

N<sup>o</sup> - 5.

August 27<sup>th</sup> 1888

Sept<sup>r</sup> 23<sup>rd</sup> 1888.

D<sup>r</sup> 2859 to 2869.

Hy<sup>d</sup> 1481 to 1569.

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

# Tanner machine

On reel ~~489~~ 400

~~Cor~~

Turns

Cor

15- 30

+ 1

31- 60

+ 2

61- 90

+ 3

91- 130

+ 4

131- 200

+ 5

201- 275

+ 6

276- 360

+ 7

361- 450

+ 8

450- 500

+ 9

2859

1481

2969

2101

100

2869

1569

+ 8

88

0

98

No. Hyd 1481

Date

August 27<sup>th</sup> '88

Machine. 2 Reel.

Turns 2010 Cor. + 128

Depth 2138

Shot ~~on lead~~ 60 lbs.

Bottom gy. O.

Bottom temperature 35

No. of Thermometer 61591 Cor. —

Corrected temperature

35

Air 60

Surface 59

Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

A.M. DOWN.

UP.

DOWN.

UP.

7. 31. 45	13 00	0		
32. 45	12. 25	100		
33. 35	11. 45	200		
34. 30	11. 05	300		
35. 25	10. 25	400		
36. 15	09. 40	500		
37. 20	09. 00	600		
38. 20	08. 15	700		
39. 20	07. 25	800		
40. 20	06. 40	900		
41. 25	05. 50	1000		
42. 30	05. 00	1100		
43. 35	04. 10	1200		
44. 45	03. 15	1300		
45. 50	02. 20	1400		
47. 00	01. 25	1500		
48. 15	8. 00. 30	1600		
49. 30	59. 25	1700		
50. 45	58. 20	1800		
52. 00	57. 00	1900		
53. 00	55. 00	2000		
		2100		
		2200		
		2300		
		2400		



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

# SERIAL TEMPERATURE.

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

# REMARKS.

1507  
Hart. 13.

No. 1482 Date Aug 27 1888

Sigsbee

Machine. 2 Reel.

Turns 1430 Cor. + 98 Depth 1528

Shot or lead 60 lbs.

Bottom gy. sz.

Bottom temperature 35.1

No. of Thermometer 61591 Cor. —

Corrected temperature 35.1

Air 63 Surface 59 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

A. M.

10-39-35

7-20

0

40-30

6-30

100

41-20

5-50

200

42-15

5-10

300

43-10

4-30

400

44-15

3-50

500

45-10

3-10

600

46-5

2-20

700

47-10

1-35

800

48-20

11-00-45

900

49-25

59-55

1000

50-30

59-00

1100

51-30

58-00

1200

52-35

57-00

1300

53-45

55-45

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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

### SERIAL TEMPERATURE.

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

### REMARKS.

No. *Hyd. 1483* Date *August 27<sup>th</sup> 1881*  
*Sigsbee* Machine. Reel. *#2*

Turns *1651* Cor. + *113* Depth *1764*

Shot or lead *60 lbs.*

Bottom *gy. co. s.*

Bottom temperature *35*

No. of Thermometer *61591* Cor. *—*

Corrected temperature *35*

Air *65* Surface *60* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
P.W. DOWN.	P.W. UP.		DOWN.	UP.
<i>1-32-0</i>	<i>4-30</i>	<i>0</i>		
<i>33-0</i>	<i>3-40</i>	<i>100</i>		
<i>34-0</i>	<i>3-5</i>	<i>200</i>		
<i>34-55</i>	<i>2-50</i>	<i>300</i>		
<i>35-50</i>	<i>1-45</i>	<i>400</i>		
<i>36-55</i>	<i>1-0</i>	<i>500</i>		
<i>37-45</i>	<i>2-0-15</i>	<i>600</i>		
<i>38-45</i>	<i>59-35</i>	<i>700</i>		
<i>39-45</i>	<i>58-45</i>	<i>800</i>		
<i>40-45</i>	<i>58-0</i>	<i>900</i>		
<i>41-45</i>	<i>57-5</i>	<i>1000</i>		
<i>42-55</i>	<i>56-15</i>	<i>1100</i>		
<i>44-0</i>	<i>55-20</i>	<i>1200</i>		
<i>45-5</i>	<i>54-30</i>	<i>1300</i>		
<i>46-15</i>	<i>53-30</i>	<i>1400</i>		
<i>47-25</i>	<i>52-30</i>	<i>1500</i>		
<i>48-35</i>	<i>51-10</i>	<i>1600</i>		
<i>49-15</i>	<i>50-30</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>		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE.

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

REMARKS.

*Hyd.* + *Slop*  
 No. *Hyd.* 1484 Date *August 27<sup>th</sup> 05*  
*Sigsbee* Machine. Reel. *#2*  
 Turns *1635* Cor. + *110* Depth *1745*  
 Shot or lead *60 lbs*  
 Bottom *br & gy Oz*  
 Bottom temperature *35*  
 No. of Thermometer *61591* Cor. *—*  
 Corrected temperature *35*  
 Air *64* Surface *60* Drift.  
 Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>P. 00</i>				
<i>3-38-0</i>	<i>9.30</i>	<i>0</i>		
<i>38-55</i>	<i>8.40</i>	<i>100</i>		
<i>39-45</i>	<i>8.05</i>	<i>200</i>		
<i>40-35</i>	<i>7.30</i>	<i>300</i>		
<i>41-25</i>	<i>6.50</i>	<i>400</i>		
<i>42-20</i>	<i>6.05</i>	<i>500</i>		
<i>43-20</i>	<i>5.25</i>	<i>600</i>		
<i>44-15</i>	<i>4.40</i>	<i>700</i>		
<i>45-15</i>	<i>3.55</i>	<i>800</i>		
<i>46-15</i>	<i>3.10</i>	<i>900</i>		
<i>47-15</i>	<i>2.20</i>	<i>1000</i>		
<i>48-20</i>	<i>1.30</i>	<i>1100</i>		
<i>49-30</i>	<i>4-0-35</i>	<i>1200</i>		
<i>50-35</i>	<i>59-40</i>	<i>1300</i>		
<i>51-45</i>	<i>58-40</i>	<i>1400</i>		
<i>52-55</i>	<i>57-30</i>	<i>1500</i>		
<i>54-10</i>	<i>56-10</i>	<i>1600</i>		
<i>54-30</i>	<i>55-55</i>	<i>35</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>		

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

### SERIAL TEMPERATURE.

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

### REMARKS.



No. *Hyd 1485* Date *August 27<sup>th</sup> 1888*  
*Sigsbee* Machine. Reel.

Turns *1568* Cor. + *107*

Depth *1675*

Shot or lead *60 lbs.*

Bottom *gy & br Oz.*

Bottom temperature *35*

No. of Thermometer *61591* Cor. —

Corrected temperature *35*

Air *62* Surface *60* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>P.M.</i> 5.33.00	4.10	0		
34.05	3.15	100		
35.00	2.40	200		
35.50	2. —	300		
36.45	1.25	400		
37.45	0.45	500		
38.45	6 — —	600		
39.45	59.10	700		
40.45	58.20	800		
41.50	57.35	900		
42.55	56.45	1000		
44.00	55.50	1100		
45.10	54.55	1200		
46.25	54 —	1300		
47.35	53.5	1400		
48.55	52.00	1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE.

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

REMARKS.

SLP

No. Hyd 1486 Date August 27<sup>th</sup> 1888

Machine. Reel.

Turns 1403 Cor. + 97 Depth 1500

Shot or lead 60

Bottom gy. O.

Bottom temperature 35

No. of Thermometer 61591 Cor. —

Corrected temperature 35

Air 60 Surface 59 Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

P.M.	DOWN.	UP.	TURNS.
7.	24.15	51.15	0
	25.15	50.35	100
	26.5	49.55	200
	27.0	49.15	300
	27.55	48.30	400
	28.50	47.50	500
	29.45	47.5	600
	30.40	46.20	700
	31.40	45.30	800
	32.40	44.40	900
	33.40	43.55	1000
	34.40	43.00	1100
	35.45	42.00	1200
	36.50	40.50	1300
	38.0	39.40	1400
			1500
			1600
			1700
			1800
			1900
			2000
			2100
			2200
			2300
			2400

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

### SERIAL TEMPERATURE.

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

### REMARKS.

No. 1487 Date Aug 27<sup>th</sup> 1888

Machine. 2 Reel.

Turns 1448 Cor. + 100 Depth 1548

Shot or lead 60 lbs.

Bottom gy. Oz.

Bottom temperature 35.1

No. of Thermometer 61591 Cor. —

Corrected temperature 35.1

Air 60 Surface 60 Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.


9-19-35	50-45	0
20-45	49-55	100
21-45	49-15	200
22-45	48-40	300
23-40	47-55	400
24-35	47-15	500
25-30	46-25	600
26-35	45-40	700
27-40	44-50	800
28-40	44-00	900
29-50	43-10	1000
31-00	42-20	1100
32-10	41-20	1200
33-25	40-10	1300
34-40	38-10	1400
		1500
		1600
		1700
		1800
		1900
		2000
		2100
		2200
		2300
		2400

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

SERIAL TEMPERATURE.

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

REMARKS.


 + SLP  
 No. *1488* Date *August 28<sup>th</sup> 88*  
*Sigsbee* Machine. Reel. *#2*

Turns *1700* Cor. + *115* Depth *1815*

Shot or lead *60 lbs.*

Bottom *gy. gy.*

Bottom temperature *35*

No. of Thermometer *61591* Cor. *—*

Corrected temperature *35*

Air *60* Surface *60* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>3-51-0</i>	<i>51.00</i>	<i>0</i>		
<i>51-45</i>	<i>50.00</i>	<i>100</i>		
<i>52-55</i>	<i>49.15</i>	<i>200</i>		
<i>54-50</i>	<i>48.35</i>	<i>300</i>		
<i>56-45</i>	<i>47.45</i>	<i>400</i>		
<i>57-20</i>	<i>47.00</i>	<i>500</i>		
<i>59-50</i>	<i>46.15</i>	<i>600</i>		
<i>4-1-15</i>	<i>45.25</i>	<i>700</i>		
<i>2-25</i>	<i>44.25</i>	<i>800</i>		
<i>3-35</i>	<i>43.35</i>	<i>900</i>		
<i>4-35</i>	<i>42.40</i>	<i>1000</i>		
<i>5-45</i>	<i>41.45</i>	<i>1100</i>		
<i>6-50</i>	<i>40.45</i>	<i>1200</i>		
<i>8-0</i>	<i>39.40</i>	<i>1300</i>		
<i>9-15</i>	<i>38.30</i>	<i>1400</i>		
<i>10-30</i>	<i>18.00</i>	<i>1500</i>		
<i>11-45</i>	<i>16.40</i>	<i>1600</i>		
<i>13-0</i>	<i>4-15-25</i>	<i>1700</i>	<i>4-</i>	
		<i>1800</i>		
		<i>1900</i>		
		<i>2000</i>		
		<i>2100</i>		
		<i>2200</i>		
		<i>2300</i>		
		<i>2400</i>		



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

### SERIAL TEMPERATURE.

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

### REMARKS.

507  
 No. *1489* Date *Aug. 28<sup>th</sup> 1888*  
*Sigsbee* Machine. Reel.  
 Turns *1665* Cor. + *113* Depth *1778*  
 Shot or lead *60 lbs.*  
 Bottom *fr & gy Oz*  
 Bottom temperature *No temp.*  
 No. of Thermometer *61591* Cor.  
 Corrected temperature  
 Air *56* Surface *58* Drift.  
 Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>A. H.</i>				
<i>11-26-5</i>	<i>4-10</i>	0		
<i>26-55</i>	<i>3-35</i>	100		
<i>27-45</i>	<i>2-45</i>	200		
<i>28-35</i>	<i>2-25</i>	300		
<i>29-35</i>	<i>1-45</i>	400		
<i>30-35</i>	<i>1-00</i>	500		
<i>31-35</i>	<i>12-0-30</i>	600		
<i>32-35</i>	<i>58-55</i>	700		
<i>33-40</i>	<i>58-00</i>	800		
<i>34-45</i>	<i>57-10</i>	900		
<i>35-50</i>	<i>56-20</i>	1000		
<i>37-5</i>	<i>55-15</i>	1100		
<i>38-15</i>	<i>54-00</i>	1200		
<i>39-25</i>	<i>53-5</i>	1300		
<i>40-40</i>	<i>51-50</i>	1400		
<i>42-5</i>	<i>50-20</i>	1500		
<i>43-20</i>	<i>48-15</i>	1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

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

REMARKS.

No. *Hyd 1490* Date *August 29<sup>th</sup> 1888*  
*Sigsbee* Machine. *2* Reel.

Turns *1340* Cor. + *93* Depth *1433*

Shot or Lead *60 lbs.*

Bottom

Bottom temperature

No. of Thermometer *61591* Cor.

Corrected temperature

Air

Surface

Drift.

Trawl or dredge or tangles

# SOUNDING WIRE.

DOWN.

UP.

TURNS.

# DREDGE ROPE.

DOWN.

UP.

*12, 48, 30*

*49.35*

*50.25*

*51.20*

*52.15*

*54.20*

*55.25*

*56.35*

*57.50*

*1 0.25*

*1.50*

*3.0*

*4.20*

*5.40*

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

*Wire parted. Lost 1 Sounding Rod, 1 N & H Thermometer #61591  
 1 T. in p. ther. Case. 1430 fms. wire.*

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

### SERIAL TEMPERATURE.

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

### REMARKS.

No. *2859* Date *August 29<sup>th</sup> 1888*  
*Sigsbee* Machine. Reel.

Turns *1473* Cor. + *96* Depth *1569*

Shot ~~or lead~~ *60 lbs.*

Bottom *gy Oz*

Bottom temperature *35-*

No. of Thermometer *51450* Cor. *- 1*

Corrected temperature *34.9*

Air *61* Surface *60* Drift *2 1/2 m SE,*

Trawl or dredge or tangles *13 ft beam, & surface net.*

SOUNDING WIRE.

P. No. DOWN.	P. No. UP.
<i>1-30-50</i>	<i>3-50</i>
<i>32-15</i>	<i>3-5</i>
<i>33-15</i>	<i>2-35</i>
<i>34-10</i>	<i>2-00</i>
<i>35-10</i>	<i>1-20</i>
<i>36-5</i>	<i>0-45</i>
<i>37-00</i>	<i>2-0-10</i>
<i>38-00</i>	<i>59-20</i>
<i>39-00</i>	<i>58-10</i>
<i>40-10</i>	<i>57-20</i>
<i>41-20</i>	<i>56-30</i>
<i>42-25</i>	<i>55-35</i>
<i>43-30</i>	<i>54-35</i>
<i>44-55</i>	<i>53-30</i>
<i>46-15</i>	<i>52-15</i>

TURNS.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
<i>2350</i>
<i>2400</i>

DREDGE ROPE.

P. No. DOWN.	P. No. UP.
<i>2-7-35</i>	<i>52-15</i>
<i>11-20</i>	<i>49-0</i>
<i>14-35</i>	<i>46-0</i>
<i>17-45</i>	<i>43-0</i>
<i>20-35</i>	<i>40-30</i>
<i>23-30</i>	<i>37-55</i>
<i>27-15</i>	<i>35-0</i>
<i>30-45</i>	<i>32-0</i>
<i>33-45</i>	<i>29-0</i>
<i>37-15</i>	<i>25-50</i>
<i>41-00</i>	<i>22-40</i>
<i>44-10</i>	<i>19-30</i>
<i>47-50</i>	<i>16-10</i>
<i>51-30</i>	<i>13-30</i>
<i>54-35</i>	<i>9-05</i>
<i>58-30</i>	<i>5-30</i>
<i>3-2-10</i>	<i>5. 1.40</i>
<i>5-00</i>	<i>51-30</i>
<i>9-00</i>	<i>53-45</i>
<i>12-45</i>	<i>49-35</i>
<i>17-15</i>	<i>45-15</i>
<i>21-00</i>	<i>40-30</i>
<i>24-50</i>	<i>35-10</i>
<i>28-15</i>	<i>31-0</i>
<i>30-00</i>	<i>4-28-0</i>

<i>Towed Surface Plot while Dredging</i>		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

# SERIAL TEMPERATURE.

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

# REMARKS.



No. *Hyd 1491* Date *August 30<sup>th</sup> 1888*  
*Sigsbee* Machine. *2* Reel.

Turns *1475* Cor. + *96* Depth *1571*

Shot ~~on Lead~~ *35lbs*

Bottom *br & gy O.*

Bottom temperature *35.4*

No. of Thermometer *51450* Cor. *-1*

Corrected temperature *35.3*

Air *57* Surface *57* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>A.M.</i> 5. 56.00	36.50	0		
57.15	36.00	100		
58.30	35.20	200		
59.45	34.40	300		
6. 1. 0	34.00	400		
2. 25	33.15	500		
3. 55	32.25	600		
5. 35	31.35	700		
7. 20	30.45	800		
9. 0	29.55	900		
10. 55	28.55	1000		
12. 40	27.55	1100		
15. 45	26.45	1200		
18. 30	25.30	1300		
20. 15	24.00	1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

### SERIAL TEMPERATURE.

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

### REMARKS.

507  
H. B.

No. *Hyd 1492* Date *Aug 30 1888*  
*Sigsbee* Machine. *2* Reel.

Turns *1504* Cor. + *97* Depth *1601*

Shot or lead *35 lbs.*

Bottom *gy. Cy.*

Bottom temperature *35.2*

No. of Thermometer *51450* Cor. *- 9*

Corrected temperature *35.1*

Air *67* Surface *60* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>P.M.</i> 6-29-55	<i>P.M.</i> 3-45	0		
31-15	3-5	100		
32-30	2-30	200		
33-40	1-55	300		
34-50	1-15	400		
36-10	7-0-30	500		
37-20	59-50	600		
38-40	59-5	700		
39-55	58-20	800		
41-20	57-30	900		
42-45	56-40	1000		
44-00	55-45	1100		
45-25	54-45	1200		
46-50	53-45	1300		
48-20	52-45	1400		
49-50	51-25	1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

### SERIAL TEMPERATURE.

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

### REMARKS.

No. *Hyd 1493* Date *August 31<sup>st</sup> 88.**Sigsbee* Machine. Reel. *#2*Turns *1030* Cor. + *69* Depth *1099*Shot or lead *35 lbs.*Bottom *gn. m.*Bottom temperature *36*No. of Thermometer *51450* Cor. *-1*Corrected temperature *35.9*Air *59* Surface *59* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>A.W</i> <i>4-38-0</i>	<i>5-0-30</i>	0		
<i>39-15</i>	<i>59-20</i>	100		
<i>40-15</i>	<i>58-45</i>	200		
<i>41-20</i>	<i>58-5</i>	300		
<i>42-30</i>	<i>57-25</i>	400		
<i>43-35</i>	<i>56-45</i>	500		
<i>44-45</i>	<i>56-0</i>	600		
<i>46-5</i>	<i>55-10</i>	700		
<i>47-20</i>	<i>54-30</i>	800		
<i>48-35</i>	<i>53-40</i>	900		
<i>50-0</i>	<i>52-0</i>	1000		
<i>50-25</i>	<i>51-30</i>	<del>1100</del> <i>30</i>		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

# SERIAL TEMPERATURE.

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

# REMARKS.

S. L. P.

No. 2860

Date

August 31<sup>st</sup> 1888

Sigsbee Machine. 2 Reel.

Turns 820 Cor. + 56 Depth 876

Shot or lead 35 lbs

Bottom gn. M.

Bottom temperature 36.6

No. of Thermometer 51450 Cor. -.1

Corrected temperature 36.5

Air 61 Surface 58 Drift. 1 1/2 miles E 1/2 N.

Trawl or dredge or tangles large beam

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

9. 3 30	19.20	0	9. 25.40	51.30
4 25	18.40	100	31.00	48.00
5. 20	18.00	200	35.20	44.30
6. 15	17.20	300	39.00	41.45
7. 20	16.35	400	42.5	38.40
8. 25	15.50	500	45.15	35.30
9. 30	15.00	600	48.45	32.15
10. 45	14.15	700	51.30	29.00
11 —	13.20	800	56.10	25.40
		900	59.25	22.15
		1000	10.3.0	18.35
		1100	6.30	14.40
		1200	10.15	10.30
		1300	14.20	6.00
		1400	18.05	11.1.30
	35.20	1500	39.30	56.30
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE.

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

REMARKS.

13

No. 2861 Date Aug 31 1888  
 Sigsbee Machine. 2 Reel.

Turns 190 Cor. + 14 Depth 204  
 Shot or lead 35 lbs

Bottom no bottom came up in specimen cup,  
 Bottom temperature 41.9

No. of Thermometer 51450 Cor. -.3  
 Corrected temperature 42.6

Air 69 Surface 60 Drift. 1/2 mile East.  
 Trawl or dredge or tangles 13 ft beam

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
P.M. 2-49-5	58-45	0	P.M. 3-1-20	49-5
50-00	57-55	100	5-35	46-00
		200	8-35	42-30
		300	14-35	38-55
		400	17-50	35-30
		430	18-45	33-25
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE.

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

REMARKS.



No. *1494* Date *August 31<sup>st</sup> 1888*

Tanner Machine. Reel.

Turns *80* Cor. + *3* Depth *83*

Shot or lead *25 lbs.*

Bottom *Blu m.*

Bottom temperature *44.5*

No. of Thermometer *51450* Cor. *-3*

Corrected temperature *44.2*

Air *69* Surface *60* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>6-44-35</i>	<i>6-47-0</i>	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

### SERIAL TEMPERATURE.

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

### REMARKS.

SLP

No. *Hyd 1495* Date *August 31<sup>st</sup> 1888*  
*Tanner* Machine. Reel.

Turns *50* Cor. + *2* Depth *52*

~~Shot or lead~~ *25 lbs.*

Bottom *gy S.*

Bottom temperature *46.8*

No. of Thermometer *51450* Cor. - *3*

Corrected temperature *46.5*

Air *61* Surface *55* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>10.2.30</i>	<i>3.21.0</i>	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*Ex. noted to date.*

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

SERIAL TEMPERATURE.

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

REMARKS.

No. *Hyd 1496* Date *Aug Sept 1<sup>st</sup> 1888*

*Hand lead* Machine. Reel.

Turns Cor. + Depth *22 fms.*

Shot or lead

Bottom

Bottom temperature

No. of Thermometer Cor.

Corrected temperature

Air Surface Drift.

~~Trawl or dredge or tangles~~

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

*9-23*

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400



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

SERIAL TEMPERATURE.

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

REMARKS.

L. K. B.

No. *Hyd 149.7* Date *Sept. 1 1888**hand lead* Machine. Reel.Turns Cor. + Depth *16*

Shot or lead

Bottom

Bottom temperature

No. of Thermometer Cor.

Corrected temperature

Air Surface Drift.

~~Trawl or dredge or tangles~~

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

*All*  
*9-53*

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

*9 lines out*  
*Caught nothing.*

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE.

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

## REMARKS.

APR 1888

No. 2862 Date September 1st 1888

Tanner Machine. Reel.

Turns 232 Cor. + 6 Depth 238

Shot or lead 25 lbs.

Bottom gy S P.

Bottom temperature 45-

No. of Thermometer 51450 Cor. -.3

Corrected temperature 44.7

Air 61 Surface 58 Drift. 1/2 m E & E,

Trawl or dredge or tangles large beam

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
P.W. DOWN.	P.W. UP.		DOWN.	UP.
12-32-15	41-0	0	12-35-40	25-15
33-0	38-35	100		21-45
34-15	35-30	200	43-0	18-30
34-20	34-25	300	46-15	14-35
		400	49-45	11-0
		500	52-55	1-7-30
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

# SERIAL TEMPERATURE.

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

# REMARKS.

SLP

No. 2863

Date Sept. 5<sup>th</sup> 1888

Tanner Machine. Reel.

Turns 64 Cor. + 3 Depth 67

~~Shot or lead~~ 25 lbs.

Bottom fine S. bk Sp.

Bottom temperature 48.8

No. of Thermometer 51450 Cor. —, 3

Corrected temperature 48.5

Air 60 Surface 62 Drift.  $\frac{3}{4}$  mile SSETrawl ~~or dredge or tangles~~ large beam

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE,

A.M. DOWN.

UP.

DOWN.

UP.

10.58.15

59.10

0

11.6.00

37.10

100

11.00

33.45

200

14.40

30.30

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE.

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

## REMARKS.

No. 2864

Date Sept 6 1888

Tanner

Machine.

Reel.

Turns 46 Cor. + 2 Depth 48

Shot or lead 25 lbs.

Bottom M. brk sh. S

Bottom temperature 48

No. of Thermometer 51450 Cor. - .3

Corrected temperature

Air 59 Surface 52 Drift. SSW  $\frac{1}{2}$  mile

Trawl or dredge or tangles large beam trawl

## SOUNDING WIRE.

## DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7-16-	7-18	0	7-21-00	44-55
		100	25-45	41-30
		150		
		200	28-25	39-50
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



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

#### SERIAL TEMPERATURE.

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

#### REMARKS.

507  
A.A.

No. 2865 Date Sept 6<sup>th</sup> 1888

Tanner Machine. Reel.

Turns 38 Cor. + 2 Depth 40

Shot or lead 25 lbs

Bottom P.

Bottom temperature 52

No. of Thermometer 51450 Cor. -.3

Corrected temperature 51.7

Air 58 Surface 52 Drift. 6/10 m S x E

Trawl or dredge or tangles Large beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

A.W

8-56-0

8-57-15

0

8-59-45

21-30

100

9-07-15

9-17-45

200

9-09-00

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

*E.α. noted to date*

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

SERIAL TEMPERATURE.

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

REMARKS.

SLP

No. *Hyd 1498* Date *Sept. 19<sup>th</sup> 1888*  
*Tanner* Machine. Reel.

Turns *79* Cor. + *3* Depth *82*

Shot or lead *25 lbs*

Bottom *ryky*

Bottom temperature *44.5*

No. of Thermometer *51450* Cor. - *3*

Corrected temperature *44.2*

Air *54* Surface *52* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>3.53.00</i>	<i>55.00</i>	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

### SERIAL TEMPERATURE.

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

REMARKS.

*Lat. 13.*

No. 1499 Date Sept 19<sup>th</sup> 1888

Tanner Machine. Reel.

Turns 102 Cor. + 4 Depth 106

Shot or lead 20 lbs

Bottom Gk.S.

Bottom temperature 44.5

No. of Thermometer 51450 Cor. - 3

Corrected temperature 44.2

Air 54 Surface 52 Drift.

~~Trawl or dredge or tangles~~

SOUNDING WIRE.

DOWN.

UP.

*See* 4-34-45 37-00  
35-40 35-45

TURNS.

DREDGE ROPE.

DOWN.

UP.

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

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE.

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

REMARKS.

507 *W.B.*  
 No. *Hy 500* Date *Sept 19 "1888*  
*Tanner* Machine. Reel.  
 Turns *104* Cor. + *4* Depth *108*  
 Shot or lead *25 lbs*  
 Bottom *R*  
 Bottom temperature *44*  
 No. of Thermometer *51450* Cor. *-.3*  
 Corrected temperature *43.7*  
 Air *57* Surface *52* Drift.  
 Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>5-17-50</i>	<i>19-50</i>	0		
<i>18-50</i>	<i>18-55</i>	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



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

# SERIAL TEMPERATURE.

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

REMARKS.

007  
*Lat. 13*

No. *Hyd 1501* Date *Sept 19<sup>th</sup> 1858*

*Tanner* Machine. Reel.

Turns *53* Cor. + *2* Depth *55-*

~~Shot~~ or lead *25 lbs*

Bottom *gl. S.*

Bottom temperature

No. of Thermometer *51450* Cor.

Corrected temperature

Air *57* Surface *57* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>4.12,</i> <i>6-2-5</i>	<i>6-3-25</i>	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

# SERIAL TEMPERATURE.

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

REMARKS.

597  
H. B.

No. 1502

Date Sept 19<sup>th</sup> 1888

Tanner Machine. Reel.

Turns 67 Cor. + 3 Depth 70

Shot or lead 25 lb

Bottom bk S.

Bottom temperature 46

No. of Thermometer 51540 Cor. - .3

Corrected temperature 45.7

Air 57 Surface 57 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
H. M. 6-35-45	06-00	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE.

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

REMARKS.

No.

Hyd. 1503

Date

Sept. 19<sup>th</sup> 1888

Tanner

Machine.

Reel.

Turns 83

Cor. + 3

Depth 86

~~Shot or lead~~

25 lbs.

Bottom

bk. S

Bottom temperature

45.5

No. of Thermometer

51450 Cor. - .3

Corrected temperature

45.2

Air

59

Surface

60

Drift.

~~Trawl or dredge or tangles.~~

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

7-14-15

16-15

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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

# SERIAL TEMPERATURE.

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

REMARKS.

507.  
L. B.

No. *Hyd. 1504* Date *Sept. 19<sup>th</sup> 1888*  
*Sanner* Machine. Reel.

Turns *101* Cor. + *4* Depth *105*

Shot or lead *25 lb*

Bottom *br. S.*

Bottom temperature *45.1*

No. of Thermometer *51450* Cor. - *3*

Corrected temperature *44.8*

Air *59* Surface *61* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

*7-56-40* *59-40*

*57-50* *57-35*

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400



2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE.

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

## REMARKS.

507  
*51.10*

No. *441505* Date *Sept. 19<sup>th</sup> 1888.*  
*Sigsbee* Machine. Reel. *2*  
 Turns *545* Cor. + *41* Depth *586*  
 Shot or Lead *35 lbs*  
 Bottom *gn. M*  
 Bottom temperature *38.5*  
 No. of Thermometer *51450* Cor. - *3*  
 Corrected temperature *38.2*  
 Air *59* Surface *61* Drift.  
 Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>at 10</i> 9-12-10	16-10	0		
13-0	25-40	100		
14-10	24-45	200		
15-25	23-45	300		
16-40	22-45	400		
18-10	21-30	500 <i>45</i>		
19-0	20-30	600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

### SERIAL TEMPERATURE.

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

### REMARKS.

No. *Hyd. 1506* Date *Sept. 19<sup>th</sup> 1888.*  
*Sigsbee* Machine. Reel. *#2*

Turns *440* Cor. + *35* Depth *505*

Shot or Lead *35 lbs.*

Bottom *gn. m.*

Bottom temperature *59*

No. of Thermometer *51450* Cor. *-.3*

Corrected temperature *38.6*

Air *59* Surface *59* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>10-18-20</i>	<i>29-45</i>	0		
<i>19-15</i>	<i>29-0</i>	100		
<i>20-30</i>	<i>28-0</i>	200		
<i>22-0</i>	<i>27-10</i>	300		
<i>23-25</i>	<i>26-20</i>	400		
<i>25-40</i>	<i>25-45</i>	<del>500</del>		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE.

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

REMARKS.

697

No. *Hyd. 1507* Date *Sept. 19<sup>th</sup> 1888*  
*Sigsbee* Machine. Reel. *#2*

Turns *645* Cor. + *47* Depth *692*

Shot or lead *35 lbs.*

Bottom *gn. M.*

Bottom temperature *38.5*

No. of Thermometer *51450* Cor. *-.3*

Corrected temperature *38*

Air *60* Surface *59* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>A. M.</i> <i>11-18-25</i>	<i>36-0</i>	0		
<i>19-25</i>	<i>35-0</i>	100		
<i>20-35</i>	<i>34-0</i>	200		
<i>21-40</i>	<i>33-5</i>	300		
<i>23-0</i>	<i>32-10</i>	400		
<i>24-0</i>	<i>31-15</i>	500		
<i>25-20</i>	<i>30-0</i>	600		
<i>26-0</i>	<i>11-27-0</i>	<i>45</i> 700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE.

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

REMARKS.

No. *Hyd 1508* Date *Sept 19<sup>th</sup> 1888*

*Machine. 2 Reel.*

Turns *718* Cor. + *50* Depth *768*

Shot ~~and~~ lead *35 lbs*

Bottom *br. M*

Bottom temperature *37.5*

No. of Thermometer *51450* Cor. *-3*

Corrected temperature *37.2*

Air *62* Surface *60* Drift.

Trawl or dredge or tangles

# SOUNDING WIRE.

DOWN.

UP.

## TURNS.

# DREDGE ROPE.

DOWN.

UP.

*P.M.*

*12, 25*

*47.00*

0

*26*

100

*27*

200

*28.10*

300

*30.30*

400

*32.20*

500

*34.15*

600

*35.30*

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400



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

# SERIAL TEMPERATURE.

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

# REMARKS.

SLP

No. *Hyd 1509* Date *Sept. 19<sup>th</sup> 1888**Sigsbee* Machine. *2* Reel.Turns *800* Cor. + *56* Depth *856*Shot or lead *35 lbs.*Bottom *br. M.*Bottom temperature *37*No. of Thermometer *51450* Cor. *-3*Corrected temperature *36.7*Air *62* Surface *60* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
<i>P.M.</i> DOWN.	UP.		DOWN.	UP.
<i>1.41.20</i>	<i>02.50</i>	0		
<i>42.15</i>	<i>02.00</i>	100		
<i>43.15</i>	<i>01.15</i>	200		
<i>44.15</i>	<i>2.00 30</i>	300		
<i>45.20</i>	<i>59.40</i>	400		
<i>46.30</i>	<i>58.40</i>	500		
<i>47.45</i>	<i>57.35</i>	600		
<i>49.15</i>	<i>56.00</i>	700		
<i>51.00</i>	<i>54.00</i>	800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

# SERIAL TEMPERATURE.

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

# REMARKS.

No. *Hyd 1510* Date *Sept. 19<sup>th</sup> 1888**Sigsbee* Machine. *2* Reel.Turns *763* Cor. + *53* Depth *816*Shot or lead *35 lbs.*Bottom *br. M.*Bottom temperature *37*No. of Thermometer *51450* Cor. *-.3*Corrected temperature *36.7*Air *62* Surface *60* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

*P.M.*  
 3. 4. 30 3. 25. 00  
 5. 15  
 6. 10  
 7. 10  
 8. 20  
 9. 40  
 10. 55  
 12. 15

*Raining*

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

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

#### SERIAL TEMPERATURE.

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

#### REMARKS.

No. *Hyd 1511* Date *Sept 19" 1888**Sigsbee* Machine. *2* Reel.Turns *1162* Cor. + *77* Depth *1239*Shot or lead *30 lbs.*Bottom *br. M.*Bottom temperature ~~*45.5*~~No. of Thermometer *51450* Cor.

Corrected temperature

Air *61* Surface *59* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

P.J.W. DOWN.		UP.	TURNS.	DOWN.		UP.
<i>4-25-30</i>		<i>52-20</i>	0			
<i>26-00</i>		<i>51-15</i>	100			
<i>27-00</i>		<i>50-40</i>	200			
<i>28-00</i>		<i>50-00</i>	300			
<i>29-10</i>		<i>49-5</i>	400			
<i>31-30</i>		<i>48-15</i>	500			
<i>31-55</i>		<i>47-40</i>	600			
<i>33-25</i>		<i>46-40</i>	700			
<i>34-45</i>		<i>45-55</i>	800			
<i>36-10</i>		<i>45-00</i>	900			
<i>37-30</i>		<i>44-00</i>	1000			
<i>38-50</i>		<i>42-40</i>	1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			

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

# SERIAL TEMPERATURE.

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

# REMARKS.

507  
*2866* + *Slop*  
 No. *2866*

Date *Sept. 20<sup>th</sup> 1888*

*anner* Machine. Reel.

Turns *166* Cor. + *5* Depth *171*

Shot or lead *25 lbs.*

Bottom *gy. S.*

Bottom temperature *43.5*

No. of Thermometer *51450* Cor. *- .3*

Corrected temperature *43.2*

Air *59* Surface *59* Drift. *8/10m S 26 by E.*

Trawl or dredge or tangles *large beam*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>11-3-30</i>	<i>11-08-0</i>	0	<i>11-9-15</i>	<i>26.30</i>
<i>4-15</i>		100	<i>14-0</i>	<i>22.00</i>
<i>5-0</i>		<i>66</i> 200	<i>17-20</i>	<i>5-00</i>
		300	<i>20-40</i>	<i>12-1-30</i>
		400	<i>23-45</i>	<i>11-40-40</i>
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



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

# SERIAL TEMPERATURE.

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

# REMARKS.

JLP

No. *Hyd 1512* Date *Sept. 20<sup>th</sup> 1888*  
*Danner* Machine. Reel.

Turns *77* Cor. + *3* Depth *80*

~~Shot or lead~~ *25 lbs*

Bottom *gn M*

Bottom temperature *45*

No. of Thermometer *51450* Cor. - *3*

Corrected temperature

Air *57* Surface *58* Drift. *44.7*

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>12. 47. 00</i>	<i>49. 30</i>	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

### SERIAL TEMPERATURE.

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

REMARKS.

SLP

No.

2867

Date

Sept. 20<sup>th</sup> 1888

Tanner

Machine.

Reel.

Turns

35

Cor. +

2

Depth

37

~~Shot or lead~~

25 lbs.

Bottom

fine gy. S.

Bottom temperature

did not capsize

No. of Thermometer

51450

Cor.

Corrected temperature

Air

58

Surface

58

Drift.

 $\frac{3}{4}$  mile S E~~Trawl or dredge or tangles~~

large beam

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

1. 43. 15

44. 20

0

1. 47. 00

10. 30

100

50. 45

2. 07.

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Sent Dughey to set trawl lines  
 Caught 3 dog fish, 8 sharks,  
 1 halibut

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

#### SERIAL TEMPERATURE.

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

#### REMARKS.

*Lat. 13.*

No. *1513* Date *Sept 20 1888*

*Sigsbee* Machine. Reel.

Turns *173* Cor. + *5* Depth *178*

Shot or lead *25 lbs*

Bottom *fine gy S.*

Bottom temperature *ther did not overtake*

No. of Thermometer *51450* Cor.

Corrected temperature

Air *58* Surface *58* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>P.M.</i>				
<i>7-24-50</i>	<i>29-15</i>	0		
<i>13-5-45</i>	<i>39-15</i>	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE.

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

## REMARKS.

517  
*ADP*

No. *Hy 1514* Date *Sept. 20<sup>th</sup> 88*

*Tanner* Machine. Reel.

Turns *74* Cor. + *3* Depth *77*

~~Shot or lead~~ *25 lb*

Bottom *gy S sp*

Bottom temperature *45*

No. of Thermometer *57400* Cor. - *3*

Corrected temperature *44.7*

Air *58* Surface *58* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>P.W.</i> <i>8-40-0</i>	<i>8-43-0</i>	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE.

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

REMARKS.

No. *Hy. 1515* Date *Sept. 20<sup>th</sup> 88.**anner* Machine. Reel.Turns *79* Cor. + *3* Depth *82*Shot or lead *25 lbs.*Bottom *P.*Bottom temperature *45*No. of Thermometer *51450* Cor. - *3*Corrected temperature *44.7*Air *59* Surface *57* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

*P.W.**9-42-15**9-45-0**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

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

SERIAL TEMPERATURE.

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

REMARKS.

No. *Hy. 1516* Date *Sept. 20<sup>th</sup> 1888**Tanner* Machine. Reel.Turns *212* Cor. + *6* Depth *218*Shot or lead *35 lbs*Bottom *blu m. r. s.*Bottom temperature *43*No. of Thermometer *51450* Cor. *-.3*Corrected temperature *42.7*Air *59* Surface *59* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

*Q. m. v.* *10-47-6* *10-54-0**48-10**49-30*

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	

SERIAL TEMPERATURE.

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

REMARKS.

500

No. *44 1517* Date *Sept 21<sup>st</sup> 88.*  
*Sigsbee* Machine. Reel. *#2*  
 Turns *84* Cor. + *6* Depth *90*  
 Shot or lead *35 lbs*  
 Bottom *S. G. M.*  
 Bottom temperature *45*  
 No. of Thermometer *51450* Cor. *-3*  
 Corrected temperature *44.7*  
 Air *59* Surface *59* Drift.  
 Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>Act</i>				
<i>12-4-35</i>	<i>10-45</i>	<i>84</i>		
<i>6-0</i>	<i>12-8-5</i>	<i>100</i>		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE.

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

## REMARKS.

JLP

No. *Kyd 1518* Date *Sept. 21<sup>st</sup> 1881**Sigsbee* Machine. *2* Reel.Turns *131* Cor. + *10* Depth *141*Shot or lead *35 lbs*Bottom *S. Y. S.*Bottom temperature *43.5*No. of Thermometer *51450* Cor. - *.3*Corrected temperature *43.2*Air *58* Surface *57* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

FM

*1.20.30**24.00*

0

*21.25**23.00*

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400



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

#### SERIAL TEMPERATURE.

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

#### REMARKS.

S.L.P.

No. *Hyd 1519* Date *Sept. 21<sup>st</sup> 1888**Sigsbee* Machine. *2* Reel.Turns *350* Cor. *+28* Depth *378*Shot ~~or lead~~ *35 lbs*Bottom *gn M*Bottom temperature *40*No. of Thermometer *51450* Cor. *-3*Corrected temperature *39.7*Air *59* Surface *59* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

*AM**2. 24.00 34.45**0**26.00 33.50**100**27.30 32.55**200**29.00 31.45**300**400**500**600**700**800**900**1000**1100**1200**1300**1400**1500**1600**1700**1800**1900**2000**2100**2200**2300**2400*

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE.

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

## REMARKS.

SLP

No. *Hyd 1520* Date *Sept. 21<sup>st</sup> 1888*  
*Tanner* Machine. Reel.

Turns *268* Cor. + *6* Depth *274*

~~Shot or lead~~ *25 lbs*

Bottom *G.*

Bottom temperature *40.5*

No. of Thermometer *51450* Cor. - *3*

Corrected temperature *40.2*

Air *59* Surface *58* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

*AM* 3. 39.30 48.00

40.40 46.50

41.50 44.30

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	

### SERIAL TEMPERATURE.

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

### REMARKS.

No. *1521* Date *Sept 21" 1888*  
*Tanner* Machine. Reel.  
 Turns Cor. + Depth  
 Shot or lead *25 lb*  
 Bottom  
 Bottom temperature  
 No. of Thermometer *51450* Cor.  
 Corrected temperature  
 Air Surface Drift.  
 Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>A.M.</i>				
<i>4-36-25</i>		0		
<i>37-25</i>		100		
<i>38-20</i>		200		
<i>39-40</i>		300		
<i>40-40</i>		400		
<i>No bottom at 480 turns</i>		500		
<i>wire parted, losing</i>		600		
<i>remaining cup,</i>		700		
<i>1 Thermometer No 51450</i>		800		
<i>1 the case</i>		900		
<i>80 fms wire</i>		1000		
<i>1, 25 lb. Lead</i>		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

# SERIAL TEMPERATURE.

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

REMARKS.

507  
Lat. B.

No. 1521 Date Sept 21 1888

Sigsbee

Machine. 2 Reel.

Turns 428 Cor. + 34 Depth 462

Shot or lead 35 lbs.

Bottom yl Oz.

Bottom temperature 39.2

No. of Thermometer 61754 Cor. -.1

Corrected temperature 39.7

Air 58 Surface 58 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4-57-10	7-25	0		
58-40	7-14	100		
5-00-00	6-15	200		
1-10	5-15	300		
2-20	4-05	400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



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

# SERIAL TEMPERATURE.

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

# REMARKS.

5027  
1887.13.

No. 1522 Date Sept 21<sup>st</sup> 1888

Sigsbee Machine. 2 Reel.

Turns 486 Cor. + 36 Depth 522

Shot or lead 38 lbs.

Bottom y.l. Oz.

Bottom temperature 39.2

No. of Thermometer 61754 Cor. -.1

Corrected temperature 39.1

Air 58 Surface 58 Drift.

~~Trawl or dredge or tangles~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
57-15	10-10	0		
58-40	9-15	100		
59-45	8-20	200		
6-1-10	7-25	300		
2-15	6-20	400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

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

REMARKS.

*L. F. B.*  
No. *1523* Date *Sept. 21/1888*  
*Sigsbee* Machine. *2* Reel.

Turns *350* Cor. + *28* Depth *378*

Shot or lead *38 lbs.*

Bottom *yl Oz.*

Bottom temperature *40.2*

No. of Thermometer *61754* Cor. - *1*

Corrected temperature *40.1*

Air *60* Surface *58* Drift.

~~Trawl or dredge or tangles~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>6-55-25</i>	<i>3-50</i>	0		
<i>56-40</i>	<i>3-00</i>	100		
<i>57-40</i>	<i>2-10</i>	200		
<i>58-45</i>	<i>7-1-10</i>	300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

#### SERIAL TEMPERATURE.

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

#### REMARKS.

No. *1524* Date *Sept 21 1888**Hammer* Machine. Reel.Turns *201* Cor. + *5* Depth *206*Shot or lead *38 lb*Bottom *gy G.*Bottom temperature *43*No. of Thermometer *61754* Cor. *-.1*Corrected temperature *42.9*Air *60* Surface *58* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

*M**7- 44-5**53-01*

0

*45-50**50-20*

100

*46-40**46-55*

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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

#### SERIAL TEMPERATURE.

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

#### REMARKS.

No. 1449 1525 Date Sept. 21<sup>st</sup> 1881

anner Machine. Reel.

Turns 64 Cor. + 3 Depth 67

Shot or lead 25 lbs.

Bottom no record

Bottom temperature 45.2

No. of Thermometer 61754 Cor. -.1

Corrected temperature 45.1

Air 60 Surface 58 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8-33-45	8-36-20	0		
34-30		64		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



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

# SERIAL TEMPERATURE.

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

# REMARKS.

507

No. *Hy 1536* Date *Sept 2, 1888*  
*Tanner,* Machine. Reel.

Turns *50* Cor. + *2* Depth *52*

Shot or lead *25 lbs.*

Bottom *gy s r.*

Bottom temperature *46.6*

No. of Thermometer *617521* Cor. *-.1*

Corrected temperature *46.5*

Air *63* Surface *58* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>4 W</i>				
<i>9-13-40</i>	<i>9-15-15</i>	0		
<i>14-15</i>		<i>50</i>		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE.

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

## REMARKS.

607	S.L.P.			
No.	2868	Date	Sept. 2, 1888	
Ganner	Machine.	Reel.		
Turns	30	Cor. +	1	Depth 31
Shot or lead	25 lbs.			
Bottom	gys.			
Bottom temperature	47			
No. of Thermometer	61751	Cor. -	1	
Corrected temperature	46.9			
Air	63	Surface	58	Drift. 7/16 N. S.E.
Trawl or dredge or tangles	large beam			
SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9-52-15	9-53-15	0	1.27.30	54.20
		100	32.00	1 50 10
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Sent Dinghy to set trawl line.  
 caught - 1 skate, 3 dog fish, 1 starfish & 2 fish  
 name unknown

6 lines over the ship's side.  
 caught - nothing.

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

# SERIAL TEMPERATURE.

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

# REMARKS.

S&amp;P

No. *Hyd. 1527* Date *Sept. 21<sup>st</sup> 1888*  
*Tanner* Machine. Reel.

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

~~Shot or lead~~ *25 lbs.*

Bottom *gy S.*

Bottom temperature *48*

No. of Thermometer *61754* Cor. + *1*

Corrected temperature *48.1*

Air *61* Surface *58* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

P.M.	DOWN.	UP.	TURNS.	DOWN.	UP.
	<i>2.41.30</i>	<i>42.20</i>	0		
			100		
			200		
			300		
			400		
			500		
			600		
			700		
			800		
			900		
			1000		
			1100		
			1200		
			1300		
			1400		
			1500		
			1600		
			1700		
			1800		
			1900		
			2000		
			2100		
			2200		
			2300		
			2400		

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

SERIAL TEMPERATURE.

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

REMARKS.

SLP

No. *Hyd 1528* Date *Sept. 21<sup>st</sup> 1888*  
*Tanner* Machine. Reel.

Turns *31* Cor. + *2* Depth *33*

~~Shot or lead~~ *25 lbs.*

Bottom *fine gy. S.*

Bottom temperature *48*

No. of Thermometer *61754* Cor. *+1*

Corrected temperature *48.1*

Air *61* Surface *59* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

*P.M.* *3, 22 30* *23, 40*

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400



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

# SERIAL TEMPERATURE.

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

# REMARKS.

597  
*107.13.*

No. *2869* Date *Sept 21*

*Sanner* Machine. Reel.

Turns *31* Cor. + *1* Depth *32*

Shot or lead *25 lbs.*

Bottom *bk s.*

Bottom temperature *48.3*

No. of Thermometer *61754* Cor. + *.1*

Corrected temperature *48.4*

Air Surface Drift. *1 mile West*

Trawl or dredge or tangles *large beam*

SOUNDING WIRE.

*P.M.* DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

*4-2-20*

*3-20*

0

*4-9-00*

*39-15*

100

*12-40*

*4-52-50*

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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

#### SERIAL TEMPERATURE.

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

#### REMARKS.

*11173*

No. *1529* Date *Sept 21" 1888*

*Comer* Machine. Reel.

Turns *51* Cor. + *2* Depth *53*

Shot or lead *25 lbs*

Bottom *bk s*

Bottom temperature *49*

No. of Thermometer *61754* Cor. + *1*

Corrected temperature *49.1*

Air *63* Surface *58* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

*7.37*  
*5-25-35*

*27-15*

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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

SERIAL TEMPERATURE.

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

REMARKS.

597  
Sta. 713.

No. *1530* Date *Sept. 21* 1888

*Tanner* Machine. Reel.

Turns *72* Cor. + *3* Depth *75*

~~Shot or~~ lead *25-lbs.*

Bottom *fine gy. S.*

Bottom temperature *45.8*

No. of Thermometer *61754* Cor. *-.1*

Corrected temperature *45.7*

Air *63* Surface *58* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>P.M.</i> <i>6-10-35</i>	<i>12-20</i>	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

# SERIAL TEMPERATURE.

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

REMARKS.

507  
*Lat 73.*

No. *V. Syd 1531* Date *Sept 21" 1888*  
*Tanner* Machine. Reel.

Turns *107* Cor. + *4* Depth *111*

Shot or lead *25 lb*

Bottom *fine bk S*

Bottom temperature *45*

No. of Thermometer *61754* Cor. - *1*

Corrected temperature *44.9*

Air *63* Surface *58* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

*R77*  
*6-55-51* *59-30*  
*57-20* *57-30*

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

## SERIAL TEMPERATURE.

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

REMARKS.

No.

Hyd 1532

Date

Sept 21 " 1888

Machine. 2 Reel.

Turns

267

Cor. +

20

Depth

287

~~Shot or lead~~

38 lbs.

Bottom

br M.

Bottom temperature

41.2

No. of Thermometer

61754

Cor. - .1

Corrected temperature

41.1

Air

63

Surface

58

Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

P.M.

7-44-25

52-25

0

45-30

51-25

100

46-40

50-20

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 TEMPERATURE.

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

#### REMARKS.

No. *Hy. 1533* Date *Sept. 21<sup>st</sup> 88.*  
*Vigbee* Machine. Reel. *#2*  
 Turns *498* Cor. + *37* Depth *535*  
 Shot or lead *35 lbs.*  
 Bottom *bu m.*  
 Bottom temperature *39.3*  
 No. of Thermometer *61754* Cor. *-.1*  
 Corrected temperature *39.2*  
 Air *60* Surface *59* Drift.  
 Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>P.W.</i>				
<i>8-38-0</i>	<i>54-45</i>	<i>0</i>		
<i>39-30</i>	<i>54-0</i>	<i>100</i>		
<i>41-0</i>	<i>53-15</i>	<i>200</i>		
<i>46-45</i>	<i>52-30</i>	<i>300</i>		
<i>48-5</i>	<i>51-50</i>	<i>400</i>		
<i>49-50</i>	<i>51-0</i>	<i>498</i>		
		<del><i>500</i></del>		
		<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>		

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

# SERIAL TEMPERATURE.

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

# REMARKS.

No. *Hyd. 1534* Date *Sept-21<sup>st</sup> 88.*  
*Sigsbee* Machine. Reel. *#2*

Turns *708* Cor. + *50* Depth *758*

Shot or lead— *35 lbs*

Bottom *gy Oz.*

Bottom temperature *37.2*

No. of Thermometer *617524* Cor. *-.1*

Corrected temperature *37.1*

Air *60* Surface *59* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>P.M. 9-36-0</i>	<i>51-50</i>	0		
<i>37-20</i>	<i>51-5</i>	100		
<i>38-30</i>	<i>50-25</i>	200		
<i>39-40</i>	<i>49-45</i>	300		
<i>40-50</i>	<i>48-55</i>	400		
<i>42-10</i>	<i>48-10</i>	500		
<i>43-30</i>	<i>47-15</i>	600		
<i>44-45</i>	<i>9-46-15</i>	700		
		<del>800</del>		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

# SERIAL TEMPERATURE.

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

# REMARKS.

No. *Hyd. 1535* Date *Sept. 21<sup>st</sup> 98*

*Sigsbee* Machine. Reel. *#2*

Turns *538* Cor. + *40* Depth *578*

Shot or lead *35 lbs.*

Bottom *gy oz.*

Bottom temperature *38.4*

No. of Thermometer *61754* Cor. *-.1*

Corrected temperature *38.3*

Air *59* Surface *59* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>P.W. 10-34-0</i>	<i>47-20</i>	0		
<i>35-50</i>	<i>46-40</i>	100		
<i>37-15</i>	<i>46-0</i>	200		
<i>38-30</i>	<i>45-15</i>	300		
<i>39-45</i>	<i>44-20</i>	400		
<i>41-0</i>	<i>43-30</i>	500		
<i>41-30</i>	<i>10-43-0</i>	<i>38</i> 600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



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

# SERIAL TEMPERATURE.

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

# REMARKS.

No. 1441536 Date Sept. 21<sup>st</sup> 88,

Sigsbee Machine. Reel. #2

Turns 358 Cor. + 28 Depth 386

Shot or lead 35 lbs.

Bottom No specimen

Bottom temperature 40.2

No. of Thermometer 61754 Cor. -.1

Corrected temperature 40.1

Air 58 Surface 58 Drift.

Trawl or dredge or tangles

P.M. SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11-32-25	42-30	0		
34-10	41-45	100		
35-50	40-55	200		
37-20	40-0	300		
38-15	11-39-30	400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

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

REMARKS.

SLP

No. Hyd 1537 Date Sept 22<sup>d</sup> 1888

Tanner Machine. Reel.

Turns 79 Cor. + 3 Depth 82

~~Shot or lead~~ 25 lbs.

Bottom bu Mo.

Bottom temperature 45

No. of Thermometer 61754 Cor. -.1

Corrected temperature

Air 58 Surface 58 Drift. 44.9

Trawl or dredge or tangles

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

12.23

25.00

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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

# SERIAL TEMPERATURE.

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

REMARKS.

SLP

No. *Hyd 1538* Date *Sept. 22<sup>d</sup> 1888**Tanner* Machine. Reel.Turns *49* Cor. + *2* Depth *51*Shot or lead *25 lbs.*Bottom *fine sh. S.*Bottom temperature *46*No. of Thermometer *61754* Cor. *-.1*Corrected temperature *45.9*Air *57* Surface *57* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

*Am**1.04.**5.45*

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 TEMPERATURE.

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

# REMARKS.

SLP

No. *Hyd 1539* Date *Sept 22<sup>d</sup> 1888*  
*Tanner* Machine. Reel.

Turns *27* Cor. + *1* Depth *28*

Shot or lead *25 lbs*

Bottom *G. & P*

Bottom temperature *47*

No. of Thermometer *61754* Cor. - *1*

Corrected temperature *46.9*

Air *57* Surface *57* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

*1 45 30**46.35**0*

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400



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

# SERIAL TEMPERATURE.

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

# REMARKS.

SLP

No. *Hyd 1540* Date *Sept. 22<sup>d</sup> 1888*  
*Tanner* Machine. Reel.

Turns *27* Cor. + *1* Depth *28*

Shot or lead *25 lbs.*

Bottom *gy S.*

Bottom temperature *47.5*

No. of Thermometer *61754* Cor. *+ .1*

Corrected temperature *47.6*

Air *57* Surface *57* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

*Am.* DOWN. UP.  
*2 26 27.10*

## TURNS.

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

## DREDGE ROPE.

DOWN. UP.

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

#### SERIAL TEMPERATURE.

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

#### REMARKS.

SLP

No. *Hyd 1541* Date *Sept 22<sup>d</sup> 1888**Tanner* Machine. Reel.Turns *27* Cor. + *1*Depth *28*~~Shot or~~ lead *25 lbs*Bottom *P.*Bottom temperature *47*No. of Thermometer *61754* Cor. *-.1*Corrected temperature *46.9*Air *57* Surface *57* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

*3.04.00**05.00*

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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

# SERIAL TEMPERATURE.

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

REMARKS.

SLP

No. *Hyd 1542* Date *Sept. 22<sup>d</sup> 1888*  
*Tanner* Machine. Reel.

Turns *27* Cor. + *1* Depth *28*

Shot or lead *25 lbs*

Bottom *gy. S.*

Bottom temperature *48*

No. of Thermometer *61754* Cor. + *1*

Corrected temperature *48.1*

Air *56* Surface *57* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

3. 43.00

44.00

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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

SERIAL TEMPERATURE.

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

REMARKS.

Lat. 9.13

No. 1543 Date Sept 22 1888

Tanner Machine. Reel.

Turns 39 Cor. + 2 Depth 41

Shot or lead 25 lbs

Bottom bk. s.

Bottom temperature 46.7

No. of Thermometer 61754 Cor. - .1

Corrected temperature 46.6

Air 56 Surface 57 Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

Lat.

4-26-30

28-10

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400



2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE.

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

## REMARKS.

*1111.13.*  
No. *1544* Date *Sept 22* 1888

*Tanner* Machine. Reel.

Turns *54* Cor. + *2* Depth *56*

Shot or lead *25-lbs*

Bottom *bk. s.*

Bottom temperature *46.1*

No. of Thermometer *61754* Cor. *-.1*

Corrected temperature *46.0*

Air *56* Surface *57* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

*F. M.**5-7-10**9-00*

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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

# SERIAL TEMPERATURE.

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

# REMARKS.

507  
W. B.

No. 1545 Date Sept. 22 1888  
Tanner Machine. Reel.

Turns 71 Cor. + 3 Depth 74

Shot or lead 25 lbs.

Bottom bk S. P.

Bottom temperature 46

No. of Thermometer 6175-4 Cor. -1

Corrected temperature 45.9

Air 56 Surface 57 Drift.

Trawl or dredge or tangles

all

SOUNDING WIRE.

DOWN.

UP.

5-45-45

47-20

TURNS.

- 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

DREDGE ROPE.

DOWN.

UP.

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

SERIAL TEMPERATURE.

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

REMARKS.

507  
H. B. 13.

No. *Hyd. 1546* Date

*Tanner* Machine. Reel.

Turns *89* Cor. + *4* Depth *93*

Shot or lead *25 lbs*

Bottom *gn. M.*

Bottom temperature *45*

No. of Thermometer *61754* Cor. *- .1*

Corrected temperature *44.9*

Air *54* Surface *56* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

*A. M.*

*6-25-10*

*6-27-30*

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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

#### SERIAL TEMPERATURE.

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

#### REMARKS.

No. *1547* Date *Sept 22 1888*  
*Tanner* Machine. Reel.

Turns *430* Cor. + *8* Depth *438*

~~Shot or lead~~ *25 lb*

Bottom *gn. M.*

Bottom temperature *39.8*

No. of Thermometer *61754* Cor. - *.1*

Corrected temperature

Air *54* Surface *56* Drift.

~~Trawl or dredge or tangles~~

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

<i>7-7-15</i>	<i>20-40</i>	0		
<i>8-10</i>	<i>18-40</i>	100		
<i>9-00</i>	<i>16-40</i>	200		
<i>9-50</i>	<i>14-25</i>	300		
<i>10-40</i>	<i>11-15</i>	400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



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

# SERIAL TEMPERATURE.

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

REMARKS.

No.

Hyd. 1548

Date

Sept. 22 1888

Machine.

2 Reel.

Turns 418

Cor. +

32

Depth

450

Shot or lead

35 lbs.

Bottom

gn wv.

Bottom temperature

39.5

No. of Thermometer

61754

Cor. -

.1

Corrected temperature

39.4

Air

56

Surface

58

Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

8-03-0 12-30  
 04-15 11-40  
 05-20 10-50  
 06-30 10-0  
 07-45 4-09-0

400  
 18  
 500

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

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

#### SERIAL TEMPERATURE.

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

#### REMARKS.

*Hyd.*

No. *Hyd. 1549* Date *Sept. 22<sup>d</sup> 88*

*Sigsbee* Machine. Reel. *#2*

Turns *85* Cor. + *6* Depth *91*

Shot or lead *38 lbs.*

Bottom

Bottom temperature *none taken*

No. of Thermometer *61752* Cor. *0.02*

Corrected temperature

Air *56* Surface *58* Drift.

Trawl or dredge or tangles

*Wire parted - lost, Thermometer 61752 + 38 lb. Lead.*

*10 fath. lost*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

*8-49-0*

*850*

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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

# SERIAL TEMPERATURE.

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

# REMARKS.

No. *Hyd. 1550* Date *Sept. 22<sup>d</sup>. 88**anner* Machine. Reel.Turns *75* Cor. + *3* Depth *78*Shot or lead *25 lbs*Bottom *g. s.*Bottom temperature *none taken.*

No. of Thermometer ——— Cor.

Corrected temperature

Air *57* Surface *59* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

*A. W.*  
*9-41-0**9-42-30*

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	

# SERIAL TEMPERATURE.

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

REMARKS.

No. 144. 1551

Date

Sept. 22d. 88

Tanner

Machine.

Reel.

Turns 73 Cor. + 3 Depth 76

Shot or lead 35 lbs.

Bottom y. m.

Bottom temperature 46

No. of Thermometer 61751 Cor. —

Corrected temperature 46

Air 57 Surface 59 Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

A. W. 10-21-10

10-23-45

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 TEMPERATURE.

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

REMARKS.

No. *Hyd 1552* Date *Sept. 22<sup>d</sup> 11.*  
*anner.* Machine. Reel.

Turns *84* Cor. + *3* Depth *87*

Shot or lead *25 lbs.*

Bottom *Rky.*

Bottom temperature *46*

No. of Thermometer *61751* Cor. *—*

Corrected temperature *46*

Air *57* Surface *60* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

*Aw*

*11-01-50 11-04-15*

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE.

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

REMARKS.

No. *Hyd 1553*

Date

*Sept. 22<sup>d</sup>. 88.**Tanner*

Machine.

Reel.

Turns *244* Cor. + *6*Depth *250*Shot or lead *25 lbs.*Bottom *Rky*Bottom temperature *I. did not capsize.*No. of Thermometer *61751* Cor.

Corrected temperature

Air *57* Surface *59* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

*11-41-0**11-54-35*

0

*42-0*

100

*43-*

200

*43, 30**44*  
300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE.

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

REMARKS.

SLP

No. *Hyd 1554* Date *Sept. 22<sup>d</sup> 1888**Tanner* Machine. Reel.Turns *176* Cor. + *5* Depth *181*Shot or lead *25 lbs.*Bottom *rky*Bottom temperature *44.9*No. of Thermometer *61751* Cor. *—*Corrected temperature *44.9*Air *58* Surface *60* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

P.M. DOWN.

UP.

DOWN.

UP.

*12.38 45**45.00*

0

*39.30**43.00*

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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

### SERIAL TEMPERATURE.

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

### REMARKS.

No. *Hyd 1555* Date *Sept. 22<sup>d</sup> 1888*

*Tanner* Machine. Reel.

Turns *77* Cor. + *3* Depth *80*

Shot or lead *25 lbs.*

Bottom *gy S.*

Bottom temperature *46*

No. of Thermometer *61751* Cor. *—*

Corrected temperature *46.*

Air *58* Surface *60* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>P.M.</i> <i>1.23.15</i>	<i>25.00</i>	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



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

# SERIAL TEMPERATURE.

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

# REMARKS.

S.L.P.

No. *Hyd 1556* Date *Sept 22<sup>d</sup> 1888*  
*Tanner* Machine. Reel.

Turns *61* Cor. + *3* Depth *64*

~~Shot or lead~~ *25 lb*

Bottom *sky*

Bottom temperature *46.1*

No. of Thermometer *61751* Cor. *—*

Corrected temperature *46.1*

Air *60* Surface *60* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
<i>P.M.</i> DOWN.	UP.		DOWN.	UP.
<i>2.00.30</i>	<i>02.15</i>	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

# SERIAL TEMPERATURE.

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

# REMARKS.

SLP

No. *Hyd 1557* Date *Sept. 22<sup>d</sup> 1888*  
*Tanner* Machine. Reel.

Turns *40* Cor. + *2* Depth *42*

~~Shot or~~ lead *25 lbs*

Bottom *ry*

Bottom temperature *47*

No. of Thermometer *61751* Cor. *—*

Corrected temperature *47*

Air *60* Surface *59* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

*P.M.**2.41.15**42.30*

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	

# SERIAL TEMPERATURE.

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

# REMARKS.

SLP

No. Hyd 1558 Date Sept. 22<sup>d</sup> 1888  
 Tanner Machine. Reel.

Turns 31 Cor. + 2 Depth 33

~~Shot or lead~~ 25 lb.

Bottom gy & bk S.

Bottom temperature 47.8

No. of Thermometer 61751 Cor. +.3

Corrected temperature 48.1

Air 60 Surface 59 Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

P.M.

3.18.00

19.00

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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

# SERIAL TEMPERATURE.

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

REMARKS.

SLP

No. *Hyd 1559* Date *Sept 22<sup>d</sup> 1888*  
*Tanner* Machine. Reel.

Turns *17* Cor. + *1* Depth *18*

~~Shot or~~ lead *25 lbs.*

Bottom *gy S.*

Bottom temperature *57.4*

No. of Thermometer *61751* Cor. + *4*

Corrected temperature *57.8*

Air *60* Surface *59* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>P.M. 3. 56.00</i>	<i>57.00</i>	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



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

# SERIAL TEMPERATURE.

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

# REMARKS.

507  
F.B.

No. *560* Date *Sept 22" / 1888*

*Yimmer* Machine. Reel.

Turns *33* Cor. + *2* Depth *35*

~~Shot or lead~~ *25 lb*

Bottom *fine gy S*

Bottom temperature *48*

No. of Thermometer *61751* Cor. + *.3*

Corrected temperature *48.3*

Air *57* Surface *59* Drift.

~~Trawl or dredge or tangles~~

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

*P.M.*

*4-47-30*

*49-45*

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 TEMPERATURE.

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

# REMARKS.

507  
H. F. B.

No. *Hyd 1561* Date *Sept 22/88*  
*Sigsbee* Machine. Reel.  
Turns *46* Cor. + *2* Depth *48*  
~~Shot or lead~~ *25 lbs*  
Bottom *fine gy S*  
Bottom temperature *47*  
No. of Thermometer *61751* Cor. *—*  
Corrected temperature *47*  
Air *58* Surface *59* Drift.  
~~Trawl or dredge or tangles~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>P. M.</i> <i>5-52-25</i>	<i>33-40</i>	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

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

REMARKS.

507  
Litt #3.

No. *1562* Date *Sept 22 1888*

*Summer* Machine. Reel.

Turns *56* Cor. + *2* Depth *58*

~~Shot~~ or lead *25 lbs*

Bottom *fine gy S.*

Bottom temperature *46.4*

No. of Thermometer *61751* Cor. *—*

Corrected temperature *46.4*

Air *57* Surface *59* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>P.M.</i>				
<i>6-10-30</i>	<i>11-50</i>	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

# SERIAL TEMPERATURE.

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

# REMARKS.

No. *1563* Date *Sept 22 1888**Tanner* Machine. Reel.Turns *61* Cor. + *3* Depth *64*Shot or lead *25 lbs*Bottom *fine bk S.*Bottom temperature *55.5*No. of Thermometer *61757* Cor. + *3*Corrected temperature *55.8*Air *57* Surface *59* Drift.~~Trawl or dredge or tangles~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>6-52-00</i>	<i>53-40</i>	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE.

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

REMARKS.

507  
K. F. B.

No. *Hyd 1564* Date *Sept 22 1888*  
*Sigsbee* Machine. Reel.

Turns *75* Cor. + *3* Depth *78*

Shot or lead *25 lb*

Bottom *fine brs s*

Bottom temperature *46*

No. of Thermometer *61757* Cor. *—*

Corrected temperature *46*

Air *57* Surface *53* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>P. M.</i>				
<i>7-25-20</i>	<i>27-45</i>	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

# SERIAL TEMPERATURE.

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

# REMARKS.



No. *Hyd. 1565* Date *Sept. 22<sup>d</sup> 88*

*anner* Machine. Reel.

Turns *78* Cor. + *3* Depth *81*

Shot or lead *25 lbs.*

Bottom *gy S.*

Bottom temperature *45.5*

No. of Thermometer *61751* Cor. *—*

Corrected temperature *45.5*

Air *58* Surface *60* Drift.

~~Trawl or dredge or tangles~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>P.W.</i> <i>8-18-0</i>	<i>8-25-0</i>	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE.

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

REMARKS.

No. 144, 15-66 Date Sept. 22<sup>d</sup>, 1888.

Tanner Machine. Reel.

Turns 128 Cor. + 4 Depth 132

Shot or lead 25 lbs.

Bottom Rky

Bottom temperature 45

No. of Thermometer 61451 Cor. —

Corrected temperature 45

Air 58 Surface 60 Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

P.W. 9-38-50 9-38-30  
35-10

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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

#### SERIAL TEMPERATURE.

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

#### REMARKS.



No. *Hyd. 1564* Date *Sept- 22<sup>d</sup>, 88*

*Tanner* Machine. Reel.

Turns *69* Cor. + *3* Depth *72*

Shot or lead *25 lbs.*

Bottom *gy m*

Bottom temperature *45.4*

No. of Thermometer *61751* Cor. *—*

Corrected temperature *45.4*

Air *58* Surface *60* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

*10-28-15 10-31-50*

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400



2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE.

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

REMARKS.

No. 1494 1568 Date Sept. 23d 88

Tanner Machine. Reel.

Turns 48 Cor. + 2 Depth 50

Shot or lead 25 lbs

Bottom gy S

Bottom temperature 46

No. of Thermometer 61751 Cor. —

Corrected temperature 46

Air 58 Surface 59 Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

## TURNS.

## DREDGE ROPE.

DOWN.

UP.

P.M. 11-24-30 11-26-30

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	

SERIAL TEMPERATURE.

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

REMARKS.

S.L.P.

No. Hyd 1569 Date Sept, 23<sup>d</sup>/1888  
 Tanner Machine. Reel.

Turns 35 Cor. + 2 Depth 37

~~Shot~~ or lead 25 lbs.

Bottom gy S.

Bottom temperature 46.7

No. of Thermometer 61751 Cor. —

Corrected temperature 46.7

Air 57 Surface 58 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
12.15.30	16.30	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		

Ex. noted

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

SERIAL TEMPERATURE.

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

REMARKS.

# Cor. Table Reel #2

Cor	turns	Cor	turns	Cor	turns
0	50	29	1400	95	2750
0	100	30	1450	98	2800
+ 1	150	31	1500	101	2850
1	200	33	1550	104	2900
2	250	35	1600	107	2950
3	300	37	1650	110	3000
4	350	39	1700	113	3050
4	400	41	1750	116	3100
5	450	43	1800	120	3150
6	500	45	1850	124	3200
7	550	47	1900	128	3250
8	600	49	1950	132	3300
9	650	51	2000	136	3350
10	700	53	2050	140	3400
11	750	56	2100	144	3450
12	800	59	2150	148	3500
13	850	62	2200	151	3550
14	900	65	2250	155	3600
15	950	68	2300	159	3650
17	1000	71	2350	163	3700
19	1050	74	2400	167	3750
21	1100	77	2450	171	3800
22	1150	80	2500	175	3850
23	1200	83	2550	179	3900
24	1250	86	2600	183	3950
25	1300	89	2650	187	4000
27	1350	92	2700	192	4050

