

Dr 3303 - 3.122

Hyd - 2440 - 2520

Sigsbee

4440 Turns on Reel

Correction Table No 2 Reel 220 Correction

lev	Turns	lev	Turns	lev.	Turns
0	50	37	1900	141	35.50
0	100	39	1850	145	36.00
0	150	41	1900	150	36.50
1	200	43	1950	154	37.00
1	250	45	2000	158	37.50
1	300	47	2050	162	38.00
2	350	50	2100	167	38.50
2	400	53	2150	171	39.00
3	450	55	2200	175	39.50
3	500	57	2250	179	40.00
4	550	60	2300	184	40.50
5	600	63	2350	188	41.00
5	650	66	2400	193	41.50
6	700	68	2450	197	42.00
7	750	71	2500	202	42.50
8	800	74	2550	206	43.00
9	850	77	2600	211	43.50
10	900	80	2650	216	44.00
11	950	83	2700	220	44.50
12	1000	86	2750		
13	1050	89	2800		
14	1100	92	2850		
15	1150	95	2900		
16	1200	99	2950		
18	1250	102	3000		
19	1300	106	3050		
21	1350	109	3100		
22	1400	113	3150		
24	1450	116	3200		
25	1500	120	3250		
27	1550	123	3300		
29	1600	127	3350		
31	1650	131	3400		
33	1700	135	3450		
35	1750	138	3500		

- 2000 - 2001 - 2002

2000  
2001  
2002

2000  
2001  
2002

2024-2025

No. 2446 Key<sup>d</sup> Date July 21<sup>st</sup> 1890.  
 Tanner Machine. Reel.

Turns 29 Cor. + - Depth 29 fms

Shot or lead 28 lbs.

Bottom fine gy. s.

Bottom temperature 41°

No. of Thermometer 63902 Cor. -

Corrected temperature 41°

Air 42° Surface 42° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10 36 30	37. 30	0		
36 45	10. 36 50	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

10 Cast time 10. 36 50  
 dr 10. 55 -  
 19 Cast time.

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

Cod SERIAL TEMPERATURE Measurements

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	8 100° Wain		26	00
50	16 105° Thap in		32	00
100	11 110° Average.		30	00
200				
300	9 70° Males.		10	70° Males.
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 3303 <sup>5</sup>/<sub>7</sub> Date July 21 1890

Machine. Reel.

Turns 33 Cor. + 0 Depth 33 fms

Shot or lead 35 lbs

Bottom gy S

Bottom temperature 39.5

No. of Thermometer 63902 Cor. -

Corrected temperature 39.5

Air 48° Surface 50° Drift. 1.5 N 1/2 W

Trawl or dredge or tangles Large Net

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1 02 15	02 05	0	1 45 45	2 35 25
02 35	1 02 20	100	32 00	1 35 10
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Put over to haul down outside at 10  
Swat 11  
Swat 3 codfish

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

Red

SERIAL TEMPERATURE, *M. ...*

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Mass	2 1/2 #16	18	m
50	Mal	16	33	
100	Por	4	26 1/2	
200				
300				
400	1 Mal	2 Females		
500				
600				
700				
800				
900				
1000				

REMARKS.

Keen + Brals shells  
 Brals, delicious,  
 Flounder, shrimp & haddock  
 Star fish, etc.  
 No fish 2115  
 Contains, under 100 yds. fish



No. *2477* Date *July 21. 1890*

*Tanner* Machine. Reel. *-*

Turns *31* Cor. + *0* Depth *31 fms*

Shot or lead *28 lbs*

Bottom *fine gy. s.*

Bottom temperature *39.5*

No. of Thermometer *53902* Cor. *-*

Corrected temperature *39.5*

Air *57* Surface *52* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>0.33 00</i>	<i>30.00</i>	0		
<i>0.33 25</i>	<i>29.25</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		

*Handwritten notes on the left margin, including '33' and other illegible text.*

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE,

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

REMARKS.

NO. 1  
1897.

No. 2448 No. 1 Date July 21<sup>st</sup> 1892

Tanner Machine. - Reel.

Turns 27 Cor. + - Depth 27 fms.

Shot or lead 28 lbs.

Bottom fine gy. s.

Bottom temperature 39.5°

No. of Thermometer 63902 Cor. -

Corrected temperature 39.5°

Air 50° Surface 52° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
51.51.28	57.30	0		
51.43	57.50	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

10 fms. line over foot edge of wire.  
 by at 5.05 -  
 Catch: - 5 Cod fish.

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

Serial TEMPERATURE, *Thermometer*

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	6 lbs	Thermometer	26	26
50	15 lbs	Thermometer	33	33
100	10 lbs	Thermometer	29	29
200				
300	2	Water	3	3
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

507  
 10/10

No. 3304 <sup>1/2</sup> Date July 21<sup>st</sup> 1880  
 Tanner Machine. - Reel.

Turns 28 Cor. + Depth 25 fms.

Shot or lead 28 lbs.

Bottom fw. gy. s.

Bottom temperature did not capsize.

No. of Thermometer 63902 Cor. 1/2

Corrected temperature -

Air 47° Surface 49° Drift. 1/2 N 1/2 W

Trawl or dredge or tangles Webster Rake

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8.04.40	06.00	0	8.31.30	12.30
05.10	8.06.10	100	2.5.20	8.14.40
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Put new 10 fathoms line on side to 800  
 down 7.20  
 which is correct

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	30.2	8	27/2	
50	29.4	13	30	
100	28.7	9 1/2	28 1/2	
200				
300				
400	6	2	Males	
500				
600				
700				
800				
900				
1000				

## REMARKS.

Star fish  
 Water Star  
 Hermit Crab  
 Crabs  
 Ecoloch

No. 2449 Key Date July 21<sup>st</sup>

Tanner Machine. Reel.

Turns 23 Cor. + 0 Depth 23 fms

Shot or lead 25 lbs

Bottom fine bk s

Bottom temperature 40.6

No. of Thermometer 63902 Cor. -

Corrected temperature 40.6

Air 47 Surface 49 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10-00 00	01-00	0		
00 30	10 00 35	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. 2450 Key Date July 21 1891  
 Tanner Machine. Reel.

Turns 26 Cor. + 0 Depth 22 fms.

Shot or lead 28 lbs

Bottom fine gy s s

Bottom temperature 40.2

No. of Thermometer 63902 Cor. -

Corrected temperature 40.2

Air 47 Surface 49 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10 45.00	11 47.00	0		
46.30	46.31	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

7 fms  
 17 fms  
 22 fms

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

608 SERIAL TEMPERATURE *Mean*

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	10 lbs	<i>Resin</i> <sup>10</sup>	28	<i>10</i>
50	12 1/2 lbs	<i>Marin</i> <sup>12</sup>	36	<i>100</i>
100	13 1/4 lbs	<i>Average</i>	3 1/2	<i>100</i>
200				
300	7	<i>Males</i>	10	<i>Sampled</i>
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

607

No. 2451 Key<sup>d</sup> - Date July 22<sup>d</sup> 1903

Tanner Machine. Reel.

Turns 31 Cor. + Depth 31 fms.

Shot or lead 28 lbs.

Bottom fine gy. s.

Bottom temperature 41°

No. of Thermometer 63902 Cor. -

Corrected temperature 41°

Air 46° Surface 49° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
29.00	30.00	0		
29.10	29.55	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

8 fms. haul over starboard side at 6.30  
 In at 6.45  
 Catch - 4 Cod fish

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

*Cod* SERIAL TEMPERATURE *Measurements*

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	9	425 Mena <sup>20</sup>	28	<i>in</i>
50	16	425 Mena <sup>20</sup>	32	<i>in</i>
100	12	1054 average	30 1/2	<i>in</i>
200				
300	1	Male	3	Female
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 3505<sup>1/2</sup> Date July 22, 1880  
 Tanner Machine. Reel.

Turns 23 Cor. + 0 Depth 23 fms

Shot or lead 25 lb

Bottom fine g. s. d.

Bottom temperature 41.5°

No. of Thermometer 63702 Cor. -

Corrected temperature 41.5

Air 70° Surface 50" Drift 15 SE

Trawl or dredge or tangles *Obolus Rake*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7 45 10	7 46 20	0	9 03 30	19 30
7 50 50	7 45 50	100	06 50	19 15
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Part crew of haulabain -  
 He at 0 00  
 Hatched 7 feet from

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE

*Mission*

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	71.0	10	26	air
50	70.2	15	22	.
100	69.5	18	29	.
200				
300				
400				
500				
600				
700				
800				
900				
1000				

## REMARKS.

*Still in the air**Under the water**Under the water**Under the water*

No. 3452 Date July 23 1891

Machine. Reel.

Turns 30 Cor. + 0 Depth 30 fms

Shot or lead 28 lbs

Bottom fine gy. S

Bottom temperature 12

No. of Thermometer 6290 Cor. -

Corrected temperature 41.2

Air 47° Surface 00° Drift.

Trawl or dredge or tangles

1000 fms haulings over station 11.03  
 at 11.19  
 Ch. 1.4 end

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11 03.30	04.2	0		
03 45	15.08 46	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	50.0	1	2.8	47.2
50	30.0	1	1.5	28.5
100	22.0	4	2.15	19.85
200				
300		1		
400		1		
500				
600				
700				
800				
900				
1000				

REMARKS.



367

No. 1453 <sup>1202</sup> Date July 22<sup>nd</sup> 1890

Tanner Machine. - Reel.

Turns 32 Cor. - Depth 32 fms.

Shot or lead 28 lbs. Braunt sounder.

Bottom gy. s.

Bottom temperature none taken.

No. of Thermometer - Cor. -

Corrected temperature -

Air 47° Surface 51° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
12.20.00	13.21.00	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. 3306 Dr. Date July 22<sup>nd</sup> 1890  
 Sigsbee Machine. - Reel.

Turns 33 Cor. + - Depth 33 fms

Shot or lead 21 lbs.

Bottom fm. gg. s.

Bottom temperature 38.9

No. of Thermometer 63902 Cor. -

Corrected temperature 38.9

Air 46° Surface 52° Drift. 1-6 E

Trawl or dredge or tangles Chester Rake

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
1 16.15	17.35	0	1. 39.45	04.00
16.40	1. 15.50	100	43.15	3-00 15
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Label line over side of 1.20.  
 An at 1.38  
 Catch: 5 Red fish.

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

112 SERIAL TEMPERATURE Measurements

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	7 1/2 lbs	Thermometer	27	=
50	13 1/2 lbs	Thermometer	31	=
100	8 1/4 lbs	Thermometer	29	=
200				
300	3	Thermometer	2	2 anomalies
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

25-100 fms. Blue brack. silt/clay  
 100-150 fms. Blue brack. silt/clay  
 150-200 fms. 1 ft. shells. Blue  
 200-300 fms. small shells - 1 ft. shells  
 300-400 fms. Bryozoa

NO. 307  
5813

No. 2454 Hyd. Date July 22<sup>d</sup> 1890.

Tanner Machine. - Reel.

Turns 29 Cor. + - Depth 29 fms.

Shot or lead 28 lbs.

Bottom dk. S.

Bottom temperature 41.5

No. of Thermometer 63902 Cor. -

Corrected temperature 41.5

Air 45 Surface 50° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3.47.15	48.20	0		
47.30	3.47.40	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

10 fms hauls over at 10 sides at 3.50.  
In at 4:00  
Catch: - 5 headfish

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	71.0	10 11	-.2	70.8
50	70.5	10 11	-.2	70.3
100	70.0	10 11	-.2	69.8
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 2455 *Hy* Date July 22<sup>nd</sup> 1890  
 Farmer Machine. Reel.

Turns 38 Cor. + 0 Depth 38 fms

Shot or lead 28 lb

Bottom fine gy. s.

Bottom temperature 41

No. of Thermometer 65902 Cor. -

Corrected temperature 41

Air 45<sup>o</sup> Surface 48<sup>o</sup> Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5 52-00	57-00	0		
20	52-27	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Put new 10 fms leadline over old  
 and 60 fms leadline  
 at 10 fms depth

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

SERIAL-TEMPERATURE, *Microthermometer*

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	<i>21.0</i>	<i>10</i>	<i>0</i>	<i>20</i>
30	<i>19.5</i>	<i>11</i>	<i>0</i>	<i>30</i>
100	<i>18.0</i>	<i>102</i>	<i>0.6</i>	<i>28.4</i>
200				
300	<i>2</i>	<i>Female</i>		
400				
500				
600				
700				
800				
900				
1000				

REMARKS



100?  
567

No. 2456 Hyd Date July 22<sup>nd</sup> 1890  
Tanner Machine. Reel.

Turns 32 Cor. + - Depth 32 fms

Shot or lead 28 lbs. Barnett double

Bottom gy S. G.

Bottom temperature none taken

No. of Thermometer - Cor. -

Corrected temperature -

Air 45° Surface 49° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9.46.00	9.52.00	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.

*1702*  
647

No. 2457 Hyd. Date July 22<sup>d</sup> 1890.  
Tanner Machine. Reel.

Turns 30 Cor. + - Depth 30 fms

Shot or lead 25 lbs. Bascett Sounder

Bottom fine gy. S.

Bottom temperature none taken

No. of Thermometer - Cor. -

Corrected temperature -

Air 46° Surface 49° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10:15:00	10:16:00	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.	TIME	WIND TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS

567.  
1107.

No. 2458 Hyd Date July 22<sup>d</sup> 1890.  
Tanner Machine. Reel.

Turns 22 Cor. + - Depth 22 fms

Shot or lead 28 lbs. Bennett's brand

Bottom G.

Bottom temperature none taken

No. of Thermometer - Cor. -

Corrected temperature -

Air 46 Surface 50 Drift.

Trawl or dredge or tangles

PH

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.43.00	10.45.00	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.	NOS. OF THER.	DIR.	WIND TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

667.

No. 2459 Hyd. Date July 22<sup>d</sup> 1890.  
 Hand Lead Machine. Reel

Turns 20 Cor. - Depth 20 fms

Shot or lead 12 lbs.

Bottom fine gy S

Bottom temperature none taken

No. of Thermometer - Cor. -

Corrected temperature -

Air 46° Surface 50° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11.05.00	11.06.00	0	anchored.	
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Board time over at 8.30 to 6.00  
 Catch of lead  
 Reel time 20 lbs 36 min

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

*600* SERIAL TEMPERATURE, *Measurements*

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	<i>Mar</i>	<i>0</i>	<i>20</i>	
50	<i>Mar</i>	<i>15</i>	<i>30</i>	
100	<i>Aug</i>	<i>9/4</i>	<i>3 1/4</i>	
200				
300				
400		<i>7</i>		<i>Mals</i>
500				
600				
700				
800				
900				
1000				

REMARKS.



Vol. 7.2

No. 2460 Hy<sup>d</sup> Date July 29<sup>th</sup> 1890.  
Tanner Machine. - Reel.

Turns - Cor. + Depth 18 fms.

Shot or lead 28 lbs. Basnett Sounding

Bottom S.

Bottom temperature none taken.

No. of Thermometer - Cor.

Corrected temperature

Air 53° Surface 51° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
17.03.50	12.65.50	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. 2467a Date July 27 1878

Machine. Reel.

Turns 142 Cor. + 10 Depth 152 fms

Shot or lead 27 lb. Bowditch's

Bottom ~~gy. s.~~ G.

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air 29 Surface 57 Drift,

Trawl or dredge or tangles

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

5:31-00

5:51-00

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

REMARKS.

No. 1162761 Date Aug 23 1904

Tanner Machine. - Reel

Turns 60 Cor. + 1 Depth 61 fms

Shot or lead 25 lbs

Bottom bk s + g

Bottom temperature

No. of Thermometer Cor.

Corrected temperature

Air 47 Surface 50 Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

7.2 2.00

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. *2433* Date *Aug 2 1900*  
*Sigsbee* Machine. *2* Reel.  
 Turns *312* Cor. + *31* Depth *365 fms*  
 Shot or lead *38 lb*  
 Bottom *gn M*  
 Bottom temperature *43*  
 No. of Thermometer *63904* Cor. -  
 Corrected temperature *43*  
 Air *48°* Surface *48°* Drift.  
 Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>0 37 50</i>	<i>57 38</i>	0		
<i>15 55</i>	<i>50 55</i>	100		
<i>30 5</i>	<i>43 20</i>	200		
<i>45 15</i>	<i>41 20</i>	300		
<i>1 15 30</i>	<i>34 20</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.



507.

No. 246 Date Aug 2 90  
 Sigsbee Machine. Reel  
 Turns 736 Cor. + 46 Depth 802 fms  
 Shot or lead 32 lb  
 Bottom gy. M.  
 Bottom temperature 36.4  
 No. of Thermometer 538 Cor. -  
 Corrected temperature 36.2  
 Air 78° Surface 78° Drift.  
 Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11 57 10	12 00	0		
12 10	11 50	100		
12 20	11 40	200		
12 30	11 30	300		
12 40	11 20	400		
12 50	11 10	500		
1 00	11 00	600		
1 10	10 50	700		
1 20	10 40	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.

907.

No. 2460 <sup>Hy</sup> Date Aug 21 190

Sigsbee Machine. Reel. 2

Turns 815 Cor. + 70 Depth 885

Shot or lead 88 lb.

Bottom M

Bottom temperature 35.5

No. of Thermometer 63902 Cor. -

Corrected temperature 35.5

Air 48 Surface 50 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2-10-0		0		
12-0		100		
13-0		200		
14-0		300		
15-0		400		
16-0		500		
17-0		600		
18-0		700		
19-0	5-22-0	800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

wire stopped

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.

11607

No. 2466 Hy<sup>d</sup> Date August 2<sup>d</sup> 1890

Sigsbee Machine #2 Reel

Turns 590 Cor. + 53 Depth 643 fms

Shot or lead 35 lbs.

Bottom H. S. S.

Bottom temperature 36.7°

No. of Thermometer 63902 Cor. -

Corrected temperature 36.7

Air 48° Surface 51° Drift.

Trawl or dredge or tangles

0.12

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4.02 20	19.45	0		
		100		
		200		
		300		
		400		
		500		
10.75	4.12 00	600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

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

$$\begin{array}{r} 11420 \\ 590 \\ \hline 3854 \end{array}$$


$$\begin{array}{r} 220 \\ 167 \\ \hline 387 \end{array}$$

REMARKS

717

No. 2467 Hy<sup>d</sup> Date August 2<sup>d</sup> 1890

Sigsbee Machine. #2 Reel.

Turns 530 Cor. + 48 Depth 578 fms

Shot or lead 38 lbs.

Bottom fine bk. s.

Bottom temperature 37°

No. of Thermometer 63902 Cor. -

Corrected temperature 37°

Air 48° Surface 51° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
44.30	56.00	0		
		100		
		200		
		300		
		400		
48.50	4.50.00	500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				24.40 25-
50				5.30 25
100				3.20 25
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.



6017  
 7-4-11

No. 3211 Date Aug 3, 1891

Sigsbee Machine. Reel. 7

Turns 950 Cor. + 93 Depth 1033 fms

Shot or lead 35 lbs

Bottom gy/s. diatomaceous ooze

Bottom temperature 35.4

No. of Thermometer 63902 Cor. -

Corrected temperature 35.4

Air 47 Surface 50 Drift. 4<sup>m</sup> @ 1/4 N W

Trawl or dredge or tangles Deep Sea

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
6 58 00	23 40	0	6 27 30	10-0
01 03	20 10	100	31 25	08-0
02 02	22 43	200	35 45	05-0
04 05	22 09	300	40 50	9-02-0
06 30	21 20	400	46 12	07-0
07 15	20 30	500	46 25	56-0
08 00	19 27	600	49 15	53-0
09 01	18 11	700	53 10	51-0
11 00	18 40	800	56 50	49-0
12 05	16 00	900	7 10 15	45-0
12 50	6 12 10	1000	03 35	42-0
		1100	06 50	39-0
		1200	10 50	36-0
		1300	14 50	33-0
		1400	18 30	30-0
		1500	21 40	27-0
		1600	25 20	24-0
		1700	28 30	22-0
		1800	33 15	8-18-45
		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		H 750		
200		2 H 900		
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.  
 1. ...  
 2. ...  
 3. ...  
 4. ...  
 5. ...

667

No. 2468 Hy<sup>d</sup> Date August 3<sup>d</sup> 1890  
 Sigsbee Machine. 12 Reel.

Turns 1615 Cor. + 130 Depth 1745 fms.

Shot or lead 35 lbs.

Bottom soft green ooze.

Bottom temperature 35°

No. of Thermometer 63902 Cor. -

Corrected temperature 35°

Air 50° Surface 52° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2. 35.00	12.50	0		
---	11.20	100		
37.10	10.40	200		
38.20	10.00	300		
39.30	09.25	400		
40.40	08.45	500		
42.00	08.05	600		
43.20	07.20	700		
44.40	06.35	800		
46.00	05.45	900		
47.30	05.00	1000		
49.00	04.10	1100		
50.40	03.15	1200		
52.00	02.25	1300		
53.40	01.30	1400		
55.10	3.00.30	1500		
56.50	59.00	1600		
57.10	2.56.50	1615		
		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

Distomaceous ovals and  
Volvox found

4240

1615

2825

220

75

130

1625

1745

1893  
1897

No. 2469 Date August 3<sup>rd</sup> 1890

Sigsbee Machine. Reel.

Turns 1684 Cor. + 134 Depth 1818 fms

Shot or lead 35 lbs

Bottom gy. s. g.

Bottom temperature 35.0

No. of Thermometer 63902 Cor. -

Corrected temperature 35.0

Air 48 Surface 51 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9.52.40	38.58	0		
57 25	38.20	100		
54 20	38.00	200		
55 22	37.30	300		
56 35	36.50	400		
57 45	36.08	500		
59 10	35.00	600		
10 00 45	33.40	700		
02 10	32.55	800		
04 00	31.50	900		
05 20	31.00	1000		
07 07	29.00	1100		
08 55	27.30	1200		
10 40	25.00	1300		
11 30	23.00	1400		
14 25	22.00	1500		
16 10	10.20.00	1600		
		84 1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SURFACE TEMPERATURE,

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

REMARKS

5411  
11.03

No. 3308 *Dr* Date August 4/90

Sigsbee Machine. Reel. 2

Turns 1500 Cor. + 125 Depth 1625

Shot or lead 35 lbs.

Bottom gn. Oz.

Bottom temperature 35°

No. of Thermometer 63902 Cor. -

Corrected temperature 35°

Air 47 Surface 50 Drift. 6.5 N 0.1 E

Trawl or dredge or tangles *Rich Sea*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5-25-0	6-02-30	0	6-27-0	10-25.00
26-00		100	11-30	22.10
27-00		200	15-30	19.40
29-00		300	20-00	17.00
31-00		400	25-00	14.35
32-00		500	30-00	12.00
33-00		600	30-30	09.20
35-00		700	35-00	06.40
37-00		800	38-00	04.10
39-00		900	41-00	10.01.50
41-00		1000	44-00	59.20
42-00		1100	47-00	56.30
43-00		1200	50-00	53.30
44-00		1300	53-00	50.30
46-00		1400	56-00	47.30
48-00	5-50-0	1500	59-00	44.30
		1600	7-03-00	41.00
		1700	17-00	37.30
		1800	19-00	34.30
		1900	15-00	31.00
		2000	18-00	28.30
		2100	21-30	25.00
		2200	25-00	20.15
		2300	29-00	16.30
		2400	32-00	9.12.00

	07.40	2500
	08.03.20	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				

1 Antimora - REMARKS: 1 Deep-sea Eel.  
 1 Spiny Eel - 2 sps. Low fish.  
 2 sps. Holothurians. Small Crabs.  
 1 Anemone. Worm tubes & Worms.  
 Shrimps. Small crusty Scleractinia.  
 Purple Medusae. Small deep-sea fish.



No. *2-20 Key* Date *Aug 11 1891*Machine. *2* Reel.Turns *62* Cor. + *7* Depth *69 fms*Shot or lead *38 lbs*Bottom *gy M*Bottom temperature *35.5*No. of Thermometer *65902* Cor. -Corrected temperature *38.5*Air *46* Surface *50* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

## DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>J 9.30</i>	<i>16.30</i>	0		
<i>10.05</i>	<i>3-10-10</i>	62		
		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  
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 2800  
 2900  
 3000  
 3100  
 3200  
 3300  
 3400  
 3500  
 3600  
 3700  
 3800  
 3900  
 4000

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
5				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

867  
*CPH*

No. *3309* Date *August 4/90*

*Sigsbee* Machine. Reel. *4*

Turns *64* Cor. + *7* Depth *71*

Shot or lead *38 lb*

Bottom *gn m*

Bottom temperature *37.1*

No. of Thermometer *63902* Cor. -

Corrected temperature *37.1*

Air *46* Surface *50* Drift *1/2 m S x W*

Trawl or dredge or tangles *Large Beam <sup>1/2 m</sup> S x W*

SOUNDING WIRE.

*gn m* DREDGE ROPE.

SOUNDING WIRE.		TURNS.	<i>gn m</i> DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>5-12-0</i>	<i>5-15-0</i>	0	<i>5-17-0</i>	<i>46-0</i>
		100	<i>21-0</i>	<i>43-0</i>
		200	<i>26-0</i>	<i>39-0</i>
		210		
		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

few low corals      few worms  
 No coral heads      water in clouds  
 small      few low coral  
 1 large      slightly salt  
 2 low masses      small patches  
                          few sponges

407.

No. 2471 *Hy* - Date August 11<sup>th</sup> 1890 -  
*Sigsbee* Machine. #2 Reel.

Turns 287 Cor. + 27 Depth 314 fms.

Shot or lead 38 lbs.

Bottom gn M.

Bottom temperature 38.2

No. of Thermometer 63902 Cor. -

Corrected temperature 36.2

Air 46° Surface 50° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8.03.00	12.00	0		
}		100		
		200		
08.30	8.09.30	217		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25			2.40	
50		280	2.7	
100		6130		
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

1007

No. 2472 Hy<sup>3</sup> Date Aug. 4<sup>th</sup> 1890.

Sigsbee Machine, #2 Reel.

Turns 405 Cor. + 40 Depth 445 fms.

Shot or lead 38 lbs.

Bottom gn. M.

Bottom temperature 37.5

No. of Thermometer 63902 Cor. -

Corrected temperature 37.5

Air 45° Surface 50° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11.30.00	48.50	0		
		100		
		200		
		300		
39.50	11.41.00	400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
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3000  
3100  
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3400  
3500  
3600  
3700  
3800  
3900  
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	44.40			
30	40.5			
100	40.35			
200	37			
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS



No. 2473dy Date Aug 5 1890

Sigsbee Machine. 72 Reel.

Turns 1610 Cor. + 130 Depth 1740 fms

Shot or lead 38 lb

Bottom gn of

Bottom temperature 35°

No. of Thermometer 63902 Cor. -

Corrected temperature 35°

Air 47° Surface 33° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

3 45 60	36 20	0		
47 10	34 20	100		
48 10	33 20	200		
49 40	32 20	300		
50 40	31 00	400		
52 20	30 05	500		
54 00	29 00	600		
55 25	27 45	700		
56 30	26 30	800		
58 20	25 35	900		
59 45	24 20	1000		
+ 01 25	23 08	1100		
03 12	21 40	1200		
04 50	20 20	1300		
06 00	17 10	1400		
08 30	15 20	1500		
09 50	13 10	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.

277

No. 2474 Hy<sup>2</sup> Date Aug 5/90.

Sigsbee Machine. Reel. 2

Turns 892 Cor. + 85 Depth 977

Shot or lead 35 lb

Bottom mud, S.

Bottom temperature 35.2

No. of Thermometer 63902 Cor. -

Corrected temperature 35.2

Air 47 Surface 40 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8-18-20	49-0	0		
20-18	47-30	100		
23-10	46-	200		
24-32	44-30	300		
26-09	43-	400		
27-30	41-0	500		
28-28	39-30	600		
30-28	38	700		
32-5	36-30	800		
33-45	3-35-0	92		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
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 3200  
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 3400  
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 3600  
 3700  
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 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. 2475 Hy<sup>d</sup> Date Aug. 5<sup>th</sup> 1890.

Sigsbee Machine. #2 Reel.

Turns 130 Cor. + 14 Depth 144 fms.

Shot or lead 35 lbs.

Bottom fine S.

Bottom temperature 38°

No. of Thermometer 63902 Cor. -

Corrected temperature 38°

Air 47° Surface 50° Drift.

Trawl or dredge or tangles

8.11

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
12.10.00	15.10	0		
12.50	12.13.30	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	$  \begin{array}{r}  12.11 \\  1.2 \\  \hline  13.31  \end{array}  $			
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 2476 Hyd. Date Aug. 6 1890

Sigsbee Machine. Reel.

Turns 1750 Cor. + 137 Depth 1887 fms

Shot or lead 35 lbs

Bottom gn. G.

Bottom temperature 35°

No. of Thermometer 65702 Cor. -

Corrected temperature 35°

Air 46° Surface 50° Drift.

Trawl or dredge or tangles

*km*

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
35 20	8.24.30	0		
37 28		100		
39 36		200		
41 50		300		
43 30		400		
45 30		500		
47 40		600		
49 45		700		
51 15		800		
53 15		900		
55 15		1000		
57 55		1100		
59 30		1200		
61 10		1300		
63 40		1400		
65 40		1500		
67 25		1600		
69 55		1700		
71 10	8 06 30	1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25			2.00	
50			5.0	
100		46615	1.37	
200		1760	17.10	
300		2670	15.87	
304				
400				
500				
600				
700				
800				
900				
1000				

REMARKS



No. 2477 *Hy<sup>2</sup>* Date *August 15 1881*  
*Liquor* Machine. *2* Reel.

Turns *1902* Cor. + *100* Depth *1902 fms*

Shot or lead *33 lbs.*

Bottom *gn. Oy.*

Bottom temperature *34.9*

No. of Thermometer *62902* Cor. -

Corrected temperature *34.9*

Air *48* Surface *50* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.			DREDGE ROPE.	
DOWN.	UP.	TURNS.	DOWN.	UP.
<i>23 00</i>	<i>15.55</i>	0		
<i>24 00</i>	<i>14.30</i>	100		
<i>25 00</i>	<i>13.20</i>	200		
<i>26 00</i>	<i>12.20</i>	300		
<i>27 00</i>	<i>11.20</i>	400		
<i>28 00</i>	<i>10.20</i>	500		
<i>29 00</i>	<i>09.20</i>	600		
<i>30 00</i>	<i>08.40</i>	700		
<i>31 00</i>	<i>08.20</i>	800		
<i>32 00</i>	<i>05.10</i>	900		
<i>33 45</i>	<i>04.00</i>	1000		
<i>34 20</i>	<i>02.40</i>	1100		
<i>35 50</i>	<i>01.30</i>	1200		
<i>36 50</i>	<i>00.35</i>	1300		
<i>38 25</i>	<i>00.35</i>	1400		
<i>39 15</i>	<i>00.35</i>	1500		
<i>40 10</i>	<i>01.45</i>	1600		
<i>41 00</i>	<i>02.00</i>	1700		
<i>42 50</i>	<i>03.50</i>	1800		
<i>43 10</i>	<i>05.20</i>	1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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3200  
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3600  
3700  
3800  
3900  
4000

240  
2802  
2956  
330  
46  
74  
80  
298

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
36.8 } 25	42.5	63912	-0.1	42.4
37.0 } 50	37.0	51451	-0.1	36.9
38.0 } 100	38.2	61758	-0.1	38.1
200	38.0	52732	—	38.0
300	38.2	57260	-0.7	38.9
400	37.6	62358	-0.1	37.5
36.9 } 500	36.9	1597	+0.2	37.1
600	36.5	61755	—	36.5
36.5 } 700	36.5	3906	—	36.5
36.3 } 800	36.3	54815	—	36.3
36.5 } 900	36.5	61768 +	-0.3	36.2
36.1 } 900	36.0	63913	—	36.0
900	38.5	61766 +	—	38.5
1000	35.4	63902	—	35.4
	36.0	61767 +	—	36.0

REMARKS.

\* Long bottles used.

No. 2478 Key Date Aug 7<sup>th</sup> 90

Sigsbee Machine #2 Reel.

Turns 1867 Cor. + 149 Depth 2036 fms

Shot or lead 60 lbs.

Bottom gm. sz

Bottom temperature 35.0°

No. of Thermometer 63902 Cor. -

Corrected temperature 35.0°

Air 46 Surface 50 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
45 00	27 00	0		
46 30	25 45	100		
47 40	25 15	200		
48 04	24 10	300		
49 10	23 10	400		
50 10	22 45	500		
51 10	22 15	600		
52 05	21 25	700		
53 10	20 35	800		
54 10	19 45	900		
55 15	18 50	1000		
56 21	18 00	1100		
57 30	17 04	1200		
58 40	16 30	1300		
59 50	15 20	1400		
1 01 02	14 02	1500		
12 40	13 05	1600		
13 30	12 30	1700		
14 50	10 20	1800		
15 16	1 08 50	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	5.20	1587		
300	21	1587		
400	14.9	1587		
500	44.40	1587		
600	18.87	1587		
700	25.53	1587		
800				
900				
1000				

REMARKS.

No. *2279* By *H. J. ...* Date *August 7<sup>th</sup> 1890*

*Sigsbee* Machine. # *2* Reel.

Turns *1905* Cor. + *102* Depth *2047 fms*

Shot or Lead *35 lbs.*

Bottom *gn. ss.*

Bottom temperature *38.0*

No. of Thermometer *63902* Cor. -

Corrected temperature *35.0*

Air *48* Surface *49* Drift.

*50* Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>8.06.00</i>	<i>52.30</i>	0		
	<i>57.45</i>	100		
	<i>57.20</i>	200		
	<i>58.40</i>	300		
	<i>59.5</i>	400		
	<i>59.25</i>	500		
	<i>58.50</i>	600		
	<i>48.00</i>	700		
	<i>47.20</i>	800		
	<i>46.30</i>	900		
	<i>45.45</i>	1000		
	<i>44.55</i>	1100		
	<i>44.05</i>	1200		
	<i>43.20</i>	1300		
	<i>42.35</i>	1400		
	<i>41.30</i>	1500		
	<i>40.50</i>	1600		
	<i>39.35</i>	1700		
	<i>38.30</i>	1800		
	<i>37.30</i>	1900		
<i>8.35.40</i>	<i>8.26.30</i>	<i>1905</i> 2000		
		2100		
		2200		
		2300		
		2400		

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 10 9 5  
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 1 5 2  
 1 9 7  
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 3100  
 3200  
 3300  
 3400  
 3500  
 3600  
 3700  
 3800  
 3900  
 4000

SERIAL TEMPERATURE.

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

REMARKS.

8613  
507

No. 2480 Key Date Aug 7<sup>th</sup> 1890

Sigsbee Machine. 2 Reel.

Turns 1903 Cor. + 103 Depth 2003 fms

Shot or lead 60 lbs.

Bottom bu. oz.

Bottom temperature 35.0

No. of Thermometer 63702 Cor. -

Corrected temperature 35.0

Air 49 ° Surface 50 ° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
12 45	53 25	0		
13 40	53 15	100		
14 30	54 40	200		
15 20	52 15	300		
16 16	53 05	400		
17 10	51 35	500		
18 05	50 55	600		
19 05	50 00	700		
20 07	49 13	800		
21 17	48 35	900		
22 15	47 40	1000		
23 20	46 45	1100		
24 25	45 50	1200		
25 27	45 05	1300		
26 47	44 05	1400		
28 00	43 00	1500		
28 20	41 50	1600		
30 35	40 50	1700		
31 53	39 00	1800		
33 05	38 00	1900		
33 10	33 25	2000		
		2100		
		2200		
		2300		
		2400		

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 3600  
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 3800  
 3900  
 4000

SERIAL TEMPERATURE.

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

REMARKS.



507

No. 3281 *key* Date Aug 15<sup>th</sup> 1890

Tanner Machine. - Reel. -

Turns 25 Cor. + 0 Depth 25 fms

Shot or lead 28 lbs.

Bottom *fine gy s*

Bottom temperature

No. of Thermometer - Cor. -

Corrected temperature +

Air 50 Surface 52 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>6 56 10</i>	<i>6 57 10</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.	TIME.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

*Y. B.*

No. 3310 *D<sup>W</sup>* Date Aug 13<sup>th</sup> 1894

Tanner Machine. Reel.

Turns 57 Cor. + 1 Depth 58 fms

Shot or lead 28 lbs.

Bottom fine dk S + M

Bottom temperature 41.5°

No. of Thermometer 65902 Cor. -

Corrected temperature 41.5°

Air 50° Surface 52° Drift. *7.22 N 1/2 S*

Trawl or dredge or tangles small beam

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>07 25</i>	<i>09 55</i>	0	<i>7 12.30</i>	<i>39 55</i>
<i>08 10</i>	<i>7 08-12</i>	100	<i>8 20</i>	<i>37 05</i>
		200	<i>20 10</i>	<i>7 30 00</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.

1st Summit Ocean, C. 6 to, shells,  
 About a kind of *S. m. p.*  
*See* *Chlorococcum*  
 3 kinds *Stas* for *Allyce* *Stas*  
*Stas* *Stas*  
*Stas* *Stas*

*J. C. ...*

No. *2482* Date *Aug 15<sup>th</sup> 90*

*Tanner* Machine. Reel.

Turns *77* Cor. *2* Depth *79 fms*

Shot or lead *28 lbs.*

Bottom *fine s. sh. M.*

Bottom temperature *—*

No. of Thermometer *62902* Cor. *—*

Corrected temperature *41°*

Air *50°* Surface *54°* Drift.

Trawl or dredge or tangles.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>26 00</i>	<i>48 50</i>	0		
<i>27 00</i>	<i>47 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.

No. 2450 by Date Aug 15 1890

Tanner Machine. - Reel.

Turns 93 Cor. + 2 Depth 95 fms

Shot or lead 28 lbs.

Bottom gy. sh. S. M.

Bottom temperature 40.5°

No. of Thermometer 63902 Cor. -

Corrected temperature 40.5°

Air 50° Surface 52° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

7 58 05 8 00 20  
09 10 7 59 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.



17. 807.

No. 2484 *Hy.* Date August 15<sup>th</sup> 1890.  
 Tanner Machine. - Reel.

Turns 115 Cor. + 3 Depth 118 fms.

Shot or lead 28 lbs.

Bottom fne s. tr. M.

Bottom temperature 41.5

No. of Thermometer 63902 Cor. -

Corrected temperature 41.5

Air 50° Surface 54° Drift.

Trawl or dredge or tangles

S.M.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8.06.00	8.13.00	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 TEMPERATURE.

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

REMARKS.

U.S. GEOLOGICAL SURVEY  
 1896

No. 2485 Hy<sup>d</sup> - Date August 15<sup>th</sup> 1896.  
 Tanner Machine. - Reel.

Turns 52 Cor. + 1 Depth 53 fms

Shot or lead 28 lbs.

Bottom fine dk. S.

Bottom temperature 42.2

No. of Thermometer 63902 Cor. -

Corrected temperature 42.2

Air 50° Surface 54° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8.18.00	8.23.00	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		

Reel over 5 fathoms on starboard side of  
 S. R. M.  
 Jan 12. 1896

Catches: 7 headfish

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

### Cod SERIAL TEMPERATURE Measurements.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
35	7 lbs.	Thermometer	27	27
50	14 lbs.	Thermometer	52	52
100	11 lbs.	Average.	29	29
200				
300	4	Thermometer	5	Thermometer
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

1007.  
A.C.C.

No. 2486 Hy 3 Date August 15<sup>th</sup> 1890.

Tanner Machine. - Reel.

Turns 22 Cor. + - Depth 22 fms.

Shot or lead 28 lbs.

Bottom rd. m. S.

Bottom temperature 45.8

No. of Thermometer 63902 Cor. -

Corrected temperature 45.8

Air 56 Surface 54 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8.50.00	8.54.00	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		

8 Hand lines over port side at 8.55.  
 In at 9.05.  
 Catch: 10 Crd fish.

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

1008 SERIAL TEMPERATURE *11.2.1911*

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	5	105. Mannin <sup>m</sup>	27	22
50	14	105. Mannin <sup>m</sup>	35	21
100	10	105. Mannin <sup>m</sup>	29 1/2	24
200				
300	7	Mannin	5	Mannin
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

*1007*

No. 2487 Hyd. Date August 15<sup>th</sup> 1890.  
Tanner Machine. - Reel.

Turns 70 Cor. + 1 Depth 71 fms.

Shot or lead 28 lbs.

Bottom fine S. & M.

Bottom temperature 41.3

No. of Thermometer 53902 Cor. -

Corrected temperature 41.3

Air 56° Surface 52° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9.21.00	9.26.00	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.
75				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.



1003  
607.

No. 2488 Hyd Date August 15<sup>th</sup> 190.

Tanner Machine. — Reel.

Turns 96 Cor. + 3 Depth 99 fms.

Shot or lead 28 lbs.

Bottom fine s. & M.

Bottom temperature 40.5

No. of Thermometer 63902 Cor. —

Corrected temperature 40.5

Air 56° Surface 52° Drift.

Trawl or dredge or tangles

S.M.

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9.36.00	9.41.00	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.	USE.	COR. TEMP.
75				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

607.

No. 3311 *02* Date August 15<sup>th</sup> 1890.  
 Tanner Machine. - Reel.

Turns 83 Cor. + 2 Depth 85 fms.  
 Shot or lead 25 lbs.

Bottom gn. M.

Bottom temperature 41°

No. of Thermometer 63902 Cor. -

Corrected temperature 41°

Air 53° Surface 52° Drift <sup>1<sup>st</sup></sup> <sup>2<sup>d</sup></sup> *0.0 0.0*

Trawl or dredge or tangles Small beam

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9.41.00	9.54.00	0	9.55.00	23.00
		100		
		200	10.04.00	10.13.00
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



172  
687

No. 2489 Hy<sup>d</sup> Date August 15<sup>th</sup> 1890.  
Tanner Machine. - Reel

Turns 65 Cor. + 1 Depth 66 fms.

Shot or lead 25 lbs.

Bottom fms. ~~to~~ S. T. M.

Bottom temperature 41.2

No. of Thermometer 63902 Cor. -

Corrected temperature 41.2

Air 56° Surface 56° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10. 21. 08	10. 24. 02	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. 3312 *DI* Date August 15<sup>th</sup> 1890.  
 Tanner Machine. - Reel.

Turns 44 Cor. + 1 Depth 45 fms.  
 Shot or lead 28 lbs.

Bottom fine s. & M.

Bottom temperature 43°

No. of Thermometer 63902 Cor. -

Corrected temperature 43°

Air 55° Surface 55° Drift. 1/2 mi. 2/2 mi

Trawl or dredge or tangles small beads

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
10 37.00	10.41.00	0	10.63.00	25.00
		100		
		200	58.00	11.21.00
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

10 fms. hauls over port side at 10.48.  
 In at 10.55  
 Catch: - Mx

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

SERIAL TEMPERATURE.

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

REMARKS.

*r. Mate*  
 few fish, *Chromis*  
 yellowish. *Star fishes*  
 blueish fish. *Red*  
 Lizards,  
 Note. *5* in *at 2000*  
 surface over *and* *level*



175

No. 2490 Hye Date August 15<sup>th</sup> 1890.  
 Tanner Machine. — Reel.

Turns 37 Cor. + 0 Depth 37 fms

Shot or lead 25 lbs.

Bottom S. Gh. sp.

Bottom temperature 44.3

No. of Thermometer 63902 Cor. —

Corrected temperature 44.3

Air 57° Surface 55° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11.31.00	11.34.00	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		

17 Hand lines over port side at 11.30.  
 In at 11.45  
 Catch: — Nil.

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

SERIAL TEMPERATURE

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

REMARKS

No. 2491 Hyd. Date August 15<sup>th</sup> 1890.

Tanner Machine. - Reel.

Turns 40 Cor. 0 Depth 40 fms.

Shot or lead 28 lbs.

Bottom fine S.

Bottom temperature 44.5

No. of Thermometer 63902 Cor. -

Corrected temperature 44.5

Air 60° Surface 55° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

11.56.00

11.59.02

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

Hand lines over port side at 12.07 M.  
Down at 12.15  
Catch: 1 small fish to 2400.

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE.

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

REMARKS.

No. 3492 Key Date August 10 1890

Tanner Machine. Reel.

Turns 56 Cor. 1 Depth 57 fms

Shot or lead 35 lbs

Bottom S.S. + G

Bottom temperature 42.5

No. of Thermometer 3582 Cor. -

Corrected temperature 42.5

Air 65° Surface 55° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
12.26.00	12.27.00	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		

P.M.

30 min Made  
 Codfish 10 lbs  
 30 min Made  
 30 min Made

8 fathoms over  
 Jan 27 12.38  
 30 min Made

8

	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. 3313 <sup>W</sup> Date Aug 13-1890

Tanner Machine. Reel.

Turns 67 Cor. + Depth 68 fms

Shot or lead 25 lbs

Bottom fine blk s

Bottom temperature 42.7°

No. of Thermometer 62902 Cor. -

Corrected temperature 42.7°

Air 55° Surface 55° Drift. 3 West

Trawl or dredge or tangles Surt beam

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
12-57-00	12-53-00	0	12-53-00	26 50
		100	56 30	24 00
		200	101 40	21 30
		270		
		300	02 50	20 00
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE,

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

REMARKS.

1 On surface  
 2 It is ...  
 3 ...  
 4 ...  
 5 ...  
 6 ...



No. 2493 Key Date Aug 15 1898

Sigsbee Machine. Reel.

Turns 103 Cor. + 3 Depth 103 fms

Shot or lead 28 lb

Bottom fine bk s

Bottom temperature 40.9

No. of Thermometer 63902 Cor. -

Corrected temperature 40.9

Air 55° Surface 55° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1 35 00	1 58 10	0		
36 00	36 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. 2492 *Boy* Date *Aug 15 1890*

*Tanner* Machine. Reel.

Turns *94* Cor. + *3* Depth *97 fms*

Shot or lead *28 lbs*

Bottom *bk s*

Bottom temperature *40.9*

No. of Thermometer *63902* Cor. -

Corrected temperature *40.2*

Air *55* Surface *53* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>P.M.</i>	<i>P.M.</i>	0		
<i>1 48 40</i>	<i>37.00</i>	100		
<i>49.30</i>	<i>1 49.30</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.	TIME.	NO. OF THER.	COR.	ME. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

513

No. 3314 <sup>15</sup> Date Aug 15 1890

Tanner Machine. Reel.

Turns 72 Cor. + 2 Depth 74 fms

Shot or lead 28 lbs

Bottom bk ↓

Bottom temperature 42.5°

No. of Thermometer 63902 Cor. -

Corrected temperature 42.5°

Air 55° Surface 55° Drift. 1/2 S 1/2 W

Trawl or dredge or tangles Small Beam

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
pm 2 02.00	04.10	0	2 05.10	37.00
03.00	2 07.05	100	09.55	35.00
		200	15.00	31.30
		300	16.10	2 31.00
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE,

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

REMARKS.

2 No. Thompson 2 1/2 lbs  
Sea Box, Many Large  
1 Basket Star  
Sea Urchin Oblique  
Serpent Stone  
1 Large 1/2 in 2 1/2 in

No. 2595 Date Aug 15 1890

Sigsbee Machine. - Reel.

Turns 75 Cor. + 2 Depth 77 fms

Shot or lead 28 lbs

Bottom fks S ~~bk~~ Sh

Bottom temperature 40

No. of Thermometer 63902 Cor. -

Corrected temperature 40°

Air 56 Surface 63 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2 51 40	53 30	0		
55 20	2 52 25	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.



813  
567.

No. 2496 Date Aug 15 1890  
Tanner Machine. - Reel.

Turns 57 Cor. + 1 Depth 58 fms

Shot or lead 25 lbs

Bottom bk. s. & G. sh.

Bottom temperature 42.1°

No. of Thermometer 63902 Cor. -

Corrected temperature 42.1°

Air 56° Surface 55° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3 16 10	7 55	0		
16 50	7 53	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Part of haulings over station board used at 3.18  
 In at 3.30  
 back. 7th.

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

567

No. *2207* Date *Aug 15 1898*  
 Tanner Machine. - Reel.

Turns *317* Cor. *5* Depth *322 fms*

Shot or lead *25 lb*

Bottom *GS S*

Bottom temperature *38.3°*

No. of Thermometer *63902* Cor. -

Corrected temperature *38.3*

Air *56°* Surface *55°* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>3 52 50</i>	<i>02 20</i>	0		
<i>3 52 20</i>	<i>4 00 30</i>	100		
<i>53 10</i>	<i>52 00</i>	200		
<i>56 15</i>	<i>3 56 20</i>	300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE,

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

REMARKS

W.D. 367.  
J.E.B.

No. 3315  $\pm$  Date August 15<sup>th</sup> 1890  
Sanner Machine. - Reel.

Turns 272 Cor. + 5 Depth 277 fms.  
Shot or lead 28 lbs.

Bottom gn. M. & S.  
Bottom temperature 38.5

No. of Thermometer 63902 Cor. -  
Corrected temperature 38.5

Air 56° Surface 55° Drift.  $\frac{1}{2}$  S  $\frac{1}{2}$  E  
Trawl or dredge or tangles small beam

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4.24.00	4.30.00	0	4.29.00	4.16.00
		400	4.44.00	4.47.00
		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 TEMPERATURE,

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

REMARKS.

2 new sponges. Cap Corals.  
 few sp. *Thormus*. *Thromopsis*  
*Ascidians*. *Altilobops* like  
*Archonactis*. *Sea Anemones*

1613  
597.

No. 2298<sup>1/2</sup> Date Aug 25-1891  
Tanner Machine. Reel.

Turns 145 Cor. + 3 Depth 148 fms

Shot or lead 28 lbs

Bottom bk S.

Bottom temperature Not taken

No. of Thermometer — Cor. —

Corrected temperature —

Air 53° Surface 54° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5-18 00	5-21 00	0		
5-19 00	20 30	100		
19 30	5-19 35	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.
95				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.



107.3

No. 2499 Hy<sup>a</sup> Date August 15<sup>th</sup> 1890

Tanner Machine. - Reel.

Turns 37 Cor. + - Depth 37 fms.

Shot or lead 28 lbs.

Bottom G.S.

Bottom temperature 44.5

No. of Thermometer 63902 Cor. -

Corrected temperature 44.5

Air 53° Surface 54° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5.36.00	5.35.30	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. 2350 Key Date Aug 16, 1896

Tanner Machine. Reel.

Turns 51 Cor. + 1 Depth 52 fms

Shot or lead 28 lbs

Bottom bk s & g

Bottom temperature 44°

No. of Thermometer 63922 Cor. -

Corrected temperature 44°

Air 62° Surface 53 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

DOWN. UP. TURNS. DOWN. UP.

57.34 30 5.36 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

Put 6 handlines over post with at 5.30 -  
In at 5.55  
Cable. Net.

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.

Y. B. 1887

No. 3316 <sup>12</sup> Date Aug 16 1887

Tanner Machine. Reel.

Turns 304 Cor. + 5 Depth 309 fms

Shot or lead 28 lbs

Bottom sh. s. + g.

Bottom temperature 38.2°

No. of Thermometer 63902 Cor. -

Corrected temperature 38.2

Air 62° Surface 56° Drift. 8.40 N. 1/2 W.

Trawl or dredge or tangles Small Beam

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
6.16.35	26.00	0	6.35.50	21.10
17.30	24.50	100	38.50	18.12
18.55	23.45	200	32.40	15.10
19.10	19.15	300	35.30	11.15
19.12	6.19.14	400	38.15	08.01
		500	41.20	04.50
		600	45.15	01.50
		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.

1 St. Red Cerata Star  
 4 species of Sponges  
 Antedon - crinoids  
 Purple Holothurians  
 Sea urchins, Schizaster

No. 2501 Key Date Aug. 16. 1890

Tanner Machine. Reel.

Turns 173 Cor. + 4 Depth 179 fms

Shot or lead 28 lbs

Bottom bk s

Bottom temperature 39

No. of Thermometer 63902 Cor. -

Corrected temperature 39.5

Air 59° Surface 52° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
34 00	39 10	0		
35 00	37 20	100		
36 00	36 30	200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURE.

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

REMARKS.



No. 2502 Date Aug. 16 1890

Janner Machine. Reel.

Turns 49 Cor. + 1 Depth 50 fms

Shot or lead 28 lb

Bottom bk. s

Bottom temperature 43.5

No. of Thermometer 63902 Cor. -

Corrected temperature 43.5

Air 60 Surface 52 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

7 50 50 7 52 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

Put over 9 hauls over port side at 7.52  
In at 8.03.  
Catch: 1 Helicent. 6 1/2 #2 26-in

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. 567

No. 2503. H. G. Date August 16<sup>th</sup> 1890.

Tanner Machine. - Reel.

Turns 22 Cor. + - Depth 22 fms.

Shot or lead 28 lbs

Bottom Sh.

Bottom temperature 44.1

No. of Thermometer 63902 Cor. -

Corrected temperature 44.1

Air 60° Surface 54° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8.34.00	8.36.00	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		

2 haul lines over port side at 8.38.  
 In at 8.53.

Caught: - 13 Cod fish.  
 2 Halibut.

8 lbs.  
 15 lbs.

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

*Cod* SERIAL TEMPERATURE Measurements

DEPTH.	TIME.	NO. OF THER.	COR.	COR. TEMP.
25	7 <del>hrs</del>	Minian <sup>no</sup>	26	<del>no</del>
50	15 <del>hrs</del>	Maxim <sup>no</sup>	33	<del>no</del>
100	14 <del>hrs</del>	Average	29	<del>no</del>
200				
300	7	Waler	6	Stemmer
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

*M.C. 27*

No. 2504 *Hg* Date August 16<sup>th</sup> 1890.

Tanner Machine. - Reel.

Turns 311 Cor. + 5 Depth 316 fms.

Shot or lead 28 lbs.

Bottom *gn. M.*

Bottom temperature 38.2

No. of Thermometer 63902 Cor. -

Corrected temperature 38.2

Air 60° Surface 52° Drift.

Trawl or dredge or tangles

*M.M.*

SOUNDING WIRE.

DREDGE ROPE.

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		

9.28.00 9.34.00

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

SERIAL TEMPERATURE,

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

REMARKS:

1007

No. 3317 <sup>22</sup> Date August 16<sup>th</sup> 1890.  
 Tanner Machine. - Reel.

Turns 161 Cor. + 4 Depth 165 fms.

Shot or lead 28 lbs.

Bottom crs. S. + G. + R

Bottom temperature 39.5

No. of Thermometer 63902 Cor. -

Corrected temperature 39.5

Air 60° Surface 54° Drift SW 1/4 mi

Trawl or dredge or tangles Small ben

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9.58.00	10.03.00	0	10.04.00	26.50
		100	12.00	10.17.30
		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

Red obs. Sponges  
Terns in tanks.  
Rock Cod.  
Ephorians.  
Pompano.  
Shells.

Sea Urchins.  
Star fishes.  
Hyroids  
Bryozoa



*11.07*

No. 2505 *Key* Date August 16<sup>th</sup> 1890.  
 Tanner Machine. — Reel.

Turns 36 Cor. + - Depth 36 fms.

Shot or lead 28 lbs.

Bottom *fine rd. & bk. s.*

Bottom temperature 46.2

No. of Thermometer 63902 Cor. -

Corrected temperature 46.2

Air 60° Surface 54° Drift.

Trawl or dredge or tangles

*A.M.*

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.56.00	10.59.00	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		

*10 haul lines over port side at 11.00*

*In at 11.07.*

*Caught - Nix.*

*Line not on bottom.*

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

SERIAL TEMPERATURE.

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

REMARKS.

11.5  
507

No. 2506 *Hyd* Date August 16<sup>th</sup> 1892

Tanner Machine. — Reel.

Turns 96 Cor. 1 Depth 97 fms.

Shot or lead 28 lbs.

Bottom *fk. s. sh. s.*

Bottom temperature 40.9

No. of Thermometer 63902 Cor. —

Corrected temperature 40.9

Air 60° Surface 54° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11.33.00	11.37.00	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				
34				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 3507 Key Date Aug 16 1890

Tanner Machine. - Reel.

Turns 22 Cor. + 0 Depth 22 fms

Shot or lead 25 lb.

Bottom gy S

Bottom temperature 46

No. of Thermometer 63902 Cor. -

Corrected temperature 46.0

Air 60° Surface 54° Drift.

Trawl or dredge or tangles

P. M. 9 hauls etc port side at 12. 13  
 An at 12. 30  
 Calch. 6 Codfish

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
P.M. 12 72 25	P.M. 12 13 25	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*  
SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	<i>Max</i>	<i>15 16</i>	<i>34</i>	<i>12</i>
50	<i>Max</i>	<i>8 "</i>	<i>21</i>	<i>"</i>
100	<i>Avg</i>	<i>10 "</i>	<i>30</i>	
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 3508 Day Date Aug 16, 1896

Tanner Machine. - Reel -

Turns 40 Cor. 0 Depth 40 fms

Shot or lead 28 lbs

Bottom S + G

Bottom temperature 44°

No. of Thermometer 65902 Cor. -

Corrected temperature 44°

Air 54° Surface 52° Drift.

Trawl or dredge or tangles

Put over 8 hauls at 12.30 pm side  
Swat 10 fms  
Reel in

P 76

12 53 00

12 54 00

SOUNDING WIRE.

DOWN.

UP.

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.



No. 2509 *Log* Date *Aug 16 1896**Sanner* Machine. Reel.Turns *162* Cor. + *22* Depth *166 fms*Shot or lead *28*Bottom *of dm*Bottom temperature *39°*No. of Thermometer *63902* Cor. -Corrected temperature *39°*Air *59°* Surface *52°* Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

## DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1.13 00</i>	<i>8 10</i>	0		
<i>12 10</i>	<i>16 00</i>	100		
<i>14 30</i>	<i>12 20</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.

No. 2510 Date Aug 16 1890

Sanner Machine. Reel.

Turns 54 Cor. + 1 Depth 55 fms

Shot or lead 28 lbs

Bottom br s

Bottom temperature 43°

No. of Thermometer 63902 Cor. -

Corrected temperature 43°

Air 59° Surface 52° Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

1 50 19 1 52 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.	LOG.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

5013

No. 23-11 Key Date Aug 16 1890

Tanner Machine. Reel.

Turns 58 Cor. + 1 Depth 59 fms

Shot or lead 28 lbs

Bottom bk s

Bottom temperature 42°

No. of Thermometer 63902 Cor. -

Corrected temperature 42°

Air 59° Surface 52° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3 03.30	2 04 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. 2512 Key Key Date Aug 16 1890  
 Tanner Machine. Reel.  
 Turns 103 Cor. + 3 Depth 106 fms  
 Shot or lead 28 lb  
 Bottom bk s + g  
 Bottom temperature 38.8  
 No. of Thermometer 63902 Cor. -  
 Corrected temperature 38.8  
 Air 59' Surface 52' Drift.  
 Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

1002 17.352 20.00

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. 3319 *Dr* Date Aug 16 1893

Tanner Machine. Reel.

Turns 60 Cor. + 1 Depth 61 fms

Shot or lead 28 lbs

Bottom bk s to brk Sh.

Bottom temperature 42°

No. of Thermometer 63902 Cor. -

Corrected temperature 42°

Air 54 Surface 62 Drift. Initials ESE

Trawl or dredge or tangles Small Beams

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

SOUNDING WIRE. DOWN.	SOUNDING WIRE. UP.	TURNS.	DREDGE ROPE. DOWN.	DREDGE ROPE. UP.
3 52 20	3 55 10	0	2 55 00	2 55 25
		100	59 30	2 20 50
		200	3 02 20	3 20 20
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Shot over 9 fathoms, shot found pick at 327  
 Shot 3 34  
 Catch: Int.

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

SERIAL TEMPERATURE,

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

REMARKS.

2 therm. therm. fide. 2 specimens  
 kept slow  
 for 1/2 hour  
 for 1/2 hour  
 for 1/2 hour  
 for 1/2 hour

1102

No. 2513 Hy<sup>a</sup> Date August 16<sup>th</sup> 1890.

Tanner Machine. - Reel.

Turns 46 Cor. + 1 Depth 47 fms

Shot or load 28 lbs.

Bottom fh. S. S.

Bottom temperature 44.1

No. of Thermometer 63902 Cor. -

Corrected temperature 44.1

Air 54 Surface 52 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4.36.50	4.09.00	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		

10 Hand line over port side at 4.10.  
 In at 4.25  
 Caught. - Mix.

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. 2574 Date Aug 18. 1890

Machine. - Reel.

Turns 100 Cor. + 3 Depth 103 fms

Shot or lead 27 lbs

Bottom M S M

Bottom temperature

No. of Thermometer Cor.

Corrected temperature

Air 50 Surface 52 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

32.15 34.50

33.10 35.15

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

REMARKS:

No. 2515 Key Date Aug 15 1890

Tanner Machine. - Reel.

Turns 06 Cor. + 3 Depth 103 fms

Shot or lead 28 lbs

Bottom sp. gn M

Bottom temperature 40.3°

No. of Thermometer 63902 Cor. -

Corrected temperature 40.3

Air 49° Surface 50° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9 58 20	58 40	0		
9 56 20	9 56 21	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.

HEIGH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
750				
800				
900				
1000				

REMARKS.



No. 2516 Date Aug 18 1885

Machine. Reel.

Turns Cor. + 1 Depth 62 fms

Shot or lead 22 lbs

Bottom M. S. M.

Bottom temperature did not register

No. of Thermometer 6392 Cor.

Corrected temperature

Air 49° Surface 50° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

10 30.25 26.50 0

26.10 14.26.22 100

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. 25-17 Date Aug. 1880  
 Machine. Reel

Turns 50 Cor. 1 Depth 51 fms

Shot or lead 28 lbs.

Bottom

Bottom temperature 43.1

No. of Thermometer 65912 Cor. - 0.1

Corrected temperature 43.0

Air 49.0 Surface 48 Drift.

Trawl or dredge or tangles

Peak hauler 10 m. dtd. 11.00  
 In at 11.15  
 Collected. 11.20

SOUNDING WIRE.

DOWN. UP.

TURNS.

DREDGE ROPE.

DOWN. UP.

07.00 50.30

07.40 10.27.00

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 THERM.	TIME.	DUR. TERM.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

567  
13

No. 2018 Date Aug 26 1890

Machine - Reel.

Turns 57 Cor. + 1 Depth 58

Shot or lead 35 lbs

Bottom Sand & shells

Bottom temperature 51.0 at 58 fms

No. of Thermometer 5192 Cor. -

Corrected temperature -

Air 49.0 Surface 58.0 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5:27:30	5:32:00	0		
5:30:00	5:35:00	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. 2519 *Albatross* Date August 16<sup>th</sup> 1881

Machine. - Reel.

Turns 68 Cor. 1 Depth 119

Shot or lead 28 lbs.

Bottom S.

Bottom temperature 40.5

No. of Thermometer 63912 Cor. -

Corrected temperature 40.5

Air 49 Surface 50 Drift.

Trawl or dredge or tangles

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

12 21.00 12. 26.25

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.
10				
20				
30				
40				
50				
60				
70				
80				
90				
100				

REMARKS.



1707  
DPT.

No. 2520 Hg<sup>a</sup>. Date August 15<sup>th</sup> 1892.  
Sigsbee Machine. #2 Reel.

Turns 360 Cor. - 34 Depth 394 fms.

Shot or lead 38 lbs.

Bottom gn. M.

Bottom temperature 38.2

No. of Thermometer 52732 Cor. -

Corrected temperature 38.2

Air 51° Surface 52° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1. 08. 00	1. 18. 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.
75				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS,

1007

No. 3319 <sup>L.I.</sup> Date August 18<sup>th</sup> 1890.  
 Tanner Machine. - Reel.

Turns 58 Cor. + 1 Depth 59 fms

Shot or lead 28 lbs

Bottom bk. S.

Bottom temperature 40.5

No. of Thermometer 62912 Cor. -

Corrected temperature 40.5

Air 51 Surface 52 Drift 1/2 mi SSE

Trawl or dredge or tangles large beam

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1. 42.00	1. 46.00	0	1. 38.00	2. 50.00
		100	47.00	1. 53.00
		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 TEMPERATURE,

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

Net come up REMARKS. *badly torn*  
*Corals - large poroliths! Bryozoa*  
*Hydroids. Shrimps - shells*  
*Small fish, starfishes*  
*Portunus, Tides, Hermit Crabs.*  
*Small Crabs. Sponges*

*17.53*  
007

No. 3320 *D<sup>2</sup>* Date August 15<sup>th</sup> 1895.  
Tanner Machine. - Reel.

Turns 58 Cor. + 1 Depth 59 fms

Shot or lead 28 lbs

Bottom *fk L & Co.*

Bottom temperature 40.5

No. of Thermometer 63912 Cor. -

Corrected temperature 40.5

Air 51° Surface 52° Drift  $\frac{1}{2}$  mi S.E.

~~Trawl or dredge or tangles~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1.32.00	1.36.00	0	2.03.00	24.00
		100	2.08.00	2.20.00
		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 TEMPERATURE.

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

REMARKS.

fine s.  
hard to draw  
No fishes  
Coral.

047

No. 2521 Hy<sup>2</sup> Date August 15<sup>th</sup> 1890.

Sanner Machine. - Reel.

Turns 42 Cor. - 1 Depth 43 fms.

Shot or lead 28 lbs.

Bottom crs. bk. S.

Bottom temperature 42.5

No. of Thermometer 63912 Cor. -0.1

Corrected temperature 42.4

Air 50 Surface 50 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2.56.00	2.59.00	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		

10 Hand line on side at 3.00  
 In at 3.15  
 Caught 5 Crd fish.

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

Co. SERIAL TEMPERATURE Measurements

DEPTH	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	3	100 Miam	19 1/2	=
50	11	100 Miam	30	=
100	7 1/2	100 Miam	25 1/2	=
300				
300	3	Miam	2	Samples
400				
500				
600				
700				
800				
900				
1000				

REMARKS.



507  
 18.

No. *507* Date *August 15<sup>th</sup> 1890*  
*Tanner* Machine. - Reel.

Turns *53* Cor. *1* Depth *54 fms.*

Shot or lead *28 lbs.*

Bottom *Sh. M.*

Bottom temperature *41.5*

No. of Thermometer *63912* Cor. *-*

Corrected temperature *41.5*

Air *56* Surface *56* Drift. *-*

Trawl or dredge or tangles *Large Beaur*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>3.55.00</i>	<i>3.58.00</i>	0	<i>12 13 50</i>	<i>31.00</i>
		100	<i>15 20</i>	<i>25.10</i>
		200	<i>19 30</i>	<i>23.55</i>
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*10 Hand Reel crew at 7.40  
 on at 7.40  
 Catch - 1 specimen*

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

SERIAL TEMPERATURE.

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

REMARKS.

~~Large quantity of shells~~  
 Large Horn shells, shells  
 Red Rock fish  
 Opheiodon starfish  
 Ben. sponges

No. 2522 Date Aug 15<sup>th</sup> 1891  
 Sigsbee Machine. Reel.

Turns 72 Cor. 0 Depth 32 fms

Shot or lead 28 lb

Bottom M.S.

Bottom temperature 44.0

No. of Thermometer 63912 Cor. -0.1

Corrected temperature 43.9

Air 51 Surface 50 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5 P. 50	5 A. 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. 25234 Date Aug 11 1886

Tanner Machine. - Reel.

Turns 37 Cor. + 0 Depth 37 fms

Shot or lead 29 lbs

Bottom bk. S

Bottom temperature 43.4

No. of Thermometer 63912 Cor. -0.1

Corrected temperature 42.9

Air 51° Surface 50° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

12.00

5 51 50

52 50

0

57 30

55 31

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Put over 9 fathoms of shot with 51 52  
 Run at 6.15  
 Catch. 10.15

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

SERIAL TEMPERATURE.

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

REMARKS.

No. 5322<sup>00</sup> Date May 18<sup>th</sup> 1898

Tanner Machine. Reel.

Turns 33<sup>5</sup> Cor. 1 0 Depth 35 fms

Shot or lead 25 lbs

Bottom bk s

Bottom temperature 42.5

No. of Thermometer 63912 Cor. -0.1

Corrected temperature 42.4

Air 57° Surface 50° Drift. S 1/2 W 1/2 mi

Trawl or dredge or tangles Range Reamer

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
6-5-25	6-46-00	0	6-58-40	17-15
		100	7-04-00	7-14-00
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Part 8 soundings over 1100 wire at 6.46  
Start 6.51  
End 7.14

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				

Many scallops

REMARKS

Rock Cod Sculpin & fish,  
 Tommox 5 birds,  
 Mountain Quail, Goshawk,  
 Sparrows & birds, Banked Hawk  
 Hair Horn Creeper, 100 birds,  
 Kingbirds, 1 Large Catfish,  
 Sheepshead 100 fish



1758  
507

No. 2524 Hyd Date August 18<sup>th</sup> 1890.  
Tanner Machine. - Reel.

Turns 43 Cor. + 1 Depth 44 fms.

Shot or lead 28 lbs.

Bottom H.S.

Bottom temperature 41.5

No. of Thermometer 63912 Cor. -

Corrected temperature 41.5

Air 50' Surface 50' Drift. -

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8.00.00	8.04.00	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.	FATH.	NO. OF THER.	DIR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

1892

No. 2525 *Hyd* - Date August 18<sup>th</sup> - 1892  
Tanner Machine. - Reel.

Turns 133 Cor. + 3 Depth 136 fms.

Shot or lead 28 lbs.

Bottom *fk. s. fm.*

Bottom temperature 39.5

No. of Thermometer 63912 Cor. -

Corrected temperature 39.5

Air 45° Surface 47° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8.45.00	8.45.00	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.	FATH.	NO. OF THER.	COR.	COR. TEMP.
15				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

1562

No. 2526 Hy<sup>g</sup> Date August 18<sup>th</sup> 1890.  
 Sigsbee Machine #2 Reel

Turns 480 Cor. + 44 Depth 524 fms.

Shot or lead 38 lbs.

Bottom gn M.

Bottom temperature 37.2

No. of Thermometer 63912 Cor. -

Corrected temperature 37.2

Air 47° Surface 47° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11.01.00	11.17.00	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  
5210  
No. 2527 Hyd. Date August 19<sup>th</sup> 1891

Sigsbee Machine. Reel.

Turns 242 Cor. 5 Depth 247 fms

Shot or lead 25 lbs

Bottom gn M

Bottom temperature 38.5

No. of Thermometer 61912 Cor. -

Corrected temperature 38.5

Air 45° Surface 43° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

10.30

12.50

0

11.40

16.20

100

12.55

14.55

200

13.20

5-14.10

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. 2528 *Key* Date August 19<sup>th</sup> 1891  
*Ames* Machine, Reel.

Turns 48 Cor. + 1 Depth 49 fms

Shot or lead 28 lbs

Bottom bk s + M

Bottom temperature 41.5

No. of Thermometer 63912 Cor. -

Corrected temperature 41.5

Air 45° Surface 45° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5-42-20	4-2-50	0		
4-10	5-41-15	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Part 7 hauls from stbd side of 5-40-18  
 Saw net 5-5-8  
 Watch 876-18-18  
 2 bottles

28 m  
 30 ft m  
 8 1/2 m  
 10 "

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

Net Measurements -  
SERIAL-TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	7.45	112 670	32	7.13
50	7.10	8 "	27	"
100	6.75	112 "	27	"
200				
300	4.75	3 Trawl		
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

1880

1881

1882

1883

1884

1885