

25075
Jap. Green
9
1915

100
133

De 5087-5095

2061

Japaneze
Lap...
Lap...
Lap...

Aug 6. 1903
376



Aug 6 1903
Commerce and Labor

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. **115082** Date **20 Oct 08**

Lucas Machine. Reel.

Turns Cor. + Depth **662**

Shot or lead **35" 8 Cup**

Bottom *gn. m. fine S. Glob.*

Bottom temperature **37.8**

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

Corrected temperature **37.7**

Air **71°** Surface **75°** Drift

Trawl or dredge **9' Agassiz**

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
52 50	05 00	0	52 50	52 15
53 55	15 02	100	13 50	49 10
54 35	03 20	200	16 45	46 10
55 25	02 40	300	19 40	43 15
56 15	02 00	400	22 30	40 15
57 05	01 10	500	25 30	37 15
58 05	00 20	600	28 30	34 15
58 45	7 59.15	700	31 20	31 10
		800	34 30	28 10
		900	37 00	25 10
		1000	4.10	21 50
		1100	4.20	21 30
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

6 m.

2500	P.L.	9 05
2600	Weather	bcg 9
2700	Wind	NE 2
2800	Sea	1/2
2900	Bar	30.13
3000	Course	W
3100	Chart	40. 1301
3200	Lat	34° 05' 01" N.
3300	Long	137° 59' 01" E
3400		
3500	Omni	Star Light.
3600		71. 75° E. 33.0'
3700		
3800		
3900		
4000		

SERIAL TEMPERATURES.

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

REMARKS:

507. *JA*

No. *5083* Date *20 Oct 07*

Lucas Machine. Reel.

Turns Cor. + Depth *624*

Shot or lead *35 lb Cup*

Bottom *fine gy S glob*

Bottom temperature *38.2*

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

Corrected temperature *38.1*

Air *72* Surface *75* Drift

Trawl or dredge *9" Agassiz*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>9:21:30</i>	<i>1600</i>	0	<i>10 25:00</i>	<i>800</i>
<i>9:59:25</i>	<i>12:15</i>	100	<i>28:20</i>	<i>500</i>
<i>10:00:10</i>	<i>13:30</i>	200	<i>31:15</i>	<i>215</i>
<i>00:55</i>	<i>12:20</i>	300	<i>34:15</i>	<i>39:30</i>
<i>01:45</i>	<i>11:00</i>	400	<i>37:25</i>	<i>36:30</i>
<i>02:35</i>	<i>09:35</i>	500	<i>40:40</i>	<i>33:15</i>
<i>03:30</i>	<i>08:05</i>	600	<i>43:40</i>	<i>30:00</i>
<i>03:40</i>	<i>07:40</i>	<i>624</i>	<i>46:15</i>	<i>26:40</i>
		800	<i>50:05</i>	<i>23:30</i>
		900	<i>53:30</i>	<i>20:30</i>
		1000	<i>57:00</i>	<i>11:15:10</i>
<i>Shot did not</i>		1100		
<i>detach heaved</i>		1200		
<i>in 10 fms &</i>		1300		
<i>lowered away</i>		1400		
<i>again to detach</i>		1500		
<i>shot</i>		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

28 m

	2500	P.L.	
	2600	Windy	Fog
	2700	Wind	NW r
	2800	Sea	S
	2900	Bar	30.14
	3000	Course	NW
	3100	Chart	N.O. 1301
	3200	Lat	34° 04' 20" N
	3300	Long	139° 59' 30" E
	3400		
	3500	Omae Is. Light	
	3600	N. 23 1/2° E	
	3700		34.5 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:

No. *10* 5084 Date *Oct. 20, 1906*Machine. *Lucas* Reel. *Lucas*Turns Cor. + Depth *918 fath.*Shot or lead *60^{lb} + Sigbee cup*Bottom *gn. M., fine S., glob.*Bottom temperature *36.9°*No. of thermometer *108155* Cor. *-.1°*Corrected temperature *36.8°*Air *69°* Surface *75°* DriftTrawl or dredge *9' Agassiz*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1-03-20</i>	<i>1-22-05</i>	0	<i>1-25-40</i>	<i>4-00-15</i>
<i>04-15</i>	<i>21-15</i>	100	<i>28-50</i>	<i>58-15</i>
<i>05-10</i>	<i>20-30</i>	200	<i>31-50</i>	<i>54-40</i>
<i>06-10</i>	<i>19-40</i>	300	<i>34-50</i>	<i>51-55</i>
<i>07-15</i>	<i>19-00</i>	400	<i>37-50</i>	<i>49-10</i>
<i>08-20</i>	<i>18-15</i>	500	<i>41-00</i>	<i>46-25</i>
<i>09-30</i>	<i>17-30</i>	600	<i>44-05</i>	<i>43-40</i>
<i>10-40</i>	<i>16-45</i>	700	<i>47-10</i>	<i>40-50</i>
<i>11-50</i>	<i>15-50</i>	800	<i>50-30</i>	<i>38-05</i>
<i>13-00</i>	<i>14-40</i>	900	<i>53-45</i>	<i>35-10</i>
<i>1-13-20</i>	<i>1-14-20</i>	<i>918</i>	<i>56-55</i>	<i>32-10</i>
		1000		
		1100	<i>2-00-10</i>	<i>29-10</i>
		1200	<i>03-25</i>	<i>26-10</i>
		1300	<i>06-40</i>	<i>23-15</i>
		1400	<i>10-00</i>	<i>20-00</i>
		1500	<i>2-17-00</i>	<i>3-17-00</i>
		1600		
		1700		
		1800	<i>Towed 3 min. at</i>	
		1900	<i>1400 fath., then</i>	
		2000	<i>let out to 1500 fath.</i>	
		2100	<i>+ towed for 1 hr.</i>	
		2200		
		2300		
		2400		

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

P.L. 18.4
Weather Amp. 10
Wind S.W. 2
Sea S.
Bar. 30.09
Course West to North
Chart H.O. 1301
Lat. $34^{\circ}00'00''N.$
Long. $137^{\circ}49'40''E.$
Omai Sake Lt.
N. $29\frac{1}{2}^{\circ}E.$ (tr.),
Dist. 41 miles.

SERIAL TEMPERATURES.

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

REMARKS:

507

No. 5201 Date Dec 10 06

Machine. Reel.

Turns Cor. + Depth

Shot or lead

Bottom (No Sounding)

Bottom temperature Inter. Haul.

No. of thermometer Cor.

Corrected temperature

Air 69° Surface 75° Drift

Trawl or dredge { Inter. No 1 and 2 }

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	11.25	11.50
		100	12.35	
		200	15.30	
		300	18.35	
		400	4.21.40	
		500		
		600	= 20	
		700	at an approx. depth	
		800	of 300	
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500		
2600	Weather	om 10
2700	Wind	NW 1/2
2800	Sea	S
2900	Aneroid	30.09
3000	Bar	40.130
3100	Bar	40.130
3200	Lat.	} See beginning of station.
3300	Long.	
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. *115*

Date *23 Oct*

Machine. *Sigsbee*

Reel.

Turns

Cor. +

Depth *622*

Shot or lead *35 lb cup*

Bottom *gn M fine*

Bottom temperature *37*

No. of thermometer *101155*

Cor. *-1*

Corrected temperature *37.8*

Air *61*

Surface *71*

Drift

Trawl or dredge *12 ft beam trawl*

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
	<i>2:30</i>	0		
	<i>2:45</i>	100		
	<i>3:00</i>	200		
	<i>3:15</i>	300		
	<i>3:30</i>	400		
	<i>3:45</i>	500		
	<i>4:00</i>	600		
	<i>4:15</i>	700		
	<i>4:30</i>	800		
	<i>4:45</i>	900		
	<i>5:00</i>	1000		
	<i>5:15</i>	1100		
	<i>5:30</i>	1200		
	<i>5:45</i>	1300		
	<i>6:00</i>	1400		
	<i>6:15</i>	1500		
	<i>6:30</i>	1600		
	<i>6:45</i>	1700		
	<i>7:00</i>	1800		
	<i>7:15</i>	1900		
	<i>7:30</i>	2000		
	<i>7:45</i>	2100		
	<i>8:00</i>	2200		
	<i>8:15</i>	2300		
	<i>8:30</i>	2400		

	2500	1. L. 50.4
	2600	Weather m. b.
	2700	Wind NE 1/2
	2800	Sea S
	2900	See 30.14
	3000	Course N. 10.
	3100	Chart B. A. 953.
	3200	Lat 35° 06' 45" N.
	3300	Long 139° 19' 45" E.
	3400	
	3500	Log ...
	3600	Time ...
	3700	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				

REMARKS:

No. 115086 Date 23 Oct 1911

Lucas Machine. Reel.

Turns Cor. + Depth 292

Shot or lead 35 lb S Cup

Bottom gn m crs bk s.

Bottom temperature 43.9

No. of thermometer 208125 Cor. -0.2

Corrected temperature 43.7

Air Surface 75 Drift

Trawl or dredge 4 m 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		

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

Handwritten notes and coordinates:
 3100 33° 08' 10" N
 3200 33° 08' 10" N
 3300 33° 30' 00" E
 3500 Beyond the zone
 3600 Lima Light
 3700 10.0'

SERIAL TEMPERATURES.

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

REMARKS:

No. *Lucas* Date *July 1885*
Lucas Machine. Reel. *Lucas*
 Turns Cor. + Depth *614 fath.*
 Shot or lead
 Bottom *M.*
 Bottom temperature *37.7*
 No. of thermometer *108.155* Cor. *-*
 Corrected temperature *37*
 Air *62* Surface *70°* Drift
 Trawl or dredge *0' net*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
	<i>58-30</i>	0		
		100		
		200		
	<i>57-41</i>	300		
	<i>56-52</i>	400	<i>15-00</i>	
	<i>56-03</i>	500		<i>3</i>
	<i>55-14</i>	600		
	<i>54-25</i>	700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500		
2600	<i>Weather clear</i>	<i>12</i>
2700	<i>clear</i>	<i>13</i>
2800		
2900		
3000		
3100	<i>353</i>	
3200	<i>air 55° by 40° 7'</i>	
3300	<i>130° 14' 05" E</i>	
3400	<i>Occasional</i>	
3500		
3600	<i>700 yds. 700</i>	
3700	<i>Series Light</i>	
3800	<i>W. 16.8 mi</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				

REMARKS:

No. *D. 5088* Date *25 Oct. 06.*

U Lucas Machine. Reel. *Lucas*

Turns Cor. + Depth *369 fms.*

Shot or lead *35 lb S.S. Cmp.*

Bottom *gn. S.*

Bottom temperature *42°*

No. of thermometer *108153* Cor. *- 2*

Corrected temperature *41.8*

Air *71°* Surface *70°* Drift

Trawl or dredge *Q1 576.-*

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

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

2500	<i>U.L.</i>
2600	<i>Weather</i>
2700	<i>Wind</i>
2800	<i>Sea</i>
2900	<i>Mercur</i>
3000	<i>Cran</i>
3100	<i>Compass</i>
3200	<i>Lat. 30</i>
3300	<i>Long. 13</i>
3400	<i>Sage</i>
3500	<i>Tokis</i>
3600	<i>S. 65</i>
3700	<i>7.7</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:

NA

No. *D. 5089*. Date *25 Oct. 06.*

Sigsbee Machine. Reel. *Sigsbee*

Turns _____ Cor. + _____ Depth *405 fms.*

Shot or Lead *35-lb x S.S.C.*

Bottom *gn. M.*

Bottom temperature *40.2*

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

Corrected temperature *40*

Air *71°* Surface *71°* Drift _____

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

2m SOUNDING WIRE.

2m DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
<i>9.45.30</i>	<i>9.54.10</i>	0	<i>10.10.30</i>	<i>10.07.30</i>
<i>57.00</i>	<i>58.15</i>	100	<i>05.30</i>	<i>04.55</i>
<i>57.55</i>	<i>57.20</i>	200	<i>08.30</i>	<i>11.02.10</i>
<i>58.50</i>	<i>56.25</i>	300	<i>11.30</i>	<i>9.10</i>
<i>59.45</i>	<i>55.30</i>	400	<i>14.30</i>	<i>15.15</i>
<i>60.40</i>	<i>55.10</i>	500	<i>17.30</i>	<i>18.15</i>
		600	<i>10.21.10</i>	<i>10.38:00</i>
		700		
		800	<i>10.18.00</i>	<i>Sec</i>
		900		<i>9.7.45</i>
		1000		
		1100		
		1200		
		1300		
		1400		<i>Fixed 20 min.</i>

*Accumulator unsteady by 1500 while hauling; wire
 with coils 20 m. at 1700. It started haul-
 ing in several lines 1800, accumulator re-
 gistering nearly 4. 1900
 (work in case of 460 fms
 2000)
 2100
 2200
 and glass floats. 2300
 tail weight sec 2400*

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

[Faint handwritten notes and numbers, possibly including '13' and '2000']

SERIAL TEMPERATURES.

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

REMARKS:

No. *1500* Date *21 April*

Sigsbee Machine. Reel.

Turns Cor. + Depth *200*

Shot or lead *35 lb Sigsbee*

Bottom *F - shls*

Bottom temperature *27.0*

No. of thermometer *10815* Cor. *- 2*

Corrected temperature *27.0*

Air *72* Surface *76.8* Drift

Trawl or dredge *9" Alford Blake*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100	<i>25</i>	<i>13</i>
		200	<i>21</i>	<i>10</i>
		300	<i>21</i>	<i>10</i>
		400	<i>21</i>	<i>10</i>
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500	3.7
2600	Under
2700	Wind 71. 5. 4-5
2800	Sea 8
2900	30.06
3000	72
3100	10. 1291
3200	35° 03' 50" N.
3300	159° 37' 30" E
3400	
3500	
3600	Waga Strait,
3700	Toga Shima Pt.
3800	71. 3. 11. 4.4 m
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. *Date*

Machine. *Reel.*

Turns *Cor. +* *Depth*

Shot or lead

Bottom

Bottom temperature

No. of thermometer *Cor.*

Corrected temperature

Air *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		

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

Handwritten notes and scribbles, including a large 'M' and other illegible marks.

SERIAL TEMPERATURES.

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

REMARKS:

No. 250, Date

Machine. Reel.

Turns Cor. + Depth 147

Shot or lead

Bottom gm M. c.

Bottom temperature

No. of thermometer Cor. - 2

Corrected temperature

Air 65 Surface 59 Drift

Trawl or dredge 9

SOUNDING WIRE.

DREDGE ROPE.

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

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

Water bc 8
Wind N.E. 4-5
Sea S
Bar 30.08
Chart No. 1291
Lat 32° 04' 10" N.
Long 139° 38' 15" E.
Uraga Strait
Tokyo, Joga
Shima Light,
71.15° West 42 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. 15592 Date 26 Oct

Machine. Sigsbee Reel.

Turns _____ Cor. + _____ Depth 70

Shot or lead 35 lb cup

Bottom crs bk S

Bottom temperature 56.5

No. of thermometer 608155 Cor. - _____

Corrected temperature 56.5

Air 0 Surface 69 Drift _____

Trawl or dredge 9' Blake

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		22 10
		100		
		200		15 21
		300		11 15
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500	
2600	
2700	212.5
2800	
2900	212.5
3000	212.5
3100	212.5
3200	212.5
3300	212.5
3400	
3500	212.5
3600	212.5
3700	212.5
3800	212.5
3900	212.5
4000	212.5

SERIAL TEMPERATURES.

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

REMARKS:

507. 201
1913

No. *D. 5-0. 93* Date *Oct*

Lucas Machine. Reel.

Turns Cor. + Depth *302*

Shot or lead *35# 4*

Bottom *Crs. bk. L.*

Bottom temperature *44.1°*

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

Corrected temperature *43.9°*

Air *64°* Surface *70°* Drift

Trawl or dredge *9' Bk. Alb.*

SOUNDING WIRE.

DREDGE ROPE.

TURNS.

DOWN. *11/1* UP.

DOWN.

UP.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	<i>11/1</i> UP.		DOWN.	UP.
<i>12-43-30</i>	<i>12-52</i>	0	<i>5-5-4</i>	<i>1</i>
<i>12</i>		100		
<i>45-30</i>	<i>49-30</i>	200	<i>1-42</i>	<i>1</i>
<i>41</i>	<i>45-30</i>	300	<i>1-5-15</i>	<i>11</i>
<i>12-47-30</i>	<i>12-48-30</i>	400	<i>1-10-30</i>	<i>1</i>
		500	<i>1-15-45</i>	<i>1</i>
		600		
		700	<i>= 1-21-00</i>	<i>10 sec</i>
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500		
2600	Weather	bc. 3.
2700	Wind	S.E. 5.
2800		
2900	Bar.	30.04
3000	Course	North
3100	Lat	35° 03' 15" N.
3200	Long	139° 37' 42" E.
3300	Chart	H.O. 129
3400	Bearing	Uraga
3500	Strait	(Entrance to
3600	Gulf of Tokio)	Uraga
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:

107. 1019

De

No. 10. 5094 Date Oct. 26/06

Machine. Reel. Lucas

Turns Cor. + Depth 86

Shot or lead 35th + 1 lb. shot

Bottom bk. S. bk. S.

Bottom temperature 35.0°

No. of thermometer 108165 Cor. -.2°

Corrected temperature 34.8°

Air 65° Surface 69° 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		

2500		7.0
2600		40
2700		Q. 6. 5
2800		
2900		
3000		
3100		
3200		
3300		
3400		
3500		
3600		100 a. 10 min
3700		18 1/2 Ob. 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:

No. *D. 5095* Date *Oct. 26, 1906*

cas. Machine. Reel. *Lucas*

Turns _____ Cor. + _____ Depth *58*

Shot or lead *35# + S₁*

Bottom *gy. sh.*

Bottom temperature *58.0*

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

Corrected temperature *56*

Air *67°* Surface *67°* Drift _____

Trawl or dredge *9' Ollib*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
	<i>3</i>	0		
	<i>4</i>	100	<i>11</i>	
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500		
2600		
2700		
2800		
2900		
3000		
3100		H ₂ O
3200		35° 00' 30" S.
3300		135° 30' 40" E.
3400		
3500		Obtained by 11 hr. L.
3600		
3700		28° Ob. 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:

No. *Date*
Machine. *Reel.*
Turns *Cor. +* *Depth*
Shot or lead
Bottom
Bottom temperature
No. of thermometer *Cor.*
Corrected temperature
Air *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		

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. Date

Machine. Reel.

Turns Cor. + Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 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		

2500
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 3100
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 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. *Date*
Machine. *Reel.*
Turns *Cor. +* *Depth*
Shot or lead
Bottom
Bottom temperature
No. of thermometer *Cor.*
Corrected temperature
Air *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		
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		1900		
		2000		
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		2200		
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 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. Date

Machine. Reel.

Turns Cor. + Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 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		
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		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
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 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. *Date*
Machine. *Recl.*
Turns *Cor. +* *Depth*
Shot or lead
Bottom
Bottom temperature
No. of thermometer *Cor.*
Corrected temperature
Air *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		
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2500
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 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. *Date*
Machine. *Reel.*
Turns *Cor. +* *Depth*
Shot or lead
Bottom
Bottom temperature
No. of thermometer *Cor.*
Corrected temperature
Air *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		
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 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. *Date*

Machine. *Reel.*

Turns *Cor. +* *Depth*

Shot or lead

Bottom

Bottom temperature

No. of thermometer *Cor.*

Corrected temperature

Air *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		
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 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. Date

Machine. Reel.

Turns Cor. + Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 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		

2500
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 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. *Date*
Machine. *Reel.*
Turns *Cor. +* *Depth*
Shot or lead
Bottom
Bottom temperature
No. of thermometer *Cor.*
Corrected temperature
Air *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		

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. *Date*
Machine. *Reel.*
Turns *Cor. +* *Depth*
Shot or lead
Bottom
Bottom temperature
No. of thermometer *Cor.*
Corrected temperature
Air *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		

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. Date

Machine. *Reel.*

Turns *Cor. +* *Depth*

Shot or lead

Bottom

Bottom temperature

No. of thermometer *Cor.*

Corrected temperature

Air *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		

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. Date
Machine. Reel.
 Turns Cor. + Depth
 Shot or lead
 Bottom
 Bottom temperature
 No. of thermometer Cor.
 Corrected temperature
 Air 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		

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.

Date

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

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		

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. _____ Date _____

Machine. _____ Reel. _____

Turns _____ Cor. + _____ Depth _____

Shot or lead _____

Bottom _____

Bottom temperature _____

No. of thermometer _____ Cor. _____

Corrected temperature _____

Air _____ Surface _____ Drift _____

Trawl or dredge _____

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
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SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
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REMARKS:

No. Date

Machine. Reel.

Turns Cor. + Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
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SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
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REMARKS:

No. *Date*
Machine. *Reel.*
Turns *Cor. +* *Depth*
Shot or lead
Bottom
Bottom temperature
No. of thermometer *Cor.*
Corrected temperature
Air *Surface* *Drift*
Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
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SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
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REMARKS:

No. *Date*

Machine. *Reel.*

Turns *Cor. +* *Depth*

Shot or lead

Bottom

Bottom temperature

No. of thermometer *Cor.*

Corrected temperature

Air *Surface* *Drift*

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
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SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
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REMARKS:

No. *Date*
Machine. *Reel.*
Turns *Cor. +* *Depth*
Shot or lead
Bottom
Bottom temperature
No. of thermometer *Cor.*
Corrected temperature
Air *Surface* *Drift*
Trawl or dredge

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

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
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REMARKS:

No. *Date*
Machine. *Reel.*
Turns *Cor. +* *Depth*
Shot or lead
Bottom
Bottom temperature
No. of thermometer *Cor.*
Corrected temperature
Air *Surface* *Drift*
Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
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SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
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REMARKS:

No. *Date*
Machine. *Reel.*
Turns *Cor. +* *Depth*
Shot or lead
Bottom
Bottom temperature
No. of thermometer *Cor.*
Corrected temperature
Air *Surface* *Drift*
Trawl or dredge

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

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
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REMARKS:

No. Date
 Machine. Reel.
 Turns Cor. + Depth
 Shot or lead
 Bottom
 Bottom temperature
 No. of thermometer Cor.
 Corrected temperature
 Air Surface Drift
 Trawl or dredge

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

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REMARKS:

No. *Date*

Machine. *Reel.*

Turns *Cor. +* *Depth*

Shot or lead

Bottom

Bottom temperature

No. of thermometer *Cor.*

Corrected temperature

Air *Surface* *Drift*

Trawl or dredge

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

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REMARKS:

No.

Date

Machine.

Reel.

Turns

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Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

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

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
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REMARKS:

No. Date

Machine. Recl.

Turns Cor. + Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
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SERIAL TEMPERATURES.

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REMARKS:

No. _____ Date _____

Machine. Reel.

Turns Cor. + Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
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SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
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REMARKS:

No. _____ Date _____

Machine. Reel.

Turns Cor. + Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
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SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
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REMARKS:

No. *Date*
Machine. *Reel.*
Turns *Cor. +* *Depth*
Shot or lead
Bottom
Bottom temperature
No. of thermometer *Cor.*
Corrected temperature
Air *Surface* *Drift*
Trawl or dredge

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

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
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REMARKS:

No. *Date*
Machine. *Reel.*
Turns *Cor. +* *Depth*
Shot or lead
Bottom
Bottom temperature
No. of thermometer *Cor.*
Corrected temperature
Air *Surface* *Drift*
Trawl or dredge

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

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REMARKS:

No. *Date*

Machine. *Reel.*

Turns *Cor. +* *Depth*

Shot or lead

Bottom

Bottom temperature

No. of thermometer *Cor.*

Corrected temperature

Air *Surface* *Drift*

Trawl or dredge

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

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
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REMARKS:

No. _____ *Date* _____
Machine. _____ *Reel.* _____
Turns _____ *Cor. +* _____ *Depth* _____
Shot or lead _____
Bottom _____
Bottom temperature _____
No. of thermometer _____ *Cor.* _____
Corrected temperature _____
Air _____ *Surface* _____ *Drift* _____
Trawl or dredge _____

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

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
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REMARKS:

No. _____ Date _____

Machine. _____ Reel. _____

Turns _____ Cor. + _____ Depth _____

Shot or lead _____

Bottom _____

Bottom temperature _____

No. of thermometer _____ Cor. _____

Corrected temperature _____

Air _____ Surface _____ Drift _____

Trawl or dredge _____

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
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SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
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REMARKS:

No. Date

Machine. . . . Reel.

Turns Cor. + Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
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SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
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REMARKS:

No. _____ Date _____

Machine. Reel.

Turns _____ Cor. + _____ Depth _____

Shot or lead _____

Bottom _____

Bottom temperature _____

No. of thermometer _____ Cor. _____

Corrected temperature _____

Air _____ Surface _____ Drift _____

Trawl or dredge _____

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