T	2	I _s	E _s E _s	R _s	3	P _w P _w	H _w H _w	d _w d _w	P _w	H _w H _w	ICE	C ₂	K	D _i	r	e
1			2				3						ICE					
1			2				3						ICE					
1			2				3						ICE					
1			2				3						ICE					

DO NOT TRANSMIT		
DRY BULB (Degrees and tenths)	WET BULB (Degrees and tenths)	SEA WATER TEMPERATURE (Degrees and tenths)
A ₁	A ₂	A ₃
Celsius	Celsius	Celsius

REMARKS

EXAMINED

USN, NAVIGATOR

USS GRANVILLE S. HALL YAG-40 DATE (GMT) +12Y 25 OCTOBER 19 68
 AT/PASSAGE FROM ENIWETOK ATOLL TO PEARL HARBOR, HAWAII

SECTION I

TIME (GMT)	WINDS		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES		SWELL WAVES			
	<input type="checkbox"/> IF ESTIMATED	DIRECTION (True)				FORCE (Knots)	DRY BULB	WET BULB	AMOUNT (Tenths)	HEIGHT		TYPE	PERIOD (Seconds)	HEIGHT (Feet)	DIRECTION (True)	PERIOD (Seconds)	HEIGHT (Feet)
00		083	18	10	SCT	29.91			2	2000	CU	89	4	2	090	5	4
01		075	22	10	SCT	29.89			2	2000	CU	89	4	2	090	5	4
02		075	20	10	SCT	29.87			2	2000	CU	89	4	2	090	5	4
03		075	14	10	SCT	29.87			2	2000	CU	89	4	3	090	6	4
04		080	18	10	SCT	29.86			2	2000	CU	89	4	3	090	6	4
05		075	15	10	SCT	29.88			2	2000	CU	88	2.5		070	5	
06		075	15	10	SCT	29.91			2	2000	CU	88					
07		075	15	10	SCT	29.93			2	2000	CU	88					
08		091	12	10	SCT	29.96			2	2000	CU	88					
09		093	14	10	SCT	29.97			3	2000	CU	88					
10		075	14	10	SCT	29.97			3	2000	CU	88					
11		075	14	10	SCT	29.96			3	2000	CU	88					
12		095	19	10	SCT	29.94			3	2000	CU	88					
13		089	14	10	SCT	29.93			3	2000	CU	89					
14		085	15	10	SCT	29.93			3	2000	CU	89					
15		085	15	10	SCT	29.92			3	2000	CU	89					
16		075	14	10	SCT	29.91			3	2000	CU	89	8	2	090	5	3
17		070	10	10	SCT	29.93			3	2000	CU	89	3	2	080	5	3
18		070	10	10	SCT	29.93			2	2000	CU	88	3	2	080	5	3
19		070	15	10	SCT	29.94			2	2000	CU	88	3	2	080	5	3
20		070	16	10	SCT	29.96			2	2000	ST	88		1	065		4
21		073	21	10	SCT	29.98			2	2000	ST	88		1	065		4
22		075	17	10	SCT	29.97			2	2000	ST	88		1	065		4
23																	

SECTION II
 SYNOPSIS OBSERVATIONS

FIRST GROUP OF MESSAGE	INDICATOR	POSITION OF SHIP			DAY OF MONTH	TIME (GMT)	WIND INDICATOR	Total Cloud Amt. (Coded)	WIND		VISIBILITY (90-99)	WEATHER		PRESSURE	AIR TEMP. (°C)	CLOUDS					COURSE OF SHIP (0-9)	SPEED OF SHIP (0-9)	3-HOUR PRESSURE TENDENCY		INDICATOR	AIR-SEA DIFF. (Coded)	DEW POINT (°C)	
		LATITUDE (Degrees and tenths)	QUARTER OF GLOBE	LONGITUDE (Degrees and tenths)					DIRECTION (True) (00-36)	SPEED (True) (Knots)		PRES-ENT (00-99)	PAST (0-9)			BAROMETER CORRECTED (Mb)	AMOUNT OF LOW CLOUD	TYPE OF C _L (0-9)	HEIGHT OF LOW CLOUD	TYPE OF C _M (0-9)			TYPE OF C _H (0-9)	CHARACTER-ISTIC (0-9)				AMOUNT OF CHANGE (Mb and tenths)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
	99	L _a L _a L _a	Q _c	L ₀ L ₀ L ₀ L ₀	YY	GG	i _w	N	dd	ff	VV	ww	W	ppp	TT	N _h	C _L	h	C _M	C _H	D _s	V _s	a	pp	0	T _s T _s	T _d T _d	
SHIP	99					00																						
SHIP	99					06																						
SHIP	99					12																						
SHIP	99					18																						

INDICATOR	SEA WATER TEMPERATURE (Degrees and tenths)	TENTHS VALUE AIR TEMP. °C	ICE ACCRETION				SEA WAVES			SWELL WAVES			SEA ICE					DO NOT TRANSMIT				
			INDICATOR	SOURCE	THICKNESS	RATE	INDICATOR	PERIOD	HEIGHT (Coded)	DIRECTION (True)	PERIOD (Coded)	HEIGHT (Coded)	INDICATOR	KIND	EFFECT	BEARING	DIS-TANCE	ORIEN-TATION	DRY BULB (Degrees and tenths)	WET BULB (Degrees and tenths)	SEA WATER TEMPERATURE (Degrees and tenths)	
29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	A ₁	A ₂	A ₃	
1	T _w T _w T _w	t _T	2	I _s	E _s E _s	R _s	3	P _w P _w	H _w H _w	d _w d _w	P _w	H _w H _w	ICE	C ₂	K	D _i	r	e	Celsius	Celsius	Celsius	
1			2				3						ICE									
1			2				3						ICE									
1			2				3						ICE									
1			2				3						ICE									

REMARKS

EXAMINED

USN, NAVIGATOR

USS GRANVILLE S. HALL YAG-40

+11X
DATE (GMT) 27 OCTOBER 19 68

AT/PASSAGE FROM ENIWETOK ATOLL

TO PEARL HARBOR, HAWAII

SECTION I

TIME (GMT)	WINDS		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES		SWELL WAVES			
	<input type="checkbox"/> IF ESTIMATED	DIRECTION (True)				FORCE (Knots)	DRY BULB	WET BULB	AMOUNT (Tenths)	HEIGHT		TYPE	PERIOD (Seconds)	HEIGHT (Feet)	DIRECTION (True)	PERIOD (Seconds)	HEIGHT (Feet)
00		075	16	10	SCT	29.88			5	2000	CU	88	5	2	040	5	5
01		075	16	10	SCT	29.87			5	2000	CU	88	5	2	040	5	5
02		075	16	10	SCT	29.85			5	2000	CU	89	5	2	040	5	5
03		075	18	10	SCT	29.85			5	2000	CU	89	5	2	040	5	5
04		075	16	10	SCT	29.85			5	2000	CU	88	5	2	040	5	6
05		070	14	10	SCT	29.87			5	2000	CU	88	5	2	040	5	5
06		071	18	10	SCT	29.88			5	2000	CU	88	5	2	040	5	5
07		073	17.5	10	SCT	29.90			3	2000	CU	88					
08		073	18	10	SCT	29.91			2	2000	CU	88					
09		069	18	10	SCT	29.92			2	2000	CU	88					
10		064	19	10	SCT	29.92			2	2000	CU	88					
11		064	19	10	SCT	29.92			2	2000	CU	88					
12		050	15	10	SCT	29.89			2	2000	CU	88					
13		048	12	10	SCT	29.86			2	2000	CU	88					
14		050	12	10	SCT	29.86			2	2000	CU	88					
15		052	18	10	SCT	29.86			3	2000	CU	88					
16		055	18	10	SCT	29.87			4	2000	CU	88					
17		055	16	10	SCT	29.88			5	2000	CU	88					
18		065	17	10	SCT	29.89			5	2000	CU	88	5	2	060	5	5
19		065	15	10	SCT	29.93			5	2000	CU	88	5	2	060	5	5
20		070	14	10	SCT	29.93			4	2000	CU/SC	88	5	3	065	5	5
21		075	12	10	SCT	29.94			4	2000	CU/SC	88	5	3	080	5	4
22		075	14	10	SCT	29.93			4	2000	CU/SC	88					
23				# ^{ms}													

SECTION II
SYNOPTIC OBSERVATIONS

FIRST GROUP OF MESSAGE	INDICATOR	POSITION OF SHIP			DAY OF MONTH	TIME (GMT)	WIND INDICATOR	Total Cloud Amt. (Coded)	WIND		VISIBILITY (90-99)	WEATHER		PRESSURE	AIR TEMP. (°C)	CLOUDS					COURSE OF SHIP (0-9)	SPEED OF SHIP (0-9)	3-HOUR PRESSURE TENDENCY		INDICATOR	AIR-SEA DIFF. (Coded)	DEW POINT (°C)	
		LATITUDE (Degrees and tenths)	QUARTER OF GLOBE	LONGITUDE (Degrees and tenths)					DIRECTION (True) (00-35)	SPEED (True) (Knots)		PRES-ENT (00-99)	PAST (0-9)			BAROMETER CORRECTED (Mb)	AMOUNT OF LOW CLOUD	TYPE OF CL (0-9)	HEIGHT OF LOW CLOUD	TYPE OF CM (0-9)			TYPE OF CH (0-9)	CHARACTER-ISTIC (0-8)				AMOUNT OF CHANGE (Mb and tenths)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
	99	L _a L _a L _a	Q _c	L ₀ L ₀ L ₀ L ₀	YY	GG	i _w	N	dd	ff	VV	ww	W	ppp	TT	N _h	C _L	h	C _M	C _H	D _s	V _s	a	pp	0	T _s T _s	T _d T _d	
SHIP	99					00																						
SHIP	99					06																						
SHIP	99					12																						
SHIP	99					18																						

INDICATOR	SEA WATER TEMPERATURE (Degrees and tenths)	TENTHS VALUE AIR TEMP. °C	ICE ACCRETION				SEA WAVES			SWELL WAVES			SEA ICE					
			INDICATOR	SOURCE	THICKNESS	RATE	INDI-CATOR	PERIOD	HEIGHT (Coded)	DIRECTION (True)	PERIOD (Coded)	HEIGHT (Coded)	INDICATOR	KIND	EFFECT	BEAR-ING	DIS-TANCE	ORIEN-TATION
29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
1	T _w T _w T _w	t _T	2	I _s	E _s E _s	R _s	3	P _w P _w	H _w H _w	d _w d _w	P _w	H _w H _w	ICE	C ₂	K	D _i	r	e
1			2				3						ICE					
1			2				3						ICE					
1			2				3						ICE					
1			2				3						ICE					

DO NOT TRANSMIT		
DRY BULB (Degrees and tenths)	WET BULB (Degrees and tenths)	SEA WATER TEMPERATURE (Degrees and tenths)
A ₁	A ₂	A ₃
Celsius	Celsius	Celsius

REMARKS

EXAMINED

USN, NAVIGATOR

USS GRANVILLE S. HALL YAG-40

DATE (GMT) SUNDAY 28 OCTOBER 19 68

AT/PASSAGE FROM ENIWETOK ATOLL

TO PEARL HARBOR, HAWAII

SECTION I

TIME (GMT)	WINDS		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES		SWELL WAVES				
	<input type="checkbox"/> IF ESTIMATED	DIRECTION (True)				FORCE (Knots)	DRY BULB	WET BULB	AMOUNT (Tenths)	HEIGHT		TYPE	PERIOD (Seconds)	HEIGHT (Feet)	DIRECTION (True)	PERIOD (Seconds)	HEIGHT (Feet)	
00		070	15	10	BKN	29.88			7	2000	CU	88						
01		073	14	10	BKN	29.88			7	2000	CU	88						
02		073	14	10	BKN	29.86			7	2000	CU	88						
03		060	12	10	BKN	29.86			7	2000	CU	88						
04		071	13	10	BKN	29.88			7	2000	CU	88						
05		071	13	10	BKN	29.88			7	2000	CU	88						
06		060	15	10	BKN	29.70			2	2000	CU	88						
07		085	15	10	SCT	29.92			3	2000	CU	89						
08		085	18	10	SCT	29.95			4	2000	CU	88						
09		098	17	10	SCT	29.96			4	2000	CU	88						
10		095	17	10	SCT	29.96			4	2000	CU	88						
11		126	14	10	SCT	29.95			4	2000	CU	88						
12		125	14	10	SCT	29.95			2	2000	CU	88						
13		120	12	10	SCT	29.95			2	2000	CU	88						
14		100	10	10	RW	29.91			2	2000	CU	88						
15		093	15	10	SCT	29.92			3	2000	CU	88						
16		103	12	10	SCT	29.92			3	2000	CU	87						
17		095	12	10	SCT	29.94			3	2000	CU	87						
18		077	11	10	BKN	29.95			6	2000	CU	87						
19		068	11	10	BKN	29.96			6	2000	CU	87						
20		068	11	10	BKN	29.96			6	2000	CU	87						
21		068	11	10	BKN	29.98			6	2000	CU	87						
22		074	13	10	BKN	29.97			6	2000	CU	87						
23		041	13	10	BKN	29.94			6	2000	CU	87						

SECTION II
 SYNOPTIC OBSERVATIONS

FIRST GROUP OF MESSAGE	INDICATOR	POSITION OF SHIP			DAY OF MONTH	TIME (GMT)	WIND INDICATOR	Total Cloud Amt. (Coded)	WIND		VISIBILITY (90-99)	WEATHER		PRESSURE	AIR TEMP. (°C)	CLOUDS					COURSE OF SHIP (0-9)	SPEED OF SHIP (0-9)	3-HOUR PRESSURE TENDENCY		INDICATOR	AIR-SEA DIFF. (Coded)	DEW POINT (°C)			
		LATITUDE (Degrees and tenths)	QUARTER OF GLOBE	LONGITUDE (Degrees and tenths)					DIRECTION (True) (00-36)	SPEED (True) (Knots)		PRES-ENT (00-99)	PAST (0-9)			BAROMETER CORRECTED (Mb)	AMOUNT OF LOW CLOUD (0-9)	TYPE OF CL (0-9)	HEIGHT OF LOW CLOUD	TYPE OF C _M (0-9)			TYPE OF C _H (0-9)	CHARACTER-ISTIC (0-8)				AMOUNT OF CHANGE (Mb and tenths)		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28			
	99	L _a L _a L _a	Q _c	L ₀ L ₀ L ₀ L ₀	YY	GG	i _w	N	dd	ff	VV	ww	W	ppp	TT	N _h	C _L	h	C _M	C _H	D _s	V _s	a	pp	0	T _s T _s	T _d T _d			
SHIP	99						00																							
SHIP	99						06																							
SHIP	99						12																							
SHIP	99						18																							

INDICATOR	SEA WATER TEMPERATURE (Degrees and tenths)	TENTHS VALUE AIR TEMP. °C	ICE ACCRETION				SEA WAVES			SWELL WAVES			SEA ICE					
			INDICATOR	SOURCE	THICKNESS	RATE	INDICATOR	PERIOD	HEIGHT (Coded)	DIRECTION (True)	PERIOD (Coded)	HEIGHT (Coded)	INDICATOR	KIND	EFFECT	BEARING	DIS-TANCE	ORIEN-TATION
29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
1	T _w T _w T _w	t _T	2	I _s	E _s E _s	R _s	3	P _w P _w	H _w H _w	d _w d _w	P _w	H _w H _w	ICE	C ₂	K	D _i	r	e
1			2				3						ICE					
1			2				3						ICE					
1			2				3						ICE					
1			2				3						ICE					

DO NOT TRANSMIT		
DRY BULB (Degrees and tenths)	WET BULB (Degrees and tenths)	SEA WATER TEMPERATURE (Degrees and tenths)
A ₁	A ₂	A ₃
Celsius	Celsius	Celsius

REMARKS

EXAMINED

USN, NAVIGATOR

USS GRANVILLE S. HALL YAG-40 DATE (GMT) 29 OCT. +11X 19 68
AT/PASSAGE FROM ENIWETOK ATOLL TO PEARL HARBOR, HAWAII

SECTION I

TIME (GMT)	WINDS		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES		SWELL WAVES				
	<input type="checkbox"/> IF ESTIMATED	DIRECTION (True)				FORCE (Knots)	DRY BULB	WET BULB	AMOUNT (Tenths)	HEIGHT		TYPE	PERIOD (Seconds)	HEIGHT (Feet)	DIRECTION (True)	PERIOD (Seconds)	HEIGHT (Feet)	
00		029.5	10.5	10	OVCL	29.92			9	1500	CU							
01		064	15	10	OVCL	29.90			10	1400	CU							
02		060	15	10	BKN	29.90			8	2000	CU							
03		058	12	10	BKN	29.91			7	2000	CU/ST							
04		064	16	10	BKN	29.91			6	2000	CU/ST							
05		070	20	10	BKN	29.93			5	2000	CU/ST	87						
06		070	18	10	SCT	29.94			2	2000	CU							
07		075	17.5	10	SCT	29.96			4	2000	CU	87						
08		074	18	10	SCT	29.98			4	2000	CU	87						
09		080	16	10	SCT	29.97			5	2000	CU	87						
10		075	16.5	10	BKN	29.96			6	2000	CU	87						
11		086	18	10	BKN	29.96			6	2000	CU	87						
12		084	15	10	BKN	29.94			6	2000	CU	87						
13		079	14	10	BKN	29.93			6	2000	CU	87						
14		074	14	10	BKN	29.93			6	2000	CU	87						
15		079	7	10	BKN	29.93			7	2000	CU	87						
16		110	2	10	SCT	29.94			4	2000	CU	87						
17		074	7	10	SCT	29.95			8	2000	CU	87						
18		074	7	10	SCT	29.96			8	2000	CU	87						
19		066	15	10	SCT	29.99			5	2000	CU	87						
20		073	16	10	SCT	29.99			5	2000	CU	87						
21		075	15	10	SCT	29.98			5	2000	CU	87						
22		080	14	10	SCT	29.97			5	2000	CU	87						
23		085	10	10	SCT	29.92			5	2000	CU	87						

SECTION II
SYNOPTIC OBSERVATIONS

FIRST GROUP OF MESSAGE	INDICATOR	POSITION OF SHIP			DAY OF MONTH	TIME (GMT)	WIND INDICATOR	Total Cloud Amt. (Coded)	WIND		VISIBILITY (90-99)	WEATHER		PRESSURE	AIR TEMP. (°C)	CLOUDS					COURSE OF SHIP (0-9)	SPEED OF SHIP (0-9)	3-HOUR PRESSURE TENDENCY		INDICATOR	AIR-SEA DIFF. (Coded)	DEW POINT (°C)			
		LATITUDE (Degrees and tenths)	QUARTER OF GLOBE	LONGITUDE (Degrees and tenths)					DIRECTION (True) (00-36)	SPEED (True) (Knots)		PRESENT (00-99)	PAST (0-9)			BAROMETER CORRECTED (Mb)	AMOUNT OF LOW CLOUD	TYPE OF C _L (0-9)	HEIGHT OF LOW CLOUD	TYPE OF C _M (0-9)			TYPE OF C _H (0-9)	CHARACTERISTIC (0-8)				AMOUNT OF CHANGE (Mb and tenths)		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28			
	99	L _a L _a L _a	Q _c	L ₀ L ₀ L ₀ L ₀	YY	GG	i _w	N	dd	ff	VV	ww	W	ppp	TT	N _h	C _L	h	C _M	C _H	D _s	V _s	a	pp	0	T _s T _s	T _d T _d			
SHIP	99					00																								
SHIP	99					06																								
SHIP	99					12																								
SHIP	99					18																								

INDICATOR	SEA WATER TEMPERATURE (Degrees and tenths)	TENTHS VALUE AIR TEMP. °C	ICE ACCRETION				SEA WAVES			SWELL WAVES			SEA ICE					
			INDICATOR	SOURCE	THICKNESS	RATE	INDICATOR	PERIOD	HEIGHT (Coded)	DIRECTION (True)	PERIOD (Coded)	HEIGHT (Coded)	INDICATOR	KIND	EFFECT	BEARING	DIS-TANCE	ORIEN-TATION
29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
1	T _w T _w T _w	t _T	2	I _s	E _s E _s	R _s	3	P _w P _w	H _w H _w	d _w d _w	P _w	H _w H _w	ICE	C ₂	K	D _i	r	e
1			2				3						ICE					
1			2				3						ICE					
1			2				3						ICE					
1			2				3						ICE					

DO NOT TRANSMIT		
DRY BULB (Degrees and tenths)	WET BULB (Degrees and tenths)	SEA WATER TEMPERATURE (Degrees and tenths)
A ₁	A ₂	A ₃
Celsius	Celsius	Celsius

REMARKS

EXAMINED

USN, NAVIGATOR

USS GRANVILLE J. HALL YAG-40 DATE (GMT) 30 OCTOBER 19 68
AT/PASSAGE FROM ENIWETOK ATOLL TO PEARL HARBOR, HAWAII

SECTION I

TIME (GMT)	WINDS		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES		SWELL WAVES				
	<input type="checkbox"/> IF ESTIMATED	DIRECTION (True)				FORCE (Knots)	DRY BULB	WET BULB	AMOUNT (Tenths)	HEIGHT		TYPE	PERIOD (Seconds)	HEIGHT (Feet)	DIRECTION (True)	PERIOD (Seconds)	HEIGHT (Feet)	
00		078	14	10	SCT	29.91			4	2000	CU	87						
01		080	13	10	SCT	29.92			4	2000	CU	87						
02		080	15	10	SCT	29.92			4	2000	CU	87						
03		060	13	10	BKN	29.92			6	2000	CU	87						
04		079	13	10	BKN	29.94			6	2000	CU	87						
05																		
06		085	12	10	BKN	29.96			6	2000	CU	87						
07		085	12	10	BKN	29.96			6	2000	CU	87						
08		057	10	10	SCT	30.00			3	2000	CU	87						
09		057	10	10	SCT	29.99			3	2000	CU	86						
10		057	10	10	SCT	29.99			3	2000	CU	85						
11		057	10	10	SCT	30.00			4	2000	CU	85						
12		080	12	10	SCT	29.96			5	2000	CU	86						
13		105	12	10	SCT	29.95			5	2000	CU	86						
14		075	9	10	SCT	29.93			4	2000	sc/cu	86						
15		060	10	10	SCT	29.94			4	2000	sc/cu	86						
16		035	8	10	SCT	29.95			1	2000	sc/cu	86						
17		085	8	10	SCT	29.95			1	2000	sc/cu	87						
18		107	7	10	SCT	29.96			4	2000	CU	87						
19		082	5	10	SCT	29.98			4	2000	CU	87						
20		082	4	10	SCT	29.98			4	2000	CU	87						
21		082	4	8	RW	29.98			4	2000	CU	87						
22		086	5	9	OVC	29.97			4	2000	CU	86						
23		086	5	9	OVC	29.95			4	2000	CU	86						

SECTION II
SYNOPTIC OBSERVATIONS

FIRST GROUP OF MESSAGE	INDICATOR	POSITION OF SHIP			DAY OF MONTH	TIME (GMT)	WIND INDICATOR	Total Cloud Amt. (Coded)	WIND		VISIBILITY (90-99)	WEATHER		PRESSURE	AIR TEMP. (°C)	CLOUDS					COURSE OF SHIP (0-9)	SPEED OF SHIP (0-9)	3-HOUR PRESSURE TENDENCY		INDICATOR	AIR-SEA DIFF. (Coded)	DEW POINT (°C)		
		LATITUDE (Degrees and tenths)	QUARTER OF GLOBE	LONGITUDE (Degrees and tenths)					DIRECTION (True) (00-36)	SPEED (True) (Knots)		PRES-ENT (00-99)	PAST (0-9)			BAROMETER CORRECTED (Mb)	AMOUNT OF LOW CLOUD (0-9)	TYPE OF CL (0-9)	HEIGHT OF LOW CLOUD	TYPE OF CM (0-9)			TYPE OF CH (0-9)	CHARACTER-ISTIC (0-8)				AMOUNT OF CHANGE (Mb and tenths)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		
	99	L _a L _a L _a	Q _c	L ₀ L ₀ L ₀ L ₀	YY	GG	i _w	N	dd	ff	VV	ww	W	ppp	TT	N _h	C _L	h	C _M	C _H	D _s	V _s	a	pp	0	T _s T _s	T _d T _d		
SHIP	99					00																							
SHIP	99					06																							
SHIP	99					12																							
SHIP	99					18																							

INDICATOR	SEA WATER TEMPERATURE (Degrees and tenths)	TENTHS VALUE AIR TEMP. °C	ICE ACCRETION				SEA WAVES			SWELL WAVES			SEA ICE					
			INDICATOR	SOURCE	THICKNESS	RATE	INDI-CATOR	PERIOD	HEIGHT (Coded)	DIRECTION (True)	PERIOD (Coded)	HEIGHT (Coded)	INDICATOR	KIND	EFFECT	BEAR-ING	DIS-TANCE	ORIEN-TATION
29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
1	T _w T _w T _w	t _T	2	I _s	E _s E _s	R _s	3	P _w P _w	H _w H _w	d _w d _w	P _w	H _w H _w	ICE	C ₂	K	D ₁	r	e
1			2				3						ICE					
1			2				3						ICE					
1			2				3						ICE					
1			2				3						ICE					

DO NOT TRANSMIT		
DRY BULB (Degrees and tenths)	WET BULB (Degrees and tenths)	SEA WATER TEMPERATURE (Degrees and tenths)
A ₁	A ₂	A ₃
Celsius	Celsius	Celsius

USS GRANVILLE S. HALL YAG-40

DATE (GMT) 31 OCTOBER 19 68

AT/PASSAGE FROM ENIWETOK

TO PEARL HARBOR, HAWAII, OAHU

SECTION I

TIME (GMT)	WINDS		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES		SWELL WAVES				
	<input type="checkbox"/> IF ESTIMATED	DIRECTION (True)				FORCE (Knots)	DRY BULB	WET BULB	AMOUNT (Tenths)	HEIGHT		TYPE	PERIOD (Seconds)	HEIGHT (Feet)	DIRECTION (True)	PERIOD (Seconds)	HEIGHT (Feet)	
00		104	5	9	BKN	29.94			6	2000	CU	86						
01		104	5	9	BKN	29.91			6	2000	CU	86						
02		110	8	9	BKN	29.92			6	2000	CU	86						
03		107	9	9	BKN	29.92			7	2000	CU	86						
04		080	12	10	BKN	29.93			6	2000	CU	86						
05		070	12	10	BKN	29.94			6	2000	CU	87						
06		107	9	10	BKN	29.96			6	2000	CU	87						
07		098	9	10	BKN	29.97			6	2000	CU	87						
08		098	9	10	BKN	29.97			6	2000	CU	87						
09																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		

SECTION II
SYNOPTIC OBSERVATIONS

FIRST GROUP OF MESSAGE	INDICATOR	POSITION OF SHIP			DAY OF MONTH	TIME (GMT)	WIND INDICATOR	Total Cloud Amt. (Coded)	WIND		VISIBILITY (90-99)	WEATHER		PRESSURE	AIR TEMP. (°C)	CLOUDS					COURSE OF SHIP (0-9)	SPEED OF SHIP (0-9)	3-HOUR PRESSURE TENDENCY		INDICATOR	AIR-SEA DIFF. (Coded)	DEW POINT (°C)	
		LATITUDE (Degrees and tenths)	QUARTER OF GLOBE	LONGITUDE (Degrees and tenths)					DIRECTION (True) (00-36)	SPEED (True) (Knots)		PRES-ENT (00-99)	PAST (0-9)			BAROMETER CORRECTED (Mb)	AMOUNT OF LOW CLOUD (0-9)	TYPE OF CL (0-9)	HEIGHT OF LOW CLOUD	TYPE OF C _M (0-9)			TYPE OF C _H (0-9)	CHARACTERISTIC (0-8)				AMOUNT OF CHANGE (Mb and tenths)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
	99	L _a L _a L _a	Q _c	L ₀ L ₀ L ₀ L ₀	YY	GG	i _w	N	dd	ff	VV	ww	W	ppp	TT	N _h	C _L	h	C _M	C _H	D _s	V _s	a	pp	0	T _s T _s	T _d T _d	
SHIP	99					00																				0		
SHIP	99					06																				0		
SHIP	99					12																				0		
SHIP	99					18																				0		

INDICATOR	SEA WATER TEMPERATURE (Degrees and tenths)	TENTHS VALUE AIR TEMP. °C	ICE ACCRETION				SEA WAVES		SWELL WAVES			SEA ICE						
			INDICATOR	SOURCE	THICKNESS	RATE	INDICATOR	PERIOD	HEIGHT (Coded)	DIRECTION (True)	PERIOD (Coded)	HEIGHT (Coded)	INDICATOR	KIND	EFFECT	BEARING	DISTANCE	ORIENTATION
29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
1	T _w T _w T _w	t _T	2	I _s	E _s E _s	R _s	3	P _w P _w	H _w H _w	d _w d _w	P _w	H _w H _w	ICE	C ₂	K	D _i	r	e
1			2				3						ICE					
1			2				3						ICE					
1			2				3						ICE					
1			2				3						ICE					

DO NOT TRANSMIT		
DRY BULB (Degrees and tenths)	WET BULB (Degrees and tenths)	SEA WATER TEMPERATURE (Degrees and tenths)
A ₁	A ₂	A ₃
Celsius	Celsius	Celsius

REMARKS

EXAMINED

USN, NAVIGATOR