


No.

Aug. 22<sup>nd</sup> 1893

to

Ac 3546 - 3561  
Jpt 3405 - 3436

U.S.S. Albatross.



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

SERIAL TEMPERATURES.

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

REMARKS:

F.H. 671

56° 01' = 170° 50'

No. 3405 Date Aug 22, 1893.

Sigsbee Machine. 2 Reel. Navy

Turns 868 Cor. + 56 Depth 924 fms

Shot or lead 35 lbs.

Bottom gy. M. c. S.

Bottom temperature 36.0

No. of thermometer 61587 Cor. -

Corrected temperature 36.0

Air 48 Surface 47 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3-55-30	18-15	0		
56-50	17-20	100		
58-05	16-30	200		
59-15	15-40	300		
4-00-20	14-50	400		
01-40	14-00	500		
03-25	13-10	600		
05-35	12-20	700		
07-35	11-20	800		
09.00	4-10-30	868		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2-871 P. Log. 63.6

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

4183 159  
868 103  
 3315 56  
  
 868  
924

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		4183	159	
50		<u>868</u>	<u>103</u>	
100		3315	56	
200			868	
300			<u>924</u>	
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

607. *RS* 55° 43' = 171° 07'

No. *3406 367* Date *Aug 22/93*  
*Signature* Machine. Reel. *Mary #2*  
 Turns *1531* Cor. + *96* Depth *1647 fms.*  
 Shot or lead *60 lb*  
 Bottom *gn M. fine S.*  
 Bottom temperature *35.2*  
 No. of thermometer *61596* Cor. *+0.2*  
 Corrected temperature *35.4*  
 Air *49* Surface *48* Drift  
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
Down.	Up.		Down.	Up.
<i>6.59.26</i>		0		
<i>58.28</i>	<i>31.22</i>	100		
<i>59.25</i>	<i>30.23</i>	200		
<i>7.0.26</i>	<i>29.23</i>	300		
<i>1.27.</i>	<i>28.24</i>	400		
<i>2.30</i>	<i>27.24</i>	500		
<i>3.43</i>	<i>26.25</i>	600		
<i>4.49</i>	<i>25.27</i>	700		
<i>6.1</i>	<i>24.28</i>	800		
<i>7.14</i>	<i>23.31</i>	900		
<i>8.28</i>	<i>22.31</i>	1000		
<i>9.48</i>	<i>21.32</i>	1100		
<i>11.9</i>	<i>20.32</i>	1200		
<i>12.28</i>	<i>19.32</i>	1300		
<i>13.49</i>	<i>18.32</i>	1400		
<i>15.12</i>	<i>7.17.32</i>	1500		
<i>16.01</i>	<i>7.16.48</i>	<i>(1531)</i>		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Made of white whalebone in  
 S. W. J. W. (over)

Day 760

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

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		4183	159	
50		1551	63	
100		2632	96	
200			1551	
300			1649	
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

54° 59' = 171° 49'

No. 3407 Hyd. Date Aug 22<sup>nd</sup> 1883  
 Sigsbee Machine. Reel. No. 1004

Turns 1758 Cor. +1 09 Depth 1867 fms.

Shot or lead 60 lb

Bottom gn M  
 Bottom temperature 35.0

No. of thermometer 62919 Cor. +0.1

Corrected temperature 35.1

Air 49 Surface 48 Drift

Trawl or dredge Intermediate Net.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1. 25. 50	05. 00	0	1. 29. 00	71 10.
16. 25	04. 10	100	33 00	
27. 40	03. 10	200	34. 70	2:10.2
28. 20	02. 30	300		
29. 45	01. 30	400		
30. 45	00. 30	500		
31. 45	59. 30	600		
33. 00	58. 40	700		
34. 05	57. 45	800		
35. 15	57. 05	900		
36. 25	56. 15	1000		
37. 30	55. 15	1100		
38. 50	54. 10	1200		
40. 00	53. 05	1300		
41. 10	52. 00	1400		
42. 40	50. 50	1500		
44. 00	49. 45	1600		
45. 10	48. 30	1700		
46. 15	47. 45	1758		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Put surface over bar 30'.  
 Towed Intermediate net at 170 fms.

P. 109, 76.0



	2500		
	2600		
	2700		
	2800		
	2900		
	3000		
	3100		
	3200	4183	159
	3300	1758	56
	3400	2425	109
	3500		1758
	3600		1867
	3700		
	3800		
	3900		
	4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		4183	159	
50		1758	56	
100		2425	109	
200			1758	
300			1867	
400				
500	* Lower Net closed at			
600	100 fms. Few Sagitta			
700	and Crustacea			
800				
900				
1000				

REMARKS:

Synchro tow net  
 Few small crustacea  
 larval crabs  
 Upper Net + Upper net from  
 100 fms to surface. Numerous  
 Sagitta, young shrimps and  
 Amphipod Crustacea. \*

507. *SRD* 54° 17' = 172° 30'

No. *3408 Hyd* Date *Aug 22/98*

*Sigsbee* Machine. Reel. *Harvey's*

Turns *1870* Cor. + *172* Depth *1930* fms

Shot or lead *60 lb*

Bottom *gn M. + fine S.*

Bottom temperature *35.1*

No. of thermometer *63902* Cor. *-*

Corrected temperature *35.0*

Air *48* Surface *47* Drift *S x W 1/4 N.*

Trawl or dredge *(Mog) 1.6*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
M. DOWN.	M. UP.		DOWN.	UP.
<i>7.41.20</i>	<i>25.70</i>	0		
<i>42.30</i>	<i>24.70</i>	100		
<i>43.01</i>	<i>23.70</i>	200		
<i>44.34</i>	<i>22.75</i>	300		
<i>45.36</i>	<i>21.75</i>	400		
<i>46.41</i>	<i>20.30</i>	500		
<i>47.42</i>	<i>19.30</i>	600		
<i>48.47</i>	<i>18.30</i>	700		
<i>49.56</i>	<i>17.35</i>	800		
<i>51.09</i>	<i>16.30</i>	900		
<i>52.21</i>	<i>15.30</i>	1000		
<i>53.32</i>	<i>14.35</i>	1100		
<i>54.49</i>	<i>13.30</i>	1200		
<i>56.06</i>	<i>12.30</i>	1300		
<i>57.23</i>	<i>11.70</i>	1400		
<i>58.51</i>	<i>10.00</i>	1500		
<i>60.15</i>	<i>08.45</i>	1600		
<i>8.01.50</i>	<i>07.30</i>	1700		
<i>02.70</i>	<i>06.00</i>	1800		
<i>03.45</i>	<i>8.05.30</i>	<i>1820</i>		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*0209 175.0*

		2500	
		2600	
		2700	
		2800	
		2900	
4183	159	3000	
1870	47	3100	
<u>363</u>	112	3200	
	1870	3300	
	<u>1932</u>	3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		<del>4183</del>	<del>159</del>	
50		<del>182</del>		
100		<del>4001</del>		
200			182	
300				
400		4183	159	
500		1820	47	
600		2863	112	
700			1820	
800			1932	
900				
1000				

REMARKS:

~~7-21-14~~

*J.K.H.*  $53^{\circ}48' = 173^{\circ}11'$

No. 3409 Hyd. Date Aug. 23, 1893.  
 Sigsbee Machine. Reel. Navy #2  
 Turns 1836 Cor. + 112 Depth 1948 fms  
 Shot or lead 60 lbs.  
 Bottom br m dk. s  
 Bottom temperature 35.1  
 No. of thermometer 63902 Cor. -  
 Corrected temperature 35.1  
 Air 50 Surface 48 Drift  
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9-04-40	47-15	0		
05-30	46-00	100		
06-15	45-05	200		
07-10	44-10	300		
08-00	43-15	400		
09-00	42-20	500		
10-00	41-20	600		
11-00	40-20	700		
12-05	39-20	800		
13-15	38-20	900		
14-20	37-20	1000		
15-35	36-20	1100		
16-50	35-15	1200		
18-10	34-10	1300		
19-25	33-05	1400		
20-45	32-00	1500		
22-05	30-40	1600		
23-20	29-00	1700		
24-45	27-50	1800		
25-15	9-27-25	1836		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

made 4/10 mi while reeling in  
 @ 5/8 d.

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
4183	159	3500	
1836	47	3600	
2347	112	3700	
	1836	3800	
	<u>1948</u>	3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		4183	159	
50		1836	47	
100		2347	112	
200			1836	
300			1948	
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

RS.  $53^{\circ} 29' = 171^{\circ} 51'$

No. 3411 Hyd. Date Aug 23<sup>rd</sup> 93  
 Sigsbee Machine. Reel. Mary #2  
 Turns 1345 Cor. + 84 Depth 1429 fms.  
 Shot or lead 60 lb  
 Bottom gn M. s. b. S.  
 Bottom temperature 35.2  
 No. of thermometer 63902. Cor. —  
 Corrected temperature 35.2  
 Air 50 Surface 48 Drift  
 Trawl or dredge

## SOUNDING WIRE.

## DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4.9.45	40.40	0		
10.38.	39.41	100		
11.21	38.23	200		
12.15	37.23	300		
13.13	36.24	400		
14.24	35.26	500		
15.34	34.26	600		
16.40	33.28	700		
17.54	32.29	800		
19.07	31.27	900		
20.15	30.23	1000		
21.32	29.18	1100		
23.01	28.13	1200		
24.23	27.05	1300		
25.02	4.26.35	(1345) 1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Plog = 65.2

Made 1.0 mile E 7/8 Mary #2  
 while reeling in.

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
4183	159	3100	
1345	75	3200	
<u>2838</u>	84	3300	
	1345	3400	
	<u>1429</u>	3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		4183	159	
50		1345	75	
100		2838	84	
200			1345	
300			1429	
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

*J. K. H.*  $53^{\circ}09' = 170^{\circ}31'$

No. 3411 Hyd. Date Aug. 23, 1893.  
 Sigsbee Machine. Reel. Heavy #2  
 Turns 965 Cor. + 62 Depth 1027 fms.  
 Shot or lead 60 lbs.  
 Bottom blk s  
 Bottom temperature 35.8  
 No. of thermometer 63902 Cor. —  
 Corrected temperature 35.8  
 Air 50 Surface 49 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10-13-35	37-05	0		
14-35	35-45	100		
15-40	34-55	200		
16-45	34-25	300		
17-55	33-15	400		
19-10	32-20	500		
20-30	31-20	600		
21-50	30-20	700		
23-10	29-20	800		
24-35	28-10	900		
25-35	18-27-05	965 <del>1000</del>		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*Made 3/10 mi N x W (Mag) while reeling on*

*P. Log: 18.2*



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

4183 159  
965 97  
3218 62  
965

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		4183	159	
50		965	97	
100		3218	62	
200			965	
300			1027	
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

*SRD.*  $53^{\circ}38' = 170^{\circ}39'$

No. *3412* *Hyd* Date *Aug 24/93*  
*Sigsbee* Machine. Reel. *Ruby*  
 Turns *1101* Cor. + *70* Depth *1171 fms.*  
 Shot or lead *60 lb*  
 Bottom *blk S & Clay*  
 Bottom temperature  
 No. of thermometer *None* Cor.  
 Corrected temperature  
 Air *48* Surface *47* Drift  
 Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>8.45.30</i>		0		
<i>47.00</i>	<i>11.42</i>	100		
<i>48.19</i>	<i>10.42</i>	200		
<i>49.26</i>	<i>9.43</i>	300		
<i>50.32</i>	<i>8.44</i>	400		
<i>51.44</i>	<i>7.44</i>	500		
<i>53.01</i>	<i>6.45</i>	600		
<i>54.14</i>	<i>5.47</i>	700		
<i>55.44</i>	<i>4.48</i>	800		
<i>57.09</i>	<i>3.49</i>	900		
<i>58.36</i>	<i>2.50</i>	1000		
<i>9.0.18</i>	<i>1.28</i>	1100 (1101)		
<i>0.20</i>	<i>9.1.24</i>	<del>1200</del>		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*Log = 59.0*

*Made 1 mile white sailing in*

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
4183	159	3100	
1101	89	3200	
<u>3082</u>	<u>70</u>	3300	
	1101	3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		4183	159	
50		1101	89	
100		3083	70	
200			1101	
300			1171	
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

54° 08' = 170° 47'

No. 3413 Hyd. Date Aug. 24<sup>th</sup> 1893.

Sigsbee Machine. 2 Reel. Navy.

Turns 990 Cor. + 63 Depth 1053 fms.

Shot or lead 60.

Bottom fm M & fine S.

Bottom temperature

No. of thermometer } None taken. Cor.

Corrected temperature

Air 49 Surface 48 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
29-45	79.00	0		
30-45	70.60	100		
31-45	19.50	200		
33-10	18.45	300		
34-30	17.30	400		
36-00	16.15	500		
37-15	15.00	600		
38-45	13.30	700		
40-15	14.45	800		
41-45	09-30	900		
43-20	6-08-00	990		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Pat. log read - 99.8

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

4183	159
990	96
<u>3193</u>	<u>63</u>
	990
	<u>1053</u>

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		4183	159	
50		990	96	
100		3193	63	
200			990	
300			1053	
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Shot failed to de-  
tach -

NOT. *J.K.H.* *Abukau Bay*  
 $54^{\circ} 13' - 165^{\circ} 58'$

No. *3414* Hyd. Date *Aug. 31, 1893*

Tanner Machine. Reel.

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

Shot or lead *25 lbs*

Bottom *dk gy S*

Bottom temperature *44.5*

No. of thermometer *66724* Cor. *+0.1*

Corrected temperature *44.6*

Air *51* Surface *46* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>9-01-35</i>	<i>02-55</i>	0		
<i>02-05</i>	<i>9-02-10</i>	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*9 handlines over at 905 -  
 in at 915  
 Caught: 1 Bristard Halibut*

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

SERIAL TEMPERATURES.

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

REMARKS:

JKH  
507

Shutansay -  
54°10' = 165° 54'

No. 3415 Hyd Date Aug. 31, 1893

Tanner Machine. Reel.

Turns 40 Cor. + 2 Depth 42

Shot or lead 25 lbs.

Bottom sh gy S

Bottom temperature 45.0

No. of thermometer 63902 Cor. -

Corrected temperature 45.0

Air 51 Surface 46 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9-47-50		0		
48-20	9-48-25	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

9 hauls over at 9.48; in at 9.59  
Caught: Mice



2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

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

REMARKS:

*F. H. H.*

*Shut out Bay -*  
 $54^{\circ} 07' = 165^{\circ} 51'$

No. *3416* Hyd Date *Aug 31, 1893.*

*Tanner* Machine. Reel.

Turns *36* Cor. + *2* Depth *38*

Shot or lead *25 lbs.*

Bottom *blk M fine s*

Bottom temperature *45.0*

No. of thermometer *63902* Cor. *-*

Corrected temperature *45.0*

Air *54* Surface *47* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>10-45-40</i>	<i>47-05</i>	0		
<i>46-05</i>	<i>10-46-10</i>	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*9 handlines over at 10.49; in at 11.03*  
*Caught 2 cod.*

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

SERIAL TEMPERATURES.

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

REMARKS:

J.H.H.  
1893.

54° 12' - 165° 42'

Akutan Bay -

No. 3546 Date Aug 31, 1893

Tanner Machine. Reel.

Turns 34 Cor. + 2 Depth 36

Shot or lead 25 lbs

Bottom G. bk Sh

Bottom temperature 45.6

No. of thermometer 63902 Cor. -

Corrected temperature 45.6

Air 54 Surface 47 Drift

Trawl or dredge large beam & mud bag

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11-24-40	25-50	0	11-44-05	12-01-06
25-00	11-25-05	100	48-00	11-58-40
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

8 sandlines over at 11.26; mid 11.42  
Caught 5 cod.

Drift 1 mile (old comp)

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURES.

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

## REMARKS:

4 flounders. *Epidoscotta*.1 *Atheresthes*1 *Oculypis* *Hemilepidotus*.

2 doz sm flounders

1/2 bush ophiurians.

1 pk urchins.

1/2 pt shells: *Placuanomia* clams & Ca  
glw stars, sponges, crabs, *Stenopus* all small3 *Pennatulids*.

54° 16' = 165° 45'  
off Skutumpah Bay.

No. 3547 D<sup>r</sup> Date Aug 21/93.

Machine. Reel.

Turns 49 Cor. + 2 Depth 51 fms.

Shot or lead 25 lb

Bottom fine bk s.

Bottom temperature 45

No. of thermometer 63902 Cor. -

Corrected temperature 45.0

Air 54 Surface 47 Drift

Trawl or dredge large beam.

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
12.38.56.	40.38.	0	1. 1. 56	25.09
39.36	12.39.41	100	4.35	21.44
		(130)	8.50	1.20.30
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Put over 3 hand lines at 12.39  
in at 12.57. caught nothing.

Log = 13.7

Put over surface tow net at 1.5.45 -  
in at 1.20.03. caught few small fish, crustacea  
and fish eggs

Drift 7 mile NNE 1/4 E (mag)

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

SERIAL TEMPERATURES.

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

REMARKS:

4 Shrimpers. → *Citharichthys*  
 3 " " *Microstomus*,  
 2 " " *Atherin*  
 1 sm *Halibut*  
 2 *Astrophysion*  
 1/2 pt *Ophurans*,  
 few shells, sm fish shrimps, starfish, urchin,  
 coral ascidians (young),  
 few pebbles.

607.

*M.R.S.*

54° 18' = 165° 41'  
off *Skum Islands*

No. *3417* *Hyd.* Date *Aug 31/93*

*Tanner* Machine. Reel.

Turns *43* Cor. + *2* Depth *45 fms.*

Shot or lead *25 lb*

Bottom *G. brk sh.*

Bottom temperature *45.*

No. of thermometer *63902* Cor. *-*

Corrected temperature *45.0*

Air *51* Surface *46.* Drift

Trawl or dredge.

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1.33.24</i>	<i>56.31</i>	0		
<i>33.59</i>	<i>1.36.01</i>	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*Log 17.1*



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

SERIAL TEMPERATURES.

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

REMARKS:

007.

*J.P.S.* Unimak Pass.

54° 26' - 165° 28'

No. 3418 *Hyd* Date Aug 31/93

Sigsbee Machine. Reel.

Turns 81 Cor. + 3 Depth 84 fms

Shot or lead 35 lb

Bottom G. s. cr. bk. S.

Bottom temperature 41.5

No. of thermometer 63902 Cor. -

Corrected temperature 41.5

Air 50 Surface 46 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3.48.35	50.12	0		
49.06	3.49.09	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*Log - 31.8.*

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

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

REMARKS:

Mr. Hughes  
807.

$54^{\circ}14' = 165^{\circ}33'$

No. 3419 Hyd Date Aug 31/93

Tanner Machine. Reel.

Turns 22 Cor. + 1 Depth 23 fms

Shot or lead Bossuett

Bottom Lm gy. S.

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 55 Surface 47 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5-52-00	—	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		

pl. 49, 0

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURES.

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

REMARKS:

71007. <sup>Hughes</sup> 54° 13' 45" - 165° 33' 30"

No. 3420 Hyd Date Aug 31/93

~~Barner~~ Machine. Reel.

Turns 22 Cor. + 1 Depth 23 fms -

Shot or lead Baermann

Bottom fine gy. S.

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air 55 Surface 47 Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5-57-00	—	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		

p. l. 49.5

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

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

REMARKS:

54° 13' 30" = 165° 34'

107.  
K.C. 3.

No. 3421 Hyd Date Aug 31, 1893

Tanner Machine. Reel.

Turns 27 Cor. + 1 Depth 28 fms -

Shot or lead Bassnett Tube

Bottom fine gy. S.

Bottom temperature } none  
No. of thermometer } taken Cor.  
Corrected temperature }

Air 55 Surface 47 Drift -

Trawl or dredge -

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
6-03-00	—	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 TEMPERATURES.

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

REMARKS:

*W.C.*

$54^{\circ} 13' 15'' = 165^{\circ} 34' 30''$

No. 3422 Hyd Date Aug 31, 1893

Tanner Machine. — Reel.

Turns 24 Cor. + 1 Depth 25 fms.

Shot or lead Bassnett Tube

Bottom fine-gr. S. bk. Sp.

Bottom temperature } none taken

No. of thermometer } Cor. —

Corrected temperature

Air 55 Surface 47 Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>6-09-</i>	—	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*pl. 50.5*

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURES.

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

REMARKS:

54° 13' = 165° 35'

No. 3423 Hyd Date Aug 31, 1893  
 Tanner Machine. — Reel.

Turns 25 Cor. + 1 Depth 26 fms —

Shot or lead Bassett Tube

Bottom fine gy. S. Sh.

Bottom temperature } none

No. of thermometer } taken Cor. —

Corrected temperature

Air 55 Surface 47 Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
6-15-00	—	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		

pl. 51.0

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

SERIAL TEMPERATURES.

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

REMARKS:

*J.M.H.*  
107.

54° 36' N 165° 27'

No. 3424 Hyd Date Sept 1, 1893

Tanner Machine. Reel.

Turns 109 Cor. + 4 Depth 113 fms

Shot or lead 25 lbs.

Bottom blk S. G.

Bottom temperature 39.0

No. of thermometer 63902 Cor.

Corrected temperature 39.0

Air 50 Surface 46 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>A.M.</i>		0		
7-53-00	56-15	100		
54-40	54-55	<del>200</del>		
54-45	7-54-50	109		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*P. Log: 85.2*

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

SERIAL TEMPERATURES.

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

REMARKS:

S.P.D. 54° 44' 165° 42'

No. 3548 Dr. Date Sept 1<sup>st</sup> 1893

Turns 87 Cor. + 4 Depth 91

Shot or lead 25 lb

Bottom bk s.

Bottom temperature 39.5

No. of thermometer 63902 Cor. -

Corrected temperature 39.5

Air 57 Surface 47 Drift

Trawl or dredge large beam.

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
Down.	Up.		Down.	Up.
9.3.25	5.48	0	9.6.00	39.20
4.31	9.4.40	100	9.40	29.30
		200	13.45	26.14
		(210)	14.10	9.25.43
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Put over surface tow net at 9.7.  
 hi at 9.24. Caught: - numerous very small  
 crustacea, 1 small fish.

P Log 95.4.



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

SERIAL TEMPERATURES.

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

REMARKS:

7 species Ovals: 1 *Podothecus acipenserinus*,  
 few small Agonidae; 1/2 bu' *Urechis*: 1 Pint  
*Ophiurians*: 1 qt *Chironomus* & prawns. 4 sp of  
 3 *Soluta* shells: 2 qt Small shells hermit  
 crab; 3 wt of sharp shells; few small pebbles  
 1 qt. worm tubes.

807. *SRG Conto*

No. *3578 D.* Date *Sept. 1/93*

Machine. Reel.

Turns Cor. + Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *52* Surface *48* Drift

Trawl or dredge *James intermediate net*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		(50) <sup>0</sup>	9 37.16	54.50
		100	40.00	9 53.05
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Messenger started at 9.52.30  
 Direct bar (unif)

Drift 1.5 mile W 1/2 S

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

*Joined at a depth  
 of 50 fms.*

SERIAL TEMPERATURES.

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

Upper Bag: - REMARKS:  
*Many small Crustacea*  
*Lower Bag closed at 50 fms; few small*  
*Crustacea.*

35000' 166° 10'

No. 3549 Dr. Date Sept 1/93

Sigsbee Machine. Reel.

Turns 75 Cor. + 3 Depth 78

Shot or lead 25 lb

Bottom fine bl. S.

Bottom temperature 40.1

No. of thermometer 6902 Cor. —

Corrected temperature 40.1

Air 53, Surface 49, Drift

Trawl or dredge K.B.

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
11.54.12	56.15	0	11.57.15	21.30
33.41	11.55.47	100	12.0.35	18.15
		200	03.00	17.14.30
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Put surface net over for 15'.  
 Caught - Murexians small crustacea  
 and fish.

Made 2 miles 777777

Sigsbee 14.4

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

SERIAL TEMPERATURES.

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

REMARKS:

Small optus.  
 r of shells. Numerous sps.  
 + Star fish.  
 few crabs, prawns  
 h. Anemone.

55° 12' 166° 36'

No. 3475 Date Sep 1 '93

Machine. Reel. Turns 98 Cor. + 3 Depth 81

Shot or lead 25 lb.

Bottom ~~S. M.~~ S. M.

Bottom temperature

No. of thermometer 63904 Cor. -

Corrected temperature 39.9

Air 53 Surface 49 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
17.05	19.40	0		
17.45	18.00	18		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

P. 209 37.8

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

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

REMARKS:

*J. K. H.*  
NOT.

55° 24' 167° 02'

No. 3550 Date Sept 1, 1893.

Tanner Machine. Reel.

Turns 73 Cor. + 3 Depth 76 fms

Shot or lead 25-lbs.

Bottom ~~brn~~ M

Bottom temperature 39.0

No. of thermometer 63902 Cor. -

Corrected temperature 39.0

Air 51 Surface 48 Drift <sup>8</sup>/<sub>10</sub> mi NNW <sup>1</sup>/<sub>2</sub> W

Trawl or dredge Large beam (mag)

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4-26-50	28-50	0	4-29-30	53-40
27-25	4-27-30	100	34-50	50-35
		180	37-30	4-17-45
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Surface net over at 1.33, in at 4.46  
 Caught: few *am* Crustacea  
 " " fish

P Log: 53.2



		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
545	12	3800	
73	9	3900	
472	3	4000	

SERIAL TEMPERATURES.

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

REMARKS:

1/2 bu sm starfish  
 2 qts shells, several sp.  
 few sm fishes and worms.

55° 36' 1670 28'

No. 3551 Dr. Date Sept 1<sup>st</sup> 1893

Sigsbee Machine. Reel.

Turns 71 Cor. + 3 Depth 74

Shot or lead 25 lb

Bottom gn. M.

Bottom temperature 39.1

No. of thermometer 63902 Cor. -

Corrected temperature 39.1

Air 49 Surface 47 Drift

Trawl or dredge large beam

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
6.56.10	57.51	0	6.58.50	7.25.14
56.49	6.58.52	100	7.02.42	7.21.15
		180	7.05.25	7.18.16
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Log = 72.8

But on surface net at 72.42 mi at 4.15.44 caught. 1/2 doz omi fish.

Drift. 4 x W 1/2 W (avg) 1.2 mile

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

SERIAL TEMPERATURES.

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

REMARKS:

1 pit sin yellow stars full of mud  
2 qts shells. 1 doz sp.  
Few hermit crabs and worms.  
1 Lycodes  
3 Anemones

05° 47' 167° 53'

No. 3426 Hyd Date Sept 11 '93

Machine. Reel.

Turns 75 Cor. + 3 Depth 78 fms

Shot or lead 25 lbs

Bottom fine, black s.

Bottom temperature 38.8

No. of thermometer 63907 Cor. -

Corrected temperature 38.8

Air 49 Surface 47 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9.27.35	30.10	0		
28.45	28.50	75		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

P. Log, 92.8

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

SERIAL TEMPERATURES.

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

REMARKS:

55° 59' 168.° 19'

No. 3427 Hyd. Date Sept 1 1893

Machine. Reel.

Turns 76 Cor. + 3 Depth 79 fms

Shot or lead 25 lb

Bottom fine g. s.

Bottom temperature 39

No. of thermometer 63907 Cor. -

Corrected temperature 39.0

Air 49 Surface 46 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11. 29. 30	31. 10	0		
11. 30. 40	30. 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		

P. Log. 13.7

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURES.

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

REMARKS:

*56° 11' 168° 45'*

No. *3428* Hyd. Date *Sept 2, 1893*  
 Machine. *Tanner* Reel.

Turns *93* Cor. + *4* Depth *97 fms*

Shot or lead *25 lbs.*

Bottom *fine dk s*

Bottom temperature *39.0*

No. of thermometer *63902* Cor. *-*

Corrected temperature *39.0*

Air *48* Surface *46* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1-36-10</i>	<i>39-05</i>	<i>0</i>		
<i>37-00</i>	<i>1-37-05</i>	<i>93</i>		
		<i>100</i>		
		<i>200</i>		
		<i>300</i>		
		<i>400</i>		
		<i>500</i>		
		<i>600</i>		
		<i>700</i>		
		<i>800</i>		
		<i>900</i>		
		<i>1000</i>		
		<i>1100</i>		
		<i>1200</i>		
		<i>1300</i>		
		<i>1400</i>		
		<i>1500</i>		
		<i>1600</i>		
		<i>1700</i>		
		<i>1800</i>		
		<i>1900</i>		
		<i>2000</i>		
		<i>2100</i>		
		<i>2200</i>		
		<i>2300</i>		
		<i>2400</i>		

*P. Log: 33.6*



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

545 12  
93  

---

452

SERIAL TEMPERATURES.

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

REMARKS:

807.

S.P.D. 56° 22' 169° 09'

No. 3429 Hyd Date Sept 2/93.

Tanner Machine. Reel.

Turns 74 Cor. + 3 Depth 77

Shot or lead 75 lb

Bottom cu s.s.

Bottom temperature 40.

No. of thermometer 63902 Cor. -

Corrected temperature 40.0

Air 49 Surface 47 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5.2.40	3.52	0		
3.13	5.3.15	(74)		
		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. Log. 54.

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURES.

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

REMARKS:

56° 28' 169° 28'

No. 3552 <sup>Dr.</sup> Date Sept 2<sup>nd</sup> 93

James Machine. Reel.

Turns 32 Cor. + 2 Depth 54 fms

Shot or lead 25 lb

Bottom bk & sky.

Bottom temperature 39.8

No. of thermometer 63902 Cor. -

Corrected temperature 39.8

Air 50 Surface 47 Drift

Trawl or dredge large beams

SOUNDING WIRE.

DREDGE ROPE.

Acc DOWN.	Acc UP.	TURNS.	Acc DOWN.	Acc UP.
6.35.01	36.21	0	6.37.01	49.40
35.39	6.35.42	100 (130)	41.08	46.32
		200	42.23	6.44.30
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Drift .5 mile S 20° W

P Log 65.8

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURES.

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

## REMARKS:

Small haul from rocky bottom  
 Fragments of Bryozoa,  
 few shells, worms, shrimp, crab, ophiuroid,  
 ascidians, starfish, 1 large Anemone

507. S. R. S: 56° 28' 169° 46'

No. 3553 Date Sept 2/93.

Tanner Machine. Reel.

Turns 49 Cor. + 2 Depth 51 fms

Shot or lead 25 lb

Bottom fine gy Ss M.

Bottom temperature 39.5

No. of thermometer 63902 Cor. -

Corrected temperature 39.5

Air 48 Surface 48 Drift .8

Trawl or dredge Large Beam Trawl

SOUNDING WIRE.		TURNS.	DREDGE ROPE. Moq.	
DOWN.	UP.		DOWN.	UP.
7.58.35	59.46	0	8.00.30	45.30
7.58.58	7.59.00	100	07.05	47.15
		<del>200</del>	07.40	8.11.30
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Put surface wire at 8.11  
 is at 8.11 - Change at -  
 This small crinoid. Small fish  
 one small squid.

P. Log = 76.

		2500	
		2600	
		2700	
		2800	
		2900	
545	12	3000	
49		3100	
496		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

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

REMARKS:

1 bu ophiurians, 1 bu sand dollars,  
 1 " large shells, half filled with  
 ferric oxide, few large crabs,  
 1 dog. Sponges, ascidians,  
 few worms and shrimp,  
 the vitellinities, 1/2 dog  
 podosheens (alligator fish)

56° 28' 170° 04'

No. 3429-1 Date Sept 7 1903  
 Machine. Reel.

Turns 59 Cor. + 2 Depth 61 fms

Shot or lead 25 lb.

Bottom gn m y mud.

Bottom temperature 39.3

No. of thermometer 62907 Cor. -

Corrected temperature 39.3

Air 49 Surface 47 Drift

Trawl or dredge

'SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9, 37.00	34.00	0		
33.00	9, 33.10	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Put 6 hand lines over cor 7"  
 caught nothing

P. Log 86.2.



2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

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

REMARKS:

560 34' 170° 19'

No. 3554 Date Sept. 7 '93

Machine. Reel.

Turns 60 Cor. + 2 Depth 62

Shot or lead 25 lb.

Bottom gn. M.

Bottom temperature 39.5

No. of thermometer 63907 Cor. -

Corrected temperature 39.5

Air 48 Surface 47 Drift 7 M x 7 N 1/4 W

Trawl or dredge Large Beam - Mag.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.53.50	10.55.10	0	10.56.30	11.10.00
54.40	10.54.30	60	11.00.30	16.10
		100	07.30	11.14.10
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

But surface was at 11.5  
 at 11.13. Caught, nothing

P. R. O. P. 96.4

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

SERIAL TEMPERATURES.

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

REMARKS:

one small skate, one cith-  
 aric shrimp, 7 or 8 large  
 shells, 1 qt small soft fish  
 2 qts small shells, 1 dog sp  
 1 dog large crabs,  
 few shrimps, ophiurians,  
 fishes & worms.

*F.H.H.*  $56^{\circ} 45' 170^{\circ} 18'$

No. *3555* Dr. Date *Sept. 2, 1893*

Tanner Machine. Reel.

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

Shot or lead *25 lbs.*

Bottom *dk gn M.*

Bottom temperature *40.2*

No. of thermometer *63902* Cor. *-*

Corrected temperature *40.2*

Air *47* Surface *46* Drift *1 mi N. N. W.*  
(mag)

Trawl or dredge *Large beam*

## SOUNDING WIRE.

## DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>P.M.</i> <i>12-41-25</i>	<i>42-35</i>	0	<i>P.M.</i> <i>12-48-55</i>	<i>13-30</i>
<i>41-50</i>	<i>12-41-55</i>	100	<i>47-50</i>	<i>1-10-20</i>
		120	<i>48-40</i>	<i>12-59-30</i>
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*Surface tows net over at 12.40, in at 12.58*  
*Caught nothing.*

*P. Log. 8.5*

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

545 12

SERIAL TEMPERATURES.

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

REMARKS:

1 lg *Hemistripteris* (smp -  
 (shrimp feet)  
 1 *Cyclopterus*, 3 small *Alligator* fishes  
 1 bu lg Shells, 1/2 bu *Ophurians*  
 1/2 dz lg Crabs, few sm Crabs  
 few lg Worms, few Shrimps  
 1 dz sp sm shells.

No. *3430* Hyd Date *Sept 2 1903*  
*3430* Tanner Machine. Reel.

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

Shot or lead *25 lbs.*

Bottom *gn m fine blk s*

Bottom temperature *40.6*

No. of thermometer *62902* Cor. *-*

Corrected temperature *40.6*

Air *49* Surface *46* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>P.M.</i> <i>2-36-30</i>	<i>37-40</i>	0		
<i>36-50</i>	<i>2-37-00</i>	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*P Log 20.3*

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

545 12

SERIAL TEMPERATURES.

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

REMARKS:

F. N. H.  
507.

56° 57' 30" 170° 33'

No. 3556 Dr. Date Sept 2, 1893

Tanner Machine. Reel.

Turns 47 Cor. + 2 Depth 49

Shot or lead 25 lbs.

Bottom gn M fine S

Bottom temperature 41.0

No. of thermometer 63902 Cor. -

Corrected temperature 41.0

Air 49 Surface 46 Drift 1 1/2 mi N 1/4 W

Trawl or dredge Large beam mag

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
3-21-25	22-30	0	3-22-30	41-35
21-45	3-21-50	100	26-45	38-45
		120	27-20	3-38-00
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Surface net over at 3:27, in at 3:38  
: numerous small Sagitta.



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

SERIAL TEMPERATURES.

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

REMARKS:

<sup>4</sup>  
 Few sponges, shrimps  
 1/2 Bu' large shells & Ophiurians  
 few social Ascideans.  
 few small fishes & ~~Urotherians~~  
 Holothurians

57-04 = 170-24<sup>9</sup>

No. 3539 Dr. Date Sept 2/93

Tanner, Machine. Reel.

Turns 25 Cor. + 1 Depth 26

Shot or lead 25 lb

Bottom Soft Sh. S. Sp

Bottom temperature 45.

No. of thermometer 63902 Cor. -

Corrected temperature 45.0

Air 48 Surface 45. Drift

Trawl or dredge Large beam

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4.49.55	50.31	0	4.51.35	5.0.3
50.11	4.50.13	(75)	54.20	4.59.11
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Sounding - 3539

Drift 1 mile N.W. W. W. W.

545 12

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



SERIAL TEMPERATURES.

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

REMARKS:

1 *Lepidopsella* (7 rounded)  
 few *Placuranomia* (Black open) -  
 1/2 pk *Urechis*  
 Several species Hydroids  
 few small Ascidians, sponges, shells,  
 starfishes & sp.

No. 3558 ~~SI~~ Date Sept 3<sup>rd</sup> 1893  
 Turner Machine. Reel.

Turns 24 Cor. + 1 Depth 25 fms.

Shot or lead 45 lb.

Bottom ~~gy~~ S x dk. Spis.

Bottom temperature 42.

No. of thermometer 63907 Cor. -

Corrected temperature 42.0

Air 46 Surface 45 Drift. 1-SE x 1/2 E

Trawl or dredge Large Beam. -mod-

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7. 04. 15	7. 05. 00	0	7. 24. 00	33. 30
04. 30	04. 35	100	27. 00	7. 29. 00
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

27- haul lines over for 15"  
 Caught 5 cod.

P. Log 53, 8

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
545	17	3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
3	did not	66722	—	—
25	trip,			
10	45.2	63907	—	45.2
15	45.3	63907	—	45.3
200				
300				
400				
500				
600				
700				
800	worms, annelids,			
900	corals, aphidians			
1000	entire mass of sponges			

REMARKS:

1 Bu sponge, several sp.  
 1 pt. shells, *Placuranthia*,  
 many mussels, 1 *Liparis*,  
 1 large white *anemone*,  
 1 *Muricea* sp., 1 *Siphon*  
 Several sp. shells, small corals,  
 sponges, bryozoans,

Rock  
 again

507.

*FMH*  
 56° 56' N; 169° 52' W

No. 3559 Dr. Date Sept. 3, 1893.

Tanner Machine. Reel.

Turns 37 Cor. + 2 Depth 39

Shot or lead 25 lbs.

Bottom gy S bk sh. (mud bag) (sand bottom)

Bottom temperature 42.5

No. of thermometer 63902 Cor. -

Corrected temperature 42.5

Air 47 Surface 46 Drift <sup>5/10</sup> mi E (mag)

Trawl or dredge large beam & mud bag

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>9-17-10</i>	18-00	0	<i>9-32-00</i>	53-20
<i>17-25</i>	9-17-30	100	36-50	19-35
		120	37-35	9-45-50
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

8 hauls over at 9.18, in at 9.29  
 caught: m.

Dredge to bottom at 9.58, in at 9.49  
 Caught nothing.

P. Log. 67.0

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
5715	12	3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
5 <del>25</del>	45.0	63919	-	45.0
10 <del>50</del>	45.0	<del>66724</del>	-	45.0
20 <del>100</del>	41.2	62358	-0.1	41.1
30 <del>200</del>	41.0	63902	-	41.0
300				
400				
500				
600				
700				
800				
900				
1000 #	66724 at 10 fms did not trip.			

REMARKS:

1 <sup>giant</sup> *Leptidopsitta*, 1 <sup>giant</sup> *Hyndespidotus*  
 several sp *Agonidae* few Starfishes  
 & *Ephurians*, 1 *Astrophyton*, few  
 spongy Crabs, Worms & Shrimps  
 1 pk Sponges.

507.

*J.H.H. S.P.* 56° 48' N. 109° 26' W ✓

No. 3431 Hyd Date Sept. 3, 1893.

Tanner Machine. Reel.

Turns 41 Cor. + 2 Depth 43

Shot or lead 25 lbs

Bottom gn M

Bottom temperature 39.0

No. of thermometer 63902 Cor. —

Corrected temperature 39.0

Air 47 Surface 45 Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

11-48-31 49-40  
48-50 11-48-55

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

5 hauls over at 11.49; in at 12.02  
Caught nothing.

Log: 82.5



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

545

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
5-25	46.0	63919	0.0	46.0
10-50	45.5	62358	-0.2	45.3
20-100	42.5	66724	+0.1	42.6
30-200	37.0	63902	-	37.0
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

*SB* 56° 40' N. 109° 50' W ✓

No. 3560 D<sup>n</sup> Date Sept 3/93

Tanner Machine. Reel.

Turns 41 Cor. + 2 Depth 43

Shot or lead 35 lb

Bottom fine gy S. bl Sp

Bottom temperature 40.7

No. of thermometer 63902 Cor. —

Corrected temperature 40.7

Air 47 Surface 45 Drift

Trawl or dredge large beam

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1-10-20	11-28	0	1-12-44	31-48
10-49	1-10-51	100	16-16	28-40
		(120)	17-01	1-27-57
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
P. Log.	92-3	2300		
		2400		

Drift 7 miles E 1/2 N. (mag)

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

SERIAL TEMPERATURES.

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

REMARKS:

<sup>group</sup>  
 1 *Nemilepidotus*: few smaller fishes.  
 1 pk whitish water *Acidians*: attached to  
 Hydroids: 1 doz social *acidians*: attached  
 to sand dollar, doz crabs 1/2 doz spec.  
 few narrow *ophurans*: *Byozoa* hydroids

507. *SRB 56° 31' N. 169° 17' W.*

No. *3561* Date *Sept 13/93*

Tanner Machine. Reel.

Turns *46* Cor. + *2* Depth *48*

Shot or lead *25 lb*

Bottom *gy. s. bl. sh. & sh.*

Bottom temperature *40.7*

No. of thermometer *63902* Cor. *-*

Corrected temperature *40.7*

Air *48* Surface *45* Drift

Trawl or dredge *L.B.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>2.51.30</i>	<i>52.27</i>	0	<i>2.54.58</i>	<i>14.22</i>
<i>51.58</i>	<i>2.51.59</i>	100 <i>(140)</i>	<i>56.51</i>	<i>11.01</i>
		200	<i>58.50</i>	<i>3.9.20</i>
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*P Log = 3.7*

*Drift .8 mile E S E (long)*

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

545

12

## SERIAL TEMPERATURES.

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

REMARKS:

*F.M.H.*  $54^{\circ} 01' 30'' = 166^{\circ} 23' 00''$

No. *3432* Hyd Date *Sept 8, 1893.*

*Tanner* Machine. Reel.

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

Shot or lead *25 lbs.*

Bottom *g. + br. s.*

Bottom temperature *44.7*

No. of thermometer *63902* Cor. *—*

Corrected temperature *44.7*

Air *51* Surface *47* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>7-22-50</i>	<i>23-50</i>	0		
<i>23-10</i>	<i>7-23-15</i>	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*P. Log. 25.0*

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

1540

SERIAL TEMPERATURES.

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

REMARKS:

607.

*J.M.H.*  $54^{\circ}05'00'' = 166^{\circ}18'$

No. *3433* Hyd Date *Sept 8, 1893.*

*Tanner* Machine. Reel.

Turns *47* Cor. + *2* Depth *49 fms*

Shot or lead *25 lbs*

Bottom *Rock*

Bottom temperature *43.2*

No. of thermometer *63902* Cor. *-*

Corrected temperature *43.2*

Air *52* Surface *47* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>7-53-40</i>	<i>54-35</i>	0		
<i>54-00</i>	<i>7-54-05</i>	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*P. Log: 24.0*



	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
525	3700	
	3800	
	3900	
	4000	

**SERIAL TEMPERATURES.**

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

**REMARKS:**


507. S.P.S.  $54^{\circ}09' = 166^{\circ}15'$

No. 3434 *Hyd.* Date Sept 8/93  
 Tanner Machine. Reel.

Turns 52 Cor. + 2 Depth 54

Shot or lead 25 lb

Bottom brk Shs G.

Bottom temperature 42.1/2

No. of thermometer 63902 Cor. —

Corrected temperature 42.5

Air 52 Surface 45 Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
Down.	Up.		Down.	Up.
2-38.01	39.58	0		
38.57	2.39.02	(52)		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

S. Log. 29.4

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

**SERIAL TEMPERATURES.**

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

**REMARKS:**

507.

*S.P.S.*  $54^{\circ} 12' 00'' = 166^{\circ} 09'$

No. *3435* Date *Sept 9 1893*

*Lucas* Machine. Reel.

Turns *53* Cor. + *1* Depth *57*

Shot or lead *25 lb*

Bottom *dk G.*

Bottom temperature *42.1*

No. of thermometer *63902* Cor. *-*

Corrected temperature *42.1*

Air *51* Surface *45* Drift

Trawl or dredge

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

*9-14.01* *13.56*

*14.52* *9-15.03*

0  
(55)

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

*P. Long - 357*

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

545

12

SERIAL TEMPERATURES.

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

REMARKS:

507. *WS*  $54^{\circ}16'40'' = 165'50'$

No. *3436* Date *Sept 18 93*

*Tanner* Machine. Reel.

Turns *47* Cor. + *2* Depth *49*

Shot or lead *15 lb*

Bottom *dk gy S.*

Bottom temperature *44*

No. of thermometer *63902* Cor. *-*

Corrected temperature *44.0*

Air *57* Surface *45* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>Am</i> 10.45.45		0		
<i>46-9</i>	<i>10.46.10</i>	(47) 100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*S. Long 117.8*

56. 54. 46.