

N^o-10.

March 23rd 1889

August 29th 1889.

D^r 3011 to 3077.

Hy^d 1831 to 1864.

nmH
307

No. *3011* *Dodge* Date *March 23rd* *89*
Sigsbee Machine. *2* Reel.

Turns *65* - Cor. + *6* Depth *71*

~~Shot or lead~~ *35 lbs*

Bottom *fine gy S. bk Sh.*

Bottom temperature *57.9*

No. of Thermometer *61753* Cor. ± 0

Corrected temperature *57.9*

Air *67* Surface *69* Drift: *NW 1/4 W 1 mile*

Trawl or dredge or tangles *large Beam*

SOUNDING WIRE.

P.M. DOWN. UP.

1.55.00 *1.57.30*
1.55.30 *1.57.00*

TURNS.

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

DREDGE ROPE.

DOWN. UP.

2.00.00 *2.37.00*
2.05.00 *2.34.00*
2.09.30 *2.30.00*

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

SERIAL TEMPERATURE.

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

REMARKS.

No.

3012

Date

March 28/89

Machine.

Reel.

Turns

21

Cor. +

1

Depth

22

Shot or lead

25 lbs

Bottom

fwgys.

Bottom temperature

63

No. of Thermometer

61755

Cor. ± 0

Corrected temperature

63

Air

67

Surface

69

Drift.

1/10 m. S. W.

Trawl or dredge or tangles

Large Beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

4-36-30

38-50

0

4-43-0

15-0

37-0

1-37-30

70

45-0

5-11-30

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	63	61755		
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *3013* Date *March 31/89*
Tanner Machine. Reel.
 Turns *14* Cor. + Depth *14*
 Shot or lead *25 lbs.*
 Bottom *gy S. brk Sh*
 Bottom temperature *65*
 No. of Thermometer *61705* Cor. ± 0
 Corrected temperature *65*
 Air *68* Surface *66* Drift. *1/2 m Drift*
 Trawl or dredge or tangles *Large Beam*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>Pcw</i> 6-25-30	6-27-0	0	28-0	47-30
		50	6-29-0	6-45-0
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

No.

3014

Date

March 23/89

Turns

28

Machine.

Reel.

Cor. +

1

Depth

29

Shot or lead

25 lbs.

Bottom

gy S

Bottom temperature

62.2

No. of Thermometer

61755

Cor. ± 0

Corrected temperature

62.9

Air

68

Surface

66

Drift. 1/2 m. N.

Trawl or dredge or tangles

Large Beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

7-35-0

7-36-30

0

7-36-0

4-15

100

7-40-38-0-45

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	62.9	61755		
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Smith

No. 1881 Hyd. Date March 24th 89

Sigsbee Machine. 2 Reel.

Turns 82 Cor. + 7 Depth 89

Shot or lead 35 lb

Bottom S. Bk sh

Bottom temperature 64.2

No. of Thermometer 61753 Cor. ± 0

Corrected temperature 64.2

Air 64 Surface 61 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>A.M.</i> 12.22.00	12.24.00	0		
12.22.30	12.23.00	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
89-100	64.2	61755-		
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No.

3015

Date

March 24/84

Tanner

Machine.

Reel.

Turns 140 Cor. + 5 Depth 145

Shot or lead 25 lb

Bottom br m

Bottom temperature

54.9

No. of Thermometer 61755 Cor. ± 0

Corrected temperature 54.9

Air 64 Surface 63 Drift. 1 mi N x E

Trawl or dredge or tangles Large Beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

5-39-50	5-45-0	0	5-50-0	57-0
41-0	43-0	100	55-0	34-30
41-30	42-0	40 200	6-0-0	32-0
		300	6-4-0	6-29-0
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
72	59	61755		
100				
145	54.9	61755		
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

7408
L. 713.

No. 3016 Date March 24th 1889
Tanner Machine. Reel.

Turns 73 Cor. + 3 Depth 76

Shot or lead 25 lbs

Bottom gw M.

Bottom temperature 59

No. of Thermometer 61755 Cor. \pm 0

Corrected temperature 59

Air 70 Surface 65 Drift. 1/4 A 1/4 N.

Trawl or dredge or tangles Large Beam

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9. 01. 05	. 05 00	0	9. 05. 30	42. 30
		100	09. 00	40. 00
		200	12. 30	37. 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

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50 76	59	61755-		
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Advt. 73.

No. *3017* Date *March 24 1889*
Tanner Machine. Reel.

Turns *56* Cor. + *2* Depth *58*

~~Shot or lead~~ *25 lbs.*

Bottom *gn. M.*

Bottom temperature *61.8*

No. of Thermometer *61755* Cor. ± 0

Corrected temperature *61.8*

Air *72* Surface *66.5* Drift. *7/4^m N 17/4^m W.*

Trawl or dredge or tangles *Large Beans.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
<i>A. M.</i> DOWN.	UP.		<i>A. M.</i> DOWN.	UP.
<i>11. 19. 10</i>	<i>21. 10</i>	0	<i>22. 00</i>	<i>54. 00</i>
		100	<i>25. 45</i>	<i>51. 30</i>
		<i>190</i>	<i>28. 30</i>	<i>48. 45</i>
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50 50	61.8	61755		
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Wm. D. Dudge.
 No. *3018* Date *March 24th 1889*
Tanner Machine. Reel.
 Turns *35* Cor. + *1* Depth *36*
 Shot or lead *25 lbs*
 Bottom *gy S. bk Sh. bk Sh.*
 Bottom temperature *63.3*
 No. of Thermometer *61763* Cor. ± 0
 Corrected temperature *63.3*
 Air *72* Surface *66* Drift *2 m. N x E 1/2 E*
 Trawl or dredge or tangles *large beam*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>2.21.00</i>	<i>2.23.00</i>	0	<i>2.25.00</i>	<i>2.37.00</i>
<i>2.21.20</i>	<i>2.21.40</i>	100	<i>2.29.00</i>	<i>2.48.30</i>
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
36 50	63.8	61755		
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No.

3019

Date

March 24/89.

Tanner

Machine.

Reel.

Turns

13

Cor. +

Depth

14

Shot or lead

25 lbs.

Bottom

fx S for Sn.

Bottom temperature

66

No. of Thermometer

61755

Cor. ± 0

Corrected temperature

66

Air

67

Surface

66

Drift. $\frac{1}{2}$ m. N. E.

Trawl or dredge or tangles

Large Beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

4-09-0	10-0	0	4-10-0	29-0
09-30	4-09-30	400 50	13-0	4-27-0
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
14	66	61755		
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No.

3020.

Date

March 24/89.

Hand Lead Machine. Reel.

Turns

Cor. +

Depth

Shot or lead

8 lbs

Bottom

gy S. bk. ef.

Bottom temperature

No. of Thermometer

Corrected temperature

} None Cor.

Air

67

Surface

6.5

Drift

3m N 2x 2

Trawl or dredge or tangles

Large Beam

P.W. SOUNDING WIRE.

DOWN.

UP.

TURNS.

P.W. DREDGE ROPE.

DOWN.

UP.

5-48-0

0

5-49-30

10-0

100 30

5-10 6-09-0

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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

SERIAL TEMPERATURE.

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

REMARKS.

No.

3021.

Date

March 24/89

Tanner

Machine.

Reel.

Turns 14 Cor. +

Depth 14

Shot or lead 25 lbs

Bottom gy S-brk sn

Bottom temperature

none taken

No. of Thermometer

none Cor.

Corrected temperature

Air 67 Surface 65 Drift 1 m NW 1/4 W

Trawl or dredge or tangles Large Beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

7-25-0

0

7-26-0

54-0

100-0

81-30

7-51-30

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

forced surface net
while dredging

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

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
14	<i>did not capice</i>	61755		
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No.

3022

Date

March 24 1889

Tanner

Machine.

Reel.

Turns 11

Cor. +

0

Depth 11

Shot or lead 25 lbs

Bottom

gy. S. br. Sp.

Bottom temperature

66.1

No. of Thermometer

61755

Cor.

± 0

Corrected temperature

66.1

Air

66

Surface

66.1

Drift.

1 1/4 N. by E

Trawl or dredge or tangles

Large Beam

SOUNDING WIRE.

P.M. DOWN.

UP.

TURNS.

DREDGE ROPE.

P.M. DOWN.

UP.

9. 00. 00

1. 30

0

40

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

9. 00. 00

24. 00

2. 00

21. 00

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

SERIAL TEMPERATURE.

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

REMARKS.

Wm 47

No. 3023

Date March 25th 89

Machine. Reel.

Turns Cor. + Haul haul Depth 10

Shot or lead Haul haul.

Bottom G. & Sh.

Bottom temperature None

No. of Thermometer None Cor.

Corrected temperature None

Air 69 Surface 67 Drift. W S W. $\frac{1}{10}$ mile

Trawl or dredge or tangles Large beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

4. 6. 20

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

4. 8. 30 4. 29. 34

4. 10. 00 4. 28. 00

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

(Wm)

No. 3024

Date

March 25, 1889

Tanner Machine. Reel.

Turns 11 Cor. + 0 Depth 11

Shot or lead 25 lb

Bottom S. bk. bk. + G.

Bottom temperature 67.

No. of Thermometer 61755 Cor. ± 0

Corrected temperature 67

Air 68 Surface 67 Drift. NW $\frac{1}{2}$ N $\frac{3}{4}$ m.

Trawl or dredge or tangles Large Beam

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
P.M. 5-42.00	5-43.50	0	5-45.00	6-7.30
5-42.20	5-42.40	35	5-46.00	6-8.00
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
11 25	67.0	61755		
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

607
Wm H

Dredge.

No. 3025

Date March 25th 1899

Sanner Machine. Reel.

Turns $9\frac{1}{2}$ Cor. + 0 Depth $9\frac{1}{2}$

Shot or lead 25 lb

Bottom fine gy. S

Bottom temperature 66.1

No. of Thermometer 61755- Cor. 0

Corrected temperature 66.1

Air 67 Surface 67 Drift. W X S $1\frac{1}{4}$ mi

Trawl or dredge or tangles 61755- large beam

SOUNDING WIRE.

DREDGE ROPE.

P.M. DOWN.	UP.	TURNS.	DREDGE ROPE.	
			DOWN.	UP.
7.16.00	7.17.30	0	7.20.00	7.39.30
7.16.20	7.16.40	100	7.22.00	7.38.00
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Towed surface net.

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

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
9.5- 25	66.1	61755	0	66.1
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

307

No.

3026

Date

March 25/89

Tanner

Machine.

Reel.

Turns

16

Cor. +

1

Depth

17

Shot or lead

25 lbs

Bottom

G. & brk Sh

Bottom temperature

65.2

No. of Thermometer

61755

Cor. ±

0

Corrected temperature

65.2

Air

67

Surface

66

Drift.

1 1/2 m Drift

Trawl or dredge or tangles

Large Beam

P.W. SOUNDING WIRE.

DOWN.

UP.

8-32-0

4-34-0

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

Towed Surface Shot while
dredging.

P.W. DREDGE ROPE.

DOWN.

UP.

8-35-0

9-01-0

38-0

8-59-0

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

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
60 25	66	61755		
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

25.7.13

No. 3027 Date March 26th 1889.

Hand lead Machine. Reel.

Turns 10 Cor. + Depth 10

Shot or lead Hand lead.

Bottom gy. S.

Bottom temperature

No. of Thermometer } None Cor.

Corrected temperature

Air 65 Surface 68 Drift. 1 mi. N x E

Trawl or dredge or tangles Large Beam.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
P.M. DOWN.	UP.		P.M. DOWN.	UP.
3.22. 15		0	3.23.00	47.50
		40		
		100	25.40	46.10
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

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

REMARKS.

Hand lead

No. **3028**

Date **March 26" 1889**

Hand lead Machine. Reel.

Turns Cor. + Depth **9 3/4**

Shot or lead *Hand lead*

Bottom **S.**

Bottom temperature

No. of Thermometer } *None* Cor.

Corrected temperature

Air **70** Surface **68** Drift. **1/2 m W 1/2 N**

Trawl or dredge or tangles *Large Beam.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>P.M.</i> 3. 55. 00		0	3. 54. 50	4. 21. 40
		40		
		100	3. 57. 00	4. 20. 00
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

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

REMARKS.

Wm

No. 3029

Date March 26th 89

Hand line Machine. Reel.

Turns Cor. + Depth 10 1/2

Shot or lead Handline

Bottom fm gy S. bk Sh. bk S. ps.

Bottom temperature

No. of Thermometer } None Cor.

Corrected temperature

Air 70 Surface 68 Drift. 3/4 m NW x V

Trawl or dredge or tangles large beam

SOUNDING WIRE.

P.M. DOWN.

UP.

TURNS.

DREDGE ROPE.

P.M. DOWN.

UP.

4.27.00

0

4.28.00 4.49.00

40
100

4.32.00 4.47.30

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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

SERIAL TEMPERATURE.

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

REMARKS.

No.

H4.1832

Date

March 27/69

Machine.

Reel.

Turns 10 Cor. +

Depth 10

Shot or lead 25 lbs

Bottom M & S

Bottom temperature 65.5

No. of Thermometer 61755 Cor. ± 0

Corrected temperature 65

Air 66 Surface 65 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

H-41-0 H-42-30

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
10	65	61755		
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No.

Hy 833

Date

March 27/89

Turns

17

Cor. +

1

Recl.

Depth

18

Shot or lead

25 lbs.

Bottom

m.

Bottom temperature

63.2

No. of Thermometer

61455

Cor.

± 0

Corrected temperature

63.9

Air

66

Surface

63.2

Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

6-6-0

6-7-30

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
18	63.9	61755		
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 3030, Date March 27/89.
Tanner Machine. Reel.

Turns 19 Cor. + 1, Depth 20

Shot or lead 20 lbs

Bottom M.

Bottom temperature 64

No. of Thermometer 61755 Cor. ± 0

Corrected temperature 64

Air 66 Surface 65 Drift. 10m SE.

Trawl or dredge or tangles Large Beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

7-8-0

7-4-0

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

7-13-0

7-16-0

21-0

34-0

7-31-30

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

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	64	61755		
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No.

3031

Date

March 24/89

Tanner

Machine.

Reel.

Turns

31

Cor. +

2

Depth

33

Shot or lead

35 lbs

Bottom

mud

Bottom temperature

63.8

No. of Thermometer

61755

Cor. ± 0

Corrected temperature

63.8

Air

66

Surface

65

Drift

3

4m S x W

Trawl or dredge or tangles

Large Beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

7-40-0

7-41-30

0

7-42-0

8-0-0

100

45-0

7-56-2

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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

SERIAL TEMPERATURE.

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

REMARKS.

No. *32*Date *March 21/89*Machine. *Hand Lead*

Reel.

Turns

Cor. +

Depth *12*Shot or lead *8 lbs*Bottom *gy S.*

Bottom temperature

No. of Thermometer

Cor.

Corrected temperature

Air *67*Surface *65*Drift *SSW 1/3 mile*Trawl or dredge or tangles *Large Beam*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

Hold DREDGE ROPE.

DOWN.

UP.

0

40

~~100~~

50

~~200~~

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

*8-12-0**14-30**8.19.00**25.20**23.50*

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

Lat 71° 10'

No. 3033

Date March 27th 1889

Tanner

Machine.

Reel.

Turns 17

Cor. + 1

Depth 18

Shot or lead 25 lbs.

Bottom gy. M.

Bottom temperature 63.5

No. of Thermometer 61755

Cor. ± 0

Corrected temperature 63.5

Air 67

Surface 65.7

Drift. $8\frac{1}{2}$ 6 1 m.

Trawl or dredge or tangles Large Beam.

SOUNDING WIRE.

A. M. DOWN.

UP.

10. 17. 00

19. 30

TURNS.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

DREDGE ROPE.

H. M. DOWN.

UP.

10. 18. 00

20. 50

40. 15

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

mm 1/4

No. 3034 Dodge Date March 27th 1889

Sanner Machine. Reel.

Turns 23 Cor. + 1 Depth 24

Shot or lead 25 lb

Bottom gy M.

Bottom temperature 63.1/2

No. of Thermometer 61755- Cor. ± 0

Corrected temperature 63.5

Air 67 Surface 69.5 Drift. S 8 1/2 E 1 1/2 mi

Trawl or dredge or tangles large Beam

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
P. M.	DOWN.		DOWN.	UP.
12, 31.30	12, 33.00	0	12.33.00	1.00.00
12, 32.00	12.32.10	90 -100	12.36.00	12.57.00
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	63.5	61753	0	63.5
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

507
-Wm H

No. 3035 Date March 27th 89
Sanner Machine. Reel.

Turns 29 Cor. + 1 Depth 30

Shot or lead 25-lb

Bottom gy M.

Bottom temperature 62.

No. of Thermometer 61755 Cor. ± 0

Corrected temperature 62.

Air 70 Surface 70 Drift. S Ex S 1 mile

Trawl or dredge or tangles large Beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

2.37.00	2.38.20	0	2.40.00	3.11.30
2.37.30	2.37.50	100	2.44.00	3.00.00
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
30 25	62	61755-	0	62.
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No.

3036.

Date

March 29/89.

Machine.

Reel.

Turns

Cor. +

Depth

5.

Shot or lead

8 lbs.

Bottom M. S. Lk St.

Bottom temperature

No. of Thermometer

Cor.

None

Corrected temperature

Air

73

Surface

67

Drift. 1/8 m S E.

Trawl or dredge or tangles

Ships Dredge.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

400 DREDGE ROPE.

DOWN.

UP.

0

15

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

9-14 0 26-30

16-0 9-25-30

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

SERIAL TEMPERATURE.

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

REMARKS.

Lat 43° 50'

No. *3034* Date *March 31st 1889*
Tanner Machine. Reel.

Turns *19* Cor. + *1* Depth *20*

Shot or lead *25 lbs*

Bottom *gn. M.*

Bottom temperature *65.2*

No. of Thermometer *61755* Cor. *± 0*

Corrected temperature *65.2*

Air *77* Surface *69* Drift. *3/4 m. S 86° E 6 1/2*

Trawl or dredge or tangles *Large Beam*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

A. M.
9. 40 40

A. M.
9. 42. 20 03. 20
45. 40 10. 01 40

- 0
- 60
- 100
- 200
- 300
- 400
- 500
- 600
- 700
- 800
- 900
- 1000
- 1100
- 1200
- 1300
- 1400
- 1500
- 1600
- 1700
- 1800
- 1900
- 2000
- 2100
- 2200
- 2300
- 2400

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

SERIAL TEMPERATURE.

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

REMARKS.

No. 3038 Date April 8th 1889

Machine. 2 Reel.

Panner

Turns 30 Cor. + 1 Depth 31

~~Shot or lead~~ 25 lb

Bottom gy S. bk. Sh.

Bottom temperature 65.5

No. of Thermometer 61755 Cor. 0

Corrected temperature 65.5

Air 66 Surface 67. Drift. NW $\frac{3}{4}$ W. $\frac{3}{4}$ mile

Trawl or dredge or tangles Large Beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

9.11.00	9.12.10	0	9.16.00	9.51.00
9.11.30	9.11.40	100	9.21.00	9.47.30
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

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

REMARKS.

No. 3039 *Dredge* Date *April 8th 1889*

Sanner Machine. Reel.

Turns *45* - Cor. + *2* Depth *47*

~~Shot or~~ lead *25 lb*

Bottom *fm gl. S.*

Bottom temperature *68.5*

No. of Thermometer *61755* Cor. + *0*

Corrected temperature *68.5*

Air *66* Surface *67* Drift *W 1/2 N 1 mi.*

Trawl or dredge or tangles *Large beam*

A.M. SOUNDING WIRE.		TURNS.	A.M. DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>10.31.00</i>	<i>10.32.50</i>	<i>0</i>	<i>10.34.00</i>	<i>11. 7.00</i>
<i>10.31.40</i>	<i>10.32.00</i>	<i>100</i>	<i>10.38.00</i>	<i>11. 4.00</i>
		<i>120</i>	<i>10.39.00</i>	<i>11.3.00</i>
		<i>200</i>		
		<i>300</i>		
		<i>400</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>		

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

SERIAL TEMPERATURE.

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

REMARKS.

EXP. 507

No. 3040

Date April 9/89

Hand Lead Machine. Reel.

Turns Cor. + Depth 21

Shot or lead 8 lbs

Bottom S & Sh.

Bottom temperature

No. of Thermometer Cor.

Corrected temperature

Air 69 Surface 68 Drift 6/10 m NW

Trawl or dredge or tangles Oyster Dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

P.W. DREDGE ROPE.

DOWN.

UP.

0

50

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2-17-0

20-0

31-30

2-27-30

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

SERIAL TEMPERATURE.

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

REMARKS.

1547

No. 3041 Date April 9/89

Tanner. Machine. Reel.

Turns 46 Cor. + 1 Depth 27.

Shot or lead 25 lbs.

Bottom fine gy. S

Bottom temperature 64.5

No. of Thermometer 61755 Cor. ± 0

Corrected temperature 64.5

Air 69 Surface 68 Drift. 1/2 mi. W. 1/2 mi. S.

Trawl or dredge or tangles Large Beam,

P.W. SOUNDING WIRE.		TURNS.	P.W. DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2-38-0	2-39-0	0	2-41-0	13-30
		100	45-0	3-09-30
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

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

REMARKS.

507

513

No. 3042 Date April 9/89
 Tanner Machine. Reel.

Turns 16 Cor. + 1 Depth 17

Shot or lead 25 lbs.

Bottom fine gy. S

Bottom temperature 65

No. of Thermometer 61755 Cor. ± 0

Corrected temperature 65

Air 67 Surface 67 Drift. none

Trawl or dredge or tangles Large Beam

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3-35-0	3-06-0	0	3-38-0	4-00-10
		60	40-0	5-57-20
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

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

REMARKS.

No.

3043

Date

April 10th 1889

Sigsbee

Machine.

2 Reel.

Turns 68 Cor. + 6

Depth 74

Shot or lead 38 lbs.

Bottom fm gy. S.

Bottom temperature 55

No. of Thermometer

61755

Cor.

± 0

Corrected temperature 55

Air 65

Surface 64

Drift. W & S. 1 1/2 mi

Trawl or dredge or tangles

Large Beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

776.

11-33.00

37.00

0

11.39.00

12.21.00

100

42.40

12.18.00

200

46.55

12.15.00

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

11-57.30

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

Wm. H. Smith

No. 3044 *Dredge* Date *April 10th 1889*

Sigsbee Machine. 2 Reel.

Turns 53 Cor. + 5 Depth 58

~~Shot or lead~~ 36-16

Bottom *gy S. bk Sh.*

Bottom temperature 56.

No. of Thermometer 61755 Cor. 0

Corrected temperature 56.

Air 65 Surface 64 Drift. W 2.1 mi

~~Trawl or dredge or tangles~~ *large beam*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
P.M. DOWN.	UP.		P.M. DOWN.	UP.
2. 3. 00	2. 4. 30	0	2. 10. 00	2. 41. 00
2. 3. 30	2. 4. 00	100	2. 13. 00	2. 39. 00
		170	2. 15. 00	2. 36. 30
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

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

REMARKS.

No. *3045*Date *April 10th 1899*Machine. *Sigsbee*Reel. *#2*Turns *170* Cor. + *14* Depth *184*Shot or lead *35 lbs.*Bottom *Mo.*Bottom temperature *48*No. of Thermometer *6155* Cor. *0*Corrected temperature *48*Air *64* Surface *65* Drift. *1^m N 51^m W*Trawl or dredge or tangles *Large Beam*

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

P.W.
*4-2-30**8-0**0**4-12-0**06 20**4-0**100**16-0**5-03-00**5-0**4-16-0**200**58-0**59-40**300**26-0**4-52-0**400**500**600**700**800**900**1000**1100**1200**1300**1400**1500**1600**1700**1800**1900**2000**2100**2200**2300**2400*

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

SERIAL TEMPERATURE.

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

REMARKS.

W.M.H. 307
 No. 3046

Date June 7th 1889

Panner Machine. Reel.

Turns 46 Cor. + 2 Depth 48

Shot or lead 25 lb.

Bottom fine gy S.

Bottom temperature 46.5

No. of Thermometer 57260 Cor. - 0.4

Corrected temperature 46.1

Air 55 Surface 56 Drift 1/2 N. 88 W 1/2 W

Trawl or dredge or tangles Large Beam

A.M. SOUNDING WIRE.		TURNS.	P.M. DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9.21.50	9.23.40	0	9.28.30	10.7.50
9.22.20	9.22.20	100	9.34.15	10.4.00
		120	9.35.10	10.3.30
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

Ly codopsis, flounders, tom cod.
Star fish, basket stars, Optimane
Shrimps.

W 407

Dredge

No. 3047

Date June 7th 1899

Tanner

Machine.

Reel.

Turns 418 Cor. + 2 Depth 50

~~Shot or lead~~ 25 lb

Bottom fine gy S.

Bottom temperature 46.3°

No. of Thermometer 57260 Cor. - 0.4

Corrected temperature 45.9°

Air 55 Surface 57 Drift 2 M. 88 W.

Trawl or dredge or tangles large Beam

A.M. SOUNDING WIRE.		TURNS.	A.M. DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.11.30	10.14.00	0	10.18.30	10.56.10
10.12.10	10.12.30	100	10.22.30	10.52.00
		150	10.14.30	10.50.00
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Set clock back 10 minutes

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

*Leucocottus, Plunassa, Tom cod
hake, Skate, Verrillia, Starfishes
basket stars, Ophiurans, Shrimps*

Wm. J. 1897

No. 3048 Date June 7th 1899
Tanner Machine. Reel.

Turns 50 Cor. + 2 Depth 52
~~Shot or lead~~ 25 lb

Bottom Rky.

Bottom temperature 45.5

No. of Thermometer 57260 Cor. - 0.4°

Corrected temperature 45.1°

Air 56 Surface 56 Drift 2 m 91 x S

Trawl or dredge or tangles large Beam

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.57.00	10.59.50	0	11.6.30	11.53.00
10.58.00	10.58.30	100	11.13.00	11.51.20
		150		
		200	11.15.30	11.47.00
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Mr. Alexander left the ship at 11.00

fish haul at 11.00 P.M.

2 Rock Crabs.
3 50g fish
2 Skates
6 Star Fish

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

SERIAL TEMPERATURE.

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

REMARKS.

Same as # 3047 with Chinwara.

No.

1834

Date

June 7th 1889

Machine.

Reel.

Turns 53 Cor. + 2

Depth 53-

~~Shot or lead~~ 25 lbs

Bottom

fine gys.

Bottom temperature 46.1

No. of Thermometer 87260

Cor. -0.4°

Corrected temperature 45.7°

Air

56

Surface

56

Drift.

Trawl or dredge or tangles

A.M. SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

11.56.40

11.59.00

0

11.57.20

11.57.50

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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

SERIAL TEMPERATURE.

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

REMARKS.

No.

1835

Date

June 17/89

Tanner

Machine.

Reel.

Turns 50

Cor. +

2

Depth

52

Shot or lead

25 lbs.

Bottom

Rky

Bottom temperature

45-5

No. of Thermometer

57160

Cor. - 0.4°

Corrected temperature

45.1°

Air

56

Surface

56

Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

12-24-0

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

12.24 0 was propped to fish

17 fms was side

Caught 5 Orange Rock Crabs

Belt

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

No. *Dredge 3049* Date *June 7. '89.**Tanner* - Machine. Reel. -Turns *41* Cor. + *2.*Depth *43 fms.*~~Shot or lead~~ *75 lb.*Bottom *fw M. S.*Bottom temperature *47.1°*No. of Thermometer *57260* Cor. - *0.4°*Corrected temperature *46.7°*Air *59°* Surface *57* Drift. *S. S. E. 1 1/4 miles*~~Trawl or dredge or tangles~~ *Large Beam.*

SOUNDING WIRE.

DREDGE ROPE.

P.M.	SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
	DOWN.	UP.		DOWN.	UP.
	<i>3.10.30</i>	<i>3.12.05</i>	0	<i>3.13.45</i>	<i>3.48.15</i>
	<i>3.11.00</i>	<i>3.11.10</i>	100	<i>3.18.33</i>	<i>3.46.00</i>
			150	<i>3.19.25</i>	<i>3.43.30</i>
			200		
			300		
			400		
			500		
			600		
			700		
			800		
			900		
			1000		
			1100		
			1200		
			1300		
			1400		
			1500		
			1600		
			1700		
			1800		
			1900		
			2000		
			2100		
			2200		
			2300		
			2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

Flounders in abundance. tom-cod - Lycod. pis
 a few ophiurans and two or three shrimp

H.C. 507

No. 1836 *Hydrog.* Date *June 8th 1889.*
Tanner. Machine. Reel.
 Turns 46 Cor. + 2 Depth 48 fms.
~~Shot~~ or lead 25 lb.
 Bottom *bu M.*
 Bottom temperature 49°
 No. of Thermometer 57260 Cor. - 0.4°
 Corrected temperature 48.6°
 Air 54° Surface 52° Drift.
 Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
<i>A.M.</i> DOWN.	UP.		<i>A.M.</i> DOWN.	UP.
8.27.30	29.10	0		
28.25	8.28.32	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

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

REMARKS.

N.C. 507

No. 3050 Sledge. Date June 8th 1889.
 Tanner. Machine. — Reel.

Turns 44 Cor. + 2 Depth 46 fms.
~~Shot~~ lead 25 lb.

Bottom Co. brk. M.

Bottom temperature 56.5°

No. of Thermometer 57260. Cor. - 0.4°

Corrected temperature 56.1°

Air 56° Surface 54° Drift. —

Trawl ~~or dredge or tangles~~ Large Beam.

A.M. SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8.46.08	47.30	0	8.49.06	9.01.40
46.32	8.46.40	100	8.52.10	8.58.30
		195		
		200	8.54.04	8.55.10
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Trawl badly torn.

Mr. Alexander left ship at 9:20 in dinghy to set trawl. Returned at 12.36 P.M. catch 1 Sea trout. 12 Red Rock, 1 Chinaman.

Hand line fishing begins at 9.18. stopped 9.55 A.M.
 9 lines out! 25 Orange Boobies Caught.
 Red "

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

SERIAL TEMPERATURE.

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

REMARKS.

Fragments of sponge & Gorgonian coral.
Net badly torn.

H.C. 21

No. 3051 Dredge. Date June 8th 1889.

Tanner. Machine. — Reel. —

Turns 57 Cor. + 2 Depth 59 fms.

~~Shot~~ or lead 75 lb.

Bottom C. & brk. sh. sh.

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air 57° Surface 55° Drift. N. & N. 1 1/4 miles

~~Trawl or dredge or tangles.~~

A. M. SOUNDING WIRE.

DOWN.	UP.
9.57.10	9.59.05
9.57.56	9.58.00

TURNS.

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

A. M. DREDGE ROPE.

DOWN.	UP.
10.0-30	10.20.40
10.3-50	10.17.30

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

SERIAL TEMPERATURE.

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

REMARKS.

Numerous specimens of Crinoids. Ophiurans.
 A few sponges - 5 species of star fishes -
 3 sea urchins. A few Sargonian Corals.
 A few Bygonians.

Recked machine too late to put on thermometer.

No. 3052 Dredge. Date June 8th 1889.

Tanner. Machine. — Reel.

Turns 46 Cor. + 2. Depth 48 fms.

~~Shot~~ or lead 25 lb.

Bottom C. & brk. Rh. rky.

Bottom temperature 49.4°

No. of Thermometer 57260 Cor. 0.4°

Corrected temperature 49.0°

Air 57° Surface 55° Drift. N. & S. 1/2 mile

~~Trawl or dredge or~~ tangles —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.33.00	34.38	0	10.35.20	10.47.04
33.27	10.33.40	75.	10.37.38	10.44.45
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Fishing with hand lines commenced at 10.50 Am.

Stopped at 11.55.

Catch - 21 Red Rock Cod. 1 Cutters Cod. 4 Yell. Tail R. Cod.
9 Kins over. 2 Orange Cod.

Cutters Cod - 20 lbs.

Rock Cod. Orange & Red - average weight 6 to 7 lbs.

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

SERIAL TEMPERATURE.

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

REMARKS.

2 species star fish. A few Gorgonians.
Bryozoans. Ophiurans.

M.H.
507

No. *1837 Hg* Date *June 8th 89.*
Sanner Machine. Reel.

Turns *92* Cor. + *3* Depth *95-*

~~Shot or lead~~ *25 lb*

Bottom *M.*

Bottom temperature *41.4, 3°*

No. of Thermometer *57260* Cor. *-0.4°*

Corrected temperature *43.9°*

Air *59°* Surface *57°* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>P.M. 17.30</i>	<i>P.M. 1.10.50</i>	0		
<i>18.30</i>	<i>18.40</i>	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

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

REMARKS.

(W.M.H.)

No. 1838 1/2 Date June 8th 1887.

Tanner Machine. Reel.

Turns 59 Cor. + 2 Depth 61

Shot or lead 25 lbs

Bottom G. M. & G

Bottom temperature 47.7°

No. of Thermometer 57.760 Cor. - 0.4°

Corrected temperature 47.3°

Air 59° Surface 57° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

P.M. DOWN.

P.M. UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

1.40.30 1.42.40

1.41.00 1.41.30

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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

SERIAL TEMPERATURE.

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

REMARKS.

W.H. 507

No. 1839 Hz. Date June 8th 1889
Panner Machine. Reel.

Turns 411 Cor. + 2 Depth 413

Shot or lead 25 lbs

Bottom *gt. M. & G*

Bottom temperature 52.5°

No. of Thermometer 57260 Cor. - 0.4°

Corrected temperature 52.1°

Air 57° Surface 56° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
P.M. DOWN.	P.M. UP.		P.M. DOWN.	P.M. UP.
2.1.30	2.2.00	0		
2.1.00	2.1.20	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

3 Boats left the ship to fish with
Haul lines at 2:05 - Return at 3:15 - Haul Boat,
3:45 - Haul Boat at 3:55 in 300
Boats.

Net Boat - Red Rock. 7 total average 8.2
Dredge - Red Rock 15 - average 8.2
1 yellow sand 4 lbs
Collection Boat. 20 fish

Fishing from ship now, 3 lines out.
Boats 12 Red Rock

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

SERIAL TEMPERATURE.

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

REMARKS.

407
 No. 3053 Date June 8th 1889
 Tanner Machine. Reel.
 Turns 62 Cor. + 2 Depth 64
 Shot or lead 25 lbs.
 Bottom 61 bk Sh TR Ky.
 Bottom temperature 47.2
 No. of Thermometer 57260 Cor. - 0.4°
 Corrected temperature 47.3°
 Air 61 Surface 56 Drift. N. W. x N. 2/4 mi.
 Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4-47-30	4-49-30	0	4-51-0	5.09.45
		100	56-30	5.06-04
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

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

REMARKS.

No. *Hy 1840* Date *June 8th 89*
Tanner Machine. Reel.

Turns *91* Cor. + *4* Depth *95*

Shot or lead *35 lbs.*

Bottom *fine bk S*

Bottom temperature *44°*

No. of Thermometer *57260* Cor. - *0.4°*

Corrected temperature *43.6°*

Air *57* Surface *56* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>5-55-45</i>	<i>58-15</i>	0		
<i>56-45</i>	<i>5-56-50</i>	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

507
Handwritten initials

No. *Hy 1841* Date *June 8/89*
Tanner Machine. Reel.

Turns *66* Cor. + *2* Depth *68*

Shot or lead *25 lbs.*

Bottom *G.*

Bottom temperature *Ther. did not capsize*

No. of Thermometer *54460* Cor. *—*

Corrected temperature *—*

Air *57* Surface *56* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>6-32-0</i>	<i>6-34-45</i>	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

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

REMARKS.

No.

3057

Date

June 8/89

Tanner

Machine.

Reel.

Turns 51 Cor. + 2 Depth 53

Shot or lead 25 lbs.

Bottom ~~fine~~ R

Bottom temperature 48.4

No. of Thermometer 57260 Cor. - 0.4°

Corrected temperature 48.0

Air 57 Surface 56 Drift. 214 2/10 m

Trawl or dredge or tangles

P.W. SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7-04-0	7-06-0	0	7-10-45	23-30
		100	17-30	7-20-45
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Put 11 Lines over side
Caught 1 yellow Tail

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

H. 071

No. 1842 Hydrog. Date *June 8 - 1889.*
Tanner Machine. *J* Reel.

Turns 68 Cor. + 2 - Depth 70 fms.
~~Shot or~~ lead 25 lb.

Bottom *G.*

Bottom temperature 46.3°

No. of Thermometer 57260 Cor. - 0.4°

Corrected temperature 45.9°

Air 56° Surface 56° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>p. m.</i> 8.40.40	43.00	0		
41.28	8.41.42	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

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

REMARKS.

1107

No. 1843 Hydrog. Date June 8th 1889.

Tanner. Machine. — Reel.

Turns 59 Cor. + 2 Depth 61 fms.

~~Shot or lead~~ 25 lb.

Bottom S.

Bottom temperature 46.8°

No. of Thermometer 57260. Cor. - 0.4°

Corrected temperature 46.4°

Air 57° Surface 55° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9.43.40	9.46.45	0		
44.73	9.44.45	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

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

REMARKS.

HC 7
517

No. 1844 Hydrog. Date June 5th 1889.

Tanner = Machine. Reel.

Turns 58 Cor. + 2 Depth 60 fms.

~~Shot or~~ lead 25 lb.

Bottom M. & S.

Bottom temperature - Thermometer bent. no temperature

No. of Thermometer 57.260. Cor. —

Corrected temperature —

Air 57° Surface 55° Drift.

Trawl or dredge or tangles

P. M. SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.40.15	47.15	0		
40.50	10.41.00	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

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

REMARKS.

Thermometer #57,260. came to surface with screw badly bent.

K.C. 3.
607

No. 1845 Hydrog. Date June 8th 1889.

Tanner - Machine. - Reel.

Turns 70 Cor. + 3. Depth 73 fms.

Shot or lead 25 lb.

Bottom fine. gy. S.

Bottom temperature 47.6°

No. of Thermometer 57264 Cor. - 0.4°

Corrected temperature 47.2°

Air 57° Surface 55° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
P. M. DOWN.	UP.		DOWN.	UP.
11.35.43	11.38.00	0		
36.25	1136.35	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

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

REMARKS.

Wm H

No. 1846 Hyd. Date June 9th 89

Sanner Machine. Reel.

Turns 76 Cor. + 2 Depth 78

Shot or lead 25. lbs

Bottom fm bk S.

Bottom temperature 46.0°

No. of Thermometer 57264 Cor. - 0.4°

Corrected temperature 45.6°

Air 57 Surface 55 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
12.35.00	12.38.00	0		
12.36.30	12.36.50	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

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

REMARKS.

W. H. 507

No. 18417 Hyd. Date June 9th 1889

Tanner Machine. Reel.

Turns 72 Cor. + 3 Depth 75

Shot or lead 25 lb

Bottom Gl.

Bottom temperature 45.5°

No. of Thermometer 57264 Cor. - 0.4°

Corrected temperature 45.1°

Air 56 Surface 56 Drift.

Trawl or dredge or tangles

SOUNDING WIRE		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1.30.00	1.32.50	0		
1.31.00	1.31.30	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

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

REMARKS.

No. 1848 H₂O. Date

June 9th 89

Sanner

Machine.

Reel.

Turns 58 Cor. + 2

Depth 60

Shot or lead 25 lb

Bottom Rky.

Bottom temperature 46.2°

No. of Thermometer 57264 Cor. - 0.4°

Corrected temperature 45.8°

Air 56 Surface 56 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

2.22.00 2.24.30

2.22.40 2.23.00

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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

SERIAL TEMPERATURE.

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

REMARKS.

Wm. H.

No. *18419* Hyd. Date *June 9th 89*

Tanner Machine. Reel.

Turns *57* Cor. + *2* Depth *59*

~~Shot or lead~~ *26 lbs*

Bottom *P. br. G. S.*

Bottom temperature *47.0°*

No. of Thermometer *57264* Cor. - *0.4°*

Corrected temperature *46.6°*

Air *67* Surface *67* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

A.M. DOWN. *A.M.* UP.

3.21.30 *3.23.50*

3.22.20 *3.22.30*

TURNS.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

DREDGE ROPE.

DOWN.

UP.

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

No. 1850 Hgd Date June 9th 89
 Tanner Machine. Reel.

Turns 55 Cor. + 2 Depth 57

~~Shot~~ or lead 25 lb

Bottom fine Hk S.

Bottom temperature 47.5

No. of Thermometer 57264 Cor. - 0.4°

Corrected temperature 46.6°

Air 57 Surface 57 Drift.

Trawl or dredge or tangles

A.M. SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4.00.00	4.2.20	0		
4.1.00	4.1.10	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

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

REMARKS.

507

No. *Hy. 1851*

Date

June 9th 1889

Tanner

Machine.

Reel.

Turns *63*

Cor. +

2

Depth

65

Shot or lead

25 lbs.

Bottom

fine gy. S.

Bottom temperature

47°

No. of Thermometer

57264

Cor. - *0.4°*

Corrected temperature

46.6°

Air

56

Surface

57

Drift.

Trawl or dredge or tangles

4. W.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

5-3-15

6-30

0

4-45

5-5-0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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

SERIAL TEMPERATURE.

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

REMARKS.

No. 144. 1852 Date

June 9/89

Samner. Machine. Reel.

Turns 43 Cor. + 2 Depth 45

Shot or lead 35 lbs.

Bottom fine gy S bk. sp.

Bottom temperature 46

No. of Thermomcter 57264 Cor. - 0.4°

Corrected temperature 46.1°

Air 56 Surface 57 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

5-48-15

50-0

0

49-15

5-49-20

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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

SERIAL TEMPERATURE.

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

REMARKS.

607
ATP

No. *Hy. 1853* Date *June 9/89.*
Tanner Machine. Reel.

Turns *33* Cor. + *1* Depth *34*

Shot or lead *25 lbs.*

Bottom *fine gy S.*

Bottom temperature *46.5*

No. of Thermometer *57264* Cor. *-0.4'*

Corrected temperature *46.1°*

Air *55* Surface *57* Drift.

Trawl or dredge or tangles

et. d.

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

6-25-15 *6-26-30*

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

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

SERIAL TEMPERATURE.

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

REMARKS.

No.

3055

Date

June 9/89

Tanner

Machine.

Reel.

Turns

507

Cor. +

1

Depth

58

Shot or lead

25 lb.

Bottom

fine gg S.

Bottom temperature

47.8

No. of Thermometer

57364

Cor. - 0.4°

Corrected temperature

47.4°

Air

55

Surface

57

Drift. 2m N 24 1/2 W

Trawl or dredge or tangles

Large beam trawl

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

6-55-15

6-56-30

0

17-6-0

38-0

100

17-0

7-35-15

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Mr. Oakes left ship 4th in string of
to get trawl - returned at 12:00

Oakes nothing.

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

SERIAL TEMPERATURE.

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

REMARKS.

7 species flounders. Crab. few shrimps.

507

W.C.B.

James #3055

No. *3056*

Machine.

Date *June 9th 89*

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of Thermometer

Cor.

Corrected temperature

Air *54°*

Surface *57°*

Drift. *N. 1 1/2 miles.*

Trawl or dredge or tangles *Large Beam.*

SOUNDING WIRE.		TURNS.	AW DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	<i>7-58-30</i>	<i>28.05</i>
		100	<i>8-2-0</i>	<i>8.24.50</i>
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

Similar to 3055. Mostly small Flounders

Tanner.	Machine.	Reel.

~~Shot or lead~~ 25 lb.

Bottom cr. gy. S.

Bottom temperature 46.1°

No. of Thermometer 57264 Cor. - 0.4"

Corrected temperature 45.7°

Air 55° Surface 52° Drift. N.W. x W. 1 mile

~~Trawl or dredge or tangles~~ Large Beam.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9.15.50	07.10	0	9.12.05	58.30
06.20	9.06.35	100	15.20	54.00
		50	19.10	9.52.10
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

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

REMARKS.

Numerous small flounders. 2 Red Rock Cod.
 one Hag fish. 2 large star fish - shrimps
 shells (very few).

W.M.H.
H.C.3

No. 3058 Sledge Date June 9th 1889
Tanner. Machine. Reel.

Turns 37 Cor. + 1 Depth 38 fms.

Shot or lead 25 lbs

Bottom Co. gy. S. Sh.

Bottom temperature 46.2°

No. of Thermometer 57264 Cor. - 0.4°

Corrected temperature 45.8°

Air 55° Surface 53° Drift. 3/4 M N x W

Trawl or dredge or tangles large beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

4.27.30	4.29.30	0	5.10.00	5.29.30
4.28.00	4.28.20	100	5.09.00	5.26.00
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Sinking with hand lines & hauled out.
 commenced at 4.35 - Sinker at 4.57
 caught no fish -

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

SERIAL TEMPERATURE.

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

REMARKS.

Several kind of Plouiders

W. M. H.

No. *30598* Date *June 9th 1889*
Tanner Machine. Reel.

Turns *74* Cor. + *3* Depth *77*

~~Shot or lead~~ *25 lbs*

Bottom *M.*

Bottom temperature *45.5*

No. of Thermometer *57264* Cor. *-0.4°*

Corrected temperature *45.1°*

Air *58* Surface *58* Drift.

Trawl or dredge or tangles *large beam*

SOUNDING WIRE.		TURNS.	P.M. DREDGE ROPE P.M.	
P.M. DOWN.	P.M. UP.		DOWN.	UP.
<i>7.13.00</i>	<i>7.15.00</i>	0	<i>7.18.00</i>	<i>8-03-0</i>
<i>7.13.50</i>	<i>7.14.00</i>	100	<i>7.23.30</i>	<i>8.00.00</i>
		185	<i>7.28.30</i>	<i>7.58.30</i>
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

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

REMARKS.

5 species of P. lundae.
a few shales
Shells. Starfish. Squid. Octopus

HC. 2.
507

No. 3060 Dredge - Date June 13th 1889.
Tanner. Machine. Reel.

Turns 27 Cor. + 1 Depth 28 fms.

~~Shot or~~ lead 25 lb.

Bottom br. M.

Bottom temperature —

No. of Thermometer 57264 Cor. —

Corrected temperature —

Air 54° Surface 53° Drift. 1/2 mi. E. & E.

Trawl ~~or dredge or tangles~~ Large Beam —

Mr. Alexander Capt. ship in dinghy at 6.50 A.M.
 to set trawl lines - Returned at 7.40 A.M.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
6.50.50	52.08	0	6.52.20	12.10
6.51.20	6.51.30	90	55.30	7.09.00
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

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

REMARKS.

When lowered thermometer failed to upset.
 A few crabs & shrimps. Some tinced
 & a few small flounders.

No. 3061 Sledge Date June 13th 1889.
Tanner Machine. — Reel.

Turns 22 Cor. + 1 Depth 23 fms.
~~Shot~~ or lead 25 lb.

Bottom fine blk. S.

Bottom temperature 48.8°

No. of Thermometer 57264 Cor. - 0.4°

Corrected temperature 48.4°

Air 54° Surface 53° Drift. 1 mi. N.N.W.

Trawl or dredge or tangles Large Beam.

SOUNDING WIRE.

DOWN. UP.

7.18.35 19.10
18.45 7.18.50

TURNS.

90
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400

DREDGE ROPE.

DOWN. UP.

7.20.45 50.15
25.00 7.47.15

Set Clock back 8 minutes. 8.04 to 8.12 A.M.

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

Torn cor. 6 Kind of flowers
 skate. smelt. one crab
 and several shrimp. Jelly fish

HC. 3.
507
W.H.H.

No. 3062. Dodge Date June 13th 1889.
Tanner. Machine. — Reel.

Turns 42 Cor. + 2 Depth 44 fms.
~~Shot~~ or lead 25 lb.

Bottom fine. bk. S.

Bottom temperature 45.6°

No. of Thermometer 57264 Cor. - 0.4°

Corrected temperature 45.2°

Air 54° Surface 54° Drift. 8/10 m. E x N.

Trawl or dredge or tangles large beam

Q. M. SOUNDING WIRE.		TURNS.	Q. M. DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8.02.10	03.50	0	8.32.00	8.55.00
.02.43	8.02.50	100	8.35.30	8.51.30
		120	8.37.00	8.50.00
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Commenced clicking with hand lines over
starboard side at 8.5 A.M. - Stopped at 8.30
9 Lines over -
Catch - 1 yellow Rock cod.

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

4 species of flounders
 Small scallops, sculpins
 Octopus
 few shrimp
 Starfish

W. B. H.

No. 3063. Day Date June 13th 1889
Banner Machine. Reel.

Turns 410 Cor. + 2 Depth 42

Shot or lead 25 lbs

Bottom fm gy S.

Bottom temperature 46.2°

No. of Thermometer 67264 Cor. - 0.4°

Corrected temperature 45.8°

Air 56 Surface 54 Drift. NE 2N 1 1/2°

Trawl or dredge or tangles large beam

SOUNDING WIRE.

DOWN.

UP.

8 55.00 8 57.00
9 55.50 8 56.00

TURNS.

DREDGE ROPE.

DOWN.

UP.

9 16.00 9 48.30
9 22.30 9 45.30
9 23.20 9 44.00

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

Mr. Alexander left the ship to get
trawls at 10.5. Return to at 11.10

Catch, 1 large skate + 1/4 Atlantic.

Common at 10 fms with haul lines at
8.58, stopped at 9.13 9 lines out.
Catch, no fish

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

SERIAL TEMPERATURE.

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

REMARKS.

7 species of Plounders
Squid
Shrimp
Starfish

W 11/17 607

No. 1854 Hyd. Date June 13th 1889
 Tanner Machine. Reel.

Turns 24 Cor. + 1 Depth 25

~~Shot or lead~~ 25

Bottom fine gy S.

Bottom temperature 49°

No. of Thermometer 57264 Cor. - 0.4°

Corrected temperature 48.6°

Air 56 Surface 54 Drift.

Trawl or dredge or tangles

G.M. SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.6.30	10.8.00	0		
10.7.00	10.7.20	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Commenced to fish with hand lines at 10.05
 Stopped at 10.45. 10 lines out.
 Catch. no fish

Received from Lt. H. Storer "Margarita"

1 shelling shovels.

Set clock back 6 minutes.

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

SERIAL TEMPERATURE.

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

REMARKS.

No. 3064 Sledge. Date June 13th 1889.
Tanner Machine. — Reel.

Turns 44 Cor. + 2 Depth 46 fms.

~~Shot or~~ lead 25 lb.

Bottom fine gy. S. & S.

Bottom temperature 46°

No. of Thermometer 57264 Cor. - 0.4°

Corrected temperature 45.6°

Air 57° Surface 58° Drift N. W. 3/4 W. 1 mile

Trawl or dredge or tangles Large Beam.

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

P.M. DOWN.		UP.	TURNS.	P.M. DOWN.		UP.
12.30.00		31.30	0	12.33.10		59.10
30.25		14.30.30	100	36.30		56.05
			130	37.42		12.55.00
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			

Hand line fishing over port side began
at 1. P.M. stopped at 1.15 P.M. 9 lines out.
Catch - mix.

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

Six species flounders; skate; Sculpin;
 Lycodapus; Tom cod, shrimps; star fish;
 Hyacinth stars; Sea-slug; Octopus; a few
 shells.

HC 21
607

No. 3065 Dredge. Date June 13th 1889-
Tanner Machine. Reel.

Turns 26 Cor. + 1 Depth 27 fms.

Shot or lead 25 lbs.

Bottom fine bk. s.

Bottom temperature —

No. of Thermometer 57.264 Cor. —

Corrected temperature —

Air 58° Surface 57° Drift. N.E. 1 mile.

Trawl or dredge or tangles Large Beam.

SOUNDING WIRE.

P.M. DOWN.

UP.

2.32.20

34.00

32.45

2.33.05

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

P.M. DREDGE ROPE.

DOWN.

UP.

2.36.00 3.00.00

42.10 2.56.45

Stand line fishing over port side, commenced at 3.00 P.M. and stopped at 3.15 - 7 lines out. Catch - nix.

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

SERIAL TEMPERATURE.

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

REMARKS.

Thermometer 157464. failed to capsize when lowered - Oiled same at Captain's direction. ~~~~~
 Six species Flounders, tom cod; skate; shrimps; star-fish; shells; holothurians

Wm. H. 007

No. *3066* Dredge Date *June 13th 1889*

Panzer Machine. Reel.

Turns *53* Cor. + *2* Depth *55-*

Shot or lead *25 lb*

Bottom *S. M.*

Bottom temperature *4/6.*

No. of Thermometer *57264* Cor. - *0.4°*

Corrected temperature *45.6°*

Air *58* Surface *57* Drift *1 M. WNW*

Trawl or dredge or tangles *large beam*

P.M. SOUNDING WIRE.

DOWN.

UP.

TURNS.

P.M. DREDGE ROPE.

DOWN.

UP.

5:720

5:11.00

0

5:25.00 5:56.30

5:800

5:8.20

100

5:30.30 5:53.00

200

5:33.10 5:50.00

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

*Common cut up fish at 5:10 stopped at 5:23
9 lines out.
900 fish*

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

SERIAL TEMPERATURE.

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

REMARKS.

4 species of *Platichthys*
 1 skate.
 1 *Lycodopsis*
 Shrimp
 Starfish
 Squid & Shells

No. 1855 Hydrog. Date June 14th 1889,
Tanner Machine. Reel.

Turns 43 Cor. + 2, Depth 45 fms.

~~Shot~~ or lead 25 lb.

Bottom rky. & G.

Bottom temperature 47.°

No. of Thermometer 57264 Cor. - 0.4°

Corrected temperature 46.6°

Air 56° Surface 54° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
A. M. 10.12.45	14.30	0		
13.16	10.13.30	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

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

REMARKS.

No. 1856 Hydrog. Date June 14th 1889.

Tanner Machine. Reel.

Turns 30 Cor. + 1 Depth 31 fms.

~~Shot or~~ lead 25 lb.

Bottom G. + brk. Sh.

Bottom temperature 47.5°

No. of Thermometer 57.264 Cor. 0.4°

Corrected temperature 47.1°

Air 56° Surface 54° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.26.50	28.00	0	Flat Boat / Red Rock / Dog fish. Retrieved 1.5.6	
27.5	10.27.20	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Mr. Alexander left ship at 10.30 A.M. in dinghy to set trawl lines. Blad bottom boat accompanying him. To render such assistance as may be needed. Returned at 1.5.6 (Flat Boat). 2.5.6 Dinghy

Head line fishing over port side commenced at 10.40 and stopped at 11.50 A.M. 8 lines over. Catches: 1 Halibut. 93 lb. 4 Red Rock Cod.

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

Fishing Station

Returned 2:05 P.M.

Dringhy's REMARKS. Catch

Halibut 8. 290 lb average 35 lb each

Cutter 600 1. 19. "

Red Rock 10. 60. " 10 " "

Skate 1.

Dog fish 45.

Rockcod 2. 12. "

Sea trout 1. 2. "

507
 402
 Y. A. P.

No. 3067 Bridge Date June 18th 1889.
 Tanner Machine. Reel.

Turns 79 Cor. + 3 Depth 82 fms.
~~Shot or~~ lead 25 lb.

Bottom gy. M.

Bottom temperature _____

No. of Thermometer _____ Cor. _____

Corrected temperature _____

Air 58 Surface 56 Drift. Sw x W 1 1/2 mi.

Trawl or dredge or tangles large beam.

P. M. SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1.36.50	38.15	0	1.38.20	16-30
1.37.30	1.37.40	100	42-0	13-30
		170	44-15	2-10-15
		200	50-0	
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

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

REMARKS.

Chimæra, two species of flounders,
hake, shrimps, starfish, sea-anemone,
shells.

No.

3068

Date

June 18 1889.

Tanner

Machine.

Reel.

Turns 131

Cor. +

4

Depth

135

Shot or lead

25 lbs.

Bottom

gn m

Bottom temperature

51.5

No. of Thermometer

57264

Cor. -0.4°

Corrected temperature

54.1°

Air

60

Surface

58

Drift.

4 x 8 1/2 m

Trawl or dredge or tangles

Large Beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

P.W.

2-36-0

40-15

0

2-48-30

52-45

57-0

2-57-35

100

47-30

49-0

57-50

31
200

51-15

26-0

300

54-30

22-15

30
400

59-15

3-21-15

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 TEMPERATURE.

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

REMARKS.

3 kinds flounders, hake, skate,
 shrimps, star fish, sea-anemone
 shells.

H.C.F.
507
M.H.

No. 3069 - Dredge, Date June 28th 1889.

Sigsbee Machine. 2 Reel.

Turns 695 Cor. + 65 Depth 760 fms.

Shot ~~or lead~~ 35 lbs.

Bottom Gn M.

Bottom temperature 38.4°

No. of Thermometer 57264 Cor. - 0.8°

Corrected temperature 37.6°

Air 56° Surface 56° Drift. 7 m. WNW

Trawl ~~or dredge or tangles~~ Large beam.

SOUNDING WIRE.		TURNS.	A.M. DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7.06.00	25.15	0	7.41.50	9.54.30
07.15	24.30	100	45.20	9.51.00
08.20	23.30	200	49.35	9.48.00
09.30	22.50	300	54.00	9.46.00
10.35	22.00	400	57.10	9.44.00
12.05	21.00	500	8.01.25	9.42.30
13.30	19.20	600	8.04.00	9.39.10
14.45	16.20	700	8.07.10	9.36.00
		800	8.10.50	9.33.00
		900	8.14.30	9.30.00
		1000	8.17.30	9.27.30
		1100	8.21.00	9.24.40
		1200	8.24.30	9.21.00
		1300	8.27.00	9.17.00
		1400	8.30.00	9.13.30
		1500	8.33.30	9.10.00
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

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

REMARKS.

Holothurians, Ophiurans, Verillia
Starfish, Shrimps.
 Stops carried away and trawl covered
 Expended one glass float.

W. H. 4
O. H. 1

No. 3070 Dodge Date June 28th 1889
 Sigbee Machine. Reel. #2
 Turns 580 Cor. + 56 Depth 636
 Shot or lead 35 lb
 Bottom gm M.
 Bottom temperature 38.7
 No. of Thermometer 57264 Cor. -0.8°
 Corrected temperature 37.9°
 Air 67 Surface 67 Drift. 2m E
 Trawl or dredge or tangles large beam

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10. 8.00	10.28.00	0	10.56.00	55-0
10. 10.00	10.27.00	100	11. 01.00	51-45
10. 11.30	10.26.00	200	11. 04.00	49-35
10. 12.40	10.25.00	300	11. 07.00	46-30
10. 14.00	10.24.00	400	11. 11.00	44-0
10. 15.30	10.23.00	500	11. 14.30	41-0
10. 16.30	10.22.00	580 600	11. 18.00	37-30
		700	11. 22.00	34-15
		800	11. 25.00	31-0
		900	11. 28.00	28-0
		1000	11. 31.30	24-15
		1100	11. 34.00	20-30
		1200	11. 37.30	12-15-30
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

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

REMARKS.

Sebastes
~~Arrowy Gadoid~~ - *Snipe Eel - diacurus*
 Hag fish - *Chauliodus* Ophiurans -
 Star fish - Shrimps - Crinoids -
 Jelly fish - Shells -

No.

3071

Date

June 28/89.

Sigsbee

Machine. 2 Reel.

Turns 625 Cor. + 60 Depth 685

Shot or lead 35 lbs.

Bottom gn m

Bottom temperature 39.5

No. of Thermometer 57264 Cor. -0.8°

Corrected temperature 38.0°

Air 56 Surface 55 Drift. 1 1/2 S x N.

Trawl or dredge or tangles Large Beam

P.M. SOUNDING WIRE.

DOWN.

UP.

TURNS.

P.M. DREDGE ROPE.

DOWN.

UP.

1-05-15	24-30	0	1-33-30	40-30
4-25	24-0	100	1-37-0	37-30
5-25	23-0	200	1-40-30	35-0
6-25	22-15	300	43-30	32-45
7-25	21-25	400	46-0	28-25
11-15	20-30	500	48-30	25-15
16-30	19-30	600	50-30	22-25
17-0	1-14-0	700	53-0	18-45
		800	56-0	15-0
		900	59-30	11-15
		1000	2-2-0	6-30
		1100	5-03-3-45	
		1200	7-45	59-0
		1300	10-30	54-0
		1400	13-30	2-49-30
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

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

REMARKS.

Sebastoporus
~~*Chromis*~~ *Macrurus* -
Flagfish - *Chauliodus* - *Ophiurans* -
Star fish - *Shrimps* - *Crinoids* -
Shells - *Pennatulids* -

No.

3072

Date

June 28th 89

Machine.

Reel.

#2

Turns 533

Cor. +

57

Depth

584

Shot or lead

35 lbs.

Bottom

gn M.

Bottom temperature

39.0

No. of Thermometer

57264

Cor. -0.8°

Corrected temperature

38.2°

Air

56

Surface

55

Drift.

2 mi. E. N. E.

Trawl or dredge or tangles

Small beam.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

56-30 4. 15.00
 57-30 1. 13.30
 58-30 4 12.00
 59-30 4. 9.00
 4-0-30 1. 02
 1-45
 2-10 4. 9.01

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

4. 29.00 21-30
 4. 32.00 18-15
 4. 35.30 16-45
 4. 38.00 14-0
 4. 41.00 11-15
 4. 44.00 8-0
 4. 47.00 5-0

4. 50.00 6-3-0

4. 53.30 5. 39.30

4. 56.00 5. 56.30

4. 59.00 5. 54.00

5-1-0 5. 50.00

5. 3-45 5. 45.00

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

SERIAL TEMPERATURE.

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

REMARKS.

Small Fishes - undetermined

No. *3073* Date *June 28th 89.*
Digby Machine. Reel. *#2*

Turns *435* Cor. + *42* Depth *477*

Shot or lead *35 lbs.*

Bottom *gn. M.*

Bottom temperature *49.6*

No. of Thermometer *57264* Cor. *-0.4°*

Corrected temperature *49.2°*

Air *56* Surface *55* Drift. *2 M. East.*

Trawl or dredge or tangles *Small Beam*

SOUNDING WIRE.

P.W.

DOWN.

UP.

P.M. P.W.
TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>6-25-30</i>	<i>38-15</i>	0	<i>6-48-30</i>	<i>8.39.30</i>
<i>26-15</i>	<i>37-0</i>	100	<i>52-30</i>	<i>8.37.00</i>
<i>27-30</i>	<i>36-15</i>	200	<i>55-30</i>	<i>8.34.00</i>
<i>29-30</i>	<i>35-25</i>	300	<i>58-0</i>	<i>8.31.00</i>
<i>30-45</i>	<i>34-0</i>	400	<i>7-01-30</i>	<i>8.28.00</i>
<i>31-10</i>	<i>6-33-30</i>	<i>45</i> 500	<i>4-0</i>	<i>8.21.00</i>
		600	<i>6-30</i>	<i>8.18.00</i>
		700	<i>10-0</i>	<i>8.15.00</i>
		800	<i>14-0</i>	<i>8.12.40</i>
		900	<i>17-15</i>	<i>8.9.00</i>
		1000	<i>21-0</i>	<i>8.6.30</i>
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*Click set back 28 minutes
 did not change watch*

507

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

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100		16.42		
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Sebastolobus
 Sole. Norway Haddock. Hag Fish. Macrurus -
 Other fish undetermined -
 Shells - shrimp - Star fish - Ophiurans -
 Sea urchins - Worms - sea anemone -
 Pennatulid - Holothurians -

No. *Hy. 1854* Date *June 29th 1889*
Sigsbee Machine. Reel. *#2*
 Turns *786* Cor. + *74* Depth *860*
 Shot or lead *35 lbs.*
 Bottom *gn. M.*
 Bottom temperature *37.5*
 No. of Thermometer *54264* Cor. *-0.8°*
 Corrected temperature *36.7°*
 Air *57* Surface *54* Drift.
 Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>4-55-0</i>	<i>15-0</i>	0		
<i>56-20</i>	<i>14-0</i>	100		
<i>57-30</i>	<i>13-05</i>	200		
<i>58-45</i>	<i>12-15</i>	300		
<i>5-0-0</i>	<i>11-20</i>	400		
<i>1-0</i>	<i>10-20</i>	500		
<i>2-20</i>	<i>9-15</i>	600		
<i>3-40</i>	<i>8-0</i>	700		
<i>5-0</i>	<i>5-7-00</i>	<i>86</i> 800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

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

REMARKS.

No.

3044

Date

June 29th 1889

Sigsbee

Machine.

Reel.

#2

Turns 800

Cor. +

77

Depth

877

Shot or lead

35 lb

Bottom

gn. m.

Bottom temperature

37.4

No. of Thermometer

57064

Cor. - 0.8°

Corrected temperature

36.6°

Air

57

Surface

54

Drift. 1 1/2 mi. E.

Trawl or dredge or tangles

Large Beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

6-3-45 24-15

0

6-35-15 9.32.30

5-10 28-20

100

40-0 28.30

6-30 27-20

200

43-0 25.25

8-20 26-20

300

46-15 22.15

10-0 25-15

400

48-10 19.00

11-15 24-15

500

51-0 15.30

12-50 23-0

600

55-0 12.25

14-25 21-30

700

58-0 09.00

15-50 6-18-10

800

7-1-45 05.10

900

4-45 9.01.12

1000

8-25 57.45

1100

12-30 53.20

1200

15-30 49.55

1300

18-30 46.40

1400

22-15 41.35

1500

25-30 37.00

1600

36-0 32.30

1700

59.15 8.27.15

1800

1900

2000

2100

2200

2300

2400

*Clock set back 5 minutes

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

SERIAL TEMPERATURE.

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

REMARKS.

*Macrurus. Antimora. and other small
 fishes. Holothurians. Star fish - Ophiurans
 Sea anemone - Hermit crabs - shrimps -
 Octopus - Worms -*

No. 3075 dredge. Date June 29th 1889.

Sigsbee Machine. 12 Reel.

Turns 775 Cor. + 74 Depth 859 fms.

Shot or lead 35 lb.

Bottom gn. M.

Bottom temperature 37.4°

No. of Thermometer 57264 Cor. - 0.8°

Corrected temperature 36.6°

Air 57° Surface 57° Drift. 2 mi. E. S. E.

Trawl or dredge or tangles Large Beam.

SOUNDING WIRE.

A.M. DOWN.	UP.
9.35.35	9.54.35
36.41	53.50
38.35	53.05
39.45	52.20
40.45	51.30
41.50	50.35
43.00	49.30
44.20	48.25
45.20	9.47.00

TURNS.

0
100
200
300
400
500
600
700
75
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400

A.M. DREDGE ROPE.

DOWN.	P.M. UP.
10.02.05	12.50.15
05.30	46.35
08.05	43.25
11.10	40.10
14.40	37.00
16.30	33.15
19.00	29.50
21.40	26.20
24.30	23.00
27.35	19.35
30.30	14.50
33.20	09.30
36.40	P.M. 12.04.25
40.20	59.40
43.40	54.50
46.45	49.10
49.50	43.50
53.20	11.37.00

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

Pennatula - Star fish. Shells. Shrimps.
Norma - *Macrurus*.
~~Norway~~ *Hardock* - One Black Cod -
Sebastes

H.C. 71
507
Wm. L.

No. 3076 Dredge Date June 29th 1889.

Sigsbee Machine. 2 Reel.

Turns 160 Cor. + 18 Depth 178 fms.

~~Shot~~ or lead 35 lb.

Bottom gn. M.

Bottom temperature 43.8°

No. of Thermometer 57264 Cor. -0.4°

Corrected temperature 43.4°

Air 59° Surface 57° Drift 2 1/2 m. E. S. E.

Trawl or dredge or tangles Large beam -

SOUNDING WIRE.

P.M. DOWN.

UP.

TURNS.

DREDGE ROPE.

P.M. DOWN.

P.M. UP.

4.27.50	33.30	0	4.35.50	5.28.30
28.50	32.30	100	4.40.00	5.26.30
29.30	4.32.05	200	4.44.00	5.23.00
		300	4.47.00	5.19.25
		400	4.55.00	5.15.15
		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 TEMPERATURE.

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

REMARKS.

Shells Hermit Crabs Sea anemones -
 Worms. sea urchins - Octopus - Shrimps -
 Star fish - flounders - Sibastolobus -
 Red Rock Cod -

No. *3074* Date *July 23rd 89*
Danner Machine. — Reel.
 Turns *315* Cor. + *7* Depth *322 fms.*
 Shot or lead *25 lbs.*
 Bottom *gr. M. & S.*
 Bottom temperature *42.8*
 No. of Thermometer *57264* Cor. — *0.4°*
 Corrected temperature *42.4°*
 Air *63°* Surface *60°* Drift. $\frac{3}{4}$ mi. *S.E. x S. (M)*
 Trawl or dredge or tangles *Large Beam*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>3-59-0</i>	<i>10-30</i>	0	<i>4-6-0</i>	<i>5.31.00</i>
<i>4-0-0</i>	<i>8-0</i>	100	<i>12-0</i>	<i>5.27.30</i>
<i>1-15</i>	<i>6-0</i>	200	<i>16-15</i>	<i>5.23.10</i>
<i>2-15</i>	<i>4-2-20</i>	300	<i>20-45</i>	<i>5.17.40</i>
		400	<i>23-40</i>	<i>5.08.45</i>
		500	<i>26-15</i>	<i>5.00.30</i>
		600	<i>28-45</i>	<i>4.56.30</i>
		700	<i>32-0</i>	<i>4-48-0</i>
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Found Surface Oyster while dredging.

Shot came to surface full of mud.

going slowly ahead the shot mud out, net was badly torn and stays carried away, capsizing the net.

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

Sea urchins. Star fishes. Ophiurans -
 Worms - Shells. Hag fish. 2 other small
 fishes -

307

No. *Hy. 1858* Date *August 28/89*

Tanner. Machine. Reel.

Turns *51* Cor. + *2* Depth *53*

Shot or lead *25 lb.*

Bottom *fine gy S.*

Bottom temperature *46*

No. of Thermometer *57264* Cor. *-0.4°*

Corrected temperature *45.6°*

Air *60* Surface *59* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>P.W.</i> <i>11-50-0</i>	<i>11-520</i>	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Lillanook Rk. Lt. bore N.E. x W. (Mag.)

distant 8.2 miles.

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

107
APP

No. *Hy 1859* Date *Aug. 29/89*
Tanner Machine. Reel.

Turns *70* Cor. + *3*. Depth *73*

Shot or lead *25 lbs.*

Bottom *fine gy. S bk. sp.*

Bottom temperature *46*

No. of Thermometer *59564* Cor. *-0.4°*

Corrected temperature *45.6°*

Air *60* Surface *58* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>12-47-0</i>	<i>12-50-0</i>	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Tillamook Rock Pt. bore N.E. 1/4 E. (mag.)

distant 12.7 -

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

SERIAL TEMPERATURE.

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

REMARKS.

No. *Hy. 1860* Date *Aug. 29/89.*
Tanner Machine. Reel.
 Turns *81* Cor. + *3* Depth *84 fms.*
 Shot or lead *25 lbs.*
 Bottom *fine gy. S. & M*
 Bottom temperature *46.2*
 No. of Thermometer *57264* Cor. *-0.4°*
 Corrected temperature *45.8°*
 Air *60* Surface *58* Drift.
 Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1-47-0</i>	<i>1-50-0</i>	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Lilamoak Rock St. bore N. E. 3/4 E. (mag.)
distant 17.5-

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

No. *Hy. 1861* Date *Aug 29/89.*
Tanner Machine. Reel.
 Turns *84* Cor. + *3* Depth *87*
 Shot or lead *25 lbs*
 Bottom *fine g. s. + M.*
 Bottom temperature *45.2*
 No. of Thermometer *57264* Cor. *-0.40*
 Corrected temperature *45.30*
 Air *59* Surface *58* Drift.
 Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>at. dec.</i> <i>2-45-0</i>	<i>2-49-0</i>	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

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

REMARKS.

CHAP

No. *Hy. 1862* Date *Aug. 29/89.*
Banner. Machine. Reel.

Turns *78* Cor. + *3* Depth *81*

Shot or lead *25 lbs.*

Bottom *le.*

Bottom temperature *45.5*

No. of Thermometer *57264* Cor. *-0.4°*

Corrected temperature *45.1°*

Air *59* Surface *58* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>Ch. W.</i> <i>3-42-0</i>	<i>3-44-0</i>	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

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

REMARKS.

N.C. 9.

No. 1863 Hydrog. Date Aug. 29th 1889,
Tanner Machine. — Reel.

Turns 116 Cor. + 4 Depth 120 fms —

~~Shot or~~ lead 25 lbs.

Bottom fine gy. S.

Bottom temperature 45°

No. of Thermometer 57264 Cor. -0.4°

Corrected temperature 44.6°

Air 59° Surface 59° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
A.M. 4.44.05	4.48.30	0		
45.00	46.05	100		
45.10	4.45.40	200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

N.S. 3.

No. 1864 Hydrog. Date Aug. 29th 1889.

Tanner Machine. — Reel

Turns 181 Cor. + 5 Depth 186 fms.

~~Shot~~ lead 25 lbs.

Bottom M.

Bottom temperature 43.9°

No. of Thermometer 57264. Cor. - 0.4°

Corrected temperature 43.5°

Air 59° Surface 59° Drift.

Trawl or dredge or tangles

A.M. SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
6.15.20	6.23.20	0		
16.12	20.00	100		
17.04	6.17.15	200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

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

REMARKS.

Cor Table #2 Red

Cor	Turns	Cor	Turns	Cor	Turns
0	50	43	1950	167	3850
0	100	45	2000	171	3900
0	150	47	2050	175	3950
1	200	50	2100	179	4000
1	250	53	2150	184	4050
1	300	55	2200	188	4100
2	350	57	2250	193	4150
2	400	60	2300	197	4200
3	450	63	2350	202	4250
3	500	66	2400	206	4300
4	550	68	2450	211	4350
5	600	71	2500	216	4400
5	650	74	2550	221	4450
6	700	77	2600	225	4500
7	750	80	2650	230	4550
8	800	83	2700	235	4600
9	850	86	2750	240	4650
10	900	89	2800	245	4700
11	950	92	2850	250	4750
12	1000	95	2900	253	4780
13	1050	99	2950		
14	1100	102	3000		
15	1150	106	3050		
16	1200	109	3100		
18	1250	113	3150		
19	1300	116	3200		
21	1350	120	3250		
22	1400	123	3300		
24	1450	127	3350		
25	1500	131	3400		
27	1550	135	3450		
29	1600	138	3500		
31	1650	141	3550		
33	1700	145	3600		
35	1750	150	3650		
37	1800	154	3700		
39	1850	158	3750		
41	1900	162	3800		

Correction 253
 W of True 4780

$$\begin{array}{r}
 253 \\
 186 \\
 \hline
 4780.67 \\
 160 \\
 \hline
 4620.953 \\
 112 \\
 \hline
 69
 \end{array}
 \qquad
 \begin{array}{r}
 4780 \\
 160 \\
 \hline
 4620 \\
 253 \\
 \hline
 236 \\
 17 \\
 253 \\
 179 \\
 \hline
 74
 \end{array}$$

$$\begin{array}{r}
 253 \\
 235 \\
 \hline
 18
 \end{array}
 \qquad
 \begin{array}{r}
 4780 \\
 695 \\
 \hline
 4085
 \end{array}
 \qquad
 \begin{array}{r}
 4780 \\
 786 \\
 \hline
 5994
 \end{array}$$

$$\begin{array}{r}
 235- \\
 197 \\
 \hline
 38
 \end{array}$$

$$\begin{array}{r}
 580 \\
 38 \\
 \hline
 618
 \end{array}$$

$$\begin{array}{r}
 253 \\
 176 \\
 \hline
 77
 \end{array}$$

$$\begin{array}{r}
 4780 \\
 435 \\
 \hline
 4345
 \end{array}$$

$$\begin{array}{r}
 4780 \\
 625 \\
 \hline
 4155
 \end{array}$$

$$\begin{array}{r}
 253 \\
 195 \\
 \hline
 60
 \end{array}$$

$$\begin{array}{r}
 253 \\
 211 \\
 \hline
 42
 \end{array}$$

$$\begin{array}{r}
 4780 \\
 102 \\
 \hline
 59804780
 \end{array}$$

$$\begin{array}{r}
 553 \\
 4247
 \end{array}$$

$$\begin{array}{r}
 553 \\
 202 \\
 \hline
 51
 \end{array}$$

$$\begin{array}{r}
 253 \\
 197 \\
 \hline
 56
 \end{array}$$

See preceding page
Correction Table Ref #2

Co	Pune	Co	Pune	Co	Pune	Co
0	50	25	1300	83	2550	
0	100	27	1350	86	2600	
1	150	29	1400	89	2650	
1	200	30	1450	92	2700	
2	250	31	1500	95	2750	
3	300	33	1550	98	2800	
4	350	35	1600	101	2850	
4	400	37	1650	104	2900	
5	450	39	1700	107	2950	
6	500	41	1750	110	3000	
7	550	43	1800	113	3050	
8	600	45	1850	116	3100	
9	650	47	1900	120	3150	
10	700	49	1950	124	3200	
11	750	51	2000	128	3250	
12	800	53	2050	132	3300	*
13	850	56	2100	136	3350	
14	900	59	2150	140	3400	
15	950	62	2200	144	3450	
17	1000	65	2250	148	3500	
19	1050	68	2300			
21	1100	71	2350			
22	1150	74	2400			
23	1200	77	2450			
24	1250	80	2500			

2

No of turns on Reel 3270

Turns

Correction 130

$$\begin{array}{r} 4780 \\ 775 \\ \hline 4005 \end{array}$$

$$\begin{array}{r} 253 \\ 179 \\ \hline 70 \end{array}$$

$$\begin{array}{r} 3270 \\ 53 \\ \hline 3217 \end{array}$$

$$\begin{array}{r} 130 \\ 125 \\ \hline 5 \end{array}$$

$$\begin{array}{r} 253 \\ 188 \\ \hline 65 \\ 695 \\ \hline 760 \end{array}$$

$$\begin{array}{r} 253 \\ 216 \\ \hline 37 \end{array}$$

$$\begin{array}{r} 13 \\ 2 \\ \hline 253 \end{array}$$

$$\begin{array}{r} 4780 \\ 775 \\ \hline 4005 \end{array}$$

$$\begin{array}{r} 775 \\ 70 \\ \hline 859 \end{array}$$

$$\begin{array}{r} 3270 \\ 170 \\ \hline 3100 \\ 188 \\ 116 \\ \hline 14 \end{array}$$