



Japanese
Cruise
#7

D4996 - 5035

4886 next Hy
4996 u Dr

Japanese Cruise

1906

9

No. 7

=

No. *D. 4996*. Date *22 Sep. 06*

Machine. Reel.

Turns Cor.+ (Depth *86 fms.*

Shot or lead *from Sounding on D. 4995*

Bottom *No Sounding on this station.*

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *67°* Surface *67°* Drift

Trawl or dredge *9' Agassiz.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	<i>3.24.55</i>	<i>3.57.00</i>
		100	<i>27.40</i>	<i>53.50</i>
		200	<i>3.30.20</i>	<i>3.50.30</i>
		300	<i>= 20 min.</i>	
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	P.L.	-
		2600	Weather	bar. 9
		2700	Wind	SSW. 4
		2800	Aneroid	29.79
		2900	Sea	N.
		3000	Chart	H.O. 2124
		3100	Course PSC.	East.
		3200	Lat. 45° 35' 00" N.	
		3300	Long. 140° 55' 00" E.	
		3400	Bomasiri Shima	
		3500	S. 19° E. (tr.), dist.	
		3600	6.6 miles.	
		3700	(off N. end Rebuin Is.)	
		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				

11-1023

REMARKS:

No. 4997 Date 23 Sep 06
 Machine. Lucas Reel. Lucas
 Turns 318 Cor.+ 35⁴ Depth 318
 Shot or lead Lucas Cup
 Bottom gn m
 Bottom temperature 32.9
 No. of thermometer 108155 Cor. -0.1
 Corrected temperature 32.8
 Air 62.0 Surface 60.0 Drift
 Trawl or dredge 9 Agassiz

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
46 00	53 00	0	58 45	52 45
47 00	52 00	100	58.04.30	49 30
48 55	51.25	200	05 10	46 30
48 55	50.40	300	07 00	43 15
49 10	50.25	400	09 50	40 00
		500	12 50	37 10
		550	14 15	34.40
		600		
		700		
		800		
		900		
		1000	20. m.	
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	<i>P.L.</i>	<i>93.1</i>
		2600	<i>Weather</i>	<i>be -</i>
		2700	<i>Wind</i>	<i>N/N/W 1-2</i>
		2800	<i>Sea</i>	<i>S</i>
		2900	<i>Bar</i>	<i>29.78</i>
		3000	<i>Chart</i>	<i>1777</i>
		3100	<i>Course</i>	<i>E 11</i>
		3200	<i>Lat</i>	<i>4° 38' 40"</i>
		3300	<i>Long</i>	<i>140° 24' 30"</i>
		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				

11-1023

REMARKS:

No. *1997*Date *23 Sep 06*

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air *63°*Surface *60°*

Drift

Trawl or dredge *is 2-3*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	<i>9. 00.30</i>	<i>4.10</i>
		100	<i>03.30</i>	<i>39.50</i>
		200	<i>16.30</i>	<i>36.00</i>
		300	<i>09.30</i>	<i>32.00</i>
		<i>320</i> 400	<i>16.30</i>	<i>09.30.40</i>
		500		
		600		
		700	<i>Found 20 m at 250 fath of 250 fms</i>	
		800		
		900		
		1000		
		1100		
		1200	<i>Net on bottom came up full of mud but then came away</i>	
		1300		
		1400		
		1500		
		1600	<i>Top cups came up and spaced</i>	
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600	Weather	bc 1
		2700	Wind	NW 2
		2800	Sea	5
		2900	Bar	29.78
		3000	Course	W
		3100	Chart	1771
		3200	Lat	40° 39'
		3300	Long	14° 26'
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	60			
50	59	104914	-0.3	58.7°
75	46.7	106021	-0.2	47.5°
100	37.7	108155	-0.1	36.9°
150	34.1	106019	-0.1	34.0°
200	32.1	98244	-0.1	32.0°
500				
600				
700		5 m	to	set
800		down	at	9.56
900				
1000				

11-1023

REMARKS:

100
50
25
15
12

5 Therm. & 10. B.

No. *1998*Date *23 Sep 16*Machine. *Lucas*Reel. *Lucas*

Turns

Cor. +

Depth *66*Shot or lead *35 lb*Bottom *bn M*

Bottom temperature

No. of thermometer *10855*Cor. *- 0.1*Corrected temperature *35.9*Air *60*Surface *60*

Drift

Trawl or dredge *9*

SOUNDING WIRE.

DOWN. *Am*

UP.

TURNS.

DREDGE ROPE.

DOWN. *Am*

UP.

<i>10.49.30</i>	<i>5205</i>	0	<i>10.56.00</i>	<i>2720</i>
<i>Sp 15</i>	<i>105105</i>	100	<i>11.00.30</i>	<i>2410</i>
		150	<i>02.30.11</i>	<i>2230</i>
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	<i>P.L.</i>	<i>98.4</i>
		2600	<i>Weather</i>	<i>Ln 1</i>
		2700	<i>Wind</i>	<i>N N W 2-3</i>
		2800	<i>Sea</i>	<i>5</i>
		2900	<i>Bar</i>	<i>29.77</i>
		3000	<i>Course</i>	<i>S by E</i>
		3100	<i>Chart</i>	<i>177</i>
		3200	<i>Lat</i>	<i>20° 39' 10</i>
		3300	<i>Long</i>	<i>141° 38' 40</i>
		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				

11-1023

REMARKS:

De Long
 No. *10.4999* Date *Sept 23/06*
Tanner Machine. Reel. *Tanner*
 Turns Cor.+ Depth *31 faths.*
 Shot or lead *30 lbs.*
 Bottom *gy. M., gn. S.*
 Bottom temperature *42.6°*
 No. of thermometer *108155* Cor. *-.1°*
 Corrected temperature *42.5°*
 Air *57°* Surface *60°* Drift
 Trawl or dredge *9' Agassiz.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>P.M.</i>	<i>P.M.</i>		<i>P.M.</i>	<i>P.M.</i>
<i>1-00-50</i>	<i>1-02-00</i>	0	<i>1-11-15</i>	<i>1-37-30</i>
		<i>31</i>		
<i>1-01-10</i>	<i>1-01-20</i>	100	<i>1-14-25</i>	<i>1-34-25</i>
		200	<i>20 min.</i>	
		300	<i>100 fath wire out</i>	
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	<i>P.L.</i>	
		2600	<i>Heather</i>	<i>Se. 1</i>
		2700	<i>Wind</i>	<i>N. W. 3</i>
		2800	<i>Sea</i>	<i>S.</i>
		2900	<i>Bar.</i>	<i>29.78</i>
		3000	<i>Course</i>	<i>South.</i>
		3100	<i>Chart</i>	<i>H.O. 1777</i>
		3200	<i>Lat.</i>	<i>47° 38' 20" N</i>
		3300	<i>Long.</i>	<i>141° 39' E.</i>
		3400	<i>Bearings:-</i>	
		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				

11-1023

REMARKS:

*8 hand lines over side from 12.45 to 1.00 P.M.
 Catch 2 Cod (4 + 5 lbs.), and 2 sculpins.*

No. *11-5000*Date *Sept 23, 1906*

Machine.

Reel.

Turns

Cor. +

Depth *Estm. 31 fath.*

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air *58°*Surface *60°* DriftTrawl or dredge *9' Agassiz*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	<i>1-45-40</i>	<i>2-10-30</i>
		<i>75</i>		
		100	<i>1-45-00</i>	<i>2-05-00</i>
		200	<i>20 min</i>	
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600	Weather bc.	1
		2700	Wind N. E.	3
		2800	Sea S.	
		2900	Bar. 29.78	
		3000	Course South	
		3100	Chart No. 1777	
		3200	Lat. 47° 37' 30" N.	
		3300	Long. 141° 42' 30" E.	
		3400	Bearings:-	
		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				

11-1023

REMARKS:

No. 5001

Date Sept 23/06

Tanner Machine.

Reel. Tanner

Turns

Cor. +

Depth 30 fath.

Shot or lead 30 lbs.

Bottom gn. M., gy L.

Bottom temperature No thermometer.

No. of thermometer

Cor.

Corrected temperature

Air 58°

Surface 60°

Drift

Trawl or dredge 9' Agassiz

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
P.M.	P.M.		P.M.	P.M.
2-15-10	2-16-10	0	2-19-10	2-44-00
2-15-25	2-15-30	30	2-21-25	2-41-25
		100		
		200		
		300	75 fath out. Towd 20 min.	
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600	<i>Weather bc. 1</i>	
		2700	<i>Wind N. Eb. 3</i>	
		2800	<i>Sea S.</i>	
		2900	<i>Bar. 29.78</i>	
		3000	<i>Course South</i>	
		3100	<i>Chart 18.0. 1777</i>	
		3200	<i>Lat. 47° 35' N.</i>	
		3300	<i>Long. 141° 43' E.</i>	
		3400	<i>Bearings.</i>	
		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				

11-1023

REMARKS:

No. *10.5002.*Date *Sept 23, 1906*

Machine. Reel.

Turns Cor. +

Depth *Est. 30 fath*

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air *59°*Surface *60°*

Drift

Trawl or dredge *9' Agassiz*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN. <i>P.M.</i>	UP.
		0	<i>2-50-40</i>	<i>3-15-30</i>
		<i>75</i>		
		100	<i>2-53-10</i>	<i>3-13-10</i>
		200	<i>= 20 min</i>	
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600	Weather	bc. 1
		2700	Wind	N.W. 3
		2800	Sea	S.
		2900	Bar.	29.79
		3000	Course	South.
		3100	Chart	H.O. 1777
		3200	Lat.	47° 33' 30" N.
		3300	Long.	141° 45' E.
		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				

11-1023

REMARKS:

No. *10. 5003* Date *Sept 23/06*Tanner Machine. Reel. *Tanner*

Turns Cor. +

Depth *35 fath.*Shot or lead *30 lb.*Bottom *fine gy S, gr. M.*Bottom temperature *42.5*No. of thermometer *108155* Cor. *-.1°*Corrected temperature *42.4*Air *59°* Surface *60°* DriftTrawl or dredge *P. Agassiz*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>P</i>	<i>M</i>		<i>P</i>	<i>M</i>
<i>3-21-05</i>	<i>3-22-20</i>	0	<i>3-25-00</i>	<i>3-51-30</i>
<i>3-21-25</i>	<i>3-21-30</i>	35	<i>3-27-30</i>	<i>3-48-30</i>
		100	<i>80 fath wire out</i>	
		200	<i>Towed 21 min.</i>	
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	Weather bc.	1
		2600	Wind N. W.	3
		2700	Sea S.	
		2800	Bar.	29.79
		2900	Course South	
		3000	Chart H.O. 1777	
		3100	Lat	47° 32' 30" N.
		3200	Long.	141° 45' E.
		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				

11-1023

REMARKS:

No. *D. 5004.* Date *23 Sep. 06.*
T. N. Machine. Reel.

Turns Cor.+ Depth *38 fms.*

~~Shot~~ or lead *long shank 30 lb*

Bottom *gn. M.*

Bottom temperature *41° 3*

No. of thermometer *108155* Cor. *- . 1*

Corrected temperature *41° 2*

Air *60°* Surface *60°* Drift

Trawl or dredge *9' Agassiz.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>3.58.55</i>	<i>4.00.25</i>	0	<i>4.03.30</i>	<i>4.28.45</i>
<i>3.59.25</i>	<i>3.57.30</i>	<i>(38)</i> 100	<i>4.06.00</i>	<i>4.26.00</i>
		200	<i>= 20 min</i>	
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	Weather	bc 1.
		2600	Wind	NW 3-4.
		2700	Sea	S.
		2800	Aneroid	29.80
		2900	Chart	No. 1777.
		3000	Course PSO	South.
		3100	Lat. 47° 31' N.	
		3200	Long. 141° 44' 30" E.	
		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				

11-1023

REMARKS:

No. *D 5005* Date *24 Sep 18**T 11* Machine. Reel. *T 11*Turns Cor.+ Depth *42*Shot or lead *Ad Rod*Bottom *gn M fine yg S ?*Bottom temperature *30.8*No. of thermometer *108155* Cor.Corrected temperature *30.8°*Air *59.* Surface *58°* DriftTrawl or dredge *9*

SOUNDING WIRE.

DOWN. UP.

TURNS.

DREDGE ROPE.

DOWN. UP.

8.14.45 8.00
*17 15 8.17.20*0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400*8.27.00 8.53.30*
*29 30 8.50.00**20 20*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	<i>L</i>	<i>35.9</i>
		2600	<i>Weather</i>	<i>Temp 5</i>
		2700	<i>Wind</i>	<i>SW 4 W 3</i>
		2800	<i>Sea</i>	<i>C</i>
		2900	<i>Bar</i>	<i>30.02</i>
		3000	<i>Course</i>	<i>SE</i>
		3100	<i>Chart</i>	<i>1277</i>
		3200	<i>Lat</i>	<i>46° 4' 40"</i>
		3300	<i>Long</i>	<i>142° 25' 30"</i>
		3400		
		3500	<i>Miwa Bay</i>	
		3600	<i>Lafhalin Id</i>	
		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				

11-1023

REMARKS:

No.

15006

Date

Sept 26

Machine.

Reel.

Turns

Cor. +

Depth

43

Shot or lead

30

Bottom

gy M fine gy S

Bottom temperature

36.2

No. of thermometer

108155

Cor. -

Corrected temperature

36.1

Air

59

Surface

58

Drift

Trawl or dredge

9"

gassing

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

8.56.05

15.30

0

8.45.16.50

16.50

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

8.56.05

15.30

0

8.45.16.50

16.50

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

8.56.05

15.30

0

8.45.16.50

16.50

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	<i>P.L.</i>	
		2600	<i>Wachen</i>	<i>bc</i>
		2700	<i>Wind</i>	<i>WNIN 3</i>
		2800	<i>Sea</i>	<i>5</i>
		2900	<i>Bar</i>	<i>30.05</i>
		3000	<i>Course</i>	<i>S.E.</i>
		3100	<i>Chart</i>	
		3200	<i>Lat</i>	<i>17° 31' 00</i>
		3300	<i>Long</i>	<i>142° 29'</i>
		3400		
		3500	<i>Mawa Bay</i>	
		3600	<i>Sabbatin Id</i>	
		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				

11-1023

REMARKS:

No. 15007

Date 24 Sep

Machine. TN

Reel.

Turns

Cor. +

Depth 42

~~Shot or lead~~ 30

Bottom gy m fine gy S

Bottom temperature 34.9

No. of thermometer 108155

Cor. -0.1

Corrected temperature 34.8

Air 29

Surface 58

Drift

Trawl or dredge 9

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9.35.40	37.5	0	9.41.0	07.39
38.10	9.36.15	100	44.00	10.04.00
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	<i>25</i>	
		2600	<i>Weather</i>	<i>6-22</i>
		2700	<i>Wind</i>	<i>10-22 3</i>
		2800	<i>Sea</i>	<i>2</i>
		2900	<i>Bar</i>	<i>30.05</i>
		3000	<i>Course</i>	<i>S. by E.</i>
		3100	<i>Chart</i>	<i>1711</i>
		3200	<i>Lat</i>	<i>46° 03' 00"</i>
		3300	<i>Long</i>	<i>142° 31'</i>
		3400		
		3500	<i>Arrive Bay</i>	
		3600	<i>Sakhalin Id.</i>	
		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				

11-1023

REMARKS:

No.

5001
FN

Date

24 Sept 06

Machine.

Reel.

Turns

Cor. +

Depth

40

Shot or lead

30

Bottom

gn m fine gy 5

Bottom temperature

34.8

No. of thermometer

108155

Cor. - .1

Corrected temperature

33.9

Air

Surface

Drift

Trawl or dredge

Agassiz

SOUNDING WIRE.

DREDGE ROPE.

TURNS.

DOWN.

UP.

DOWN.

UP.

10.51.05 245

0

10.55.30 2130

51.30 10.51.45 40

100

5900 19.00

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

20 m

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	<i>L</i>	<i>40.9</i>
		2600	<i>Weather</i>	<i>Clear</i>
		2700	<i>Wind</i>	<i>NW 2</i>
		2800	<i>Sea</i>	<i>2</i>
		2900	<i>Bar</i>	<i>30.09</i>
		3000	<i>Current</i>	<i>E to SE</i>
		3100	<i>Chart</i>	<i>1771</i>
		3200	<i>Lat</i>	<i>46° 07' 50"</i>
		3300	<i>Long</i>	<i>142° 37' 20"</i>
		3400		
		3500	<i>Mewa Bay</i>	
		3600	<i>Sakhalin Isd</i>	
		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				

11-1023

REMARKS:

No. *185009* Date *Sept 24/06*
T.M. Machine. Reel. *T.M.*
 Turns Cor.+ Depth *25 fath*
 Shot or lead *35#*
 Bottom *gn. M.*
 Bottom temperature *38.6*
 No. of thermometer *108155* Cor. *-.1°*
 Corrected temperature *38.6*
 Air *72°* Surface *61°* Drift
 Trawl or dredge *9' Agassiz*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1-35-00</i>	<i>1-36-10</i>	0	<i>1-40-10</i>	<i>2-04-00</i>
<i>1-35-25</i>	<i>1-35-35</i>	25	<i>1-42-10</i>	<i>2-02-10</i>
		100	<i>60 fath wire</i>	
		200	<i>Towed 20 min.</i>	
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	<i>P.L.</i>	<i>59.3</i>
		2600	<i>Weather</i>	<i>bc. 1</i>
		2700	<i>Wind</i>	<i>Variable 1-2</i>
		2800	<i>Sea</i>	<i>L.</i>
		2900	<i>Bar.</i>	<i>30.07</i>
		3000	<i>Chart</i>	<i>N.O. 1777</i>
		3100	<i>Course</i>	<i>S.E.</i>
		3200	<i>Lat.</i>	<i>46° 24' 10" N.</i>
		3300	<i>Long</i>	<i>142° 40' 00" E.</i>
		3400	<i>Bearings:-</i>	
		3500		
		3600		
		3700	<i>Aniwa Bay</i>	
		3800	<i>Dagholu Island.</i>	
		3900		
		4000		

SERIAL TEMPERATURES.

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

11-1023

REMARKS:

No. *D. 5010*Date *Sept 24/06**T.M.*

Machine.

Reel.

T.M.

Turns

Cor. +

Depth *21 fath*~~Shot or lead~~ *35#*Bottom *gn. M, S.*Bottom temperature *47.2° (?)*No. of thermometer *108155* Cor. *- .1°*Corrected temperature *47.1° (?)*Air *66°*Surface *60°*

Drift

Trawl or dredge *9' Agassiz*

SOUNDING WIRE.

DOWN. *P.M.* UP.

TURNS.

DREDGE ROPE.

DOWN. *P.M.* UP.*3-14-10 3-15-00*

0

*3-21-40 3-45-15**3-14-20 3-14-25*~~100~~*3-23-25 3-43-25*

200

30 fath out

300

Towed 20 min.

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	<i>P.L.</i>	<i>65.0</i>
		2600	<i>Weather</i>	<i>bo. 1</i>
		2700	<i>Wind</i>	<i>L.L.W. 3</i>
		2800	<i>Sea</i>	<i>L.</i>
		2900	<i>Bar.</i>	<i>30.06</i>
		3000	<i>Lat.</i>	<i>46° 30' 30" N</i>
		3100	<i>Long.</i>	<i>142° 43' 30" E</i>
		3200	<i>Course</i>	<i>L.E.</i>
		3300	<i>Chart</i>	<i>H.O. 1777</i>
		3400	<i>Bearings:</i>	<i>- Horsahorek</i>
		3500	<i>Lt N. 3° E.</i>	<i>dist. 9.5</i>
		3600	<i>mi.</i>	
		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				

11-1023

REMARKS:

No. *H 4885-*Date *Sept 24/06**T. N.*

Machine.

Reel. *T. N.*

Turns

Cor. +

Depth *32 fath.*~~Shot or lead~~ *35[#]*Bottom *gn M. S.*Bottom temperature *40.0°*No. of thermometer *10815-5-*

Cor.

Corrected temperature *39.9°*Air *65°*Surface *60°*

Drift

Trawl or dredge

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN. *P. M.*

UP.

DOWN.

UP.

*3-54-00 3-55-10**3-54-15 3-54-45*

0

32~~100~~

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	<i>Chart</i>	<i>HO 1777</i>
		2600	<i>Lat.</i>	<i>46° 30' 20" N</i>
		2700	<i>Long.</i>	<i>142° 44' 30" E</i>
		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				

11-1023

REMARKS:

No. *D. 5011* Date *25 Sep. 06*
T. N. Machine. Reel.

Turns Cor.+ Depth *42 fms.*

Shot or lead *long shank 30A*

Bottom *gn. M.*

Bottom temperature *34°*

No. of thermometer *108155* Cor. *-5*

Corrected temperature *33.9*

Air *56°* Surface *58°* Drift

Trawl or dredge *9' Agassiz*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>3.02.30</i>	<i>3.04.10</i>	0	<i>3.09.55</i>	<i>3.36.10</i>
<i>3.03.00</i>	<i>3.03.15</i>	<i>42</i> 100	<i>3.12.50</i>	<i>3.32.50</i>
		200		
		300	<i>= 20 min =</i>	
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	<i>O.R.</i>	<i>98.4</i>
		2600	<i>Weather</i>	<i>Dem g.</i>
		2700	<i>Wind</i>	<i>West 4</i>
		2800	<i>Sea</i>	<i>C.</i>
		2900	<i>Aneroil</i>	<i>29.70</i>
		3000	<i>Chart</i>	<i>H.O. 1777.</i>
		3100	<i>Course 90</i>	<i>South.</i>
		3200	<i>Lat. 46° 18' 30" N</i>	
		3300	<i>Long. 143° 05' 40" E</i>	
		3400	<i>Aniwa Bay</i>	
		3500	<i>Sakhalin Id.</i>	
		3600		
		3700		
		3800	<i>Aniwa Bay</i>	
		3900	<i>Sakhalin Id.</i>	
		4000		

SERIAL TEMPERATURES

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

11-1023

REMARKS:

No. 25012 Date 25 Sep. 06

Machine. Reel.

Turns Cor. +

Depth 42 fms

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Corrected temperature

Air 56° Surface 58° Drift

Trawl or dredge 9' Agassiz.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	3:43.40	09.45
		100	3:46.25	4.06.25
		200		
		300	= 10 min.	
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	Weather	as D. 5011.
		2600	Wind	
		2700	Sea	
		2800	Current	
		2900	Chart	A.O. 1777.
		3000	Course	South
		3100	Lat. $46^{\circ}17'50''$ N	
		3200	Long. $143^{\circ}08'30''$ E.	
		3300	Arriva Bay,	
		3400	Sakhalin Id.	
		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:

No.

5013

Date

25 Sep 16

Machine.

Reel.

Turns

Cor. +

Depth

43

Shot or lead

Cm lead Sube

Bottom

?

Bottom temperature

36.8

No. of thermometer

108155

Cor.

-0.1

Corrected temperature

36.7

Air

55

Surface

57.8

Drift

Trawl or dredge

9"

Lg. net

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

4.16 25 18.50
16.50 4.17.50

0
100
43

4.22 25 49.00
25.25 4.53.30

Accorded 1-
m to 2-1/2

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

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	<i>P.L.</i>	-
		2600	<i>Beaker</i>	<i>cr 9</i>
		2700	<i>Wind</i>	<i>10/10</i>
		2800	<i>Sea</i>	<i>C</i>
		2900	<i>Bar</i>	<i>29.7</i>
		3000	<i>Course</i>	<i>5</i>
		3100	<i>Point</i>	<i>17.7</i>
		3200	<i>Lat</i>	<i>46° 17' 00"</i>
		3300	<i>Long</i>	<i>143° 09' 00"</i>
		3400		
		3500	<i>Miwa Bay</i>	
		3600	<i>Sakhalin Id</i>	
		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				

11-1023

REMARKS:

No. *105014* Date *Sept 26/06*
Lucas Machine. Reel. *Lucas*
 Turns Cor.+ Depth *329 fath*
 Shot or lead *35-lb + Sigsbee cup.*
 Bottom *gn. M.*
 Bottom temperature *33°*
 No. of thermometer *10815-5* Cor. *-.1°*
 Corrected temperature *34.9°*
 Air *52°* Surface *58°* Drift
 Trawl or dredge *9' Agassiz*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>7-45-25</i>	<i>7-52 45</i>	0	<i>7-57-50</i>	
<i>46-35</i>	<i>52-00</i>	100	<i>8-00-40</i>	
<i>47-40</i>	<i>51-15</i>	200	<i>3-15</i>	
<i>48-50</i>	<i>50-25</i>	300	<i>6-05</i>	<i>45-10</i>
<i>49-55</i>	<i>7-50 10</i>	<i>329</i>	<i>9-00</i>	<i>41-10</i>
		400	<i>11-50</i>	<i>37-50</i>
		500	<i>8-14-30</i>	<i>8-34-30</i>
		600		
		700		
		800		
		900		
		1000	<i>Stopped for 2 1/2</i> <i>mins with 290</i> <i>fath wire out.</i>	
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Lost 9' Agassiz frame, net.
 No. 8. sound weight, Tare net, floats.
 Bridle, 216 fms. dredge wire, etc.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	<i>P.L.</i>	
		2600	<i>Weather</i>	<i>beam 3</i>
		2700	<i>Wind</i>	<i>N. N. W. 4-5</i>
		2800	<i>Sea</i>	<i>S</i>
		2900	<i>Bar</i>	<i>29.85</i>
		3000	<i>Course</i>	<i>West</i>
		3100	<i>Chart</i>	<i>N.O. 1777</i>
		3200	<i>Lat.</i>	<i>46° 46' 00" N</i>
		3300	<i>Long</i>	<i>144° 00' 00" E</i>
		3400	<i>Bottom:</i>	
		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				

11-1023

REMARKS:

Wire came off chair below acc. at 200 fath. Net carried away. Acc. registered 3 tons. Cut off 216 fath. wire and let go overboard.

507
Lucas No. *105015* Date *Sept 26/06*
Lucas Machine. Reel. *Lucas*
 Turns Cor.+ Depth *5-10 fath*
 Shot ~~or lead~~ *35# + Siegel cup*
 Bottom *gn. M.*
 Bottom temperature *36.0°*
 No. of thermometer *108155* Cor. *-.1°*
 Corrected temperature *35.9°*
 Air *5-1°* Surface *5-6°* Drift
 Trawl or dredge *9' alt. Blk.*

SOUNDING WIRE.			TURNS.	DREDGE ROPE.		
DOWN.	<i>am.</i>	UP.		DOWN.	<i>am.</i>	UP.
<i>9</i> 47 55	<i>9-57-25</i>		0	<i>10-02-15</i>	<i>11.08.20</i>	
48 40	<i>56-35</i>		100	4-50	<i>05.15</i>	
49 35	<i>55-55</i>		200	8-30	<i>11.02.10</i>	
50 30	<i>55-05</i>		300	11-10	<i>59.15</i>	
51 30	<i>54-20</i>		400	13-50	<i>56.05</i>	
52 30	<i>53-30</i>		500	16-30	<i>52.50</i>	
<i>9-52-35</i>	<i>9-53-20</i>		510 600	19-10	<i>49-75</i>	
			700	21-45	<i>45-40</i>	
			750 800	<i>10-23-26</i>	<i>10-43-25</i>	
			900			
			1000		<i>= 20 min.</i>	
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600	<i>Weather horn</i>	
		2700	<i>Wind. S.W. 4</i>	
		2800	<i>Sea. C.</i>	
		2900	<i>Bar. 29.87</i>	
		3000	<i>Course West</i>	
		3100	<i>Chart H.O. 1777.</i>	
		3200	<i>Lat. 46° 44' N</i>	
		3300	<i>Long. 144° 02' E</i>	
		3400	<i>Bearings</i>	
		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				

11-1023

REMARKS:

No. *D-5016* Date *26 Sep. 1906.*Machine. *Lucas* Reel. *Lucas*Turns Cor.+ Depth *64 fms.*Shot or lead *35 lb 2 S.S. Cup.*Bottom *bn. M. fine. bk. S. **)*Bottom temperature *29.9 *)*No. of thermometer *108155* Cor. *- .1*Corrected temperature *29.8*Air *48°* Surface *54°* DriftTrawl or dredge *9' Agassiz.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1.00.45</i>	<i>1.03.00</i>	0	<i>1.20.20</i>	<i>1.33.20</i>
<i>1.01.40</i>	<i>1.02.25</i>	<i>64/100</i>	<i>23.20</i>	<i>29.45</i>
		<i>120</i>	<i>1.24.10</i>	<i>1.28.50</i>
<i>x) Another trial with the same thermometer, at the same place, gave the same result. Thermometer #108029 was tried and registered 29.8, corrected 29.7.</i>		300	<i>= 4 min 40s.</i>	
		400		
		500	<i>Net slightly torn.</i>	
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
<i>** and rky as evidenced by accum- later while dredging; also red. Coral, found in trawl.</i>		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	P. L.	94.8
		2600	Weather	Tem 6
		2700	Wind	Wht, 5-6
		2800	Sea	C.
		2900	Baroid	29.89
		3000	Chart	H. O. 1777.
		3100	Course PSC	Wot.
		3200	Lat. 46° 44' 30" N.	
		3300	Long. 143° 45' 00" E.	
		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				

11-1023

REMARKS:

No. *5017* Date *26 Sep. 1906.*

Machine. Reel.

Turns Cor.+ Depth *64 **Shot or lead *No Sounding.*

Bottom

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *48°* Surface *54°* DriftTrawl or dredge *9' Alb. - Blake*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	<i>1.46.00</i>	<i>2.05.30</i>
		100	<i>1.49.20</i>	<i>2.02.00</i>
		200	<i>= 13 min.</i>	
		300	<i>net torn rather badly.</i>	
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600	Weather	
		2700	Wind	
		2800	Sea	as D. 50 fms.
		2900	Aneroid	
		3000	Chart	
		3100	Course PSC	W. S. W.
		3200	Lat. $46^{\circ} 43' 30''$ N.	
		3300	Long. $143^{\circ} 45' 00''$ E.	
		3400	Cape Tonin	
		3500	N. 59° W (br.) ? dist.	
		3600	12.5 miles.	
		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				

11-1023

REMARKS:

No. *H. 4886*. Date *26 Sep. 06.**Lucas* Machine. Reel. *Lucas*Turns Cor.+ Depth *82 fms.*Shot or lead *35 lb & S.S. Cap.*Bottom *bn. M. bk. S. P.*Bottom temperature *30°1*No. of thermometer *108019*. Cor. *-.1*Corrected temperature *30°*Air *49°* Surface *54°* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>2.48.20</i>	<i>2.50.35</i>	0		
<i>2.49.00</i>	<i>2.49.55</i>	<i>(82)</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		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	P. L.	99.8
		2600	Weather	
		2700	Wind	
		2800	Sea	-
		2900	Current	
		3000	Chart	H. O. 1777.
		3100	Coast PSC	-
		3200	Lat. $46^{\circ}43'30''N.$	
		3300	Long. $143^{\circ}52'30''E$	
		3400	Cape Tonin bore	
		3500	$N 68^{\circ}W$ (true),	
		3600	dist. 17 miles	
		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				

11-1023

REMARKS:

No. *D. 5018* Date *26 Sep. 06.*

Machine. *Lucas* Reel. *Lucas*

Turns Cor.+ Depth *100 fms.*

Shot ~~or~~ lead *35 lb. 2 S.S. Cup.*

Bottom *br M sh SP*

Bottom temperature *30.5*

No. of thermometer *108019* Cor. *- .1*

Corrected temperature *30.4*

Air *53°* Surface *57°* Drift

Trawl or dredge *9' Agassiz*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>3.18.00</i>	<i>3.20.50</i>	0	<i>3.24.45</i>	<i>3.58.30</i>
<i>3.18.55</i>	<i>3.19.55</i>	100	<i>27.40</i>	<i>53.40</i>
		200	<i>3.30.40</i>	<i>3.50.40</i>
		300	<i>= 20 min.</i>	
		400		
		500		
		600	<i>At 3.55.20 stopped heaving in, to gate wire clear of ship's side. At 3.53.40 commene ed heaving in again.</i>	
		700		
		800		
		900		
		1000		
		1100	<i>Net badly torn.</i>	
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	<i>P.L.</i>	<i>2.8</i>
		2600	<i>Weather</i>	<i>boom 3.</i>
		2700	<i>Wind</i>	<i>West 3.</i>
		2800	<i>Sea</i>	<i>S.</i>
		2900	<i>Aneroid</i>	<i>29.88</i>
		3000	<i>Chart</i>	<i>H. O. 1777.</i>
		3100	<i>Course 180</i>	<i>S.S.W.</i>
		3200	<i>Lat. 46° 41' 30" N.</i>	
		3300	<i>Long. 143° 57' 40" E.</i>	
		3400	<i>Cape Tonin bore</i>	
		3500	<i>N 66° W (tr), dist.</i>	
		3600	<i>21.3 miles.</i>	
		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				

11-1023

REMARKS:

No. *115019* Date *26 Sep 06**Lucas* Machine. Reel.Turns Cor. + Depth *19* ✓Shot or lead *35#* *Synthetic* *Ap*Bottom *kn M bk S.F.*Bottom temperature *32.2*No. of thermometer *108019* Cor. *-1*Corrected temperature *32.1*Air *52* Surface *18.0* DriftTrawl or dredge *9 Agassiz*

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

<i>4 20.15</i>	<i>24 10</i>	<i>0</i>	<i>4 28 20</i>	<i>10 45</i>
<i>21 00</i>	<i>23 20</i>	<i>100</i>	<i>31.15</i>	<i>07 40</i>
<i>21 50</i>	<i>22 40</i>	<i>200</i>	<i>34 00</i>	<i>04 40</i>
		<i>300</i>	<i>36 45</i>	<i>02 50</i>
		<i>350</i>	<i>38 30</i>	<i>00 15</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>		

20 m

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	<i>P.L.</i>	<i>4.6</i>
		2600	<i>Weather</i>	<i>bcn 5</i>
		2700	<i>Winds</i>	<i>10</i>
		2800	<i>Sea</i>	<i>2</i>
		2900	<i>Aneroid</i>	<i>24.88</i>
		3000	<i>Chart</i>	<i>1373</i>
		3100	<i>Course PSC</i>	<i>8.5 W.</i>
		3200	<i>Lat.</i>	<i>46° 40' 15"</i>
		3300	<i>Long.</i>	<i>144° 00' 00"</i>
		3400	<i>Cape Town N</i>	
		3500	<i>62° 10'</i>	<i>dist</i>
		3600	<i>23.3 m</i>	
		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				

11-1023

REMARKS:

No. *105020* Date *Sept 27, 1906*

T.N. Machine. Reel. T.N.

Turns Cor.+ Depth *73 fath*~~Shot~~ or lead *Combisinker & tube.*Bottom *gn. M., S., P.*Bottom temperature *31.0*No. of thermometer *108019* Cor. *-.1°*Corrected temperature *30.9°*Air *50°* Surface *48°* DriftTrawl or dredge *9' Agassiz*

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

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

<i>8-01-00</i>	<i>8-04-10</i>	0	<i>8-25-00</i>	<i>8-54-10</i>
		<i>73</i>		
<i>8-01-40</i>	<i>8-02-40</i>	100	<i>28-00</i>	<i>51-10</i>
		<i>150</i>		
		200	<i>8-29-40</i>	<i>8-49-40</i>
			<i>= 20 min</i>	
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	<i>P.L.</i>	<i>32.5-</i>
		2600	<i>Weather</i>	<i>bc. 2</i>
		2700	<i>Wind</i>	<i>S.W. 4</i>
		2800	<i>Sea</i>	<i>S</i>
		2900	<i>Bar.</i>	<i>29.95</i>
		3000	<i>Course</i>	<i>E.S.E.</i>
		3100	<i>Chart</i>	<i>H.O. 1760</i>
		3200	<i>Lat</i>	<i>45° 32' 45" N</i>
		3300	<i>Long.</i>	<i>145° 07' 30" E</i>
		3400		
		3500		
		3600	<i>Appro. skin.</i>	
		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				

11-1023

REMARKS:

No. 10. 5-021

Date Sept 27, 1906

I.N.

Machine.

Reel. I.N.

Turns

Cor. +

Depth 73 fath.

~~Shot or lead~~ 35*

Bottom gn. M., S. P.

Bottom temperature 31.0°

No. of thermometer 108019

Cor. - 1°

Corrected temperature 30.9°

Air 50°

Surface 48°

Drift

Trawl or dredge 9' Agassiz

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

A. M.

A. M.

9-02-40 9-03-30

9-03-30 9-04-00

0

73

100

150

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

9-09-30 9-39-10

12-30 35-50

9-14-15 9-34-15

= 20 min

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600	Weather	bcn 3
		2700	Wind	S. by E. 4
		2800	Sea	S
		2900	Bar	29.95
		3000	Chart	H.O. 1960
		3100	Course	E. S. E.
		3200	Lat	48° 32' 30" N
		3300	Long.	145° 05' 45" E.
		3400		
		3500		
		3600		
		3700	Approx. position,	
		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				

11-1023

REMARKS:

No. *103022* Date *Sept 27, 1906*
Lucas Machine. Reel. *Lucas*
 Turns Cor.+ Depth *109 fath.*
 Shot or lead *35^{lbs} & Ligsbee cup.*
 Bottom *gn. M., crs bk. S.*
 Bottom temperature *30.2°*
 No. of thermometer *108019* Cor. *-.1°*
 Corrected temperature *30.1°*
 Air *50°* Surface *49°* Drift
 Trawl or dredge *9' Agassiz*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>10-21-30</i>	<i>10-24-30</i>	0	<i>10-32-45</i>	<i>11-15-50</i>
<i>22-30</i>	<i>23-45</i>	100	<i>35-40</i>	<i>12-15</i>
<i>10-22-35</i>	<i>10-23-40</i>	<i>109</i> 200	<i>10-38-50</i>	<i>11-08-50</i>
		300		
		400	<i>200 fath wire</i> <i>Towed 30 min</i>	
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	<i>P.L.</i>	<i>37.5</i>
		2600	<i>Breathes</i>	<i>benoy</i>
		2700	<i>Blind</i>	<i>S. Ob. 4</i>
		2800	<i>Sea</i>	<i>S.</i>
		2900	<i>Bar.</i>	<i>29.95</i>
		3000	<i>Course</i>	<i>E.S.E.</i>
		3100	<i>Chart</i>	<i>N.O. 1940</i>
		3200	<i>Lat.</i>	<i>48° 35' 30" N</i>
		3300	<i>Long.</i>	<i>145° 20' E.</i>
		3400		
		3500		
		3600	<i>Approx. again.</i>	
		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				

11-1023

REMARKS:

No. *H. 4887.* Date *27 Sep. 06.*

T.N. Machine. Reel.

Turns Cor.+ Depth *73 fms.*

~~Shot or lead~~ *long shank.*

Bottom *S.P.*

Bottom temperature

No. of thermometer *none used.* Cor.

Corrected temperature

Air *52°* Surface *48°* Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

12.46.25 12.48.30

12.47.10 12.47.11

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

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100	Chart H.O. 1960. Lat. $48^{\circ} 40' 00''$ N Long. $145^{\circ} 08' 00''$ E approximate position: Flat Hill $N 52^{\circ} W$ Cape Rhine $N 86^{\circ} W$. (both to.)	
		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				

11-1023

REMARKS:

No. *D. 5023*. Date *27 Sep. 1906*.

T.N. Machine. Reel.

Turns Cor.+ Depth *75 fms.*

Shot or lead *Long Shank*.

Bottom *S. P.*

Bottom temperature *31°*

No. of thermometer *108019* Cor. *-.1*

Corrected temperature *30.9*

Air *52°* Surface *48°* Drift

Trawl or dredge *9' Agassiz*.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

1.30.00

0

*1.40.00 2.10.30**1.31.30**1.31.32**75* 100*43.00 06.50*

200

1.45.00 2.05.00

300

400

= 20 min.

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	P. L.	52.5
		2600	Weather	beg - 8.
		2700	Wind	SW. 3-4.
		2800	Sea	S.
		2900	Aneroid	29.91
		3000	Chart	HO 1960
		3100	Compass	SSW.
		3200	Lat. $48^{\circ}43'30''$ N	
		3300	Long. $148^{\circ}03'00''$ E	
		3400	Supine position:	
		3500	Flat Hill N. 53° W.	
		3600	Cape Patience S. 77° W.	
		3700	(both to.)	
		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				

11-1023

REMARKS:

No. 2.5024. Date 27 Sep. 06.

T. N. Machine. Reel.

Turns Cor.+ Depth 67 fms.

Shot or lead long shank.

Bottom S. P.

Bottom temperature 51°

No. of thermometer 108019. Cor. -.1

Corrected temperature 30.9

Air 52° Surface 48° Drift

Trawl or dredge 9' Agassiz.

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

2.36.00 2.38.30

2.37.00 2.37.05

2.45.15 3.13.10

48.30 10.20

2.49.20 3.09.30

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

= 20 min.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	P.L.	55.5
		2600	Weather	veg 7.
		2700	Wind	SW 3-4.
		2800	Sea	S.
		2900	Aneroid	29.88
		3000	Chart	H.O. 1960.
		3100	Compass	SSW.
		3200	Lat. 48° 43' 10" N	
		3300	Long. 144° 59' 30" E	
		3400		
		3500	Bearings: Flat Hill.	
		3600	N. 48° W. Cape Patience,	
		3700	S. 72° W.	
		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				

11-1023

REMARKS:

Art. 11
No. *D. 5025* Date *27 Sep. 1906.*

T. N. Machine. Reel.

Turns Cor.+ Depth *52 fms.*

Shot or lead *Long shank.*

Bottom *P.*

Bottom temperature *31.8*

No. of thermometer *108019* Cor. *- .1*

Corrected temperature *31.7*

Air *52°* Surface *48°* Drift

Trawl or dredge *4' Agassiz.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>3.38.40</i>	<i>3.40.50</i>	0	<i>3.46.00</i>	<i>1220</i>
<i>3.39.30</i>	<i>3.39.50</i>	<i>52</i> 100	<i>3.49.10</i>	<i>404 20</i>
		200	<i>= 20 min.</i>	
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	<i>P.L.</i>	<i>58.5</i>
		2600	<i>Weather</i>	<i>bez 7.</i>
		2700	<i>Wind</i>	<i>SW 3</i>
		2800	<i>Sea</i>	<i>S.</i>
		2900	<i>Aneroid.</i>	<i>29.90</i>
		3000	<i>Chart</i>	<i>H.O. 1960.</i>
		3100	<i>Course</i>	<i>PSC South.</i>
		3200	<i>Lat. 48° 43' 30" N.</i>	
		3300	<i>Long. 144° 56' 45" E</i>	
		3400	<i>Flat Hill bore</i>	
		3500	<i>N. 45° W. (tr). dist.</i>	
		3600	<i>Cape Patience</i>	
		3700	<i>S. 68° W. (tr)</i>	
		3800	<i>(Appox.)</i>	
		3900		
		4000		

SERIAL TEMPERATURES.

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

11-1023

REMARKS:

No. *D 5026* Date *28 Sep 06*

Machine. Reel.

Turns Cor.+ Depth *119*Shot or lead *35 lb* *Super cup*Bottom *gn m bk. S. G.*Bottom temperature *30.5*No. of thermometer *108019* Cor. *-.1*Corrected temperature *30.4*Air *49* Surface *47* DriftTrawl or dredge *9 Agassiz*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>9.37.00</i>	<i>510</i>	0	<i>9.45.00</i>	<i>20.50</i>
<i>37.50</i>	<i>13910</i>	100	<i>48.00</i>	<i>17.15</i>
<i>38.00</i>	<i>95900</i>	<i>110</i> 200	<i>50.40</i>	<i>14.00</i>
		<i>250</i> 300	<i>52.10</i>	<i>10.20</i>
		400		
		500		
		600	<i>20 m</i>	
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	<i>P.L.</i>	<i>86.3</i>
		2600	<i>Under</i>	<i>h.c. 1.</i>
		2700	<i>Wind</i>	<i>W 3</i>
		2800	<i>Sea</i>	<i>M</i>
		2900	<i>Bar</i>	<i>29.78</i>
		3000	<i>Course</i>	<i>S. 2. 5.</i>
		3100	<i>Chart</i>	<i>1960</i>
		3200	<i>Lat</i>	<i>18° 36' 10"</i>
		3300	<i>Long</i>	<i>145° 17' 30"</i>
		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				

11-1023

REMARKS:

No. *15027* Date *31 Sep 06*

Machine. Reel.

Turns Cor.+ Depth *188*Shot or lead *35#* *Light Cap*Bottom *fine gy S P ?*Bottom temperature *32.1*No. of thermometer *108019* Cor. *-.7*Corrected temperature *33.1*Air *50* Surface *48* DriftTrawl or dredge *9* *Agassiz*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>10. 8.30</i>	<i>5.33.30</i>	0	<i>11 04.00</i>	<i>4.60.00</i>
<i>9 10</i>	<i>5.24.00</i>	100	<i>07.00</i>	<i>4.53.00</i>
<i>10 20</i>	<i>10. 5.10</i>	200	<i>09.45</i>	<i>4.46.10</i>
		300	<i>12.40</i>	<i>3.38.50</i>
		400	<i>14.30</i>	<i>11.34.35</i>
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*Specimen up
sufficient for
definite
determination*

20 m

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	P.L.	89.8
		2600	Weather	b.c. 1
		2700	Wind	N. N. W. 1
		2800	Sea	3m
		2900	Bar	29.77
		3000	Crewel	2.2 1/2
		3100	Lat	1960
		3200	Lon	145° 27' 30"
		3300	Long	145° 23' 30"
		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				

11-1023

REMARKS:

De Long
 No. *10,5028* Date *Sept 28, 1906*
Lucas Machine. Reel. *Lucas*
 Turns Cor.+ Depth *241 fath.*
 Shot or lead *35# 4 Sigsbee cup*
 Bottom *gn. M., bk S, P.*
 Bottom temperature *33.4°*
 No. of thermometer *108019* Cor. *-.1°*
 Corrected temperature *33.3°*
 Air *50°* Surface *49°* Drift
 Trawl or dredge *9' Agassiz*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>P.M.</i>			<i>P.M.</i>	
<i>1 - 02-15</i>	<i>1 - 07-15</i>	0	<i>1 - 15-35</i>	<i>1 - 59-00</i>
<i>03-30</i>	<i>06-35</i>	100	<i>18-30</i>	<i>56-05</i>
<i>04-30</i>	<i>06-00</i>	200	<i>21-25</i>	<i>53-15</i>
<i>1 - 05-00</i>	<i>1 - 05-35</i>	300 <i>241</i>	<i>24-10</i>	<i>50-15</i>
		400	<i>1 - 27-10</i>	<i>1 - 47-10</i>
		500	<i>= 20 min.</i>	
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	<i>P.L.</i>	
		2600	<i>Weather br. 1</i>	
		2700	<i>Wind S.W. 4-5</i>	
		2800	<i>Sea M.</i>	
		2900	<i>Bar 29.78</i>	
		3000	<i>Course S.S.E.</i>	
		3100	<i>Chart N.O. 1960</i>	
		3200	<i>Lat: 48° 75' 00" N.</i>	
		3300	<i>Long: 145° 30' 00" E.</i>	
		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				

11-1023

REMARKS:

No. 10. 5-029

Date Sept. 28, 1906

Lucas

Machine.

Reel.

Lucas

Turns

Cor. +

Depth 440 fath.

Shot or lead 35# + Sigsbee cup

Bottom bk S., G.

Bottom temperature 35.4°

No. of thermometer 108019

Cor. - .1°

Corrected temperature 35.3°

Air 51°

Surface 49°

Drift

Trawl or dredge 9' Agassiz

SOUNDING WIRE.			TURNS.	DREDGE ROPE.		
DOWN.	P. M.	UP.		DOWN.	P. M.	UP.
27-15		2-36-15	0	2-39-45		3-58-58
28-00		35-20	100	42-40		35-35
28-50		34-30	200	45-20		32-25
29-50		33-35	300	48-00		49-10
31-00		32-45	400	50-35		45-55
2-31-20		2-32-20	440	53-20		42-40
			500	56-10		39-00
			600	58-55		35-10
			700	3-01-40		3-31-40
			800	= 30 min.		
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	<i>P.L.</i>	<i>92.8</i>
		2600	<i>Weather bc</i>	<i>1</i>
		2700	<i>Wind S.W.</i>	<i>4-5</i>
		2800	<i>Sea M.</i>	
		2900	<i>Bar</i>	<i>29.78</i>
		3000	<i>Course S.S.E.</i>	
		3100	<i>Chart No 1777</i>	
		3200	<i>Lat 48° 22' 30" N.</i>	
		3300	<i>Long 145° 43' 30" E</i>	
		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				

11-1023

REMARKS: .

No. *D. 5030*. Date *29 Sep. 1906*

Lucas Machine. Reel. Lucas

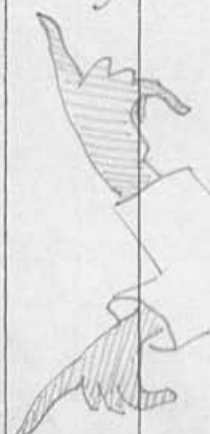
Turns Cor.+ Depth *1800 fms.*Shot or lead *60-lb & S.S. Cup.*Bottom *bn. M.*Bottom temperature *35.5 (at 1251 fms)*No. of thermometer *108019*. Cor.Corrected temperature *35.4* xAir *54°* Surface *54°* DriftTrawl or dredge *9' Agassiz.*

am. SOUNDING WIRE.		TURNS.	am. DREDGE ROPE. pm.	
DOWN.	UP.		DOWN.	UP.
<i>7.46.05</i>	<i>8.40.00</i>	0	<i>8.49.00</i>	<i>07.40.00</i>
<i>49.10</i>	<i>38.35</i>	100	<i>52.00</i>	<i>06.40</i>
<i>50.00</i>	<i>37.40</i>	200	<i>54.50</i>	<i>05.20</i>
<i>51.00</i>	<i>36.50</i>	300	<i>57.30</i>	<i>12.00.30</i>
<i>52.15</i>	<i>35.55</i>	400	<i>9.00.20</i>	<i>57.00</i>
<i>53.35</i>	<i>35.00</i>	500	<i>02.45</i>	<i>54.10</i>
<i>55.00</i>	<i>34.00</i>	600	<i>05.40</i>	<i>51.20</i>
<i>56.15</i>	<i>32.50</i>	700	<i>08.15</i>	<i>48.35</i>
<i>57.30</i>	<i>31.40</i>	800	<i>10.50</i>	<i>45.45</i>
<i>58.40</i>	<i>30.10</i>	900	<i>13.25</i>	<i>42.50</i>
<i>59.55</i>	<i>28.30</i>	1000	<i>16.00</i>	<i>39.50</i>
<i>8.01.05</i>	<i>26.50</i>	1100	<i>18.35</i>	<i>36.45</i>
<i>02.15</i>	<i>25.25</i>	1200	<i>21.15</i>	<i>33.40</i>
<i>03.45</i>	<i>23.45</i>	1300	<i>23.55</i>	<i>30.30</i>
<i>05.40</i>	<i>22.25</i>	1400	<i>26.35</i>	<i>27.20</i>
<i>11.00</i>	<i>21.10</i>	1500	<i>29.30</i>	<i>24.10</i>
<i>17.25</i>	<i>19.55</i>	1600	<i>32.05</i>	<i>20.50</i>
<i>13.55</i>	<i>18.50</i>	1700	<i>35.05</i>	<i>17.00</i>
<i>8.15.30</i>	<i>8.17.20</i>	1800	<i>37.45</i>	<i>11.30</i>
		1900	<i>40.30</i>	<i>11.05.30</i>
		2000	<i>43.10</i>	<i>49.30</i>
		2100	<i>45.45</i>	<i>45.40</i>
		2200	<i>48.55</i>	<i>42.00</i>
		2300	<i>51.35</i>	<i>38.00</i>
		2400	<i>9.54.20</i>	<i>10.34.25</i>

**) Slack wire on reel caused a belief that bottom was found at 1251 fms. 8.02.40, 700m hro in 26 fms. Then let out wire again, to get shot detached; bottom at 8.15.30, 1800 fms.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	9. 57.30	10.19.20
		2600	(22 min.)	
		2700	At 10.19	
		2800	hove in a few fms	
		2900	when winch refused	
		3000	to take in more; re-	
		3100	pained winch, and	
		3200	at 10.24 commences	
		3300	ed heaving in, giving	
		3400	actual time of dredg-	
		3500	ing	
		3600	24 min.	
		3700	Accumulator registered	
		3800	up to 4, and showed	
		3900	a fairly even strain	
		4000	on dredge rope.	
P.L.	15.6			
Weather	6.0			
Wind	SW 3			
Sea	M.			
Baroid	30.00			
Chart	H.O. 1777			
Course OSC	S 70° W			

SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Lat. 46° 29' 30" N.			Porpoises were seen frolicking about the ship while sounding.
50	Long. 145° 46' E.			
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

The thermometer tripped at 1251 fms, when first hove in (at least ought to have tripped then). Shot did not detach at all, and at end of sounding ^{the} wire was found to have stretched 20 fms (!).

No. *5030*Date *29 Sep 06*

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom *No Sounding*

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge *Set 1 2 N's no 1*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	<i>1.06.20</i>	<i>5310</i>
		100	<i>09.30</i>	<i>4400</i>
		200	<i>12.20</i>	<i>3500</i>
		300	<i>15.20</i>	<i>2600</i>
		400	<i>18.20</i>	<i>1.38.25</i>
		500		
		600		
		700		
		800	<i>Lower 200 m to 100 fms was at an estimated depth of 300</i>	
		900		
		1000		
		1100		
		1200	<i>15 fms. of dredge rope was cut off and thrown over board at end of taking serials.</i>	
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	L. L.	
		2600	Water	to 1
		2700	Wind	SWL
		2800	Sea	
		2900	Bar	29.94
		3000	inset	L. L.
		3100	Chart	1737
		3200	Lat	46° 29' N
		3300	Long	155° 41' E
		3400		
		3500		
Cut off and threw over board 10 fms of wire		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
10 25	53	106914	-0.2°	52.7°
25 50	31.9	108021	-0.1°	31.8°
50 100	32.2	*108019	-0.1°	32.1°
100 200	31.8	106156	0.0°	31.8°
200 300	33.8	106013	0.0°	33.8°
300 400	34.2	108114	-0.1°	34.1°
400 500	35.3	108155	-0.1°	35.2°
500 600	36.	98244	-0.1°	35.9°
600 700	36.	108019	-0.1°	35.9
800				
900				
1000	Down at 2.18.00			

11-1023

REMARKS:

Allowed 5 m to set
+ did not trip

* 108019 - temp at 5. 32.2
down at 2.46 down 5 m
surface temp

No. *H 4888* Date *Sept. 30, 1906*
Lucas Machine. Reel. *Lucas*
 Turns Cor.+ Depth *752 fath*
 Shot or lead *60[#]*
 Bottom *fine dk. S. P.*
 Bottom temperature *36.3°*
 No. of thermometer *108155* Cor. *- 1°*
 Corrected temperature *36.2°*
 Air *58°* Surface *56°* Drift
 Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>6-00-30</i>	<i>7-00-00</i>	0		
<i>01-30</i>	<i>58-45</i>	100		
<i>13-40</i>	<i>57-55</i>	200		
<i>15-00</i>	<i>57-00</i>	300		
<i>16-10</i>	<i>56-15</i>	400		
<i>17-20</i>	<i>55-30</i>	500		
<i>18-35</i>	<i>54-40</i>	600		
<i>19-35</i>	<i>53-50</i>	700		
<i>6-20-10</i>	<i>6-52-20</i>	752 800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*Strong current
to N.E.*

* Stopped several min to get ship's head
with current.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	P.L.	37.3
		2600	Lat. $24^{\circ} 35' 20''$ N.	
		2700	Long. $145^{\circ} 31' 00''$ E.	
		2800	Chart H.O. 7174	
		2900		
		3000	Bearings: Shiretoko	
		3100	Misaki, $S 30^{\circ} E$	
		3200	16.2 mi.	
		3300		
		3400	North Entrance to	
		3500	Yego Strait.	
		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				

11-1023

REMARKS:

Wire fouled on machine on beginning to heave in from letting wire out instead of heaving in. Heaved out to 787 fath to clear same.

No. *4889* Date *30 Sep. 1906*Machine. *Lucas* Reel. *Lucas*Turns Cor.+ Depth *1319 fms.*Shot or lead *35-lb & S.S. Cup.*Bottom *fm. M.*Bottom temperature *35.9*No. of thermometer *108155* Cor. *-.1*Corrected temperature *35.8*Air *62°* Surface *62°* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>8.19.45</i>	<i>9.04.20</i>	0		
<i>19.50</i>	<i>03.20</i>	100		
<i>20.50</i>	<i>02.30</i>	200		
<i>22.00</i>	<i>01.40</i>	300		
<i>23.10</i>	<i>00.47</i>	400		
<i>25.50</i>	<i>9.00.00</i>	500		
<i>30.50</i>	<i>59.10</i>	600		
<i>36.25</i>	<i>58.20</i>	700		
<i>38.05</i>	<i>57.10</i>	800		
<i>39.50</i>	<i>55.50</i>	900		
<i>41.25</i>	<i>54.25</i>	1000		
<i>43.00</i>	<i>52.25</i>	1100		
<i>44.30</i>	<i>51.00</i>	1200		
<i>46.15</i>	<i>49.25</i>	1300		
<i>8.46.50</i>	<i>8.48.75</i>	<i>1319</i> 1400		
		1500		
<i>Strong (6 mile)</i>		1600		
<i>N.E. current.</i>		1700		
		1800		
<i>Stopped reeling out</i>		1900		
<i>to get ship over per-</i>		2000		
<i>pendicular wire</i>		2100		
<i>where figures show</i>		2200		
<i>more than 1/6 min</i>		2300		
<i>between hundred.</i>		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	P.L.	47.3
		2600	Chart	H.O. 2124.
		2700	Lat. 44° 29' 00" N.	
		2800	Long. 145° 36' 30" E.	
		2900	Shiratsubo Misaki	
		3000	S. 57½° W. (tr.), dist.	
		3100	14 miles.	
		3200		
		3300	North Entrance to	
		3400	Yezo Strait.	
		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				

11-1023

REMARKS:

No. *H. 4890*. Date *30 Sep. 1906*.

Lucas Machine. Reel. *Lucas*

Turns Cor.+ Depth *1799 fms.*

Shot or lead *35 lb & S.S. Cup.*

Bottom *br. M.*

Bottom temperature *35.9*

No. of thermometer *108155*. Cor. *- .1*

Corrected temperature *35.8*

Air *61°* Surface *62°* Drift

Trawl or dredge

AM. SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>10.22.10</i>	<i>10.57.50</i>	0		
<i>23.00</i>	<i>51.40</i>	100		
<i>24.00</i>	<i>50.40</i>	200		
<i>25.00</i>	<i>49.45</i>	300		
<i>26.10</i>	<i>48.45</i>	400		
<i>27.15</i>	<i>47.50</i>	500		
<i>28.25</i>	<i>46.55</i>	600		
<i>29.35</i>	<i>46.00</i>	700		
<i>30.40</i>	<i>44.50</i>	800		
<i>31.50</i>	<i>43.40</i>	900		
<i>33.00</i>	<i>42.25</i>	1000		
<i>34.10</i>	<i>41.10</i>	1100		
<i>35.25</i>	<i>39.40</i>	1200		
<i>10.36.45</i>	<i>10.37.30</i>	<i>1299</i>		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*Shot did not
detach.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	P.L.	57.3
		2600	Chart	H.O. 2124.
		2700	Lat.	44° 19' 30" N.
		2800	Long.	145° 35' 30" E.
		2900	Shinetsu Misaki	
		3000	N 78° W (tr.), dist.	
		3100	11.5 miles.	
		3200		
		3300	North entrance to	
		3400	Yezo Strait.	
		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				

11-1023

REMARKS:

No. *H 4891* Date *30 Sept*Machine. *Lucas* Reel. *Lucas*Turns Cor.+ Depth *756*Shot or lead *35* *Lucas Cup*Bottom *on m.*Bottom temperature *36.2*No. of thermometer *108155* Cor. *-.1*Corrected temperature *36.1*Air *62°* Surface *63°* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>12 37 05</i>	<i>55 55</i>	0		
<i>38 05</i>	<i>54 50</i>	100		
<i>39 10</i>	<i>53 55</i>	200		
<i>40 50</i>	<i>52 55</i>	300		
<i>42 50</i>	<i>51 15</i>	400		
<i>44 00</i>	<i>51 00</i>	500		
<i>45 00</i>	<i>50 05</i>	600		
<i>46 05</i>	<i>48 50</i>	700		
<i>46 45 12</i>	<i>48 00</i>	756		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	<i>Chart</i>	<i>70.5</i>
		2600	<i>Ld</i>	<i>21 24</i>
		2700		<i>4 100 40 N</i>
		2800	<i>Long</i>	<i>145 32 102</i>
		2900		
		3000		
		3100		
		3200	<i>In Guy Strait.</i>	
		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				

11-1023

REMARKS:

No. *115031* Date *30 Sep. 06*

Machine. Reel.

Turns Cor.+ Depth *86*Shot or lead *35* *Digber Cup*Bottom *4 S. G.*Bottom temperature *13.8*No. of thermometer *108155* Cor.— *1*Corrected temperature *43.7*Air *63°* Surface *76.3°* DriftTrawl or dredge *9' Agassiz*

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

<i>1.19.30</i>	<i>22.15</i>	0	<i>1.26.5</i>	<i>57.30</i>
<i>19.50</i>	<i>21.00</i>	100	<i>30:00</i>	<i>48.10</i>
		200	<i>31.45</i>	<i>54.5</i>
		300		
		400		
		500		
		600	<i>15m.</i>	
		700		
		800		
		900		
		1000	<i>Rec showed</i>	
		1100	<i>3 1/2 at 145</i>	
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	<i>3.1</i>	<i>3.1</i>
		2600	<i>Thatcher</i>	<i>be</i>
		2700	<i>Ward</i>	<i>2.11.2</i>
		2800	<i>Sea</i>	<i>2</i>
		2900	<i>Bar</i>	<i>30.00</i>
		3000	<i>Course</i>	<i>AW</i>
		3100	<i>Chart</i>	<i>21.24</i>
		3200	<i>Lat</i>	<i>41 04N</i>
		3300	<i>Long</i>	<i>145 37E</i>
		3400		
		3500		
		3600	<i>De Yegs Strait</i>	
		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				

11-1023

REMARKS:

No. *5032* Date *30 Sep 06*
Lucas Machine. Reel.
 Turns Cor.+ Depth *300*
 Shot or lead *35 lbs. cup*
 Bottom *br. m. fine bk S. G.*
 Bottom temperature *35.0*
 No. of thermometer *1081.5* Cor.
 Corrected temperature *34.9*
 Air *63* Surface *64* Drift
 Trawl or dredge *9" Agassiz*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>2 11.10</i>	<i>10.30</i>	0	<i>2 25.00</i>	<i>17.00</i>
<i>12.10</i>	<i>10.20</i>	100	<i>27.5</i>	<i>16.00</i>
<i>13.10</i>	<i>10.10</i>	200	<i>30.30</i>	<i>15.00</i>
<i>14.10</i>	<i>2.15.15</i>	300	<i>33.15</i>	<i>08.05</i>
		400	<i>36.00</i>	<i>05.10</i>
		500	<i>39.00</i>	<i>02.20</i>
<i>Shot lashed to Cup</i>		600	<i>40.40</i>	<i>3.00.40</i>
		700		
		800		
		900		
		1000	<i>20 m</i>	
		1100		
		1200	<i>even strain of</i>	
		1300	<i>2-wh. heaving</i>	
		1400	<i>in</i>	
		1500		
		1600	<i>loosed 1. m</i>	
		1700	<i>at surface</i>	
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	<i>L. L.</i>	<i>75.5</i>
		2600	<i>Weather</i>	<i>bc</i>
		2700	<i>Wind</i>	<i>Variable</i>
		2800	<i>Sea</i>	<i>2</i>
		2900	<i>Bar</i>	<i>29.98</i>
		3000	<i>Course</i>	<i>W</i>
		3100	<i>Chart</i>	<i>2124</i>
		3200	<i>Lat</i>	<i>44 05 N</i>
		3300	<i>Long</i>	<i>125 30 E</i>
		3400		
		3500		
		3600		
		3700	<i>In open Strait</i>	
		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				

11-1023

REMARKS:

No. *115033* Date *30 Sep 06*
Lucas Machine. Reel.
 Turns Cor.+ Depth *533*
 Shot or lead *35" Dipther Cup*
 Bottom *gn. m. sh. bk. 5 P*
 Bottom temperature *56*
 No. of thermometer *108155* Cor.
 Corrected temperature *35.9*
 Air *60°* Surface *64°* Drift
 Trawl or dredge *9' Agassiz*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>3 24.55</i>	<i>35.15</i>	0	<i>3.41.00</i>	<i>4 - 47-15</i>
<i>25.20</i>	<i>35.25</i>	100	<i>4.00</i>	<i>44-05</i>
<i>26.50</i>	<i>33.35</i>	200	<i>4.45</i>	<i>41-00</i>
<i>29.50</i>	<i>32.50</i>	300	<i>4.30</i>	<i>37-50</i>
<i>29.55</i>	<i>32.00</i>	400	<i>4.30</i>	<i>34-55</i>
<i>29.40</i>	<i>31.05</i>	500	<i>5.10</i>	<i>32-10</i>
<i>30.00</i>	<i>3.30.40</i>	<i>533</i>	<i>58.00</i>	<i>29-25</i>
		700	<i>4-00-35</i>	<i>26-35</i>
		800	<i>4-03-45</i>	<i>4 - 23-45</i>
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	<i>By L.</i>	—
		2600	<i>Heather</i>	<i>bag 1</i>
		2700	<i>Up</i>	<i>M.E. 2</i>
		2800	<i>Up</i>	<i>L.</i>
		2900	<i>Bar</i>	<i>29.96</i>
		3000	<i>Coarse</i>	<i>Sheet</i>
		3100	<i>Chart No 7124</i>	
		3200	<i>Lat 44° 04' 20" N.</i>	
		3300	<i>Long 145° 28' E.</i>	
		3400		
		3500		
		3600	<i>In Gips Strait</i>	
		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				

11-1023

REMARKS:

Net came up fouled with beam

No. *27. 4892*, Date *1 Oct. 1906.**Lucas* Machine. Reel. *Lucas*Turns Cor.+ Depth *53 fms.*Shot or lead *35-lb & S.S. Cup.*Bottom *gs. bk. S.*Bottom temperature *44.5*No. of thermometer *108155*. Cor. *- .2*Corrected temperature *44.3*Air *63°* Surface *59°* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1.03.00</i>	<i>1.05.20</i>	0		
<i>1.03.30</i>	<i>1.04.40</i>	<i>53</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		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	<i>P.L. = 53.9</i> <i>Chart H.O. 2124.</i> <i>Lat. 43° 08' 30" N.</i> <i>Long. 145° 52' E.</i>	
		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				

11-1023

REMARKS:

No. *D. 5034.* Date *1 Oct. 1906.*

Lucas Machine. Reel. *Lucas*

Turns Cor.+ Depth *127 fms.*

Shot or lead *35-lb and S.S. Cap.*

Bottom *cr. bk. S. G.*

Bottom temperature *35.2*

No. of thermometer *108155.* Cor. *-.1*

Corrected temperature *35.1*

Air *61°* Surface *58°* Drift

Trawl or dredge *9' Agassiz.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1.48.25</i>	<i>1.52.10</i>	0	<i>1.59.40</i>	<i>2.36.00</i>
<i>49.30</i>	<i>51.10</i>	100	<i>2.02.40</i>	<i>33.00</i>
<i>1.50.00</i>	<i>1.51.00</i>	<i>127</i> 200	<i>05.40</i>	<i>30.00</i>
		300	<i>07.50</i>	<i>2.27.50</i>
		400	<i>= 20 min.</i>	
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	P.L.	58.9
		2600	Weather	60.9
		2700	Wind	SSW. 4.
		2800	Sea	MT.
		2900	Aneroid	29.72
		3000	Chart	H.O. 2124.
		3100	Course PSC	S. E.
		3200	Lat. $43^{\circ} 05' 30''$ N.	
		3300	Long. $145^{\circ} 57' 40''$ E	
		3400		
		3500	Off Atchishi Saki;	
		3600	Eastern end of	
		3700	Yezo.	
		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				

11-1023

REMARKS:

No. *D. 5035* Date *1 Oct. 1906.*
Lucas Machine. Reel. *Lucas*
 Turns Cor.+ Depth *322 fms.*
 Shot or lead *35 lb and S.S. Cup*
 Bottom *cr. bk. S. and sh.*
 Bottom temperature *37.6*
 No. of thermometer *108155* Cor. *-.1*
 Corrected temperature *37.5*
 Air *60°* Surface *58°* Drift
 Trawl or dredge *9' Agassiz.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>2.40.35</i>	<i>2.48.00</i>	0	<i>2.55.00</i>	<i>08</i>
<i>41.45</i>	<i>47.05</i>	100	<i>58.00</i>	<i>05.15</i>
<i>42.55</i>	<i>46.15</i>	200	<i>3.00.45</i>	<i>03.00</i>
<i>44.00</i>	<i>45.25</i>	300	<i>03.25</i>	<i>00.45</i>
<i>2.44.20</i>	<i>2.45.10</i>	<i>322</i> 400	<i>06.20</i>	<i>58.30</i>
		500	<i>09.00</i>	<i>56.15</i>
		600	<i>11.45</i>	<i>53.30</i>
		700	<i>14.30</i>	<i>50.10</i>
		800	<i>3.17.25</i>	<i>3:45.00</i>
		900		
		1000	<i>At 3:19:05 the forward gin block on both deck</i> <i>carried away from stanchion. The accumulator re-</i> <i>gistered over 4 tons at the time. Shortly after the 9' Agassiz frame</i> <i>carried away and brought the accu-</i> <i>mutator to a stand still at about 1/4.</i>	
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400	<i>Lost: 9' Agassiz frame, 2 gins, floats, 1 barrel, 1 shackle came up</i>	

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600	Weather	emp. 10
		2700	Wind	SSW. 4
		2800	Sea.	M.
		2900	Aneroid	29.71
		3000	Chart	H.O. 2124
		3100	Course	PSS ENE.
		3200	Lat. 43° 25' N.	
		3300	Long. 146° 00' E.	
		3400		
		3500	Off Achihi Saki,	
		3600	Eastern end of	
		3700	Upego.	
		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				

11-1023

REMARKS:

There are now about 3000 or 3100 fms. dredge wire still remaining on both deck reel.

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108029