

1878
No 620 Survey

Dec 1 1878
1878
1878 Dec 13 1878

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

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

REMARKS:

Lat:

Long:

W.C. 2655 Hy^RNo. 1 Survey. Date Oct. 11th 1896Sigsbee Machine. $\frac{1}{2}$ Reel. Navy.

Turns 48 Cor. + 4 Depth 52 fms.

Shot or lead 35 lbs.

Bottom fine. bk. S.

Bottom temperature 49° -

No. of thermometer 69476 Cor. -

Corrected temperature 49°

Air 50° Surface 55° Drift —

Trawl or dredge —

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

9-48-45

52-00

0

50-00

9-50-10

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

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

REMARKS:

Lat:

Long:

No. 2 Survey. Date Oct. 11-1891.

Hand lead Machine. — Reel. —

Turns — Cor. + — Depth 24½ fms.

Shot or lead 14 lbs.

Bottom soft

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air 50 Surface 55 Drift

Trawl or dredge —

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

10-03-00

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 TEMPERATURES.

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

REMARKS:

^{507.} Lat. 2657 Long.
 No. 3 Survey, Date Oct. 11-1891.
 Hand lead. Machine. Reel.

Turns — Cor. + — Depth 20 $\frac{1}{4}$ fms.

Shot or lead 14 lbs.

Bottom sfl

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air 50° Surface 55 Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10-05-00		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 TEMPERATURES.

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

REMARKS:

U.S.C. Lat: 26 58 Long:
 No. 4 Survey. Date Oct. 11. 1891.
 Hand lead Machine. Reel.
 Turns — Cor. + — Depth 15 $\frac{1}{4}$ fms.
 Shot or lead 14 lbs.
 Bottom sfl
 Bottom temperature —
 No. of thermometer — Cor. —
 Corrected temperature —
 Air 50° Surface 55° Drift —
 Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>A.M.</i> 10-07-00	—	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 TEMPERATURES.

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

REMARKS:

C. H. P. Lat: 2659

Long:

No. 5 Survey, Date Oct: 11-1891.

Hand lead Machine. Reel.

Turns — Cor. + — Depth 12 fms.

Shot or lead 14 lbs.

Bottom S/I-

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air 50° Surface 53° Drift —

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10-09.00	—	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 TEMPERATURES.

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

REMARKS:

Lat. 26° 50'
Long. 111° 11'
 No. 6 Survey. Date Oct. 11-1891.
 Hand lead Machine. Reel.
 Turns — Cor. + — Depth 10 fms.
 Shot or lead 14 lbs.
 Bottom *sf*
 Bottom temperature —
 No. of thermometer — Cor. —
 Corrected temperature —
 Air 50° Surface 55° Drift —
 Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10-11-00	—	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 TEMPERATURES.

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

REMARKS:

Lat: 2661

Long:

No. 7 Survey. Date Oct: 11-1891.
Hand lead Machine. Reel.

Turns — Cor. + — Depth 93 3/4 fms —
Shot or lead 14 lbs.

Bottom S/L

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air 50° Surface 53° Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10-13-00	—	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 TEMPERATURES.

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

REMARKS:

G.C. Lat: 2662

Long:

No. 8 Survey. Date *Oct. 11-1891.*
Hand lead Machine. Reel.

Turns — Cor. + — Depth *4 1/2 fms*

~~Shot or lead~~ *14 lbs.*

Bottom *Sf1*

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air *50°* Surface *55°* Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>10-15</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 TEMPERATURES.

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

REMARKS:

C. G. Lat: 2663 Long:
 No. *9* Survey. Date *Oct: 11-1891.*
Hand lead Machine. Reel.

Turns — Cor. + — Depth *7 1/2 fms*
 Shot or lead *14 lbs.*
 Bottom *sp-1-*
 Bottom temperature —
 No. of thermometer — Cor. —
 Corrected temperature —
 Air *50°* Surface *55°* Drift —
 Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>10-18-</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 TEMPERATURES.

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

REMARKS:

Lat: 2664

Long:

No. 10 Survey. Date

Oct 11-1891.

Hand lead Machine. Reel:

Turns — Cor. + — Depth 9 fms —

Shot or lead 14 lbs.

Bottom S/L

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air 50° Surface 55° Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10-20-	—	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

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

REMARKS:

C. G. Lat: 2665

Long:

No. 11 Survey. Date Oct: 11-1891.

Hand lead Machine. Reel.

Turns — Cor. + — Depth 15 fms.

Shot or lead 14 lbs.

Bottom 541-

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air 50° Surface 55° Drift —

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10-21-	—	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

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

REMARKS:

C. G. C. Lat: 2666

Long:

No. 12 Survey Date Oct: 11-1891-

Hand lead Machine. Reel.

Turns — Cor. + — Depth 18 1/2 fms.

Shot or lead 14 lbs.

Bottom 8/1-

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air 50.° Surface 53 Drift —

Trawl or dredge —

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

10-23-

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 TEMPERATURES.

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

REMARKS:

C. S. P.
Lat: 2669

Long:

No. 13 Survey. Date Oct. 11-1891.

Hand lead Machine. Reel.

Turns — Cor. + — Depth 23 $\frac{1}{2}$ fms.

Shot or lead 14 lbs.

Bottom 8/1-

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air 50° Surface 53° Drift —

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10-25-	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 TEMPERATURES.

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

REMARKS:

Lat. 2668

Long:

No. 14 Survey. Date Oct. 11-1891.

Sigsbee Machine. #1 Reel. Navy.

Turns 50 Cor. + 4 Depth 54 fms.

Shot or lead 35 lbs.

Bottom bk. M.

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air 52° Surface 55° Drift —

Trawl or dredge —

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

10:40:30

42:30

0

41:20

10:41:30

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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

SERIAL TEMPERATURES.

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

REMARKS:

Lat: 2669

Long:

No. 15. Survey. Date Oct: 11-1891.

Sigsbee Machine. #1 Reel. Navy.

Turns 68 Cor. + 7

Depth 75 fms.

Shot or lead 35 lbs.

Bottom gn. M.

Bottom temperature —

No. of thermometer —

Cor. —

Corrected temperature —

Air 53°

Surface 56°

Drift —

Trawl or dredge —

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

10:54.15

58:30

0

55:15

10:56:00

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 TEMPERATURES.

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

REMARKS:

Lat: 26° 10'

Long:

No. 16 Survey. Date Oct: 11-1891.

Sigsbee Machine. #1 Reel. Vary

Turns 114 Cor. + 10 Depth 124 fms.

Shot or lead 35 lbs.

Bottom dk. gn. M.

Bottom temperature 47.5°

No. of thermometer 69476 Cor. -

Corrected temperature 47.5

Air 53° Surface 56° Drift -

Trawl or dredge -

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11:09:15	13.30	0		
11.00	11.11.15	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

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

REMARKS:

Lat: 26 71 *Long:*
No. 17 Survey. *Date Oct 11-1891.*
Sigsbee *Machine.* *N. 1* *Reel.* *Navy.*
Turns 151 *Cor. + 14* *Depth 165 fms.*
Shot or lead 35 lbs.
Bottom gn. M.
Bottom temperature _____
No. of thermometer _____ *Cor.* _____
Corrected temperature _____
Air 53° *Surface 56°* *Drift* _____
Trawl or dredge _____

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11.22.00	27:30	0		
23.10	26.00	100		
23.45	11:25:00	200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

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

REMARKS:

Lat: 2672.

Long:

No. 18 Survey, Date Oct. 11-1891.

Sigsbee Machine. #1 Reel. Navy.

Turns 195 Cor. + 18 Depth 213 fms.

Shot or lead 35 lbs.

Bottom dk. gn. M.

Bottom temperature 46.1

No. of thermometer 69476 Cor. -

Corrected temperature 46.1

Air 53 Surface 56° Drift -

Trawl or dredge -

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

11:36:15 42:15
37:20 41:00
38:30 11.39:30

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

4782
195
 4587

228
210
 18
195
 213

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

SERIAL TEMPERATURES.

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

REMARKS:

Lat: 2673-

Long:

Oct 11-1891.

No. 19 Survey. Date

Sigsbee Machine. #1 Reel. Navy.

Turns 244 Cor. + 22 Depth 266 fms.

Shot or lead 60 lbs.

Bottom fm. m.

Bottom temperature —

No. of thermometer —

Cor. —

Corrected temperature —

Air 53° Surface 56° Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11:51:00	12:00:20	0		
52:05	59:30	100		
53:05	11:58:00	200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

4782	228	2500	
<u>244</u>	<u>206</u>	2600	
4538	22	2700	
	<u>244</u>	2800	
	26.6	2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

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

REMARKS:

Lat: 2674. *Long:*
No. 20 *Survey* *Date* October 11th 1891
Sigsbee *Machine.* #1 *Reel.* Navy.

Turns 323 *Cor.* + 29 *Depth* 352
Shot or lead 60 lbs
Bottom - br m & s.
Bottom temperature 53.5
No. of thermometer 69476 *Cor.* -
Corrected temperature 53.5
Air 54° *Surface* 53° *Drift*
Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
12-07-35	15-0	0		
08-30	14-0	100		
09-25	13-0	200		
10-25		300		
10-45	10-12-0	400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

4782	228	2500	
323	199	2600	
4459	29	2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

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

REMARKS:

St. Pat. 2675

Long

No. *21* Survey Date *October 11th 1891*

Sigsbee Machine. *71* Reel. *Mary*

Turns *355* Cor. + *33* Depth *388*

Shot or lead *65 lbs*

Bottom *cr. m. & s.*

Bottom temperature *—*

No. of thermometer *—* Cor. *—*

Corrected temperature *—*

Air *54* Surface *53* Drift

Trawl or dredge *—*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>12-24-15</i>	<i>34-0</i>	0		
<i>25-10</i>	<i>33-0</i>	100		
<i>26-05</i>	<i>32-0</i>	200		
<i>27-0</i>	<i>31-0</i>	300		
<i>27-45</i>	<i>12-30-30</i>	400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

4782	528	2500	
355	195	2600	
4427	33	2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

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

REMARKS:

~~Lat~~ 2676 - Long:
 No. 22 Survey Date October 11th 91,
 Sigbee Machine. # Reel. Mary,
 Turns 405 Cor. + 37 Depth 442
 Shot or lead 60 lbs,
 Bottom fine gy. S.
 Bottom temperature 39.5
 No. of thermometer 69476 Cor. -
 Corrected temperature 39.5
 Air 52° Surface 53° Drift
 Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
121-45-45	56-15	0		
46-45	55-15	100		
47-45	54-15	200		
48-45	53-15	300		
49-50	52-52-15	400		
		405		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

4782	528	2500	
405	191	2600	
4377	37	2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

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

REMARKS:

Lat. 2677- *Long.*
No. 23 *Survey Date* October 11th 1891
Sigsbee *Machine.* #1 *Reel.* Starry
Turns 345 *Cor.* + 32 *Depth* 377
Shot or lead 60 lbs.
Bottom - gy S
Bottom temperature —
No. of thermometer — *Cor.* —
Corrected temperature —
Air 55 *Surface* 56 *Drift*
Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1-13-45	22-30	0		
15-0	21-15	100		
16-15	20-45	200		
17-25	20-0	300		
18-0	1-19-30	400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

4782	228	2500
845	196	2600
4437	32	2700
		2800
		2900
		3000
		3100
		3200
		3300
		3400
		3500
		3600
		3700
		3800
		3900
		4000

SERIAL TEMPERATURES.

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

REMARKS:

at ~~TP~~ Lat: 2678.

Pong:

No. 24 Surrey Date October 11th 1891

Sigsbee Machine. #1 Reel. Yang.

Turns 568 Cor. + 50 Depth 618

Shot or lead 60 lbs.

Bottom br in & S.

Bottom temperature 39°

No. of thermometer 6447.6 Cor. —

Corrected temperature 39°

Air 55 Surface 55 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1-40-45	55-15	0		
41-55	54-15	100		
42-55	53-15	200		
44-0	52-15	300		
45-0	51-15	400		
46-15	50-15	500		
47-16	1-49-45	600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

4782	228	2500
568	178	2600
<u>4214</u>	<u>50</u>	2700
		2800
		2900
		3000
		3100
		3200
		3300
		3400
		3500
		3600
		3700
		3800
		3900
		4000

SERIAL TEMPERATURES.

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

REMARKS:

507. *Lat. 26 29 -* *Long.*
 No. *25* *Survey* Date *October 11/91*
Sigsbee Machine. *71* Reel. *Navy*

Turns *548* Cor. + *45* Depth *548*

Shot or lead *60 lbs*

Bottom *br an r s*

Bottom temperature *40 -*

No. of thermometer *69476* Cor. *-*

Corrected temperature *40°*

Air *55* Surface *55* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>2-14-30</i>	<i>27-30</i>	0		
<i>15-50</i>	<i>26-30</i>	100		
<i>17-0</i>	<i>25-30</i>	200		
<i>18-5</i>	<i>24-30</i>	300		
<i>19-15</i>	<i>23-30</i>	400		
<i>20-30</i>	<i>22-35</i>	500		
		548		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

4782	258	2500	
503	183	2600	
4279	45	2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

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

REMARKS:

107. Lat. 2680 Long.
 No. 26 Survey Date October 11th 91
 Signature Machine. 79 Reel. Mary
 Turns 800 Cor. + 68 Depth 868
 Shot or lead 62 lbs.
 Bottom br m + S.
 Bottom temperature 37
 No. of thermometer 69476 Cor. -
 Corrected temperature 37°
 Air 55 Surface 55 Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2-58-0	17-15	0		
59-0	16-0	100		
3-0-0	15-0	200		
01-05	14-0	300		
02-15	13-0	400		
03-30	12-0	500		
04-40	11-0	600		
06-0	10-0	700		
07-10	5-09-0	800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

4782	228	2500	
800	160	2600	
5982	68	2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

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

REMARKS:

Lat: *EB 7681*, Long: *27 Survey*
 No. *27 Survey* Date *October 11th 1891*
Sigsbee Machine. *#1* Reel. *Star*

Turns *474* Cor. + *42* Depth *486*

Shot or lead *60 lb*

Bottom *gy. s*

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air *55* Surface *55*

Drift —

Trawl or dredge —

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>3-46-45</i>	<i>58 10</i>	0		
<i>47-45</i>	<i>56.40</i>	100		
<i>48-50</i>	<i>56.50</i>	200		
<i>50-0</i>	<i>55 15</i>	300		
<i>51-10</i>	<i>54 30</i>	400		
<i>52-0</i>	<i>53-45</i>	500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

4782	228	2500	
474	186	2600	
4308	42	2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

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

REMARKS:

JEB
 507. Lat: 2682 Long:
 No. 28 Survey Date October 11, 1891
 Machine. — Reel. —
 Turns 610 Cor. + 53 Depth 663 fms
 Shot or lead 60 lbs
 Bottom br. m + s.
 Bottom temperature 38°
 No. of thermometer 69476 Cor. —
 Corrected temperature 38°
 Air 55 Surface 55 Drift —
 Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
32.05	47.55	0		
33.17	47.05	100		
34.25	46.10	200		
35.40	44.55	300		
37.00	43.45	400		
38.20	42.20	500		
39.45	41.00	600		
39.55	40.30	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 TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300		4782	228	228
400		610	167	175
500		4872	61	53
600				
700				
800				
900				
1000				

REMARKS:

Lat: 2683 -

Long:

No. 29 Survey. Date

Oct: 11-1891.

Sigsbee Machine. #1 Reel. Rang.

Turns 709 Cor. + 61 Depth 770 fm

Shot or lead 60 lbs.

Bottom

br M. & S.

Bottom temperature —

No. of thermometer —

Cor. —

Corrected temperature —

Air 54

Surface 55

Drift —

Trawl or dredge —

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

29 15	46.45	0		
30.25	45.45	100		
31.20	44.35	200		
32.00	43.30	300		
33.35	42.15	400		
34.45	41.15	500		
36.00	39.55	600		
37.15	39.00	700		
37.20	38.30	800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

4782 709 4073	228 167 61 709 770	2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
728 166 62 709 771	4782 709 4073	3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

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

REMARKS:

Y.B. 2684-
 No. *30* *Survey* Date *Oct 11 11/84*
Super Machine. # *1* Reel. *Mary*
 Turns *1035* Cor. + *87* Depth *1122 fms*
 Shot or lead *60 lbs*
 Bottom *bn. M & S.*
 Bottom temperature *35.5*
 No. of thermometer *69476* Cor. -
 Corrected temperature *35.5*
 Air *54* Surface *54* Drift
 Trawl or dredge -

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>6.30.50</i>	<i>04.40</i>	0		
<i>41.20</i>	<i>04.10</i>	100		
<i>42.30</i>	<i>03.40</i>	200		
<i>43.35</i>	<i>02.40</i>	300		
<i>44.40</i>	<i>12.00</i>	400		
<i>45.45</i>	<i>01.00</i>	500		
<i>46.50</i>	<i>7 00.00</i>	600		
<i>48.10</i>	<i>58.50</i>	700		
<i>49.25</i>	<i>57.45</i>	800		
<i>50.35</i>	<i>56.35</i>	900		
<i>51.55</i>	<i>55.20</i>	1000		
<i>52.20</i>	<i>55-3.10</i>	1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

No. 31 Survey Date Oct 11-1891.
 Sigbee Machine. #1 Reel. Vary.
 Turns 1317 Cor. + 107 Depth 1424 fms
 Shot or lead 60 lbs.
 Bottom br. M.
 Bottom temperature 35.1 -
 No. of thermometer 69476 Cor. -
 Corrected temperature 35.1
 Air 55 Surface 55 Drift -
 Trawl or dredge -

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8:42:15	16:30	0		
44:00	15:15	100		
45:15	14:00	200		
46:15	13:00	300		
47:15	11:50	400		
48:15	10:45	500		
49:20	09:45	600		
50:30	08:30	700		
51:40	07:20	800		
52:45	06:10	900		
54:00	05:00	1000		
55:10	03:30	1100		
56:30	02:00	1200		
57:50	00:30	1300		
58:10	9.00.00	1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

4782	228	2500	
1317	121	2600	
3465	107	2700	
	1317	2800	
	1424	2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

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

REMARKS:

Thermometer badly fouled
by kelp, a large piece of
which came in with the
instrument.

No. 32 Survey Date Oct 11-1891.
 Sigbee Machine. 1 Reel. Vary.
 Turns 1479 Cor. + 118 Depth 1597 fms -
 Shot or lead 60 lbs.
 Bottom fm. M.
 Bottom temperature 35° -
 No. of thermometer 69476 Cor. -
 Corrected temperature 35°
 Air 55 Surface 55 Drift -
 Trawl or dredge -

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10:46:30	23:20	0		
47:30	22:30	100		
48:30	21:40	200		
49:30	20:45	300		
50:30	19:50	400		
51:30	18:55	500		
52:30	17:50	600		
53:30	16:45	700		
54:30	15:35	800		
55:40	14:30	900		
56:45	13:20	1000		
58:00	12:15	1100		
59:15	10:20	1200		
11:00:30	09:00	1300		
01:45	07:15	1400		
02:30	11:05:45	1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

4782	228	2500
1479	110	2600
3903	118	2700
	1479	2800
	1597	2900
		3000
		3100
		3200
		3300
		3400
		3500
		3600
		3700
		3800
		3900
		4000

SERIAL TEMPERATURES.

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

REMARKS:

Lat: 2687- Long: 101° 15' 91
 No. 33 Survey Date October 15/91
 Sigsbee Machine. #1 Reel. Tany.
 Turns 1540 Cor. + 121 Depth 1661 fms.
 Shot or lead 60 lbs
 Bottom m.m.
 Bottom temperature 35.0
 No. of thermometer 69476 Cor. -
 Corrected temperature 35.0
 Air 55 Surface 55 Drift -
 Trawl or dredge -

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
12-50-45	1-33-15	0		
52-15	31-45	100		
53-15	30-30	200		
54-30	29-15	300		
56-0	28-0	400		
57-10	26-40	500		
58-15	25-15	600		
59-45	24-15	700		
1-01-0	23-0	800		
2-15	22-0	900		
3-35	21-0	1000		
05-5	19-45	1100		
06-15	18-30	1200		
08-20	17-15	1300		
09-45	16-0	1400		
11-25	14-45	1500		
12-10	1-14-10	1540		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Shot - 60 lbs lead

4782	228	2500		
1540	107	2600		
<u>3242</u>	<u>121</u>	2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
4482		3500	4782	228
1540		3600	1540	106
		3700	<u>3242</u>	<u>122</u>
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

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

REMARKS:

Feb 27
 Lat: 2688 Long:
 No. 34 Survey Date Oct. 12/91
 Sigsbee Machine. #1 Reel. Vary
 Turns 1780 Cor. + 127 Depth 1907 fms
 Shot or lead 60 lbs.
 Bottom br m s
 Bottom temperature 35°
 No. of thermometer 69476 Cor. -
 Corrected temperature 35°
 Air 56 Surface 54 Drift
 Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4. 21.10	07.30	0		
22. 05	06.35	100		
23. 20	05.40	200		
24. 32	04.45	300		
25. 55	03.55	400		
27. 06	03. 00	500		
28. 10	02.10	600		
29. 35	01.17	700		
30. 50	5 00 20	800		
32. 20	59.20	900		
33. 40	58.00	1000		
34. 57	57. 10	1100		
36. 15	56.20	1200		
37. 40	55. 00	1300		
39. 00	53.30	1400		
40. 30	52.12	1500		
42. 05	50.56	1600		
43. 20	48.40	1700		
44. 00	4. 47.20	1780		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Lost 300 fms wire shot and
 surrounding up

4482	201	2500
1780	74	2600
<u>2702</u>	<u>127</u>	2700
		2800
		2900
		3000
		3100
		3200
		3300
		3400
201	4482	3500
74	1780	3600
<u>127</u>	<u>2702</u>	3700
1780		3800
<u>1907</u>		3900
		4000

SERIAL TEMPERATURES.

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

REMARKS:

Lat. 26 89 *Long. 0*
 No. *35* Survey Date *Oct 12 1891*
Supper Machine. *#1* Reel. *Nav*
 Turns *1852* Cor. + *131* Depth *1983 fms*
 Shot or lead *60 lbs*
 Bottom *(not registered)*
 Bottom temperature *35°*
 No. of thermometer *69476* Cor. -
 Corrected temperature *35°*
 Air *55* Surface *55* Drift -
 Trawl or dredge -

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>6.34.20</i>	<i>23.15</i>	0		
<i>35.35</i>	<i>22.25</i>	100		
<i>36.45</i>	<i>21.35</i>	200		
<i>37.55</i>	<i>20.40</i>	300		
<i>39.05</i>	<i>20.00</i>	400		
<i>40.15</i>	<i>19.00</i>	500		
<i>41.30</i>	<i>18.00</i>	600		
<i>42.45</i>	<i>17.30</i>	700		
<i>44.00</i>	<i>16.00</i>	800		
<i>45.15</i>	<i>14.40</i>	900		
<i>46.35</i>	<i>13.00</i>	1000		
<i>47.55</i>	<i>11.30</i>	1100		
<i>49.10</i>	<i>10.20</i>	1200		
<i>50.30</i>	<i>09.40</i>	1300		
<i>52.00</i>	<i>07.20</i>	1400		
<i>53.30</i>	<i>04.40</i>	1500		
<i>55.00</i>	<i>03.20</i>	1600		
<i>56.30</i>	<i>02.55</i>	1700		
<i>58.00</i>	<i>7.00.00</i>	1800		
<i>58.50</i>	<i>59.00</i>	1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Lost sounding cup.
 Spent the wire up

~~4482~~
~~1852~~

2630

201
40

131

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

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		4482	201	
50		1852	70	
100		2630	131	
200			1852	
300			1983	
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Lat: 2690

Long:

No. 36 Survey Date Oct: 12 - 1891.

Sigsbee Machine. #1 Reel. Navy.

Turns 1926 Cor. + 135 Depth 2061 fms.

Shot or lead 60 lbs.

Bottom gy. Oz. 35°

Bottom temperature

No. of thermometer 69476 Cor. -

Corrected temperature 35°

Air 55 Surface 54 Drift -

Trawl or dredge -

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
8:45:15	36-00	0		
46:30	35-10	100		
47:30	34-25	200		
48:45	33-40	300		
49:45	32-50	400		
51:00	32-00	500		
52:15	31-05	600		
53:30	30-05	700		
54:30	29-05	800		
55:45	28-00	900		
57:15	26-45	1000		
58:15	25-30	1100		
59:45	24-00	1200		
9-01-00	22-30	1300		
02-30	20-45	1400		
03-45	18-45	1500		
05-15	16-45	1600		
06-45	15-10	1700		
08-15	13-30	1800		
09-45	12-10	1900		
10-10	9-11-30	2000		
		2100		
		2200		
		2300		
		2400		

4482	207	2500	
1926	66	2600	
2556	135	2700	
	1926	2800	
	2061	2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

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

REMARKS:

No. *37* Lat. *26 91* Long. *001 12-1891.*
Sigsbee Machine. *1* Reel. *cray.*
 Turns *1996* Cor. + *116* Depth *2112 fms.*
 Shot or lead *60 lbs.*
 Bottom *gy oz.*
 Bottom temperature *34.8*
 No. of thermometer *69476* Cor. —
 Corrected temperature *34.8*
 Air *57* Surface *56* Drift —
 Trawl or dredge —

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
<i>11-32-35</i>	<i>20-45</i>	0		
<i>33-45</i>	<i>19-30</i>	100		
<i>34-45</i>	<i>18-30</i>	200		
<i>35-45</i>	<i>17-30</i>	300		
<i>36-45</i>	<i>16-30</i>	400		
<i>37-45</i>	<i>15-30</i>	500		
<i>38-50</i>	<i>14-30</i>	600		
<i>39-55</i>	<i>13-30</i>	700		
<i>41-00</i>	<i>12-30</i>	800		
<i>42-05</i>	<i>11-30</i>	900		
<i>43-15</i>	<i>10-30</i>	1000		
<i>44-30</i>	<i>9-30</i>	1100		
<i>45-35</i>	<i>8-30</i>	1200		
<i>46-50</i>	<i>7-30</i>	1300		
<i>48-00</i>	<i>6-30</i>	1400		
<i>49-20</i>	<i>5-0</i>	1500		
<i>50-40</i>	<i>03-30</i>	1600		
<i>52-00</i>	<i>1-02-00</i>	1700		
<i>53-20</i>	<i>12-00-30</i>	1800		
<i>54-40</i>	<i>59-00</i>	1900		
<i>56-00</i>	<i>11-57-30</i>	2000		
		2100		
		2200		
		2300		
		2400		

4482
1996
 2486

201
85
 116
1996
 2112

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

SERIAL TEMPERATURES.

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

REMARKS:

507 Lat: 2692 Long: 38 Sundry Date Oct 10/91
 Machine. Reel.

Turns 2185 Cor. + 148 Depth 2333 fms

Shot or lead 65 lbs

Bottom gy. Oz. 350

Bottom temperature

No. of thermometer 69476 Cor. -
 Corrected temperature 35

Air 55 Surface 55 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1-16-15	3-15-55	0		
17-20	13-15	100		
18-25	12-50	200		
19-30	11-45	300		
20-45	10-50	400		
21-50	10-0	500		
23-5	9-5	600		
24-20	8-0	700		
25-40	6-50	800		
26-55	5-30	900		
28-10	43-55	1000		
29-30	02-30	1100		
30-50	3-0-40	1200		
32-10	59-0	1300		
33-45	56-20	1400		
35-10	55-45	1500		
36-35	54-45	1600		
37-55	52-50	1700		
39-25	51-30	1800		
41-0	50-15	1900		
42-30	48-0	2000		
44-1	2-46-30	2100		
		2200		
		2300		
		2400		

4482	301	2500	
5085	57	2600	
<u>2297</u>	<u>144</u>	2700	
		2800	
4482	201	2900	
2185	53	3000	
<u>2297</u>	<u>148</u>	3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

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

REMARKS:

507.

Long:

No.

39 Survey.

Date

Oct 12 - 1891.

Sigsbee

Machine.

21

Reel.

Navy.

Turns

2182

Cor. +

148

Depth

2330 fms

Shot or lead

60 lbs.

Bottom

gy. G.

35°

Bottom temperature

No. of thermometer

69476

Cor. -

Corrected temperature

35°

Air

59

Surface

56

Drift -

Trawl or dredge -

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.	UP.	TURNS.
5.09.30	03.00	0
10.30	02.25	100
11.30	01.45	200
12.35	01.05	300
13.40	6.00.20	400
14.50	59.30	500
16.05	58.40	600
17.25	57.45	700
18.40	56.50	800
20.00	55.50	900
21.20	54.55	1000
22.40	53.50	1100
23.40	52.45	1200
25.30	51.45	1300
27.00	49.35	1400
28.25	48.40	1500
29.55	47.20	1600
31.25	46.00	1700
32.55	45.50	1800
34.25	44.40	1900
35.55	43.30	2000
37.20	42.20	2100
38.40	5.40.00	2200
		2300
		2400

21.41.2
27.8.2
230.0

20.0
5.3
148

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

down

6.08.00

6.27.00

up

6-31-00 7.00-00

HCO

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	58.1	69476	00.0	58.1 -
50	51.0	63919	00.0	51.0 -
100	47.0	69473	+0.2	47.2 -
200	43.1	69477	-0.1	43.0 -
300	42.0	51451	-0.3	41.7 -
400	40.1	61755	0.0	40.1 -
500	39.6	63903	-0.2	39.4 -
600	38.6	69485	+0.1	38.7 -
700	37.6	69480	+0.1	37.7 -
800	37.0	66665	0.0	37.0 -
900	37.0	69488	+0.1	37.1 -
1000	36.1	69476	0.0	36.1 -

REMARKS:

+ 69477 slipped 20 fms.
+ 69485 " 56 "

507.

Lat. 26 94. Long.

No. 40 Survey Date Oct. 12/9,

Sigsbee Machine. #1 Reel. Navy

Turns 2282 Cor. + 152 Depth 2434 fms.

Shot or lead 60 lbs.

Bottom brgy g.

Bottom temperature 35

No. of thermometer 69476 Cor. -

Corrected temperature 35

Air 58 Surface 59 Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

8-55-0	57-0	0		
57-0	58-10	100		
58-15	57-10	200		
59-30	56-10	300		
9-0-50	55-0	400		
02-0	53-50	500		
03-20	52-35	600		
04-40	51-30	700		
06-0	49-10	800		
07-20	48-25	900		
08-30	47-0	1000		
10-0	45-35	1100		
11-15	44-15	1200		
12-30	42-50	1300		
14-0	41-25	1400		
15-25	40-0	1500		
16-50	38-30	1600		
18-10	37-5	1700		
19-45	35-35	1800		
21-15	34-15	1900		
22-40	32-35	2000		
24-05	31-0	2100		
25-35	29-35	2200		
26-50	28-30	2300		
		2400		

4482	201	2500	
2282	49	2600	
<u>2200</u>	153	2700	
	3282	2800	
	<u>2434</u>	2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

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

REMARKS:

No.

41 Surrey

Date

2695 Long.

Oct. 12-91

Machine #1

Reel.

Turns 2278

Cor. +

152

Depth

2430 fms

Shot or lead

60 lbs.

Bottom

bn g

Bottom temperature

35.0

No. of thermometer

69476

Cor. -

Corrected temperature

35.0

Air

58

Surface

57

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

11-47-30	149.20	0		
48-30	48.40	100		
49-40	48.00	200		
51-0	47.10	300		
52-0	46.25	400		
53-30	45.25	500		
54-45	44.00	600		
56-0	43.30	700		
57-15	42.30	800		
58-25	41.30	900		
59-45	40.20	1000		
60-50	39.15	1100		
02.00	38.00	1200		
03.30	36.15	1300		
05.05	35.30	1400		
06.45	34.05	1500		
08.15	32.00	1600		
09.50	31.30	1700		
11.15	30.05	1800		
12.40	28.35	1900		
14.05	27.10	2000		
15.30	25.00	2100		
16.55	24.45	2200		
17.50	22.20.10	2300		
		2400		

Oct. 13 Am.

4482	2500
2278	2600
2204	2700
	2800
	2900
201	3000
49	3100
152	3200
2278	3300
2430	3400
	3500
	3600
	3700
	3800
	3900
	4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		4482	201	
50		2278	49	
100		2204	152	
200			2278	
300			2430	
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Lat. 2696 Long.

No. 42 Survey Date Oct 13. 1891

Sigsbee Machine. #1 Reel. Star

Turns 2390 Cor. + 157 Depth 2547 fms

Shot or lead 60 lb

Bottom gy s br oz

Bottom temperature 35.0

No. of thermometer 69476 Cor. -

Corrected temperature 35.0

Air 58 Surface 57 Drift

Trawl or dredge

SOUNDING WIRE.

DOWN. UP.

TURNS.

DREDGE ROPE.

DOWN. UP.

2. 42.30	48.10	0
44.40	47.35	100
46.05	47.00	200
47.45	46.10	300
49.00	45.20	400
50.15	44.30	500
51.25	43.35	600
52.40	42.35	700
54.00	41.35	800
55.15	40.30	900
56.30	39.35	1000
57.50	38.40	1100
59.05	37.15	1200
3. 00.15	36.05	1300
01.30	35.05	1400
02.40	33.50	1500
04.10	33.05	1600
05.25	31.30	1700
06.45	26.40	1800
08.05	25.20	1900
09.30	24.00	2000
11.00	22.45	2100
12.20	21.05	2200
13.50	19.30	2300
15.20	18.00	2400

4482
2390

2092

X 201
44

157

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

201
44

157.

SERIAL TEMPERATURES.

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

REMARKS:

St. 2697

Long

No. 43 Survey, Date Oct. 13-1891.

Sigsbee Machine. #1 Reel. Tary.

Turns 2419 Cor. + 157 Depth 2576 fms.

Shot or lead 60 lbs.

Bottom br. & gy. Oz.

Bottom temperature 35°

No. of thermometer 69476 Cor. -

Corrected temperature 35

Air 58 Surface 57 Drift -

Trawl or dredge -

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5:43-30	09-00	0		
45-00	08-00	100		
46-15	07-15	200		
47-30	06-30	300		
48-45	05-30	400		
50-00	04-30	500		
51-15	03-30	600		
52-45	02-30	700		
54-00	01-20	800		
55-30	7-00-00	900		
57-00	58-30	1000		
58-30	57-15	1100		
6-00-00	55-30	1200		
01-20	54-00	1300		
02-45	51-00	1400		
04-15	48-30	1500		
05-45	45-00	1600		
07-30	41-30	1700		
09-00	37-45	1800		
10-45	34-30	1900		
12-20	32-00	2000		
14-00	28-00	2100		
15-45	26-00	2200		
17-30	24-00	2300		
19-15	6-22-00	2400		

6-20-00	6-21-30	2500	4482	201
		2600	2419	44
		2700	2063	157
		2800		2419
		2900		2576
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

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

REMARKS:

Lat: 26 98 *Long:*
No. 44 *Turvey* *Date* Oct 13/91
Sigsbee *Machine.* 1 *Reel.* Vary
Turns 2409 *Cor. +* 157 *Depth* 2566 fms.
Shot or lead 60 lbs.
Bottom br. gy.
Bottom temperature 35°
No. of thermometer 69476 *Cor.* -
Corrected temperature 35°
Air 62 *Surface* 62 *Drift*
Trawl or dredge -

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8-55-15	10-0-25	0		
56-20	59-30	100		
57-20	58-30	200		
58-20	57-30	300		
59-30	56-30	400		
9-0-40	55-30	500		
01-45	54-25	600		
03-0	53-20	700		
04-0	52-05	800		
05-15	50-50	900		
06-25	49-30	1000		
07-35	48-10	1100		
08-45	46-50	1200		
10-10	45-25	1300		
11-15	43-55	1400		
12-25	41-30	1500		
13-40	41-0	1600		
15-0	39-30	1700		
16-15	37-50	1800		
17-45	35-10	1900		
19-5	34-15	2000		
20-30	32-25	2100		
21-55	30-45	2200		
23-25	29-15	2300		
24-50	9-27-15	2400		

	2500	4482	201
	2600	2409	94
	2700	2073	157
	2800	17	2409
	2900		2566
	3000		
	3100		
	3200		
	3300		
	3400		
	3500		
	3600		
	3700		
	3800		
	3900		
	4000		

SERIAL TEMPERATURES.

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

REMARKS:

Lat. 13

2699

Long.

No. 45 Survey Date Oct. 13/91

Machine. Sigsbee Reel. 4 any.

Turns 2417 Cor. + 157 Depth 2574 fms

Shot or lead 60 lbs.

Bottom br. oz.

Bottom temperature 34.9

No. of thermometer 69476 Cor. -

Corrected temperature 34.9.

Air 61 Surface 62 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11-16-45	38.20	0		
26-0	37.25	100		
29-30	36.35	200		
30-30	35.45	300		
31-30	34.00	400		
32-30	32.50	500		
33-20	32.00	600		
34-40	31.05	700		
35-45	30.00	800		
36-45	29.50	900		
38-0	27.40	1000		
39-05	26.30	1100		
40-20	25.20	1200		
41-30	24.45	1300		
42-40	20.45	1400		
43-50	17.40	1500		
45-0	16.00	1600		
46-15	14.30	1700		
47-30	12.50	1800		
48-45	10.55	1900		
50-0	09.50	2000		
53.15	08.15	2100		
56.45	06.05	2200		
57.55	04.05	2300		
58.40	12.02.00	2400		

	2500	4482	2011
	2600	2414	22
	2700	2865	157
	2800		
	2900		
	3000		
	3100		
	3200		
	3300		
	3400		
	3500		
	3600		
	3700		
	3800		
	3900		
	4000		

SERIAL TEMPERATURES.

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

REMARKS:

107.

Lat, 2700

Long:

No. 46 Survey

Date Oct 13/1891

Machine. Sigsbee

Reel. No. 1

Turns 2412 Cor. + 157 Depth 2569 fm

Shot or lead 60 lb

Bottom br. g.

Bottom temperature 34.9°

No. of thermometer 69476 Cor. -

Corrected temperature 34.9.

Air 62 Surface 62 Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

2:15-45	1820	0		
17.05	17.30	100		
18.30	16.40	200		
19.45	15.45	300		
21.00	14.50	400		
22.15	13.55	500		
23.20	13.00	600		
24.30	12.00	700		
25.45	11.00	800		
26.50	09.45	900		
28.05	08.40	1000		
29.10	07.30	1100		
30.15	06.05	1200		
31.30	04.35	1300		
32.55	03.10	1400		
34.10	01.30	1500		
35.20	3 00.05	1600		
36.30	58.45	1700		
37.50	57.30	1800		
39.10	56.15	1900		
40.20	54.50	2000		
41.45	53.30	2100		
43.05	52.10	2200		
44.25	50.35	2300		
45.50	2 47.50	2400		

4482
2412
2070

201
44
157

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

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		4482	201	
50		2412	44	
100		2070	157	
200			2412	
300			2569	
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Lat:

Long:

No. *47* Survey. Date *Oct: 13-1891*
Sigsbee Machine. *1 Reel. *Hand*
 Turns *2494* Cor. + *160* Depth *2654 fms.*
 Shot or lead *60 lbs.*
 Bottom *bn. gy.*
 Bottom temperature *35°*
 No. of thermometer *69476* Cor. *-*
 Corrected temperature *35°*
 Air *62* Surface *62* Drift *-*
 Trawl or dredge *-*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>5:03-30</i>	<i>02-30</i>	0		
<i>04-20</i>	<i>01-45</i>	100		
<i>05-15</i>	<i>6-01-00</i>	200		
<i>06-15</i>	<i>59-50</i>	300		
<i>07-15</i>	<i>58-45</i>	400		
<i>08-20</i>	<i>57-45</i>	500		
<i>09-30</i>	<i>56-45</i>	600		
<i>10-30</i>	<i>55-45</i>	700		
<i>11-45</i>	<i>55-00</i>	800		
<i>13-00</i>	<i>54-00</i>	900		
<i>14-15</i>	<i>53-00</i>	1000		
<i>15-30</i>	<i>52-15</i>	1100		
<i>16-45</i>	<i>51-15</i>	1200		
<i>18-00</i>	<i>50-15</i>	1300		
<i>19-15</i>	<i>49-00</i>	1400		
<i>20-30</i>	<i>48-00</i>	1500		
<i>21-45</i>	<i>47-00</i>	1600		
<i>23-15</i>	<i>46-00</i>	1700		
<i>24-30</i>	<i>45-00</i>	1800		
<i>25-45</i>	<i>43-40</i>	1900		
<i>27-00</i>	<i>42-20</i>	2000		
<i>28-30</i>	<i>41-00</i>	2100		
<i>30-00</i>	<i>39-45</i>	2200		
<i>31-15</i>	<i>38-30</i>	2300		
<i>32-45</i>	<i>5.37-00</i>	2400		

5-34-00	5-35-30	2500	4482	201
		2600	2494	41
		2700	1988	160
		2800		1988
		2900	2494	48
		3000	160	
		3100	2654	
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

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

REMARKS:

507.

No.

48 Surray

Date

Long:

Machine.

Reel.

Turns 2419

Cor. + 158

Depth 2577 fms

Shot or lead 60 lbs

Bottom

Bottom temperature

No. of thermometer

69476

Cor. -

Corrected temperature

Air

Surface

Drift -

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

7-57-0 59.00 0

58-0 58.10 100

59-0 57.15 200

8-0-0 56.15 300

01-0 55.20 400

02-0 54.10 500

03-0 53.15 600

04-0 52.10 700

05-10 51.00 800

06-20 49.45 900

07-30 48.40 1000

08-05 47.20 1100

09-15 46.15 1200

10-30 44.55 1300

11-40 43.30 1400

12-50 42.20 1500

14-05 41.00 1600

15-20 39.25 1700

17-35 38.00 1800

18-50 36.25 1900

20-10 34.45 2000

21-30 33.15 2100

22-50 31.45 2200

24-10 30.15 2300

25-25 28.27.15 2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		4482	201	
50		2919	43	
100		2063	158	
200			2919	
300			2577	
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Lat. 29.03 - Long:
 No. 49 Survey Date Oct. 13, 1891
 Sigbee Machine. #1 Reel. Navy
 Turns 2378 Cor. + 155 Depth 2533 fms.
 Shot or lead 60 lbs
 Bottom br. oz.
 Bottom temperature therm. can in foul.
 No. of thermometer 69476 Cor. —
 Corrected temperature —
 Air 61 Surface 62 Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.50.15	55.00	0		
57.25	53.45	100		
52.20	52.35	200		
53.20	51.25	300		
54.20	50.10	400		
55.20	48.50	500		
56.20	47.35	600		
57.20	46.05	700		
58.25	44.35	800		
59.30	43.10	900		
11.00.35	41.45	1000		
01.45	40.20	1100		
02.52	38.50	1200		
04.00	37.20	1300		
05.10	35.45	1400		
06.20	34.05	1500		
07.35	32.30	1600		
08.55	30.50	1700		
10.00	29.10	1800		
11.20	27.25	1900		
12.35	25.45	2000		
13.50	24.05	2100		
15.10	22.25	2200		
16.30	20.45	2300		
17.30	11.18.00	2378		
		2400		

4482
2378
2104

201
46
155
2378

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

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		4482	201	
50		2378	46	
100		2104	155	
200			2378	
300			2533	
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

12.58.30

12.59.30

1.00.40

02.55

04.50

05.05

06.15

07.20

08.35

09.45

11.05

12.30

14.05

15.20

16.50

18.15

19.50

21.10

22.40

24.05

25.30

26.50

28.30

30.05

31.35

2100

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

12.52.50

34.30

12.37.50

$$\begin{array}{r} 201 \\ 35 \\ \hline 166 \end{array}$$

$$\begin{array}{r} 4807 \\ 2627 \\ \hline 2180 \end{array} \quad \begin{array}{r} 2027 \\ 166 \\ \hline 2193 \end{array}$$