#22.

Hawaiian Explorations.

D^{r} 4174-4190.

H^{y} 4694-4720.

Aug. 11th-27th, 1902.

4716 Hy.
12 aug.
929 fmx.

		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.

384 Cat Log 47.

Albatross

No. 5 4174 Date Aug 11, 1902

Sigsbee Machine. #1 Reel. Heavy

Turns 675 Cor. + 60 Depth 735 fms

Shot ~~or lead~~ 35 lbs

Bottom Gy. S. M. Glob. R

Bottom temperature 38°

No. of thermometer 98237 Cor. —

Corrected temperature 38.0

Air 81 Surface 78 Drift { North 1.3'

Trawl ~~or dredge~~ 9' Tanner

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9-27.40	42.15	0	9-50.20	41.00
28.30	41.10	100	54.10	37.10
29.20	40.15	200	58.20	33.40
30.15	39.15	300	10-01.50	30.20
31.10	38.10	400	05.35	27.05
32.15	37.15	500	10.10	23.40
33.20	36.10	600	14.00	19.35
34.20	35.30	700	18.05	15.15
		800	22.40	11.10
		900	26.50	11-02.30
		1000	30.20	52.40
		1100	37.00	43.05
		1200		10-40.40
		1300	3 Min	
		1400		
		1500	Struck bottom	
		1600	at 1015	
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

West Coast of Niihau Island
Kona Point. L 18°45' E, 6 7/10'

OK
H.C.

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
4310	205	3400		
675	145	3500		
3635	62	3600		
	673	3700		
	735	3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Next Dr	4174	=	384
50	" Hy	4694		
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Paired to 1122 fms under 4000 strain.
One bridle strap carried away net slightly torn; frame slightly bent.

Hutchinson Bailey.

No. 4694 Hy. Date Aug 11 1902.

Sigsbee Machine. #1 Reel. Large

Turns 795 Cor. + 70 Depth 865 fms

Shot ~~or lead~~ 35 lbs.

Bottom Gy S. Brk Sh Sh

Bottom temperature 37 2

No. of thermometer 78237 Cor. —0

Corrected temperature 37.2

Air 80 Surface 78 Drift

~~Trawl or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11-44.55	12.01	0		
45.45	12.00	100		
46.40	59.50	200		
47.35	58.55	300		
48.35	58.00	400		
49.30	57.05	500		
50.40	56.10	600		
51.45	55.20	700		
11.52.50	11.54.20	800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kona Point, S16° E, 7 8/10'

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
4310	205	3500		
79	135	3600		
3531	70	3700		
	795	3800		
	865	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.

Sailing P. L. 49.0

No. 4695 Hy Date 11th Aug. 07.

Sigsbee Machine. 1 Reel. Navy 7

Turns 1063 Cor. + 91 Depth 1154 fms

Shot ~~or lead~~ 66 #

Bottom Glob.

Bottom temperature 36°

No. of thermometer 98237 Cor. -0

Corrected temperature 36.0°

Air 79 Surface 77 Drift

~~Trawl or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
P.M. 12.31.40	12.53.10	0		
32.30	52.10	100		
33.20	51.10	200		
34.15	50.10	300		
35.10	49.10	400		
36.05	48.15	500		
37.05	47.15	600		
38.00	46.15	700		
39.00	45.15	800		
40.05	44.15	900		
41.10	43.15	1000		
41.50	42.30	1063 1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Kona Point. S15° E, 10 7/10'

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

4310 20V
1063 114
3247 91
1063
1154

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.L. 54.—

No. 41696 Hy Date 1st Aug 02

Lagsbee Machine. / Reel. Navy

Turns 334 Cor. + 33 Depth 367 fms

Shot ~~or lead~~ 60

Bottom Gy. + br. S. Glob

Bottom temperature 41.2

No. of thermometer 98237 Cor. —0

Corrected temperature 41.7°

Air 79 Surface 77 Drift

~~Trawl or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1.57.25	2.04.05	0		
58.10	03.00	100		
59.00	02.00	200		
59.50	01.05	300		
2.00.15	2.00.50	~~400~~ 334		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Kona Point, S 18° W, 10 1/10'

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
4310	205	3600		
334	172	3700		
3976	33	3800		
	334	3900		
	367	4000		

OK

334
33
367

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 P. L. 57.-

No. 4697 HY Date 11 Aug. or

Digsbee Machine. 1 Reel. Navy

Turns 260 Cor. + 26 Depth 286 fms

~~Shot or~~ lead 36

Bottom Gy & Br S. Glob.

Bottom temperature 41°

No. of thermometer 98237 Cor. -0

Corrected temperature 41.0

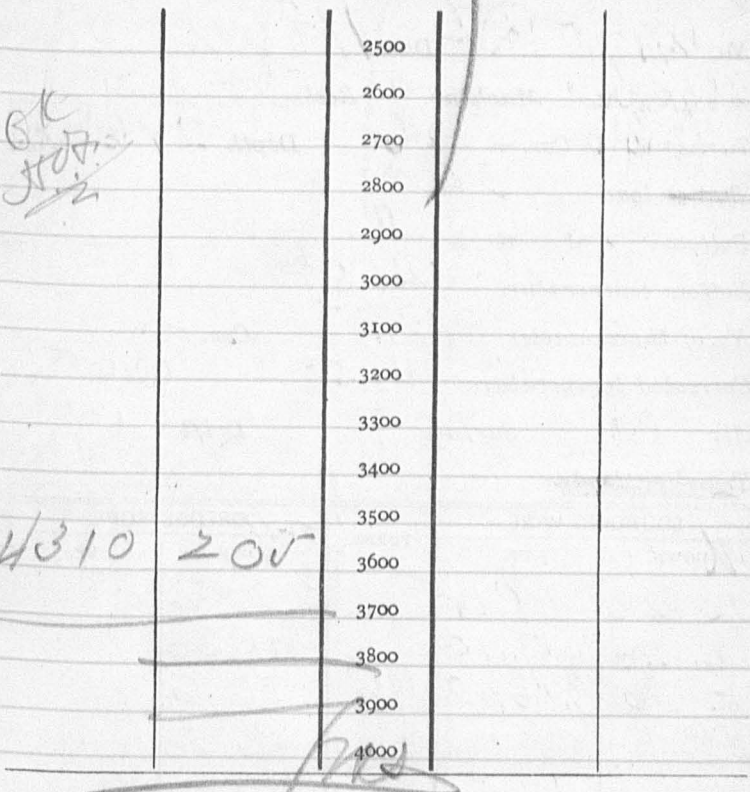
Air 79 Surface 77 Drift

~~Trawl or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2.43.05	2.49.30	0		
44.05	48.25	100		
45.15	47.25	200		
46.00	46.40	260 ~~300~~		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Kona Point, 83° W, 11 7/10'



SERIAL TEMPERATURES.

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

REMARKS:

507.

Sarey Arn. K.Y.

P.L. 58.6

-385-

No. 4175 D1 Date 11th Aug. 02

Lipsbee Machine. 1 Reel. Navy

Turns 196 Cor. + 20 Depth 2165 fms

~~Shot or lead~~ 36 #

Bottom fne. gy. S. R.

Bottom temperature 41.5°

No. of thermometer 98237 Cor. -0

Corrected temperature 41.5°

Air 81 Surface 77 Drift { N41°E 1.7'

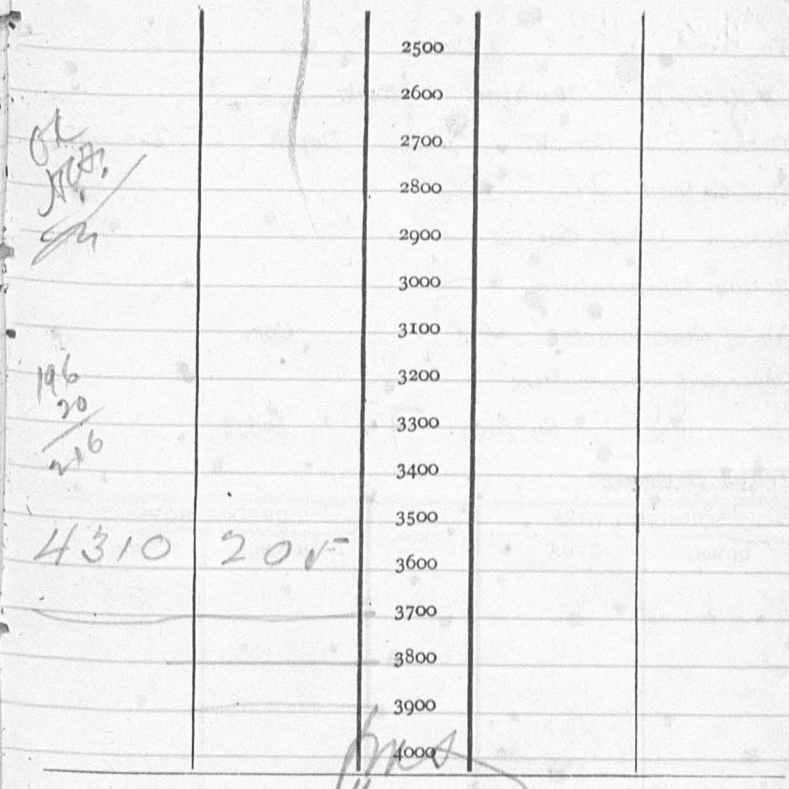
~~Trawl or dredge~~ 8 Tangle Swabs

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3.13.20	18.15	0	3.25.00	
14.20	17.10	100	29.30	
15.30	3.16.10	196 ~~200~~	32.50	
		300	36.20	
		400	40.00	
		500	45.30	*
		580 600	48.30	08.20
		613 625 ~~700~~	57.-	4.07.10
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Course NEXN (psc.)

Kona Point, S 43° 15' W, 12.5'



SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50	* When 580 fms were in the cable parted. Lost the sinker, 8 hp. tangles, the frame, and 570 fms of the dredging cable. Cable caught in the propeller.			
100				
200				
300				
400				
500				
600	Lost 570 fms. cable, 1 complete			
700	tangle frame & 8 hemp swivels,			
800	120 # dredging sinker, 2 Crosby			
900	Clips, shackles, &c -			
1000				

REMARKS:

507.

No. 4698 H.Y. Date 11 Aug. '02.

Tanner Machine. — Reel. —

Turns 50 Cor. + 2 Depth 52 fms.

~~Shot or~~ lead 26 Lbs.

Bottom Crs. Co. S. Sh. Gor.

Bottom temperature

No. of thermometer 98237. Cor.

Corrected temperature

Air 85° Surface 97° Drift

~~Trawl or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4.12		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		

Kona Point. 8 43° 15' N, 14.1'

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
496		3700		
50		3800		
446		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:

P.L. = 68.3

507.

Arm Key

No. Hy 4699. Date 11 Aug. '02

Fizshee Machine. 1 Reel. Navy

Turns 311 Cor. + 31 Depth 342 fms

Shot ~~or lead~~ 35 Lbs.

Bottom Cro. gy. S.

Bottom temperature 42.5

No. of thermometer 98237. Cor. -0.2

Corrected temperature 42.3°

Air 80° Surface 77° Drift

~~Trawl or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5.45.—	5.53.05	0		
46.—	51.55	100		
47.—	50.50	200		
5 48.—	5.49.55	300		
48.10	—	311		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

East Coast of Niihau Island
Kawahioa Point, S 50° 45' W, 14.7'

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
311		3400		
31		3500		
342		3600		
4310	205	3700		
		3800		
		3900		
		4000		

OK
[illegible]

SERIAL TEMPERATURES.

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

REMARKS:

807.

Pat Log 72.3

No. Hy 4700 Date Aug 11. 1902.

Sigsbee Machine. #1 Reel. Navy

Turns 300 Cor. + 30 Depth 830 fm

Shot ~~or lead~~ 35 lbs.

Bottom Co. 94. S. Sh

Bottom temperature 44.4°

No. of thermometer 98237 Cor. -0.2

Corrected temperature 44.2°

Air 80 Surface 77 Drift

~~Trawl or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
6-36.30	43.25	0		
37.30	42.20	100		
38.35	41.20	200		
39.40	40.25	300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kawahioa Point, S66° 30' W, 12.7'

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
4310	205	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:

Pat Log 76.3

507.

Antitetism

No. Hy 4701 Date Aug 11, 1902.

Sigsbee Machine. #1 Reel. Navy.

Turns 522 Cor. + 48 Depth 570 fms

Shot ~~or lead~~ 35 lbs

Bottom gy. S. M. Fr

Bottom temperature 39.5

No. of thermometer 98237 Cor. —

Corrected temperature 39.5

Air 80 Surface 77 Drift

~~Trawl or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7 28.30	39.45	0		
29.20	38.40	100		
30.10	37.35	200		
31.00	36.35	300		
32.00	35.30	400		
33.00	34.30	500		
33.15	34.15	600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Kawahioa Point, S 84° 30' W. 10 4/10'

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
4310	205	3500		
522	157	3600		
3788	48	3700		
	522	3800		
	570	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.

Gauley P. L. 80.3

No. 4702 Ay Date 11 Aug 02

Sigsbee Machine. 1 Recl. Navy

Turns 1345 Cor. + 113 Depth 1458 fms

Shot ~~or lead~~ 60 #

Bottom Gy - S. M. Fr

Bottom temperature 35.2

No. of thermometer 98237 Cor. -0

Corrected temperature 35.2

Air 79 Surface 77 Drift

~~Trawl or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8:25.00	8:52.45	0		
25.45	51.40	100		
26.30	50.40	200	✓	
27.20	49.40	300		
28.10	48.40	400		
29.05	47.40	500		
30.00	46.35	600		
30.55	45.30	700		
31.55	44.25	800		
32.55	43.20	900		
34.00	42.15	1000		
35.00	41.10	1100		
36.10	40.05	1200		
37.10	39.00	1300		
8:37.35	8:38.30	1345		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Kawahioa Point. N 76° W. 12.1'

		2500		
		2600		
OK		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
4310	205	3600		
1345	92	3700		
2965	113	3800		
	1345	3900		
	1458	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. L. 83.3

No. 4703 Hy Date 11 Aug. 02

Sigsbee Machine. 1 Reel. Navy

Turns 870 Cor. + 76 Depth 946 fms

Shot ~~or lead~~ 60 ✕

Bottom 97 S. M. 4 fm

Bottom temperature 37°

No. of thermometer 98237 Cor. -0

Corrected temperature 37.0°

Air 79 Surface 77 Drift

~~Trawl or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9.29.00	9.47.00	0		
30.10	46.00	100		
31.00	45.00	200		
31.50	43.55	300		
32.40	43.00	400		
33.30	41.50	500		
34.30	40.45	600		
35.20	39.45	700		
36.20	38.45	800		
9.37.00	9.38.00	820		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Course W x S (P.S.P.)

Kawahiwa Point, N 69°45' W, 9 6/10'

		2500
		2600
		2700
		2800
		2900
		3000
		3100
		3200
		3300
		3400
		3500
4310	20°	3600
870	12°	3700
3440	7°	3800
	870	3900
	946	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.

Stainy

P.L. 86.3

No. 4704 Hy Date 11 Aug. 02

Sigsbee Machine. 1 Reel. Navy

Turns 440 Cor. + 41 Depth 481 fms.

Shot ~~or lead~~ 35 ⊠

Bottom fne. Co. S. Fr.

Bottom temperature 40.6

No. of thermometer 98237 Cor. -0

Corrected temperature 40.6

Air 79 Surface 77 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.20.00	10.29.00	0		
20.45	28.00	100		
21.40	27.00	200		
22.30	26.00	300		
23.25	25.00	400		
10.23.50	10.24.40	440 ~~500~~		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Course N x S (Pse)

Kawahiwa Point, N 5° W, 5 3/10.

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
4310	207	3600		
440	164	3700		
3870	41	3800		
	440	3900		
	481	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. 89.6.

No. 4705 Hy Date 11" Aug. '02

Sigsbee Machine. 1 Reel. Navy

Turns 357 Cor. + 35 Depth 392 fms.

~~Shot or~~ lead 36 #

Bottom Fine Co. S. Fm

Bottom temperature 42°

No. of thermometer 98237 Cor. -0

Corrected temperature 42°

Air 79 Surface 77 Drift

~~Trawl or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11.01.25	11.09.20	0		
02.20	08.20	100		
03.20	07.20	200		
04.20	06.20	300		
11.04.40	11.05.40	357 ~~400~~		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Course NXS (PSC)

Kawahioa Point, N15° W, 3 5/10' } South Coast of Niihau Island

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
4310	205	3600		
357	170	3700		
3953	35	3800		
	357	3900		
	392	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

Stainy

P.S. 92.3

No. 4706 #4 Date 11 Aug. 02

Sigsbee Machine. 1 Reel. Navy

Turns 304 Cor. + 30 Depth 334 fm

~~Shot or~~ lead 36 #

Bottom fne. Co. S. Fox

Bottom temperature 42°

No. of thermometer 98237 Cor. -0

Corrected temperature 42°

Air 79 Surface 77 Drift

~~Trawl or dredge~~

SOUNDING WIRE. DOWN.	SOUNDING WIRE. UP.	TURNS.	DREDGE ROPE. DOWN.	DREDGE ROPE. UP.
11.42.30	11.49.20	0		
43.30	48.20	100		
44.20	47.15	200		
11.45.20	11.46.15	300		
		304 ~~400~~		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Course NXS (P.S.C.)

Kawahiva Point, N 31° E, 4 1/10'

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.

S.S.W., P.L. = 95.3

Arn. Fil.

No. Hy. 4707. Date 12 Aug. '02.

Sigsbee Machine. 1 Reel. Navy

Turns 843 Cor. + 74 Depth 917 fms.

~~Shot or~~ lead 36 lbs.

Bottom Cos. Vol. S.

Bottom temperature 37.3

No. of thermometer 98237. Cor. -0

Corrected temperature 37.3°

Air 79° Surface 77° Drift

~~Trawl or dredge~~

Am. SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
12.25.20	12.47.40	0		
26.35	46.45	100		
27.40	45.05	200		
28.50	44.55	300		
30.–	43.40	400		
31.10	42.25	500		
32.30	41.–	600		
33.45	39.40	700		
35.–	38.10	800		
12.35.40	12.37.25	843		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Kawahiwa Point N 34° E, 7.0'

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
4310	205	3800		
843	131	3900		
3467	74			
	843	4000		

917

SERIAL TEMPERATURES.

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

REMARKS:

507.

S.S.W., P.L. = 97.3

Arnkil.

No. Hy. 4708. Date 12 Aug. '02.

Sigsbee Machine. 1 Reel. Narr.

Turns 1200 Cor. + 102 Depth 1302 fms.

Shot ~~or lead~~ 60 Lbs.

Bottom Globe

Bottom temperature 35.6

No. of thermometer 98237. Cor. -0

Corrected temperature 35.6°

Air 79° Surface 77° Drift

~~Trawl or dredge~~

am. SOUNDING WIRE. DOWN.	UP.	TURNS.	DREDGE ROPE. DOWN.	UP.
1.19.30	1.45.55	0		
20.15	44.55	100		
21.05	43.40	200		
21.55	42.45	300		
22.45	41.35	400		
23.35	40.35	500		
24.25	39.30	600		
25.30	38.20	700		
26.25	37.05	800		
27.20	35.50	900		
28.20	34.30	1000		
29.20	33.20	1100		
1.30.20	1.31.40	1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Kawahioa Point, N 35° 30' E, 8 8/10'

OK
[illegible]

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
4310	205	3700		
1200	103	3800		
3110	102	3900		
	1200			
	1302	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.

Pat Log 10.5

Hutchinson

No. Hy 4709 Date Aug 12, 1902.

Sigsbee Machine. #1 Reel. Navy

Turns 218 Cor. + 22 Depth 240 fms

Shot ~~or lead~~ 35 lbs.

Bottom Shs. Glob.

Bottom temperature 49.8

No. of thermometer 98237 Cor. -0.2

Corrected temperature 49.60

Air 78 Surface 77 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5- 46.50	52.10	0		
47.40	51.05	100		
48.30	50.00	200		
48.50	49.50	300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Kawahioa Point. { East Coast of Nihau Island.

~~N 63° 30' W,~~

		2500		
N 61°	W, 3 6/10	2600		
		2700		
OK		2800		
NO.		2900		
		3000		
218		3100		
22		3200		
240		3300		
		3400		
4310	205	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:

Pat Log 12.5

607

Hutchinson

No. Hy 4710 Date Aug 12, 1902

Sigsbee Machine. #1 Reel. Navy.

Turns 395 Cor. + 38 Depth 433 fms

Shot ~~or lead~~ 35 lbs.

Bottom fne. Co. Vol. S.

Bottom temperature 41.2°

No. of thermometer 98237 Cor. -0

Corrected temperature 41.2°

Air 78 Surface 78 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
6-26.50	35.40	0		
27.45	34.35	100		
28.40	33.35	200		
29.30	32.40	300		
30.30	31.35	400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Kawahioa Point. N63°30'W, 5 1/10'

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
4310	205	3500		
395	167	3600		
3915	38	3700		
	395	3800		
	433	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:

Hutchinson

Stat Log 14.5

No. Hy 4711 Date Aug 12, 1902.

Sigsbee Machine. #1 Reel. Stary.

Turns 470 Cor. + 44 Depth 514 fms

Shot ~~or lead~~ 60 lbs

Bottom Cs. Vol. S. Glob

Bottom temperature 40°

No. of thermometer 98237 Cor. -0

Corrected temperature 40°

Air 79 Surface 78 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7-13.40	23.25	0		
14.35	22.20	100		
15.25	21.20	200		
16.10	20.25	300		
16.55	19.25	400		
17.30	18.40	500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kawaihoa Point. N 71° W, 6 9/10'

		2500		
		2600		
OK		2700		
NO.		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
4310	205	3400		
470	161	3500		
3840	44	3600		
	470	3700		
	514	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. Stalley (386) P.L. 16.5

No. 4176 D Date Aug 12, 1902.

Sigsbee Machine. #1 Reel. Navy

Turns 617 Cor. + 5 Depth 672, fms

Shot ~~or lead~~ 35 #

Bottom G.M. S. M. Fn.

Bottom temperature 38.3°

No. of thermometer 98237 Cor. -0

Corrected temperature 38.3°

Air 79 Surface 78 Drift N33° E 4.0'

Trawl or dredge 9 ft. Tanned.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7.59.30	8.13.05	0	8:22.45	9:51.10
8.00.30	12.00	100	26.20	48.15
01.30	11.00	200	30.10	45.00
02.40	10.00	300	34.25	41.30
03.40	09.00	400	38.00	38.10
05.00	08.10	500	41.20	35.20
06.10	07.10	600	44.40	32.00
8.06.30	8.07.00	617 ~~700~~	48.00	29.00
		800	53.00	26.00
		900	56.30	17.30
		1000	9:00.00	11.40
		1100	04.30	9.08.00
		1200		
		1300	4 min -	
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Kawaihoa Point. N 73° 30' W, 8 6/10

		2500
		2600
		2700
		2800
		2900
		3000
		3100
		3200
		3300
4310	205	3400
617	150	3500
3693	55	3600
	617	3700
	672	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.

Staisy

No. 4712 Hy Date 12 Aug. 1902

Lisbee Machine. 1 Reel. Navy

Turns 492 Cor. + 45 Depth 537. Jn

Shot ~~or lead~~ 35 #

Bottom gy. S. M. Fr.

Bottom temperature 40°

No. of thermometer 98237 Cor. -0

Corrected temperature 40.0°

Air 80 Surface 78 Drift

~~Trawl or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9.56.30	10.07.05	0		
57.30	06.05	100		
58.30	05.05	200		
59.30	04.00	300		
10.00.35	03.00	400		
01.40	10.02.20	492 ~~500~~		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Ack.

This marks end of D 4176.

2—571

Kawahioa Point, 8 840 30' W, 10 5/10'

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
4310	201	3600		
492	168	3700		
3818	45	3800		
	492	3900		
	538	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. Akutil -387- P. — S. 25 08

No. 4177 Dr Date 12 Aug. 02

Kigsbee Machine. Reel. Navy

Turns 412 Cor. + ~~39~~ 35 Depth 457 fms

Shot ~~or lead~~

Bottom gy. S. Glob.

Bottom temperature 41°

No. of thermometer 9 8237 Cor. - 0

Corrected temperature 41.0°

Air 81 Surface 78 Drift 8330 6 / 2.3'

Trawl ~~or dredge~~ 9 ft Tanner

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11.40.00	48.40	0	11.53.30	12.59.30
40.45	47.35	100	57.05	56.55
41.40	46.35	200	12.01.00	53.30
42.30	45.40	300	05.10	50.—
43.30	44.40	400	08.55	46.40
43.50	44.30	412 ~~500~~	12.20	43.15
		525* 600	16.35	39.30
		625 ~~700~~	~~25.—~~	
		637 685 ~~800~~	~~29.30~~ 12.34.—	12.36.15
		900		
		1000	20	min.
		1100		
		1200		
		1300	* Trawl on	bottom
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Kawahiwa Point, S 54° W, 17.5'

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
4310	204	3500		
412	166	3600		
3898	39	3700		
	412	3800		
	451	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:

— 388 —

Arthrill.

No. Dr. 4178 Date 12 aug. 02.

Sigsbee Machine. / Reel. New.

Turns 290 Cor. + 29 Depth 319 fms.

~~Shot or~~ lead 36 Lbs.

Bottom Co. S. P. R.

Bottom temperature Distant trip.

No. of thermometer 9823 T. Cor.

Corrected temperature

Air 84° Surface 78° Drift { N52°E 1.7'

Trawl ~~or dredge~~ 9' Beam.

SOUNDING WIRE. DOWN.	SOUNDING WIRE. UP.	TURNS.	DREDGE ROPE. ~~DOWN.~~	DREDGE ROPE. UP.
1.03.10	1.09.30	0	1-19-30	2.03.05
03.55	08.30	100	23-35	57.45
04.45	07.30	200	27-30	56-20
1.05-30	1.06.40	~~290~~ 300	31-00	52-30
		400	1-37-00	1-48-30
also mark. end of Dr. 4177.		500		
		600	11 min	
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kawahioa Point, 861°30' W, 17.6'

		2500		
		2600		
OK H.B.		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
4310	205	3700		
		3800		
290		3900		
29				
319		4000		

SERIAL TEMPERATURES.

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

REMARKS:

Net (~~Slightly~~) torn.

No. D.S. 4179. Date 12 Aug. '02

Sigsbee Machine. 1 Reel. Navy.

Turns 344 Cor. + 34 Depth 378 fms.

~~Shot or~~ lead 36 Lbs.

Bottom R. P. Co.

Bottom temperature 42.2

No. of thermometer 9823. Cor. -0.2

Corrected temperature 42.0° { N 11° W 1.0'

Air 84° Surface 79° Drift

~~Trawl or dredge~~ 5½' Blake, apron

On SOUNDING WIRE.		TURNS.	On DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2.05.45	2.13.30	0	2.18.20	3.07.30
06.30	12.30	100	22.55	03.40
07.25	11.30	200	26.40	3.00.00
08.30	10.30	300	30.-	✓7.10
2.09.-	2.10.-	344		
		400	33.20	✓4.10
		420*		
		~~475~~	36.10	
Abs. marks on		~~500~~	41.10	✓0.✓5
of		~~525~~	2 43.-	2.✓0.-
D.S. 4178.		~~700~~ 800		
			14	Min.
		900		
		1000	* Bottom.	
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kawahioa Point, S60° 45' W, 19.2'

OK
HD.

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
4310	205	3700		
344	171	3800		
3966	34	3900		
	344	4000		
	378			

SERIAL TEMPERATURES.

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

REMARKS:

Net slightly torn -

507. -390-

Arnkil-Hutchinson

No. Dr. 4180. Date 12 Aug. '02.

Fisher Machine. 1 Reel. Navy.

Turns 389 Cor. + 37 Depth 426 fms.

~~Shot~~ or lead 36 Lbs.

Bottom P. Glob. R.

Bottom temperature 41.1

No. of thermometer 98237. Cor. -0

Corrected temperature 41.1

Air 86° Surface 79° Drift { N 50° E 3.0'

Trawl ~~or dredge~~ 5½' Blake, apron.

Pm SOUNDING WIRE. DOWN.	UP.	TURNS.	Pm DREDGE ROPE. DOWN.	UP.
3.10.10	3.18.50	0	3.21.40	18.30
10.55	17.45	100	26.–	15.20
11.45	16.45	200	29.55	12.10
12.40	15.50	300	33.20	09.05
3.13.25	3.14.45	389 ~~400~~	36.40	06.00
		500*	40.–	4.02.45
		550	~~42.45~~	
		600	~~51.30~~	59.20
		625	~~52.40~~	58.20
		700		
		800	* 18 Min	
		900		
		1000		
		1100	* Bottom.	
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Also marks and of Dr. 4179.

2—571

Kawahioa Point, S. 58° W, 19.5'.

OK
H.B.
1/2

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
4310.	205	3800		
389	168	3900		
3921	37	4000		
	389			
	426			

SERIAL TEMPERATURES.

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

REMARKS:

Net slightly torn.

507.

Butchman

No. Hy 4713 Date Aug 12 1902.

Sigsbee Machine. #1 Reel. Navy

Turns 380 Cor. + 37 Depth 417 fms

~~Shot or~~ lead 36 lbs

Bottom Globe.

Bottom temperature 41.2°

No. of thermometer 95237 Cor. -0

Corrected temperature 41.2°

Air 86 Surface 79 Drift

~~Trawl or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4. 20.45	30.05	0		
21.45	29.00	100		
22.55	27.55	200		
24.05	26.05	300		
24.10	25.20	400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Kawaihoa Point, 85° W, 22.3'

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
4310	205	3500		
380	168	3600		
3930	37	3700		
	380	3800		
	417	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:

Stanley P.L. 41.3

No. 4714 Hy Date 12th Aug. 02.

Sigsbee Machine. 1 Reel. Navy

Turns 818 Cor. + 72 Depth 890 fms

~~Shot or~~ lead 35 #

Bottom br M S

Bottom temperature 37°

No. of thermometer 98237 Cor. -0

Corrected temperature 37.0°

Air 75 Surface 77 Drift

~~Trawl or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7:03.50	7.21.05	0		
04.30	20.00	100		
05.20	19.00	200		
06.00	17.55	300		
06.55	16.50	400		
07.50	15.40	500		
08.45	14.25	600		
09.50	13.15	700		
10.00	12.10	800		
7 11.15	7.12.00	818 ~~900~~		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Course N+S. (pse)

South Coast of Kauai Island
Ukula Point, N 66° E, 5.5'

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

4310 20.5
818 13.8
3492 7.2
818
898 7.48

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.S. 42.3

No. 4715 #4 Date 12 Aug. 02

Sigsbee Machine. 1 Reel. Navy

Turns 929 Cor. + 8 Depth 1010 fms

Shot ~~or lead~~ 60

Bottom br. M. S.

Bottom temperature 36.6°

No. of thermometer 98237 Cor. -0

Corrected temperature 36.6°

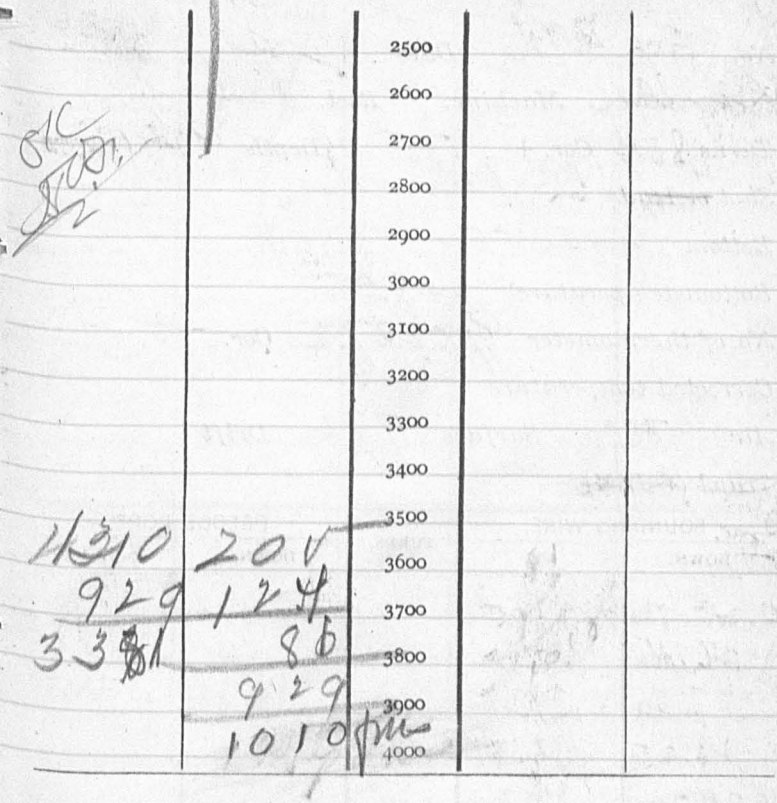
Air 79 Surface 78 Drift

Trawl or ~~dredge~~

SOUNDING WIRE. DOWN.	SOUNDING WIRE. UP.	TURNS.	DREDGE ROPE. DOWN.	DREDGE ROPE. UP.
7.40.50	7.59.15	0		
41.35	58.10	100		
42.70	57.10	200		
43.00	56.10	300		
43.50	55.10	400		
44.40	54.05	500		
45.35	53.00	600		
46.25	51.50	700		
47.70	50.50	800		
48.20	49.40	900		
7.48.40	7.49.30	929		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Ukula Point. N 59° 30' E., 6.3'



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. = 52.3

Arnfeld

No. Hy. 4716. Date 12 Aug. '02

Rigsbee Machine. 1 Reel. Heavy

Turns 854 Cor. + 75 Depth 929 fms.

Shot ~~or lead~~ 60 Lbs

Bottom gy S M For

Bottom temperature 36.8

No. of thermometer 98237. Cor. −0

Corrected temperature 36.8°

Air 78° Surface 77° Drift

~~Trawl or dredge~~

Pm. SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.25.50	10.41.25	0		
26.40	40.20	100		
27.30	39.25	200		
28.25	38.25	300		
29.20	37.30	400		
30.10	36.30	500		
31.10	35.20	600		
32.15	34.15	700		
33.15	35.20	800		
10.33.40	10.34.40	854 ~~900~~		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Ukula Point, N 37°45' W, 6.5'

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
4310	205	3700		
854	130	3800		
3456	75	3900		
	854	4000		
	929			

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 62.3

507

Hutchinson

No. Hy 4717 Date Aug 13 '02.

Sigsbee Machine. 1 Reel. Navy

Turns 347 Cor. + 34 Depth 381 fm

Shot ~~or lead~~ 60 lbs.

Bottom fine co S

Bottom temperature 42.5

No. of thermometer 98237 Cor. -0.2

Corrected temperature 42.30

Air 78 Surface 76 Drift

~~Trawl or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1-14.40	23.15	0		
15.35	22.05	100		
16.20	20.50	200		
17.10	19.40	300		
17.40	19.00	400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Ukula Point, N 74° 15' W, 13.5'

		2500
		2600
		2700
		2800
		2900
		3000
		3100
		3200
		3300
		3400
4310	205	3500
347	171	3600
3963	34	3700
	347	3800
	381	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. Pat Log 72.3

Hutchinson

No. Hy 471.8 Date Aug 13, 1902

Sigsbee Machine. #1 Reel. Navy

Turns 320 Cor. + 32 Depth 352 fms

Shot ~~or lead~~ 35 lbs.

Bottom fre. co. S. For

Bottom temperature 42.6°

No. of thermometer 98237 Cor. -0.2

Corrected temperature 42.4°

Air 78 Surface 76 Drift

~~Trawl or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3-47.55	56.00	0		
48.50	54.40	100		
49.45	53.30	200		
50.40	52.25	300		
51 =	52.10	400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

East Coast of Kauai, Hanamaulu (Ahukini) Whae N 51° W, 5.7'

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
4310	205	3600		
320	173	3700		
3990	32	3800		
	320	3900		
	352	4000		

OK
N.B.
[illegible]

SERIAL TEMPERATURES.

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

REMARKS:

507. -391- P.S. 74.3.

No. 4181 D Date 13" Aug. 02

Machine 1 Reel. Navy

Turns 745 Cor. + 66. Depth 811 fms

Shot ~~or lead~~ 60 ~~#~~

Bottom mang. S. Glob.

Bottom temperature 38.1

No. of thermometer 98237 Cor. -N2.W,

Corrected temperature 38.1 (~~Nott~~

Air 78 Surface 76 Drift 2.2'

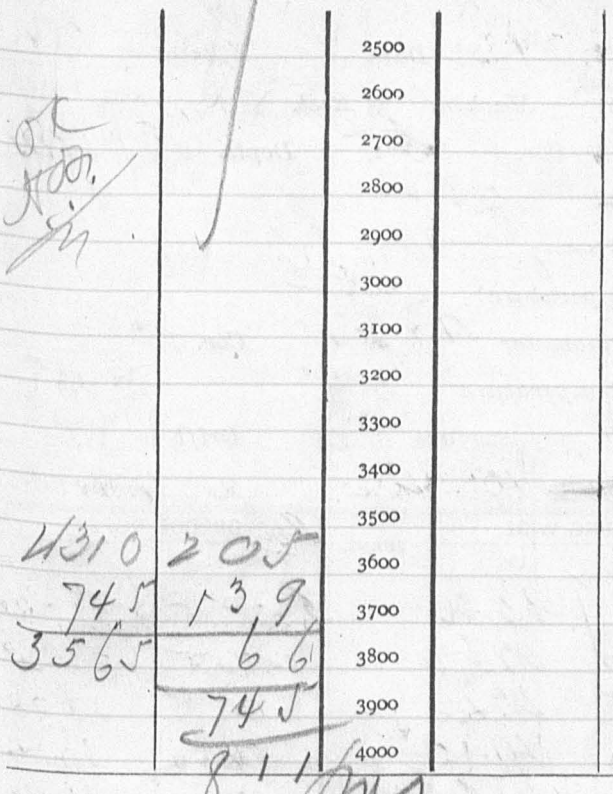
Trawl ~~or dredge~~ 5½ ft Blake apron

SOUNDING WIRE. DOWN.	UP.	TURNS.	DREDGE ROPE. DOWN.	UP.
5.17.30	5.33.25	0	5.43.30	7.24.30
18.40	32.20	100	47.00	21.40
19.30	31.20	200	50.30	18.00
20.20	30.30	300	54.00	15.00
21.20	29.30	400	57.40	12.00
22.30	28.30	500	6.01.30	08.30
23.25	27.10	600	05.00	05.00
24.25	26.10	700	08.30	7.01.30
5.25.00	5.25.40	745	12.00	58.00
		900	15.15	54.20
		1000 *	19.20	50.30
		1100	~~26.00~~	6.45.00
		1200		
		1300	26"	
		1400		
		1500		
		1600		
		1700	* Took ground	
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Course N.N.E. (PSC)

Hanamaulu Wharf, N 56° W. 6.6'



SERIAL TEMPERATURES.

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

REMARKS:

507. -392-

Gaussy Arnold

No. Dr. 4182 Date 13" Aug. '07

Sigsbee Machine. 1 Reel. Navy

Turns 616 Cor. + 55 Depth 671 fms

Shot ~~or lead~~ 60 #

Bottom many S. Glob. R

Bottom temperature 38.4

No. of thermometer 98237 Cor. -0

Corrected temperature 38.4°

Air 78 Surface 77 Drift (N 19° E 1.8'

Trawl ~~or dredge~~ 10' Blake.

SOUNDING WIRE. DOWN.	UP.	TURNS.	DREDGE ROPE. DOWN.	UP.
7.32.00	7.43.50	0	7.55.15	8.40.20
32.40	42.50	100	58.55	36.35
33.35	42.00	200	8.02.45	33.30
34.30	41.10	300	06.50	30.10
35.25	40.20	400	09.55	26.40
36.20	39.30	500	12.50	23.-
37.20	38.30	600	17.40	19.-
7.37.35	~~7.38.20~~	616 ~~700~~	21.50	14.50
		800	24.50	09.25
		900	27.55	05.-
		980* 1000	32.10	9.00.-
		1050 1100	8.35.30 ~~50.-~~	8.55.-
		1200	20 min.	
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900	* Bottom	
		2000		
		2100		
		2200		
		2300		
		2400		

Also marks end of Dr. 4181.

2—571

Hanamaula Whse, N 74° 30' W, 5.6'

OK
NCB.
2

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
4310	201	3600		
616	150	3700		
3694	55	3800		
	616	3900		
	671	4000		

JMS

SERIAL TEMPERATURES.

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

REMARKS:

Not worked completely.

507. -393-

Arnold Hutchinson

No. Δ-. 4183. Date 13 Aug. '02.

Sigsbee Machine. 1 Reel. Navy.

Turns 880 Cor. + 77 Depth 957 fms.

Shot ~~or lead~~ 35 lbs.

Bottom fne. gy. S. blob.

Bottom temperature 36.8

No. of thermometer 98237. Cor. -0

Corrected temperature 36.8°

Air 76° Surface 76° Drift (N 25° E 2.1'

Trawl ~~or dredge~~ 9' Tanner, 3 - 35 lbs weights

Am. SOUNDING WIRE. DOWN.	UP.	TURNS.	Am DREDGE ROPE. DOWN.	UP.
9.45.40	10.04.50	0	10.17.-	16.40
46.25	03.40	100	20.30	13.15
47.15	02.40	200	23.45	09.55
48.10	01.40	300	27.55	06.40
49.05	10.00.45	400	31.45	12-03.15
50.10	59.45	500	35.-	59.40
51.15	58.45	600	38.40	56.00
52.20	57.40	700	42.05	52.10
53.30	56.40	800	46.-	48.30
9.54.10	9.55.40	880		
		900	49.30	44.40
also marks end		1000	53.05	40-40
of		1100	57.-	36-20
Δ-.	4182.	1175*	11.01.10	32-00'
		1200		
		1250	03.50	
		1300	~~16.-~~	27.50
		1325	17.15	
		1375	11.20.50	11.24.25
		1400		
		1500	20	min.
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200	* Bottom	
		2300		
		2400		

2—571

Hanamaulu Whse, S 87° 15' W, 6.1'

OK
[illegible]

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
4310	205	3700		
880	128	3800		
3430	77	3900		
	880	4000		
	957			

SERIAL TEMPERATURES.

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

REMARKS:

394

507. Hutchinson

No. Dr 4184 Date Aug 13, 1902.

Sigsbee Machine. #1 Reel. Navy

Turns 982 Cor. + 85 Depth 1067 fms

Shot ~~or lead~~ 60 lbs.

Bottom gy S. Glob

Bottom temperature 36.3°

No. of thermometer 98237 Cor. -0

Corrected temperature 36.3°

Air 81 Surface 77 Drift { N 70° W 3.2'

Trawl ~~or dredge~~ 9' Tanner; wing weights each side

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
P.M. DOWN.	UP.		P.M. DOWN.	UP.
12-22.00	42.55	0	12-48.40	54.30
22.55	41.50	100	52.30	50.20
23.45	40.50	200	56.20	47.10
24.40	39.50	300	1-00.20	44.00
25.40	38.55	400	03.50	40.45
26.35	37.55	500	06.45	37.10
27.30	36.55	600	10.15	33.55
28.35	35.55	700	13.55	30.25
29.35	34.50	800	17.35	26.50
30.35	33.50	900	21.30	23.15
31.30	33.00	1000	24.30	19.35
		1100	28.30	15.45
Also marks end		1200	32.00	12.00
of Dr 4183.		1300	35.20	07.10
		1350	37.25	
		1400	~~46.00~~	2-02.30
		1500		
		1600	25m	
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Hanamaulu Whse, 871°45' W., 7 2/10'

ok
[illegible]

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
4310	205	3500		
982	120	3600		
3328	85	3700		
	982	3800		
	1067	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:

* Bottom 1330

507. 395

Hutchinson Stailey A.J.K.

No. Dr 4185 Date Aug 13, 1902.

Sigsbee Machine. #1 Reel. Navy.

Turns 920 Cor. + 80 Depth 1000 fms

Shot ~~or lead~~ 60 lbs.

Bottom gy S. M. For.

Bottom temperature 36.6°

No. of thermometer 98237 Cor. —0

Corrected temperature 36.6

Air 81 Surface 77 Drift { N 17° E 4.2'

Trawl ~~or dredge~~ 9' Tanner, Tail & Wing Weights

SOUNDING WIRE. DOWN.	UP.	TURNS.	DREDGE ROPE. DOWN.	UP.
3-01.15	20.50	0	3,-26.30	6.01.30
02.05	19.45	100	31.20	59.40
02.50	18.45	200	35.00	55.40
03.50	17.45	300	39.20	52.40
04.45	16.50	400	42.50	49.40
05.40	15.55	500	46.30	46.30
06.40	14.55	600	49.50	43.10
07.40	13.55	700	53.00	40.00
08.50	12.50	800	56.30	36.25
09.55	11.45	900	4.00.00	33.10
10.10	11.30	1000	03.30	29.40
also		1100	06.45	26.10
Marks end of		1200	10.00	22.50
Dr 4184		1300	15.30	19.10
		1400	20.00	15.30
		1500	25.00	11.30
		1600	29.20	07.40
		1700	32.40	04.00
		1800	38.00	5:00.00
		1900		
		2000	22 m	
		2100		
		2200		
		2300		
		2400		

2—571

Hanamaulu Whse, S49°30'W, 8 4/10'

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
4310	205	3400		
920	125	3500		
3390	80	3600		
	920	3700		
	1000	3800		
		3900		
		4000		

2 More Hauls G.D. 397

SERIAL TEMPERATURES.

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

REMARKS:

507

Sarry Arn Fil

No. Hy 4719 Date 13 August 02

Sigsbee Machine. 1 Reel. Navy

Turns 1211 Cor. + 103 Depth 1314 fms

Shot ~~or lead~~ 60 Lbs

Bottom bk Sp.

Bottom temperature 35.—

No. of thermometer 98237 Cor. -0

Corrected temperature 35.0

Air 79 Surface 77 Drift

~~Trawl or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
6.10.10	6.34.30	0		
11.—	33.40	100		
11.50	32.45	200		
12.40	31.50	300		
13.35	31.—	400		
14.30	30.—	500		
15.30	29.10	600		
16.30	28.10	700		
17.30	27.10	800		
18.35	26.10	900		
19.40	25.10	1000		
20.45	24.10	1100		
6.21.50	6.23.—	1200		
		1211		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Hanamaulu Mtn. S 38° 45' W, 12.2'

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

4310 | 205
1211 | 102
3099 | 103
121
1314

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 396 P.L. = 80.3

No. D.S. 4186 Date 13 Aug. '02.

Lisbee Machine. / Reel. Kamp

Turns 626 Cor. + 56 Depth 682 fms

Shot ~~or lead~~ 60 Lbs.

Bottom gy S. Stn

Bottom temperature 38.1

No. of thermometer 98237. Cor. -0

Corrected temperature 38.1°

Air 76 Surface 77 Drift { N 5° W 1.7'

Trawl ~~or dredge~~ 9' Tanner, Tail & Wing Nights

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7.34.15	7.47.45	0	7-54.10	37.50
35.05	46.45	100	58-50	34.15
36.05	45.45	200	8-03-00	31.15
37.05	44.45	300	07-30	28.30
38.-	43.45	400	11-45	24.50
38.55	42.50	500	15-50	21.20
39.50	41.50	600	19-00	17.45
7. 40.-	7. 41.25	626 700	23-50	14.10
		800	28-00	09.50
		900	32-35	05.10
		1000	35-50	9-00.50
		1055 ~~1100~~	38-10	58.40
		1200		
		1300	20 Min	
		1400		
		1500		
		1600		
		1700	Bottom at 840 fms	
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Hanamauler Whse, S 48°15' W, 7 1/10'

OK
[illegible]

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
4310	205	3700		
626	149	3800		
3684	56	3900		
	626	4000		
	682			

SERIAL TEMPERATURES.

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

REMARKS:

Lost one wing weight - 35 lb shot.

397

507.

Hutchinson

No. Dr 4187 Date Aug 13, 1902

Sigsbee Machine #1 Reel. Navy

Turns 465 Cor. + 43 Depth 508 fms

Shot ~~or lead~~ 60 lbs.

Bottom ~~Fe~~ gy. S. For.

Bottom temperature 40°

No. of thermometer 98237 Cor. -0

Corrected temperature 40.0'

Air 76 Surface 77 Drift N 130 E 1.5'

Trawl ~~or dredge~~ 9' Tanner, Tail & Wing Weights.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9.- 45.10	55.55	0	10.02.10	18.00
45.55	54.55	100	06.40	14.45
46.50	53.55	200	10.20	11.30
47.40	52.55	300	14.20	08.05
48.35	52.00	400	17.45	04.40
49.25	51.20	500	20.10	11-01.05
		600	23.00	57.30
Marks end of		700	27.50	53.45
Dr 4186		750 ~~800~~	31.00	51.45
		900		
		1000	21 min	
		1100		
		1200		
		1300	Bottom 580 fms	
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Hanamaulu Whse, S 38° 45' W, 8 1/10'

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
4310	205	3500		
465	162	3600		
3845	43	3700		
	465	3800		
	508	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

Autochinism

No. Hy 4720 Date Aug 13, 1902,

Sigsbee Machine. #1 Reel. Navy.

Turns 645 Cor. + 58 Depth 703 fm

Shot ~~or lead~~ 35 lbs.

Bottom gy. S. M. For.

Bottom temperature 38.3°

No. of thermometer 98237 Cor. -0

Corrected temperature 38.3°

Air 78 Surface 77 Drift

~~Trawl or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11-23.40	37.35	0		
24.30	36.30	100		
25.20	35.30	200		
26.20	34.30	300		
27.15	33.25	400		
28.10	32.20	500		
29.10	31.20	600		
29.45	30.45	700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Hanamaulu Whse, S 34° 45' W, 9 5/10'

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
4310	205	3500		
645	147	3600		
3665	58	3700		
	645	3800		
	703	3900		
		4000		

OK

SERIAL TEMPERATURES.

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

REMARKS:

Ran off 1300 fms. dredge cable in forenoon of 14th August, wiped it, and tarred it with the tar-preparation furnished by the cable mfrs.

Seattle 398

No. 4188 Date Aug. 23 - 07

Machine. Reel.

Turns Cor. + Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 74 Surface Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
6.54	7.04	0	10m	
7.08	7.18	100	10m	
7.22	7.32	300	10m	
7.37	7.47	500	10m	
7.50	8.00	700	10m	
		900		
		1000	5x2 hauls = 10 hls	
		1100	total time 50m	
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Honolulu to San Francisco.
28°13'42" N 145°44' W.

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

st bd and port booms

SERIAL TEMPERATURES.

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

Clear to cloudy. Gentle breezes from NE to S. Smooth sea, passing rain squalls.

REMARKS:

507.

Hutchinson

399

No. Sr 4189 Date Aug 25 1902

Machine. Reel.

Turns Cor. + Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 74 Surface 69 Drift

Surface Nets

2' NE x E

Trawl or dredge 2 Surface Nets, S & P. booms

SOUNDING WIRE. DOWN.	SOUNDING WIRE. UP.	TURNS.	DREDGE ROPE. DOWN.	DREDGE ROPE. UP.
6.32	6.42	0	10 min, 2 nets	
		100		
6.47	6.57	200	10 min, 2 nets	
		300		
7 A.M.	7.10	400	10 Min, 2 nets	
		500		
7.14	7.24	600	Std side only Port net torn.	
		700		
7.29	7.39	800	Shifted net	
		900	to Port boom	
		1000		
3 hauls		1100	with 2 Nets	
2 "		1200	" 1 "	
		1300		
= 8 hauls		1400	50 Min.	
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Cat Log 40.5

31° 34' 12" N. 139° 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				
50	Clear + Cloudy -			
100	light breeze —			
200	Seas N.N.E.			
300	Smooth Sea			
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Both not both
Tow

507. Arikil

-400- P.L. 24.5 } 0.4 m.
24.9 }

No. Dr. 4190. Date Aug. 27th, '02.

— Machine. — Reel

Turns — Cor. + Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 69° Surface 69° Drift { N65° E 2.0'

~~Trawl or dredge~~ 2 Surface Nets, S. & P. booms,

No Sounding

~~SOUNDING WIRE.~~		TURNS.	~~DREDGE ROPE.~~	
Pm. DOWN.	Pm UP.		~~DOWN.~~	~~UP.~~
6.33	6.43	~~0~~	10 m. each.	
		100		
6.46	6.56	~~200~~	10 m.	"
		300		
6.59	7.09	~~400~~	10 m.	"
		500		
7.12	7.22	~~600~~	10 m.	"
		700		
7.25	7.35	~~800~~	10 m.	"
		900		
7.38	7.48	~~1000~~	10 m.	"
		1100		
=	12 hauls	1200	(or 6 simultaneous-);	
		1300	60 minutes.	
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

34° 39' 18" N. 133° 04' 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	Fair, partly cloudy, and pleasant.			
50	Gentle breeze from North. Smooth			
100	Sea. —			
200	Pat. Log at beginning 24.5, and			
300	at end of Surface Tows, 24.9			
400	Ship having made 0.4 mile.			
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		

		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:

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		

		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:

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		

		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:

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		

		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:

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		

		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:

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		