

N^o - 9.

Feb'y 12th 1889

March 20th 1889.

Dr 2981 to 3010.

Hyd 1762 to 1830.

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

Tanner Machine

on reel 400

| Turns | Correction |
|---------|------------|
| 16-38 | +1 |
| 38-70 | +2 |
| 70-105 | +3 |
| 105-142 | +4 |
| 142-190 | +5 |
| 190-260 | +6 |
| 260-384 | +7 |

1762 Hudd

2981 Dredge

Lat. 10.
 No. *1762* Date *Feb. 12th 1889*

Tanner Machine. Reel.

Turns *38* Cor. + *2* Depth *40*

Shot or lead *25-lbs.*

Bottom *b.k. sh.*

Bottom temperature *57*

No. of Thermometer *61588* Cor. ± 0

Corrected temperature *57*

Air *62* Surface *60* Drift.

~~Trawl or dredge or tangles~~

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

P.M. *10.06.00* *107.10*

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

No.

2981.

Date

February 13/04

Tanner

Machine.

Reel.

Turns

43

Cor. +

2

Depth

45-

Shot or lead

25 lbs

Bottom

Crs gy S & bk Sh.

Bottom temperature

none

No. of Thermometer

none

Cor. -

Corrected temperature

none

Air

61

Surface

58

Drift.

1/2 m S 1/2 E

Trawl or dredge or tangles

Large Beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

at all

DREDGE ROPE.

DOWN.

UP.

6-10-0

0

6-15-0

32-25

100

6-19-30

6-29-30

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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

SERIAL TEMPERATURE.

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

REMARKS.

No. *Hy 1763* Date *February 13/89*
Tanner Machine. Reel.

Turns *40* Cor. + *2* Depth *42*

Shot or lead *25 lbs*

Bottom *br. for. sh. R.*

Bottom temperature *55.5*

No. of Thermometer *61588* Cor. *± 0*

Corrected temperature *55.5*

Air *61* Surface *58* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

*A.M.**6-39-0**6-40-0**0**39-50**100**200**300**400**500**600**700**800**900**1000**1100**1200**1300**1400**1500**1600**1700**1800**1900**2000**2100**2200**2300**2400*

P. 14
Caught - 5 Red Rock fish -
Back of view over side -

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

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. *1764*

Date *February 12/19*

Ganner Machine. Reel.

Turns *31* Cor. + *1* Depth *32*

Shot or lead *25 lbs*

Bottom *gy. S.*

Bottom temperature *none*

No. of Thermometer *none* Cor.

Corrected temperature *none*

Air *61* Surface *58* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

A. M.

7-23-0

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

Put 6 Grid Lines over side - Caught.

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

Wm 607

No. 1765 Hya. Date Feb 13th 1889

Tanner Machine. Reel.

Turns 20 Cor. + 1 Depth 21

Shot or lead 25-lb

Bottom gy.

Bottom temperature nm

No. of Thermometer nm Cor.

Corrected temperature nm

Air 60 Surface 58 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

| SOUNDING WIRE. | | TURNS. | DREDGE ROPE. | |
|----------------|---------|--------|--------------|-----|
| DOWN. | UP. | | DOWN. | UP. |
| 8.25.30 | 8.28.00 | 0 | | |
| 8.26.00 | 8.26.30 | 100 | | |
| | | 200 | | |
| | | 300 | | |
| | | 400 | | |
| | | 500 | | |
| | | 600 | | |
| | | 700 | | |
| | | 800 | | |
| | | 900 | | |
| | | 1000 | | |
| | | 1100 | | |
| | | 1200 | | |
| | | 1300 | | |
| | | 1400 | | |
| | | 1500 | | |
| | | 1600 | | |
| | | 1700 | | |
| | | 1800 | | |
| | | 1900 | | |
| | | 2000 | | |
| | | 2100 | | |
| | | 2200 | | |
| | | 2300 | | |
| | | 2400 | | |

Put trawling line over side, & lines out.

Lat. 36.

Red. Rock N.N.W. 11

gypsum 11

yellow tank 11

fish Rock 1111

Fished 10 minutes

Lat head. 111
Cactus 1111

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

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. 1766 H. A. Date February 13th 1889

Machine. Reel.

Turns Cor. + Hand line Depth 22 1/2

Shot or lead 8 lbs

Bottom

Bottom temperature none

No. of Thermometer none Cor.

Corrected temperature none

Air 60 Surface 57 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

A. M. 8.45.00

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

Fishes with handlines & lines out.

Reg. Rock III

Crab 1

Yellow Tail

Port. Rock III

White fish 1

Fishes 20 minutes

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

507

No. 1767 Hya. Date February 12th 1889
Sigsbee Machine. Reel.

Turns 65 Cor. + 6 Depth 71

Shot or lead 35 lb

Bottom bot. Co.

Bottom temperature 57.4

No. of Thermometer 61588 Cor. ± 0

Corrected temperature ~~mean~~ 57.4

Air 60 Surface 57 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

| DOWN. | UP. |
|---------|---------|
| 9.49.30 | 9.25.00 |
| 9.50.00 | 9.57.30 |

TURNS.

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

DREDGE ROPE.

| DOWN. | UP. |
|-------|-----|
|-------|-----|

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

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. 1768 H31 Date February 13th 89
 Sigbee Machine. Reel.
 Turns 600 Cor. + 44 Depth 644
 Shot or lead 35 lb

Bottom gy S.

Bottom temperature 39.5

No. of Thermometer 61588 Cor. ± 0

Corrected temperature 39.5

Air 62 Surface 58 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

| A. M. | SOUNDING WIRE. | | TURNS. | DREDGE ROPE. | |
|----------|----------------|----------|--------|--------------|-----|
| | DOWN. | UP. | | DOWN. | UP. |
| 10.35.00 | | 10.55.40 | 0 | | |
| 10.37.00 | | 10.54.30 | 100 | | |
| 10.38.40 | | 10.53.30 | 200 | | |
| 10.41.30 | | 10.52.10 | 300 | | |
| 10.43.00 | | 10.50.00 | 400 | | |
| 10.44.00 | | 10.48.00 | 500 | | |
| 10.45.00 | | 10.46.00 | 600 | | |
| | | | 700 | | |
| | | | 800 | | |
| | | | 900 | | |
| | | | 1000 | | |
| | | | 1100 | | |
| | | | 1200 | | |
| | | | 1300 | | |
| | | | 1400 | | |
| | | | 1500 | | |
| | | | 1600 | | |
| | | | 1700 | | |
| | | | 1800 | | |
| | | | 1900 | | |
| | | | 2000 | | |
| | | | 2100 | | |
| | | | 2200 | | |
| | | | 2300 | | |
| | | | 2400 | | |

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

MAH 507
 Feb 13

No. 2982, Dredge Date Feb. 13th 1889

Sigsbee Machine. Reel.

Turns 164 Cor. + 14 Depth 178

Shot or lead 35.

Bottom S. M. G.

Bottom temperature 46.7

No. of Thermometer 61588 Cor. ± 0

Corrected temperature 46.7

Air 63 Surface 58 Drift. N $6\frac{1}{2}$ m.

Trawl or dredge or tangles large Beacon

| SOUNDING WIRE. | | TURNS. | DREDGE ROPE. | |
|----------------|----------|--------|--------------|------------|
| A.M. DOWN. | UP. | | A.M. DOWN. | P.M. |
| 11.40.00 | 11.45.50 | 0 | 11.47.00 | 25. 05 |
| 11.41.00 | 11.44.30 | 100 | 11.52.30 | 22. 15 |
| 11.42.00 | 11.43.00 | 200 | 11.57.30 | 19. 20 |
| | | 300 | 12.00.00 | 16. 40 |
| | | 350 | | |
| | | 400 | 12. 01. 25 | 12. 15. 00 |
| | | 500 | | |
| | | 600 | | |
| | | 700 | | |
| | | 800 | | |
| | | 900 | | |
| | | 1000 | | |
| | | 1100 | | |
| | | 1200 | | |
| | | 1300 | | |
| | | 1400 | | |
| | | 1500 | | |
| | | 1600 | | |
| | | 1700 | | |
| | | 1800 | | |
| | | 1900 | | |
| | | 2000 | | |
| | | 2100 | | |
| | | 2200 | | |
| | | 2300 | | |
| | | 2400 | | |

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

Amth

No. 1769 Hyd. Date Feb. 1st 1889

Sigsbee Machine. 2 Reel.

Turns 171 Cor. + 14 Depth 185

~~Shot or lead~~ 35 lbs

Bottom fine bk & whs.

Bottom temperature 46.

No. of Thermometer 61588 Cor. ± 0

Corrected temperature 46

Air 55 Surface 56 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

Amth

6. 30.00 6. 37.20

6. 31.00 6. 36.10

6. 32.00 6. 35.30

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

W.H. 807

No. 1780 Hyd. Date Feb 14. 1889

Sigsbee Machine. Reel. 2

Turns 670 Cor. + 48 Depth 718

Shot or lead 35 lbs

Bottom gn m.

Bottom temperature 39.4

No. of Thermometer 61588 Cor. 0

Corrected temperature 39.4

Air 55 Surface 56 Drift.

Trawl or dredge or tangles

| SOUNDING WIRE. | | TURNS. | DREDGE ROPE. | |
|----------------|---------|--------|--------------|-----|
| DOWN. | UP. | | DOWN. | UP. |
| 7.20.00 | 7.37.00 | 0 | | |
| 7.21.30 | 7.35.30 | 100 | | |
| 7.22.30 | 7.35.00 | 200 | | |
| 7.23.30 | 7.34.30 | 300 | | |
| 7.25.00 | 7.34.00 | 400 | | |
| 7.26.30 | 7.33.30 | 500 | | |
| 7.27.30 | 7.32.30 | 600 | | |
| 7.28.40 | 7.31.30 | 700 | | |
| | | 800 | | |
| | | 900 | | |
| | | 1000 | | |
| | | 1100 | | |
| | | 1200 | | |
| | | 1300 | | |
| | | 1400 | | |
| | | 1500 | | |
| | | 1600 | | |
| | | 1700 | | |
| | | 1800 | | |
| | | 1900 | | |
| | | 2000 | | |
| | | 2100 | | |
| | | 2200 | | |
| | | 2300 | | |
| | | 2400 | | |

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

No. *Hy. 1091*Date *February 14/9**Sigsbee*

Machine.

Reel. *#2*Turns *512* Cor. + *39*Depth *551*Shot or lead *35 lbs.*Bottom *gn. dk. r*Bottom temperature *40*No. of Thermometer *61588* Cor. *± 0*Corrected temperature *40*Air *56* Surface *57* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

*8-21-30**33-0*

0

*22-30**32-0*

100

*23-30**31-0*

200

*24-30**30-0*

300

*25-30**29-0*

400

*26-30**8-28-0*

500

12

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Temperature corrected to

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

SERIAL TEMPERATURE.

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

REMARKS.

Lat. 13.

No. 16. 1772

Date Feb. 26th 1889

Sigsbee Machine. 2 Reel.

Turns 70 Cor. + 6

Depth 76

Shot or lead 38 lbs.

Bottom gy S. S.

Bottom temperature 52.8

No. of Thermometer 61588 Cor. \pm 0

Corrected temperature 52.8

Air 61 Surface 60 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

P.M.

4. 03. 50

06.55

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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

SERIAL TEMPERATURE.

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

REMARKS.

Laut B.

No. 1773 Date Feb. 26" 1889.

Sigsbee Machine. 2 Reel.

Turns 686 Cor. + 49 Depth 735-

Shot or lead 38 lbs

Bottom gn M.

Bottom temperature 38.

No. of Thermometer 61588 Cor. ± 0

Corrected temperature 38

Air 61 Surface 60 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

| P.M. | SOUNDING WIRE. | | TURNS. | DREDGE ROPE. | |
|------|----------------|---------|--------|--------------|-----|
| | DOWN. | UP. | | DOWN. | UP. |
| 4. | 43.40 | 5.00.00 | 0 | | |
| | 44.30 | 4.59.00 | 100 | | |
| | 45.30 | 4.58.30 | 200 | | |
| | 46.35 | 4.58 | 300 | | |
| | 47.45 | 4.57 | 400 | | |
| | 49.00 | 4.56 | 500 | | |
| | 50.10 | 4.55 | 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. *16. 1774* Date *Feb. 26" 1889*

Sigsbee Machine. *2* Reel.

Turns *721* Cor. + *52* Depth *773*

Shot or lead *35 lbs*

Bottom *gy M.*

Bottom temperature *37.8*

No. of Thermometer *61588* Cor. *-0*

Corrected temperature *37.8*

Air *63* Surface *59* Drift.

~~Trawl or dredge or tangles~~

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

*P.M.**6. 15. 50**32.20**0**17. 20**31.30**100**18. 20**30.55**200**19. 20**30.10**300**20. 40**29.25**400**21. 45**28.40**500**22. 50**27.45**600**24. 15**26.40**700**800**900**1000**1100**1200**1300**1400**1500**1600**1700**1800**1900**2000**2100**2200**2300**2400*

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

7/11/14

No. 177543 Date Feb 26
 Sigsbee Machine. Reel. 2
 Turns 748 Cor. + 53 Depth 801

Shot or Lead 35 lbs

Bottom gy. Oz.
 Bottom temperature 37.5

No. of Thermometer 61388 Cor. ±0

Corrected temperature 37.5

Air 61 Surface 59 Drift.

Trawl or dredge or tangles

| SOUNDING WIRE. | | TURNS. | DREDGE ROPE. | |
|----------------|---------|--------|--------------|-----|
| DOWN. | UP. | | DOWN. | UP. |
| 8.30.00 | 8.47.20 | 0 | | |
| 8.31.00 | 8.46.00 | 100 | | |
| 8.32.00 | 8.45.00 | 200 | | |
| 8.33.00 | 8.44.00 | 300 | | |
| 8.34.00 | 8.43.00 | 400 | | |
| 8.35.00 | 8.42.00 | 500 | | |
| 8.36.00 | 8.41.00 | 600 | | |
| 8.37.00 | 8.40.00 | 700 | | |
| 8.38.00 | 8.39.00 | 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.

From 1007

No. 1776 Hya Date Feb 26th 1889

Sigsbee Machine. Reel. 2

Turns 750 Cor. + 53 Depth 803

Shot or lead 35 lb

Bottom gy. Oz.

Bottom temperature 87.5

No. of Thermometer 61588 Cor. ±0

Corrected temperature 37.5

Air 60 Surface 69 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

| | |
|----------|----------|
| 11.18.00 | 11.36 |
| 11.19.00 | 11.35 |
| 11.20.00 | 11.34.00 |
| 11.21.00 | 11.33. |
| 11.22.00 | 11.32.00 |
| 11.23.00 | 11.31.00 |
| 11.24.00 | 11.29.50 |
| 11.25.00 | 11.28.30 |
| 11.25.30 | 11.28.00 |

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. *1477*

Date

February 27/89.

Machine.

Reel. # *2*Turns *800* Cor. + *56*Depth *856*Shot or lead *35 lb*Bottom *gy m*

Bottom temperature

37.5

No. of Thermometer

*61588*Cor. *±0*

Corrected temperature

37.5

Air

60

Surface

60

Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

*2-36-30 3-02-0**0**38-30 1-30**100**40-0 1**200**41-0 3-0-0**300**42-0 54**400**43-0 58**500**45-0 57**600**46-0 56**700**47-30 2-55-30**800**900**1000**1100**1200**1300**1400**1500**1600**1700**1800**1900**2000**2100**2200**2300**2400*

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

No. 1778

Date

Feb. 27th 1889

Sigsbee Machine. 2 Reel.

Turns 1418 Cor. + 94

Depth 1512

Shot or lead 35 lbs.

Bottom choc. G.

Bottom temperature 35.3

No. of Thermometer 61588

Cor. ± 0

Corrected temperature 35.3

Air 61 Surface 60.1 Drift.

~~Trawl or dredge or tangles~~

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

| | | | | |
|-----------|-----------|------|--|--|
| 7. 39. 30 | 09. 50 | 0 | | |
| 40. 25 | 09. 10 | 100 | | |
| 41. 20 | 08. 35 | 200 | | |
| 42. 25 | 08. 00 | 300 | | |
| 43. 30 | 07. 20 | 400 | | |
| 44. 40 | 06. 40 | 500 | | |
| 45. 50 | 05. 55 | 600 | | |
| 47. 05 | 05. 10 | 700 | | |
| 48. 20 | 04. 30 | 800 | | |
| 49. 40 | 03. 40 | 900 | | |
| 51. 00 | 02. 50 | 1000 | | |
| 52. 20 | 01. 50 | 1100 | | |
| 53. 40 | 8. 00. 55 | 1200 | | |
| 55. 10 | 59. 55 | 1300 | | |
| 56. 50 | 58. 30 | 1400 | | |
| | | 1500 | | |
| | | 1600 | | |
| | | 1700 | | |
| | | 1800 | | |
| | | 1900 | | |
| | | 2000 | | |
| | | 2100 | | |
| | | 2200 | | |
| | | 2300 | | |
| | | 2400 | | |

Put back clock
when sounding.

| | | |
|-----|------|--|
| | 2500 | |
| | 2600 | |
| | 2700 | |
| | 2800 | |
| | 2900 | |
| | 3000 | |
| 3-4 | 3100 | |
| | 3200 | |
| | 3300 | |
| | 3400 | |
| | 3500 | |
| | 3600 | |
| | 3700 | |
| | 3800 | |
| | 3900 | |
| | 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. 1779 H₂O Date February 27th 1889

Sigsbee Machine. Reel. 2

Turns 1672 Cor. + 104 Depth 1776

Shot or lead 35-lb

Bottom Br. M.

Bottom temperature 35

No. of Thermometer 615-88 Cor. ± 0

Corrected temperature 35

Air 60 Surface 60 Drift.

Trawl or dredge or tangles

| SOUNDING WIRE. | | TURNS. | DREDGE ROPE. | |
|----------------|----------|--------|--------------|-----|
| DOWN. | UP. | | DOWN. | UP. |
| 11.8.00 | 11.40.30 | 0 | | |
| 11.9.00 | 11.39.30 | 100 | | |
| 11.10.00 | 11.39.00 | 200 | | |
| 11.10.30 | 11.38.30 | 300 | | |
| 11.11.00 | 11.38.00 | 400 | | |
| 11.12.00 | 11.37.10 | 500 | | |
| 11.13.30 | 11.36.40 | 600 | | |
| 11.14.50 | 11.36.00 | 700 | | |
| 11.15.30 | 11.35.30 | 800 | | |
| 11.16.20 | 11.35.00 | 900 | | |
| 11.17.00 | 11.34.30 | 1000 | | |
| 11.18.00 | 11.34.00 | 1100 | | |
| 11.19.00 | 11.32.50 | 1200 | | |
| 11.20.00 | 11.31.30 | 1300 | | |
| 11.21.00 | 11.30.00 | 1400 | | |
| 11.22.00 | 11.28.00 | 1500 | | |
| 11.23.00 | 11.27.00 | 1600 | | |
| 11.23.30 | 11.26.00 | 1700 | | |
| | | 1800 | | |
| | | 1900 | | |
| | | 2000 | | |
| | | 2100 | | |
| | | 2200 | | |
| | | 2300 | | |
| | | 2400 | | |

| | | |
|-----|------|--|
| | 2500 | |
| | 2600 | |
| | 2700 | |
| | 2800 | |
| | 2900 | |
| | 3000 | |
| 8-1 | 3100 | |
| | 3200 | |
| | 3300 | |
| | 3400 | |
| | 3500 | |
| | 3600 | |
| | 3700 | |
| | 3800 | |
| | 3900 | |
| | 4000 | |

SERIAL TEMPERATURE.

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

REMARKS.

No.

Hy. 1780

Date

February 27/19

Sigsbee

Machine.

Reel.

#2.

Turns 1750 Cor. + 107

Depth 1857

Shot or Lead 35 lbs.

Bottom Br. M.

Bottom temperature 35.2

No. of Thermometer 61518 Cor. ± 0

Corrected temperature 35.2

Air 62 Surface 62 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

1-41-30

2-21-30

0

43-0

30-30

100

44-0

19-30

200

45-0

18-30

300

46-0

17-30

400

47-0

16-30

500

49-30

15-30

600

50-30

14-30

700

51-30

13-30

800

52-30

12-30

900

53-30

11-30

1000

54-30

10-30

1100

55-30

9-30

1200

57-0

8-30

1300

58-0

7-30

1400

59-30

6-30

1500

2-0-30

5-30

1600

1-30

4-30

1700

2-30

2-4-0

1750

1800

1900

2000

2100

2200

2300

2400

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

SERIAL TEMPERATURE.

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

REMARKS.

Lat. 13.

No. 16. 1781

Date Feb. 27th 1889

Sigsbee Machine. 2 Reel.

Turns 1336 Cor. + 88 Depth 1424

Shot ~~on lead~~ 35 lbs.

Bottom gy. M. S.

Bottom temperature 35.4

No. of Thermometer 61588 Cor. -0

Corrected temperature 35.4

Air 64 Surface 62 Drift.

~~Trawl or dredge or tangles~~

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

P.M.

| | | | |
|----|-------|-------|------|
| 5. | 14.30 | 44.35 | 0 |
| | 15.50 | 43.50 | 100 |
| | 17.05 | 43.15 | 200 |
| | 18.10 | 42.40 | 300 |
| | 19.30 | 42.00 | 400 |
| | 20.35 | 41.15 | 500 |
| | 21.45 | 40.30 | 600 |
| | 23.00 | 39.45 | 700 |
| | 24.20 | 39.00 | 800 |
| | 25.45 | 38.05 | 900 |
| | 27.10 | 37.15 | 1000 |
| | 28.40 | 36.20 | 1100 |
| | 30.10 | 35.25 | 1200 |
| | 31.45 | 34.25 | 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. *16* 1782 Date *Feb. 27* 1889

Sigsbee Machine. 2 Reel.

Turns *1358* Cor. + *89* Depth *1447*

Shot or lead *35 lbs.*

Bottom *gy. S.*

Bottom temperature *35.5*

No. of Thermometer *61588* Cor. *+0*

Corrected temperature *35.5*

Air *63* Surface *61* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

*P.M.**6.50.40* *21.05*

0

52.00 *20.25*

100

53.10 *19.40*

200

54.25 *19.00*

300

55.40 *18.20*

400

57.00 *17.40*

500

58.20 *16.45*

600

59.35 *15.55*

700

7.00.50 *15.05*

800

02.15 *14.10*

900

03.30 *13.10*

1000

04.50 *12.15*

1100

06.05 *11.15*

1200

07.30 *10.20*

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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

SERIAL TEMPERATURE.

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

REMARKS.

FWM
007

No. 1783 Hyd. Date Feb 28th 1889
Sanner Machine. Reel.

Turns 28 Cor. + 1 Depth 29

Shot or Lead 25-lb

Bottom gy S bk sh.

Bottom temperature none

No. of Thermometer 61588 Cor. + 0

Corrected temperature none

Air 61 Surface 61 Drift.

Trawl or dredge or tangles

10. minutes
 Fished with Navy lines. 6 lines out.
 No fish

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

7.05-

7.6.10

0

7.5.30

7.5.35-

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. 1784 Hyd. Date Feb 28th 1889

Tanner Machine. Reel.

Turns 40 Cor. + 2 Depth 42

Shot or lead 25-lb

Bottom gl. sh.

Bottom temperature 59

No. of Thermometer 615-88 Cor. 1.0

Corrected temperature 57

Air 61 Surface 61 Drift.

~~Trawl or dredge or tangles~~

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

A.M.

7.41.30

7.43.30

0

7.42.00

7.42.20

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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

SERIAL TEMPERATURE.

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

REMARKS.

No. 1785

Date Feb. 28

Hand lead

Machine.

Reel.

Turns

Cor. +

Depth 19 1/2

~~Shot~~ or lead

Bottom

Bottom temperature

No. of Thermometer

Corrected temperature

None Cor.

Air

Surface

Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

| | | |
|--|------|--|
| | 2500 | |
| | 2600 | |
| | 2700 | |
| | 2800 | |
| | 2900 | |
| | 3000 | |
| | 3100 | |
| | 3200 | |
| | 3300 | |
| | 3400 | |
| | 3500 | |
| | 3600 | |
| | 3700 | |
| | 3800 | |
| | 3900 | |
| | 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. 2983, Date February 28/89.

Sigsbee Machine. Reel. #2

Turns 54 Cor. + 4 Depth 58.

Shot or lead 25 lbs.

Bottom gy. s. & brk sh

Bottom temperature 55.8

No. of Thermometer 61588 Cor. ± 0

Corrected temperature 55.8

Air 71 Surface 61 Drift. $\frac{3}{4}$ m S.

Trawl or dredge or tangles Small Beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

11-11-30 11-14-0

0

11-17-20 11-45-0

100

21-40

41-0

200

46-0

11-39-30

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.

507
2984

No. *2984* Date *February 28/19*
annex Machine. Reel.

Turns *109* Cor. + *4* Depth *113*

Shot or lead *25 lbs.*

Bottom *gy s. brk sh.*

Bottom temperature *49.8*

No. of Thermometer *61588* Cor. *±0*

Corrected temperature *49.8*

Air *68* Surface *63* Drift. *3/4 m SW 1/2 m*

Trawl or dredge or tangles *Small Beam*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

11-28-0

51.50

0

11-50-0

27-0

49.50

11-50-0

100

24-50-0

24-0

200

12-02-15

12.21.00

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.

37

No. *2985* Date *February 28/89*

Machine. Reel.

Turns Cor. + Depth *36*

Shot or lead *Hand Lead -*

Bottom *Grk Sh. R.*

Bottom temperature

No. of Thermometer Cor.

Corrected temperature *None.*

Air *66* Surface *65* Drift. *1/8 m N x E*

Trawl or dredge or tangles *Small Beam*

| SOUNDING WIRE. | | TURNS. | <i>P.W.</i> DREDGE ROPE. | |
|----------------|-----|-----------|--------------------------|---------------|
| DOWN. | UP. | | DOWN. | UP. |
| | | 0 | <i>1-0-0</i> | <i>17-30</i> |
| | | 100 | <i>08-0</i> | |
| | | <i>20</i> | | |
| | | 200 | <i>10-30</i> | <i>1-13-0</i> |
| | | 300 | | |
| | | 400 | | |
| | | 500 | | |
| | | 600 | | |
| | | 700 | | |
| | | 800 | | |
| | | 900 | | |
| | | 1000 | | |
| | | 1100 | | |
| | | 1200 | | |
| | | 1300 | | |
| | | 1400 | | |
| | | 1500 | | |
| | | 1600 | | |
| | | 1700 | | |
| | | 1800 | | |
| | | 1900 | | |
| | | 2000 | | |
| | | 2100 | | |
| | | 2200 | | |
| | | 2300 | | |
| | | 2400 | | |

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

SERIAL TEMPERATURE.

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

REMARKS.

No.

2986

Date

February 28th 1889

Sigsbee

Machine. 2 Reel.

Turns 638

Cor. + 46

Depth 684

Shot or lead

38 lbs.

Bottom

fm. gy. S. bk. Sh. R.

Bottom temperature 38.5

No. of Thermometer 615-88

Cor. \pm 0

Corrected temperature 38.5

Air 64

Surface 64

Drift. 6 S.

Trawl or dredge or tangles

Large Beam.

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

P.M. DOWN.

UP.

DOWN.

UP.

| | | | | |
|-----------|--------|------|-----------|-----------|
| 1. 37. 30 | 51. 00 | 0 | 1. 53. 40 | 57. 00 |
| 38. 20 | 50. 10 | 100 | 58. 00 | 54. 00 |
| 39. 15 | 49. 30 | 200 | 2. 02. 30 | 51. 00 |
| 40. 15 | 48. 40 | 300 | 04. 30 | 48. 00 |
| 41. 20 | 47. 50 | 400 | 07. 30 | 45. 00 |
| 42. 25 | 46. 55 | 500 | 09. 30 | 41. 55 |
| 43. 40 | 45. 55 | 600 | 12. 30 | 38. 30 |
| | | 700 | 15. 10 | 35. 10 |
| | | 800 | 18. 40 | 28. 10 |
| | | 900 | 22. 30 | 22. 30 |
| | | 1000 | 26. 15 | 18. 30 |
| | | 1100 | 29. 20 | 14. 20 |
| | | 1200 | 32. 05 | 3. 07. 40 |
| | | 1240 | | |
| | | 1300 | 33. 00 | 45. 45 |
| | | 1400 | | |
| | | 1500 | | |
| | | 1600 | | |
| | | 1700 | | |
| | | 1800 | | |
| | | 1900 | | |
| | | 2000 | | |
| | | 2100 | | |
| | | 2200 | | |
| | | 2300 | | |
| | | 2400 | | |

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

SERIAL TEMPERATURE.

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

REMARKS.

Wm. H. 1889

No. 2987 Date *Feb 28th 1889*

Sigsbee Machine. Reel. #2

Turns 158 Cor. + 13 Depth 171

~~Shot or lead~~ 38 lb

Bottom *gy S. bk. sh. & G.*

Bottom temperature 46.3

No. of Thermometer 61588 Cor. ± 0

Corrected temperature 46.3

Air 65 Surface 63 Drift. S.W. $\frac{3}{4}$ mi

~~Trawl or dredge or tangles~~ *Small. Beam*

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

| P.M. DOWN. | | UP. | | DOWN. | | UP. |
|------------|--|---------|------|---------------------|--|---------|
| | | | | | | |
| 4.31.00 | | 4.37.20 | 0 | <i>P.M.</i> 4.38.00 | | 5.24.30 |
| 4.32.00 | | 4.36.30 | 100 | 4.42.00 | | 5.22.00 |
| 4.33.00 | | 4.35.00 | 200 | 4.50.45 | | 5.18.00 |
| | | | 300 | 4.55.30 | | 5.14.00 |
| | | | 400 | 5-0-0 | | 5.11.00 |
| | | | 500 | | | |
| | | | 600 | | | |
| | | | 700 | | | |
| | | | 800 | | | |
| | | | 900 | | | |
| | | | 1000 | | | |
| | | | 1100 | | | |
| | | | 1200 | | | |
| | | | 1300 | | | |
| | | | 1400 | | | |
| | | | 1500 | | | |
| | | | 1600 | | | |
| | | | 1700 | | | |
| | | | 1800 | | | |
| | | | 1900 | | | |
| | | | 2000 | | | |
| | | | 2100 | | | |
| | | | 2200 | | | |
| | | | 2300 | | | |
| | | | 2400 | | | |

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

SERIAL TEMPERATURE.

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

REMARKS.

No. 1786 Year Date Sept 28th 1889

Sigsbee Machine. Reel. 4 2

Turns 1050 Cor. + 71 Depth 1121

Shot or lead 35 lbs

Bottom gy M. & S.

Bottom temperature 36.

No. of Thermometer 61588 Cor. \pm 0

Corrected temperature 36

Air 61 Surface 61 Drift.

Trawl or dredge or tangles

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

| | | |
|--|------|--|
| | 2500 | |
| | 2600 | |
| | 2700 | |
| | 2800 | |
| | 2900 | |
| | 3000 | |
| | 3100 | |
| | 3200 | |
| | 3300 | |
| | 3400 | |
| | 3500 | |
| | 3600 | |
| | 3700 | |
| | 3800 | |
| | 3900 | |
| | 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
(Wm)

No. 1787 Year Date Feb 28th 1889
Sigsbee Machine. Reel.
Turns Cor. + Depth
Shot or lead
Bottom
Bottom temperature
No. of Thermometer 61588 Cor.
Corrected temperature
Air Surface Drift.
Trawl or dredge or tangles

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

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

SERIAL TEMPERATURE.

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

REMARKS.

No.

Hy 1487

Date

February 28/89

Sigsbee

Machine.

Reel.

3

Turns 1635 Cor. + 102

Depth 1737

Shot or lead 60 lbs.

Bottom gy. m.

Bottom temperature 35

No. of Thermometer 61588 Cor. ± 0

Corrected temperature 35

Air 61 Surface 61 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

8-52-30

33-45

0

53-30

28-0

100

54-30

22-15

200

55-30

21-30

300

56-30

20-45

400

57-30

20-0

500

58-30

19-15

600

59-30

18-45

700

9-0-30

18-0

800

1-30

17-15

900

2-30

16-30

1000

3-30

15-45

1100

4-30

15-

1200

5-30

14-15

1300

6-30

13-30

1400

7-30

12-45

1500

8-30

9-12-0

1600

35

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. *1788* Date *March 1st 1889**Sigsbee* Machine. *2* Reel.

Turns Cor. + Depth

Shot or lead *60 lbs.*

Bottom

Bottom temperature

No. of Thermometer *61588* Cor.

Corrected temperature

Air Surface Drift.

~~Trawl or dredge or tangles~~

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

3. 32. 40

0

33. 55

100

5. 00. 00

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

*Expended 50 fms wire**see next page*

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

SERIAL TEMPERATURE.

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

REMARKS.

Wm H
307

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

Sigsbee Machine. Reel.

Turns 2021 Cor. + 114 Depth 2135

Shot or Lead 35 lb

Bottom none

Bottom temperature none

No. of Thermometer 61588 Cor. lost.

Corrected temperature none.

Air 60 Surface 62 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

| DOWN. | UP. | TURNS. | DOWN. | UP. |
|---------|---------|--------|-------|-----|
| 5.10.00 | 6.12.00 | 0 | | |
| 5.11.00 | 6.11.00 | 100 | | |
| 5.21.00 | 6.10.30 | 200 | | |
| 5.25.00 | 6.10.00 | 300 | | |
| 5.28.00 | 6.9.30 | 400 | | |
| 5.30.00 | 6.9.00 | 500 | | |
| 5.32.00 | 6.8.30 | 600 | | |
| 5.35.00 | 6.8.00 | 700 | | |
| 5.37.30 | 6.7.30 | 800 | | |
| 5.40.00 | 6.7.00 | 900 | | |
| 5.41.00 | 6.6.00 | 1000 | | |
| 5.42.00 | 6.04.40 | 1100 | | |
| 5.43.00 | 6.03.00 | 1200 | | |
| 5.44.00 | 6.02.00 | 1300 | | |
| 5.45.00 | 6.01.00 | 1400 | | |
| 5.46.00 | 6.00.00 | 1500 | | |
| 5.47.00 | 5.59.00 | 1600 | | |
| 5.48.00 | 5.58.00 | 1700 | | |
| 5.49.00 | 5.57.00 | 1800 | | |
| 5.50.00 | 5.56.00 | 1900 | | |
| 5.51.30 | 5.54.00 | 2000 | | |
| 5.52.00 | 5.53.00 | 2100 | | |
| | | 2200 | | |
| | | 2300 | | |
| | | 2400 | | |

Expended one sounding cup

Expended Thermometer # 61588

The latter running up to the stay none

1 hour & 2 minutes taken sounding

*Temperature correct
to date.*

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
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. *411789* Date *March 1st 89**Sigsbee* Machine. Reel. *#2*Turns *1952* Cor. + *113* Depth *2065*Shot or lead *60 lbs*Bottom *34.5 br. g.*Bottom temperature *34.8*No. of Thermometer *61590* Cor. *± 0*Corrected temperature *34.8*Air *65* Surface *63* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

| | | | | |
|-----------------|----------------|-------------|--|--|
| <i>12-16-30</i> | <i>55-0</i> | <i>0</i> | | |
| <i>17-30</i> | <i>54-30</i> | <i>100</i> | | |
| <i>18-30</i> | <i>54-0</i> | <i>200</i> | | |
| <i>19-30</i> | <i>53-30</i> | <i>300</i> | | |
| <i>20-30</i> | <i>53-0</i> | <i>400</i> | | |
| <i>21-30</i> | <i>52-30</i> | <i>500</i> | | |
| <i>22-0</i> | <i>52-0</i> | <i>600</i> | | |
| <i>23-0</i> | <i>51-30</i> | <i>700</i> | | |
| <i>24-0</i> | <i>51-0</i> | <i>800</i> | | |
| <i>25-0</i> | <i>50-30</i> | <i>900</i> | | |
| <i>26-0</i> | <i>49-30</i> | <i>1000</i> | | |
| <i>27-0</i> | <i>49-0</i> | <i>1100</i> | | |
| <i>28-0</i> | <i>47-30</i> | <i>1200</i> | | |
| <i>29-0</i> | <i>46-30</i> | <i>1300</i> | | |
| <i>30-0</i> | <i>45-30</i> | <i>1400</i> | | |
| <i>31-30</i> | <i>44-30</i> | <i>1500</i> | | |
| <i>32-0</i> | <i>43-30</i> | <i>1600</i> | | |
| <i>34-0</i> | <i>42-30</i> | <i>1700</i> | | |
| <i>35-0</i> | <i>41-30</i> | <i>1800</i> | | |
| <i>36-30</i> | <i>40-30</i> | <i>1900</i> | | |
| <i>37-0</i> | <i>12-39-0</i> | <i>2000</i> | | |

*Lost end of lead.**52**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. *16. 1790* Date *March 7th 1889*

Sigsbee Machine. *2* Reel.

Turns *2010* Cor. + *114* Depth *2124*

Shot ~~on lead~~ *60 lbs.*

Bottom *br. Cy.*

Bottom temperature *34.9*

No. of Thermometer *61590* Cor. ± 0

Corrected temperature *34.9*

Air *75* Surface *65* Drift.

Trawl or dredge or tangles

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

| | | |
|--|------|--|
| | 2500 | |
| | 2600 | |
| | 2700 | |
| | 2800 | |
| | 2900 | |
| | 3000 | |
| | 3100 | |
| | 3200 | |
| | 3300 | |
| | 3400 | |
| | 3500 | |
| | 3600 | |
| | 3700 | |
| | 3800 | |
| | 3900 | |
| | 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. 1791 Hyd. Date March 2nd 89
 Sigbee Machine. Reel. 2
 Turns 2050 Cor. + 115 Depth 2165
 Shot or lead 60 lb
 Bottom B w m.
 Bottom temperature 35
 No. of Thermometer 61590 Cor. ± 0
 Corrected temperature 35
 Air 65 Surface 64 Drift.
 Trawl or dredge or tangles

| SOUNDING WIRE. | | TURNS. | DREDGE ROPE. | |
|----------------|---------|--------|--------------|-----|
| DOWN. | UP. | | DOWN. | UP. |
| 2.19-05 | 3.90.30 | 0 | | |
| 2.20.50 | 3.7.30 | 100 | | |
| 2.21.00 | 3.7.00 | 200 | | |
| 2.22.00 | 3.8.00 | 300 | | |
| 2.23.00 | 3.7.00 | 400 | | |
| 2.24.00 | 3.6.00 | 500 | | |
| 2.25.00 | 3.5.00 | 600 | | |
| 2.26.00 | 3.4.00 | 700 | | |
| 2.27.00 | 3.3.00 | 800 | | |
| 2.28.00 | 3.02.00 | 900 | | |
| 2.29.00 | 3.00.00 | 1000 | | |
| 2.30.00 | 2.58.30 | 1100 | | |
| 2.31.00 | 2.57.00 | 1200 | | |
| 2.32.00 | 2.55.00 | 1300 | | |
| 2.33.30 | 2.53.00 | 1400 | | |
| 2.35.00 | 2.51.30 | 1500 | | |
| 2.36.00 | 2.49.30 | 1600 | | |
| 2.37.30 | 2.48.00 | 1700 | | |
| 2.38.50 | 2.47.00 | 1800 | | |
| 2.40.00 | 2.46.00 | 1900 | | |
| 2.41.40 | 2.45.00 | 2000 | | |
| 2.43.00 | 2.44.30 | 2100 | | |
| | | 2200 | | |
| | | 2300 | | |
| | | 2400 | | |

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

SERIAL TEMPERATURE.

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

REMARKS.

No.

Hy 1792.

Date

March 2/89

Sigsbee

Machine.

Reel.

#2

Turns

2017

Cor. +

114

Depth

2131.

Shot or lead

60 lbs.

Bottom

fr oz.

Bottom temperature

34.9

No. of Thermometer

61590

Cor.

± 0

Corrected temperature

34.9

Air

64

Surface

64

Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

5-54-30

37-30

0

55-30

36-0

100

56-30

35-0

200

57-15

34-0

300

58-0

33-0

400

59-0

32-0

500

60-0-0

31-0

600

1-0

30-0

700

2-0

29-0

800

2-45

28-0

900

3-30

27-0

1000

4-30

26-0

1100

5-30

25-0

1200

6-45

24-0

1300

7-30

23-0

1400

8-30

22-0

1500

9-45

21-0

1600

11-0

20-0

1700

12-30

19-0

1800

13-30

18-0

1900

15-0

6-17-0

2000

2100

2200

2300

2400

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

SERIAL TEMPERATURE.

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

REMARKS.

13.

No. 1793 Date March 2nd 1889
 Sigbee Machine. 2 Reel.

Turns 1260 Cor. + 83 Depth 1343

Shot or lead 60 lbs.

Bottom br. M. S.

Bottom temperature 35.4

No. of Thermometer 61590 Cor. ± 0

Corrected temperature 35.4

Air 66 Surface 64 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

J.M. DOWN.

UP.

DOWN.

UP.

| | | | |
|-----|--------|--------|------|
| 8. | 13. 40 | 36. 15 | 0 |
| 14. | 25 | 35. 40 | 100 |
| 15. | 05 | 35. 05 | 200 |
| 15. | 50 | 34. 25 | 300 |
| 16. | 40 | 33. 45 | 400 |
| 17. | 25 | 33. 00 | 500 |
| 18. | 20 | 32. 15 | 600 |
| 19. | 10 | 31. 30 | 700 |
| 20. | 05 | 30. 45 | 800 |
| 21. | 00 | 30. 00 | 900 |
| 22. | 00 | 29. 05 | 1000 |
| 23. | 00 | 28. 05 | 1100 |
| 24. | 00 | 26. 50 | 1200 |
| 24. | 45 | 26. 15 | 1300 |
| | | | 1400 |
| | | | 1500 |
| | | | 1600 |
| | | | 1700 |
| | | | 1800 |
| | | | 1900 |
| | | | 2000 |
| | | | 2100 |
| | | | 2200 |
| | | | 2300 |
| | | | 2400 |

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

SERIAL TEMPERATURE.

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

REMARKS.

No.

2988

Date

March 2" '89.

Sigsbee

Machine. 2 Reel.

Turns 32 Cor. + 2 Depth 34

Shot or lead 38 lbs

Bottom coralline

Bottom temperature 63.9

No. of Thermometer 61590 Cor. \mp . 2

Corrected temperature 64.1

Air 66 Surface 64.5 Drift. .3 SW $\frac{1}{2}$ W

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

9. 10. 40

12. 00

0

50

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

9. 38. 00

17. 50

39. 40

46. 20

brang

Took photograph, South Rock, S.E. (ing) 1/2 mi.

Put over 11 fishing lines
Caught nothing

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

SERIAL TEMPERATURE.

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

REMARKS.

No.

2989

Date

March 2nd 1889

Tanner

Machine.

Reel.

Turns 35

Cor. +

1

Depth 36

Shot or lead

25 lb

Bottom

coralline

Bottom temperature 64.3

No. of Thermometer 61590

Cor. + .2

Corrected temperature

64.5

Air 64

Surface

64.6 Drift. $\frac{1}{4}$ m. SSM

Trawl or dredge or tangles ship's

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

A.M.

9.57.00 52.05

9.52.00 10.00

60

56.30 10.06.00

~~100~~

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

No.

2990

Date

March 2nd 1889

Tanner

Machine.

Reel.

Turns 46 Cor. + 2

Depth 48

Shot or lead 25-lbs.

Bottom coralline

Bottom temperature 63.6

No. of Thermometer 615-90 Cor. + 2

Corrected temperature 63.8

Air 64

Surface

65 Drift, 15 S x W 1/4 W

Trawl or dredge or tangles Small Bram

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

A. M.

A. M.

10.09.15

10.30

0

10.15.00

48.30

100

22.00

30.15

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

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.

1794

Date

March 2nd 1889

Tanner

Machine.

Reel.

Turns 53 Cor. + 2

Depth 55

~~Shot or lead~~ 25 lbs.

Bottom

G. & coarse line.

Bottom temperature

64.5

No. of Thermometer

61590 Cor. +.2

Corrected temperature

64.4

Air

64

Surface

65

Drift.

~~Trawl or dredge or tangles~~

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

a.m.

11.09.45

11.02

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

| | | |
|--|------|--|
| | 2500 | |
| | 2600 | |
| | 2700 | |
| | 2800 | |
| | 2900 | |
| | 3000 | |
| | 3100 | |
| | 3200 | |
| | 3300 | |
| | 3400 | |
| | 3500 | |
| | 3600 | |
| | 3700 | |
| | 3800 | |
| | 3900 | |
| | 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.

1795 Date March 2nd 1889

Machine. 2 Reel.

Turns 459 Cor. + 34 Depth 493

Shot or lead 38 lbs.

Bottom R. M. S.

Bottom temperature 40.3

No. of Thermometer 61590 Cor. +.2

Corrected temperature 40.5

Air 64 Surface 65 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

H. M.

11. 29. 00 38. 40 0

29. 50 37. 50 100

30. 40 37. 10 200

31. 40 36. 20 300

32. 45 35. 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 | | | | |
| 900 | | | | |
| 1000 | | | | |

REMARKS.

W.M.N.
307

No. 17964y Date March 2nd 1889

Sigsbee Machine. Reel. X 2

Turns 1250 Cor. + 62 Depth 1312

Shot or lead 35 lbs

Bottom br. M. & S.

Bottom temperature 35.4

No. of Thermometer 61590 Cor. ± 0

Corrected temperature 35.4

Air 65 Surface 65 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

| | | |
|----------|----------|------|
| 12.1.30 | 12.26.30 | 0 |
| 12.2.30 | 12.25.00 | 100 |
| 12.3.00 | 12.24.00 | 200 |
| 12.4.00 | 12.23.00 | 300 |
| 12.5.00 | 12.22.30 | 400 |
| 12.6.00 | 12.22.00 | 500 |
| 12.7.00 | 12.21.50 | 600 |
| 12.8.00 | 12.21.00 | 700 |
| 12.9.00 | 12.20.30 | 800 |
| 12.10.00 | 12.20.00 | 900 |
| 12.12.00 | 12.19.00 | 1000 |
| 12.13.00 | 12.18.00 | 1100 |
| 12.14.30 | 12.17.00 | 1200 |
| 12.15.00 | 12.16.00 | 1300 |
| | | 1400 |
| | | 1500 |
| | | 1600 |
| | | 1700 |
| | | 1800 |
| | | 1900 |
| | | 2000 |
| | | 2100 |
| | | 2200 |
| | | 2300 |
| | | 2400 |

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

SERIAL TEMPERATURE.

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

REMARKS.

Wm H
807

No. 1797 Hyd. Date Mar. 2

Sigsbee Machine. Reel. #2

Turns 2016 Cor. + 115 Depth 2131

Shot or lead 60 lb

Bottom M. s. m. m.

Bottom temperature 34.9

No. of Thermometer 61590 Cor. ± 0

Corrected temperature 34.9

Air 67 Surface 66 Drift.

Trawl or dredge or tangles

| SOUNDING WIRE. | | TURNS. | DREDGE ROPE. | |
|----------------|----------|--------|--------------|-----|
| DOWN. | UP. | | DOWN. | UP. |
| 2, 12.00 | 2, 55.30 | 0 | | |
| 2, 13.00 | 2, 54.00 | 100 | | |
| 2, 14.00 | 2, 53.00 | 200 | | |
| 2, 14.30 | 2, 52.00 | 300 | | |
| 2, 15.00 | 2, 51.00 | 400 | | |
| 2, 15.45 | 2, 50.00 | 500 | | |
| 2, 16.30 | 2, 49.30 | 600 | | |
| 2, 17.00 | 2, 49.00 | 700 | | |
| 2, 18.00 | 2, 48.30 | 800 | | |
| 2, 19.00 | 2, 48.00 | 900 | | |
| 2, 20.30 | 2, 47.00 | 1000 | | |
| 2, 22.00 | 2, 46.00 | 1100 | | |
| 2, 23.30 | 2, 45.00 | 1200 | | |
| 2, 25.00 | 2, 44.00 | 1300 | | |
| 2, 26.00 | 2, 43.00 | 1400 | | |
| 2, 27.00 | 2, 42.00 | 1500 | | |
| 2, 28.50 | 2, 41.00 | 1600 | | |
| 2, 30.00 | 2, 40.00 | 1700 | | |
| 2, 31.30 | 2, 39.00 | 1800 | | |
| 2, 33.00 | 2, 38.00 | 1900 | | |
| 2, 34.30 | 2, 37.00 | 2000 | | |
| 2, 35.00 | 2, 36.30 | 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. *1798* Date *March 29/89**Sigsbee* Machine. Reel. *#2*Turns *2005* Cor. + *114* Depth *2119*Shot or lead *60 lbs.*Bottom *Gr m*Bottom temperature *35*No. of Thermometer *61590* Cor. *± 0*Corrected temperature *35*Air *66* Surface *65* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

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

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

SERIAL TEMPERATURE.

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

REMARKS.

No. *1799* Date *March 3rd 1889*
Seiber Machine. *2* Reel.

Turns *2052* Cor. + *115* Depth *2167*

Shot or Lead *60 lbs.*

Bottom *br. G.*

Bottom temperature *34.9*

No. of Thermometer *61590* Cor. ± 0

Corrected temperature *34.9*

Air *67* Surface *66* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

| | | | |
|-----------|---------------|--------------|-------------|
| <i>3.</i> | <i>10. 35</i> | <i>52.40</i> | <i>0</i> |
| | <i>11. 35</i> | <i>51.55</i> | <i>100</i> |
| | <i>12. 30</i> | <i>51.20</i> | <i>200</i> |
| | <i>13. 30</i> | <i>50.40</i> | <i>300</i> |
| | <i>14. 20</i> | <i>50.00</i> | <i>400</i> |
| | <i>15. 15</i> | <i>49.15</i> | <i>500</i> |
| | <i>16. 15</i> | <i>48.30</i> | <i>600</i> |
| | <i>17. 10</i> | <i>47.40</i> | <i>700</i> |
| | <i>18. 05</i> | <i>46.50</i> | <i>800</i> |
| | <i>19. 05</i> | <i>46.00</i> | <i>900</i> |
| | <i>20. 05</i> | <i>45.15</i> | <i>1000</i> |
| | <i>21. 05</i> | <i>44.20</i> | <i>1100</i> |
| | <i>22. 10</i> | <i>43.25</i> | <i>1200</i> |
| | <i>23. 15</i> | <i>42.30</i> | <i>1300</i> |
| | <i>24. 20</i> | <i>41.35</i> | <i>1400</i> |
| | <i>25. 25</i> | <i>40.40</i> | <i>1500</i> |
| | <i>26. 35</i> | <i>39.40</i> | <i>1600</i> |
| | <i>27. 45</i> | <i>38.40</i> | <i>1700</i> |
| | <i>29. 00</i> | <i>37.30</i> | <i>1800</i> |
| | <i>30. 15</i> | <i>36.25</i> | <i>1900</i> |
| | <i>31. 30</i> | <i>35.00</i> | <i>2000</i> |
| | | | <i>2100</i> |
| | | | <i>2200</i> |
| | | | <i>2300</i> |
| | | | <i>2400</i> |

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

SERIAL TEMPERATURE.

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

REMARKS.

Wm H
807

No. 1800 Hyd. Date March 3rd 1889

Sigsbee Machine. Reel. #2

Turns 2160 Cor. + 120 Depth 2280

Shot ~~and lead~~ 60 lb

Bottom br M.

Bottom temperature 35

No. of Thermometer 61590 Cor. ± 0

Corrected temperature 35

Air 67 Surface 67 Drift.

Trawl or dredge or tangles

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

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

SERIAL TEMPERATURE.

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

REMARKS.

No. *Hyd 1801* Date *March 3^d 89.**Sigsbee* Machine. Reel. *#2*Turns *1740* Cor. + *105* Depth *1845*Shot or lead *60 lbs.*Bottom *br m*Bottom temperature *35*No. of Thermometer *61590* Cor. ± 0 Corrected temperature *35*Air *72* Surface *71* Drift.

Trawl or dredge or tangles

| SOUNDING WIRE. | | TURNS. | DREDGE ROPE. | |
|----------------|--------------|--------|--------------|-----|
| DOWN. | UP. | | DOWN. | UP. |
| <i>4-03-0</i> | <i>36-0</i> | 0 | | |
| <i>04-0</i> | <i>35-15</i> | 100 | | |
| <i>05-0</i> | <i>34-40</i> | 200 | | |
| <i>05-30</i> | <i>34-0</i> | 300 | | |
| <i>06-20</i> | <i>33-15</i> | 400 | | |
| <i>07-15</i> | <i>32-30</i> | 500 | | |
| <i>08-15</i> | <i>32-0</i> | 600 | | |
| <i>09-0</i> | <i>31-15</i> | 700 | | |
| <i>09-45</i> | <i>30-30</i> | 800 | | |
| <i>11-0</i> | <i>29-30</i> | 900 | | |
| <i>11-45</i> | <i>28-45</i> | 1000 | | |
| <i>13-0</i> | <i>28-0</i> | 1100 | | |
| <i>14-0</i> | <i>27-0</i> | 1200 | | |
| <i>15-0</i> | <i>26-0</i> | 1300 | | |
| <i>16-0</i> | <i>25-0</i> | 1400 | | |
| <i>17-0</i> | <i>24-0</i> | 1500 | | |
| <i>18-0</i> | <i>23-0</i> | 1600 | | |
| <i>19-30</i> | <i>22-0</i> | 1700 | | |
| <i>20-0</i> | <i>21-30</i> | 1800 | | |
| | | 1900 | | |
| | | 2000 | | |
| | | 2100 | | |
| | | 2200 | | |
| | | 2300 | | |
| | | 2400 | | |

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

SERIAL TEMPERATURE.

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

REMARKS.

No.

1802

Date

March 3rd 1889

Sigsbee

Machine. 2 Reel.

Turns 1959 Cor. + 113

Depth 2072

Shot or lead 60 lbs.

Bottom br. G.

Bottom temperature 35.0

No. of Thermometer 61590 Cor. ± 0

Corrected temperature 35

Air 68 Surface 69 Drift.

Trawl or dredge or tangles.

| SOUNDING WIRE. | | TURNS. | DREDGE ROPE. | |
|----------------|----------|--------|--------------|-----|
| P.M. DOWN. | UP. | | DOWN. | UP. |
| 10. 28.50 | 07.25 | 0 | | |
| 29.50 | 06.40 | 100 | | |
| 30.45 | 06.05 | 200 | | |
| 31.35 | 05.25 | 300 | | |
| 32.30 | 04.45 | 400 | | |
| 33.20 | 04.05 | 500 | | |
| 34.15 | 03.30 | 600 | | |
| 35.15 | 02.35 | 700 | | |
| 36.10 | 01.50 | 800 | | |
| 37.10 | 01.05 | 900 | | |
| 38.10 | 11.00.15 | 1000 | | |
| 39.10 | 59.25 | 1100 | | |
| 40.15 | 58.35 | 1200 | | |
| 41.20 | 57.50 | 1300 | | |
| 42.25 | 56.55 | 1400 | | |
| 43.35 | 55.55 | 1500 | | |
| 44.40 | 55.00 | 1600 | | |
| 45.50 | 54.00 | 1700 | | |
| 47.05 | 52.55 | 1800 | | |
| 48.15 | 51.35 | 1900 | | |
| | | 2000 | | |
| | | 2100 | | |
| | | 2200 | | |
| | | 2300 | | |
| | | 2400 | | |

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

SERIAL TEMPERATURE.

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

REMARKS.

W. M. 1007

No. 1803 Hyd. Date March 4th 1889

Sigsbee Machine. Reel. #2

Turns 1920 Cor. + 112 Depth 2032

Shot or lead 60 lbs

Bottom Br M.

Bottom temperature 34.9

No. of Thermometer 61590 Cor. ± 0

Corrected temperature 34.9

Air 67 Surface 69 Drift.

Trawl or dredge or tangles

| SOUNDING WIRE. | | TURNS. | DREDGE ROPE. | |
|----------------|-----------|--------|--------------|-----|
| W. M. DOWN. | W. M. UP. | | DOWN. | UP. |
| 5.05-24 | 5.48.00 | 0 | | |
| " - 07-25 | 5.47.00 | 100 | | |
| " - 08-55 | 5.46.30 | 200 | | |
| " - 09-45 | 5.46.00 | 300 | | |
| " - 10-45 | 5.45.30 | 400 | | |
| 11. 45 | 5.45.00 | 500 | | |
| 5. 13. 00 | 5.44.30 | 600 | | |
| 5. 14. 00 | 5.44.00 | 700 | | |
| 5. 15. 00 | 5.43.00 | 800 | | |
| 5. 16. 00 | 5.42.00 | 900 | | |
| 5. 17. 00 | 5.41.00 | 1000 | | |
| 5. 18. 00 | 5.40.00 | 1100 | | |
| 5. 19. 00 | 5.39.00 | 1200 | | |
| 5. 20. 00 | 5.38.30 | 1300 | | |
| 5. 21. 00 | 5.38.00 | 1400 | | |
| 5. 22. 00 | 5.37.30 | 1500 | | |
| 5. 23. 00 | 5.37.00 | 1600 | | |
| 5. 24. 30 | 5.36.00 | 1700 | | |
| 5. 26. 30 | 5.35.00 | 1800 | | |
| 5. 30. 00 | 5.32.30 | 1900 | | |
| 5. 30.30 | 5.33.00 | 2000 | | |
| | | 2100 | | |
| | | 2200 | | |
| | | 2300 | | |
| | | 2400 | | |

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

SERIAL TEMPERATURE.

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

REMARKS.

No. *Hy 804* Date *March 4th 89.**Sigsbee* Machine. Reel. *#2*Turns *1818* Cor. + *107* Depth *1925*Shot or lead *60 lbs.*Bottom *fine bk. S.*Bottom temperature *35.*No. of Thermometer *61590* Cor. *± 0*Corrected temperature *35*Air *70* Surface *70* Drift.

Trawl or dredge or tangles

| SOUNDING WIRE. | | TURNS. | DREDGE ROPE. | |
|----------------|-----------------|--------|--------------|-----|
| DOWN. | UP. | | DOWN. | UP. |
| <i>11-28-0</i> | <i>3-45</i> | 0 | | |
| <i>29-0</i> | <i>3-0</i> | 100 | | |
| <i>30-0</i> | <i>2-15</i> | 200 | | |
| <i>31-0</i> | <i>1-30</i> | 300 | | |
| <i>31-45</i> | <i>1-0</i> | 400 | | |
| <i>32-30</i> | <i>12-0-15</i> | 500 | | |
| <i>33-15</i> | <i>59-30</i> | 600 | | |
| <i>34-0</i> | <i>58-45</i> | 700 | | |
| <i>35-0</i> | <i>58-0</i> | 800 | | |
| <i>36-0</i> | <i>57-15</i> | 900 | | |
| <i>36-45</i> | <i>56-30</i> | 1000 | | |
| <i>37-45</i> | <i>55-30</i> | 1100 | | |
| <i>39-0</i> | <i>54-45</i> | 1200 | | |
| <i>40-0</i> | <i>53-45</i> | 1300 | | |
| <i>41-0</i> | <i>52-45</i> | 1400 | | |
| <i>42-0</i> | <i>51-45</i> | 1500 | | |
| <i>43-30</i> | <i>50-45</i> | 1600 | | |
| <i>44-30</i> | <i>49-30</i> | 1700 | | |
| <i>46-0</i> | <i>48-0</i> | 1800 | | |
| <i>46-3</i> | <i>11-47-45</i> | 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.

1805

Date

March 4th 1889

Sigsbee Machine. 2 Reel.

Turns 1627 Cor. + 105 Depth 1733

Shot or lead 35 lbs.

Bottom gy. S. G.

Bottom temperature 35

No. of Thermometer 61590 Cor. ± 0

Corrected temperature 35

Air 72 Surface 71 Drift.

~~Trawl or dredge or tangles~~

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

P.M. DOWN.

UP.

DOWN.

UP.

| | | |
|----------|-------|------|
| 1. 24.50 | 59.30 | 0 |
| 25.55 | 58.55 | 100 |
| 26.55 | 58.15 | 200 |
| 28.00 | 57.40 | 300 |
| 28.55 | 57.00 | 400 |
| 30.00 | 56.15 | 500 |
| 31.10 | 55.45 | 600 |
| 33.20 | 54.50 | 700 |
| 33.30 | 54.05 | 800 |
| 34.40 | 53.20 | 900 |
| 36.00 | 52.35 | 1000 |
| 37.20 | 51.35 | 1100 |
| 38.40 | 50.45 | 1200 |
| 40.05 | 49.50 | 1300 |
| 41.30 | 48.40 | 1400 |
| 43.05 | 47.35 | 1500 |
| 44.20 | 46.25 | 1600 |
| | | 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.

1806

Date

March 4th 1889.

Sigsbee Machine. 2 Reel.

Turns 260 Cor. + 21 Depth 281

Shot or lead 35 lbs.

Bottom bk S.

Bottom temperature 46.2

No. of Thermometer 61590 Cor. +.2

Corrected temperature 46.4

Air 71 Surface 71 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

P.M.

DOWN.

UP.

DOWN.

UP.

2. 45. 50 51. 20 0

46. 50 50. 40 100

47. 50 50. 05 200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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

SERIAL TEMPERATURE.

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

REMARKS.

W.H. 607

No. 2991. Dredge Date March 6th 1889

Sigsbee Machine. Reel. A 2

Turns 315 Cor. + 26 Depth 341

Shot or lead 35 lbs

Bottom none

Bottom temperature none

No. of Thermometer 61590 Cor. lost.

Corrected temperature none

Air 75 Surface 72 Drift. ^{1 1/4 mile} S W x W 1/2 W

Trawl or dredge or tangles large Beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

| | | | | |
|---------|---------|------|----------|----------|
| 9.55:00 | | 0 | 10.6.30 | 11.19.00 |
| 9.56.30 | | 100 | 10.10.00 | 11.17.00 |
| 9.57.30 | 10.1.30 | 200 | 10.4.40 | 11.14.00 |
| 9.58.30 | 10.0.30 | 300 | 10.17.53 | 11.10.00 |
| 9.59.00 | 10.0.0 | 400 | 10.21.00 | 11.7.30 |
| | | 500 | 10.24.23 | 11.5.30 |
| | | 600 | 10.27.25 | 11.3.00 |
| | | 700 | 10.31.00 | 11.00.00 |
| | | 750 | 10.45.00 | 10.57.00 |
| | | 800 | | |
| | | 900 | | |
| | | 1000 | | |
| | | 1100 | | |
| | | 1200 | | |
| | | 1300 | | |
| | | 1400 | | |
| | | 1500 | | |
| | | 1600 | | |
| | | 1700 | | |
| | | 1800 | | |
| | | 1900 | | |
| | | 2000 | | |
| | | 2100 | | |
| | | 2200 | | |
| | | 2300 | | |
| | | 2400 | | |

180 fms Wire
1.35 lbs lead.
1. Thermometer # 61590

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

SERIAL TEMPERATURE.

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

REMARKS.

No. 2992 Date March 6th 1889

Sigsbee Machine. Reel. $\star 2$

Turns 430 Cor. + 30 Depth 460

~~Shot or lead~~ 38 lbs

Bottom M.S. - R.

Bottom temperature 41.8

No. of Thermometer 61755 Cor. ± 0

Corrected temperature 41.8

Air 71 Surface 72 Drift. $\frac{1}{4}$ m N $\frac{1}{2}$ E

Trawl or dredge or tangles Large Beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

NEW DREDGE ROPE.

DOWN.

POW UP.

| | | | | |
|----------|----------|------|----------|----------|
| 11.28.30 | 11.38.00 | 0 | 11.42.00 | 15-0 |
| 11.29.30 | 11.37.00 | 100 | 11.48.00 | 13-0 |
| 11.30.30 | 11.36.30 | 200 | 11.51.30 | 10-0 |
| 11.31.30 | 11.36.00 | 300 | 11.55.00 | 7-0 |
| 11.33.00 | 11.35.20 | 400 | 11.59.00 | 1-4-0 |
| 11.33.30 | 11.35.00 | 500 | 12.2.00 | 59-0 |
| | | 600 | 12.4.00 | 55-0 |
| | | 700 | 12.8.00 | 49-45 |
| | | 800 | 12.12.00 | 35-45 |
| | | 900 | 15-0 | 32-0 |
| | | 1000 | 18.40 | 12-24-30 |
| | | 1100 | | |
| | | 1200 | | |
| | | 1300 | | |
| | | 1400 | | |
| | | 1500 | | |
| | | 1600 | | |
| | | 1700 | | |
| | | 1800 | | |
| | | 1900 | | |
| | | 2000 | | |
| | | 2100 | | |
| | | 2200 | | |
| | | 2300 | | |
| | | 2400 | | |

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

SERIAL TEMPERATURE.

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

REMARKS.

No.

2993.

Date

March 6th 89.

Machine.

Machine.

Reel.

#2.

Turns

340

Cor. +

24

Depth

364

~~Shot or lead~~

38 lbs.

Bottom

~~455~~

gy. S. brk. Sh.

Bottom temperature

~~44.8~~

43.5

No. of Thermometer

61755

Cor.

± 0

Corrected temperature

43.5

Air

72

Surface

72

Drift.

1/4 m. N. by E.

Trawl or dredge or tangles

Large Beann.

SOUNDING WIRE.

DOWN.

UP.

1-24-30

33-30

26-0

33-0

27-15

32-30

28-30

32-0

29-0

1-31-0

TURNS.

Paw

DREDGE ROPE.

DOWN.

UP.

0

1-55-0

46-0

100

59-0

44-0

200

2-2-0

40-30

300

5-0

35-0

400

8-0

31-0

500

11-30

28-15

600

16-40

2-25-0

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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

SERIAL TEMPERATURE.

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

REMARKS.

No.

2994

Date

March 6th 89.

Machine.

Reel.

#2.

Turns 50. Cor. + 4.

Depth 54.

Shot or lead 38 lbs.

Bottom

Gr. Co.

Bottom temperature

67.6

No. of Thermometer

61755.

Cor. ± 0

Corrected temperature

67.6

Air

72.

Surface

72.

Drift.

3/8 mi. E by S.

Trawl or dredge or tangles

Ship's Dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

2-58-30

3-0-30

0

3-06-30

24-0

59-0

2-59-30

100⁷⁴

10-15

3-21-45

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

| | | |
|--|------|--|
| | 2500 | |
| | 2600 | |
| | 2700 | |
| | 2800 | |
| | 2900 | |
| | 3000 | |
| | 3100 | |
| | 3200 | |
| | 3300 | |
| | 3400 | |
| | 3500 | |
| | 3600 | |
| | 3700 | |
| | 3800 | |
| | 3900 | |
| | 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.

2995

Date

March 6th 89.

Machine.

Reel.

Turns

30

Cor. +

1

Depth

31

Shot or lead

25 lbs

Bottom

gy S. G. L. Co.

Bottom temperature

68.4

No. of Thermometer

61755 Cor. ± 0 .

Corrected temperature

68.4

Air

72

Surface

72

Drift.

3/4 NW 1/4 E 1/4

Trawl or dredge or tangles

Ship's Dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

3-31-0

32-30

0

3-32-0

16-30

31-15

3-31-30

100

36-15

3-45-0

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.

1807

Date

March 6th 1899

Sigsbee

Machine. 2 Reel.

Turns 610 Cor. + 41

Depth 651

Shot or lead 35 lbs.

Bottom

Gk & Co. S. Glob.

Bottom temperature

39.8

No. of Thermometer 61755

Cor. \pm 0

Corrected temperature

39.8

Air

71

Surface

70

Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

| P. M. | SOUNDING WIRE. | | TURNS. | DREDGE ROPE. | |
|-------|----------------|-------|--------|--------------|-----|
| | DOWN. | UP. | | DOWN. | UP. |
| 6-32. | 45 | 45.10 | 0 | | |
| 33. | 50 | 44.30 | 100 | | |
| 34. | 55 | 43.55 | 200 | | |
| 36. | 00 | 43.10 | 300 | | |
| 37. | 05 | 42.25 | 400 | | |
| 38. | 15 | 41.40 | 500 | | |
| 39. | 30 | 40.40 | 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 | | | | |

REMARKS.

Wm H
507

No. 1808 Hyd. Date March. 6-89

Sigsbee Machine. Reel. # 2

Turns 1885 Cor. + 102 Depth 1987

Shot or lead 60 lbs

Bottom M.

Bottom temperature 35.3

No. of Thermometer 61753 - Cor. ± 0

Corrected temperature 35.3

Air 71 Surface 74 Drift.

Trawl or dredge or tangles

| SOUNDING WIRE. | | TURNS. | DREDGE ROPE. | |
|----------------|---------|--------|--------------|-----|
| P. M. DOWN. | UP. | | DOWN. | UP. |
| 8.44.00 | 9.20.45 | 0 | | |
| 8.45.00 | 9.20.00 | 100 | | |
| 8.45.30 | 9.19.00 | 200 | | |
| 8.46.00 | 9.18.00 | 300 | | |
| 8.46.30 | 9.17.00 | 400 | | |
| 8.47.00 | 9.16.00 | 500 | | |
| 8.47.30 | 9.15.00 | 600 | | |
| 8.48.30 | 9.14.30 | 700 | | |
| 8.50.00 | 9.14.00 | 800 | | |
| 8.51.00 | 9.13.30 | 900 | | |
| 8.52.00 | 9.13.00 | 1000 | | |
| 8.53.30 | 9.12.00 | 1100 | | |
| 8.54.30 | 9.11.00 | 1200 | | |
| 8.55.30 | 9.10.00 | 1300 | | |
| 8.56.30 | 9.9.00 | 1400 | | |
| 8.57.30 | 9.8.00 | 1500 | | |
| 8.58.30 | 9.7.00 | 1600 | | |
| 8.59.30 | 9.6.00 | 1700 | | |
| 9.1.00 | 9.5.00 | 1800 | | |
| 9.2.30 | 9.4.00 | 1900 | | |
| | | 2000 | | |
| | | 2100 | | |
| | | 2200 | | |
| | | 2300 | | |
| | | 2400 | | |

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

SERIAL TEMPERATURE.

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

REMARKS.

No.

Date

Hyd 1809

March 7th / 89

Sigsbee

Machine.

Reel.

#2

Turns 1906

Cor. +

102

Depth

2008

Shot or lead

60 lbs.

Bottom

Gr. M.

Bottom temperature

35.1

No. of Thermometer

61455

Cor. \pm 0

Corrected temperature

35.1

Air

70

Surface

72

Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

1-0-30

40-45

0

1-30

40-0

100

2-30

39-15

200

3-30

38-45

300

4-30

38-0

400

5-30

37-15

500

6-30

36-30

600

7-30

35-45

700

8-0

35-0

800

9-0

34-15

900

9-45

33-30

1000

11-0

32-0

1100

12-0

31-0

1200

12-45

30-0

1300

13-30

29-0

1400

15-00

28-0

1500

16-0

27-0

1600

17-0

26-0

1700

18-0

25-0

1800

18-30

1-22-0

1900

2000

2100

2200

2300

2400

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

SERIAL TEMPERATURE.

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

REMARKS.

No.

1810

Date

March 7 '81

Sigsbee Machine. 2 Reel.

Turns 1910 Cor. + 102 Depth 2012

Shot or lead 60 lbs

Bottom br. M.

Bottom temperature 36.4

No. of Thermometer 61755 Cor. ± 0

Corrected temperature 36.4

Air 69 Surface 72 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

| DOWN. | UP. | TURNS. |
|-----------|--------|--------|
| 5. 23. 35 | 01. 50 | 0 |
| 24. 20 | 01. 10 | 100 |
| 25. 10 | 00. 40 | 200 |
| 25. 50 | 59. 55 | 300 |
| 26. 45 | 59. 15 | 400 |
| 27. 40 | 58. 30 | 500 |
| 28. 35 | 57. 50 | 600 |
| 29. 30 | 57. 05 | 700 |
| 30. 25 | 56. 20 | 800 |
| 31. 20 | 55. 30 | 900 |
| 32. 15 | 54. 40 | 1000 |
| 33. 15 | 53. 50 | 1100 |
| 34. 10 | 53. 00 | 1200 |
| 35. 10 | 52. 05 | 1300 |
| 36. 15 | 51. 15 | 1400 |
| 37. 20 | 50. 20 | 1500 |
| 38. 25 | 49. 25 | 1600 |
| 39. 30 | 48. 20 | 1700 |
| 40. 40 | 47. 25 | 1800 |
| 41. 50 | 46. 10 | 1900 |
| | | 2000 |
| | | 2100 |
| | | 2200 |
| | | 2300 |
| | | 2400 |

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

SERIAL TEMPERATURE.

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

REMARKS.

Firm H
507

No. *1811* H₂O Date *March 7th 89*

Sigsbee Machine. *2* Reel.

Turns *1850* Cor. + *101* Depth *1951*

Shot or lead *60 lb*

Bottom *B. M.*

Bottom temperature *35.3*

No. of Thermometer *61755* Cor. ± 0

Corrected temperature *35.3*

Air *71* Surface *73* Drift.

~~Trawl or dredge or tangles~~

| SOUNDING WIRE. | | TURNS. | DREDGE ROPE. | |
|---------------------|----------|--------|--------------|-----|
| DOWN. | UP. | | DOWN. | UP. |
| <i>A.M.</i> 9.41.00 | 10.18.00 | 0 | | |
| 9.42.00 | 10.17.00 | 100 | | |
| 9.43.00 | 10.16.00 | 200 | | |
| 9.44.30 | 10.15.00 | 300 | | |
| 9.46.30 | 10.14.00 | 400 | | |
| 9.46.00 | 10.13.00 | 500 | | |
| 9.46.30 | 10.12.30 | 600 | | |
| 9.47.00 | 10.12.00 | 700 | | |
| 9.48.00 | 10.11.30 | 800 | | |
| 9.49.00 | 10.11.00 | 900 | | |
| 9.50.00 | 10.10.00 | 1000 | | |
| 9.51.00 | 10.9.00 | 1100 | | |
| 9.52.00 | 10.8.00 | 1200 | | |
| 9.53.00 | 10.7.00 | 1300 | | |
| 9.54.00 | 10.6.00 | 1400 | | |
| 9.55.00 | 10.5.00 | 1500 | | |
| 9.56.00 | 10.4.00 | 1600 | | |
| 9.58.00 | 10.2.30 | 1700 | | |
| 9.59.30 | 10.1.30 | 1800 | | |
| 10.00 | 10.1.00 | 1900 | | |
| | | 2000 | | |
| | | 2100 | | |
| | | 2200 | | |
| | | 2300 | | |
| | | 2400 | | |

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

SERIAL TEMPERATURE.

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

REMARKS.

No. *Hyd 1812.* Date *March 17th 89.*
Sigsbee Machine. Reel. *#2*

Turns *1756* Cor. + *98* Depth *1854*

Shot or lead *60 lbs.*

Bottom *br. m.*

Bottom temperature *35.4*

No. of Thermometer *61755* Cor. *± 0*

Corrected temperature *35.4*

Air *75* Surface *74* Drift.

Trawl or dredge or tangles

| <i>P.M.</i> SOUNDING WIRE. | | TURNS. | DREDGE ROPE. | |
|----------------------------|---------------|--------|--------------|-----|
| DOWN. | UP. | | DOWN. | UP. |
| <i>1-44-30</i> | <i>18-0</i> | 0 | | |
| <i>45-30</i> | <i>17-15</i> | 100 | | |
| <i>46-15</i> | <i>16-30</i> | 200 | | |
| <i>47-0</i> | <i>16-0</i> | 300 | | |
| <i>47-45</i> | <i>15-0</i> | 400 | | |
| <i>48-30</i> | <i>14-15</i> | 500 | | |
| <i>49-30</i> | <i>13-30</i> | 600 | | |
| <i>50-30</i> | <i>13-0</i> | 700 | | |
| <i>51-30</i> | <i>12-15</i> | 800 | | |
| <i>52-30</i> | <i>11-30</i> | 900 | | |
| <i>53-30</i> | <i>10-45</i> | 1000 | | |
| <i>54-30</i> | <i>10-0</i> | 1100 | | |
| <i>55-30</i> | <i>9-0</i> | 1200 | | |
| <i>56-30</i> | <i>8-0</i> | 1300 | | |
| <i>57-30</i> | <i>6-45</i> | 1400 | | |
| <i>58-30</i> | <i>5-45</i> | 1500 | | |
| <i>2-0-0</i> | <i>5-0</i> | 1600 | | |
| <i>1-0</i> | <i>4-0</i> | 1700 | | |
| | <i>2-03-0</i> | 1800 | | |
| | | 1900 | | |
| | | 2000 | | |
| | | 2100 | | |
| | | 2200 | | |
| | | 2300 | | |
| | | 2400 | | |

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

SERIAL TEMPERATURE.

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

REMARKS.

No.

Date

Sigbee

Machine. 2 Reel.

Turns 1731 Cor. + 98

Depth 1829

Shot or lead 60 lbs.

Bottom br. M.

Bottom temperature stone

No. of Thermometer 61755 Cor.

Corrected temperature stone

Air 70 Surface 72 Drift.

~~Trawl or dredge or tangles~~

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

| SOUNDING WIRE. | | TURNS. | DREDGE ROPE. | |
|----------------|--------|--------|--------------|-----|
| DOWN. | UP. | | DOWN. | UP. |
| 5. 52. 00 | 25. 40 | 0 | | |
| 52. 45 | 24. 05 | 100 | | |
| 53. 30 | 23. 15 | 200 | | |
| 54. 15 | 22. 35 | 300 | | |
| 55. 05 | 22. 00 | 400 | | |
| 55. 55 | 21. 20 | 500 | | |
| 56. 45 | 20. 35 | 600 | | |
| 57. 40 | 19. 50 | 700 | | |
| 58. 40 | 19. 05 | 800 | | |
| 59. 35 | 18. 20 | 900 | | |
| 6. 00. 30 | 17. 30 | 1000 | | |
| 01. 35 | 16. 50 | 1100 | | |
| 02. 40 | 15. 55 | 1200 | | |
| 03. 45 | 15. 00 | 1300 | | |
| 04. 50 | 14. 00 | 1400 | | |
| 05. 55 | 13. 00 | 1500 | | |
| 07. 10 | 11. 40 | 1600 | | |
| 08. 20 | 10. 20 | 1700 | | |
| | | 1800 | | |
| | | 1900 | | |
| | | 2000 | | |
| | | 2100 | | |
| | | 2200 | | |
| | | 2300 | | |
| | | 2400 | | |

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| | 2500 | |
| | 2600 | |
| | 2700 | |
| | 2800 | |
| | 2900 | |
| | 3000 | |
| | 3100 | |
| | 3200 | |
| | 3300 | |
| | 3400 | |
| | 3500 | |
| | 3600 | |
| | 3700 | |
| | 3800 | |
| | 3900 | |
| | 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. 1814 Date March 7th 1889

Sigsbee Machine. 2 Reel.

Turns 1690 Cor. + 96 Depth 1786

Shot or lead 60 lb

Bottom h. M.

Bottom temperature 35.3

No. of Thermometer 61755 Cor. ± 0

Corrected temperature 35.3

Air 70 Surface 71 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

| P. M. | DOWN. | UP. | | DOWN. | UP. |
|-------|---------|---------|------|-------|-----|
| | 8 50.00 | 9 22.00 | 0 | | |
| | 8 51.00 | 9 21.00 | 100 | | |
| | 8 52.00 | 9 20.00 | 200 | | |
| | 8 53.00 | 9 19.00 | 300 | | |
| | 8 54.00 | 9 18.00 | 400 | | |
| | 8 55.00 | 9 17.00 | 500 | | |
| | 8 56.00 | 9 16.00 | 600 | | |
| | 8 57.00 | 9 15.00 | 700 | | |
| | 8 58.00 | 9 14.00 | 800 | | |
| | 8 59.00 | 9 13.00 | 900 | | |
| | 9 00.00 | 9 12.00 | 1000 | | |
| | 9 1.00 | 9 11.00 | 1100 | | |
| | 9 1.30 | 9 10.00 | 1200 | | |
| | 9 2.00 | 9 9.00 | 1300 | | |
| | 9 2.30 | 9 8.00 | 1400 | | |
| | 9 3.00 | 9 7.00 | 1500 | | |
| | 9 4.00 | 9 6.00 | 1600 | | |
| | 9 4.30 | 9 5.00 | 1700 | | |
| | | | 1800 | | |
| | | | 1900 | | |
| | | | 2000 | | |
| | | | 2100 | | |
| | | | 2200 | | |
| | | | 2300 | | |
| | | | 2400 | | |

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

SERIAL TEMPERATURE.

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

REMARKS.

W. 1/4

No. 1815 Hyd Date March 7th 89
 Sigbee Machine. Reel.

Turns 1725 Cor. + 9.8 Depth 1823

Shot or lead 35 lb

Bottom Rky.

Bottom temperature 35.3

No. of Thermometer 61765 Cor. ± 0

Corrected temperature 35.3

Air 70 Surface 70 Drift

~~Trawl or dredge or tangles~~

| SOUNDING WIRE. | | TURNS. | DREDGE ROPE. | |
|----------------|----------|--------|--------------|-----|
| P. M. DOWN. | UP. | | DOWN. | UP. |
| 10.36.00 | 11.14.00 | 0 | | |
| 10.36.00 | 11.13.00 | 100 | | |
| 10.37.00 | 11.12.00 | 200 | | |
| 10.38.00 | 11.11.00 | 300 | | |
| 10.39.00 | 11.10.00 | 400 | | |
| 10.40.00 | 11.9.00 | 500 | | |
| 10.41.00 | 11.8.30 | 600 | | |
| 10.42.00 | 11.8.00 | 700 | | |
| 10.43.00 | 11.7.30 | 800 | | |
| 10.44.00 | 11.7.00 | 900 | | |
| 10.45.00 | 11.6.00 | 1000 | | |
| 10.46.00 | 11.5.00 | 1100 | | |
| 10.47.00 | 11.3.30 | 1200 | | |
| 10.48.30 | 11.2.30 | 1300 | | |
| 10.50.00 | 11.1.30 | 1400 | | |
| 10.52.00 | 10.59.30 | 1500 | | |
| 10.54.00 | 10.58.30 | 1600 | | |
| 10.55.00 | 10.57.30 | 1700 | | |
| 10.55.30 | 10.57 | 1800 | | |
| | | 1900 | | |
| | | 2000 | | |
| | | 2100 | | |
| | | 2200 | | |
| | | 2300 | | |
| | | 2400 | | |

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

SERIAL TEMPERATURE.

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

REMARKS.

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

Sigsbee Machine. 2 Reel.

Turns 1530 Cor. + 89 Depth 1619

Shot or Lead 35 lb

Bottom Rky.

Bottom temperature 35.5

No. of Thermometer 61755 Cor. ± 0

Corrected temperature 35.5

Air 69 Surface 70 Drift.

Trawl or dredge or tangles

| P.m. SOUNDING WIRE A.m. | | TURNS. | DREDGE ROPE. | |
|-------------------------|----------|--------|--------------|-----|
| DOWN. | UP. | | DOWN. | UP. |
| 11.54.00 | 12.28.00 | 0 | | |
| 11.55.00 | 12.27.00 | 100 | | |
| 11.56.00 | 12.26.30 | 200 | | |
| 11.57.00 | 12.26.00 | 300 | | |
| 11.58.00 | 12.25.30 | 400 | | |
| 11.59.00 | 12.25.00 | 500 | | |
| 12.00.00 | 12.24.00 | 600 | | |
| 12.1.00 | 12.23.00 | 700 | | |
| 12.2.00 | 12.22.00 | 800 | | |
| 12.3.00 | 12.21.00 | 900 | | |
| 12.5.00 | 12.20.00 | 1000 | | |
| 12.6.00 | 12.19.00 | 1100 | | |
| 12.7.00 | 12.18.00 | 1200 | | |
| 12.8.00 | 12.17.00 | 1300 | | |
| 12.9.00 | 12.16.00 | 1400 | | |
| 12.10.30 | 12.15.00 | 1500 | | |
| 12.11.00 | 12.14.00 | 1600 | | |
| | | 1700 | | |
| | | 1800 | | |
| | | 1900 | | |
| | | 2000 | | |
| | | 2100 | | |
| | | 2200 | | |
| | | 2300 | | |
| | | 2400 | | |

| | | |
|--|------|--|
| | 2500 | |
| | 2600 | |
| | 2700 | |
| | 2800 | |
| | 2900 | |
| | 3000 | |
| | 3100 | |
| | 3200 | |
| | 3300 | |
| | 3400 | |
| | 3500 | |
| | 3600 | |
| | 3700 | |
| | 3800 | |
| | 3900 | |
| | 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.

Hyd 1817

Date

March 8th / 89

Machine.

Reel.

#2

Turns 1092 Cor. +

69

Depth

1161

Shot or lead

35 lbs

Bottom

rky.

Bottom temperature

36.2

No. of Thermometer

61755

Cor. \pm 0

Corrected temperature

36.2

Air

70

Surface

70

Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

5-51-0

14-45

0

52-0

14-0

100

53-0

13-15

200

54-0

12-30

300

55-0

11-45

400

56-0

11-0

500

57-0

10-0

600

58-0

09-0

700

59-0

08-0

800

6-0-0

07-0

900

01-0

06-0

1000

2-30

6-04-0

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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

SERIAL TEMPERATURE.

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

REMARKS.

No. *1818* Date *March 8th 89*
Digbee Machine. Reel. *#2*
 Turns *611* Cor. + *40* Depth *651*
 Shot or lead *35 lbs.*
 Bottom *Rky. -*
 Bottom temperature *39.4*
 No. of Thermometer *61755* Cor. ± 0
 Corrected temperature *39.4*
 Air *70* Surface *70* Drift.
 Trawl or dredge or tangles _____

| SOUNDING WIRE. | | TURNS. | DREDGE ROPE. | |
|----------------|----------------|--------|--------------|-----|
| DOWN. | UP. | | DOWN. | UP. |
| <i>6-42-0</i> | <i>55-0</i> | 0 | | |
| <i>43-0</i> | <i>54-15</i> | 100 | | |
| <i>44-0</i> | <i>53-30</i> | 200 | | |
| <i>45-0</i> | <i>52-30</i> | 300 | | |
| <i>45-45</i> | <i>51-30</i> | 400 | | |
| <i>46-30</i> | <i>50-30</i> | 500 | | |
| <i>47-30</i> | <i>6-49-30</i> | 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. 1819

Date March 10th 1889

Sigsbee

Machine. 2 Reel.

Turns 1189 Cor. + 75 Depth 1264

Shot or lead 35 lbs.

Bottom br. M. sh. S.

Bottom temperature 35.8

No. of Thermometer 61755 Cor. ± 0

Corrected temperature 35.8

Air 70 Surface 70 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

| A.M. | SOUNDING WIRE. | | TURNS. | DREDGE ROPE. | |
|------|----------------|--------|--------|--------------|-----|
| | DOWN. | UP. | | DOWN. | UP. |
| 4. | 49. 45 | 15. 45 | 0 | | |
| | 50. 40 | 14. 55 | 100 | | |
| | 51. 40 | 14. 10 | 200 | | |
| | 52. 45 | 13. 20 | 300 | | |
| | 53. 45 | 12. 30 | 400 | | |
| | 54. 50 | 11. 40 | 500 | | |
| | 55. 55 | 10. 45 | 600 | | |
| | 57. 00 | 09. 50 | 700 | | |
| | 58. 10 | 08. 50 | 800 | | |
| | 59. 25 | 07. 55 | 900 | | |
| 5. | 00. 45 | 06. 55 | 1000 | | |
| | 02. 10 | 05. 50 | 1100 | | |
| | | | 1200 | | |
| | | | 1300 | | |
| | | | 1400 | | |
| | | | 1500 | | |
| | | | 1600 | | |
| | | | 1700 | | |
| | | | 1800 | | |
| | | | 1900 | | |
| | | | 2000 | | |
| | | | 2100 | | |
| | | | 2200 | | |
| | | | 2300 | | |
| | | | 2400 | | |

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

SERIAL TEMPERATURE.

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

REMARKS.

10.7.18

No. ^{Hyd} 1820 Date March 10th 1889

Sigsbee Machine. 2 Reel.

Turns 1545 Cor. + 90 Depth 1635

Shot ~~on lead~~ 60 lbs.

Bottom br. M.

Bottom temperature 35.6

No. of Thermometer 61455 Cor. 0

Corrected temperature 35.6

Air 71 Surface 70 Drift.

Trawl or dredge or tangles

| SOUNDING WIRE. | | TURNS. | DREDGE ROPE. | |
|-----------------|---------|--------|--------------|-----|
| DOWN. | UP. | | DOWN. | UP. |
| A. M. 6. 35. 35 | .05. 45 | 0 | | |
| 36. 30 | .04. 55 | 100 | | |
| 37. 20 | .04. 15 | 200 | | |
| 38. 10 | .03. 35 | 300 | | |
| 39. 00 | .02. 50 | 400 | | |
| 39. 45 | .01. 55 | 500 | | |
| 40. 35 | 01. 05 | 600 | | |
| 41. 30 | 00. 10 | 700 | | |
| 42. 25 | 59. 10 | 800 | | |
| 43. 20 | 58. 15 | 900 | | |
| 44. 20 | 57. 20 | 1000 | | |
| 45. 20 | 56. 20 | 1100 | | |
| 46. 20 | 55. 20 | 1200 | | |
| 47. 25 | 54. 20 | 1300 | | |
| 48. 30 | 53. 10 | 1400 | | |
| 49. 40 | 52. 00 | 1500 | | |
| | | 1600 | | |
| | | 1700 | | |
| | | 1800 | | |
| | | 1900 | | |
| | | 2000 | | |
| | | 2100 | | |
| | | 2200 | | |
| | | 2300 | | |
| | | 2400 | | |

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

SERIAL TEMPERATURE.

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

REMARKS.

W. H.

No. 1821 Hyd. Date March 10th 89

Sigsbee Machine. Reel. 2

Turns 854 Cor. + 56 Depth 910

Shot or Lead 35 lb

Bottom br. M.

Bottom temperature 37.5

No. of Thermometer 61755 Cor. ± 0

Corrected temperature 37.5

Air 71 Surface 72 Drift.

Trawl or dredge or tangles

| A. H. SOUNDING WIRE. | | TURNS. | DREDGE ROPE. | |
|----------------------|---------|--------|--------------|-----|
| DOWN. | UP. | | DOWN. | UP. |
| 8.21.00 | 8.43.00 | 0 | | |
| 8.22.00 | 8.42.00 | 100 | | |
| 8.23.00 | 8.41.00 | 200 | | |
| 8.24.00 | 8.40.00 | 300 | | |
| 8.25.00 | 8.39.00 | 400 | | |
| 8.26.00 | 8.38.00 | 500 | | |
| 8.27.00 | 8.37.00 | 600 | | |
| 8.28.00 | 8.36.00 | 700 | | |
| 8.29.30 | 8.34.00 | 800 | | |
| 8.30.30 | 8.32.00 | 900 | | |
| | | 1000 | | |
| | | 1100 | | |
| | | 1200 | | |
| | | 1300 | | |
| | | 1400 | | |
| | | 1500 | | |
| | | 1600 | | |
| | | 1700 | | |
| | | 1800 | | |
| | | 1900 | | |
| | | 2000 | | |
| | | 2100 | | |
| | | 2200 | | |
| | | 2300 | | |
| | | 2400 | | |

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

SERIAL TEMPERATURE.

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

REMARKS.

507

No. 1822

Date March 10th 1889

Sigsbee

Machine. 2 Reel.

Turns 195 Cor. + 15 Depth 210

~~Shot or lead~~ 35

Bottom Rky.

Bottom temperature 50.3

No. of Thermometer 61755- Cor. ± 0

Corrected temperature 50.3

Air 71 Surface 73 Drift.

~~Trawl or dredge or tangles~~

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

9.18.00 9.23.30

0

9.19.00 9.22.30

100

9.20 9.21.30

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

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

SERIAL TEMPERATURE.

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

REMARKS.

No. *144* / *1823*. Date *March 10th 89*.
Sigsbee Machine. Reel. *# 5*
 Turns *350*. Cor. + *25*. Depth *375*.
 Shot or lead *35 lbs.*
 Bottom *bk. S.*
 Bottom temperature *44*
 No. of Thermometer *61755*. Cor. *± 0*
 Corrected temperature *44*
 Air *73*. Surface *73*. Drift.
 Trawl or dredge or tangles

| SOUNDING WIRE. | | TURNS. | DREDGE ROPE. | |
|----------------|---------------|--------|--------------|-----|
| DOWN. | UP. | | DOWN. | UP. |
| <i>3-05-0</i> | <i>12-45</i> | 0 | | |
| <i>06-15</i> | <i>12-15</i> | 100 | | |
| <i>07-15</i> | <i>11-45</i> | 200 | | |
| <i>08-0</i> | <i>11-0</i> | 300 | | |
| <i>08-50</i> | <i>3-10-0</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.

No.

1824

Date

March 10th 89.

Sigsbee

Machine.

Reel. # 2.

Turns 626 Cor. + 41

Depth 665

Shot or lead 35 lbs.

Bottom R.

Bottom temperature 39.2

No. of Thermometer 61455 Cor. ± 0

Corrected temperature 39.2

Air 72 Surface 73 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

| | | | | |
|-----------|-------|------|--|--|
| 3-55-0 | 09.50 | 0 | | |
| 56-0 | 09.10 | 100 | | |
| 57-0 | 08.25 | 200 | | |
| 58-15 | 07.40 | 300 | | |
| 4. 01. 15 | 06.55 | 400 | | |
| 02. 30 | 06.10 | 500 | | |
| 03. 30 | 05.25 | 600 | | |
| | | 700 | | |
| | | 800 | | |
| | | 900 | | |
| | | 1000 | | |
| | | 1100 | | |
| | | 1200 | | |
| | | 1300 | | |
| | | 1400 | | |
| | | 1500 | | |
| | | 1600 | | |
| | | 1700 | | |
| | | 1800 | | |
| | | 1900 | | |
| | | 2000 | | |
| | | 2100 | | |
| | | 2200 | | |
| | | 2300 | | |
| | | 2400 | | |

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

SERIAL TEMPERATURE.

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

REMARKS.

Hyd 1825

No. " *Hyd 1825* Date *March 10 1889*

Sigsbee Machine. *2* Reel.

Turns *1710* Cor. + *94* Depth *1804*

Shot or lead *60 lbs.*

Bottom *br. M.*

Bottom temperature *35.5*

No. of Thermometer *61755* Cor. ± 0

Corrected temperature *35.5*

Air *72* Surface *73* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

P.M.

| | | | |
|-----------|---------------|---------------|-------------|
| <i>5.</i> | <i>57. 55</i> | <i>32. 00</i> | <i>0</i> |
| | <i>58. 45</i> | <i>31. 10</i> | <i>100</i> |
| | <i>59. 30</i> | <i>30. 20</i> | <i>200</i> |
| <i>6.</i> | <i>00. 15</i> | <i>29. 50</i> | <i>300</i> |
| | <i>01. 05</i> | <i>29. 05</i> | <i>400</i> |
| | <i>01. 55</i> | <i>28. 20</i> | <i>500</i> |
| | <i>02. 45</i> | <i>27. 30</i> | <i>600</i> |
| | <i>03. 40</i> | <i>26. 40</i> | <i>700</i> |
| | <i>04. 35</i> | <i>25. 50</i> | <i>800</i> |
| | <i>05. 30</i> | <i>24. 55</i> | <i>900</i> |
| | <i>06. 30</i> | <i>24. 05</i> | <i>1000</i> |
| | <i>07. 30</i> | <i>23. 15</i> | <i>1100</i> |
| | <i>08. 40</i> | <i>22. 25</i> | <i>1200</i> |
| | <i>09. 45</i> | <i>21. 15</i> | <i>1300</i> |
| | <i>10. 55</i> | <i>20. 10</i> | <i>1400</i> |
| | <i>12. 05</i> | <i>19. 00</i> | <i>1500</i> |
| | <i>13. 20</i> | <i>17. 50</i> | <i>1600</i> |
| | <i>14. 35</i> | <i>16. 20</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.

Wind

No. 1826 Hyd. Date March 10th 1889

Sigsbee Machine. 2 Reel.

Turns 1552 Cor. + 91 Depth 1643

Shot or lead 60 lb

Bottom B. M.

Bottom temperature 35.5

No. of Thermometer 61755 Cor. ± 0

Corrected temperature 35.5

Air 70 Surface 70 Drift.

Trawl or dredge or tangles

| SOUNDING WIRE. | | TURNS. | DREDGE ROPE. | |
|----------------|----------|--------|--------------|-----|
| P. M. DOWN. | P. M. | | DOWN. | UP. |
| 10.11.00 | 10.44.00 | 0 | | |
| 10.12.00 | 10.43.00 | 100 | | |
| 10.13.00 | 10.42.00 | 200 | | |
| 10.14.00 | 10.41.00 | 300 | | |
| 10.15.00 | 10.40.00 | 400 | | |
| 10.16.00 | 10.39.00 | 500 | | |
| 10.17.00 | 10.38.00 | 600 | | |
| 10.18.00 | 10.37.00 | 700 | | |
| 10.19.00 | 10.36.00 | 800 | | |
| 10.20.00 | 10.35.00 | 900 | | |
| 10.21.00 | 10.34.00 | 1000 | | |
| 10.22.00 | 10.32.00 | 1100 | | |
| 10.23.00 | 10.30.30 | 1200 | | |
| 10.24.00 | 10.29.30 | 1300 | | |
| 10.25.00 | 10.28.30 | 1400 | | |
| 10.26.00 | 10.27.30 | 1500 | | |
| 10.26.30 | 10.27.00 | 1600 | | |
| | | 1700 | | |
| | | 1800 | | |
| | | 1900 | | |
| | | 2000 | | |
| | | 2100 | | |
| | | 2200 | | |
| | | 2300 | | |
| | | 2400 | | |

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

SERIAL TEMPERATURE.

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

REMARKS.

No. *Hyd 1824* Date *March 11th / 84*
Sigsbee Machine. Reel. # *2*
 Turns *1660* Cor. + *95* Depth *1761*.
 Shot or lead *60 lbs.*
 Bottom *dk br. m.*
 Bottom temperature *35.5*
 No. of Thermometer *61755* Cor. ± 0
 Corrected temperature *35.5*
 Air *69* Surface *71* Drift.
 Trawl or dredge or tangles

| SOUNDING WIRE. | | TURNS. | DREDGE ROPE. | |
|------------------|---------------|-------------------|--------------|-----|
| DOWN. | UP. | | DOWN. | UP. |
| <i>4. - 44-0</i> | <i>12-0</i> | 0 | | |
| <i>45-0</i> | <i>11-15</i> | 100 | | |
| <i>46-0</i> | <i>10-45</i> | 200 | | |
| <i>46-45</i> | <i>10-0</i> | 300 | | |
| <i>47-15</i> | <i>9-15</i> | 400 | | |
| <i>48-0</i> | <i>8-45</i> | 500 | | |
| <i>48-45</i> | <i>8-0</i> | 600 | | |
| <i>49-15</i> | <i>7-15</i> | 700 | | |
| <i>50-30</i> | <i>6-45</i> | 800 | | |
| <i>51-30</i> | <i>6-0</i> | 900 | | |
| <i>53-0</i> | <i>5-15</i> | 1000 | | |
| <i>54-0</i> | <i>4-45</i> | 1100 | | |
| <i>55-0</i> | <i>4-0</i> | 1200 | | |
| <i>56-0</i> | <i>3-15</i> | 1300 | | |
| <i>57-0</i> | <i>2-45</i> | 1400 | | |
| <i>58-0</i> | <i>2-0</i> | 1500 | | |
| <i>59-0</i> | <i>1-15</i> | 1600 | | |
| <i>5-0-0</i> | <i>5-0-30</i> | <i>60</i> 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.

1828

Date

March 11" 1889

Sigsbee Machine. 2 Reel.

Turns 1602 Cor. + 92 Depth 1694

Shot or lead 60 lbs.

Bottom gn M.

Bottom temperature 35.4

No. of Thermometer 61455 Cor. ± 0

Corrected temperature 35.4

Air 72 Surface 74 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

A.M.

| | | | |
|-----|-------|-------|------|
| 10. | 57.30 | 32.00 | 0 |
| | 58.10 | 31.10 | 100 |
| | 59.00 | 30.20 | 200 |
| | 58.55 | 29.30 | 300 |
| 11. | 01.30 | 28.40 | 400 |
| | 02.30 | 27.45 | 500 |
| | 03.40 | 26.45 | 600 |
| | 04.30 | 25.55 | 700 |
| | 05.25 | 25.00 | 800 |
| | 06.25 | 24.05 | 900 |
| | 07.30 | 23.10 | 1000 |
| | 08.25 | 22.00 | 1100 |
| | 09.30 | 20.55 | 1200 |
| | 10.40 | 19.50 | 1300 |
| | 11.40 | 18.40 | 1400 |
| | 12.45 | 17.30 | 1500 |
| | 13.50 | 16.05 | 1600 |
| | | | 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. 1829 Hyd. Date March 11th 1891
Sigsbee Machine. 2 Reel.

Turns 1618 Cor. + 93 Depth 1711

Shot or lead 60 lbs

Bottom gn. M.

Bottom temperature 35.5

No. of Thermometer 61753 Cor. ± 0

Corrected temperature 35.5

Air 69 Surface 71 Drift.

Trawl or dredge or tangles

| SOUNDING WIRE. | | TURNS. | DREDGE ROPE. | |
|----------------|---------|--------|--------------|-----|
| DOWN. | UP. | | DOWN. | UP. |
| 5.10.00 | 5.45.00 | 0 | | |
| 5.11.00 | 5.44.00 | 100 | | |
| 5.12.00 | 5.43.00 | 200 | | |
| 5.13.00 | 5.42.30 | 300 | | |
| 5.14.00 | 5.42.00 | 400 | | |
| 5.15.00 | 5.41.00 | 500 | | |
| 5.16.00 | 5.40.00 | 600 | | |
| 5.17.00 | 5.39.00 | 700 | | |
| 5.18.00 | 5.38.00 | 800 | | |
| 5.19.00 | 5.37.00 | 900 | | |
| 5.20.00 | 5.36.00 | 1000 | | |
| 5.21.00 | 5.35.00 | 1100 | | |
| 5.22.00 | 5.34.00 | 1200 | | |
| 5.24.00 | 5.33.00 | 1300 | | |
| 5.25.00 | 5.31.30 | 1400 | | |
| 5.26.00 | 5.30.30 | 1500 | | |
| 5.27.00 | 5.29.30 | 1600 | | |
| 5.27.20 | 5.29.00 | 1700 | | |
| | | 1800 | | |
| | | 1900 | | |
| | | 2000 | | |
| | | 2100 | | |
| | | 2200 | | |
| | | 2300 | | |
| | | 2400 | | |

| | | |
|--|------|--|
| | 2500 | |
| | 2600 | |
| | 2700 | |
| | 2800 | |
| | 2900 | |
| | 3000 | |
| | 3100 | |
| | 3200 | |
| | 3300 | |
| | 3400 | |
| | 3500 | |
| | 3600 | |
| | 3700 | |
| | 3800 | |
| | 3900 | |
| | 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.

2996

Date

March 16th 1891

anner

Machine.

Reel.

Turns 108. Cor. + 4.

Depth 112.

Shot or lead 25 lbs

Bottom gn. m.

Bottom temperature 56

No. of Thermometer 61455 Cor. ± 0

Corrected temperature 56

Air 76

Surface 72

Drift $\frac{1}{4}$ m. A. x. W.

Trawl or dredge or tangles

Large Beam

SOUNDING WIRE.

DOWN.

UP.

11-4-30

11-9-30

5-30

11-6-0

TURNS.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

DREDGE ROPE.

DOWN.

UP.

11-9-30 12-01-20

14-30 57-0

18-0 27-0

22-0 11-23-45

Found Surface Shot while
dredging.

hook pop back 8 min.

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

SERIAL TEMPERATURE.

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

REMARKS.

B.

No. 2997 Date March 16th 1889
Tanner Machine. Reel.

Turns 25 Cor. + 6 Depth 221

Shot or lead 25 lbs.

Bottom gm. M.

Bottom temperature 49.5

No. of Thermometer 61755 Cor. ± 0

Corrected temperature 49.5

Air 75 Surface 73 Drift. 6 m. NW/NE

Trawl or dredge or tangles Large Beam.

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

| P. No. | SOUNDING WIRE. | | TURNS. | DREDGE ROPE. | |
|--------|----------------|--------|--------|--------------|-----------|
| | DOWN. | UP. | | DOWN. | UP. |
| 1. | 26 10 | 34. 15 | 0 | 1. 30. 45 | 28. 50 |
| | 26. 50 | 31. 50 | 100 | 34. 00 | 25. 30 |
| | 28. 00 | 28. 50 | 200 | 37. 20 | 21. 55 |
| | | | 300 | 40. 30 | 18. 00 |
| | | | 400 | 43. 00 | 13 15 |
| | | | 46 25 | 44. 15 | |
| | | | 500 | 48. 00 | 2. 10. 10 |
| | | | 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.

Lauterbach

No. 2998

Date March 16th 1889.

Tanner

Machine.

Reel.

Turns 38 Cor. + 2

Depth 40

Shot or lead 25 lbs.

Bottom S. bk. Sh.

Bottom temperature 64

No. of Thermometer 61755 Cor. ± 0

Corrected temperature 64

Air 75 Surface 72 Drift N $\frac{1}{2}$ E $\frac{1}{4}$ E. / mile

Trawl or dredge or tangles Large Beam.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

| | | | | | | |
|---|----|----|-------|------|---------|---------|
| 3 | 37 | 10 | 39.00 | 0 | 3.39.10 | 4.14.00 |
| | | | | 100 | 15.30 | 4.10.00 |
| | | | | 200 | | |
| | | | | 300 | | |
| | | | | 400 | | |
| | | | | 500 | | |
| | | | | 600 | | |
| | | | | 700 | | |
| | | | | 800 | | |
| | | | | 900 | | |
| | | | | 1000 | | |
| | | | | 1100 | | |
| | | | | 1200 | | |
| | | | | 1300 | | |
| | | | | 1400 | | |
| | | | | 1500 | | |
| | | | | 1600 | | |
| | | | | 1700 | | |
| | | | | 1800 | | |
| | | | | 1900 | | |
| | | | | 2000 | | |
| | | | | 2100 | | |
| | | | | 2200 | | |
| | | | | 2300 | | |
| | | | | 2400 | | |

Towed surface net.

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

SERIAL TEMPERATURE.

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

REMARKS.

Wm H

No. 2999 Dredge Date March 16th 1889

Panner Machine. 2 Reel.

Turns 37 Cor. + 2 Depth 39

Shot or lead 25 lb

Bottom *crs S.*

Bottom temperature 63.6

No. of Thermometer 61755 Cor. ± 0

Corrected temperature 63.6

Air 74 Surface 72 Drift. $\frac{1}{2}$ m. ct. N

Trawl or dredge or tangles *Large beam*

*Dredging left the ship at 4.56 with
Prof. Gilbert and Mr. Glendon with
Mr. Fish on shore.*

| SOUNDING WIRE. | | TURNS. | DREDGE ROPE. | |
|----------------|----------|--------|--------------|--------|
| DOWN. | UP. | | DOWN. | UP. |
| 4. 410.00 | 4. 42.30 | 0 | 4. 48.00 | 3-30 |
| 4. 41.00 | 4. 41.30 | 100 | 4. 46.00 | 6.1.00 |
| | | 200 | | |
| | | 300 | | |
| | | 400 | | |
| | | 500 | | |
| | | 600 | | |
| | | 700 | | |
| | | 800 | | |
| | | 900 | | |
| | | 1000 | | |
| | | 1100 | | |
| | | 1200 | | |
| | | 1300 | | |
| | | 1400 | | |
| | | 1500 | | |
| | | 1600 | | |
| | | 1700 | | |
| | | 1800 | | |
| | | 1900 | | |
| | | 2000 | | |
| | | 2100 | | |
| | | 2200 | | |
| | | 2300 | | |
| | | 2400 | | |

| | | |
|--|------|--|
| | 2500 | |
| | 2600 | |
| | 2700 | |
| | 2800 | |
| | 2900 | |
| | 3000 | |
| | 3100 | |
| | 3200 | |
| | 3300 | |
| | 3400 | |
| | 3500 | |
| | 3600 | |
| | 3700 | |
| | 3800 | |
| | 3900 | |
| | 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.

3000

Date

March 16/89

Tanner

Machine.

Reel.

Turns

41

Cor. +

2

Depth

43

Shot or lead

25 lbs

Bottom

crs. S

Bottom temperature

61.5

No. of Thermometer

61755

Cor. ± 0

Corrected temperature

61.5

Air

76

Surface

72

Drift. NEXN $\frac{1}{2}$ mile

Trawl or dredge or tangles

Oyster dredge

SOUNDING WIRE.

DOWN.

UP.

5-9-30

11-0

10-0

5-10-30

TURNS.

0

50

100

150

200

250

300

350

400

450

500

550

600

650

700

750

800

850

900

950

1000

1050

1100

1150

1200

1250

1300

1350

1400

1450

1500

1550

1600

1650

1700

DREDGE ROPE.

DOWN.

UP.

5-18-30

5.30

150

16-30

5.27.00

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

SERIAL TEMPERATURE.

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

REMARKS.

Wm H

No. 3001

Date March 16th 89

Tanner Machine. Reel.

Turns 32 Cor. + 1 Depth 33

Shot or lead 25 lb

Bottom fine gy s. bk sh

Bottom temperature 64.5

No. of Thermometer 61755 Cor. ± 0

Corrected temperature 64.5

Air 72 Surface 72 Drift. NXW $\frac{1}{2}$ W $\frac{3}{4}$ No. 10

Trawl or dredge or tangles Cyster dredge

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

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

SERIAL TEMPERATURE.

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

REMARKS.

No.

3002

Date

March 17/89.

Hand Lead

Machine.

Reel.

Turns

Cor. +

17

Depth

17

Shot or lead

Bottom

S & Sh.

Bottom temperature

No. of Thermometer

Corrected temperature

foul

Cor.

Air

72

Surface

70

Drift.

1/8 m. N. 21

Trawl or dredge or tangles

Cyclot dredge

SOUNDING WIRE.

DOWN.

UP.

7-7-30

TURNS.

0

40

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

DREDGE ROPE.

DOWN.

UP.

7-7-30

10-0

24-0

16-30

7-15-30

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

SERIAL TEMPERATURE.

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

REMARKS.

No.

3003

Date

March 17/89

Hand Lead

Machine

Reel.

Turns

Cor. +

19

Depth

9

Shot or lead

Bottom

S & S₂

Bottom temperature

No. of Thermometer

Corrected temperature

} true Cor.

Air

42

Surface

170

Drift.

1/8 m. N. 2 1/2

Trawl or dredge or tangles

Oyster dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

7-25-30

7-26-30

36-0

7-35-0

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

No.

3004

Date

March 17/89

Hand Lead

Machine.

Reel.

Turns

Cor. +

7 1/2

Depth

71

Shot or lead

Bottom

S. Sh.

Bottom temperature

No. of Thermometer

Corrected temperature

None Cor.

Air

72

Surface

70

Drift.

1/2 mi S. 2/3 N.

Trawl or dredge or tangles

Large Beam.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

7-110-30

56 0

100

43-0

7-54-30

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Trawl came up fine
nothing in it

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

3 24.13

No.

3005

Date

March 17/89

Hand Lead

Machine.

Reel.

Turns

Cor. +

Depth

21

Shot or lead

9 lbs.

Bottom

S. Sh. Coralline

Bottom temperature

No. of Thermometer

Corrected temperature

} Fine Cor. None.

Air

45

Surface

71

Drift.

1/8 m S x E.

Trawl or dredge or tangles

Large Beam

SOUNDING WIRE.

DOWN.

UP.

DREDGE ROPE.

DOWN.

UP.

TURNS.

A. M.

8. 00. 00

0

40

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

8-1-30

18. 00

4-30

16. 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 | | | | |

REMARKS.

Lat. 13.

No. 3006 Date March 17 1889.

Hand lead. Machine. Reel.

Turns Cor. + Depth 8

Shot or lead 9 lbs.

Bottom Sh

Bottom temperature

No. of Thermometer } None Cor. None

Corrected temperature

Air 75 Surface 71 Drift. 1/8 m S. 6.

Trawl or dredge or tangles Large Beam.

| SOUNDING WIRE. | | TURNS. | DREDGE ROPE. | |
|----------------|-----|--------|--------------|-------|
| DOWN. | UP. | | DOWN. | UP. |
| 4 p. 23.30 | | 0 | 1. 23.50 | 45.00 |
| | | 30 | | |
| | | 100 | 25.00 | 43.40 |
| | | 200 | | |
| | | 300 | | |
| | | 400 | | |
| | | 500 | | |
| | | 600 | | |
| | | 700 | | |
| | | 800 | | |
| | | 900 | | |
| | | 1000 | | |
| | | 1100 | | |
| | | 1200 | | |
| | | 1300 | | |
| | | 1400 | | |
| | | 1500 | | |
| | | 1600 | | |
| | | 1700 | | |
| | | 1800 | | |
| | | 1900 | | |
| | | 2000 | | |
| | | 2100 | | |
| | | 2200 | | |
| | | 2300 | | |
| | | 2400 | | |

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

SERIAL TEMPERATURE.

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

REMARKS.

507
Wm H

No. 3007 Date March 17th 1889

Signature Machine. 2 Reel.

Turns 338 Cor. + 24 Depth 362

Shot or lead 33 lb

Bottom gn. m.

Bottom temperature 44.5

No. of Thermometer 61755 Cor. ± 0

Corrected temperature 44.6

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

Trawl or dredge or tangles Large Beam

| SOUNDING WIRE. | | TURNS. | DREDGE ROPE. | |
|----------------|-----------|----------------|--------------|----------|
| DOWN. | UP. | | DOWN. | UP. |
| 12. 33.00 | 12. 41.00 | 0 | 12. 45.00 | 2. 50.00 |
| 12. 34.30 | 12. 40.00 | 100 | 12. 50.00 | 2. 20.00 |
| 12. 36.00 | 12. 39.00 | 200 | 12. 54.00 | 1. 59.30 |
| 12. 37.30 | 12. 38.00 | 300 | 12. 57.00 | 1. 56.00 |
| | | 400 | 1. 01.00 | 1. 54.00 |
| | | 500 | 1. 04.00 | 1. 52.00 |
| | | 600 | 1. 07.00 | 1. 50.00 |
| | | 700 | 1. 10.00 | 1. 46.00 |
| | | 730 | 1. 11.10 | 1. 44.00 |
| | | 800 | | |
| | | 900 | | |
| | | 1000 | | |
| | | 1100 | | |
| | | 1200 | | |
| | | 1300 | | |
| | | 1400 | | |
| | | 1500 | | |
| | | 1600 | | |
| | | 1700 | | |
| | | 1800 | | |
| | | 1900 | | |
| | | 2000 | | |
| | | 2100 | | |
| | | 2200 | | |
| | | 2300 | | |
| | | 2400 | | |

Sling stops raised away in heaving in.

| | | |
|--|------|--|
| | 2500 | |
| | 2600 | |
| | 2700 | |
| | 2800 | |
| | 2900 | |
| | 3000 | |
| | 3100 | |
| | 3200 | |
| | 3300 | |
| | 3400 | |
| | 3500 | |
| | 3600 | |
| | 3700 | |
| | 3800 | |
| | 3900 | |
| | 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.

3008

Date

March 18th 1891

Sigsbee

Machine.

Reel. #2

Turns ≈ 85 Cor. + 21 Depth 306

Shot or lead 35 lbs

Bottom M.

Bottom temperature 46.

No. of Thermometer 61755 Cor. ± 0

Corrected temperature 46

Air 70 Surface 67 Drift. 6/10 m N.

Trawl or dredge or tangles Large Beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

| | | | | |
|--------|------|------|--------|--------|
| 4-02-0 | 8-30 | 0 | 4-12-0 | 18-30 |
| 3-15 | 8-0 | 100 | 15-30 | 15-30 |
| 4-0 | 7-30 | 200 | 19-0 | 12-0 |
| 5- | 6-30 | 300 | 22-0 | 9-0 |
| | | 400 | 25-0 | 5-5 40 |
| | | 500 | 28-0 | 56.45 |
| | | 600 | 31-30 | 4-55-0 |
| | | 700 | | |
| | | 800 | | |
| | | 900 | | |
| | | 1000 | | |
| | | 1100 | | |
| | | 1200 | | |
| | | 1300 | | |
| | | 1400 | | |
| | | 1500 | | |
| | | 1600 | | |
| | | 1700 | | |
| | | 1800 | | |
| | | 1900 | | |
| | | 2000 | | |
| | | 2100 | | |
| | | 2200 | | |
| | | 2300 | | |
| | | 2400 | | |

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

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

REMARKS.

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

Sigsbee Machine. 2 Reel.

Turns *808* Cor. + *49* Depth *857*

Shot or Lead *35-lbs.*

Bottom *gn M.*

Bottom temperature *37.7*

No. of Thermometer *61755* Cor. ± 0

Corrected temperature *37.7*

Air *67* Surface *66* Drift. $1\frac{1}{2}$ m *16* N. E.

Trawl or dredge or tangles *Large Brans.*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

| 1. No. | DOWN. | UP. | TURNS. | 1. No. | DOWN. | UP. |
|--------|--------|-----------|--------|--------|--------|-----------|
| 4. | 51. 15 | 08. 35 | 0 | 6. | 12. 30 | 8. 38. 00 |
| | 52. 15 | 07. 55 | 100 | | 16. 00 | 8. 36. 00 |
| | 53. 20 | 06. 50 | 200 | | 19. 30 | 8. 33. 00 |
| | 54. 20 | 06. 05 | 300 | | 22. 15 | 8. 29. 40 |
| | 55. 18 | 05. 20 | 400 | | 25. 30 | 8. 26. 30 |
| | 56. 15 | 04. 30 | 500 | | 28. 20 | 8. 23. 30 |
| | 57. 25 | 03. 45 | 600 | | 31. 10 | 8. 20. 30 |
| | 58. 30 | 02. 45 | 700 | | 33. 40 | 8. 17. 30 |
| | 59. 51 | 5. 01. 45 | 800 | | 36. 10 | 8. 14. 00 |
| | | | 900 | | 39. 05 | 8. 11. 00 |
| | | | 1000 | | 42. 00 | 8. 8. 30 |
| | | | 1100 | | 44. 45 | 8. 5. 45 |
| | | | 1200 | | 48. 00 | 8. 00. 00 |
| | | | 1300 | | 50. 15 | 7. 55. 00 |
| | | | 1400 | | 53. 30 | 7. 50. 10 |
| | | | 1500 | | 56. 15 | 7. 40. 50 |
| | | | 1600 | | 59. 50 | 7. 32. 50 |
| | | | 1700 | | | |
| | | | 1800 | | | |
| | | | 1900 | | | |
| | | | 2000 | | | |
| | | | 2100 | | | |
| | | | 2200 | | | |
| | | | 2300 | | | |
| | | | 2400 | | | |

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|---------|------------|
| 25 | | | | |
| 50 | 60 | 50306 | ± 0 | 60 |
| 100 | 58.1 | 57264 | - .1 | 58 |
| 200 | 51.5 | 61592 | + .1 | 51.6 |
| 300 | 45.1 | 57260 | - .4 | 44.7 |
| 400 | 42.6 | 61755 | ± 0 | 42.6 |
| 500 | 40.9 | 61751 | ± 0 | 40.9 |
| 600 | 39.8 | 51451 | | |
| 700 | 39.6 | 57260 | - .4 | 39.2 |
| 800 | | | | |
| 900 | | | | |
| 1000 | | | | |

REMARKS.

No. 3010 Dodge Date March 20th 89

Singer Machine. 2 Reel.

Turns 945 - Cor. + 60 Depth 1005

Shot ~~or total~~ 33 lb

Bottom *gr M.*

Bottom temperature 87.6

No. of Thermometer 61755- Cor. ± 0

Corrected temperature 37.6

Air 74 Surface 71 Drift. 1/4 mi N 88 E

~~Trawl or dredge or tangles~~ Large Beams.

| SOUNDING WIRE. | | TURNS. | DREDGE ROPE. | |
|----------------|----------|--------|--------------|---------|
| DOWN. | UP. | | DOWN. | UP. |
| 10.45.00 | 11.5.00 | 0 | 12-09-0 | 16.00 |
| 10.46.30 | 11.4.30 | 100 | 15-0 | 07.20 |
| 10.47.30 | 11.4.00 | 200 | 18-0 | 4.01.00 |
| 10.48.30 | 11.3.30 | 300 | 21-0 | 54-30 |
| 10.49.30 | 11.3.00 | 400 | 23-0 | 47-30 |
| 10.50.30 | 11.2.00 | 500 | 25-0 | 41-0 |
| 10.51.30 | 11.1.00 | 600 | 27-30 | 28-15 |
| 10.52.30 | 11.00.00 | 700 | 30-0 | 21-30 |
| 10.54.00 | 10.59.00 | 800 | 32-30 | 07-0 |
| 10.55.30 | 10.58.00 | 900 | 35-0 | 3-0-0 |
| 10.56.00 | 10.57.00 | 1000 | 38-0 | 51-30 |
| | | 1100 | 41-0 | 45-0 |
| | | 1200 | 44-0 | 35-30 |
| | | 1300 | 46-30 | 22-30 |
| | | 1400 | 49-0 | 15-0 |
| | | 1500 | 51-0 | 2-8-30 |
| | | 1600 | 53-30 | 55-0 |
| | | 1700 | 56-0 | 50-0 |
| | | 1800 | 58-30 | 1-39-0 |
| | | 1900 | | |
| | | 2000 | | |
| | | 2100 | | |
| | | 2200 | | |
| | | 2300 | | |
| | | 2400 | | |

Towed Surface Plot-articles
Dredging.

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

SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25 | | | | |
| 50 | 63.6 | 61.585- | + .1 | 63.7 |
| 100 | 57. | 54.815- | - .3 | 56.7 |
| 200 | 50.3 | 57.264 | - .4 | 49.9 |
| 300 | 46.2 | 61.758 | ± 0 | 46.2 |
| 400 | 43. | 61.592 | + .2 | 43.2 |
| 500 | 41.5- | 57.260 | | |
| 600 | 40.6 | 57.264 | | |
| 700 | 39.8 | 51.451 | | |
| 800 | 38.1 | 61.751 | | |
| 900 | 37.5 | 61.755 | ± 0 | 37.8 |
| 1000 | | | | |

REMARKS.

61465 was put down to 900 fms
together with # 61755, and registered
56.3.

Lat. 43.

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

Sigsbee Machine. *2* Reel.

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

Shot or lead *35 lbs.*

Bottom *gn. M.*

Bottom temperature *39.8*

No. of Thermometer *61755* Cor. *± 0*

Corrected temperature *39.8*

Air *70* Surface *66* Drift.

Trawl or dredge or tangles

| SOUNDING WIRE. | | TURNS. | DREDGE ROPE. | |
|------------------------|---------------|-------------|--------------|-----|
| DOWN. | UP. | | DOWN. | UP. |
| <i>P. M. 6. 24. 30</i> | <i>37. 10</i> | <i>0</i> | | |
| <i>25. 30</i> | <i>36. 20</i> | <i>100</i> | | |
| <i>26. 30</i> | <i>35. 30</i> | <i>200</i> | | |
| <i>27. 35</i> | <i>34. 40</i> | <i>300</i> | | |
| <i>28. 40</i> | <i>33. 50</i> | <i>400</i> | | |
| <i>29. 50</i> | <i>32. 55</i> | <i>500</i> | | |
| | | <i>600</i> | | |
| | | <i>700</i> | | |
| | | <i>800</i> | | |
| | | <i>900</i> | | |
| | | <i>1000</i> | | |
| | | <i>1100</i> | | |
| | | <i>1200</i> | | |
| | | <i>1300</i> | | |
| | | <i>1400</i> | | |
| | | <i>1500</i> | | |
| | | <i>1600</i> | | |
| | | <i>1700</i> | | |
| | | <i>1800</i> | | |
| | | <i>1900</i> | | |
| | | <i>2000</i> | | |
| | | <i>2100</i> | | |
| | | <i>2200</i> | | |
| | | <i>2300</i> | | |
| | | <i>2400</i> | | |

Coast Surface Net.

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

SERIAL TEMPERATURE.

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25 | | | | |
| 50 | 63.5 | 61592 | + .1 | 63.6 |
| 100 | 57.8 | 57260 | - .1 | 57.7 |
| 200 | 51.0 | 51451 | | |
| 300 | 45.8 | 61451 | ± 0 | 45.8 |
| 400 | 43.6 | 57264 | - .4 | 43.2 |
| 500 | 41.0 | 61455 | ± .0 | 41.0 |
| 600 | | | | |
| 700 | | | | |
| 800 | | | | |
| 900 | | | | |
| 1000 | | | | |

REMARKS.

$$\begin{array}{r} 3270 \\ 1885- \\ \hline 1885- \end{array}$$

$$\begin{array}{r} 1690 \\ 96 \\ \hline 1786 \end{array} \quad \begin{array}{r} 130 \\ 28 \\ \hline 102 \end{array} \quad \begin{array}{r} 130 \\ 34 \\ \hline 96 \end{array}$$

$$\begin{array}{r} 3270 \\ 1850 \\ \hline 1420 \end{array} \quad \begin{array}{r} 3270 \\ 1530 \\ \hline 1740 \end{array} \quad \begin{array}{r} 130 \\ 29 \\ \hline 101 \end{array}$$

$$\begin{array}{r} 3270 \\ 1731 \\ \hline 1529 \end{array}$$

$$\begin{array}{r} 3270 \\ 1725- \\ \hline 1545- \end{array} \quad \begin{array}{r} 130 \\ 32 \\ \hline 98 \end{array}$$

$$\begin{array}{r} 130 \\ 32 \\ \hline 98 \end{array} \quad \begin{array}{r} 3270 \\ 1690 \\ \hline 1580 \end{array}$$

$$\begin{array}{r} 1725- \\ 98 \\ \hline 1823 \end{array}$$

$$\begin{array}{r} 3270 \\ 430 \\ \hline 2840 \end{array}$$

$$\begin{array}{r} 130 \\ 100 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 3450 \\ 1920 \\ \hline 1530 \end{array}$$

$$\begin{array}{r} 42 \\ 2275 \end{array}$$

12

$$\begin{array}{r} 2750 \\ 1130 \\ \hline 2520 \end{array}$$

12

12

12

12

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12

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12

12

12

12

12

12

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12

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12

12

12

12

12

12

12

Correction Table Rule # 2

| Cor. | Turns | Cor. | Turns | Cor. |
|------|-------|------|-------|------|
| 0 | 50 | 35 | 1600 | 120 |
| 0 | 100 | 37 | 1650 | 124 |
| 1 | 150 | 39 | 1700 | 128 |
| 1 | 200 | 41 | 1750 | 132 |
| 2 | 250 | 43 | 1800 | 136 |
| 3 | 300 | 45 | 1850 | 140 |
| 4 | 350 | 47 | 1900 | 144 |
| 4 | 400 | 49 | 1950 | 148 |
| 5 | 450 | 51 | 2000 | 152 |
| 6 | 500 | 53 | 2050 | 156 |
| 7 | 550 | 56 | 2100 | 160 |
| 8 | 600 | 59 | 2150 | 164 |
| 9 | 650 | 62 | 2200 | 168 |
| 10 | 700 | 65 | 2250 | 172 |
| 11 | 750 | 68 | 2300 | 176 |
| 12 | 800 | 71 | 2350 | 180 |
| 13 | 850 | 74 | 2400 | 184 |
| 14 | 900 | 77 | 2450 | 188 |
| 15 | 950 | 80 | 2500 | 192 |
| 16 | 1000 | 83 | 2550 | 196 |
| 19 | 1050 | 86 | 2600 | 200 |
| 21 | 1100 | 89 | 2650 | 204 |
| 22 | 1150 | 92 | 2700 | 208 |
| 23 | 1200 | 95 | 2750 | 212 |
| 24 | 1250 | 98 | 2800 | 216 |
| 25 | 1300 | 101 | 2850 | 220 |
| 27 | 1350 | 104 | 2900 | 224 |
| 29 | 1400 | 107 | 2950 | 228 |
| 30 | 1450 | 110 | 3000 | 232 |
| 31 | 1500 | 113 | 3050 | 236 |
| 33 | 1550 | 116 | 3100 | 240 |

3270
 No. of turns on Pul 3270
 Correction 130

Turns
 3150
 3200
 3250
 3300
 3350
 3400
 3450
 3500
 3550
 3600
 3650
 3700
 3750
 3800
 3850
 3900
 3950
 4000
 4050
 4100
 4150
 4200
 4250
 4300
 4350

3270
 563
 2707

130
 92
 38

Graymond
 Alexio