

AA<sup>o</sup> 70 - AA<sup>o</sup> 119.  
27<sup>th</sup> Sept. - 18<sup>th</sup> Oct.  
1899.  
Hy<sup>o</sup> 3840 - Hy<sup>o</sup> 3888.  
D<sup>o</sup> 3687.



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:

Pat Log 31.8

No. ~~44~~ #70. Date 29 Sept 1991

Sigsbee Machine. #1 Reel. Built up.  
Turns 1486 Cor. + 99 Depth 1585 fms.

Shot or lead

Bottom *Ultramic Mud*

Bottom temperature

No. of thermometer } none Cor.

Corrected temperature

Air 84 Surface 80 ✓ Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10-4.10	11-07.40	0		
4.50	06.20	100		
5.35	05.05	200		
6.20	03.50	300		
7.10	02.30	400		
8 =	11-01.05	500		
8.50	59.35	600		
9.45	58 =	700		
10.25	56.25	800		
11.45	54.50	900		
12.45	53.10	1000		
13.45	51.40	1100		
14.45	50 =	1200		
15.55	48.15	1300		
17 =	46.15	1400		
10/18.05	10-44.30	1486		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

17° 21' S.

149°

15' 5"

OK  
1/10/5

3600	153
1486	54
2114	99
	1486
	1585

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	new belt			
900				
1000				

REMARKS

Wire four at 1486 - Heaved in and lowered several times.

Shot failed to drop.

P. 219 44

No. *71* Date *27<sup>th</sup> Sep 1899.*  
*Sigsbee* Machine. # *4* Reel. *Rubiet* type.  
 Turns *719* Cor. + *56* Depth *775* fms.  
 Shot or Lead *35* #  
 Bottom *Gr. M'conic Sand, Magnesian*  
 Bottom temperature }  
 No. of thermometer } *None.* Cor.  
 Corrected temperature }  
 Air *83* Surface *80* ✓ Drift  
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>12. 34.15</i>	<i>12. 49.00</i>	0		
<i>35.00</i>	<i>46.50</i>	100		
<i>35.50</i>	<i>47.50</i>	200		
<i>36.45</i>	<i>46.50</i>	300		
<i>37.40</i>	<i>46.00</i>	400		
<i>38.40</i>	<i>45.00</i>	500		
<i>39.40</i>	<i>44.00</i>	600		
<i>41.00</i>	<i>43.00</i>	700		
<i>17. 41.30</i>	<i>17. 42.40</i>	<i>719</i> <del>800</del>		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

17° 25.3' S		2500	149° 28' W
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
3600	153	3400	
719	97	3500	
288	0.6	3600	
	719	3700	
	775	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. 72 Date 27<sup>th</sup> Feb 1897  
 Machine #1 Reel Built up  
 Turns Cor. + 60 Depth 867  
 Shot or lead 35 #  
 Bottom rd sand mixed with  
 Bottom temperature } Coral sand.  
 No. of thermometer } none. Cor.  
 Corrected temperature }  
 Air 75 Surface 79 Drift  
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1.32.40	1.57.00	0		
33.40	56.00	100		
34.40	55.00	200		
35.40	54.00	300		
36.40	53.00	400		
37.50	52.00	500		
39.00	51.00	600		
40.30	50.00	700		
41.50	49.00	800		
1.42.00	48.30	867		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



-17° 26.5' S		2500	149° 32.47 W
OK		2600	
402		2700	
2		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
3600	753	3400	
807	93	3500	
2793	60	3600	
	807	3700	
	867	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. *73774* Date *5<sup>th</sup> Oct 99*  
 Machine. *1* Reel. *Bull's eye*  
 Turns *750* Cor. + *57* Depth *807*  
 Shot or lead *35 pounds*  
 Bottom *Fine Vd. sand, mud.*  
 Bottom temperature \_\_\_\_\_  
 No. of thermometer *none* Cor. \_\_\_\_\_  
 Corrected temperature \_\_\_\_\_  
 Air *74* Surface *79* Drift \_\_\_\_\_  
 Trawl or dredge *8 ft. Beam Trawl #74*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>6.53.30</i>	<i>7.11.20</i>	0	<i>7.53.35</i>	<i>04.20</i>
<i>54.45</i>	<i>10.20</i>	100	<i>37.45</i>	<i>10.00.15</i>
<i>55.40</i>	<i>09.25</i>	200	<i>41.50</i>	<i>56 =</i>
<i>56.40</i>	<i>08.40</i>	300	<i>45.35</i>	<i>50.40</i>
<i>57.40</i>	<i>08.40</i>	400	<i>49.45</i>	<i>46 =</i>
<i>58.40</i>	<i>06.40</i>	500	<i>53.25</i>	<i>41.30</i>
<i>59.50</i>	<i>05.45</i>	600	<i>56.40</i>	<i>35.50</i>
<i>7.01.25</i>	<i>04.30</i>	700	<i>8-00.00</i>	<i>26.30</i>
<i>02.00</i>	<i>7.03.50</i>	<i>750</i>	<i>03.05</i>	<i>16.30</i>
		800	<i>07 =</i>	<i>9.07.45</i>
		900	<i>09.50</i>	<i>57.10</i>
		1000	<i>12.20</i>	<i>47.45</i>
		1100	<i>14.30</i>	<i>8-30 =</i>
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

HCS  
5

17° 27'  
17° 28.4' South

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

149° 32' 3"  
149° 34' 1"

3600	3600	153
3700	750	96
3800	<u>2850</u>	<u>57</u>
		750
		<u>807</u>

SERIAL TEMPERATURES.

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

From station 73, drifted to about 100° of #72, where make haul of haul, & called it station #74.

Depth, taken from abas. appears 725. Bottom fine S. M. M.

REMARKS:

Surface Net over at 8.45 am.  
" " in at 8.55 "

Drop rope stretched 10 fms.

Pat. 29, 2, 8

No. *N. N. 75* Date *5<sup>th</sup> Oct. 99*

Machine. *7* Reel. *W. M. K. 60*

Turns *1493* Cor. + *99* Depth *1592 fms.*

Shot or lead *32-#9*

Bottom *100. gy. Vol. mud, mixed, G. S.*

Bottom temperature } *None.* Cor.

No. of thermometer } *None.* Cor.

Corrected temperature } *None.* Cor.

Air *80* Surface *80* ✓ Drift *—*

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>3.09.20</i>	<i>3.46.10</i>	0		
<i>09.11</i>	<i>45.45</i>	100		
<i>10.20</i>	<i>44.55</i>	200		
<i>11.20</i>	<i>43.55</i>	300		
<i>12.30</i>	<i>42.55</i>	400		
<i>13.50</i>	<i>41.55</i>	500		
<i>15.00</i>	<i>40.50</i>	600		
<i>16.20</i>	<i>40.00</i>	700		
<i>17.50</i>	<i>39.00</i>	800		
<i>19.40</i>	<i>38.00</i>	900		
<i>21.20</i>	<i>37.00</i>	1000		
<i>23.00</i>	<i>36.55</i>	1100		
<i>24.40</i>	<i>34.50</i>	1200		
<i>26.20</i>	<i>33.40</i>	1300		
<i>28.10</i>	<i>32.35</i>	1400		
<i>3.27.40</i>	<i>3.31.15</i>	<i>1493</i>		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

16:57' S.	2500	149° 29' W.
OK	2600	
408	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
3600 153	3400	
1493 54	3500	
2107 00	3600	
1493	3700	
1592	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NÖ. OF THER.	COE.	CÖR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

7117  
 007  
 Sketch

Date 5 Oct 99

Machine. Reel.

Turns Cor. + Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge Intermediate Open

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	6.57.15	32 = 5-27
		100	7.01.05	58.00
		200	04.40	53.00
		300	09.40	48.35
		400	15.10	44.00
		500	19.25	39.25
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



*Dutch*

Pat Log 74.1

No. *2144* Date *6 Oct 99*

Machine # *1* Reel *Built up*

Turns *2144* Cor. + *125* Depth *2269 fms*

Shot or lead *60 lb*

Bottom *Lt. Br. Volcanic Mud.*

Bottom temperature *35°*

No. of thermometer *92449* Cor.

Corrected temperature

Air *80* Surface *80* ✓ Drift

Trawl or dredge

*7 AM*

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>6.20</i>	<i>56.05</i>	<i>0</i>		
<i>7.30</i>	<i>55 =</i>	<i>100</i>		
<i>8.20</i>	<i>54 =</i>	<i>200</i>		
<i>9.05</i>	<i>53.10</i>	<i>300</i>		
<i>9.55</i>	<i>52.15</i>	<i>400</i>		
<i>10.50</i>	<i>51.20</i>	<i>500</i>		
<i>11.40</i>	<i>50.20</i>	<i>600</i>		
<i>12.35</i>	<i>49.15</i>	<i>700</i>		
<i>13.35</i>	<i>48.15</i>	<i>800</i>		
<i>14.30</i>	<i>47.10</i>	<i>900</i>		
<i>15.30</i>	<i>46.10</i>	<i>1000</i>		
<i>16.35</i>	<i>45.10</i>	<i>1100</i>		
<i>17.35</i>	<i>44 =</i>	<i>1200</i>		
<i>18.40</i>	<i>42.50</i>	<i>1300</i>		
<i>19.45</i>	<i>41.40</i>	<i>1400</i>		
<i>20.55</i>	<i>40.30</i>	<i>1500</i>		
<i>22.05</i>	<i>39.15</i>	<i>1600</i>		
<i>23.15</i>	<i>37.55</i>	<i>1700</i>		
<i>24.30</i>	<i>36.35</i>	<i>1800</i>		
<i>25.45</i>	<i>35.05</i>	<i>1900</i>		
<i>27 =</i>	<i>33.40</i>	<i>2000</i>		
<i>28.20</i>	<i>32.10</i>	<i>2100</i>		
<i>29.10</i>	<i>31.20</i>	<i>2144</i>		
		<i>2200</i>		
		<i>2300</i>		
		<i>2400</i>		



15° 56' <sup>3</sup> / <sub>10</sub> South	2500	147° 42' <sup>4</sup> / <sub>10</sub> W
612	2600	
H. (S)	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	3600
	3700	2144
	3800	1456
	3900	
	4000	

153  
 28  
 ---  
 125  
 2144  
 ---  
 2269

SERIAL TEMPERATURES.

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

REMARKS:

Pat Log 4.

No. *117* *117* Date *7 Oct 99*  
*Sigsbee* Machine. # *41* Reel. *Brant up*  
 Turns *1235* Cor. + *86* Depth *1321 fms*  
 Shot or lead *60 #*  
 Bottom *Glob. gy. sp. particles*  
 Bottom temperature *36.0*  
 No. of thermometer *92412* Cor.  
 Corrected temperature  
 Air *78* Surface *78* Drift  
 Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
<i>12.24.15</i>	<i>12.50.20</i>	0		
<i>25.00</i>	<i>49.20</i>	100		
<i>25.40</i>	<i>48.20</i>	200		
<i>26.30</i>	<i>47.20</i>	300		
<i>27.20</i>	<i>46.20</i>	400		
<i>28.15</i>	<i>45.20</i>	500		
<i>29.10</i>	<i>44.15</i>	600		
<i>30.05</i>	<i>43.10</i>	700		
<i>31.10</i>	<i>42.10</i>	800		
<i>32.10</i>	<i>41.50</i>	900		
<i>33.10</i>	<i>40.50</i>	1000		
<i>34.20</i>	<i>39.30</i>	1100		
<i>35.30</i>	<i>38.00</i>	1200		
<i>12.35.55</i>	<i>12.37.30</i>	<i>1235</i>		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

16° 03' South

147° 11' W

OK  
STATION  
2

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

3600  
1235  
2365

15.3  
67  
86  
12.5  
1321

SERIAL TEMPERATURES.

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

REMARKS:

Lat Long 37.1

No. *A 78* Date *7 Oct 99*Machine. *Sigsbee* Reel. *13mlt sup*Turns *565* Cor. + *44* Depth *609*Shot or lead *60 pounds*Bottom *Sh. gy.*Bottom temperature *39.0*No. of thermometer *90650* Cor.

Corrected temperature

Air *78* Surface *79* Drift

Trawl or dredge

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
<i>5.31.10</i>	<i>54505</i>	0		
<i>32.00</i>	<i>4400</i>	100		
<i>32.50</i>	<i>4385</i>	200		
<i>33.35</i>	<i>4200</i>	300		
<i>34.25</i>	<i>4050</i>	400		
<i>35.20</i>	<i>39.50</i>	500		
<i>36.00</i>	<i>39.20</i>	<i>565</i> 600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

16° 08' South

146°

42' W

OK  
H.C.H.

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

3600  
5.5  
3035

153  
10.4  
4.4  
56.5  
2.2

SERIAL TEMPERATURES.

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

REMARKS:

507.

*Sketch* Cat Log

No. *A 279* Date *7 Oct 99*

*Sigsbee* Machine # *1* Reel. *Built up.*

Turns *233* Cor. + *19* Depth *252 fms.*

Shot or lead *35 lb*

Bottom *Coral sand gy S*

Bottom temperature

No. of thermometer *Nine* Cor.

Corrected temperature

Air *77* Surface *79* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>9-29 =</i>	<i>36.05</i>	0		
<i>30.40</i>	<i>35 =</i>	100		
<i>32.20</i>	<i>33.55</i>	200		
<i>33 =</i>	<i>9-33.40</i>	<i>233</i>		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

16° 10' South	2500	146° 23' W
OK H.C.P.	2600	
	2700	to about 3/4 mile
	2800	west of village
	2900	on west side
	3000	of island etc.
	3100	
	3200	
	3300	
	3400	
	3500	
3600	3600	
233	3700	
3367	3800	
	3900	
	4000	
153		
134		
19		
233		
252		

SERIAL TEMPERATURES.

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

REMARKS:

*Handwritten scribble*

No. *A.P. 80* Date *7 Oct 99*  
 Machine #1 Reel. *Built Up*  
 Turns *455* Cor. + *36* Depth *491 fms*  
 Shot or lead *35 lb.*  
 Bottom *Coar sand Gy.*  
 Bottom temperature  
 No. of thermometer *None* Cor.  
 Corrected temperature  
 Air *79* Surface *80* ✓ Drift  
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>11-2.30</i>	<i>16.35</i>	0		
<i>3.50</i>	<i>15.15</i>	100		
<i>5.15</i>	<i>14. =</i>	200		
<i>6.50</i>	<i>13. =</i>	300		
<i>8.30</i>	<i>11.50</i>	400		
<i>9.30</i>	<i>11.10</i>	<i>455</i> 500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



16° 11' 30" South

146° 25' W.

OK  
H.C.H.

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

to about 1 <sup>3</sup>/<sub>4</sub>  
SW of mill edge  
on West shore  
of Van Island

3600  
455  
31 45

153  
117  
36  
455  
491

SERIAL TEMPERATURES.

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

REMARKS:

No. *AA 81* Date *7 Oct 1899*  
 Machine. *Reel* Reel. *Reel*  
 Turns *628* Cor. + *49* Depth *677 fms*  
 Shot or lead *35 #*  
 Bottom *Glob. oz. + Coral shell*  
 Bottom temperature *75.0*  
 No. of thermometer *9244* Cor.  
 Corrected temperature  
 Air *82* Surface *80* ✓ Drift  
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1.42.30</i>	<i>1.57.10</i>	0		
<i>43.10</i>	<i>56.30</i>	100		
<i>44.10</i>	<i>55.20</i>	200		
<i>45.00</i>	<i>54.10</i>	300		
<i>46.00</i>	<i>53.00</i>	400		
<i>47.00</i>	<i>52.00</i>	500		
<i>48.10</i>	<i>50.40</i>	600		
<i>1.48.40</i>	<i>1.50.00</i>	<i>628</i>		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

15° 54' 30" South	2500	146° 20' 26"
OK H.O. 2	2600	
	2700	
	2800	
	2900	
	3000	
	3100	2600 103
	3200	628 104
	3300	2972 49
	3400	628
	3500	677
3600		
3700		
3800		
3900		
4000		

P.S. on following bearings:  
 Niua S 30° E. distant 14 miles;  
 Taou N 72° E. dist 11 1/2;  
 Kankura N 54° W distant 10 miles.

SERIAL TEMPERATURES.

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

REMARKS:

P. Log. 83.5

No. *AA. 82* Date *7 Oct 1899*  
*Sigsbee* Machine, # *1* Reel. *Build up.*  
 Turns *627* Cor. + *48* Depth *675 fms*  
 Shot or Load, *30<sup>lb</sup>*  
 Bottom *Tropodog.*  
 Bottom temperature  
 No. of thermometer *9244* Cor.  
 Corrected temperature  
 Air *81* Surface *80* Drift  
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>2. 34.15</i>	<i>3. 49.18</i>	0		
<i>35-10</i>	<i>48.35</i>	100		
<i>35.55</i>	<i>47.25</i>	200		
<i>36.50</i>	<i>46.20</i>	300		
<i>37.45</i>	<i>45.10</i>	400		
<i>38.50</i>	<i>44.00</i>	500		
<i>40.00</i>	<i>42.50</i>	600		
<i>3 40.30</i>	<i>3 47.30</i>	<i>627</i>		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

15° 42' South	2500	146° 20' W	
OK H.C.S. Apataki Island North 6 miles; Raukura 56° W 9 miles; about 12 miles north of Ad. 81.	2600		
	2700		
	2800		
	2900		
	3000	3600	1053
	3100	627	105
	3200	2973	48
	3300		627
	3400		675
	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. *2283* Date *7 Oct 29*

Machine. *1 Reel* Built up

Turns *309* Cor. + *24* Depth *333*

Shot or lead *35 pound*

Bottom

Bottom temperature

No. of thermometer *None* Cor.

Corrected temperature

Air *80* Surface *80* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>12.25</i>	<i>16.22.05</i>	0		
<i>13.45</i>	<i>20.45</i>	100		
<i>15.00</i>	<i>19.35</i>	200		
<i>16.20</i>	<i>17.00</i>	300		
<i>16.30</i>	<i>16.50</i>	<i>309</i>		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

15° 34' South	2500	146° 28' W
HCA	2600	
	2700	
	2800	
About 1/2 mile	2900	
SW. of Papaka	3000	
Entrance to	3100	
Apataki.	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	3600
	3900	339
	4000	<u>5291</u>
		153
		<u>129</u>
		302
		<u>335</u>

SERIAL TEMPERATURES.

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

REMARKS:



507.

*Wetche* *Out Log =*

No. *P. A. 24* Date *8 Oct 99*

Machine. *Sigsbee* Reel. *Build up*

Turns *569* Cor. + *44* Depth *613 fms.*

Shot or lead *35 lb.*

Bottom *coral sand, etc.*

Bottom temperature *39.4°*

No. of thermometer *80451* Cor.

Corrected temperature

Air *79* Surface *80* Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>8-21-20</i>	<i>34.40</i>	0		
<i>22-20</i>	<i>33.40</i>	100		
<i>23-15</i>	<i>32.45</i>	200		
<i>24-20</i>	<i>31.50</i>	300		
<i>25-25</i>	<i>30.50</i>	400		
<i>26-45</i>	<i>29.45</i>	500		
<i>27-50</i>	<i>8-28.55</i>	<i>569</i> 600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



15° 35'	South	2500	146° 27' 33" S
		2600	So about 2 miles
		2700	S 50° W. of
		2800	Pakala station
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

OK  
 3600  
 569  
 ---  
 3031

153  
 109  
 ---  
 44  
 569  
 ---  
 613

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
15				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

*501*

No. *2255* Date *8 Oct '99*  
 Machine *#1* Reel *Built up*  
 Turns *481* Cor. + *39* Depth *520 fms.*  
 Shot or lead *35 lb.*  
 Bottom *Coar. sand*  
 Bottom temperature }  
 No. of thermometer } *7000* Cor.  
 Corrected temperature }  
 Air *81* Surface *80* Drift  
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>8.58.40</i>	<i>11.30</i>	0		
<i>59.40</i>	<i>10.10</i>	100		
<i>9.00.50</i>	<i>09.05</i>	200		
<i>02.10</i>	<i>08 =</i>	300		
<i>03.30</i>	<i>07.05</i>	400		
<i>05 -</i>	<i>9.06 =</i>	<i>481</i>		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

15° 34' 30" South	2500	146° 28' 20" W
OK 2009	2600	About 1 mile SSE of Palaka Is. I.
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
3600	3400	
48'	3500	
3119	3600	
103	3700	
114	3800	
39	3900	
481	4000	
520		

SERIAL TEMPERATURES.

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

REMARKS:

*Sigsbee*

No. *A. A. 86* Date *8 Oct. 1899*  
*Sigsbee* Machine. *1* Reel. *Built up*  
 Turns *608* Cor. + *46* Depth *654 fms*  
 Shot or lead *35 lb*  
 Bottom *Gn Coral sand.*  
 Bottom temperature *38.5*  
 No. of thermometer *69479* Cor.  
 Corrected temperature  
 Air *80* Surface *80* Drift  
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1.49.20</i>	<i>05.20</i>	0		
<i>50.70</i>	<i>04.10</i>	100		
<i>51.30</i>	<i>03.00</i>	200		
<i>53.00</i>	<i>02.00</i>	300		
<i>54.15</i>	<i>01.00</i>	400		
<i>55.45</i>	<i>2.00.00</i>	500		
<i>57.15</i>	<i>59.00</i>	600		
<i>1-57.30</i>	<i>58.00</i>	<i>608</i>		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

15° 18' 10" South

91  
H. O. S.  
5

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

146° 23' 11" W.

About 1 mile off  
NW corner of  
Apataki Is.

3600  
608

103  
107  
416  
608  
654

7992

SERIAL TEMPERATURES.

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

REMARKS:

No. *P. A. 89* Date *8<sup>th</sup> Oct 99*  
 Machine. *#1* Reel. *1200 ft. line*  
 Turns *1275* Cor. + *89* Depth *1364 fms*  
 Shot or lead *35 pounds*  
 Bottom *cr Coral sand*  
 Bottom temperature *73°*  
 No. of thermometer *60490* Cor.  
 Corrected temperature  
 Air *81* Surface *80* Drift

Trawl or dredge

## SOUNDING WIRE.

## DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
<i>4.21.10</i>	<i>5.15.00</i>	0		
<i>42.15</i>	<i>11.55</i>	100		
<i>43.15</i>	<i>11.00</i>	200		
<i>44.10</i>	<i>10.00</i>	300		
<i>45.10</i>	<i>09.00</i>	400		
<i>46.25</i>	<i>07.55</i>	500		
<i>47.30</i>	<i>06.55</i>	600		
<i>48.45</i>	<i>05.45</i>	700		
<i>50.10</i>	<i>04.35</i>	800		
<i>51.30</i>	<i>03.35</i>	900		
<i>53.00</i>	<i>02.30</i>	1000		
<i>54.45</i>	<i>01.20</i>	1100		
<i>56.20</i>	<i>5.00.15</i>	1200		
<i>57.30</i>	<i>4.59.20</i>	<i>1275</i>		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

15° 15' South OK HOS K	2500	146° 07' W.	About 7 miles N.E. (true) of N.E. Corner of Aparatiki		
	2600				
	2700				
	2800				
	2900				
	3000				
	3100				
	3200				
	3300				
	3400				
	3500				
	3600				
	3700			3600	153
	3800			1275	64
3900	2020	29			
4000		1275			
		1364			

SERIAL TEMPERATURES.

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

REMARKS:

*Whitche* Cat Log

No. *A. S. 58* Date *9 Oct '99*

Machine #1 Reel Built up

Turns *333* Cor. + *27* Depth *360 fms*

Shot or Lead *35 lb.*

Bottom *Co. Co. S.*

Bottom temperature } *none* Cor.

No. of thermometer } *none* Cor.

Corrected temperature } *none* Cor.

Air *80* Surface *80* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>6-03 =</i>	<i>11.25</i>	0		
<i>04.35</i>	<i>10.30</i>	100		
<i>05.10</i>	<i>09.30</i>	200		
<i>06.25</i>	<i>08.25</i>	300		
<i>06.50</i>	<i>08.05</i>	<i>333</i>		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



7/8 mile West  
 of Filled Daland  
 (center)

511  
 0409

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

~~3600~~  
~~339~~  
 3267

~~159~~  
~~134~~  
~~19~~  
~~383~~  
 352

153  
 126  
 ---  
 279  
 333  
 ---  
 360

SERIAL TEMPERATURES.

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

REMARKS:

*S. L. Fog 13.2*  
 No. *A.A. 89* Date *14 Oct 1899*  
*Agassiz* Machine. *#7* Reel. *Built up*  
 Turns *55-6* Cor. + *43* Depth *599 fms*  
 Shot or lead *35-lb*  
 Bottom *Coral sand, Gr.*

Bottom temperature

No. of thermometer *Roux.* Cor.

Corrected temperature

Air *82* Surface *80* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>8.19.50</i>	<i>8.34.35</i>	0		
<i>21.05</i>	<i>33.30</i>	100		
<i>22.15</i>	<i>32.25</i>	200		
<i>23.25</i>	<i>31.35</i>	300		
<i>25.00</i>	<i>30.30</i>	400		
<i>26.30</i>	<i>29.30</i>	500		
<i>8 27.20</i>	<i>9.28.40</i>	<i>556</i>		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

16° 03' 30" South, 145° 43' W.

	2500	About 1 mile N 20° W. (true) from South end of Baker Id.
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
3900		
4000		

3600	153
556	110
3044	43
	556
	599

SERIAL TEMPERATURES.

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

REMARKS:

No. *90* Date *14<sup>th</sup> Oct 1911*  
 Machine. *#7* Reel. *Reichert #16*  
 Turns *618* Cor. + *48* Depth *666* *1710*  
 Shot or lead *35 lb*  
 Bottom *Plat. gy. Vol. particles*  
 Bottom temperature *27.6*  
 No. of thermometer *5490* Cor.  
 Corrected temperature  
 Air *81* Surface *80* Drift  
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>9.29.20</i>	<i>7.42.35</i>	0		
<i>30.15</i>	<i>41.35</i>	100		
<i>31.05</i>	<i>40.30</i>	200		
<i>32.00</i>	<i>39.40</i>	300		
<i>33.00</i>	<i>38.45</i>	400		
<i>34.00</i>	<i>37.55</i>	500		
<i>35.45</i>	<i>36.55</i>	600		
<i>9.35.00</i>	<i>9.36.30</i>	<i>618</i>		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

16° 02' South 145° 43' 30" W.

OK  
Heads  
→

2500	about 5 1/2 m
2600	N 35° W. (true)
2700	from North
2800	entrance to
2900	Falkland Id.
3000	
3100	
3200	
3300	
3400	
3500	
3600	
3700	
3800	
3900	
4000	

3100 117.5  
 618 125  
 -----  
 2082 243  
 618  
 -----  
 666

SERIAL TEMPERATURES.

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

REMARKS:

5 am  
 No. *1177* Date *14 Oct 99*  
*Electric* Machine. Reel. *Port*  
 Turns *559* Cor. + *43* Depth *602 fms.*  
 Shot or lead *35#*  
 Bottom *loam sand, shaly - g.*  
 Bottom temperature *78°*  
 No. of thermometer *2448* Cor.  
 Corrected temperature  
 Air *87* Surface *80* Drift  
 Trawl or dredge *Intermediate Open*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>3.32 =</i>	<i>46.30</i>	0	<i>3.52.50</i>	<i>51.40</i>
<i>33.10</i>	<i>43.55</i>	100	<i>58.20</i>	<i>47.10</i>
<i>34. -</i>	<i>42.50</i>	200	<i>4-02.40</i>	<i>42.30</i>
<i>34.55</i>	<i>41.55</i>	300	<i>06.10</i>	<i>38.20</i>
<i>35. -</i>	<i>40.55</i>	400	<i>09 =</i>	<i>35 =</i>
<i>37.10</i>	<i>39.50</i>	500	<i>11.45</i>	<i>4-31.15</i>
<i>38. =</i>	<i>3.39.10</i>	<i>559</i>		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

16° 38' South 145° 31' W.

Oil  
No. 2

2500	about 2 miles
2600	SW of SW cor
2700	of Takarava
2800	
2900	
3000	
3100	
3200	
3300	
3400	
3500	
3600	3600 153
3700	559 110
3800	3041 43
3900	559
4000	572

SERIAL TEMPERATURES.

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

REMARKS:

Surface net no. 356  
" " no. 416

*Watch* Cat Log 70.2

No. *A. A. 92* Date *14 Oct 99*  
*Sigsbee* Machine. #1 Reel. *Built up*  
 Turns *780* Cor. + *59* Depth *839 fms.*  
 Shot or lead *60 lbs*  
 Bottom *fm. Co. S. mang.*  
 Bottom temperature *76°*  
 No. of thermometer *93448* Cor.  
 Corrected temperature  
 Air *80* Surface *80* Drift  
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>6-04.50</i>	<i>20.45</i>	0		
<i>05.25</i>	<i>19.30</i>	100		
<i>06.05</i>	<i>18.35</i>	200		
<i>06.50</i>	<i>17.30</i>	300		
<i>07.35</i>	<i>16.30</i>	400		
<i>08.25</i>	<i>15.30</i>	500		
<i>09.15</i>	<i>14.25</i>	600		
<i>10.10</i>	<i>13.15</i>	700		
<i>10.50</i>	<i>6-12.10</i>	<i>780</i>		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



16° 44' South, 145° 25' W.

~~Oil  
HOB~~  
2

3600  
780  
4380

153  
94  
59  
780  
839

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. *9993* Date *14 Oct 99*  
 Machine. Reel. *Butter up*  
 Turns *215* Cor. + *85* Depth *300 m*  
 Shot or lead *60 #*  
 Bottom *lt. yf. Glob. Gy.*  
 Bottom temperature *35.7*  
 No. of thermometer *92449* Cor.  
 Corrected temperature  
 Air *79* Surface *80* Drift  
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>7:44.00</i>	<i>10.10</i>	0		
<i>44.50</i>	<i>09.10</i>	100		
<i>45.50</i>	<i>08.10</i>	200		
<i>46.30</i>	<i>07.10</i>	300		
<i>47.30</i>	<i>06.15</i>	400		
<i>48.00</i>	<i>05.15</i>	500		
<i>49.00</i>	<i>04.10</i>	600		
<i>50.00</i>	<i>03.05</i>	700		
<i>51.05</i>	<i>02.00</i>	800		
<i>52.10</i>	<i>01.00</i>	900		
<i>53.15</i>	<i>59.50</i>	1000		
<i>54.20</i>	<i>58.50</i>	1100		
<i>55.30</i>	<i>57.00</i>	1200		
<i>7:55.50</i>	<i>7.56.50</i>	<i>1215</i>		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

16° 51' South, 145° 42' W.

<p><i>Hea</i></p> <hr/> <p>3600</p> <p>1715</p> <hr/> <p>2385</p>	<p>1050</p> <p>68</p> <hr/> <p>85</p> <p>1715</p> <hr/> <p>1200</p>	2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
3900			
4000			

SERIAL TEMPERATURES.

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

REMARKS:

S. Log 90.3

No. *Ad. 94* Date *14 Oct 99*  
 Machine *#1* Reel *Bulk*

Turns *434* Cor. + *97* Depth *1531 fms*  
 Shot or lead *60 #*

Bottom *Fine Vol. Mud. Sd.*  
 Bottom temperature *73.0*

No. of thermometer *80478* Cor.  
 Corrected temperature

Air *79* Surface *79* Drift  
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>9.34.30</i>	<i>10.15.40</i>	0		
<i>35.40</i>	<i>14.25</i>	100		
<i>36.20</i>	<i>13.20</i>	200		
<i>37.25</i>	<i>12.20</i>	300		
<i>38.50</i>	<i>11.15</i>	400		
<i>40.30</i>	<i>10.10</i>	500		
<i>42.00</i>	<i>09.10</i>	600		
<i>43.40</i>	<i>08.00</i>	700		
<i>45.30</i>	<i>06.45</i>	800		
<i>47.30</i>	<i>05.30</i>	900		
<i>49.10</i>	<i>03.45</i>	1000		
<i>50.20</i>	<i>02.40</i>	1100		
<i>51.20</i>	<i>10.00.00</i>	1200		
<i>52.30</i>	<i>59.30</i>	1300		
<i>53.40</i>	<i>58.30</i>	1400		
<i>9.54.00</i>	<i>9.57.50</i>	<i>1434</i>		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

16° 57' South, 145° 49' W

91C  
H. O. G.  
2

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

23600 113  
1434 56  
2166 97  
1434  
1531

SERIAL TEMPERATURES.

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

REMARKS:

Pat Log 5.3

No. *A 295* Date *15 Oct 99*Machine. *#1* Reel. *Reel up*Turns *1007* Cor. + *72* Depth *1079 fms.*Shot or lead *35#*Bottom *Sol. Oz. lt. yf.*Bottom temperature *36.1°*No. of thermometer *92449* Cor.

Corrected temperature

Air *78* Surface *78* Drift

Trawl or dredge

## SOUNDING WIRE,

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

<i>1.39.30</i>	<i>2.02.45</i>	0		
<i>40.20</i>	<i>01.15</i>	100		
<i>41.00</i>	<i>00.05</i>	200		
<i>41.45</i>	<i>58.55</i>	300		
<i>42.35</i>	<i>57.35</i>	400		
<i>43.25</i>	<i>56.25</i>	500		
<i>44.20</i>	<i>55.15</i>	600		
<i>45.10</i>	<i>54.50</i>	700		
<i>46.00</i>	<i>53.35</i>	800		
<i>47.00</i>	<i>52.30</i>	900		
<i>48.00</i>	<i>1.50.45</i>	1000		
<i>48.05</i>	<i>1.50.40</i>	<i>1007</i>		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

17° 09' South 146° 00' W.

512  
4.00  
1.00  
1.00

	2500		
	2600		
	2700		
	2800		
	2900		
	3000		
	3100		
	3200		
	3300		
	3400		
	3500		
	3600		
	3700	2600	1500
	3800	1500	21
	3900	1500	15
	4000	1500	1050
			1099

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
0				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:-

*Smith* *Lat. Long. 20.3*  
 No. *A. R. 96* Date *15 Oct-99*  
*Sigsbee* Machine. *#1* Reel. *Built up*  
 Turns *488* Cor. + *39* Depth *527 fms.*  
 Shot or lead *60*  
 Bottom *Coar. Cor. with Mang.*  
 Bottom temperature *39.7*  
 No. of thermometer *92449* Cor.  
 Corrected temperature  
 Air *79* Surface *77* Drift  
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>5-</i> 30.15	45.25	0		
33.50	44.05	100		
35.30	42.55	200		
36.25	41.40	300		
37.12	40.30	400		
38 =	5.39.10	488		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



17° 14' 30" South 143° 49' 24"

62  
48  
2

3600  
755  
3112

153  
114  
39  
488  
527

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

SERIAL TEMPERATURES.

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

REMARKS:

*Sketch*

*Cat Log. 26.3*

No. *A. A. 97* Date *15 Oct 99.*

*Sigsbee* Machine. #1 Reel. Built up

Turns *747* Cor. + *57* Depth *804 fms.*

Shot or lead *35 lb.*

Bottom *Art. Mang.*

Bottom temperature

No. of thermometer } *none* Cor.

Corrected temperature

Air *80* Surface *79* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>6-33.15</i>	<i>53.10</i>	0		
<i>34.10</i>	<i>51.35</i>	100		
<i>35.15</i>	<i>50.33</i>	200		
<i>36.25</i>	<i>49.30</i>	300		
<i>37.45</i>	<i>48.30</i>	400		
<i>39.05</i>	<i>47.30</i>	500		
<i>40.25</i>	<i>46.25</i>	600		
<i>41.50</i>	<i>45.20</i>	700		
<i>42.40</i>	<i>44.50</i>	<i>747</i>		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

17° 17' South 145° 45' 30" W

OK  
105  
2

3600  
747  
2853

153  
96  
57  
747  
804

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.
15				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. *A. A. 98* Date *15 Oct 99*  
 System *Sigsbee* Machine. *1* Reel. *Built Up*  
 Turns *596* Cor. + *42* Depth *642 fms.*  
 Shot or lead *35 lb.*  
 Bottom *ster. gy. M. nodules*  
 Bottom temperature }  
 No. of thermometer } *none* Cor.  
 Corrected temperature }  
 Air *50* Surface *79* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>7-37.40</i>	<i>51.20</i>	0		
<i>38.30</i>	<i>50.25</i>	100		
<i>39.20</i>	<i>49 =</i>	200		
<i>40.15</i>	<i>48 =</i>	300		
<i>41.15</i>	<i>46.55</i>	400		
<i>42.20</i>	<i>45.50</i>	500		
<i>43.20</i>	<i>7-44.45</i>	<i>596</i> 600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

17° 21' South 145° 41' W.

OK H.C.S. →	$\begin{array}{r} 3600 \\ 596 \\ \hline 3004 \end{array}$	$\begin{array}{r} 153 \\ 107 \\ \hline 46 \\ 596 \\ \hline 642 \end{array}$	2500	<del>About 1 3/4</del>	<del>to m</del>
			2600	<del>off the</del>	<del>from</del>
			2700	<del>face of</del>	<del>area</del>
			2800	<del>of</del>	<del>area</del>
			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:

307  
Stacy

40.1

No. *A. A. 99* Date *15<sup>th</sup> Oct. 99*  
Machine. *H* Reel. *Went up*  
Turns *526* Cor. + *42* Depth *568 fms.*

Shot or lead *35#*  
Bottom *Cr, Coral sand + 7/8 green shaly*  
Bottom temperature *39°*

No. of thermometer *92449* Cor.

Corrected temperature

Air *81* Surface *79* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>8.49.30</i>	<i>9.03.20</i>	0		
<i>50.75</i>	<i>02.10</i>	100		
<i>51.35</i>	<i>01.10</i>	200		
<i>52.40</i>	<i>09.05</i>	300		
<i>53.50</i>	<i>08.00</i>	400		
<i>55.05</i>	<i>06.40</i>	500		
<i>8.55.30</i>	<i>8.56.15</i>	<i>526</i>		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

17° 22' South - 145° 37' W.

OK  
3400  
→

2500	about 1 3/10 m off the NW face of Ankaa
2600	
2700	
2800	
2900	
3000	
3100	
3200	
3300	
3400	
3500	
3600	
3700	
3800	
3900	
4000	

2600	113
526	111
3074	122
	1526
	2168

SERIAL TEMPERATURES.

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

REMARKS:

*11/15/99*

No. *AA.100* Date *15<sup>th</sup> Oct 99*

Sigsbee Machine. #*17* Reel *Build up*

Turns *209* Cor. + *16* Depth *225 fms*

Shot or lead *35#*

Bottom *Coar. sand*

Bottom temperature

No. of thermometer *1076* Cor.

Corrected temperature

Air *85* Surface *80* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>11.28.15</i>	<i>11.34.30</i>	0		
<i>29.35</i>	<i>33.15</i>	100		
<i>30.45</i>	<i>32.00</i>	200		
<i>11.31.00</i>	<i>11.31.30</i>	<i>209</i>		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



17° 20' South

145° 31' W

OK  
~~4000~~  
~~2~~

1/4 m North  
 of Ende  
 entrance.

3600	113
209	137
<hr/>	<hr/>
3391	116
	209
	<hr/>
	225

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				
150				
200				
250				
300				
350				
400				
450				
500				
550				
600				
650				
700				
750				
800				
850				
900				
950				
1000				

REMARKS:

50.

Cont. Log 47.1

No. *101* Date *15 Sept 1900*

Machine. Reel.

Turns *1036* Cor. + *74* Depth *1110 fms*

Shot or lead *35 lb*

Bottom *Clay, silt, fine sand*

Bottom temperature *36°*

No. of thermometer *72229* Cor.

Corrected temperature

Air *84* Surface *80* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>12.48.</i>	<i>1210</i>	0		
<i>49</i>	<i>11.55</i>	100		
<i>49.55</i>	<i>11.55</i>	200		
<i>50.55</i>	<i>10.05</i>	300		
<i>52.30</i>	<i>09.05</i>	400		
<i>53.15</i>	<i>08.00</i>	500		
<i>54.30</i>	<i>06.50</i>	600		
<i>55.50</i>	<i>05.40</i>	700		
<i>57.10</i>	<i>04.30</i>	800		
<i>58.35</i>	<i>03.20</i>	900		
<i>1.00.00</i>	<i>02.10</i>	1000		
<i>1.00.35</i>	<i>1.01.40</i>	<i>1036</i>		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

17° 16' South

145° 27' W.

OK  
H.C.  
2

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

5 miles N50° E  
(true) of Area  
submarine

3600	153
1035	79
<u>2564</u>	<u>74</u>
	1536
	<u>1110</u>

SERIAL TEMPERATURES.

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

REMARKS:

m.

Pat. 551

No. 102 Date 15<sup>th</sup> Oct.

Machine. Reel.

Turns 1577 Cor. + 102 Depth 1679 fms

Shot or lead 60<sup>lb</sup>

Bottom Lt. gray soft g.

Bottom temperature 36<sup>°</sup>

No. of thermometer 80469 Cor.

Corrected temperature

Air 87 Surface 82 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
27.00	3.02.30	0		
27.55	01.20	100		
28.40	3.00.10	200		
29.25	59.00	300		
30.10	57.45	400		
31.05	56.40	500		
31.55	55.40	600		
32.50	54.30	700		
33.45	53.20	800		
34.45	52.10	900		
35.45	51.00	1000		
36.45	50.00	1100		
37.50	48.50	1200		
39.00	47.35	1300		
40.10	46.20	1400		
41.20	45.00	1500		
42.20	24.35	1577		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

17-10' South	2500	1450	19' 27.1
ON St. C. H. 2	2600		
	2700		
	2800		
	2900		
	3000		
	3100		
	3200		
	3300		
	3400		
	3500	3600	153
3600	1577	57	
3700	2023	102	
3800		1577	
3900		1679	
4000			

SERIAL TEMPERATURES.

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

REMARKS:

Sat Log 70.1

507

No. *103* Date *15 Oct 99*  
 Machine. *#1* Reel. *Smith's*  
 Turns *1629* Cor. + *104* Depth *1733 fms.*  
 Shot or lead *60*  
 Bottom *Slt. G.*  
 Bottom temperature *35.1*  
 No. of thermometer *92443* Cor.  
 Corrected temperature  
 Air *90* Surface *82* Drift  
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>4-52.05</i>	<i>28.45</i>	0		
<i>52.50</i>	<i>27.35</i>	100		
<i>53.35</i>	<i>26.30</i>	200		
<i>54.20</i>	<i>25.25</i>	300		
<i>55.10</i>	<i>24.25</i>	400		
<i>56 =</i>	<i>23.25</i>	500		
<i>56.50</i>	<i>22.25</i>	600		
<i>57.45</i>	<i>21.20</i>	700		
<i>58.40</i>	<i>20.10</i>	800		
<i>59.40</i>	<i>19.05</i>	900		
<i>5-00.40</i>	<i>18.05</i>	1000		
<i>01.40</i>	<i>17 =</i>	1100		
<i>02.50</i>	<i>16 =</i>	1200		
<i>05 =</i>	<i>14.50</i>	1300		
<i>06.10</i>	<i>13.35</i>	1400		
<i>07.20</i>	<i>12.15</i>	1500		
<i>08.35</i>	<i>10.35</i>	1600		
<i>09 =</i>	<i>5.10 =</i>	<i>1629</i> 1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

17° 03' South

145° 08' 30" W

OK  
~~5105~~  
 2

3600  
 1629  
 ---  
 1971

153  
 49  
 ---  
 104  
 1629  
 ---  
 1733

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:

Pat Log 80.1

No. *A. A. 104* Date *15 Oct 99*  
*Sigsbee* Machine, #1 Reel. Built *Apr.*  
 Turns *900* Cor. + *66* Depth *966 fms.*  
 Shot or lead *35 lb.*  
 Bottom *Sl. G. Mang. Coar.*  
 Bottom temperature *46.5*  
 No. of thermometer *80460* Cor.  
 Corrected temperature  
 Air *82* Surface *81* Drift  
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>6-42.50</i>	<i>05.25</i>	0		
<i>44.05</i>	<i>04.10</i>	100		
<i>45.10</i>	<i>03.05</i>	200		
<i>46.10</i>	<i>7-02 =</i>	300		
<i>47.07</i>	<i>59.50</i>	400		
<i>48.12</i>	<i>58.40</i>	500		
<i>49.18</i>	<i>57.35</i>	600		
<i>50.25</i>	<i>56.25</i>	700		
<i>51.35</i>	<i>55.10</i>	800		
<i>52.45</i>	<i>6-53.40</i>	900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



16° 55' South 145° 03' W

OK  
~~1000~~  
 2

3600  
 900  
 2700

153  
 87  
 66  
 900  
 966

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. *A. A. 105* Date *15 Oct 99*  
*Sigsbee* Machine. # *1* Reel. *Built Up*  
 Turns *608* Cor. + *H6* Depth *654 fms.*  
 Shot or lead *35 Lb*  
 Bottom *Coral Sand Mang.*  
 Bottom temperature *38.6*  
 No. of thermometer *92446* Cor.  
 Corrected temperature  
 Air *81* Surface *80* Drift  
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>7-46.30</i>	<i>01.50</i>	0		
<i>47.25</i>	<i>8.00.40</i>	100		
<i>48.25</i>	<i>59.35</i>	200		
<i>49.35</i>	<i>58.35</i>	300		
<i>50.55</i>	<i>57.30</i>	400		
<i>52.20</i>	<i>56.20</i>	500		
<i>53.45</i>	<i>55.05</i>	600		
<i>54.05</i>	<i>7-55</i>	608		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

16° 53' South 145° 00' W

OK  
H. K. S.

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

About 2 miles  
West of the  
South West  
Point of  
Jahara  
Is.

3600  
608  

---

2992

153  
107  

---

46  
608  

---

654

SERIAL TEMPERATURES.

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

REMARKS:

No. *106* Date *16 Oct 99*  
 Machine. *Reel* Reel. *Bunt up*  
 Turns *249* Cor. + *20* Depth *269 fms*  
 Shot or Lead *35#*  
 Bottom *Coarse Gr. Sand*  
 Bottom temperature }  
 No. of thermometer } *none* Cor.  
 Corrected temperature  
 Air *86* Surface *80* Drift

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>8.17.00</i>	<i>8.23.30</i>	0		
<i>18.10</i>	<i>24.30</i>	100		
<i>19.30</i>	<i>24.30</i>	200		
<i>9.20.11</i>	<i>9.21.00</i>	<i>249</i> <del>250</del>		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

16° 55' South, 144° 56' W.

3600 330 <hr/> 3307 30 <hr/> 349 39	113 123 <hr/> 30 349 39	2500	About 1/2 mile off shore, and about 3 miles SE. of the SW part of Tahanea Id.
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	

SERIAL TEMPERATURES.

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

REMARKS:

No. *107* Date *16 Oct 99*Machine. *#1* Reel. *Panel up*Turns *437* Cor. + *35* Depth *467 fms.*Shot or lead *35 #*Bottom *Coral sand White*Bottom temperature *74.0*No. of thermometer *8025* Cor.

Corrected temperature

Air *82* Surface *80* Drift

Trawl or dredge

## SOUNDING WIRE.

DOWN.

UP.

TURNS.

## DREDGE ROPE.

DOWN.

UP.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>6.22.30</i>	<i>34.45</i>	0		
<i>23.35</i>	<i>33.35</i>	100		
<i>34.40</i>	<i>32.25</i>	200		
<i>25.55</i>	<i>31.15</i>	300		
<i>27.20</i>	<i>30.00</i>	400		
<i>27.45</i>	<i>29.35</i>	<i>432</i>		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

No 24 South OIC H.C.H.	2500	143° 59' W
	2600	about 1 mile
	2700	NW of NW
	2800	subway to
	2900	Nakemo Id.
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	3600 153
	3700	432 118
	3800	3158 35
	3900	432
	4000	467

SERIAL TEMPERATURES.

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

REMARKS:

Sat. Log. 483

No. 108 Date 16 Oct 99

Machine. Reel. *Port up*  
Turns 796 Cor. + 60 Depth 856 fms

Shot or lead 35#  
Bottom *Period of Coral sand, etc.*  
Bottom temperature 42.0°

No. of thermometer 80496 Cor.

Corrected temperature

Air 81 Surface 80 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7.23.30	42.40	0		
24.35	41.35	100		
25.30	40.30	200		
26.30	39.30	300		
27.30	38.25	400		
28.30	37.20	500		
29.35	36.15	600		
30.50	35.10	700		
32.05	33.50	796		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



16° 20' South	2500	143° 55' W	
	2600	about 4 mile	
	2700	North of the	
	2800	NW end of	
	2900	Mattano Id.	
	3000		
	3100		
	3200		
	3300		
	3400		
	3500		
	3600	3600	153
	3700	796	93
	3800	2824	60
	3900		796
	4000		856

SERIAL TEMPERATURES.

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

REMARKS:

# Cat Log 58.4

No. *A. 109* Date *16 Oct 99*  
*Sigsbee* Machine. # *1* Reel. *Built up.*  
 Turns *920* Cor. + *67* Depth *987 fms*  
 Shot or ~~lead~~ *35 Lbs.*  
 Bottom *Glob. Ten. Vol. Sav.*  
 Bottom temperature *74.2°*  
 No. of thermometer *92742* Cor.  
 Corrected temperature  
 Air *80* Surface *80* Drift  
 Trawl or dredge

## SOUNDING WIRE.

## DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>9-22.15</i>	<i>.45 =</i>	0		
<i>23.05</i>	<i>43.50</i>	100		
<i>23.55</i>	<i>42.50</i>	200		
<i>24.50</i>	<i>41.40</i>	300		
<i>25.45</i>	<i>40.35</i>	400		
<i>26.45</i>	<i>39.30</i>	500		
<i>27.50</i>	<i>38.25</i>	600		
<i>28.55</i>	<i>37.15</i>	700		
<i>29.10</i>	<i>36 =</i>	800		
<i>30.20</i>	<i>34.35</i>	900		
<i>30.45</i>	<i>9-34.20</i>	<i>920</i>		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

16° 13' South

143° 48' W

OK  
 1000  
 2

3600  
 920  
 ---  
 2680

153  
 86  
 ---  
 67  
 920  
 ---  
 987

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.
75				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Shallow

P. Log 78.3 717"

No. A.C. 110 Date 16 Oct 99

Sep ber Machine #7 Reel. Quick

Turns 1011 Cor. + 73 Depth 1084 fm

Shot or lead 35#

Bottom Gob. oz of Yellow Gy

Bottom temperature 36.3

No. of thermometer 92449 Cor.

Corrected temperature

Air 80 Surface 80 Drift

Trawl or dredge

M.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11.55.50	12.18.55	0		
16.40	17.40	100		
17.30	16.35	200		
18.20	15.30	300		
19.30	14.30	400		
12.00.15	13.30	500		
01.10	12.20	600		
02.15	11.10	700		
03.25	09.55	800		
04.40	08.50	900		
05.55	07.20	1000		
12.06.20		1011		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

16° 03' South

143° 32' 20" W

OK  
10/27  
2

3600  
1011  
2589

153  
70  
73  
1011  
1084

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. *111* Date *17 Oct 99*  
*Shokey* Machine. *#1* Reel. *Built up*  
 Turns *1698* Cor. + *107* Depth *1805 fms*  
 Shot or lead *35#*  
 Bottom *Lo. oz. F. yellow gy*  
 Bottom temperature *35.2*  
 No. of thermometer *92449* Cor.  
 Corrected temperature  
 Air *79* Surface *80* Drift  
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>3.02.20</i>	<i>3.44.45</i>	0		
<i>03.20</i>	<i>43.15</i>	100		
<i>04.55</i>	<i>42.00</i>	200		
<i>05.10</i>	<i>41.00</i>	300		
<i>06.05</i>	<i>39.50</i>	400		
<i>07.10</i>	<i>38.50</i>	500		
<i>08.10</i>	<i>37.45</i>	600		
<i>09.20</i>	<i>36.35</i>	700		
<i>10.25</i>	<i>35.30</i>	800		
<i>11.30</i>	<i>34.30</i>	900		
<i>12.45</i>	<i>33.25</i>	1000		
<i>14.00</i>	<i>32.20</i>	1100		
<i>15.15</i>	<i>31.15</i>	1200		
<i>16.40</i>	<i>30.10</i>	1300		
<i>18.00</i>	<i>28.55</i>	1400		
<i>19.20</i>	<i>27.45</i>	1500		
<i>20.40</i>	<i>26.35</i>	1600		
<i>3.22.10</i>	<i>3.25.20</i>	<i>1698</i>		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

15° 53' South; 143° 26' W

*Handwritten notes:*  
 11  
 1.07  
 2

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

3600 103  
 1698 46  
 -----  
 1902 107  
 1698  
 -----  
 1801

SERIAL TEMPERATURES.

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

REMARKS:

Pat Log 133

No. *A 112* Date *17 Oct 99*

Machine. *#1* Reel. *Permit*

Turns *1470* Cor. + *98* Depth *1568 fms*

Shot or lead *60#*

Bottom *100 Mag. globulars*

Bottom temperature *35.4°*

No. of thermometer *92449* Cor.

Corrected temperature

Air *79* Surface *80* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>6 33 10</i>	<i>7. 04 15</i>	0		
<i>34 00</i>	<i>03 10</i>	100		
<i>34 45</i>	<i>02 10</i>	200		
<i>35 30</i>	<i>01 10</i>	300		
<i>36 10</i>	<i>7. 00 10</i>	400		
<i>37 00</i>	<i>59 10</i>	500		
<i>37 50</i>	<i>58 00</i>	600		
<i>38 40</i>	<i>57 00</i>	700		
<i>39 35</i>	<i>56 00</i>	800		
<i>40 30</i>	<i>55 00</i>	900		
<i>41 30</i>	<i>53 50</i>	1000		
<i>42 30</i>	<i>52 45</i>	1100		
<i>43 30</i>	<i>51 35</i>	1200		
<i>44 35</i>	<i>50 20</i>	1300		
<i>45 40</i>	<i>49 00</i>	1400		
<i>46 30</i>	<i>47 50</i>	<i>1470</i>		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



15° 54 South 143° 06' W

OK  
~~1500~~  
~~1600~~

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

3600	153
1470	55
2750	98
	1470
	<u>1568</u>

SERIAL TEMPERATURES.

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

REMARKS:

on  
Hutch

Pat Log, 33.3

No. *N. G. 113* Date *17 Oct 99*

*Sigsbee* Machine. #1 Reel. *Built Up*

Turns *1408* Cor. + *95* Depth *1503 fms.*

Shot or lead *35 lb.*

Bottom *Blk. Cr. Lt. gl. Brown*

Bottom temperature *72.6°*

No. of thermometer *61167* Cor.

Corrected temperature

Air *81* Surface *80* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>9-49.45</i>	<i>24.40</i>	0		
<i>50.40</i>	<i>23.35</i>	100		
<i>51.35</i>	<i>22.35</i>	200		
<i>52.30</i>	<i>21.30</i>	300		
<i>53.30</i>	<i>20.30</i>	400		
<i>54.35</i>	<i>19.25</i>	500		
<i>55.45</i>	<i>18.25</i>	600		
<i>56.55</i>	<i>17.20</i>	700		
<i>58.10</i>	<i>16.15</i>	800		
<i>59.30</i>	<i>15.05</i>	900		
<i>10-00.50</i>	<i>13.55</i>	1000		
<i>02.10</i>	<i>12.45</i>	1100		
<i>03.30</i>	<i>11.35</i>	1200		
<i>04.50</i>	<i>10.20</i>	1300		
<i>06.20</i>	<i>08.45</i>	1400		
<i>10-06.30</i>	<i>10-08.40</i>	<i>1408</i> 1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

15° 55'	South	2500	142° 39'	West
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

611  
~~3400~~  
 2

3600  
 1408  
 -----  
 2192

153  
 58  
 -----  
 95  
 1408  
 -----  
 1503

SERIAL TEMPERATURES.

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

REMARKS:

No. *U.C. 114* Date *17<sup>th</sup> Oct 1899*  
 Sigsbee Machine. *#7* Reel. *Built up*  
 Turns *295* Cor. + *90* Depth *385 fms.*  
 Shot or lead *35 pounds*  
 Bottom *Slab gy. Mang. Pas & 1/4 S. gy*  
 Bottom temperature *35.2*  
 No. of thermometer *92449* Cor.  
 Corrected temperature  
 Air *85* Surface *80* Drift  
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>12.17.20</i>	<i>12.49.00</i>	0		
<i>18.20</i>	<i>47.10</i>	100		
<i>19.15</i>	<i>46.50</i>	200		
<i>20.20</i>	<i>45.40</i>	300		
<i>21.35</i>	<i>44.45</i>	400		
<i>22.45</i>	<i>43.40</i>	500		
<i>24.00</i>	<i>42.35</i>	600		
<i>25.15</i>	<i>41.30</i>	700		
<i>26.30</i>	<i>40.20</i>	800		
<i>27.55</i>	<i>39.10</i>	900		
<i>29.10</i>	<i>38.00</i>	1000		
<i>30.35</i>	<i>36.50</i>	1100		
<i>32.10</i>	<i>35.45</i>	1200		
<i>11.33.25</i>	<i>11.34.30</i>	<i>1245</i>		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

15° 56' South		2500	142° 24' W
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
3600	10.3	3400	
1205	6.3	3500	
2200	9.0	3600	
	12.95	3700	
	18.85	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. *AJ. 115* Date *17 Oct. 99*  
*Sigsbee* Machine *#7* Reel. *Built up*  
 Turns *487* Cor. + *21* Depth *508 fms*  
 Shot or lead *35 pounds*  
 Bottom *Gr Coral Sands, P. sh. cy.*  
 Bottom temperature *40.2*  
 No. of thermometer *92449* Cor.  
 Corrected temperature  
 Air *85* Surface *81* Drift  
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1. 20.00</i>	<i>51.00</i>	0		
<i>40.15</i>	<i>50.00</i>	100		
<i>41.50</i>	<i>48.55</i>	200		
<i>47.30</i>	<i>47.55</i>	300		
<i>43.40</i>	<i>46.40</i>	400		
<i>1. 44.20</i>	<i>45.45</i>	<i>487</i>		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

15° 26' 13" South	2500	142° 29' West
OK d/c 1/2	2600	1/2 mile off the North Point of Rarua Atoll.
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
3600 130°	3600	
487 114	3700	
3113 21	3800	
487	3900	
508	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. 2116 Date 18 Oct 1895  
 Machine #1 Reel. Reel  
 Turns 530 Cor. + 42 Depth 572 fms.  
 Shot or lead 35#  
 Bottom Co. Coral sand.  
 Bottom temperature 38.7  
 No. of thermometer 92449 Cor.  
 Corrected temperature  
 Air 78 Surface 79 Drift  
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
6.30.35	6.43.45	0		
31.40	42.50	100		
33.00	41.50	200		
34.10	40.45	300		
35.15	39.40	400		
36.20	38.20	500		
36.45	37.55	530		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



15° 53' South	2500	142° 14' West
OK	2600	
4000	2700	1/2 mile off the
	2800	SW Point of
	2900	Jakura
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	3600 153
	3600	530 111
	3700	3070 42
	3800	530
	3900	572
	4000	

~~11~~ SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
35				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Pat 209 91.1

No. *2117* Date *18 Oct 99*  
 Machine. *Sigsbee* Reel. *Reel 200*  
 Turns *522* Cor. + *41* Depth *563 fms*  
 Shot or lead *35*  
 Bottom *Mang. Pd.*  
 Bottom temperature *38°*  
 No. of thermometer *92449* Cor.  
 Corrected temperature  
 Air *79* Surface *79* Drift  
 Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>7.11.05</i>	<i>22.15</i>	0		
<i>12.00</i>	<i>21.20</i>	100		
<i>12.55</i>	<i>20.25</i>	200		
<i>14.50</i>	<i>19.35</i>	300		
<i>15.00</i>	<i>18.40</i>	400		
<i>16.20</i>	<i>17.35</i>	500		
<i>16.40</i>	<i>17.30</i>	<i>522</i>		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

15° 54' South	2500	142° 16' West
	2600	
	2700	Midway between
	2800	Rarua and
	2900	Tukuahe Sho.
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	3600 153
	3700	522 112
	3800	3078 41
	3900	522
	4000	563

SERIAL TEMPERATURES.

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

REMARKS:

# Cat Log

601

*Sketch*

No. *118* Date *18 Oct 99*  
 Sigsbee Machine. # *1* Reel. *Built W.P.*  
 Turns *585* Cor. + *45* Depth *630 fms*  
 Shot or lead *35 lb.*  
 Bottom *Coar. sand. Mang. Pass.*  
 Bottom temperature *38.2°*  
 No. of thermometer *93449* Cor.  
 Corrected temperature  
 Air *80* Surface *80* Drift  
 Trawl or dredge

*Time*

SOUNDING WIRE.

DREDGE ROPE.

TURNS.

DOWN.	UP.	TURNS.	DOWN.	UP.
<i>10.50</i>	<i>26 =</i>	0		
<i>11.25</i>	<i>24.10</i>	100		
<i>12.25</i>	<i>23 =</i>	200		
<i>13.40</i>	<i>21.55</i>	300		
<i>15 =</i>	<i>20.50</i>	400		
<i>16.30</i>	<i>19.50</i>	500		
<i>17.40</i>	<i>18.45</i>	<i>585</i>		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

16° 12' South		2500	142° 21' 21"
OK		2600	About 1 mile off St. Vincent Point of Rarouia Atoll.
585		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
3600	153	3300	
585	108	3400	
<u>3015</u>	<u>45</u>	3500	
	585	3600	
	<u>630</u>	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:

St. 114

P. Log. 26.4

No. 99 Date Oct 18-99

Register Machine #1 Reel Build up

Turns 1420 Cor. + 96 Depth 1516 fm

Shot ~~35~~ 35#

Bottom Slab. of magnesian par.

Bottom temperature 35.5

No. of thermometer 924149 Cor.

Corrected temperature

Air 79 Surface 80 Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1.28.30	2.06.50	0		
29.30	05.40	100		
36.35	04.35	200		
31.40	03.30	300	3600	153
33.05	02.20	400	1420	57
34.15	2.01.10	500	2180	96
35.30	19.15	600		1420
36.55	18.45	700		1516
38.35	17.35	800		
40.15	16.35	900		
41.50	15.35	1000		
43.25	14.30	1100		
45.00	13.20	1200		
46.40	12.00	1300		
48.25	10.30	1400		
1.48.50	1.50.15	1420		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

10<sup>2</sup> = 100 = 10<sup>2</sup> = 100

10<sup>3</sup> = 1000 = 10<sup>3</sup> = 1000

10<sup>4</sup> = 10000 = 10<sup>4</sup> = 10000