

2677-2749

1060-1091



Abbreviations of  
— bottoms —

C.	Clay	brk	broken
Co.	Coral	crs	coarse
G.	Gravel	fine	fine
M.	Mud	hrd	hard
Oz.	Ooze	lge	large
P.	Pebbles	rky	rocky
R.	Rock	sft	soft
S.	Sand	sm	small
Sh.	Shells	stk	sticky
Sp.	Specks	stf	stiff
St	Stones		
For.	Foraminifera		
Glob.	Globigerina		
bk	black	gy	gray
br	brown	lt	light
bu	blue	rd	red
dk	dark	wh	white
gn	green	yl	yellow



No. 2697 — Date August 19 1886

Sigsbee Machine. 2 Reel.

Turns 19 Cor. + 1.5 Depth 206

Shot or lead 35 lbs.

Bottom gy. M. bk. sp.

Bottom temperature 38

No. of Thermometer 54820 Cor. - .2

Corrected temperature 37.8

Air 53 Surface 48 Drift. 2 m. S. 1/2 E.

Trawl or dredge or bangles Large Beam

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

11.49.00

11.59.10

0.

12.09.30

15.00

50.10

11.58.15

100

13.10

1.03.45

54.00

11.55.00

200

16.25

54.00

300

19.40

39.00

400

21.00

35.00

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 TEMPERATURE,

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

REMARKS.

Small container 1 cup - 1/2 pound of  
 talibut - 1/2 small thermometers - 2 or  
 3 more - 1/2 fish - 2 or 3 pounds  
 sponge. Also 1 large cork weight  
 - 1/2 perhaps 500 lbs.

No. *Hyd. 1060* Date *August 12<sup>th</sup> 1886*  
*Machine. 2 Reel.*

Turns *158* Cor. + *12* Depth *170*

~~Shot or lead~~ *35 lbs.*

Bottom *gy S + Peb*

Bottom temperature *37.2*

No. of Thermometer *54820* Cor. *-2*

Corrected temperature *37.1*

Air *55* Surface *50* Drift.

Trawl or dredge or tangles *Over 1/2 fath S + gy*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>4.37.15</i>	<i>42.1</i>	0		
<i>38.20</i>	<i>41.00</i>	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 TEMPERATURE,

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

REMARKS,



No. *1061* Date *August 12<sup>th</sup> 1886**Signature* Machine. *2* Reel.Turns *156* Cor. + *12* Depth *168*~~Shot or lead~~ *35 lbs.*Bottom *gy. S. bk. Sp.*Bottom temperature *36.5*No. of Thermometer *54820* Cor. *-3*Corrected temperature *36.5*Air *55* Surface *57* Drift.Trawl or dredge or tangles *Cur. 1/2 knot. S. by*

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

*5.21.45* *26.30* 0*23.18* *25.30* 100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2400  
2500  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

SERIAL TEMPERATURE.

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

REMARKS.

No. *Hyd 1062* Date *August 12<sup>th</sup> 1886**Tanner* Machine. / Reel.Turns *143* Cor. *4* Depth *147*Shot or lead *25*Bottom *gy S. br sp. sh.*Bottom temperature *35.5*No. of Thermometer *54820* Cor. *- .3*Corrected temperature *35.2*Air *54* Surface *57* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>7-17.20</i>	<i>20.40</i>	0		
<i>17.50</i>	<i>19.13</i>	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 TEMPERATURE,

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

REMARKS.

No. *1645.1063* Date *August 13<sup>th</sup> 1886*  
*Tanner* Machine. Reel.

Turns *103* Cor. + *3* Depth *106*

Shot or lead *25 lbs.*

Bottom *gy. S. sh. sp.*

Bottom temperature *32.8*

No. of Thermometer *54820* Cor. - *4*

Corrected temperature *32.4*

Air *54* Surface *52* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

*9.37**12.14.00**14.55*

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 TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
30				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 7045. 1024 Date August 13<sup>th</sup> 1880  
Tanner Machine. Reel.

Turns 97 Cor. + 3 Depth 100

Shot or lead 25 lbs.

Bottom gy. M.

Bottom temperature 30.8

No. of Thermometer 54820 Cor. - 4

Corrected temperature 30.4

Air 55 Surface 53 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3.35		0		
3.48.00		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 TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
10				
20				
30				
40				
50				
60				
70				
80				
90				
100				

REMARKS.



No. *1065* Date *August 13<sup>th</sup> 1886*  
*Tanner* Machine. Reel.

Turns *60* Cor. *+ 2* Depth *62*

Shot or lead *35 lbs.*

Bottom *gy. s. th. sp. (C)*

Bottom temperature *30.5*

No. of Thermometer *54820* Cor. *- 4*

Corrected temperature *30.1*

Air *56* Surface *54* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

*9.30.**7.58.00*

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 TEMPERATURE.

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

REMARKS.

No. *Hyd 1066* Date *August 13<sup>th</sup> 1886*  
*Tanner* Machine. — Reel.

Turns *72* Cor. + *2* Depth *74*

~~Silt or~~ lead *25 lbs.*

Bottom *fine gy. S. bk. Sp*

Bottom temperature *Not taken*

No. of Thermometer Cor.

Corrected temperature

Air *57* Surface *54* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

*11.31.00*

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 TEMPERATURE,

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

REMARKS,

No. *Hyd 1067* Date *August 13<sup>th</sup> 1882**Tanner* Machine. — Reel.Turns *95* Cor. + *3* Depth *98*Shot or lead *25 lbs.*Bottom *gn. M.*Bottom temperature *None taken*

No. of Thermometer Cor.

Corrected temperature

Air Surface Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>2.57.00</i>	<i>3.00.00</i>	0		
<i>58</i>	<i>58.30</i>	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2900  
 3000  
 3100  
 3200  
 3300  
 3400  
 3500  
 3600  
 3700  
 3800  
 3900  
 4000

SERIAL TEMPERATURE.

DEPTH	TEMP.	NO. OF THER.	COR.	COR. TEMP.
45				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

*W. H. M.*

No. 2698

Date Aug 22nd

Sigsbee - Machine. 2 Reel.

Turns 82 Cor. + 8 Depth 90

Shot or lead 35 lb

Bottom gy S. blk spcks & pebbles

Bottom temperature 36

No. of Thermometer 54820 Cor. - 3

Corrected temperature 35.9

Air 56 Surface 55 Drift. 1/2 mi. S. W

Trawl or dredge or tangles Large Beam

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

8:00 - 00

0

16:00

12:30

100

17:00

12:35

200

28:00

13:00

300

28:30

13:00

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 TEMPERATURE.

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

REMARKS.

At depth 2500 - 3000 fathoms  
 several small animals  
 were seen. The bottom  
 was soft mud.



*Refers*

No. *2699* Date *Aug 22*

*Sigsbee* Machine. *2* Reel.

Turns *66* Cor. + *6* Depth *72*

Shot or lead *35 lb*

Bottom *hard*

Bottom temperature *32*

No. of Thermometer *52826* Cor. *-4*

Corrected temperature *31.6*

Air *58* Surface *55* Drift.  $\frac{1}{2}$  mi - E  $\frac{1}{2}$  mi S

Trawl or dredge or tangles *Large Beann*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>10:04.00</i>		0	<i>10:03.30</i>	<i>22.15</i>
<i>45</i>		100	<i>57.10</i>	<i>19.00</i>
		200	<i>11:02 - 10:57.10</i>	<i>15.20</i>
		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

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

SERIAL TEMPERATURE.

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

REMARKS.

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

SWP. *Y. M.*

No. 2700

Date Aug 22

Sigsbee Machine. 2 Reel.

Turns 55 Cor. + 4 Depth 59

Shot or lead 35 lb

Bottom gy Sand bk Sp

Bottom temperature 31.2

No. of Thermometer 52820 Cor. - .4

Corrected temperature 30.8

Air 59 Surface 56 Drift. *1/2 W 2 1/2 S*

Trawl or dredge or tangles Large Beam

*500 ft. 1/2 S*

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

1-23.00

0

1-29.00

53.00

100

33.00

50.00

~~150~~  
~~200~~

54.20

1-48.30

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2400  
 2500  
 2600  
 2700  
 2800  
 2900  
 3000  
 3100  
 3200  
 3300  
 3400  
 3500  
 3600  
 3700  
 3800  
 3900  
 4000

SERIAL TEMPERATURE,

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

REMARKS.

*Blank - Good*

62m

No. 2701 Date Aug 2  
Lynn's Machine. 2 Reel.

Turns 69 Cor. + 7 Depth 75

Shot or lead 35 lb

Bottom gy s bk sp

Bottom temperature m. l. C. 62

No. of Thermometer \_\_\_\_\_ Cor.

Corrected temperature

Air 59 Surface 56 Drift. 1/2 E 1/4 S

Trawl or dredge or tangles L 18

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1-57-30		0	2.02.20	35.00
		100	15.40	32.30
		200	08.30	30.00
		300	11.30	2.28.00
		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 TEMPERATURE,

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

REMARKS.

W. of Java - Several sea anemones  
 - first *Physalis* *Physalis*  
 - *Physalis* *Physalis*

No. 2702 Date August 22 1886

Sigsbee Machine. 2 Reel.

Turns 200 Cor. + 15 Depth 215

Shot or lead 35 lbs.

Bottom gn. M

Bottom temperature 40.5

No. of Thermometer 54820 Cor. - 2

Corrected temperature 40.3

Air 61 Surface 58 Drift. 3/4 West.

Trawl or dredge or tangles Large Beam

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
5.16.30	23.15	0	5.25.00	x x x x
18.00	21.50	100	29.00	19.00
19.10	5.20.30	200	32.15	15.00
		300	35.20	11.45
		400	38.30	08.30
		4350	40.15	05.15
		3800	46.00	6.01.45
		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 TEMPERATURE,

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

REMARKS.

It contains 40 specimens Banded  
 1 brown - 6 white/blue spotted  
 and 2 white/blue spotted 1 blue spotted  
 In some number of tubules in some  
 species - Shrimp in some  
 20 for O. mass - 1000



No. *Hyd 1068* Date *Aug 22 1886**Sigsbee* Machine. *2* Reel.Turns *210* Cor. + *16* Depth *226*~~Shot or lead~~ *35 lbs.*Bottom *gy M.*Bottom temperature *40.6*No. of Thermometer *54820* Cor. - *2*Corrected temperature *40.4*Air *60* Surface *58* Drift.Trawl or dredge or tangles *No current*

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

<i>8.55.30</i>	<i>03.00</i>		
<i>56.50</i>	<i>9.01.05</i>		
<i>58 15</i>	<i>59.00</i>		

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 TEMPERATURE,

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

REMARKS.

No. *Hyd 1069* Date *Aug. 22<sup>nd</sup> 1886**Sigsbee* Machine. *2* Reel.Turns *35* Cor. + *3* Depth *38*Shot or lead *35 lbs.*Bottom *gy. S. + Peb.*Bottom temperature *34*No. of Thermometer *54820* Cor. - *.3*Corrected temperature *33.7*Air *60* Surface *58* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

*11 43.10*

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 TEMPERATURE,

DEPTH.	TEMP.	NO. OF THERM.	THER.	COR. TEMP.
10				
20				
30				
40				
50				
60				
70				
80				
90				
100				
110				
120				
130				
140				
150				
160				
170				
180				
190				
200				
210				
220				
230				
240				
250				
260				
270				
280				
290				
300				
310				
320				
330				
340				
350				
360				
370				
380				
390				
400				
410				
420				
430				
440				
450				
460				
470				
480				
490				
500				
510				
520				
530				
540				
550				
560				
570				
580				
590				
600				
610				
620				
630				
640				
650				
660				
670				
680				
690				
700				
710				
720				
730				
740				
750				
760				
770				
780				
790				
800				
810				
820				
830				
840				
850				
860				
870				
880				
890				
900				
910				
920				
930				
940				
950				
960				
970				
980				
990				
1000				

REMARKS.

69.  
*W.M.*

No. *1070* Date *Aug 23*

*Sigsbee* Machine. *2* Reel.

Turns *30* Cor. + *2* Depth *32*

Shot or lead *35 lb*

Bottom *wh S. bk spha*

Bottom temperature

No. of Thermometer Cor.

Corrected temperature

Air *63* Surface *59* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>7. 33-</i>		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 TEMPERATURE

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
30				
40				
50				
60				
70				
80				
90				
100				

## REMARKS.

At the station 25 feet  
 down a small amount of sand  
 was found in the water.

No. 2703 Date August 23 1886

Machine. 2 Reel.

Turns 130 Cor. + 10 Depth 140

Shot or lead 35 lbs.

Bottom gy. S. bk. sp.

Bottom temperature 40.6

No. of Thermometer 54120 Cor. - .2

Corrected temperature 40.4

Air 65 Surface 62 Drift. 2m. N 5/8 W

Trawl or dredge or tangles Large Beam

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
11.19.30	26.30	0	11.20.45	10.20
21.15	24.45	100	25.45	13.15
22.20	24.00	200	39.30	08.20
		300	42.50	06.45
		400	46.30	12.01. —
		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 TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	WIND TEMP.
45				
50				
100				
150				
200				
250				
300				
350				
400				
450				
500				
550				
600				
650				
700				
750				
800				
850				
900				
950				
1000				

REMARKS.



No. *Hyd. 1071* Date *August 23 1896**Sigsbee* Machine. *2* Reel.Turns *59* Cor. + *1* Depth *63*Shot or lead *35 lbs.*Bottom *gy. S. bk. sp.*Bottom temperature *35.8*No. of Thermometer *54820* Cor. - *0*Corrected temperature *35.6*Air *67* Surface *62* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

*3.44.00*

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 TEMPERATURE

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

REMARKS

No. 2704 Date Aug 23<sup>d</sup> 1886

Sigsbee Machine, 2 Reel.

Turns 102 Cor. + B Depth 110

Shot or lead 35 lbs

Bottom gy. s. bk. sp.

Bottom temperature 23.2

No. of Thermometer 54820 Cor. - 2

Corrected temperature 43.1

Air 68 Surface 61 Drift. WNW  $\frac{1}{2}$  W.  $\frac{1}{2}$  N. side

Trawl or dredge or tangles Large trawl.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4.43.30	48.00	0	4.52.00	32.00
45.20	46.00	100	56.45	28.45
		200	5.00.30	25.20
		300	09.50	5.22.00
		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 TEMPERATURE,

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

## REMARKS.

2 Fishing Trawls, 7 Caster Nets.  
 Sea Anemones, Porrid Shrimps  
 Fish Bones, - Considerable num-  
 ber of Mollusca

No. *2705* Date *August 24<sup>th</sup> 1886*  
*Sigsbee* Machine. *2* Reel  
 Turns *1173* Cor. + *82* Depth *1255*  
 Shot ~~or lead~~ *35 lbs*  
 Bottom *lt. br. O.*  
 Bottom temperature *38*  
 No. of Thermometer *54820* Cor. *- 3*  
 Corrected temperature *37.7*  
 Air *67* Surface *66* Drift. *2 1/2 miles*  
~~Trawl or dredge or tangles~~ *Large Beam*

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
<i>8 33.00</i>	<i>03.00</i>		<i>9 11.45</i>	<i>07.00</i>
<i>34.00</i>	<i>02.00</i>	100	<i>16.00</i>	<i>04.25</i>
<i>35.15</i>	<i>01.25</i>	200	<i>19.30</i>	<i>1.01.45</i>
<i>36.30</i>	<i>9.00.30</i>	300	<i>22.30</i>	<i>59.00</i>
<i>37.45</i>	<i>59.45</i>	400	<i>25.20</i>	<i>56.10</i>
<i>38.00</i>	<i>58.55</i>	500	<i>28.40</i>	<i>53.15</i>
<i>40.30</i>	<i>58.00</i>	600	<i>32.30</i>	<i>50.20</i>
<i>42.00</i>	<i>57.05</i>	700	<i>36.30</i>	<i>47.00</i>
<i>43.30</i>	<i>56.05</i>	800	<i>40.30</i>	<i>44.10</i>
<i>45.15</i>	<i>55.00</i>	900	<i>44.30</i>	<i>41.15</i>
<i>46.50</i>	<i>53.50</i>	1000	<i>47.30</i>	<i>37.05</i>
<i>48.35</i>	<i>52.00</i>	1100	<i>50.10</i>	<i>33.30</i>
		1200	<i>52.40</i>	<i>22.2.00</i>
		1300	<i>55.35</i>	<i>12.00.10</i>
		1400	<i>58.40</i>	<i>50.15</i>
		1500	<i>10.01.30</i>	<i>44.30</i>
		1600	<i>04.10</i>	<i>38.15</i>
		1700	<i>07.40</i>	<i>33.00</i>
		1800	<i>11.00</i>	<i>26.25</i>
		1900	<i>14.00</i>	<i>18.45</i>
		2000	<i>17.20</i>	<i>11.12.</i>
		2100		
		2200		
		2300		
		2400		

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

Water sample taken  
from bottom of  
the sea 11 fathoms

SERIAL TEMPERATURE.

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

REMARKS.

*RPM*

No. 1072 Date Aug. 25<sup>th</sup> 1886

Sigsbee Machine, 2 Reel.

Turns 1826 Cor. + 117 Depth 1943

Shot or lead 60 lbs.

Bottom dk br O3

Bottom temperature 37.2

No. of Thermometer 54820 Cor. - .3

Corrected temperature 36.9

Air 63 Surface 65 Drift.

*circ 21 W 2 105*

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8.02.30	47.20	0		
03.20	46.20	100		
04.15	45.25	200		
05.00	44.20	300		
05.55	43.25	400		
06.50	42.25	500		
07.50	41.21	600		
08.45	40.21	700		
09.50	39.15	800		
10.55	38.15	900		
12.00	37.10	1000		
13.10	36.00	1100		
14.20	35.00	1200		
15.30	34.30	1300		
16.15	33.15	1400		
17.30	31.25	1500		
18.30	30.15	1600		
19.50	28.25	1700		
20.05	27.00	1800		
21.30	26.00	1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE

DEPTH.	DATE.	NO. OF THER.	TIME.	(REL. TIME)
15				
30				
45				
60				
75				
90				
105				
120				
135				
150				
165				
180				
195				
210				
225				
240				
255				
270				
285				
300				
315				
330				
345				
360				
375				
390				
405				

REMARKS



No. 1073

Date Aug 25 1886

Sigsbee Machine. 2 Reel.

Turns 1740 Cor. + 114 Depth 1854

Shot or lead 60

Bottom sh. br. g.

Bottom temperature 57

No. of Thermometer 52830 Cor. - .3

Corrected temperature 36.7

Air 63 Surface 65 Drift. Par. 2.155

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9. 33.00	11. 30	0		
33.40	13. 20	100		
34.25	12. 55	200		
35.10	12. 40	300		
36.00	11. 15	400		
36.50	10. 30	500		
37.45	09. 30	600		
38.40	08. 20	700		
39.40	07. 30	800		
40.40	06. 30	900		
41.40	05. 30	1000		
42.50	04. 30	1100		
44.00	03. 30	1200		
45.30	02. 30	1300		
46.45	01. 30	1400		
47.45	10. 00 00	1500		
49.10	08. 30	1600		
50.10	07. 30	1700		
51.50	06. 30	1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE

DEPTH	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
35				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 1070 Date Aug 25 1884

Sigsbee Machine. 2 Reel.

Turns 1686 Cor. + 112 Depth 1798

Shot or lead 60 lb

Bottom dk br gy.

Bottom temperature 37.5

No. of Thermometer 521820 Cor. - 3

Corrected temperature 37.2

Air 63 Surface 65 Drift.

Trawl or dredge or tangles

Cur SE 1/2 mi

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

10 56.20	36.10	0		
57.25	35.20	100		
58.50	34.40	200		
11 00.25	33.50	300		
01.35	32.20	400		
02.30	31.20	500		
03.30	30.25	600		
04.25	29.30	700		
05.25	29.30	800		
06.25	28.30	900		
07.30	27.30	1000		
08.10	26.20	1100		
09.25	25.20	1200		
10.25	24.30	1300		
12.00	23.20	1400		
13.25	22.30	1500		
14.20	20.45	1600		
15.25	17.00	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 TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
5				
10				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 1075 Date Aug 25 1916  
 Sigbee Machine. 2 Reel.

Turns 1668 Cor. + 111 Depth 1779

Shot or lead 60 lb

Bottom dk br gy s.

Bottom temperature 37.1

No. of Thermometer 54820 Cor. -3

Corrected temperature 37.1

Air 64 Surface 65 Drift.

Trawl or dredge or tangles 2 No East

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.
21.40	06.30	0
22.30	05.55	100
23.20	05.20	200
24.10	04.45	300
25.00	04.10	400
25.50	03.35	500
26.40	03.00	600
27.30	02.25	700
28.20	01.50	800
29.10	01.15	900
30.00	00.40	1000
30.50	00.05	1100
31.40	00.30	1200
32.30	00.55	1300
33.20	01.20	1400
34.10	01.45	1500
35.00	02.10	1600
35.50	02.35	1700
36.40	03.00	1800
37.30	03.25	1900
38.20	03.50	2000
39.10	04.15	2100
40.00	04.40	2200
40.50	05.05	2300
41.40	05.30	2400

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

SERIAL TEMPERATURE,

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

REMARKS.

*OPM*  
067

No. 1076 Date Aug 25 1886  
Sigsbee Machine. 2 Reel.

Turns 1652 Cor. + 110 Depth 1762

Shot or lead 60

Bottom dk br gy.

Bottom temperature 37.2

No. of Thermometer 54820 Cor. .3

Corrected temperature 36.9

Air 70 Surface 73 Drift.

Trawl or dredge or tangles Eye 2 No. End

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

1.58-20	29.50	0
30-20	29.00	100
55-15	28.20	200
56-10	27.35	300
57-10	26.50	400
58-10	26.00	500
59-10	25.00	600
2.00-10	24.00	700
01-20	23.00	800
02-25	21.50	900
03-35	20.50	1000
04-55	19.35	1100
05-55	18.20	1200
07.00	17.00	1300
08.15	16.00	1400
09.20	15.55	1500
10.45	15.35	1600
11.55	15.15	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 TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
15				
30				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.



16-10  
607

No. 1077 Date May 29 1886  
Sigsbee Machine. 2 Reel.

Turns 1632 Cor. + 109 Depth 1741

Shot or lead 60 lbs

Bottom dk br gy.

Bottom temperature 37.2

No. of Thermometer 52820 Cor. -.3

Corrected temperature 36.9

Air 70 Surface 73 Drift.

Trawl or dredge or tangles *Cornish*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3-15.00	53.50	0		
15.50	53.00	100		
16.05	52.50	200		
17.15	51.50	300		
18.30	50.40	400		
19.40	50.00	500		
21.10	49.00	600		
22.30	47.30	700		
23.50	46.10	800		
25.10	45.20	900		
26.50	44.10	1000		
28.30	43.10	1100		
29.40	41.40	1200		
31.00	39.50	1300		
32.20	38.50	1400		
33.40	37.20	1500		
35.10	36.00	1600		
36.40	35.00	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 TEMPERATURE,

DEPTH.	FATH.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
150				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *Hyd 1078* Date *August 25 86*

*Sigsbee* Machine. *2* Reel.

Turns *1540* Cor. *+104* Depth *1044*

Shot or lead *60 lbs.*

Bottom *dk. br. G.*

Bottom temperature *37.5*

No. of Thermometer *54820* Cor. *-.3*

Corrected temperature *37.2*

Air *70* Surface *72* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.
<i>35.00</i>	<i>07.55</i>	0
<i>35.50</i>	<i>09.30</i>	100
<i>36.40</i>	<i>11.20</i>	200
<i>37.30</i>	<i>13.50</i>	300
<i>38.30</i>	<i>15.00</i>	400
<i>39.30</i>	<i>16.20</i>	500
<i>40.25</i>	<i>17.50</i>	600
<i>41.25</i>	<i>19.55</i>	700
<i>42.25</i>	<i>21.05</i>	800
<i>43.25</i>	<i>22.30</i>	900
<i>44.25</i>	<i>24.20</i>	1000
<i>45.30</i>	<i>25.00 20</i>	1100
<i>46.35</i>	<i>27.30</i>	1200
<i>47.40</i>		1300
<i>48.50</i>		1400
<i>50.10</i>	<i>56.00</i>	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 TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	DIRE. TEMP.
25				
50				
100				
150				
200				
250				
300				
350				
400				
450				
500				
550				
600				
650				
700				
750				
800				
850				
900				
950				
1000				

REMARKS.

No. 1079 Date August 25 86.

Sigsbee Machine. 2 Reel.

Turns 1586 Cor. + 107 Depth 1693

Shot or lead 60 lbs.

Bottom dk. br. Gy.

Bottom temperature 37.2

No. of Thermometer 54820 Cor. - .3

Corrected temperature 36.9

Air 70 Surface 72 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
01.50	36.15	0		
02.50	35.40	100		
03.50	35.00	200		
04.10	34.15	300		
05.25	33.25	400		
06.40	32.35	500		
07.55	31.50	600		
09.10	30.35	700		
10.25	29.30	800		
11.30	28.20	900		
12.35	27.20	1000		
13.45	26.15	1100		
14.55	25.15	1200		
16.05	24.00	1300		
17.20	22.45	1400		
18.35	21.30	1500		
19.50	20.50	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 TEMPERATURE,

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

REMARKS.

No. *1050* Date *August 25 86**Sigsbee* Machine. *2* Reel.Turns *1590* Cor. *+ 107* Depth *1697*Shot or lead *60 lbs.*Bottom *dk. br. G.*Bottom temperature *37.5*No. of Thermometer *54820* Cor. *- 3*Corrected temperature *36.9*Air *70* Surface *72* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

<i>7.28.45</i>	<i>04.45</i>	0		
<i>29.35</i>	<i>04.10</i>	100		
<i>30.30</i>	<i>03.20</i>	200		
<i>31.25</i>	<i>02.35</i>	300		
<i>32.20</i>	<i>01.50</i>	400		
<i>33.20</i>	<i>01.00</i>	500		
<i>34.30</i>	<i>9.00.10</i>	600		
<i>35.40</i>	<i>00.20</i>	700		
<i>36.50</i>	<i>58.30</i>	800		
<i>38.00</i>	<i>57.15</i>	900		
<i>39.15</i>	<i>56.00</i>	1000		
<i>40.30</i>	<i>54.45</i>	1100		
<i>41.45</i>	<i>53.25</i>	1200		
<i>43.05</i>	<i>52.10</i>	1300		
<i>44.25</i>	<i>50.55</i>	1400		
<i>45.50</i>	<i>49.50</i>	1500		
<i>47.00</i>	<i>7.49.00</i>	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 TEMPERATURE.

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

REMARKS.



No. *Hyd 1081* Date *Aug 25<sup>th</sup> 1886**Sigsbee* Machine. *2* Reel.Turns *1606* Cor. + *107* Depth *1713*Shot or lead *60 lbs.*Bottom *lt. br. Oz. Fgn.*Bottom temperature *37.2*No. of Thermometer *54820* Cor. *-.3*Corrected temperature *37.5*Air *70* Surface *71* Drift.Trawl or dredge or tangles *Cur. 2 Kts E'ly*

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

<i>9 05</i>	<i>45.40</i>	<i>0</i>		
<i>06.20</i>	<i>44.45</i>	<i>100</i>		
<i>07.35</i>	<i>44.00</i>	<i>200</i>		
<i>08.45</i>	<i>43.15</i>	<i>300</i>		
<i>09.45</i>	<i>42.25</i>	<i>400</i>		
<i>10.45</i>	<i>41.35</i>	<i>500</i>		
<i>11.40</i>	<i>40.45</i>	<i>600</i>		
<i>12.45</i>	<i>39.50</i>	<i>700</i>		
<i>13.50</i>	<i>38.55</i>	<i>800</i>		
<i>14.55</i>	<i>38.00</i>	<i>900</i>		
<i>16.00</i>	<i>36.55</i>	<i>1000</i>		
<i>17.05</i>	<i>35.45</i>	<i>1100</i>		
<i>18.15</i>	<i>34.35</i>	<i>1200</i>		
<i>19.30</i>	<i>32.35</i>	<i>1300</i>		
<i>21.00</i>	<i>31.15</i>	<i>1400</i>		
<i>23.30</i>	<i>30.05</i>	<i>1500</i>		
<i>25.30</i>	<i>28.40</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>		

1500  
 1600  
 1700  
 1800  
 1900  
 2000  
 2100  
 2200  
 2300  
 2400  
 2500  
 2600  
 2700  
 2800  
 2900  
 3000

SERIAL TEMPERATURES

DEPTH	TEMP.	% OF TIME	DIR.	DIR. TIME
10				
20				
30				
40				
50				
60				
70				
80				
90				
100				
110				
120				
130				
140				
150				
160				
170				
180				
190				
200				
210				
220				
230				
240				
250				
260				
270				
280				
290				
300				

REMARKS

No. 7040.1052 Date August 26 1886

Sigsbee Machine. 2 Reel.

Turns +80 Cor. +107 Depth 187

Shot or lead 60 lbs.

Bottom br. Co. gy. M.

Bottom temperature 37.8

No. of Thermometer 54820 Cor. - .3

Corrected temperature 37.5

Air 73 Surface 73 Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

12.29.00	06.20	0		
30.10	05.45	100		
31.20	05.00	200		
32.30	04.10	300		
33.40	03.15	400		
34.50	02.15	500		
35.50	01.15	600		
36.50	1.00.15	700		
37.50	59.05	800		
39.00	58.00	900		
40.10	56.50	1000		
41.15	55.40	1100		
42.25	54.25	1200		
43.40	53.10	1300		
47.20	52.00	1400		
48.50	12.51.00	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 TEMPERATURE.

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

REMARKS.

No. *3402* Date *August 26 1886*Machine. *2* Reel.Turns *1518* Cor. + *102* Depth *1620*Shot or lead *60 lbs*Bottom *br. gy. cor.*Bottom temperature *37.5*No. of Thermometer *54120* Cor. *-3*Corrected temperature *37.2*Air *74* Surface *73* Drift.Trawl or dredge or tangles *6m. Ext. 2 lbs*

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

<i>2.08.30</i>	<i>40.00</i>	0		
<i>10.20</i>	<i>40.20</i>	100		
<i>11.10</i>	<i>39.35</i>	200		
<i>12.00</i>	<i>39.00</i>	300		
<i>12.45</i>	<i>38.05</i>	400		
<i>13.40</i>	<i>37.05</i>	500		
<i>14.30</i>	<i>36.50</i>	600		
<i>15.30</i>	<i>36.00</i>	700		
<i>16.40</i>	<i>35.00</i>	800		
<i>17.15</i>	<i>34.00</i>	900		
<i>18.00</i>	<i>33.00</i>	1000		
<i>19.15</i>	<i>32.00</i>	1100		
<i>20.30</i>	<i>30.45</i>	1200		
<i>22.15</i>	<i>29.30</i>	1300		
<i>24.15</i>	<i>28.15</i>	1400		
<i>25.40</i>	<i>27.00</i>	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

SEKIM TEMPERATURE.

DEPTH.	TEMP.	DIR. OF CURR.	CURR.	SURF. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *340* Date *August 26 86*Machine. *S* Reel.Turns *1592* Cor. + *107* Depth *1699*Shot or lead *60 lbs.*Bottom *br. O. For.*Bottom temperature *37.2*No. of Thermometer *54850* Cor. + *3*Corrected temperature *37.2*Air *74* Surface *74* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

<i>31.45</i>	<i>08.50</i>	0		
<i>32.55</i>	<i>08.45</i>	100		
<i>34.10</i>	<i>07.25</i>	200		
<i>35.45</i>	<i>06.40</i>	300		
<i>37.10</i>	<i>05.55</i>	400		
<i>38.35</i>	<i>05.05</i>	500		
<i>40.20</i>	<i>04.15</i>	600		
<i>41.30</i>	<i>03.50</i>	700		
<i>42.40</i>	<i>02.00</i>	800		
<i>43.50</i>	<i>01.00</i>	900		
<i>45.00</i>	<i>4.00.00</i>	1000		
<i>46.15</i>		1100		
<i>47.30</i>		1200		
<i>48.50</i>		1300		
<i>50.10</i>		1400		
<i>51.30</i>		1500		
<i>52.45</i>	<i>5.54.00</i>	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 TEMPERATURE.

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

REMARKS.



No. *Hyd 1085* Date *Aug 26 1886**Sigsbee* Machine. 2 Reel.Turns *1643* Cor. + *112* Depth *1805*Shot ~~or lead~~ *60 lbs*Bottom *br. Oz. For.*Bottom temperature *37*No. of Thermometer *54820* Cor. - *3*Corrected temperature *36.7*Air *74* Surface *74* Drift.Trawl or dredge or tangles *No current*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>4 59 20</i>	<i>38.05</i>	0		
<i>5 00 15</i>	<i>37.15</i>	100		
<i>01 15</i>	<i>36.30</i>	200		
<i>02.15</i>	<i>35.45</i>	300		
<i>03.15</i>	<i>35.00</i>	400		
<i>04.25</i>	<i>34.15</i>	500		
<i>05.35</i>	<i>33.20</i>	600		
<i>06.50</i>	<i>32.30</i>	700		
<i>08.05</i>	<i>31.30</i>	800		
<i>09.25</i>	<i>30.35</i>	900		
<i>10.40</i>	<i>29.35</i>	1000		
<i>12.00</i>	<i>28.30</i>	1100		
<i>13.25</i>	<i>27.25</i>	1200		
<i>14.45</i>	<i>26.20</i>	1300		
<i>16.05</i>	<i>25.10</i>	1400		
<i>17.25</i>	<i>24.00</i>	1500		
<i>19.00</i>	<i>22.45</i>	1600		
<i>20.30</i>	<i>21.30</i>	1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

1211  
1087

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

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	LOG.	WIND TEMP.
0				
10				
20				
30				
40				
50				
60				
70				
80				
90				
100				

REMARKS.

No. *Hyd. 1086* Date *Aug. 26<sup>th</sup> 1886*  
*Sigsbee* Machine. *2* Reel.

Turns *1794* Cor. + *116* Depth *1910*

Shot or lead *60 lbs.*

Bottom *br. Oz. Fir.*

Bottom temperature *37*

No. of Thermometer *54820* Cor. *-.3*

Corrected temperature *36.7*

Air *74* Surface *73* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.	UP.	TURNS.
<i>6 26.30</i>	<i>05.25</i>	<i>0</i>
<i>27.30</i>	<i>04.30</i>	<i>100</i>
<i>28.30</i>	<i>03.50</i>	<i>200</i>
<i>29.25</i>	<i>03.05</i>	<i>300</i>
<i>30.20</i>	<i>02.25</i>	<i>400</i>
<i>31.20</i>	<i>01.35</i>	<i>500</i>
<i>32.20</i>	<i>7.00.45</i>	<i>600</i>
<i>33.30</i>	<i>59.50</i>	<i>700</i>
<i>34.35</i>	<i>59.00</i>	<i>800</i>
<i>35.45</i>	<i>58.05</i>	<i>900</i>
<i>37.00</i>	<i>57.05</i>	<i>1000</i>
<i>38.15</i>	<i>56.10</i>	<i>1100</i>
<i>39.30</i>	<i>55.10</i>	<i>1200</i>
<i>40.45</i>	<i>54.10</i>	<i>1300</i>
<i>41.50</i>	<i>53.05</i>	<i>1400</i>
<i>43.05</i>	<i>52.00</i>	<i>1500</i>
<i>44.20</i>	<i>50.50</i>	<i>1600</i>
<i>45.35</i>	<i>49.40</i>	<i>1700</i>
<i>46.35</i>	<i>48.30</i>	<i>1800</i>
		<i>1900</i>
		<i>2000</i>
		<i>2100</i>
		<i>2200</i>
		<i>2300</i>
		<i>2400</i>

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE,

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

REMARKS.

*WAW*

736.50  
77.50

No. 1087 Date Aug 26/86

Sigsbee Machine. 2 Reel.

Turns 1765 Cor. + 115 Depth 1880

Shot or lead 60 lb

Bottom sh. br. G.

Bottom temperature 37

No. of Thermometer 54820 Cor. - .3

Corrected temperature 36.7

Air 70 Surface 73 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.
29.50	09.00	0
30.45	08.15	100
31.45	07.30	200
32.45	06.45	300
33.45	06.00	400
34.45	05.10	500
35.45	04.15	600
36.50	03.25	700
38.00	02.25	800
39.05	01.25	900
40.10	9.00.25	1000
41.20	59.20	1100
42.30	58.15	1200
43.45	57.10	1300
45.00	56.55	1400
46.15	56.10	1500
47.35	55.30	1600
48.45	54.15	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 TEMPERATURE

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

BT WARREN.

No. *Hyd. 1058* Date *August 27 '80*  
*Sigsbee* Machine. *2* Reel.

Turns *1764* Cor. *115* Depth *1879*

Shot or lead *60 lbs.*

Bottom *lt. br. G. S.*

Bottom temperature *37*

No. of Thermometer *54820* Cor. *- .3*

Corrected temperature *36.7*

Air *67* Surface *72* Drift.

Trawl or dredge or tangles *Cur. N. H. 2 No.*

## SOUNDING WIRE.

## DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>12.30.00</i>	<i>11.00</i>	0		
<i>27.00</i>	<i>10.20</i>	100		
<i>28. —</i>	<i>09.40</i>	200		
<i>29.10</i>	<i>09.05</i>	300		
<i>30.25</i>	<i>08.30</i>	400		
<i>31.40</i>	<i>07.45</i>	500		
<i>33. —</i>	<i>06.45</i>	600		
<i>34.15</i>	<i>05.50</i>	700		
<i>35.30</i>	<i>05.05</i>	800		
<i>36.45</i>	<i>04.15</i>	900		
<i>38. —</i>	<i>03. —</i>	1000		
<i>39.25</i>	<i>01.45</i>	1100		
<i>41. —</i>	<i>1.00.30</i>	1200		
<i>42.30</i>	<i>59.05</i>	1300		
<i>44. —</i>	<i>57.45</i>	1400		
<i>46.45</i>	<i>56.30</i>	1500		
<i>48.50</i>	<i>55.15</i>	1600		
<i>50.30</i>	<i>53.50</i>	1700		
<i>51.30</i>	<i>12.53.00</i>	1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THERM.	DIRE.	LOG. TEMP.
25				
30				
40				
50				
60				
70				
80				
90				
100				

REMARKS.



No. *7459* Date *August 27 1886*  
*Machine. 2 Reel.*

Turns *1589* Cor. *107* Depth *1696*

Shot or lead *60 lbs.*

Bottom *—*

Bottom temperature *—*

No. of Thermometer *5420* Cor. *—*

Corrected temperature *—*

Air *68* Surface *72* Drift *—*

Trawl or dredge or tangles *—*

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
<i>4.0</i>		0		
<i>11</i>		100		
<i>12</i>		200		
<i>13</i>		300		
<i>14</i>		400		
<i>23.15</i>		500		
<i>24.25</i>		600		
<i>25.25</i>		700		
<i>26.45</i>	<i>45.00</i>	800		
<i>27.55</i>	<i>44.30</i>	900		
<i>28</i>	<i>44</i>	1000		
<i>30.15</i>	<i>43.20</i>	1100		
<i>31.45</i>	<i>42.40</i>	1200		
<i>33.10</i>	<i>41.25</i>	1300		
<i>34.35</i>	<i>40.40</i>	1400		
<i>36</i>	<i>40</i>	1500		
<i>37.15</i>	<i>39</i>	1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*Shore with all of line  
 leaving 500 turns  
 down. 5420 and  
 specimen each.*

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE.

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

REMARKS.

No. 2706 Date August 27 1880  
Machine. 2 Reel.

Turns 1126 Cor. + 62 Depth 1188

Shot or lead 60 lbs.

Bottom gy. Co. For.

Bottom temperature 38.5

No. of Thermometer 54822 Cor. - 3

Corrected temperature 38.2

Air 69 Surface 71 Drift. 1/2 mi S.W.

Trawl or dredge or tangles L.B.

## SOUNDING WIRE.

## DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8 46.00	12.50	0	9.33.30	44.00
46.35	12.00	100	27.30	40.15
47.45	11.15	200	41.30	37.00
48.40	10.30	300	45.00	34.00
49.35	08.20	400	47.30	31.00
52.00	07.30	500	50.30	28.00
53.50	06.35	600	54.00	25.00
54.55	05.40	700	57.50	21.05
55.50	04.45	800	10.01.15	18.30
56.55	03.40	900	04.45	15.00
57.55	02.40	1000	08.15	11.15
59.00	9.01.15	1100	11.15	07.20
		1200	14.45	12.03.15
		1300	18.30	58.50
		1400	22.45	54.30
		1500	26.20	50.30
		1600	29.50	46.30
		1700	33.50	42.00
		1800	37.45	37.20
		1900	42.15	32.30
		2000	46.45	11.27.10
		2100		
		2200		
		2300		
		2400		

Standa depth net while  
 dredging.

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

SERIAL TEMPERATURE.

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

REMARKS.

6 Blue Water 2 Mammals 2000 -  
 9 Cryptocaryonides - 1 Rais - 1 Cyclostoma  
 Few Holothurians - Stars. Echini. Ophiurians  
 Mollusca in abundance & Crustaceans  
 & several species fish taken on surface.

No. 21707 Date August 27<sup>th</sup> 1886  
 Sigsbee Machine. 2 Reel.

Turns 1041 Cor. + 58 Depth 1099

Shot or lead 35 lbs.

Bottom br. Gy. Sst.

Bottom temperature 38.5

No. of Thermometer 54822 Cor. - .3

Corrected temperature 38.2

Air 68 Surface 71 Drift. 1 1/2 m - S x W

Trawl or dredge or tangles S. B.

Down, East 2 Turns.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1.37.00	14.40	0	2.21.15	26.25
38.10	13.50	100	26.00	22.45
39.20	13.10	200	28.50	20.00
40.40	12.30	300	31.15	17.50
42.00	11.45	400	34.15	15.00
43.20	10.50	500	36.50	12.25
44.45	10.00	600	40.25	10.00
46.15	09.05	700	44.30	07.15
47.45	08.10	800	48.30	04.15
2.02.15	07.10	900	52.10	5.01.30
04.30	06.00	1000	55.45	5.00
		1100	59.05	55.05
		1200	3.02.40	52.10
		1300	06.10	49.15
		1400	09.05	46.15
		1500	12.30	42.45
		1600	15.55	38.45
		1700	19.00	34.45
		1800	30.30	4-30.00
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Tapped surface wet while  
 dredging.

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

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
30				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS,

Dredging gear coming back  
 1. Ben. sand from surface  
 1. Sand 20 ft.

No. 2708 Date Aug. 28<sup>th</sup> 1896Sigsbee Machine. Reel.Turns 926 Cor. + 54 Depth 780~~Shot or lead~~ 35 lbs.Bottom br. Oz.Bottom temperature 38.8No. of Thermometer 54822 Cor. -3Corrected temperature 38.0Air 72 Surface 73 Drift. 1.21 - WestTrawl or dredge or tangles L.S.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
	<u>7-04-70</u>			
<u>6-42</u>	<u>6-55-00</u>	0	<u>7.09.30</u>	<u>8.00.00</u>
<u>6-43-40</u>	<u>7-03-20</u>	100	<u>13.05</u>	<u>20.45</u>
<u>44-20</u>	<u>7-02-35</u>	200	<u>16.00</u>	<u>18.00</u>
<u>45-20</u>	<u>7-01-40</u>	300	<u>18.45</u>	<u>15.50</u>
<u>46-20</u>	<u>7-01-40</u>	400	<u>21.20</u>	<u>12.10</u>
<u>47-40</u>	<u>6-59-10</u>	500	<u>24.00</u>	<u>09.00</u>
<u>48-55</u>	<u>6-58-35</u>	600	<u>27.00</u>	<u>05.55</u>
<u>50-10</u>	<u>6-57-20</u>	700	<u>30.00</u>	<u>02.40</u>
<u>51-40</u>	<u>6-56-10</u>	800	<u>33.30</u>	<u>59.15</u>
<u>53-00</u>	<u>6-55-00</u>	900	<u>37.30</u>	<u>56.00</u>
		1000	<u>41.00</u>	<u>52.55</u>
		1100	<u>44.25</u>	<u>49.00</u>
		1200	<u>47.40</u>	<u>45.20</u>
		1300	<u>51.00</u>	<u>41.50</u>
		1400	<u>54.00</u>	<u>38.30</u>
		1500	<u>58.00</u>	<u>34.50</u>
		1600	<u>8.02.00</u>	<u>30.30</u>
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Trawl surface net while dredging

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

SERIAL TEMPERATURE.

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

REMARKS.

*W. H. ...*



107.

No. 2709

Date Aug 28 1886

Machine. 2 Reel.

Turns 877 Cor. + 179 Depth 866

Shot or lead 35 lb

Bottom br-M.

Bottom temperature 38.5

No. of Thermometer 52822 Cor. - .3

Corrected temperature 39.5

Air 74 Surface 74 Drift. 3/4 mi. 1/2 mi.

Trawl or dredge or longline L.B.; 6 hr 10 1/2 hr

SOUNDING WIRE.			DREDGE ROPE.	
DOWN.	UP.	TURNS.	DOWN.	UP.
9 25 30	42 20	0	9 55 00	1 00 00
25 35	43 30	100	58 00	00 25
27 35	42 40	200	10 00 30	33 30
29 45	41 50	300	02 45	50 00
30 00	40 55	400	05 10	12 00
31 15	39 45	500	07 30	12 00 45
32 30	38 40	600	10 00	50 15
33 45	37 30	700	12 30	13 00
35 00	36 15	800	15 00	30 25
		900	16 50	29 00
		1000	20 00	20 30
		1100	24 15	20 45
		1200	26 30	19 30
		1300	28 10	18 15
		1400	30 25	17 00
		1500	32 15	00 30
		1600	10 41 25	11 07 30
		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 TEMPERATURE

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

REMARKS.

*Bottom of the pipe was not  
 reached at 1000 feet*

No. *710*

Date *July 28*

Machine. *2* Reel.

Turns *931* Cor. *+ 54* Depth *984*

Shot or lead *35 lb*

Bottom *gn M*

Bottom temperature *38.5*

No. of Thermometer *3852* Cor. *- 3*

Corrected temperature *38.5*

Air *74* Surface *72* Drift.

Trawl or dredge or tangles *33, on W. 1 M*

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
<i>2-11-00</i>	<i>11-20</i>	0	<i>2-11-00</i>	<i>31 -</i>
<i>17-00</i>	<i>10-15</i>	100	<i>15-05</i>	<i>15.45</i>
<i>19-15</i>	<i>10-00</i>	200	<i>12-15</i>	<i>10.50</i>
<i>20-30</i>	<i>99-10</i>	300	<i>58-45</i>	<i>05.30</i>
<i>21-50</i>	<i>98-15</i>	400	<i>57-00</i>	<i>5.00.30</i>
<i>23-30</i>	<i>97-15</i>	500	<i>3-01-00</i>	<i>54.30</i>
<i>25-10</i>	<i>96-15</i>	600	<i>0-10-15</i>	<i>* 45.00</i>
<i>27-00</i>	<i>95-15</i>	700	<i>07-30</i>	<i>41.30</i>
<i>28-50</i>	<i>94-15</i>	800	<i>10-30</i>	<i>38.30</i>
<i>30-10</i>	<i>3 93-00</i>	900	<i>12-10</i>	<i>34.50</i>
		1000	<i>15-20</i>	<i>31.30</i>
		1100	<i>22-50</i>	<i>29.50</i>
		1200	<i>27-20</i>	<i>26.15</i>
		1300	<i>31-00</i>	<i>22.15</i>
		1400	<i>35-10</i>	<i>17.15</i>
		1500	<i>38-25</i>	<i>14.45</i>
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*(3rd and 2nd Reel same.)*

Station 1000 - 1000 fathoms

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

SERIAL TEMPERATURE.

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

REMARKS.

12 Compositenoides 1 Macrurus longipes  
 9 Bivalvia 2 Lycodes 2 Pteropoda  
 Ophiurans in numbers Holothurians Echini.  
 Molluscs + Crustaceans

No. 2711 Date Sept. 16" 86  
 Sigsbee Machine. 2 Reel.

Turns 1433 Cor. + 111 Depth 1544

Shot or lead 35 lb

Bottom Glob O

Bottom temperature 37.2

No. of Thermometer 54822 Cor. -.5

Corrected temperature 36.7

Air 77 Surface 71 Drift. 1/2 m - W. & N.

Trawl or dredge or trawls L. B.

Lower 1/2 Reels No.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2 56.30	33 50	0	3 40.00	4 21.50
57.45	33.00	100	47.20	39.30
59.00	32.15	200	51.00	36.30
3 00.15	31.30	300	53.50	33.45
01.45	30.40	400	56.45	30.45
03.15	29.45	500	4 01.30	27.35
04.50	28.50	600	03.30	25.00
06.45	27.45	700	07.05	21.30
08.15	26.45	800	10.15	18.25
09.45	25.40	900	13.30	15.10
11.00	24.30	1000	17.20	11.50
12.25	23.30	1100	21.30	08.50
14.00	22.20	1200	25.00	05.00
15.25	21.05	1300	28.30	7 01.15
17.00	3.20.00	1400	32.30	58.30
		1500	36.45	55.00
		1600	41.00	51.10
		1700	45.30	48.00
		1800	50.30	44.00
		1900	* 5.01.30	39.50
		2000	05.00	35.45
		2100	10.45	31.20
		2200	15.20	27.10
		2300	20.10	6-21-30
		2400		

\* 500 added ahead of mine.

Sound surface water  
 along the shore

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

SERIAL TEMPERATURE.

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

REMARKS.

N. G. H. ... 1 Benthosaurus ... 1 Berged  
 1. P. ... 1 L. ... 3 ... Many stars  
 Ophiurans. Few molluscs

No. 21712 Date Sept. 17<sup>th</sup> 1886

Sigsbee Machine. 2 Reel.

Turns 1738 Cor. + 129 Depth 1867

Shot or lead 35 lbs

Bottom lt. br. G.

Bottom temperature 36.1

No. of Thermometer 54822 Cor. -0

Corrected temperature 36.2

Air 76 Surface 75 Drift. 1/2 mi. E. 1/2 mi. N.

Trawl or dredge or trawls Large beam

## SOUNDING WIRE.

## DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4.36.15	21.15	0	5.49.15	24.30
37.35	20.25	100	52.30	21.20
38.50	19.40	200	55.15	18.35
40.00	18.55	300	57.50	15.45
41.20	18.05	400	6.00.50	13.00
42.30	17.15	500	04.00	10.00
43.50	16.20	600	07.50	06.50
45.20	15.25	700	11.40	03.15
47.00	14.25	800	15.25	10.00-50
48.40	13.25	900	19.15	07.15
50.10	12.20	1000	22.45	03-30
51.40	11.20	1100	25.50	00.00
53.10	10.10	1200	29.20	00-25
54.40	09.10	1300	32.40	42.30
56.15	08.00	1400	37.45	38.40
57.50	06.50	1500	42.30	35.00
59.20	05.35	1600	46.50	30.50
5.01.00	5.04.00	1700	50.40	26.25
		1800	54.20	22.30
		1900	57.30	18.30
		2000	7.01.15	15.00
		2100	7.05.45	11.00
		2200	10.10	07.30
		2300	14.00	02.05
		2400	17.15	00.05

20.45	10.00	2500		
24.25	13.25	2600		
28.00	16.50	2700		
31.40	19.75	2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURE.

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

REMARKS.

12.00 - 13.00 hours  
 6 Dolphins & 1 Shark & 1 large squid  
 from surface



No. 2713 Date Sept 17 of 1886Machine. 2 Reel.Turns 1730 Cor. + 129 Depth 1859Shot or lead 35 lbBottom U-br OZBottom temperature 36.5No. of Thermometer 54732 Cor. - .2Corrected temperature 36.3Air 78 Surface 76 Drift. 1 1/2 m. WestTrawl or dredge or tangles Large Whiting

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
<u>11-20-30</u>	<u>16:35</u>	0	<u>11-20.00</u>	<u>05.50</u>
<u>30-35</u>	<u>16.00</u>	100	<u>24.00</u>	<u>4 02.20</u>
<u>32-50</u>	<u>15.20</u>	200	<u>27.10</u>	<u>37.50</u>
<u>35-15</u>	<u>14.35</u>	300	<u>29.45</u>	<u>57.05</u>
<u>37-25</u>	<u>13.50</u>	400	<u>33.35</u>	<u>52.54</u>
<u>39-45</u>	<u>13.00</u>	500	<u>37.00</u>	<u>51.00</u>
<u>41-55</u>	<u>12.05</u>	600	<u>40.00</u>	<u>47.51</u>
<u>43-30</u>	<u>11.10</u>	700	<u>43.15</u>	<u>36.00</u>
<u>45-45</u>	<u>10.10</u>	800	<u>46.50</u>	<u>18.00</u>
<u>47-15</u>	<u>09.10</u>	900	<u>51.05</u>	<u>36.00</u>
<u>48-25</u>	<u>08.15</u>	1000	<u>55.10</u>	<u>29.00</u>
<u>49-55</u>	<u>07.20</u>	1100	<u>57.35</u>	<u>24.00</u>
<u>51-00</u>	<u>06.55</u>	1200	<u>62.05</u>	<u>26.00</u>
<u>52-25</u>	<u>06.45</u>	1300	<u>64.25</u>	<u>17.50</u>
<u>53-25</u>	<u>05.25</u>	1400	<u>68.30</u>	<u>14.25</u>
<u>54.00</u>	<u>02.10</u>	1500	<u>12.50</u>	<u>12.25</u>
<u>55.35</u>	<u>11.00 50</u>	1600	<u>16.20</u>	<u>08.25</u>
<u>57-15</u>	<u>10.20</u>	1700	<u>19.55</u>	<u>3.03 45</u>
		1800	<u>23.30</u>	<u>53.00</u>
		1900	<u>27.30</u>	<u>05.10</u>
		2000	<u>31.15</u>	<u>49.00</u>
		2100	<u>35.20</u>	<u>02.30</u>
		2200	<u>40.10</u>	<u>37.05</u>
		2300	<u>45.20</u>	<u>34.30</u>
		2400	<u>49.40</u>	<u>24.35</u>

12.54-25	22.20	2500	
57-10	16.00	2600	
1-03-45	13.20	2700	
03-20	20.30	2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURE,

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

REMARKS.

L. Macrurus affinis, 2. Macrurus fuscus.  
 Number Ophiurans, Star, 1 Euphuroides cornuta.  
 Red shrimp, Crabs, Anemone with sea anemone  
 Umbellula, Molluscs, Ascidians Calappa

No. 2714 Date Sept. 17th. 1886.

Sigsbee Machine. 2 Reel.

Turns 1698 Cor. + 127 Depth 1825

Shot or lead 35 lbs.

Bottom lt. br. O.

Bottom temperature Not taken

No. of Thermometer 54822 Cor.

Corrected temperature

Air 80 Surface 78 Drift. 1/2 miles SW

Trawl or dredge or tangles Large Beam.

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
13.30	54'00"	0	4.58.45	46.00
14.20	52'31"	100	5.03.20	43.05
15.15	51'45"	200	07.40	38.05
16.10	50'59"	300	10.50	33.50
17.10	50'07"	400	13.20	29.15
18.15	49'11"	500	16.30	25.00
19.20	48'13"	600	20.05	20.55
20.30	47'19"	700	23.50	16.55
21.50	46'19"	800	27.15	12.50
23.15	45'15"	900	31.20	08.40
24.45	44'11"	1000	35.15	05.15
26.10	42'57"	1100	38.45	9.01.40
27.40	41'43"	1200	42.30	57.50
29.05	40'29"	1300	46.25	53.50
30.30	39'17"	1400	51.00	50.00
31.50	37'58"	1500	56.00	45.45
32.15	36'45"	1600	59.45	40.45
34.30	35'30"	1700	6.03.00	35.50
		1800	06.30	30.45
		1900	10.45	24.00
		2000	15.00	17.30
		2100	19.20	11.45
		2200	23.30	8.06.10
		2300	26.50	59.00
		2400	30.15	7.49.00

6.50.00	42.10	2500	
37.50	38.25	3000	
41.10	34.45	3700	
44.40	7.31.00	2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURE,

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

REMARKS.

15 *Macrurus asper*  
 2 *Euphrasides* sp. Stars, Ophiurans,  
 Pechinids, Ascidians, Molluscs, Echinoderms  
 Amphipods

200  
1230  
1270

No. 3715 Date Sept. 18th 1876

Sigsbee Machine. 2 Reel.

Turns 1630 Cor. + 123 Depth 1753

Shot or lead 35 lb

Bottom sh. br oz

Bottom temperature 87

No. of Thermometer 54822 Cor. - 2°

Corrected temperature 86° 5'

Air 75 Surface 75 Drift. 1/2 m. N. 1/2 E.

Trawl or dredge or tangles Large Beam

Bottom 1 sh. br oz

SOUNDING WIRE.			DREDGE ROPE.	
DOWN.	UP.	TURNS.	DOWN.	UP.
0-31-05	31-20	0	17-30-00	17-40
32-00	30-05	100	30-00	14-45
33-00	17-30	200	42-00	11-30
34-15	16-20	300	54-00	08-15
36-15	15-05	400	06-30	04-50
37-20	14-15	500	19-00	10-01-40
38-30	13-00	600	31-00	57-00
40-15	12-20	700	43-00	54-15
41-20	11-30	800	55-00	50-35
42-25	10-45	900	07-00	46-45
43-30	09-55	1000	19-00	42-30
44-35	09-10	1100	31-00	38-45
45-40	08-25	1200	43-00	34-30
46-45	07-40	1300	55-00	30-15
47-50	07-00	1400	07-00	26-30
48-55	06-20	1500	19-00	20-40
49-50	05-40	1600	31-00	16-25
		1700	43-00	12-00
		1800	55-00	07-15
		1900	07-00	03-15
		2000	19-00	59-30
		2100	31-00	55-30
		2200	43-00	51-30
		2300	55-00	47-45
		2400	07-00	42-15

7	11.00	27.30	2500	
	20.00	27.00	2600	
			2700	
			2800	
			2900	
			3000	
			3100	
			3200	
			3300	
			3400	
			3500	
			3600	
			3700	
			3800	
			3900	
			4000	

Lead surface with white staining

SERIAL TEMPERATURE,

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

REMARKS.

16 Mammals a few. 1 Nemichthys.  
 1 Macrurus form. 1 Physic. young. 1 Berycid  
 1 Poratulid?  
 1 Littorid. Red shrimp. Star. 1 hermit  
 with sea anemone. 1 Trachymura.  
 Surface 1 Nautulus small.

No. 2716 Date Sept. 18th. 1885.

Machine. 2 Reel.

Turns 1515 Cor. + 116 Depth 1631

Shot or lead 35 lbs.

Bottom br. Gy. S. on.

Bottom temperature 27.

No. of Thermometer 54822 Cor. - 7

Corrected temperature 36.0

Air 76 Surface 75 Drift, 1/2 m. S. W.

Trawl or dredge or tangles Large Beam

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

11.04.15

13.45

0

11.04.15

13.45

24.55

57.30

100

08.00

0.45

28.50

55.15

200

11.20

05.55

26.50

53.30

300

14.15

2.03.25

28.00

52.45

400

17.10

59.55

29.10

52.00

500

20.30

56.20

30.30

51.10

600

24.00

52.40

31.30

50.20

700

27.40

49.00

32.45

49.30

800

30.30

45.20

34.00

48.30

900

33.50

41.35

35.20

47.30

1000

37.10

38.10

36.45

46.25

1100

40.15

34.15

38.10

45.25

1200

43.45

30.45

39.30

44.20

1300

47.10

26.00

40.50

43.15

1400

51.20

21.00

42.15

10.44.00

1500

55.15

16.15

1600

59.15

11.45

1700

12.03.10

07.10

1800

12.07.10

2.03.00

1900

12.11.20

59.00

2000

12.15.45

53.45

2100

18.50

48.10

2200

21.30

42.00

2300

24.00

36.40

2400

27.30

1.32.10

	2500	12,31,30	1.28.00
	2600		
	2700		
	2800		
	2900		
	3000		
	3100		
	3200		
	3300		
	3400		
	3500		
	3600		
	3700		
	3800		
	3900		
	4000		

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
15				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

15 Macrurus species 1. Macrurus fou  
 1 Porotulid ?  
 Red shrimp, Mollusca Gold band  
 coral 1 sp.



No. 2717 Date Sept. 19<sup>th</sup> 1886.

Sigsbee Machine. 2 Reel.

Turns 1500 Cor. + 115 Depth 1615

Shot or lead 35 lbs.

Bottom br. Gy.

Bottom temperature 37.2

No. of Thermometer 54822 Cor. - 0°

Corrected temperature 36.7

Air 75 Surface 73 Drift. 1 m. NW

Trawl or dredge or tangles Large Beam.

## SOUNDING WIRE.

## DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3.16.30	49.55	0	3.54.30	32.00
17.30	49.15	100	57.00	28.00
18.35	48.40	200	59.50	24.00
19.40	48.00	300	03.50	19.40
20.45	47.10	400	4.07.45	15.40
21.55	46.20	500	11.25	12.30
23.10	45.25	600	15.00	09.15
24.20	44.30	700	18.50	05.15
25.30	43.35	800	23.30	8 01.15
26.45	42.40	900	28.05	56.35
28.00	41.45	1000	32.20	52.25
29.20	40.45	1100	36.20	48.30
30.40	39.45	1200	39.50	44.30
32.00	38.35	1300	43.15	40.30
33.30	37.25	1400	46.30	36.25
35.05	36.15	1500	50.20	32.20
		1600	53.00	28.15
		1700	58.30	24.10
		1800	5.02.30	20.15
		1900	06.35	16.20
		2000	10.25	12.10
		2100	14.45	07.15
		2200	19.05	7 02.10
		2300	24.50	57.50
		2400	29.20	53.15

	2500	33.456.48.00
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE

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

REMARKS.

3 Pterostomus. 1 Stomatich.  
 1 Sternopyge. 1 Berycid  
 6 Cyclothone larva. 3 Sarsipilids  
 Red Shrimp 1

No. 2718 — Date Sept. 19th. 1886.

Sigsbee Machine. 2. Reel.

Turns 1457 Cor. + 112 Depth 1569

Shot or lead 35 lbs.

Bottom br. Gyp.

Bottom temperature 37

No. of Thermometer 54822 Cor. - .5°

Corrected temperature 36.0°

Air 72 Surface 74 Drift. 2<sup>1</sup>/<sub>2</sub> miles N.N.W

Trawl or dredge or tangles Large Beam

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
40.00	25.00	0	5.58. —	08.05
41.00	25.05	100	42.20	04.35
42.05	24.20	200	46.30	10.01.30
43.10	23.35	300	51.00	58.15
44.20	22.45	400	55.35	54.55
45.35	21.50	500	6.00.15	51.25
47.00	20.45	600	03.45	47.50
48.10	19.35	700	07.30	44.20
49.05	18.35	800	14.15	41.00
50.50	17.35	900	14.45	37.30
52.35	16.45	1000	18.45	34.00
54.05	15.35	1100	23.20	30.20
03.45	14.30	1200	27.30	26.35
05.30	13.25	1300	31.45	22.45
07.45	12.15	1400	36.00	18.45
09.00	11.30	1500	40.20	14.30
		1600	44.45	10.15
		1700	49.15	06.25
		1800	53.35	02.25
		1900	57.50	58.20
		2000	7.02.10	54.25
		2100	05.40	50.25
		2200	14.15	46.20
		2300	18.00	41.45
		2400	20.40	36.00

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

SERIAL TEMPERATURE,

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

REMARKS.

10 Macrurus 20 per. 1 Macrurus fam.  
1 Noleoanus - 12 Lychthmus Cass.  
3 Beryllids - 1 Sternichel-  
Nymphe Anchaster grandis + red  
shrimp -

No. 2719 Date Sept. 19<sup>th</sup> 1886  
 Sigbee Machine. 2 Reel.

Turns 1425 Cor. + 111 Depth 1536

Shot or lead 35

Bottom lgy. Oz.

Bottom temperature 37.1

No. of Thermometer 54822, Cor. - .0

Corrected temperature 36.6

Air 77 Surface 75 Drift. 1/2 mile NW

Trawl or dredge or tangles Large Beam.

Sigsbee Machine

## SOUNDING WIRE.

## DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10 38.10	10.40	0	11.13.00	13.30
39.10	09.53	100	16.25	10.10
40.15	09.10	200	20.30	07.10
41.15	08.25	300	24.45	04.05
42.30	07.40	400	28.00	3 01.00
43.50	06.50	500	31.05	57.25
45.00	06.00	600	34.15	53.55
46.25	05.05	700	37.25	50.40
47.40	04.12	800	40.35	47.25
49.00	03.15	900	44.10	44.15
50.20	02.15	1000	47.50	40.55
51.40	01.15	1100	51.40	37.25
53.00	11.00.15	1200	55.30	33.55
54.30	59.10	1300	59.20	30.20
56.00	58.00	1400	12.02.50	27.05
		1500	06.20	23.40
		1600	09.55	20.15
		1700	13.40	16.50
		1800	17.15	13.20
		1900	21.00	09.50
		2000	24.50	06.15
		2100	28.50	2.02.30
		2200	32.35	58.30
		2300	36.40	54.00
		2400	40.30	48.30

Saw a large turtle near the ship

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

48.15 1.43.30

SERIAL TEMPERATURE,

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

REMARKS.

12 Cyclopterus lucas -  
2 Stomatodus

No. 2720 Date Sept. 19<sup>th</sup> 1886  
 Sigbee Machine. 2 Reel.

Turns 1400 Cor. + 109 Depth 1509

Shot ~~or lead~~ 35

Bottom gy. G.

Bottom temperature 37.5

No. of Thermometer 54822 Cor. -.5

Corrected temperature 37°

Air 76 Surface 75 Drift. 2.7 E x 7.1 N

Trawl or dredge or tangles Large Beam

Down. 1 1/2 feet NW (Mag)

## SOUNDING WIRE.

## DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3.16.10	49.00	0	3.54.00	7.54.00
17.15	48.15	100	57.30	5.20.00
18.25	47.30	200	4.00.10	4.19.00
19.35	46.45	300	02.25	4.15.00
20.40	46.00	400	05.25	4.11.00
21.55	45.10	500	08.30	3.7.00
23.00	44.20	600	11.25	3.4.00
24.15	43.25	700	14.25	3.0.00
25.35	42.30	800	16.40	2.7.30
26.50	41.30	900	20.10	2.3.35
28.15	40.30	1000	23.50	1.9.35
29.50	39.30	1100	27.20	1.6.00
31.25	38.25	1200	30.30	1.2.00
33.05	37.15	1300	33.50	0.7.45
34.50	36.00	1400	37.00	04.20
		1500	40.15	00.00
		1600	43.30	5.1.00
		1700	47.00	5.3.00
		1800	51.20	4.9.00
		1900	55.00	4.4.50
		2000	58.30	4.0.30
		2100	5.02.10	3.5.50
		2200	05.45	3.2.00
		2300	09.30	2.7.40
		2400	13.00	2.3.00

	2500	18.10 6-1 P.M.
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25			2.5	4
50			5.1	6.10
100			2.2	4.10
200		0.8 P.L.	2.1	4.10
300			1.6	
400			1.6	
500		2.4	2.5	4.15
600		1.6	1.6	
700			1.2	
800			1.2	
900			1.6	
1000				

REMARKS.

6 *Cyclothone luca*  
 1 New species allied to *proctothone*  
 46 *Stenotermis butrami* on  
 surface to electric light.



No. 2721 Date Sept. 20<sup>th</sup> 1886

Sigsbee Machine. 2 Reel.

Turns 750 Cor. + 63 Depth 813

Shot on board 35

Bottom gy. G.

Bottom temperature 38.8

No. of Thermometer 54822 Cor. -.5

Corrected temperature 38.3

Air 76 Surface 74 Drift. 1 m. N.W.

Trawl ~~or dredge or tangles~~ Large Beams

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.	SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
	UP.			DOWN.	UP.
4.53.30	16.20		0	6.02.00	5.0.00
55.00	15.30		100	06.20	44.00
56.30	14.45		200	09.00	38.00
57.45	14.00		300	12.30	32.15
59.15	13.15		400	16.20	26.20
5.00.30	12.20		500	19.25	18.45
02.15	11.30		600	22.50	11.00
04.00	10.30		700	26.00	8.00.00
05.50	06.30		800	29.50	53.20
			900	33.25	49.50
			1000	36.00	46.25
			1100	40.00	40.00
			1200	43.45	36.20
			1300	47.10	32.45
			1400	50.40	29.00
			1500	54.30	24.00
			1600	58.45	7.18.00
			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 TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
95				
50			5.2	16.00 (25)
100			1.4	
200			4.0	
300			4.5	
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

150 *Macurus fasciatus*. 36 Blue Hake  
1 Sole flounder, 1 Cottunculus  
1 Sternistid.  
2 Geryon. 3 Nabelum 2 *Phoronoma*  
Molluscan, Mollusca - Annelids

207  
 207  
 3-40  
 3560

No. 2722 Date Sept. 20 1886  
 Sigsbee Machine, 2 Reel.

Turns 510 Cor. + 54 Depth 594

Shot or lead 35 lb

Bottom gm M

Bottom temperature 44.5 m Register

No. of Thermometer 521822 Cor.

Corrected temperature

Air 70 Surface 73 Drift 3 m - W 1/2 W 1/2

Trawl or dredge or tangles Longs Beam

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
At 10				
9-55.00	10-50	0	9-33.00	32.45
56.20	09.45	100	36.40	28.45
57.30	08.40	200	41.00	24.45
57.40	08.00	300	44.30	20.45
7.00.30	07.00	400	47.45	17.10
02.15.0	05.50	500	51.20	13.45
03.10	05.25	600	53.50	
		700	57.10	09.20
		800	10.01.15	12.00.15
		900	10.41.15	55.30
		1000	10.57.20	51.00
		1100	10.59.00	11-48-00
		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 TEMPERATURE.

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

## REMARKS.

150 *Macurus bairdii*, 20 Blue Males  
 8 Pole flounders, 4 dog fish,  
 1 Cottunculus, 1 Carapodidae,  
 1 Pteropod. 1st Not recognized  
 3 Annelids, Shrimp, Mollusca  
 Holothurians, Annelids, Fishes

No. 2723 Date October 23 1886.

Sigsbee Machine. 2 Reel.

Turns 1566 Cor. + 119 Depth 1685

Shot or lead 35 lbs.

Bottom gy. Co. For.

Bottom temperature did not register

No. of Thermometer 4822 Cor.

Corrected temperature

Air 64 Surface 67 Drift. 1/2 W SW 3/4 W

Trawl or dredge or tangles Large Beam

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
-ann-				
1. 27. 00	21. 30	0	5. 42. 00	19. 20
28. 20	27. 40	100	45. 30	15. 50
30. 40	27. 00	200	40. 10	12. 10
4. 00	26. 15	300	32. 40	08. 45
40. 45	25. 30	400	26. 30	05. 05
44. 15	24. 40	500	6. 00. 15	10. 01. 30
45. 30	23. 45	600	03. 30	57. 45
47. 20	22. 40	700	00. 30	53. 55
49. 20	21. 25	800	10. 00	49. 50
51. 30	20. 25	900	14. 10	45. 45
53. 20	19. 25	1000	17. 50	41. 35
55. 10	18. 30	1100	23. 00	37. 30
56. 35	17. 25	1200	27. 15	33. 10
58. 30	16. 15	1300	31. 40	28. 45
59. 00. 20	15. 00	1400	36. 15	17. 05
01. 15	09. 00	1500	40. 40	13. 00
04. 00	05. 08. 15	1600	45. 05	08. 45
		1700	49. 30	04. 40
		1800	54. 00	9 00. 30
		1900	58. 20	56. 20
		2000	7. 02. 45	52. 00
		2100	00. 00	47. 50
		2200	09. 00	43. 45
		2300	13. 20	39. 00
		2400	18. 00	34. 00

Wine stranded at 1326 fms  
 1 glass float - duplicate

2500	7.23.00	8.28.00
2600		
2700		
2800		
2900		
3000		
3100		
3200		
3300		
3400		
3500		
3600		
3700		
3800		
3900		
4000		

cut off 11 fms of dredge rope

SERIAL TEMPERATURE.

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

REMARKS.

Uccinum - Thalassium - Spongia  
 Siphonaria - 1 large bryozoan  
 - a few radiolarians - great  
 number of a quaternary.

No. 2724 Date October 23<sup>rd</sup> 1886

Sigsbee Machine. 2 Reel.

Turns 1525 Cor. + 116 Depth 1641

Shot or lead 35 lbs.

Bottom gy. Oz. For.

Bottom temperature 36.9

No. of Thermometer 54822 Cor. -6

Corrected temperature 36.3

Air 69 Surface 68 Drift 2 Rnts WSW

Trawl or dredge or tangles Large Beam

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
10.56.00	32.40	0	12.02.30	06.20
57.00	31.50	100	07.30	43.00
58.00	31.10	200	12.15	40.00
59.05	30.20	300	15.45	36.30
11.00.10	29.35	400	18.50	32.50
.01.25	28.45	500	22.30	29.30
02.45	27.50	600	27.30	27.30
04.00	26.50	700	32.50	24.30
05.15	25.50	800	35.00	21.10
06.30	24.45	900	39.00	18.00
07.50	23.45	1000	43.00	12.20
09.15	22.45	1100	47.00	11.15
10.45	21.30	1200	51.00	08.00
12.15	20.15	1300	54.10	00.30
13.45	19.00	1400	1.32.00	4.01.00
15.25	17.00	1500	35.45	57.10
		1600	39.30	53.10
		1700	42.40	49.05
		1800	46.10	44.45
		1900	50.25	40.25
		2000	54.15	36.10
		2100	58.25	32.00
		2200	2.02.10	27.45
		2300	05.45	22.45
		2400	09.30	17.15

12.02.30  
 2.05.30  
 2.07.00  
 12.24.00  
 1.27  
 1.30  
 63

Bottom strand of rope at 1325 fms.

2460  
~~2500~~  
 2600  
 2700  
 2800  
 2900  
 3000  
 3100  
 3200  
 3300  
 3400  
 3500  
 3600  
 3700  
 3800  
 3900  
 4000

12.5 3.14.00

SERIAL TEMPERATURE,

DEPTH	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	52.5	570506'	-2	52.3
50		54823'		21 R
100	52.2	570572'	-3	52.0
200		52782'		21 R
300	41.5	54817'	-0	40.9
400	40.3	57251'	-2	40.0
500	39.2	54822'	-4	39.2
600	39.2	50503'	-3	39.4
700	39.5	57260'	-6	38.9
800	39.	52728'	-2	39.2
900	39.2	57264'	-6	39.0
1000	38.2	07258'	-4	38.4

REMARKS.

Macrurus - 2 sp. fish probably new  
 1 species - fine holothurian and  
 starfish - (about the squid at night)



No. 21725 Date October 24<sup>th</sup> 1886

Sigsbee Machine. Reel.

Turns 1273 Cor. + 101 Depth 1374

Shot or lead 35 lbs.

Bottom gy. Co. For.

Bottom temperature 37.8

No. of Thermometer 54822 Cor. - 6

Corrected temperature 37.2

Air 65 Surface 68 Drift. 1/2 m. West

Trawl or dredge or tangles L. B.

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
5.03.	39.55	0	5.54.00	10-00 00
04.10	38.50	400	58.30	06-50
05.25	37.45	500	6.04.00	53.30
06.30	36.35	600	07.30	49.00
07.50	35.25	700	11.25	40.00
09.15	34.15	800	15.00	31.30
10.45	33.10	900	18.30	27.30
12.05	32.00	1000	22.30	20.00
13.45	30.50	1100	26.30	14.20
15.00	29.30	1200	30.15	08.40
16.40	28.10	1300	34.05	02.15
18.15	26.50	1400	38.10	18.10
20.00	25.20	1500	41.40	13.00
		1600	45.50	09.15
		1700	50.50	05.00
		1800	54.30	00.30
		1900	58.45	56.30
		2000	7.02.10	52.15
		2100	06.15	48.00
		2200	10.30	43.00
		2300	14.25	39.00
		2400	18.45	33.40.

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	55-4
	3300	71845-
	3400	<u>1,24,45</u>
	3500	
	3600	84.75-
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		547	2.1	22.0/24
50		1654		
100		4260		
200		3281		
300		3282		
400				
500				
600				
700				
800				
900				
1000				

REMARKS,

Blue shale - Yencocannus -  
 Bathycannus - fine strata -  
 some of the strata - fine strata -  
 stratified - soft coral - great number  
 of living - fine strata coral

No. 2726 Date Oct. 20/16

Machine, 3 Reel.

Turns 1058 Cor. + 75 Depth 1253

Shot or lead 30 lb

Bottom gy. G.

Bottom temperature 38-

No. of Thermometer 52522 Cor. 0.5

Corrected temperature 37.5

Air 64 Surface 64 Drift, 1 mi - 4 mi

Trawl or dredge or tangles Large beam

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
10-37.00	02.10.00	0	10-37.00	
39.00	02.10.00	100	11-00.00	
57.00	02.28.00	200	12-00.00	
75.00	02.46.00	300	13-00.00	
93.00	03.04.00	400	14-00.00	
111.00	03.22.00	500	15-00.00	
129.00	03.40.00	600	16-00.00	
147.00	03.58.00	700	17-00.00	
165.00	04.16.00	800	18-00.00	
183.00	04.34.00	900	19-00.00	
201.00	04.52.00	1000	20-00.00	
219.00	05.10.00	1100	21-00.00	
237.00	05.28.00	1200	22-00.00	
		1300	23-00.00	2. 05.00
		1400	24-00.00	27.10
		1500	25-00.00	30.10
		1600	26-00.00	33.20
		1700	27-00.00	36.20
		1800	28-00.00	39.10
		1900	29-00.00	42.00
		2000		
		2100		
		2200		
		2300		
		2400		

Chain parted - lowering 12 1/2 fms. of  
 wire, 1 lb. Trawl, 1 lb. Trawl net  
 3 Trawl weights, 1 Bush dredge &  
 mud bag, 1 lb. lead. Manual. Shore No.

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

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
45				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 2727 Date Oct 24/86

Machine. 2 Reel.

Turns/145 Cor. + 94 Depth 1239

Shot or lead 35 lb

Bottom gy S

Bottom temperature 38.

No. of Thermometer 34822 Cor. - 0"

Corrected temperature 37.65

Air 67 Surface 68 Drift. 1 m. West

Trawl or dredge or tangles Large beam

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3-13-22	23-45	0	4-09-00	26-00
16-18	23-35	100	11-50	32-45
17-30	23-27	200	14-45	19-35
19-00	21-35	300	18-00	16-20
20-30	20-55	400	21-15	12-50
22-00	20-17	500	24-40	09-00
23-05	19-15	600	28-20	04-45
24-15	18-25	700	32-50	7-09-25
27-55	17-25	800	37-15	56-15
29-15	16-25	900	41-45	52-05
30-00	15-20	1000	46-35	47-50
32-00	14-30	1100	50-00	43-35
		1200	53-10	39-20
		1300	57-10	35-00
		1400	5-00-10	31-45
		1500	01-15	27-30
		1600	07-40	23-20
		1700	13-45	19-10
		1800	19-00	15-00
		1900	24-00	11-30
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

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

REMARKS

Specimens - *Stomatopoda* - Blue  
 Inks - *Large Amphipoda* -  
*Limnocolletidae* - *Stomatopoda*  
*Stomatopoda* - *Stomatopoda* -  
*Stomatopoda*

No. 2728 Date Oct-25-86

Sigsbee Machine. 2 Reel.

Turns 792 Cor. + 67 Depth 859

Shot or lead 35

Bottom gy S g.

Bottom temperature 39.

No. of Thermometer 24522 Cor. -.6°

Corrected temperature 38.5°

Air 66 Surface 67 Drift. 1 2m 2m 2m

Trawl or dredge or tangles Large Beam

## SOUNDING WIRE.

## DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
0-00	32 00	0	5-25.00	14.00
01-00	31 55	100	50.15	10.40
02-00	30 00	200	54.30	07.20
03-15	29 00	300	57.50	05.20
05-00	28 10	400	6-00.00	02.20
07-00	27 10	500	04.00	57.30
09-00	26 10	600	07.50	55.15
11-15	25 00	700	11.35	52.15
13-00	24 00	800	14.30	49.00
		900	18.30	45.40
		1000	22.40	42.15
		1100	27.25	39.40
		1200	32.30	36.45
		1300	35.45	34.00
		1400	39.30	31.00
		1500	44.30	28.15
		1600	49.25	25.15
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

1  
 2  
 3  
 4  
 5  
 6  
 7  
 8  
 9  
 10  
 11  
 12  
 13  
 14  
 15  
 16  
 17  
 18  
 19  
 20  
 21  
 22  
 23  
 24  
 25  
 26  
 27  
 28  
 29  
 30  
 31  
 32  
 33  
 34  
 35  
 36  
 37  
 38  
 39  
 40  
 41  
 42  
 43  
 44  
 45  
 46  
 47  
 48  
 49  
 50  
 51  
 52  
 53  
 54  
 55  
 56  
 57  
 58  
 59  
 60  
 61  
 62  
 63  
 64  
 65  
 66  
 67  
 68  
 69  
 70  
 71  
 72  
 73  
 74  
 75  
 76  
 77  
 78  
 79  
 80  
 81  
 82  
 83  
 84  
 85  
 86  
 87  
 88  
 89  
 90  
 91  
 92  
 93  
 94  
 95  
 96  
 97  
 98  
 99  
 100  
 101  
 102  
 103  
 104  
 105  
 106  
 107  
 108  
 109  
 110  
 111  
 112  
 113  
 114  
 115  
 116  
 117  
 118  
 119  
 120  
 121  
 122  
 123  
 124  
 125  
 126  
 127  
 128  
 129  
 130  
 131  
 132  
 133  
 134  
 135  
 136  
 137  
 138  
 139  
 140  
 141  
 142  
 143  
 144  
 145  
 146  
 147  
 148  
 149  
 150  
 151  
 152  
 153  
 154  
 155  
 156  
 157  
 158  
 159  
 160  
 161  
 162  
 163  
 164  
 165  
 166  
 167  
 168  
 169  
 170  
 171  
 172  
 173  
 174  
 175  
 176  
 177  
 178  
 179  
 180  
 181  
 182  
 183  
 184  
 185  
 186  
 187  
 188  
 189  
 190  
 191  
 192  
 193  
 194  
 195  
 196  
 197  
 198  
 199  
 200  
 201  
 202  
 203  
 204  
 205  
 206  
 207  
 208  
 209  
 210  
 211  
 212  
 213  
 214  
 215  
 216  
 217  
 218  
 219  
 220  
 221  
 222  
 223  
 224  
 225  
 226  
 227  
 228  
 229  
 230  
 231  
 232  
 233  
 234  
 235  
 236  
 237  
 238  
 239  
 240  
 241  
 242  
 243  
 244  
 245  
 246  
 247  
 248  
 249  
 250  
 251  
 252  
 253  
 254  
 255  
 256  
 257  
 258  
 259  
 260  
 261  
 262  
 263  
 264  
 265  
 266  
 267  
 268  
 269  
 270  
 271  
 272  
 273  
 274  
 275  
 276  
 277  
 278  
 279  
 280  
 281  
 282  
 283  
 284  
 285  
 286  
 287  
 288  
 289  
 290  
 291  
 292  
 293  
 294  
 295  
 296  
 297  
 298  
 299  
 300  
 301  
 302  
 303  
 304  
 305  
 306  
 307  
 308  
 309  
 310  
 311  
 312  
 313  
 314  
 315  
 316  
 317  
 318  
 319  
 320  
 321  
 322  
 323  
 324  
 325  
 326  
 327  
 328  
 329  
 330  
 331  
 332  
 333  
 334  
 335  
 336  
 337  
 338  
 339  
 340  
 341  
 342  
 343  
 344  
 345  
 346  
 347  
 348  
 349  
 350  
 351  
 352  
 353  
 354  
 355  
 356  
 357  
 358  
 359  
 360  
 361  
 362  
 363  
 364  
 365  
 366  
 367  
 368  
 369  
 370  
 371  
 372  
 373  
 374  
 375  
 376  
 377  
 378  
 379  
 380  
 381  
 382  
 383  
 384  
 385  
 386  
 387  
 388  
 389  
 390  
 391  
 392  
 393  
 394  
 395  
 396  
 397  
 398  
 399  
 400

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

SERIAL TEMPERATURE,

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

REMARKS

1. Blank day fish - 1 Bu. to start -  
 2. Lard - 1 lb. to start - 1 lb. to start -  
 3. Flour - 1 lb. to start - 1 lb. to start -  
 4. Sugar - 1 lb. to start - 1 lb. to start -  
 5. Soft wax - 1 lb. to start - 1 lb. to start -  
 6. Tallow - 1 lb. to start - 1 lb. to start -  
 7. Butter - 1 lb. to start - 1 lb. to start -  
 8. Oil - 1 lb. to start - 1 lb. to start -  
 9. ...



No. 2729 Date October 25<sup>th</sup> 1886

Sigsbee Machine. 2 Reel.

Turns 625 Cor. + 54 Depth 679

Shot or lead 35 lbs.

Bottom dk. gn. M. S. Foram.

Bottom temperature 39.

No. of Thermometer 54822 Cor. - 0

Corrected temperature 39.5

Air 70 Surface 68 Drift. 1 m. N. E.

Trawl or dredge or tangler Large Beam

## SOUNDING WIRE.

## DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8.50.00	06.40	0	9.10.30	20.30
01.05	06.05	100	15.45	27.15
02.40	05.20	200	20.50	24.15
04.05	04.35	300	25.00	20.55
05.35	03.45	400	28.50	17.30
07.05	02.50	500	32.30	14.05
08.15	01.25	600	35.00	10.40
		700	39.35	07.00
		800	43.00	11.03.15
		900	46.25	59.10
		1000	49.50	55.10
		1100	53.20	50.45
		1200	57.00	46.00
		1300	10.00.45	10.41.00
		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 TEMPERATURE,

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

## REMARKS

Temperature in the blue hole  
 1000 ft - 36.5°C - soft wood -  
 2000 ft - 36.5°C - soft wood -  
 3000 ft - 36.5°C - soft wood -

No. 2720 Date October 25<sup>th</sup> 1886

Sigsbee Machine. 2 Reel.

Turns 670 Cor. + 57 Depth 727

~~Lead~~ lead 35 lbs.

Bottom gn M. For.

Bottom temperature 39

No. of Thermometer 54877 Cor. - 5

Corrected temperature 38.5

Air 70 Surface 69 Drift.  $\frac{3}{4}$  m. North.

Trawl or dredge or tangles Large Brown

## SOUNDING WIRE.

## DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
12.04.30	21.55	0	12.28.30	7.39.10
05.45	21.00	100	12.32.00	7.35.55
07.00	20.10	200	12.35.35	7.32.45
08.20	19.25	300	12.39.10	7.29.10
09.45	18.35	400	12.42.40	7.25.35
11.15	17.40	500	12.46.15	7.22.00
12.50	16.30	600	12.50.00	7.18.25
	12.15.50	700	12.53.55	7.14.35
		800	12.57.15	7.10.55
		900	1.00.45	7.07.30
		1000	1.04.15	7.03.40
		1100	1.07.50	6.59.50
		1200	1.11.45	6.56.00
		1300	1.16.00	6.51.50
		1400	1.20.35	6.47.30
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

<i>25-3000 fathoms deep water</i> <i>Temperature</i>	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

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

REMARKS.

*all animals - blue hole - hole  
 provided - large shrimps' eggs -  
 fish - large - shells on  
 surface*

No. *2731* Date *October 25 1886*

*Sigsbee* Machine. *2* Roll.

Turns Cor. + *10* Depth

Shot or lead *35 lbs*

Bottom

Bottom temperature

No. of Thermometer *54877* Cor.

Corrected temperature

Air Surface Drift.

Trawl or dredge or tangles *Large Beam*

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>3</i>	<i>18.00</i>	0		
	<i>19.05</i>	100		
	<i>20.10</i>	200		
	<i>21.20</i>	300		
<i>Wire parted at 382 fms</i>		400		
<i>11-85 Thermometer for No. 54877</i>		500		
<i>25 lb. lead and 1 brass lead.</i>		600		
<i>Lock</i>		700		
<i>Improved Case</i>		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



No. 2731 Date October 25 1886.

Sigsbee Machine. 2 Reel.

Turns 725 Cor. + 56 Depth 781

Shot or lead 35 lbs.

Bottom gy. Oz.

Bottom temperature 39

No. of Thermometer 50303 Cor. -.5°

Corrected temperature 38.5°

Air 70 Surface 69 Drift. 1/2 N X E

Trawl or dredge or tangles Large Beam

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2. 42. 30	04.00	0	4. 12.00	44.00
45. 35	03.05	100	16.00	40.20
42. 35	02.10	200	19.50	36.50
48. 10	01.15	300	23.10	32.40
49. 40	00.00	400	26.10	28.40
51. 15	59.05	500	29.50	24.45
52. 05	57.55	600	33.50	20.45
54. 15	57.00	700	37.40	16.40
		800	41.50	11.10
		900	45.40	05.40
		1000	48.50	00.50
		1100	53.10	56.15
		1200	57.40	52.40
		1300	5. 01.45	48.00
		1400	05.30	43.30
		1500	10.05	5. 37.30
		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 TEMPERATURE.

DEPTH.	TIME.	NO. OF THER.	COR.	COR. TEMP.
75				
50				
100				
200				
300				
400				
500				
600				
700	<i>Several shoes came up in the trawl</i>			
800				
900				
1000				

REMARKS.



No. 2732 Date October 26 1886.

Sigsbee Machine. 2 Reel.

Turns 1074 Cor. + 78 Depth 1152

Shot ~~or lead~~ 35 lbs.

Bottom dk. gn. M.

Bottom temperature 38.5

No. of Thermometer 50303 Cor. - 2

Corrected temperature 38°

Air 67 Surface 68 Drift 1/2 W 8 2 W

Trawl or dredge or tangles Large Beam

## SOUNDING WIRE.

## DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN. Hrs.	UP.		DOWN.	UP.
5. 01. 30	30. 10	0	6. 09. 00	20. 30
02. 40	29. 35	100	15. 00	17. 30
03. 50	28. 50	200	20. 00	14. 30
05. 05	28. 05	300	24. 10	11. 30
06. 25	27. 15	400	27. 40	08. 15
07. 50	26. 25	500	31. 15	05. 45
09. 20	25. 35	600	34. 55	02. 40
10. 55	24. 45	700	38. 45	59. 30
12. 20	23. 50	800	42. 35	56. 20
14. 20	22. 50	900	46. 20	53. 05
16. 10	21. 45	1000	50. 05	49. 40
17. 30	20. 00	1100	54. 00	46. 15
		1200	57. 50	43. 20
		1300	7. 01. 50	39. 50
		1400	05. 00	36. 15
		1500	10. 10	32. 30
		1600	14. 10	29. 00
		1700	17. 55	8. 23. 00
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE,

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

REMARKS.

Number of bottles stored in the lake - decussans -  
 Anabaena - Schizothrix -  
 Aphanizomenon - Sphaerocystis

No. 2733 Date October 26<sup>th</sup> 1886

Sigsbee Machine. 2 Reel.

Turns 878 Cor. + 66 Depth 944

~~Shot or lead~~ 35 lb.

Bottom gn. M.

Bottom temperature 38.8

No. of Thermometer 50303 Cor. - 5

Corrected temperature 38.3

Air 71 Surface 68 Drift. 2 miles SW NW.

Trawl or dredge or tangles Large Beam

Count 1/2  
North

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
9.54.45	16.10	0	10.19.00	05.00
55.50	15.10	100	22.20	1 02.20
56.55	14.20	200	25.20	59.30
58.05	13.25	300	28.20	56.15
59.15	12.25	400	31.50	53.05
10.00.30	11.25	500	35.20	49.45
01.40	10.20	600	39.00	46.25
03.00	09.10	700	42.50	43.00
04.20	08.00	800	46.30	39.25
		900	49.50	36.10
		1000	54.30	32.30
		1100	58.00	28.45
		1200	11.01.45	25.05
		1300	06.45	20.45
		1400	10.20	16.30
		1500	14.15	12.11.00
		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 TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800	Large number of brittle stars			
900				
1000				

REMARKS:

Polinae class - *serripes*  
*serripes* - 2 specimens taken  
*serripes* - 1 taken - *serripes*  
 all by *serripes* corals -

No. 2734 Date October 26<sup>th</sup> 1886

Sigsbee Machine. 2 Reel.

Turns 781 Cor. + 60 Depth 841

~~Shot~~ or lead 35 lbs

Bottom gn. M. sft.

Bottom temperature 39

No. of Thermometer 50303 Cor. - 1

Corrected temperature 38.5

Air 71 Surface 68 Drift. 1/2<sup>m</sup> WSW

Trawl or dredge or tangles Large Beam

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
1.27.15	49.30	0	1.52 -	30.00
28.30	48.30	100	.56.	31-30
29.35	47.20	200	2.00.30	28.25
30.40	46.15	300	03.05	29.50
31.50	45.10	400	06.40	33.05
33.00	44.00	500	10.00	20.00
34.20	42.40	600	14.00	17.00
35.40	41.20	700	19.00	14.00
		800	23.20	10.30
		900	27.45	07.15
		1000	31.30	4.03.25
		1100	35.30	59.15
		1200	39.30	55.15
		1300	44.00	51.30
		1400	49.00	47.40
		1500	53.00	3.42.55
		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 TEMPERATURE,

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

REMARKS,

*On the surface of the water the temperature was 25.00 C. at 1000 meters depth.*

38.00  
 7.13  
 30.87

*AM*

No. 2735 Date Oct 26 1886

Sigsbee Machine. 2 Reel.

Turns 753 Cor. + 58 Depth 811

~~Shot or lead~~ 55 lb

Bottom sp. gn M.

Bottom temperature 39

No. of Thermometer 50303 Cor. - 0

Corrected temperature 38.5

Air 71 Surface 68 Drift. 1/4 m. SW

~~Trawl or dredge or tangles~~ Long Beam

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
36.30	51.00.00	0	4.50.00	32.10
37.30	58.50	100	5.03.15	29.00
38.20	55.30	200	06.50	26.00
39.50	54.20	300	10.25	23.05
40.25	53.10	400	13.30	20.00
42.30	52.10	500	16.00	17.00
44.30	49.50	600	20.00	13.35
45.50	49.45	700	23.10	10.10
		800	27.10	06.25
		900	30.30	7.02.30
		1000	33.45	58.10
		1100	37.10	55.10
		1200	42.05	51.30
		1300	46.30	47.00
		1400	51.30	42.35
		1500	55.15	6.37.30
		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 TEMPERATURE.

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

## REMARKS.

~~Temperature 1700 feet~~  
 (Temperature) 1700 feet  
 A note for water - from  
 below  
 (Stratification may be seen)



507. *561*

No. *2736* Date *April 8<sup>th</sup> 1887*  
*Hand Lead Machine.* Reel.

Turns Cor. + Depth *11*

Shot or lead

Bottom

Bottom temperature

No. of Thermometer Cor.

Corrected temperature

Air Surface Drift.

Trawl or dredge or tangles *Small beam*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	<i>Sur</i>	
		<i>420</i>	<i>17.00.00</i>	<i>12.30</i>
		200	<i>0.50.11</i>	<i>10.10</i>
		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 TEMPERATURE.

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

REMARKS.

many ~~fish~~ swimming, few lake, 7 o'clock.

*S.P.*

No. *2737* Date *April 8<sup>th</sup> 1887*

*Hand Lead* Machine. Reel.

Turns Cor. = Depth *12*

Shot or lead

Bottom

Bottom temperature *not*

No. of Thermometer *not* Cor.

Corrected temperature

Air Surface Drift.

Trawl or dredge or tangles *Small beam*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	<i>AM</i>	
		<i>4.0</i>	<i>11.17.30</i>	<i>27.30</i>
			<i>20.40</i>	<i>25.45</i>
		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 TEMPERATURE.

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

REMARKS.

Large amount of shipping. Occasional  
 sponges Hydroids. Hake  
 & sole

*W. M. M.*

No. *2738* Date *Sept. 16th 1897*

*Sigsbee* Machine. *Bar* Reel.

Turns *930* Cor. + *28* Depth *958*

Shot or lead *35*

Bottom *br Oz.*

Bottom temperature *38*

No. of Thermometer *61597* Cor. *-.1*

Corrected temperature *37.9*

Air *70* Surface *70* Drift. *1 m. N. x W.*

Trawl or dredge or tangles *Large Beacon*

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>06-10</i>	<i>06-55</i>	0	<i>3. 12 00</i>	
<i>06-20</i>	<i>05-55</i>	100	<i>19 00</i>	<i>6. 20 00</i>
<i>07-25</i>	<i>05-05</i>	200	<i>25 00</i>	<i>58. 00</i>
<i>08-30</i>	<i>04-10</i>	300	<i>28 00</i>	<i>55. 00</i>
<i>09-40</i>	<i>03-15</i>	400	<i>32 00</i>	<i>52 00</i>
<i>10-50</i>	<i>02-15</i>	500	<i>38 00</i>	<i>49 00</i>
<i>11-50</i>	<i>01-25</i>	600	<i>42 00</i>	<i>46 00</i>
<i>12-50</i>	<i>00-30</i>	700	<i>48 30</i>	<i>43 00</i>
<i>13-55</i>	<i>00-00</i>	800	<i>53 00</i>	<i>40 15</i>
<i>14-30</i>	<i>57 00</i>	900	<i>58 00</i>	<i>37 00</i>
		1000	<i>02 00</i>	<i>34 00</i>
		1100	<i>08 30</i>	<i>30 00</i>
		1200	<i>13 00</i>	<i>25 00</i>
		1300	<i>19 00</i>	<i>19 00</i>
		1400	<i>26 00</i>	<i>14 00</i>
		1500	<i>30 30</i>	<i>09 15</i>
		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 TEMPERATURE,

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

REMARKS.

One surface temperature (and wind) only

No. *Hyd 1090*Date *Sept. 17 1887**Sigsbee* Machine. *B.* Reel.Turns *345* Cor. + *7*Depth *352*~~Shot~~ or lead *35*Bottom *Sand*Bottom temperature *39.5*No. of Thermometer *61597* Cor. - *1*

Corrected temperature

*39.4*Air *64* Surface *70* Drift.Trawl or dredge or tangles *Large Beam*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>5.25.00</i>	<i>5:32:45</i>	0		
<i>27.35</i>	<i>33.00</i>	100		
<i>28.50</i>	<i>35.00</i>	200		
<i>30.00</i>	<i>36.50</i>	300		
<i>31.45</i>	<i>37.40</i>	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 TEMPERATURE,

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

REMARKS



No. 2739 Date Sept 17, 1887  
 Sigbee's Machine. B. Reel.

Turns 789 Cor. + 22 Depth 811

Shot or lead 35

Bottom *Sagell.*

Bottom temperature 38.02

No. of Thermometer 61597 Cor. -1

Corrected temperature 38°.1

Air 65 Surface 69 Drift. *1/2 N. 1/2 W.*

Trawl or dredge or tangles *Large brass*

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
7.30.00	7.46.00	0	8.03.15	51.45
7.35.00	47.30	100	0.00	48.45
7.36.00	48.45	200	15.00	46.00
37.35	49.02	300	20.25	43.15
38.20	50.00	400	24.45	40.30
39.30	51.45	500	29.15	37.30
40.45	52.35	600	33.15	34.35
42.00	53.15	700	37.30	31.05
44.00	46.25	800	41.00	28.30
		900	45.20	25.10
		1000	50.10	21.45
		1100	54.10	18.00
		1200	58.10	13.50
		1300	9.01.50	09.00
		1400	05.30	10.03.35
		1500	09.40	58.05
		1600	13.20	9.52.15
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Average temperature is 27.5  
 according to

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

SERIAL TEMPERATURE,

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

REMARKS,

Number of fish, few  
 crustaceans and a number of  
 carp would catch mollusks

No. 2740 Date Sept. 17<sup>th</sup> 1889

Machine. Reel.

Turns 981 Cor. + 30 Depth 10 1/2

Shot or lead 35

Bottom br. Oz.

Bottom temperature 38

No. of Thermometer 61597 Cor. -1

Corrected temperature

Air 65 Surface 70 Drift. 1 1/2 m. N. W. x N.

Trawl or dredge or tangles Large Beam

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
11.28.45	47-	0	11.52.30	
30.00	46-	100	57.25	09.25
31.10	45.25	200	12.00.30	07.25
32.10	44.45	300	03.00	04.50
33.25	44.05	400	06	3 42-25
34.30	43.20	500	09.45	59.30
35.40	42.35	600	14.10	56.45
37.50	41.45	700	17.40	53.50
38.55	41.00	800	21.20	51.15
		900	25.00	48.30
		1000	28.40	45.45
		1100	33.20	43.15
		1200	38.00	40.35
		1300	41.35	38
		1400	45.25	35.00
		1500	49.00	32.15
		1600	52.00	29.30
		1700	57.30	26.45
		1800	1.00.15	24.00
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE,

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

## REMARKS,

Lat. 37° 00' N. Long. 122° 00' W.  
 46 fms. 2500 fms. 5000 fms.  
 10000 fms. 12 fms. off surface.  
 2000 fms. from 2500 fms. 3 fms. 10000

No. 2741

Date Sept. 17 4 1887

Sigsbee

Machine <sup>30</sup> or Reel.

Turns 828 Cor. + 24 Depth 852

~~Shot~~ or lead 35

Bottom gn m-

Bottom temperature 38

No. of Thermometer 61597 Cor. - 1

Corrected temperature

Air 64 Surface 70 Drift. 1/2 W. N.

Trawl or dredge or tangles Large Beam.

## SOUNDING WIRE.

## DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3. 15. 00	31 00	0	3. 29. 20	58.30
16. 10	30. 20	100	52. 50	.55.25
17. 10	30. 00	200	57. 50	.52.35
18. 00	29. 00	300	2 01. 15	49.48
17. 00	28. 10	400	.06.00	.47.00
20. 40	27. 25	500	.09.15	43.30
21. 25	26. 20	600	.12.30	40.15
23. 20	25. 10	700	.16.48	.36.50
24. 20	24. 40	800	.19.15	33.35
		900	.24.15	30.00
		1000	.27.30	27.40
		1100	.31.02	23.15
		1200	.34.30	20.00
		1300	.37.45	5.15.00
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

More surface net  
while dredging.

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

SERIAL TEMPERATURE,

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

REMARKS

1 Octopus, Limb and coral  
als, several soft corals, few  
shrimps, shells, hydroids,  
few hake, red hake, number  
of amphipods.

No. 2742 Date Sept. 17<sup>th</sup> 1887.  
 Sigbee Machine *Pr* Reel.

Turns 840 Cor. + 25 Depth 865

Shot or lead 35

Bottom *sn. M.*

Bottom temperature 38

No. of Thermometer 61597 Cor. - .1

Corrected temperature

Air 64 Surface 69 Drift *1/4 NW x N*

Trawl or dredge or tangles *Large Beam*

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
<i>pm</i> 6.03.30	<i>pm</i> 20.00	0	<i>pm</i> 6.25.00	58.45
.04.80	.19.20	100	.29.45	54.45
.05.30	.18.15	200	.32.45	51.25
.06.30	.17.30	300	.35.00	47.55
.07.25	.16.30	400	.38.15	44.15
.08.30	.15.30	500	.41.45	40.35
.09.30	.14.00	600	.45.00	37.10
.10.45	.12.30	700	.49.15	33.30
.11.30	.11.35	800	.52.30	30. —
		900	.55.45	26.50.
		1000	.59.30	23.30
		1100	7.04.00	20. —
		1200	.09.00	16.25
		1300	.13.30	8.12. —
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*Three barrel rock  
drudging.*

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

SERIAL TEMPERATURE,

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

REMARKS,

*Large number of fish, especially within 200 yards of bottom.*



*W. H. S.*

No. 1091

Date Sep 18 4 1887

*Sigsbee* Machine. S. & Reel.

Turns 258 Cor. + 5 Depth 255

Shot or lead 35 lb

Bottom gy S

Bottom temperature 21

No. of Thermometer 61097 Cor. -1

Corrected temperature 40° 9

Air 62 Surface 68 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
06.30	18.00	0		
07.30	16.30	100		
08.30	15.15	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 TEMPERATURE

DEPTH.	TEMP.	% OF FREE	(FOL)	COR. TEMP.
5				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 2748

Date Sept 18<sup>th</sup> 1887

System

Machine B &amp; B Reel.

Turns 1198 Cor. + 27 Depth 1155

Shot or lead 35 lb

Bottom gy. Oz.

Bottom temperature 37.2

No. of Thermometer 61077 Cor. - .1

Corrected temperature

Air 62 Surface 67 Drift. 1k. N. W.

Trawl or dredge or tangles Large Beam

## SOUNDING WIRE.

## DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7 26.30	53.30	0	51.00.00	56.50
27.50	52.30	100	03.30	54.50
29.00	51.35	200	12.25	51.00
30.05	50.35	300	16.25	48.15
31.15	49.55	400	20.15	45.15
32.20	48.55	500	23.35	43.00
33.35	47.55	600	27.30	40.00
34.55	46.05	700	30.30	37.00
35.55	45.55	800	34.30	34.00
37.00	45.25	900	38.15	31.30
38.00	43.35	1000	41.30	28.15
39.30	42.15	1100	44.25	25.25
		1200	48.15	22.15
		1300	52.30	19.00
		1400	57.00	16.45
		1500	9.00.30	12.10
		1600	104.10	08.30
		1700	08.10	04.30
		1800	10.20	10.01.00
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Lower surface - neck whale  
200-220 fms.

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

SERIAL TEMPERATURE.

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

REMARKS

Lower part shrimp.

No. 2744 Date Sept. 18, 1887

Sigsbee Machine, No. Reel.

Turns 540 Cor. + 14 Depth 554

Shot or lead 35 lbs.

Bottom Br. M.

Bottom temperature 39.

No. of Thermometer 61597 Cor. -1

Corrected temperature 38.9

Air 65 Surface 69 Drift.  $\frac{1}{2}$  m. N x E

Trawl or dredge or tangles Large Beam

## SOUNDING WIRE.

## DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11.30.00		0	11.48.00	3 40 -
31.30	43.45	100	.54.15	33.40
34.15	42.50	200	.56.30	29.15
35.30	42.05	300	.59.30	3 06.10
36.30	41.15	400	12.03.00	.59 -
37.45	40.15	500	.06.10	29.40
38.00	39.00	600	.09.30	26 -
		700	.13.00	22.30
		800	.16.15	08.50
		900	.20.40	.05. -
		1000	.25.15	1.00.20
		1100	.29.05	53.30
		1200	.33.10	12.50.00
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Found ammonia but no carbon  
 due to dry up

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

SERIAL TEMPERATURE.

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

REMARKS.

Small amount of no. 5, 12 pale  
 flammable gas, 10 specimens of  
 specimens, a few small shells.

No. 2745 Date Sept. 10 1887  
 Sigbee Machine. B & Reel.

Turns 220 Cor. + H Depth 224

~~Shot or lead~~ 35 lb

Bottom gn M.

Bottom temperature 41-8

No. of Thermometer 61597 Cor. - .1

Corrected temperature 41° .7

Air 67 Surface 68 Drift  $\frac{1}{2}$  m N 26.

Trawl or dredge or tangles Large Beam

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
3 56.30	02 20	0	4.20.00	5.02.30
57.25	01.50	100	20.00	59.00
58.15	01.00	200	26.20	56.30
		300	27.15	54.50
		400	28.10	51.15
		480	31.00	50.00
		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 TEMPERATURE,

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

REMARKS.

Few flakes, whitening, strings  
 apongs, and ...



657. *W*

No. 2746 Date Sep 18 1877

*Sigsbee* Machine, *2A* Reel.

Turns 100 Cor. 2 Depth 102

Shot or lead 35 lb

Bottom *gn s*

Bottom temperature 51.3

No. of Thermometer 61297 Cor. + .1

Corrected temperature 53.3

Air 65 Surface 68 Drift.  $\frac{3}{4}$  W

Trawl or dredge or tangles *Sigsbee*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>5. 04 30</i>	<i>05</i>	0	<i>5. 14. 00</i>	<i>25. 30</i>
<i>05 30</i>	<i>07 10</i>	100	<i>18. 20</i>	<i>207. 00</i>
		200	<i>21. 15</i>	<i>5<sup>th</sup> UP 40</i>
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

1000 surface = water surface

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

SERIAL TEMPERATURE.

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

REMARKS.

Drifting and have a few  
 scattered and irregular

No. 2747. Date Sept. 19<sup>th</sup> 1887.  
 Sigbee Machine 35 Reel.

Turns 1235 Cor. + 41 Depth 1276

Shot or lead 35 lbs.

Bottom Br. M.

Bottom temperature 37.5

No. of Thermometer 61957 Cor. -.1

Corrected temperature 37.4

Air 67 Surface 67 Drift. 1 mi South

Trawl or dredge or tangles Large Beam

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
am. 5.24.30	am. 45.20	0	am 6.05.00	am 13.50
25.30	44.15	100	.08.45	10.10
26.40	43.15	200	.12.40	07.20
28.00	42.30	300	.16.02	03.15
29.15	41.55	400	.19.40	01.15
32.30	41.15	500	.21.15	58 -
33.40	40.30	600	24.15	55.10
35.00	49.50	700	.27.15	52.10
36.15	49.00	800	.30.20	48.50
37.45	48.00	900	.33.35	45.35
39.00	47.10	1000	37.30	42.15
40.30	46.15	1100	41.10	38.45
42.00	45.10	1200	44.45	35.15
42.50	43.15	1300	48.50	31.40
		1400	.52.35	28.20
		1500	.56.45	25.05
		1600	7.00.00	21.50
		1700	.03.50	18.10
		1800	.07.45	14.10
		1900	.12.00	8.32.15
		2000		
		2100		
		2200		
		2300		
		2400		

*Temperature in ice not visible  
during*

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

SERIAL TEMPERATURE.

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

REMARKS.

*A few species of small fish and zooplankton.*

No. 2748 Date Sept 19<sup>th</sup> 1897  
 Sigbee Machine. Reel.

Turns 1126 Cor. + 37 Depth 1163

Shot or lead 35 lb

Bottom gy. M. S. For.

Bottom temperature 37.8

No. of Thermometer 61597 Cor. -.1

Corrected temperature 37.7

Air 72 Surface 68 Drift. <sup>m</sup> West-

Trawl or dredge or tangles Large Beam

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
10.26.25	47.30	0	10.59.00	59.15
27.35	46.55	100	57.40	57.15
28.30	46.20	200	11.01 -	55.50
29.30	45.45	300	03.25	51.50
30.30	45.05	400	06.10	49.00
31.30	44.20	500	08.50	45.15
32.30	43.25	600	12 -	41.55
33.40	42.50	700	15 -	38.15
34.45	42 -	800	19.	36.10
35.55	41.10	900	22.40	33.20
37.05	40.20	1000	26.30	29.30
38.20	39.20	1100	30.25	26.30
		1200	34.15	22.25
		1300	37.10	18.25
		1400	41 -	15.25
		1500	45.30	11.25
		1600	49.45	07.10
		1700	53.50	02.50
		1750		
		1800	56.15	10020
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Found a few out-er-bank shrimps

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

SERIAL TEMPERATURE.

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

REMARKS.

Saw fish, 2 octopi, a number of crabs, bottle stars 10 specimens drifting glass, and a number of shells

*[Signature]*

No. 2749 Date Sept. 19th 1887

Sigsbee Machine Reel.

Turns 687 Cor. + 18 Depth 705

Shot or lead 35 lb

Bottom gn. G.

Bottom temperature 38 E

No. of Thermometer 61597 Cor. -1

Corrected temperature 38.7

Air 69 Surface 67 Drift.

Trawl or dredge or tangles Large Beam.

SOUNDING WIRE.			DREDGE ROPE.	
DOWN.	UP.	TURNS.	DOWN.	UP.
3 02-30	10-15-0	0	3-20-00	56.15
03 25	11-05	100	25-20	51.00
04 25	12-10	200	27-20	45.45
05 25	12-15	300	31-15	40.45
06 25	11-15	400	34-15	35.35
07 25	10-20	500	37-00	30.00
08 25	09-20	600	40-15	24.00
		700	42-30	17.30
		800	47-05	13.15
		900	50-25	08.20
		1000	54-25	03.15
		1100	58-50	5.00.10
		1200	4.03.45	57-
		1300	.07.45	58.30
		1400	.12.05	48.30
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Hard surface - with white  
 dredging.

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

SERIAL TEMPERATURE.

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

REMARKS.

Macrurus Bairdii and blue  
 lake, few Calatharians, 3 spec-  
 imens. gummy greyish, heavy  
 load of mud.



*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 or tangles*

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

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 TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
75				
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 or tangles*

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 TEMPERATURE,

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 or tangles*

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

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 TEMPERATURE,

DEPTH.	FAMP.	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 or tangles*

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

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 TEMPERATURE.

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 or tangles*

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 TEMPERATURE.

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 or tangles*

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

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 TEMPERATURE.

DEPTH.	TEMP.	NO. OF THERM.	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 or tangles*

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

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 TEMPERATURE,

DEPTH.	TEMP.	NO. OF THERM.	COR.	DOB. 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 or tangles* \_\_\_\_\_

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 TEMPERATURE.

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 or tangles* \_\_\_\_\_

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 TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COO.	DIR. 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 or tangles* \_\_\_\_\_

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 or tangles*

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 TEMPERATURE,

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 or tangles*

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 TEMPERATURE

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 or tangles* \_\_\_\_\_

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 TEMPERATURE.

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

REMARKS



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

SERIAL TEMPERATURE.

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 or tangles*

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 TEMPERATURE,

DEPTH.	TENT.	NO. OF THERM.	DIR.	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 or tangles*

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

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 TEMPERATURE.

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

REMARKS







Correction Table - Part No. 2  
 Logarithmic Sounding Machine

Cor.	Turns	Cor.	Turns	Cor.	Turns
0	50	25	1300	83	2550
0	100	27	1350	86	2600
1	150	29	1400	89	2650
1	200	30	1450	92	2700
2	250	31	1500	95	2750
3	300	33	1550	98	2800
4	350	35	1600	101	2850
4	400	37	1650	104	2900
5	450	39	1700	107	2950
6	500	41	1750	110	3000
7	550	43	1800	113	3050
8	600	45	1850	116	3100
9	650	47	1900	120	3150
10	700	49	1950	124	3200
11	750	51	2000	128	3250
12	800	53	2050	132	3300
13	850	56	2100	136	3350
14	900	59	2150	140	3400
15	950	62	2200	144	3450
17	1000	65	2250	148	3500
19	1050	68	2300	152	3550
21	1100	71	2350	155	3600
22	1150	74	2400	159	3650
23	1200	77	2450	163	3700
24	1250	80	2500		

$$\frac{118}{22} = \frac{118}{22}$$

$$\frac{2726}{10} = 272.6$$

Car	Price
167	3750
171	3800
175	3850
179	3900
183	3950
187	4000
192	4050
197	4100
202	4150
207	4200

← correlation

$$\frac{34}{5}$$

$$779$$

$$\frac{171}{110} = 1.55$$

$$\frac{757}{22} = 34.4$$

$$\frac{171}{110}$$

$$\frac{171}{110}$$

$$\frac{1204}{22} = 54.7$$

$$124$$

$$\frac{171}{110}$$

$$\frac{787}{22} = 35.8$$

$$\frac{171}{110}$$

$$\frac{171}{110}$$

$$\frac{171}{110}$$