

N^o-9.

Feb'y 12th 1889

March 20th 1889.

D^r 2981 to 3010.

H^yd 1762 to 1830.

Abb.	Meaning	Abb.	Meaning
cl	clay	bk	black
ls	lsal	br	brown
For	Foraminifera	bu	blue
G	Gravel	choc	chocolate
Glob	Globigerina	dk	dark
M.	Mud	gn	green
Oz	Ooze	gy	gray
P.	Pebbles	lt	light
Pter	Pteropods	rd	red
R.	Rock	slat	slate
S.	Sand	wh	white
Sh.	Shells	yl	yellow
Sp.	Specks		
St.	Stones		
brk	broken		
co.	coarse		
fine	fine		
hd	hard		
lge	large		
stky	sticky		
oft	soft		
sm	small		
str	sticky		
stf	stiff		

Name	Department
1001	1001
1002	1002
1003	1003
1004	1004
1005	1005
1006	1006
1007	1007
1008	1008
1009	1009
1010	1010
1011	1011
1012	1012
1013	1013
1014	1014
1015	1015
1016	1016
1017	1017
1018	1018
1019	1019
1020	1020

No. *1762* Date *Feb. 12 1889**Tanner* Machine. Reel.Turns *38* Cor. *1 2* Depth *40*Shot or lead *25 lbs*Bottom *brk. Sh.*Bottom temperature *57*No. of Thermometer *61588* Cor. *± 0*Corrected temperature *57*Air *62* Surface *60* Drift.~~Trawl or dredge or tangles~~

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

PM. 10. 06. 00 07. 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.	SOL. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *2981* Date *February 11/99*
 Machine. Reel.
 Turns *43* Cor. *4* Depth *47*
 Shot or lead *35 lbs*
 Bottom *Co gy S & bk. Sh.*
 Bottom temperature *24.1*
 No. of Thermometer *1111* Cor. *-*
 Corrected temperature *24.1*
 Air *61* Surface *57* Drift *1 mi 35 s*
 Trawl or dredge or tangles *James Bean*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

*6-10-4**0**6-10-4 3.15**100**6-10-4 3.29.30**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
2950
3000
3050
3100
3150
3200
3250
3300
3350
3400
3450
3500
3550
3600
3650
3700
3750
3800
3850
3900
3950
4000

SERIAL TEMPERATURE.

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

REMARKS

No.

Date _____

Machine.

Recd.

Turns

Cor.

Dentle

Shot or lead

Bottom.

Bottom temperature

No. of Thermometer

Cor. 1. 0

Corrected temperature

Air

Surface

Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1. 7. 11		0		
6. 39. 0	6. 41. 0	100		
6. 49. 30		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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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.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Banner Machine. Reel.

Shot or lead 25 lbs

Bottom

Bottom temperature

No. of Thermometer	Cor.
1	0.00
2	0.00
3	0.00
4	0.00
5	0.00
6	0.00
7	0.00
8	0.00
9	0.00
10	0.00
11	0.00
12	0.00
13	0.00
14	0.00
15	0.00
16	0.00
17	0.00
18	0.00
19	0.00
20	0.00
21	0.00
22	0.00
23	0.00
24	0.00
25	0.00
26	0.00
27	0.00
28	0.00
29	0.00
30	0.00
31	0.00
32	0.00
33	0.00
34	0.00
35	0.00
36	0.00
37	0.00
38	0.00
39	0.00
40	0.00
41	0.00
42	0.00
43	0.00
44	0.00
45	0.00
46	0.00
47	0.00
48	0.00
49	0.00
50	0.00
51	0.00
52	0.00
53	0.00
54	0.00
55	0.00
56	0.00
57	0.00
58	0.00
59	0.00
60	0.00
61	0.00
62	0.00
63	0.00
64	0.00
65	0.00
66	0.00
67	0.00
68	0.00
69	0.00
70	0.00
71	0.00
72	0.00
73	0.00
74	0.00
75	0.00
76	0.00
77	0.00
78	0.00
79	0.00
80	0.00
81	0.00
82	0.00
83	0.00
84	0.00
85	0.00
86	0.00
87	0.00
88	0.00
89	0.00
90	0.00
91	0.00
92	0.00
93	0.00
94	0.00
95	0.00
96	0.00
97	0.00
98	0.00
99	0.00
100	0.00

Corrected temperature

Air Surface of Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2 M.		0		
7-25-a		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.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 1765-Hya Date Feb 13th 1881

Page	Machine.	Reel.
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
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32		
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37		
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78		
79		
80		
81		
82		
83		
84		
85		
86		
87		
88		
89		
90		
91		
92		
93		
94		
95		
96		
97		
98		
99		
100		

Turns 20 Cor. + 1 Depth 21

Shot or Lead 25 lbs

Bottom $\mathcal{L}_n$

Bottom temperature 22.0 m

No. of Thermometer	From	Cor.
1	1871	0.1
2	1872	0.2
3	1873	0.3
4	1874	0.4
5	1875	0.5
6	1876	0.6
7	1877	0.7
8	1878	0.8
9	1879	0.9
10	1880	1.0
11	1881	1.1
12	1882	1.2
13	1883	1.3
14	1884	1.4
15	1885	1.5
16	1886	1.6
17	1887	1.7
18	1888	1.8
19	1889	1.9
20	1890	2.0
21	1891	2.1
22	1892	2.2
23	1893	2.3
24	1894	2.4
25	1895	2.5
26	1896	2.6
27	1897	2.7
28	1898	2.8
29	1899	2.9
30	1900	3.0
31	1901	3.1
32	1902	3.2
33	1903	3.3
34	1904	3.4
35	1905	3.5
36	1906	3.6
37	1907	3.7
38	1908	3.8
39	1909	3.9
40	1910	4.0
41	1911	4.1
42	1912	4.2
43	1913	4.3
44	1914	4.4
45	1915	4.5
46	1916	4.6
47	1917	4.7
48	1918	4.8
49	1919	4.9
50	1920	5.0
51	1921	5.1
52	1922	5.2
53	1923	5.3
54	1924	5.4
55	1925	5.5
56	1926	5.6
57	1927	5.7
58	1928	5.8
59	1929	5.9
60	1930	6.0
61	1931	6.1
62	1932	6.2
63	1933	6.3
64	1934	6.4
65	1935	6.5
66	1936	6.6
67	1937	6.7
68	1938	6.8
69	1939	6.9
70	1940	7.0
71	1941	7.1
72	1942	7.2
73	1943	7.3
74	1944	7.4
75	1945	7.5
76	1946	7.6
77	1947	7.7
78	1948	7.8
79	1949	7.9
80	1950	8.0
81	1951	8.1
82	1952	8.2
83	1953	8.3
84	1954	8.4
85	1955	8.5
86	1956	8.6
87	1957	8.7
88	1958	8.8
89	1959	8.9
90	1960	9.0
91	1961	9.1
92	1962	9.2
93	1963	9.3
94	1964	9.4
95	1965	9.5
96	1966	9.6
97	1967	9.7
98	1968	9.8
99	1969	9.9
100	1970	10.0

Corrected temperature *True*

Air 60 Surface 58 Drift,

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
A.M.				
8.25.30	8.25.00	0		
8.26.00	8.26.30	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2900	
	2920	
	2940	
	2960	
	2980	
	3000	
	3020	
	3040	
	3060	
	3080	
	3100	
	3120	
	3140	
	3160	
	3180	
	3200	
	3220	
	3240	
	3260	
	3280	
	3300	
	3320	
	3340	
	3360	
	3380	
	3400	
	3420	
	3440	
	3460	
	3480	
	3500	
	3520	
	3540	
	3560	
	3580	
	3600	
	3620	
	3640	
	3660	
	3680	
	3700	
	3720	
	3740	
	3760	
	3780	
	3800	
	3820	
	3840	
	3860	
	3880	
	3900	
	3920	
	3940	
	3960	
	3980	
	4000	
	4020	
	4040	
	4060	
	4080	
	4100	
	4120	
	4140	
	4160	
	4180	
	4200	
	4220	
	4240	
	4260	
	4280	
	4300	
	4320	
	4340	
	4360	
	4380	
	4400	
	4420	
	4440	
	4460	
	4480	
	4500	
	4520	
	4540	
	4560	
	4580	
	4600	
	4620	
	4640	
	4660	
	4680	
	4700	
	4720	
	4740	
	4760	
	4780	
	4800	
	4820	
	4840	
	4860	
	4880	
	4900	
	4920	
	4940	
	4960	
	4980	
	5000	
	5020	
	5040	
	5060	
	5080	
	5100	
	5120	
	5140	
	5160	
	5180	
	5200	
	5220	
	5240	
	5260	
	5280	
	5300	
	5320	
	5340	
	5360	
	5380	
	5400	
	5420	
	5440	
	5460	
	5480	
	5500	
	5520	
	5540	
	5560	
	5580	
	5600	
	5620	
	5640	
	5660	
	5680	
	5700	
	5720	
	5740	
	5760	
	5780	
	5800	
	5820	
	5840	
	5860	
	5880	
	5900	
	5920	
	5940	
	5960	
	5980	
	6000	
	6020	
	6040	
	6060	
	6080	
	6100	
	6120	
	6140	
	6160	
	6180	
	6200	
	6220	
	6240	
	6260	
	6280	
	6300	
	6320	
	6340	
	6360	
	6380	
	6400	
	6420	
	6440	
	6460	
	6480	
	6500	
	6520	
	6540	
	6560	
	6580	
	6600	
	6620	
	6640	
	6660	
	6680	
	6700	
	6720	
	6740	
	6760	
	6780	
	6800	
	6820	
	6840	
	6860	
	6880	
	6900	
	6920	
	6940	
	6960	
	6980	
	7000	
	7020	
	7040	
	7060	
	7080	
	7100	
	7120	
	7140	
	7160	
	7180	
	7200	
	7220	
	7240	
	7260	
	7280	
	7300	
	7320	
	7340	
	7360	
	7380	
	7400	
	7420	
	7440	
	7460	
	7480	
	7500	
	7520	
	7540	
	7560	
	7580	
	7600	
	7620	
	7640	
	7660	
	7680	
	7700	
	7720	
	7740	
	7760	
	7780	
	7800	
	7820	
	7840	
	7860	
	7880	
	7900	
	7920	
	7940	
	7960	
	7980	
	8000	
	8020	
	8040	
	8060	
	8080	
	8100	
	8120	
	8140	
	8160	
	8180	
	8200	
	8220	
	8240	
	8260	
	8280	
	8300	
	8320	
	8340	
	8360	
	8380	
	8400	
	8420	
	8440	
	8460	
	8480	
	8500	
	8520	
	8540	
	8560	
	8580	
	8600	
	8620	
	8640	
	8660	
	8680	
	8700	
	8720	
	8740	
	8760	
	8780	
	8800	
	8820	
	8840	
	8860	
	8880	
	8900	
	8920	
	8940	
	8960	
	8980	
	9000	
	9020	
	9040	
	9060	
	9080	
	9100	
	9120	
	9140	
	9160	
	9180	
	9200	
	9220	
	9240	
	9260	
	9280	
	9300	
	9320	
	9340	
	9360	
	9380	
	9400	
	9420	
	9440	
	9460	
	9480	
	9500	
	9520	
	9540	
	9560	
	9580	
	9600	
	9620	
	9640	
	9660	
	9680	
	9700	
	9720	
	9740	
	9760	
	9780	
	9800	
	9820	
	9840	
	9860	
	9880	
	9900	
	9920	
	9940	
	9960	
	9980	
	10000	

SERIAL TEMPERATURE

DEPTH.	TEMP.	NO. OF THERM.	COR.	COR. TEMP.
20				
30				
40				
50				
60				
70				
80				
90				
100				
110				
120				
130				
140				
150				
160				
170				
180				
190				
200				
210				
220				
230				
240				
250				
260				
270				
280				
290				
300				
310				
320				
330				
340				
350				
360				
370				
380				
390				
400				
410				
420				
430				
440				
450				
460				
470				
480				
490				
500				
510				
520				
530				
540				
550				
560				
570				
580				
590				
600				
610				
620				
630				
640				
650				
660				
670				
680				
690				
700				
710				
720				
730				
740				
750				
760				
770				
780				
790				
800				
810				
820				
830				
840				
850				
860				
870				
880				
890				
900				
910				
920				
930				
940				
950				
960				
970				
980				
990				
1000				

REMARKS

No. 1766 H3A Date *February 13th 1899*

Machine, Reel.

Turns Cor. *1100* Depth *220*

Shot or lead *8 lb*

Bottom

Bottom temperature *22.0*

No. of Thermometer *7201* Cor.

Corrected temperature *21.0*

Air *60* Surface *57* Drift.

Trawl or dredge or tangles

SOUNDING WIRE

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0.772
8.45.02

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

Time 20 minutes

*Reel with handles & line out.
Reel III
Bottom
Bottom
For No. III
91 line out*

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

SERIAL TEMPERATURE.

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

REMARKS

No. 1767 Hya Date February 12 1889

Sigsbee Machine. Reel.

Turns 65 Cor. + 6 Depth 71

Shot or lead 35 lb

Bottom bot. Co.

Bottom temperature 51.4

No. of Thermometer 61588 Cor. ± 0

Corrected temperature 51.4

Air 60 Surface 57 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

9.49.30 9.25.00
9.50.00 9.57.30

TURNS.

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

DREDGE ROPE.

DOWN.

UP.

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

SUBIAL TEMPERATURE.

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

REMARKS

17.12.12
507

No. 1768 H₂O Date February 13th 1913

Sigsbee Machine. Reel.

Turns 608 Cor. + 44 Depth 644

Shot or lead 35 lb

Bottom gy S.

Bottom temperature 39.5

No. of Thermometer 61588 Cor. + 0

Corrected temperature 39.5

Air 62 Surface 58 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.	UP.
10.35.00	10.55.40
10.37.00	10.54.30
10.38.40	10.53.30
10.41.30	10.52.10
10.43.00	10.51.00
10.44.00	10.49.50
10.45.00	10.48.00

TURNS.

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

DREDGE ROPE.

DOWN. UP.

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

SERIAL TEMPERATURE.

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

REMARKS:

No. 2982 Date Feb 13th 1901

Sigsbee Machine. Reel.

Turns 164 Cor. 14 Depth 178

Shot or lead 35

Bottom S. M. G.

Bottom temperature 46.7

No. of Thermometer 61588 Cor. 1.0

Corrected temperature 46.7

Air 63 Surface 58 Drift. 4 1/2 m.

Trawl or dredge or tangles Large beam

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
A.M. DOWN.	UP.		A.M.	P.M.
11.40.00	11.45.30	0	11.47.00	25. 05
11.41.00	11.44.30	100	11.52.30	22. 15
11.42.00	11.43.00	200	11.57.30	19. 20
		300	12.02.00	16. 40
		350		
		400	12.01.25	12. 15 00
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE

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

REMARKS.

Smith

No. *1769* Hyd. Date *Feb. 14th 1889*

Sigsbee Machine. *2* Reel.

Turns *171* Cor. *14* Depth *185*

~~Shot or lead~~ *55 lb*

Bottom *fine bk & whs.*

Bottom temperature *46.*

No. of Thermometer *61588* Cor. *± 0*

Corrected temperature *46*

Air *55* Surface *56* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

AM
6. 30.00 6. 37.20
6. 31.00 6. 36.10
6. 32.00 6. 35.20

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

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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. 1770 Hyd. Date Feb 14. 1889

Sigsbee Machine. Reel, 2

Turns 670 Cor. + 48 Depth 718

Shot or lead 35 lbs

Bottom gy. M.

Bottom temperature 39.4

No. of Thermometer 61588 Cor. = 0

Corrected temperature 39.4

Air 55 Surface 56 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7. 20.00	7. 37.00	0		
7. 21.30	7. 35.30	100		
7. 22.30	7. 34.00	200		
7. 23.30	7. 32.30	300		
7. 25.00	7. 34.00	400		
7. 26.30	7. 32.30	500		
7. 27.30	7. 32.30	600		
7. 28.40	7. 31.30	700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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SERIAL TEMPERATURE.

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

REMARKS.

No. 10771

Date February 14/99

Machine. Sigsbee

Reel. #2

Turns 512

Cor. + 34

Depth 551

Shot or lead 35 lbs.

Bottom gy. sh.

Bottom temperature 40

No. of Thermometer 61588

Cor. ± 0

Corrected temperature 40

Air 56

Surface 59

Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

21-30

31-0

0

22-30

32-0

100

24-30

34-0

200

26-30

36-0

300

28-30

38-0

400

30-30

40-28-0

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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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.

173.

No. 1772

Date Feb. 26th 1889

Sigsbee Machine. & Reel.

Turns 70 Cor. 6 Depth 76

Shot or lead 36 lbs.

Bottom gy S. S.

Bottom temperature 52.8

No. of Thermometer 61588 Cor. + 0

Corrected temperature 52.8

Air 61 Surface 60 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

P.M.

4. 03. 50

06.55

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

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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

Law 313

No. 16 1772 Date Feb 26th 1889.

Eng. ver. Machine. 2 Reel.

Turns 686 Cor. + 45 Depth 735-

Shot or lead 38 lbs

Bottom *etc.* *He*

Bottom temperature 35

No. of Thermometer 61588 Cor. $\pm .2$

Corrected temperature 38

Air 61 Surface 60 Drift.

Trawl or dredge or tanglea

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
P.M. 43. 40	5. 42. 10	0		
44. 30	4. 39. 20	100		
45. 30	4. 38. 30	200		
46. 35	4. 35. 5	300		
47. 45	4. 32	400		
49. 00	4. 30	500		
50. 10	4. 30	600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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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.
75				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *16* 1774 Date *Feb. 26* 1889*Sigsbee* Machine. 2 Reel.

Turns 721 Cor. 52 Depth 773

Shot or lead 35 lbs

Bottom gy M.

Bottom temperature 37.8

No. of Thermometer 61588 Cor. 50

Corrected temperature 37.8

Air 63 Surface 59 Drift.

Trawl or dredge or trawls

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

P.M. 6. 15. 50

32.20

0

17. 20

31.30

100

18. 20

30.55

200

19. 20

30.10

300

20. 40

29.25

400

21. 45

28.40

500

22. 50

27.45

600

24. 15

26.40

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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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				
99				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 177543 Date Feb 26 1885
 Machine. Reel. 2
 Turns 748 Cor. 55 Depth 801
 Shot or Lead 35 lb
 Bottom gy. O.
 Bottom temperature 37.5
 No. of Thermometer 61588 Cor. -0
 Corrected temperature 37.5
 Air 61 Surface 59 Drift.
 Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

8.30.00	8.42.20
8.31.00	8.40.00
8.32.00	8.42.00
8.33.00	8.44.00
8.34.00	8.43.00
8.35.00	8.44.00
8.36.00	8.46.00
8.37.00	8.48.00
8.38.00	8.39.00

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

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

SERIAL TEMPERATURE

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

REMARKS

No. 1776 Date Feb 26th 1889

Sigsbee Machine. Reel. 2

Turns 750 Cor. + 53 Depth 803

Shot or lead 35 lb

Bottom gy. M.

Bottom temperature 37.5

No. of Thermometer 61588 Cor. + 0

Corrected temperature 37.5

Air 60 Surface 69 Drift.

Trawl or dredge or tangles

SOUNDING WIRE		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11.18.00	11.36	0		
11.19.00	11.35	100		
11.20.00	11.34.00	200		
11.21.00	11.33.	300		
11.22.00	11.32.00	400		
11.23.00	11.31.00	500		
11.24.00	11.29.30	600		
11.25.00	11.28.30	700		
11.25.30	11.28.00	800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

No. *1477* Date *February 27/89.*
Ciphes Machine. Reel. *#2*

Turns *800* Cor. *+ 57* Depth *853*

Shot or lead *35 lb*

Bottom *gy. m.*

Bottom temperature *37.5*

No. of Thermometer *61588* Cor. *±0*

Corrected temperature *37.5*

Air *60* Surface *60* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

2-16-30 3-01-0

38-30 4-30

40-0 1

41-0 3-0-0

42-0 34

43-0 58

45-0 57

46-0 56

47-30 2-55-30

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

3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900
5000

SERIAL TEMPERATURE.

DEPTH.	TIME.	NO. OF THER.	COR.	TRUE TEMP.
25				
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				
2500				
2600				
2700				
2800				
2900				
3000				
3100				
3200				
3300				
3400				
3500				
3600				
3700				
3800				
3900				
4000				
4100				
4200				
4300				
4400				
4500				
4600				
4700				
4800				
4900				
5000				

REMARKS.

No. 1778

Date

Feb. 27th 1889

Sigsbee Machine, 2 Reel.

Turns 1418 Cor. + 94 Depth 1512

Shot or lead 35 lbs.

Bottom choc. Gy.

Bottom temperature 35.3

No. of Thermometer 61588 Cor. ± 0

Corrected temperature 35.3

Air 61 Surface 60 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

7. 39. 30	09. 50	0		
40. 25	09. 10	100		
41. 20	08. 35	200		
42. 25	08. 00	300		
43. 30	07. 20	400		
44. 40	06. 40	500		
45. 50	05. 55	600		
47. 05	05. 10	700		
48. 20	04. 30	800		
49. 40	03. 40	900		
51. 00	02. 50	1000		
52. 20	01. 50	1100		
53. 40	00. 55	1200		
55. 10	59. 55	1300		
56. 50	58. 30	1400		

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Put back clock 4 min
when sounding.

	3500	
	3600	
	3700	
	3800	
	3900	
	4000	
5-4	4100	
	4200	
	4300	
	4400	
	4500	
	4600	
	4700	
	4800	
	4900	

SERIAL TEMPERATURE.

DEPTH.	TIME.	NO. OF DEPT.	DIR.	Dir. Temp.
15				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 1779 Date February 31st 1889

Machine. Reel.

Turns 1672 Cor. + 104 Depth 1776

Shot or Lead 35 lbs

Bottom Br. M.

Bottom temperature 25.5

No. of Thermometer 61588 Cor. + 0

Corrected temperature 30.5

Air 60 Surface 60 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

11. 8.00	11.40.30	0
11. 9.00	11.39.30	100
11.10.00	11.39.00	200
11.10.30	11.38.30	300
11.11.00	11.38.00	400
11.12.00	11.37.10	500
11.13.30	11.36.40	600
11.14.50	11.36.00	700
11.15.30	11.35.30	800
11.16.00	11.35.00	900
11.17.00	11.34.30	1000
11.18.00	11.34.00	1100
11.19.00	11.33.50	1200
11.20.00	11.31.30	1300
11.21.00	11.30.00	1400
11.22.00	11.29.00	1500
11.23.00	11.27.00	1600
11.23.30	11.26.00	1700
		1800
		1900
		2000
		2100
		2200
		2300
		2400

1-3

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.

1780

Date

February 27/19

Sigsbee

Machine.

Reel.

2.

Turns 1750

Cor.

+ 107

Depth

1857

Shot or Lead

35 lbs.

Bottom

Br. M.

Bottom temperature

35.2

No. of Thermometer

61518

Cor.

±0

Corrected temperature

35.2

Air

62

Surface

62

Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

1-41-20

2-21-30

0

43-0

20-30

100

44-0

19-30

200

45-0

18-30

300

46-0

17-30

400

47-0

16-30

500

49-30

15-30

600

50-30

14-30

700

51-30

13-30

800

52-30

12-30

900

53-30

11-30

1000

54-30

10-30

1100

55-30

9-30

1200

57-0

8-30

1300

58-0

7-30

1400

59-30

6-30

1500

2-0-30

5-30

1600

1-30

4-30

1700

2-30

2-4-0

1750

1800

1900

2000

2100

2200

2300

2400

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

SERIAL TEMPERATURE

DEPTH	TEMP	SIN. OF TEMP.	COR.	COR. TEMP.
25				
30				
40				
50				
60				
70				
80				
90				
100				
110				
120				
130				
140				
150				

REMARKS

1000 *Smith*

No. *1781* Date *Feb. 27 1889*

Superior Machine. *2* Reel.

Turns *1336* Cor. *1 88* Depth *1424*

Shot ~~on land~~ *35 lbs.*

Bottom *gy. M. S.*

Bottom temperature *35.4*

No. of Thermometer *61568* Cor. *1.0*

Corrected temperature *35.4*

Air *64* Surface *62* Drift.

~~Trawl or dredge on tangles~~

SOUNDING WIRE.			TURNS.	DREDGE ROPE.	
<i>Time</i>	DOWN.	UP.		DOWN.	UP.
<i>5.</i>	<i>14.30</i>	<i>44.35</i>	<i>0</i>		
	<i>15.30</i>	<i>43.50</i>	<i>100</i>		
	<i>17.05</i>	<i>43.15</i>	<i>200</i>		
	<i>18.10</i>	<i>42.40</i>	<i>300</i>		
	<i>19.30</i>	<i>42.00</i>	<i>400</i>		
	<i>20.35</i>	<i>41.15</i>	<i>500</i>		
	<i>21.45</i>	<i>40.30</i>	<i>600</i>		
	<i>23.00</i>	<i>39.45</i>	<i>700</i>		
	<i>24.20</i>	<i>39.10</i>	<i>800</i>		
	<i>25.45</i>	<i>38.05</i>	<i>900</i>		
	<i>27.10</i>	<i>37.15</i>	<i>1000</i>		
	<i>28.40</i>	<i>36.20</i>	<i>1100</i>		
	<i>30.10</i>	<i>35.25</i>	<i>1200</i>		
	<i>31.45</i>	<i>34.25</i>	<i>1300</i>		
			<i>1400</i>		
			<i>1500</i>		
			<i>1600</i>		
			<i>1700</i>		
			<i>1800</i>		
			<i>1900</i>		
			<i>2000</i>		
			<i>2100</i>		
			<i>2200</i>		
			<i>2300</i>		
			<i>2400</i>		

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

SERIAL TEMPERATURE.

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

REMARKS.

No. 16 1782 Date Feb. 27 1889

Sigsbee Machine. 2 Reel.

Turns 1358 Cor. 187 Depth 1447

Shot or lead 35 lbs

Bottom gy. S.

Bottom temperature 35.5

No. of Thermometer 61588 Cor. 0.0

Corrected temperature 35.5

Air 63 Surface 61 Drift.

Trawl or dredge or tangles

SOUNDING WIRE

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

6.50.40 21.05 0

52.00 20.25 100

53.10 19.40 200

54.25 19.00 300

55.40 18.20 400

57.00 17.40 500

58.20 16.45 600

59.35 15.55 700

7.00.50 15.05 800

02.15 14.10 900

03.30 13.10 1000

04.50 12.15 1100

06.05 11.15 1200

07.30 10.20 1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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

SERIAL TEMPERATURE

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

REMARKS.

Wm. H. S. 1889

No. 1743 Hya. Date *Feb 28 1889*

Sanner Machine. Reel.

Turns 28 Cor. 1 1 Depth 29

Shot or Lead 25 lb

Bottom gy Sbk Sh.

Bottom temperature none

No. of Thermometer 61588 Cor. 1.0

Corrected temperature none

Air 61 Surface 61 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

W. H. S. DOWN.

UP.

1000.

DREDGE ROPE.

DOWN.

UP.

7.05

7.6.16

7.5.34

7.5.53

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

*10 fathoms
Bottom water from 10 fms. 6 fms. 5 fms.
No fish*

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SERIAL TEMPERATURE.

BOTTLE.	TEMP.	NO. OF TUBES.	COR.	COR. TEMP.
15				
30				
45				
60				
75				
90				
105				
120				
135				
150				
165				
180				
195				
210				

REMARKS.

W. H. L.

No. 1784 Hgt. Date Feb 28th 1889

Tanner Machine. Reel.

Turns 40 Cor. 2 Depth 42

Shot or lead 25-5

Bottom G. S. S.

Bottom temperature 39

No. of Thermometer 61588 Cor. 0

Corrected temperature 38

Air 61 Surface 61 Drift.

Trawl or dredge or tangles

SOUNDING WIRE

DOWN.

UP.

TURNS

DREDGE ROPE.

DOWN.

UP.

C. H.

7.41.30

7.43.30

7.42.00

7.42.20

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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

SERIAL TEMPERATURE.

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

REMARKS.

No. 1785

Date Feb. 28

Hand lead

Machine.

Reel.

Turns

Cor.

Depth

19 1/2

Shot or lead

Bottom

gy. S.

Bottom temperature

No. of Thermometer

Corrected temperature

} Air Cor.

Air

Surface

Drift.

Trawl or dredge or trawls

SOUNDING WIRE.

DOWN.

UP.

DOWN.

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



SPOTIAL TEMPERATURE

DEPTH	TEMP.	NO. OF THER.	TIME	WIND - DIRECTION
10				
20				
30				
40				
50				
60				
70				
80				
90				
100				
110				
120				
130				
140				
150				
160				
170				
180				
190				
200				
210				
220				
230				
240				
250				
260				
270				
280				
290				
300				
310				
320				
330				
340				
350				
360				
370				
380				
390				
400				
410				
420				
430				
440				
450				
460				
470				
480				
490				
500				
510				
520				
530				
540				
550				
560				
570				
580				
590				
600				
610				
620				
630				
640				
650				
660				
670				
680				
690				
700				
710				
720				
730				
740				
750				
760				
770				
780				
790				
800				
810				
820				
830				
840				
850				
860				
870				
880				
890				
900				
910				
920				
930				
940				
950				
960				
970				
980				
990				
1000				

REMARKS

No. 2983.

Date February 24/99

Machine. Sigsbee

Reel. 2

Turns 54

Cor. + 4

Depth 58.

Shot or lead 25 lb.

Bottom gy. s. & sh.

Bottom temperature 55.8

No. of Thermometer 5058

Cor. 0

Corrected temperature 55.8

Air 71

Surface 61

Drift. 3 mi. S.

Trawl or dredge or tangles

Unalut Beam

SOUNDING WIRE.

DOWN.

UP.

DREDGE ROPE.

DOWN.

UP.

11-11-30

11-12-0

0

11-12-30

11-13-0

100

21-11-0

11-12-0

200

36-0

11-37-30

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	(100)
	(500)
	(1000)
	(5000)
	(10000)
	(20000)
	(40000)
	(100000)
	(200000)
	(400000)
	(800000)
	(1000000)
	(2000000)
	(4000000)
	(8000000)
	(10000000)

SERIAL TEMPERATURE

TEMP.	TEMP.	TEMP. (1000000)	TEMP.	TEMP. (1000000)
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				
1100				
1200				
1300				
1400				
1500				
1600				
1700				
1800				
1900				
2000				

TEMPERATURE

Cor.

No.

2984

Date

February 20/19

Machine.

Reel.

Turns 109

Cor. + 4

Depth

113

Shot or lead

25 lbs

Bottom

gy S. bk. sh.

Bottom temperature

16.95

No. of Thermometer

61555

Cor. 5.0

Corrected temperature

20.8

Air

Surface

Drift

S. 4.2 mi

Trawl or dredge or tangles

Dredge Bottom

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

11-55-0

12-12

0

11-55-0

12-12

49-30

12-12 =

100

11-55-0

12-12

200

11-55-0

12-21.23

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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GRADES 7-12

GRADE	7-8	9-10	11-12	13-14	15-16
35					
30					
25					
20					
15					
10					
5					
0					
5					
10					
15					
20					
25					
30					
35					

APPENDIX

No.

2985

Date

February 25, 1899

Machine

Reel

Turns

Cor. +

Depth

36

Shot or lead

Hank Lead -

Bottom

Gr. S. B.

Bottom temperature

No. of Thermometer

Cor.

Corrected temperature

None

Air

66

Surface

65

Drift

1/2 m N E

Trawl or dredge or tangles

Sigsbee Beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

1-0-0

1-1-30

100

1-1-0

200

11-30

1-13-0

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

No.

2986

Date

February 28th 1889

Sigsbee

Machine. 2 Reel.

Turns 638

Cor. + 46

Depth 684

Shot or lead

36 lbs.

Bottom

fine gy. sh. bk. Sh. R.

Bottom temperature

36.5

No. of Thermometer

615-88

Cor. + 0

Corrected temperature

36.5

Air

64

Surface

64

Drift. 6 S.

Trawl or dredge or tangles

Large Beam.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

P.M.

1. 37. 30

51. 00

0

1. 53. 40

57. 00

38. 20

50. 10

100

52. 00

54. 00

39. 10

49. 30

200

2. 12. 30

51. 00

40. 15

48. 40

300

59. 20

48. 00

41. 30

47. 50

400

57. 30

45. 00

42. 35

46. 55

500

54. 30

41. 55

43. 40

45. 55

600

12. 50

38. 30

700

15. 10

35. 10

800

18. 40

31. 10

900

22. 30

28. 30

1000

26. 15

24. 30

1100

29. 20

21. 20

1200

32. 25

17. 40

1300

38. 00

13. 15

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

No. 2987 Date *Oct 28th 1889*

Sigsbee Machine. Reel. #2

Turns 158 Cor. 13 Depth 171

Shot or lead 38 lb

Bottom gy. S. bk. sh. & S.

Bottom temperature 46.3

No. of Thermometer 61588 Cor. +0

Corrected temperature 46.3

Air 65 Surface 63 Drift. S. 1/2 W. 1/4 mi

Trawl or dredge or tangles Small. Beam

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

P.M. DOWN.	UP.		P.M. DOWN.	UP.
4.31.00	4.31.26	0	4.38.00	5.24.34
4.32.00	4.36.30	100	4.42.00	5.26.10
4.33.00	4.35.00	200	4.50.00	5.18.00
		300	4.55.30	5.14.00
		400	5.00.00	5.11.00
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

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

REMARKS.

No. 1786 *Hydr* Date *Sept 28th 1889*

Sigsbee Machine. Reel. # *2*

Turns *1050* Cor. *71* Depth *1121*

Shot or lead *35 lb*

Bottom *gy M. & S.*

Bottom temperature *36*

No. of Thermometer *61588* Cor. ± 0

Corrected temperature *36*

Air *61* Surface *61* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>P.M.</i> 6.7.30	6.31.30	0		
6.8.40	6.30.30	100		
6.9.30	6.30.00	200		
6.10.30	6.29.30	300		
6.12.00	6.29.00	400		
6.13.00	6.28.30	500		
6.14.30	6.28.00	600		
6.16.00	6.27.00	700		
6.18.00	6.26.00	800		
6.19.30	6.25.00	900		
6.21.00	6.24.00	1000		
6.22.00	6.23.00	1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

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

REMARKS.

5711

No. 1787 *Hyac* Date *Sept 28 1889*

Sigsbee Machine. Reel.

Turns Cor. *4* Depth

Shot or lead

Bottom

Bottom temperature

No. of Thermometer *61588* Cor.

Corrected temperature

Air Surface Drift.

Trawl or dredge or tangles

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

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	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.

Date

Machine.

Reel.

Turns

Cor.

Depth

Shot or lead

Bottom

Bottom temperature

No. of Thermometer

Cor.

Corrected temperature

Air

Surface

Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

8-5-30

53-45

0

3-30

53-20

100

4-4-30

52-15

200

5-5-30

51-30

300

6-20

50-45

400

7-30

50-0

500

8-50

49-15

600

9-30

48-45

700

10-0-30

48-0

800

1-30

47-15

900

2-30

46-30

1000

3-30

45-45

1100

4-30

45-0

1200

5-30

44-15

1300

6-30

43-30

1400

7-30

42-45

1500

8-30

9-12-0

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. ~~No. 1788~~ Date *March 1st 1889**Sigsbee* Machine. *2* Reel.

Turns Cor. + Depth

Shot or lead *60 lbs.*

Bottom

Bottom temperature

No. of Thermometer *61581* Cor.

Corrected temperature

Air Surface Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

L. M.
*3 32.40**33.55*
*5.00**Explosion at 50 fms wire**Summit 105*9
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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2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE

SERIAL	TEMP.	NO. OF THER.	DATE	TIME
1	25			
2	30			
3	400			
4	400			
5	300			
6	400			
7	300			
8	600			
9	200			
10	500			
11	300			
12	1000			

REMARKS.

W 2014

No. 1788 H. M. Date Mar 1st 1889

Sigsbee Machine. Reel.

Turns 2021 Cor. + 114 Depth 2135

Shot or Lead 35 lbs

Bottom none

Bottom temperature none

No. of Thermometer 61588 Cor. bot.

Corrected temperature none

Air 60 Surface 62 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.	UP.
5.10.00	6.12.00
5.11.00	6.11.00
5.21.00	6.10.30
5.31.00	6.10.00
5.38.00	6.9.30
5.50.00	6.9.00
5.38.00	6.8.30
5.35.00	6.8.00
5.37.30	6.7.30
5.40.00	6.7.00
5.41.00	6.6.00
5.42.00	5.54.00
5.43.00	5.52.00
5.44.00	5.52.00
5.45.00	5.51.00
5.46.00	5.50.00
5.47.00	5.48.00
5.48.00	5.48.00
5.49.00	5.57.00
5.50.00	5.53.00
5.51.30	5.54.00
5.52.00	5.53.

TURNS.

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

DREDGE ROPE.

DOWN. UP.

Expanded on sounding rope

Expanded Thermometer 61588

Has parta coming out in the story from

1 hour - 2 minutes taken sounding

Temperature Control
3-20-67

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

SERIAL TEMPERATURE

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

REMARKS.

No. *10789* Date *March 1st 89*
Sigsbee Machine. Reel. *2*
 Turns *1952* Cor. *113* Depth *2065*
 Shot or lead *60 lb*
 Bottom *br. g.*
 Bottom temperature *34.8*
 No. of Thermometer *61590* Cor. *± 0*
 Corrected temperature *34.8*
 Air *65* Surface *63* Drift.
 Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>10-16-30</i>	<i>55-0</i>	0		
<i>17-30</i>	<i>34-30</i>	100		
<i>18-30</i>	<i>53-0</i>	200		
<i>19-30</i>	<i>51-30</i>	300		
<i>20-20</i>	<i>51-0</i>	400		
<i>21-35</i>	<i>50-30</i>	500		
<i>22-0</i>	<i>50-0</i>	600		
<i>23-0</i>	<i>49-30</i>	700		
<i>24-0</i>	<i>49-0</i>	800		
<i>25-0</i>	<i>48-30</i>	900		
<i>26-0</i>	<i>48-0</i>	1000		
<i>27-0</i>	<i>47-30</i>	1100		
<i>28-0</i>	<i>47-0</i>	1200		
<i>29-0</i>	<i>46-30</i>	1300		
<i>30-0</i>	<i>46-0</i>	1400		
<i>31-20</i>	<i>45-30</i>	1500		
<i>32-0</i>	<i>45-0</i>	1600		
<i>33-0</i>	<i>44-30</i>	1700		
<i>34-0</i>	<i>44-0</i>	1800		
<i>35-0</i>	<i>43-30</i>	1900		
<i>36-0</i>	<i>43-0</i>	2000		
		2100		
		2200		
		2300		
		2400		

Dredge rope not used

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.
45				
50				
100				
150				
200				
250				
300				
350				
400				
450				
500				
550				
600				
650				
700				
750				
800				
850				
900				
950				
1000				

REMARKS.

No. 16. 1790 Date March 7th 1889

Sigsbee Machine. 2 Reel.

Turns 2010 Cor. + 114 Depth 2124

Shot ~~as used~~ 60 lbs.

Bottom br. Cy.

Bottom temperature 34.9

No. of Thermometer 61590 Cor. ± 0

Corrected temperature 34.9

Air 75 Surface 65 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
P.M.	DOWN.		DOWN.	UP.
6.	48. 45	0		
	49. 45	100		
	50. 50	200		
	51. 45	300		
	52. 35	400		
	53. 30	500		
	54. 25	600		
	55. 20	700		
	56. 15	800		
	57. 15	900		
	58. 15	1000		
	59. 15	1100		
7.	00. 20	1200		
	01. 20	1300		
	02. 25	1400		
	03. 30	1500		
	04. 35	1600		
	05. 45	1700		
	06. 55	1800		
	08. 10	1900		
	09. 25	2000		
		2100		
		2200		
		2300		
		2400		

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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.

No. 1291 Hyd. Date March 24 89
Machine. Reel. 2

Turns 2650 Cor. + 115 Depth 2165

Shot or lead 60 lb

Bottom Br M.

Bottom temperature 35

No. of Thermometer 61590 Cor. = 0

Corrected temperature 35

Air 65 Surface 64 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2.19.05	3.70.30	0		
2.20.50	3.73.00	100		
2.21.50	3.75.00	200		
2.22.50	3.78.00	300		
2.23.50	3.76.00	400		
2.24.50	3.66.00	500		
2.25.50	3.55.00	600		
2.26.50	3.44.00	700		
2.27.50	3.33.00	800		
2.28.50	3.22.00	900		
2.29.50	3.06.00	1000		
2.30.50	2.55.30	1100		
2.31.50	2.57.00	1200		
2.32.50	2.55.00	1300		
2.33.50	2.53.00	1400		
2.34.50	2.51.30	1500		
2.36.00	2.42.30	1600		
2.37.30	2.42.00	1700		
2.38.50	2.47.00	1800		
2.40.00	2.46.00	1900		
2.41.40	2.45.00	2000		
2.43.30	2.44.50	2100		
		2200		
		2300		
		2400		

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5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0

SERIAL TEMPERATURE

DEPTH.	TEMP.	NO. OF THER.	COR.	TIME TEMP.
35				
50				
100				
200				
300				
400				
500				
1000				
2000				
3000				
4000				
5000				

REMARKS

No. *1792*, Date *March 2/29**Sigsbee* Machine, Reel, *2*Turns *2017* Cor. *+ 114* Depth *2131*Shot or lead *60 lbs.*Bottom *fy oz.*Bottom temperature *34.9*No. of Thermometer *61540* Cor. *± 0*Corrected temperature *34.9*Air *64* Surface *62* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN. UP.

DOWN.

UP.

5-54-30 *37-30*

0

55-30 *36-0*

100

56-30 *35-0*

200

57-15 *34-0*

300

58-0 *33-0*

400

59-0 *32-0*

500

60-0 *31-0*

600

1-0 *30-0*

700

2-0 *29-0*

800

3-45 *28-0*

900

3-30 *27-0*

1000

4-30 *26-0*

1100

5-30 *25-0*

1200

6-45 *24-0*

1300

7-30 *23-0*

1400

8-30 *22-0*

1500

9-45 *21-0*

1600

11-0 *20-0*

1700

12-30 *19-0*

1800

13-30 *18-0*

1900

15-0 *6-17-0*

2000

2100

2200

2300

2400

21000
20000
19000
18000
17000
16000
15000
14000
13000
12000
11000
10000
9000
8000
7000
6000
5000
4000

SUBIAL TEMPERATURE.

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

REMARKS.

Lat. 71.3.

No.

1793

Date

March 2nd 1889

Sigsbee

Machine. 2 Reel.

Turns 1260

Cor. + 83

Depth 1343

Shot or lead

60 lbs.

Bottom

br. M. S.

Bottom temperature

35.4

No. of Thermometer

61590

Cor. ± 0

Corrected temperature

35.4

Air

66

Surface

64

Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

A.M.

8.	13. 40	36. 15	0
14.	25	35. 40	100
15.	05	35. 05	200
15.	50	34. 35	300
16.	40	33. 45	400
17.	25	33. 00	500
18.	20	32. 15	600
19.	10	31. 30	700
20.	05	30. 45	800
21.	00	30. 00	900
22.	00	29. 05	1000
23.	00	28. 05	1100
24.	00	26. 30	1200
24.	45	26. 15	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.

2988

Date

March 2nd '89.

Sigsbee

Machine. 2 Reel.

Turns 32

Cor. 1

2

Depth 34

Shot or lead

38 lb.

Bottom

coralline

Bottom temperature

63.9

No. of Thermometer

62596

Cor. f. 2

Corrected temperature

64.1

Air

66

Surface

64.5 Drift. 3 57 1/2 W.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

9. 10. 40

12. 00

0

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

9. 38. 00

17. 50

39. 40

46. 20

Long photograph, with R. Rock, Sigsbee, 1/2 W.

Long photograph, with R. Rock, Sigsbee, 1/2 W.

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

SERIAL TEMPERATURE

DEPTH.	TEMP.	NO. OF THER.	OFF.	WIND, DIRECTION,
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS

No.

2989

Date

March 2nd 1889

Tanner

Machine.

Reel.

Turns 35

Cor. 1

Depth 36

Shot or lead

25 lbs

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Bottom

coralline

Bottom temperature

64.8

No. of Thermometer

67590

Cor. +.2

Corrected temperature

64.5

Air 64

Surface

64 Drift. $\frac{1}{4}$ m. S. 8 m.

Trawl or dredge or tangler

ships

SOUNDING WIRE.

T.W.N.

H.P.

9.57 00 52.05

TURNS.

DREDGE ROPE.

T.W.N.

H.P.

9.52 00 10.00
56.30 12.06.00

60

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

SERIAL TEMPERATURE.

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

REMARKS

No.

2790

Date

March 2nd 1887

Machine.

Reel.

Turns 46 Cor. + 2

Depth 48

Shot or lead 25 lbs.

Bottom coralline

Bottom temperature 63.6

No. of Thermometer 615-90 Cor. + 2

Corrected temperature 62.6

Air 64

Surface 64

Drift, 15 by 7/10

Trawl or dredge or tangles Small Beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

A.M.					
10.09.15	10.30	0	12.15.00	48.30	
		100	23.10	30.15	
		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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	2700	
	2600	
	2500	
	2400	
	2300	
	2200	
	2100	
	2000	
	1900	
	1800	
	1700	
	1600	
	1500	
	1400	
	1300	
	1200	
	1100	
	1000	
	900	
	800	

SERIAL TEMPERATURE.

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

REMARKS.

No. 1794 Date March 2, 1889

Tanner Machine. Reel.

Turns 53 Cor. + 2 Depth 55

Shot or lead 25 lbs

Bottom G. & coralline.

Bottom temperature 64.5

No. of Thermometer 61370 Cor. +.2

Corrected temperature 64.3

Air 64 Surface 65 Drift,

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

a.m.

11.09.45

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

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

SUBAL. TEMPERATURE

DEPTH.	TEMP.	% OF FIBR.	DRG.	DATE, TIME.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *1795* Date *March 2nd 1889**Sept 52* Machine. *2* Reel.Turns *457* Cor. *1 34* Depth *493*Shot or lead *30*Bottom *R. G. S*Bottom temperature *40.3*No. of Thermometer *61570* Cor. *+0.2*Corrected temperature *40.5*Air *64* Surface *65* Drift.

Trawl or dredge or tangles

SOUNDING WIRE

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

N M
11. 29. 00 38. 40
29. 50 37. 50
30. 40 37. 10
31. 10 36. 20
32. 45 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.	TIME	NO. OF THER.	COR.	COR. TEMP.
05				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.



No. 1796 Hy Date March 20 1897

Machine. Reel. 22

Turns 1250 Cor. + 68 Depth 1312

Shot or lead 35 lb

Bottom br. M + S.

Bottom temperature 35.4

No. of Thermometer 61590 Cor. 5.0

Corrected temperature 35.4

Air 65 Surface 65 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
12.1.30	12.26.30	0		
12.2.30	12.25.00	100		
12.3.00	12.24.00	200		
12.4.00	12.23.00	300		
12.5.00	12.22.30	400		
12.6.00	12.22.00	500		
12.7.00	12.21.30	600		
12.8.00	12.21.00	700		
12.9.00	12.20.30	800		
12.10.00	12.20.00	900		
12.11.00	12.19.00	1000		
12.12.00	12.18.00	1100		
12.13.00	12.17.00	1200		
12.14.30	12.16.00	1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE

DEPTH.	TEMP.	NO. OF THER.	USE.	Cont. Thick.
10				
20				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS

No. 1797 Hy. A. Date Mar. 2

Sigsbee Machine. Reel. 12

Turns 2016 Cor. 115 Depth 2131

Shot or lead 60 lb

Bottom M. s. m.

Bottom temperature 34.9

No. of Thermometer 61590 Cor. ± 0

Corrected temperature 34.9

Air 67 Surface 66 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2.12.00	2.55.30	0		
2.13.00	2.54.00	100		
2.14.00	2.53.00	200		
2.14.30	2.52.00	300		
2.15.00	2.51.00	400		
2.15.45	2.50.00	500		
2.16.30	2.49.00	600		
2.17.00	2.48.00	700		
2.18.00	2.47.00	800		
2.19.00	2.46.00	900		
2.20.30	2.45.00	1000		
2.22.00	2.44.00	1100		
2.23.30	2.43.00	1200		
2.25.00	2.42.00	1300		
2.26.00	2.41.00	1400		
2.27.00	2.40.00	1500		
2.28.30	2.39.00	1600		
2.30.00	2.38.00	1700		
2.31.30	2.37.00	1800		
2.33.00	2.36.00	1900		
2.34.30	2.35.00	2000		
2.35.00	2.34.30	2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE

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

REMARKS

No. *1798* Date *March 24th 19**Sigsbee* Machine. Reel. *#2*Turns *2000* Cor. *7* *114* Depth *2119*Shot or lead *60 lbs.*Bottom *gy. m.*Bottom temperature *35*No. of Thermometer *61590* Cor. *± 0*Corrected temperature *35*Air *66* Surface *65* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

<i>8-34-0</i>	<i>27-0</i>	<i>0</i>		
<i>40-0</i>	<i>25-40</i>	<i>100</i>		
<i>41-0</i>	<i>24-30</i>	<i>200</i>		
<i>42-0</i>	<i>23-0</i>	<i>300</i>		
<i>43-0</i>	<i>21-40</i>	<i>400</i>		
<i>44-0</i>	<i>20-20</i>	<i>500</i>		
<i>45-0</i>	<i>19-0</i>	<i>600</i>		
<i>46-0</i>	<i>17-40</i>	<i>700</i>		
<i>47-0</i>	<i>16-20</i>	<i>800</i>		
<i>48-0</i>	<i>15-0</i>	<i>900</i>		
<i>49-0</i>	<i>14-0</i>	<i>1000</i>		
<i>50-0</i>	<i>13-0</i>	<i>1100</i>		
<i>51-0</i>	<i>12-0</i>	<i>1200</i>		
<i>52-0</i>	<i>11-0</i>	<i>1300</i>		
<i>53-0</i>	<i>10-0</i>	<i>1400</i>		
<i>54-0</i>	<i>9-0</i>	<i>1500</i>		
<i>55-0</i>	<i>8-0</i>	<i>1600</i>		
<i>56-0</i>	<i>7-0</i>	<i>1700</i>		
<i>57-0</i>	<i>5-40</i>	<i>1800</i>		
<i>9-0-0</i>	<i>4-20</i>	<i>1900</i>		
<i>1-0</i>	<i>9-03-0</i>	<i>2000</i>		
		<i>2100</i>		
		<i>2200</i>		
		<i>2300</i>		
		<i>2400</i>		

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

SERIAL TEMPERATURE.

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

REMARKS

No. *1477* Date *March 5th 1889*
Seibert Machine. *2* Reel.

Turns *2032* Cor. + *15* Depth *2147*

Shot or Lead *60 lbs.*

Bottom *br. G.*

Bottom temperature *34.9*

No. of Thermometer *61540* Cor. *± 0*

Corrected temperature *34.9*

Air *67* Surface *66* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>2.</i>	<i>10.35</i>	<i>52.40</i>	<i>0</i>
<i>11.</i>	<i>35</i>	<i>51.55</i>	<i>100</i>
<i>12.</i>	<i>30</i>	<i>51.20</i>	<i>200</i>
<i>13.</i>	<i>30</i>	<i>50.40</i>	<i>300</i>
<i>14.</i>	<i>20</i>	<i>50.00</i>	<i>400</i>
<i>15.</i>	<i>15</i>	<i>49.15</i>	<i>500</i>
<i>16.</i>	<i>15</i>	<i>48.30</i>	<i>600</i>
<i>17.</i>	<i>10</i>	<i>47.40</i>	<i>700</i>
<i>18.</i>	<i>05</i>	<i>46.50</i>	<i>800</i>
<i>19.</i>	<i>05</i>	<i>46.00</i>	<i>900</i>
<i>20.</i>	<i>05</i>	<i>45.15</i>	<i>1000</i>
<i>21.</i>	<i>05</i>	<i>44.20</i>	<i>1100</i>
<i>22.</i>	<i>10</i>	<i>43.25</i>	<i>1200</i>
<i>23.</i>	<i>15</i>	<i>42.30</i>	<i>1300</i>
<i>24.</i>	<i>20</i>	<i>41.35</i>	<i>1400</i>
<i>25.</i>	<i>25</i>	<i>40.40</i>	<i>1500</i>
<i>26.</i>	<i>35</i>	<i>39.40</i>	<i>1600</i>
<i>27.</i>	<i>45</i>	<i>38.40</i>	<i>1700</i>
<i>28.</i>	<i>00</i>	<i>37.30</i>	<i>1800</i>
<i>29.</i>	<i>15</i>	<i>36.25</i>	<i>1900</i>
<i>30.</i>	<i>30</i>	<i>35.00</i>	<i>2000</i>
			<i>2100</i>
			<i>2200</i>
			<i>2300</i>
			<i>2400</i>

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

SERIAL TEMPERATURE

DEPTH.	TIME.	NO. TO TIME.	DIR.	CON. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS

Wm H

No. 1800 Hyd. Date March 3rd 1889

Sigsbee Machine. Reel. 42

Turns 2160 Cor. + 120 Depth 2280

Shot ~~10 lb~~ 60 lb

Bottom br M.

Bottom temperature 35.

No. of Thermometer 61590 Cor. ± 0

Corrected temperature 35

Air 67 Surface 67 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
A.M. DOWN.	A.M. UP.		DOWN.	UP.
9. 36.00	10. 18.30	0		
9. 36.30	10. 17.30	100		
9. 37.00	10. 16.30	200		
9. 38.00	10. 16.00	300		
9. 39.00	10. 15.30	400		
9. 40.00	10. 15.00	500		
9. 40.30	10. 14.30	600		
9. 41.30	10. 14.00	700		
9. 42.30	10. 13.00	800		
9. 43.30	10. 12.00	900		
9. 44.30	10. 11.00	1000		
9. 45.30	10. 10.00	1100		
9. 46.30	10. 9.00	1200		
9. 47.30	10. 8.00	1300		
9. 48.30	10. 7.00	1400		
9. 49.30	10. 6.00	1500		
9. 51.00	10. 5.00	1600		
9. 52.00	10. 4.00	1700		
9. 53.00	10. 3.00	1800		
9. 54.00	10. 2.00	1900		
9. 55.30	10. 1.00	2000		
9. 57.00	10. 00.00	2100		
9. 57.30	9. 59.00	2200		
		2300		
		2400		

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

SERIAL TEMPERATURE

DEPTH	TEMP.	NO. OF THER.	TIME	THE. TEMP.
15				
30				
45				
60				
75				
90				
105				
120				
135				
150				
165				
180				
195				
210				
225				
240				
255				
270				
285				
300				
315				
330				
345				
360				
375				
390				
405				
420				
435				
450				
465				
480				
495				
510				
525				
540				
555				
570				
585				
600				
615				
630				
645				
660				
675				
690				
705				
720				
735				
750				
765				
780				
795				
810				
825				
840				
855				
870				
885				
900				
915				
930				
945				
960				
975				
990				
1005				
1020				
1035				
1050				
1065				
1080				
1095				
1110				
1125				
1140				
1155				
1170				
1185				
1200				
1215				
1230				
1245				
1260				
1275				
1290				
1305				
1320				
1335				
1350				
1365				
1380				
1395				
1410				
1425				
1440				
1455				
1470				
1485				
1500				
1515				
1530				
1545				
1560				
1575				
1590				
1605				
1620				
1635				
1650				
1665				
1680				
1695				
1710				
1725				
1740				
1755				
1770				
1785				
1800				
1815				
1830				
1845				
1860				
1875				
1890				
1905				
1920				
1935				
1950				
1965				
1980				
1995				
2010				
2025				
2040				
2055				
2070				
2085				
2100				
2115				
2130				
2145				
2160				
2175				
2190				
2205				
2220				
2235				
2250				
2265				
2280				
2295				
2310				
2325				
2340				
2355				
2370				
2385				
2400				
2415				
2430				
2445				
2460				
2475				
2490				
2505				
2520				
2535				
2550				
2565				
2580				
2595				
2610				
2625				
2640				
2655				
2670				
2685				
2700				
2715				
2730				
2745				
2760				
2775				
2790				
2805				
2820				
2835				
2850				
2865				
2880				
2895				
2910				
2925				
2940				
2955				
2970				
2985				
3000				

REMARKS

No. *1801* Date *March 31 1881**Sigsbee* Machine, Reel, *2*Turns *1740* Cor. *105* Depth *1845*Shot or lead *60 lbs.*Bottom *br m*Bottom temperature *35*No. of Thermometer *61570* Cor. *± 0*Corrected temperature *35*Air *72* Surface *71* Drift.

Trawl or dredge or tangles

SOUNDING WIRE		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>4-03-0</i>	<i>36-0</i>	0		
<i>04-0</i>	<i>35-15</i>	100		
<i>05-0</i>	<i>34-0</i>	200		
<i>05-30</i>	<i>33-0</i>	300		
<i>06-20</i>	<i>32-15</i>	400		
<i>07-15</i>	<i>32-30</i>	500		
<i>08-15</i>	<i>32-0</i>	600		
<i>09-0</i>	<i>31-15</i>	700		
<i>09-45</i>	<i>30-30</i>	800		
<i>10-0</i>	<i>29-30</i>	900		
<i>11-15</i>	<i>28-45</i>	1000		
<i>12-0</i>	<i>28-0</i>	1100		
<i>13-0</i>	<i>27-0</i>	1200		
<i>14-0</i>	<i>26-0</i>	1300		
<i>15-0</i>	<i>25-0</i>	1400		
<i>16-0</i>	<i>24-0</i>	1500		
<i>17-0</i>	<i>23-0</i>	1600		
<i>18-30</i>	<i>22-0</i>	1700		
<i>19-0</i>	<i>21-30</i>	1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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2300
2500
2700
2900
3100
3300
3500
3700
3900
4100
4300
4500
4700
4900
5100
5300
5500
5700
5900
6100
6300
6500
6700
6900
7100
7300
7500
7700
7900
8100
8300
8500
8700
8900
9100
9300
9500
9700
9900
10000

SERIAL TEMPERATURE

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

REMARKS.

No.

1802

Date

March 3rd 1889

Sigsbee Machine, 2 Reel.

Turns 1959 Cor. 1113 Depth 2072

Shot or lead 60 lbs

Bottom br. G.

Bottom temperature 35.0

No. of Thermometer 61590 Cor. ± 0

Corrected temperature 35

Air 68 Surface 69 Drift.

Trawl or dredge or tangles.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
P.M. DOWN.	UP.		DOWN.	UP.
10. 38.50	07.25	0		
39.50	06.40	100		
40.45	06.05	200		
41.35	05.35	300		
42.30	04.45	400		
43.20	04.05	500		
44.15	03.30	600		
45.15	02.35	700		
46.10	01.50	800		
47.10	01.05	900		
48.10	11.00.15	1000		
49.10	59.25	1100		
50.15	58.35	1200		
51.20	57.50	1300		
52.25	56.50	1400		
53.35	55.55	1500		
54.40	55.00	1600		
55.50	54.00	1700		
57.05	52.55	1800		
58.15	51.35	1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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SERIAL TEMPERATURE

DEPTH.	TEMP.	NO. OF THER.	LOG.	END. TEMP.
75				
50				
100				
200				
150				
100				
500				
600				
700				
800				
900				
1000				

REMARKS.

1803

No. 1803 Hyd. Date March 4th 1889

Sigsbee Machine. Reel. 2

Turns 192 Cor. + 112 Depth 2032

Shot or lead 60 lbs

Bottom Br M.

Bottom temperature 34.9

No. of Thermometer 61590 Cor. ± 0

Corrected temperature 34.9

Air 67 Surface 69 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5.05-24	5.48.21	0		
" 07-25	5.47.00	100		
" 08-55	5.46.30	200		
" 09-45	5.46.00	300		
" 10-45	5.45.30	400		
" 11-45	5.45.00	500		
5.13.00	5.44.30	600		
5.14.00	5.44.00	700		
5.15.00	5.43.00	800		
5.16.00	5.42.00	900		
5.17.00	5.41.00	1000		
5.18.00	5.40.00	1100		
5.19.00	5.39.00	1200		
5.20.00	5.38.30	1300		
5.21.00	5.38.00	1400		
5.22.00	5.37.30	1500		
5.23.00	5.37.00	1600		
5.24.30	5.36.00	1700		
5.26.30	5.35.00	1800		
5.30.00	5.32.50	1900		
5.30.30	5.33.00	2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE

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

REMARKS

No.

804.

Date

March 4th 89.

Sigsbee

Machine.

Reel.

Turns 1815

Cor. +

107

Depth

1925

Shot or lead

60 lbs.

Bottom

fine br. S.

Bottom temperature

35.

No. of Thermometer

6590

Cor.

Corrected temperature

35

Air

70

Surface

70

Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11-21-0	5-25	0		
29-0	3-0	100		
30-0	2-15	200		
31-0	1-30	300		
32-45	1-0	400		
32.30	12-0-15	500		
33-15	59-30	600		
34-0	58-45	700		
35-0	58-0	800		
36-0	57-15	900		
36-45	56-30	1000		
37-45	55-30	1100		
39-0	54-45	1200		
40-0	53-45	1300		
41-0	52-45	1400		
42-0	51-45	1500		
43-30	50-45	1600		
44-30	49-30	1700		
46-0	48-0	1800		
47-2	11-47-45	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 THERM.	TIME.	TIME.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No.

1805

Date

March 4th 1889

Sigsbee Machine. 2 Reel.

Turns 1627 Cor. + 105 Depth 1732

Shot or lead 35 lbs.

Bottom gy. S. G.

Bottom temperature 35

No. of Thermometer 61590 Cor. ± 0

Corrected temperature 35

Air 72 Surface 71 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

P.M. DOWN.

UP.

DOWN.

UP.

1. 24.50	57.30	0
25.55	58.55	100
26.55	58.15	200
28.00	57.40	300
29.55	57.00	400
30.00	56.15	500
31.10	55.45	600
32.21	54.50	700
33.40	54.05	800
34.40	53.20	900
36.10	52.35	1000
37.20	51.55	1100
38.40	50.45	1200
40.05	49.50	1300
41.30	48.40	1400
43.45	47.35	1500
44.20	46.25	1600
		1700
		1800
		1900
		2000
		2100
		2200
		2300
		2400

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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. 1806

Date

March 4th 1889.

Sigsbee Machine, 2 Reel,

Turns 260 Cor. + 20 Depth 280

Shot or lead 35 lbs.

Bottom gy S.

Bottom temperature 46.2

No. of Thermometer 61570 Cor. +.2

Corrected temperature 46.4

Air 71 Surface 71 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

PM.	SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
	DOWN.	UP.		DOWN.	UP.
2.	45.50	51.20	0		
	46.50	50.40	100		
	47.50	50.15	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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SERIAL TEMPERATURE

DEPTH	TIME	NO. OF THER.	CO.	SUR. TEMP.
25				
50				
75				
100				
125				
150				
175				
200				
225				
250				
275				
300				
325				
350				
375				
400				
425				
450				
475				
500				
525				
550				
575				
600				
625				
650				
675				
700				
725				
750				
775				
800				
825				
850				
875				
900				
925				
950				
975				
1000				

REMARKS.

W. H. 1889

No. 2991 Dredge Date March 6th 1889

Sigsbee Machine. Reel, 142

Turns 315 Cor. + 26 Depth 341

Shot or lead 35 lb

Bottom fine

Bottom temperature same

No. of Thermometer 61590 Cor. lost.

Corrected temperature same

Air 75 Surface 72 Drift, 3 1/4 miles W x W 1/2 W

Trawl or dredge or tangles large beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

9.55:00

9.56:30

9.57:30

9.58:30

9.59:00

10.13 0

10.02 0

10.00

0

100

200

300

400

500

600

700

750

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

10.03 0 11.17.00

10.10.00 11.17.00

10.14.00 11.14.00

10.17.50 11.10.00

10.21.00 11.7.30

10.24.20 11.5.30

10.27.25 11.3.00

10.31.00 11.00.00

10.45.00 10.57.00

180 fms Wire Retrieved
1.25 lbs Shot
1.5 Thermometer # 61590

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

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	WIND.	SUR. TEMP.
10				
20				
30				
40				
50				
60				
70				
80				
90				
100				
110				
120				
130				
140				
150				
160				
170				
180				
190				
200				
210				
220				
230				
240				
250				
260				
270				
280				
290				
300				
310				
320				
330				
340				
350				
360				
370				
380				
390				
400				
410				
420				
430				
440				
450				
460				
470				
480				
490				
500				
510				
520				
530				
540				
550				
560				
570				
580				
590				
600				
610				
620				
630				
640				
650				
660				
670				
680				
690				
700				
710				
720				
730				
740				
750				
760				
770				
780				
790				
800				
810				
820				
830				
840				
850				
860				
870				
880				
890				
900				
910				
920				
930				
940				
950				
960				
970				
980				
990				
1000				

REMARKS.

No. 2992 Date March 6 1889

Sigsbee Machine. Reel. 2

Turns 430 Cor. 20 Depth 460

Shot or lead 35 lbs

Bottom M.S. - R.

Bottom temperature 41.8

No. of Thermometer 61755 Cor. 10

Corrected temperature 41.8

Air 71 Surface 72 Drift 1/4 m N 1/2 E

Trawl or dredge or tangles Large Brown

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11.28.30	11.38.00	0	11.42.00	15-0
11.29.30	11.37.00	100	11.48.00	13-0
11.30.30	11.36.00	200	11.51.30	10-0
11.31.30	11.36.00	300	11.55.00	7-0
11.33.00	11.35.20	400	11.59.00	1-4-0
11.33.30	11.35.00	500	12.2.00	57-0
		600	12.4.00	55-0
		700	12.8.00	49-45
		800	12.12.00	35-45
		900	15-0	32-0
		1000	18.40	12-24-30
		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 FATH.	WIND.	COR. TEMP.
15				
50				
100				
300				
350				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No.

2993.

Date

March 6th 89.

Machine.

Reel.

#2.

Turns

340

Cor.

25

Depth

364

Shot or lead

38 lbs.

Bottom

gy S. brk. Sh.

Bottom temperature

43.5

No. of Thermometer

61755

Cor.

± 0

Corrected temperature

43.5

Air

72

Surface

72

Drift.

N. 1/2 E.

Trawl or dredge or tangles

large Brans.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

1-24-30

33-50

0

1-55-0

46-0

26-0

33-0

100

19-0

44-0

27-15

32-30

200

2-2-0

40-30

28-30

32-0

300

5-0

35-0

29-0

1-31-0

400

8-0

31-0

500

11-30

28-15

600

16-0

2-25-0

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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

SERIAL TEMPERATURES.

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

REMARKS.

No.

2994

Date

March 6th 89

Machine.

Reel.

#2

Turns 50

Cor.

Depth 54

Shot or lead

Bottom

Bottom temperature

No. of Thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE,

DOWN.

UP.

2-58-50	3-0-30	0	3-06-30	2-11-12
59-0	2-59-30	100	10-10	3-21-45
		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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2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100

SERIAL TEMPERATURE

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

REMARKS

No.

2995

Date

March 6th 1899

Machine.

Reel.

Turns 30

Cor. 1

1

Depth 31

Shot or lead

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Bottom

Bottom temperature

No. of Thermometer

Cor. ± 0

Corrected temperature

Air

Surface

Drift

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

31-30	32-30	0	31-30	32-30
31-25	32-25	100	31-25	32-25
		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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25100
26000
27100
28000
29000
30000
31000
32000
33000
34000
35000
36000
37000
38000
39000
40000

SERIAL TEMPERATURE

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

FORM 67-5

No. *1807* Date *March 6th 89.*
Sigsbee Machine. 2 Reel.
 Turns *610* Cor. *41* Depth *651*
 Shot or lead *35 lbs.*
 Bottom *bk. Co. S. Glob.*
 Bottom temperature *39.8*
 No. of Thermometer *61755* Cor. *= 0*
 Corrected temperature *39.8*
 Air *71* Surface *70* Drift.
 Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

P. M.	DOWN.	UP.		DOWN.	UP.
	<i>6-52 45</i>	<i>45.10</i>	0		
	<i>33.50</i>	<i>44.30</i>	100		
	<i>34.55</i>	<i>43.55</i>	200		
	<i>36.00</i>	<i>43.10</i>	300		
	<i>37.05</i>	<i>42.25</i>	400		
	<i>38.15</i>	<i>41.40</i>	500		
	<i>39.30</i>	<i>40.40</i>	600		
			700		
			800		
			900		
			1000		
			1100		
			1200		
			1300		
			1400		
			1500		
			1600		
			1700		
			1800		
			1900		
			2000		
			2100		
			2200		
			2300		
			2400		

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SERIAL TEMPERATURE

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

REMARKS.

Wm H
807

No. 1808 Hya Date March 6-89

Sigsbee Machine. Reel. 42

Turns 1885 Cor. + 102 Depth 1987

Shot or lead 60 lbs

Bottom M.

Bottom temperature 35.3

No. of Thermometer 61753 Cor. ± 0

Corrected temperature 35.3

Air 71 Surface 74 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
P. M. DOWN.	UP.		DOWN.	UP.
8.44.00	9.26.45	0		
8.45.00	9.20.00	100		
8.45.30	9.19.00	200		
8.46.00	9.18.00	300		
8.46.30	9.17.00	400		
8.47.00	9.16.00	500		
8.47.30	9.15.00	600		
8.48.00	9.14.30	700		
8.49.00	9.14.00	800		
8.51.00	9.13.30	900		
8.52.00	9.13.00	1000		
8.53.30	9.12.00	1100		
8.54.30	9.11.00	1200		
8.55.30	9.10.00	1300		
8.56.30	9.9.00	1400		
8.57.30	9.8.00	1500		
8.58.30	9.7.00	1600		
8.59.30	9.6.00	1700		
9.1.00	9.5.00	1800		
9.2.30	9.4.00	1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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	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.

Date

Machine.

Reel.

Turns

Cor.

Depth

Shot or lead

Bottom

Bottom temperature

No. of Thermometer

Cor. $\pm$ 0

Corrected temperature

Air

Surface

Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

1-0-30

40-45

0

1-30

40-0

100

2-30

39-15

200

3-30

38-45

300

4-30

38-0

400

5-30

37-15

500

6-30

36-30

600

7-30

35-45

700

8-30

35-0

800

9-30

34-15

900

9-45

33-30

1000

11-0

32-0

1100

12-0

31-0

1200

13-45

30-0

1300

14-30

29-0

1400

15-0

28-0

1500

16-0

27-0

1600

17-0

26-0

1700

18-0

25-0

1800

19-30

1-22-0

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

REMARKS.

No.

1810

Date

March 7 '89

Sigsbee Machine. 2 Reel.

Turns 1910 Cor. + 102 Depth 2012

Shot or lead 60 lbs

Bottom br. M.

Bottom temperature 36.4

No. of Thermometer 61755 Cor. ± 0

Corrected temperature 36.4

Air 69 Surface 42 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

5. 23. 35	01.30	0
24. 20	01.10	100
25. 10	00.40	200
25. 50	59.55	300
26. 45	59.15	400
27. 40	58.30	500
28. 35	57.50	600
29. 30	57.05	700
30. 25	56.20	800
31. 20	55.30	900
32. 15	54.40	1000
33. 15	53.50	1100
34. 10	53.01	1200
35. 10	52.05	1300
36. 15	51.15	1400
37. 30	50.20	1500
38. 25	49.25	1600
39. 30	48.20	1700
40. 40	47.25	1800
41. 50	46.10	1900
		2000
		2100
		2200
		2300
		2400

	7500	
	7600	
	7700	
	7800	
	7900	
	8000	
	8100	
	8200	
	8300	
	8400	
	8500	
	8600	
	8700	
	8800	
	8900	
	9000	
	9100	
	9200	
	9300	
	9400	
	9500	

SERIAL TEMPERATURE

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

REMARKS.

Wm H. 507

No. 1811. Hya. Date March 7th 89

Signature Machine. 2 Reel.

Turns 1850 Cor. + 101 Depth 1951

Shot or lead 60 lb

Bottom Br. M.

Bottom temperature 35.3

No. of Thermometer 61756 Cor. ± 0

Corrected temperature 35.3

Air 71 Surface 73 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9.41.00	10.18.00	0		
9.42.00	10.17.00	100		
9.43.00	10.16.00	200		
9.44.30	10.15.00	300		
9.46.30	10.14.00	400		
9.46.00	10.13.00	500		
9.46.30	10.12.30	600		
9.47.00	10.12.00	700		
9.48.00	10.11.30	800		
9.49.00	10.11.00	900		
9.50.00	10.10.00	1000		
9.51.00	10.9.00	1100		
9.52.00	10.8.00	1200		
9.53.00	10.7.00	1300		
9.54.00	10.6.00	1400		
9.55.00	10.5.00	1500		
9.56.00	10.4.00	1600		
9.58.00	10.3.30	1700		
9.57.30	10.1.30	1800		
10.00	10.1.00	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.	WIND. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *1812* Date *March 7th 89*

Sigsbee Machine. Reel. *#2*

Turns *1753* Cor. + *48* Depth *1854*

Shot or lead *60 lbs.*

Bottom *gy. M.*

Bottom temperature *35.4*

No. of Thermometer *61555* Cor. *± 0*

Corrected temperature *35.4*

Air *75* Surface *74* Drift.

Trawl or dredge or tangles

P.W. SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>1-44-30</i>	<i>18-0</i>	<i>0</i>		
<i>5-2-30</i>	<i>17-15</i>	<i>100</i>		
<i>10-2-15</i>	<i>16-30</i>	<i>200</i>		
<i>15-2-0</i>	<i>15-0</i>	<i>300</i>		
<i>20-2-15</i>	<i>14-0</i>	<i>400</i>		
<i>25-2-15</i>	<i>13-15</i>	<i>500</i>		
<i>30-2-30</i>	<i>13-20</i>	<i>600</i>		
<i>35-2-30</i>	<i>13-0</i>	<i>700</i>		
<i>40-2-30</i>	<i>12-15</i>	<i>800</i>		
<i>45-2-30</i>	<i>11-30</i>	<i>900</i>		
<i>50-2-30</i>	<i>10-45</i>	<i>1000</i>		
<i>55-2-30</i>	<i>10-0</i>	<i>1100</i>		
<i>60-2-30</i>	<i>9-0</i>	<i>1200</i>		
<i>65-2-30</i>	<i>8-15</i>	<i>1300</i>		
<i>70-2-30</i>	<i>7-45</i>	<i>1400</i>		
<i>75-2-30</i>	<i>7-15</i>	<i>1500</i>		
<i>80-2-30</i>	<i>6-0</i>	<i>1600</i>		
<i>85-2-30</i>	<i>5-15</i>	<i>1700</i>		
<i>90-2-30</i>	<i>5-0</i>	<i>1800</i>		
<i>95-2-30</i>	<i>4-0</i>	<i>1900</i>		
<i>100-2-30</i>	<i>3-0</i>	<i>2000</i>		
<i>105-2-30</i>	<i>2-0</i>	<i>2100</i>		
<i>110-2-30</i>	<i>1-0</i>	<i>2200</i>		
<i>115-2-30</i>	<i>0-0</i>	<i>2300</i>		
<i>120-2-30</i>	<i>0-0</i>	<i>2400</i>		

	0500	
	2500	
	3700	
	2500	
	3400	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	

SERIAL TEMPERATURE.

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

REMARKS.

No.

1813

Date

March 7th 1889

Sigsbee Machine. 2 Reel.

Turns 1731 Cor.

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Depth 1829

Shot or lead 60 lbs.

Bottom br. M.

Bottom temperature *same*

No. of Thermometer 61755 Cor.

Corrected temperature *same*

Air 70 Surface 72 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
5. 52. 40	25. 40	0		
52. 45	24. 05	100		
53. 30	23. 15	200		
54. 15	22. 35	300		
55. 05	22. 20	400		
55. 55	21. 20	500		
56. 45	20. 35	600		
57. 40	19. 50	700		
58. 40	19. 05	800		
59. 45	18. 20	900		
60. 30	17. 30	1000		
01. 05	16. 50	1100		
02. 40	15. 55	1200		
03. 45	15. 00	1300		
04. 50	14. 00	1400		
05. 55	13. 00	1500		
07. 10	11. 40	1600		
08. 20	10. 20	1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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SERIAL TEMPERATURE

DEPTH.	TEMP.	NO. OF THER.	COE.	COE. TIME.
25				
50				
75				
100				
125				
150				
175				
200				
225				
250				
275				
300				
325				
350				
375				
400				

REMARKS:

No. 1814 Date March 7th 1889

Sigsbee Machine. 2 Reel.

Turns 1690 Cor. + 96 Depth 1786

Shot or lead 60 lb

Bottom M. M.

Bottom temperature 35.3

No. of Thermometer 61755 Cor. ± 0

Corrected temperature 35.3

Air 70 Surface 71 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
P.M.	DOWN.		DOWN.	UP.
8 50.00	9 22.00	0		
8 51.00	9 21.00	100		
8 52.00	9 20.00	200		
8 53.10	9 19.00	300		
8 54.00	9 18.00	400		
8 55.00	9 17.00	500		
8 56.00	9 16.00	600		
8 57.00	9 15.00	700		
8 58.00	9 14.00	800		
8 59.00	9 13.00	900		
9 00.00	9 12.00	1000		
9 01.00	9 11.00	1100		
9 01.30	9 10.00	1200		
9 02.00	9 09.00	1300		
9 02.30	9 08.00	1400		
9 03.00	9 07.00	1500		
9 04.00	9 06.00	1600		
9 04.30	9 05.00	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.	W. COR.	W. COR. TEMP.
25				
30				
400				
500				
600				
700				
800				
900				
1000				
1100				
1200				
1300				
1400				
1500				
1600				
1700				
1800				
1900				
2000				

REMARKS

No. 1815 Hyd Date March 7th 89

Sigsbee Machine. Reel.

Turns 1725 Cor. + 98 Depth 1823

Shot or lead 36 lb

Bottom Rky.

Bottom temperature 35.3

No. of Thermometer 61755 Cor. ± 0

Corrected temperature 35.3

Air 70 Surface 70 Drift

~~Trawl or dredge or tangles~~

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

P. M. DOWN.

UP.

DOWN.

UP.

10.36.00 11.14.00

0

10.36.00 11.13.00

100

10.37.00 11.12.00

200

10.38.00 11.11.00

300

10.39.00 11.10.00

400

10.40.00 11.9.00

500

10.41.00 11.8.30

600

10.42.00 11.8.00

700

10.43.00 11.7.30

800

10.44.00 11.7.00

900

10.45.00 11.6.00

1000

10.46.00 11.5.00

1100

10.47.00 11.3.30

1200

10.48.30 11.2.30

1300

10.50.00 11.1.30

1400

10.52.00 10.59.30

1500

10.54.00 10.58.30

1600

10.55.00 10.57.30

1700

10.55.30 10.57

1800

1900

2000

2100

2200

2300

2400

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2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

No. 1816 Hyd. Date March 7-8-89

Sigsbee Machine. 2 Reel.

Turns 153 Cor. 1 89 Depth 1619

Shot on Lead 85 lb

Bottom Rky.

Bottom temperature 35.5

No. of Thermometer 61755 Cor. +0

Corrected temperature 35.5

Air 69 Surface 70 Drift:

Trawl or dredge or tangles

P.M. SOUNDING WIRE		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11.54.00	12.28.00	0		
11.55.00	12.27.00	100		
11.56.00	12.26.30	200		
11.57.00	12.26.00	300		
11.58.00	12.25.30	400		
11.59.00	12.25.00	500		
12.00.00	12.24.00	600		
12.01.00	12.23.00	700		
12.02.00	12.22.00	800		
12.03.00	12.21.00	900		
12.05.00	12.20.00	1000		
12.06.00	12.19.00	1100		
12.07.00	12.18.00	1200		
12.08.00	12.17.00	1300		
12.09.00	12.16.00	1400		
12.10.30	12.15.00	1500		
12.11.00	12.14.00	1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	25.00	
	26.00	
	27.00	
	28.00	
	29.00	
	30.00	
	31.00	
	32.00	
	33.00	
	34.00	
	35.00	
	36.00	
	37.00	
	38.00	
	39.00	
	40.00	

SERIAL TEMPERATURE

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

REMARKS:

No. 1817

Date March 8th 1897

Machine. Reel. #2

Turns 1092 Cor. + 69 Depth 1161

Shot or lead 35 lbs

Bottom rky

Bottom temperature 36.2

No. of Thermometer 617055 Cor. ± 0

Corrected temperature 36.2

Air 70 Surface 70 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

5-51-0

12-45

0

12-0

12-0

100

13-0

13-15

200

14-0

13-30

300

15-0

14-45

400

16-0

15-0

500

17-0

16-0

600

18-0

09-0

700

19-0

08-0

800

20-0

07-0

900

21-0

06-0

1000

22-30

6-04-0

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	END TIME
25				
50				
100				
150				
200				
250				
300				
350				
400				
450				
500				
550				
600				
650				
700				
750				
800				
850				
900				
950				
1000				

REMARKS

No.

1818.

Date

March 8th 1899

Sigsbee

Machine.

Reel.

#2

Turns

611

Cor.

+ 40

Depth

651

Shot or lead

35 lbs.

Bottom

R. M. S.

Bottom temperature

39.4

No. of Thermometer

611/55

Cor.

± 0

Corrected temperature

39.4

Air

70

Surface

70

Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

4.00

6-45-0

17-0

0

45-0

54-15

100

44-0

13-30

200

45-0

17-30

300

45-45

41-30

400

46-30

50-20

500

47-20

6-49-30

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900
5000

SERIAL TEMPERATURE.

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

REMARKS.

No. 1819

Date

March 10th 1887

Sigsbee

Machine. 2 Reel.

Turns 1189 Cor. 1 75 Depth 1264

Shot or lead 35 lbs.

Bottom fr. M. br. S.

Bottom temperature 35.8

No. of Thermometer 61755 Cor. ± 0

Corrected temperature 35.8

Air 70 Surface 70 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

4. 49. 45	15. 45	0		
50. 40	14. 55	100		
51. 40	14. 10	200		
52. 45	13. 20	300		
53. 45	12. 30	400		
54. 50	11. 40	500		
55. 55	10. 45	600		
57. 00	09. 50	700		
58. 10	08. 50	800		
59. 25	07. 55	900		
60. 45	06. 55	1000		
02. 10	05. 50	1100		

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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SERIAL TEMPERATURE

DEPTH.	TEMP.	NO. OF THERM.	COB.	USE, TEMP.
25				
50				
100				
200				
300				
400				
500				
1000				
700				
800				
900				
1100				

REMARKS

No.

1820

Date

March 10th 1889

Sigsbee Machine, 2 Reel.

Turns 1545 Cor. + 90

Depth 1635

Shot on lead 60 lbs.

Bottom br. M.

Bottom temperature 35.6

No. of Thermometer 61455 Cor. 0

Corrected temperature 35.6

Air 71 Surface 70 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

A. M. DOWN.		UP.		DOWN.	UP.
6.	35.	35	05.45	0	
36.	30		04.45	100	
37.	20		04.15	200	
38.	10		03.35	300	
39.	00		02.50	400	
39.	45		02.55	500	
40.	35		01.05	600	
41.	30		00.10	700	
42.	25		59.10	800	
43.	20		58.15	900	
44.	20		57.20	1000	
45.	20		56.20	1100	
46.	20		55.20	1200	
47.	25		54.20	1300	
48.	30		53.10	1400	
49.	40		52.20	1500	
				1600	
				1700	
				1800	
				1900	
				2000	
				2100	
				2200	
				2300	
				2400	

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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.

W. 107

No. 1821 Hyd. Date March 10th 89
Sigsbee Machine. Reel. 2

Turns 854 Cor. + 56 Depth 910

Shot or Lead 35 lb

Bottom br. M.

Bottom temperature 37.5

No. of Thermometer 61755 Cor. ± 0

Corrected temperature 37.5

Air 71 Surface 72 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8.21.00	8.43.00	0		
8.22.00	8.40.00	100		
8.23.00	8.41.00	200		
8.24.00	8.38.00	300		
8.25.00	8.39.00	400		
8.26.00	8.38.00	500		
8.27.00	8.37.00	600		
8.28.00	8.36.00	700		
8.29.00	8.34.00	800		
8.30.00	8.32.00	900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE

DEPTH.	TEMP.	NO. OF THER.	TIME.	TIME.
15				
30				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS

607/4

No. 1822

Date March 10th 89

Sigsbee

Machine. 2 Reel.

Turns 195 Cor. + 15 Depth 210

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~~Shot or lead~~ 35

Bottom Rky.

Bottom temperature 50.3

No. of Thermometer 61755- Cor. + 0

Corrected temperature 50.3

Air 71 Surface 73 Drift.

~~Trawl or dredge or tangles~~

SOUNDING WIRE.

C.M. DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

9.18.00 9.23.30

9.19.00 9.22.30

9.20 9.21.30

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

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

SUBAL TEMPERATURE

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

REMARKS

No. *1823* Date *March 10th 89*
Rigdon Machine. Reel. *2*
 Turns *370* Cor. *+ 25* Depth *375*
 Shot or lead *35 lbs.*
 Bottom *fk. S.*
 Bottom temperature *44*
 No. of Thermometer *61755* Cor. *± 0*
 Corrected temperature *44*
 Air *73* Surface *73* Drift.
 Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>3-45-0</i>	<i>12-45</i>	0		
<i>06-45</i>	<i>12-15</i>	100		
<i>08-45</i>	<i>11-45</i>	200		
<i>08-0</i>	<i>11-0</i>	300		
<i>08-30</i>	<i>10-0</i>	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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25.00
26.00
27.00
28.00
29.00
30.00
31.00
32.00
33.00
34.00
35.00
36.00
37.00
38.00
39.00
40.00

SERIAL TEMPERATURE

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

REMARKS

No.

1824

Date

March 10th 1894

Machine.

Reel.

No. 3

Turns 626

Cor. 1 41

Depth 665

Shot or lead

Bottom

R.

Bottom temperature

39.2

No. of Thermometer

61455

Cor. ± 0

Corrected temperature

39.2

Air

42

Surface

43

Drift.

Trawl or dredge or tangles

SOUNDING WIRE

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

3-55-0

09.10

0

36-0

09.10

100

37-0

09.25

200

38-15

09.40

300

39-15

09.55

400

40-30

10.10

500

41-30

10.25

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.	WIND.	WIND. DIRECTION.
45				
60				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.



Hyd 1825

No. " Date March 10 1889

Sigsbee Machine. 2 Reel.

Turns 1410 Cor. + 24 Depth 1807

Shot or Lead 60 lbs.

Bottom br. M.

Bottom temperature 35.5

No. of Thermometer 61755 Cor. ± 0

Corrected temperature 35.5

Air 72 Surface 73 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
P.M. 5. 57. 55	32.00	0		
58. 45	31. 10	100		
59. 30	30. 30	200		
60. 15	29. 50	300		
61. 25	29. 05	400		
62. 15	28. 20	500		
63. 45	27. 30	600		
64. 40	26. 40	700		
65. 35	25. 50	800		
66. 30	24. 55	900		
67. 30	24. 05	1000		
68. 30	23. 15	1100		
69. 40	22. 35	1200		
70. 45	21. 15	1300		
71. 55	20. 10	1400		
72. 05	19. 00	1500		
73. 30	17. 50	1600		
74. 35	16. 20	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, DIRECTION.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Winds

No. 1826 Hyd. Date March 10th 1889

Sigsbee Machine. 2 Reel.

Turns 1552 Cor. 91 Depth 1643

Shot or lead 60 lbs

Bottom Br M.

Bottom temperature 35.5

No. of Thermometer 61755 Cor. ± 0

Corrected temperature 35.5

Air 70 Surface 70 Drift

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
P. M., DOWN.	P. M., UP.		DOWN.	UP.
10.11.00	10.49.00	0		
10.12.00	10.43.00	100		
10.13.00	10.42.00	200		
10.14.00	10.41.00	300		
10.15.00	10.40.00	400		
10.16.00	10.39.00	500		
10.17.00	10.38.00	600		
10.18.00	10.37.00	700		
10.19.00	10.36.00	800		
10.20.00	10.35.00	900		
10.21.00	10.34.00	1000		
10.22.00	10.32.00	1100		
10.23.00	10.30.30	1200		
10.24.00	10.29.30	1300		
10.25.00	10.28.30	1400		
10.26.00	10.27.30	1500		
10.26.30	10.27.00	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.	COOL.	WIND. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 1827 Date March 11th 1894
 Sigbee Machine. Reel. #2
 Turns 1660 Cor. + 95 Depth 1761.
 Shot or lead 60 lbs.
 Bottom dk. G. M.
 Bottom temperature 35.5
 No. of Thermometer 61755 Cor. ± 0
 Corrected temperature 35.5
 Air 69. Surface 71. Drift.
 Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4-44-0	12-0	0		
45-0	11-15	100		
46-0	10-45	200		
46-45	10-0	300		
47-15	9-15	400		
48-0	8-45	500		
48-45	8-0	600		
49-15	7-15	700		
50-30	6-45	800		
51-30	6-0	900		
52-0	5-15	1000		
54-0	4-45	1100		
55-0	4-0	1200		
56-0	3-15	1300		
57-0	2-45	1400		
58-0	2-0	1500		
59-0	1-15	1600		
5-0-0	5-0-30	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. *1825* Date *March 11" 1889**Sigsbee* Machine. *2* Reel.Turns *1662* Cor. *1* *72* Depth *1694*Shot or lead *60 lbs.*Bottom *gn M.*Bottom temperature *35.4*No. of Thermometer *61755* Cor. *± 0*Corrected temperature *35.4*Air *72* Surface *74* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>10. 57.30</i>	<i>32.00</i>	0		
<i>58.10</i>	<i>31.10</i>	100		
<i>59.00</i>	<i>30.30</i>	200		
<i>59.55</i>	<i>29.50</i>	300		
<i>11. 01.30</i>	<i>28.40</i>	400		
<i>02.30</i>	<i>27.45</i>	500		
<i>03.40</i>	<i>26.45</i>	600		
<i>04.30</i>	<i>25.55</i>	700		
<i>05.25</i>	<i>25.00</i>	800		
<i>06.25</i>	<i>24.05</i>	900		
<i>07.30</i>	<i>23.10</i>	1000		
<i>08.25</i>	<i>22.00</i>	1100		
<i>09.30</i>	<i>20.50</i>	1200		
<i>10.40</i>	<i>19.50</i>	1300		
<i>11.40</i>	<i>18.40</i>	1400		
<i>12.45</i>	<i>17.30</i>	1500		
<i>13.50</i>	<i>16.05</i>	1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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2900
2950
3000
3050
3100
3150
3200
3250
3300
3350
3400
3450
3500
3550
3600
3650
3700
3750
3800
3850
3900
3950
4000

SERIAL TEMPERATURE

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

REMARKS.

No. 1829 Hyd. Date March 11th 1891
 Sigbee Machine. 2 Reel.
 Turns 1618 Cor. + 93 Depth 1711
 Shot or lead 60 lbs
 Bottom gn. M.
 Bottom temperature 35.5
 No. of Thermometer 61753 Cor. ± 0
 Corrected temperature 35.5
 Air 69 Surface 71 Drift.
 Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5.10.00	5.45.00	0		
5.11.00	5.44.00	100		
5.12.00	5.43.00	200		
5.13.00	5.42.30	300		
5.14.00	5.42.00	400		
5.15.00	5.41.00	500		
5.16.00	5.40.00	600		
5.17.00	5.39.00	700		
5.18.00	5.38.20	800		
5.19.00	5.37.00	900		
5.20.00	5.36.00	1000		
5.21.00	5.35.00	1100		
5.22.00	5.34.00	1200		
5.24.00	5.33.00	1300		
5.25.00	5.31.30	1400		
5.26.00	5.30.30	1500		
5.27.00	5.29.30	1600		
5.27.20	5.29.00	1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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SERIAL TEMPERATURE

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

REMARKS

No.

2996

Date

March 16th 1896

Machine.

Reel.

Turns 108.

Cor. + 4

Depth

112

Shot or lead

35 lbs

Bottom

gn. m.

Bottom temperature

86

No. of Thermometer

61455

Cor. ± 0

Corrected temperature

56

Air

76

Surface

72

Drift 1/4 m. A. M.

Trawl or dredge or tangles

Large Beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

11-4-30

11-5-30

0

11-7-30 / 12-01-20

5-30

11-6-30

100

14-30

5-7-0

200

18-0

22-0

300

22-0

12-01-45

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Tomato Thompson's Ch. & Co. Ltd.
 Dredge

Large Beam
 Dredge

	5500	
	5400	
	5300	
	5200	
	5100	
	5000	
	4900	
	4800	
	4700	
	4600	
	4500	
	4400	
	4300	
	4200	
	4100	
	4000	
	3900	
	3800	
	3700	
	3600	
	3500	
	3400	
	3300	
	3200	
	3100	
	3000	
	2900	
	2800	
	2700	
	2600	
	2500	
	2400	
	2300	
	2200	
	2100	
	2000	
	1900	
	1800	
	1700	
	1600	
	1500	
	1400	
	1300	
	1200	
	1100	
	1000	
	900	
	800	
	700	
	600	
	500	
	400	
	300	
	200	
	100	
	0	

SERIAL TEMPERATURE

TEMP.	TIME	NO. OF THER.	DATE	TIME	TEMP.
55					
50					
40					
30					
20					
10					
0					
10					
20					
30					
40					
50					
60					
70					
80					
90					
100					

REMARKS

107
113.

No. 2997 Date March 16th 1889

Tanner Machine. Reel.

Turns 25 Cor. 1 6 Depth 221

Shot or lead 25 lbs.

Bottom gn. M.

Bottom temperature 49.5

No. of Thermometer 61755 Cor. ± 0

Corrected temperature 49.5

Air 75 Surface 73 Drift. 6 m. S. 17° W.

Trawl or dredge or tangles Large Beam

SOUNDING WIRE.			TURNS.	DREDGE ROPE.	
P. No.	DOWN.	UP.		DOWN.	UP.
1	26 10	34.15	0	1. 50.45	28.50
	26. 58	31.50	100	34.00	34.50
	28. 00	28.50	200	37.20	36.55
			300	40.30	16. 0
			400	43.50	13 N
			460	46. 0	
			500	48. 00	2. 0. 2
			600		
			700		
			800		
			900		
			1000		
			1100		
			1200		
			1300		
			1400		
			1500		
			1600		
			1700		
			1800		
			1900		
			2000		
			2100		
			2200		
			2300		
			2400		

No. 2798

Date March 16 1897

Machine.

Reel.

Turns 38 Cor. 1.2 Depth 40

Shot or lead 25 lbs

Bottom S. bk. sh.

Bottom temperature 10.4

No. of Thermometer 61755 Cor. ± 0

Corrected temperature 6.4

Air 45 Surface 42 Drift N $\times$ E $\frac{1}{4}$ E 1 mile

Trawl or dredge or tangles Large Beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

3 37 10 27.00

0

3.37.10 4.14.20

100

15 30 4.15.00

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Hauled surface net.

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

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF FATH.	4300.	TEMP.
15				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Wm H

No. 2999 Dredge Date March 16th 1889

Tanner Machine. 2 Reel.

Turns 37 Cor. 1 2 Depth 37

Shot or lead 26.66

Bottom cr S.

Bottom temperature 63.6

No. of Thermometer 61755 Cor. ± 0

Corrected temperature 63.6

Air 74 Surface 72 Drift. $\frac{1}{2}$ mi. S. 37.

Trawl or dredge or tangles Large beam

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11. 40.00	11. 42.30	0	11. 43.00	3-30
4. 41.40	11. 41.30	100	11. 46.00	6. 1.00
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Dredge left the ship at 4.56 a.m.
Capt. Gilbert and Mr. Henderson in the derrick
on shore.

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

SERIAL TEMPERATURES

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

REMARKS.

No.

3000

Date

March 16/89

Barrel

Machine.

Reel.

Turns

41

Cor.

+

Depth

42

Shot or lead

25 lb

Bottom

crs. s

Bottom temperature

61.5

No. of Thermometer

6155

Cor.

± 0

Corrected temperature

61.5

Air

76

Surface

72

Drift. NEXN 1/2 mile

Trawl or dredge or tangles

Oyster dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

5-9-20

11-2

0

5-10-20

5.30

10-0

5-10-20

100

150

200

16-30

5.27.00

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200

SERIAL TEMPERATURE

Barrel	Feet	No. of Ther.	Temp.	Time
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS

Wm. H. Smith

No. 3001 Date March 18th 89

Tanner Machine. Reel.

Turns 82 Cor. + 1 Depth 83

Shot or lead 25 lbs

Bottom fine gy. S. bk. Sh

Bottom temperature 64.5

No. of Thermometer 61755 Cor. ± 0

Corrected temperature 64.5

Air 72 Surface 72 Drift. N $\frac{1}{2}$ W $\frac{1}{2}$ E 1/2 mi

Trawl or dredge or tangles Cyst. dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5.32.00	5.33.00	0	5.33.00	5.42.30
		65	5.36.00	5.41.00
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE

Serial.	TEMP.	W. OF THERM.	COND.	TEMP. CORR.
25				
30				
40				
50				
60				
70				
80				
90				
100				
110				
120				
130				
140				
150				
160				
170				
180				
190				
200				

REMARKS.

No.

30021

Date

March 17/189

Machine.

Reel.

Turns

Cor.

Depth

17

Shot or lead

Bottom

S. S. M.

Bottom temperature

No. of Thermometer

Corrected temperature

Air

72

Surface

70

Drift

Trawl or dredge or tangles

Dredge

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

REMARKS.

No. *3003*Date *March 17 1907*Machine *Lucas*

Reel.

Turns

Cor. + *10*Depth *9*

Shot or lead

Bottom *crs*

Bottom temperature

No. of Thermometer

Corrected temperature

} *none* Cor.Air *71.2*Surface *74*Drift *71.1*Trawl or dredge or tangles *Regulus dredge*

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

*7:25 50**7:40 100**7:55 200**8:10 300**8:25 400**8:40 500**8:55 600**9:10 700**9:25 800**9:40 900**9:55 1000**10:10 1100**10:25 1200**10:40 1300**10:55 1400**11:10 1500**11:25 1600**11:40 1700**11:55 1800**12:10 1900**12:25 2000**12:40 2100**12:55 2200**1:10 2300**1:25 2400*

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

SPECIAL TEMPERATURE

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

REMARKS

No. *3004* Date *March 11/11*
 Machine. *Hand* Reel.
 Turns *212* Cor. *1* Depth *213*
 Shot or lead
 Bottom *S. Sh.*
 Bottom temperature
 No. of Thermometer } *None* Cor.
 Corrected temperature
 Air *72* Surface *70* Drift *None*
 Trawl or dredge or tangles *None*

SOUNDING WIRE		TURNS.	DREDGE ROPE,	
DOWN.	UP.		DOWN.	UP.
		0	<i>11:30</i>	<i>12:15</i>
		100	<i>11:38</i>	<i>12:23</i>
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Dredge & tangles found

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

SERIAL TEMPERATURE

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

REMARKS

No. *5805*Date *March 1892*Name *Hand*

Machine.

Reel.

Turns

Cor. +

Depth

*21*Shot or lead *9 lb*Bottom *S. Sh. Mud*

Bottom temperature

No. of Thermometer

Corrected temperature

Air *45*Surface *71*

Drift

*4 mi S. E.*Trawl or dredge or tangles *Hand Reel*

SOUNDING WIRE.

1. 16. DOWN,

UP.

TURNS.

DREDGE ROPE.

DOWN,

UP.

0

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

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

SERIAL TEMPERATURE

DEPTH.	TEMP.	NO. OF THER.	SER.	WIL. TEMP.
75				
90				
110				
130				
150				
160				
180				
200				
220				
240				
260				
280				
300				
320				
340				
360				
380				
400				
420				
440				
460				
480				
500				
520				
540				
560				
580				
600				
620				
640				
660				
680				
700				
720				
740				
760				
780				
800				
820				
840				
860				
880				
900				
920				
940				
960				
980				
1000				

REMARKS.

Lat. 13.

No. 3006

Date March 17 1889.

Hand lead. Machine. Reel.

Turns Cor. Depth 8

Shot or lead 9 lbs.

Bottom Sh

Bottom temperature

No. of Thermometer } None Cor. None

Corrected temperature

Air 75 Surface 71 Drift. No S. E.

Trawl or dredge or tangles Large Beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

Lat. 13.

22.30

0

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

Lat. 13.

22.30

25 00

43.40

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.
15				
30				
45				
60				
75				
90				
105				
120				
135				
150				
165				
180				
195				
210				
225				
240				
255				
270				
285				
300				
315				
330				
345				
360				
375				
390				
405				
420				
435				
450				
465				
480				
495				
510				
525				
540				
555				
570				
585				
600				
615				
630				
645				
660				
675				
690				
705				
720				
735				
750				
765				
780				
795				
810				
825				
840				
855				
870				
885				
900				
915				
930				
945				
960				
975				
990				
1000				

REMARKS

571
M.H.

No. 3007 Date March 17th 1889

Machine. 2 Reel.

Turns 338 Cor. + 24 Depth 362

Shot or lead 35 lbs

Bottom gn. M.

Bottom temperature 44.5

No. of Thermometer 61755 Cor. ± 0

Corrected temperature 44.6

Air 69 Surface 69 Drift. NNE $1\frac{1}{4}$ miles

Trawl or dredge or tangles Large Beam

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
12.33.00	12.41.00	0	12.45.00	2.50.00
12.34.30	12.40.00	100	12.50.00	2.2.00
12.36.00	12.39.00	200	12.54.00	1.39.30
12.37.30	12.38.00	300	12.57.00	1.56.00
		400	1.01.00	1.54.00
		500	1.04.00	1.52.00
		600	1.07.00	1.50.00
		700	1.10.00	1.46.00
		730	1.11.00	1.44.00
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

This ship crossed many ice
 leading in.

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3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900
5000

SERIAL TEMPERATURE

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

REMARKS.

No.

3008

Date

March 18th 1891

Sigsbee

Machine.

Reel.

#2

Turns 285

Cor. +

21

Depth

306

Shot or lead

35 lbs

Bottom

Bottom temperature

46

No. of Thermometer

61755

Cor. ± 0

Corrected temperature

46

Air

70

Surface

67

Drift.

Ham. 21.

Trawl or dredge or tangles

Larvae Benthos

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

16-00-0	8-30	0	16-12-0	18-30
3-15	8-0	100	15-30	15-50
4-0	7-30	200	19-0	12-0
5-	6-30	300	23-0	9-0
		400	25-0	5-50
		500	28-0	2-50
		600	31-30	4-50
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SURFACE TEMPERATURE

DEPTH	TEMP.	NO. OF THER.	COR.	COR. TEMP.
10				
20				
30				
40				
50				
60				
70				
80				
90				
100				
110				
120				
130				
140				
150				
160				
170				
180				
190				
200				
210				
220				
230				
240				
250				
260				
270				
280				
290				
300				
310				
320				
330				
340				
350				
360				
370				
380				
390				
400				
410				
420				
430				
440				
450				
460				
470				
480				
490				
500				
510				
520				
530				
540				
550				
560				
570				
580				
590				
600				
610				
620				
630				
640				
650				
660				
670				
680				
690				
700				
710				
720				
730				
740				
750				
760				
770				
780				
790				
800				
810				
820				
830				
840				
850				
860				
870				
880				
890				
900				
910				
920				
930				
940				
950				
960				
970				
980				
990				
1000				

REMARKS

Lat 13. 30 N

No. *3009* Date *March 20th 1889*

Sigsbee Machine. *2* Reel.

Turns *808* Cor. + *40* Depth *857*

Shot or Lead *35-lbs.*

Bottom *gn M.*

Bottom temperature *27.7*

No. of Thermometer *61755* Cor. ± 0

Corrected temperature *27.7*

Air *67* Surface *66* Drift, $1\frac{1}{2}$ m *18. N.*

Trawl or dredge or tangles *Large Brans.*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

1. No.	DOWN.	UP.	TURNS.	1. No.	DOWN.	UP.
4.	54. 15	08. 35	0	6.	12. 30	8. 38. 00
	53. 15	07. 15	100		16. 00	8. 36. 00
	50. 30	06. 50	200		19. 30	8. 33. 00
	44. 20	06. 05	300		22. 15	8. 29. 40
	35. 15	05. 23	400		25. 30	8. 26. 30
	26. 15	04. 30	500		28. 20	8. 23. 20
	17. 25	03. 45	600		31. 10	8. 20. 30
	08. 30	02. 45	700		33. 40	8. 17. 30
	59. 30	01. 45	800		36. 10	8. 14. 00
			900		39. 05	8. 11. 00
			1000		42. 00	8. 8. 30
			1100		44. 45	8. 5. 45
			1200		48. 00	8. 02. 00
			1300		52. 15	7. 55. 00
			1400		53. 00	7. 50. 10
			1500		56. 15	7. 40. 50
			1600		59. 50	7. 32. 50
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SEIHAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50	60	55306	± 0	60
100	58.1	57264	- .1	58
200	51.5	61592	+ .1	51.6
300	45.1	57260	- .4	44.7
400	43.6	61753	± 0	42.6
500	40.9	61751	± 0	40.9
600	37.8	51451		
700	37.6	57260	- .4	37.2
800				
900				
1000				

REMARKS.

	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	63.6	61585	+ .1	63.7
100	57	54815	- .3	56.7
200	50.1	57264	- .4	49.9
300	44.5	61758	± 0	44.5
400	43	61572	+ .2	43.2
500	41.5	57260		
600	40.6	57264		
700	39.8	51451		
800	38.1	61751		
900	34.6	61755	± 0	34.6
1000				

REMARKS.

6765 was put down to 400 fms
7765 & 6765, and registered
56.3.

Lat. 43.

No. *1830* Date *March 20th 89*

Sigsbee Machine. *2* Reel.

Turns *563* Cor. + *38* Depth *601*

Shot or lead *35 lbs.*

Bottom *gn. M.*

Bottom temperature *39.8*

No. of Thermometer *61755* Cor. *± 0*

Corrected temperature *39.8*

Air *70* Surface *66* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>6. 24. 30</i>	<i>37. 10</i>	0		
<i>25. 30</i>	<i>36. 20</i>	100		
<i>26. 30</i>	<i>35. 30</i>	200		
<i>27. 35</i>	<i>34. 40</i>	300		
<i>28. 40</i>	<i>33. 50</i>	400		
<i>29. 50</i>	<i>33. 55</i>	500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Good Surface 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	63.5	61592	+1	63.6
100	57.8	57260	-5	57.7
200	51.0	51451		
300	45.8	61701	± 0	45.8
400	43.6	57262	- .4	43.2
500	41.0	61755	± 0	41.0
600				
700				
800				
900				
1000				

REMARKS:

5000

1585

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1585

$$\begin{array}{r} 1000 \\ 75 \\ \hline 1075 \end{array} \quad \begin{array}{r} 1000 \\ 25 \\ \hline 975 \end{array}$$

$$\begin{array}{r} 8870 \\ 1550 \\ \hline 10420 \end{array} \quad \begin{array}{r} 8870 \\ 1520 \\ \hline 10390 \end{array} \quad \begin{array}{r} 130 \\ 27 \\ \hline 157 \end{array}$$

$$\begin{array}{r} 8000 \\ 1200 \\ \hline 9200 \end{array}$$

$$\begin{array}{r} 140 \\ 60 \\ \hline 200 \end{array}$$

$$\begin{array}{r} 8870 \\ 1120 \\ \hline 9990 \end{array}$$

$$\begin{array}{r} 130 \\ 50 \\ \hline 180 \end{array}$$

$$\begin{array}{r} 8870 \\ 1390 \\ \hline 10260 \end{array}$$

$$\begin{array}{r} 1700 \\ 1500 \\ \hline 3200 \end{array}$$

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Conversion Table Rule #2

Lat.	Seconds	Lat.	Seconds	Cor.
0	50	35	1000	1.26
0	100	37	1100	1.32
1	150	39	1200	1.38
1	200	41	1300	1.42
2	250	43	1400	1.46
3	300	45	1500	1.49
4	350	47	1600	1.52
4	400	49	1700	1.55
5	450	51	1800	1.57
6	500	53	1900	1.59
7	550	55	2000	1.61
8	600	57	2100	1.63
9	650	59	2200	1.65
10	700	61	2300	1.67
11	750	63	2400	1.69
12	800	65	2500	1.71
13	850	67	2600	1.73
14	900	69	2700	1.75
15	950	71	2800	1.77
16	1000	73	2900	1.79
17	1050	75	3000	1.81
18	1100	77	3100	1.83
19	1150	79	3200	1.85
20	1200	81	3300	1.87
21	1250	83	3400	1.89
22	1300	85	3500	1.91
23	1350	87	3600	1.93
24	1400	89	3700	1.95
25	1450	91	3800	1.97
26	1500	93	3900	1.99
27	1550	95	4000	2.01
28	1600	97	4100	2.03
29	1650	99	4200	2.05
30	1700	101	4300	2.07
31	1750	103	4400	2.09
32	1800	105	4500	2.11
33	1850	107	4600	2.13

No of terms in sub-5x/0
branches 100

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$\frac{27}{27} = 1$

Dr. [Signature]