

2387 4-2408

Age 590 4 Age 676

No. *590* Date *July 1st 1882**Sigsbee* Machine. Reel.Turns *38* Cor. *2* Depth *40*Shot or lead *14 lb.*Bottom *fine M. S. S. S.*

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

*7+6-00**380*

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

BATHYTHERMOGRAPH

DEPTH	TEMP.	NO. OF THER.	TIME	NO. OF THER.
0				
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				

REMARKS:

No. 2387 Date Feb 4 am.
 Tanner. Machine. Reel.

Turns 31 Cor. 1 Depth 32

Shot or lead 14 lb

Bottom S. gravel, brk. sh.

Bottom temperature Not taken.

No. of thermometer Cor.

Corrected temperature

Air Surface 61 Drift

Trawl or dredge L 70 J.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

7-46-30

47-40

0

2-15-20

10-20

31 10065

2-50-20

2-10-20

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Put rose line
 no fish taken.

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

SOUND TEMPERATURES

DEPTH	TEMP	NO. OF CORRS.	LOG	WIND TEMP
24				
27				
30				
33				
36				
39				
42				
45				
48				
51				
54				
57				
60				
63				
66				
69				
72				
75				
78				
81				
84				
87				
90				
93				
96				
99				

REMARKS

Oxygen water, fish, hydroxide,
 stryge.

dead water bottom

No. 1791 Date Dec 4 6 AM

Machine. Reel.

Turns 24 Cor. + 1 Depth 25

Shot or lead 14 lb

Bottom gy. S

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

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

Put out lines.

no fish

100
 900
 700
 600
 500
 400
 300
 200
 100
 0
 100
 200
 300
 400
 500
 600
 700
 800
 900
 1000

LIQUID TEMPERATURE

DEPTH	TEMP.	NO. OF THER.	TIME	WIND DIR.
0				
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				

WIND

No. 2358 Date Feb 4 1888

Tanner Machine. Reel.

Turns 24 Cor. + 1 Depth 35

Shot or lead 14-lb.

Bottom yel. S. brk. sh.

Bottom temperature Not taken.

No. of thermometer Cor.

Corrected temperature

Air 61 Surface 61 Drift

Trawl or dredge L. B. J.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

9-44-30

0

18-03-15

34 100

07-45 18-50

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Tot over line;
no fish taken.

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

SUBIAL TEMPERATURES

DEPTH	TEMP.	NO. OF THER.	DIR.	TIME TEMP.
0				
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				

DIAGRAM:

Sand bottom. Several feet up reaches of
 fish, crustaceans, sponges, squid, few
 blue shells, and large quantity of sand dollars.
 Sponges, hydroids, siphonous tubes.

No. 2339 Date March 17 1891Sigsbee Machine. Reel.Turns 26 Cor. + Depth 27Shot or lead 14 lbBottom gy S. bk shBottom temperature Not taken

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<u>12-17-05</u>		0	<u>11-16-10</u>	<u>22-00</u>
		<u>26 1000</u>	<u>11-02</u>	<u>20-30</u>
		100		
<u>No. fish</u>		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURES

DEPTH	TEMP.	DIR. OF TEMP.	DIR.	WIND TEMP.
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				

REMARKS:

Small catch - by type, porcupine urchins, small sponges, sea urchins, fish, fragments of coral. Several starfish.

No. 392 Date March 10 p.m.

Tanner Machine. Reel.

Turns 35 Cor. 1 Depth 36

Shot or lead 14 lb.

Bottom fine gy S shd sp

Bottom temperature not taken

No. of thermometer Cor.

Corrected temperature

Air Surface 61 Drift

Trawl or dredge none

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

2-11-98

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

No. of fish

No. 2390 Date March 4 P.M.

Sigsbee Machine. Reel.

Turns 79 Cor. + 1 Depth 80

Shot or lead 14 lb

Bottom Co. S. bk. sp. Sh.

Bottom temperature Not taken.

No. of thermometer Cor.

Corrected temperature

Air Surface 62 Drift

Trawl or dredge L. B. ?

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

12-45-15

0

1-01-50 28-40

100 80

8-15 25-25

200

No fath.

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	500	
	400	
	300	
	200	
	100	
	0	
	100	
	200	
	300	
	400	
	500	
	600	
	700	
	800	
	900	
	1000	

ABRITAL TEMPERATURES

DEPTH	TIME	ML. IN CORE	TEMP.	CON. TEMP.
35				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS

Very similar to the preceding.

No. 2891 Date March 24th 1902

Sigsbee Machine. Reel.

Turns 24 Cor. + 1 Depth 25

Shot or lead 14 lb.

Bottom gy. S. bk. sp.

Bottom temperature Not taken.

No. of thermometer Cor.

Corrected temperature

Air - Surface 59 Drift

Trawl or dredge F. B. J.

SOUNDING WIRE.

DOWN.

UP.

TURNS

DREDGE ROPE.

DOWN.

UP.

2-03-30

0

2-03-30 24-20

24 10070

27-20 21-50

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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

SERIAL TEMPERATURES

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

REMARKS:

Lead bottom
 Mostly s. & sh. shells some coral frags.

No. 593 Date Feb 24 1902.

Tanner Machine. Reel.

Turns 27 Cor. 1 Depth 28

Shot or lead 14 lb.

Bottom Co. S bk of brk sh.

Bottom temperature Not taken.

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

2-22-02

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

No fish

		220	
		230	
		240	
		250	
		260	
		270	
		280	
		290	
		300	
		310	
		320	
		330	
		340	
		350	
		360	
		370	
		380	
		390	
		400	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	W. OF SURF.	WIND	WIND. DIR.
50				
100				
150				
200				
250				
300				
350				
400				
450				
500				
550				
600				
650				
700				
750				
800				
850				
900				
950				
1000				

REMARKS.

No. 594

Date

March 21, 1902

Machine

Reel

Tarus 2-1

Cor. 1

Depth

22

Shot or lead

12 lb.

Bottom

fine wh S.

Bottom temperature

Not taken.

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

4-15-02

0

2-1 100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

No. feet

12000
 11000
 10000
 9000
 8000
 7000
 6000
 5000
 4000
 3000
 2000
 1000
 0
 1000
 2000
 3000
 4000
 5000
 6000
 7000
 8000
 9000
 10000
 11000
 12000

SERIAL TEMPERATURES

DEPTH	TEMP.	NO. OF THERM.	TIME	WIND - DIR.
0				
10				
20				
30				
40				
50				
60				
70				
80				
90				
100				
110				
120				
130				
140				
150				
160				
170				
180				
190				
200				

REMARKS.

No. 595 Date *March 4 p.m.**Tanner* Machine. Reel.

Turns 21 Cor. 1 Depth 22

Shot or lead 14 lb.

Bottom fine wh S.

Bottom temperature Not taken

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

FATHS.

DREDGE ROPE.

DOWN.

UP.

5-20-00

0

21 100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

No fish

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

WIND TEMPERATURES.

TIME	WIND	WIND TEMP.	DIR.	WIND TEMP.
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				

REMARKS

No. *596* Date *March 7 AM*

Tanner Machine. Reel.

Turns *27* Cor. *1* Depth *30*

Shot or lead

Bottom *gy S ball. sh. br. sp.*Bottom temperature *Not taken*

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING-WIRE

DOWN.

UP.

TURNS.

DREDGE ROPE

DOWN.

UP.

5-48

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

1. 0. surface

1000
 900
 800
 700
 600
 500
 400
 300
 200
 100
 0
 100
 200
 300
 400
 500
 600
 700
 800
 900
 1000

NETIC TEMPERATURES.

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

REMARKS:

No. 597 Date *Mch 7 am*

Tanner Machine. Reel.

Turns 28 Cor. 1 Depth 29

Shot or lead 14 lb

Bottom *fl S bk of brk sh.*Bottom temperature *the same.*

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
6-44		0		
		100		
		200		
		300		
1 Anchor (ark)		400		
9 Sinker (red)		500		
1 Sinker (large blk)		600		
1 Sinker		700		
2 Sinker (red)		800		
6 Sinker (green)		900		
2 Sinker		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

HEIG.	TIME	LOC. OR TIME	TEMP.	WIND. TIME
43				
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				

REMARKS:

No. 1598 Date March 7th 1885
 Sigsbee Machine. Reel.
 Turns 20 Cor. 1 Depth 21
 Shot or lead 12 lbs.
 Bottom gy. S. bc. of sub. sh.
 Bottom temperature Not taken
 No. of thermometer Cor.
 Corrected temperature
 Air Surface Drift
 Trawl or dredge

SOUNDING WIRE.		THICK.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8-42-00		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
Station 7		1000		
Station 6		1100		
Station 5 (hand)		1200		
Station 3		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

WINDY TEMPERATURES.

Hour.	Temp.	Wind	Dir.	Force
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				

REMARKS

No. 599 Date *March 7 1881.*
Sigsbee Machine, Reel.
 Turns *29* Cor. *1* Depth *30*
 Shot or lead
 Bottom *gy S br. of the sh.*
 Bottom temperature
 No. of thermometer Cor.
 Corrected temperature
 Air Surface Drift
 Trawl or dredge

SOUNDING WIRE.		FMS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>9-10</i>		0		
		<i>29</i> 100		
		200		
		300		
<i>Ground</i>		400		
<i>Produce</i>		500		
		600		
<i>No fish taken</i>		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SUBAL THERMISTERS

DEPTH	DATE	No. of THER.	TIME	WIND DIRECTION
5				
10				
15				
20				
25				
30				
35				
40				
45				
50				
55				
60				
65				
70				
75				
80				
85				
90				
95				
100				

REMARKS

No. 600 Date March 7 A.M.

Tanner Machine Reel.

Turns 26 Cor. + Depth 27Shot or lead 14 lb.Bottom gy. s. brk. sh. bk. sh.Bottom temperature Not taken.

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE		TURNS	DREDGE ROPE	
DOWN.	UP.		DOWN.	UP.
<u>9-08</u>		0		
		26 100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

700
 800
 900
 1000
 1100
 1200
 1300
 1400
 1500
 1600
 1700
 1800
 1900
 2000
 2100

SERIAL NUMBERS

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

REMARKS

No. 601

Date *March 7 a.m.**Sanner*

Machine. Reel.

Turns *28* Cor. *1* Depth *29*Shot or lead *14 lb*Bottom *gy. S. bk. sp. fm. S.*Bottom temperature *Not taken*

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

15-02-50

0

28 100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

5000
 4500
 4000
 3500
 3000
 2500
 2000
 1500
 1000
 500
 0
 -500
 -1000
 -1500
 -2000
 -2500
 -3000
 -3500
 -4000
 -4500
 -5000

NETAL TEMPERATURES

DEPTH	TEMP.	No. of THER.	DATE	LOC. NAME
5				
10				
15				
20				
25				
30				
35				
40				
45				
50				
55				
60				
65				
70				
75				
80				
85				
90				
95				
100				

FORM 100

No. 502 Date March 7 A.M.

Tanner Machine. Reel.

Turns 27 Cor. 1st lb Depth 28Shot or lead 1st lbBottom gy s. bk sfo. brk. sh.

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE

DOWN,

UP.

TURNS

DREDGE ROPE

DOWN,

UP.

10-24-00

0

27 100

300

log - 2000

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

1400
 1300
 1200
 1100
 1000
 900
 800
 700
 600
 500
 400
 300
 200
 100
 0

NETAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THERM.	DAY.	NO. - 1888
0				
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				
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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. 603 Date 7/26/07 a.m.

Machine. Reel.

Turns 28 Cor. 1 Depth 29

Shot or lead 12 lb

Bottom gy. S. M. sp. brk. G.S.

Bottom temperature Not taken.

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE

DREDGE ROPE

DOWN.

UP.

TURNS.

DOWN.

UP.

70-40-30

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

* 3000 ft

* 1000 ft (small)

1000
 900
 800
 700
 600
 500
 400
 300
 200
 100
 0
 100
 200
 300
 400
 500
 600
 700
 800
 900
 1000

VERTICAL TEMPERATURES

DEPTH	TEMP	NO. OF THERM.	TIME	WIND DIRECTION
0				
10				
20				
30				
40				
50				
60				
70				
80				
90				
100				

REMARKS:

No. 604 Date March 7 am

Sigsbee Machine. Reel.

Turns 27 Cor. + 1 Depth 28

Shot or lead 14 lb

Bottom gy. S. M. of. brk. sh.

Bottom temperature Not taken

No. of thermometer _____ Cor. _____

Corrected temperature _____

Air _____ Surface _____ Drift _____

Trawl or dredge _____

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<u>11-43-30</u>		0		
		100		
		200		
<u>2. Sigsbee No. 1</u>		300		
<u>2. Sigsbee No. 1</u>		400		
<u>3. Sigsbee</u>		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

No. 605 Date Rich 4 2.72~~Tanner~~ Machine. Reel.Turns 30 Cor. + Depth 31Shot or lead 100Bottom gy S bt of br. shBottom temperature Not taken.

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<u>1-26-02</u>		0		
		<u>30</u> 100		
		200		
		300		
<u>R. Snodgrass 11</u>	<u>5</u>	400		
<u>R. Snodgrass 11</u>	<u>2</u>	500		
<u>Forgie 1</u>	<u>1</u>	600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURES

Depth.	Time	No. of Therm.	Use	W. Ther.
4				
5				
10				
15				
20				
25				
30				
35				
40				
45				
50				
55				
60				
65				
70				
75				
80				
85				
90				
95				
100				

REMARKS

No. *606* Date *Feb 7 1874*
Sigsbee Machine, Reel.
 Turns *32* Cor. *0* Depth *33*
 Shot or lead *14 lb*
 Bottom *gy. S. G. S. G.*
 Bottom temperature *Not taken.*
 No. of thermometer Cor.
 Corrected temperature
 Air Surface Drift
 Trawl or dredge

SOUNDING WIRE		TURNS	DREDGE HOPE.	
DOWN.	UP.		DOWN.	UP.
<i>11-58-1/2</i>		0		
		100		
		200		
		300		
<i>No fath.</i>		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	1500	
	1600	
	1700	
	1800	
	1900	
	2000	
	2100	
	2200	
	2300	
	2400	
	2500	
	2600	
	2700	
	2800	
	2900	
	3000	

SERIAL TEMPERATURE

TIME	TEMP.	NO. OF THER.	IND.	REL. HUM.
05				
10				
15				
20				
25				
30				
35				
40				
45				
50				
55				
60				

REMARKS:

No. *507* Date *March 7 7m*
Sanner Machine. Reel.
 Tarus $8\frac{1}{2}$ Cor. *1* Depth $32\frac{1}{2}$
 Shot or lead *14 lb.*
 Bottom *fine gy S bk of*
 Bottom temperature *not taken*
 No. of thermometer _____ Cor. _____
 Corrected temperature _____
 Air Surface Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>12-16</i>		0		
		100		
		200		
		300		
<i>no fish.</i>		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2600
 2500
 2400
 2300
 2200
 2100
 2000
 1900
 1800
 1700
 1600
 1500
 1400
 1300
 1200
 1100
 1000
 900

SERIAL TEMPERATURE

TIME	TEMP.	NO. OF VIBS.	WIND	WIND DIRECTION
11:00				
11:05				
11:10				
11:15				
11:20				
11:25				
11:30				
11:35				
11:40				
11:45				
11:50				
11:55				
12:00				

REMARKS

no fish taken

No. *608* Date *Oct 7 p.m.*

Machine. Reel.

Turns *30* Cor. *1* Depth *31*

Shot or lead

Bottom *fine gy S th sf.*

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>12:33</i>		0		
		100		
<i>No fath</i>		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

WIND TEMPERATURES

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

REMARKS:

No. *609* Date *Mich 7 1872*
Tanner Machine. Reel.
 Turns *28* Cor. *1* Depth *29*
 Shot or lead *14 lb*
 Bottom *fine gy. S.*
 Bottom temperature *Not taken*
 No. of thermometer Cor.
 Corrected temperature
 Air Surface Drift
 Trawl or dredge

SOUNDING WIRE.

DRAWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

*12-56-00**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**No fath*

	200	
	250	
	300	
	350	
	400	
	450	
	500	
	550	
	600	
	650	
	700	
	750	
	800	
	850	
	900	
	950	

ARITHMETICAL PROGRESSION

TERM	1ST	2ND	3RD	4TH	5TH
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
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95					
96					
97					
98					
99					
100					

DISTANCE

No. 610 Date March 7 1890
 Sigsbee Machine. Reel
 Turns 200 Cor. + 1 Depth 201
 Shot or lead 35 lb.
 Bottom Co. s. bk. S. f. G. M.
 Bottom temperature Not taken
 No. of thermometer Cor.
 Corrected temperature
 Air Surface Drift
 Trawl or dredge

SOUNDING WIRE		TURNS	DREDGE ROPE	
DOWN.	UP.		DOWN.	UP.
1216		0		
		100		
		200		
No fish		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

No. 611 Date *March 7 1872.**Tanner* Machine. Reel.Turns *26* Cor. *1* Depth *27*Shot or lead *10 lb*Bottom *wh S sec. of sh.*Bottom temperature *Not taken*

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1-26-72</i>		0		
		100		
		200		
<i>No fish</i>		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2000
 2001
 2002
 2003
 2004
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 2087
 2088
 2089
 2090
 2091
 2092
 2093
 2094
 2095
 2096
 2097
 2098
 2099
 2100

GENERAL INFORMATION

NO.	NAME	DATE OF BIRTH	SEX	RELIGION
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				
31				
32				
33				
34				
35				
36				
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38				
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76				
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79				
80				
81				
82				
83				
84				
85				
86				
87				
88				
89				
90				
91				
92				
93				
94				
95				
96				
97				
98				
99				
100				

REMARKS

No. *612* Date *March 7 1891*

Tanner Machine. Reel.

Turns *26* Cor. ' Depth *27*Shot or lead *14 lb*Bottom *f. S. bk. G.*Bottom temperature *Not taken*

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DRAWN.	UP.		DOWN.	UP.
<i>1-55-00</i>		0		
		100		
		200		
<i>No fish</i>		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

No. 613. Date *March 7 p.m.**Tanner* Machine. Reel.Turns *25* Cor. + *1* Depth *26*Shot or lead *14 lb*Bottom *fine s. & sh. sp.*Bottom temperature *not taken*

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

*2:10-30**No fath.*

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

No. 514 Date March 7 p.m.

Tanner Machine. Reel.

Turns 25 Cor. 1 Depth 26

Shot or lead 14 lb

Bottom Cr. S. M. gy. sh

Bottom temperature not taken

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2-23.		0		
		100		
		200		
		300		
No find		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
 2000
 1500
 1000
 500
 0
 500
 1000
 1500
 2000
 2500

STATE, TERRITORY OR P.C.

Year	1880	1890	1900	1910
25				
50				
75				
100				
125				
150				
175				
200				
225				
250				
275				
300				
325				
350				
375				
400				
425				
450				
475				
500				

REMARKS:

No. 615 Date March 7. 1900

Tanner Machine. Reel.

Turns 28 Cor. 1 Depth 29

Shot or lead

Bottom fine s. sh. l. clayBottom temperature not taken

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
NOVS.	FT.		NOVS.	FT.
<u>2-57-30</u>		0		
		100		
		200		
		300		
<u>no fish</u>		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURES

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

REMARKS

No. 516 Date March 7 1902

Sigsbee Machine. Reel.

Turns 28 Cor. 21 Depth 29.

Shot or lead 35 lb.

Bottom fine sh. & M. sp.

Bottom temperature not taken

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TENS.

DREDGE ROPE.

DOWN.

UP.

3 15 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

No. 516

2000
 2500
 3000
 3500
 4000
 4500
 5000
 5500
 6000
 6500
 7000
 7500
 8000
 8500
 9000
 9500
 10000

SERIAL TEMPERATURES.

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

REMARKS:

No. 617 Date Nov 7, 1902

Tanner Machine. Reel.

Turns 28 Cor. 1/1 Depth 27

Shot or lead 14 lb

Bottom sand. I. sh. sp.

Bottom temperature not taken

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3-31-92		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		

1000
 900
 800
 700
 600
 500
 400
 300
 200
 100
 0
 100
 200
 300
 400
 500
 600
 700
 800
 900
 1000

WIND TEMPERATURES



REMARKS:

No. 618 Date March 7 1902

Sigsbee Machine. Reel.

Turns 26 Cor. 1 Depth 27

Shot or lead 14 lb

Bottom f. s. sh. sp. br. sh

Bottom temperature not taken

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

DREDGE ROPE.

DOWN.

UP.

3. 27. 42.

No fish

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

2000
 2100
 2200
 2300
 2400
 2500
 2600
 2700
 2800
 2900
 3000
 3100
 3200
 3300
 3400
 3500
 3600
 3700
 3800
 3900
 4000

ORBITAL VELOCITIES

TIME	TYPE	NO. OF STARS	TYPE	NO. STARS
00				
05				
10				
15				
20				
25				
30				
35				
40				
45				
50				
55				
00				

REMARKS:

No. 619

Date Dec 7 1880

Tanner Machine. Reel.

Turns = 1 Cor. 1 Depth 25

Shot or lead 14 lb

Bottom gy lx S bk 8 ft

Bottom temperature Not taken

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

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

14 lb

No fish

No. 620 Date March 7 1871
 Sigsbee Machine. Reel.
 Turns 25 Cor. " Depth 26
 Shot or lead 35 lb.
 Bottom gy. bk. S. bk. Sh.
 Bottom temperature Not taken
 No. of thermometer Cor.
 Corrected temperature
 Air Surface Drift
 Trawl or dredge

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

2500
 2000
 1700
 1500
 1300
 1100
 900
 700
 500
 300
 100
 0

WIND TEMPERATURES.

TIME	TEMP.	WIND DIRECTION	WIND FORCE	WIND STATE
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				

REMARKS.

No. 621 Date March 4 1870

Tanner Machine. Reel.

Turns 25 Cor. Depth 26

Shot or lead 16 lb

Bottom gy. sh. B. bk. sh.

Bottom temperature Not taken

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

4-12 25-75

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

No. 522 Date Wed 7 June

Sigsbee Machine. Reel.

Turns 21 Cor. + 1 Depth 22

Shot or lead 12 lb

Bottom gy. M. S. ls. brk. sh.

Bottom temperature Not taken

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<u>4-55-00</u>		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
 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

VERTICAL TEMPERATURE

DEPTH	TEMP.	NO. OF THER.	TIME	LOC. NAME
0				
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. 62-3 Date March 25, 1901

Machine. Reel.

Turns 75 Cor. Depth 26

Shot or lead 14 lb

Bottom gy. M. S. brk. Sh.

Bottom temperature Not taken.

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5-10-00		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		

7300
 7400
 7500
 7600
 7700
 7800
 7900
 8000
 8100
 8200
 8300
 8400
 8500
 8600
 8700
 8800
 8900
 9000

SERIAL TEMPERATURES

DEPTH	TEMP.	NO. OF THERM.	TIME	NO. THERM.
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. *624* Date *March 7 1902*~~Sounding~~ Machine. Reel.Turns *27* Cor. *1* Depth *28*

Shot or lead

Bottom *gy. sh. S. brk. sh.*

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

15-32-80

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

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

TEMPERATURE

Time	date	no. of runs	run	at 1000
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32				
33				
34				
35				
36				
37				
38				
39				
40				
41				
42				
43				
44				
45				
46				
47				
48				
49				
50				
51				
52				
53				
54				
55				
56				
57				
58				
59				
60				
61				
62				
63				
64				
65				
66				
67				
68				
69				
70				
71				
72				
73				
74				
75				
76				
77				
78				
79				
80				
81				
82				
83				
84				
85				
86				
87				
88				
89				
90				
91				
92				
93				
94				
95				
96				
97				
98				
99				
100				

RELATIONS

No. *625* Date *March 7th 1880*
Sigsbee Machine. Reel.

Turns *27* Cor. *0* Depth *28*

Shot or lead

Bottom *gy. ct. & brk sh.*

Bottom temperature *Not taken*

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>5-25-08</i>		0		
		<i>27</i> 100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	200	
	250	
	300	
	350	
	400	
	450	
	500	
	550	
	600	
	650	
	700	
	750	
	800	
	850	
	900	
	950	

SERIAL TEMPERATURES

DEPTH	TEMP.	WIND DIRECTION	WIND	WAVE HEIGHT
0				
10				
20				
30				
40				
50				
60				
70				
80				
90				
100				
110				
120				
130				
140				
150				
160				
170				
180				
190				
200				

REMARKS

No. 626 Date *March 7 p.m.**Tanner* Machine. Reel.

Turns 27 Cor. + 1 Depth 28

Shot or lead 14 lb.

Bottom gy. M. S. brk. Sh.

Bottom temperature *Not taken*

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

5-56-00

0

100

OK. Sample 11

200

S " 12 11

300

S " Sample 13, 14

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500
 2000
 1700
 1500
 1000
 500
 0
 500
 1000
 1500
 2000
 2500
 3000
 3500
 4000

SOIL TEMPERATURES.

DEPTH	DATE	TIME OF DAY	DIR.	WIND FORCE
2 1/2				
0"				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 627 Date *March 5 6.20*

Tanner Machine. Reel.

Turns *29* Cor. Depth *30*

Shot or lead

Bottom *gy - bk S. bk. sh.*

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE

DOWN

UP

5-55-00

*Fishing - several
fath - none bottom*

TECHS.

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

1200
 1100
 1000
 900
 800
 700
 600
 500
 400
 300
 200
 100
 0

SUBAL TEMPERATURES

DEPTH	TEMP.	NO. OF THER.	TIME	NAME OF OBS.
0				
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. 628 Date March 8 A.M.

Tanner Machine. Reel.

Turns 28 Cor. = 1 Depth 29

Shot or lead 14 lb

Bottom gy. bk s. sh. sh.

Bottom temperature Not taken

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE

DOWN.

UP.

TURNS.

DREDGE ROPE

DOWN.

UP.

6-47-00

0

100

Grandin R III

200

Infusions 1

300

Spotted bird 1

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

		2100	
		2200	
		2300	
		2400	
		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

VERTICAL TEMPERATURES

DEPTH	TEMP.	WIND DIRECTION	WIND	WIND SPEED
0				
10				
20				
30				
40				
50				
60				
70				
80				
90				
100				
110				
120				
130				
140				
150				
160				
170				
180				
190				
200				

REMARKS:

No. 629 Date Feb 8 am

Sigsbee Machine. Reel.

Turns 28 Cor. 1 Depth 29

Shot or lead 14-lb

Bottom gy. s. & bk. fl.

Bottom temperature Not taken

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

7.34

16. Sample 1111

16. Sample 1

Failed to take

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
 2000
 1500
 1000
 500
 0
 500
 1000
 1500
 2000
 2500

WHEAT YIELD/T/ACR.

No. (11)	TIME	NO. OF TONS	LBS.	GAL. (GMP)
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				

WHEAT

No. 530 Date *Wed 8 am**Kanon Machine.* Reel.Turns *30* Cor. *r^l* Depth *31*Shot or lead *19 lb*Bottom *gy. sh. & white*Bottom temperature *not taken*

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

8 ft. 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

No. 19 lb

	2400	
	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES

TEMP.	DATE	TIME	PLACE	WIND
40				
50				
60				
70				
80				
90				
100				
110				
120				
130				
140				
150				
160				
170				
180				
190				
200				

REMARKS

No. 531 Date Mar. 3, 1880

Machine: _____ Reel: _____

Turns 26 Cor. 1 Depth 27Shot or lead 14 lb.Bottom gy. s. bk. sh.Bottom temperature not taken

No. of thermometer _____ Cor. _____

Corrected temperature _____

Air _____ Surface _____ Drift _____

Trawl or dredge _____

SOUNDING WIRE		TURNS	DREDGE ROPE	
TOWN.	DEP.		TOWN.	DEP.
<u>8.22</u>	<u>20</u>	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		

No. feet

	650	
	700	
	750	
	800	
	850	
	900	
	950	
	1000	
	1050	
	1100	
	1150	
	1200	
	1250	
	1300	
	1350	
	1400	
	1450	
	1500	
	1550	
	1600	
	1650	
	1700	
	1750	
	1800	
	1850	
	1900	
	1950	
	2000	

SUBAL TEMPERATURES.

DEPTH.	YEAR	NO. OF THERM.	TEMP.	NO. OF THERM.
20				
30				
40				
50				
60				
70				
80				
90				
100				
110				
120				
130				
140				
150				
160				
170				
180				
190				
200				

REMARKS.

No. 632 Date *March 8 a.m.*

Thompson Machine. Reel.

Turns 28. Cor. - 1 Depth 27

Shot or lead 14 lb

Bottom gy. bk. S. S. br. sh.

Bottom temperature not taken

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

DEPTH.

DREDGE ROPE.

DOWN.

UP.

9 13 13

No fath

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

No. 633

Date *March 8 1900*

Tanner Machine. Reel.

Turns *28* Cor. *11*Depth *27*Shot or lead *14 lb*Bottom *gy. sh. S. bk. sh.*Bottom temperature *not taken*

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

*9.10**3 fms 6**4 fms 2*

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

No. 534 Date *Feb 8 2 1904**Tanner* Machine. Reel.

Turns 27 Cor. +1 Depth 28

Shot or lead 14 lb

Bottom *gl. brk sh*Bottom temperature *not taken*

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.		FATHOMS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>9.58.30</i>		0		
		100		
		200		
<i>No fish</i>		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

300
 250
 200
 150
 100
 50
 0
 50
 100
 150
 200
 250
 300

INITIAL TEMPERATURES

TIME	TEMP.	W. TO T. P.	W. TO W.	W. TO W.
0				
10				
20				
30				
40				
50				
60				
70				
80				
90				
100				

REMARKS

No. 635 Date March 8 1900

Jarvis Machine. Reel.

Turns 20 Cor. + 1 Depth 31

Shot or lead 10 lb

Bottom gy S. brk sh

Bottom temperature Surf 62.0

No. of thermometer _____ Cor. _____

Corrected temperature _____

Air _____ Surface _____ Drift _____

Trawl or dredge _____

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<u>2-56-30</u>		0		
		<u>20</u> 100		
		200		
<u>No fath.</u>		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



TABLE 1: EMPLOYEE COUNTS

Year	Q1	Q2	Q3	Q4	Total
2018	1200	1300	1400	1500	5400
2019	1300	1400	1500	1600	5800
2020	1400	1500	1600	1700	6200
2021	1500	1600	1700	1800	6600
2022	1600	1700	1800	1900	7000

TABLE 2: QUARTERLY EMPLOYEE COUNTS

No. 636 Date March 8 p.m.

Machine. Reel.

Torus 27 Cor. Depth 30

Shot or lead 12 lb

Bottom Co gy S dk. Sn

Bottom temperature Not taken.

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.		FATHOMS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3-10-00		0		
		100		
		200		
No lead		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

No. *637* Date *March 8 1872.**Tanner* Machine. Reel.Torus *20* Cor. + Depth *29*

Shot or lead

Bottom *gy. S. s. &c.*Bottom temperature *Not taken.*

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>3-30-53</i>		0		
		<i>29</i> 100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2300	
	2400	
	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

WIND TEMPERATURES

TIME	WIND	WIND DIRECTION	TEMP.	WIND TEMP.
05				
10				
15				
20				
25				
30				
35				
40				
45				
50				
55				
60				
65				
70				
75				
80				
85				
90				
95				
100				

REMARKS:

	2900	
	2800	
	2700	
	2600	
	2500	
	2400	
	2300	
	2200	
	2100	
	2000	
	1900	
	1800	
	1700	
	1600	
	1500	
	1400	
	1300	
	1200	
	1100	
	1000	

VERTICAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THERMS.	TIME.	WIND.
40				
50				
100				
150				
200				
250				
300				
350				
400				
450				
500				
550				
600				
650				
700				
750				
800				
850				
900				
950				
1000				

REMARKS:

No. 2392 Date March 13th 1897

Sigsbee Machine. Reel. 1

Turns 656 Cor. 68 Depth 724

Shot or lead 30 lb.

Bottom br. gy. M.

Bottom temperature +1

No. of thermometer 53741 Cor. "

Corrected temperature 11.7

Air Surface Drift

Trawl or dredge L-70. V.

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5-27-10	46-15	0	6-27-30	41-20
29-10	45-15	100	40-50	39-50
20-20	44-30	200	40-30	36-10
31-50	43-20	300	40-30	33-15
33-20	42-20	400	53-30	20-05
34-45	41-20	500	56-40	27-10
35-10	40-10	600	7-00-30	24-00
37-10	39-10	656/700	4-20	21-55
		800	8-30	17-50
		900	12-00	15-10
		1000	16-30	12-10
		1100	20-45	8-05-20
		1200	41-10	
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURES.

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

90 11

REMARKS:

2 species birds. 1 sp. cub coral, 1 sp. coral
 1/2 malacca geryon (coral), 1 sp. coral
 1/2 shrimps + 1/2 sp. deep sea fish, 1 sp.
 Annelid (coral) 1/2 starfish, 1/2
 Aphrodisia

No. 2393 Date Nov 13 6 PM

Sigsbee Machine. Reel. 1

Turns 475 Cor. + 50 Depth 525

Shot or lead 35 lb. and water surface.

Bottom lt. gy. M.

Bottom temperature 41.5

No. of thermometer 50741 Cor.

Corrected temperature

Air 70.4 Surface 64.4 Drift

Trawl or dredge L. W. J.

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
7-37-20	55-10	0	10-48-50	24-00
38-40	53-05	100	52-05	21-20
39-45	51-30	200	54-15	18-40
41-10	49-05	300	58-05	16-00
42-35	47-05	400	01-30	13-30
43-50	45-30	475	5-05	11-10
		600	9-05	8-20
		700	12-45	5-40
		800	16-25	03-05
		900	19-35	12-50-00
		1000	23-50	56-30
		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 TEMPERATURES. ^{by} Hole spec.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	65	53733	+ .2	65.2
50	64	53739	-	64.
100	58	50306	- .1	57.9
200	^{MISSING} 56	52732		
300	46	52312	- .2	45.7
400	43.5	53741	- .5	43
525 500	+1.5	53741	- .5	41
600	Drill	Temperatureal water cut		
700	at 500	ft. Upper valve failed		
800	to seat,	and cut was found to		
900	leak at	presence of 5 to 10 lbs.		
1000				

REMARKS:

2 sp. halo, 3 sp. Mollusca, several sp. Brachiopods, and the fish; fossils

No. 2394 Date *March 13 12.72.*

Sigsbee Machine. Reel. 1

Turns 350 Cor. + 10 Depth 420

Shot or lead 35 lb.

Bottom *gn. M.*

Bottom temperature 42.2

No. of thermometer 53740 Cor.

Corrected temperature

Air Surface 66 Drift

Trawl or dredge

SOUNDING WIRE.			DREDGE ROPE.	
DOWN.	UP.	TURNS.	DOWN.	UP.
1-34-40	46-10	0	48-30 <small>5.15</small>	12-40
16-50	44-20	100	50-25 <small>5.15</small>	9-45
37-35	43-10	200	54-00 <small>4.30</small>	7-35
39-00	42-30	300	58-20 <small>4.15</small>	05-00
40-15	41-25	350	2-01-40 <small>4.05</small>	02-20
		400	5-40 <small>3.55</small>	59-40
		500	8-30 <small>3.45</small>	56-45
		600	11-40 <small>4.15</small>	53-30
		700	15-50 <small>4.25</small>	50-05
		800	19-10	
		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	

SEVERAL TEMPERATURES:

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

REMARKS:

Lot of small crustacea, sponges, sea
anemones, hermit crabs, sea urchins,
moll sponges - 3-4 sp. fish, worms.

No. 2395 Date Nov 13 p.m.
 Sigbee Machine. Reel. 1

Turns 312 Cor. + 35 Depth 347

Shot or lead 35 lb.

Bottom gy. m.

Bottom temperature 44.5

No. of thermometer 53741 Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4-31-00	40-00	0	4-43-00	6 02 30
32-00	38-30	100	46-30	59 50
33-10	37-00	200	49-00	57 15
34-30	36-00	300	53-00	54 20
34-45	35-45	312 400	56-45	51 45
		500	5-00-45	48 45
		600	58-45	46 10
		700	5-42-45	5 42 40
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURES.

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

REMARKS:

Thynnus sp. fish, one fresh specimen,
 large school mackerel. Large lot of
Hydrobia, *Cardium* (small shells), *Tridacna*
cardium, etc.

No. 2296 Date *March 13 1891*

Sigsbee Machine. Reel. 1

Turns 302 Cor. + 33 Depth 335

Shot or lead 35 lb

Bottom gy. M

Bottom temperature Not taken

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.

DOWNS.

UP.

TURNS.

DREDGE ROPE.

DOWNS.

UP.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWNS.	UP.		DOWNS.	UP.
6-09-50	17-45	0	6-22-10	39-30
10-10	16-30	100	25-30	36-20
11-15	15-25	200	29-15	33-45
12-45	13-50	302	33-40	30-50
		400	37-45	27-50
		500	41-15	25-15
		600	45-10	22-20
		700	48-30	19-05
		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	TIME	NO. OF THERM.	TEMP.	DIR. TEMP.
25				
30				
40				
50				
70				
80				
90				
100				
120				
150				
200				
250				

REMARKS:

1 day specimen fish, - have similar
 to 1295, var. dark at lateral.

No. 2397 Date *March 14 1877*
Sigsbee Machine. Reel. 1

Turns 250 Cor. 30 Depth 280

Shot or lead 35 lb.

Bottom gy. M.

Bottom temperature 46.5

No. of thermometer 53741 Cor.

Corrected temperature

Air 64 Surface 65 Drift

Trawl or dredge LTB J.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

5-32-00 40-50

33-20 39-40

34-25 38-00

36-00 37-00

0

100

200

250³⁰⁰

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.

5-49-20 7-11-20

54-10 58-50

59-10 56-30

62-10 54-20

66-20 51-00

70-40 48-30

75-00 45-20

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

SERIAL TEMPERATURES.

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

REMARKS:

of spec. fish: some sphaerocarpus;
 one calappa; 2 sp. molluscs. some
 fine shrimp, other small crustaceans;
 # of sp. fish. same lots. 1 sp.

No. 2398 Date *March 10 a.m.*
Sigsbee Machine. Reel. 1
 Turns 203 Cor. + 24 Depth 227
 Shot or lead 35 lb
 Bottom gy. M.
 Bottom temperature 49
 No. of thermometer 50741 Cor.
 Corrected temperature
 Air Surface Drift
 Trawl or dredge L. N. J.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8-24-20	30-20	0	8. 34-45	30-20
25-20	29-05	100	35-50	25-15
26-20	27-40	203 ²⁰⁰	40-45	24-20
		300	44-15	27-10
		400	48-20	24-50
		500	52-25	9-22-50
		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	

SPITAL TEMPERATURES

DEPTH	DATE	NO. OF THER.	COND.	TEMP.
25				
30				
40				
50				
60				
70				
80				
90				
100				
110				
120				
130				
140				
150				
160				

REMARKS:

Not even found (noting). Recorder was
 100 ft. - similar results the same things
 at 100 ft.

No. 2399

Date March 14 6 AM

Signature

Machine.

Reel. 1

Turns 175 Cor. 21 Depth 196

Shot or lead 35 lb

Bottom gy. M.

Bottom temperature 52

No. of thermometer 2741

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge L. 70 D.

SOUNDING WIRE

DREDGE ROPE

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
10-57-40	57-20	0	11-04-40	5-45
53-35	56-40	100	08-10	02-10
54-20	55-20	175 200	12-40	59-05
		300	18-40	56-25
		400	22-40	53-15
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURES

NO. IN	TEMP.	NO. OF TUBES	TIME	WIND
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				
31				
32				
33				
34				
35				
36				
37				
38				
39				
40				

REMARKS:

Small clouds - thick - moderate - foggy
 + gale, for sun

Trawl at ¹² slow.

No.

No. 2400

Date March 11, 1891

Sigsbee

Machine.

Reel.

Turns 163 Cor. 6

Depth 169

Shot or lead 25 lb

Bottom gy. M.

Bottom temperature Not taken.

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge L. B. J.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1-22-10	20-40	0	1-22-00	21-10
25-00	19-05	100	1-16-30	20-00
28-50	18-15	163 200	10-10	20-10
		300	9-40-30	21-50
		400	118-10	18-15
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURES.

DEPTH	TEMP.	NO. OF THER.	TYP.	WIND TEMP.
05				
50				
100				
150				
200				
250				
300				
350				
400				
450				
500				
550				
600				
650				
700				
750				
800				
850				
900				
950				
1000				

REMARKS:

Sec of casts: 3rd up down, number of living shells

3 gals for down

No. 2401 Date *March 1st 1891*
Tanner Machine. Reel.
 Turns 137 Cor. 5 Depth 142
 Shot or lead 25 lb
 Bottom gn M. fuc sh
 Bottom temperature *Not taken*
 No. of thermometer Cor.
 Corrected temperature

Air Surface Drift
 Trawl or dredge *L. B. J.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>7-30</i>	<i>7-50</i>	0	<i>10-10</i>	<i>2-30</i>
<i>4-30</i>	<i>5-10</i>	137	<i>18-30</i>	<i>26-30</i>
		200	<i>21-45</i>	<i>27-30</i>
		300	<i>25-45</i>	<i>34-30</i>
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*Put over surface
 buoy net*

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

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	REF. TEMP.
25				
30				
40				
50				
60				
70				
80				
90				
100				
110				
120				
130				
140				
150				
160				
170				
180				
190				
200				

REMARKS:

Nice lot of *Soterygaster* (see sketches)
 Many *Physarum*; numbers of *Coeloc*
 some large basins *Thalass* - 3 or 4 ft high
 1 sea anemone very much resembling
Urticina *perla*

No. *2202* Date *March 14 1902*
Tanner Machine. Reel.
 Turns *107* Cor. *21* Depth *111*
 Shot or lead *25 lb.*
 Bottom *gy M.*
 Bottom temperature *Not taken.*
 No. of thermometer Cor.
 Corrected temperature
 Air Surface Drift
 Trawl or dredge *L. R. J*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>6-17-00</i>	<i>21-30</i>	<i>0</i>	<i>6-21-45</i>	<i>17-30</i>
<i>19-15</i>	<i>19-30</i>	<i>107</i>	<i>24-25</i>	<i>19-20</i>
		<i>200</i>	<i>29-50</i>	<i>11-20</i>
		<i>300</i>	<i>32-50</i>	<i>08-25</i>
		<i>400</i>	<i>38-30</i>	<i>7-05-20</i>
		<i>500</i>		
		<i>600</i>		
		<i>700</i>		
		<i>800</i>		
		<i>900</i>		
		<i>1000</i>		
		<i>1100</i>		
		<i>1200</i>		
		<i>1300</i>		
		<i>1400</i>		
		<i>1500</i>		
		<i>1600</i>		
		<i>1700</i>		
		<i>1800</i>		
		<i>1900</i>		
		<i>2000</i>		
		<i>2100</i>		
		<i>2200</i>		
		<i>2300</i>		
		<i>2400</i>		

*Surface towing net
 feet over, daylight
 among other things one
 paper nautilus (see
 gravant log)*

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

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THERM.	SUR.	WIND TEMP.
05				
10				
150				
200				
250				
300				
350				
400				
450				
500				
550				
600				
650				
700				
750				
800				
850				
900				
950				
1000				

REMARKS:

Large number of fish - 5 or 6 species
 large number crabs, mollusks, living shells.

No. 2403 Date March 15th 1883

Tanner Machine Reel

Turns 85 Cor. = 2 Depth 88

Shot or lead 14 lbs

Bottom gy. M.

Bottom temperature Not taken

No. of thermometer Cor.

Corrected temperature

Air 67 Surface 66 Drift

Trawl or dredge L. N. 7

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3-30-40	3-36-45	0	5-56-40	24-42
		100	59-10	21-40
		200	61-2-10	18-40
		300 ⁵⁵	65-10	17-10
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURES.

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

REMARKS:

Surface of water, showing small waves, calm sea, many insects (ants), low for finding shells, number of shells shown mostly of small type.

No. 2404 Date *March 15* a.m.*Tanner* Machine. Reel. 1

Turns 58 Cor. 1 2 Depth 60

~~Shot or lead~~ 25 lb

Bottom gy. S.

Bottom temperature *Note taken*

No. of thermometer Cor.

Corrected temperature

Air 68 Surface 65 Drift

Trawl or dredge *L. T. J.*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7-43-00	7-47-00	0	7-49-30	23-30
	7-46-00	100	54-00	20-30
		200	57-00	17-00
		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	
	4300	
	4400	
	4500	
	4600	
	4700	
	4800	
	4900	
	5000	

SUBAL TEMPERATURES.

DEPTH.	DATE	No. of Cans.	TIME	LOC. (LAT. LONG.)
25				
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				

REMARKS:

Several large flat sea urchins, Lot of fish including many species omitted. Numerous shells, few dead shells, - dead bottom.

No. 2405 Date *March 15 - 1912*

Tanner Machine. Reel.

Turns 29 Cor. + 1 Depth 30

Shot or lead 25 lb

Bottom gy. S bk. Co.

Bottom temperature Not taken.

No. of thermometer Cor.

Corrected temperature

Air 68 Surface 68 Drift

Trawl or dredge L 70 J.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

9-28-50

-11-00

0

9-45-30

07-25

29 100 90

9-05

10-24-40

300

Found a tailed
hook on the sounding
wire, but found no
indications of fish.

300

400

500

600

700

Found a second
sounding with
bitter hook - no
fish.

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2900
 2800
 2700
 2600
 2500
 2400
 2300
 2200
 2100
 2000
 1900
 1800
 1700
 1600
 1500
 1400
 1300
 1200
 1100
 1000

SERIAL TEMPERATURES

DEPTH	TEMP.	NO. OF THER.	DATE	TIME
20				
30				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Very poor haul of dead shells mixed
 with some life, quantity of bygonia, small
 sand, fish, or several large sea urchins;
 starfish, scapoid, many sea

No. 2406 Date Dec 15th 1891

Tanner Machine. Reel.

Turns 25 Cor. + 1 Depth 26

Shot or lead 25 lb.

Bottom Co S Co.

Bottom temperature Not taken.

No. of thermometer Cor.

Corrected temperature

Air 66 Surface 68 Drift

Trawl or dredge L. B. J.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

VI-81-20

24-30

0

26-25

51-20

25-100⁵⁰

27-00

42-10

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Time fishing without success

After trawl came up caught one R. grompe with hook and line

	2700	
	2600	
	2500	
	2400	
	2300	
	2200	
	2100	
	2000	
	1900	
	1800	
	1700	
	1600	
	1500	
	1400	
	1300	
	1200	
	1100	
	1000	

SEMI-TEMPERATURES.

DEPTH	TEMP.	WIND DIRECTION	WIND	WAVE PERIOD
05				
10				
15				
20				
25				
30				
35				
40				
45				
50				
55				
60				
65				
70				
75				
80				
85				
90				
95				
100				

REMARKS.

Similar to the preceding, but
 large halothionium, abundance of living shells.

No. 2457 Date March 15 P.M.

Tanner Machine. Reel.

Turns 23 Cor. + 1 Depth 24

Shot or lead 25 lb

Bottom Co. bk. sh.

Bottom temperature Not taken.

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge L. 73. J

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

1-14-15

0

28-00

49-00

23 10020

31-00

47-00

200

300

400

500

Ran 1/2 m. S. W. E. S.

600

next part

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

250
 260
 270
 280
 290
 300
 310
 320
 330
 340
 350
 360
 370
 380
 390
 400

WIND, TEMPERATURES.

DIR.	FORCE	WIND VELOCITY	TEMP.	WIND TIME
05				
10				
15				
20				
25				
30				
35				
40				
45				
50				
55				
60				
65				
70				
75				
80				
85				
90				
95				
100				

REMARKS.

No. 609 (H.A.) Date March 15 1914.

Sigsbee Machine. Reel.

Turns 23 Cor. 1 Depth 24

Shot or lead

Bottom S. Co. brk. sh.

Bottom temperature Not taken

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

1-53-53

0

23 100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

No fath.

Ran 1 m. 38 1/2 to
next fath.?

	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	

SECTAL TEMPERATURES

DEPTH	TEMP	NO. OF THERM	LOC	DATE TIME
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. 640 (No. 1) Date *March 15 p.m.*

Tanner Machine. Reel.

Turns *23* Cor. + 1 Depth *24*

Shot or lead.

Bottom *S. Co. bk. sh*Bottom temperature *not taken*

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.

DOWNS.

UPS.

TURNS.

DREDGE ROPE.

DOWNS.

UPS.

2-58-00

0

23 100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

*No fish**Ran 1 mile
SSE to next
point.*

4500
 3500
 2700
 2000
 1500
 1000
 700
 500
 400
 300
 200
 100

SERIAL TEMPERATURES

NO.	TEMP.	NO. OF THERM.	DATE	TIME
11				
24				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

TABLE

No. 641 Date *March 15 p.m.*
Larson Machine. Reel. 1

Turns *22* Cor. 1 Depth *23*

Shot or Lead *25 lb*

Bottom *Co. S. bk. th.*

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.

DOWS.

FT.

FMS.

DREDGE ROPE.

DOWS.

FT.

2-20-00

0

2-100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Put over line,
 length 40 ft
 trawling. Murret
 shot & stop brought
 to line and avoid
 the trawling, no
 more fish found.
 Saw 1 m. SSE
 to next part.

No. 642 Date March 15 1882

Tanner Machine. Reel.

Turns 75 Cor. + 1 Depth 76Shot or lead 20 lbBottom Co. S. brk. sh.

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

SEAM.

FT.

TURNS.

DOWN.

UP.

2-44-70

0

75 100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

P. S. Smith

Change of position

74 miles S. S. E.

and back again.

no fish.

From 1 mile S. S. E.

to next position.

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

AIRIAL TEMPERATURES

DEPTH.	TEMP.	WIND DIR.	WIND.	SEA STATE.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:



No. 642 Date *Nov 10 1896.*

Tanner Machine. Reel.

Turns $22^{\frac{1}{2}}$ Cor. + Depth *24*Shot or lead *25 lb*Bottom *S. Co.*Bottom temperature *Not taken*

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE

10000.

100.

TURNS

DREDGE ROPE

10000.

100.

3-17-00

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

*Several bottom fish
no fish caught**Mounted 33 E 1 m.*

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

VERTICAL TEMPERATURES.

DEPTH	DATE	NO. OF LOGS	LOW	HIGH TEMP.
75				
50				
25				
0				
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.

No. 6444 Date March 15 1906
~~Tanner~~ Machine. Reel. 1
 Turns 23 Cor. + 1 Depth 24
 Shot or lead 25 lb
 Bottom S. Co brk sh
 Bottom temperature 62.5
 No. of thermometer 52741 Cor.
 Corrected temperature *
 Air Surface 62.5 Drift
 Trawl or dredge

SOUNDING WIRE.		FATHOMS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<u>3-33-00</u>		0		
		100		
		200		
<u>No fish</u>		300		
		400		
<u>Ran 1 m, SST</u>		500		
<u>to next position.</u>		600		
		700		
		800		
		900		
<u>† Surface temperature</u>		1000		
<u>taken by same ther-</u>		1100		
<u>moeter as bottom</u>		1200		
<u>temperature.</u>		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

1200
 1100
 1000
 900
 800
 700
 600
 500
 400
 300
 200
 100
 0

SERIAL TEMPERATURES.

TIME.	TEMP.	PLACE.	WIND.	WIND VELOCITY.
05				
10				
15				
20				
25				
30				
35				
40				
45				
50				
55				
60				
65				
70				
75				
80				
85				
90				
95				
100				

REMARKS:

No. 640 Date *March 15 p.m.*

Tanner Machine Reel.

Turns 25 Cor. 1 Depth 26

Shot or lead 25 lb

Bottom S. G. sp. brk. sh.

Bottom temperature *None taken*

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

2-53-23

0

2500

200

No fish.

300

400

Ran 1/2 m. 55 ft
to next position.

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2100
 2050
 2000
 1950
 1900
 1850
 1800
 1750
 1700
 1650
 1600
 1550
 1500
 1450
 1400
 1350
 1300
 1250
 1200
 1150
 1100
 1050
 1000
 950
 900
 850
 800
 750
 700
 650
 600
 550
 500
 450
 400
 350
 300
 250
 200
 150
 100
 50
 0

WHITE SUBGRAPHY.

Year	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990	2000
2100											
2050											
2000											
1950											
1900											
1850											
1800											
1750											
1700											
1650											
1600											
1550											
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1400											
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1250											
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1150											
1100											
1050											
1000											
950											
900											
850											
800											
750											
700											
650											
600											
550											
500											
450											
400											
350											
300											
250											
200											
150											
100											
50											
0											

REMARKS:

No. 626 Date March 10th p.m.

Tanner Machine Reel.

Turns 25 Cor. 1 Depth 26

Shot or lead 24-lb.

Bottom Sec. for, gy. S. Co.

Bottom temperature Not taken.

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

4-02-30

0

25-100

No fish

200

300

Ran 1/2 hr. SST
to next position.

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

1
 2
 3
 4
 5
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 7
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 12
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 18
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 83
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 85
 86
 87
 88
 89
 90
 91
 92
 93
 94
 95
 96
 97
 98
 99
 100

SUMMARY OF WORK & FINDINGS

DEPTH	TEMP.	DIR. OF CURR.	VEG.	WIND TEMP.
05				
10				
15				
20				
25				
30				
35				
40				
45				
50				
55				
60				
65				
70				
75				
80				
85				
90				
95				
100				

REMARKS

No. 647 Date March 15 1892.

Sigsbee Machine. Reel.

Turns 26 Cor. + 1 Depth 27

Shot or lead 25 lb.

Bottom gy S Hk of Co

Bottom temperature Not taken.

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.		FATHOMS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4-12-20		0		
		100		
No fish		200		
SE by E 1/2 mile		300		
to next position		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

HEWLETT CHARACTERISTICS

HEWLETT	TYPE	WAVELENGTH	CLASS	CLASS TYPE
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				
31				
32				
33				
34				
35				
36				
37				
38				
39				
40				

REMARKS

No. 648 Date *Mar 15 pm.**Sanner* Machine. Reel.Turns *50* Cor. *1* Depth *56*Shot or lead *25 lb*Bottom *wh S bk sp. brk. sh.*Bottom temperature *Not taken*

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE

DOWN.

UP.

TURNS.

DREDGE ROPE

DOWN.

UP.

4-24-02

0

25 100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

*No fish.**Ran 3 miles E & S
to next post.*

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

HEFTIG. FÜRBEREITUNG

NR.	NAME	PLATZ NR.	PLATZ	PLATZ GRÖSSE
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				
31				
32				
33				
34				
35				
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37				
38				
39				
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42				
43				
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91				
92				
93				
94				
95				
96				
97				
98				
99				
100				

REMARKS:

No. 649 Date *March 15 7 a.m.*
Tanner Machine. Reel.
 Turns *25* Cor. + *1* Depth *26*
~~Shot or lead~~ *25-lb.*
 Bottom *wh. S. fine. Sh.*
 Bottom temperature *Not taken*
 No. of thermometer Cor.
 Corrected temperature
 Air Surface Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>4-50-30</i>		0		
		<i>5</i> 100		
		200		
<i>Ran 3 m. 2 E to</i>		300		
<i>and 4 position</i>		400		
<i>No fish.</i>		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

AERIAL TEMPERATURES.

NO. OF	WIND	NO. OF THERM.	DIR.	WIND TEMP.
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

REMARKS.

No. 650

Date March 15 - 1892

Tanner

Machine.

Reel.

Turns 23

Cor.

Depth 212

Shot or lead 21 lb

Bottom yel S. brk of. brk S. brk

Bottom temperature Not taken

No. of thermometer

Cor.

Corrected temperature

Air

Surface 62

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

5-22 40

0

23 100

No fish

100

300

Near 2 m, N E
to next junction

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

HISTAL. VANDERBILT

DATE	1898	NO. OF SHEETS	1899	1900
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				
31				
32				
33				
34				
35				
36				
37				
38				
39				
40				
41				
42				
43				
44				
45				
46				
47				
48				
49				
50				
51				
52				
53				
54				
55				
56				
57				
58				
59				
60				
61				
62				
63				
64				
65				
66				
67				
68				
69				
70				
71				
72				
73				
74				
75				
76				
77				
78				
79				
80				
81				
82				
83				
84				
85				
86				
87				
88				
89				
90				
91				
92				
93				
94				
95				
96				
97				
98				
99				
100				

REMARKS

No. 651 Date *March 15* p.m.

Sigsbee Machine. Reel.

Turns $21\frac{1}{2}$ Cor. * Depth *22*Shot or lead *35 lb*Bottom *Co.*Bottom temperature *not taken*

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>5-45-00</i>		0		
<i>No fath.</i>		$21\frac{1}{2}$ 100		
<i>Race 1 m. N.E.</i>		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

WIND VELOCITY

Hour	Wind	No. of Turns	Dir.	Dir. Time
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				

REMARKS:

No. 652 Date *March 5th p.m.*

Tanner Machine. Reel.

Turns *22* Cor. *1* Depth *23*Shot or lead *25 lb*Bottom *fr. wh. S. bk. sh.*Bottom temperature *not taken*

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

6:02:30-

0

22
100

200

Caught 2 squids

300

400

Ran 1 m.

500

*2.5 to 5 (p.c.) to
net + for it*

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	500	
	400	
	300	
	200	
	100	
	0	
	-100	
	-200	
	-300	
	-400	
	-500	
	-600	
	-700	
	-800	
	-900	
	-1000	

WIND VELOCITY

WIND	TIME	NO. OF HRS.	PER	OF YEAR
14				
16				
18				
20				
22				
24				
26				
28				
30				
32				
34				
36				
38				
40				
42				
44				
46				
48				
50				
52				
54				
56				
58				
60				
62				
64				
66				
68				
70				
72				
74				
76				
78				
80				
82				
84				
86				
88				
90				
92				
94				
96				
98				
100				

REMARKS

No. 653 Date March 15th 1880

Tanner Machine. Reel.

Turns 225 Cor. 1 Depth 21

Shot or lead 25 lb

Bottom Co. gy. S.

Bottom temperature Not taken.

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

1000 F.

FT.

TURNS.

FATHOMS.

FT.

6-50-30

0

No-fath.

25 100

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

No. 654 Date Feb 16. 1880

Sigsbee Machine. Reel.

Turns 20 Cor. 1 Depth 21

Shot or lead 25 lb

Bottom brk sh

Bottom temperature Not taken

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

580

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

No fish

Run 5 m. 5 (p+) to
next position

3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0

SOIL TEMPERATURES

DEPTH	TIME	NO. OF THER.	TEMP.	DATE TIME
2 1/2				
5				
10				
15				
20				
25				
30				
35				
40				
45				
50				
55				
60				
65				
70				
75				
80				
85				
90				
95				
100				

NUMBER

No. 555

Date *March 16 A.M.*

Tanner Machine. Reel.

Turns 23 Cor. + 1 Depth 24

Shot or lead 25 lb

Bottom *fn. w. sand, blk sp., brk. sh.*Bottom temperature *Temp. taken*

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

622

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

*No fish.**Pen 5 m. S (1/2 m) to
next position*

No. 656 Date *March 16 1882*

Tanner Machine. Reel.

Turns 26 Cor. + 1 Depth 27

Shot or lead 25 lbs

Bottom *f. wh. S. bk. sp.*

Bottom temperature *Not taken*

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
70.5		0		
		100		
<i>No fath.</i>		200		
		300		
<i>Ran 5 m. S S E (1/2)</i>		400		
<i>to usual position</i>		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2700
 2600
 2700
 2600
 2500
 2400
 2300
 2200
 2100
 2000
 1900
 1800
 1700
 1600
 1500
 1400
 1300
 1200
 1100
 1000

SEWAGE TREATMENT PLANT

Station	Depth	Water level	Temp	Wind
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				
31				
32				
33				
34				
35				
36				
37				
38				
39				
40				
41				
42				
43				
44				
45				
46				
47				
48				
49				
50				
51				
52				
53				
54				
55				
56				
57				
58				
59				
60				
61				
62				
63				
64				
65				
66				
67				
68				
69				
70				
71				
72				
73				
74				
75				
76				
77				
78				
79				
80				
81				
82				
83				
84				
85				
86				
87				
88				
89				
90				
91				
92				
93				
94				
95				
96				
97				
98				
99				
100				

REMARKS:

No. 457 Date *March 16 a.m.**Tanner* Machine. Reel.Turns *23* Cor. + *1* Depth *24*Shot or lead *25 lb*Bottom *fish S. brk. Sh*Bottom temperature *Not taken*

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>7.51</i>		0		
		<i>23</i> 100		
		200		
		300		
<i>Stop fish</i>		400		
		500		
<i>Then 5 m. S. by E. 1/2 S.</i>		600		
<i>(1/2) to next position</i>		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

DEPTH-TEMPERATURES

DEPTH	TEMP.	NO. OF THERM.	NO.	NO. OF THERM.
0				
10				
20				
30				
40				
50				
60				
70				
80				
90				
100				
110				
120				
130				
140				
150				
160				
170				
180				
190				
200				

REMARKS.

No. 658 Date March 16 1872

Tanner Machine. Reel.

Turns 25 Cor. 1 Depth 24

Shot or lead

Bottom Co. gy. S. bot. S^h

Bottom temperature Not taken

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

842-00

0

25 100

No fish.

200

300

Ran 5 min. Slightly to the
to west for bottom

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

No. 2408 Date March 16 1872

Tanner Machine. Reel.

Turns 20 Cor. 1 Depth 41

Shot or lead 25 lb.

Bottom Co.

Bottom temperature Not taken

No. of thermometer Cor.

Corrected temperature

Air 61.2 Surface 64 Drift

Trawl or dredge L. B. J.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

9-22-50

0

9-57-10

9-53

100 60

58-10

08-20

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

H. Sampson 1st Lt
R. Sampson 1

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

SERIAL TEMPERATURES.

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

REMARKS.

Surface haul: several species
 seen in the fish, & a sea urchin.
 Among things, one mesocela (young)
 few hydroids, & living gastropods (small)

No. 259 Date March 16 p.m.

Lanner Machine. Reel.

Turns 20 Cor. + Depth 24

Shot or lead 24 lb

Bottom Co. S. M. sp. sh.

Bottom temperature Not taken

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

10-50-30

0

55 100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

No fish.

400
 380
 360
 340
 320
 300
 280
 260
 240
 220
 200
 180
 160
 140
 120
 100
 80
 60
 40
 20
 0

SOIL TEMPERATURES

DEPTH	DATE	NO. OF RECS.	100	500 FEET
25				
50				
100				
150				
200				
250				
300				
350				
400				
450				
500				
550				
600				
650				
700				
750				
800				
850				
900				
950				
1000				

REMARKS:

Staⁿ - No 2392

Bottom spec. fr. Surveying ship.

Mud. Brown superficially, deeper layers
grey. Contains a considerable propor-
tion of Foraminifera, principally
Globigerina, *Elphidium*, *Pulvinulina* and
Pullenia

No. 660 Date March 16 am
 Tanner Machine. Reel.

Turns 22 Cor. + 1 Depth 23

Shot or lead 20 lb

Bottom Co S bk. sh. sh.

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11-22-60		0		
		22-100		
		200		
No fish		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURES.

DEPTH	TEMP.	NO. OF THERM.	TIME	TIME 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. 661. Date *March 16 p.m.**Tanner* Machine. Reel.Turns *21* Cor. *11* Depth *22*Shot or lead *25 lb.*Bottom *gy. S.*Bottom temperature *not taken*

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWNS.

UPS.

*12-18-25-**No fish*

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

2300
 2400
 2500
 2600
 2700
 2800
 2900
 3000
 3100
 3200
 3300
 3400
 3500
 3600
 3700
 3800
 3900
 4000

SERIAL PENYERAYIPAN

DEPTH	TEMP	NO. OF THER.	TIME	TIME (MIN)
05				
10				
15				
20				
25				
30				
35				
40				
45				
50				
55				
60				
65				
70				
75				
80				
85				
90				
95				
100				

REMARKS:

No. 662 Date March 16 p.m.

Tanner Machine. Reel.

Turns 20 Cor. 2 Depth 21Shot or lead 35 lbBottom wh. s. bk. sp. brk. sh.Bottom temperature not taken

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE

DREDGE ROPE

DOWNS.

UPS.

TURNS.

DOWNS.

UPS.

1-02-00

0

20 100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

No fish

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

MINIMAL TEMPERATURE

DEPTH	TEMP	DIR. OF CURR.	VEG.	VEG. TEMP.
5				
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				

REMARKS:

No. 660 Date March 16 1891Vanice Machine. Reel.Turns 20 Cor. 1 Depth 21Shot or lead ?Bottom wh. S. bc. sp. br. sh.Bottom temperature Not taken.

No. of thermometer _____ Cor. _____

Corrected temperature _____

Air _____ Surface _____ Drift _____

Trawl or dredge _____

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

1-45-000100200300400500600700800900100011001200130014001500160017001800190020002100220023002400B. Scaevola MH, MHR. Scaevola 11

500
 450
 400
 350
 300
 250
 200
 150
 100
 50
 0
 50
 100
 150
 200
 250
 300
 350
 400
 450
 500

DEPTH TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	WIND.	DIR. WIND.
25				
50				
100				
150				
200				
250				
300				
350				
400				
450				
500				

REMARKS:

No. 664 Date *March 16 1880*

Tanner Machine. Reel.

Turns *21* Cor. *+ 1* Depth *22*Shot or lead *18 lb*Bottom *sh. S. bk. gy. brk. sh.*Bottom temperature *Not taken*

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

FMS.

FMS.

TURNS.

FMS.

FMS.

2-46-30

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	
	3000	
	3500	
	4000	
	4500	
	5000	
	5500	
	6000	
	6500	
	7000	
	7500	
	8000	
	8500	
	9000	
	9500	
	10000	

STATE, TERRITORY, OR DISTRICT.

1880	1885	1890	1895	1900
25				
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. 665. Date March 16, 1900

Tanner Machine. Reel.

Turns 21 Cor. 1 Depth 22

Shot or lead 13 lb

Bottom m. S. G. sp.

Bottom temperature Not taken

No. of thermometer Cor.

Corrected temperature.

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

3-32-00

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

Grouper 1

No. 666 Date March 16 p.m.

Machine. Reel.

Turns 21 Cor. + 1 Depth 22

Shot or lead 14 lb

Bottom fine gy. S. bk. sp.

Bottom temperature Not taken

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

FATHOMS.

DREDGE ROPE.

DOWN.

UP.

4-5-20

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

No fish

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

MOON TEMPERATURE

TIME	TEMP.	WIND DIRECTION	WIND	SEA STATE
12 00				
13 00				
14 00				
15 00				
16 00				
17 00				
18 00				
19 00				
20 00				
21 00				
22 00				
23 00				
24 00				
01 00				
02 00				
03 00				
04 00				
05 00				
06 00				
07 00				
08 00				
09 00				
10 00				
11 00				
12 00				

REMARKS

No. *667* Date *Mar. 16 p.m.*
Lanner Machine. Reel.

Turns *21* Cor. - Depth *22*

Shot or lead *15 lb*

Bottom *Co S. bk. Sh.*

Bottom temperature *Not taken*

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>5-00</i>		0		
		100		
<i>No fish</i>		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	300
	400
	500
	600
	700
	800
	900
	1000
	1100
	1200
	1300
	1400
	1500
	1600
	1700
	1800
	1900
	2000

SPEED TEMPERATURES

DEPTH	TIME	NO. OF TURNS	REV.	REV. TIME
10				
20				
30				
40				
50				
60				
70				
80				
90				
100				
110				
120				
130				
140				
150				
160				
170				
180				
190				
200				

REMARKS

No. 668 Date Mar 16 1891

Sigsbee Machine. Reel.

Turns 21 Cor. 1 Depth 22

Shot or lead 14 lb

Bottom gy. bk. S.

Bottom temperature Not taken

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<u>5-42-03</u>		0		
		100		
<u>No fath</u>		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

3100
 3200
 3300
 3400
 3500
 3600
 3700
 3800
 3900
 4000
 4100
 4200
 4300
 4400
 4500
 4600
 4700
 4800
 4900
 5000

SERIAL COMPRESSION

DEPTH	TIME	NO. OF TURNS	TIME	TIME
50				
100				
150				
200				
250				
300				
350				
400				
450				
500				
550				
600				
650				
700				
750				
800				

REMARKS

16th Mar

(669)

Time

20 fms + 1

21 fms

6-22-40

fms. wh. S. bk. sp.

(670) - 20 fms. wh. S. bk. sp.

7.15 p.m.

(671) 18 fms. Co. S. bk. sp. bk. sh.

7.47 p.m.

(672) 16 1/2 fms. gy. S. bk. sh.

Time 8.26. 16th Mar

(673) 15 fms. gy. S. bk. sp.

Time 9.08.

(674) 12 fms. Co. gy. S. bk. sp. bk. sh.

Time 9.43.

(675) 10 fms. Co. gy. S. bk. sp.

Time 10.24.

(676) 8 fms. gy. S. bk. sp. bk. sh.

Time 11.00.