

#20.

Hawaiian Explorations.

D^s. 4138 - 4161.

H^y. 4631 - 4656.

Aug. 1st - 7th, 1902.

Next Dr. 4138.

" Hy. 4631.

Mr. Hepburn - Stailey,

" Kempff - Arakil,

" Mitchell - Hutchinson.

3470

$\frac{25}{17}$
 $\frac{105}{35.5}$

$\frac{1.5}{20.5}$

$\frac{27}{27}$

$\frac{2.5}{20.5}$

5.70

$\frac{15}{30}$
 $\frac{15}{180} / 60$
 $150 / 3$

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:

Hutchinson

No. *5* 4138 Date *1 Aug. '02.*
 Sigsbee Machine. / Reel. *Navy.* fms.
 Turns *435* Cor. + *41* Depth *476* fms.

Shot or lead *36* lbs.
 Bottom *fm. h. S. R*

Bottom temperature *40°*

No. of thermometer *98236.* Cor. *-0*

Corrected temperature *40.0°* (*N 15° E*)

Air *79* Surface *77* Drift *1.8'*

Trawl or dredge *S Blake, apron: New Model "allata"*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>9-</i> 21.45	32.30	0	<i>9-</i> 40.30	29-
22.35	31.20	100	45.00	24.05
23.40	30.00	200	49.10	20.30
24.45	28.45	300	53.30	16.50
26.00	27.45	400	58.25	12.00
26.30	27.15	<i>435</i>	10-02.10	08.30

*Marks end of
 5 4137*

24 min

Station under No. 88°W, 27/10'

OK
J.W.
/

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
4310	205	3500	
435	164	3600	
<hr/>		3700	
3875	41	3800	
	435	3900	
	<hr/>		
	476	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Next	No. 4138.		
50	"	No. 4631.		
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Worked to 820 fms under 3000# strain
 Between 600 and 800 fms, strain
 varied from 1000 to 4000 lbs.
 Beams slightly bent, nets
 a complete wreck. (and frame
 wrenched &
 twisted)
 Nothing lost.

~~Station~~ 4631 Hy

No. ~~4139~~ Date Aug 1st 11

Sigsbee Machine. #1 Reel. Navy.

Turns 400 Cor. + 38 Depth 438 fms

Shot or lead 36#

Bottom fm gy S. Fr.

Bottom temperature 41.0

No. of thermometer 98236 Cor. -0

Corrected temperature 41.0

Air 78 Surface 77 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11-36.05	47 =	0		
36.45	45.50	100		
38 =	44.40	200		
39 =	43.30	300		
40 =	42.20	400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Anamauku Whse, S 60° W, 3.7'

OK
JTD
is

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
4310	205	3400	
400	167	3500	
<u>3910</u>	<u>38</u>	3600	
	400	3700	
	<u>438</u>	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:

349 P.L. 290

No. 4139 Date Aug. 2 1902
 Machine. Reel. X-ray
 Turns 468 Cor. + 44 Depth 512 fms
 Shot or lead 36 #
 Bottom gy S. R
 Bottom temperature 40.3
 No. of thermometer 98236 Cor. -0
 Corrected temperature 40.3° (J1540W)
 Air 78 Surface 77 Drift 1.6'
 Trawl or dredge 8 ft Blake N.M. Apr. M.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
12.34.30	12.46.55	0	12.54.00	15.00
35.45	45.15	100	58.15	11.10
36.30	44.45	200	1.07.15	07.15
37.30	43.30	300	07.00	2:00.30
38.40	42.15	400	11.30	59.00
12.39.20	12.41.20	468	15.30	54.00
		500*	20.00	48.30
		625*	25.30	1.40.00
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Blake-Allatons
 Trawl -
 15 min -
 * Book bottom

Course N (PAC.)

Hanamaulu Whse, S 57° W., 5.2'

OK
H. C. W.
1/27

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
H 310	290	3600	
46.8	161	3700	
<hr/>		3800	
3842	44	3900	
	46.8	4000	
	512		

SERIAL TEMPERATURES.

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

REMARKS:

Bridles checked away the
double over top bottle
and beam bant; Net
not used.

No. 4140 Date Aug. 29, 1908
 Machine. 1 Reel. Tracy
 Turns 308 Cor. + 31 Depth 339 fms
 Shot or lead 36 #

Bottom fm gy S
 Bottom temperature 43.6°
 No. of thermometer 98236 Cor. -0.2
 Corrected temperature 43.4° (N 72° E)
 Air 78 Surface Drift 1.5'
 Trawl or dredge J.P. Blake N.M. Apron

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2. 22.10	2. 30.10	0	2. 47.00	3. 48.00
23.10	29.10	100	51.30	45.00
24.10	28.10	200	55.40	41.20
25.10	26.10	300	59.30	37.50
25.20	27.50	308	3.03.30	34.00
		* 500	09.00	3. 30.00
		600	Blake-dredge -	
		700	21 min -	
		800		
		900		
		1000		
		1100	* 1100 ground	
		1200		
		1300		
		1400		
		1500		
		1600	* 1600 ground	
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Course ENE (D.C.)

Hanamaulu Whse.

839° N, 4.9'

OK
 11/17
 3

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

11310 205
 308 174
 4002 31

SERIAL TEMPERATURES.

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

REMARKS:

Run 0.5 knots before putting net over at this station.

No. *Dr. 4141*

Date *2nd Aug 02*

351
Wavy

Machin. *1* Reel.

Turns *399* Cor. + *38*

Depth *437 fms*

Shot or lead *36 lb*

Bottom *Fm. M. S.*

Bottom temperature *41. -*

No. of thermometer *98736* Cor. *-0*

Corrected temperature *41.0°* (*at 28° S*)

Air *78° -* Surface *77° -* Drift *1.1'*

Trawl or dredge *8' B-Albatross* with Apron*

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>3.53.30</i>	<i>4.03.20</i>	0	<i>4.08.20</i>	<i>5.28.50</i>
<i>54.20</i>	<i>02.20</i>	100	<i>13.10</i>	<i>24.40</i>
<i>65.20</i>	<i>01.15</i>	200	<i>17.15</i>	<i>20.40</i>
<i>36.20</i>	<i>4.00.05</i>	300	<i>21.10</i>	<i>16. -</i>
<i>3.57. -</i>	<i>3.57. -</i>	<i>399</i>	<i>25. -</i>	<i>11.20</i>
		400	<i>29.30</i>	<i>06.25</i>
		500	<i>34. -</i>	<i>5.01.20</i>
		600	<i>4.36.25</i>	<i>4.56.20</i>
		700		
		800	<i>20 min.</i>	
		900		
		1000	<i>* Beam of this trawl was bent before went down.</i>	
		1100		
		1200		
		1300		
		1400	<i>** Bottom.</i>	
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Also marks end of Dr. 4140.

Haramanku Whse, S46° W, 6.2'

OK
 1/15
 1/14

4310
~~399~~
 3911

201-
 167
 318
~~399~~
 437

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:

Course (P.S.C.), N.E.

No. *Dr. 4142.* Date *2 Aug. '02.*
Sigsbee Machine. / Reel. *Mary.*
 Turns *579* Cor. + *53* Depth *632 fms.*
 Shot or lead *36 Lbs.*
 Bottom *crs Mang. S. R*
 Bottom temperature *38.6*
 No. of thermometer *98236.* Cor. *-0.*
 Corrected temperature *38.6°* *(X 140°)*
 Air *78°* - Surface *77°* - Drift *2.6'*
 Trawl or dredge *8' B-Albatross* with apron.*

A.M. SOUNDING WIRE.		TURNS.	A.M. DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>5.34.20</i>	<i>5.47.35</i>	0	<i>5.57.20</i>	<i>7.40.30</i>
<i>35.15</i>	<i>46.30</i>	100	<i>6.01.20</i>	<i>36.15</i>
<i>36.10</i>	<i>45.35</i>	200	<i>05. -</i>	<i>32.20</i>
<i>37.10</i>	<i>44.35</i>	300	<i>08.45</i>	<i>28.30</i>
<i>38.10</i>	<i>43.35</i>	400	<i>12.25</i>	<i>25.25</i>
<i>39.30</i>	<i>42.30</i>	500	<i>16.15</i>	<i>21.50</i>
<i>5.40.15</i>	<i>5.41.30</i>	<i>579</i>	<i>19.35</i>	<i>18.10</i>
		600	<i>22.50</i>	<i>14.30</i>
		700	<i>27.05</i>	<i>10.30</i>
		<i>725**</i>	<i>30.30</i>	<i>06.05</i>
		800	<i>35. -</i>	<i>7.01.10</i>
		900	<i>38.53</i>	<i>56.15</i>
		1000	<i>6.42.20</i>	<i>51.10</i>
		1100		<i>6.50.15</i>
		1200		
		<i>1210</i>		
		<i>1300</i>		
		1400		
		1500	<i>8</i>	<i>7 min.</i>
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Also marks end of Dr. 4141.

** Beam bent before went down.*

*** Bottom.*

Henamaulu Whse, 843°15' N., 7.3'.

OK
2/15/24

4310
579

3731

205
152

53
579

632

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:

Strain on cable record out to 1210 fms. while
 towing, when commenced to leave in. — Stop
 holding net to inboard runner carried away.

Course (S.C.) N.E. by N.

507
 A. F. H. K. I. I.
 Photo. No. 4632

Date 2 Aug. '02

Sigsbee Machine. / Reel. Navy.

Turns 810 Cor. + 71 Depth 881 fms.

Shot or lead 36 lbs.

Bottom brs. Fr. Sh.

Bottom temperature 37°

No. of thermometer 98236. Cor. -0

Corrected temperature 37.0°

Air 80° - Surface 78° - Drift

~~Trawl or dredge~~

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7.44.35	02.50	0		
45.75	01.40	100		
46.15	8.00.40	200		
47.10	59.40	300		
48.20	58.45	400		
49.30	57.40	500		
50.50	56.35	600		
52.-	55.30	700		
53.15	54.20	800		
53.30		810		
Marked end of		900		
SV 4142		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Hanamaulu Whar. S34° W., 10 3/10

OK
3100
2/2

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

4310.
810
5500

205
135
71
810
881

SERIAL TEMPERATURES.

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

REMARKS:

507. *353* *O. L. 414*

No. *4143* Date *Aug 2⁵*

Sigsbee Machine. #1 Reel. *Harvey*

Turns *652* Cor. + *58* Depth *710 fms*

Shot or lead *36 lbs.*

Bottom *fy gy S. R*

Bottom temperature *38.0*

No. of thermometer *78236* Cor. *-0*

Corrected temperature *38.0* (X5.4)

Air *79* Surface *78* Drift *3.1*

Trawl or dredge *8' Blake, New Model with apron*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>9-57.20</i>	<i>11.50</i>	<i>0</i>	<i>10-18.45</i>	<i>11.55.00</i>
<i>58.10</i>	<i>10.40</i>	<i>100</i>	<i>22.45</i>	<i>51-</i>
<i>59.00</i>	<i>09.40</i>	<i>200</i>	<i>26.30</i>	<i>48.00</i>
<i>59.50</i>	<i>08.35</i>	<i>300</i>	<i>31.30</i>	<i>44.45</i>
<i>10-00.45</i>	<i>07.30</i>	<i>400</i>	<i>35.30</i>	<i>41.10</i>
<i>01.45</i>	<i>06.20</i>	<i>500</i>	<i>40.00</i>	<i>38.00</i>
<i>02.45</i>	<i>05.15</i>	<i>600</i>	<i>45.00</i>	<i>34.10</i>
<i>03.30</i>	<i>04.30</i>	<i>652</i>	<i>49.10</i>	<i>30.50</i>
		<i>700</i>	<i>52.40</i>	<i>27.15</i>
		<i>800</i>	<i>57.45</i>	<i>23.30</i>
		<i>950</i>	<i>11 am</i>	<i>20.50</i>
		<i>1000</i>		
		<i>1100</i>		
		<i>1200</i>	<i>20 Min</i>	
		<i>1300</i>		
		<i>1400</i>		
		<i>1500</i>		
		<i>1600</i>		
		<i>1700</i>		
		<i>1800</i>		
		<i>1900</i>		
		<i>2000</i>		
		<i>2100</i>		
		<i>2200</i>		
		<i>2300</i>		
		<i>2400</i>		

Hanamaulu Whse. N 64° 45' W, 4 8/10'

OK
5000
/

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

Beam Bunt.
4310 205
652 147
3658 58
652
710

SERIAL TEMPERATURES.

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

REMARKS:

5000 lb strain at 940 fms.
Lat every thing +
Net come up minus
all except large dredg
bucket.

No. *1633 Hy* Date *Aug 2nd '02.*

Machine. *#1* Reel. *Navy.*

Turns *565* Cor. + *51* Depth *616 fms.*

Shot or lead *36 #*

Bottom *fine gy. s.*

Bottom temperature *33.0*

No. of thermometer *98236* Cor. *-0*

Corrected temperature *38.0°*

Air *81* Surface *78* Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>11-56.30</i>	<i>12.09.30</i>	0
<i>57.20</i>	<i>01.10</i>	100
<i>58.10</i>	<i>07.10</i>	200
<i>59.10</i>	<i>06.20</i>	300
<i>12.00.10</i>	<i>05.10</i>	400
<i>01.20</i>	<i>04.20</i>	500
<i>07.00</i>	<i>17.03.30</i>	<i>565</i>

*This mark
end of
5443*

- 700
- 800
- 900
- 1000
- 1100
- 1200
- 1300
- 1400
- 1500
- 1600
- 1700
- 1800
- 1900
- 2000
- 2100
- 2200
- 2300
- 2400

San Antonio Whse. 875 N., 4.2'

Handwritten initials

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

4310 200
565 154
3745 51
565
616

SERIAL TEMPERATURES.

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

REMARKS:

No. 4144 Date 2 Aug 08
 Machine. Reel.
 Turns 781 Cor. + 69 Depth 850
 Shot or lead 60 x 69
 Bottom me. gy S
 Bottom temperature 37.4°
 No. of thermometer 98236 Cor. -0
 Corrected temperature 37.4° (N 43° W)
 Air 81 Surface 78 Drift 1.2'
 Trawl or dredge 8 Blake with apron

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
06.40	21.00	0	1.31.00	2.23.30
07.30	24.00	100	35.20	26.30
08.10	23.00	200	39.30	29.30
08.50	27.00	300	44.40	19.00
09.50	20.50	400	48.40	25.15
11.00	19.30	500	54.00	11.15
11.50	18.00	600	59.40	07.00
13.00	16.30	700	2.04.20	3.03.20
13.50	15.20	800	09.00	58.20
		900	13.00	54.15
		1000	16.40	59.20
		1100	22.00	46.00
		1150	23.30	44.00
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

20 71

Honamanku Whse, 8 55° 45' N., 7.5'

OK
JCS.
/3

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

4310 2025
781 36
3579 69
781
850

SEMIAL TEMPERATURES.

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

REMARKS:

No. *1634* Date *2^d August 02*
Rigsbee Machine. Reel. *Wray*
 Turns *704* Cor. + *63* Depth *767 fms*
 Shot or lead *35 #*
 Bottom *fine gy. S. for.*
 Bottom temperature *38.9*
 No. of thermometer *98236* Cor. *-0*
 Corrected temperature *38.0*
 Air *80* Surface *78* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>34.00</i>	<i>35.40</i>	0		
<i>34.50</i>	<i>30.45</i>	100		
<i>36.15</i>	<i>49.45</i>	200		
<i>37.30</i>	<i>48.45</i>	300		
<i>38.50</i>	<i>47.40</i>	400		
<i>40.10</i>	<i>46.50</i>	500		
<i>41.40</i>	<i>45.50</i>	600		
<i>43.10</i>	<i>44.50</i>	700		
<i>3, 43.20</i>	44.50	<i>704</i>		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Sanamaulu Whse, 846°30'N., 74¹⁰'

OK
~~STW.~~
~~1/2~~

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

4310, 201
 704, 142
~~3606, 63~~
~~704~~
~~767~~

SERIAL TEMPERATURES.

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

REMARKS:

98.8

1172

No. 4635 Hy. Date 4 Aug. 07

Machine. Reel. No. 1
Turns 48 Cor. + 5 Depth 53 fms

Shot or lead 36 lbs. Co. Ford
Bottom temperature 71.2

No. of thermometer 98236 Cor. -0.1

Corrected temperature 71.6°
Air 79 Surface 78 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9.39.50	9.41.30	48		
40.10	40.50	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Off West Coast of Kauai O O

OK
 1100
 [Signature]

	2500	Kapuai Pt.
	2600	Kauai Id.
	2700	N 53° 30' E.
	2800	2.4'
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
4310	205	
	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:

0077
Stolley

P.O. 0.8

No. 4636 Hy Date 4 August 02

Machine. 1 Reel. Wavy
Turns 236 Cor. + 20 Depth 260 fms

Shot or lead 36 #
Bottom S.S. Co. For. S.

Bottom temperature 48.0
No. of thermometer 98246 Cor. -0.2

Corrected temperature 47.8
Air 80 Surface 78 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.03.00	10.08.30	0		
03.55	07.30	100		
04.55	06.20	200		
05.20	10.06.-	236		
		236		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kapua Pt, Kauai, N 79° E, 3.6'

~~OK
JTB
2/~~

$\frac{296}{24} = 260$

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

4310 200°

SERIAL TEMPERATURES.

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

REMARKS:

No. 4637 Date 4th August 02
 Machine. 1 Reel. *Hay*
 Turns 359 Cor. + 30 Depth 394 fms
 Shot or lead 36 #
 Bottom lens. lo. For. S.
 Bottom temperature 42.2
 No. of thermometer 98236 Cor. -0.2
 Corrected temperature 42.0
 Air 80 Surface 78 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.30.30	10.37.40	0		
31.20	36.40	100		
32.00	35.40	200		
32.40	34.40	300		
33.10	33.40	359		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kapuai Pt, Kauai, S 86°30'E, 5.5'

OK
#00.
/

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

4310
359
3951

205
170
35
259
394

SERIAL TEMPERATURES.

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

REMARKS:

507
Stoney

P. L. 8

No. 4638 Hy Date 4 August 02

Sigsbee Machine. 1 Reel. Stoney
Turns 504 Cor. + 47 Depth 551 fms

Shot or lead 36 #
Bottom fine gy S. M.

Bottom temperature 39.6°

No. of thermometer 98236 Cor. - 0
Corrected temperature 39.6°
Air 84 Surface 78 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.59.45	11.09.10	0		
11.00.20	08.12	100		
01.10	07.20	200		
01.15	06.20	300		
02.40	05.30	400		
03.40		500		
03.50	04.20	504		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kapuai Pt, Kauai, S 75° E., 7.2'

OTC
H.A.
2

4310 208
 504 158
 3806 47
 504
 551

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. *4630* Date *Aug. 02*
Sigsbee Machine. *1* Reel. *Nov 17*
 Turns *841* Cor. *+60* Depth *914 fm*
 Shot or lead *73*
 Bottom *muys. br m*
 Bottom temperature *37.1*
 No. of thermometer *98236* Cor. *-0*
 Corrected temperature *37.1°*
 Air *84* Surface *78* Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>11.32.00</i>	<i>11.48.35</i>	0		
<i>32.40</i>	<i>47.30</i>	100		
<i>33.30</i>	<i>46.30</i>	200		
<i>34.20</i>	<i>45.35</i>	300		
<i>35.10</i>	<i>44.35</i>	400		
<i>36.00</i>	<i>43.35</i>	500		
<i>36.50</i>	<i>42.35</i>	600		
<i>37.45</i>	<i>41.40</i>	700		
<i>38.40</i>	<i>40.40</i>	800		
<i>11.39.10</i>	<i>11.40.10</i>	<i>841</i>		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kapuni Pt, Hawaii, S690E, 8.3'

~~Stn.~~
4

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

4310 205
841 137

3469 73
841
914

SERIAL TEMPERATURES.

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

REMARKS:

No. 4145

Date 4 Aug. 02

Machine. — Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 78

Surface 17.7

Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
Surface 17.7		0		
		100		
7.05 p. 7.20. p.		200	2 hauls,	15 m.
		300		
		400		
7.24 p. 7.39 p.		500	2 hauls,	15 m.
		600		
		700		
7.42. p. 7.57 p.		800	2 hauls,	15 m.
		900		
		1000		
8.00 p. 8.15 p.		1100	2 hauls,	15 m.
		1200		
8.18 p. 8.33 p.		1300	2 hauls,	15 m.
		1400		
8.36 p. 8.51 p.		1500	2 hauls	15 m.
		1600		
		1700		
		1800	= 12 hauls,	
		1900		15 m. each
		2000		1 hr. 30 m.
		2100		(two at the time)
		2200		
		2300		
		2400		

Lat - Kawai & Bird Is.
 23° 27' 30" N 160° 40' 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	cloudy with passing showers. Slightly breezy from ENE.			
50				
100				
200				
300				
400	light mist at intervals to 500 ft.			
500				
600				
700				
800				
900				
1000				

REMARKS:

507.
Annapolis

356

No. *Dr.* 4146. Date *5 Aug.* '02.
Tanner Machine. - Reel.

Turns *22* Cor. + *1* Depth *23 fms.*

Shot or lead *26 lbs.*

Bottom *crs. co. S. For.*

Bottom temperature *78.8*

No. of thermometer *98736* Cor. *-0.1*

Corrected temperature *78.7* (*M^o S*)

Air *79°* - Surface *77°* - Drift *1.6'*

Trawl or dredge *9 Hemp Tangles on Frame*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>8-45.50</i>		0	<i>8-49.30</i>	<i>9-16.20</i>
		<i>50</i>	<i>51.45</i>	
		<i>60</i>	<i>9-08.15</i>	<i>9-14.20</i>
		200		
		300		<i>2 1/2 m.</i>
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Vicinity of North Hamu, or
 Bids. Center of Bids - 5620 W
 5/10'

OK
 11/10
 1/3

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

496 / 12
 22 / 11
 474 / 1

SERIAL TEMPERATURES.

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

REMARKS:

Dr. 4147

No. *Dr. 4147*. Date *5 Aug. '02.*

Tanner Machine. Reel.

Turns *25* Cor. + *1* Depth *26 fms.*

Shot or lead *26 lbs.*

Bottom *Co. Corals.*

Bottom temperature *78 -*

No. of thermometer *98286*. Cor. *-0.1*

Corrected temperature *77.9°* (*N 8° W,*

Air *81°* - Surface *77°* - Drift *1.2'*

Trawl or dredge *8 Hemp Tangles on Frame.*

Am SOUNDING WIRE.

Am DREDGE ROPE.

Am SOUNDING WIRE.		TURNS.	Am DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>9.18. -</i>		0	<i>9.21.30</i>	<i>9.47. -</i>
		60	<i>9.23.45</i>	<i>9.44.40</i>
		100		
		200		
		300		<i>21 Min.</i>
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Also marks end of Dr. 4146.

8 fms

Center of Braid - S 21° W, 2.0'

BIC
HOB.
1/2

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

496 12
25

471

SERIAL TEMPERATURES.

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

REMARKS:

5071
Carpid

358

No. Δ. 4148. Date ✓ Aug. '02,

Tanner Machine. - Reel.

Turns 25 Cor. + ✓ Depth 26 fms.

Shot or lead 26 lbs.

Bottom co. S. Fr.

Bottom temperature 78.-

No. of thermometer 98236. Cor. -0.1

Corrected temperature 77.9

Air 81°- Surface 77°- Drift { North 1.1'

Trawl or dredge 9 Hemp Tangle on Frame

SOUNDING WIRE.

TURNS.

Am DREDGE ROPE.

SOUNDING WIRE.		TURNS.	<u>Am</u> DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<u>9.48.40</u>		0	<u>9.51.20</u>	<u>10.17.10</u>
		60	<u>9.54.-</u>	<u>10.15.-</u>
		100		
<u>Also marks and</u>		200		
<u>of</u>		300	<u>21 min.</u>	
<u>Δ. 4147.</u>		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Center of Buoy. S 10° W, 3.2'

OK
JTB
3

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

496. 12

SERIAL TEMPERATURES.

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

REMARKS:

007
A. K. Kil

No. Dr. 4149 Date Aug. '02
Tanner Machine. - Reel.

Turns 32 Cor. + 1 Depth 33 fms

Shot or lead 26 lbs.

Bottom Co. Corals.

Bottom temperature 77.8

No. of thermometer 98236 Cor. -0.1

Corrected temperature 77.7° (Truth)

Air 81° - Surface 78° - Drift 1.2'

Trawl or dredge 8 Hemp Tangles on Frame

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<u>10.19.30</u>		<u>0</u>	<u>10.23.10</u>	<u>11.00.00</u>
		<u>75</u>	<u>26.20</u>	<u>10.57.20</u>
		<u>100</u>	<u>51.35</u>	
<u>Also marks on</u>		<u>200</u>		
<u>of</u>		<u>300</u>	<u>31 min.</u>	
<u>Dr. 4148.</u>		<u>400</u>		
		<u>500</u>		
		<u>600</u>		
		<u>700</u>		
		<u>800</u>		
		<u>900</u>		
		<u>1000</u>		
		<u>1100</u>		
		<u>1200</u>		
		<u>1300</u>		
		<u>1400</u>		
		<u>1500</u>		
		<u>1600</u>		
		<u>1700</u>		
		<u>1800</u>		
		<u>1900</u>		
		<u>2000</u>		
		<u>2100</u>		
		<u>2200</u>		
		<u>2300</u>		
		<u>2400</u>		

Center of Area 80 - 57°30' N, 4.3'

OK
H. 202

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

496 12
 32 11

 464

SERIAL TEMPERATURES.

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

REMARKS:

No. *Dr. 4150*. Date *5 Aug. '02*.*Tanner* Machine. - Reel.Turns *68* Cor. + *3* Depth *71 fms.*Shot or lead *26 lbs.*Bottom *Co.*Bottom temperature *74.1*No. of thermometer *98236*. Cor. *-0.1*Corrected temperature *74.0°* (*N 2° W*)Air *82* Surface *78* Drift *1.1'*Trawl or dredge *7 Hamp Tangles on Frame*

AM. SOUNDING WIRE.

DOWN.

UP.

TURNS.

AM. DREDGE ROPE.

DOWN.

UP.

*11.02. -**0**11.06.45* *11.40.20**100**10.40* *37. -**200**11.13.10* *11.33.15**300**Also marks end**400**20 min.**. of
Dr. 4149.**500**600**700**800**900**1000**1100**1200**1300**1400**1500**1600**1700**1800**1900**2000**2100**2200**2300**2400*

Center of Buoy, 86° W, 5.5'

OK
 H.V.
 1/4

496
 68

 428

12
 1

 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:

007.
 A. M. S. J. L.
 Hutchinson

No. *Hy 4640* Date *Aug. '02.*

Sigsbee Machine. / Reel. *Navy.*

Turns *606* Cor. + *55* Depth *661 fms.*

Shot or lead *36 Lbs.*

Bottom *R.*

Bottom temperature *38.7°*

No. of thermometer *98286.* Cor. *-0*

Corrected temperature *38.7*

Air *84* Surface *79* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>11. 42.50</i>	<i>57.05</i>	0		
<i>44. -</i>	<i>56.00</i>	100		
<i>44.55</i>	<i>55 =</i>	200		
<i>46. -</i>	<i>54 =</i>	300		
<i>47. -</i>	<i>53.10</i>	400		
<i>48.15</i>	<i>52.10</i>	500		
<i>11. 49.30</i>	<i>11. 51. -</i>	600		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*Marks end of
 150 4150*

Cutter of Braid - S/4045' N., 6 6/16'

OK
 2/10
 3

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

4310
 606

 3704

205
 150

 655
 606

 661

SERIAL TEMPERATURES.

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

REMARKS:

Hutchinson

No. *Sy 4641*

Date *Aug 5th*

Sigsbee Machine. #1 Reel *Stam.*

Turns *616* Cor. + *55* Depth *671 fms*

Shot or lead *60 lbs.*

Bottom *fm G S. Fv*

Bottom temperature *38.50*

No. of thermometer *98236* Cor. *-0*

Corrected temperature *38.50*

Air *84* Surface *79* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>12-14.00</i>	<i>25.55</i>	0		
<i>14.40</i>	<i>24.50</i>	100		
<i>15.25</i>	<i>23.55</i>	200		
<i>16.10</i>	<i>22.55</i>	300		
<i>17.00</i>	<i>22.05</i>	400		
<i>17.50</i>	<i>21.15</i>	500		
<i>18.45</i>	<i>20.20</i>	600		
<i>19 =</i>	<i>20.10</i>	<i>616</i> 700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Center of Braid D, 54°30' N., 7.6'

*J.L.
J.W.
4*

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
4310	205	3500	
616	150	3600	
<hr/>			
3694	55	3700	
	616	3800	
	<hr/>		
	671	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. *Hy 4642* Date *Aug 5th*
 Machine. *Sigsbee* Reel. *Heavy*
 Turns *627* Cor. + *57* Depth *684 fms*
 Shot or lead *60 lbs.*
 Bottom *fine co S Fr.*
 Bottom temperature *38.5°*
 No. of thermometer *78236* Cor. *-0*
 Corrected temperature *38.5°*
 Air *85* Surface *81* Drift
 Trawl or dredge.

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>12.51.15</i>	<i>03.50</i>	0		
<i>51.55</i>	<i>02.45</i>	100		
<i>52.40</i>	<i>01.45</i>	200		
<i>53.20</i>	<i>1.00.40</i>	300		
<i>54.10</i>	<i>59.45</i>	400		
<i>55.00</i>	<i>58.45</i>	500		
<i>55.55</i>	<i>57.50</i>	600		
<i>56.17</i>	<i>57.25</i>	700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Center of Bria 82 84°W., 97/10'

OK
 110
 2

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
4310	205	3300	
627	148	3400	
3683	57	3500	
	627	3600	
	684	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 31

107.
Hutchinson

No. 4643 Date Aug 5th
Sigsbee Machine #1 Reel. Navy.

Turns 925 Cor. + 80 Depth 1005 fms

Shot or lead 60 lbs.

Bottom fine co S Fm

Bottom temperature 36.80

No. of thermometer 98236 Cor. -0

Corrected temperature 36.80

Air 85 Surface 81 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1-27.55	47.10	0		
28.40	46.05	100		
29.20	45.05	200		
30.10	44.05	300		
31.00	43.10	400		
31.50	42.05	500		
32.50	41.00	600		
33.55	40.00	700		
34.50	39.00	800		
35.50	38.00	900		
36.10	37.50	1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Center of Buad. $\Delta 3^{\circ} N, 11.7'$

GA
HVO.

4310	205
925	125
<hr/>	<hr/>
3385	80
	925
	<hr/>
	1005

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:

Autograph
Stowey

P. S. 41 -

No. *4644* *HY* Date *Aug 5th '02.*

Sigsbee Machine # *1* Reel. *Navy.*

Turns *1415* Cor. + *117* Depth *1532 fms*

Shot or lead *60 lbs.*

Bottom *fine co S. Fr*

Bottom temperature *35.5*

No. of thermometer *78236* Cor. *-0*

Corrected temperature *35.5*

Air *92* Surface *79* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>3-37.40</i>	<i>4.06.30</i>	0		
<i>38.30</i>	<i>05.30</i>	100		
<i>39.15</i>	<i>04.30</i>	200		
<i>40.00</i>	<i>03.35</i>	300		
<i>40.50</i>	<i>02.35</i>	400		
<i>41.40</i>	<i>01.35</i>	500		
<i>42.35</i>	<i>00.00</i>	600		
<i>43.30</i>	<i>59.10</i>	700		
<i>44.20</i>	<i>58.10</i>	800		
<i>45.20</i>	<i>57.10</i>	900		
<i>46.20</i>	<i>56.10</i>	1000		
<i>47.20</i>	<i>55.10</i>	1100		
<i>48.30</i>	<i>54.05</i>	1200		
<i>49.30</i>	<i>53.05</i>	1300		
<i>50.40</i>	<i>52.05</i>	1400		
<i>51 =</i>	<i>52.00</i>	1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Center of Abua I. 836°W, 16.0'

OK
XV.0.
2

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
4310	205	3400	
1415	88	3500	
2895	117	3600	
	1415	3700	
	1532	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
 No. 4151
 Sigbee

Pat 46 - 361

Date 5 August 07
 Reel Stacy

Turns 801 Cor. + 70 Depth 871

Shot or lead 60 #70
 Bottom fine co. S. F. St.

Bottom temperature 37.8
 No. of thermometer 98226 Cor. -0
 Corrected temperature 37.8 (876.0 W)

Air 85° - Surface 79° - Drift 2.2'
 Trawl or dredge 5 1/2' Blake, apron.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4.59.20	15.10	0	5.20. -	7.02.05
5.00.00	14.15	100	24. -	58. -
00.55	13.15	200	27.50	57.30
01.50	12.15	300	30.45	51.20
02.45	11.20	400	35. -	47.55
03.40	10.40	500	38.10	44.10
04.40	09.20	600	41.20	40.45
5.05.45	08.30	700	45.00	37.30
5.06.45	5.07.30	800	47.50	34. -
		801	53.30	30.40
		900	56.55	27.10
		1000	6.09.55	23.45
		1100	6.13.40	6.19.55
		1200		
		1300		
		1400	23 min.	
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Center of Braid - 832074. 12.8'

OK
J.H.B.
7

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

4310 205
801 135
3509 70
801
871

SERIAL TEMPERATURES.

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

REMARKS:

Trawl took bottom with 875 fms. out on cable.

Autumn

No. *Dr. 4152.* Date *5 Aug. '02.*

Sigsbee Machine. / Reel. *Heavy.*

Turns *285* Cor. + *28* Depth *313 fms.*

Shot or lead *36 Lbs.*

Bottom *nty.*

Bottom temperature *44.8*

No. of thermometer *98236.* Cor. *-0.2*

Corrected temperature *44.6°* (*N 98° W*)

Air *82°* - Surface *79°* - Drift *3.3'*

Trawl or dredge *8' Blake.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>7.04.40</i>	<i>7.10.40</i>	0	<i>7.17.30</i>	<i>28.00</i>
<i>05.20</i>	<i>09.35</i>	100	<i>23.15</i>	<i>24.00</i>
<i>06.05</i>	<i>08.35</i>	200	<i>26.05</i>	<i>19.50</i>
<i>7.06.45</i>	<i>7.07.30</i>	<i>285</i>	<i>30-30</i>	<i>15.30</i>
		300	<i>34-20</i>	<i>11 =</i>
		400		
<i>also marks end</i>		500	<i>38.30</i>	<i>07.15</i>
<i>of</i>		<i>545</i> *	<i>40.35</i>	<i>03.10</i>
<i>Dr. 4151.</i>		600	<i>52.55</i>	
		650	<i>55.15</i>	<i>8.00.50</i>
		700		
		800		<i>20 min</i>
<i>1 Surface Net =</i>		900		
<i>7.23 p. - 7.38 p.</i>		1000	<i>1 haul, 15 min.</i>	
		1100	<i>* Bottom</i>	
<i>7.55 p.</i>		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Center of Bird I. $\delta 23^{\circ}30'N, 11.6'$

OK
XVO
in

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

4310 205
 285
 28
 313

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Cloudy, warm; calm to light E.N.E.			
50	airs; smooth sea.			
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Trawl took bottom with 480 fms. out on cable.
There was a sudden, heavy jerk on the
cable when 545 fms. were out.
Lost 8' Bladder Trawl Frame
Net wrecked.

John
35
Miller

507
Autolimon

323

No. *444645* Date *Aug 5, 1902.*

Sigsbee Machine. #1 Reel. *Hand.*

Turns *748* Cor. + *66* Depth *814 fms*

Shot or lead *36 lbs.*

Bottom *R*

Bottom temperature *37.6°*

No. of thermometer *78236* Cor. *-0*

Corrected temperature *37.6°*

Air *80* Surface *79* Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>31.05</i>	<i>50.50</i>	0		
<i>31.50</i>	<i>49.45</i>	100		
<i>32.40</i>	<i>48.40</i>	200		
<i>33.35</i>	<i>47.25</i>	300		
<i>34.40</i>	<i>46.05</i>	400		
<i>35.40</i>	<i>44.35</i>	500		
<i>37.20</i>	<i>43.10</i>	600		
<i>38.55</i>	<i>41.50</i>	700		
<i>39.50</i>	<i>41.00</i>	<i>748</i> 800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*Marks out of
N 4152*

Center of Braid Id. S 70° 30' W., 10 ⁸/₁₀

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
4310	205	3500	
748	139	3600	
3562	66	3700	
	748	3800	
	<u>814</u>	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:

363 Pat 59 67

Autotrans

No. *5* 4153 Date *Aug 5th*

Sigsbee Machine #1 Reel. *Navy*

Turns 885 Cor. + 77 Depth 962 fms

Shot or lead 36 lbs.

Bottom *bu S*

Bottom temperature 37.0

No. of thermometer 98236 Cor. - 0

Corrected temperature 37.0°

Air 81 Surface 79 Drift { N 81° W
4.1'

Trawl or dredge 8' Blake

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7-18.55	40.00	0	9-48.50	40.50
19.40	39.50	100	53.40	37.10
20.25	38.45	200	58.35	33.45
21.25	37.40	300	10-03.20	30.00
22.35	36.25	400	07.15	26.15
23.45	35.15	500	11.20	23.10
25.00	34.00	600	15.10	19.50
26.20	32.40	700	19.45	16.25
27.40	31.30	800	24.15	12.55
28.40	30.20	900	28.55	09.20
		1000	32.15	05.40
		1100	35.05	11-01.55
<i>Surface Net</i>		1200	41.10	58.30
10.500.	10.57	1250	45.00	56.15
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

7 min

11 min

Center of Area D. 8120 W. 9.7'

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
4310	205	3500	
88.5	128	3600	
3425	77	3700	
	885	3800	
	962	3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Clear and pleasant, Sight breeze from E.N.E Smooth sea			
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Struck bottom at 1140 fms

1902

No. *Sy 4646* Date *Aug 5 1902*

Sigsbee Machine. #1 Reel. *Stany.*

Turns *975* Cor. + *84* Depth *1059 fms*

Shot or lead *36 lbs.*

Bottom *Co. S. for*

Bottom temperature *38*

No. of thermometer *98236* Cor. - *0*

Corrected temperature *38.0*

Air *81* Surface *78* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>11-45.00</i>	<i>10.50</i>	0		
<i>45.50</i>	<i>09.40</i>	100		
<i>46.45</i>	<i>08.35</i>	200		
<i>47.45</i>	<i>07.20</i>	300		
<i>48.45</i>	<i>06.05</i>	400		
<i>49.55</i>	<i>04.45</i>	500		
<i>51.15</i>	<i>03.30</i>	600		
<i>52.35</i>	<i>02. =</i>	700		
<i>53.55</i>	<i>12-00.25</i>	800		
<i>55.15</i>	<i>58.45</i>	900		
<i>56.30</i>	<i>57.40</i>	1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Marker end of 15-4153

Center of Bridge

81° E, 10.4'

OK
975
/n

4310	205
975	121
<hr/>	<hr/>
3335	84
	975
	<hr/>
	1059

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:

P.L. = 56.2

507.

5711
No. 4647

Date 6 Aug. '02.

Sigsbee Machine. 1 Reel. Navy

Turns 31 Cor. + 3 Depth 34 fms.

Shot or lead 36 Lbs.

Bottom Co. Brackish

Bottom temperature 76.5°

No. of thermometer 98236. Cor. -0.1

Corrected temperature 76.4°

Air 79° - Surface 77° - Drift

Trawl or dredge

Am. SOUNDING WIRE.		TURNS,	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7.10.50		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		

Center of Braid - S 8° W, 4.5'

OK
 31
 3
 34

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

4310

205

SERIAL TEMPERATURES.

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

REMARKS:

N. by W.; P.L. = 57.2.

no. 1-
A. 111

No. *H. 4648*, Date *6 Aug. '02.*

Sigsbee Machine. / Reel. *Wavy.*

Turns *50* Cor. + *5* Depth *55 fms.*

Shot or lead *36 Lbs.*

Bottom *crs ls S. Bot Sh Fr.*

Bottom temperature *72.1°*

No. of thermometer *98236.* Cor. *-0.1*

Corrected temperature *72.0°*

Air *79°* - Surface *77°* - Drift

Trawl or dredge

Am. SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

7.27.30

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

Center of Braid Id. - 58° N. 5.3'

OK
STV.
H

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:

707
Johnston

PL = 58.2

No. *4649* Date *6 Aug. '02.*

Sigsbee Machine. / Reel. *Navy.*

Turns *216* Cor. + *22* Depth *238 fms.*

Shot or lead *36 Lbs.*

Bottom *Co G.*

Bottom temperature *49°*

No. of thermometer *98236.* Cor. *-0.2*

Corrected temperature *48.8°*

Air *79°* - Surface *77°* - Drift

~~Trawl or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>J. 43.20</i>	<i>48.45</i>	0		
<i>44.30</i>	<i>47.40</i>	100		
<i>45.25</i>	<i>46.40</i>	200		
<i>J. 45.30</i>	<i>46.20</i>	216		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Center of Area $\approx 36^{\circ}30'N, 613'$

~~at
1100
in~~

216
22

238

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:

364 Pat Log 587

501
Hutchinson

No. *S* 4154 Date Aug 6th

Sigsbee Machine. Reel. Navy.

Turns 583 Cor. + 53 Depth 636 fms

Shot or lead 36 lb.

Bottom fm msh S.

Bottom temperature 38.8

No. of thermometer 98236 Cor. -0

Corrected temperature 38.8° (N 60° W)

Air 79 Surface 77 Drift 2.1'

Trawl or dredge 8' Blake

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7.57.25	09.05	0	8-15 ⁰⁰	9-53.50
58.10	08.55	100	19.10	50.30
59.10	08.00	200	22.40	47.10
59.55	07.00	300	28.15	43.50
8 00 45	06.00	400	31.30	40.20
01.40	05.00	500	34.30	36.55
02.30	04.00	600	38.50	33.15
		700	43.00	29.30
		800	46.05	25.50
		900	50.00	22.05
		950	* 51.55	
		1000	7. 06.50	
		1000	07.50	17.35
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

25 min

Center of Buoy $56^{\circ} 30' N, 6.9'$

Handwritten scribbles

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
4310	205	3600	
583	152	3700	
3727	53	3800	
	583	3900	
	636	4000	

SERIAL TEMPERATURES.

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

REMARKS:

Trawl struck bottom 875 fms
 1500 lb strain when commenced
 hauling in.

507.
Whitman

69

No. *4650* Date *Aug 6th*

Sigsbee Machine. #1 Reel. *Stary.*

Turns *1170* Cor. + *100* Depth *1270 fms*

Shot or lead *36 lbs.*

Bottom *fine. co. S, Glob*

Bottom temperature *35.8*

No. of thermometer *75236* Cor. *-0*

Corrected temperature *35.8°*

Air *81* Surface *78* Drift

~~Fraught or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>9:56.05</i>	<i>23.35</i>	0		
<i>56.45</i>	<i>22.30</i>	100		
<i>57.25</i>	<i>21.20</i>	200		
<i>58.10</i>	<i>20.20</i>	300		
<i>58.55</i>	<i>19.15</i>	400		
<i>59.40</i>	<i>18.10</i>	500		
<i>10:00.35</i>	<i>16.55</i>	600		
<i>01.30</i>	<i>15.40</i>	700		
<i>02.35</i>	<i>14.15</i>	800		
<i>03.40</i>	<i>12.50</i>	900		
<i>04.50</i>	<i>11.10</i>	1000		
<i>06.10</i>	<i>09.30</i>	1100		
<i>06.50</i>	<i>08.10</i>	1170 ⁰		
		1200		
		1300		
<i>Marks end of</i>		1400		
<i>5 H154</i>		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Center of Area Δ - 58° E, 8.0'

OK
~~STATION~~
 in

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
4310	205	3500	
1170	105	3600	
<u>3140</u>	<u>100</u>	3700	
	1170	3800	
	<u>1270</u>	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:

Starry

P. L. 72-

No. 4651 Hy. Date Aug 6, 1902

Sigsbee Machine. / Reel. Starry

Turns 1345 Cor. + 113 Depth 1458 JH

Shot or lead 60 #

Bottom M. Co. S. Glob.

Bottom temperature 35.2°

No. of thermometer 78236 Cor. -0

Corrected temperature 35.2°

Air 82 Surface 78 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS:	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
12.31.30	17.59.45	0		
32.15	58.40	100		
33.05	57.40	200		
34.00	56.40	300		
35.00	55.40	400		
36.00	54.40	500		
37.00	53.50	600		
38.00	52.40	700		
39.00	51.50	800		
40.00	50.40	900		
41.10	49.40	1000		
42.15	48.30	1100		
43.15	47.30	1200		
44.30	46.40	1300		
45.00	46.00	1345		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Center of Bird D. S 31° N, 15.0'

OK
 11/27
 1/7

4310	205
1345	92
<hr/>	<hr/>
2965	113
	1345
	<hr/>
	1458

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
 No. *21155* Date *Aug 27 07*
Machine 1 Reel

Turns *1072* Cor. + *92* Depth *1164 fms*
 Shot or lead *60*
 Bottom *sl. ob. gy. s. lo.*
 Bottom temperature *36.0*
 No. of thermometer *98236* Cor. *-0*
 Corrected temperature *36.0* (*N 71° W*)
 Air *82* Surface *78* Drift *4.2*
 Trawl or dredge *Sigsbee, Blake, aprm*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1:22.40</i>	<i>45.10</i>	0	<i>1.49.30</i>	<i>5.00.00</i>
<i>23.25</i>	<i>44.05</i>	100	<i>53.20</i>	<i>56.35</i>
<i>24.20</i>	<i>43.05</i>	200	<i>57.10</i>	<i>53.35</i>
<i>25.15</i>	<i>42.10</i>	300	<i>2 00.30</i>	<i>50.30</i>
<i>26.15</i>	<i>41.05</i>	400	<i>04.00</i>	<i>47.25</i>
<i>27.15</i>	<i>40.10</i>	500	<i>07.00</i>	<i>44.15</i>
<i>28.20</i>	<i>39.10</i>	600	<i>10.30</i>	<i>41.-</i>
<i>29.15</i>	<i>38.00</i>	700	<i>14.30</i>	<i>38.-</i>
<i>30.20</i>	<i>36.55</i>	800	<i>18.10</i>	<i>34.55</i>
<i>31.30</i>	<i>35.50</i>	900	<i>21.00</i>	<i>32.05</i>
<i>32.35</i>	<i>34.50</i>	1000	<i>24.10</i>	<i>29.20</i>
<i>1:33.20</i>	<i>34.10</i>	<i>1072</i>	<i>24.30</i>	<i>26.15</i>
		1200	<i>33.30</i>	<i>23.-</i>
		1300	<i>36.40</i>	<i>19.55</i>
		1400	<i>40.30</i>	<i>16.35</i>
		1500	<i>43.30</i>	<i>13.10</i>
		1600	<i>47.00</i>	<i>09.45</i>
		1700	<i>50.15</i>	<i>06.20</i>
		1800	<i>53.40</i>	<i>4.03.-</i>
		1900	<i>56.30</i>	<i>59.10</i>
		2000	<i>59.00</i>	<i>54.55</i>
		2100	<i>3.01.20</i>	<i>51.10</i>
		2200	<i>* 04.30</i>	<i>47.15</i>
		2300	<i>16.20</i>	<i>43.00</i>
		2400	<i>19.20</i>	<i>3.39.50</i>

Center of line 20

S 31° 30' N, 13.0'

23.00 | 3.34.40

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

OK 30 min
JVA

4310 20 ✓
1072 113 ✓
3238 92 ✓
107 ✓
1164 ✓

SERIAL TEMPERATURES.

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

REMARKS:

Apr 11/11
 No. *Sigbee* 4652 Date *Aug. 6, '02.*

Sigbee Machine. / Reel. *Wray*
 Turns *1473* Cor. + *121* Depth *1594 fms.*

Shot or lead *60 lbs.*

Bottom *fine. cr. S. Glob.*

Bottom temperature *35.1°*

No. of thermometer *78286* Cor. *-0*

Corrected temperature *35.1°*

Air *80°* - Surface *78°* - Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>5.04.20</i>	<i>35.20</i>	0		
<i>05.10</i>	<i>34.15</i>	100		
<i>05.55</i>	<i>33.15</i>	200		
<i>06.45</i>	<i>32.20</i>	300		
<i>07.30</i>	<i>31.20</i>	400		
<i>08.25</i>	<i>30.20</i>	500		
<i>09.20</i>	<i>29.20</i>	600		
<i>10.15</i>	<i>28.20</i>	700		
<i>11.10</i>	<i>27.15</i>	800		
<i>12.10</i>	<i>26.10</i>	900		
<i>13.05</i>	<i>25.00</i>	1000		
<i>14.05</i>	<i>23.50</i>	1100		
<i>15.05</i>	<i>22.30</i>	1200		
<i>16.05</i>	<i>21.40</i>	1300		
<i>17.10</i>	<i>20.-</i>	1400		
<i>5-17.55</i>	<i>5.19.-</i>	<i>1473</i>		
		1500		
		1600		
<i>Marks end of</i>		1700		
<i>N° 4155</i>		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Center of bridge 2

S 13° W, 13.0'

OK
HWS
2/4

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

4310	205
1473	84
<hr/>	<hr/>
2837	121
	1473

1594

SERIAL TEMPERATURES.

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

REMARKS:

No. 4653 Hy. Date August 6th - 01
 Sigsbee Machine. Reel. No. 1
 Turns 191 Cor. + 19 Depth 210 fms
 Shot or lead 60
 Bottom V
 Bottom temperature 52.5
 No. of thermometer 98726 Cor. -0.3
 Corrected temperature 52.2
 Air 79 Surface 78 Drift
 Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8:57.40	9:02.40	0		
29.20	01.40	100		
9:00.10	9:00.00	191		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Center of Bird Id. S 79° E, 7.2'

OK
 10/27/19
 1/2

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

191
 19

 210

4310 200

SERIAL TEMPERATURES.

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

REMARKS:

507
 No. 4156 152 Date August 02
 Machine 1 Reel. No. 100

Turns 260 Cor. + 26 Depth 286 fms
 Shot or lead 36
 Bottom Wh. m. fm R

Bottom temperature 46.0
 No. of thermometer 98236 Cor. -0.2
 Corrected temperature 45.8 (N 59° W)
 Air 79.1 - Surface 78.1 - Drift 0.7'
 Trawl or dredge 53 ft Blake with apron

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9.30.50	9.36.50	0	9.41.30	10.46.00
32.10	35.50	100	46.00	45.00
33.00	34.50	200	49.50	42.00
9.33.30	9.34.-	260	52.30	39.10
		400	59.00	36.00
		500	10.04.00	33.40
		600	08.10	29.30
		700	17.10	26.30
		800	13.00	22.00
		900		
		1000	16 min	
		1100		
		1200		
		1300	* took ground	
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



Course N x W (p.c.)

Center of Bird δ^{δ} 8790 E, 9.2'

OK
500
2/3

260
26
286

4310 205

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:
 Veered to SW with 4000 ft
 straine. net caught, missed
 long bird killing in
 lost trail frame T 35#
 sinker. Apion slightly torn, &
 upper part of net wrecked.

No. 4654 Date 6 Aug 02

Machine. 1 Reel. Tracy

Turns 520 Cor. + 418 Depth 568 fms

Shot or lead 36 lb

Bottom Co. S.

Bottom temperature 39.0

No. of thermometer 98236 Cor. -

Corrected temperature 39.0°

Air 79 Surface 77 Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
10.57.30	11.07.45	0		
57.10	01.45	100		
57.55	11.06.45	200		
58.40	59.40	300		
59.40	58.20	400		
59.45	57.00	500		
10.56.00	10.56.50	520		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Marked end of 4156

Center of Bird Id - 577° 30' E, 10.10'

OK
JCB,
1/2

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

4810 205
520 159
3790 48
520
568

SERIAL TEMPERATURES.

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

REMARKS:

557.

No. 41157 52

Date 6 Aug. 02

Pd 98.9 (367)

Machine. 1 Reel.

Turns 700 Cor. + 62 Depth 762 fms

Shot or lead 60 #

Bottom W. m. S. R

Bottom temperature

No. of thermometer 98736 Cor. -0

Corrected temperature 38.0° (N 63° W)

Air 79 Surface 77 Drift 2.4'

Trawl or dredge 8 ft Rope.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11.20.20	11.34.00	0	11.40.00	157.25
21.10	33.00	100	44.00	53.40
21.55	32.00	200	47.40	50.20
22.45	31.05	300	51.50	46.20
23.30	30.00	400	55.-	43.-
24.25	29.10	500	59.10	39.30
25.15	28.00	600	12.03.40	36.-
11.26.40	11.27.15	700	07.20	31.45
		800	11.10	27.-
		900	14.10	22.-
		725*	17.10	16.30
		1000	21.25	1.07.25
		1100	12.26.30	44.30
		1245		12.39.30
		1300		
		1400		
		1500		22 min.
		1600		
		1700		
		1800		* Took bottom.
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Center of Bird Is. S 77° 30' E., 11.1'

OK
5000
12

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

→ to Aug. 02.

4310 205
700 142
3610 62
700

765
SERIAL TEMPERATURES.

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

REMARKS:

Strain veered out to 1245 fms. while trawling. Commenced to heave in, reached 1170 fms. when had to veer out to 1240 fms. At 12.52 a. commenced heaving in again slowly. — Not slightly torn.

Dr. Course, N. N. until 12.52 a.; then N. by N. (P.S.C. both instances)

500
A. M. 11

No. Hy. 4655. Date 7 Aug. '02.

Sigsbee Machine. 1 Reel. Navy.

Turns 1183 Cor. + 101 Depth 1284 fms.

Shot or lead 60 Lbs. 1/2

Bottom Wk. M. G. M.

Bottom temperature 35.6°

No. of thermometer 98236. Cor. - 0

Corrected temperature 35.6

Air 79° - Surface 77° - Drift

Trawl or dredge

A. M. SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2.02.40	2.30.20	0		
03.30	29.20	100		
04.30	28.20	200		
05.30	27.20	300		
06.30	26.20	400		
07.30	25.15	500		
08.50	24.15	600		
09.55	23.10	700		
11.05	22.-	800		
12.20	20.50	900		
13.45	19.40	1000		
15.-	18.25	1100		
2.15.45	2.17.15	1183		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Also marks end of
Δ. 4157.

Center of Bird Id. - S 75° E, 13.4'

OK
 AWB
 2/4

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

4310
 1183

 3127

205
 104

 701
 1183

 1284

SERIAL TEMPERATURES.

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

REMARKS:

007.

N. N. W. P. L. S. 0.9

No. *Hy. 4656* Date *7 Aug. '02.**Sigsbee* Machine. / Reel. *Mary.*Turns *1303* Cor. + *110* Depth *1413* fms.Shot or lead *60* Lbs.Bottom *Co. S.*Bottom temperature *35.2*No. of thermometer *98236.* Cor. *-0*Corrected temperature *35.2*Air *79°* - Surface *77°* - Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>2.56.50</i>	<i>3.26.15</i>	0		
<i>57.40</i>	<i>25.15</i>	100		
<i>58.30</i>	<i>24.10</i>	200		
<i>59.25</i>	<i>23.10</i>	300		
<i>3.00.25</i>	<i>22.-</i>	400		
<i>01.35</i>	<i>21.-</i>	500		
<i>02.35</i>	<i>20.-</i>	600		
<i>03.40</i>	<i>19.-</i>	700		
<i>04.45</i>	<i>18.-</i>	800		
<i>05.55</i>	<i>16.55</i>	900		
<i>07.-</i>	<i>15.55</i>	1000		
<i>08.20</i>	<i>14.45</i>	1100		
<i>09.35</i>	<i>13.35</i>	1200		
<i>3.10.45</i>	<i>3.12.15</i>	1300		
		1303		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Center of Bird Id - 574° 30' E, 15.8'

OK
5/12/12
/h

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

2310
1303

3007

205
95

110
1303

1413

SERIAL TEMPERATURES.

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

REMARKS:

507

368

Oct. 109, 183

Autelmann

No. *4158* Date *Aug 7, 1902*

Sigsbee Machine. 1 Reel. *Navy*

Turns *18* Cor. + *2* Depth *20 fms*

Shot or lead *36 lbs.*

Bottom *Co. Gorku*

Bottom temperature *78.70*

No. of thermometer *98236* Cor. *-0.1*

Corrected temperature *78.6°* { *N 64° W*

Air *79* Surface *78* Drift *2.2'*

Trawl or dredge *9 Swabs on frame*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>6:56.45</i>		0	<i>7:04.40</i>	<i>29.10</i>
		<i>40</i>	<i>* 06.25</i>	
		<i>45</i>	<i>27</i>	<i>27.15</i>
		200		
		300	<i>21 min</i>	
		400		
		500	<i>* Bottom</i>	
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Center of line Id North, 1.0'

OK
JL
1/2

4310

205

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:

Stairway

No. *4159* Date *Aug 7 1902.*

Tanner Machine. — Reel.

Turns *29* Cor. + *1* Depth *30 fms*

Shot or lead *26*

Bottom *Co. No. S. M. Sh. \$ av.*

Bottom temperature *78.4*

No. of thermometer *75236* Cor. *-0.1*

Corrected temperature *78.3°* (*JK66° H*)

Air *79* Surface *78* Drift *2.0'*

Trawl or dredge *8 Swabs on frame*

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>7-32.10</i>		0	<i>7-35.00</i>	<i>07.30</i>
		<i>405</i>	<i>37.10</i>	<i>01.00</i>
		200		
		300	<i>24 min -</i>	
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Sample wd of 4159

Center of Area \approx N 81° E, 2.0

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
456	12	3500	
29	17	3600	
<hr/>	<hr/>	3700	
467	29	3800	
	<hr/>	3900	
	38	4000	

SERIAL TEMPERATURES.

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

REMARKS:

370

507.

No. 4160 *NY* Date 7 Aug. 02.

Machine. Reel.

Turns 30 Cor. + 1 Depth 31 fms

Shot or lead 26 lb

Bottom lo. gy. s. m.

Bottom temperature 78.

No. of thermometer 98236 Cor. -0.1

Corrected temperature 78.0° { N 51° W

Air 82 Surface 78 Drift 1.4'

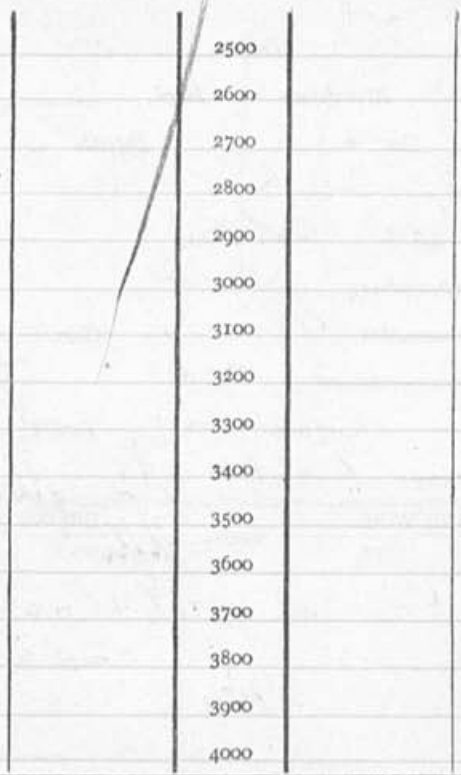
Trawl or dredge 9 fathom Swab

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8.06.40	07.30	30	8:10.00	8:40.00
		100	12.00	
		200	17.00	8:37.00
		300		
		400	25 min	
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Basket end of 20 21159.

Center of Buoy Id 5830 E, 3.8'

OK
JTB,
5/3



SERIAL TEMPERATURES.

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

REMARKS:

Stoney
No. 4161 *51*

Date 7 Aug. 02

Machine. — Reel.

Turns 37 Cor. + 2 Depth 39 fms

Shot or lead 26 lb

Bottom oo. loam

Bottom temperature 78°

No. of thermometer 98236 Cor. -0.1

Corrected temperature 77.9° (N 75° W)

Air 82 Surface 78 Drift 1.3'

Trawl or dredge 8 fathoms woods

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8.42.00	8.43.30	37	8.48.00	9.18.30
		100	52.00	15.00
		150	9.08.00	9.13.00
		300		
		400	5 min.	
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Center of Bird's - 875° E, 5.0'

OK
JCB.
5/2

496 - 12
37

459