

Nº 15.

Mch 24th 1890.

Apr 5th 1890.

Dr 3169 to 3194.

Hy^d-2176 to 2250.

Cor

Sigsbee.

4609 Turns on Reel.

Correction - 12 Reel - 235 -

Cor ⁿ	Turns	Cor ⁿ	Turns	Cor ⁿ	Turns
0	50	31	1650	120	3250
0	100	33	1700	123	3300
0	150	35	1750	127	3350
1	200	37	1800	131	3400
1	250	39	1850	135	3450
1	300	41	1900	138	3500
2	350	43	1950	141	3550
2	400	45	2000	145	3600
3	450	47	2050	150	3650
3	500	50	2100	154	3700
4	550	53	2150	158	3750
5	600	55	2200	162	3800
5	650	57	2250	167	3850
6	700	60	2300	171	3900
7	750	63	2350	175	3950
8	800	66	2400	179	4000
9	850	68	2450	184	4050
10	900	71	2500	188	4100
11	950	74	2550	193	4150
12	1000	77	2600	197	4200
13	1050	80	2650	202	4250
14	1100	83	2700	206	4300
15	1150	86	2750	211	4350
16	1200	89	2800	216	4400
18	1250	92	2850	221	4450
19	1300	95	2900	225	4500
21	1350	99	2950	230	4550
22	1400	102	3000	235	4600
24	1450	106	3050	}	4650
25	1500	109	3100	}	4700
27	1550	113	3150	}	4750
29	1600	116	3200	}	4800

~~350~~
~~113~~
237 Turns on Tanner Reel.

16 to 38 -- + 1.

39 to 70 -- + 2.

71 to 110.5 -- + 3.

106 to 142 -- + 4.

143 to 190 -- + 5.

191 to 260 -- + 6.

261 to 350 -- + 7.

4509
 111
 4498

4609
 192
 4407
 235
 218
 18

4500
 122
 4478

223
 122
 101

235
 223
 12

4609
 186
 4423

4609
 220

4409

235
 217
 18

No. *2176 Hy* Date *March 24/92*

Machine. — Reel.

Turns *32* Cor. + *1* Depth *33*Shot or lead *25 lbs*Bottom *R Ky.*

Bottom temperature

No. of Thermometer — Cor.

Corrected temperature

Air *57* Surface *55* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

*P.W.**12-27-0**12-28-30**0*

100

200

300

400

500

600

700

800

900

1000

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	3500	
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	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
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900				
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REMARKS.

No. 2177 Hyd Date March 24/90

Ganner, Machine. — Reel.

Turns 42 Cor. + 2 Depth 44

Shot or lead 25 lbs

Bottom R & G

Bottom temperature

No. of Thermometer — Cor. —

Corrected temperature

Air 54 Surface 55 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

1-0-0

1-0-0

0

100

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	3200	
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	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
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REMARKS.

No.

2178 Hy^d

Date

March 24/90

Tanner

Machine.

Reel.

Turns 40

Cor. +

2

Depth

42

Shot or lead

25 lbs.

Bottom

R. C.

Bottom temperature

No. of Thermometer

Cor. —

Corrected temperature

Air

54

Surface

55

Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

P. 110

P. 110

1-13-30

1-14-30

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.
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900				
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REMARKS.

No.

217974²

Date

March 24/90

Sinner.

Machine.

Reel.

Turns 45

Cor. +

2

Depth

47

Shot or lead

25 lbs.

Bottom

R. M.

Bottom temperature

No. of Thermometer

Cor. —

Corrected temperature

Air

54

Surface

55

Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

1-25-0

1-26-45

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

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1400

1500

1600

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2100

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2400

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	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
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REMARKS.

No. *2180 Hyd* Date *March 24/90*

Ganner. Machine. — Reel.

Turns *55* Cor. + *2* Depth *57*

Shot or lead *25 lbs.*

Bottom *yl S.*

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air *54* Surface *55* Drift.

Trawl or dredge or tangles —

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>P. 2180</i>	DOWN.	UP.		
<i>1-38-0</i>		<i>1-39-30</i>	0	
			100	
			200	
			300	
			400	
			500	
			600	
			700	
			800	
			900	
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SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
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800				
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REMARKS.

No. 2181 Hyd. Date March 24/90.

Tanner. Machine. — Reel.

Turns 39 Cor. + 2 Depth 41

Shot or lead 25 lbs.

Bottom ye S.

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air 54 Surface 55 Drift.

Trawl or dredge or tangles —

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

Q. 11	DOWN.	UP.		
1-59-30	2-0-40		0	
			100	
			200	
			300	
			400	
			500	
			600	
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SERIAL TEMPERATURE.

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

REMARKS.

No. *2182* *Hyd* Date *March 24/90**anner* Machine. — Reel.Turns *37* Cor. + *2* Depth *39*Shot or lead *25 lbs.*Bottom *R C + S*

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air *57* Surface *55* Drift.

Trawl or dredge or tangles —

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

*P.W.**2-11-0**2-12-0*

0

100

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	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
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300				
400				
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900				
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REMARKS.

No.

2183 Ryd

Date

March 24/90

Tanner.

Machine. — Reel.

Turns

41

Cor. +

2

Depth

43

Shot or lead

25 lbs.

Bottom

yl, S.

Bottom temperature

No. of Thermometer

Cor. —

Corrected temperature

Air

57

Surface

55

Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

P. W.

2-21-30

2-22-40

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2400

Point Reyes bore E. 71. E. 1/8 E.

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	2800	
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SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
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REMARKS.

No.

2184 Hy? Date March 24/90

Tanner

Machine. — Reel.

Turns 63 Cor. + 2 Depth 65

Shot or lead 25 lbs.

Bottom R + G S.

Bottom temperature

No. of Thermometer

Cor. —

Corrected temperature

Air 57 Surface 55 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

P. 110

7-35-0 2-37-0

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SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
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REMARKS.

No. 2185 Hyd Date March 24/90

Machine. — Reel.

Turns 225 Cor. + 6 Depth 231

Shot or lead 25 lbs.

Bottom M

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air 57 Surface 55 Drift.

Trawl or dredge or tangles —

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

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TURNS.

DREDGE ROPE.

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TURNS.

DREDGE ROPE.

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	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
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700				
800				
900				
1000				

REMARKS.

No. *2186 Hyd* Date *March 24/90*

Tanner Machine. — Reel.

Turns *35* Cor. + *1* Depth *36*

Shot or lead *25 lbs.*

Bottom *R & C.*

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air *54* Surface *55* Drift.

Trawl or dredge or tangles —

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

Q.W.
3-09-0

3-10-0

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

*At 5-57-0 P.M. over 13 fms. down over ship's side.
at old position Dec 3168.*

	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				
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1000				

REMARKS.

No. 2187 Hyd. Date *March 24th 1890.*

Tanner Machine. — Reel.

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

Shot or lead *25 lbs.*

Bottom *Rky.*

Bottom temperature

No. of Thermometer

Cor.

Corrected temperature

Air *52°* Surface *55°* Drift.

Trawl or dredge or tangles

P.M. SOUNDING WIRE.

DOWN.

UP.

4. 42. 10 *43. 25*
42. 35 *4. 42. 45*

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

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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. 2188 Hyd Date Mar 24th 1890

Tanner Machine. — Reel. —

Turns 78 Cor. + 3 Depth 81 fms

Shot or lead 25 lb

Bottom S.

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air 52 Surface 52 Drift.

Trawl or dredge or tangles —

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

5 01-30

03-30

0

02-15

5-02-20

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				
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300				
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600				
700				
800				
900				
1000				

REMARKS.

507
No. 2189 Key Date Mar 24 90

Tanner Machine. — Reel. —

Turns 175 Cor. + 5 Depth 180 fms

Shot or lead 25 lbs

Bottom fine gy. s blk sp

Bottom temperature —

No. of Thermometer —

Cor. —

Corrected temperature —

Air 62 Surface 52 Drift.

Trawl or dredge or tangles —

P.M.
SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

5-2130

25.45

0

22.30

24.10

100

23-15

5-23-20

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.

14.02
507

No. 2190 Hyd. Date Moh. 24th 1890.
 Sigbee Machine #2 Reel.
 Turns 243 Cor. + 26 Depth 269 fms.
 Shot or lead 38 lbs.
 Bottom gn. M.
 Bottom temperature 42.6°
 No. of Thermometer 63912 Cor. - 0.1°
 Corrected temperature 42.5°
 Air 51° Surface 52° Drift.
 Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
6.09.10	16.50	0		
10.26	15.45	100		
11.45	14.30	200		
12.25	6.14.00	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				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

N.C.3.
807

No. 2191 Hyd. Date Mch. 24th 1890.

Sigsbee Machine. #2 Reel.

Turns 225 Cor. + 21 Depth 246 fms.

Shot or lead 38 lbs.

Bottom gn. M.

Bottom temperature 43°

No. of Thermometer 63912 Cor. - 0.1°

Corrected temperature 42.9°

Air 51° Surface 52° Drift.

Trawl or dredge or tangles

P.M.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

7.02.30	10.00
04.15	08.55
05.40	07.35
06.00	7.07.15

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

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

SERIAL TEMPERATURE.

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

REMARKS.

No. 2192 Hyd. Date Mch. 24th 1891.

Sigsbee Machine. #2 Reel.

Turns 170 Cor. + 16 Depth 186 fms.

Shot or lead 38 lbs.

Bottom M.

Bottom temperature 45°

No. of Thermometer 63912 Cor. - 0.1°

Corrected temperature 44.9°

Air 51° Surface 52° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

7.53.00

59.10

54.20

58.05

55.30

7.56.45

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. 2193 *Key* Date *Mar 24 90*
Sigsbee Machine. *2* Reel.

Turns *122* Cor. + *12* Depth *134 fms*

~~Shot or lead~~ *38 lbs*

Bottom *M*

Bottom temperature *48°*

No. of Thermometer *63912* Cor. *-0.1°*

Corrected temperature *47.9°*

Air *50°* Surface *52°* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

PM
*8.40.40**47.50*

0

*42.10**46.00*

100

*42.00**45.10*

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.

No. 2194 Key Date Mar 24 90

Sigsbee Machine #2 Reel.

Turns 111 Cor. + 10 Depth 121 fms

Shot or lead 38-lbs

Bottom M

Bottom temperature 47.2

No. of Thermometer 63912 Cor. -0.1°

Corrected temperature 47.1°

Air 50 Surface 52 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

9.32.30

39.00

0

33.35

37.30

100

33.45

9.37.15

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.

No. 2195 *leg* Date Mar 24 90

Tanner Machine. Reel.

Turns 85 Cor. + 3 Depth 88

Shot or lead 25 lbs

Bottom M

Bottom temperature 46.8

No. of Thermometer 63912 Cor. -0.1°

Corrected temperature 46.7°

Air 50 Surface 52 Drift.

Trawl or dredge or tangles —

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

10.21-15 24.50

10.22-15 10.23.20

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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

SERIAL TEMPERATURE.

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

REMARKS.

507

No. 21964 Date Mar 24 90

Machine. — Reel.

Turns 75 Cor. + 3 Depth 78 fm

Shot or lead 25-lb

Bottom m

Bottom temperature Did not heat

No. of Thermometer 69912 Cor. —

Corrected temperature —

Air 57 Surface 52 Drift.

Trawl or dredge or tangles

PTN

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

11.04.20 08.20

05.15 11.06.05

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

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

SERIAL TEMPERATURE.

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

REMARKS.

507
JEB

No. 2197 by Date Mar 24 9

Tanner Machine. — Reel.

Turns 64 Cor. + 2 Depth 66 fms.

Shot or lead 25 lb

Bottom m

Bottom temperature 47.5°

No. of Thermometer 63912 Cor. -0.1°

Corrected temperature 47.4°

Air 50 Surface 52 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

11.48.20

51.00

0

48.50

11.49.00

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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

SERIAL TEMPERATURE.

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

REMARKS.

No. 2198144^d Date March 25/90

Tanner Machine. — Reel.

Turns 56 Cor. + 2 Depth 58

Shot or lead 25 lbs

Bottom gn m

Bottom temperature 48

No. of Thermometer 63912 Cor. -0.1°

Corrected temperature 47.9°

Air 50 Surface 52 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

12-32-0

12-38-30

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

Point Arena Light Bore N. N. W. 1/4 W. (Mag)
 distant 9 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.

No. *2199* Date *March 25/90*
Tanner Machine. — Reel.

Turns *49* Cor. + *2* Depth *51*

Shot or lead *25 lbs.*

Bottom *Rky*

Bottom temperature *48*

No. of Thermometer *63912* Cor. *-0.10*

Corrected temperature *47.9°*

Air *49* Surface *52* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

1-17-0

1-18-30

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

*Point Arena Light tower N. 1/4 W. (Mag)
 distant 4 1/2 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.

No. 2200 Hy Date March 25/90.

Tanner Machine. — Reel.

Turns 53 Cor. + 2 Depth 55

Shot or lead 25 lbs.

Bottom Bk S.

Bottom temperature 49

No. of Thermometer 631912 Cor. - 0.1°

Corrected temperature 48.9°

Air 49 Surface 52 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

1-57-30 1-59-30

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

Point Arena Light bore E. N. E. 5/16 E. (May)
distant 3 1/4 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.

No. 220174 Date March 25/90

Machine. 2 Reel.

Turns 61 Cor. + 6 Depth 67

Shot or lead 35 lbs

Bottom Bk S.

Bottom temperature 48

No. of Thermometer 63912 Cor. -0.1°

Corrected temperature 47.9°

Air 49 Surface 51 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

2-29-0

34-0

0

30-30

4-30-0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Point Llena Light bore N.E. x E. 44 E. (7 mag) -
 distant 6 1/10 miles.

5-6-90
 225
 224
 6

	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.

2202 Hy

Date

March 25/90

Sigsbee

Machine. #2 Reel.

Turns 172 Cor. + 17

Depth 189

Shot or lead 38 lbs

Bottom br m

Bottom temperature 45

No. of Thermometer 63912 Cor. -0.1°

Corrected temperature 44.9°

Air 49° Surface 51° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

3- 18-0 27-0
 21-0 24-0
 22-0 3-22-30

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

Point Loma Light bore N.E. 3/4 E. (Mag)
 distant 11 miles.

4600

172

4428

200

218

17

	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.C. 9.
507

No. 2203 Hqd Date Mch. 25th 1890.

Sigsbee Machine. #2 Reel.

Turns 445 Cor. + 41 Depth 486 fms.

Shot or lead 38 lbs.

Bottom M.

Bottom temperature 39.6°

No. of Thermometer 63912 Cor. - 0.1°

Corrected temperature 39.5°

Air 49° Surface 50° Drift.

Trawl or dredge or tangles

H.M.

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

4. 21. 55

36. 00

0

23. 50

34. 35

100

25. 10

33. 00

200

26. 25

31. 25

300

27. 30

30. 00

400

28. 10

4. 29. 30

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.

H.C.S.
507

No. 2204 Hyd. Date *Mch. 25* 1890.

Sigsbee Machine. *x2* Reel.

Turns *83* Cor. + *8* Depth *91 fms.*

Shot or lead *38 lbs.*

Bottom *fk. s.*

Bottom temperature *47.4°*

No. of Thermometer *63912* Cor. *-0.1°*

Corrected temperature *47.3°*

Air *49°* Surface *51°* Drift.

Trawl or dredge or tangles

A.M.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>4-58.50</i>	<i>03.30</i>	0		
<i>59.30</i>	<i>5.00.00</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.

HC 2.
507

No. 2205 Hyd Date Moh. 25th 1890.

Tanner Machine. — Reel.

Turns 67 Cor. + 2 Depth 69 fms.

Shot or lead 25 lbs.

Bottom M.

Bottom temperature 49.5°

No. of Thermometer 63912 Cor. - 0.1°

Corrected temperature 49.4°

Air 49° Surface 51° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5.27.45	29.55	0		
28.25	5.28.50	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. 2206 Hyd. Date Mch. 25th 1890.
 Tanner Machine. — Reel.

Turns 47 Cor. + 2 Depth 49 fms.

Shot or lead 25 lbs.

Bottom Rd. M.

Bottom temperature did not upset.

No. of Thermometer 63912 Cor. —

Corrected temperature

Air 49° Surface 50° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5.51.50	53.55	0		
52.20	5.52.30	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. 2207 Hyd. Date Mch. 25th 1891.

Tanner Machine. — Reel.

Turns 53 Cor. + 2 Depth 55 fms.

Shot or lead 25 lbs.

Bottom R. & gn. M.

Bottom temperature 48.4°

No. of Thermometer 63912 Cor. -0.1°

Corrected temperature 48.3°

Air 50° Surface 51° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
6.40.50	42.35	0		
41.20	6.41.30	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. 2208 Hyd. Date Mch. 25th 1890.

Tanner Machine. — Reel.

Turns 67 Cor. + 2 Depth 69 fms.

Shot or lead 25 lbs.

Bottom gn. M. & Sh.

Bottom temperature 47.2°

No. of Thermometer 63912 Cor. -0.1°

Corrected temperature 47.1°

Air 50° Surface 51° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7.05.05	08.00	0		
05.45	7.06.00	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.

H.C. 3.
307

No. 2209 Hyd. Date *Mch. 25th 1890.*

Tanner Machine. — Reel.

Turns *87* Cor. + *3* Depth *90 fms.*

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

Bottom *bk. S.*

Bottom temperature *46.8°*

No. of Thermometer *63912* Cor. *-0.1°*

Corrected temperature *46.7°*

Air *50°* Surface *51°* Drift.

Trawl or dredge or tangles

<i>A.M.</i> SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>7.34.15</i>	<i>36.45</i>	0		
<i>35.15</i>	<i>7.35.25</i>	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	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. 2210 Hyd. Date Mch. 25th 1896.

Sigsbee Machine. #2 Reel.

Turns 131 Cor. + 12 Depth 143 fms.

Shot or lead 38 lbs.

Bottom M.

Bottom temperature 45.5°

No. of Thermometer 63912 Cor. - 0.1°

Corrected temperature 45.4°

Air 50° Surface 51° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7.49.15	54.50	0		
50.45	53.20	100		
51.10	7.52.35	200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

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

REMARKS.

No. 2211 Hyd Date Mar 20 1890

Sigsbee Machine. #2 Reel.

Turns 229 Cor. + 20 Depth 249 fms

~~Shot or lead~~ 38 lb

Bottom M

Bottom temperature 43°

No. of Thermometer 63912 Cor. - 0.1°

Corrected temperature 42.9°

Air 50° Surface 51° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

8 09.04 16.15

0

10.55 15.11

100

12. - 14.10

200

12.15 8.14.00

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				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

JEP

No. 2212 Key Date Mar 25th 90.

Sigsbee Machine. *2 Reel.

Turns 138 Cor. + 12 Depth 150 fms.

Shot or lead 38 lb

Bottom bk S.

Bottom temperature Not Known

No. of Thermometer 63912 Cor. —

Corrected temperature —

Air 51° Surface 51° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9. 15. 50	20 55	0		
17 05	19 53	100		
17. 30	9 19 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				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

1897

No. 2213 Date Mar 25 90
 Tanner Machine. - Reel.

Turns 100 Cor. + 3 Depth 103

Shot or lead 25 lb

Bottom bk s

Bottom temperature 46.7°

No. of Thermometer 6391 Cor. - 0.1°

Corrected temperature 46.6°

Air 50° Surface 51° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9 46 05	48.35	0		
47 05	9 47.15	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	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. 2214 Hy Date March 28/90

Tanner Machine. Reel.

Turns 56 Cor. + 2 Depth 58

Shot or lead 35 lbs.

Bottom gn cl

Bottom temperature

No. of Thermometer 63904 Cor. —

Corrected temperature

Air 48 Surface 51 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

5.420

5.450

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. 2215 Hy Date March 28/90

Machine. — Reel.

Turns 79 Cor. + 3 Depth 82

Shot or lead 35 lbs.

Bottom gn. m.

Bottom temperature —

No. of Thermometer 63904 Cor. —

Corrected temperature —

Air 48 Surface 50 Drift.

Trawl or dredge or tangles —

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

6-33-0

6-34-50

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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

SERIAL TEMPERATURE.

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

REMARKS.

No. 2216 Hy Date March 28/90

Machine. — Reel.

Turns 124 Cor. + 4 Depth 128

Shot or lead 25 lbs.

Bottom bk S.

Bottom temperature 46

No. of Thermometer 63904 Cor. —

Corrected temperature 46

Air 49 Surface 50 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

7-14-30 20-40

16-0 17-30

16-45 7-17-0

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

	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. 5217 174 Date March 28/90

Machine. — Reel.

Turns 307 Cor. + 7 Depth 314

Shot or lead 25 lbs.

Bottom 4 — gm. dv

Bottom temperature 41.6

No. of Thermometer 63904 Cor. —

Corrected temperature 41.6°

Air 49 Surface 50 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

7-38-30

44-30

0

39-30

47-0

100

40-30

45-0

200

42-0

7-43-0

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.

No. 2218 Hyd. Date Mch. 28th 1890.

Sigsbee Machine. #2 Reel.

Turns 249 Cor. + 23 Depth 273 fms.

Shot or lead 38 lbs.

Bottom gm. M.

Bottom temperature 43°

No. of Thermometer 63904 Cor. —

Corrected temperature 43°

Air 51° Surface 51° Drift.

Trawl or dredge or tangles

A.M. SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

8.37.05

47.05

0

39.05

46.00

100

40.05

44.40

200

40.35

8.43.45

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. 2219 Hyd. Date Mch. 28th 1890.
Sigsbee Machine. * 2 Reel.
Turns 103 Cor. + 10 Depth 113 fms.
Shot or lead 38 lbs.
Bottom bk. s.
Bottom temperature 46.2°
No. of Thermometer 63904 Cor. —
Corrected temperature 46.2°
Air 51° Surface 51° Drift.
Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9.05.55	10.05	0		
07.50	9.08.40	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	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. 2220 Hyd. Date Mch. 28 1890.

Tanner Machine. — Reel.

Turns 79 Cor. + 3 Depth 82 fms.

Shot or lead 18 lbs.

Bottom gy. S.

Bottom temperature 48.4°

No. of Thermometer 63904 Cor. —

Corrected temperature 48.4°

Air 51° Surface 51° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9.49.10	52.00	0		
50.25	9.50.30	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. 2221 Hyd. Date Mch. 28th 1890.

Tanner Machine. — Reel.

Turns 65 Cor. + 2 Depth 67 fms.

Shot or lead 18 lbs.

Bottom br. M.

Bottom temperature 47.5°

No. of Thermometer 63904 Cor. —

Corrected temperature 47.5°

Air 51° Surface 51° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

10.25.00

27.15

0

26.00

10.26.20

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.

N.C.
507

No. 2222 Hyd. Date Mch. 28th 1890.

Tanner Machine. — Reel.

Turns 58 Cor. + 2 Depth 60 fms.

Shot or lead 18 lbs.

Bottom br. M. & R.

Bottom temperature 48°

No. of Thermometer 63904 Cor. —

Corrected temperature 48°

Air 51° Surface 51° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.37.30	39.45	0		
38.20	10.38.30	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.

1507

No. 2223 Hyd. Date *Mch, 28th 1890.*

Tanner Machine. — Reel.

Turns *52* Cor. + *2* Depth *54 fms.*

Shot or lead *18 lbs.*

Bottom *fr. m.*

Bottom temperature *48.5°*

No. of Thermometer *63904* Cor. —

Corrected temperature *48.5°*

Air *52°* Surface *52°* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

11.17.35

19.35

0

18.20

11.18.30

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.

597
J 13

No. 2224 Hy Date Mar 28th 90
Garner Machine. — Reel.

Turns 71 Cor. + 3 Depth 74 fms

Shot or lead 18 lbs

Bottom bk s

Bottom temperature 48.50

No. of Thermometer 63904 Cor. —

Corrected temperature 48.5

Air 52 Surface 52 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11.47.30	49.45	0		
48.30	11 48.35	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.

JE 13
007

No. 2225-26 Date Mar 28th 90

Tanner Machine. — Reel.

Turns 104 Cor. + 3 Depth 107 fms

Shot or lead 18 lb

Bottom M.

Bottom temperature 47.5°

No. of Thermometer 63904 Cor. —

Corrected temperature 47.5°

Air 52 Surface 52 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
12.27.10	29.30	0		
28 10	28.17	100		
28 02	12 28 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.

No. 2226 by Date Mar 28th 90

Tanner Machine. — Reel.

Turns 236 Cor. + 6 Depth 242 fms

Shot or lead 18 lbs

Bottom m

Bottom temperature 42.8°

No. of Thermometer 60904 Cor. —

Corrected temperature 42.8°

Air 51 Surface 52 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

1.08.20

17.00

0

09.55

15.15

100

11.35

13.15

200

12.10

11-12.30

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. 222764 Date Mar. 28th 90

Sigsbee Machine. #2 Reel.

Turns Cor. + Depth 518 fms.

Shot or lead 38 lb

Bottom gn M

Bottom temperature 39.4°

No. of Thermometer 63904 Cor. -0.1°

Corrected temperature 39.3°

Air 52 Surface 52 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

2.02.26

16.15

0

03.45

15.30

100

05. —

14.45

200

06.58

14.02

300

08.15

12.15

400

09.20

2.11.30

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. 3169 *SV* Date Mar 28th 90

Sanner Machine. — Reel.

Turns 196 Cor. + 6 Depth 202

Shot or lead 18 lbs

Bottom M

Bottom temperature 44°

No. of Thermometer 63904 Cor. —

Corrected temperature 44°

Air 53 Surface 52 Drift. 1 m. N.E.

Trawl or dredge or tangles Large beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

2:56.30

05.10

0

3.41.10

11-0

57.

04.45

100

3.45.15

9-30

59.30

04.02

200

4.7.45

8-30

3 00.00

3.00.00

300

}

07-10

04.02

}

400

}

06-30

04.45

}

500

}

4-05-0

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.

Cracking.

No. 3170 Dr. Date March 28/90

Tanner Machine. Reel.

Turns 163 Cor. + 4 Depth 167

Shot or lead 36 lbs.

Bottom M

Bottom temperature

No. of Thermometer Cor.

Corrected temperature

Air 53 Surface 52 Drift. N.E. 1/2 N (mag)

Trawl or dredge or tangles Large Beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

4-14-0

19-0

0

4-17-0

5.00.45

15-0

17-0

100

21-30

17-0

16-0

4-16-30

200

24-0

54-30

300

27-0

50-0

400

30-0

4.48-0

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

1 1/4 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.

1 dz *G. ponderosa*
 1 " small Rock Lard *F. opus*
 1 " Rosy " "
 1 dz young " "
 1 bushel Red Sea urchins
 2 large Red *Holothurians*
 2 yls- worms.

No. 2228 Hyd. Date Mch. 28th 1890

Tanner Machine. — Reel.

Turns 120 Cor. + 4 Depth 124 fms.

Shot or lead 26 lbs.

Bottom gn. M.

Bottom temperature 45.6°

No. of Thermometer 63904 Cor. —

Corrected temperature 45.6°

Air 52° Surface 52° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

5.16.35 21.55

18.50 19.10

18.35 5.18.40

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.

1 dy. Below

No. 3171 Dr. Date March 25/90
 Tanner Machine. — Reel.

Turns 73 Cor. + 3 Depth 76

Shot or lead 36 lbs & 8 lbs.

Bottom Rky & S

Bottom temperature 48°

No. of Thermometer 63904 Cor. —

Corrected temperature 48°

Air 52° Surface 52° Drift. 1 mdy SE

Trawl or dredge or tangles Large Beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

6-0-0	6-2-0	0	6-1-45	6-32-00
		100	6-0	
		200	11-0	6-25-30
		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.

25 *Glyptocephalus*
 50 *Melospiza*
 5 *Skates*
 3 *Sharks*
 4 *Amia*
 15 *Other fishes*

5077

No. 3172 Dr. Date March 28/92

Tanner Machine. Reel.

Turns 60 Cor. + 2 Depth 62

Shot or lead 28 lbs. 78 lbs.

Bottom bk S

Bottom temperature 48

No. of Thermometer 63964 Cor. -

Corrected temperature 48°

Air 52 Surface 52 Drift. 1 m N by E.

Trawl or dredge or tangles Large Beam

SOUNDING WIRE.

DOWN.

UP.

TURN.

P.W. DREDGE ROPE.

DOWN.

UP.

P.W.	DOWN.	UP.	TURN.	P.W.	DOWN.	UP.
	6-56-0	6-54-0	0		7-0-0	26-0
			100		04-0	7-21-0
			120			
			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				

3. Skates

REMARKS.

1 bushel Flounders = 6 species,
 few Midshipmen (Perichthys)
 Star fish 3 species
 several species small shells
 some Aphrodis
 a large worm
 a few Shrimps

1507

No. 3173 Dr Date Mch. 28th 1890.

Tanner Machine. — Reel.

Turns 60 Cor. + 2 Depth 62 fms.

Shot or lead 26 lbs

Bottom M.

Bottom temperature 48.2°

No. of Thermometer 63904 Cor. —

Corrected temperature 48.2°

Air 51° Surface 52° Drift. S.E. x E. 1 m

Trawl or dredge or tangles Small beam & mud bag.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8.05.15	08.30	0	8.10.00	41.40
06.00	8.06.15	100	14.15	38.10
		160	17.00	8.36.15
		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.

1 bushel of blunders. mostly *G. zachvatkini*.
 others *Parophrys*. *Citharichthys*. *Atherinella*.
Nemistoma. 1 large skate. 10 *Milichipnus*.
 1 large *Anemone*. 1/2 doz. *Urechis*. 1/2 doz.
Zenopsis. 2 *Mullus*. 1 small
 Rock fish. New shrimp.

No. 3174 Dr Date *Mch. 28th 1890.*
Tanner Machine. — Reel.

Turns *63* Cor. + *2* Depth *65 fms.*

Shot or lead *26 lbs.*

Bottom *gn. M.*

Bottom temperature *49.5°*

No. of Thermometer *63904* Cor. —

Corrected temperature *49.5°*

Air *50°* Surface *53°* Drift. *S.E. x E. 1/2 m*

Trawl or dredge or tangles *large beam & mud bag.*

<i>P.M.</i> SOUNDING WIRE.		TURNS.	<i>P.M.</i> DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>9.10.45</i>	<i>13.30</i>	0	<i>9.14.00</i>	<i>56.50</i>
<i>11.25</i>	<i>9.11.40</i>	100	<i>17.00</i>	<i>52.55</i>
		200	<i>21.30</i>	<i>9.48.05</i>
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

1 tub Flounders - 5 sps. - G. zacharias -
 greatly predominating. Others were Parophrys
Citharichthys. Microstoma. $\frac{1}{2}$ doz. Rock
fish - 2 sps. - 1 large Skate. 1 Cultus Cod.
 1 doz. Basket fish. 1 small Whiting. 2 doz.
Mudskipper. 3 Gel points. Penatula.

No. 3175 Dr Date

Mar 29th 1890

Tanner Machine. Reel.

Turns 55 Cor. + 2

Depth 57 fms

Shot or lead 26 lb

Bottom br m

Bottom temperature —

No. of Thermometer —

Cor. —

Corrected temperature —

Air 49 Surface 49 Drift. SE x E 1/2 E

Trawl or dredge or tangles Large Beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

5-30 00

32 00

0

5-48 15

20 00

31-30

5-37 33

100

5-53 50

16 30

180

5-6.33

6.13 35

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
1.5	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.

A lot of flounders (same species as last haul). *Glyptocephalus* + *Hemistoma* predominating. 1 *Succula* shell 1 *Ganiolipis*. 3 star fish - same species. 2 species shrimp. 1 young Rock Cod. 1 Whiteing 2 species Eel fossils.

JEB
607

No. *3176 Dr* Date *Mar. 29th 91.*

Tanner Machine. Reel.

Turns *30* Cor. + *2* Depth *37 fms*

~~Shot or lead~~ *38 lb*

Bottom *gy S.*

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air *49* Surface *50* Drift. *SE x S 1/2 E*

Trawl or dredge or tangles *Large Beam*

Hm

SOUNDING WIRE.

DOWN.

UP.

TURNS.

Hm DREDGE ROPE.

DOWN.

UP.

7.08.20

09.30

0

7.09.30

35.30

08.45

7.08.47

100

14.33

7.31.09

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

1.0'

	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 sea urchins.

No. *31775²* Date *Mar. 29th 90.*

Tanner Machine. Reel. —

Turns *24* Cor. + *1* Depth *25 fms.*Shot or lead *38 lb*Bottom *Crs. S & G*

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air *49* Surface *50* Drift. —Trawl or dredge or tangles *Small Bean*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

*7 50.00**50.50**0**7 52.30**6.0**50.15**7 50.20**25*
~~*100*~~*56.20**8.20*

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.

a few flounders

No.

3178 Dr

Date

Mar. 29. 90

Tanner Machine.

Reel.

Turns 31 Cor. + 1

Depth 32 fm

Shot or lead 31 lb

Bottom S + G

Bottom temperature 49.0

No. of Thermometer 63904 Cor. -

Corrected temperature 49.0

Air 49 Surface 50 Drift. 1 m E. S.

Trawl or dredge or tangles Large Beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

8.42.45 44.15

0

8.45.00 11.30

43.10 8.43.11

75

48.50 9-09-0

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.

100 *Flounders* 5 species
 1 dz. Large Crabs.
 1 Herring.
 1/2 dz. Anchovies.
 1/2 " Tom Cods.
 3 Starfish
 1 small Rock Crab.

5072
441

No. *3179* *Dr.* Date *March 29/90.*

Tanner. Machine. Reel.

Turns *29* Cor. + *1* Depth *30*

Shot or lead *45 + 8 lb.*

Bottom *fine gy S.*

Bottom temperature *50°*

No. of Thermometer *68904* Cor. *-*

Corrected temperature *50°*

Air *50* Surface *53* Drift. *1 m Ex S.*

Trawl or dredge or tangles *Large Beam*

SOUNDING WIRE.

New DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>9-49.30</i>	<i>9-50-30</i>	0	<i>9-52-0</i>	<i>15-0</i>
		90		
		100	<i>55-0</i>	<i>10-11-30</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.

1 *Psettichthys melanostictus*.
 2 *Pleuronichthys decurrens*
 2 *Glyptocephalus*
 2 doz. *Parophrurus reticulatus*
 " " *Citharichthys*
 1 larva
 2 sculpins - few small shells

Flounders

No. 3180. Dr. Date March 29/90.

Tanner Machine. Reel.

Turns 23 Cor. + 1 Depth 24.

Shot or lead 35 lbs. + 8 lbs.

Bottom fine gy. S.

Bottom temperature 50.2

No. of Thermometer 63904 Cor. -

Corrected temperature 50.7°

Air 53 Surface 53 Drift. 1 1/2 m ESE

Trawl or dredge or tangles Large Beam, and

SOUNDING WIRE.

DOWN.

UP.

10-52-0 10-13-0

TURNS.

DREDGE ROPE.

DOWN.

UP.

10-53-0 75-0

100 12-06-0 11-22-0

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	
mud bag.	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.

50 Anchoa
 1 small
 3 Tom Cod
 20 Flounder 3 species.
 3 Rockcod
 1/2 doz Perch

W.P. *H.C.S.*

No. *3181* Dr. Date *March 29/90.*

Tanner Machine. — Reel.

Turns *15* Cor. + *1* Depth *16*

Shot or lead *25 lbs & 8 lbs*

Bottom *fine gy. S.*

Bottom temperature *51*

No. of Thermometer *68902* Cor. —

Corrected temperature *51°*

Air *53* Surface *53* Drift. *1 E x S*

Trawl or dredge or tangles *Large Beam*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>11-44-0</i>	<i>11-45-0</i>	<i>0</i>	<i>11-45-30</i>	<i>05.15</i>
		<i>60</i>	<i>48-0</i>	<i>12.02.00</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.

4 Blounders. 2 sps - 1 doz. small Bonadors
2 Tom cod. 2 doz. Anchovies.
4 small Smelts 1 Skate. New shrimp
1 Rock fish.

507

No. 3182 DE Date Mch. 29th 1890.

Tanner Machine. - Reel.

Turns 11 Cor. + - Depth 11 fms.

Shot or lead 26 lbs.

Bottom fine gy. S.

Bottom temperature 52.2°.

No. of Thermometer 63904 Cor. -

Corrected temperature 52.2°

Air 55° Surface 54° Drift. ~~~

Trawl or dredge or tangles large beam.

SOUNDING WIRE.

DOWN.

UP.

P.M. TURNS.

P.M. DREDGE ROPE.

DOWN.

UP.

12.26.50	27.30	0	12.29.00	46.05
27.05	12.27.10	100	31.50	12.43.10
		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.

14 Roscader.
3 doz. Blounders.
1 Peck Shrimps.
6 Skates (Small).
Few Anchovies.

507
E 13

No. 2229 Key Date Apr 2^d 1890.

Sigsbee Machine. #2 Reel.

Turns 190 Cor. + 18 Depth 208 fms

Shot or lead 38 lbs.

Bottom gn. m.

Bottom temperature 43.6°

No. of Thermometer 63904 Cor. —

Corrected temperature 43.6°

Air 51.0 Surface 52.0 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11.45.30	56.15	0		
46.58	55.08	100		
48.05	11.49.30	190		
		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. *2230* *Hy* Date *Wed April 3/90**Sigsbee* Machine. Reel. *2*Turns *845* Cor. + *76* Depth *921*Shot or lead *38 lbs.*Bottom *Br. M*Bottom temperature *37*No. of Thermometer *63904* Cor. *-0.1°*Corrected temperature *36.9°*Air *51* Surface *52* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

72-45-0 *1-23-0* *0**46-30* *20-30* *100**47-0* *18-30* *200**48-0* *15-30* *300**49-0* *9-0* *400**50-0* *5-0* *500**51-30* *2-30* *600**53-0* *1-00-0* *700**55-0* *58-30* *800**56-0* *12-56-30* *900**45*
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.

4644

5704

No. 2231 Tky Date April 3/90.

Machine. Reel. #2

Turns 789 Cor. + 71 Depth 860

Shot or lead 38 lb.

Bottom br. m.

Bottom temperature 37.1

No. of Thermometer 63904 Cor. - 0.1°

Corrected temperature 37.0

Air 51 Surface 52 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

2-20-0

38-

0

21-0

37-

100

22-0

36-

200

23-0

35-

300

24-0

34-0

400

25-0

33-

500

26-0

32-

600

27-0

31-0

700

28-0

30-0

800

29-0

2-30-0

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.

207

No. 2232 Hy Date April 3/90

Sigsbee Machine. Reel. 2

Turns 569 Cor. + 51 Depth 620

Shot or lead 38 lb

Bottom br m

Bottom temperature 38.2

No. of Thermometer 6890.4 Cor. -0.1°

Corrected temperature 38.1°

Air 51 Surface 52 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

3-22-0

37-

0

33-0

35-0

100

24-0

33-30

200

25-0

32-30

300

26-0

31-30

400

27-0

3-30-0

500

67

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. 2233 Hyd. Date Apr 3rd 1890.
 Sigbee Machine. 2 Reel.

Turns 677 Cor. + 62 Depth 739 fms.

Shot or lead 38 lbs.

Bottom M.

Bottom temperature 38°

No. of Thermometer 63904 Cor. -0.1°

Corrected temperature 37.9°

Air 51° Surface 52° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4. 14. 30	32.10	0		
15. 40	31.15	100		
16. 50	30.30	200		
17. 55	29.40	300		
19. 00	28.50	400		
21. 05	27.55	500		
22. 15	27.00	600		
23. 05	4. 25. 30	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. 2234 Hyd. Date *Apr. 3^d 1890.*

Sigsbee Machine. #2 Reel.

Turns 880 Cor. + 78 Depth 958 fms.

Shot or lead 38 lbs.

Bottom *gn. M.*

Bottom temperature 37.5°

No. of Thermometer 63904 Cor. - 0.1°

Corrected temperature 37.4°

Air 51° Surface 52° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5.08.15	34.80	0		
09.50	33.10	100		
11.15	32.30	200		
12.30	31.35	300		
13.35	30.45	400		
14.45	29.50	500		
17.45	28.45	600		
19.55	27.35	700		
21.30	26.20	800		
22.45	5.25.00	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.O.S.
507

No. 2235 Hyd. Date April 3rd 1890.

Sigsbee Machine. #2 Reel.

Turns 527 Cor. + 48 Depth 575 fms.

Shot or lead 38 lbs.

Bottom gy. M.

Bottom temperature 39.1°

No. of Thermometer 63904 Cor. - 0.1°

Corrected temperature 39°

Air 51° Surface 52° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
6.06.15	19.50	0		
07.40	18.55	100		
08.55	18.10	200		
10.10	17.25	300		
11.30	16.35	400		
12.40	15.35	500		
13.10	6.15.00	600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

507

No. 2236 Hyd. Date Apr. 3rd 1890.

Ligette Machine. #2 Reel.

Turns 412 Cor. + 38 Depth 450 fms.

Shot or lead 38 lbs.

Bottom M.

Bottom temperature 40°

No. of Thermometer 63904 Cor. - 0.1°

Corrected temperature 39.9°

Air 51° Surface 52° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
6.36.45	47.15	0		
37.45	46.15	100		
38.45	45.20	200		
40.00	44.20	300		
41.20	43.10	400		
41.35	6.43.00	500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

No. 2237 Key Date *Apr. 3^d 1890.**Sigsbee* Machine. #2 Reel.

Turns 225 Cor. + 21 Depth 246 fms.

Shot or lead 38 lbs.

Bottom *gn. M.*

Bottom temperature 42.9°

No. of Thermometer 63904 Cor. —

Corrected temperature 42.9°

Air 51° Surface 52° Drift.

Trawl or dredge or tangles

<i>AM</i> SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7.04.45	10.50	0		
05.50	09.45	100		
06.45	08.40	200		
07.10	7.08.25	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. 3183 Date April 3. 1890

Tanner Machine. Reel.

Turns 157 Cor. + 5 Depth 162 fms

Shot or lead 26 lbs

Bottom gy. S + R.

Bottom temperature 44.5°

No. of Thermometer 63904 Cor. —

Corrected temperature 44.5°

Air 51° Surface 52° Drift. E.S.E. 1/4 m

Trawl or dredge or tangles small beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

7.40 30

45.03

0

7.52.00

09.15

41.30

43.25

100

56.20

06.20

42-00

8.42.10

200

8.00.00

03.00

250

8.01.10

8.02.30

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.

1/2 dz Prawns. 2 small Rock Cod
 1/2 dz Very Small Crabs. 1 Sculpin

No. 3184 *SV* Date April 3rd 1890

Tanner Machine. Reel.

Turns 74 Cor. + 3 Depth 77

Shot or lead 26 lbs

Bottom S. + G.

Bottom temperature 46.4°

No. of Thermometer 63904 Cor. —

Corrected temperature 46.4°

Air 52 Surface 51 Drift 2' S. E

Trawl or dredge or tangles Small Beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

33.55 36.25

34.30 8 34.32

0

100

180

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

8.33.10

8.35.00

37.00

11-0

07.15

9.04.30

	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.

1 small rock Cod
 2 Large Naked Mollusks
 1 Skate. a few small crabs
 4 shrimps. Cat fish, + Egg Case
 (Chimera)

No. 2238 Key Date April 3rd 1890
 Tanner Machine. — Reel.

Turns 57 Cor. + 2 Depth 59 fms

Shot or lead 26 lbs

Bottom fine gy S

Bottom temperature 46.9°

No. of Thermometer 63904 Cor. —

Corrected temperature 46.9°

Air 52 Surface 51 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

9.22 45

24 40

0

23 20

9 23 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

10 Buoys over port side at 9 25
 In at 9 41
 Catch 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.

JEB

No. *3185-Dr* Date *Apr. 3. 1890*

Tanner Machine. Reel.

Turns *39* Cor. + *2* Depth *41 fms*

~~Shot or lead~~ *26 lbs*

Bottom *Crs. S.*

Bottom temperature *48.4°*

No. of Thermometer *63904* Cor. —

Corrected temperature *48.4°*

Air *52°* Surface *51°* Drift. *1. S + 2*

~~Trawl or dredge or tangles~~ *Small beam*

AM

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>9.53.30</i>	<i>54.30</i>	0	<i>10.17.45</i>	<i>44 -</i>
<i>53.45</i>	<i>9.52.50</i>	100	<i>23.40</i>	<i>10.40.15</i>
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

5 Hand Lines over Port Side at 9.00
Small 10.11
Clock Wix

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

SERIAL TEMPERATURE.

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

REMARKS.

1/2 doz *Citharichthys stigmatus*, (harl.)
 1/2 doz flat fish ~~specimen~~
 2 doz small shrimp (immature kind)
 Some small shells
 1 doz large Worms
 1 Small Squid

No. *2239 Key* Date *April 3rd 1890**Tanner* Machine. Reel.Turns *60* Cor. + *2* Depth *62 fms*Shot or lead *26 lb*Bottom *crs s.*Bottom temperature *46.5°*No. of Thermometer *63904* Cor. —Corrected temperature *46.5°*Air *53* Surface *52* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

4m *11.58 45* *12.00.00**69.20* *11.09.25*

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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

SERIAL TEMPERATURE.

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

REMARKS.

507

No. *2240 Hy* Date *April 3/90*
Sigsbee Machine. Reel. *2*
 Turns *90* Cor. + *9* Depth *99*
 Shot or lead *38 lbs.*
 Bottom *G.*
 Bottom temperature *47.2*
 No. of Thermometer *63904* Cor. —
 Corrected temperature *47.2°*
 Air *53* Surface *52* Drift.
 Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>P.W.</i>				
<i>12-14-30</i>	<i>18-0</i>	0		
		90		
<i>15-30</i>	<i>13-16-0</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.

907

No. 3186 Date April 3/90

Sigsbee Machine. Reel. #2.

Turns 300 Cor. + 28 Depth 328

Shot or lead 38 lbs.

Bottom bk S. Y. m.

Bottom temperature 41.4

No. of Thermometer 63904 Cor. -0.1°

Corrected temperature 41.3°

Air 55° Surface 52° Drift. 1 m S E x E

Trawl or dredge or tangles Large Beam

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
17 45-30	55-30	0	12-57-30	9-0
46-30	54-0	100	1-3-0	6-0
48-0	52-30	200	6-0	2-2-0
49-30	51-30	300	8-30	58-0
		400	11-30	54-0
		500	15-0	51-0
		600	17-0	
		700	21-0	154-30
		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				

— Very fine Hanc —

REMARKS.

Fishes:
 1 *Carapodius*, 5 *Sebastolobus*, 2 black cod,
 2 species skates, 3 hag fish, 1 doz. deep sea
 sole (large), Several *Umbellula* polyps. 40 or more
 Starfish, like *Brisingia*, in good condition
 Several large deep sea prawns, few shells
 (peck of pink sea urchins, 1/2 doz large Crabs.

No. 3187-25 Date April 3, 1900

Sigsbee Machine. Reel. #2

Turns 265 Cor. + 33 Depth 298

Shot or lead 38 lbs.

Bottom Yl. m. r. S.

Bottom temperature 41.2

No. of Thermometer 63904 Cor. -0.1°

Corrected temperature 41.1°

Air 55° Surface 54° Drift. N.E. 1/2 N.

Trawl or dredge or tangles Large Beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

2-59-0	07-0	0	3-10-0	30-00
3-1-30	06-0	100	13-30	20-30
2-30	15-0	200	17-0	12-45
3-0	3-04-0	65 300	20-30	4 03-00
		400	24-0	58-0
		500	28-0	55-0
		600	31-30	3-52-0
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

Large No. Purple colored Holothurians
 Numerous small shells several species
 " Worms (several species) small star
 fish. Crabs + Prawns. 1 Peck Small Sea Ur-
 chins. 3 other spec. Urchins, a few. Numerous
 Anemones. 4 Calappa. 1 Deep sea sole
 (Sebastodes). 1 Sebastilobus

No. 31885^{1/2} Date April 3. 1890

Machine. Reel.

Turns 280 Cor. + 36 Depth 316 fm

Shot or lead 38 lbs

Bottom gn. M

Bottom temperature 45°

No. of Thermometer 63904 Cor. —

Corrected temperature 45°

Air 54 Surface 54 Drift. E. S. E.

Trawl or dredge or tangles Range beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

5.43.30	50.5	0	5.55.00	30.25
44.00	49.20	100	5.59.53	27.10
45.15	48.30	200	6.03.45	24.57
46.15	47.10	300	06.00	20.20
		400	10.20	15.20
		500	14.05	11.30
		600	18.00	8.30
		650	20.45	7.03.45
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

1 Doz Hoag fish (myxine). Horn tubes + a few worms. 2 species of prawns
 1 Sternoptyx, 6 Sebastolobus, few small urchins. Few shells with hermit crabs.
 2 large crabs. 3 species more deep sea fishes.
 3 star fishes

507

No. 2241 Hyd. Date Apr. 3^d 1890.

Signature Machine. #2 Reel.

Turns 390 Cor. + 36 Depth 426 fms.

Shot or lead 38 lbs.

Bottom Gr. M.

Bottom temperature 40.2°

No. of Thermometer 63904 Cor. -0.1°

Corrected temperature 40.1°

Air 53° Surface 53° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

8.14.35 25.00
15.50 24.10
17.15 23.25
18.30 22.35
19.55 21.40

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				235
200		4609		199
300		390		36
400		4219		
500				
600				
700				
800				
900				
1000				

REMARKS.

N. 2.
507

No. 2242 Hyd. Date *Apr. 3^d 1890.*

Sigsbee Machine #2 Reel.

Turns 390 Cor. + 36 Depth 426 fms.

Shot or lead 38 lbs

Bottom *br. M.*

Bottom temperature 40.2°

No. of Thermometer 63904 Cor. - 0.1°

Corrected temperature 40.1°

Air 52° Surface 53° Drift.

Trawl or dredge or tangles

<i>p.m.</i> SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9.06.15	16.20	0		
07.40	15.25	100		
09.00	14.30	200		
10.30	13.30	300		
11.15	9.12.15	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.

140.31
507

No. 2243 Hyd. Date *Apl. 3^d 1890.*

Sigsbee Machine. #2 Reel.

Turns *313* Cor. + *29* Depth *342 fms.*

Shot or lead *38 lbs.*

Bottom *Gr. M.*

Bottom temperature *41.8°*

No. of Thermometer *63904* Cor. - *0.1°*

Corrected temperature *41.7°*

Air *57°* Surface *53°* Drift.

Trawl or dredge or tangles

<i>pm.</i> SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>9.59.00</i>	<i>09.40</i>	0		
<i>10.00.25</i>	<i>08.30</i>	100		
<i>02.10</i>	<i>07.30</i>	200		
<i>03.35</i>	<i>06.15</i>	300		
<i>03.45</i>	<i>10.06.00</i>	400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

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

REMARKS.

H.C. 507

No. 2244 Hyd. Date Apr. 3^d 1890.

Sigsbee Machine. #2 Reel.

Turns 220 Cor. + 20 Depth 240 fms.

Shot or lead 38 lbs.

Bottom fr. M.

Bottom temperature 43.5°

No. of Thermometer 63904 Cor. —

Corrected temperature 43.5°

Air 52° Surface 54° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11.31.20	42.00	0		
33.30	40.40	100		
36.00	39.10	200		
36.30	11.38.45	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.

318957

Date

Apr 4/90

Machine.

Sigsbee

Reel.

2

Turns

200

Cor. +

18

Depth

218

Shot or lead

38 lbs

Bottom

m.

Bottom temperature

43.2

No. of Thermometer

63904

Cor. —

Corrected temperature

43.2°

Air

53

Surface

54

Drift.

2 1/2 m S E

Trawl or dredge or tangles

Large Beam

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

5-10-0

53-0

0

5-35-0

28-0

15-0

21-30

100

38-0

25-0

18-0

5-18-0

200

41-0

21-30

300

45-0

17-30

400

48-30

13-30

500

51-30

10-00

600

5-55-0

6-7-0

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900	fms 800 Ponto Large Prawns			
1000	1 ^m Fine Careproctus + shells			

REMARKS.

1 Tub full Sea Urchins 2 species
 1 dz. red Holothurians
 2 dz. Rock Cod 4 species
 1 Blks. Cod
 1 dz. Filloides 2 species
 1 small H. gator fish

507

No. 5245 Date Apr. 4/90
 Machine. Reel. 2

Turns 248 Cor. + 28 Depth 271

Shot or lead 38 lbs.

Bottom gn. m.

Bottom temperature 42.5

No. of Thermometer 63904 Cor. -

Corrected temperature 42.5

Air 53 Surface 54 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
6-55-0	7-01-30	0		
56-0	7-0-30	100		
58-0	6-59-0	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.

607
 J.E.B.
 No. 3190 DT. Date Apr. 4/90
 Sigbee Machine. Reel. 2

Turns 48 Cor. + 4 Depth 52

Shot or lead 38 lbs

Bottom fine gy S.

Bottom temperature 49

No. of Thermometer 63904 Cor. -

Corrected temperature 49

Air 53 Surface 54 Drift. 1.5' S.E.

Trawl or dredge or tangles Large Beam

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7-39-0	7-41-0	0	7-44-0	18.20
		100	51-0	14.50
		200	12-0	8.12.45
		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 *Flounders* about 30
 3 Red Star fishes 3 Small Red Rock Fish
 40 *Mudskipper* (*Poecilthys*)

J.E.B.
507

No. 2246 day. Date Apr 4 90
Tanner Machine. — Reel.

Turns 140 Cor. + 4 Depth 144 fms

Shot or lead 26 lbs

Bottom gy. S

Bottom temperature 46.2

No. of Thermometer 63904 Cor. —

Corrected temperature 46.2°

Air 54 Surface 53 Drift.

Trawl or dredge or tangles

J.M.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

8 40 25

44.45

0

41.25

43.00

100

42.00

8. 42-02

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. 3191 *Dr* Date Apr. 4 1890

Sigsbee Machine. * 2 Reel.

Turns 192 Cor. + 19 Depth 211

Shot or lead 38 lbs

Bottom br. M.

Bottom temperature 44

No. of Thermometer 63904 Cor. —

Corrected temperature 44

Air 54 Surface 53 Drift. $6\frac{1}{2}$ S - 1.5

Trawl or dredge or tangles Large Beam

A.M. SOUNDING WIRE.

DOWN.

UP.

TURNS.

P.M. DREDGE ROPE.

DOWN.

UP.

8 58 00	02 40	0	9 06.20	07.40
58. 03	01.40	100	10.10	04.05
59. 58	9.00.40	200	13.45	10.00.45
		300	16.30	56.55
		400	20.15	53.15
		500	23.25	9 49.30
		600		26
		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 3 species. 3 Blk Cod. 1 Skate
 1 Cuttus Cod. 3 Ratfish 5 Eel pouts
 2 octopus 1 spiny crab. 1 sq. Rock fish
 2 species. 20 Red Starfish 50 small
spiral shells. 2 tusk shells sea urchins & open
 2 species shrimp 14 larger shells with Hermit crabs

EB
507

No. 2247 Date April 4 1890

Sigsbee Machine. #2 Reel.

Turns 180 Cor. + 18 Depth 198 fms

Shot or lead 38 lbs.

Bottom gn m

Bottom temperature 44.2°

No. of Thermometer 63904 Cor. -

Corrected temperature 44.2°

Air 55 Surface 52 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10 35 10	39.50	0		
36. 05	39.05	100		
37. 05	10 38 25	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. 3192 ⁵² Date April 4. 1890

Tanner Machine. Reel.

Turns 48 Cor. + 3 Depth 101 fms

Shot or lead 25-lbs

Bottom Hk S +

Bottom temperature 47.2°

No. of Thermometer 63904 Cor. —

Corrected temperature 47.2°

Air 53° Surface 52° Drift. NE x N - 0.75'

Trawl or dredge or tangles Large Beam

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10 59.50	03.10	0	11.03.50	44.15
11 00.05	11 00 10	100	07.55	40 10
		190	14.05	11.38 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.

(Pneichthys)
 148 Midskipper 2 Naked Mollusks
 Numerous Worms 4 Star fish
 3 Heterothurians

H. 507.

No. 2248 Hyd. Date April 5th 1890.

Tanner Machine. — Reel.

Turns 109 Cor. + 4 Depth 113 fms.

Shot or lead 25 lbs.

Bottom M

Bottom temperature —

No. of Thermometer 63904 Cor. —

Corrected temperature —

Air 51° Surface 51° Drift.

Trawl or dredge or tangles

Am SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

6.38.30

39.25

39.35

40.00

6.39.45

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.

Lost thermometer #63904. and
113 fms. wire. 1 W to. lead.

HO 3.
507

No. 2249 Hyd. Date April 5th 1890.

Sigsbee Machine. #2 Reel.

Turns 175 Cor. + 16 Depth 191 fms.

Shot or lead 38 lbs.

Bottom gn. M.

Bottom temperature 44°

No. of Thermometer 62369 Cor. -0.1°

Corrected temperature 43.9°

Air 50° Surface 51° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7.06.05	12.10	0		
07.40	11.15	100		
08.50	10.30	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
No. 3193
Sigbee

No. 3193 Date April 5th 1890.
Sigbee Machine. #2 Reel.

Turns 147 Cor. + 13 Depth 160 fms.

Shot or lead 35 lbs.

Bottom gn. M.

Bottom temperature 44.5°

No. of Thermometer 62369 Cor. - 0.1°

Corrected temperature 44.4°

Air 51 Surface 51 Drift, 7 m E. E

Trawl or dredge or tangles Large Beam

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7.58.00	02.55	0	8.05.00	49-30
59.15	01.20	100	08-12	46-0
59.45	8.00.50	200	11-0	43-0
		300	14-20	40-0
		400	15-00	8-38-0
		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				

Numerous small Corals with
worm tubes.

REMARKS.

8 Bat fish - 1 Rare *Pennatulid*
 5 Whiting - 2 species Sea urchins
 1 Hag fish - 1 small Skate
 6 ~~Atheresthes~~ *Flounders* (*Atheresthes stonias*)
 30 small Rock Cod 2 species
 1 Eupont - 2 species Shrimps
 Large Red *Heterothurians*

No. 3194 Dr. Date April 5/90.

Tanner Machine. Reel.

Turns 90 Cor. + 2 Depth 92

Shot or lead 25 lbs.

Bottom gy S

Bottom temperature 46

No. of Thermometer 62369 Cor. -0.1°

Corrected temperature 45.9°

Air 52° Surface 53° Drift. 1m S. East.

Trawl or dredge or tangles Large Beam

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

9-38-45	9-40-0	0	9-42-0	20-0
		100	47-0	16-0
		200	51-0	
		300		10-12-0
		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.

Large no. fine large Brachiodont shells
 several Octopus
 few Sepia

No. 2250 Hy Date

April 5/90

Sigsbee Machine. Reel. 2

Turns 134 Cor. + 12 Depth 146

Shot or lead 38 lbs.

Bottom gn. M.

Bottom temperature 45

No. of Thermometer 62639 Cor. -0.1°

Corrected temperature 44.9°

Air 53° Surface 52° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

A W

11-12-0 16-0 0

13-30 11-15-0 100

34

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.