

Nº 16.

Apl 5th 1890.

May 30th 1890.

Dr 3195 to 3227.

Hy^d-2251 to 2316.

4440 Sigbee

~~4609~~ Turns on reel 220

Correction Table No 2 Reel Cor. ~~400~~

Lev	Turns	Cor	Turns	Cor	Turns
0	50	31	1650	120	3200
0	100	33	1700	123	3200
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	220	4440
19	1300	95	2900		
21	1350	99	2950		
22	1400	102	3000		
24	1450	106	3050		
25	1500	109	3100		
27	1550	113	3150		
29	1600	116	3200		

Tanner

220
4446
3334 turns 334
189
410 408 turns 334 45

Turns 16 to 38 +1 42 to 72 +1
39 to 70 +2 73 to 94 +2
71 to 100 +3 95 to 157 +3
106 to 142 +4 158 to 195 +4
143 to 190 +5 196 to 357 +5
261 to 384 +7 358 to 408 +6

Abbreviations for Bottom

Abb.	Equivalent	Abb.	Equivalent
C	Clay	fine	fine
Cor.	Coral	hard	hard
G.	Gravel	large	large
Glob.	Globigerina	rocky	rocky
M.	Mud	soft	soft
Oz.	Ooze	small	small
P.	Pebbles	sticky	sticky
R.	Rocks	black	black
S.	Sand	brown	brown
Sh	Shells	blue	blue
Sp.	Specks	chocolate	chocolate
St	Stones	dark	dark
brk	Broken	red	red
gy	gray	slate	slate
lt	light	yellow	yellow
wh	white	green	green
co	coarse		

2105
1981
45
Wm

4519
494
4035
J. H. Watson

4509
808
3808

5607

No. 3195 *82* Date April 5 1890

Sigsbee Machine. *2* Reel.

Turns 232 Cor. + 20 Depth 252 fms

Shot or lead 38 lb.

Bottom gn m

Bottom temperature 43.30

No. of Thermometer 62369 Cor. -0.1°

Corrected temperature 43.20

Air 57 Surface 57 Drift. SE $\frac{1}{2}$ E 0.8'

Trawl or dredge or tangles Large beam

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>PM</i> 12 02.30	08.40	0	12 11.40	11-
03.30	07.55	100	16.30	07.25
04.25	07.15	200	20.15	04.15
04.45	12.07 00	300	24.10	01.02
		400	26.30	07.30
		500	27.35	04.02
		600*	30.45	12.47.00
		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 deep Sea Sole. 1 Long fin Sole
 1/2 doz Rock fish 6 Hag fish 1/2 doz Eel
 pout 5. 3 umbrella squids 1 buell of
 Sea urchins 1 species 3 sps shrimp
 1 Rock starfish Scaly Anemones
 1/2 doz Holothurians

563
No. 2251 Key Date April 5 1890

Sigsbee Machine. 2 Reel.

Turns 205 Cor. + 19 Depth 224 fms

Shot or lead 38 lbs

Bottom gn M

Bottom temperature 43.1°

No. of Thermometer 62369 Cor. -0.1°

Corrected temperature 43°

Air 56 Surface 54 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

1 54.05

59.15

0

55.00

58.30

100

56.00

57.42

200

56.01

1.57.40

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.

1400 deep sea sole 1 long fin sole

56B
607

No. 2252 Bay Date April 5 90
Tanner Machine. Reel.
 Turns 115 Cor. + 4 Depth 119 fms
 Shot or lead 25 lbs
 Bottom gn. m. + Rk
 Bottom temperature 45.1'
 No. of Thermometer 62369 Cor. -0.1°
 Corrected temperature 45°
 Air 56 Surface 54 Drift.
 Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2 27.45	32.30	0		
28.40	29.20	100		
28.45	28.50	200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

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

REMARKS.

No. 2253 Key Date April 5 1890
 Sigbee Machine. K2 Reel.

Turns 131 Cor. + 12 Depth 143 fm

Shot or lead 38 lbs

Bottom gn. M.

Bottom temperature 45.0

No. of Thermometer 62369 Cor. -0.1°

Corrected temperature 45.0

Air 55 Surface 50 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3.15 45	19.30	0		
16.45	18.55	100		
17.10	18.15	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.

3196 *Dr*

Date

April 5th 1890

Sigsbee

Machine.

Reel.

Turns 182 Cor. + 18

Depth 200 fms

Shot or lead 38 lbs

Bottom

gn. M

Bottom temperature

44.2°

No. of Thermometer 62369 Cor. -0.1°

Corrected temperature 44.1°

Air 54

Surface 54

Drift. E. 7.3 1/2 m

Trawl or dredge or tangles

Large Beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

3.36.45

01.50

0

4.07.15

57.15

58.00

01.10

100

10.10

53.45

59.55

4100.30

200

13.20

50.00

300

16.30

46.30

400

19.05

43.00

500

21.30

41.45

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				

25

50

100

200

300

400

500

600

700

800

900

1000

NO. OF THER.

COR.

COR. TEMP.

REMARKS.

Numerous Gil pouts. Several Octopus.

Numerous small shells - many species.

200 small Rock Fish.

1 bushy sea Urchins (2 sps).

1 dog. Skates (2 sps) - 1 deep sea shark, small.

Abundant of Worms.

No. 3197 Hyd. Date April 5th 1896.

Tanner Machine. — Reel.

Turns 74 Cor. + 3 Depth 77 fms.

Shot or lead 25 lbs.

Bottom gn. M.

Bottom temperature 48.5°

No. of Thermometer 62369 Cor. - 0.1°

Corrected temperature 48.4°

Air 54° Surface 53° Drift. 1.5 E 1/2 N

Trawl or dredge or tangles large beam.

P.M. SOUNDING WIRE.		TURNS.	P.M. DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5.34.10	36.35	0	5.40.50	16.00
34.50	5.35.00	100	44.20	12.15
		200	47.30	6.07.30
		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.

Fishes 1
 50 midshipman, 50 flounder - 4 sp,
 1 white g, 1 dog sk, cod - small,
 1 skate 2000 pouts, 3 squilla
 1 octopus, 3 large naked mollusks
 few shells (4 sp) - 1 squid. 1 dog shrimp

No. 2254 Hyd. Date *Apr. 5th 1895.**Sigsbee* Machine. *#2* Reel.Turns *167* Cor. + *15* Depth *182 fms.*Shot or lead *38 lbs.*Bottom *gn. M.*Bottom temperature *44.8°*No. of Thermometer *62369* Cor. *-0.1°*Corrected temperature *44.7°*Air *54°* Surface *53°* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>7.36.25</i>	<i>44.00</i>	0		
<i>39.00</i>	<i>42.50</i>	100		
<i>40.45</i>	<i>7.42.00</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.

5074
A.P.P.

No. *2255* Reel. *1* Date *Apr 5/90.*
Sigsbee Machine. Reel. *2*

Turns *130* Cor. + *12* Depth *142*

Shot or lead *38 lbs.*

Bottom *gn w*

Bottom temperature *46*

No. of Thermometer *62369* Cor. - *0.10*

Corrected temperature *45.90*

Air *54* Surface *53* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>P. w</i> <i>8-26-0</i>	<i>52-0</i>	0		
<i>28-0</i>	<i>50-50</i>	100		
<i>29-0</i>	<i>48-50-0</i>	200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

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

REMARKS.

No. *2256* Date *Aug. 5/90*
Sigsbee Machine. Reel. *#2*
 Turns *122* Cor. + *11* Depth *133*
 Shot or lead *38 lbs.*
 Bottom *gn. sh.*
 Bottom temperature *46.1*
 No. of Thermometer *62369* Cor. *-0.1°*
 Corrected temperature *46°*
 Air *57* Surface *57* Drift.
 Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>P. 9-11-0</i>	<i>16-0</i>	0		
<i>13-0</i>	<i>9-13-30</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. *2257/149* Date *Apr. 17 90**Vanner* Machine. Reel.Turns *60* Cor. + *2* Depth *62*Shot or lead *25 lbs.*Bottom *R. + M.*Bottom temperature *48*No. of Thermometer *62 869* Cor. *-0.1°*Corrected temperature *47.9°*Air *54* Surface *54* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

*9-55-0**9-59-0*

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. 2258 1/4. Date

Apr. 17 90.

Tanner

Machine.

Reel.

Turns 45 Cor. + 2 Depth 47

Shot or lead 25 lbs.

Bottom gn. sh. M.

Bottom temperature 49

No. of Thermometer 62369 Cor. -0.1°

Corrected temperature 48.9°

Air 54 Surface 54 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

10-22-0 10-23-30

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. 2259 Date 24 Apr 1890

Tanner Machine. Reel.

Turns 42 Cor. + 2 Depth 44

Shot or lead 25 lbs.

Bottom R. m.

Bottom temperature

No. of Thermometer 62369 Cor. -0.1°

Corrected temperature 49°

Air 57 Surface 57 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

11-19-0

11-21-0

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.

597

No. *22604* Date *Apr. 6/90*
Tanner Machine. Reel.

Turns *153* Cor. + *5* Depth *158*

Shot or lead *25*

Bottom _____

Bottom temperature *45.2*

No. of Thermometer *62369* Cor. *-0.1°*

Corrected temperature *45.6°*

Air *54* Surface *54* Drift.

Trawl or dredge or tangles _____

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>12-7-0</i>	<i>12-0</i>	0		
<i>8-0</i>	<i>16-0</i>	100		
<i>9-0</i>	<i>12-4-30</i>	<i>153</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.

Feb 507

No. 2261864 Date April 6 90

Sigsbee Machine. #2 Reel.

Turns 250. Cor. + 24 Depth 274 fms

Shot or lead 38 lb.

Bottom M. + S

Bottom temperature 42.4'

No. of Thermometer 62369 Cor. -0.1°

Corrected temperature 42.3'

Air 54 Surface 54 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
12 38 30	49.55	0		
40.30	48.45	100		
42 00	47.20	200		
43 55	12.46.25	250 300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

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

REMARKS.

813
507

No. 2262 Key Date April 6. 90

Sigsbee Machine. #2 Reel.

Turns 285 Cor. + 27 Depth 312 fms

Shot or lead 38#.

Bottom gn. M

Bottom temperature 42°

No. of Thermometer 62369 Cor. - 0.1°

Corrected temperature 41.9°

Air 54 Surface 56 Drift.

Trawl or dredge or tangles

AM

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

1. 35. 05	44.50	0
36. 30	43.30	100
37. 38	42.20	200
38. 40	1. 40.15	285 300
		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.

8813

No. 2263 Date April 6-1890

Sigsbee Machine. 2 Reel.

Turns 222 Cor. + 20 Depth 242 fm

Shot or lead 38 lbs.

Bottom gn. m.

Bottom temperature 42.3°

No. of Thermometer 62369 Cor. -0.1°

Corrected temperature 42.2°

Air 54 Surface 54 Drift.

Trawl or dredge or tangles

AM

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

2:17.45	24.05
18.45	23.05
19.45	21.00
20.15	20.45

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.

813
507

No. 2264 Date April 6. 1890

Tanner Machine. — Reel.

Turns 135 Cor. + 4 Depth 139 fms

Shot or lead 25 lb

Bottom M

Bottom temperature 46.5

No. of Thermometer 62069 Cor. - 0.1°

Corrected temperature 46.4°

Air 54 Surface 54 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2. 45.30	48.12	0		
46.25	47.40	100		
46.45	46.50	200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

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

REMARKS.

507 *813*

No. *2265* Key Date *Apr. 6. 1890*
Tanner Machine. Reel.

Turns *65* Cor. + *2* Depth *67 fms*

~~Shot or lead~~ *25 lbs*

Bottom *gn. M.*

Bottom temperature *48.1°*

No. of Thermometer *62369* Cor. *-0.1°*

Corrected temperature *48.0°*

Air *53* Surface *52* Drift.

~~Trawl or dredge or tangles~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>3.01.40</i>	<i>04.20</i>	0		
<i>02.45</i>	<i>3.03-</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.

July 10.

No. *2266* Date *April 6 90*
Tanner Machine. Reel.

Turns *57* Cor. + *2* Depth *53 fms*

Shot or lead *25-lb.*

Bottom *bk. S. M.*

Bottom temperature *48.8°*

No. of Thermometer *62369* Cor. *-0.1°*

Corrected temperature *48.7°*

Air *52* Surface *53* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

3.21 00 *22.30*

21 25 *3.21 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.

H.S.S.

No. 2267 Hyd. Date April 6th 1890.

Sigsbee Machine. #2. Reel.

Turns 160 Cor. + 14 Depth 174 fms.

Shot or lead 38 lbs.

Bottom gn. M.

Bottom temperature 46.1°

No. of Thermometer 62369 Cor. -0.1°

Corrected temperature 46°

Air 53 Surface 52 Drift.

Trawl or dredge or tangles

H.M. SOUNDING WIRE.

DOWN.

UP.

4.48.10

56.50

50.30

55.00

51.15

4.52.40

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. 3198 Date Apr. 6th 1890.

Sigsbee Machine. 12 Reel.

Turns 254 Cor. + 24 Depth 278 fms.

Shot or lead 38 lbs.

Bottom gn. M.

Bottom temperature 42.2°

No. of Thermometer 62369 Cor. - 0.1°

Corrected temperature 42.1°

Air 57 Surface 53 Drift. 2.6 ENE

Trawl or dredge or tangles large beam & mud bag.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

6.34.17	41.00	0	6.44.45	54.30
35.30	40.05	100	49.30	49.00
36.50	39.15	200	53.30	44.45
37.35	6.38.45	300	57.30	41.15
		400	7.01.30	31.00
		500	04.30	34.45
		600	09.00	7.31.30
		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	1 dy large (Ucyonarians)			
800	1 Deep Sea Pelinoides.			
900	A few Rock fish - (Sebastolobus)			
1000	1 small deep sea fish (Ucyonarius)			
	Several species of worm & shells			

REMARKS.

Bushel Star fish. 2 bush Sea medusae.
 Numerous long armed Ophiurans.
 A few large shells.
 Numerous small Ophiurans.
 " Holothurians.
 1/2 Ellipso. 5 species Shrimps -

No. *3199* Date *April 6/90.*
Digbee Machine. Reel. *2*

Turns *214* Cor. + *19* Depth *233*

Shot or lead *38 lbs.*

Bottom *gn. cov.*

Bottom temperature *44°*

No. of Thermometer *62369* Cor. *-0.1°*

Corrected temperature *43.9°*

Air *16°* Surface *52°* Drift. *1 1/2 m E 1/2 S*

Trawl or dredge or tangles *Large Beam*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>8.40</i>					
<i>9-8-30</i>	<i>14-0</i>	<i>0</i>	<i>9-16-0</i>	<i>20-30</i>	
<i>9-30</i>	<i>13-0</i>	<i>100</i>	<i>20-0</i>	<i>16-30</i>	
<i>10-45</i>	<i>9-12-0</i>	<i>200</i>	<i>24-0</i>	<i>13-30</i>	
		<i>300</i>	<i>27-30</i>	<i>10-30</i>	
		<i>400</i>	<i>30-30</i>	<i>7-30</i>	
		<i>500</i>	<i>33-30</i>	<i>3-30</i>	
		<i>600</i>	<i>35-0</i>	<i>10-1-0</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.

1 Ch (Sebastes)
 2 Sebastes
 2 Nk bod.
 6 Deep Sea Pinnacles
 3 Green Star fish (2 broken)
 rest of catch same as
 preceding.

No. *3200* Date *April 6/90*
Digbee Machine. Reel. *2*
 Turns *542* Cor. + *23* Depth *565*
 Shot or lead *35 lb*
 Bottom *gn. sh.*
 Bottom temperature *43.2*
 No. of Thermometer *62369* Cor. *-0.1°*
 Corrected temperature *43.1°*
 Air *56°* Surface *52°* Drift. *NE 1/4 (mag) 1'*
 Trawl or dredge or tangles *Large Bean*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>11-15-0</i>	<i>23-0</i>	0	<i>11-24-0</i>	<i>31-30</i>
<i>17-0</i>	<i>22-0</i>	100	<i>30-0</i>	<i>28-15</i>
<i>18-30</i>	<i>21-0</i>	200	<i>33-0</i>	<i>25-40</i>
<i>19-30</i>	<i>11-22-0</i>	<i>42</i> 300	<i>36-0</i>	<i>23-00</i>
		400	<i>39-30</i>	<i>17-30</i>
		500	<i>42-30</i>	<i>15-45</i>
		<i>50</i> 600	<i>44-30</i>	<i>13-30</i>
		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 deep sea sole 1 doz Red Fish (Hyalopteryx)
 5 small deep sea sharks 1 Bushel sea urchin
 5 species shrimps 1/2 doz sp. small shells
 Fishes: 1 Careproctus, 2 Myctophum
 Worms. long arm starfish
 1 Bushel deep sea starfish

No. 320152 Date April 6. 90.

Sigsbee Machine. 2 Reel.

Turns 256 Cor. + 24 Depth 280 fms.

Shot or lead 38 lb.

Bottom m. M.

Bottom temperature 43

No. of Thermometer 62369 Cor. - 0.1°

Corrected temperature 42.9°

Air 60 Surface 55 Drift. 2' N. E.

Trawl or dredge or tangles Large Beam

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2.28.40	35.50	0	2.37.40	38.15
30.00	34.45	100	40.05	36.12
31.00	33.40	200	41.02	33.10
31.45	2.33.05	300	46.05	30.30
		400	50.15	27.30
		500	53.45	24.30
		560	55.15	3.23.40
		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				

*Atheresthes*2 *Stenion flouider*

REMARKS. 1 Black Cod

6 Deep sea sole. 8 Red fish (*Sebastes*)

1/2 basket Deep Sea Star fish

40 gray *Holothurians* (2 species)1/2 shell *Ponto*. 1 fine *Pennatulid*A few long arm *Ophurians*3 species of Shrimps 1 *Urepania picta*1 Deep sea fish (*Myxolophium*) (*Stomias*)

813
507

No. 2268 ²⁶⁴/₇ Date April 9^d - 1890

Tanner Machine. Reel.

Turns 294 Cor. + 5 Depth 299 fms

Shot or lead 25 lbs

Bottom gn M + R.

Bottom temperature 41.7'

No. of Thermometer 62369 Cor. + 0.1°

Corrected temperature 41.8°

Air 67° Surface 61° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7.55.12		0		
56.03	-03.20	100		
57.45	8.00.40	200		
58.40	7.58.41	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. 2269 Hyd Date *Apr. 9th 1890.**Tanner* Machine. — Reel.Turns *340* Cor. + *6* Depth *346 fms.*Shot or lead *25 lbs.*Bottom *m*Bottom temperature *43.9°*No. of Thermometer *62369* Cor. *-0.1°*Corrected temperature *43.8°*Air *67°* Surface *61°* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

8.43.10 *57.45**44.00* *53.00**44.40* *49.20**45.30* *47.10**46.00* *8.46.30*

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	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. 2270 Hyd Date April 9th 1890.

Tanner Machine. Reel.

Turns 223 Cor. + 5 Depth 228 fms.

Shot or lead 25 lbs.

Bottom M. & S.

Bottom temperature 43.0°

No. of Thermometer 62369 Cor. -0.1°

Corrected temperature 42.9°

Air 63° Surface 56° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

9.41.35 46.40 0

41.20 45.10 100

42.15 43.50 200

42.30 9.43.00 300

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.

507

No. 2271 Hyd Date April 9th 1890.

Tanner Machine. - Reel.

Turns 350 Cor. + 6 Depth 356 fms.

Shot or lead 25 lbs.

Bottom M.

Bottom temperature 41.°

No. of Thermometer 62369 Cor. + 0.1°

Corrected temperature 41.1°

Air 61° Surface 54° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.17.15	28.10	0		
18.05	25.30	100		
18.55	23.50	200		
19.45	22.15	300		
20.30	10.21.00	400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

SERIAL TEMPERATURE.

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

REMARKS.

507
No. 2272 Hyd. Date April 9th 1890.

Tanner Machine. — Reel.

Turns 179 Cor. + 4 Depth 183 fms.

Shot or lead 25 lbs.

Bottom S. M.

Bottom temperature 44.8°

No. of Thermometer 62369 Cor. -0.1°

Corrected temperature 44.7°

Air 61° Surface 54° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

10.45.30

50.10

0

46.20

48.50

100

47.00

10.47.20

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.

No. 2273 Hyd. Date April 9th 1890.

Tanner Machine. — Reel.

Turns 98 Cor. + 3 Depth 101 fms.

Shot or lead 25 lbs.

Bottom fine gy. s.

Bottom temperature 46.8

No. of Thermometer 62369 Cor. - 0.1°

Corrected temperature 46.7°

Air 61° Surface 55° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

11.40.35

12.50

0

41.20

11.41.35

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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

SERIAL TEMPERATURE.

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

REMARKS.

No. 2274 Hy Date April 9/90

Tanner Machine. — Reel.

Turns 35 Cor. + 1 Depth 36

Shot or lead 25 lbs.

Bottom Rky.

Bottom temperature 49.4

No. of Thermometer 62369 Cor. -0.10

Corrected temperature 49.3°

Air 60 Surface 54 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

12-23-50 12-25-0

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. 2275 Key Date April 11th 1888

Sigbee Machine. * 2 Reel.

Turns 808 Cor. + 73 Depth 881 fms

~~Shot or lead~~ 38 lb

Bottom Rky.

Bottom temperature 136°

No. of Thermometer 62369 Cor. + 0.1°

Corrected temperature 38.1°

Air 55 Surface 55 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

A.M. UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

10. 29 45	47. 15	0		
31 07	46. 35	100		
32. 15	45. 45	200		
33. 20	44. 52	300		
34 20	44. 40	400		
34 40	43. 05	500		
35. 50	42. 10	600		
37. 07	41. 15	700		
39. 19	39. 40	800		
39. 21	10. 39. 25	808 900		
		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. 2276 Hy Date Apr 11. 1890

Sigsbee Machine. *2 Reel.

Turns 474 Cor. + 45- Depth 579 fms

Shot or lead 38 lbs

Bottom gn. M

Bottom temperature 39.2°

No. of Thermometer 62369 Cor. +0.1°

Corrected temperature 39.3°

Air 54 Surface 52 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

11. 26 35- 38. 00

27. 45- 36. 15

28. 40 35. 05

29. 41 34. 05

30. 45- 33. 15

31. 32 31. 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.

	2500	
	2600	
	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 deep water Red-
 3 sps. rare deep sea fish.
 1 pack Deep sea shells 2 sps. of the same
 2 sps. Deep sea sponge. 2 small star fish.

No. 2277 Hyd. Date April 11th 1890.

Tanner Machine. — Reel.

Turns 65 Cor. + 1 Depth 66 fms.

Shot or lead 25 lbs.

Bottom bk. S. & G.

Bottom temperature 47.8°

No. of Thermometer 62369 Cor. -0.1°

Corrected temperature 47.7°

Air 54° Surface 53° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2.24.40	27.00	0		
25.20	2.25.30	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. 3203 *JS* Date April 11th 1890.

Tanner Machine. Reel.

Turns 135 Cor. + 3 Depth 138 fms.

Shot or lead 25 lbs.

Bottom fr. M.

Bottom temperature 44.8°

No. of Thermometer 62369 Cor. -0.1°

Corrected temperature 44.7°

Air 55° Surface 54° Drift.

Trawl or dredge or tangles large beam. N + W - 0.2

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

2.57.20	3.01.30	0	3.01.30	59.50
58.15	59.10	100	05.45	
58.30	3.58.40	200	08.10	
		300	10.50	3.36.30
		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	Lashings came off net, and contents almost entirely lost.			
900				
1000				

REMARKS.

1 Deep sea Rock fish.
 1 Deep sea fish. (rare) -
 a few worms.

477 J.E.B

No. 3204 Dr. Date April 12th 1890
 Sigsbee Machine. Reel. 2

Turns 185 Cor. + 17 Depth 202

Shot or lead 38 lbs

Bottom bk. S.

Bottom temperature 44.2

No. of Thermometer 62369 Cor. -0.1°

Corrected temperature 44.1°

Air 48° Surface 55° Drift. N. 20° E. 1/5

Trawl or dredge or tangles Large Beam.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7-21-0	27-0	0	7-30-0	116.05
23-0	26-0	100	35-0	113.02
24-0	7-25-0	200	40-0	110.00
		300	45-0	108.15
		400	51-0	8-36.30
		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.

35 days sea sole. 20 long finned flounders
 1 *Eopsetta jordani* 1 large *Atheresthes*
tonicæ. 3 *Parophrys reticulatus*.
 3 species rock fish 10 specimens 1 *Sebastes*
colubris. 2 Bushy red sea urchins
 20 of Red Holothurians 3 Cal Ponti

JE B

No. *3205-DV* Date *April. 12 1890*

Sigsbee Machine. * *2* Reel.

Turns *220* Cor. + *20* Depth *240 fms*

Shot or lead *38 lbs*

Bottom *bk. S + R.*

Bottom temperature *43.8°*

No. of Thermometer *62369* Cor. *-0.1°*

Corrected temperature *43.7°*

Air *50* Surface *51* Drift. *N 2 1/2 W 1/2 S*

Trawl or dredge or tangles *Large Beam*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>9. 24. 50</i>	<i>34. 40</i>	0	<i>9. 40. 30</i>	<i>20. 15</i>
<i>26. 30</i>	<i>32. 50</i>	100	<i>45. 10</i>	<i>16. 55</i>
<i>27. 50</i>	<i>30. 10</i>	200	<i>49. 10</i>	<i>13. 55</i>
<i>28. 20</i>	<i>9. 28. 45</i>	300	<i>52. 55</i>	<i>10. 20</i>
		400	<i>59. 20</i>	<i>10. 04. 50</i>
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Net came 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	Net came up some what torn, containing several large rocks.			
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

3 Sebastolobus, 1 Sebastodes
 1 deep sea starfish (rare) 1 other species
 Several fine white brachiopods, few
 holothurians.

J.E.B.
N.C.Z.

No. 32065² Date April 12th 1890

Sigsbee Machine. *2 Reel.

Turns 153 Cor. + 14 Depth 169 fms

Shot or lead 38 lb

Bottom —

Bottom temperature Not known

No. of Thermometer *62369 Cor. —

Corrected temperature —

Air 58° Surface 57° Drift. N. W. 8'

Trawl or dredge or tangles large beam

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11. 13.40	not recorded	0	11.31.05	18.30
12. 40		100	34.45	15.15
15. 15		200	38.15	12.00
		300	41.45	09.15
		350	43.15	12.06.30
		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	Wire broke in coming up			
50	Lost 169 fms wire			
100	Thermometer #62369 and			
200	1 - 35 lb lead.			
300				
400				
500				
600				
700				
800				
900				
1000				

2 bushels Deep sea Urchins.

2 doz. Red Holothurians.

30 Deep sea sole.

8 Long finned sole.

1 Jordan's Flounder.

6 Hippoglossoides exilis

2 Sebastolobus.

11 Sebastodes

No. 3207 Dr Date April 12th 1890.

Sigsbee Machine. #2 Reel.

Turns 98 Cor. + 10 Depth 108 fms.

Shot or lead 35 lbs.

Bottom fine gy. S.

Bottom temperature 46°

No. of Thermometer 62489 Cor. - 0.2°

Corrected temperature 45.8°

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

Trawl or dredge or tangles large beam.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

1.53.30	57.30	0	2.01.00	46.45
54.50	1.55.00	100	05.30	44.20
		200	09.15	41.50
		300	12.10	2.39.15
		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	

$$\begin{array}{r}
 46^{\circ} 9' \\
 \underline{25^{\circ} 1'} \\
 21^{\circ} 48' \\
 \underline{44^{\circ} 48'} \\
 23^{\circ} 42'
 \end{array}$$

SERIAL TEMPERATURE.

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

1 doz. Long finned fishes.
 15 Deep Sea pole. Saw small Star fish.
 1 doz. other Shoulers - 3 sps. 1/2 doz small Alligator
 2 doz. Rock fish - 2 sps. fishes.
 1/2 peck Pink Deep Sea Urchins.
 40 Raw Crabs (small) all females with eggs
 but one. — 1 Basket fish.

NO. 3208
A.P.P.

No. 3208 ^{5th} Date April 12th 1890.

Sigsbee Machine. #2 Reel.

Turns 185 Cor. + 18 Depth 203 fms.

Shot or lead 35 lbs.

Bottom fine gy. s.

Bottom temperature 44.5°

No. of Thermometer 62489 Cor. - 0.2°

Corrected temperature 44.3°

Air 49° Surface 50° Drift. NW 1.4

Trawl or dredge or tangles large beam.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3.28.30	33.20	0	3.38.50	41-00
29.05	32.30	100	44.15	38-00
30.30	31.45	200	48.00	35-30
		300	50.40	32-30
		400	54.30	4-29-0
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
4440	2800	
185	2900	
2255	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				
<p>2 Large red H. Coelurians.</p>				
<p>10 Sebastolobus, 70 Rock fish - 2 species</p>				
<p>3 Eel Pouts. REMARKS. 4 Rat-fish</p>				
<p>30 Deep Sea Sole. 8 Skates - 2 species</p>				
<p>1 doz. Long-finned Sole a few Shells</p>				
<p>3 Large Pterodroma Blunders,</p>				
<p>15 small Blunders. 2 species</p>				
<p>1 tub Sea Machine - 1 large spiny Crab.</p>				
<p>2 large Prawns. 1 Red Cord.</p>				
<p>1 Orkling.</p>				

507

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5-37-00	42-00	0	5-46-0	21-0
39-00	5-40-00	100	50-0	19-0
		200	54-0	16-0
		300	57-30	6-13-0
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Not particularly serious -

2500

2600

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 deep sea sole
 1/2 doz other flounders (2 sp.)
 20 rock fish (2 sp.)
 1 spiny skate
 2 large eel pouts
 half bushel of flounders, sea urchins
 2 sp. small fishes
 few red holothurians

No. 3210 *RV* Date May 21st 1890

Sigsbee Machine. * 2 Reel.

Turns 442 Cor. + 41 Depth 483 fms

~~Shot or lead~~ 35 lbs

Bottom S. gy. M.

Bottom temperature 38.5°

No. of Thermometer 62849 Cor. - 0

Corrected temperature 38.5°

Air 42° Surface 43° Drift. 1/2 S. 1/2 E.

Trawl or dredge or tangles Large Beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

8 40.15	37.33	0	9 04.45	43.07
41.30	36.30	100	07.55	40.30
43.30	35.30	200	11.55	36.15
44.35	32.56	300	15.43	33.00
45.55	49.45	400	19.10	28.06
46.30	46.40	500	22.30	20.40
		600	25.20	16.55
		700	28.20	12.50
		800	31.00	08.05
		900	34.28	10.03.55
		1000	37.00	9 57.30
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

1 doz Sea urchins & 1 doz small shells & 1 doz
 1/2 doz small shrimp (all one species) 1 doz
 large shells, 2 species 1 Pt of Worms, sev-
 eral species. 2 alcyonaria. 2 hermit
 crabs. 2 species of fishes, 2 small
 crustacea, & about 30 Holothurians.

No.

3211 Dr

Date

May 24th 90

Machine.

Reel.

Turns

295

Cor. +

18

Depth

313 fms

~~Shot or lead~~

35 lbs

Bottom

gn M.

Bottom temperature

38.7°

No. of Thermometer

62847

Cor.

0

Corrected temperature

38.7

Air

41

Surface

44

Drift.

3.5 S $\frac{1}{2}$ W

Trawl or dredge or tangles

Large Beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

11.20.10

26.10

0

11.34.35

45-30

21.15

25.35

100

38.40

43-0

22.15

24.50

200

42.10

40-30

23.45

11.24.20

300

46.15

37-30

400

50.10

34-15

500

53.40

30-30

600 *

56.50

12-27-30

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.

few Shrimps
 3 fishes
 1 Holothurian
 12 Purple medusa
 1 Squid

No. 2278 Hy Date May 21/90

Sigsbee Machine. Reel. 2

Turns 248 Cor. + 23 Depth 271

Shot or lead 35

Bottom gy. S. bk. P. M. S. & P.

Bottom temperature 39.0

No. of Thermometer 62849 Cor. -

Corrected temperature 39.0

Air 44 Surface 44 Drift. 45

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

P.W.

1-35-0

43-0

0

37-0

42-30

100

39-0

40-0

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. 3212 Date May 21/90

Sigsbee Machine. Reel. 2

Turns 45 Cor. + 4 Depth 49

Shot or lead 35 lbs

Bottom gy-S br. sh.

Bottom temperature 38

No. of Thermometer 62849 Cor. —

Corrected temperature 38°

Air 39 Surface 43 Drift. 1/2 m. W. W.

Trawl or dredge or tangles Large Beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

2-23-0

2-25-0

0

2-26-0

47-30

100

31-0

150

33-30

200

2-23-0

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

45 40
45
3995

	2500	
	2600	
	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	12 species Sponges.			

1 bushy Serpents Stars

REMARKS.

Several Sea Anemones, 0 Sea Urchins
 Worms. 2 Polychaetes.
 3 Specimens Bathymaster Shells.

No. *3213* Date *May 21/90.*
Canon Machine. — Reel.
 Turns *40* Cor. + *1* Depth *41*
 Shot or lead *25 lbs.*
 Bottom *bk S.*
 Bottom temperature *none taken*
 No. of Thermometer — Cor. —
 Corrected temperature —
 Air *39* Surface *40* Drift. *1' S. 5. W.*
 Trawl or dredge or tangles *Large Beain*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>P.W. 3-19-30</i>	<i>3-21-0</i>	0	<i>3-45-0</i>	<i>12 05</i>
		100	<i>49.0</i>	<i>12 40</i>
		<i>120</i>		
		<i>200</i>	<i>51</i>	<i>14 10.10</i>
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

10 fms down but not ship's side
325
345
20 min
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.

1/2 peck Shrimps
 Lot Sand Dollars Shells
 Ophiurians - Hermit Crabs
 Star fishes Polyzoa Worms
 Sponges Octopus.

2613
507

No. 3214 Date May 21st 90
Tanner. Machine. Reel.

Turns 37 Cor. + 1 Depth 38 fms

Shot or lead 25 lbs.

Bottom gy. S. & G.

Bottom temperature did not break

No. of Thermometer 62849 Cor. —

Corrected temperature —

Air 39 Surface 40 Drift. 1" S. 1/2 E.

Trawl or dredge or tangles Large Beam

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4.49.05	50 10	0	5.27.00	46 10
49 40	4.49.45	100	33.00	41.50
		1200	38.15	5.41.05
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Starboard
 8 hauls over
 5.20
 1/2 Codfish 3 hauls
 5.23

	2500	
	2600	
	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. Sponges, shells
 Crabs, Hermit Crab, Star-fishes
 Sea Anemones, Ascidians, Holothurians
 Sea Urchins, Shrimps, Hydroids,
 Flounder, Young Rock fish
 Sculpins & other small fish
 1 Large Octopus

No. 3215 *Dr* Date May 21 1890

Tanner Machine. — Reel.

Turns 42 Cor. + 1 Depth 43 fms

~~Shot or lead~~ 25 lbBottom *G.*

Bottom temperature 38.5°

No. of Thermometer 62849 Cor. —

Corrected temperature 38.5°

Air 39 Surface 43 Drift. *N. 1/2 W. 1/2 mi*Trawl or dredge or tangles *Large Beam*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>P.M.</i> 7.18.15	<i>P.M.</i> 19.10	0	<i>P.M.</i> 7.24.00	32.05
18.45	7.18.50	100	26.40	50.10
		120 200	28.50	7.19.20
		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.

Sand Dollars, Shells, Flounders
 Starfishes, Sculpin, Bathymantle
 Basket star; and other small
 fish

No.

3216

Date

May 21st 1890

Tanner

Machine.

Reel.

Turns

60

Cor. +

1

Depth

61

Shot or lead

25 lbs.

Bottom

bk s + m

Bottom temperature

none taken

No. of Thermometer

Cor.

Corrected temperature

Air

39

Surface

43

Drift.

2 m No 1/2 V

Trawl or dredge or tangles

large beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

9-6-0

9-8-0

0

9-8-0

49-0

100

12-0

80

200

17-0

9-48-0

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.

3 bu Star fish (12 species) Many crabs
 Hermit Crabs + Shells including 4 //
 Voluta. Worms. Brachiopods. Poly-
 thurians. Shrimps. Octopus
 Sea Urchins. Flounders, Sculpin
 Alligator Fish. Pyrosoma & other small
 fishes

No. 3277 Date May 22nd 1870

Tanner Machine. — Reel.

Turns 41 Cor. + 1 Depth 42 fms

~~Shot or lead~~ 25 lbs

Bottom bk ls

Bottom temperature did not register

No. of Thermometer 62847 Cor. —

Corrected temperature —

Air 39 Surface 42 Drift. 1 1/2 N 4 1/2 E

Trawl or dredge or tangles Large Beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

3.26.15	29.55	0	3.33.10	39.55
26.40	3.26.40	100	37.30	50.10
		125	38.10	3.54.30
		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.

Sculper, Flounders, Small Pout.
1 Pollock, 1 Haise Skate, 2 small
Chins, Sand Dollars, Hermit Crabs
1 Basket Fish, shells, 1 starfish
1 Squid (small) Shrimps

No.

3218 DV

Date

May 22 1890

Tanner

Machine.

Reel.

Turns

40

Cor. +

1

Depth

41

fms

~~Shot or lead~~

25 lbs

Bottom

th. S.

Bottom temperature

37.7°

No. of Thermometer

62849

Cor. —

Corrected temperature

37.2

Air

39

Surface

42

Drift.

1' N x S

Trawl or dredge or tangles

Large Beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

5-05-40

06-40

0

5-08-55

40-50

06-03

5-06-05

100

13-17

43-25

200

14-01

5-43-15

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.

2500 / Ph Sand Dollars, a few each of
 Ophiurans, Star fish, Sea Urchins
 Shrimps & Shells. 3 kinds of F
Flounders, & a few other small
fishes

No. 3219 SV Date May 22 98

Machine. Reel.

Turns 58 Cor. + 1 Depth 59 fms

Shot or lead 25 lb

Bottom bk. S & G.

Bottom temperature 38°

No. of Thermometer 62849 Cor. —

Corrected temperature 38°

Air 39 Surface 42 Drift. 1' S 3/4 E

Trawl or dredge or tangles Large beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

6.46.20	48.25	0	6.49.10	26.45
46.55	6.46.57	100	52.15	20.10
		200	56.10	7.14 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.

Sand Dollars. Basket stars
 Hermit crabs. Sea Urchins
 Shells. Murex, 3 species Basket
 Sand Dollars. Hydroids, Shrimps
 Ophiurians star fish, a few flounders
 and other small fish

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9-0-0	9-20-0	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. *3220* Date *May 22/90*
Tanner Machine. Reel.

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

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

Bottom *G. fm Sh*

Bottom temperature *none taken*

No. of Thermometer *—* Cor. *—*

Corrected temperature *—*

Air *41* Surface *42* Drift. *8/10 N 3/4 W*

Trawl or dredge or tangles *Large Beane*

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

*11-09-0**11-10-0**0**11-12-0**37-0**100**16-0**11-33-30**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.

1 bu. Sponges, Mussels & other shell
 Hydroids, Shrimps, Crabs, Sea-
 Urchins, Echinothyrans, 1 Sculp-
 in, & many small fishes

No. 3221 ^{SV} Date May 22nd 90

Tanner Machine. Reel.

Turns 65 Cor. + 1 Depth 66 fms

Shot or lead 25 lbs

Bottom Sh + bk. S.

Bottom temperature 39.1°

No. of Thermometer 62849 Cor. —

Corrected temperature 39.1°

Air 40 Surface 42 Drift. 2' N. 1/2 E.

Trawl or dredge or tangles Large Beam

P.M. SOUNDING WIRE.

DOWN.

UP.

TURN.

P.M. DREDGE ROPE.

DOWN.

UP.

1-40-50	42.15	0	1-44.5-17 01
41-20	1.41.25	100	47.10 10-40
		200	50.50 2 07.45
		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.

Dredge Rope parted on reeling
 in
 Lost: 1 Haul frame, Net, &
 1 haul weight, & 40 fms wire

No. 3222 Date May 22 90

Tanner Machine. Reel.

Turns 49 Cor. + Depth 50 fms

Shot or lead 25 lbs

Bottom bk. S. P. sh

Bottom temperature 39.7

No. of Thermometer 62849 Cor. —

Corrected temperature 39.7

Air 40 Surface 40 Drift. 1 1/2 N. S. W. 1/2 W.

Trawl or dredge or tangles Range Beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

P.M. 3 00 00	01 05	0	P.M. 3 07 10	41 55
00 20	300 21	100	11 40	39 40
		200	15 40	33 50
		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.

Shrimps, Hydroids, Ascidians,
 Holothurians, Worms, 1/2 pc Serpents
 Stars, Starfishes, Crabs + Hermit
 Crabs, Bryozoans, Shells, Sponges
 + Sea Urchins. Bathymaster
extract Sculpin, + Small Rock Cod
1 large Sculpin.

No.

32235

Date

May 22/90

Tanner

Machine.

Reel.

Turns 55 Cor. + 1 Depth 56

~~Shot or lead~~ 25 lbs

Bottom bk P.

Bottom temperature 39

No. of Thermometer 62849 Cor. —

Corrected temperature 39°

Air 40 Surface 42 Drift. 1m S W X 10

Trawl or dredge or tangles — Large Beam ^{1/4 W}

P.W. SOUNDING WIRE.

TURNS.

P.W. DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

4-35-40 4-38-0

0

4-42-0

10-55

100

150

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

4-48-0

5-05 10

	2500	
	2600	
	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				
<div> <div>1 pk Sea Urchins</div> <div>Serpent Stars</div> <div>Bryozoa.</div> </div>				
<div> <div>Several kinds of fish</div> <div>REMARKS.</div> <div>Sponges.</div> <div>Hydroids</div> <div>Holothurians</div> <div>Crabs</div> <div>Shrimps</div> <div>Shells</div> <div>1 large Skate</div> <div>Atheristhes</div> <div>Alligator fish</div> <div>small Scombrus.</div> </div>				

No. *2280 Hy* Date *May 22/90*
Tanner Machine. Reel.
 Turns *174* Cor. + *4* Depth *178*
 Shot or lead *25 lbs*
 Bottom *fk s.*
 Bottom temperature *38.5*
 No. of Thermometer *62849* Cor. —
 Corrected temperature *38.5*
 Air *39* Surface *43* Drift.
 Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>6-17-15</i>	<i>22-0</i>	0		
<i>18-0</i>	<i>20-30</i>	100		
<i>19-0</i>	<i>6-19-30</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.

507
488
H.C.F.

No. *3224* Date *May 22/90*
Sigsbee Machine. Reel. *2*

Turns *110* Cor. + *11* Depth *121*

Shot or lead *35 lbs*

Bottom *fk s + b.*

Bottom temperature *38.2*

No. of Thermometer *63902* Cor. *-*

Corrected temperature *38.2*

Air *39* Surface *43* Drift. *1' W. N.W.*

Trawl or dredge or tangles *Large Beam*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>7-30-0</i>	<i>34-0</i>	0	<i>7-36-30</i>	<i>18.45</i>
<i>31-0</i>	<i>7-32-30</i>	100	<i>41-30</i>	<i>14.30</i>
		200	<i>45-30</i>	<i>11.00</i>
		300	<i>49-30</i>	<i>8.08.30</i>
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*Lost- Thermometer No 62849
 and 25 lb. lead.
 in Tinner's machine.*

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	50
	3800	10
	3900	14
	4000	

SERIAL TEMPERATURE.

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

1/2 pk Shrimps. REMARKS.

1/2 " Sea Urchins. Serpent stars -
 Shells. Amphipods - Star fish -
 Crabs. Hermit crabs. Atheresthes.
 1 Cod Fish. 1 Alligator Fish.
 Small sculpins.

177.3.
507

No. 3225 Dr Date May 22^d

Tanner Machine. — Reel.

Turns 83 Cor. + 2 Depth 85 fms.

Shot or lead 25 lbs

Bottom bk. S. ~~NR~~.

Bottom temperature 38.6°

No. of Thermometer 63902 Cor. —

Corrected temperature 38.6°

Air 39 Surface 41 Drift. 1' N. W. 1/4 N.

Trawl or dredge or tangles large beam.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9.23.05	25.15	0	9.28.00	11.30
23.45	9.24.00	100	33.30	08.00
		200	39.20	04.50
		250	42.35	10.02.15
		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 pk. Shrimps - Sea Urchins. Shells.
 Amphipods. Star fishes. Small Crabs.
 4 Hermit crabs. Small sculpins.

H. J.

No. 2281 Hyd. Date May 22nd 1890.

Tanner Machine. Reel.

Turns 78 Cor. + 2 Depth 80 fms.

Shot or lead 25 lbs.

Bottom y. l. m.

Bottom temperature 38.2°

No. of Thermometer 63902 Cor. —

Corrected temperature 38.2°

Air 38 Surface 42 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

P.M.

11.43.20

46.08

0

11.44.00

11.44.25

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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

SERIAL TEMPERATURE.

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

REMARKS.

No. 2282 Key Date May 23 90

Tanner Machine. Reel.

Turns 79 Cor. + 2 Depth 8 1/2 fms

Shot or lead 25 lbs

Bottom — —

Bottom temperature not taken

No. of Thermometer — Cor. —

Corrected temperature —

Air 39 Surface 43 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1 22 0	1 32.0	79		
		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.

Wire parted, losing
5 fms wire, 1-25 lb lead

No. 2283 Date May 23. 1890

Tanner Machine. — Reel.

Turns 78 Cor. + 2 Depth 80 fms

Shot or lead 25 lbs

Bottom M

Bottom temperature 38.4°

No. of Thermometer 63902 Cor. —

Corrected temperature 38.4

Air 38 Surface 41 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3. 03.20	06.10	0		
03.55	3.04.55	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

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. *2284* Date *May 23/90*
Tanner Machine. Reel.
 Turns *86* Cor. + *2* Depth *88*

Shot or lead *2.5 lbs.*

Bottom *Sh.*

Bottom temperature *none taken*

No. of Thermometer *63902* Cor. —

Corrected temperature —

Air *36* Surface *41* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>5-17-0</i>	<i>5-18-0</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.

No. 22854 Date May 23/90
 Tanner Machine. Reel.

Turns 114 Cor. + 3 Depth 117

Shot or lead 35 lbs

Bottom S. M.

Bottom temperature 38

No. of Thermometer 63902 Cor. —

Corrected temperature 38°

Air 56 Surface 41 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
6-33-0	38-0	0		
35-0	6-36-0	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.

502
502
HC. 7.

No. *32265* Date *May 23/90*
Tanner Machine. Reel.

Turns *125* Cor. + *3* Depth *128*

Shot or lead *15 lbs.*

Bottom *fn. S. sh.*

Bottom temperature *38.5*

No. of Thermometer *63902* Cor. —

Corrected temperature *38.05*

Air *37* Surface *42* Drift. *3/4 mile N by E*

Trawl or dredge or tangles *Small Beam*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>Adv. 7-33-0</i>	<i>37-0</i>	0	<i>7-39-0</i>	<i>14.00</i>
<i>34-0</i>	<i>7-34.30</i>	100	<i>42-0</i>	
		200	<i>45-0</i>	
		<i>60</i> 300	<i>48-0</i>	<i>8.06.15</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.

Serpent stars - Star fishes.
 1 Cod Fish. 1 Red Rock Fish.
 Small Sculpins. Octopuses.
 1 qt. Shrimps.

1890

No. 2286 Hy. Date May 23^d 1890.

Sigsbee Machine. #2 Reel.

Turns 170 Cor. + 16 Depth 186 fms.

Shot or lead 35 lbs.

Bottom gn. M.

Bottom temperature 38.6

No. of Thermometer 63902 Cor. —

Corrected temperature 38.6

Air 38 Surface 43 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.03.15	08.00	0		
04.15	07.10	100		
05.00	10.06.30	200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

216 110
 170
 270

2500
 2600
 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. 3227 *DE* Date May 23^d 1890.

Sigsbee Machine. #2 Reel.

Turns 205 Cor. + 20 Depth 225 fms.

Shot or lead 35 lbs.

Bottom gn. M.

Bottom temperature 38.6

No. of Thermometer 63902 Cor. —

Corrected temperature 38.6

Air 37 Surface 42 Drift. N. 8. E. 1'

Trawl or dredge or tangles Large Beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

11.55.10	01.35	0	12.01.45	58.25
56.05	12.00.40	100	04.45	55.00
57.05	—	200	07.05	53.45
57.08	11.59.30	300	14.45	49.20
		400	17.55	46.30
		500	22.50	41.15
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

4000
205
4235

2500
2600
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.

Star fishes, Worms, Shrimps Holothu-
rians, Sea Anemone, Serpent Stars
Shells, Rose Fish, Eel pout + several
small fishes, Flounders, 1 Deep Sea Eel

No. 2287 Date May 23 1890

Machine. #2 Reel.

Turns 293 Cor. + 27 Depth 320 fms

Shot or lead 35 lb

Bottom gn. M

Bottom temperature 38.2

No. of Thermometer 63902 Cor. -

Corrected temperature 38.2

Air 38 Surface 43 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

2.54.50	.59.15	0		
.55.02	.59.02	100		
.56.07	.58.05	200		
.57.02	2.57.20	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. 2288 Hy Date May 23/90.

Sigsbee Machine. Reel. 2

Turns 540 Cor. + 53 Depth 593

Shot or lead 35 lbs.

Bottom gn m

Bottom temperature 37

No. of Thermometer 63902 Cor. —

Corrected temperature 37°

Air 38° Surface 42° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

4-49-0

5-6

0

50-0

4-6

100

51-30

3-0

200

53-0

2-0

300

54-0

1-0

400

55-0

4-0-0

500

55-30

400
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. 3.
507

No. 2289 Hyd. Date May 28th 1890

Tanner Machine. — Reel

Turns 96 Cor. + 3 Depth 99 fms

Shot or lead 28 lbs.

Bottom bk. S.

Bottom temperature did not capsize.

No. of Thermometer 63902 Cor. —

Corrected temperature —

Air 42 Surface 44 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11.25.00	28.40	0		
26.50	11.27.00	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. 2290 By Date May 25th 1890

Sanner Machine. - Reel.

Turns 46 Cor. + Depth 47

Shot or lead 28 lb

Bottom bk s

Bottom temperature 38

No. of Thermometer 63902 Cor. -

Corrected temperature 38°

Air 42 Surface 43 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

12.08.15

12.09.45

0

08.50

08.53

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

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. 2291 *Hy* Date May 28th 1890

Tanner Machine. Reel.

Turns 44 Cor. + 1 Depth 45 fms.

Shot or lead 25 lb

Bottom ~~gy. S.~~

Bottom temperature 39°

No. of Thermometer 63902 Cor. —

Corrected temperature 39°

Air 42 Surface 45 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

12 48.00 49.10

48.30 12 48.32

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. 2292 Key Date May 28 90

Tanner Machine. Reel.

Turns 31 Cor. + 1 Depth 32 fms.

Shot or lead 28 lbs.

Bottom brk Sh + blk S.

Bottom temperature did not register

No. of Thermometer 63902 Cor. —

Corrected temperature —

Air 42 Surface 43 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

1:14.55

1:15.55

0

1:15.10

1:15.12

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. 2293 Key Date May 28 1890

Tanner Machine. Reel.

Turns 23 Cor. + Depth 24 fms.

Shot or lead 28 lb

Bottom bk S

Bottom temperature not taken

No. of Thermometer Cor. —

Corrected temperature

Air 41 Surface 42 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

2. 11. 00 11.35

11. 20 2. 11. 22

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. 22947 Date May 28. 90

Tanner Machine. Reel.

Turns 29 Cor. + Depth 30 fms

Shot or lead 28 lbs

Bottom bk s.

Bottom temperature did not report

No. of Thermometer 63902 Cor. —

Corrected temperature —

Air 41 Surface 42 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

2 49.20

49.56

0

49.35

2 49.36

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. *2295 Key* Date *May 28. 1890**Tanner* Machine. Reel.Turns *27* Cor. + *1* Depth *28 fms*Shot or lead *28 lbs*Bottom *crs S + Groh*Bottom temperature *This did not upset*No. of Thermometer *63902* Cor. *—*Corrected temperature *—*Air *41* Surface *42* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>3.11.15</i>	<i>12.12</i>	0		
<i>11.30</i>	<i>3.11.30</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. 2296 Date May 28 1890

Machine. Reel.

Turns 33 Cor. + Depth 34 fms

Shot or lead 28 lb

Bottom Co. G.

Bottom temperature 40°

No. of Thermometer 63702 Cor. —

Corrected temperature 40°

Air 41 Surface 42 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

3 55.30

1215

0

55 50

3 56 05

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. 2297, Date May 28/90.

anner. Machine. Reel.

Turns 30 Cor. + 1 Depth 31

Shot or lead 28 lbs.

Bottom bk. p.

Bottom temperature 41.2

No. of Thermometer 63902 Cor. —

Corrected temperature 41.2

Air 41 Surface 42 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4-45-30	4-46-30	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	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. 2298 Hyd Date May 28th 1890.

Tanner Machine. — Reel.

Turns 18 Cor. + — Depth 18 fms.

Shot or lead 28 lbs.

Bottom fine. bk. S.

Bottom temperature 41.5°

No. of Thermometer 63902 Cor. —

Corrected temperature 41.5°

Air 40 Surface 44 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5. 23.25	20.10	0		
23.30	5. 23.40	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. 2299 Hyd. Date May 29th 1890.

Tanner Machine. — Reel.

Turns 16 Cor. + — Depth 16 fms.

Shot or lead 28 lbs.

Bottom tk. S.

Bottom temperature —

No. of Thermometer —

Cor. —

Corrected temperature —

Air 45 Surface 44 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

6.58.00 6.59.00

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	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. *2300* Key Date *May 29th 1890**Tanner* Machine. Reel.Turns *12* Cor. + *-* Depth *12 fms*Shot or lead *28 lbs*Bottom *sky*Bottom temperature *39.3°*No. of Thermometer *63902* Cor. *-*Corrected temperature *39.3*Air *44* Surface *44* Drift.

Trawl or dredge or tangles

SOUNDING WIRE

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

8 16 00 16.35

0

16 12 8 16.14

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. 2301 Date May 29. 90

Machine. — Reel.

Turns 5 Cor. + Depth 15 fms

Shot or lead 28 lbs

Bottom fine G

Bottom temperature 41°

No. of Thermometer 63902 Cor. —

Corrected temperature 41°

Air 44 Surface 44 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

9.49.00 9.50.00

0

49.30 49.32

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.

No. *2302* Date *May 29 96**Tanner* Machine. Reel.Turns *16* Cor. + — Depth *16*~~Shot or~~ lead *28 lbs.*Bottom *fine blk S*Bottom temperature *41°*No. of Thermometer *63962* Cor. —Corrected temperature *41°*Air *44* Surface *44* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

*10 40 05**40 55*

0

*15**10 40 16*

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. *2303 Key* Date *May 29 1890**Tanner* Machine. Reel.Turns *11* Cor. + Depth *11 fms*Shot or lead *28 lb*Bottom *fine bk s.*Bottom temperature *41°*No. of Thermometer *63902* Cor. —Corrected temperature *41°*Air *44* Surface *44* Drift.

Trawl or dredge or tangles

<i>A.M.</i> SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>11 06.20</i>	<i>06.45</i>	0		
<i>30 11.06.31</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.

A.P.

No. *2304* Date *May 29/90.*
Hand lead Machine. Reel.

Turns — Cor. + — Depth *15 fms.*

Shot or lead *12 lbs.*

Bottom *S.*

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air *42* Surface *44* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

P.W.
12-16-0

- 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. *2305 Hy* Date *May 29/90*
Hand lead Machine. Reel.

Turns — Cor. + — Depth *14*

Shot or lead *12 lbs.*

Bottom *fine gy S*

Bottom temperature

No. of Thermometer — Cor. —

Corrected temperature

Air *44* Surface *46* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>P.W.</i>				
<i>2-00-0</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.

at P. I.

No. 2306 Hy Date May 29/90

Hand Lead Machine. Reel.

Turns — Cor. + — Depth 13

Shot or lead 12 lbs-

Bottom bk. G.

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air 44 Surface 46 Drift.

Trawl or dredge or tangles

P. W.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2-46-0		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. *2307* Date *May 29/90*
Hand Machine. Reel.

Turns — Cor. + — Depth *16*

Shot or lead *12 lbs*

Bottom *fine gy. S. bk. sp.*

Bottom temperature

No. of Thermometer — Cor. —

Corrected temperature

Air *44* Surface *45* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>P. W.</i> <i>3-10-0</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.

C.H.P.

No. 2308 Date May 29/90

Hand Lead Machine. Reel.

Turns — Cor. + — Depth 22 fms.

Shot or lead 12 lbs.

Bottom fine gy S.

Bottom temperature

No. of Thermometer — Cor. —

Corrected temperature

Air 44 Surface 45 Drift. —

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
P.W. 4-21-0		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.

N.S.P.
107

No. *2309* *Hqd.* Date *May 29th 1890.*

Hand lead. Machine. — Reel.

Turns — Cor. + — Depth *23 fms.*

Shot or lead *12 lbs.*

Bottom *Rky. & brk. Sh.*

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air *44* Surface *47* Drift. —

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

P.M.
5.02.00 *5.04.00*

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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

SERIAL TEMPERATURE.

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

REMARKS.

567
No. 2310 Hyd. Date May 29th 1890.

Hand lead Machine. — Reel.

Turns — Cor. + — Depth 22 fms.

Shot or lead 12 lbs.

Bottom G. & bk. sh.

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air 44 Surface 45 Drift.

Trawl or dredge or tangles

pm SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

5. 40.00 5. 43.00

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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

SERIAL TEMPERATURE.

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

REMARKS.

507

No. 2311 Hyd Date May 29th 1891.

Hand lead Machine, — Reel.

Turns — Cor. + — Depth 20 fms.

Shot or lead 12 lbs.

Bottom fine. H. S.

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air 44 Surface 45 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
6.20.00	6.23.00	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.

No. 2312 Hyd. Date May 29th 1890.

Tanner Machine. — Reel.

Turns 16 Cor. + — Depth 16 fms.

~~Shot or lead~~ 28 lbs.

Bottom Rky. & Sh.

Bottom temperature 41°

No. of Thermometer 63902 Cor. —

Corrected temperature 41°

Air 45 Surface 45 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

7 02.30 03.20

0

02.50 7.03.05

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
N.C.J.

No. 2313 Hyd. Date

May 29th 1890.

Hand lead Machine. — Reel.

Turns — Cor. + — Depth 17 fms.

Shot or lead 12 lbs.

Bottom P. x bk. S.

Bottom temperature —

No. of Thermometer —

Cor. —

Corrected temperature —

Air 44 Surface 45 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7.35.00	7.38.00	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.

J. G. B.

No. *2314* Key Date *May 29. 1890*
Hand Sea Machine. Reel.
 Turns *15 1/2* Cor. + *—* Depth *15 1/2 fms.*
 Shot or lead *12 lb*
 Bottom *G.*
 Bottom temperature *—*
 No. of Thermometer *—* Cor. *—*
 Corrected temperature *—*
 Air *45* Surface *45* Drift.
 Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>8.16.20</i>	<i>8.19.00</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.

J.E.B.
507

No. 2315 Date May 29th 90

Band Read Machine. Reel.

Turns — Cor. + — Depth 13 fms

Shot or lead 12 lbs.

Bottom R.

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air 45 Surface 45 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8.36.30	8.40.00	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.

107.

No. 2316 Ny Date May 30/90
Hand Lead Machine. Reel.

Turns — Cor. + — Depth 16

Shot or lead 12 lbs.

Bottom brk s & brk sh.

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air 41 Surface 42 Drift.

Trawl or dredge or tangles —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4-25-0		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.