



Dr. 5036-5081

Japanese Cruise

1906

No 8.

—

No. *D 5036* Date *2 Oct 16*

*Lucas* Machine. Reel.

Turns Cor.+ Depth *461*

Shot or lead *35" 2 cup*

Bottom *br. M.*

Bottom temperature *38.*

No. of thermometer *108155* Cor.

Corrected temperature *37.9*

Air *55* Surface *63* Drift

Trawl or dredge *9" gassing*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>12.45.15</i>	<i>02.50</i>	0	<i>00.00</i>	<i>06</i>
<i>46.10</i>	<i>02.00</i>	100	<i>02.55</i>	<i>03.00</i>
<i>57.10</i>	<i>01.15</i>	200	<i>05.45</i>	<i>00.00</i>
<i>48.10</i>	<i>00.30</i>	300	<i>08.30</i>	<i>57.00</i>
<i>57.20</i>	<i>59.45</i>	400	<i>11.10</i>	<i>54.10</i>
<i>58.10</i>	<i>12.59.00</i>	500	<i>14.20</i>	<i>51.00</i>
		600	<i>17.30</i>	<i>48.30</i>
		700	<i>20.40</i>	<i>45.10</i>
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*Stopped 8 m  
at 360 to  
swing ship with  
tomb and get  
wire vertical*

*After sounding  
watch was  
found to be  
11 m fast.*

*To m  
Dredge 3.40  
at 600 fms*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	P.L.	37.1
		2600	Weather	6
		2700	Wind	to NW
		2800	Sea	2
		2900	Bar	29.97
		3000	Current	FW
		3100	Coast	2124
		3200	Lat	41° 58'
		3300	Long	142° 30' 30"
		3400		
		3500	Urakawa Light	
		3600	N. 44 1/2 E. dist.	
		3700	16.8 mi.	
		3800		
		3900	S. Coast Gyro.	
		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. *H 4893* Date *2 Oct 07*

*Sigsbee* Machine. Reel.

Turns \_\_\_\_\_ Cor. + \_\_\_\_\_ Depth *418*

Shot or lead *35 lb. 5. Cup*

Bottom *fm M 38*

Bottom temperature *38*

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

Corrected temperature *37.9*

Air *56* Surface *64* Drift

Trawl or dredge \_\_\_\_\_

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>2 33 15</i>	<i>(40)</i>	0		
<i>34 15</i>	<i>41 15</i>	100		
<i>35 50</i>	<i>43 0</i>	200		
<i>37 00</i>	<i>40 45</i>	300		
<i>38 00</i>	<i>39 15</i>	400		
<i>38 20</i>	<i>2 39 00</i>	<i>418</i>		
		600		
		700		
<i>Lowered 9"</i>		800		
<i>Agassiz to</i>		900		
<i>surface cone</i>		1000		
<i>stranded on</i>		1100		
<i>both deck</i>		1200		
<i>landed net</i>		1300		
<i>cut off and</i>		1400		
<i>threw aboard</i>		1500		
<i>26 fms wire</i>		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	<i>5.1</i>	
		2600	<i>6</i>	
		2700	<i>W. 10.1</i>	
		2800	<i>2</i>	
		2900	<i>29.94</i>	
		3000	<i>Coural</i>	
		3100	<i>Chart</i>	
		3200	<i>Lat</i>	
		3300	<i>Long</i>	
		3400		
		3500	<i>Urakawa Light.</i>	
		3600	<i>N. 51° E. 14.0 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. 75037 Date 9 Oct 06

Lucas Machine. Reel.

Turns Cor.+ Depth 349

Shot or lead 35# S. Cup.

Bottom sufficient for determination

Bottom temperature 38

No. of thermometer 108155 Cor. -1

Corrected temperature 37.9

Air 56 Surface 65 Drift

Trawl or dredge 9 ft Agassiz

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3.08.00	14.45	0	3.17.40	59.40
09.00	15.00	100	20.30	56.50
09.50	13.10	200	23.05	52.20
10.45	12.30	300	25.45	51.30
11.20	3.12.00	349	28.30	48.30
		500	31.30	45.30
		600	35.30	3.40.30
		700		
		800		
		900	S.M.	
		1000		
		1100	Acc. showed	
		1200	from 2 to	
		1300	4 tons	
		1400	while down	
		1500		
		1600	Net came	
		1700	up from	
		1800	from	
		1900	bottom	
		2000		
		2100		
		2200		
		2300		
		2400		



SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	P.L.	—
		2600	Reacher	to 8
		2700	Wind	win w 2
		2800	Sea	2
		2900	Bar	29.92
		3000	Course	ESE <del>SE</del>
		3100	Chart	2124
		3200	Lat	42° 02' 40"
		3300	Long	112° 33' 28"
		3400		
		3500	Urakawa Light.	
		3600	7.52 1/2° E, 11.9 mi.	
		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. *10,5038* Date *Oct. 2, 1906*

*Lucas* Machine. Reel. *Lucas*

Turns Cor.+ Depth *175 fath.*

Shot or lead *35<sup>lb</sup>*

Bottom *fine. bk S, bn M., blk Sh.*

Bottom temperature *37.2°*

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

Corrected temperature *37.1°*

Air *55°* Surface *64°* Drift

Trawl or dredge *9' Btk. Alb. - B?*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>4-05-20</i>	<i>4-09-25</i>	0	<i>4-13-10</i>	<i>4-54-30</i>
<i>06-20</i>	<i>08-35</i>	100	<i>16-00</i>	<i>51-30</i>
<i>07-00</i>	<i>4-07-55</i>	<del>175</del> 200	<i>18-45</i>	<i>48-50</i>
		300	<i>21-30</i>	<i>45-55</i>
		<del>350</del> 400	<i>4-24-20</i>	<i>4-44-20</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		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

*Watawa Light,  
14° E. 40.6 mi*

SERIAL TEMPERATURES.

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

REMARKS:

No. *D-5039*. Date *3 Oct. 06.*

Machine. Reel.

Turns Cor.+ Depth *326 fms.*

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

Bottom *gn. M.*

Bottom temperature *38.0*

No. of thermometer *106155* Cor. *-.1*

Corrected temperature *37.9*

Air *52°* Surface *62°* Drift

Trawl or dredge *9' Alb.-Bl.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>47.30</i>	<i>1.26.40</i>	0	<i>5.30.00</i>	<i>1.10.45</i>
<i>48.30</i>	<i>1.25.40</i>	100	<i>5.30.30</i>	<i>1.09.40</i>
<i>49.30</i>	<i>1.24.40</i>	200	<i>5.31.00</i>	<i>1.08.30</i>
<i>50.30</i>	<i>1.23.40</i>	300	<i>5.31.30</i>	<i>1.07.20</i>
<i>51.30</i>	<i>1.22.40</i>	400	<i>5.32.00</i>	<i>1.06.10</i>
		500	<i>5.32.30</i>	<i>1.05.00</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	P.Z.	73.7
		2600	Weather	on 10:
		2700	Wind	NE 2.
		2800	Sea	S.
		2900	Baroid	29.66
		3000	Chart F.O. 2124.	
		3100		NNE.
		3200	Lat. 42° 11' 00" N.	
		3300	Long. 14° 11' 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. *D. 5040* Date *3 Oct. 06.*  
*Lucas* Machine. Reel. *Lucas*  
 Turns Cor.+ Depth *269 fms.*  
 Shot or lead *35-lb and S.S. Cup.*  
 Bottom *gn. M.*  
 Bottom temperature *37.2*  
 No. of thermometer *108/55* Cor. *- .1*  
 Corrected temperature *37.1*  
 Air *55°* Surface *62°* Drift  
 Trawl or dredge *9' Alb.-Bl.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
<i>56.15</i>	<i>9.00.30</i>	100		
<i>57.00</i>	<i>9.01.00</i>	200		
<i>8.57.25</i>	<i>9.58.50</i>	<i>269</i> 300		
		400	<i>15.20</i>	<i>38.30</i>
		<i>450</i> 500	<i>9.16.50</i>	<i>9.36.50</i>
		600		
		700	<i>= 20 min.</i>	
		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		
		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. 50.41* Date *3 Oct. 06.*

*Sigsbee* Machine. Reel. *Isman*

Turns Cor.+ Depth *140 fms.*

Shot or Lead *35-lb* ... *Car Lashed together*

Bottom *...*

Bottom temperature *41.2*

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

Corrected temperature *41.1*

Air *52°* Surface *62°* Drift

Trawl or dredge *9' Alb. B.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>9.58.00</i>	<i>10.01.55</i>	0		
<i>59.00</i>	<i>00.50</i>	100		
<i>9.59.35</i>	<i>0.00.20</i>	<i>140</i> 200		
		250		
		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		
		3200		
		3300	<i>Long. 142° 04' 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. *D-5042*, Date *3 Oct. 06.*

*Sigsbee* Machine. Reel. *2 new*

Turns \_\_\_\_\_ Cor.+ \_\_\_\_\_ Depth *61 fms*

Shot or lead *35 lb*

Bottom *br. M. fm. bk. S. co. - S.*

Bottom temperature *50°*

No. of thermometer *108155*. Cor. *-.2*

Corrected temperature *49.8*

Air *51°* Surface *61°* Drift

Trawl or dredge *9' Agassiz*

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

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600		07.10
		2700		V.E. 2.
		2800		
		2900		29.63
		3000		
		3100	Course PSC WNW-W.	
		3200	Lat. 42° 17' 30" N	
		3300	Long. 142° 07' 30" 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. 1750-3 Date 3 Oct 06

Machine. Reel.

Turns Cor.+ Depth

Shot or lead 35<sup>4</sup> 5 Cup

Bottom gy. s. m. sh.

Bottom temperature

No. of thermometer 108155 Cor.

Corrected temperature

Air 52 Surface 65<sub>11</sub> Drift

Trawl or dredge 4" Agassiz

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

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

11-1023

REMARKS:

No. 1120 Date 5 13 08

Kaco Machine. Reel.

Turns Cor.+ Depth 509

Shot or lead 35 lb

Bottom gy S co S

Bottom temperature 32.2 +

No. of thermometer 104455 Cor. - 1

Corrected temperature 31.2

Air 72 Surface 64 Drift

Trawl or dredge 6' 1'

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
14 42	12 50	300	20 30	0
14 55	2 15 40	400		
		500	35 45	2 14 00
		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		
		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. *175645* Date *3 Oct*

Machine. Reel.

Turns Cor.+ Depth *359*

Shot or lead *25 lb*

Bottom *gy. s. m. s. s.*

Bottom temperature *38.1*

No. of thermometer *208155* Cor. *-1*

Corrected temperature *38.164*

Air *52* Surface Drift

Trawl or dredge

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



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

11-1023

REMARKS:

No. 55046. Date: 10 October 1906.

Lucas Machine. Reel. Lucas  
Turns Cor.+ Depth 82 fms.

Shot or lead

Bottom dr. gy. S.P.

Bottom temperature 51°

No. of thermometer Cor. - .2

Corrected temperature 50°8

Air 57° Surface 63° Drift

Trawl or dredge 9' A.B. - B.K.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8.33.55	8.36.55	0	9.11.15	8.37.00
8.35.00	8.35.45	100	4.05	6.15.00
		160		
		200	2.15.00	6.07.00
		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.	16.0
		2600	Weather	bcn. 9.
		2700	Wind	NE 1-2.
		2800	Sea	S
		2900	Asteroid	30.30
		3000	Chart	H.O. 2190.
		3100	Course PSC.	SSE - S.
		3200	Lat. 38° 15' 07" N.	
		3300	Long. 141° 41' 20" E.	
		3400	Kinko Sam Light	
		3500		
		3600	7.25 m.	
		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. *D. 5047*. Date *10 Oct. 06.*

*J Lucas* Machine. Reel. *Lucas*

Turns Cor.+ Depth *107 fms.*

Shot or lead *35 lbs S.S.C. 15 lbs*

Bottom *dk. gy. S. P. bk. Sh.*

Bottom temperature *49.8*

No. of thermometer *108155*. Cor. *- .2*

Corrected temperature *49.6*

Air *57°* Surface *63°* Drift

Trawl or dredge *9' Alb. - Bl.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>9.39.00</i>	<i>9.43.15</i>	0		
<i>40.00</i>	<i>41.30</i>	100		
<i>9.40.10</i>	<i>9.41.20</i>	107) 200		
		250		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1800		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	P.L.	19.0
		2600	Weather	bcn 9.
		2700	Wind	Variable 1.
		2800	Sea	S.
		2900	Aneroid	30.30
		3000	Chart	H.O. 1300.
		3100	Course PSC	S 9 1/2 SSW
		3200	Lat. 38° 12' 50" N.	
		3300	Long. 141° 49' 15" E.	
		3400	Kinku Sam Light	
		3500	N 69 1/2 W (tr.)	
		3600	dist. 11.6 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:

507  
11

No. 2.5048. Date 10 Oct. 06.  
 Lucas Machine. Reel. Lucas  
 Turns Cor.+ Depth 129 fms.  
 Shot or lead 35 lb and S.S.C. fastened together.  
 Bottom dk. gy. S. S.  
 Bottom temperature 40.8  
 No. of thermometer 108155. Cor. - .1  
 Corrected temperature 40.7  
 Air 60° Surface 63° Drift  
 Trawl or dredge 9' 5/16" - Blk.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
10.52.30	10.53.25	129		
		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.	77.0
		2600	Weather	beam 4.
		2700	Wind	Variable 1.
		2800	Sea	S.
		2900	Amorid	30.2
		3000	Course	SSW
		3100	Course ASC	SSW
		3200		
		3300		52'30"E.
		3400		in Light
		3500		(td), dist.
		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:

607

No. *111* Date *11/11/04*

*Lucas* Machine. Reel.

Turns Cor.+ Depth *144*

Shot or lead *35 lb S.C.*

Bottom *dk gy S blon Sh. Lon*

Bottom temperature *38.1*

No. of thermometer *104155* Cor. *-.1*

Corrected temperature *38.0*

Air *61* Surface *63* Drift

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>31.00</i>	<i>35.00</i>	0		
<i>32.20</i>	<i>34.00</i>	100		
<i>33.00</i>	<i>33.34</i>	<i>144</i>		
		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	Weather	bc m 9
		2700	Wind	Variable
		2800	Sea	S
		2900	Aneroid	30.26
		3000	Chart	750.1300.
		3100	Course PSC.	—
		3200	Lat.	38° 10' 7.
		3300	Long.	141° 57' 6
		3400		
		3500	Anika San Light,	
		3600	71.68° W., 18.0 mi.	
		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. 5049 Date 17 11 11  
*Sigsbee* Machine. Reel.  
 Turns \_\_\_\_\_ Cor. + \_\_\_\_\_ Depth 18  
 Shot or lead 35  
 Bottom dk gy S. Hon Sh. G.  
 Bottom temperature \_\_\_\_\_  
 No. of thermometer 10 555 Cor. -.1  
 Corrected temperature 37  
 Air 67 Surface 59 Drift \_\_\_\_\_  
 Trawl or dredge 4 H. Baker's No. 121

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100	<u>26 20</u>	<u>15</u>
		<u>180</u> 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		
		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:

No. 15050 Date 10 Oct 06  
*Machine.* *Reel.*  
 Turns *Cor. +* Depth 26  
 Shot or lead 35 5 lb  
 Bottom gy S. fm Sh  
 Bottom temperature 38  
 No. of thermometer 108155 Cor. -1  
 Corrected temperature 37.9  
 Air 58 Surface 60 Drift  
 Trawl or dredge 9

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

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		310 200
		3200		310 11' 30" N
		3300		142° 08' 00" E.
		3400		
		3500		
		3600		Down Log
		3700		78° 10. 75.7
		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. *10 3051* Date *Oct. 10, 1906*  
*Lucas* Machine. Reel. *Lucas*  
 Turns Cor.+ Depth *399 fath.*  
 Shot or lead  
 Bottom *dk. gy. S., brk. sh., for*  
 Bottom temperature *38.*  
 No. of thermometer *108155-* Cor. *-1°*  
 Corrected temperature *38.1°*  
 Air *57°* Surface *63°* Drift  
 Trawl or dredge *9' Alb. Blk.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
<i>13-10</i>	<i>19-40</i>	100	<i>25-45</i>	<i>14-50</i>
<i>15-00</i>	<i>18-05</i>	200	<i>28-15</i>	<i>12-05</i>
<i>4-16-00</i>	<i>4-17-00</i>	300	<i>30-40</i>	<i>09-30</i>
		<i>399</i>	<i>33-05</i>	<i>06-50</i>
		400	<i>35-45</i>	<i>04-15</i>
		500	<i>38-45</i>	<i>01-50</i>
		600	<i>4-40-25</i>	<i>5-00-25</i>
		700		
		800		
		900	<i>= 20 min.</i>	
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*Net came up  
 haul at 1500.*

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

11-1023

REMARKS:

No. *W. 5052* Date *Oct 10/06*

Machine. Reel.

Turns Cor.+ Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *57°* Surface *62°* Drift

Trawl or dredge *2 1/2 K's #1 towing astern*  
*from [unclear] (E. Light)*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	P. M. UP.
		0	<i>Out</i>	<i>In</i>
		100	<i>7-00-00</i>	<i>7-20-00</i>
		200		
		300	<i>Force</i>	
		400	<i>off net</i>	
		500	<i>of haul &amp; catch</i>	
		600	<i>loss</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>7.0</i>	55.0
		2600	<i>6.0</i>	South 2
		2700	<i>5.0</i>	0.0
		2800	<i>4.0</i>	
		2900	<i>3.0</i>	30.26
		3000	<i>2.0</i>	S.S.V. 3/4 W.
		3100	<i>1.0</i>	N. 0. 1300
		3200		
		3300	<i>Long. 1</i>	42° 04' 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. *10. 505-3* Date *Oct. 10/06*  
 Machine. Reel.

Turns Cor.+ Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *57°* Surface *62°* Drift

Trawl or dredge #1 *Intermediate from port beam*  
*Elect. light*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	<i>Coast</i>	<i>Sea.</i>
		100	<i>7-50-00</i>	<i>11-00-00</i>
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600	<i>Weather</i>	<i>om.</i>
		2700	<i>Wind</i>	<i>South</i>
		2800	<i>Bar.</i>	<i>30</i>
		2900	<i>Bar.</i>	<i>30.26</i>
		3000	<i>Course</i>	<i>S.S.W. 1/4 W</i>
		3100	<i>Chart</i>	<i>400. 2500</i>
		3200	<i>Lat.</i>	<i>32. 11. 00</i>
		3300	<i>Long.</i>	<i>142. 21. 00</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				

17 4024

REMARKS:

No. *507* Date *12 Oct 51*  
*S Lucas* Machine. Reel. *Lucas*  
 Turns Cor.+ Depth *503 fms.*  
 Shot or lead *357 a S. C. Cup*  
 Bottom *gn. M.*  
 Bottom temperature *35°*  
 No. of thermometer *109153* Cor. *- .1*  
 Corrected temperature *34.9*  
 Air *66°* Surface *74°* Drift  
 Trawl or dredge *9' #16.- Bk.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100	<i>04.30</i>	
		200	<i>07.15</i>	
		300	<i>10.00</i>	
<i>50.30</i>	<i>53.20</i>	400	<i>12.45</i>	
<i>51.30</i>	<i>52.25</i>	500	<i>15.30</i>	
<i>7.51.35</i>	<i>7.52.20</i>	600	<i>18.15</i>	
		<i>650</i>		
		<i>700</i>	<i>8.20.00</i>	
		<i>800</i>		
		900	<i>- 20 min.</i>	
		1000		
		1100	<i>After trawl reach-</i>	
		1200	<i>ed the surface</i>	
		1300	<i>towed lower part</i>	
		1400	<i>of net for 13 min.</i>	
		1500	<i>to wash away</i>	
		1600	<i>mud.</i>	
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600	Weather	Tem. 9.
		2700	Wind.	WIND. 3
		2800	Sea	S
		2900		20. 1)
		3000	Chart	B. A. 953.
		3100	Course PSC	N. E.
		3200	Lat: 34° 49' 20" N.	
		3300		
		3400	Sunaga Gulf:	
		3500	Omāi Saki Light	
		3600	500 fms, in.	
		3700	26 miles	
		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. *2. 5054.* Date *12 Oct. 1906.*  
*Sigsbee* Machine. Reel. *Sigsbee*  
 Turns Cor.+ Depth *282 fms.*  
 Shot or lead *35 lb. & S-S-Case*  
 Bottom *gn. M. bk. Sh. Fc.*  
 Bottom temperature *45.5*  
 No. of thermometer *108155.* Cor. *-.2*  
 Corrected temperature *45.3*  
 Air *71°* Surface *74°* Drift  
 Trawl or dredge *9' F. B.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>9.52.15</i>	<i>9.57.40</i>	0	<i>17.00</i>	<i>10.00</i>
<i>53.05</i>	<i>56.50</i>	100	<i>05.00</i>	<i>40.00</i>
<i>55.15</i>	<i>52.00</i>	200	<i>27.00</i>	<i>30.00</i>
<i>9.54.35</i>	<i>9.55.20</i>	<i>282</i> 300	<i>10.00</i>	<i>20.00</i>
		350	<i>10.15</i>	<i>10.00</i>
		400		
		500		
		600		<i>20 1/2 min.</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>...</i>	<i>...</i>
		2600	<i>Weather</i>	<i>...</i>
		2700	<i>...</i>	<i>...</i>
		2800	<i>...</i>	<i>...</i>
		2900	<i>...</i>	<i>...</i>
		3000	<i>...</i>	<i>...</i>
		3100	<i>...</i>	<i>...</i>
		3200	<i>...</i>	<i>...</i>
		3300	<i>...</i>	<i>...</i>
		3400	<i>...</i>	<i>...</i>
		3500	<i>...</i>	<i>...</i>
		3600	<i>...</i>	<i>...</i>
		3700	<i>...</i>	<i>...</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				

REMARKS:

*507*  
*11/10/06*

No. *0.5055*. Date *12 Oct. 1906.*

Machine. *Lucas* Reel. *Lucas*

Turns Cor.+ Depth *124 fms.*

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

Bottom *gn: M. gy S. bk. Sh. F.*

Bottom temperature *56.*

No. of thermometer *108155*. Cor. *-.2*

Corrected temperature *56.6*

Air *72°* Surface *74°* Drift

Trawl or dredge *9' Albatross-Blake.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>11.00.00</i>	<i>11.12.00</i>	0	<i>11.15.00</i>	<i>11.51.00</i>
<i>10.15</i>	<i>11.40</i>	100	<i>18.30</i>	<i>49.30</i>
<i>11.10.30</i>	<i>11.11.30</i>	<i>124</i> 200	<i>21.40</i>	<i>46.30</i>
		<i>275</i> 300	<i>11.24.10</i>	<i>11.44.10</i>
		400		
		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		64.0
		2600	Weather	ben 7.
		2700	Wind	ESE 1/2 E. 2.
		2800	Sea	S
		2900	Stress	29.9:
		3000	Chart	13. A. 95.
		3100	Course, 250	5 1/2 mi
		3200	Lat. 34° 53'	AT.
		3300	Long. 138° 44' 15" E	
		3400		
		3500		
		3600	S. 57° W. (W.), dist	
		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. 1101 Date 12  
 Machine. Reel.  
 Turns Cor.+ Depth 2  
 Shot or lead 35  
 Bottom gy. M. bk. Sh. For  
 Bottom temperature 46.2  
 No. of thermometer 108125 Cor. -2  
 Corrected temperature 46  
 Air 78 Surface 76 Drift  
 Trawl or dredge

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

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600		
		2700		
		2800		
		2900	<i>Aneroid</i>	
		3000	<i>Chart</i>	
		3100	<i>...</i>	<i>X</i>
		3200	<i>Lat. 34</i>	
		3300	<i>... 13</i>	
		3400		
		3500	<i>...</i>	<i>X</i>
		3600	<i>...</i>	
		3700	<i>...</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				

11-1024

REMARKS:

*[Faint handwritten notes and scribbles in the remarks section]*

*St. Johns*  
 No. *TJ 5057* Date *12 Oct 1901*  
*Lucas* Machine. Reel.  
 Turns Cor.+ Depth *270*  
 Shot or lead *35" S.S. Cup*  
 Bottom *gy. m.*  
 Bottom temperature *45.*  
 No. of thermometer *1011.5* Cor. *2*  
 Corrected temperature *43.*  
 Air *72°* Surface *73°* Drift  
 Trawl or dredge *4 ft. Blake*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	<i>2:15</i>	<i>2:15</i>
		100	<i>2:25</i>	<i>2:05</i>
		200	<i>2:35</i>	<i>1:55</i>
		300	<i>2:45</i>	<i>1:45</i>
		400	<i>2:55</i>	<i>1:35</i>
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		<i>reel</i>
		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		
		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:

*Part of ... near tail. Part of ...*

No. *10 5058* Date *Oct. 13/01*

Machine. Reel.

Turns Cor.+ Depth

Shot or lead

Bottom *70*

Bottom temperature *70*

No. of thermometer *22* Cor.

Corrected temperature

Air *63°* Surface *70°* Drift

Trawl or dredge *Intermediate #1, 421*

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

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		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:

*Lucas*  
 No. *10. 5059* Date *Oct. 13/06*  
*Lucas* Machine. Reel. *Lucas*  
 Turns Cor.+ Depth *297 fath.*  
 Shot or lead *35<sup>lb</sup> & Lucas's cup.*  
 Bottom *gy. S.*  
 Bottom temperature *45.2*  
 No. of thermometer *108155-* Cor. - .  
 Corrected temperature *45.0*  
 Air *70°* Surface *69°* Drift  
 Trawl or dredge *9'*

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



SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600	<i>Suruga Gul.</i> <i>Abu Saki, S. 57° E.</i> <i>dist. 7.2 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. 10. 5-060 Date Oct 13/06.  
 Lucas Machine. Reel. Lucas  
 Turns Cor.+ Depth 197 fath.  
 Shot ~~or-lead~~ 35<sup>lb</sup> + Sigbee cut  
 Bottom crs. bb. S.  
 Bottom temperature 5-0.8°  
 No. of thermometer 10813-5- Cor. -.2  
 Corrected temperature 5-0.6°  
 Air 66° Surface 70° Drift  
 Trawl or dredge 9' Alb. Bk.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	10-25-10	11-10-00
		100		
		197		
		200		
		300	33-46	11-00-30
		400	10-36-40	10-56-30
		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>40</i> .1
		2700		<i>E. 1/2 E.</i> .1
		2800		<i>x</i>
		2900		<i>50.16</i>
		3000		
		3100		<i>2.95-3</i>
		3200		<i>3° 06' 00" N.</i>
		3300		<i>13° 15' 00" W.</i>
		3400		
		3500		<i>off Gulf.</i>
		3600		<i>153° E.,</i>
		3700		<i>12 mi.</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. *D. 5061* Date *13 Oct. 1906.*

*Lucas* Machine. Reel. *Lucas*

Turns Cor.+ Depth *332 fms.*

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

Bottom *br. M. fac. gy. S.*

Bottom temperature *43.9*

No. of thermometer *108155.* Cor. *-.2*

Corrected temperature *43.7*

Air *68°* Surface Drift

Trawl or dredge *9' Alb. - Biker.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>12.31.30</i>	<i>12.37.10</i>	0	<i>12.42.20</i>	<i>1.00.00</i>
<i>34.15</i>	<i>37.45</i>	100	<i>45.00</i>	<i>21.00</i>
<i>37.15</i>	<i>36.55</i>	200	<i>48.15</i>	<i>27.00</i>
<i>40.30</i>	<i>36.00</i>	300	<i>51.15</i>	<i>32.00</i>
<i>43.45</i>	<i>35.05</i>	<i>332</i> 400	<i>54.20</i>	<i>38.00</i>
		500	<i>57.25</i>	<i>44.00</i>
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*1000 fms. ...*  
*1100 fms. ...*  
*1200 fms. ...*  
*1300 fms. ...*  
*1400 fms. ...*  
*1500 fms. ...*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600	<i>Wear</i>	<i>be. 1.</i>
		2700	<i>Wear</i>	<i>Foot</i>
		2800	<i>Wear</i>	<i>5.</i>
		2900	<i>Wear</i>	<i>30.09</i>
		3000	<i>Wear</i>	<i>BA 953.</i>
		3100	<i>Wear</i>	<i>North</i>
		3200	<i>Wear</i>	<i>Wear</i>
		3300	<i>Wear</i>	<i>Wear</i>
		3400	<i>Wear</i>	<i>Wear</i>
		3500	<i>Wear</i>	<i>Wear</i>
		3600	<i>Wear</i>	<i>Wear</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. *D. 5062* Date *13 Oct. 1906.*

Sigsbee Machine. Reel. *Lucas*

Turns Cor.+ Depth *250 fms.*

Shot or lead *357 x S.S. Cup.*

Bottom *gn. M.*

Bottom temperature *47.9*

No. of thermometer *108155.* Cor. *-.2*

Corrected temperature *47.7*

Air *77°* Surface *72°* Drift

Trawl or dredge *9' Alb. - Blue.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1. 40.00</i>	<i>1. 40.00</i>	0	<i>1. 40.00</i>	<i>2. 25.00</i>
<i>40.15</i>	<i>40.15</i>	100	<i>2. 00</i>	<i>25.00</i>
<i>40.30</i>	<i>40.30</i>	200	<i>45.30</i>	<i>30.00</i>
<i>1. 41.55</i>	<i>1. 41.55</i>	300	<i>1. 12.00</i>	<i>40.00</i>
		400	<i>1. 57.00</i>	<i>2. 15.00</i>
		500		
		600		
		700		
		800		<i>reared out</i>
		900		<i>ten fms. under a</i>
		1000		<i>strain of 3 1/2 tons.</i>
		1100		<i>Commenced to heave in</i>
		1200		<i>at 1. 2. 55.</i>
		1300		<i>Accumulator connected</i>
		1400		<i>and end of lead down</i>
		1500		<i>by end of wire, then</i>
		1600		<i>at bottom and lead</i>
		1700		<i>down and lead down</i>
		1800		<i>time and lead down</i>
		1900		<i>in the net.</i>
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600	Weather	
		2700		
		2800		S.
		2900	French	
		3000	"	" 4. 953.
		3100	Course PSC	N.E.
		3200	Lat. 35°	
		3300		131° 37' 10" E
		3400	Simon	
		3500	Ose Sak	
		3600	Lat. 9. 2 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				

REMARKS:

No. *D. 5063* Date *13 Oct. 1906.*

Machine. Reel.

Turns Cor.+ Depth

Shot or lead

Bottom *No Soundings.*

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *72°* Surface *74°* Drift

Trawl or dredge *2' ...*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	<i>3.12.15</i>	
		100	<i>4.00</i>	
		200	<i>4.45</i>	
		300	<i>5.30</i>	
		400	<i>6.20</i>	
		500		
		600	<i>Towed 30 min.</i>	
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



SOUNDING WIRE.		3530 TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	P.L.	0.5. 1
		2600	Weather	0. 1.
		2700	Time	6 E 2.
		2800	Sea.	5.
		2900	Aneroid	30.08
		3000	Chari	13. N. 953.
		3100	Compass	East.
		3200		
		3300		
		3400	Strong Gale:	
		3500	Ose Saki	N 87° E (tr.)
		3600	dist. 7.5 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. 77 508 Date 15 Oct 01

Machine. Reel.

Turns Cor.+ Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 42 Surface Drift

Trawl or dredge cut 1-200 700 1

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

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

11-1024

REMARKS:

No. *17505* Date *12/11/08*

*Lucas* Machine. Reel.

Turns \_\_\_\_\_ Cor. + \_\_\_\_\_ Depth *235*

Shot or lead *35 lb*

Bottom *bf S H*

Bottom temperature \_\_\_\_\_

No. of thermometer \_\_\_\_\_ Cor. \_\_\_\_\_

Corrected temperature \_\_\_\_\_

Air *6* Surface \_\_\_\_\_ Drift \_\_\_\_\_

Trawl or dredge *9"*

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

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

11-1033

REMARKS:

No. *J 5066* Date *15 Oct 06*  
*Lucas* Machine. Reel.  
 Turns Cor.+ Depth *211*  
 Shot or lead *350 S.C.*  
 Bottom *fine bk.*  
 Bottom temperature *51*  
 No. of thermometer *8155* Cor. *-0.2*  
 Corrected temperature *50.8*  
 Air *74°* Surface *72°* Drift  
 Trawl or dredge *9' Alb. Blake*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100	<i>251</i>	<i>50</i>
		200	<i>250</i>	<i>50</i>
		300	<i>270</i>	<i>50</i>
		400	<i>270</i>	<i>50</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		
		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:

*W. DeLong*

No. *5067* Date *15 Oct 07*

*3000* Machine. Reel.

Turns Cor.+ Depth *293*

Shot or lead *35 lb*

Bottom *W. S. bk sh.*

Bottom temperature *52.2*

No. of thermometer *108155* Cor. *- .2*

Corrected temperature *45*

Air *73* Surface *72* Drift

Trawl or dredge *9' alb Beam*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
	<i>12 35</i>	0		<i>03 00</i>
	<i>11 45</i>	100		<i>04 40</i>
	<i>10 55</i>	200	<i>21.8</i>	<i>06 20</i>
	<i>10 05</i>	300	<i>22.8</i>	<i>08 00</i>
	<i>9 15</i>	400	<i>23.8</i>	<i>09 40</i>
	<i>8 25</i>	500	<i>24.8</i>	<i>11 20</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		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

*Handwritten notes in DREDGE ROPE columns:*  
 2700: variable 1  
 2800: 5  
 2900: 1  
 3000: N N E  
 3100: RA. 95-3  
 3200: 35° 05' 30" E  
 3500: Duruga Gulf:  
 3600: Off Raki, S. 50° E.,  
 3700: dist., 6.5 mi

SERIAL TEMPERATURES.

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

REMARKS:

507  
Lucas  
No.

No. *D. 5068* Date *Oct 15, 1906*

*Lucas* Machine. Reel. *Lucas*

Turns Cor.+ Depth *77 fath.*

Shot or lead *35<sup>lb</sup> + Sigbee cup*

Bottom *bk. S.; bk. Sh.*

Bottom temperature *63.2°*

No. of thermometer *108153-* Cor. -

Corrected temperature *63. "*

Air *80°* Surface *72°* Drift

Trawl or dredge *12' Tanner*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1-01-00</i>	<i>1-03-05</i>	0	<i>1-12-15</i>	<i>1-12-25</i>
<i>1-01-40</i>	<i>1-02-25</i>	<i>77</i>		<i>3/15</i>
		<del>100</del>		
		<i>150</i>		
		<del>200</del>	<i>1-17-15</i>	<i>1-17-15</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>s. d.</i>	
		2600	<i>Weather</i>	<i>log 1</i>
		2700	<i>Wind</i>	<i>0</i>
		2800	<i>Sea</i>	<i>2</i>
		2900	<i>Bar</i>	<i>30.24.</i>
		3000	<i>Course</i>	<i>North</i>
		3100	<i>Chart</i>	<i>B.A. 96-3</i>
		3200	<i>Lat.</i>	<i>35° 02' 20" N</i>
		3300	<i>Long.</i>	<i>138° 46' 56" 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:

*Net slightly torn.*

No. *100* Date *Oct. 15, 1906*  
*Lucas* Machine. Reel. *Lucas*  
 Turns. Cor.+ Depth *131 fath.*  
 Shot or lead *35 lbs. & 4 lbs. cu.*  
 Bottom *M, S, brk. sh.*  
 Bottom temperature *56.0°*  
 No. of thermometer *10815-5-* Cor.  
 Corrected temperature *55.8°*  
 Air *84°* Surface *73°* Drift  
 Trawl or dredge *9' Agassiz*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1-4</i>	<i>1-</i>	0	<i>1-</i>	
		100	<i>5-4-10</i>	
<i>1-4</i>		200	<i>6-2</i>	
		300	<i>02-30</i>	<i>2-16</i>
		400		
		500	<i>13-</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		
		2600		
		2700		
		2800		
		2900		30.22
		3000		East
		3100		B.A. 95-3
		3200		
		3300		
		3400		
		3500		
		3600	Use Saki	
		3700	dist.	
		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:

Net caught on bottom. Came up with beam trawl detached from net on both sides. Hoisted with beam of L

No. *10* *5070* Date *Oct 15, 1906*  
*Lucas* Machine. Reel. *Lucas*  
 Turns Cor.+ Depth *108 fath.*  
 Shot or ~~lead~~ *35-lbs + Sigbee cup*  
 Bottom *M. S., brk.*  
 Bottom temperature *57.8°*  
 No. of thermometer *10815-5* Cor.  
 Corrected temperature *57.6°*  
 Air *88°* Surface *73°* Drift  
 Trawl or dredge *8 Tangle swabs*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>2-32-15</i>	<i>2-36-30</i>	0		
<i>23-10</i>	<i>34-15</i>	100		
<i>2-33-20</i>	<i>2-34-10</i>	<del>108</del> 110		
		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	Weather is	
		2600	Wind	
		2700	Sea	
		2800	Bar	30.2
		2900	Course	East
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		1.8 mi.
		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				

11-10.3

REMARKS:

Last 1 swa

No. *10. 5071* Date *Oct 15/06*  
*Lucas* Machine. Reel. *Lucas*  
 Turns Cor.+ Depth *57 fath.*  
 Shot or lead *35 lbs. + Sigbee cup*  
 Bottom *(?)*  
 Bottom temperature *71.0°*  
 No. of thermometer *10815-5-* Cor.  
 Corrected temperature *70.8°*  
 Air *87°* Surface *73°* Drift  
 Trawl or dredge *9' Blk. Alb.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>3-29-10</i>	<i>3-31-00</i>	0	<i>3-34-25</i>	<i>4.03.50</i>
<i>3-29-40</i>	<i>3-30-30</i>	100	<i>3-34-15</i>	<i>4.00.15</i>
		200		
		300	<i>150</i>	<i>wire out</i>
		400	<i>1 hour 2</i>	
		500	<i>80</i>	
		600	<i>1 hour 10</i>	
		700	<i>100</i>	
		800	<i>= 22</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		
		2600		
		2700		
		2800	Sea	S.
		2900	Wad.	30.20
		3000		
		3100	Lat	35° 03' 10" N.
		3200	Long	138° 49' 50" E
		3300	Chart	B. A. 95-3
		3400	Bearings: -	Dec
		3500	Saki, S.	53½° W. dist
		3600	2.6 mi.	
		3700		
		3800	Ouringa	Gulf.
		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. *15072* Date *15 Dec 06*

*Lucas* Machine. Reel. *Common*

Turns Cor.+ Depth *284 fms.*

Shot or lead *35-lb and 55 lbs*

Bottom *gy. M.*

Bottom temperature *44.3*

No. of thermometer *108155* Cor. *- .2*

Corrected temperature *44.1*

Air *69°* Surface *75°* Drift

Trawl or dredge *9' F/16 - R.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>8.23.35</i>	<i>8.29.15</i>	0	<i>8.26.10</i>	
<i>24.25</i>	<i>26.20</i>	100	<i>51.45</i>	
<i>25.20</i>	<i>27.35</i>	200	<i>48.30</i>	
<i>26.20</i>	<i>28.55</i>	<i>280</i> 300	<i>10.00</i>	
		400	<i>8.44.55</i>	<i>8.06.55</i>
		500		
		600	<i>2.20 min.</i>	
		700		
		800	<i>Water surface 200</i>	
		900	<i>bottom line found</i>	
		1000	<i>between 100 and 110</i>	
		1100	<i>fms.</i>	
		1200	<i>After 10 min. reached</i>	
		1300	<i>the surface found for</i>	
		1400	<i>16 min. to reach</i>	
		1500	<i>surface, 10 min. to reach</i>	
		1600	<i>17 min. to reach</i>	
		1700	<i>18 min. to reach</i>	
		1800	<i>19 min. to reach</i>	
		1900	<i>20 min. to reach</i>	
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		57.5
		2600		Bend 9
		2700		NE 3'
		2800		S
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		Saouga Gulf =
		3500		Omi Saki Light
		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. 5073*. Date *16 Oct. 1906.*

*Lucas* Machine. Reel. *Lucas*

Turns Cor.+ Depth *148 fms.*

Shot or lead *35 lb and 5.3 lb lead*

Bottom *gy. M.*

Bottom temperature *54.08*

No. of thermometer *108155*. Cor. *-.2*

Corrected temperature *54.6*

Air *72°* Surface *75°* Drift

Trawl or dredge *9' Alb.-Bl.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	<i>10.11.00</i>	<i>10.07.00</i>
		100		<i>10.07.25</i>
<i>10.15.00</i>	<i>10.52.00</i>	<i>148</i>		<i>10.07.50</i>
		200		<i>10.08.15</i>
		300		<i>10.08.40</i>
		400		<i>10.09.05</i>
		500		<i>10.09.30</i>
		600		<i>10.09.55</i>
		700		<i>10.10.20</i>
		800		<i>10.10.45</i>
		900		<i>10.11.10</i>
		1000		<i>10.11.35</i>
		1100		<i>10.11.55</i>
		1200		<i>10.12.15</i>
		1300		<i>10.12.35</i>
		1400		<i>10.12.55</i>
		1500		<i>10.13.15</i>
		1600		<i>10.13.35</i>
		1700		<i>10.13.55</i>
		1800		<i>10.14.15</i>
		1900		<i>10.14.35</i>
		2000		<i>10.14.55</i>
		2100		<i>10.15.15</i>
		2200		<i>10.15.35</i>
		2300		<i>10.15.55</i>
		2400		<i>10.16.15</i>

*Water surface rising  
to 7 feet.*

*Shot 17, lead 5.3 lb  
5 min., and 3 min.  
under 3 1/2 min.  
Hove in shot  
with several  
under a  
of between  
tons. The  
came to surface  
bridle stop  
away, but the  
retained its  
position.  
not at surface.*

*27 min. 15 sec.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600	<i>Wind</i>	<i>NE 1/3</i>
		2700	<i>Wind</i>	<i>NE 1/3</i>
		2800		
		2900		
		3000		
		3100	<i>use PSC</i>	<i>NNE</i>
		3200		
		3300	<i>Lat. 138° 2' 00" E.</i>	
		3400	<i>Surge</i>	
		3500		
		3600	<i>S 32 1/2° W (tr.), dist.</i>	
		3700	<i>12.3 miles.</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				

REMARKS:

No. 11 J 07 4 Date

Machine. Reel.

Turns Cor.+ Depth 4

Shot or lead 35 lb

Bottom 90 f

Bottom temperature

No. of thermometer 1041 Cor. - .2

Corrected temperature 74.1

Air 75 Surface 77 Drift

Trawl or dredge 90'

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
20	1.01.2	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.	13.0
		2600		
		2700		11.5
		2800	Sea	.8.
		2900	Sea	30.11
		3000	Sea	W. by N
		3100		Red. 55
		3200		34° 46' 45" N.
		3300		138° 18' 30" E.
		3400		
		3500	Suruga Gulf.	
		3600	Asaiaki Light.	
		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. *115075* Date *18 Oct 01*

*TN* Machine. Reel.

Turns Cor.+ Depth *22*

Shot or lead *35 lb*

Bottom *fine S*

Bottom temperature *75.2*

No. of thermometer *101155* Cor. - *0*

Corrected temperature *75*

Air Surface Drift

Trawl or dredge *9* *W. of* *1* *Slab*

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



SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		45
		2600	Weather -	6 cm l
		2700	Wind	7 5 2
		2800	Sea	8
		2900	30	08
		3000	30	11
		3100	31	05 3
		3200	Lat 34° 38' 15" N.	
		3300	Long 138° 16' 15" E.	
		3400		
		3500	Surveys a	St. L.
		3600	Omari Daki Light.	
		3700	S. 38 1/2 W.,	3.3 mi.
		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:

*Lucas*  
 No. *307* Date *11-11-05*  
 Machine. *Lucas* Reel. *Lucas*  
 Turns Cor.+ Depth *265 fath.*  
 Shot ~~on lead~~ *35<sup>lb</sup> + Sigsbee cup.*  
 Bottom *gy. s., brk. sh.*  
 Bottom temperature *44.0°*  
 No. of thermometer *10815-5-* Cor. *-.2°*  
 Corrected temperature *43.8°*  
 Air *70°* Surface *70°* Drift  
 Trawl or dredge *9' Alb. Ullk*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>11-07-00</i>	<i>11-14-05</i>	0	<i>11-18-15</i>	<i>11-41-00</i>
<i>08-00</i>	<i>12-50</i>	100	<i>21-</i>	
<i>08-50</i>	<i>11-20</i>	200	<i>23-45</i>	<i>35-50</i>
		<i>265</i>		
		<del>300</del>		
		400		
		500		
		600		
		700		
		800	<i>Net caught on</i>	
		900	<i>bottom, acc. re-</i>	
		1000	<i>gistering nearly</i>	
		1100	<i>1/2 tons.</i>	
		1200	<i>Lost frame,</i>	
		1300	<i>lead ropes &amp;</i>	
		1400	<i>part of net.</i>	
		1500	<i>saved part of</i>	
		1600	<i>net, bridle,</i>	
		1700	<i>tail weight, &amp;</i>	
		1800	<i>floats.</i>	
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	1.0	9.0
		2600	Weather	Clear 10
		2700	Wind	Variable 2
		2800		2
		2900		29.98
		3000	Course	E. & E.
		3100	Chart	A. 155
		3200		7' 30" N.
		3300		12' 30" E.
		3400		
		3500	Bearings	Nidomoto
		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:

607  
11

No. *H. 4895*. Date *17 Oct. 1906*.

*Lucas* Machine. Reel. *Lucas*

Turns Cor.+ Depth *361 fms.*

Shot or lead *35 lb and 35 lb lead*

Bottom *cr. S. sh. S. sm. (S. sh.)*

Bottom temperature *39.8*

No. of thermometer *108155*. Cor. *- .2*

Corrected temperature *39.6*

Air *75°* Surface *75°* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>12:31:00</i>	<i>12:38:30</i>	0		
<i>31.50</i>	<i>37.40</i>	100		
<i>32.45</i>	<i>36.50</i>	200		
<i>33.45</i>	<i>35.55</i>	300		
<i>12.34.25</i>	<i>12.35.15</i>	<i>361</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	—
		2900	Amoroids	—
		3000	Chart No. 953.	
		3100	Course, 280	—
		3200	Lat. 34° 28' 20" N.	
		3300	Long. 138° 50' 35" E.	
		3400	Mzkonot, Sima Lt.	
		3500	74.0° E. 5.1' S.	
		3600	8 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. *FT 4996*. Date *1<sup>st</sup> Dec. 1906.*  
*Lucas* Machine. Reel. *Lucas*  
 Turns Cor.+ Depth *279 fms.*  
 Shot or lead *35 lb and 5 lb. Sup.*  
 Bottom *gy. S. bk. Sh. 6 ml. St.*  
 Bottom temperature *43.6*  
 No. of thermometer *108155.* Cor. *-.2*  
 Corrected temperature *43.4*  
 Air *74°* Surface *75°* Drift  
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1. 22.45</i>	<i>1. 27.40</i>	0		
<i>4.40</i>	<i>28.00</i>	100		
<i>25.30</i>	<i>28.00</i>	200		
<i>1. 26.15</i>	<i>1. 27.20</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		
		2700	70	
		2800		
		2900		
		3000		
		3100		
		3200		9' 5" N.
		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:

No. *A. 5077*. Date *17 Oct. 1906.*  
*Lucas* Machine. Reel. *Lucas*  
 Turns Cor.+ Depth *520 fms.*  
 Shot or lead *35# and S. S. Cup.*  
 Bottom *fine bk. S. M (?)*  
 Bottom temperature *34.0*  
 No. of thermometer *108155*. Cor. *-.1*  
 Corrected temperature *38.9*  
 Air Surface Drift  
 Trawl or dredge *Lucas Trawl*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>4.11.55</i>	<i>2.11.55</i>	0	<i>2.30.25</i>	
	<i>22.00</i>	100		
<i>14.15</i>		200		
<i>15.00</i>		300		
<i>16.00</i>		400		
<i>17.00</i>		500		
<i>17.50</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		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES. No. 359.10

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
15	56	108021	-0.2'	75.4°
25			-0.2	72.3
50		108154	-0.2	62.1
100		108019	-0.2	51.3
200			-0.2	30
300			-0.3	15.5
400			-0.1	10.2
500				Thermometer.
600				
700				
800				
900				
1000				

REMARKS:

10 fathoms depth -  
 10 fathoms depth -  
 10 fathoms depth -

No. *D. 5078* Date. *Oct. 19, 1906*  
*Lucas* Machine. Reel. *Lucas*  
 Turns Cor.+ Depth *514 fath.*  
 Shot or lead *35 lbs. & 29 lbs.*  
 Bottom *fine gy. S, G lob.*  
 Bottom temperature *39°*  
 No. of thermometer *10815-5* Cor. *-.1°*  
 Corrected temperature *38.9°*  
 Air *71°* Surface *76°* Drift  
 Trawl or dredge *9' Alb. Bkls.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1-00-00</i>	<i>1-10-35</i>	0		
<i>01-15</i>	<i>09-50</i>	100		
<i>02-10</i>	<i>09-05</i>	200		
<i>03-05</i>	<i>08-20</i>	300		
<i>04-05</i>	<i>07-35</i>	400		
<i>05-00</i>	<i>06-50</i>	500		
<i>1-00-15</i>	<i>1-05-10</i>	<del>600</del> <i>514</i>		
		700		
		<del>800</del> <i>749</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		74.9
		2600	Obtained	
		2700	"	Variable 2
		2800		S
		2900		
		3000		P. O.
		3100		72.1301.
		3200		54.22057
		3300		12.0000 E
		3400	Obtained	Limit
		3500		V. 22.0 E 301.
		3600		2.5
		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:

Net came up with line  
with ... Lost 1 float

No. *10. 5079* Date *Oct. 19, 1906*

*Lucas* Machine. Reel. *Lucas*

Turns Cor.+ Depth *475 fath*

Shot or lead *35<sup>th</sup> + Sigsbee cup*

Bottom *gs.*

Bottom temperature

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

Corrected temperature *39.1°*

Air *55°* Surface *74°* Drift

Trawl or dredge *9' Agassiz*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
	<i>2:31:15</i>	0		
<i>3-20</i>	<i>22</i>	100	<i>35-20</i>	<i>37-15</i>
<i>4-30</i>	<i>23</i>	200	<i>40-35</i>	<i>38-20</i>
<i>5-40</i>	<i>24</i>	300	<i>45-40</i>	<i>39-25</i>
<i>6-50</i>	<i>25</i>	400	<i>50-45</i>	<i>40-30</i>
<i>7-00</i>	<i>26</i>	500	<i>55-50</i>	<i>41-35</i>
		600	<i>58-50</i>	<i>42-40</i>
		700	<i>60-50</i>	<i>43-45</i>
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400	<i>to 700 fath. &amp; towed</i>	
		1500	<i>20 min.</i>	
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600		
		2700		
		2800		
		2900		
		3000	<i>Louise G. H. G.</i>	
		3100	<i>Chart H.O. 1301.</i>	
		3200	<i>Lat. 34° 15' 00" N.</i>	
		3300	<i>Long. 138° 00' 00" E.</i>	
		3400	<i>Ohai Sako Lt.</i>	
		3500	<i>N 29° E (true),</i>	
		3600	<i>Dist. 24 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				

REMARKS:

No. *111* Date *Oct 19, 1906*  
*meas* Machine. Reel. *Lucas*  
 Turns Cor.+ Depth *505 fath*  
 Shot or lead *35<sup>#</sup> & sigbee cup*  
 Bottom *fine gy. S. G. lo.*  
 Bottom temperature *38.8°*  
 No. of thermometer *10815-6-* Cor. *-.1°*  
 Corrected temperature *38.7°*  
 Air *72°* Surface *75°* Drift  
 Trawl or dredge *9' Agassiz*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN. <i>111</i>	UP.		DOWN.	UP.
		0		<i>5.03.15</i>
		100	<i>6.01.00</i>	<i>5.00.30</i>
		200	<i>03.00</i>	<i>57.25</i>
		300	<i>07.00</i>	<i>55.00</i>
		400	<i>10.50</i>	<i>52.25</i>
		500	<i>15.50</i>	<i>49.00</i>
		600	<i>20.50</i>	<i>45.00</i>
		700	<i>26.00</i>	<i>41.00</i>
		800	<i>31.00</i>	<i>37.00</i>
		900		
		1000	<i>36.00</i>	<i>33.00</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</i>	<i>bc 3.</i>
		2700	<i>Wind</i>	<i>Variable 3</i>
		2800	<i>Sea</i>	<i>S.</i>
		2900	<i>Aneroid</i>	<i>30.03</i>
		3000	<i>Chart</i>	<i>H.O. 1301.</i>
		3100	<i>Course PSC</i>	<i>SW.</i>
		3200	<i>Lat. 34° 10' 30" N</i>	
		3300	<i>Long. 138° 00' 40" E.</i>	
		3400	<i>Omae Saki Light</i>	
		3500	<i>N 23 1/2° E (Tr.),</i>	
		3600	<i>dist. 28.0 miles.</i>	
		3700		<i>*</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				

REMARKS:

507

*507*  
*507*

No. *D. 5081* Date *19 Oct. 1906.*

Machine. Reel.

Turns Cor.+ Depth

Shot or lead

Bottom



*Surface Haul.*

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air *70°* Surface *75°* Drift

Trawl or dredge

*Inter. No 1 with elect. lt., port line, two  
2 Kfcs. No 1 towing astern.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	<i>6.48.15</i>	<i>7.08.45</i>
		100		
		200	<i>= 20<sup>3</sup>/<sub>4</sub> mins.</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	P.L.	81.4
		2600	Weather	bc 3.
		2700	Wind	ESE 2.
		2800	Sea	S.
		2900	Amid	30.06
		3000	Chart	H.O. 1301.
		3100	Course PSC	NNE.
		3200	Lat. 24° 14' 00" N.	
		3300	Long. 138° 02' 00" E	
		3400		
		3500	Omai Saki Light.	
		3600	N. 18' 1/2 E.	
		3700	dist. 73.0 mi.	
		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:

at 3.20

108021	—	10
104914	—	15
108154	—	25
108019	—	50
<del>108012</del>	—	100

108155	✓	108012	—	100
		98244	—	100

1 - 60  
 5280

Rio: overhilt  
 in pants  
 cap  
 ribbon

164 up for Slip Chute

50  
 100

✓ Davis } rept: not obeying orders  
 ✓ Gibbons } promptly - memo  
 10.00 ol.