2. California Coast.

Dr. 4320 to Dr. 4336.

Hy.

Mch. 7th to 10th, 1904.

#2.

Dr. 4320 – Dr. 4336.

Next #4 - 4794

		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:

507.

Amfil

✓ ~~Continued.~~

No. Dr. 4320 Date 7 Mar. 04

Sigsbee Machine. Reel.

Turns 50 Cor. + 5 Depth 55 fms.

~~Shot~~ or lead 36 ℔

Bottom Sn M.

Bottom temperature

No. of thermometer none Cor.

Corrected temperature

Air 67 Surface 61 Drift (N 23° E 6/10'

~~Trawl or dredge~~

am. SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11.10.15	13.00	0		
11.00	12.00	100		
		200		
		300		
		400		
		500		
		600		
(P)		700		
		800		
Sml. Vertical		900		
50 fms.		1000		
11.10	– 11.13	1100		
11 – 11		1200		
= 2 min.		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

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

		2500	S430 E.	2 9/10
		2600		
Pt		2700	SS #5100 -	
		2800		
		2900		
		3000		
Clear and hazy.		3100	Light air from N.N.W.	
Bar. 29.94.		3200	Smooth Sea.	
		3300		
		3400		
		3500		
		3600		
		3700		
4310 -	205	3800		
		3900		
		4000		

SERIAL TEMPERATURES.

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

REMARKS:

507.

No. Dr. 4321 Date 7 Mar.

Sivsbee Machine. Reel.

Turns 187 Cor. + 19 Depth 206 fm

~~Shot or~~ lead 36 #

Bottom ~~bk. M.~~ dk gn. m -

Bottom temperature 58.00

No. of thermometer 98242. Cor.

Corrected temperature

Air 67 Surface 61 Drift none

~~Trawl or dredge~~ Vertical

am. SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11.24.10	32:40	0		
26.00	31.30	100		
27.20	11.30.00	200		
		300		
		400		
Let thermo		500		
down 55 fms,		600		
found 49.5		700		
		800		
(P)		900		
Big Vertical		1000		
100 fms out		1100		
		1200		
11.24 —	11.32.00	1300		
11.28 =	~~8 min.~~	1400		
	4 min.	1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Soledad Hill, S 34° E, 3 1/10'

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
4310	205	3700		
187	186	3800		
4123	19	3900		
	187	4000		
	206			

ok
H.B.

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		205		
50		19		
100		.6		
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507.

Arnfil

No. — Date 7 Mar 04

Sizshee Machine. Reel.

Turns 185 Cor. + 18 Depth 203 fms

~~Shot or~~ lead 36 #

Bottom

Bottom temperature 45.0

No. of thermometer 98242 Cor.

Corrected temperature

Air 67 Surface 61 Drift

~~Trawl or dredge~~

Am. SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11.43 45	50.50	0		
45.10	49.50	100		
46.10	49.00	200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
4310 - 185 = 4125	205 - 187 = 18 - 185 = 203	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:

H.W.R.

507. Temperatures only

No. Date Mar. 7 – '04

Sigsbee Machine. Reel.

Turns 50 Cor. + 5 Depth 55 fms

~~Shot or lead~~ 36 lbs

~~Bottom~~

~~Bottom~~ temperature 55 fms below surface 49°

No. of thermometer 98242 Cor.

Corrected temperature

Air 74° Surface 61° Drift

~~Trawl or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
pm DOWN.	pm UP.		DOWN.	UP.
12.31.00	12.35.10	0		
12.31.45	12.34.45	100		
		200		
temperature at		300		
55 fms below		400	49.0°	
surface		500		
		600		
49.0°		700		
		800		
pm	pm	900		
12.49.40	12.54.00	1000	at 50 turns or	
50.25	53.25	1100	55 fms below	
Temperature 49.1°		1200	surface	
		1300	49.1°	
Ahead at 12.55 pm		1400		
pm	pm	1500	after 91 turns of reel	
1.13.12	1.19.00	1600	or 100 fms below	
1.14.40	1.17.40	1700	surface temperature	
		1800		
		1900	is 48.0	
ahead 1.19 30		2000		
to next dredge		2100		
at 4321.		2200		
		2300		
		2400		

2—571

Dr 4321 4310 205

OK
HD.

		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:

507.

No. Dr. 4322 Date Mar. 7. 04

Sigsbee Machine. Reel.

Turns 100 Cor. + 10 Depth 110 fms

~~Shot or lead~~ 36 lbs

Bottom gn M, brk Sh

Bottom temperature ~~48° as on last page~~

No. of thermometer not used ~~Cor.~~ this time

Corrected temperature

Air 74° Surface 61° Drift { difference betn 22 and 23 -

Trawl ~~or dredge~~ 9' Tanner with weights and [illegible]

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
pm DOWN.	pm UP.		pm DOWN.	pm UP.
1.36.50	42.00	0	1.22.30	2.17.30
~~38~~.00	1.40.00	100	1.26.30	2.13.20
33.		200	1.30.30	2.08.30
		~~300~~ 302	1.35.00	2.04.00
		400	Time 29 m.	
		500		
		600	Fair haul	
		700	sea cucumbers	
		800	flounders	
		900	sea urchins	
		1000	and	
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Soledad Hill, S 34° E., 3 2/10'

(P)		2500		
Smith Vertical Net		2600		
over at	1.1900 fm	2700		
up at	1.2200 fm	2800		depth of 100 fm
		2900		
(P)		3000		
Surface Tow Net		3100		
over at	1.3800 fm	3200		
up at	2.08	3300		
(P)		3400		
Vertical large		3500		
over 1.35		3600		
to 100 fms depth		3700		
up at 1.39		3800		
		3900		
		4000		

Bar 29.86"
Therm at 72°

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
Surface sea				
25				
Fair visibility				
50				
At W, force 1				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507.

No. Date Mar. 7. '04

Sigsbee Machine. Reel.

Turns 160 Cor. + 16 Depth 176 fm

~~Shot or~~ lead 36 lbs

Bottom gr M

Bottom temperature

No. of thermometer not used Cor.

Corrected temperature

Air 74° Surface 61° Drift

~~Trawl or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
fm 1,46.00	fm 1,56.00	0		
1,47.10	1,54.30	100		
1,52.50	1,53.00	200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

4310	205	2500		
160	189	2600		
4150	16	2700		
	160	2800		
	176	2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

OK
HCO.
Sea smooth
N.W. force 1

SERIAL TEMPERATURES.

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

REMARKS:

507. H.W.R.

No. ~~[illegible]~~ Date Mar. 7 '04

Sigsbee Machine. Reel.

Turns 181 Cor. + 18 Depth 199 fm

~~Shot~~ or lead 3 lb.

Bottom sft, gn M

Bottom temperature 45.4°

No. of thermometer 98.242 Cor.

Corrected temperature

Air 72° Surface 63° Drift

~~Trawl or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
fm DOWN.	fm UP.		DOWN.	UP.
2.06.	2.10.00	0		
2.08	2.08.30	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

4310 205
181 189
4129 18

OK
HG.
(P)

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

Large Vertical Net
over at 2.10 to depth of 150 fms
in at 2.15 pm

Fair, misty, smoky
Wind N W
Force 1
Bar 29.86"
Therm at 72°

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. D4323. Date Mar. 7 '04

Sigsbee Machine. Reel.

Turns 206 Cor. + 21 Depth 227 fms

~~Shot or~~ lead 36 lbs

Bottom Sft, gn M

Bottom temperature

No. of thermometer not used. Cor.

Corrected temperature

Air 72° Surface 63° Drift SN 22° W 7/10'

Trawl or dredge 11' Tanner as before with mud bag

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2m 38.50	2. 46.00	0	2m 38.00	3. 36.00
2 39 45	2 43.00	100	2 41.45	3. 32.00
2 40 30	2. 40.40	200	2. 45.00	3. 27.00
		300	2. 49.00	3. 22.00
		360 400	2 52.10	3 17 38
		500		
30.10	1m5	600	Time 25 min 20 sec	
31.10		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

4310
206
4104

205
184
21
206
227

Soledad Hill
~~[illegible]~~ 6, 32/10'
SE.

OK
HCD.

Bar 29.86"
Therm att 72°
Sea smooth
Light airs from N, W^d
Fair, pleasant, hazy horizon

Surface –
– Tow Net over 2.46 p
taken in at 3.17 p.m.

(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:

H.W.R.

507.

No. Date Mar. 7, 04

Sigsbee Machine. Reel.

Turns 193 Cor. + 19 Depth 212 fm

~~Shot or~~ lead 36 lbs

Bottom Sp gr M & Brk Sh.

Bottom temperature

No. of thermometer not used Cor.

Corrected temperature

Air 72° Surface 63° Drift

~~Trawl or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3.02.00	3.07.10	0		
2.50	3.06.10	100		
3.04.00	3.05.10	200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

4310
193
4117

OK
HUD.

205
186
19
193
202

		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:

NWR

No. E 43223 Date Mar 7. 04

Sigsbee Machine. Reel.

Turns 175 Cor. + 18 Depth 193 fms

~~Shot or~~ lead 36 lbs

Bottom Sig M

Bottom temperature 45.8

No. of thermometer 98242 Cor.

Corrected temperature

Air 73° Surface 63° Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3.21.00	3.28.00	0		
3.21.40	3.25.00	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

4310
175
41 | 35

205
187
18
175
193

OK
HVO.

		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:

607. Arufil Anchorage off Pacific Beach.

No. Dr. 4324 Date Mar 7 04

Hand lead ~~Machine~~. Reel.

Turns Cor. + Depth 10 fms

~~Shot or~~ lead 9 lbs.

Bottom smooth sand (GM)

Bottom temperature —

No. of thermometer — Cor.

Corrected temperature

Air 69 Surface 63 Drift none

~~Trawl or dredge~~ 8 hand lines

Pm SOUNDING WIRE. DOWN.	UP.	TURNS.	Pm DREDGE ROPE. DOWN.	UP.
From 5.30 p.m. to 6.00 p.m.				
(P)		100		
		200		
Catch:		300		
1 Angel fish		400		
		500		
(X)		600		
At 6:30 p.m. set		700		
3 Lobster pots,		800		
bearing W. by N. ½ N., ship head the same,		900		
Hauled 6.30 am		1000	Nit	
		1100		
(X)		1200		
At 6.35 rigged out		1300		
electric bulb on		1400		
stbd side and used		1500		
3 dipnets.		1600		
		1700		
Finished at 9.06 p.m.		1800		
(X)		1900		
		2000		
At 7:35 lowered		2100		
small vert. Net to		2200		
bottom with electric light.		2300		
Up at 7.40 p.m.		2400		

= 5 Min.

2-671

Anchorage off Pacific Beach.
Soledad Hill, N 24° E., 3 1/10'-

OK
[illegible]

Fair & cool. Lt breeze from West.
Bar. 29.82
Thermo. att. 71
Smooth Sea long [illegible]
Slack water

		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:

507.

Anker 1

No. Dr. 4325 Date 8 Mar. 04

Sigsbee Machine. Reel.

Turns 175 Cor. + 16 Depth 191. fms

~~Shot or~~ lead 36 #

Bottom gr. m.

Bottom temperature 46.

No. of thermometer 98242 Cor.

Corrected temperature

Air 65 Surface 62 Drift (N 69° W 1 3/10'

Trawl ~~or dredge~~ 9' Tow., Sinker, 2 rots, Mud Bag.

A.M. SOUNDING WIRE. DOWN.	UP.	TURNS.	A.M. DREDGE ROPE. DOWN.	UP.
8.42.00	8.47.30	0	8.55.00	9.55.20
43.00	46.30	100	57.00	
8.43.40	8.45.40	200	9.02.30	
		300	06.00	
		375 400	9.08.30	9.40.00
		475 500	17.00	9.38.00
(P)		600	= 30 min.	
		700		
Vertical net, Sml. 150 fms down.		800	good haul	
		900		
8.42.00 — 8.48.00		1000		
45 = 6 min		1100		
9.41.00 — 9.55.00		1200		
48 = 14 min		1300		
(P) Surface Net:		1400		
8.54.00 — 9.38.00		1500		
= 44 min.		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Soledad Hill, SE., 4 4/10'

4310	205	2500		
175	189	2600		
4145	16	2700		
	175	2800		
	191	2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

OK
HOD

Clear (few cirrus clouds) and hazy.
Variable lt airs.
Bar. 29.88
Thermo. att. 64+
Smooth sea, long roll.

SERIAL TEMPERATURES.

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

REMARKS:

Anchor

No. — Date 8 Mar. 04.

Sigsbee Machine. Reel.

Turns 250 Cor. + 25 Depth 275 fms.

~~Shot or~~ lead 36 #

Bottom fine gy S.

Bottom temperature —

No. of thermometer none Cor.

Corrected temperature —

Air 65 Surface 62 Drift

~~Trawl or dredge~~

am.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9.09.15	9.17.00	0		
10.15	16.10	100		
11.05	15.20	200		
9.11.30	9.14.40	~~300~~ 250		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

4310	205	2500		
250	180	2600		
4060	25	2700		
	250	2800		
	275	2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
4310	205	3800		
		3900		
		4000		

OK
[illegible]

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. — Date 8 Mar. 04

Sigsbee Machine. Reel.

Turns 266 Cor. + 27 Depth 293 fms.

~~Shot or~~ lead 36#

Bottom fne. gy. S.

Bottom temperature

No. of thermometer — Cor.

Corrected temperature

Air 65 Surface 62 Drift

~~Trawl or dredge~~

fm. SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9. 29.00	9. 35.00	0		
30.00	34.10	100		
30.50	33.15	200		
9. 31.20	9. 32.30	266 300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

4310	205	2500		
266	178	2600		
4044	27	2700		
OK	266	2800		
NO.	293	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;

507.

No. E. 4325 Date 8 Apr

Sigsbee Machine. Reel.

Turns 265 Cor. + 27 Depth 292 fms

~~Shot or lead~~ 36 ℔

Bottom Sn. M.

Bottom temperature 43.

No. of thermometer 98242 Cor.

Corrected temperature

Air 65 Surface 62 Drift

~~Trawl or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9.41.05	9.48.55	0		
42.00	48.00	100		
42.45	47.00	200		
9.43.15	9.46.15	265 ~~300~~		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

OK
[illegible]

		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:

507.

Arctic

No. — Date 8 Mar. 94

Sigsbee Machine. Reel.

Turns Cor. + Depth 100 fms

~~Shot or~~ lead 36 ℔ no bottom

Bottom

Bottom temperature 48

No. of thermometer 982. Cor.

Corrected temperature

Air 67 Surface 62 Drift

~~Trawl or dredge~~

dm SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9.51.15	9.56.20	0		
52.20	55.20	91 ~~100~~		
		200		
		300		
Let down 25		400		
91 turns = 100 fms		500	for	
temperature		600		
fms 48°.		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700	97	
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

		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:

507.

Original

No. — Date 8 Mar 04

Sigsbee Machine. Reel.

Turns Cor. + Depth 50 fms.

~~Shot or~~ lead 36 ℔ no bottom

Bottom

Bottom temperature 51°

No. of thermometer 98242 Cor.

Corrected temperature

Air 67 Surface 62 Drift

~~Trawl or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
9.58	10.01.	45 ~~100~~		
		200		
		300		
		400		
Let down		500		
45 turns =		600		
50 fms;		700		
		800		
Temperature		900		
51°		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

		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:

507.

Arnfil

No. Dr. 4326 Date 8 Mar. 04

Machine. Reel.

Turns Cor. + Depth (280 fms)

Shot or lead depths est^d

Bottom Same position as

Bottom temperature E. 4325.

No. of thermometer Cor. West

Corrected temperature (~~S 89 W~~

Air 67 Surface 62 Drift 6/10'

Trawl ~~or dredge~~ as before

a.m. SOUNDING WIRE. DOWN.	UP.	TURNS.	a.m. DREDGE ROPE. DOWN.	UP.
10-06 a		0	10.06.30	11.02.00
see E. 4326.		100	10.20	57.40
		200	14.00	52.30
		300	17.30	—
		400	21.00	—
(P)		450 ~~500~~	10.23.00	10.37.00
		600	= 14 min.	
Surf Net		700		
10.09 — 10.37		800	Heavy strain, but	
= 28 m		900	even.	
(P)		1000	Not wrecked;	
Vert. Lge. 150 fms		1100	came up badly torn	
10.37 — 10.50		1200	and full of mud;	
43 - ~~15~~ min.		1300	when out of water	
7 "		1400	carried away completely,	
		1500	but came up with	
		1600	bridles of mud bag.	
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Soledad Hill, S 50° E., 5 6/10'

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

OK
H.O.D.
Same [illegible] as [illegible]

Clear and pleasant horizon hazy.
Lt. air from South. to lt. breeze fr. S.W.
Bar. 29.89
Thermo att. 63
Smooth sea, hazy swell
Numerous seaweeds.

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. — Date 8 Mar 04

Sigsbee Machine. Reel.

Turns 240 Cor. + 24 Depth 264 fms

~~Shot or~~ lead 36 ℔

Bottom Sft. Sn. M.

Bottom temperature

No. of thermometer — Cor.

Corrected temperature

Air 67 Surface 62 Drift

~~Trawl or dredge~~

Am.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.23.30	10.28.40	0		
24.20	27.50	100		
25.10	27.00	200		
10.25.30	1026.20	240 ~~300~~		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

4310	205	2500		
240	181	2600		
4070	24	2700		
OK	240	2800		
N.O.	264	2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
	240	3800		
	24	3900		
	264	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. —— Date 8 Mar. 04

Sirshee Machine. Reel.

Turns 219 Cor. + 22 Depth 241 fms.

Shot or lead 36 ℔

Bottom

Bottom temperature

No. of thermometer — Cor.

Corrected temperature

Air 67 Surface 62 Drift

~~Trawl or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.37.15	10.42.00	0		
38.15	41.15	100		
39.00	40.35	200		
10.39.10	10.40.00	300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

4310	205	2500		
219	183	2600		
4091	22	2700		
OK	219	2800		
NOO.	241	2900		
2		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
	219	3900		
	22			
	241	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.

Arkin

No. E. 4326. Date 8 Mar. 04

Sigsbee Machine. Reel.

Turns 221 Cor. + 22 Depth 243 fms

~~Shot or lead~~ 36 ℔

Bottom Sn. M.

Bottom temperature 44.°

No. of thermometer 98242 Cor.

Corrected temperature

Air 67 Surface 62 Drift

~~Trawl or dredge~~

am SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.44.00	10.50.00	0		
45.00	49.10	100		
45.45	48.15	200		
10.45.00	10.48.00	221 ~~300~~		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
	221 22 243	3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

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

REMARKS:

507.

No. Dr. 4327 Date 8 Mar. 04.

Sigsbee Machine. Reel.

Turns 239 Cor. + 24 Depth 263 fms.

Shot or lead 36 ℔

Bottom Sft. 5m. M.

Bottom temperature —

No. of thermometer — Cor.

Corrected temperature —

Air 72 Surface 62 Drift (N56°W 1/10'

Trawl ~~or dredge~~ 8' Tur. 3 wts (=135# shot), Sinker.

am SOUNDING WIRE. DOWN.	UP.	TURNS.	am DREDGE ROPE. DOWN.	pm UP.
11.14.00	11.19.30	0	11.15.00	12.12.30
15.00	18.30	100	—	12.08.05
16.00	17.30	200	23.30	
11. 16.10	11.17.00	239 300 b.	26.30	
		400	11.30.30	11.54.00
		425 500	— ? —	
		600		
(P)		700	good haul	
		800		
Vertical, Lie, 150 fms		900		
		1000		
11.20.00 — 11.24.00		1100		
= 4 min		1200		
11.55.00 — 12.03.00		1300		
(P) = 8 min.		100 fms out 1400		
Surf. Net:		1500		
11.22.30 — 11.55.00		1600		
= 33 min.		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Soledad Hill, S 54° E, 6 3/10'

4310	205	2500		
239	181	2600		
4071	24	2700		
OK	239	2800		
1100	263	2900		
2		3000		
		3100		
Clear. Horizon hazy.		3200		
Gentle breeze from S.S.W. (to light breeze)		3300		
Bar. 29.88		3400		
Therm. Air. 63		3500		
Smooth sea, long swell.		3600		
Several gulls.		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

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

REMARKS:

507.

Arthur

No. — *Date* 8 Mar. 04

Sigsbee *Machine.* *Reel.*

Turns 272 *Cor.* + 27 *Depth* 299 fms.

~~*Shot or lead*~~ 36 ℔

Bottom sft. gn. M.

Bottom temperature

No. of thermometer — *Cor.*

Corrected temperature

Air 72 *Surface* 62 *Drift*

~~*Trawl or dredge*~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11. 36.00	11.42.10	0		
37.00	41.10	100		
37.45	40.10	200		
11. 38.25	11.39.15	272 300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

4310	205	2500		
272	178	2600		
4038	27	2700		
8K	272	2800		
100	299	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:

507.

Fruit HWR.

No. E 4327 Date 8 Mar. 04.

Sigsbee Machine. Reel.

Turns 300 Cor. + 30 Depth 330 fms

~~Shot or lead~~ 36 #

Bottom sft gn M

Bottom temperature 43.5°

No. of thermometer 98242 Cor.

Corrected temperature

Air 76° Surface 62° Drift

~~Trawl or dredge~~

am SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	pm UP.		DOWN.	UP.
11.55.10	12 03.20	0		
55.55	02.25	100		
56.40	01.30	200		
11.57.30	12.00.30	300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

29.87–76 4310 205

4310	205	2500		
300	175	2600		
4010	30	2700		
OK	300	2800		
HCA	330	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:

507.

Hat R

No. Dr 4328 Date Mar 8. '04

Tanner Machine. Reel.

Turns 69 Cor. + 2 Depth 71 fm

~~Shot~~ or lead 26 lbs

Bottom fine gy S

Bottom temperature see second page 49.5°

No. of thermometer not used Cor.

Corrected temperature

Air 66° Surface 62° Drift (?)

Trawl ~~or dredge~~ 8' Tanner with numerous weights Sinker tail weight also tangle on tail

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
pm DOWN.	pm UP.		pm DOWN.	UP.
2.15 00	2.17.00	0	2.15.00	2.32.00
2.15 40	2.15.40	70 100	2.19.00	2.30
		196 ~~200~~	2.21.30	23
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

~~Two soundings preliminary to 4328 fine gy S, 8 fm gy S + M, 43 "~~

Net torn off the frame

frame lost with sinkers etc

few specimens adhered to net

torn net and tangle saved

2—571

Soledad Hill, S 40° E., 1 4/10'

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

Ok
H.O.D.
13

Barr 29 85"
Therm at 66°
Clear & pleasant, hazy horizon
Light breezes from S.E. and W.d. force 2-3
Smooth Sea
Long Swell from N.E.W.
Sea gulls hovering about ship
in large numbers near
floating Kelp

SERIAL TEMPERATURES.

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

REMARKS:

507. Same posit as preceding

No. _____ Date Mar 8 '04

Tanner Machine. Reel.

Turns 64 Cor. + 2 Depth 66 fm

~~Shot~~ or lead 26 lbs

Bottom S, blk M, brk Sh, brk R

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 66° Surface 62° Drift

~~Trawl or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
Am				
2.20.45		0		
2.21.30		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

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

OK
[illegible]

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 4328 Date March 8. '04

Tanner Machine. Reel.

Turns 56 Cor. + 1 Depth 57 fa

~~Shot~~ or lead 26 lb

Bottom gr M

Bottom temperature 49.5°

No. of thermometer 98242 Cor.

Corrected temperature

Air 66° Surface 62 Drift

~~Trawl or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
pm 2.25.00	pm 2.29.30	0		
25.40	2.27.10	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

OK
[illegible]

		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:

507.

No. Dr 4329 Date March 8, 04.

Tanner Machine. Reel.

Turns 126 Cor. + 2 Depth 128 fm

~~Shot or~~ lead 26 lbs

Bottom gy S & M mixed

Bottom temperature

No. of thermometer not used Cor.

Corrected temperature

Air 66° Surface 62° Drift (X 48° N 3/10'

Trawl ~~or dredge~~ 8' Tanner with box for weight

fm SOUNDING WIRE. DOWN.	fm UP.	TURNS.	fm DREDGE ROPE. DOWN.	fm UP.
2, 41. 30	2. 45. 00	0	2, 42. 00	3. 08. 00
2. 42. 50	2. 42. 50	100 bottom	2. 43. 30	3. 03. 20
		200	2 50. 00	2. 56. 00
(P)		300		
		400		
Surface Net		500	difficult bottom,	
over at 2. 50		600	occasional	
in at 2. 59		700	strain, necessitating	
time 9 m.		800	intermission in	
		900	heaving in	
		1000	Net again	
		1100	torn off the	
		1200	frame, apart,	
		1300	not torn, mohair	
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Soledad Hill, S 38° 30' E, 1 9/10'

472	4	2500		
126	2	2600		
346	2	2700		
OK	126	2800		
NVP	126	2900		
Bar 29.185"		3000		
Therm at 68°		3100		
Wind WSW		3200		
force 2-3		3300		
Fair pleasant, cloudy horizon		3400		
Swell from S 3/4 W		3500		
Sea smooth		3600		
Seagulls following ship		3700		
no other signs of		3800		
animal life in sight		3900		
Beds of kelp in sight.		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 4329 Date March 8 '04

Sigsbee Machine. Reel.

Turns 102 Cor. + 10 Depth 112 fms

~~Shot~~ or lead 36 fms

Bottom dk gn M

Bottom temperature

No. of thermometer not used Cor.

Corrected temperature

Air 66° Surface 62° Drift

~~Trawl or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
Fm DOWN.	Fm UP.		DOWN.	UP.
2. 52. 00	2. 55. 30	0		
2. 53. 00	2. 53. 10	100		
		200		
		300		
		400		
(P)		500		
Large Vertical Net		600		
		700		
over at 3. 30 to 25 fm		800 depth		
up at 3. 32		900		
		1000		
Surface net turned		1100		
at 3. 35		1200		
ahead at 3. 38		1300		
Bringing up from Wd		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

		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:

507

Arm/ci/

No. Dr. 4330. Date 9 Mar. 04.

Tanner Machine. Reel.

Turns 54 Cor. + 1 Depth 55 fms.

~~Shot or~~ lead 26 #

Bottom lt gm. S.

Bottom temperature

No. of thermometer — Cor.

Corrected temperature

Air 56 Surface 58 Drift { N 88° W 4/10'

Trawl ~~or dredge~~ 8' Tur., Sinker, 3 wts.

A.m. SOUNDING WIRE. DOWN.	UP.	TURNS.	Am. DREDGE ROPE. DOWN.	UP.
8.29.10	8.31.00	0	8.34.00	8.56.00
30.00	30.05	50 b. 100	38.00	8.43.30
		140 200	= 5 min.	
		300		
		400		
		500		
		600	Heavy strain, re-	
		700	girthing "8th mark"	
		800	on accumulator	
		900	scale.	
		1000	Net badly torn.	
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Off San Diego. –
Pt Loma Light, N 18° E., 10 8/10'

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

Fair; hazy on the line.
Gentle breeze from N.W.
Bar. 30.02
Therm. at. 60
Moderate swell, otherwise smooth
Numerous gulls.

SERIAL TEMPERATURES.

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

REMARKS:

Trial

No. — Date March 9 04

Tanner Machine. Reel.

Turns 56 Cor. + 1 Depth 57 fm.

~~Shot~~ or lead 26 ℔

Bottom Lt gn S

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 56 Surface 58 Drift

~~Trawl or dredge~~

Am

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8.38.20	8.40.05	0		
39.15	39.20	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		

OK
[illegible]

SERIAL TEMPERATURES.

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

REMARKS:

507.

Trawl

No. Dr 4331. Date 9 March 04

Tanner Machine. Reel.

Turns 56 Cor. + 1 Depth 57 fms

~~Shot or lead~~ 26 ℔

Bottom Lt gn & R.

Bottom temperature

No. of thermometer — Cor.

Corrected temperature

Air 65 Surface 59 Drift (S 84° W 6/10'

Trawl or dredge 9' Tm, Sinker, 2 rots.

am. SOUNDING WIRE. DOWN.	UP.	TURNS.	am. DREDGE ROPE. DOWN.	UP.
9.10.40	9.12.30	0	9.11.55	9.22.00
9.11.10	9.14.30	~~100~~ 71	9.14.20	
		200 (88)	~~9.16.40~~ ~~9.20.00~~	9.29.00
		300	= 15 min.	
		400		
		500		
		600	Net wrecked;	
		700	runners	
		800	slightly	
		900	bent.	
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Pt Loma Light, N 22° 30' E, 11!

OK
HOP.

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
Fair; Lazy around shore.		3100		
Lt. breeze from		3200	N.W.	
Bar. 30.02		3300		
Therm. att. 62		3400		
Moderate Swell		3500		
Numerous gulls.		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:

507.

Amfil

No. ——— *Date* 9 Mar 04

Tanner *Machine.* *Reel.*

Turns 55 *Cor.* + 1 *Depth* 56 fms

Shot or lead 26 ft

Bottom gy S. bkn Sh. bl Sp.

Bottom temperature

No. of thermometer — *Cor.*

Corrected temperature

Air 65 *Surface* 59 *Drift*

~~*Trawl or dredge*~~

Am SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9.20.30	22.00	0		
21.10	21.15	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

		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:

507.

Anikil

No. E 4331. *Date* 9 Mar.

Tanner *Machine.* *Reel.*

Turns 57 *Cor.* + 1 *Depth* 58

~~*Shot or lead*~~ 26

Bottom gy S R bk Sp.

Bottom temperature 50.5

No. of thermometer 98242 *Cor.*

Corrected temperature

Air 65 *Surface* 59 *Drift*

~~*Trawl or dredge*~~

am SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9.26.00	9.29.40	0		
26.40	29.00	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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

OK

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. 4332 Date 9 Mar. 04

Tanner Machine. Reel.

Turns 61 Cor. + ' Depth 62 fms.

~~Shot or lead~~ 26 K

Bottom gy S. R. Sh. Sp.

Bottom temperature —

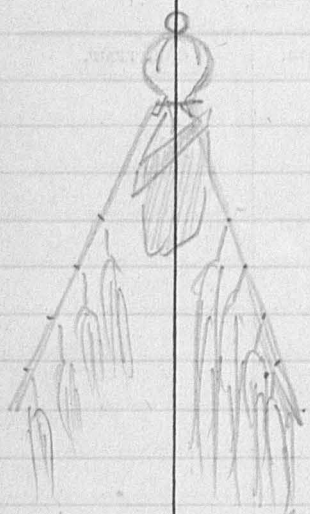
No. of thermometer — Cor.

Corrected temperature —

Air 65 Surface 59 Drift (S51°W 1.'

~~Trawl or dredge~~ 8 Tangle & Crabs of Mud Bars.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9.39.30	9.42.00	0	9.39.30	10.12.20
9.40.00	9.40.50	100 72	× 42.00	
		200 90	4.00	
		150	10.07.00	10.07.50
		300	25 min.	
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



Showing position of Mud Bar on tangle frame.

Pt Loma Light, N 25° E., 11 3/10'

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

OK
H.P.

Fair, hazy around shore.
Gentle breeze from W.S.W.
Bar. 30.03
Therm. att. 64
Moderate swell
numerous gulls

SERIAL TEMPERATURES.

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

REMARKS:

507.

Final

No. — Date 9 Mar 04

Tanner Machine. Reel.

Turns 95 Cor. + 2 Depth 97 fms.

~~Shot or lead~~ 36 ℔

Bottom fine gy S for. S

Bottom temperature

No. of thermometer — Cor.

Corrected temperature

Air 69° Surface 59° Drift

~~Trawl or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9.58.	10.01.30	0		
9.58.50	9.59.00	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

		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:

507.

Ami/Kiv

No. E. 4332. Date 9 Mar. 04

Tanner Machine. Reel.

Turns 180 Cor. + 3 Depth 183 fms.

~~Shot or~~ lead 26 ℔

Bottom fn gy S blk Sp.

Bottom temperature —

No. of thermometer — Cor.

Corrected temperature —

Air 69 Surface 59 Drift

Trawl or dredge

am. SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.08.00	10.13.30	0		
09.00	10.11.40	100		
10.09.30	10.10.00	180 ~~200~~		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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		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:

507.

No. Dr. 4333 Date 9 Mar. 04.

Sigsbee Machine. Reel.

Turns 274 Cor. + 27 Depth 301 fms

~~Shot or~~ lead 36 ℔

Bottom 5n M.

Bottom temperature —

No. of thermometer — Cor.

Corrected temperature —

Air 69 Surface 59 Drift (N 84° W 1 6/10'

Trawl ~~or dredge~~ 8' Tur., Sinker, 3 sml. Shots

Am. SOUNDING WIRE. DOWN.	UP.	TURNS.	Am. DREDGE ROPE. DOWN.	UP.
10.22.30	10.29.10	0	10.22.30	11.34.00
23.20	28.20	100	—	—
24.10	27.10	200	—	—
10.25.00	10.26.00	274. 300	10.33.20	—
		400	36.30	—
		450. 500	+ 38.30	—
		600	~~10.54.00~~	11.07.40
		700	=	30 min
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Vertical lge.
150 fms out
11.27 – 11.40
= 13 min.

Pt Loma Light, N 27° E., 12 2/10'

4310	205	2500		
274	178	2600		
4036	27	2700		
OK	274	2800		
Fair, hazy round		2900	Shore	
Gentle breeze from		3000		
Bar. 30.02		3100		
Thm. at 66.		3200		
Moderate Swell		3300		
		3400		
		3500		
		3600		
		3700		
	274	3800		
	27	3900		
	301	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. — Date 9 May 04

Sigsbee Machine. Reel.

Turns 375 Cor. + 36 Depth 412 fms.

~~Shot~~ or lead 36 ℔

Bottom Sn. M.

Bottom temperature 41.7

No. of thermometer 98242 Cor.

Corrected temperature

Air 69. Surface 57. Drift

~~Traul or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.42.00	10.52.40	0		
42.50	51.45	100		
43.40	50.50	200		
44.40	49.40	300		
10.45.30	10.49.30	375 400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

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4310		2500		
OK		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
4310	205	3700		
375	168	3800		
3935	37	3900		
	375	4000		
	412			

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 4333 Date 9 Mar. 04.

Sigsbee Machine. Reel.

Turns 445 Cor. + 42 Depth 487 fms

~~Shot or~~ lead 36 ℔

Bottom Sn. Mud.

Bottom temperature 40.1

No. of thermometer 98242 Cor.

Corrected temperature

Air 69 Surface 59 Drift

~~Trawl or dredge~~

am SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11.10.00	11.21.55	0		
10.45	20.55	100		
11.30	20.00	200		
12.20	18.55	300		
13.20	17.50	400		
11.14.00	11.17.00	455 500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

4310	205	2500		
445	163	2600		
3865	42	2700		
	445	2800		
	487	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:

507.

Same pro. as previously.

No. Date 9 Mar

Machine. Reel.

Turns 182 / 91 Cor. + 18 / 9 Depth 200 / 100 fms.

Shot or lead 36 ℔

Bottom

Bottom temperature 200 fms 45.5 and 100 fms 48.8

No. of thermometer 98242 Cor.

Corrected temperature

Air 69 Surface 59 Drift

~~Trawl or dredge~~ Sly. rime

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11.27.30	11.34.00	0	11.36.30	11.41.40
28.30	32.50	100 91	39.40	40.40
11.29.00	11.32.00	200 182		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Let down 182 turns = 200 fms. for temperature at that depth = 45.5°

Again let down 91 turns = 100 fms and found temperature = 48.8°

Serial Temper

2—571

		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:

507.

No. Dr 43,34 Date Mar. 9 '04

Sigsbee Machine. Reel.

Turns 480 Cor. + 45 Depth 525 fms

~~Shot~~ or lead 36 lbs

Bottom gn M

Bottom temperature

No. of thermometer not used Cor.

Corrected temperature

Air 65° Surface 60° Drift (S 83° W 8/10' Hailing

Trawl ~~or dredge~~ 8' Tanner with runner shots sinker

pm SOUNDING WIRE pm DOWN.	UP.	TURNS.	pm DREDGE ROPE pm DOWN.	UP.
1.04.10	1.15.20	0	1.10.00	2.37.00
1.09.00	1.09.15	100	13 30	4.10 32.30
		200	16.40	2.30.40 2.29.00
		300	20.00	2.27.00 2.25.00
		400	22 23.10	2.20.30
		500	4 30 26 20	2.17 16 30
		bottom 600	1.28 28.10 30.10	12.00
		700	32 10 34.12	8.00
		~~800~~ 750	1. 36.20	2.04.00
Vertical Net over		900		
at 2.04 } to		1000	Time 2 pm 40 sec	
in 2.07 } 150 fms		1100		
time out 13 m		1200	Good haul	
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Pt Loma Light, N 33° 30' E., 13 6/10.

4310	205	2500		
480	160	2600		
3830	45	2700		
OK	480	2800		
N.D.	525	2900		
Bar 29.96"		3000		
Therm att 69°.		3100		
Fair pleasant, hazy horizon		3200		
South force 1		3300		
Swell from W^d moder		3400		
Numerous gulls in attendance		3500		
No other life in sight		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:

507. same as preceding

No. — Date Mar 9 04

Sigsbee Machine. Reel.

Turns 495 Cor. + 46 Depth 541 fm

~~Shot or~~ lead 36 lbs

Bottom gn M

Bottom temperature

No. of thermometer not used Cor.

Corrected temperature

Air 65° Surface 60° Drift

~~Trawl or dredge~~

SOUNDING WIRE. fm		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1. 40. 00	1. 51. 20	0		
41. 50	1. 50 50	100		
42. 30	1. 49. 50	200		
43. 15	1. 48. 40	300		
44. 10	1. 46 50	400		
		~~500~~ 495		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

4310	205	2500		
495	159	2600		
3815	46	2700		
OK	495	2800		
	541	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:

507.

No. E 4334 Date Mar. 9. '04

Sigsbee Machine. Reel.

Turns 470 Cor. + 44 Depth 514 fms

~~Shot or lead~~ 36 lbs

~~Bottom~~ 40° Temperature

Bottom ~~temperature~~ traces fine S & gn M

No. of thermometer 98242 Cor.

Corrected temperature

Air 65° Surface 60° Drift

~~Trawl or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2 04.00	16.00	0		
05.00	14.30	100		
06.00	13.30	200		
07.00	12.30	300		
2 08.00	2 11.00	400		
		~~500~~ 470		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

4320	205	2500		
470	161	2600		
3850	44	2700		
OK	470	2800		
NOO.	514	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:

507.

Hew. R.

No. Dr 4335 Date Mar. 9. '04

Sig Machine. Reel.

Turns 457 Cor. + 43 Depth 500 fms.

~~Shot~~ or lead 36 lbs

Bottom gn M fne S

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 66° Surface 60° Drift (S. 83° W) 1.0'

Trawl ~~or dredge~~ 8' Tanner as before

SOUNDING WIRE. DOWN.	UP.	TURNS.	DREDGE ROPE. DOWN.	UP.
gm. 2.46 (see next page)		0	2. 41.30	4. 05.10
		100	2. 3. 30 / 2. 45. 30	4. 01.30
"Townsends		200	47. 45 / 2. 48.15	3. 58.00
"Closing Net"		300	49. 50 / 2. 51. 30	
		400	2. 55 40	
		500	2. 58. 00	
over at 3. 36. 00		600	59 20 / 3. 01. 00	
in at 3. 40		700	3. 04. 30	40 20 / 3. 37. 50
		750 ~~800~~	3. 06. 30	3 36. 30
lowered in 50 fms.		900	Time	
hoisted vertically		1000	going down 25 min.	
to 25 fms, and		1100	or 3m 20s pr 100 fms	
closed; took		1200	Remained down 30 min.	
messenger 11 seconds		1300	average speed	
to reach apparatus.		1400	coming up 4 min	
		1500	to 100 fms.	
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

Pt Loma Light, N 36° E., 14 1/10'.

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

OK
NOD.
Bar 29.97"
Therm att. 66°
Wind SW, force 1
Fair, pleasant & hazy
Swell moderating
Gulls following ship
no other signs of
animal life

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. ——— Date Mar. 9 - 04

Sigsbee Machine. Reel. 1

Turns 457 Cor. + 43 Depth 500 fms

~~Shot~~ or lead 36 lbs

Bottom gn M

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 66° Surface 60° Drift

~~Trawl or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
Pm 2, 41.00	Pm 2, 51.00	0		
2, 46.00	2, 46.00	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

4310	205	2500		
457	162	2600		
3853	43	2700		
OK	457	2800		
NCO	500	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:

507.

No. — Date Mar 9. 04

Sigsbee Machine. Reel.

Turns 485 Cor. + 45 Depth 530 fm

~~Shot or~~ lead 36 lbs

Bottom fin gy S

Bottom temperature

No. of thermometer not used Cor.

Corrected temperature

Air 64° Surface 68° Drift

~~Trawl or dredge~~

fm SOUNDING WIRE. fm		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3, 16.50	3.27.30	0		
17.40	3 25.00	100		
18.30	3 23 50	200		
19 10	3 21.30	300		
20 05	320.15	400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

4310	205	2500		
485	160	2600		
3825	45	2700		
OK	485	2800		
NOB	530	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:

507.

Kwt.R.

No. E 4335 Date Mar 9. '04

Sigsbee Machine. Reel.

Turns 479 Cor. + 45 Depth 524 fm

~~Shot or~~ lead 36 lbs

Bottom gn M

Bottom temperature 39.5°

No. of thermometer 98242 Cor.

Corrected temperature

Air 64° Surface 61° Drift

~~Trawl or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
fm DOWN. fm	fm UP.		DOWN.	UP.
3.37.00	3.50.30	0		
3 43.30	49.00	100		
	48.00	200		
	47.00	300		
	46.00	400		
	45.00	500		
	3 45 30	600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

4310	205	2500		
479	160	2600		
3831	45	2700		
OK	479	2800		
K20.	524	2900		
3		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:

607.

No. Dr. 4336. Date 10 Mar. 04

Sigsbee Machine. Reel.

Turns 474 Cor. + 44 Depth 518 fms.

~~Shot or~~ lead 36 #

Bottom Sm. M.

Bottom temperature —

No. of thermometer — Cor.

Corrected temperature —

Air 58 Surface 58 Drift (S 39° W 1 4/10'

Trawl ~~or dredge~~ 8' Tr., Sinker, 3 shots.

Am. SOUNDING WIRE. DOWN.	UP.	TURNS.	Am. DREDGE ROPE. DOWN.	UP.
9.19.20	9.29.10	0	9.27.00	10.46.15
20.10	28.10	100	—	43.10
20.55	27.10	200	33.00	39.10
21.40	26.10	300	36.40	—
22.30	25.20	400	40.00	—
9.23.20	9.24.30	474 500	43.15	—
		600 b.	46.30	—
		700 704	9.51.00	10.18.00
		800	=	27 min.
Surface Net		900		
9.43. —	10.09	1000		
= 26 min		1100		
		1200		
		1300		
		1400		
		1500		
Townsend's Closing:		1600		
10.24 —	10.24	1700	down at 10.21;	
10.30			at 150 " 10.26	
Let down to 150 fms.,		1800		
hauled up 50 fms.,		1900	messenger down at 10.30	
then closed (at 100 fms.)		2000	Surface at 10.37	
Messenger struck in		2100		
2 seconds.		2200		
		2300		
		2400		

Pt Loma Light, N 38°30' E., 14 8/10'.

4310	205	2500		
474	161	2600		
3836	44	2700		
OK	474	2800		
KUH	518	2900		
		3000		
Overcast, hazy, cool.		3100		
Gentle breeze fr		3200	S by W	
Bar.	30.02	3300		
Therm. at. 60		3400		
Gentle swell.		3500		
Number of penguins		3600		
		3700		
		3800		
	474	3900		
	44	4000		
	518			

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. 4336. Date 10 Mar. 04

Sigsbee Machine. Reel.

Turns 518 Cor. + 47 Depth 565 fms.

~~Shot or~~ lead 36 ℔

Bottom Sn. M.

Bottom temperature 39°

No. of thermometer 98242 Cor.

Corrected temperature

Air 60 Surface 57 Drift

~~Trawl or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10. 20.20	10.33.30	0		
21.05	32.25	100		
22.00	31.25	200		
22.55	30.25	300		
23.50	29.20	400		
24.50	28.20	500		
10. 25.00	10. 28.00	518 ~~600~~		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2—571

4310 205
518 158

3792 47
OK 518

565

518
47
565

75 90

100

up to 325 + 10%

350 + 34
375 + 36
400 + 38
425 + 41
450 + 42
500 + 46