

2526 to 2550

Hyd. 525 to Hyd. 862

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



1885

507. SLP

No. Hyd. 825 Date July 13<sup>th</sup> 6:42 AM  
Tanner Machine. Reel.

Turns 83 Cor. 2 Depth 85

~~Shot~~ lead 18 lbs

Bottom Sand & gravel

Bottom temperature 43

No. of thermometer 53731 Cor. -.4

Corrected temperature 42.6

Air 62 Surface 60 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<u>6.41.20</u>	<u>44.30</u>	<u>0</u>		
<u>42.30</u>	<u>6.43.00</u>	<u>100</u>		
		<u>200</u>		
		<u>300</u>		
		<u>400</u>		
		<u>500</u>		
		<u>600</u>		
		<u>700</u>		
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		<u>2200</u>		
		<u>2300</u>		
		<u>2400</u>		



nr. *558*

No. *Hyd 826* Date *July 13<sup>th</sup> 6:51 AM.*

Tanner Machine. Reel.

Turns *80* Cor. *2* Depth *82*

~~Shot or lead~~ *18 lbs*

Bottom *Sand & gravel*

Bottom temperature *none taken*

No. of thermometer Cor.

Corrected temperature

Air *63* Surface *60* Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>6.50.40</i>	<i>53.00</i>	0		
<i>6.51.20</i>	<i>6.51.55</i>	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
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		2400		



2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURES

DEPTH	DATE	NO. OF THER.	USE	WIND DIR. & SPT.
45				
30				
141				
181				
240				
301				
361				
420				
480				
540				
600				
660				
720				
780				
840				
900				
960				
1020				

REMARKS:

307 SLP

No. Hyd 827 Date July 13 1904  
Tanner Machine. Reel.

Turns 79 Cor. 2 Depth 81

~~Shot or lead~~ 18 lbs.

Bottom Sand & gravel

Bottom temperature 42.7

No. of thermometer 53731 Cor. -.4

Corrected temperature 42.3

Air 63. Surface 60 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<u>7.03.00</u>	<u>05.40</u>	<u>0</u>		
<u>7.04.00</u>	<u>7.04.40</u>	<u>100</u>		
		<u>200</u>		
		<u>300</u>		
		<u>400</u>		
		<u>500</u>		
		<u>600</u>		
		<u>700</u>		
		<u>800</u>		
		<u>900</u>		
		<u>1000</u>		
		<u>1100</u>		
		<u>1200</u>		
		<u>1300</u>		
		<u>1400</u>		
		<u>1500</u>		
		<u>1600</u>		
		<u>1700</u>		
		<u>1800</u>		
		<u>1900</u>		
		<u>2000</u>		
		<u>2100</u>		
		<u>2200</u>		
		<u>2300</u>		
		<u>2400</u>		

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

SEBILAI TEMPERATURAS

TEMP.	TEMP.	NO. OF WINDS.	DIR.	NO. TEMPS.
34				
35				
36				
37				
38				
39				
40				
41				
42				
43				
44				
45				
46				
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93				
94				
95				
96				
97				
98				
99				
100				

RESIDUALS

SEP

No. Hyd 828 Date July 13<sup>th</sup> 7:23 AM  
 Tanner Machine. Reel.

Turns 73 Cor. 2 Depth 75

~~Shot or lead~~ 18 lbs.

Bottom Sand & gravel

Bottom temperature 43

No. of thermometer 53731 Cor. -4

Corrected temperature 42.6

Air 63 Surface 60 Drift

Trawl or dredge

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

<u>7:22.00</u>	<u>24.30</u>	<u>0</u>		
<u>23.00</u>	<u>23.40</u>	<u>100</u>		
		<u>200</u>		
		<u>300</u>		
		<u>400</u>		
		<u>500</u>		
		<u>600</u>		
		<u>700</u>		
		<u>800</u>		
		<u>900</u>		
		<u>1000</u>		
		<u>1100</u>		
		<u>1200</u>		
		<u>1300</u>		
		<u>1400</u>		
		<u>1500</u>		
		<u>1600</u>		
		<u>1700</u>		
		<u>1800</u>		
		<u>1900</u>		
		<u>2000</u>		
		<u>2100</u>		
		<u>2200</u>		
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		<u>2400</u>		

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	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH	FATHS.	NO. OF THER.	LOG	COR. TEMP.
05				
20				
40				
60				
80				
100				
120				
140				
160				
180				
200				
220				
240				
260				
280				
300				

REMARKS:

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SEP

No. *Hyd 829* Date *July 13* 7:44 *AM*

Tanner Machine. Reel.

Turns *77* Cor. *2* Depth *79*~~Shot or lead~~ *18 lbs*Bottom *Stiff brown clay & gravel*Bottom temperature *45.2*No. of thermometer *53731* Cor. *-.3*Corrected temperature *45.2*Air *63* Surface *60* Drift

Trawl or dredge

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

*7.43.30**47.00**0**44.30**46.10**100**200**300**400**500**600**700**800**900**1000**1100**1200**1300**1400**1500**1600**1700**1800**1900**2000**2100**2200**2300**2400*

2200  
 2300  
 2400  
 2500  
 2600  
 2700  
 2800  
 2900  
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 3100  
 3200  
 3300  
 3400  
 3500  
 3600  
 3700  
 3800  
 3900  
 4000

AERIAL TEMPERATURES.

DEPTH	TEMP.	NO. OF THER.	COR.	COR. TEMP.
0				
10				
20				
30				
40				
50				
60				
70				
80				
90				
100				
110				
120				
130				
140				
150				
160				
170				
180				
190				
200				

REMARKS:

57. SKD

No. Hyd 830 Date July 13<sup>th</sup> 7.59.00 <sup>AM.</sup>

Tanner Machine. Reel.

Turns 82 Cor. = 2 Depth 84

Shot or lead 18 lbs.

Bottom Sand & gravel

Bottom temperature 45.5

No. of thermometer 53731 Cor. - .3

Corrected temperature 45.2

Air 63 Surface 60 Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

7.58.00 0 1.20

58.50 8 00.00

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

SERIAL TEMPERATURES.

DEPTH	TEMP.	No. OF THER.	TIME.	SUR. TEMP.
5				
10				
15				
20				
25				
30				
35				
40				
45				
50				
55				
60				
65				
70				
75				
80				
85				
90				
95				
100				

REMARKS:

Lat. S 21

No. Hyd 831 Date July 13<sup>th</sup> 8:20<sup>AM</sup>

Tanner Machine. Reel.

Turns 81 Cor. 2 Depth 83

~~Shot or lead~~ 18 lbs

Bottom Sand + gravel

Bottom temperature none taken

No. of thermometer Cor.

Corrected temperature

Air 63 Surface 60 Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

THIRNS.

DREDGE ROPE.

DOWN.

UP.

8.19.00 21.20 0

20.00 8.20.05 100

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.	TIME.	TIME-TEMP.
25				
50				
100				
150				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

197. SRD

8.42 Am.

No. 526 Date July 19 1880

Tanner's Machine. — Reel.

Turns 118 Cor. 2 Depth 121

Shot or lead 18 lbs

Bottom pebbles

Bottom temperature not taken

No. of thermometer — Cor.

Corrected temperature

Air 65 Surface 66 Drift  $\frac{1}{2}$  m N.E. 1/8 E

Trawl or dredge line

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	5.49.40	22.15
8.41.00		1/2 100	5.52.20	19.15
27.30		200	6.00.00	16.15
		250		
		300	7.14.20	
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	LOG.	WIND-TEMP.
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				
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420				
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510				
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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				

Dredge contents

REMARKS

for analysis, Holthumans, 11/20/00  
 Greenport, South Shore

507. *S.S.D.*

No. *Hyd 832* Date *July 13<sup>th</sup> 9:24 AM*

Tanner Machine. Reel.

Turns *82* Cor. = *2* Depth *84*

Shot or lead *18 lbs*

Bottom *Coarse Sand & pebbles*

Bottom temperature *not taken*

No. of thermometer Cor.

Corrected temperature

Air *65* Surface *66* Drift

Trawl or dredge

SOUNDING WIRE		TURNS	DREDGE ROPE	
DOWN.	UP.		DOWN.	UP.
<i>9.23.00</i>	<i>26.00</i>	0		
<i>24.00</i>	<i>24.10</i>	<i>82</i> 100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
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2500  
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 3000  
 3100  
 3200  
 3300  
 3400  
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 3600  
 3700  
 3800  
 3900  
 4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	TIME	DR. TIME.
25				
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				

REMARKS.

No. Hyd 833 Date July 13<sup>th</sup> 9:48 AM,  
 Tanner Machine Reel.

Turns 270 Cor. 8 Depth 278

~~Shot or~~ Lead 18 lbs

Bottom wh. Sand black specks

Bottom temperature not taken

No. of thermometer Cor.

Corrected temperature

Air 66 Surface 66 Drift

Trawl or dredge

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

9.47.30	54.00	0		
46.00	52.00	100		
47.00	50.00	200		
48.00	48.00	270		
		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.

TEMP.	TIME	NO. OF THER.	COR.	COR. TEMP.
25				
30				
35				
40				
45				
50				
55				
60				
65				
70				
75				
80				
85				
90				
95				
100				

REMARKS.

507. SAP

No. Hyd 834 Date July 13<sup>th</sup> 10:16 AM  
Tanner Machine. Reel.

Turns 352 Cor. + 11 Depth 363

~~Shot or lead~~ 18 lbs

Bottom Sand & pebbles

Bottom temperature not taken

No. of thermometer \_\_\_\_\_ Cor. \_\_\_\_\_

Corrected temperature \_\_\_\_\_

Air 66 Surface 66 Drift \_\_\_\_\_

Trawl or dredge \_\_\_\_\_

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<u>10. 11.00</u>	<u>26.00</u>	0		
<u>13.00</u>	<u>23.30</u>	100		
<u>14.30</u>	<u>20.35</u>	200		
<u>16.00</u>	<u>18.40</u>	300		
<u>16.50</u>	<u>10. 17.00</u>	<u>352</u> 400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



507. SLP

No. Hyd 835 Date July 13<sup>th</sup> 11:54 AM.

Tanner Machine. Reel.

Turns 125 Cor. + 4 Depth 129

~~Shot or lead~~ 18 lbs

Bottom Coarse Sand & gravel

Bottom temperature 42.

No. of thermometer 53731 Cor. -.4

Corrected temperature +1.6

Air 64 Surface 60 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<u>11 53 00</u>	<u>56.30</u>	0		
<u>54 05</u>	<u>55.00</u>	100		
<u>54 15</u>	<u>54.30</u>	200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
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		1400		
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	2500	
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	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	W. COR. TEMP.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507. 32P

12-19 Jan

No Hyd 836 Date 12-19-20

Tanner Machine. Reel.

Turns 132 Cor. 1 4 Depth 136

~~Shot~~ or lead 18 lbs.

Bottom hard

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 64 Surface 60 Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		132		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

12-19-20  
19-30

2000

2500

3000

3500

4000

5000

6000

7000

8000

9000

10000

11000

12000

13000

14000

15000

## SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
15				
30				
45				
60				
75				
90				
105				
120				
135				
150				
165				
180				
195				
210				
225				
240				
255				
270				
285				
300				

REMARKS:

Sta. SLP

No. Hyd 837 Date July 13<sup>th</sup> 12:37 P.M.

Tanner Machine. Reel.

Turns 170 Cor. 5 Depth 175

Shot or lead 18 lbs

Bottom bk shells

Bottom temperature not taken

No. of thermometer Cor.

Corrected temperature

Air 64 Surface 60 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<u>12-35.00</u>	<u>39.00</u>	0		
<u>26</u>	<u>38.00</u>	100		
<u>37</u>	<u>37.00</u>	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	

WIND VELOCITY.

DIR.	TIME.	NO. OF TOURS.	DIR.	WIND TEMP.
05				
10				
15				
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290				
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305				
310				
315				
320				
325				
330				
335				
340				
345				
350				
355				
360				
365				
370				
375				
380				
385				
390				
395				
400				

REMARKS:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

No. Hyd 838 Date July 13, 12:50 P.M.

Tanner Machine. Reel.

Turns 171 Cor. + 5 Depth 176

~~Shot~~ or lead 18 lbs

Bottom Bk Sh.

Bottom temperature not taken

No. of thermometer \_\_\_\_\_ Cor. \_\_\_\_\_

Corrected temperature \_\_\_\_\_

Air 66 Surface 61 Drift \_\_\_\_\_

Trawl or dredge \_\_\_\_\_

SOUNDING WIRE		FMS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<u>12 48.30</u>	<u>52.40</u>	0		
<u>49.20</u>	<u>51.30</u>	100		
<u>50.20</u>	<u>50.20</u>	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.	TIME.	DATE.
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. *Hyd 839* Date *July 13<sup>th</sup> 1:09 P.M.*  
*Tanner* Machine. Reel.

Turns *124* Cor. + *4* Depth *128*

Shot or lead *18 lbs*

Bottom *pebbles*

Bottom temperature *not taken*

No. of thermometer Cor.

Corrected temperature

Air *66* Surface *61* Drift

Trawl or dredge

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
<i>1 08.00</i>	<i>11.30</i>	0		
<i>09.00</i>	<i>10.10</i>	100		
<i>09.30</i>	<i>09.40</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 TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	TIME.	COR. TEMP.
05				
20				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 2527 Date July 13<sup>th</sup> 1:22 P.M.

Sauer Machine. Reel.

Turns 113 Cor. + 4 Depth 117

~~Shot~~ or lead 18 lbs

Bottom Sand & gravel

Bottom temperature not taken

No. of thermometer Cor.

Corrected temperature

Air 66 Surface 61 Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN. UP. TURNS. DOWN. UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
1, 21, 00	24 30	0		
22, 10	23, 07	100		
22, 00	22 40	200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Put over an anchor & buoy at this station.  
 Lowered dories with trawl gear  
 to drag on bottom; Several fine  
 sprays of Hondurican coral were  
 secured

Dories returned at 4:35

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

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THERM.	TIME	WIND
25				
77				
100				
240				
270				
320				
370				
500				
550				
600				
650				
700				
750				
800				
850				
900				
950				

REMARKS.

No. 2528

Date July 13<sup>th</sup> 6:15 P.M.

Sigsbee Machine. 1 Reel.

Turns 613 Cor. + 64 Depth 677

Shot ~~or lead~~ 35 lbs

Bottom brown sand

Bottom temperature 39

No. of thermometer 53731 Cor. -.3

Corrected temperature 38.7

Air 78 Surface 69 Drift/m N 5/4 E

Trawl ~~or dredge~~ L. B.

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
6 07.00	23.00	0	6.29.00	25.30
08.30	22.05	100	32.30	23.00
09.40	21.15	200	35.45	19.40
11.00	20.30	300	38.10	16.45
12.30	19.30	400	40.40	13.30
13.45	18.30	500	44.00	10.25
15.10	17.00	600	47.35	07.00
15.30	16.40	700	50.35	8.00.30
		800	53.30	55.30
		900	57.00	50.00
		1000	7.01.10	44.30
		1100	05.00	40.00
		1200	09.00	7.30.00
		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				
150				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

Trawl contained

large number of *Glyptocheilus* -  
two species - *Pen. Blue* and *Red*  
 REMARKS:  
*Pen. Blue*, several species unidentified  
 fish, large quantity *larvae* coral, two  
 species cold banded coral and numerous  
 other species - shells and sponges.

1/100

No. 2529 Date July 14. 1885.

Sigsbee Machine. / Reel.

Turns 509 Cor. + 63 Depth 662

Shot or lead 35 lbs.

Bottom gray mud.

Bottom temperature 39

No. of thermometer 53731 Cor. - .3

Corrected temperature 38.7

Air 66 Surface 65 Drift 1<sup>m</sup> S 1/2 W

Trawl or dredge Large Beam.

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
4.04.00	21.45	0	5.05.00	09.00
05.00	20.30	100	12.45	05.45
06.15	19.30	200	17.00	05.00
07.45	18.30	300	21.20	7.00.00
09.30	17.30	400	26.15	07.30
11.15	16.15	500	30.00	05.00
13.15	15.00	600	33.15	02.30
		700	37.00	09.30
		800	40.15	07.00
		900	44.00	04.15
		1000	48.00	01.00
		1100	52.00	02.00
		1200	58.00	05.00
		1300	6.02.30	01.00
		1400	07.00	0.27.00
		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 TEMPERATURES

DEPTH.	TEMP.	SAL. OR CORR.	COR.	COR. TEMP.
25				
37				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

## REMARKS:

Turbidity bottle fastened  
 to bottom and  
 withdrawn  
 while and returned

546  
1007.

No. 2530 Date July 14 1885  
Sigsbee Machine. 4 Reel.

Turns 266 Cor. + 90 Depth 956

Shot or lead 35 lbs.

Bottom gray ooze.

Bottom temperature 38.7

No. of thermometer 53731 Cor. - 3

Corrected temperature 35.4

Air 70 Surface 67 Drift 1<sup>m</sup> S 77.77

Trawl or dredge Large Beam

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
140.30	02.15	0	9.08.00	27.-
41.20	01.15	100	11.30	33.45
42.15	00.15	200	15.30	39.30
43.15	59.15	300	19.30	28.00
44.30	58.00	400	23.45	24.00
45.45	57.00	500	27.30	21.00
46.45	55.45	600	31.30	18.00
47.15	54.30	700	36.00	15.00
48.30	53.00	800	40.00	11.30
50.10	52.15	900	44.15	07.45
		1000	48.30	04.00
		1100	53.00	11.00 30
		1200	56.45	36.45
		1300	10.01.00	52.30
		1400	06.00	48.30
		1500	08.30	45.15
		1600	22.00	10 42.00
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF FEET.	COR.	WIND (Knots).
25				
50				
100				
200				
300				
400				
500				
600				
700	11			
800				
900				
1000				

REMARKS:

*Strophomena missouriensis*  
Large stony - stratified - vertical  
line structure.

(<sup>11</sup> found very badly broken)

No. 2531 Date July 14 1915  
 Sigbee Machine. 1 Reel.

Turns 772 Cor. + 80 Depth 852

Shot or lead 35 lbs.

Bottom grey mud.

Bottom temperature 38.7

No. of thermometer 23721 Cor. - 3

Corrected temperature 35.4

Air 72 Surface 67 Drift 1<sup>m</sup> S 17.7 E.

Trawl or dredge James Smith

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
16.30	37.00	0	1.23.00	25. -
17.30	35.45	100	47.00	8.45
18.40	34.45	200	50.30	14.15
20.10	33.45	300	54.30	10.00
21.30	32.30	400	58.00	05.15
23.00	31.30	500	2.01.45	4.00.45
24.30	30.30	600	05.30	51.30
25.45	29.15	700	09.00	48.00
26.45	1.28.30	800	13.00	40.15
		900	17.00	34.20
		1000	20.45	27.00
		1100	24.45	18.30
		1200	29.00	08.00
		1300	33.00	2.07.30
		1400	27.30	3.58.00
		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 TEMPERATURES

Depth.	Year.	No. of Therm.	Time	Cor. Temp.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS

for some *Halimniscus* -  
 few bottle stars, *Asaphus*, worms.

52/100.

No. 2532 Date July 14<sup>th</sup> 1885.  
*Sigsbee* Machine. Reel.

Turns 638 Cor. + 67 Depth 705

Shot or lead 35 lbs.

Bottom grey mud.

Bottom temperature 39.

No. of thermometer 53731 Cor. - 3

Corrected temperature 35.7

Air 75 Surface 67 Drift 1<sup>st</sup> N 37<sup>th</sup> E

Trawl or dredge Large Beam

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5.35.00	52.30	0	5.57. -	45.15
36. -	51.30	100	6.00.45	42. -
37.15	50.30	200	.05. -	38.30
38.30	49.45	300	.09. -	35.30
39. -	48.30	400	15. -	32.5
40.30	47.15	500	17.15	29.15
42. -	46.15	600	21.15	26. -
43.45	5.45. -	700	25.30	23.5
		800	29.30	20.5
		900	33.30	16. -
		1000	37.15	12. -
		1100	41. -	10. -
		1200	45.15	7.07. -
		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.	DATE.	TIME.
0				
50				
100				
200				
400				
600				
800				
1000				
2000				
3000				
4000				

REMARKS.

Several small obscure unidentified fish - two pale blunders - gnomes and blue haker - four starfish various and shells.

No. 2533 Date July 15/14  
 Machine, Sigsbee Reel.  
 Turns 750 Cor. + 78 Depth 828  
 Shot or Lead 35 lb  
 Bottom Boon. gy. l.  
 Bottom temperature 39  
 No. of thermometer 53731 Cor. - 3  
 Corrected temperature 35.7  
 Air 72 Surface 68 Drift 1 1/2 N, 20 W  
 Trawl or dredge L B

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
0		0		
03 50		100	12 00	27 40
4 02 30		200	17 00	22 10
4 12 20		300	21 00	21 00
4 22 10		400	25 00	20 10
4 32 00		500	29 00	19 20
4 41 50		600	33 00	18 30
4 51 40		700	37 00	17 40
5 01 30		800	41 00	16 50
		900	45 00	16 00
		1000	49 00	15 10
		1100	53 00	14 20
		1200	57 00	13 30
		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.	DATE-TIME.
25				
50				
100				
150				
200				
250				
300				
350				
400				
450				
500				
550				
600				
650				
700				
750				
800				
850				
900				
950				
1000				

No. of thermometers  
 1000

REMARKS.

The average temp. of the surface  
 is 60.0 fath. to 100 fath. is 58.0  
 Below 100 fath. temperature  
 constant

No. 258 Date July 25 1880  
 Machine. / Reel.  
 Turns 117 Cor. - 7 Depth 124  
 Shot or lead 35 lb  
 Bottom gy. m.  
 Bottom temperature 37  
 No. of thermometer 08731 Cor. -.2  
 Corrected temperature 37.5  
 Air 66 Surface 70 Drift 1-NE  
 Trawl or dredge L.B.

SOUNDING WIRE

DREDGE ROPE

DOWN.	UP.	TURNS.	DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		117		
		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.
05				
10				
15				
20				
25				
30				
35				
40				
45				
50				
55				
60				
65				
70				
75				
80				
85				
90				
95				
100				

REMARKS:

...  
 ...  
 ...  
 ...  
 ...

32 1/2 m. l. No. 2535 Date July 21

No. 2535 Date July 21

Machine. Reel.

Turns 10-2 Cor. 100 Depth 10-9

Shot or lead 35 lb

Bottom gy. s.

Bottom temperature 38

No. of thermometer 23731 Cor. - .2

Corrected temperature 37.8

Air Surface 72 Drift 1/2 220

Trawl or dredge L.B.

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
08 00	00 15	0	12 25 20	8 17 30
08 15	11 00 30	100	27 54	20 25
08 30	19 00 15	200	33 02	3 25 24
08 45	23 00 00	300	37 15	22 21
08 55	27 00 00	400	41 30	14 10
09 05	31 00 00	500	45 45	29 10
09 15	35 00 00	600	49 54	31 11
09 25	39 00 00	700	54 00	38 10
09 35	43 00 00	800	58 10	44 10
09 45	47 00 00	900	62 15	49 10
09 55	51 00 00	1000	66 25	54 20
10 05	55 00 00	1100	70 30	59 10
		1200	74 40	13 10
		1300	78 50	20 10
		1400	83 00	25 10
		1500	87 10	30 10
		1600	91 15	35 10
		1700	95 25	40 10
		1800	99 30	45 10
		1900	103 40	50 10
		2000	107 50	55 10
		2100	112 00	60 10
		2200	116 10	65 10
		2300	120 20	70 10
		2400	124 30	75 10

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

SERIAL TEMPERATURES.

DEPTH.	TIME.	NO. OF THER.	TEMP.	COR. TEMP.
05				
50				
100				
150				
200				
300				
400				
500	58731			
600				
700	58732			
800				
900				
1000				

REMARKS:

Surface temp 20.5  
 1000 fms 18.5  
 2000 fms 17.5  
 3000 fms 16.5  
 4000 fms 15.5  
 5000 fms 14.5  
 6000 fms 13.5  
 7000 fms 12.5  
 8000 fms 11.5  
 9000 fms 10.5  
 10000 fms 9.5

507. 512

No. 2536 Date Aug 7<sup>th</sup> 5:35 AM

Machine Reel

Turns 152 Cor. + 5 Depth 157

Shot or lead 18 lbs

Bottom fm M. for S

Bottom temperature not taken

No. of thermometer Cor.

Corrected temperature

Air 69 Surface 74 Drift/m W 1/2 W

Trawl or dredge L R

SOUNDING WIRE			DREDGE ROPE	
DOWN.	UP.	TURNS.	DOWN.	UP.
		0	5 46.00	35.00
		100	49.20	31.00
		200	52.00	25.00
		300	55.00	6 22.00
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



2500  
 2400  
 2300  
 2200  
 2100  
 2000  
 1900  
 1800  
 1700  
 1600  
 1500  
 1400  
 1300  
 1200  
 1100  
 1000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THERM.	COR.	COR. TEMP.
5				
20				
40				
60				
80				
100				
120				
140				
160				
180				
200				
220				
240				
260				
280				
300				
320				
340				
360				
380				
400				
420				
440				
460				
480				
500				
520				
540				
560				
580				
600				
620				
640				
660				
680				
700				
720				
740				
760				
780				
800				
820				
840				
860				
880				
900				
920				
940				
960				
980				
1000				

*Sound corrected*

REMARKS:

*Quantity of room tubes, five  
 100, 100, 100, 100, 100*

571

No. 2537 Date Aug 7th 6.43 AM

Sigsbee Machine. Reel.

Turns 151 Cor. 5 Depth 156

Shot or lead 18 lbs

Bottom gy. M. fr. S.

Bottom temperature 46 1/2

No. of thermometer 53731 Cor. - 3

Corrected temperature 46.2

Air 71 Surface 74 Drift 1.24 x 22

Trawl or dredge LB

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
6 53 00	46 00	0	6 53 00	39 15
43 50	47 00	100	56	30.15
42 50	46 30	37	59.30	29.15
		200		
		300	7 03.00	24.00
		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 TEMPERATURES.

DEPTH.	TIME.	NO. OF THER.	CH.	TEMP.
25				
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:

Some few pieces, shells and  
 small stones

No. 2538 Date Aug 7<sup>th</sup> 7:38 AM

Tanner Machine Reel

Turns 145 Cor. 5 Depth 150

Shot or lead 18 lbs

Bottom gy. M. for S

Bottom temperature 46.5

No. of thermometer 55731 Cor. - .3

Corrected temperature 46.2

Air 71 Surface 74 Drift 1<sup>st</sup> N.

Trawl or dredge L 13

SOUNDING WIRE.		TURNS	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	7:41:00	15
		100	52:00	21:20
		200	55:00	31
		300	58:41	8 18
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



No. 2539 Date August 7, 1880

Machine. - Reel.

Turns 120 Cor. - 2 Depth 120Shot or lead 12 lbBottom fine s.Bottom temperature 47.7No. of thermometer 52731 Cor. - 3Corrected temperature 47.7Air 71 Surface 74 Depth 1-2Trawl or dredge 20 ft heavy dredge with hook

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

0

8 57 00

87 00

100

9 01 42

34 00

200

05 00

31 00

300

07 30

27 00

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2900  
2800  
2700  
2600  
2500  
2400  
2300  
2200  
2100  
2000  
1900  
1800  
1700  
1600  
1500  
1400  
1300  
1200  
1100  
1000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	LOG.	COR. TEMP.
25	Boat returned at 1255			
50	with 5 skates (large) + 7 whiting.			
100	49 skates			
150				
200				
250				
300				
350				
400				
450				
500				
550				
600				
650				
700				
750				
800				
850				
900				
950				
1000	Trawl contained			

REMARKS:

1 large cod fish, few small skates, few whiting etc. fish.

507. 521

No. 2540 Date Aug 7<sup>th</sup>

Tanner Machine. Reel.

Turns 140 Cor. 4 Depth 144.

Shot or lead 18 lbs

Bottom gn. s.

Bottom temperature 47

No. of thermometer 53731 Cor. -.3

Corrected temperature 46.7

Air 72 Surface 74 Drift 1<sup>m</sup> N.

Trawl or dredge LB

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<u>10 10.00</u>	<u>14 00</u>	0	<u>10 20.00</u>	<u>11 03.00</u>
<u>11 00</u>	<u>12 30</u>	100	<u>23.30</u>	<u>59.30</u>
<u>11.30</u>	<u>12.00</u>	<sup>140</sup> 200	<u>27.30</u>	<u>56.00</u>
		300	<u>32.00</u>	<u>10.52.00</u>
		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.	YEAR.	NO. OF THER.	DATE.	NO. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000	1875	17		

REMARKS:

Strong, full flower in  
 sea anemone, with  
 shells

507. 524

No. 2541 Date Aug 7<sup>th</sup>

Machine. Reel.

Turns 130 Cor. + 4 Depth 134

Shot or lead 10 lbs

Bottom Gn S. bk Sh.

Bottom temperature 48

No. of thermometer 53731 Cor. - .3

Corrected temperature 47.7

Air 73 Surface 73 Drift N 1/2 W

Trawl or dredge L.O.

SOUNDING WIRE

DREDGE ROPE

DOWN. UP. TURNS. DOWN. UP.

SOUNDING WIRE		TURNS.	DREDGE ROPE	
DOWN.	UP.		DOWN.	UP.
1137.		0	12.00	0.00
" "	40	100	02.30	35.30
		200	07.00	31.30
		300	12.30	12.27.00
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURES

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

REMARKS:

fine Starfish, pale greenish shells, various shrimp

No.

2542

Date

Aug 7<sup>th</sup>

Tanner

Machine.

Reel.

Turns 125

Cor. +

4

Depth

129

Shot or lead

18

Bottom

S. &amp; G. K. Sh.

Bottom temperature

47 $\frac{1}{2}$ 

No. of thermometer

53731

Cor.

.3

Corrected temperature

47.2

Air

73

Surface

76

Drift <sup>m</sup> N N W.

Trawl or dredge

L B

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

2,31.00

36.00

0

3,00.00

43.00

33.00

33.00

100

04.30

40.00

200

08.00

37.00

300

12.00

34.00

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Boat left ship to net  
 started down at 9:00.

Boat returned at 6:13 with  
 34 shaks 9 whiting 1 Norway Haddock

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	60	53731	-.2	59.8
50	56.2	53731	-.2	56.0
100	50	53731	-.2	49.8
200				
300				
400				
500				
600				
700				
800				
900				
1000	Frost on surface			

REMARKS

2 Norway Haddock 310 lb  
 1 flounder, 10 lb  
 1 string, 10 string, 7 lb  
 10 lb

no. SAP

No. 2543 Date Aug 7<sup>th</sup> 1885.  
*Tanner* Machine. Reel.

Turns 161 Cor. 5 Depth 166

Shot or lead 18 lbs

Bottom G.S. Fk. Sp.

Bottom temperature 45.2

No. of thermometer 53731 Cor. - .3

Corrected temperature 45.2

Air 72 Surface 76 Drift 1<sup>st</sup> N.

Trawl or dredge L.B.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4.17.00	22.10	0	4 27.00	16.30
17.45	21.00	100	31.15	12.00
18.50	4.24.15	161 200	34.50	08.20
		300	39.00	04.20
		320	40.40	5.00
		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 TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	TIME.	WIND, STATE.
25				
30				
40				
50				
60				
70				
80				
90				
100				
110				
120				

REMARKS:

Direction of surface current  
 1.5 mi - 1.5 mi - 1.5 mi

No. 840 Date March 5 1885

Machine. \_\_\_\_\_ Reel. \_\_\_\_\_

Turns 297 Cor. + \_\_\_\_\_ Depth 282Shot or lead 35 lb.Bottom gy. s.Bottom temperature 42.1No. of thermometer 50731 Cor. -.4Corrected temperature 41.6Air 71 Surface 75 Drift \_\_\_\_\_

Trawl or dredge \_\_\_\_\_

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
<u>5:02:00</u>	<u>5:00:00</u>	0		
<u>04:30</u>	<u>5:01:10</u>	100		
<u>25:02</u>	<u>6:30</u>	200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



	3500	
	3400	
	3300	
	3200	
	3100	
	3000	
	2900	
	2800	
	2700	
	2600	
	2500	
	2400	
	2300	
	2200	
	2100	
	2000	
	1900	
	1800	
	1700	
	1600	
	1500	
	1400	
	1300	
	1200	
	1100	
	1000	
	900	
	800	
	700	
	600	
	500	
	400	
	300	
	200	
	100	
	0	

**SERIAL TEMPERATURES.**

TEMP.	TIME	NO. OF THIS.	DATE	COL. YEAR
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				

**TEMPERATURE.**

No. *846* *Hydro* Date *August 5 1885**Sigsbee* Machine. Reel.Turns *149* Cor. *+ 5* Depth *154*Shot or lead *15 lb.*Bottom *gn. s. bk. sp.*Bottom temperature *46.5*No. of thermometer *53731* Cor. *- .3*Corrected temperature *46.2*Air *71* Surface *75* Drift

Trawl or dredge

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWNS.

UPS.

*2.50**5.43.00**54.15**46.30*

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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

SURFACE TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	POS.	COR. TEMP.
05				
10				
15				
20				
25				
30				
35				
40				
45				
50				
55				
60				
65				
70				
75				
80				
85				
90				
95				
100				

REMARKS:

No. 2544Date August 8 1885Machine. Sigsbee Reel.Turns 127 Cor. 4 Depth 131Shot or lead 18 lb.Bottom gn. & bk. sp.Bottom temperature 48No. of thermometer 52721 Cor. - 3Corrected temperature 47.7Air 50 Surface 74 Drift 1/2 mi. N.Trawl or dredge Large Beam \*

## SOUNDING WIRE.

## DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<u>6-03.00</u>		0	<u>6 00.00</u>	
<u>07.00</u>		100	<u>25.30</u>	<u>7.00.00</u>
		200	<u>27.00</u>	<u>05.45</u>
		300	<u>28.00</u>	<u>6.12.00</u>
		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.	TIME	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

Shore faunish with the following  
at 600 - 1000 - 2000 - 3000 with  
27 total - 6 whitings - 2 rays = 0  
Substrata

REMARKS:

Drift contained  
in tide - several small forams  
dark - granular - few shells -  
single 2 shells

10/10/107

No. 2545 Date August 8<sup>th</sup> 1885.  
 Sigsbee Machine. Reel.  
 Turns 138 Cor. + 4 Depth 142  
 Shot or lead 18 lbs.  
 Bottom gn. & bk. sp.  
 Bottom temperature 47  
 No. of thermometer 53721 Cor. - 3  
 Corrected temperature 46.7  
 Air 70 Surface 74 Drift  $\frac{1}{2}$  m. N.  
 Trawl or dredge Large Beam

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7.25.00		0	7.31.45	13.30
26.15		100	7.36.00	09.00
		200	41.30	04.15
		300	45.00	8.01.00
		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 TEMPERATURES.

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

REMARKS:

No. 542 Sigs. Date August 6 1885.

Tanner Machine. - Reel.

Turns 152 Cor. 5 Depth 167

Shot or lead 18 lb.

Bottom gy. s. bk. sp. bk. wh.

Bottom temperature 56

No. of thermometer 53751 Cor. - .3

Corrected temperature 45.7

Air 71 Surface 74 Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

At 7:30

10:50 00

51 45

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. 543 Hyd. Date August 8<sup>th</sup> 1885  
 Tanner Machine. - Reel.

Turns 226 Cor. + 7 Depth 233

Shot or lead 18 lbs.

Bottom - m. s. s.

Bottom temperature 42.3

No. of thermometer 53731 Cor. - 4

Corrected temperature 47.9

Air 71 Surface 72 Drift

Trawl or dredge

## SOUNDING WIRE.

## DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11.23.00	23.00	0		
24.15	22.30	100		
25.45	11.27.00	200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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. 844 Hyd. Date August 5, 1885.

Sigsbee Machine. 1 Reel.

Turns 273 Cor. = 24 Depth 300

Shot or lead 35 lb.

Bottom gy. s. w.

Bottom temperature 41

No. of thermometer 55731 Cor. = .4

Corrected temperature 40.6

Air 73 Surface 72 Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.	UP.	TURNS.	DREDGE ROPE DOWN.	DREDGE ROPE UP.
12.01.00	12.01.00	0		
02.00	07.15	100		
03.15	12.04.00	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.	LOG.	NO. TEMP.
25				
50				
75				
100				
125				
150				
175				
200				
225				
250				
275				
300				
325				
350				
375				
400				

REMARKS:

No. 2546 Date August 8, 1885.Sigsbee Machine. / Reel.Turns 486 Cor. + 52 Depth 538Shot or lead 35 lb.Bottom gn. m.Bottom temperature 40No. of thermometer 53731 Cor. - .4Corrected temperature 39.6Air 73 Surface 72 Drift 1/2" N. 1/2" W.Trawl or dredge Large Beam

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
<u>4.30</u>				
<u>17 35.30</u>	<u>46.15</u>	<u>0</u>	<u>12.47.45</u>	<u>06.40</u>
<u>31.15</u>	<u>46.15</u>	<u>100</u>	<u>52.15</u>	<u>09.00</u>
<u>37.40</u>	<u>43</u>	<u>200</u>	<u>56.20</u>	<u>2.00.45</u>
<u>34</u>	<u>40.00</u>	<u>300</u>	<u>1.00.45</u>	<u>57.30</u>
<u>35.30</u>	<u>41.15</u>	<u>400</u>	<u>04.30</u>	<u>34.15</u>
<u>47.</u>	<u>42.40. -</u>	<u>500</u>	<u>08.00</u>	<u>51.15</u>
		<u>600</u>	<u>11.45</u>	<u>48.45</u>
		<u>700</u>	<u>15.30</u>	<u>46.00</u>
		<u>800</u>	<u>19.30</u>	<u>43.30</u>
		<u>900</u>	<u>23.00</u>	<u>40.00</u>
		<u>1000</u>		
		<u>1100</u>		
		<u>1200</u>		
		<u>1300</u>		
		<u>1400</u>		
		<u>1500</u>		
		<u>1600</u>		
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		<u>1900</u>		
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SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	TIME.	WIND FORCE.
5				
10				
20				
30				
40				
50				
60				
70				
80				
90				
100				

REMARKS.

No. 3547 Date August 8<sup>th</sup> 1885.

Sigsbee Machine / Reel.

Turns 352 Cor. 35 Depth 390

Shot or lead 35 lb.

Bottom gy. m.

Bottom temperature 60

No. of thermometer 53781 Cor. -.4

Corrected temperature 39.6

Air 70 Surface 76 Drift 1<sup>m</sup> N.

Trawl or dredge Large Beam.

## SOUNDING WIRE.

## DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2.09. -	10.45	0	7.25.00	32.15
10.15	18.30	100	29.45	24.20
11.15	17.30	200	32.45	25.50
12.30	16.30	300	39.15	21.20
13.15	2.6.00	400	43.15	17.45
		500	47.00	13.20
		600	50.45	09.45
		700	54.00	05.00
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
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 3900  
 4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	TIME	DR. TIME
25				
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				

REMARKS.

*Temperature branches of*

6/50.

No. 845 Hyd. Date August 8<sup>th</sup> 1885.

Sigsbee Machine. 1 Reel.

Turns 214 Cor. + 203 Depth 237

Shot or lead 35 lb.

Bottom gy. m.

Bottom temperature 42

No. of thermometer 58751 Cor. - 4

Corrected temperature 41.6

Air 70 Surface 76 Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3.36.00	47.45	0		
36.45	41.15	100		
39.00	34.00	200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
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 3800  
 3900  
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SERIAL TEMPERATURES.

DEPTH	TEMP.	NO. OF THERM.	COR.	COR. TEMP.
75				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 2548 Date August 8<sup>th</sup> 1915  
Sigsbee Machine. 1 Reel.

Turns 180 Cor. + 20 Depth 200

Shot or lead 35 lb

Bottom gn. s. bk. sp.

Bottom temperature 43.7

No. of thermometer 55731 Cor. -.4

Corrected temperature 43.4

Air 69 Surface 76 Drift <sup>m</sup> 2.2 E.

Trawl or dredge Large Beam

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
4.27.00	33.15	0	4.27.00	27.15
27.45	32	100	41.45	24.00
28.30	4.31.00	200	46.30	21.00
		300	50.30	18.00
		400	55.00	5 14.00
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
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		1900		
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 3600  
 3700  
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 3900  
 4000

SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	TIME.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				
1100				
1200				
1300				
1400				
1500				

REMARKS-

Abundant overburden for distance  
 1/2 mile from shore.

No. 846 Hyd Date August 8 1885.  
Sigsbee Machine. / Reel.

Turns 312 Cor. 32 Depth 344

Shot or lead 35 lbs.

Bottom gy. m.

Bottom temperature 44.3

No. of thermometer 53731 Cor. -.4

Corrected temperature 43.9

Air 76 Surface 76 Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

~~6.05.00~~

6.05.00

15.15

0

05.00

17.00

100

07.15

11.00

200

08.30

6.10.00

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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

**SERIE TEMPERATURES.**

DEPTH	TIME	NO. OF THER.	USE	DATE, TIME
25				
50				
100				
150				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 2549 Date August 8<sup>th</sup> 1885.

Sigsbee Machine. 1 Reel.

Turns 516 Cor. + 50 Depth 571

Shot or lead 35 lb.

Bottom gn. m.

Bottom temperature 39.8

No. of thermometer 56731 Cor. - .3

Corrected temperature 39.5

Air 76 Surface 76 Drift  $1\frac{1}{2}$  mi. N. 76° E.

Trawl or dredge

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
<i>p. m.</i>				
6.26.00	38.45	0	6.43.00	16.00
26.45	37.30	100	47.00	11.45
27.45	36.15	200	50.30	08.00
29.00	35.00	300	54.00	04.30
30.15	34.00	400	57.30	8.01.15
31.45	6.22.00	500	7.01.30	58.00
		600	05.45	53.30
		700	10.00	49.10
		800	14.00	45.00
		900	18.00	41.00
		1000	22.00	7.37.00
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
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		1900		
		2000		
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		2200		
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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:

31st Dec. at a sample large amount  
 of water below for small cell  
 correct to the quantity of  
 dissolved.

No. 847 Sigsbee Date August 8<sup>th</sup> 1885.

Sigsbee Machine. 1 Reel.

Turns 375 Cor. + 41 Depth 416

Shot or lead 35 lbs.

Bottom sf. gn. m.

Bottom temperature 40

No. of thermometer 53731 Cor. -.4

Corrected temperature 39.6

Air 70 Surface 74 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8.20.00	30.30	0		
20.45	29.00	100		
21.45	28.00	200		
22.45	27.00	300		
23.30	26. -	400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
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 3900  
 4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	DIL. OF THER.	COR.	COR. TEMP.
25				
37				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

~~5218~~

No. 5218 Date Aug 94

Machine. 1 Reel.

Turns 395 Cor. + 25 Depth 315

Shot or lead 35 lb

Bottom Mud

Bottom temperature 42

No. of thermometer 53731 Cor. - 4

Corrected temperature 41.6

Air 71 Surface 76 Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
3.08.00		0		
11.00		100		
14.00		200		
16.00		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
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		2400		

156  
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168

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	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

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

REMARKS:

U.S.N.M.

No. 2550 Date Aug 9th 1881

Sigsbee Machine, 1 Reel.

Turns 982 Cor. 99 Depth 1081

Shot or lead 35 lb

Bottom br M

Bottom temperature 38.8

No. of thermometer 53731 Cor. - 3

Corrected temperature 38.5

Air 73 Surface 76 Drift 27. 7110

Trawl or dredge L B

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
41.20		0	5.23.30	23.10
42.15	11.20	100	57.00	21.25
43.10	12.25	200	53.30	19.00
44.15	14.45	300	55.05	16.45
45.45	09.50	400	57.30	13.15
47.10	07.20	500	53.00	10.50
48.15	06.10	600	54.55	07.50
51.20	05.10	700	57.30	04.10
52.20	03.20	800	53	02.20
54.15	01.10	900	55.10	59.20
55.40	058.00	1000	57.00	55.30
		1100	57.30	58.15
		1200	07.30	50.14
		1300	1.30	46.30
		1400	12.50	43.20
		1500	19.35	39.30
		1600	23.40	35.40
		1700	28.45	31.50
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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 3900  
 4000

SERIAL TEMPERATURES.

DEPTH	TEMP.	NO. OF THER.	TIME	DATE
75				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

*[Faint handwritten notes and markings in the remarks section, including a signature and date.]*

\* 12 24 26

507.

No. 2551 Date August 9 1881

Machine. 1 Reel.

Turns 705 Cor. + 73 Depth 778

Shot or lead 35 lb

Bottom gy ag

Bottom temperature 39

No. of thermometer 53731 Cor. - 3

Corrected temperature 38.7

Air 77 Surface 77 Drift

Trawl or dredge L S

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
	31.25	0	8.35.00	
	30.20	100	39.20	
15.55	29.20	200	40.05	
16.00	28.00	300	49.15	
17.00	26.50	400	53.20	
18.10	25.30	500	56.00	
19.20	24.00	600	7.00.35	
20.30	22.40	700	06.10	
		800	10.00	
		900	14.10	
		1000	18.00	
		1100	21.20	
		1200	25.10	
		1300	28.50	
		1400	32.20	*
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



2500

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2800

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3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURES.

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

REMARKS:

+ 2 1/2 m. slow.

5072 1211

No. 3552 Date August 9/85

Machine. 1 Reel.

Turns 653 Cor. + 68 Depth 721

Shot or lead 55 lb

Bottom gy s

Bottom temperature 46

No. of thermometer 58731 Cor. - 4

Corrected temperature 39.6

Air 77 Surface 77 Drift 1/2 . 21 31 W

Trawl or dredge Longy Beam

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
		0	12 20	18 00
		100	28 15	17 55
		200	34 04	17 50
		300	39 20	17 45
		400	46 45	17 40
		500		
		600	52 30	17 35
		700	58 00	17 30
		800	58 30	17 25
		900	1 01 30	17 20
		1000	07 00	17 15
		1100	12 45	17 10
		1200	17 05	17 05
		1300	12	17
		1400	27	17 00
		1500		
		1600		
		1700		
	12 57	1800		
	22	1900		
	12 21	2000		
11 41 5		2100		
11 52		2200		
		2300		
		2400		

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3500  
3600  
3700  
3800  
3900  
4000

SERIAL TEMPERATURES.

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

REMARKS

+ 12 700 slow

No. 2553 Date (Original) Oct.

Machine. / Reel.

Turns 557 Cor. + 30 Depth 557

Shot or lead 35 lb

Bottom gy. sh.

Bottom temperature 39.5

No. of thermometer 53731 Cor. - .3

Corrected temperature 27.2

Air 72 Surface 77 Drift 2 4/8 N

Trawl or dredge L. B. C.

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
	23.50	0	31.30	02.45
	24.00	100	31.25	06.10
	24.50	200	31.25	09.30
	25.40	300	31.25	12.50
	26.30	400	31.20	16.15
	27.20	500	31.15	19.45
		600	31.10	23.15
		700		26.40
		800	07.15	30.15
		900	10.20	33.45
		1000	13.20	37.15
		1100		
		1200		
		1300		
-7-		1400	07.15	40.45
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURES

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

REMARKS

The bottom of the sea was  
fine sand and mud. The  
temperature of the water at the  
surface was 68 degrees Fahrenheit.  
The wind was light and variable.

12 71 25

No. 2533 Date August 7, 1901  
Machine. Reel.

Turns = 22 Cor. + 42 Depth

Shot or lead 35 lb

Bottom gy. m.

Bottom temperature 46.0

No. of thermometer 53731 Cor. - 4

Corrected temperature 37.6

Air 71 Surface 77 Drift 1/2 N.

Trawl or dredge L 13

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
		0		
29 20		100	7 01 W 71	
30 25		200	59 45	
31 25		300	56 00	
32 30		400	52 30	
33 30		500	48 10	
		600	44 30	
		700	40 40	
		800	37 10	
		900	33 30	
		1000	30 00	
		1100	26 30	
		1200	23 00	
		1300	19 30	
		1400	16 00	
		1500	12 30	
		1600	9 00	
		1700	5 30	
		1800	2 00	
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

7.16

2500  
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 3400  
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 3700  
 3800  
 3900  
 4000

SERIAL TEMPERATURES

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

REMARKS:

*At mouth of ...*  
*...*

107.  
C. H. W.

No. 549

Date Aug 9

Machine. 1 Reel.

Turns 407 Cor. 25 Depth 382

Shot or lead 35

Bottom gy. M.

Bottom temperature 42°

No. of thermometer 53731 Cor. 0.4

Corrected temperature 39.6

Air 72 Surface 77 Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7.14.20		0		
7.15.30		100		
7.16.40		200		
7.18.00		300		
7.19.15		400		
7.20.30		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
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		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



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

SERIAL TEMPERATURES.

TIME.	TEMP.	NO. OF LOGS.	DIR.	WIND DIR.
45	57.2	08301		
50	57	08302		
100	217.7	08303		
150	61	08304		
200	61.5	08305		
250				
300				
350				
400				
450				
500				
550				
600				
650				
700				
750				
800				
850				
900				
950				
1000				

REMARKS.

100. 84

No. 850 Date Aug 10

Machine. 1 Reel.

Turns 608 Cor. 54 Depth 562

Shot or lead 35 lbs

Bottom gm. m.

Bottom temperature 39.6

No. of thermometer 53731 Cor. - .3

Corrected temperature 39.3

Air 71 Surface 76 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3.01		0		
02		100		
03.30		200		
05.00		300		
06.30		400		
8.05		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	

DEPTH TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	DATE.	COR. TEMP.
05				
10				
20				
30				
40				
50				
60				
70				
80				
90				
100				

REMARKS:

HT

507. 528

No. 851 Hyd Date Aug 10<sup>th</sup>

Sigsbee Machine. Reel.

Turns 378 Cor. 39 Depth 397

Shot or lead 35 lbs

Bottom gy. s.

Bottom temperature 40

No. of thermometer 53731 Cor. - .4

Corrected temperature 39.6

Air 71 Surface 76 Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

4.15.00 4.37.45

0

100

200

300

4.23.40 4.24.50

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2400	
	2300	
	2200	
	2100	
	2000	
	1900	
	1800	
	1700	
	1600	
	1500	
	1400	
	1300	
	1200	
	1100	
	1000	
	900	
	800	
	700	
	600	
	500	
	400	
	300	
	200	
	100	
	0	

CRITICAL TEMPERATURES

DEPTH	TEMP.	NO. OF THERM.	TIME	NO. THERM.
0				
5				
10				
15				
20				
25				
30				
35				
40				
45				
50				
55				
60				
65				
70				
75				
80				
85				
90				
95				
100				

REMARKS:

No. Hyd 502 Date 1 Aug 1902  
 Machine. 1 Reel.  
 Turns 269 Cor. 29 Depth 278  
 Shot or lead 35 lbs  
 Bottom gy  
 Bottom temperature 41  
 No. of thermometer 25721 Cor. - .4  
 Corrected temperature 40.6  
 Air 69 Surface 74 Drift  
 Trawl or dredge

## SOUNDING WIRE.

DOWN.

UP.

TUBES.

## DREDGE ROPE.

DOWN.

UP.

4.51.00	20.00	0		
50.20	19.50	100		
51.40	19.40	200		
52.50	19.30	300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SUBJAC. TEMPERATURES

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

REMARKS:

ser. 200

No. 1100 Date Aug 10<sup>th</sup> 1885

Sigsbee Machine. 1 Reel.

Turns 185 Cor. 21 Depth 206

Shot or lead 35 lb

Bottom gy. m.

Bottom temperature 44

No. of thermometer 65731 Cor. - 14

Corrected temperature 43.6

Air 72 Surface 75 Drift

Trawl or dredge

SOUNDING WIRE		TURNS	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5 34.30	5 41.10	0		
35.40	38.4	100		
36.30	37.20	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	TIME	NO. OF THER.	WIND	DIR. WIND
5				
10				
15				
20				
25				
30				
35				
40				
45				
50				
55				
60				
65				
70				
75				
80				
85				
90				
95				
100				

REMARKS

254

No. 2555 Date Aug 13<sup>th</sup> 85

Sigsbee Machine. 1 Reel.

Turns 123 Cor. 13 Depth 136

Shot or lead 35 lb

Bottom fm. M. + S.

Bottom temperature 45

No. of thermometer 53721 Cor. - .3

Corrected temperature 47.7

Air 72 Surface 75 Drift 1/2<sup>mi</sup> N.

Trawl or dredge S.V.

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
58.30	03.45	0	6.13.20	59.30
57.50	02.35	100	17.30	54.00
6.00.20	02.25	123	21.00	51.00
		300	26.00	6.47.00
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Down returned at 9.55 with 6 shovels, 12 Hake

Reel returned empty and 2 Hake

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

SURFACE TEMPERATURES

DEPTH	TEMP.	NO. OF THERM.	DIR.	REL. WIND.
05				
10				
15				
20				
25				
30				
35				
40				
45				
50				
55				
60				
65				
70				
75				
80				
85				
90				
95				
1000				

*Topical contained*

REMARKS:

*few strings, blue fish - low*

No. 2556 Date Aug 11<sup>th</sup> '05Wagner Machine. Reel.Turns 175 Cor. - 5 Depth 180Shot or lead 18 lbBottom fm. M. for SBottom temperature not taken

No. of thermometer \_\_\_\_\_ Cor. \_\_\_\_\_

Corrected temperature \_\_\_\_\_

Air 72 Surface 75 Drift 1/2 m N.Trawl or dredge S.B.

## SOUNDING WIRE.

## DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7.27.00	34.30	0	7.59.20	35.00
30.00	33.00	100	45.20	31.30
31.00	31.30	200	48.30	29.30
		300	52.00	25.15
		400	56.30	8.22
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURES.

DEPTH.	TEMP.	SERIAL TEMP.	DATE.	TIME TEMP.
5				
10				
20				
30				
40				
50				
60				
70				
80				
90				
100				
110				
120				
130				
140				
150				
160				
170				
180				
190				
200				

REMARKS:

*Temperature of the surface water*

No. 2557 Date Aug. 10<sup>th</sup> 1885  
 Tanner Machine. Reel.

Turns 149 Cor. 5 Depth 154

Shot or lead 18 lbs

Bottom Gr. M.

Bottom temperature 47

No. of thermometer 33721 Cor. - 3

Corrected temperature 46.7

Air 76 Surface 75 Drift  $\frac{1}{2}$  m N. N. W.

Trawl or dredge S. B.

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
8.51.00	8.52.20	0	9.00.00	38.10
52.00	54.00	100	04.05	35.20
52.30	52.20	200	07.50	32.20
		300	11.25	29.10
		340	12.30	9.25.00
		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 TEMPERATURES.

NO. 11.	TEMP.	NO. OF THER.	CHK.	CHK. TIME
25				
30				
35				
40				
45				
50				
55				
60				
65				
70				
75				
80				
85				
90				
95				
100				

REMARKS:  
 few show p. few spots on some.

597. SCP

No. 2558 Date Aug. 10<sup>th</sup> 85

Tanner Machine. Reel.

Turns 119 Cor. + 4 Depth 123

Shot or lead 18 lbs.

Bottom Gn. S.

Bottom temperature 50.50

No. of thermometer 53731 Cor. - 2

Corrected temperature 50.3

Air 76 Surface 76 Drift 1/2<sup>m</sup> N.E.

Trawl or dredge S.B.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
12.04.00	12.00	0	12.16.00	56.00
05.00	10.00	100	.21.00	53.00
		200	.23.40	50.00
		300	.27.00	12.47.18
		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				

Found none of empty. REMARKS

507. SRP

No. 2559 Date Aug 10<sup>th</sup> 20-

Tanner Machine. Reel.

Turns 116 Cor. + 4 Depth 120

Shot or lead 18 lb

Bottom br. M. & S

Bottom temperature not taken

No. of thermometer Cor.

Corrected temperature

Air 78 Surface 76 Drift 1<sup>st</sup> N. N. E

Trawl or dredge S. B.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
12.57.30	06.20	0	1.11.00	2.12.00
58.20	1.04.20	100	15.40	09.05
		200	19.30	06.15
		300	22.40	03.00
		350	24.00	2.01.10
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

6 fms returner at 4:10 with  
 1 brace pick.

Dory left ship at 1:05 to  
 see trawl line.

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

SERIAL TEMPERATURES.

DEPTH	TEMP.	WAVE TIME	DIR.	WIND TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000	Sample contained			

REMARKS:  
 few shrimp, starfish, sponges &  
 few species of fish

824

No. 2560 Date Aug. 10<sup>th</sup> 1885  
Tanner Machine. Reel.

Turns 111 Cor. + 3 Depth 114

Shot or lead 18 lbs.

Bottom br. M. S.

Bottom temperature 50.4/10

No. of thermometer 53731 Cor. - .2

Corrected temperature 50.7

Air 78 Surface 76 Drift  $\frac{1}{2}$  m N.E.

Trawl or dredge L. S.

## SOUNDING WIRE.

## DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1. 43.00	46.00	0	3. 13.25	3. 56.57
44.00	2. 44.20	100	19.40	53.30
		200	24.00	50.20
		300	27.00	3. 46.35
		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	

SERJAI, TEMPERATURIS.

DEPTH.	TEMP.	NO. OF THERM.	USE	WIND TEMP.
05				
20				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				
1500				
2000				
2500				
3000				
3500				
4000				
4500				
5000				
5500				
6000				
6500				
7000				
7500				
8000				
8500				
9000				
9500				
10000				

Fogel continued

REMARKS:

few shrimp, starfish, shells,  
species of fish

on. SEP

No. 2561 Date Aug 10<sup>th</sup> 75  
 Sigbee Machine. 1 Reel.

Turns 452 Cor. + 48 Depth 500

Shot or lead 35 lbs.

Bottom Gn. M.

Bottom temperature 39 $\frac{1}{2}$

No. of thermometer 53731 Cor. - 3

Corrected temperature 39.2

Air 89 Surface 77 Drift 1<sup>mi</sup> NxE,

Trawl or dredge L, B,

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5.37.00	42.15	0	5.53.30	34.28
38.00	47.30	100	59.15	31.25
38.50	46.30	200	6.02.15	28.10
39.50	45.25	300	05.30	25.00
41.00	5.44.15	400	08.30	22.10
		500	12.00	19.15
		600	15.15	16.15
		700	18.50	13.00
		800	22.35	09.35
		900	26.30	06.00
		1000	31.30	7.02.15
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2900	
	2800	
	2700	
	2600	
	2500	
	2400	
	2300	
	2200	
	2100	
	2000	
	1900	
	1800	
	1700	
	1600	
	1500	
	1400	
	1300	
	1200	
	1100	
	1000	
	900	
	800	
	700	
	600	
	500	
	400	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	EXP.	W. IN. THER.
25				
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.

3 pole thermometer  
 8 bottles, 20 specimens  
 1000 m, number of cells  
 several specimens of *Aspergillus*  
 2 bottles

no. SLP

No. 854 Hyd Date Aug. 10<sup>th</sup> 85

Sigsbee Machine. Reel.

Turns 341 Cor. + 37 Depth 378

Shot or lead 35 lbs

Bottom fm. S.

Bottom temperature 40

No. of thermometer 5-3731 Cor. - 4

Corrected temperature 39.6

Air 76 Surface 77 Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<u>7.42.20</u>	<u>52.10</u>	<u>0</u>
<u>42.50</u>	<u>57.00</u>	<u>100</u>
<u>74.10</u>	<u>50.20</u>	<u>200</u>
<u>45.50</u>	<u>48.10</u>	<u>300</u>
<u>46.40</u>		<u>341</u>

341

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.	STA.	SUR. WIND.
15	62.2	53721	-2	62
20	56.0	53721	-2	55.5
300	49.2	53731	-2	49
200	42.5	53731	-4	42.1
20	40.5	53731	-4	40.1
40				
50				
60				
70				
80				
90				
100				

REMARKS:

No. 3562 Date August 11<sup>th</sup> 1885.

Sigsbee Machine. 1 Reel.

Turns 1305 Cor. + 129 Depth 1434

Shot or lead 30 lb.

Bottom gy. s.

Bottom temperature 37.5

No. of thermometer 53731 Cor. - 2

Corrected temperature 37.3

Air 76 Surface 76 Drift 1<sup>st</sup> 1.6 x 1/2

Trawl or dredge Large Beam.

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
5.04.30	31.45	0	5.53.00	44.30
05.30	31.00	100	05.00	41.15
06.30	30.10	200	06.02.40	38.15
07.30	29.20	300	06.30	35.30
08.45	28.30	400	07.30	32.15
09.45	27.40	500	08.30	29.30
10.45	26.45	600	09.30	26.20
11.50	25.50	700	10.00	23.45
12.50	24.50	800	10.00	21.30
13.50	23.50	900	10.00	18.45
14.05	22.15	1000	10.45	15.15
15.05	21.05	1100	11.00	12.00
16.30	19.50	1200	11.00	09.00
17.30	18.20	1300	11.00	05.30
		1400	11.00	02.00
		1500	11.00	58.20
		1600	11.45	54.45
		1700	12.30	51.20
		1800	13.02.30	48.05
		1900	13.30	44.45
		2000	14.15	41.30
		2100	14.15	37.30
		2200	14.30	33.00
		2300		
		2400		

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

SERIAL TEMPERATURES.

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

REMARKS:

Several deep fish - 2 or 3 stars - 2 or 4 Calothrix - 1 or 2 Ectocarpus sp. *Chlorella* *Prorocentrum* *Microcystis*; several small starfish and fish scales and broken cups - coral.

No. 2563 Date August 11 1885.

Sigsbee Machine. / Reel.

Turns 1293 Cor. + 129 Depth 1422

Shot or lead 35 lb.

Bottom gy. sy.

Bottom temperature 37.6

No. of thermometer 53731 Cor. - 2

Corrected temperature 37.4

Air 82 Surface 77 Drift 1<sup>st</sup> ft.

Trawl or dredge Large Beam

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
08.30	25.10	0	10.30.00	10.00
09.00	26.30	100	34.00	06.30
09.50	28.45	200	38.15	03.30
10.50	32.55	300	42.15	2.00.30
11.50	38.00	400	46.10	58.00
12.50	41.00	500	50.10	55.15
01.00.15	40.00	600	54.10	52.30
01.30	38.25	700	58.00	49.00
02.45	38.00	800	11.02.15	47.15
04.00	37.00	900	05.45	44.15
05.30	36.00	1000	03.15	41.15
07.00	35.00	1100	15.00	38.30
08.50	34.00	1200	16.45	35.50
10.15	33.00	1300	20.00	32.30
		1400	24.15	29.40
		1500	28.00	26.15
		1600	32.00	23.31
		1700	36.00	20.45
		1800	40.00	17.50
		1900	43.45	15.45
		2000	47.45	10.00
		2100	52.00	06.45
		2200	56.15	03.00
		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.	DATE	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS

Let the depth be 1000 fms. depth -  
 1000 fms. depth - 1000 fms. depth -  
 some more distances - 1000 fms.  
 from the same point.

No. 2564 Date August 18 1880

Machine. 1 Reel.

Turns 1270 Cor. + 126 Depth 1396

Shot or lead 35 lb

Bottom gy. oz.

Bottom temperature 37.5

No. of thermometer 53121 Cor. -.2

Corrected temperature 37.3

Air 79 Surface 78 Drift 1<sup>30</sup> N.E. 1/2 N.

Trawl or dredge Large Beam.

## SOUNDING WIRE.

## DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2. 23.00	44.30	0	2. 22. -	05. 15
23. 45	43.40	100	25. 45	7. 07. 30
24. 45	42.50	200	28. 45	19. 45
25. 30	42.00	300	32. 50	16. 45
26. 15	41.00	400	37. 40	20. 55
27. 00	40.00	500	40. 45	21. 00
28. 05	39.00	600	44. 30	47. 30
29. 00	38.00	700	48. 15	44. 40
30. 20	37.10	800	52. 15	40. 15
31. 45	36.00	900	56. 00	35. 30
33. 10	34.45	1000	4. 00. 00	32. 45
34. 30	33.45	1100	04. 00	27. 00
36. 00	32.45	1200	07. 45	27. 20
38. 10	31.30.00	1300	10. 00	22. 00
		1400	13. 45	17. 00
		1500	17. 20	13. 00
		1600	21. 15	11. 45
		1700	25. 00	08. 30
		1800	29. 00	05. 15
		1900	33. 00	6. 00. 00
		2000	37. 00	01. 15
		2100	41. 00	00. 00
		2200	45. 00	5. 07. 00
		2300		
		2400		

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

1366 654  
2200  
-----  
304  
155  
-----  
155

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	61.8	54820	-.2	61.6
50	58.3	54820	-.2	58.1
100	51.5	54820	-.2	51.3
200	49.	54820	-.2	48.8
300	40.5	54820	-.2	40.3
400	40.5	53723	-.5	40
500	39.8	54822	-.4	39.4
600	39.5	54511	-.5	39
700	39.2	54824	-.1	39.1
800	38.3	53723	-.5	37.8
900	38.5	54820	-.3	38.2
1000	41.7	50721	-.4	41.3

REMARKS:

Temperature in each of the bottles  
for successive readings and also  
stable

No. 2565 Date 11/19/00 780

Machine. 1 Reel.

Turns 103 Cor. + 17.4 Depth 206.4

Shot or lead 60 lbs

Bottom G + B gy

Bottom temperature 36.2

No. of thermometer 54810 Cor. - .6

Corrected temperature 36.2

Air 72 Surface 77 Drift S 5 E

Trawl or dredge C.B.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
*		0	12 51 00	2 30 00
		100	34 30	23 00
		200	56 30	44 55
		300	1 10 30	26 55
		400	23 30	18 55
		500	46 10	10 55
		600	68 25	2 20
		700	13 10	27 20
		800	37 05	25 10
		900	41 25	22 20
		1000	25 20	20 10
		1100	23 10	17 10
		1200	41 30	13 10
		1300	26 50	09 40
		1400	50 00	10 10
		1500	42 30	07 30
		1600	47 30	05 10
		1700	1 20 10	02 10
		1800	25 30	02 10
		1900	10 30	29 30
		2000	2 21 30	26 00
		2100	25 10	43 00
		2200	5 20	39 15
		2300	11 50	33 20
		2400	16 50	4 09 00

12.58  
\* 1.13



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	77	521822	-.3	76.5
50	54	511822	-.3	53.7
100	53	52732	-.3	53.1
200	52	52731	-.2	54.2
300	47.2	54724	0	49.9
400	42	54120	-.2	40.1
500	37.2	52720	-.5	39.4
600	37.2	53724	-.5	38.7
700	37.2	52120	-.2	39
800	38.2	54822	-.3	38.6
900	39.2	54821	-.7	38.8
1000	38.4	53728	-.3	38.6

REMARKS:

~~5299 - 54822~~  
5299 - 54822 - .3 = 39.2

No. 2566

Date

Aug. 29<sup>th</sup> 85

Sigsbee Machine. / Reel.

Turns 2410 Cor. + 210

Depth 2620

Shot ~~35~~ 60 lbs.

Bottom

gy og

Bottom temperature

36.2

No. of thermometer

53733

Cor.

-4

Corrected temperature

36.4

Air 75

Surface

80

Drift 2<sup>nd</sup> SW X S

Trawl or dredge

L. B.

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
4.04.00	5.24.00	0	5.39.00	1.31.00
		100	43.00	1 02.15
		200	47.10	58.30
		300	51.15	55.00
		400	55.00	51.30
		500	58.50	48.25
		600	6.02.15	45.00
		700	06.05	41.15
		800	10.15	38.00
		900	15.00	35.00
		1000	18.30	31.30
		1100	23.00	27.30
		1200	27.05	24.00
		1300	30.40	20.27
		1400	34.40	16.50
		1500	39.00	12.12
		1600	42.40	07.55
		1700	45.40	04.00
		1800	49.00	12.00.30
		1900	52.45	56.40
		2000	57.00	52.05
		2100	7.01.30	48.10
		2200	04.20	45.20
		2300	07.00	41.40
		2400	10.15	11.37.50

When heaving in a kink in the wire at 58 fms. caused some delay in getting the trawl aboard

Cut off 80 fms dredge rope

4,415.00	4,46.20	24 <sup>10</sup> 2500	7. 13.30	33.40
		2600	16.30	29.30
		2700	19.45	25.20
		2800	24.00	21.18
		2900	28.30	17.15
		3000	33.30	13.15
		3100	37.35	09.15
		3200	41.15	04.45
		3300	45.00	11.00.15
		3400	48.50	55.45
		3500	53.15	51.00
		3600	58.00	46.15
		3700	8. 02.15	41.30
		3800	06.15	37.00
		3900	11.00	32.45
6.45		4000	15.00	10.27.00

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	81	53731	+ .2	81.2
50	79	53733	+ .2	79.2
100	66 <sup>6</sup>	54823	0	66.6
200	64 <sup>8</sup>	54820	- .2	64.6
300	63	54823	0	63
400	59	53738	+ .1	59.1
500	54 <sup>4</sup>	54822	- .4	53.7
600	45 <sup>6</sup>	53734	- .3	45.3
700	41	54821	- .3	40.7
800	40 <sup>5</sup>	53731	- .3	40.2
900	39 <sup>9</sup>	50312	- .4	39.5
1000	39 <sup>5</sup>	52732	- .2	39.3

REMARKS:

2 Starfish, number of ophiurians.  
 7 or 8 species of shells, benthobion.  
 Brachyopa, large shrimp, several  
 species of worms, Holothurians  
 Foraminifera.

16.4 mch 307m slow

591.

No. 2567 Date Aug 30 1885  
 Machine. 1 Reel.  
 Turns 2515 Cor. + 216 Depth 2731  
 Shot or lead 60 lb  
 Bottom S. gy  
 Bottom temperature 96.2  
 No. of thermometer 53798 Cor. - 3  
 Corrected temperature 36.4  
 Air 72 Surface 78 Drift  
 Trawl or dredge L.R.

SOUNDING WIRE.

DREDGE ROPE.

DOWN, UP, TURNS, DOWN, UP.

DOWN,	UP,	TURNS,	DOWN,	UP.
3.32.00	03.00	0	4.57.20	
	02.20	100	04.00	
	01.30	200	05.30	
	00.50	300	10.50	
	00.00	400	11.30	
	59.20	500	15.00	
	58.40	600	01.30	
	57.55	700	26.00	
	57.10	800	27.25	
	56.20	900	30.00	
	55.35	1000	38.00	
	54.50	1100	41.25	
	54.00	1200	45.30	
05.00	43.00	1300	49.00	
06.00	39.30	1400	51.00	
07.00	36.30	1500	56.30	
08.00	33.20	1600	60.00	
09.35	30.20	1700	06.10	
40.45	27.20	1800	09.00	
03.45	24.00	1900	11.25	
05.40	20.00	2000	14.25	
06.15	16.20	2100	18.00	
08.15	12.00	2200	21.30	
10.10	08.10	2300	27.30	
12.10	04.15	2400	33.35	



No. 855 Hyd Date Aug. 31<sup>st</sup> 1885

Sigsbee Machine. 1 Reel.

Turns 1782 Cor. + 167 Depth 1949

Shot or lead 60 lbs

Bottom lt br. glob. oz

Bottom temperature 36.6 ~~2.2~~

No. of thermometer 53731 Cor. -.2

Corrected temperature 36.4

Air 72 Surface 75 Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.
5.14.30	14.00	0
16.00	13.00	100
17.20	12.10	200
18.45	11.10	300
19.50	10.10	400
21.00	09.05	500
22.00	08.00	600
23.00	06.50	700
24.30	05.30	800
26.00	04.15	900
27.30	03.00	1000
29.00	6 01.10	1100
30.35	57.00	1200
32.00	55.00	1300
33.30	53.15	1400
35.00	51.20	1500
36.20	49.25	1600
38.05	47.00	1700
39.30	46.00	1782 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	TIME	% OF TIME	USE	DATE
25				
30				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

NUMBERS-

559

No. 2568 Date Aug 31" 1885

Sigsbee Machine. / Reel.

Turns 1626 Cor. + 155 Depth 1781

Shot or lead 60 lbs.

Bottom gy oz

Bottom temperature 37.1

No. of thermometer 53731 Cor. - .2

Corrected temperature 36.9

Air 72 Surface 75 Drift 1/4 N x E

Trawl or dredge LB

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8.55.00	39.30	0	9 48.00	35.20
56.00	38.30	100	52.10	32.00
57.05	37.40	200	56.40	29.00
58.15	36.45	300	59.45	26.00
59.30	35.50	400	03.45	23.00
9 01.00	35.00	500	08.45	20.00
02.25	33.50	600	12.45	16.20
03.30	32.50	700	16.35	12.30
05.20	31.40	800	21.35	09.15
07.00	30.40	900	25.15	05.30
08.30	29.15	1000	28.45	2 01.30
10.00	28.10	1100	32.30	57.30
11.40	27.00	1200	36.30	53.45
12.30	26.00	1300	40.15	50.30
15.00	24.40	1400	44.10	46.45
16.40	23.00	1500	47.45	42.50
18.30	21.30	1600	51.35	39.00
19.05	20.30	1626	55.40	34.45
		1700	59.35	30.30
		1800	03.35	26.00
		1900	08.00	22.00
		2000	12.00	18.00
		2100	16.10	14.00
		2200	20.30	10.00
		2300	25.00	06.15



	2500	29.00	02.30
	2600	32.40	58.50
	2700	36.40	55.00
	2800	41.50	2-50.00
	2900		
	3000		
	3100		
	3200		
	3300		
	3400		
	3500		
	3600		
	3700	17.61	W 12.80
		2.400	* 9.0
	3800	18.18	
		5.10	
	3900	12.8	16.7 12.8
	4000		

SERIAL TEMPERATURES.

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

Trawl contained  
 few brittle stars, Sea cucumber, many  
 numerous Holothurians, 2 species of  
 sea anemones, 15 species of shells,  
 numerous foraminifera, few Nemert  
 Grabs, few shrimp

No. 2569 Date Aug 31<sup>st</sup> 1885  
 Sigbee Machine. 1 Reel.

Turns 1627 Cor. + 155 Depth 1782

Shot ~~on board~~ 60 lbs

Bottom Gy oz

Bottom temperature 37<sup>2</sup>

No. of thermometer 53731 Cor. -.2

Corrected temperature 37

Air 74 Surface 75 Drift <sup>m</sup> SSW

Trawl ~~on dredge~~ L.B.

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
7 2 300	04.00	0	3.04.00	19.00
2 4 20	03.10	100	08.10	14.00
2 5 20	02.25	200	12.10	10.30
2 6 15	01.30	300	16.10	07.00
2 7 25	8.00.35	400	20.00	7.03.00
2 8 25	59.35	500	24.00	59.00
2 9 30	58.35	600	28.10	55.40
3 0 35	57.35	700	32.30	52.25
3 1 40	56.15	800	36.30	49.10
3 2.55	55.05	900	40.50	45.40
3 4 00	54.00	1000	45.40	42.05
3 5.15	53.35	1100	49.45	38.20
3 6.40	51.20	1200	52.55	34.25
3 8 00	50.00	1300	57.10	30.25
3 9 45	48.00	1400	4 01.30	26.30
4 1 20	46.30	1500	05.30	22.20
4 3 00	44.00	1600	09.15	18.00
4 3 20	43.35	1700	13.10	13.40
		1800	17.00	09.40
		1900	20.30	06.00
		2000	24.15	02.15
		2100	28.40	58.25
		2200	33.00	54.25
		2300	38.00	50.00
		2400	42.20	46.15

2900	47.4630	4245
2600	50.40	5330
2700		
2800		
2900		
3000		
3100		
3200		
3300		
3400		
3500		
3600	1) 1782	
	594	
3700	2276	
3800	051	
3900	2673	
4000		

SERIAL TEMPERATURES.

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

REMARKS.

Number of Corals, Several broken paper mounted shells, number of Molauk Crustaceans, Coral

No. 856 Date Sept 20 1900

Machine. 1 Reel.

Turns 1940 Cor. + 167 Depth 5000

Shot or lead 66 lb

Bottom gy s

Bottom temperature 37

No. of thermometer 03731 Cor. + 1.2

Corrected temperature 36.8

Air 72 Surface 72 Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
	39.00	0		
01.00	38.00	100		
02.00	37.30	200		
03.00	37.00	300		
04.00	36.30	400		
05.00	35.30	500		
06.00	34.30	600		
07.00	33.30	700		
08.00	32.30	800		
09.00	31.30	900		
10.00	30.30	1000		
11.00	29.30	1100		
12.00	28.30	1200		
13.00	27.30	1300		
14.00	26.30	1400		
15.00	25.30	1500		
16.00	24.30	1600		
17.00	23.30	1700		
18.00	22.30	1800		
19.00	21.30	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. 2570 Date Jan 12 1881Machine. 1 Reel.Turns 157 Cor. + 154 Depth 311Shot or lead 60Bottom S. M.Bottom temperature 37°No. of thermometer 3231 Cor. - .2Corrected temperature 36.8Air 72 Surface 72 Drift 1-1100Trawl or dredge Lump Bottom

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		



No. 2571 Date Sept 11, 1901  
Machine. / Reel.

Turns 1205 Cor. + 12 ft Depth 1356  
Shot or lead 35 lb  
Bottom gy. M. S. G.  
Bottom temperature 38.2  
No. of thermometer 03781 Cor. -.2  
Corrected temperature 37.8  
Air 75 Surface 72 Drift 1- North  
Trawl or dredge L. B.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
12.00.00	05.25	0	1.07.00	21.00
12.00.15	05.25	100	1.11.00	16.30
12.00.30	05.25	200	1.15.00	13.00
12.00.45	05.25	300	1.19.00	09.30
12.01.00	05.25	400	1.23.00	06.00
12.01.15	05.25	500	1.27.00	02.30
12.01.30	05.25	600	1.31.00	00.00
12.01.45	05.25	700	1.35.00	25.00
12.02.00	05.25	800	1.39.00	21.30
12.02.15	05.25	900	1.43.00	18.00
12.02.30	05.25	1000	1.47.00	14.30
12.02.45	05.25	1100	1.51.00	11.00
12.03.00	05.25	1200	1.55.00	07.30
12.03.15	05.25	1300	1.59.00	04.00
		1400	2.03.00	28.10
		1500	2.07.00	23.40
		1600	2.11.00	19.10
		1700	2.15.00	14.40
		1800	2.19.00	10.10
		1900	2.23.00	05.40
		2000	2.27.00	01.10
		2100	2.31.00	38.30
		2200	2.35.00	34.00
		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	65.2	51731	-.1	65.7
50	60	51732	+.2	60.2
100	55.1	51732	-.2	54.5
200	48.2	51732 <sup>2</sup>	-.2	48.7
300	43	52732	-.2	41.5
400	38.2	54120	-.2	40
500	37.2	50734	-.2	37.7
600	37.3	50131	-.5	38.5
700	37.3	50133	-.3	38.9
800	37	50123	-.1	37.9
900	37	50120	-.3	37.5
1000				

REMARKS:

587.

S.P.

No. 2572 Date Sept 2<sup>d</sup> 1885

Sigsbee Machine. 1 Reel.

Turns 1615 Cor. + 154 Depth 1769

Shot ~~on lead~~ 35 lbs

Bottom gy oz.

Bottom temperature 38

No. of thermometer 53731 Cor. - .2

Corrected temperature 37.8

Air 72 Surface 72 Drift 1/2<sup>m</sup> W.

Trawl or dredge L.B.

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
08 00	53.05	0	5.00.00	4730
09.30	52.20	100	07.00	43.45
11.00	51.30	200	13.00	40.00
12.20	50.45	300	16.40	36.00
13.30	49.55	400	20.30	32.00
14.45	49.00	500	24.10	28.30
16.00	48.00	600	28.00	23.25
17.50	47.00	700	31.45	19.15
19.15	46.05	800	35.50	15.15
20.50	45.00	900	41.00	11.45
22.30	44.00	1000	45.00	08.15
24.30	42.50	1100	48.00	04.40
26.35	41.40	1200	51.20	0.130
28.45	40.30	1300	55.15	61.45
30.30	39.00	1400	58.45	54.30
32.10	37.10	1500	602.20	49.50
34.00	36.00	1600	05.20	45.30
		1700	10.10	41.30
		1800	14.30	38.15
		1900	18.30	27.00
		2000	22.15	20.30
		2100	26.15	13.30
		2200	30.00	07.00
		2300	34.00	8, 00.00
		2400	38.30	7, 53.30

	2500	6, 42.35	47.30
	2600	46.25	41.00
	2700	50.15	35.30
	2800	54.20	7. 30.00
	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:

Large quantity of foam on surface  
 2 1/2 ft. of foam on surface  
 1 1/2 ft. of foam on surface  
 1 1/2 ft. of foam on surface

507. SLP 12 minutes slow

No. 2573 Date Sept 2<sup>d</sup> 1885

Sigsbee Machine. / Reel.

Turns 1590 Cor. + 152 Depth 1742

Shot or lead 35

Bottom Gy. M. & S.

Bottom temperature 37 1/2

No. of thermometer 53731 Cor. -.2

Corrected temperature 37.3

Air 71 Surface 71 Drift 1<sup>m</sup> WNW.

Trawl or dredge S.B.

SOUNDING WIRE.			DREDGE ROPE.	
DOWN.	UP.	TURNS.	DOWN.	UP.
11,00,00	4320	0	12,00,00	14,30
01.00	4235	100	05.00	11.15
02.10	4145	200	08.45	07.45
03.20	4080	300	11.00	04.40
04.40	40.10	400	15.05	01.10
06.00	39.15	500	21.15	57.25
07.15	38.15	600	26.25	54.25
08.30	37.15	700	30.10	49.30
10.45	36.10	800	33.40	45.30
12.15	35.00	900	37.40	41.25
13.50	33.55	1000	41.00	36.20
15.30	32.50	1100	44.30	32.00
17.05	31.35	1200	48.30	27.00
18.40	30.15	1300	53.00	23.00
20.15	29.00	1400	56.50	19.00
22.00	27.45	1500	59.45	14.15
23.20	26.30	1590 1600	03.45	09.40
		1700	09.45	04.45
		1800	14.45	01.00
		1900	18.30	55.40
		2000	22.25	50.40
		2100	25.50	46.00
		2200	30.20	41.20
		2300	35.20	35.30
		2400	39.30	30.20

2500	45.00	25.15
2600	49.20	3.20.00
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	68 <sup>3</sup>	53731	0	68.3
50	61	54821	0	61
100	53	54820	-.2	52.8
200	49 <sup>4</sup>	52724	0	49.4
300	42 <sup>1</sup>	54823	-.1	42
400	40 <sup>6</sup>	54822	-.4	40.2
500	40	53734	-.3	39.7
600	39 <sup>6</sup>	53733	-.5	39.1
700	39 <sup>6</sup>	53738	-.2	39.4
800	39	50312	-.4	38.6
900	39	52732	-.2	38.8
1000	38 <sup>4</sup>	50306*	-.3	38.1

REMARKS: few starfish, ophiurians, sea urchins, sponge, coral, hydroids, medusae in abundance; 1 or 2 Blue Hake.

March 4500 ft

~~W. H. D.~~

No. 8571 Date Sept-30/00

Sigsbee Machine. / Reel.

Turns 1840 Cor. + 169 Depth 2009

Shot or lead 60 lb

Bottom gy. Glob. g.

Bottom temperature Still ind. register

No. of thermometer Cor.

Corrected temperature

Air 63 Surface 71 Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.
31.30 40	18.25	0
31.25	17.30	100
32.15	16.50	200
33.10	15.55	300
34.10	15.00	400
35.15	14.15	500
36.20	13.15	600
37.30	12.05	700
38.40	11.00	800
39.50	09.50	900
40.05	08.35	1000
42.20	07.30	1100
43.40	06.10	1200
44.55	04.45	1300
46.20	03.25	1400
47.45	01.55	1500
49.05	00.30	1600
50.30	58.55	1700
52.00	57.20	1800
53.50	56.30	1900
		2000
		2100
		2200
		2300
		2400



Watch W-M slow

No. 2574 Date Sept 30/80

Sigsbee Machine. 1 Reel.

Turns 1636 Cor. + 255 Depth 1791

Shot ~~or lead~~ 60 lb

Bottom yf Clay g.

Bottom temperature 37

No. of thermometer 53733 Cor. - .3

Corrected temperature 36.7

Air 65 Surface 71 Drift 1 10 21 W

Trawl ~~or dredge~~ L. B.

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
5.49.20	30.00	0	6.34.50	41.10
50.20	29.10	100	40.30	45.20
51.20	28.20	200	44.30	42.30
53.15	27.30	300	47.30	39.50
54.10	26.30	400	49.55	36.50
55.05	25.35	500	52.00	34.00
55.05	24.50	600	55.20	31.20
56.10	23.35	700	58.55	28.35
57.20	22.30	800	7.02.35	25.45
58.20	21.30	900	59.00	22.50
6.00.00	20.25	1000	04.50	20.00
01.30	19.30	1100	15.15	17.20
02.51	18.00	1200	17.15	14.15
04.10	16.50	1300	22.55	11.10
05.40	15.30	1400	25.50	08.05
07.05	14.25	1500	29.00	05.05
08.20	13.05	1600	53.20	16.21.45
09.00	12.20	1636	36.55	58.20
		1700	41.20	54.40
		1800	44.30	57.50
		1900	47.40	62.00
		2000	50.40	68.00
		2100	54.10	74.00
	84	2200	57.40	80.00
	65	2300	8.07.15	30.50
	7.59	2400		



	2500	16.5	25.0
	2600	16.5	25.0
	2700	16.5	25.0
	2800		
	2900		
	3000		
	3100		
	3200		
	3300		
	3400		
	3500		
	3600		
	3700		
	3800		
	3900		
	4000		

SERIAL TEMPERATURES

DEPTH	TEMP	NO. OF THER.	TIME	LOG. TEMP
25				
30				
35				
40				
45				
50				
55				
60				
65				
70				
75				
80				
85				
90				
95				
100				

REMARKS

The boat is being used  
 for the purpose of  
 ...

No. 2575 Date Sept-3<sup>d</sup> 1885

Sigsbee Machine. 1 Reel.

Turns 1559 Cor. + 151 Depth 1710.

Shot or lead 35 lb

Bottom gy. s.

Bottom temperature 27.5

No. of thermometer 53753 Cor. - .4

Corrected temperature 27.1

Air 64 Surface 71 Drift 1.6 west

Trawl or dredge S. B.

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
12 04 00	105 55	0	12 58 00	57 00
15 00 00	45 00	100	15 02 55	55 40
16 05 15	42 20	200	16 07 15	51 00
17 10 30	39 30	300	17 11 30	48 20
18 15 45	36 35	400	18 15 45	45 45
19 21 00	33 45	500	19 20 00	43 15
20 26 15	30 55	600	20 24 15	39 45
21 31 30	28 00	700	21 28 30	36 37
22 36 45	25 10	800	22 32 45	33 50
23 42 00	22 20	900	23 37 00	30 40
24 47 15	19 30	1000	24 41 15	27 45
25 52 30	16 40	1100	25 45 30	24 55
26 57 45	13 50	1200	26 49 45	21 20
28 03 00	11 00	1300	27 54 00	17 45
29 08 15	8 10	1400	28 58 15	14 15
30 13 30	5 20	1500	29 02 30	10 50
31 18 45	2 30	1600	30 06 45	07 30
		1700	31 11 00	03 45
		1800	32 15 15	00 05
		1900	33 19 30	57 55
		2000	34 23 45	53 30
		2100	35 28 00	49 00
		2200	36 32 15	45 35
		2300	37 36 30	41 30
		2400	38 40 45	37 00

2500	33.5	33.5
2600	32.5	32.5
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	71.5	54521	0	71.2
50	59.5	54522	0	59.1
100	53	54523	-.2	52.8
200	47.5	54524	-.1	47.
300	41.5	54525	-.4	41.3
400	41.5	54526	-.2	40.2
500	40.5	54527	-.2	39.8
600	39.5	54528	-.3	39.3
700	39.5	54529	-.6	38.7
800	39	54530	-.2	38.8
900	38.5	54531	-.4	38.4
1000	38.5	54532	-.3	38

REMARKS:

...  
 ...  
 ...  
 ...  
 ...

S.P.P.  
WT.

No. 2576 Date Sept 4<sup>th</sup> 1883

Tanner Machine. Reel.

Turns 18 Cor. + Depth 18

Shot or lead 18 lb

Bottom cas rch. S. yb Sp

Bottom temperature none taken

No. of thermometer Cor.

Corrected temperature

Air 64 Surface 61 Drift 1/4<sup>th</sup> NW x W.

Trawl or dredge S.B.

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
P.M. DOWN.	UP.		DOWN.	UP.
1.38 00		0	1 58 00	2.16.00
		18	2.02.00	2.11.00
		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:

Large quantity of *Sargassum*,  
*Levontia* herbs, *Ruscus*,  
 few star fish & pole flounders  
 Small crabs.

SLP

No. 2577 Date Sept 4<sup>th</sup> 1885  
 Tanner Machine. Reel.

Turns 31 Cor. 1 Depth 32

~~Shot or lead~~ 18 lbs

Bottom mod. yl. S + P

Bottom temperature none taken

No. of thermometer Cor.

Corrected temperature

Air 64 Surface 61 Drift  $\frac{1}{4}$  WNW

Trawl or dredge S.B.

SOUNDING WIRE.

DREDGE ROPE.

P.M.	SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
	DOWN.	UP.		DOWN.	UP.
2.52.00	3.53.00		0	2.55	16.00
			65	2.57.45	3.13.00
			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.	TIME.	WIND TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Lead, Bussens, Seals, and shells

No. 2578 Date Sept 4<sup>th</sup> 1885  
 Tanner Machine. Reel.

Turns 36 Cor. + 1 Depth 37

~~Shot or lead~~ 18 lbs

Bottom fine wh. S. bk. sp.

Bottom temperature 54.5

No. of thermometer 53733 Cor. - .1

Corrected temperature 54.4

Air 63 Surface 60 Drift  $\frac{1}{4}$ " WNW

Trawl or dredge S.B.

## SOUNDING WIRE.

## DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
P.M. 4.27.00	4.29.00	0	4.34.00	06.00
		75	38.30	5.02.00
		100	32.00	
		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.	TIME	LOCAL TIME.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:  
few shrimp, sand dollars,  
hake

577. SLP

No. 2579 Date Sept 4" 1884

Tanner Machine. Reel.

Turns 68 Cor. 2 Depth 70

Shot or lead 18 lbs

Bottom fine, dk. gy. S.

Bottom temperature 42.8

No. of thermometer 53733 Cor. -.6

Corrected temperature 42.2

Air 62 Surface 61 Drift 1/4<sup>th</sup> W

Trawl or dredge S.B.

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<u>P.M.</u> <u>6, 17.00</u>	<u>6, 19.00</u>	<u>0</u>	<u>6, 20.00</u>	<u>50.30</u>
		<u>100</u>	<u>24.00</u>	<u>47.30</u>
		<u>200</u>	<u>28.00</u>	<u>6 44.00</u>
		<u>300</u>		
		<u>400</u>		
		<u>500</u>		
		<u>600</u>		
		<u>700</u>		
		<u>800</u>		
		<u>900</u>		
		<u>1000</u>		
		<u>1100</u>		
		<u>1200</u>		
		<u>1300</u>		
		<u>1400</u>		
		<u>1500</u>		
		<u>1600</u>		
		<u>1700</u>		
		<u>1800</u>		
		<u>1900</u>		
		<u>2000</u>		
		<u>2100</u>		
		<u>2200</u>		
		<u>2300</u>		
		<u>2400</u>		

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.
95				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

## REMARKS

Many large barnacles, few sea anemones, many shells, few flounders, sculpin.

507. SLP

No. 2580

Date Sept 4<sup>th</sup> 1885

Tanner Machine. Reel.

Turns 81 Cor. + 2 Depth 83

~~Shot~~ lead 18 lbs

Bottom gl. S. bk. Sp.

Bottom temperature 43

No. of thermometer 53733 Cor. -.6

Corrected temperature 42.4

Air 64 Surface 62 Drift  $\frac{1}{4}$  W.

Trawl or dredge S.B.

SOUNDING WIRE.

DREDGE ROPE.

P.M.	SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
	DOWN.	UP.		DOWN.	UP.
8.04 00	8.07 00	0	8.10.00	43 20	
.04.45	8.06 00	100	15.00	40.00	
		200	20.00	36.45	
		300	22.30	8. 35.00	
		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 TEMPERATURES.

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

REMARKS

Sea machine Sea anemones  
 few shales & sculpin, sponges,  
 shells, shrimp, ascidians.

No. 2581

Date July 1st 1881

Ligatus Machine, Reel.

Turns 355 Cor. + 39 Depth 394

Shot or lead 35 lb

Bottom gy. M.

Bottom temperature 70.5

No. of thermometer Cor.

Corrected temperature

Air 66 Surface 70 Drift 1/2 m South

Trawl or dredge L.B.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
1 21.00	7 20.00	0	8 21.50	5 1.00
		100	28 05.55	22.30
		200	35 00	28.20
		300	38 45	06.20
		400	41 20	03.00
		500	44 20	49.00
		600	51 20	46.00
		700	56 45	45.15
		800	7.06.30	9 44.00
		900	* 21	21
		1000	7.21.20	10.22.40
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2 21.00  
 7 20.00  
 100  
 200  
 300  
 400  
 500  
 600  
 700  
 800  
 900  
 1000  
 1100  
 1200  
 1300  
 1400  
 1500  
 1600  
 1700  
 1800  
 1900  
 2000  
 2100  
 2200  
 2300  
 2400

\* Blank reel  
 21  
 7.21.20

	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:

0.000

1.000

2.000

11 Oct 1895 - Star

No. 858 (Type) Date Sept. 10/95 -

Machine. / Reel.

Turns 264 Cor. + 27 Depth 291 -

Shot or lead 35 lb

Bottom gy. M

Bottom temperature

No. of thermometer 50 - 100 Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10:51:00	10:51:00	0		
10:52:00	10:52:00	100		
10:53:00	10:53:00	200		
10:54:00	10:54:00	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	TIME	NO. OF THER.	CLASS	TEMP. READ
05				
10				
15				
20				
25				
30				
35				
40				
45				
50				
55				
60				
65				
70				
75				
80				
85				
90				
95				
100				

REMARKS:

307. *17 m Blue*

No. *2582* Date *Sept. 18 / 85*

*Sigsbee* Machine. / Reel. Turns *124* Cor. + *13* Depth *137*

Shot or lead *33 lb*

Bottom *gy. m.*

Bottom temperature *47.2*

No. of thermometer *53738* Cor. - *.3*

Corrected temperature *47.2*

Air *68* Surface *70* Drift *1/2 N E*

Trawl or dredge *L 18 -*

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
<i>51.50</i>	<i>55.10</i>	<i>0</i>	<i>2.16 -</i>	<i>3.00.15</i>
<i>53.05</i>	<i>54.45</i>	<i>100</i>	<i>40. -</i>	<i>20.15</i>
<i>53.50</i>	<i>54.20</i>	<i>200</i>	<i>04.30</i>	<i>22.00</i>
		<i>300</i>	<i>50 -</i>	<i>3.17.15</i>
		<i>400</i>		
		<i>500</i>		
		<i>600</i>		
		<i>700</i>		
		<i>800</i>		
		<i>900</i>		
		<i>1000</i>		
		<i>1100</i>		
		<i>1200</i>		
		<i>1300</i>		
		<i>1400</i>		
		<i>1500</i>		
		<i>1600</i>		
		<i>1700</i>		
		<i>1800</i>		
		<i>1900</i>		
		<i>2000</i>		
		<i>2100</i>		
		<i>2200</i>		
		<i>2300</i>		
		<i>2400</i>		

*50  
17  
08*

*56  
55  
2.17*

*W. 2. Bu. buoy replaced by 17 m. Standard*

*at end of each lead, 100 ft.*

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

SERIAL TEMPERATURES

DEPTH.	TEMP.	SIL. IN THERM.	COR.	COR. TEMP.
25				
30				
40				
50				
60				
70				
80				
90				
100				

REMARKS.

On track of Trench  
 ...  
 ...  
 ...

No. 2583

Date Sept 18, 1902

Machine. Reel.

Turns 120 Cor. + 10 Depth 131

Shot or lead 35

Bottom gy S.

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 68 Surface 70 Drift 1/2 SSW

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

3 52.0  
53 21

56.20

0

4 21.25

37.15

100

10.55

34.15

200

12.10

31.30

250

300

16.50

27.20

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

21-25.58 Fish trap up weight -  
and for air etc.

21-6.25 Dredge netting with bottom line  
weight - 23 Make to skate.

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

SERIAL TEMPERATURES.

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

REMARKS:

The temperature was not  
 taken here and beyond  
 1000 ft. depth. The water  
 is about 1000 ft.

wt. SLP

Watch 21 min. slow

No. 2584 Date Sept. 19<sup>th</sup> 1885

Sigsbee Machine. 1 Reel.

Turns 489 Cor. + 52 Depth 541

Shot or lead 35

Bottom gy M.

Bottom temperature 40

No. of thermometer 53733 Cor. -.5

Corrected temperature 39.5

Air 71 Surface 72 Drift 1<sup>m</sup> S.

Trawl or dredge L.B.

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
6 12 00	28.30	0	6.41.00	24.30
" 13 20	27.30	100	45.30	21.10
" 14 25	26.15	200	49.15	17.40
15.50	25.00	300	53.15	14.40
16.50	23.30	400	57.00	11.00
17.30	6.21.30	500	7.01.20	07.40
		600	05.00	04.15
		700	09.00	8.00.30
		800	12.30	56.45
		900	16.00	7.53.00
		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:  
 Few crabs, starfish, several  
 species of fish. 1 Bobtail Squid.  
 Archæopteryx = 3 or 4.

Watch 21 min slow

<sup>5075</sup> SLIP

No. 859 Hyd Date Sept 19<sup>th</sup> 1885

Sigsbee Machine. 1 Reel.

Turns 596 Cor. + 63 Depth 659

Shot or lead 35

Bottom hrd

Bottom temperature 39  $\frac{1}{4}$

No. of thermometer 53733 Cor. - .5

Corrected temperature 38.8

Air 71 Surface 72 Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

8.31.00	47.15	0
32.05	46.15	100
33.15	45.15	200
34.30	44.00	300
35.40	42.30	400
37.00	41.00	500
38.41	39.00	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

TEMPERATURES.

DEPTH.	TEMP.	NO. OF OBS.	DIR.	COR. TEMP.
5				
10				
15				
20				
25				
30				
35				
40				
45				
50				
55				
60				
65				
70				
75				
80				
85				
90				
95				
100				

REMARKS

507. S.E.P. Watch 21 min. slow

No. 860 Hya Date Sept 19<sup>th</sup> 1885

Sigsbee Machine. Reel.

Turns 469 Cor. + 50 Depth 519

Shot or lead 35

Bottom gn. M.

Bottom temperature 39.5

No. of thermometer 53733 Cor. -.5

Corrected temperature 39

Air 72 Surface 72 Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

9	20.00	31.15	0
	20.45	30.10	100
	21.40	29.10	200
	22.45	28.00	300
	23.50	26.40	400
	24.20	25.45	500

Boat left the ship at 10:01  
to select trawl line  
Put over fish trap at 10:23  
Lost fish trap, trawl buoy,  
+ 546 fms of line.

Boat returned with trawl line  
at 14:02; net fish

Took on board 2 boards,  
covered with barnacles,  
found floating.

600  
700  
800  
900  
1000  
1100  
1200  
1300  
1400  
1500  
1600  
1700  
1800  
1900  
2000  
2100  
2200  
2300  
2400

	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.	DATE	TIME, TEMP.
5				
10				
15				
20				
25				
30				
35				
40				
45				
50				
55				
60				
65				
70				
75				
80				
85				
90				
95				
100				

REMARKS.

507 SLP Watch 21 min. slow

No. 2585 Date Sept. 19<sup>th</sup> 1885

Sigsbee Machine. 1 Reel.

Turns 490 Cor. + 52 Depth 542

Shot or lead 35

Bottom dk. gy. M.

Bottom temperature 39.5

No. of thermometer 53733 Cor. - .5

Corrected temperature

Air 74 Surface 73 Drift  $\frac{1}{2}^m$  W.

Trawl or dredge L.B.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
2 26.00	39.45	0	4.08.00	
" 26.45	39.00	100	14.30	
" 27.50	38.00	200	18.45	
" 29.00	37.00	300	22.30	
" 30.30	35.25	400	26.35	03.40
" 32.00	34.00	500	30.30	6.00.40
		600	34.00	57.45
		700	37.45	54.45
		800	41.25	51.45
		900	45.45	48.25
		1000	50.00	45.00
		1100	54.35	5.41.00
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Caught 3 sharks

Lost 321 fms of wire rope  
 1 L.B. Trawl & net  
 1 Bobbitt dredge  
 2 glass floats  
 2 Thimbles. 1 Shackle & ball  
 1 Trawl weight  
 Out off 28 fms. kinked

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

SERIAL TEMPERATURES

TIME	TEMP.	NO. OF COILS	REV.	LOG. TEMP.
75				
90				
100				
110				
120				
130				
140				
150				
160				
170				
180				
190				
200				

REMARKS:

No. 861 Date Sept - 20<sup>th</sup> 1885

Sigsbee Machine. / Reel.

Turns 795 Cor. + 39 Depth 877

Shot or lead 35 lb

Bottom

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 70 Surface 72 Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
0		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		

0  
4.10 -

205.4  
Shot lead bottom 20 50 lb

800 turns of wire.

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

SUBIAL TEMPERATURES.

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

REMARKS:

No. 8624 Date Sept 20

Machine. 1 Reel.

Turns 65 Cor. - 60 Depth 715

Shot or lead 35 lb

Bottom gy. M.

Bottom temperature 89.2

No. of thermometer 53334 Cor. -.5

Corrected temperature 38.7

Air 70 Surface 62 Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.
6.54.44	17.15	0
54.20	18.00	100
57.35	16.53	200
59.00	15.45	300
7.01.10	14.30	400
03.45	13.20	500
06.00	12.05	600
07.17	11.00	700
		800
		900
		1000
		1100
		1200
		1300
		1400
		1500
		1600
		1700
		1800
		1900
		2000
		2100
		2200
		2300
		2400



2900  
 2800  
 2700  
 2600  
 2500  
 2400  
 2300  
 2200  
 2100  
 2000  
 1900  
 1800  
 1700  
 1600  
 1500  
 1400  
 1300  
 1200  
 1100  
 1000

SOIL TEMPERATURES

DEPTH	TEMP.	NO. OF THER.	DATE	NO. TEMP.
10				
20				
30				
40				
50				
60				
70				
80				
90				
100				
110				
120				
130				
140				
150				
160				
170				
180				
190				
200				

REMARKS

1000

1000

1000  
1000  
1000

1000

1000

1000

.



$$\frac{500}{2000} = \frac{50}{200} = \frac{5}{20} = \frac{1}{4}$$

$$\frac{500}{2000} = \frac{500}{2000} = \frac{5}{20} = \frac{1}{4}$$

$$\frac{1000}{2000} = \frac{1000}{2000} = \frac{1}{2}$$

$$\frac{1000}{2000} = \frac{1000}{2000} = \frac{1}{2}$$

$$\frac{1000}{2000} = \frac{1000}{2000} = \frac{1}{2}$$



$$\frac{1000}{2000} = \frac{1000}{2000} = \frac{1}{2}$$

$$\frac{1000}{2000} = \frac{1000}{2000} = \frac{1}{2}$$

$$\frac{1000}{2000} = \frac{1000}{2000} = \frac{1}{2}$$

$$\frac{1000}{2000} = \frac{1000}{2000} = \frac{1}{2}$$

$$\frac{1000}{2000} = \frac{1000}{2000} = \frac{1}{2}$$

$$\frac{1000}{2000} = \frac{1000}{2000} = \frac{1}{2}$$

Prize

2.00 1st

2.00 2nd

2.00 3rd

2.00 4th

100

2.00 5th

300 6th = 600

270 7th = 540

150 8th = 300

90 9th = 180

45 10th = 90

22 11th = 45

100 12th = 200

50 13th = 100

25 14th = 50

12 15th = 25

6 16th = 12

3 17th = 6

1 18th = 1

0 19th = 0

0 20th = 0

0 21st = 0

0 22nd = 0

0 23rd = 0

0 24th = 0

0 25th = 0

0 26th = 0

0 27th = 0

0 28th = 0

0 29th = 0

0 30th = 0

0 31st = 0

0 32nd = 0

0 33rd = 0

0 34th = 0

0 35th = 0

0 36th = 0

0 37th = 0

0 38th = 0

0 39th = 0

0 40th = 0

0 41st = 0

0 42nd = 0

0 43rd = 0

0 44th = 0

0 45th = 0

0 46th = 0

0 47th = 0

0 48th = 0

0 49th = 0

0 50th = 0

0 51st = 0

0 52nd = 0

0 53rd = 0

0 54th = 0

0 55th = 0

0 56th = 0

0 57th = 0

0 58th = 0

0 59th = 0

0 60th = 0

0 61st = 0

0 62nd = 0

0 63rd = 0

0 64th = 0

0 65th = 0

0 66th = 0

0 67th = 0

0 68th = 0

0 69th = 0

0 70th = 0

0 71st = 0

0 72nd = 0

0 73rd = 0

0 74th = 0

0 75th = 0

0 76th = 0

0 77th = 0

0 78th = 0

0 79th = 0

0 80th = 0

0 81st = 0

0 82nd = 0

0 83rd = 0

0 84th = 0

0 85th = 0

0 86th = 0

0 87th = 0

0 88th = 0

0 89th = 0

0 90th = 0

0 91st = 0

0 92nd = 0

0 93rd = 0

0 94th = 0

0 95th = 0

0 96th = 0

0 97th = 0

0 98th = 0

0 99th = 0

0 100th = 0

0 101st = 0

0 102nd = 0

0 103rd = 0

0 104th = 0

0 105th = 0

0 106th = 0

0 107th = 0

0 108th = 0

0 109th = 0

0 110th = 0

0 111st = 0

0 112nd = 0

0 113rd = 0

0 114th = 0

0 115th = 0

0 116th = 0

0 117th = 0

0 118th = 0

0 119th = 0

0 120th = 0

0 121st = 0

0 122nd = 0

0 123rd = 0

0 124th = 0

0 125th = 0

0 126th = 0

0 127th = 0

0 128th = 0

0 129th = 0

0 130th = 0

0 131st = 0

0 132nd = 0

0 133rd = 0

0 134th = 0

0 135th = 0

0 136th = 0

0 137th = 0

0 138th = 0

0 139th = 0

0 140th = 0

0 141st = 0

0 142nd = 0

0 143rd = 0

0 144th = 0

0 145th = 0

0 146th = 0

0 147th = 0

0 148th = 0

0 149th = 0

0 150th = 0

0 151st = 0

0 152nd = 0

0 153rd = 0

0 154th = 0

0 155th = 0

0 156th = 0

0 157th = 0

0 158th = 0

0 159th = 0

0 160th = 0

0 161st = 0

0 162nd = 0

0 163rd = 0

0 164th = 0

0 165th = 0

0 166th = 0

0 167th = 0

0 168th = 0

0 169th = 0

0 170th = 0

0 171st = 0

0 172nd = 0

0 173rd = 0

0 174th = 0

0 175th = 0

0 176th = 0

0 177th = 0

0 178th = 0

0 179th = 0

0 180th = 0

0 181st = 0

0 182nd = 0

0 183rd = 0

0 184th = 0

0 185th = 0

0 186th = 0

0 187th = 0

0 188th = 0

0 189th = 0

0 190th = 0

0 191st = 0

0 192nd = 0

0 193rd = 0

0 194th = 0

0 195th = 0

0 196th = 0

0 197th = 0

0 198th = 0

0 199th = 0

0 200th = 0

0 201st = 0

0 202nd = 0

0 203rd = 0

0 204th = 0

0 205th = 0

0 206th = 0

0 207th = 0

0 208th = 0

0 209th = 0

0 210th = 0

0 211st = 0

0 212nd = 0

0 213rd = 0

0 214th = 0

0 215th = 0

0 216th = 0

0 217th = 0

0 218th = 0

0 219th = 0

0 220th = 0

0 221st = 0

0 222nd = 0

0 223rd = 0

0 224th = 0

0 225th = 0

0 226th = 0

0 227th = 0

0 228th = 0

0 229th = 0

0 230th = 0

0 231st = 0

0 232nd = 0

0 233rd = 0

0 234th = 0

0 235th = 0

0 236th = 0

0 237th = 0

0 238th = 0

0 239th = 0

0 240th = 0

0 241st = 0

0 242nd = 0

0 243rd = 0

0 244th = 0

0 245th = 0

0 246th = 0

0 247th = 0

0 248th = 0

0 249th = 0

0 250th = 0

0 251st = 0

0 252nd = 0

0 253rd = 0

0 254th = 0

0 255th = 0

0 256th = 0

0 257th = 0

0 258th = 0

0 259th = 0

0 260th = 0

0 261st = 0

0 262nd = 0

0 263rd = 0

0 264th = 0

0 265th = 0

0 266th = 0

0 267th = 0

0 268th = 0

0 269th = 0

0 270th = 0

0 271st = 0

0 272nd = 0

0 273rd = 0

0 274th = 0

0 275th = 0

0 276th = 0

&lt;