

Nydr 31825

3202

	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:

W.C. 3182 Hyd. 22.2

No. 536 Survey. Date Jan 14 1892

Sigsbee Machine. * Reel. 1000

Turns 2414 Cor. + 172 Depth 2586 fms.

Shot or lead 60 lbs.

Bottom gy. s. oz.

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 57 Surface 57 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5-03-00	5-59-45	0		
04-00	58-50	100		
05-00	58-10	200		
06-00	57-30	300		
06-55	56-40	400		
08-00	55-50	500		
09-05	55-00	600		
10-10	54-10	700		
11-10	53-15	800		
12-15	52-10	900		
13-20	51-00	1000		
14-30	50-00	1100		
15-40	48-55	1200		
16-50	47-50	1300		
18-05	46-45	1400		
19-20	45-30	1500		
20-40	44-15	1600		
22-00	42-30	1700		
23-30	41-15	1800		
24-50	40-05	1900		
26-15	39-00	2000		
27-45	37-50	2100		
29-20	36-40	2200		
30-55	35-30	2300		
32-30	34-30	2400		

Interval 12 knots.
 5.5
 17.5
 Log read 17.5
 Run 1 1/10 while reeling in.

Am.

5-32-50	5-34-20	2414	4782	228
		2500	2414	56
		2600		
		2700	2368	172
		2800		2414
		2900		2586
		3000		
		3100		
		3200		
		3300	4782	228
		3400	2414	56
		3500	2368	172
		3600		2414
		3700		2586
		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:

3183

No. 537 Survey. Date Jan'y 14th 1892.
 Sigsbee Machine. #1 Reel. Vary.
 Turns 2413 Cor. + 172 Depth 2585 fms.
 Shot or lead 60 lbs.
 Bottom Grs + gy Oz
 Bottom temperature 35.2
 No. of thermometer 62358 Cor. -0.1
 Corrected temperature 35.1
 Air 57 Surface 58 Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7-08-30	03-10	0		
09-20	02-15	100		
10-15	01-30	200		
11-00	8-00-40	300		
12-00	57-50	400		
13-00	57-00	500		
14-00	58-10	600		
15-00	57-15	700		
16-00	56-20	800		
17-05	55-20	900		
18-15	55-00	1000		
19-30	54-00	1100		
20-35	52-50	1200		
21-45	51-45	1300		
23-00	50-35	1400		
24-10	49-30	1500		
25-25	48-25	1600		
26-40	47-15	1700		
28-10	46-00	1800		
29-35	44-50	1900		
31-00	43-40	2000		
32-30	42-30	2100		
34-00	41-15	2200		
35-30	40-05	2300		
37-00	7-38-45	2400		

Interval 12 miles -
 Log Reel 29.5 -
 Row 1 1/2 knot while reeling in.

4.7.11

7-37-50	7-38-35	2413	4782	228
		2500	2413	56
		2600		
		2700	2369	172
		2800		2413
		2900		2585
		3000		
		3100		
		3200		
		3300	4782	228
		3400	2413	56
		3500	2369	172
		3600		2413
		3700		2585
		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:

3184

N. B. M.

No. 538 Survey Date January 14/92
Machine. 1 Reel. Star of

Turns 2400 Cor. + 172 Depth 2572

Shot or lead 60 lbs.

Bottom fr oz.

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 58 Surface 57 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9-11-45	04-40	0	Interval 12' Cat-dog read 4:15 Ch under 11:0 knots while reeling in	
12-30	03-50	100		
13-25	02-20	200		
14-25	01-40	300		
15-20	00-55	400		
16-25	10-00-00	500		
17-30	59-15	600		
18-30	58-25	700		
19-40	57-30	800		
20-55	56-35	900		
22-05	55-55	1000		
23-15	54-40	1100		
24-25	53-40	1200		
25-40	52-40	1300		
26-55	51-40	1400		
28-05	50-40	1500		
29-25	49-40	1600		
30-45	48-45	1700		
32-00	47-45	1800		
33-30	46-50	1900		
34-45	45-55	2000		
36-10	45-00	2100		
37-40	44-00	2200		
39-10	43-10	2300		
40-45	42-10	2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	4782
	3400	2400
	3500	2382
	3600	228
	3700	56
	3800	172
	3900	2400
	4000	2572

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		4782	228	
50		2400	56	
100		2382	172	
200			2400	
300			2572	
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 539 Survey Date January 14/92
 Sigbee Machine. Reel. Starry

Turns 2389 Cor. + 171 Depth 2560

Shot or lead 60 lbs.

Bottom br. + gy. oz.

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 59 Surface 57 Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

11-14-35	12-18-00	0
15-30	16-50	100
16-25	16-10	200
17-30	15-30	300
18-35	14-45	400
19-35	14-00	500
20-45	13-05	600
22-05	12-15	700
23-10	11-20	800
24-20	10-20	900
25-30	09-20	1000
26-55	08-20	1100
28-05	07-20	1200
29-25	06-15	1300
30-45	05-20	1400
32-05	04-25	1500
33-30	03-30	1600
34-50	02-35	1700
36-15	01-40	1800
37-45	12-00-42	1900
39-05	59-45	2000
40-50	38-50	2100
42-30	37-50	2200
44-10	36-45	2300
46-00	35-50	2400

12' - Interval
 53' 5" - Interval
 1.0 knots while reeling in.

	2500		
	2600		
	2700		
	2800		
	2900		
	3000		
	3100		
	3200		
	3300	4782	228
	3400	2389	57
	3500	2393	171
	3600		2389
	3700		2560
	3800		
	3900		
	4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		4782	228	
50		2389	57	
100		2393	171	
200			2389	
300			2560	
400				
500				
600				
700				
800				
900				
1000				

* REMARKS:
 Set watch ahead 8 min.

E.A.R. 2186

N.B.R.

No. 540 Tunny Date Jan. 14. 92
 Sigbee Machine. #1 Reel. *large*
 Turns 2359 Cor. + 170 Depth 2529 fms.
 Shot or lead 60 lbs
 Bottom gy. + yf. oz.
 Bottom temperature 35.1
 No. of thermometer 62358 Cor. -0.1
 Corrected temperature 35.0
 Air 62 Surface 58 Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1-31-45	2-29-05	0	Interval 12'.	Made .2 knots while reeling in.
32-30	28-30	100		
33-15	27-45	200		
34-05	26-55	300		
35-00	26-00	400		
35-55	25-10	500		
36-55	24-15	600		
37-52	23-25	700		
38-52	22-25	800		
39-55	21-25	900		
41-00	20-20	1000		
42-05	19-15	1100	Pat. log read. 655-	
43-10	18-15	1200		
44-15	17-10	1300		
45-30	15-40	1400		
46-40	13-30	1500		
47-55	11-30	1600		
49-10	09-35	1700		
50-30	08-05	1800		
51-50	06-35	1900		
53-05	05-05	2000		
54-30	03-40	2100		
55-55	02-15	2200		
57-20	01-10	2300		
58-20	2-00-58	2400		

4782	228	2500	4782	228
2359	58	2600	2359	58
2423	170	2700	2423	180
	2359	2800		2359
	2529	2900		2529
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

Towed surface net for ten minutes -

1 small fish -
few pelagic
fish eggs.

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Lowered Tanner net and towed it at a depth of 300 fms - Lower bag failed to close, and everything was from 300 fms to the surface -			
50				
100				
200				
300				
400	1 doz small fishes; numerous small Crustacea; 20 young (small) shrimp; numerous Pagitta; few small Medusae.			
500				
600				
700				
800				
900				
1000				

REMARKS:

1:38 Put over Tanner net.
2:03 " " Surface "
2:16 Landed " "
2:34 " Tanner "

No. 541 Survey. Date Jan'y 14th 1892.
 Sigsbee Machine. Reel. Tamy
 Turns 2328 Cor. + 168 Depth 2496

Shot or lead 60 lbs.

Bottom br. & gy. Sg.

Bottom temperature 35.0

No. of thermometer 62358 Cor. - 0.1

Corrected temperature 34.9

Air 60 Surface 57 Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4-47-00	43-00	0	Interval 12 miles - Log read 77.5 - Raw 13 1/10 knots while reeling in.	
47-45	42-00	100		
48-40	41-05	200		
49-30	40-15	300		
50-25	39-15	400		
51-25	38-20	500		
52-30	37-10	600		
53-30	36-00	700		
54-40	35-00	800		
55-50	33-45	900		
57-05	32-45	1000		
58-20	31-25	1100		
59-40	30-25	1200		
5-01-00	29-30	1300		
02-25	28-30	1400		
04-45	27-30	1500		
06-00	26-30	1600		
07-25	25-25	1700		
08-45	24-25	1800		
10-05	23-20	1900		
11-35	22-20	2000		
13-20	21-20	2100		
15-05	20-20	2200		
16-45	19-00	2300		
17-00	5-18-30	2400		

P.m.

4782	228	2500	4782	228
2328	60	2600	2328	60
2454	168	2700	2454	168
	2328	2800		2328
	2496	2900		2496
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

Towed Surface Net for 8 minutes
from 4:35 P.m.
1 doz. very large Medusae.
Numerous small Salpae.

Down

4:07 P.m.

SERIAL TEMPERATURES.

Up-

4:11 P.m.

%	DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
939	25	55.3	63913	-0.1	55.2
914	50	51.7	62358	-0.1	51.6
864	100	47.0	66663	-0.1	46.9
766	200	44.4	52732	-0.0	44.4
668	300	41.4	62364	-0.0	41.4
572	400	40.0	69480	+0.1	40.1
475	500	39.1	69478	-0.0	39.1
379	600	38.6	66665	-0.0	38.6
283	700	38.1	61758	-0.1	38.0
188	800	37.1	69485	+0.1	37.2
94	900	36.8	63903	-0.2	36.6
0	1000	36.2	62358	-0.1	36.1

REMARKS:

Lowered Tanner Net to 200 fms. and
towed it 12 minutes from 4:32 P.m.
Caught: Lower bag failed to close.
Caught between 200 fms. & surface:
Few small crustacea.

3188
 No. 542 Survey Date January 14/92
 Diggins Machine. #7 Reel. Harry
 Turns 2280 Cor. + 165 Depth 2445
 Shot or lead 60 lbs.
 Bottom gy s gy oz.
 Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 57 Surface 56 Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

6-52-40	43-20	0
53-25	42-30	100
54-25	41-50	200
55-15	41-25	300
56-10	40-15	400
57-10	39-25	500
58-10	38-30	600
59-10	37-35	700
7-00-15	36-40	800
01-20	35-45	900
02-30	34-50	1000
03-45	34-00	1100
04-50	33-00	1200
06-00	32-05	1300
07-05	31-05	1400
08-20	30-00	1500
09-35	29-05	1600
10-55	28-00	1700
12-30	27-00	1800
13-40	25-55	1900
15-00	24-45	2000
16-30	23-30	2100
18-05	22-15	2200
19-05	7-51-25	2285 2300
		2400

Pat. Log reads, 89.5
 Made 1 1/2 knots while reeling in, 12'

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4782

228

2280

63

2502

165

2280

2445

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50		4782	228	
100		2280	63	
200		2502	165	
300			2280	
400			2445	
500	Put Tow Net over side at 7-16 Pm. towed 9 minutes. small a great many Crustations few large medusa.			
600				
700				
800				
900				
1000				

REMARKS:

Many small medusa, two Sapphirina
few Sagitta, one young squid.

PAK. 3189 *W. H. H. H.*
 No. 548 Survey Date Jan 14. 92
 Sigbee Machine. 1 Reel. Navy

Turns 2200 Cor. + 163 Depth 2413

Shot or lead 60 lb

Bottom br + gy oz.

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 56

Surface 56

Drift

Trawl or dredge

PH SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

8. 57.45	9-49-00	0
59-00	48-15	100
9-00-00	47-30	200
01-00	46-55	300
02-00	46-15	400
03-00	45-30	500
04-05	44-40	600
05-20	43-55	700
06-30	43-05	800
07-40	42-20	900
08-50	41-22	1000
10-10	40-30	1100
11-30	39-45	1200
12-50	38-52	1300
14-20	38-00	1400
15-55	37-07	1500
17-30	36-14	1600
19-05	35-15	1700
20-42	34-15	1800
22-10	33-15	1900
23-40	32-18	2000
25-15	31-15	2100
26-55	30-05	2200
27-50	29-45	2300
		2400

Interval 12'

Pat. Log reel 1.5'

made 7 knots while reeling in

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

4782 228
2250 65
2532 163
2250
2413

4782 228
2250 65
2532 163
2250
2413

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300	Put tow net over side at 9.30 P.M. Towed 10 minutes.			
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Many small Crustacea, one
Pteropod shell, two young squid,
few sagitta, few large medusae,
two siphonaria.

No. 544 Survey Date Jan 14, 92
 Sigbee Machine. #1 Reel. Navy
 Turns 2153 Cor. + 159 Depth 2312
 Shot or lead 60 lbs
 Bottom br. & gy. oz.
 Bottom temperature 35.0
 No. of thermometer 6235-8 Cor. -0.1
 Corrected temperature 34.9
 Air 53 Surface 59 Drift
 Trawl or dredge

SOUNDING WIRE.			DREDGE ROPE.	
DOWN.	UP.	TURNS.	DOWN.	UP.
11-06-00	11-54-55	0		
07-10	53-14	100		
08-00	52-13	200		
09-05	51-12	300		
10-00	50-13	400		
11-00	49-15	500		
12-00	48-15	600		
13-00	47-15	700		
14-05	46-15	800		
15-15	45-15	900		
16-20	44-20	1000		
17-30	43-25	1100		
18-35	42-30	1200		
19-45	41-35	1300		
21-00	40-45	1400		
22-15	39-50	1500		
23-30	39-00	1600		
24-50	38-05	1700		
26-10	37-10	1800		
27-30	36-10	1900		
29-00	35-10	2000		
30-30	34-00	2100		
31-25	33-30	2200		
		2300		
		2400		

Antenna 12'
 Pat. log reel, 13.5-
 made 9 fowls while reeling in.

2500	4782	228
2600	2153	69
2700	2629	159
2800		2153
2900		2312
3000		
3100		
3200		
3300	4782	228
3400	2153	69
3500	2629	159
3600		2153
3700		2312
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

3191

11021

No. 545 Survey Date Jan'y 15th 18

Sigsbee Machine. #1 Reel. Tamp.

Turns 2070 Cor. + 153 Depth 2223

Shot or lead 60 lbs.

Bottom br. & gy. oz.

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 54 Surface 54 Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

1- 10- 00	. 01- 45	0
11- 00	01- 00	100
11- 45	2- 00- 10	200
12- 45	59- 15	300
13- 40	58- 10	400
14- 40	56- 00	500
15- 50	54- 30	600
17- 00	53- 50	700
18- 00	52- 00	800
19- 00	50- 15	900
20- 10	48- 30	1000
21- 30	47- 15	1100
22- 45	46- 00	1200
24- 00	45- 00	1300
25- 10	44- 00	1400
26- 25	43- 00	1500
27- 45	42- 00	1600
29- 15	41- 00	1700
30- 45	40- 00	1800
32- 15	39- 00	1900
33- 50	38- 00	2000
35- 00	1- 37- 00	2070

2000

2200

2300

2400

Interval 12 miles.
Log read: 25.5 -
Ran 19/10 knots while hauling in.

2500	4782	228
2600	2070	75
2700	2712	153
2800		2070
2900		2223
3000		
3100		
3200		
3300	4782	228
3400	2070	75
3500	2712	153
3600		2070
3700		2223
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:

Ahead on course
 N. E. 3/8 E. (p.c.) —

No. 546 Sundry. Date Jan'y 15th 1892.
 Sigsbee Machine. 21 Reel. Navy.
 Turns 2000 Cor. + 149 Depth 2149 fms.
 Shot or lead 60 lbs.
 Bottom br. & gy. oz.
 Bottom temperature _____
 No. of thermometer _____ Cor. _____
 Corrected temperature _____
 Air 54 Surface 54 Drift _____
 Trawl or dredge _____

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

3-06-30

50-30

0

07-15

49-45

100

08-00

49-00

200

09-00

48-15

300

09-50

47-20

400

10-50

46-20

500

11-50

45-20

600

12-45

44-20

700

13-45

43-25

800

14-45

42-25

900

15-50

41-25

1000

17-00

40-20

1100

18-10

39-10

1200

19-20

38-00

1300

20-30

36-50

1400

21-45

35-40

1500

23-05

34-30

1600

24-25

33-30

1700

25-45

32-20

1800

27-05

31-15

1900

28-30

3-30-15

2000

2100

2200

2300

2400

Interval 12 miles.
 Log read 37.5.
 Ran 1 1/10 knots while pulling in.

4782	228	2500	4782	228
27	2	2600	2000	79
4755	226	2700	2782	149
		2800		2000
		2900		2149
		3000		
		3100		
		3200		
4782	228	3300	4782	228
2000	79	3400	27	2
2782	149	3500	4755	226
	2000	3600		
	2149	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:
 Took off 27 turns from #1 Reel
 on account of wire being lumpy.
 Rove off new stray line also!

W.B. 2

Handwritten initials and scribbles

3193

No. 547 Sundry Date Jan'y 15 / 92

Machine. Reel.

Turns 2019 Cor. + 150 Depth 2169

Shot or lead 60 lbs

Bottom gy. oz.

Bottom temperature 35.0

No. of thermometer 62358 Cor. -0.1

Corrected temperature 34.9

Air 54 Surface 54 Drift

Trawl or dredge

21.20

SOUNDING WIRE.

DREDGE ROPE.

DOWN. UP. TURNS. DOWN. UP.

5-02-30	48-45	0
03-15	47-40	100
04-10	46-55	200
05-55	46-00	300
06-10	45-18	400
07-05	44-16	500
08-15	43-10	600
09-10	42-00	700
10-15	41-00	800
11-25	39-45	900
12-30	38-30	1000
13-40	37-20	1100
14-50	36-30	1200
17-00	35-5	1300
17-10	34-00	1400
18-20	33-10	1500
19-30	32-15	1600
20-55	31-15	1700
22-25	30-50	1800
24-00	29-50	1900
25-10	28-40	2000
25-20	5-27-25	2100

Pat. Log read, 49.5 fathoms 12' 1/2
 all added 1 1/2 fms while reeling in

	2500	4755	226
	2600	2019	76
	2700	2736	150
	2800		2019
	2900		2169
	3000		
	3100		
	3200		
	3300		
	3400		
	3500	4755	226
	3600	2019	76
	3700	2736	150
	3800		2019
	3900		2169
	4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		* 4782		
50		<u>12</u>		
100		4770	227	
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *548* *Surrey* Date *Jan'y 15/92*
Sigsbee Machine. # *1* Reel. *Navy*
 Turns *1961* Cor. + *146* Depth *2107*
 Shot or lead *60 lbs.*
 Bottom *gy. oz.*
 Bottom temperature _____
 No. of thermometer _____ Cor. _____
 Corrected temperature _____
 Air *54* Surface *55* Drift _____
 Trawl or dredge _____

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>6-57-55</i>	<i>44-35</i>	0	<i>Lat- Day read. 61:5 Under way 121</i> <i>Altered 1 1/10 knots while reeling in</i>	
<i>59-15</i>	<i>43-45</i>	100		
<i>7-00-50</i>	<i>43-00</i>	200		
<i>01-05</i>	<i>42-15</i>	300		
<i>02-05</i>	<i>41-25</i>	400		
<i>03-10</i>	<i>40-30</i>	500		
<i>04-15</i>	<i>39-35</i>	600		
<i>05-25</i>	<i>38-30</i>	700		
<i>06-30</i>	<i>37-30</i>	800		
<i>07-45</i>	<i>36-30</i>	900		
<i>09-00</i>	<i>35-30</i>	1000		
<i>10-15</i>	<i>34-30</i>	1100		
<i>11-35</i>	<i>33-35</i>	1200		
<i>13-00</i>	<i>32-35</i>	1300		
<i>14-25</i>	<i>31-35</i>	1400		
<i>15-55</i>	<i>30-40</i>	1500		
<i>17-20</i>	<i>29-45</i>	1600		
<i>18-50</i>	<i>28-40</i>	1700		
<i>20-25</i>	<i>27-40</i>	1800		
<i>22-00</i>	<i>26-30</i>	1900		
<i>23-15</i>	<i>7-26-00</i>	<i>1961</i> 2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	4755 226
	3400	1961 80
	3500	2794 146
	3600	1961
	3700	2107
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50		4755	226	
100		1961	80	
200		2794	146	
300			1961	
400			2107	
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *549* Survey Date *Jan 10 1892*
Agassiz Machine. Reel. *Navy*

Turns *1835* Cor. + *139* Depth *1974*

Shot or lead *60 lbs.*

Bottom *gy. oz.*

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air *54* Surface *54* Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>8-56-25</i>	<i>9-36-15</i>	0
<i>57-15</i>	<i>35-35</i>	100
<i>58-10</i>	<i>35-00</i>	200
<i>59-10</i>	<i>34-15</i>	300
<i>9-00-10</i>	<i>33-30</i>	400
<i>01-10</i>	<i>32-40</i>	500
<i>02-10</i>	<i>31-45</i>	600
<i>03-15</i>	<i>30-45</i>	700
<i>04-20</i>	<i>29-40</i>	800
<i>05-30</i>	<i>28-40</i>	900
<i>06-35</i>	<i>27-40</i>	1000
<i>08-00</i>	<i>26-45</i>	1100
<i>09-10</i>	<i>25-55</i>	1200
<i>10-30</i>	<i>25-00</i>	1300
<i>11-45</i>	<i>24-00</i>	1400
<i>13-05</i>	<i>23-00</i>	1500
<i>14-40</i>	<i>22-00</i>	1600
<i>16-00</i>	<i>21-00</i>	1700
<i>17-25</i>	<i>20-00</i>	1800
<i>18-00</i>	<i>19-30</i>	1900

2000

2100

2200

2300

2400

Interval 12'

Pat. log read 73.5'

made 1.0 knots while reeling in.

2500	4755	226
2600	1835	87
2700	2920	139
2800	.	1835
2900		1974
3000		
3100		
3200		
3300	4755	226
3400	1835	87
3500	2920	139
3600		1835
3700		1974
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. 550 Survey Date Jan. 15. 92
 Sigbee Machine. 1 Reel. Tavy.
 Turns 1760 Cor. + 135 Depth 1895 fms.
 Shot or lead 60 lbs.
 Bottom gy. oz.
 Bottom temperature 35.1°
 No. of thermometer 62358 Cor. -0.1
 Corrected temperature 35.0
 Air 54 Surface 52 Drift —
 Trawl or dredge —

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.	UP.	TURNS.
10-46-00	11-25-30	0
47-00	24-35	100
47-50	23-55	200
48-50	23-00	300
49-45	22-12	400
50-45	21-20	500
51-50	20-20	600
52-55	19-15	700
54-00	18-05	800
55-00	17-00	900
56-10	15-50	1000
57-20	14-42	1100
58-30	13-40	1200
59-45	12-40	1300
11-01-00	11-40	1400
02-25	10-40	1500
03-50	09-40	1600
05-20	08-35	1700
06-30	11-08-00	1800
		1900
		2000
		2100
		2200
		2300
		2400

Interval 12'

Pat. log reel: 80.5'

Made 7 knots while reeling in

	2500	475.5	226
	2600	1760	91
	2700	2995	135
	2800		1760
	2900		1895
	3000		
	3100		
	3200		
	3300	475.5	226
	3400	1760	91
	3500	2995	135
	3600		1760
	3700		1895
	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. 551 Survey Date Jan'y 15th 1892-
 Sigsbee Machine. #1 Reel. Navy-
 Turns 1668 Cor. + 129 Depth 1797 fms-
 Shot or lead 60 lbs-
 Bottom gy. Oz.
 Bottom temperature _____
 No. of thermometer _____ Cor. _____
 Corrected temperature _____
 Air 59 Surface 52 Drift _____
 Trawl or dredge _____

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
12-45-45	1-25-00	0		
46-35	23-45	100		
47-40	23-50	200		
48-50	22-15	300		
50-00	21-30	400		
51-30	20-40	500		
52-45	19-50	600		
54-00	19-00	700		
55-25	18-05	800		
56-50	17-15	900		
58-20	16-25	1000		
1-00-00	15-35	1100		
01-30	14-45	1200		
03-10	13-50	1300		
04-45	13-00	1400		
06-30	12-05	1500		
08-10	11-15	1600		
09-25	1-10-45	1668 1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Interval 12 knots.
 Log read 97.5-
 Row 1 knot while pulling in-

2500

4755

226

2600

1668

97

2700

3087

+ 129

2800

1668

2900

1797

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:

Changed course to
N. E. $\frac{1}{2}$ E. (p.e.) -

607

3198

W. G. M.

No. 552 Survey Date Jan'y 15th 1892.
 Sigbee Machine. #1 Reel. Navy.
 Turns 1600 Cor. + 125 Depth 1725 fms.
 Shot or lead 60 lbs.
 Bottom gy. sz.
 Bottom temperature _____
 No. of thermometer _____ Cor. _____
 Corrected temperature _____
 Air 59 Surface 52 Drift _____
 Trawl or dredge _____

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2-21-00	54-30	0		
21-50	53-40	100		
22-45	53-05	200		
23-45	52-30	300		
24-45	51-45	400		
25-50	51-00	500		
26-55	50-00	600		
28-00	48-50	700		
29-05	48-00	800		
30-15	47-10	900		
31-20	46-20	1000		
32-35	45-30	1100		
33-50	44-40	1200		
35-00	43-50	1300		
36-20	43-00	1400		
37-45	42-00	1500		
39-15	2-41-00	1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Interval 10 knots.
 Log read: 7.5 -
 Row 8/10 knot while reeling in.

	2500	4782	—
	2600	4755	226
	2700	1600	101
	2800	3155	125
	2900		1600
	3000		1725
	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.

553 Survey Date

Sigsbee

Machine.

Reel.

Turns 1545 Cor. + 121

Depth 1666

Shot or lead

60 lbs.

Bottom

gy oz.

Bottom temperature

35.1

No. of thermometer

62358

Cor. -0.1

Corrected temperature

35.0

Air

53

Surface

52

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

3-53-00	24-30	0
54-20	28-30	100
55-35	37-30	200
56-40	26-30	300
57-40	25-30	400
58-40	24-30	500
59-45	23-30	600
4-00-50	22-35	700
02-00	21-40	800
03-55	20-45	900
04-45	19-50	1000
06-05	19-00	1100
07-30	18-05	1200
08-45	17-10	1300
10-05	16-15	1400
11-30	15-10	1500
12-20	4-14-45	1545
		1600
		1700
		1800
		1900
		2000
		2100
		2200
		2300
		2400

Pat. Log read, 17:5

Interval, 10' knots while reeling in

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		47.55	526	
100		1545	105	
200		<u>3210</u>	121	
300			1545	
400			<u>1666</u>	
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *554* Survey Date *January 15/92*
Sigsbee Machine. Reel. *Navy*
 Turns *1400* Cor. + *113* Depth *1513*
 Shot or lead *60 lbs.*
 Bottom *dr. gn. m.*
 Bottom temperature _____
 No. of thermometer _____ Cor. _____
 Corrected temperature _____
 Air *53* Surface *52* Drift _____
 Trawl or dredge _____

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

5-27-40	58-45	0
28-30	57-45	100
29-30	57-00	200
30-25	56-15	300
31-20	55-15	400
32-15	54-10	500
33-20	53-10	600
34-30	52-10	700
35-35	51-15	800
36-40	50-25	900
37-45	49-25	1000
39-20	48-30	1100
40-20	47-30	1200
41-35	46-35	1300
42-50	45-30	1400
		1500
		1600
		1700
		1800
		1900
		2000
		2100
		2200
		2300
		2400

Pat. Log read 27 1/5
Swivels
Knobs - white reelings
blades

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		4755	226	
400		1400	113	
500		3355	113	
600			1400	
700			1513	
800				
900				
1000				

REMARKS:

607. *607* *3201*

No. *535* Survey Date *Jan. 15. 92*
Sigsbee Machine. * *1* Reel. *Navy*

Turns *1309* Cor. + *10.8* Depth *1417*

Shot or lead *60 lbs.*

Bottom *dk. gn. M.*

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *52* Surface *52* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>6-59-20</i>	<i>7-28-15</i>	0	<i>Interval 10'</i>	
<i>7-00-15</i>	<i>27-15</i>	100		
<i>01-25</i>	<i>26-35</i>	200		
<i>02-30</i>	<i>25-45</i>	300		
<i>03-35</i>	<i>25-00</i>	400		
<i>04-45</i>	<i>24-15</i>	500		
<i>05-50</i>	<i>23-30</i>	600		
<i>07-00</i>	<i>22-45</i>	700		
<i>08-15</i>	<i>22-00</i>	800		
<i>09-45</i>	<i>21-10</i>	900		
<i>11-10</i>	<i>20-20</i>	1000		
<i>12-40</i>	<i>19-30</i>	1100		
<i>14-00</i>	<i>18-35</i>	1200		
<i>15-30</i>	<i>17-35</i>	1300		
<i>15-40</i>	<i>17.30</i>	<i>09</i> 1400	<i>Made 10 fathoms - whole reel in.</i>	
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200	<i>Pat. log reach. 37.5-</i>	
		2300		
		2400		

	2500	4705	226
	2600	4309	118
	2700	3446	108
	2800		1309
	2900		1417
	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. 556 Survey Date Jan'y 15th 1892
 Sigbee Machine. 4 Reel. May-
 Turns 971 Cor. + 82 Depth 1053 fms.
 Shot or lead 60 lbs.
 Bottom gn. M. fm. S.
 Bottom temperature 36.2 -
 No. of thermometer 62358 Cor. -0.1
 Corrected temperature 36.1 -
 Air 52 Surface 52 Drift
 Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

8-02-45	8-26-00	0
04-00	25-00	100
05-20	24-15	200
06-20	23-35	300
07-20	22-45	400
08-30	22-00	500
09-30	21-10	600
10-40	20-20	700
12-00	19-20	800
13-25	18-25	900
14-20	8-17-30	971
		1000
		1100
		1200
		1300
		1400
		1500
		1600
		1700
		1800
		1900
		2000
		2100
		2200
		2300
		2400

Interval 5 knots -
 Log read 42.5 -
 Paw 1/10 knots while reeling in.

	2500	4755	226
	2600	971	144
	2700	3784	82
	2800		971
	2900		1053
	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:

Head on course N. N. W. (p.s.)

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

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

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

REMARKS:

No. *Date*
Machine. *Reel.*
Turns *Cor. +* *Depth*
Shot or lead
Bottom
Bottom temperature
No. of thermometer *Cor.*
Corrected temperature
Air *Surface* *Drift*
Trawl or dredge

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

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

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

REMARKS:

*No.**Date**Machine.**Reel.**Turns**Cor. +**Depth**Shot or lead**Bottom**Bottom temperature**No. of thermometer**Cor.**Corrected temperature**Air**Surface**Drift**Trawl or dredge*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
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SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
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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.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
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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.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
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*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.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
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*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.		TURNS.	DREDGE ROPE.	
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*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.		TURNS.	DREDGE ROPE.	
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*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.		TURNS.	DREDGE ROPE.	
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*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.		TURNS.	DREDGE ROPE.	
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*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.		TURNS.	DREDGE ROPE.	
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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.		TURNS.	DREDGE ROPE.	
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*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.		TURNS.	DREDGE ROPE.	
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SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
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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.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
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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.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
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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.		TURNS.	DREDGE ROPE.	
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*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.		TURNS.	DREDGE ROPE.	
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*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.		TURNS.	DREDGE ROPE.	
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SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
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SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
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SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
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3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

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

REMARKS:

No. *Date*
Machine. *Reel.*
Turns *Cor. +* *Depth*
Shot or lead
Bottom
Bottom temperature
No. of thermometer *Cor.*
Corrected temperature
Air *Surface* *Drift*
Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
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		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
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		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
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		800		
		900		
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		1900		
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	2500	
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	2800	
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		100		
		200		
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		400		
		500		
		600		
		700		
		800		
		900		
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300				
400				
500				
600				
700				
800				
900				
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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.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

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		2400		

Edward Augustus Killo-

Vallejo, Calif.

THE Hodo

4 Aminefera.

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