#7.

Hawaiian Explorations.

Dr. 3928 - Dr. 3945.

Hy. 4187 - Hy. 4214.

May 12th - 19th, 1902.

Next No.
Hy. 4187
D 3928

$$\begin{array}{r} 4866 \\ 700 \\ \hline 4166 \end{array} \qquad \begin{array}{r} 262 \\ 189 \\ \hline 73 \end{array} \qquad \begin{array}{r} 262 \\ 191 \\ \hline 71 \end{array}$$

706 - 808

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507.

Hutchinson

P.L. 35.9

No. Hy 4187 Date May 12-02

Sigsbee Machine. #1 Reel. Navy

Turns 2385 Cor. + 191 Depth 2,576 fms

Shot ~~or lead~~ 60 lbs.

Bottom Dr. M.

Bottom temperature 35°

No. of thermometer 98233 Cor. +0.1

Corrected temperature 35.1

Air 73 Surface 75 Drift

~~Trawl or dredge~~

SOUNDING WIRE. DOWN.	SOUNDING WIRE. UP.	TURNS.	DREDGE ROPE. DOWN.	DREDGE ROPE. UP.
2-15.30	3-27.10	0		
16.30	25.55	100		
17.20	24.35	200		
18.10	23.25 17.10 14.50	300		
19 =	13.30	400		
19.55	12.10	500		
20.50	10.55	600		
21.50	09.30	700		
22.55	08.05	800		
24 =	06.40	900		
25.05	05.15	1000		
26.15	03.50	1100		
27.15	02.25	1200		
28.25	3-00.55	1300		
29.40	59.25	1400		
30.50	57.55	1500		
32 =	56.25	1600		
33.10	55.05	1700		
34.25	53.40	1800		
35.40	52.20	1900		
37 =	50.55	2000		
38.20	49.30	2100		
39.45	47.55	2200		
41.05	46.25	2300		
42.30	2-45.00	2385 ~~2400~~		

2—571

21° 46' N 162° 40' W.

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
4600	246	3600		
2385	55	3700		
2215	191	3800		
	2385	3900		
	2576	4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Stopped heaving in when 300 fms reached; several turns slack pin on reel caused by placing pin on side of reel. Turned out the 330 fms.

Stanley P.L. 85.9

No. 4188 Hy Date 12 May 1902

Lipsber Machine. 1 Reel. Navy

Turns 2397 Cor. + 192 Depth 2,589 fms

Shot ~~or lead~~ 60#

Bottom br. M

Bottom temperature 35°

No. of thermometer 98233 Cor. +0.1

Corrected temperature 35.1

Air 77 Surface 76 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
Att. DOWN.	UP.		DOWN.	UP.
10.02.30	11.01.35	0		
03.30	11.00.25	100		
04.10	59.10	200		
04.55	58.05	300		
05.50	57.00	400		
06.45	55.45	500		
07.40	54.30	600		
08.40	53.20	700		
09.55	52.05	800		
10.55	50.50	900		
12.00	49.30	1000		
13.05	48.10	1100		
14.20	47.10	1200		
15.40	45.55	1300		
16.50	44.45	1400		
18.00	43.30	1500		
19.15	42.10	1600		
20.20	40.50	1700		
21.40	39.30	1800		
22.45	38.10	1900		
24.10	36.50	2000		
25.30	35.30	2100		
26.40	34.00	2200		
28.00	32-30	2300		
10.29.30	10.31.00	2397 2400		

2—571

22°05' N. 163°30' W.

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
4600	246	3200		
2397	54	3300		
2203	192	3400		
	2397	3500		
	2589	3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507. Arrival

P.L. = 35.9

No. Dr. 3928. Date 12 May '02.

Sirsbee Machine #1 Reel Navy.

Turns 2346 Cor. + 189 Depth 2535 fms.

Shot ~~or lead~~ 60 Lbs.

Bottom br. M.

Bottom temperature 36.6

No. of thermometer 98233. Cor. +0.1

Corrected temperature 36.7 N70°W.

Air 74. Surface 76. Drift

~~Trawl or dredge~~ Surface Net

p.m. SOUNDING WIRE. DOWN.	UP.	TURNS.	~~DREDGE ROPE.~~ DOWN.	UP.
5.22.35	6.19.00	0	Surface Net.	
23.55	17.50	100	6.32 p.	6.43 p.
24.50	16.40	200	.46 "	.56 "
25.40	15.30	300	.58 "	7.08 "
26.25	14.20	400	7.11 "	.21 "
27.25	13.15	500	.24 "	.34 "
28.25	12.10	600	.38 "	.48 "
29.30	11.00	700	.51	8.01 "
30.35	09.55	800		
31.40	08.45	900		
32.45	07.40	1000		
33.50	06.30	1100		
34.55	05.20	1200		
36.00	04.15	1300		
37.10	03.10	1400		
38.20	02.05	1500		
39.30.	6.06.00	1600		
40.40	59.50	1700		
41.50	58.40	1800		
43.05	57.20	1900		
44.15	56.00	2000		
45.30	54.35	2100		
46.50	53.05	2200		
48.15	51.30	2300		
5.49.05	5.50.35	2346 ~~2400~~		

1st Surface haul = Little quantity. many lucifer; swl lgr blue copepods; small copepods (not large number) few sagitta; few halobates; few macrurans; few sphaerozoum; siphonophore bells; yg diodon(?).

2d haul: Quantity evidently increased. Tylosurus; medusa; lgr blue copepods (calamus) smaller pink copepods (increase due to these); "bells"; sagitta; few halobates; few macrurans; pteropods-

2—571

22° 28' N. 164° 30' W.

OK
HCB.

		2500	3d Surface haul:
		2600	Genl quantity about
		2700	same, except for large
		2800	number of medusae (3
		2900	kinds); many pink
		3000	copepods; hemisphamphus,
		3100	and sevl other yg. fishes.
		3200	Halobates (as usual);
		3300	few stomatopods; few
		3400	other crustacea; 2
		3500	kinds pteropods; 6
		3600	shrimp.
		3700	
11	2346	3800	4th haul = Genl
10	189	3900	quantity about same.
10	2535	4000	Medusae many (3
10			kinds); many pink
10			
10			
10			

4600
2346
2254

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Clear and cloudy. – Gentle			
50	N. E. breeze. – Smooth sea.			
100	→ copepods; 1 myctophum, and 1 or 2 yg.			
200	fishes; halobates; few stomatopods; 2 kinds			
300	pteropods; siphonophore bells; blue			
400	calanus.			
500	5th haul: Genl quantity less. 2 or 3 medusae,			
600	1 heteropod; few copepods; 2 cephalacanthus;			
700	otherwise as before. Pteropods (4 kinds;			
800	salpa; also an occasional one in pre-			
900	vious hauls; few atlanta.			
1000	6th haul. Almost nothing. Several			

REMARKS: myctophum; sevl salpa; few halobates; few pteropods; not over 10 copepods.
7th haul: Almost nothing. Several myctophum; one flying fish; 2 or 3 salpas; no copepods; 2 or 3 macrurans.

507. Hutchinson

Pat Log 85.9

No. Hy 4189 Date 13th May 02.

Sigsbee Machine. #1 Reel. Navy.

Turns 2390 Cor. + 192 Depth 2582 fm

Shot ~~or lead~~ 60 lbs.

Bottom Dr. M.

Bottom temperature 35°

No. of thermometer 98233 Cor. +0.1

Corrected temperature 35.1

Air 73 Surface 75 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2-26.00	28.55	0		
27.05	27.40	100		
28.10	26.25	200		
29.10	25.15	300		
30.05	24 =	400		
31 =	22.50	500		
31.55	21.35	600		
33 =	20.15	700		
34.05	19.00	800		
35.10	17.50	900		
36.20	16.40	1000		
37.30	15.25	1100		
38.40	14.10	1200		
39.55	12.50	1300		
41.10	11.35	1400		
42.25	10.15	1500		
43.40	08.55	1600		
44.55	07.35	1700		
46.15	06.10	1800		
47.35	04.30	1900		
49 =	03.00	2000		
50.20	3-01.20	2100		
51.45	59.40	2200		
53.10	58.05	2300		
55 =	2-56.30	2390 ~~2400~~		

2—571

22° 37' N. 165° 18' W.

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

4600
2390
2210

246
54
192
2390
2582

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Stanley P. L. 35.9

507.

No. 4190 Hy Date 13th May 1902

Sigsbee Machine. 1 Reel. Hoey

Turns 2332 Cor. + 188 Depth 2520 Ms.

Shot ~~or lead~~ 60 #

Bottom Dr. M.

Bottom temperature 35°

No. of thermometer 98233 Cor. +0.1

Corrected temperature 35.1

Air 77 Surface 75 Drift

Trawl or dredge

SOUNDING WIRE. DOWN.	SOUNDING WIRE. UP.	TURNS.	DREDGE ROPE. DOWN.	DREDGE ROPE. UP.
10.07.10	11.04.25	0		
08.00	03.10	100		
08.50	01.55	200		
09.45	11.00.40	300		
10.30	59.25	400		
11.30	58.10	500		
12.30	57.00	600		
13.30	55.50	700		
14.30	54.40	800		
15.45	53.30	900		
16.50	52.15	1000		
17.55	50.45	1100		
19.00	49.40	1200		
20.10	48.30	1300		
21.15	47.10	1400		
22.25	46.00	1500		
23.35	44.40	1600		
24.45	43.30	1700		
26.00	42.05	1800		
27.10	40.40	1900		
28.30	39.20	2000		
29.40	38.10	2100		
31.00	36.45	2200		
32.15	35.20	2300		
10.33.60	10.34.30	2332 2400		

2—571

22° 52' N. / 166° 05' W.

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
4600	246	3500		
2332	58	3600		
2268	188	3700		
	2332	3800		
	2520	3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507.

P. L. = 85.9

No. Hy. 4191. Date 13 May '02.

Sigsbee Machine. Reel. Navy

Turns 2509 Cor. + 198 Depth 2707 fms

Shot ~~or lead~~ 60 lbs.

Bottom Br. M.

Bottom temperature 35°.-

No. of thermometer 98233. Cor. +0.1

Corrected temperature 35.1.

Air 74.- Surface 75.- Drift

Trawl or dredge

SOUNDING WIRE. DOWN.	SOUNDING WIRE. UP.	TURNS.	DREDGE ROPE. DOWN.	DREDGE ROPE. UP.
5. 00.10	6. 05.15	0		
01.00	04.05	100		
01.50	03.00	200		
02.40	01.50	300		
03.30	6. 00.40	400		
04.30	59.25	500		
05.25	58.10	600		
06.25	57.05	700		
07.25	55.50	800		
08.30	54.40	900		
09.35	53.30	1000		
10.40	52.15	1100		
11.45	51.10	1200		
12.50	50.00	1300		
14.00	48.45	1400		
15.10	47.25	1500		
16.20	46.05	1600		
17.20				
21.10	44.50	1700		
22.20	43.25	1800		
23.30	42.00	1900		
24.40	40.40	2000		
25.55	39.10	2100		
27.05	37.45	2200		
28.30	36.10	2300		
29.50	34.30	2400		

2—571

23° 18' N. 166° 52' W

5. 31.15 31.00	5.33.00 5.32.30	2500 2509 ~~2600~~		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

OK

4600
2509
2091

246
48
198

2509
198
2707

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

At 5.17 20 down, hot box on the Sirsbee.
Drift while sounding, N.N.W.

507.

Arr. Hutchinson

No. Dr. 3929. Date 13 May '02.

— Machine. — Reel. —

Turns — Cor. + — Depth —

Shot or lead —

Bottom —

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 74. Surface 75. Drift N63°W

~~Trawl or dredge~~ Surface Net.

No Sounding.

SOUNDING WIRE. DOWN.	SOUNDING WIRE. UP.	TURNS.	DREDGE ROPE. DOWN.	DREDGE ROPE. UP.
Surface Net.		0	Clear and cloudy,	
6.38 p.	6.48 p.	10/100	pleasant. Gentle	
		200	E.N.E. breeze.	
6.52 p.	7.02 p.	10/300	Smooth sea.	
		400		
7.05 p.	7.15 p.	10/500	3d Surface haul:	
		600	Slightly less ma-	
7.18 p.	7.28 p.	10/700	terial. Principally	
		800	small crustacea –	
7.31 p.	7.41 p.	10/900	some pteropods, a few	
		1000	fishes; 2 kinds of	
7.44 p.	7.54 p.	10/1100	medusae, siphon-	
		1200	ella, a few hydro-	
7.57 p.	8.07 PM	10/1300	tes; no myctophum.	
		1400		
1st Surface haul:		1500	4th Surface haul –	
Almost nothing.		1600	Quantity 1/5 less.	
3 fishes (not myctophum)		1700	Greater variety of	
few copepods; 1 physalia;		1800	crustacea; 4 kinds	
little sphaerozoum.		1900	pteropods; few small	
		2000	fishes (no myctophum)	
2d Surface haul:		2100	2 kinds medusae.	
Much material.		2200	more sphaerozoum.	
Principally copepods		2300		
other ~~minute crust~~		2400		

minute crustacea; a few macrurans; a few sagitta; very little sphaerozoum.

23° 19' N. 166° 54' W.

	2500		
	2600		
	2700		
	2800		
	2900		
	3000		
	3100		
	3200		
	3300		
	3400		
	3500		
	3600		
	3700		
	3800		
	3900		
	4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	5th Surface haul =			
50	Much less material. Many			
100	copepods; more stomatopod larvae;			
200	sphaeroeum; medusae; sagitta;			
300	phronima-like form; only few			
400	halobates; few crabs (as in previous			
500	hauls of this series); salpa.			
600				
700	6th haul =		Less material.	
800	Mostly copepods.		5 myctophum;	
900	salpa; medusae; larval stomatopods.			
1000				

REMARKS:

7th haul = Still less material. A few myctophum.

507.

Hutchinson

P. L. 35.9

No. Hy 4192 Date 14 May 02

Sigsbee Machine. #1 Reel. Navy.

Turns 2540 Cor. + 200 Depth 2740 fms

Shot ~~or lead~~ 60 lbs.

Bottom Gr. M.

Bottom temperature 35°

No. of thermometer 98233 Cor. +0.1

Corrected temperature 35.1

Air 72 Surface 72 Drift

~~Trawl or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2-11.40	18.05	0		
12.35	16.40	100		
13.20	15.25	200		
14.10	14.15	300		
15.05	12.55	400		
15.55	11.35	500		
16.55	10.10	600		
17.50	08.45	700		
18.45	07.15	800		
19.40	05.45	900		
20.40	04.25	1000		
21.40	03.05	1100		
22.40	01.40	1200		
23.45	3-00.20	1300		
24.50	59.05	1400		
25.55	57.45	1500		
27.05	56.25	1600		
28.10	55.05	1700		
29.20	53.40	1800		
30.30	52.10	1900		
31.45	50.40	2000		
33 =	49.05	2100		
34.20	47.25	2200		
35.40	45.40	2300		
37 =	43.50	2400		

2—571

23° 37' N. 167° 40' W.

2-38.20	41.45	2500		
39 =	2-40.10	2540 2600		
OK		2700		
~~400.~~		2800		
3		2900		
		3000		
		3100		
4600	246	3200		
2540	46	3300		
2060	200	3400		
	2540	3500		
	2740	3600		
2540		3700		
200		3800		
2740		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507. Sailey P. L. 88.1

No. 4193 Hy Date 14 May 1902

Sigsbee Machine. 1 Reel. Navy

Turns 1812 Cor. + 159 Depth 1969 fms

Shot ~~or lead~~ 60 #

Bottom wh. glob. Oz.

Bottom temperature 35°

No. of thermometer 98233 Cor. +0.1

Corrected temperature 35.1

Air 75 Surface 72 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.02.40	10.44.55	0		
03.30	43.45	100		
04.15	42.35	200		
05.10	41.20	300		
05.55	40.15	400		
06.50	39.05	500		
07.45	38.00	600		
08.45	36.55	700		
09.50	35.45	800		
10.55	34.30	900		
11.55	33.20	1000		
13.00	32.00	1100		
14.00	31.00	1200		
15.00	29.45	1300		
16.05	28.30	1400		
17.15	27.05	1500		
18.30	26.10	1600		
19.50	25.00	1700		
21.10	23.40	1800		
10.21.20	10.23.15	1812 ~~1900~~		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

24° 06' 10" N 168° 28' 40" W

OK
HCB

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
4600	246	3600		
1812	89	3700		
2788	157	3800		
	1812	3900		
	1969	4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507.

Stailey P. L. 98.1

~~No.~~ ~~[illegible]~~ Date 14" May 1902

Sigsbee Machine. 1 Reel. Navy

Turns Cor. + Depth

Shot or lead 60 X

Bottom

Bottom temperature

No. of thermometer 98233 Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
Am.				
11.57.45		0		
58.30		100		
59.15		200		
12.00.00		300		
00.50		400		
01.40		500		
02.30		600		
03.30		700		
		752 800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Gruesd

2—571

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
4600	246	3600		
752	171	3700		
3848	725	3800		
	752	3900		
	827	4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

At 12:03.30 Sounding wire parted, loosing 827 fms wire, sounding cup and thermometer #98233 also small lead. Wire evidently jumped reel and then carried away

~~Stanley~~ Arnkil P. L. = 98.1

No. 4194 Ag Date 14 May 1902

Sigsbee Machine. 1 Reel. Adog

Turns 1589 Cor. + 114 Depth 1703 fms

Shot ~~or lead~~ 60 #

Bottom wh. Glob. Oz.

Bottom temperature 35.1

No. of thermometer 92446 Cor.

Corrected temperature

Air 75. Surface 74. Drift

Trawl or dredge

P.m SOUNDING WIRE. DOWN.	UP.	TURNS.	DREDGE ROPE. DOWN.	UP.
12.36.35	13.35	0		
37.30	12.35	100		
38.15	11.30	200		
39.05	10.15	300		
39.55	09.05	400		
40.50	07.50	500		
41.50	06.30	600		
42.50	05.10	700		
43.50	03.50	800		
44.50	02.35	900		
45.55	01.20	1000		
47.00	1.00.05	1100		
48.10	58.45	1200		
49.20	57.30	1300		
50.30	56.20	1400		
51.40	55.10	1500		
12.53.00	12.53.50	1589 1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

24° 15' 50" N 168° 31' W.

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
4600	246	3700		
752	75	3800		
3848	171			
1589	57	3900		
2259	114	4000		
	1589			

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		1703 fms		
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507. Arnkil

P. L. = 0.1

No. Hy 4195. Date 14 May '02

Sigsbee Machine. #1 Reel. Navy

Turns 1513 Cor. + 109 Depth 1622 fms.

Shot ~~or lead~~ 60 Lbs.

Bottom wh. glob. Oz.

Bottom temperature 35.1

No. of thermometer 92446. Cor.

Corrected temperature

Air 73. Surface 74. Drift

Trawl or dredge

P.m. SOUNDING WIRE. DOWN.	UP.	TURNS.	DREDGE ROPE. DOWN.	UP.
1.35.35	2.10.15	0		
36.25	09.30	100		
37.15	08.20	200		
38.05	07.15	300		
39.00	06.00	400		
40.00	04.50	500		
40.55	03.45	600		
41.50	02.35	700		
42.55	01.20	800		
44.00	2.00.15	900		
45.05	59.00	1000		
46.15	57.45	1100		
47.20	56.30	1200		
48.30	55.25	1300		
49.45	54.10	1400		
50.55	? *	1500		
1.51.00	1.52.00	1513 ~~1600~~		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

* Register failed to work.

2—571

24° 17' 50" N 168° 31' 30" W

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
3848	171	3600		
1512	62	3700		
2335	109	3800		
	1513	3900		
	1622	4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507.

Arikiri

P.L. = 2.1

No. Hy. 4196. Date 14 May. 02.

Sigsbee Machine. #1. Reel. Navy

Turns 1262 Cor. + 94 Depth 1356 fms.

Shot ~~or lead~~ 60 Lbs.

Bottom wh. glob. Oz.

Bottom temperature 35.5

No. of thermometer 92446. Cor.

Corrected temperature

Air 74. Surface 74. Drift

Trawl or dredge

P. III

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2.38.00	3.06.20	0		
38.55	05.10	100		
39.50	04.00	200		
40.50	02.45	300		
41.45	01.30	400		
42.40	3.00.20	500		
43.35	59.15	600		
44.35	58.05	700		
45.40	56.55	800		
46.40	55.45	900		
47.45	54.40	1000		
48.50	53.30	1100		
50.00	52.20	1200		
2.50.35	2.51.30	1262 1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

24° 18' 10" N 168° 29' 20" W

OK
JCB.

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
3848	171	3600		
1262	77	3700		
2586	98	3800		
	1262	3900		
	1356 fms.	4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507. ~~Hutchinson~~

PL. = 6.7

No. Hy. 4197. Date 14 May '02.

Sigsbee Machine. 1. Reel. Navy

Turns 1595 Cor. + 114 Depth 1709 fms.

Shot ~~or lead~~ 60 lbs.

Bottom wh. glob oz

Bottom temperature 35.1°

No. of thermometer 92446. Cor.

Corrected temperature

Air 74.– Surface 74.– Drift

~~Trawl or dredge~~

Fm. SOUNDING WIRE. DOWN.	UP.	TURNS.	DREDGE ROPE. DOWN.	UP.
3.– 49.50	4.24.30	0		
50.40	23.30	100		
51.30	22.30	200		
52.20	21.30	300		
53.10	20.25	400		
54.05	19.20	500		
54.55	18.20	600		
55.50	17.10	700		
56.50	16.05	800		
57.50	15.00	900		
58.50	13.55	1000		
59.50	12.45	1100		
4.– 00.55	11.40	1200		
02.05	10.30	1300		
03.05	08.20	1400		
04.10	07.05	1500		
05.05	4.– 06.35	1595 ~~1600~~		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

24° 18' 50" N 168° 25' W

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
3848	171	3600		
1595	57	3700		
2253	114	3800		
	1595	3900		
	1709 fms.	4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Pat Log 10.1

507.

Hutchinson

No. H4 4198 Date 14 May 02

Sigsbee Machine. #1 Reel. Many

Turns 1595 Cor. + 114 Depth 1709 fms

Shot ~~or lead~~ 60 lbs

Bottom wh glob oz

Bottom temperature 35.10

No. of thermometer 92446 Cor.

Corrected temperature

Air 74 Surface 74 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5-02.10	38.10	0		
03.05	36.55	100		
03.50	35.50	200		
04.40	34.50	300		
05.35	33.45	400		
06.30	32.35	500		
07.30	31.30	600		
08.25	30.20	700		
09.25	29.10	800		
10.30	28.10	900		
11.30	27.10	1000		
12.35	25.55	1100		
13.40	24.45	1200		
14.40	23.30	1300		
15.50	22.10	1400		
16.55	21.00	1500		
5.18.00	5.19.30	1595		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

24° 22' 40" N 168° 25' 55" W

OK
[illegible]

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
3848	171	3500		
1595	57	3600		
2253	114	3700		
	1595	3800		
	1709	3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507.

Hutchinson

Cat Log 14.1

No. Hy 4199 Date 14th May '02.

Sigsbee Machine. # 1 Reel. Navy.

Turns 1430 Cor. + 104 Depth 1534 fms

Shot ~~or lead~~ 60 lbs

Bottom Marg Parts

Bottom temperature 35.2

No. of thermometer 92446 Cor.

Corrected temperature

Air 73 Surface 74 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
6-12.40	46.30	0		
13.45	45.25	100		
14.50	44.25	200		
15.45	43.20	300		
16.45	42.20	400		
17.45	41.20	500		
18.50	40.15	600		
20 00	39.10	700		
21.15	38 05	800		
22.30	37 05	900		
23.40	36 00	1000		
24.50	34.50	1100		
26 =	33.35	1200		
27.10	32.20	1300		
28.20	31 00	1400		
28.50	6-30.20	1430 ~~1500~~		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

24° 21' 40" N 168° 30' 10" W

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
3848	171	3600		
1430	67	3700		
2418	104	3800		
	1430	3900		
	1534	4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507. Hutchinson Stanley

Pat Log. 18.1

No. Hy 4200 Date 14 May 02.

Tigsbee Machine. #1 Reel. Navy.

Turns 1600 Cor. + 114 Depth 1714 fm

Shot ~~or lead~~ 60 lbs.

Bottom Glob. Oz.

Bottom temperature 35.1

No. of thermometer 92446 Cor.

Corrected temperature

Air 73 Surface 72 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
P.M. 7-28.45	8.09.40	0		
30.05	08.30	100		
31.20	07.20	200		
32.30	06.05	300		
33.30	04.50	400		
34.30	03.45	500		
35.30	02.35	600		
36.40	01.25	700		
37.50	8.00.10	800		
39.05	59.00	900		
40.20	57.50	1000		
41.35	56.40	1100		
42.50	55.25	1200		
44.05	54.10	1300		
45.25	52.50	1400		
46.50	51.30	1500		
48.20	7.49.50	1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

24° 20' 40" N 168° 34' 25" W

OK
JCB.
2

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
3848	171	3600		
1600	57	3700		
2248	114	3800		
	1600	3900		
	1714	4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Shelley P. Log. 26.1

507.

No. 4201 Hy Date 14 May 1902

Sigsbee Machine. 1 Reel. Navy

Turns 1709 Cor. + 121 Depth 1830 fms

Shot ~~or lead~~ #60

Bottom wh Glob Gy.

Bottom temperature 35°

No. of thermometer 92446 Cor.

Corrected temperature

Air 73 Surface 72 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
P.M. DOWN.	UP.		DOWN.	UP.
9.25.40	10.06.30	0		
26.50	05.20	100		
27.50	04.10	200		
28.45	03.00	300		
29.40	01.50	400		
30.40	10.00.45	500		
31.45	59.40	600		
32.45	58.25	700		
33.50	57.15	800		
35.00	56.00	900		
36.10	54.50	1000		
37.15	53.40	1100		
38.25	52.30	1200		
39.40	51.15	1300		
40.55	50.00	1400		
42.15	48.50	1500		
43.35	47.30	1600		
44.55	9.46.00	1700		
9 45.15	~~46.00~~	1709 ~~1800~~		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

24° 12' 55" N / 168° 32' 20" W

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
3848	171	3600		
1709	50	3700		
2139	121	3800		
	1709	3900		
	1830	4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Stanley

P. Log 36-1

No. 4202 Hy Date 14th May 1902

Sipsel Machine. 1 Reel. Ndoy

Turns 1538 Cor. + 111 Depth 1649 fms

Shot or lead # 60

Bottom wh Glob Bz

Bottom temperature 35.2

No. of thermometer 92446 Cor.

Corrected temperature

Air 72 Surface 72 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
~~11.33.30~~	12.13.00	0		
34.30	11.45	100		
35.25	10.25	200		
36.30	09.00	300		
37.50	07.40	400		
39.00	06.25	500		
40.10	05.15	600		
41.25	04.00	700		
42.30	02.40	800		
43.45	01.20	900		
45.00	12.00.10	1000		
46.05	58.50	1100		
47.15	57.30	1200		
48.30	56.20	1300		
49.45	54.55	1400		
50.55	53.25	1500		
11.51.30	11.52.40	1538 1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

24° 12' 35" N 168° 43' 15" W

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
3848	171	3600		
1538	60	3700		
2310	111	3800		
	1538	3900		
	1649	4000		

OK H.C.B.

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

P.d. = 61.1

507.

No. Hy 4203 Date 15 May 02.

Sigsbee Machine. / Reel. Navy

Turns 2418 Cor. + 150 Depth 2568 fms.

Shot ~~or lead~~ 69 lbs.

Bottom M

Bottom temperature 35.—

No. of thermometer 92446 Cor.

Corrected temperature

Air 72 Surface 72 Drift

Trawl or dredge

a.m. SOUNDING WIRE. DOWN.	UP.	TURNS.	DREDGE ROPE. DOWN.	UP.
3. 29.00	4.36.00	0		
30.30	34.50	100		
31.25	33.45	200		
32.25	32.35	300		
33.30	31.30	400		
34.35	30.25	500		
35.40	29.10	600		
36.55	28.00	700		
38.05	26.50	800		
39.20	25.40	900		
40.35	24.25	1000		
42.05	23.05	1100		
43.20	21.45	1200		
44.45	20.25	1300		
46.25	19.00	1400		
47.55	17.35	1500		
49.20	16.05	1600		
50.50	14.40	1700		
52.10	13.15	1800		
53.40	11.45	1900		
55.05	10.15	2000		
56.30	08.40	2100		
58.00	07.05	2200		
59.30	05.30	2300		
4. 01.00	4.03.40	2400		
4. 01.20	4.03.05	2418		

2+571

24° 11' N 169° 10' W

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
3848	171	3700		
2418	21	3800		
1430	150	3900		
	2418	4000		
	2568			

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Hutchinson

Pat Log 11.1

No. Hy 4204 Date 15 May 02

Sigsbee Machine #1 Reel. Navy

Turns 2510 Cor. + 153 Depth 2663 fm

Shot ~~or lead~~ 60 lbs

Bottom b M.

Bottom temperature 35°

No. of thermometer 92446 Cor.

Corrected temperature

Air 75 Surface 74 Drift

Trawl or dredge

SOUNDING WIRE. DOWN.	SOUNDING WIRE. UP.	TURNS.	DREDGE ROPE. DOWN.	DREDGE ROPE. UP.
11-06.45	03.50	0		
07.40	02.50	100		
08.35	01.45	200		
09.30	12-00.40 P.M.	300		
10.35	59.30	400		
11.40	58.25	500		
12.45	57.20	600		
13.55	56.10	700		
15 =	55 =	800		
16.10	54 =	900		
17.30	52.50	1000		
18.50	51.45	1100		
20.10	50.40	1200		
21.35	49.25	1300		
23 =	48.10	1400		
24.20	46.45	1500		
25.40	45.30	1600		
27.05	44.15	1700		
28.20	43 =	1800		
29.45	41.35	1900		
31.05	40.15	2000		
32.25	38.55	2100		
33.50	37.35	2200		
35.10	36.15	2300		
36.35	34.55	2400		

2—571

24° 34' 24" N 170° 07' W

38 00	33.25	2500		
38 10	11-33.25	~~2570~~ 2600		
OK		2700		
HCG.		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
3848	171	3700		
2510	18	3800		
1338	153	3900		
	2510			
	2663	4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

* Set watch back 6 min.

507.

Stairey P.L.

No. 3930 Dr. Date 15 May 1902

Sipsbee Machine. Reel. Navy

Turns Cor. + Depth

Shot ~~or lead~~ 60 #

Bottom Did not sound.

Bottom temperature

No. of thermometer 92446 Cor.

Corrected temperature

Air 74 Surface 74 Drift N 50° W.

~~Trawl or dredge~~ Surface Nets. port 4th Stbd

SOUNDING WIRE. DOWN.	UP.	TURNS.	DREDGE ROPE. DOWN.	UP.
		0	Surface Net.	
		100	6.37 p	6.47 p
		200		
		300	6.51 p	7.01 p
		400		
		500	7.05 p	7.15 p
		600		
		700	7.18 p	7.28 p
		800		
		900	7.31 p	7.41 p
		1000		
		1100	7.45 p	7.55 p
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

1st Surface haul: 6 ostracium galeodon; 2 fish unidentified; 1 porpita; many diphyopsis bells; many sagitta; sevl phronima; sevl sphaerozoum; many halobates; blue and pink copepods — not in quantity.

2d Surface haul: Increase 3 or 4 times. 5 ostracium galeodon; 1 cypsilurus; 1 exocoetus; 1 naucrates; seriola; yg. fish unidentified; heteropod; diphyopsis; medusae; sphaerozoum; halobates; few sagitta; salpa; few pteropods; crustacea in large amount.

3d Surface haul: Increased quantity. Hassy stomatopods (1st appearance); sevl addn'l kinds unidentified fishes; more ostracium; many more pteropods; 1 medusa. Quantity is largely due to small crustacea. Other things as noted before. 2 or 3 myctophum.

2—571

25° 07' N. 170° 50' W.

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
3848	171	3600		
		3700		
10		3800		
		3900		
10		4000		

10

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
10 25	Clear and pleasant.			
10 50	Cool breeze; light			
100	Calm.			
200				
10 300	4th Surface haul: About same amt.			
400	no special change. 2 kinds octopus;			
500	numerous pteropods; many stomatopods;			
600	no ostracium; mainly crustacea.			
700				
800	5th Surface haul: Decided falling off.			
900	many myctophum; flying fish;			
1000	medusa; many salpa-like forms; fewer			
	copepods.			

REMARKS:

6th haul: About as 5th haul.
2 larval peristedion; 1 pegasus;
fewer copepods.

P.L. = 64.5

507.

Arnkil

No. Hy 4205 Date 15 May '02

Lyschee Machine. #1 Reel. Navy

Turns 1184 Cor. + 89 Depth 1273 fms.

~~Shot or lead~~ 60 Lbs.

Bottom wh. glob. Oz.

Bottom temperature 35.8

No. of thermometer 92446 Cor.

Corrected temperature

Air 74. Surface 74. Drift

Trawl or dredge

Pm SOUNDING WIRE. DOWN.	UP.	TURNS.	DREDGE ROPE. DOWN.	UP.
8.01.00	8.31.20	0		
02.25	30.10	100		
03.40	28.50	200		
04.45	27.45	300		
05.55	26.30	400		
07.00	25.25	500		
08.05	24.10	600		
09.15	23.00	700		
10.30	21.55	800		
11.50	20.40	900		
13.10	19.30	1000		
14.30	18.20	1100		
8.15.40	8.17.10	1184 ~~1200~~		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

25° 10' N. 170° 52' W.

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
3848	171	3700		
1184	82	3800		
2664	89	3900		
	1184			
	1273 fms	4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507.

Arnkil

No. Dr. 3931 Date 15 May 02

Machine. Reel.

Turns Cor. + Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer Cor.

Corrected temperature

No sounding

Air 7 Surface 7 Drift N 50° W.

~~Trawl or dredge~~ 2 Surface Nets.

SOUNDING WIRE. DOWN.	SOUNDING WIRE. UP.	TURNS.	DREDGE ROPE. DOWN.	DREDGE ROPE. UP.
Port		0	Starboard	
11.01 p.	11.11 p.	10 / 100	11.00 p.	11.10 p.
		200		
11.16 p.	11.26 p.	10 / 300	11.14 p.	11.24 p.
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

1st haul = As a whole, meager. 6 kinds fishes; 1 porpita; halobates; larval crabs not abundant; sivl stomatopods (2 sp.); cephalopod (inioteuthis); few small phronima; ? mysis, few; sphaerozoum; diphyoides; sivl ctenophores, small fish eggs; copepods, scant and small; hydromedusae; sagitta.

2d haul = Same as last. 6 kinds fishes (4 not in last haul); few halobates; several porpita; salpa; larval crabs; stomatopods; 2 kinds cephalopods; annelid; sphaerozoum; diphyoides; ctenophores; small fish eggs; few minute copepods; sagitta; macrurus; few small phronima.

2—571 Note = Fish-eggs hatched overnight in dish.

25° 27' N. 171° 08' W.

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Light breeze from East.			
50	Clear and Cloudy, pleasant,			
100	smooth sea.			
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507.

Drukil.

P.L. = 84.5

No. Hy. 4206 Date 15 May '02

Sitspee Machine #1 Reel. Navy

Turns 210 Cor. + 18 Depth 228 fms.

Shot ~~or lead~~ 60 Lbs.

Bottom fne. wh. S. sh.

Bottom temperature 51.

No. of thermometer 92446. Cor.

Corrected temperature

Air 74. Surface 75. Drift

Trawl or dredge

Pm SOUNDING WIRE. DOWN.	UP.	TURNS.	DREDGE ROPE. DOWN.	UP.
11.51.30	11.58.20	0		
52.40	57.00	100		
53.55	55.30	200		
11.54.00	11.55.20	210 ~~300~~		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

25° 25' N. / 71° 11' W.

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
3848	171	3600		
210	152	3700		
3638	18	3800		
	210	3900		
	228	4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507.

Albatross

P. L. 4.5

No. Hy 4207 Date May 16 02

Sigsbee Machine. #1 Reel. Navy

Turns 930 Cor. + 74 Depth 1004 fms

Shot ~~or lead~~ 35 lbs.

Bottom Gy. Glob. S.

Bottom temperature 36.3°

No. of thermometer 92446 Cor.

Corrected temperature

Air 74 Surface 74 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3.00.10	26.15	0		
01.50	24.50	100		
02.55	23.30	200		
04.05	22.05	300		
05.05	20.40	400		
06.10	19.20	500		
07.20	17.55	600		
08.35	16.30	700		
09.55	15.10	800		
11.10	13.50	900		
3.11.40	13.10	930 ~~1000~~		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

25° 42' N. 171° 29' W.

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
3848	171	3600		
930	97	3700		
2918	74	3800		
	930	3900		
	1004	4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Stairey:

No. 3932 D Date May 16th 1902

Machine. Reel.

Turns Cor. + Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer Cor.

Corrected temperature

No Sounding.

Air 74 Surface 73 Drift N 50° W.

Trawl or dredge 2 Surface Nets fore & Stbd

SOUNDING WIRE. DOWN.	UP.	TURNS.	DREDGE ROPE. DOWN.	UP.
1st Surface haul =		0	Surface Nets	
Large quantity;		100		
almost wholly of 1		200	4-13 A	4.23 A
kind of red macrurans;		300		
also 2 kinds of myc-		400	4:27 A	4.37 A
tophum; unknown		500		
fishes; 1 salpa; 1		600	4.41 A	4.51 A
ctenophor; few diphy-		700		
opsis; few halobates;		800	4.56 A	5.06 A
1 or 2 medusae; few		900		
copepods.		1000	5.11 A	5.31 A
		1100		
2d haul =		1200		
Quantity 1/5 last.		1300	3d haul =	
1 sp. macrurans make		1400	Very meager. Not	
most of catch. many		1500	over 10 of the red	
myctophum; other		1600	macrurans. 1 blue	
small fishes; halo-		1700	penaeus; 2 kinds	
bates; squilla; diphy-		1800	medusae; several	
opsis; few macrurans;		1900	halobates; several	
other species; few		2000	small blue copepods;	
copepods; ? fish eggs,		2100	2 ghost fishes; 2 or 3	
yg. crabs		2200	other small fish;	
		2300	no myctophum.	
		2400		

2—571

25° 45' N. 171° 32' W.

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
10		3900		
		4000		

10

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
10 25				
10 50				
100				
20 200				
300				
400				
500	4th Surface haul:			
600	Very small quantity. As			
700	above, with addition of many			
800	small fishes of the day. No			
900	myctophum.			
1000				

REMARKS:

5th haul = not recorded.

507.

P.L. = 27.6

No. D. 3933. Date 16 May, '02.

Tanner Machine. — Reel. —

Turns 22 Cor. + 1 Depth 23 fms.

~~Shot or~~ lead 26 lbs.

Bottom wh. S. Skn. Sh. R

Bottom temperature 74.°-

No. of thermometer 92446. Cor.

Corrected temperature

Air 76.°- Surface 75.°- Drift {N 85° W 1 3/10'}

~~Trawl or dredge~~ 6 Chain Tangles on Frame

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8.22.00	8.25.10	0	8.25.50	8.43.20
8.22.10	8.23.50	22 100 42	27.45	8.40.30
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

3—571

Laysan Id Light, S 79° 30' E., 3 8/10'

		2500		
		2600		
OK		2700		
H.C.F.		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
496	12	3600		
22	11	3700		
474	1	3800		
	22			
	23	3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Frame and Tangles lost. Thread of eye bolt stripped.

Nothing caught.

Graphic

No. Hy. 4208 Date 16 May '02.

Tanner Machine. — Reel. —

Turns 18 Cor. + 1 Depth 19 fms.

Shot or lead 26 lbs

Bottom M.S.bkn. Sh.

Bottom temperature 74°.—

No. of thermometer 92446 Cor. —

Corrected temperature

Air 76. Surface 75. Drift

~~Trawl or dredge~~

Am SOUNDING WIRE. DOWN.	SOUNDING WIRE. UP.	TURNS.	DREDGE ROPE. DOWN.	DREDGE ROPE. UP.
8. 46.05	~~48.40~~	0		
47.00	~~48.20~~	18 100		
		200		
		300		
		400		
Also marks in		500		
of		600		
Dr. 3933.		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Laysan Id Light, S 81° E., 5 1/10'

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

OK
HCD.

496
18
478

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507.

Arnpi

P.L. = 26.6

No. Dr. 3934. Date 16 May '02

Tanner Machine. — Reel. —

Turns 27 Cor. + 1 Depth 28 fms.

~~Shot or~~ lead 26 lbs.

Bottom wh. S. brk. Sh.

Bottom temperature 73.2

No. of thermometer 92446. Cor. {N 73° W 1 2/10'

Corrected temperature

Air 75. Surface 75. Drift {#250}

~~Trawl or dredge~~ 2 {hemp} {Tangle} Swabs att^d to weight.

A.m. SOUNDING WIRE. DOWN.	UP.	TURNS.	A.m. DREDGE ROPE. DOWN.	UP.
9.16.40	9.18.20	0	9.21.10	40.35
9.17.00	9.18.00	27 ~~100~~ 45	23.30	9.38.15
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Laysan Is Light. S 80° 30' E., 6 1/10'

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

OK
H.C.A.

496
27 + 1 = 28 fms
469

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Much fine broken shell + few fragments of corallines, sponges, hydroids, and bryozoa.

507.

A.iii/i/

No. Dr. 3935 Date 16 May '02.

Tanner Machine. – Reel. –

Turns 55 Cor. + 2 Depth 57 fms.

~~Shot or~~ lead 26 lbs.

Bottom wh. S. bk. Sh. Coralline.

Bottom temperature 71.1

No. of thermometer 92446. Cor.

Corrected temperature

Air 76. Surface 75 Drift {S 27° W 6/10'

~~Trawl or~~ dredge Oyster dredge – no weight

A.iii. SOUNDING WIRE. DOWN.	UP.	TURNS.	A.iii. DREDGE ROPE. DOWN.	UP.
9. 43.10	46.00	0	9. 50.15	10.17.20
43.55	45.00	55 ~~100~~	54.30	11.25
		120 ~~200~~	9. 55.25	10.10.20
		300		
		400		
Also marks end of Dr. 3934.		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Laysan Id Light, S 79° 30' E, 7 3/10'.

		2500		
		2600		
OK HOF.		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
496	12	3700		
55		3800		
441		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50	Oyster dredge =			
100	1 large red starfish; 1 clype-			
200	astrid; number of small coral			
300	rocks covered with corallines,			
400	sponges, worm tubes, hydroids,			
500	Containing = few gephyreans,			
600	few lamellibranchs, and ophiurans,			
700	3 kinds of crustacea; 1 Chiton.			
800				
900				
1000				

REMARKS:

507.

Arnfil

No. Dr. 3936. Date 16 May '02.

Tanner Machine. — Reel. —

Turns 76 Cor. + 3 Depth 79 fms.

~~Shot or~~ lead 26 Lbs

Bottom Coralline, Am. brk. Sh.

Bottom temperature 68.°—

No. of thermometer 92446. Cor.

Corrected temperature

Air 81. Surface 76. Drift S27°W 4/10'

~~Trawl or~~ dredge Ship's Dredge.

A.m. SOUNDING WIRE. DOWN.	UP.	TURNS.	A.m. DREDGE ROPE. DOWN.	UP.
10.22.00	25.40	0	10.30.50	10.55.25
22.50	24.15	76 ~~100~~ 105	34.45	10.50.00
		200		
		300		
Also marks end of Dr. 3935.		400		
		500		
		600		
		700		
		800		
		900		
		1000	Surface Net	
		1100		
		1200	10.46 a	10.56 a.
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Laysan Is Light, S84° E., 7 5/10'

OK
[illegible]

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
496		3700		
76		3800		
420		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Light S.E. airs, Long Swell.			
50	Clear and cloudy, pleasant.			
100				
200	Ship's dredge.			
300	1/2 peck rounded coralline –			
400	covered nodules; 4 kinds of			
500	hydroids; several kinds coral;			
600	1 urchin; 2 clypeastrids; 5 crabs;			
700	few worms; 1 chiton; several			
800	sponges; 2 kinds gastropods.			
900				
1000				

REMARKS:

Surface net catch not recorded.

607

Amphit

No. Dr. 3937 Date 16 May '02.

Tanner Machine. — Reel. —

Turns 125 Cor. + 5 Depth 130 fms

~~Shot or~~ lead 26 lbs.

Bottom wh. S. pnl Sh.

Bottom temperature 63° —

No. of thermometer 92446. Cor.

Corrected temperature

Air 79 Surface 76 Drift { S 39° W 2/10'

~~Trawl or~~ dredge Ship's Dredge.

Am. SOUNDING WIRE. DOWN.	UP.	TURNS.	Am. DREDGE ROPE. DOWN.	UP.
10.57.50	11.02.55	0	11.05.00	11.33.40
58.55	00.40	100	08.50	** 29.20
10.59.05	11.00.15	125 ~~200~~ 162	11.11.30*	
		~~300~~ ~~201~~ 400	~~232~~	11.31.30
also marks end of Dr. 3936.		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200	* dredging in bottom from this time. Hence down 20 min.	
		1300		
		1400		
		1500		
		1600	** Clock set back 6 min.	
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Laysan Is Light, S 87° E., 7 2/10'

OK
H.V.D.
2

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50	Ships dredge –			
100	Smooth bottom; dead-shell			
200	bank. 2 ophiurans (2 sps);			
300	1 small starfish; 1 hermit crab;			
400	1 crab; 1 solitary yellow coral;			
500	1 branching coral; worm tubes			
600				
700				
800				
900				
1000				

REMARKS:

~~Not recorded~~.

507. Arikiki - Hutchinson

No. Dr 3938 Date 16 May '02

Tanner Machine. + Reel. -

Turns 142 Cor. + 6 Depth 148 fms

~~Shot or~~ lead 26 Lbs.

Bottom wh S. bk Sh.

Bottom temperature 60.3°

No. of thermometer 92446 Cor.

Corrected temperature

Air 79. Surface 76. Drift 865° W 3/10'

Trawl or ~~dredge~~ 5½ ft Blake with apron + tail weight

Am. SOUNDING WIRE. DOWN.	UP.	TURNS.	DREDGE ROPE. Am. DOWN.	P.M. UP.
11. 36.30	42.50	0	11. 45.30	27 =
37.55	40.40	100	48.50	22.30
38.20	39.50	142 200	52.15	12 - 13.10
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Laysan Dd Light, S 88° 30' E., 7 8/10'

OK
HD.
2

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
496		3600		
142		3700		
354		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50	Blake trawl =			
100	1 large starfish; 2 kinds hermits;			
200	anemone attached to shell of large			
300	hermit; 2 munida; 2 prawns;			
400	1 antedon; 1 nudibranch; 1 octopus;			
500	2 peristedion - sp.?; 3 malthopsis			
600	spiniger; 2 ~~plath~~ platophrys;			
700	1 (?) worm tube.			
800				
900				
1000	2 remora taken from sharks.			

REMARKS:

507.

Hutchinson

No. D 3939 Date May 16 1902

Tanner Machine. — Reel.

Turns 157 Cor. + 6 Depth 163 fms

~~Shot or~~ lead 26 lbs.

Bottom wh S. brk Sh. R

Bottom temperature 57.5°

No. of thermometer 92446 Cor.

Corrected temperature

Air 77 Surface 76 Drift {N 62° E. 1 3/10'

Trawl ~~or dredge~~ 8' Tanner, with apron + tail weight

SOUNDING WIRE. P.M. DOWN.	UP.	TURNS.	DREDGE ROPE. P.M. DOWN.	UP.
12-29.30	35.00	0	12-46.50	
30.55	33.50	100	50.50	40.00
31.30	32.05	157 ~~200~~	54.45	35.05
Marks end of		300	59.30	1-30.10
Sta D 3938		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Laysan Jd Light, S 89° 30' E., 8 1/10'

		2500		
		2600		
OK H.O.S.		2700		
		2800		
		2900		
		3000		
		3100		
with Alexander's brace beam —		3200		
		3300		
		3400		
		3500		
496		3600		
157		3700		
339		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50	Tanner Trawl =			
100	1 Ostracion sp.?; 3 kinds			
200	hydroids; 2 kinds sponges;			
300	several crabs (3 kinds); 1 caprella.			
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Net came up badly torn; Lost frame and Alexander brace beam, apron, Glass float and one tail weight

507.

Hutchinson

No. Dr 3940 Date May 16. 1902.

Tanner Machine. Reel.

Turns 57 Cor. + 2 Depth 59 fms

~~Shot or~~ lead 26 lbs

Bottom wh S. brk Sh.

Bottom temperature 70°

No. of thermometer 92446 Cor.

Corrected temperature

Air 81 Surface 76 Drift {83.0 W 4/10'

Trawl ~~or dredge~~ 5½' Blake with apron

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
P.M. DOWN.	UP.		P.M. DOWN.	UP.
1:- 46.50	49.10	0	1.56 30	24.40
47.20	48.30	77 100	2 P.M.	2:- 20.10
Also marks end		200		
in Dr 3939		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Saipan Light, S84°E., 7.'

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
496		3600		
57		3700		
439		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50	Blake trawl =			
100	1/2 peck coralline nodules,			
200	1 large starfish; several serpent stars,			
300	many hydroids (3 kinds); several			
400	crabs (4 kinds); 1 caprella; several			
500	platophrys (2 kinds); 1 tetrodon;			
600	1 (?) centriscus.			
700				
800				
900				
1000				

REMARKS:

507.

Hutchinson

No. D 3941 Date May 16, 1902.

Tanner Machine. ~~Reel.~~

Turns 67 Cor. + 3 Depth 70 fms

~~Shot or~~ lead 26 lbs.

Bottom brk Sh. rd Coralline

Bottom temperature 68.5

No. of thermometer 92446 Cor.

Corrected temperature

Air 81 Surface 76 Drift {S 74° W 7/10'

Trawl ~~or dredge~~ 8' Tanner with apron.

P.M. SOUNDING WIRE. DOWN.	UP.	TURNS.	P.M. DREDGE ROPE. DOWN.	UP.
2-27.05	29.30	0	2-48.50	21.30
27.40	2-28.40	~~100~~ 90	53.30	
also marks		~~200~~ 97	54.40	3-15.15
end of Sta		300		
D 3940		400	20 min.	
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Laysan Dd Light, 887° E., 7 2/10'

		2500		
		2600		
OK		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
496		3700		
67		3800		
429		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Water haul; probably not on bottom; no indication of it -

507.

Hutchinson Halley

No. D 3942 Date May 16th '02.

Tanner Machine. — Reel. ——

Turns 140 Cor. + 6 Depth 146 fms

~~Shot or~~ lead 26 lbs.

Bottom Wh. S. brk. SR.

Bottom temperature 62°

No. of thermometer 92446 Cor.

Corrected temperature

Air 77 Surface 76 Drift {875° W 9/10'

Trawl ~~or dredge~~ Tanner 8 ft, with Apron

SOUNDING WIRE. DOWN.	UP.	TURNS.	DREDGE ROPE. DOWN.	UP.
P.M. 3-23.20	28.05	0	P.M. 3.31.	4.22.45
24.10	26.20	100	35.20	15.20
24.40	25.40	~~200~~ 140	39.20	11.45
Also marks end		300	3 44.00	4:06.00
of D 3941		400		
		500		
		600		
		700		
		800		
Surface N.R.		900		
		1000		
3.40	3.50	1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

A. Clouds Clear and Pleasant. Calm. Gentle Ely Breezy. Gentle Sw

2—571

Laysan Id Light, S 89° E., 7 8/10'

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

OK
H.O.

496
140
356

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Tanner trawl:
1 periotedion ? sp.; 2 sporpaena remigera.

507.

Stailey Arnkil

No. D 3943 Date 16th May 1902

Sigsbee Machine. + Reel. Hoy

Turns 205 Cor. + 17 Depth 222 pm

~~Shot or~~ lead 36 #

Bottom fine wh. S

Bottom temperature 53°

No. of thermometer 92446 Cor.

Corrected temperature

Air 76 Surface 76 Drift S 82° E

Trawl ~~or dredge~~ Lanver 8 ft. with apron

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4.26.00	4.31.30	0	4.39.00	5.41.15
27.15	30.30	100	43.20	36.30
28.20	29.30	200	47.10	32.10
4.28.30	4.29.20	~~300~~ 205	50.50	27.20
		400	55.10	22.20
		~~500~~ 450	4.57.10	
		~~600~~ 500	~~5.12.00~~	5.17.15
		700	(= down 20 min.)	
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

This marks end of D 3942

2—571

Laysan Do Light, N 89° E. 8 8/10'

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
3848	191	3600		
205	154	3700		
3643	17	3800		
	205	3900		
	222	4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

While sounding (down) a large shark took the stray line lead in its mouth, and lacerated it considerably - breaking off one of its teeth which was brought up stuck in the lead. Placed lead in labiz as a curiosity -

REMARKS:

Tanner Trawl =
1 scorpaena remigera; 1 munida; 1 pennatulid; 1 prawn.

507.

Stanley

No. 4309 Hy Date 16" May 1902

Sigsbee Machine. 1 Reel. Navy

Turns 91 Cor. + 9 Depth 100 fms

Shot or lead 36

Bottom Wh S. brk S.

Bottom temperature 65

No. of thermometer 92446 Cor.

Corrected temperature

Air 78 Surface 78 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5,43.08	45.20	0		
43.55	44.10	91 100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

This marks end of DT 3942

2—571

Laysan Dd Light, N88°E., 7 8/10'

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
3848	171	3600		
91	162	3700		
3757	9	3800		
	91	3900		
	100	4000		

OK HCR

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Sorting

No. 3944 D1 Date 16th May 19.25

Machine. Reel.

Turns Cor. + Hand Depth 3½ fms

Shot or lead

Bottom

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge Elect Lks + Dip Nets

Ph 7.25

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Void

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507. H.V. 81.

No. Laysan Id Date 17 May 1902

Sigsbee Machine. #1 Reel. Navy type -

Turns Cor. + Depth

Shot or lead Correction table.

Bottom Filled up reel, laying

Bottom temperature it on by steam under

No. of thermometer service Cor. conditions

Corrected temperature 40-50 lbs. weight.

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
Turns	Fms.	0	1900	1940
100	101	100	50	1992
200	201	200	2000	2044
300	302	300	50	2096
400	403	400	2100	2148
500	504	500	50	2200
600	605	600	2200	2252
700	706	700	50	2304
800	808	800	2300	2356
900	910	900	50	2408
1000	1,012	1000	2400	2460
1100	1,114	1100	50	2512½
1200	1,217	1200	2500	2565
50	1,268+	1300	50	2617½
1300	1,320	1400	2600	2670
50	1371+	1500	50	2723
1400	1423	1600	2700	2776
50	1474+	1700	50	2829
1500	1526	1800	2800	2882
50	1577+	1900	50	2935
1600	1629	2000	2900	2988
50	1680+	2100	50	3041
1700	1732	2200	3000	3094
50	1784	2300	50	3148
1800	1836	2400	3100	3202
50	1886		50	3256

2—571

3200	3310	2500	4000	4174
50	3364	2600	50	4229
3300	3418	2700	4100	4284
50	3572	2800	50	4339
3400	3526	2900	4200	4394
50	3580	3000	50	4449
3500	3634	3100	4300	4504
50	3688	3200	50	4559
3600	3742	3300	4400	4614
50	3796	3400	50	4669
3700	3850	3500	4500	4724
50	3904	3600	50	4779
3800	3958	3700	4600	4834
50	4012	3800	50	4889
3900	4066	3900	4700	4944
50	4120	4000	50	4999

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	4800	5054		
50	50	5109		
100	4860	5120		
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Ran off 400 fms from reel, which wire was next the bed, and was rusty and brittle -
Filled in 1500 fms, new wire, which was put on in 3 unequal pieces, next to the bed of reel. Bedded thick with white lead + tallow.

P.L. 37-8

507 Hutchinson

No. Hy 4210 Date May 19th '02.

Tanner Machine. Reel.

Turns 46 Cor. + 2 Depth 48 fm

~~Shot or~~ lead 26 lbs.

Bottom fm wh S. bk. Sh.

Bottom temperature 70.5°

No. of thermometer 92446 Cor.

Corrected temperature

Air 70 Surface 74 Drift

~~Trawl or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7-49.50	51.50	46		
50.10	51.10	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Laysan Ld Light, N 49° E., 58/10'

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

OK
HCB
5/3

496
42
450

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507. Stalley P.L. 39.8

No. Hy 4211 Date 19th May 1902

Sigsbee Machine. 1 Reel. Stood

Turns 659 Cor. + 36 66 Depth 725 fms

~~Shot or~~ lead

Bottom R.

Bottom temperature 37 8/6

No. of thermometer 92446 Cor.

Corrected temperature

Air 70 Surface 74 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8.33.30	8.50.25	0		
34.35	49.15	100		
35.35	48.00	200		
36.35	46.40	300		
37.45	45.30	400		
38.55	44.10	500		
40.05	43.00	600		
8.40.40	8.42.10	659 700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Laypan Jd Light, N 48° E., 7 8/10'

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

OK
H.A.

4866 262
659 195
4207 68
659
727 fms

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Stanley

P. L. 41.8

No. 4212 Hy. Date 19 May 1902

Sigsbee Machine. Reel. Navy

Turns 551 Cor. + 55 Depth 606 fms

Shot ~~or lead~~ 35 ✗

Bottom Wh. S. brk Sh.

Bottom temperature 38 8

No. of thermometer 92446 Cor.

Corrected temperature

Air 72 Surface 74 Drift

~~Trawl or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
Ave 9.16.40	9.30.50	0		
17.50	29.35	100		
18.50	28.15	200		
19.50	57.00	300		
20.55	56.00	400		
22.00	24.50	500		
22 40	24.00	551		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Laysan Id Light, N 59° E., 7 9/10'

OK
H.C.F.
2

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507. Stanley P. S. 42.8

No. 4213 Hy. Date 19 May 1902

Sigsbee Machine. 1 Reel. Hoov

Turns 429 Cor. + 43 Depth 472 fms

Shot ~~or lead~~ 3.5 A.

Bottom fne. Co. S. brk Sh

Bottom temperature 40.6

No. of thermometer 92446 Cor.

Corrected temperature

Air 72 Surface 74 Drift

~~Trawl or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
Am. 9.50.00	10.02.30	0		
51.00	01.15	100		
52.10	10.00.10	200		
53.20	58.50	300		
54.30	57.30	400		
9.55.05	9.56.50	429 500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Laysan Do Light, N 67°30' E., 8.'

OK
H.C.A.

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507.

Stairey

C. J. 43.8.

No. 3944 B Date 19th May 1902

Sigsbee Machine. 1 Reel. Navy

Turns 230 Cor. + 23 Depth 253 fms

Shot ~~or lead~~ 35#

Bottom fine Wh. S

Bottom temperature 51 4

No. of thermometer 92446 Cor.

Corrected temperature

Air 75 Surface 74 Drift {N58° W 8/10'

Trawl ~~or dredge~~ Tanner 8 ft, with apron.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.21.10	10.28.40	0	10.36.20	11.28.00
22.25	27.30	100	41.00	24.20
23.30	26.10	200	43.30	20.10
24.00	25.30	230 ~~300~~	46.40	16.00
		400	10.50.00	11.11.30
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Laypan Do Light, N77° E., 8 6/10'

OK
H.G.
2

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
4866	262	3600		
230	237	3700		
4636	25	3800		
	230	3900		
	255	4000		

fms

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Water - haul - no indication of having done more than touch bottom, and that only on one runner.

507.

Stainy Arkpil

No. 3945 D Date 19th May 1902

Sigsbee Machine. Reel. Navy

Turns 536 Cor. + 54 Depth 590 fms

~~Shot or~~ lead 36#

Bottom fne. wh. S.

Bottom temperature 38.2°

No. of thermometer 92446 Cor.

Corrected temperature

Air 75 Surface 7C Drift 8 38° W 9/10'

Trawl ~~or dredge~~ Tanner 8' with apron

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
Am 11.31.00	11.46.45	0	11.51.15	1.23.20
32.00	45.35	100	55.30	18.50
33.15	44.15	200	57.30	14.50
34.40	43.00	300	P.m. 12.03.20	10.50
36.10	41.40	400	07.10	07.00
37.45	40.30	500	11.30	1.02.40
11.38.20	11.39.50	536 600	14.15	58.20
		700	17.35	53.55
		750 800	22.10 12.34.20	12.49.00
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Also marks end of Dr. 3944.

Sigsbee

2—571

Layson Is Light, N 81° E., 9 2/10'

OK
H.C.B.
3

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Water haul; no indication of having been on bottom.

507.

Arrix

No. Hx. 4214. Date 19 May '02.

Sigsbee Machine. #1 Reel. Navy

Turns 1040 Cor. + 100 Depth 1140 fms.

~~Shot or~~ lead 36 Lbs.

Bottom fne wh S.

Bottom temperature 35.9

No. of thermometer 92446. Cor.

Corrected temperature

Air 74. Surface 74. Drift

Trawl or dredge

SOUNDING WIRE. DOWN.	SOUNDING WIRE. UP.	TURNS.	DREDGE ROPE. DOWN.	DREDGE ROPE. UP.
1. 31.10	1. 59.15	0		
32.00	58.10	100		
33.00	57.00	200		
34.10	55.50	300		
35.30	54.40	400		
36.55	53.25	500		
38.25	52.15	600		
40.05	51.05	700		
41.40	49.55	800		
43.15	48.45	900		
44.50	47.35	1000		
1. 45.30	1. 46.30	~~1100~~ 10040		
		1200		
Also marks end		1300		
of		1400		
Dr. 3945.		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Laupan Lt Light, N 77° E., 10.'

OK
H.C.

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
4860	260	3700		
1040	160	3800		
3820	100	3900		
	1040	4000		
	1142			

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *Date*

Machine. *Reel.*

Turns *Cor. +* *Depth*

Shot or lead

Bottom

Bottom temperature

No. of thermometer *Cor.*

Corrected temperature

Air *Surface* *Drift*

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

21 - 60
4 - 35

27 -

30 - 60
5·2 - 35