

#1.
California Coast.

D^s. 4303 to D^s. 4319.

Hy. 4789 to Hy. 4790.

Mch. 1st to 7th, 1904.

~~1/~~

Dr. 4303 - Dr. 4319.

and

~~Hy. 4789 - Hy. 4793.~~

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	Not	#4 4689		
50	"	Dr. 4362		
100				
200				
300				
400	Don't mark # numbers; leave a blank instead -			
500				
600				
700				
800				
900				
1000				

REMARKS:

P.L. = 18.7

No. *D. 4303* Date *March 1, 1904*

Tanner Machine. Reel.

Turns *20* Cor. + *1* Depth *21 fms.*

Shot or lead *30#*

Bottom

Deep x 20. S. (smooth sand.)

Bottom temperature

No. of thermometer *(98549)* Cor.

Corrected temperature

Air *64* Surface *63* Drift *South 1'*

Trawl or dredge *11' Tanner, Ranner and Tail wts, Rink*

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

3.53.00

3.54.35

0

3.57.30

4.26.30

3.53.35

3.54.10

20 100 40

3.57.30

4.24.10

200

300

400

25 min. 1

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Off San Diego, California -
 Pt Loma Light, N 120 W., 6 1/10'

HC
 JCS

{ S. E. by S, 0-1.
 bc., Ci. 4.
 Barom. 30.03
 Smooth Sea. }

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

CS 45700.

Weather conditions, etc.

SERIAL TEMPERATURES.

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

Albatross.

U. S. FISHERIES ST'R ALBATROSS.

REMARKS:

No. *E. 4303* Date *1 Mar. 04.*

Tanner Machine. Reel.

Turns *22* Cor. + *1* Depth *24 fms.*~~Shot or lead~~ *30#*

Bottom

Bottom temperature *8 Thermos. did not act*No. of thermometer *98249* Cor.

Corrected temperature

Air *64* Surface *62* Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

P.M. *4.26.30* *4.29.10* *0**4.27.00* *4.28.30* *22**no dredge**100*

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

*This marks end
of Dr. 4303.*

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4.29 ahead

4.40 stopped

3 89
3 5 1/2
3 6

SERIAL TEMPERATURES.

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

REMARKS:

W. R.
H. W. R.
H. W. R.
H. W. R.

No. *Dr* 4304 Date *March 1-1904*

Tanner Machine. Reel.

Turns 24 Cor. + 1 Depth 25 fms

Shot or lead 30 lbs

Bottom *crs. yf. S.*

Bottom temperature 52°

No. of thermometer 98247 Cor.

Corrected temperature

Air 64 Surface 63 Drift *N 38° E 1/16*

Trawl or dredge 11' *Tanner* *Weight* *Drift* *Weight* *Drift*

PM SOUNDING WIRE PM

PM DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
4. 42.00	4. 45.00	0	4. 48.00	5. 13.15
- 40	4. 44.30	30	4. 51.00	5. 10.15
		100		
		56		
		200		
		300		19 min.
		400		
		500		
		600		
		700		attached to
		800		tail of net.
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

St Loma Light, N 20 W, 5.9

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

SE + S force 1
Bar. 30.02
Smooth Sea
Fair - low thin
haze - Partly cloudy overhead

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

Tanner Machine. Reel.

Turns 24 Cor. + 1 Depth 25 fms

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

J. 18.00 J. 15.20

J. 12.10 J. 14.30

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

Marks and
of Dr 4304.

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:

HANK

No. *Dr 4305* Date *March 2 '04*
Tanner Machine. Reel.
 Turns *65* Cor. + *2* Depth *67 fms*
 Shot or lead *30 lb*
 Bottom *gy S & brk Sh*
 Bottom temperature *49.9°*
 No. of thermometer *98247* Cor. *{ 551° N*
 Corrected temperature *{ 13/10'*
 Air *55°* Surface *59°* Drift
 Trawl or dredge *11 ft Tanner*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
AM DOWN.	AM UP.		AM DOWN.	AM UP.
8 31.20	2 33.20	60	8.50.00	9.34.00
31.30	32.10	70	58.00	9.30.20
<i>Second</i>		100	9.00.10	9.27.30
8 34.45	8.40.00	120	9.01.30	9.26.30
35.40	38.40	140	<i>Time 25 min</i>	
<i>67 fms</i>	<i>corrected</i>	600	<i>Veg small haul</i>	
<i>gy S & brk Sh</i>		700		
		800		
		900		
<i>Current Log from whale boat</i>		1000		
<i>used during</i>		1100		
<i>& after soundings</i>		1200		
		1300		
<i>Large number of gulls</i>		1400		
<i>resting in</i>		1500		
<i>at this station.</i>		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

At Loma Light, N 39° E., 9 1/10'

OK JTB JTB	✓	2500	
		2600	
miles	A M time	2700	
		2800	
P.L. 28.	9 at 8.28	2900	
wind	force	3000	stopped
		3100	
S 70 3/4 S	1-2	3200	
Bar 30.08"	55° therm alt	3300	
		3400	
Fair hazy horizon	smooth sea	3500	
		3600	
Black Water 10.00	4.00	3700	
		3800	
and " "		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.

No. *E 4305* Date *March 2nd 04*
Tanner Machine. Reel.

Turns *113* Cor. + *3* Depth *116 fms*

~~Shot or lead~~ *30 lbs*

Bottom *fine gy. S*

Bottom temperature *48°*

No. of thermometer *98247* Cor.

Corrected temperature

Air *55°* Surface *59°* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>9. 29.00</i>	<i>9. 39. 30</i>	0		
<i>9. 30.00</i>	<i>9. 37.00</i>	100		
		200		
		300		
<i>marks end of</i>		400		
<i>Dr 4305</i>		500		
	<i>ahead E 1/2 S</i>	600		
	<i>at 9. 48, two miles</i>	700		
	<i>9. 52 changed to East</i>	800		
	<i>9. 59. 30 stopped</i>	900		
		1000		
		1100		
		1200		
		1300		
<i>10.07</i>	<i>10.13.00</i>	1400		
<i>09</i>	<i>09.05</i>	1500		
		1600		
<i>163 turns + 4</i>		1700	<i>167 fms</i>	
	<i>ga M</i>	1800		
	<i>no temperature taken</i>	1900		
		2000		
<i>10.13.00</i>	<i>ahead 1 mi</i>	2100		
<i>10.19.30</i>	<i>stopped</i>	2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

Bar 30.08"

Therm at 65°

Wind N NW, force 1

fine hazy weather

Smooth sea

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100	<u>2d Trawl Sounding</u>			
200				
300	10.23.05	Down		
400	10.25.00	up		
500				
600	64	therms	+3	= 67 fms
700	gr S & brk S.h			
800				
900	al			
1000				

REMARKS:

349R
507.

No. *Dr 4306* Date *Mar. 2, 1904*
Tanner Machine. Reel.
 Turns *202* Cor. + *5* Depth *207 fms*
 Shot or lead *30*
 Bottom *gn M, fine S.*
 Bottom temperature
 No. of thermometer *not used* Cor.
 Corrected temperature
 Air *70°* Surface *59°* Drift *(S 40° W) 1 1/10'*
 Trawl or dredge *11' Tanner with all bright mud bag*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>10 33.30</i>	<i>10.39.30</i>	0	<i>10.42.40</i>	<i>12.07.30</i>
<i>10 35.00</i>	<i>10.35.05</i>	100	<i>10.48.50</i>	<i>12.02.30</i>
		150	<i>50 15</i>	
		200	<i>10.52.24</i>	<i>11.58.00</i>
		250	<i>59 45</i>	
		300	<i>10.57.00</i>	<i>11.53.30</i>
		350	<i>11.01.00</i>	<i>11.50.10</i>
		400	<i>11.03.40</i>	
		450		
		500		
		550		
		600		
		650		
		700		
		750		
		800		
		850		
		900		
		950		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Veered to during second sounding

(P)

Port Surface Net cut at 11.00 am taken in at 11.43

Second Sounding
 Down Up
11.04 11.14.00
11.07.30 11.07.35
no temperature
 Turns *340*
 Cor + *6*
 fms *346*
gn M

Apparatus came up foul, the mud bag being thrown inside the net. Fair haul.

Time 2 minutes slow

H Loma Light, N 32° E., 10³ 10'

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

Bar 30.09 "
Therm att. 69°
Wind SSW force 0-1
Fair hazy weather
Smooth sea
long swell from WSW

(P) Int.
~~Long Swell~~ net (Ritter's)

put over at 11.40 - h at 11.57.30
SERIAL TEMPERATURES.
= 19 1/2 mm.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				(P)
300				Rigger's own stop
400				pile for ca. + sent
500				16' dia net.
600				plankton net,
700				down 100
800				fms + hauled
900				by hand.
1000				

Shot on a 35th REMARKS: shot on lower
guys + secured net to 2 shots of
50 fms each 9th Manila -

No. *E 4306* Date *Mar. 2, '04*

Tanner Machine. Reel.

Turns *490* Cor. + *7* Depth *497 fms*~~Shot or lead~~ *30 lbs*Bottom *gn M G*Bottom temperature *40.2*No. of thermometer *9824.7* Cor.

Corrected temperature

Air *70°* Surface *59* Drift

Trawl or dredge

SOUNDING WIRE. <i>AM</i>		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>11.41.30</i>		0		
<i>45.00</i>	<i>11 48.00</i>	100		
		200		
		300		
<i>Take end of Dr. 4306.</i>		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

OK
H. J.

	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. ~~4479~~

Date 2 March 1904

Tanner Machine. Reel.

Turns 94 Cor. + 3 Depth 97 fms.

Shot or lead 30 lb

Bottom gn. M.

Bottom temperature

No. of thermometer None Cor.

Corrected temperature

Air 69 Surface 60 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1.56.45	2.01.30	0		
1.58.40	1.59.00	94		
		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. ~~477~~ Date 2 March 04

Tanner Machine. Reel.

Turns 74 Cor. + 3 Depth 77 fms.

Shot or lead 30#

Bottom fm. gn. S. R.

Bottom temperature

No. of thermometer none Cor.

Corrected temperature

Air 69 Surface 60 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2.16.00	2.17.20	0		
2.17.30	2.18.00	100		
Trial		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. *Dr. 4307* Date *2 March 04*

Tanner Machine. Reel.

Turns *165* Cor. + *4* Depth *169 fms.*Shot or lead *30#*Bottom *fine S*

Bottom temperature

No. of thermometer *none* Cor.

Corrected temperature

Air *69* Surface *65* Drift *1 1/10'*Trawl or dredge *11' Trawl, 3 trawls, Sinker, Mud pot.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>2.27.45</i>	<i>2.35.50</i>	0	<i>2.25.00</i>	<i>4.20.20</i>
<i>29.40</i>	<i>34.00</i>	100	<i>40.30</i>	<i>4.14.50</i>
<i>2.31.00</i>	<i>2.32.00</i>	165	<i>45.30</i>	<i>4.11.10</i>
		200	<i>50.00</i>	
		175	<i>54.30</i>	
		300	<i>59.10</i>	
<i>Hand marking</i>		400	<i>3.04.10</i>	<i>3.45.00</i>
<i>"Hundreds"</i>		500	<i>3.21.45</i>	<i>3.38.10</i>
<i>fell off from the</i>		600	<i>= 34 min.</i>	
<i>register while</i>		700		
<i>hearing in</i>		800		
<i>(over board).</i>		900		
		1000		
<i>Surf. Net:</i>		1100		
<i>2.05 p - 2.40 p.</i>		1200		
<i>= 35 min.</i>		1300		
		1400		
		1500		
		1600		
<i>Vertical Net: 100 ft</i>		1700		
<i>3.43 p - 4.14 p</i>		1800		
<i>began</i>		1900		
<i>taken in at 4.14.00</i>		2000		
<i>to surface 4.24.00</i>		2100		
<i>in board 4.25.00 p.m.</i>		2200		
		2300		
		2400		

Pt Lomi Light, N 320 E., 10 ⁶/₁₀'

2500

2600

2700

2800

2900

3000

3100

✓ 3200

✓ 3300

✓ 3400

✓ 3500

✓ 3600

3700

3800

3900

4000

Fair, hazy. Light breeze from W.S.W.

Bar. 30.05

Smooth sea, long swell.

Animal Life in Light =

2 sharks, small.

a few SERIAL TEMPERATURES. sea gulls.

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

Mar 2. 04

Sigsbee Machine. Reel.

Turns 448 Cor. + 42 Depth 490 fms.

Shot or lead 30x

Bottom gn. M. S.

Bottom temperature

No. of thermometer none Cor.

Corrected temperature

Air 67 Surface 61 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
	3.20.00	0		
	18.45	100		
	17.35	200		
3.10.45	16.20	300		
12.05	3.15.00	400		
12.30	- ? -	448		
(Lost Stay line and 300 lead)		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

OK
JTCB.
1/3

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

4310
448
3862

205
163
42
448

SERIAL TEMPERATURES.

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

REMARKS:

No. *E 4307* Date *2 Mar. 04*

Sigsbee Machine. Reel.

Turns *453* Cor. + *43* Depth *496 f*Shot or lead *36#*Bottom *gn M*Bottom temperature *40.3°*No. of thermometer *78247* Cor.

Corrected temperature

Air *66°* Surface *61°* Drift~~Trawl or dredge~~SOUNDING WIRE. *pm*

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

*3.52.10 4 07 30**0**53.20 06 25**100**54.20 4 05.20**200**55.30 4.04.10**300**56.35 4.03.40**400**57.30 4.01.40**453**600**700**800**900**1000**1100**1200**1300**1400**1500**1600**1700**1800**1900**2000**2100**2200**2300**2400**This also**marks the**end of Dr**No. 4307**Little animal*
*life in sight.**a few gulls**following the*
*ship —**some deep water**fish probably**porpoises at a**distance*

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
4310	205	3700	
453	162	3800	
3837	43	3900	
453 + 43 =	496	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. 4308.* Date *3^d Nov '04.**Havas* Machine. — Reel.Turns — Cor. + — Depth *8 fms.*Shot or lead *8 # lead*Bottom *hard sand*

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air *get range* Surface *from log* Drift *later*Trawl or dredge *Surface Tow + Plankton*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
(P) <i>Surface</i>		0	<i>9¹⁰</i>	<i>9.33</i> ✓
		100		
(P) <i>Plankton</i>		200	<i>9¹⁵</i>	<i>9.22</i> ✓
		300		
(P) <i>Plankton over again</i>		400	<i>9.40 1/2</i>	<i>9.44 1/2</i> ✓
		500		
(P) <i>Surface Tow</i>		600	<i>9.40</i>	<i>10.01</i> ✓
<i>Use of Surface Tow Not discontinued pro</i>		700		
		800		
		900		
		1000		
		1100		
		1200		
(P) <i>Plankton</i>		1300	<i>9.46 30</i>	<i>9.48.00</i> ✓
		1400		
		1500		
(P) <i>Small Plankton</i>		1600	<i>10.00.30</i>	<i>10.01.45</i> ✓
(P) <i>Same</i>		1700	<i>10.05.00</i>	<i>05.40</i> ✓
(P) <i>"</i>	<i>"</i>	1800	<i>08.30</i>	<i>09.05</i> ✓
(P) <i>"</i>	<i>"</i>	1900	<i>21.30</i>	<i>21.50</i> ✓
(P) <i>"</i>	<i>"</i>	2000	<i>24.00</i>	<i>25.00</i> ✓
		2100		
<i>Continued next page</i>				
		2200		
		2300		
		2400		

Anchorage at entrance to
San Diego Bay.

Pt Loma Light
S 34° W, 1.1'

2500

2600

2700

2800

2900

3000

3100

3200

3300

Nets and Small Plankton Net.

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Catch into large pan.			
50				7
100				1
200				2
300				2
400				1
500	Third haul filled glass jar of Plankton specimen			
600				1
700				1
800				
900				
1000				

Side planking up

REMARKS:

Seining & shore collecting party
left ship at 9⁰⁰ am. Returned
at 11⁰⁰ am.

W. W. R.
507.

anti.

No.

Date

March 3-1904

Hand lead

Machine.

Reel.

Turns

Cor. +

Depth

8 fms

Shot or lead

8 lbs Hand

Bottom

hard sand

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

Small Plankton Net,

SOUNDING WIRE.

DOWN.

UP.

TURNS.

and DREDGE ROPE

DOWN.

UP.

(2)

Small Plankton Net
Intermission

10.27.00 10.28.10
after 10.30. am

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

Anchorage at entrance to San Diego Bay

continued

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

*Tide very slack
No surface tide perceptible along side*

SERIAL TEMPERATURES.

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

REMARKS:

No. *H44789* Date *3 March 04*
 Machine. Reel.

Turns *69* Cor. + *2* Depth *71 fms*

~~Shot or lead~~ *20 lb*

Bottom *fine S. Sh.*

Bottom temperature

No. of thermometer *none* Cor.

Corrected temperature

Air *62* Surface *61* Drift

Trawl or dredge *Vertical Net only*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1.01.40</i>	<i>1.04.10</i>	0	<i>1.74</i>	
<i>1.02.50</i>	<i>1.03.00</i>	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
<i>1.05.00</i>	<i>1.12.30</i>	1000		
	<i>7 1/2 min.</i>	1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Pt Loma Light, N 42° E, 9⁵/₁₀'

OK
HCB

Clear and pleasant, breezy.
Lt air from South
Bar. 30.08
Smooth sea
few seagulls

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. *D-4309* Date *3 Mar 04*

Machine. Reel.

Turns *65* Cor. + *2* Depth *67 fms.*Shot or lead *20 lb*Bottom *fine S. brn Sh.*

Bottom temperature

No. of thermometer *7000* Cor.

Corrected temperature

Air *62* Surface *61* Drift *57° 21' 1.1'*Trawl or dredge *11' Tn, 2 wts, sinker, Mud, Bag*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>1.27.00</i>	<i>28.45</i>	0	<i>1.34.00</i>	<i>2.27.25</i>
<i>27.30</i>	<i>27.35</i>	100	<i>39.30</i>	
		150	<i>40.10</i>	
		200	<i>1.44.10</i>	<i>2.16.40</i>
		250		
		300		
		400		
		500		<i>= 36 1/2 min.</i>
		600		
		700		<i>At 2000 fms. caught</i>
<i>Surf. Net, p.l. beam:</i>		800		<i>on bottom and reeled</i>
<i>1.53.30</i>	<i>2.21.10</i>	900		<i>out 2 fms cable.</i>
		1000		
		1100		
		1200		
		1300		
		1400		
<i>Vertical Net, 50 fms.</i>		1500		
<i>2.19.00</i>	<i>2.27.15</i>	1600		
<i>= 8 min.</i>		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Pt Loma Light, N 41° E., 8 6/10'

OK
K.D.
K.D.

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

Clear & pleasant, light
Lt. Air from South

Bar. 30.08

Smooth Sea,
Strong current.

Seagulls a few.

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 *3 Mar 04**Tanner* Machine. Reel.Turns *71* Cor. + *2* Depth *73 fms.*Shot or lead *20 lb*Bottom *fine S. R.*

Bottom temperature

No. of thermometer *none* Cor.

Corrected temperature

Air *67* Surface *61* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>2.04.53</i>	<i>2.06.10</i>	0		
<i>2.05.00</i>	<i>2.05.05</i>	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Trid.

OK
 87.0
 77

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. *E. 4309* Date *3 Mar. 04*

Tanner Machine. Reel.

Turns *75* Cor. + *3* Depth *78 fms*Shot or lead *20 lb*

Bottom

Bottom temperature *Therm. lost.*No. of thermometer *98247* Cor.

Corrected temperature

Air *67* Surface *61* Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

2.21.30 2.27.25

0

2.23.00 2.26.00

100

*when fully
have up*

200

wire carried off

300

just above 8th

400

line; lost 20 lb

500

lead and thermo.

600

No 98247.

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

*Marks end**of**Dr. 4309*

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. *Dr. 4210* Date *3 Mar. 1904**Sigsbee* Machine. Reel.Turns *65* Cor. + *6*Depth *71 fms*~~Shot~~ or lead *36 lb*Bottom *fine gy. S.*Bottom temperature *49.7°*No. of thermometer *98242*

Cor.

Corrected temperature

Air *66*Surface *61*Drift *(S 88° W)*
*9/10'*Trawl or dredge *as before.*

A. SOUNDING WIRE.

DOWN.

UP.

TURNS.

B. DREDGE ROPE.

DOWN.

UP.

2.52.50 *2.57.30*

0

2.52.00 *3.26.00**2.54.00* *2.57.20.65*

100

3.01.10

150

3.03.00

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

*Surf. Net.**3.16.20p - 3.27.00**11 min**Vertical Net 50 fms**3.27.45p - 3.26.00**8 min.*

Pt Loma Light, N 46° E, 8 1/10'

OK
K.C.D.
-11

Clear and pleasant
Light breeze from South
Barometer 30.05
Smooth Sea.

Several gulls.

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

4310 205
65 199
4245 66
65

71
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

Tanner

Machine.

Reel.

Turns 73 Cor. +

2

Depth 75 fms.

~~Shot or lead~~

26 lb

Bottom

gn. S. M.

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

66

Surface

61

Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

3.28.45.00

3.21.50

0

3.30.00

3.30.05

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Trawl.

OK
908
23

	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. *E 4310.* Date *2 Mar 04**Tanner* Machine. Reel.Turns *73* Cor. + *2* Depth *75 fms*Shot or lead *26 lb*Bottom *fm. M.S.*

Bottom temperature

No. of thermometer *—* Cor.

Corrected temperature

Air *66* Surface *61* DriftTrawl or dredge *—*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

3.22.20 3.36.00
3.34.40 3.37.50

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

Marks end of
Dr. 4311.

OK
JWA
-2

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

SERIAL TEMPERATURES.

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

REMARKS:

No. *Hy 4790* Date *March 4. 04*
Tanner Machine. Reel.
 Turns *67* Cor. + *2* Depth *69 fms*
 Shot or lead *26 lbs*
 Bottom *fine gn S, "brownish green"*
 Bottom temperature
 No. of thermometer Cor.
 Corrected temperature
 Air *57°* Surface *59°* Drift
 Trawl or dredge

SOUNDING WIRE		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>8.36.00</i>	<i>8.39</i>	0		
<i>8.36.20</i>	<i>8.36.25</i>	100		
		200		
		300		
		400		
<i>8.47.00</i>		500		
<i>Detached whale bone for current- observation</i>		600		
		700		
		800		
<i>8.52.00</i>	<i>tuned back</i>	900		
<i>9.05.00</i>	<i>checked again</i>	1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Pt Loma Light, N 43° E., 8 5/10'

	2500	
	2600	
	2700	
	2800	
	2900	
Wind N N W - Force 2	3000	
Bar 30.10"	3100	
Therm. at 57°	3200	
Cloudy to overcast	3300	
Sea smooth	3400	
Long swell from W	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. *Hy 4799* Date *March 4th 04*

Tanner Machine. Reel.

Turns *105* Cor. + *3* Depth *108 fms.*

Shot or lead *26 lbs*

Bottom *gn M*

Bottom temperature

No. of thermometer *not used* Cor.

Corrected temperature

Air Surface *59°* Drift

Trawl or dredge

SOUNDING WIRE.

AM DOWN.

AM UP.

TURNS.

AM DREDGE ROPE.

DOWN.

UP.

9.20.10 *9.28.10*
21.15 *9.21.20*

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

OK
JES.

NRW- 1 to 2
Bar 30. 10"
Thatt 57

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. *Dr 4311* Date *March 4 - 1904*

Tanner Machine. Reel.

Turns *107* Cor. + *3* Depth *110 fm*Shot or lead *26 lbs*Bottom *gn M*Bottom temperature *48°*No. of thermometer *98242* Cor.

Corrected temperature

Air *60* Surface *59°* DriftTrawl or dredge *11' Tanner with all rights and mud bag*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>9. 24.50</i>	<i>9. 30.30</i>	<i>0</i>	<i>9. 32.30</i>	<i>10.52.00</i>
<i>9. 25.30</i>	<i>9. 28.30</i>	<i>100</i>	<i>9. 37.10</i>	<i>10.42.50</i>
		<i>200</i>	<i>9. 41.30</i>	<i>10.37.00</i>
		<i>300</i>	<i>9. 43.45</i>	<i>10.24.00</i>
<i>reared to 263 ^{lbs} wt</i>		<i>400</i>		<i>10. 30</i>
<i>9.55 to 58</i>		<i>500</i>	<i>Time 50 min.</i>	
<i>Trawl caught repeatedly, during reeling in</i>		<i>600</i>		
<i>difficult to slow time, but</i>		<i>700</i>	<i>10.17.00</i>	<i>10.31.45</i>
<i>again reared to 300</i>		<i>800</i>	<i>10.21.00</i>	
<i>" " to 350</i>		<i>900</i>	<i>10.26.00</i>	<i>10.25.30</i>
<i>" " " 375</i>		<i>1000</i>	<i>Time 42 min</i>	
<i>Trawl came up</i>		<i>1100</i>		
<i>very dilapidated</i>		<i>1200</i>		
<i>safety seizing having given out</i>		<i>1300</i>		
<i>one of the runners bent,</i>		<i>1400</i>		
<i>mud bag lost, net torn and</i>		<i>1500</i>		
<i>torn off its fastenings partly</i>		<i>1600</i>		
<i>but containing fair haul</i>		<i>1700</i>		
<i>of various</i>		<i>1800</i>		
<i>sponges etc</i>		<i>1900</i>		
		<i>2000</i>		
		<i>2100</i>		
		<i>2200</i>		
		<i>2300</i>		
		<i>2400</i>		

Pt Loma Light, N 52° E, 7²/₁₀

	2500	
	2600	
	2700	
	2800	
	2900	
N. N. W. wind	3000	
force 1 to 2	3100	
Bar 30.10 "	3200	
Th. att 57°	3300	
Cloudy towards east	3400	to clearing
Smooth Sea	3500	
Long Swell from W. S.	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	(P)			
50	Plankton Vertical Net			
100	out at 9.27			
200	up 9.29			
300			(P)	
400	Surface Temp Net			
500	out 9.38.00			
600	in at 10.05.00			
700				
800				
900				
1000				

REMARKS:

7107R.
507.

No. ————— Date *March 4th 1904*

Tanner Machine. Reel.

Turns *125* Cor. + *4* Depth *129 fms*

Shot or lead *36 lbs*

Bottom *fine green S & M*

Bottom temperature —————

No. of thermometer *not used* Cor.

Corrected temperature

Air *60°* Surface *59°* Drift

~~Trawl or dredge~~

SOUNDING WIRE. <i>AM</i>		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>9.46.00</i>	<i>9.49.00</i>	0		
<i>47.10</i>	<i>47.11</i>	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

810.
 2/3

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. *F^o 4311* Date *Mar 4. 04**Tanner* Machine. Reel.Turns *139* Cor. + *4* Depth *143 fms*~~Shot or lead~~ *26 lbs*Bottom *gn M*

Bottom temperature

No. of thermometer *not used* Cor.

Corrected temperature

Air *60°* Surface *59°* Drift~~Trawl or dredge~~

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

10.53.05 *10.56.00**4.10* *10.54.11*

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

OK
8/10/27

	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. *Dr 4312* Date *Mar. 4. '04*
Tanner Machine. Reel.

Turns *131* Cor. + *4* Depth *135 fms*

Shot or lead *26 lbs*

Bottom *fine & evidence of lead having struck* *rock*

Bottom temperature *—*

No. of thermometer *not used* Cor.

Corrected temperature

Air *70°* Surface *60°* Drift *2 mi N 10° E*

Trawl or dredge *S. Tanner* *with tail beam also sinker*

SOUNDING WIRE. *4 M*

DOWN.

UP.

TURNS.

DOWN.

UP.

11.02.00 *11.06.00*

03.10 *11.03.15*

0

100

165

200

250

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

AM DREDGE ROPE. A.M.

11.05.00 *11.50.00*

11.09.30 *46.10*

11.13.30 *42.20*

11.15.00 *11.40.00*

time 25 m

*Few gulls
following ship
no other animal
life in sight.*

*rocks having
torn mud bag,
variety of
sponges
etc etc
came up in
trawl
Lobsters, star-
fish!*

Pt Loma Light. $N 56^{\circ} E. 7 \frac{9}{10}'$

	2500
OK	2600
21/2	2700
	2800
	2900
Bar 30.10"	3000
Ther. at 70°	3100
Wind NW 6 W	3200
force 1-2	3300
Sea smooth	3400
Sun. Sun. from W.	3500
Weather clearing, pleasant	3600
	3700
Surface Trawl	3800
out at 11.18	3900
in at 11.40 (P)	4000

Time slow 4 m SERIAL TEMPERATURES.

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

REMARKS:

74 W.R.
507.

No. _____ Date *Mar. 4. 04*
2. 10. 11 Machine. Reel.
 Turns *108* Cor. + *3* Depth *111 fms*
 Shot or lead *26 lbs*
 Bottom *gy S*
 Bottom temperature _____
 No. of thermometer *not used* Cor. _____
 Corrected temperature _____
 Air *70°* Surface *60°* Drift _____
 Trawl or dredge _____

A M SOUNDING WIRE. A M		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>11. 31. 30</i>	<i>11. 36. 30</i>	0		
<i>11. 32. 40</i>	<i>11. 32. 41</i>	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

586

108

478

OK

878.0

-17

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.

E 4312

Date

Mar 4, '04

Tanner

Machine.

Reel.

Turns

92

Cor. +

3

Depth

95 fm

Shot or lead

Bottom

gn-gy S & evidence of rock

Bottom temperature

No. of thermometer

not used

Cor.

Corrected temperature

Air

70

Surface

60

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

11. 39. 10

11. 44

0

11 40-10

11. 40 10

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

secondary evidence of sounding
 85 turns + 3 = 88 fm
 gzy S & in

OK
 2700
 2800

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

SERIAL TEMPERATURES.

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

REMARKS:

(1/4 mile from West End.)

No. ~~4993~~

Date

4 March 04.

Machine.

Reel.

Turns 75 Cor. + 2

Depth 75 fms.

~~Shot or lead~~ 26 lb

Bottom gy S.

Bottom temperature no therm.

No. of thermometer none Cor.

Corrected temperature

Air 69 Surface 60 Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

12.06.00 12.08.00

12.07.00 12.07.05

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

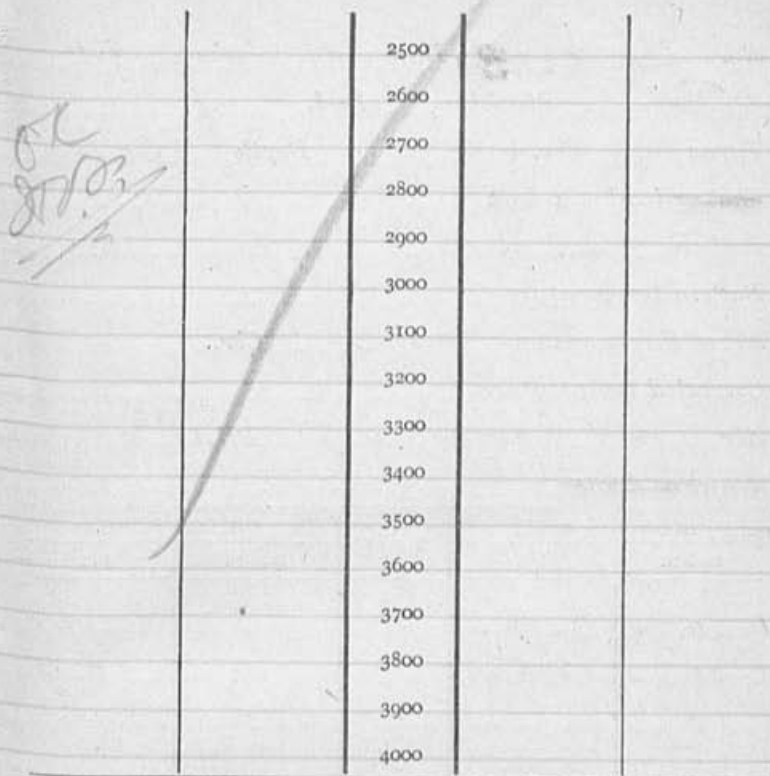
2000

2100

2200

2300

2400



SERIAL TEMPERATURES.

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

REMARKS:

No. *Dr. 4213.* Date *4 March 04*

Tanner Machine. Reel.

Turns *89* Cor. + *3* Depth *92 fms.*~~Shot or lead~~ *26 lb*Bottom *gy S bk sh*

Bottom temperature

No. of thermometer *none* Cor.

Corrected temperature

Air *64* Surface *61* Drift *(S 77° W 8/10')*Trawl or dredge *8' Tur, Sinker, 2 vts., of Mud Bar*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

1.07.00	1.10.30	0	1.17.30	2.01.00
1.07.30	1.07.25	100	21.45	
		200	25.40	
		255	1.27.30	1.49.00
		300		

= 21 min

(P)

Vertical Net:

7.07.00 - 7.14.05

= 7 min.

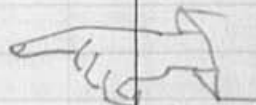
Hoop of vertical net broke.

Surf. Net:

1.22.05 - 1.50.00

= 28 min

(P)



Pt Loma Light, N 57° E, 9⁵/₁₀'

OK
9/10/03
11/11

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

Nearly overcast, (S. Co 9), haze in horizon

Goatheads fr. N. M.

Bar. 30.06

Smooth sea, long rays, smooth.

Several gulls.

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

4 Mar. 04.

Tanner Machine. Reel.

Turns 150 Cor. + 4 Depth 154 fms.

Shot or lead 26.

Bottom gy S. R.

Bottom temperature

No. of thermometer none Cor.

Corrected temperature

Air 64 Surface 61 Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

1.34.15

1.38.10

0

35.00

36.30

100

1.35.30

1.36.00

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Trial

(wire in angle)

OK
J.P.B.
2

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

SERIAL TEMPERATURES.

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

REMARKS:

No.

E. 4313

Date

4 Jan 04

Tanner Machine.

Reel.

Turns 239 Cor. +

5

Depth 243 fms.

Shot or lead

26 lb

Bottom

R.

Bottom temperature

44.1

No. of thermometer

98242

Cor.

Corrected temperature

Air

64

Surface

61

Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

1.52.40

2.01.00

0

53.15

59.00

100

54.00

57.00

200

1.54.20

1.56.20

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Marks and of
Dr. 4314

586
 238
 348

OK
 1120

7

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

SERIAL TEMPERATURES.

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

REMARKS:

P. L. = 55.

107.

No.

Dr. 4314 Date 4 Mar. '04

Sigsbee Machine. Reel.

Turns 58 Cor. + 6 Depth 64 fms

Shot or lead 36 lb

Bottom 4. gy. S. bkn L. bk. Sp.

Bottom temperature

No. of thermometer none Cor.

Corrected temperature

(S 32.2 H

Air 60 Surface 60 Drift 19/10'

Trawl or dredge 11' Tnr. Sinker, 2 wts, Ship's Dr.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

2.45.50 2.49.00

2.46.40 2.48.00

0

100

200

230

300

400

491

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2.55.30 4.01.30

57.20 58.00

54.30

51.00

47.00

3.43.00

Heavy Strain;
indicating rocky or
foul bottom.

7/1

(P)

Vertical Net, 50 fms
2.47.00 - 2.49.00
= 2 min.

(P)

Surf. Net:

2.57.20 - 3.28.00

= 31 min.

Hand-drawn sketch of a net or rope structure.

Safety seizing broken
Net up and torn
Ship's Dredge lost
Two specimens adhering
to meshes of net.

also 11' Tanner
Frame and 2 trawl-
weights lost.

H Lonia Light, N 34° E., 9 8/10'

OK
JTB
11

Neely Orquest (S. Co)
Gentle breeze from
Brewster 30. or
Smooth Sea.
Several gulls.

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

W. N. W.

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

4 Mar 04

Sigsbee Machine. Reel.

Turns 52 Cor. + 6 Depth

72 fms

Shot or lead 36 lb

Bottom

gy S. G.

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3.00.00	02.00	0		
3.01.00	3.02.00	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

OK 5700 11		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
	4010	3400	
	65	3500	
	4245	3600	
	65	3700	
	6	3800	
	71	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

4 Mar 04

Machine.

Reel.

Turns 225 Cor. + 23

Depth 248 fms

Shot or lead 36 lb

Bottom

brown M.

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

60

Surface

60

Drift

~~Prawl or dredge~~

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

3.17.55	24.20	0
19.00	22.55	100
19.55	21.30	200
3.20.10	3.21.05	225

Tide.

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

OK
H2O
7

4310
225
—
4085

205
182
—
23
225
—
248

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

4 Mar. 04

Tanner Machine. Reel.

Turns Cor. +

Depth 75 fms.

Shot or lead

Bottom

Bottom temperature

49°

No. of thermometer

98242

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

3.37.20 3.41.45

0

3.42.30

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

down 75 turns
to measure
temperature
at this depth

OK
2120.
3

	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.

E: 4314

Date

4 Mar. 04

Sigsbee Machine.

Reel.

Turns

450

Cor. +

42

Depth

492 fms

Shot or lead

26 lb

Bottom

gn M

Bottom temperature

40.2

No. of thermometer

98242

Cor.

Corrected temperature

Air

61°

Surface

61°

Drift

Trawl or dredge

SOUNDING WIRE. <i>R.M.</i>		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3.47.00	3 59 30	0		
48.00	58.10	100		
49.00	56.55	200		
50.00	55.45	300		
50.45	54.30	400		
3 51.10	3.53.50	450		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

End of
days
work

525
8100
3

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

4310
450
3860

205
103
42
450

492

SERIAL TEMPERATURES.

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

REMARKS:

2112R
507.

Sagin at 8.20 readg 61.8

No. _____ Date *Mar. 5, 34*

Tanner Machine. Reel.

Turns *65* Cor. + *2* Depth *67 fms*

Shot or lead *26 lbs*

Bottom *gy fine S*

Bottom temperature *49.9*

No. of thermometer *98242* Cor.

Corrected temperature

Air *64°* Surface *59°* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>8.28.15</i>	<i>8.32.10</i>	0		
<i>8.29.20</i>	<i>8.31.10</i>	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Dr 4315 Hy 4794 4310 205

OK
J.P.O.
11

Bar. 30.10"
Th all 64°
wind NE
force 1
Fair & pleasant
Surf. S. 1/2 E
Small from S.W.

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

SERIAL TEMPERATURES.

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

REMARKS:

7.11.11.
507.

No. *Dⁿ 4315.* Date *March 5 '04*
Tanner Machine. Reel.

Turns *66* Cor. + *2* Depth *68 fms*

Shot or lead *26 lbs*

Bottom *gy fine S*

Bottom temperature *49°*

No. of thermometer *98242* Cor.

Corrected temperature

Air *64°* Surface *59°* Drift *none*

Trawl or dredge *Vertical*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>8.34.30</i>	<i>8.39.30</i>	0		
<i>8.35.30</i>	<i>8.38.00</i>	100		
		200		
		300		
<i>Vertical Net</i>		400	<i>- 50 fms.</i>	
<i>on at 8.38</i>		500		
<i>in at 8.39.30</i>		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Pt Loma Light, N 42° E, 9 1/10'.

OK
J.V.P.
11

	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. *Dr. 4316* Date *March 5. 04**Sigsbee* Machine. Reel.Turns *68* Cor. + *7* Depth *75 fms*~~Shot~~ or lead *36 lbs*Bottom *fine gy S & evidence of rock*Bottom temperature *49.0*No. of thermometer *98242* Cor.

Corrected temperature

Air *64.0* Surface *59.0* Drift *none*Trawl or dredge *Vertical*

SOUNDING WIRE <i>AM</i>		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>8.54.00</i>	<i>9.00</i>	0		
<i>56.00</i>	<i>59.00</i>	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Pt Loma Light, N 35° E, 10 ⁴/₁₀'

OK
J. J. O'Connell

(P)

Vertical Plankton
down at 8.59
up at 9.01

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

100 fms line
probably about
70 fms
depth.

SERIAL TEMPERATURES.

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

REMARKS:

2607

No. *Dr 4317* Date *March 5 1904*

Sigsbee Machine. Reel.

Turns *146* Cor. + *15* Depth *161 fms*

~~Shot~~ or lead *36 lbs*

Bottom *fine gy S*

Bottom temperature *47°*

No. of thermometer *98242* Cor.

Corrected temperature { *56.2*

Air *65°* Surface *59°* Drift { *2 3/10'*

Trawl or dredge *9' 2m + M Bag*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
	<i>9 19 30</i>			
<i>9.13.10</i>	<i>18 10</i>	<i>100°</i>	<i>9.29.00</i>	<i>11.07.30</i>
<i>14.20</i>	<i>9.17.20</i>	100	<i>33.30</i>	<i>11.08.50</i>
		200	<i>37.09</i>	<i>11.50.30</i>
		300	<i>40.33</i>	<i>10 56.30</i>
		400	<i>44.00</i>	<i>10.52.20</i>
		500	<i>47.10</i>	<i>47.00</i>
		600	<i>50.20</i>	<i>43.30</i>
		700	<i>53.30</i>	<i>39.00</i>
		800	<i>56.50</i>	<i>10.35.00</i>
		900	<i>10.00.00</i>	<i>30.50</i>
		<i>910</i>		<i>10.50.30</i>
		1000		
		1100	<i>Time</i>	<i>30 1/2 "</i>
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

To ascertain temperature at *70 fms* below surface

was sent down by turns by

the *Tanner* Machine and

gave *49.5°*

9.22 am

9.24 9.27.00

Good Haul
variety of
cod
etc
etc

Pt Loma Light, N 36° E, 11.0'

OK 700. Bar 30.10 Therm at 60° W. N. W 3 fms Fair & pleasant Smooth sea. Large small fish	2500	7 167	15	15
	2600	15	61	
	2700	161		
	2800			
	2900			
	3000			
	3100			
	3200			
	3300			
	3400			
Vertical Nit down 9.13 up at 9.14.10	3500			
	3600			
	3700			
	3800			
	3900			
	4000		5.0 fms	

Surface Temp Nit over

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	at	9.33 am		
50	at	10.34		
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

Mar 5 - 04

Sigsbee Machine. Reel.

Turns 430 Cor. + 42 Depth 492 fms

~~Shot or lead~~ 36 lbs

Bottom Rck

Bottom temperature —

No. of thermometer not used Cor.

Corrected temperature

Air 60° Surface 60° Drift

~~Trawl or dredge~~

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

9-44-00

9.49.00

0

47.00

100

9-45-00

46.00

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Off E. Jolla
CS Signal, Solana Hills, Pt. La Jolla

4310	205	2500
450	163	2600
3860	42	2700
516	450	2800
5170	492	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

Mar 5-04

Sigsbee

Machine.

Reel.

Turns 430 Cor. +

41

Depth

471 fms

~~Shot or lead~~

36 lb

Bottom

gn M

Bottom temperature

No. of thermometer

not used

Cor.

Corrected temperature

Air

60°

Surface

60°

Drift

~~Trawl or dredge~~

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

9. 57. 10	10. 08. 30	0		
58. 30	07. 20	100		
59. 20	06. 00	200		
10. 00. 10	10. 05. 00	300		
01. 10	10. 04. 00	400		
01. 30	02. 00	430		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

4310
430

205
V64

3.880

2500

41

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

March 5, 04

Sigsbee

Machine.

Reel.

Turns 470 Cor. + 44 Depth 514 fms

Shot or lead 36 lb

Bottom gn M

Bottom temperature

No. of thermometer not used Cor.

Corrected temperature

Air 60° Surface 60° Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

10.20.00

0

21.00

100

22.40

200

23.40 29.20

300

24.35 10.28.00

400

25.20 10.26.30

470

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Vertical net over 10.34
to a depth of 100 fms.
up at 10.39.00

4310

205

470

161

3840

44

470

514

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. *E 4317* Date *Mar 5 1904*
Sigsbee Machine. Reel.
 Turns *467* Cor. + *43* Depth *510 fms*
 Shot or lead *36 lbs*
 Bottom *gn M*
 Bottom temperature *40.0°*
 No. of thermometer Cor.
 Corrected temperature *98.242*
 Air *60°* Surface *60°* Drift
 Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DREDGE ROPE.	
			DOWN.	UP.
<i>10.35.40</i>	<i>50.10</i>	0		
<i>10.36.45</i>	<i>49.30</i>	100		
<i>37.35</i>	<i>48.22</i>	200		
<i>38.25</i>	<i>47.20</i>	300		
<i>* 39.20 10</i>	<i>44.00</i>	400		
<i>40.40 10</i>	<i>43.00</i>	467		
		500		
		600		
<i>* oil rag caught</i>		700		
<i>had to reverse reel</i>		800		
		900		
		1000		
		1100		
<i>This marks end of</i>		1200		
		1300		
<i>ahead at</i>		1400		
		1500		
<i>for Point Lima</i>		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

43.10

464

38.5

102

3843

43

46 2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

Clear & pleasant
 Wind WNW
 force 4/3
 Long swell S.W.
 Bar 30.11 "
 Therm at 60°

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. 4318

Date

7 Mar. 1904.

Tanner

Machine.

Reel.

Turns

111

Cor. +

3

Depth

114 fms.

Shot or lead

26 lb

Bottom

Bottom temperature

No. of thermometer

none

Cor.

Corrected temperature

Air

71

Surface

61

Drift

none

Trawl or dredge

Vertical.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

10.11.45 10.15.45

0

12.40 13.25

100

12.50 13.20

111

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

lost 30 fms

wire and 26 lb

lead/lead stake

in bottom, and

when leaving

land, wire broke

(P)

Vertical net:

100 fms. out.

10-11.00 - 10-17.00

10-11.00 - 10-15.00

10-13 = 4 min.

Off La Jolla -
 CS Signal, Solidad Hill, Pt La Jolla,

OK H.C.B.		2500	570° E., 46/10'
		2600	
		2700	
		2800	
		2900	
	Clean and pleasant,	3000	hazy. Lt. breeze
	f. N.W. Bar.	3100	029.97
	Smooth sea.	3200	
		3300	
		3400	
		3500	
		3600	
		3700	
4310	205	3800	
50	199	3900	
4260	6	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

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

Am. SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

10.28.10

31.15

0

29.00

30.25

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

81C
 872.03
 2

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

SERIAL TEMPERATURES.

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

REMARKS:

No. *Dr. 4319* Date *7 Mar. 04**Sigsbee* Machine. Reel.Turns *50* Cor. + *5* Depth *55 fms*Shot or lead *36 lb*Bottom *gn. M.*Bottom temperature *50.5*No. of thermometer *98242* Cor.

Corrected temperature

Air *71* Surface *61* DriftTrawl or dredge *Vertical**Am* SOUNDING WIRE.*1 Pm* DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
<i>10.43.00</i>	<i>10.48.10</i>	0		
<i>44.00</i>	<i>47.00</i>	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*Sml. Vertical,**50 fms out.**10.43 - 10.48.**10-45 5 min**Surface currents**[Signature]**[Large signature]*

Solihastil, S 70° E., 3 ⁸/₁₀'

HC
HCB.
✓



Clear and pleasant; hazy.
Light air & light breeze from
N.W. Bar. 29.97.
Smooth sea.

75^m wide

44^m deep -