H 6409
TO
H 6453 inclus.

Station No. H 6409 Date: Apl. 20 1916

Hour: 7:10 P.M. to 7:15 P.M.

Position: Lat. Long.

Locality: Colnett Bay, Lower Calif

Depth: 9 fms (hard line) Bottom: gy S blk Pt Sample:

Wind: Direction, Calm Force, 0

Sea: Ground swell Sky: Bkg - Ci Cu - 3

TEMPERATURES

Depth meters	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
5	R N-Z 98260	55.9	no stem thermometer	-.5	55.4		Ex #2
	L N-Z 71738	56.0		-.8	55.2		
10	R S-V 805	11.9	13.	+.9	11.98		#1
	L (R 160)	11.9	13.1	0	11.90		
15	R S-V 496	10.9	10.3	0	10.9		#4
	L S-V 494	~~11.2~~	~~10.2~~	—			
Surf.	N-Z 98573	55.9		-.3	55.6		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction
Surf						

Color of water: Transparency:

REMARKS: 11—5314

Stuart — Rec.

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
4' Inter.; #12 & #20 nets	9 ~~surf~~	7:42 p.	7:55	current
Vertical haul; ship at anchor, no tidal current running				

11—5314

NOTES

Thermo. down 5 m, 7:16 – 7:21

Sounding 7:48 – 7:51 = 19 meters, gy S bkt 77 (elec. machine)

Chart 1149

Cape Cod [illegible] beam N [illegible] N (true) distant 1.25 miles

Dan Tel [illegible] S 64 E " " 3.0 "

Surf. Temp.
corrected readings
6.30 wet 13.6
9.00 wet 15.2

Depth is fms. obtained from forward by gyrothermometer

hum 86

6.30 a.m. Apr. 21 Psychrometer W. ~~13.5~~ D 15.0

7.48 a.m. Apr. 21 surf. temp. (n.z. #98523) 56.2 [illegible]

water sample taken (~~[illegible]~~) hum

9.00 a.m. 4/21/16 Psych. W. ~~15.1~~ D. 16.6 – 86

surf. temp. (n.z. #98523) 55.1°

Water Sample taken (~~[illegible]~~)

Station No. H 6410 Date: Apr 21/16 191

Hour: 11 00 am a. M. to . M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf	N-Z 96523	56.8		-.3	56.5	×	—
					(c 13.61)		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: Sample taken while ship under way

Rank

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

"Sling" Psychrometer Wet ~~13.4~~ cor. 13.8 Dry 14.5
hum 93

Chart 1149

Left Tang
Cape Colnett Pt. N 20 W True
distant 4.5 miles

Station No. #6411 Date: April 21/46 191

Hour: 1:00 P. M. to ——— . M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf	N-Z 98523	58.9		-.3	58.6 (C 14.78)	x	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: Ship under way

Rawin

Cleaning

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Psychrometer W ~~13.1~~ now 13.2 D 15.0

hum 82

Chart 1149

dist 6.5

left Tang San Martin Id. 58° E True

~~Kenton Hill~~ S 38° E "

Camalu Pt. N 8° E "

Station No. H. 6412 Date: april 21 1912

Hour: 3:00 P. M. to . M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
surf.	nz 98523	58.0°		-.3	57.7 (c 14.28)	×	—

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: 11—5314

Ship under way - Shoper

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Psychrometer W. ~~14.8~~ 14.6 D. 16.0 hum. 86

Chart 1149

Lt Tang Cape San Quentin . N 79½ W True dist 1.5

Kenwood 27° NA

Sonoma 17. 57½ E

Station No. H 6413 Date: April 21 1916

Hour: 6.30 P. M. to 7:54 P. M.

Position: Lat. Long.

Locality: San Quentin Bay Lower Calif.

Depth: 13 meters Bottom: Gy S fne Sample:

Wind: Direction, N.W. Force, 2

Sea: S. Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
mt							
Surf	NZ 98523	57.2		-.3	56.9		
					(c 13.83)		
5	S-V 496	R 13.65	14.0	+0.2	13.85		#4
	S-V 494	~~L 13.7~~	~~14.1~~				
10 mt	S-V 805	R 13.4	13.8	0	13.4		#1
	R 150	L 13.4	13.8	+.05	13.45		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

C. E. DeLong.

NETS, ETC., USED

Description	Depth	TIME Down ~~AM~~	TIME Up ~~AM~~	Speed
4' Sinter #12 and #20 150# Weight		7:12	7:54	
no current vert. Haul				

11—5314

NOTES

Thermo down 645 up 651
anchored in 7 fms (PM morning line)

Electric lt. tried for 5 min. at 830 p.m. Caught larval fish. light leaked.

Chart 1149

Lt Tang cape San Quentin S77° W. True
dist 1.25

Poy W ~~13.4~~ 13.5 X 13.9 - Hmmd 96

Station No. H 6414 Date: April 22 1916

Hour: 7:15 a . M. to — . M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
surf.	NZ 98528	60.9	—	-.3	60.6	X	
				(C 15.89)			

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: 11—5314

Ship under way

Shape

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Psychrometer W. ~~13.6~~ 13.7 D. 14.8
humid. 89%

chart 1193

Baja Pt. bears N 47½ E (true) dist. 7.0

Station No. H 6415 Date: April 22 1916

Hour: 9:00 a. . M. to — . M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
surf.	nz. 98523	61.1°		-.3	60.8	×	
				(c 16.00)			

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: 11—5314

Ship under way

Shafer

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Psychrometer W. ~~14.7~~ 14.8 D. 15.7

91%

Chart 1193

San Antonio 21. bears N31 E (true) 12.5

Station No. H 6416 Date: april 22 191 6

Hour: 11 a. M. to . M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
surf	7-2.98523	61.8		-.3	61.5	X	—
					(c 16.39)		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: 11—5314

ship under way - draft

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Psychrometer
W. ~~111.0~~ D. 15.7
14.1
84%

Chart 1193

Canons Pt bears N 67E (true) 30.0

Station No. H 6417 Date: april 22 1916

Hour: 1:00 P. M. to ——— . M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
surf.	n 98529	62.1°		-.3	61.8	×	—
				(c 16056)			

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: 11—5314

Ship under way Shafer

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Psychrometer W. ~~15.0°~~ 15.1° D. 17.0°
81%

Chart 1193

Canoas St bears N 34 E (true) 39.5

Station No. H 6418 Date: april 22 191b

Hour: 3^00 P. M. to —— M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
surf.	N.Z. 95523	62.2°		-.3	61.9	x	—
				(C	16.61)		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: 11—5314

Ship under way - Shafer

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Psychrometer W. ~~15.0°~~ 15.1 D. 17.0

81%

Chart 1193

Left Long. Cerros Isl bears (S 60½ E) true 18.5
(E.B.R. June 26)

Station No. H 6419 Date: april 22 1916

Hour: 5.00 P. M. to ——— . M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
surf	N.Z. 98523	61.1°		-.3	60.8		
					(C 16.00)		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: 11—5314

Ship under way

Schafer

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Psychrometer W. ~~14.9~~ 15.0 D. 16.9° 81%

Chart 1193

Left Tom Cinos Del bears N 45½ E (true) 14.5

Station No. H 6420 Date: Apr 22 1916

Hour: 8.18 - P. M. to 9.15 P. M.

Position: Lat. Long.

Locality: So Bay, Cedros Id., Lower Cal.

Depth: 29 M (Elect. sdg mcha) Bottom: Hard — Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth (Meters)	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf	N-Z 98523	60.6		-.3	60.3 (c 15.72)		
5 R	N-Z 98256	60.2		-.4	59.8		#5
5 L	N-Z 62855	60.3		-.5	59.8		
10 R	S-V 497	15.45	15.1	+.05	15.50		#3
10 L	S-V 493	~~15.48~~	~~15.0~~ not working properly				
20 R	N-Z 98260	56.0		-.5	55.5 (15.05)		#2
20 L	N-Z 71738	56.2		-.8	55.4		
25 R	S-V 805	11.6	14.6	-.05	11.55		#1
25 L	R 150	11.6	14.8	-.05			
30 R	S-V 496	11.6	14.4	+0.05	11.65		#4
30 L	S-V 494	~~11.6~~	14.5	—			

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: 11—5314

Ship at anchor

Blaker

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
4' Inter, #12 and #20 150# wt		8:57	9.05	

11—5314

NOTES

Therms down 8.38 — Up 8.43 —
Anchored in 20 fms (Q.M. bearing line)

Elect light used —
Several anchovies caught
5 squid

Psychometer — W. ~~13.7°~~ 13.8 D. 15.5° 83%
7 30

On April 23, 9100 a.m., ship still at anchor
surf. temp. (n.z. 98523) — 60.8° 15.83 60.5
Water sample was taken
Psychometer W. ~~13.8°~~ 13.9 D. 16.6° 74%
Shifter

at 11:00 a.m. 14.1
Psychometer W. ~~14.0°~~ D. 16.1°
No water sample taken 80%

Chart 1310
Lt for Capitan Augustin bears N 80½ W (true) 2.10
Rt. for ss. and Cinos Del bears S 59 E (true) 3.5

Station No. H 6421 Date: april 23 1916

Hour: 1st P.M. . M. to . M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
surf	N2.98523	62.0		-.3	61.7 c-16.50	×	—

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: Ship under way

Shafer

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5214

NOTES

Psychrometer W. ~~14.8°~~ 14.9 D. 16.3° 86%

Chart 1310

Pt. San. Natividad Del Brava S 31½ E (true) 6.2

Station No. H 6422 Date: April 23 1916

Hour: 3rd P. . M. to . M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
surf	nz.98523	60.0°		-.3	59.7 1539	X	—

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

Ship under way

Shafts

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Psychrometer W. ~~14.6°~~ 14.7 D. 16.4°

84%

Chart 1310

Pt. San Eugenio bears N17E (true) 6.0

Station No. A. 6423 Date: Apl. 23 1916

Hour: 6:43 P.M. to 7:55 P.M.

Position: Lat. Long.

Locality: San Bartholome Bay, Mexico.

Depth: * 5½ fms. Bottom: fine gy S Sample:

Wind: Direction, WSW Force, 1

Sea: S. Sky: Fog Cis 2

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
7 Mets	R N-Z 98256	59.0	–	-.4	58.6 14.18		Ek 5
	2 N-Z 62855	59.0	–	-.5	58.5 14.15		
Surf	N-Z 98523	61.0		-.3	60.7 15.95		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: 11—5314

Fruitit – Rec.

14.64

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
4' Inter. ~~12~~ net ~~20~~ net		6.59 pm	7:55	
Towed to current for 56 min., ship at anchor.				

11—5314

NOTES

Thermos: 6:43 – 6:48 pm = 5 min

april 23-1916 — at anchor
5.00 P.M. Psychrometer W ~~14.6~~ 14.7 D 16.8 80%
Surf. temp. 61.0° (water sample taken)
April 24, 1916 → 60.7 15.95
At anchor
7.00 A.m. Psychrometer W. ~~13.7~~ 13.8 D 16.6
74%

* Depth in fms obtained forward by quartermaster

5½ fms = 10 meters (approx)

Chart 1204

Cape Tortolo bears S 52½ W (true) 0.6
Entrance Road bears N70 W (true) .9

Independent Stations April 24, 1916

A ¼ mile inside Entrance Road
B Half way bet. Kelp Pt. and nearest Pt (2) inside ½ mi. off shore
C " " " Pt. No 2 and Pt No 3 inside ½ " " "
D ⅓ dist. bet. Pt. No 3 and anchorage ½ " " "
E ⅔ " " " " " " ½ mi. " "
Note: Kelp Pt., "Pt No 2" and "Pt. No 3" are on N.W. side of San Bartolome Bay

a 9.25 am c 11.00 am.
b 9.45
c 10.10
d 10.40

Station No. H6424 Date: April 25 1916

Hour: 7:00 A. M. to —— . M.

Position: Lat. Long.

Locality: Lower Calif.

Depth: — Bottom: — Sample: —

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf	NZ 98523	55.9		-.3	55.6 13.11	X	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: Under way

Rankin

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Psychrometer W ~~14.4~~ 15.0 D 17.3

19 %

Chart 1310

Thurloe Hd bears N3 E (true) 5.2

Station No. H6425 Date: April 25 1916

Hour: 9 00 A. M. to ——— . M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf	NZ 98573	58.0		-.3	57.7	X	
					14.28		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: Under way

11—5314

Rankin

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Psychrometer W ~~13.3~~ 13.4 D 13.5

~~Foggy~~ 97%

Chart 1310

San Pablo Pt bears S 60 E (true) 9.7

Station No. H 6426 Date: April 25 1916

Hour: 1100 A. M. to . M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf	N7 98523	58.8		-.3	58.5 14.72	X	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: Sandy Way

11—5314

Rankin

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Tayeh. West D 15.4
14.7
Clear 97%

Chart 1310

Asuncion St bears N 61 E (true) 4.7

Station No. H 6427 Date: April 25 191 6

Hour: 1 pm P. M. to . M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf	NZ98573	59.0		-.3	58.7 (c 14.83)	X	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: Under way
Rankin

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Payehn. W ~~15.1~~ 15.2 D 16.0

91%

Chart 1310

San Hipolito Pt. bears N 38½ E (true) 2.2

Station No. H 6478 Date: Apr 25 1916

Hour: 2:01 P. M. to . M.

Position: Lat. Long.

Locality: San Hipolito Bay, Lower Cal

Depth: 7 fath Bottom: Co gy S. Sampler (Sigsbee sdg sod)

Wind: Direction, Force, 3

Sea: S Sky: hc

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
meters							
5	R: S-V 496	14.35	15.9	+0.15	14.50		EK4
	L S-V 494	14.34	15.9	—	—		
10	R: N-Z 98256	56.6	—	-.5	56.1		EK5
	L: N-Z 62855	56.7	—	-.6	56.1		
Surf	NZ 16523	58.4		-.3	58.1		
					14.60		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: 11—5314

De Long, rec.

back 20 fee.

NETS, ETC., USED

Description	Depth ~~met~~	TIME Down (P.M.)	TIME Up	Speed
4' Lutz and #12 & #20 150# Weight	10	2:48:00	3:21:00	

11—5314

NOTES

Water bottles:
Down 2:28:40
Up 2:33:40

At anchor
5 30 pm. Psychr. W ~~15.0~~ 15.1 D. 17.1 80%
No surf. temp. taken
8 00 pm Psychr. W ~~14.6~~ 14.1 D 16.7 80%
Surf. temp. 58.4 no sample
~~58.1~~ 14.50

* 7 fms. = 12 meters

Chart 1310

Left Inn Hipolito St. bears N 61 E (true) 1.0

Station No. H 6479 Date: April 26 1916

Hour: 7 00 A. M. to ——— . M.

Position: Lat. 25-40-30 N Long. 113-09-45 W

Locality: Off from Calif.

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf	NZ 98523	64.0		-.3	63.7 17.61	0	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: Under way
Rankin

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Psychr. W ~~15.5~~ 15.6 D. 16.5 89%

Aerinometer 1.023
" stem therm. 17.4

Chart 1493

Longitude 113° 10' 35" W
Latitude 25° 39' 20" N

Station No. H6430 Date: April 26 1916

Hour: 9 00 A. M. to ——— . M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf	72 98523	63.7		-.3	63.4 17.44	X	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: Under way
Rankin

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Temp W +5.5 15.6 D 17.6 81%

Chart 1493

Longitude 112° 56′ 35″ W
Latitude 25° 24′ 00″ N

Station No. H 6431 Date: April 26 1916

Hour: 11 RD A. M. to — . M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf	YZ98523	63.0		-.3	62.7 17.05	X	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: Under way Rankin

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Psych. W ~~16.9~~ 17.0 D 19.5 78%

Chart 1493

Hughes Pt. bears S 46 E (true) 32.7

Station No. H 6432 Date: April 26 191 6

Hour: 1 00 pm P. M. to — . M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf	NZ 98523	64.2		-.3	63.9 17.72	X	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: Underway Rankin

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Psychr. W ~~16.3~~ 16.4 D 18.1 85%

Chart 1493

Hughes Pt. bears S 61 E (true) 11.0 miles

Station No. H 6433 Date: April 26 1916

Hour: 3.00 P. M. to . M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf	NZ 98523	63.8		-.3	63.5 17.50	X	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: smoke ray

Rauch

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Psycho. W. ~~16.4~~ 16.5 D 18.9 78%

Chart 1006

San Lazaro Pt. bears N 7 W (true) dist 11.5 mi.

Station No. H 6434 Date: April 26 191 6

Hour: 6.38 P. M. to P. M.

Position: Lat. Long.

Locality: Magdalena Bay, Mex.

Depth: 32 M. (Elect. sdg mch.) Bottom: Fine sand Sample:

Wind: Direction, NW Force, 2

Sea: "6" Sky: hzy

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf	N-298573	62.9°		-.3	62.6	—	
					17.00		
5	R S-V 497	11.25?	16.6	—	—		#3
	L S-V 443	~~16.45~~	~~17.6~~	—	—		
10	R S-V 497	10.62	15.4	—	—		#3
	L S-V 443	14.22	15.7	—	—		
15	R S-V 496	13.15	15.6	+0.15	13.30		#4
	L S-V 494	13.25	15.9		—		
20	R N-298760	56.0	-	-.5	55.5 13.06		#2
	L N-271738	56.2	-	-.8	55.4 13.00		
25	R N-298756	56.0	-	-.5	55.5		#5
	L N-262855	56.0	-	-.9	55.1		
30	R S-V 805	13.0	14.8	-.05	12.95		#1
	L R 150	12.95	15.0	+.05	13.00		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: Ship at anchor

Blaker

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
		PM	PM	
4' Intern #12 + 20 150# wt		7:39	7:54	
Held against tide at depth of 10 meters				

11—5314

NOTES

PM PM

Therms down 7.07 7.27 Up 7.13 7.27

Anchored in 19 fms. (a.m. towing line)

Psych. W-~~15.5°~~ 15.6 D-17.2° 84%

April 27

a 4' shark, Scoliodon longurio (Jordan and Gilbert) was caught on a hand-line from ship's side.

Chart 1636

Entrada Pt bears N 17½ E (true) dist. 2.7 miles
Belcher Pt " N 86 W " " 1.6 "
Redondo Pt " S 76 E " " 4.5 "

Independent Stations (Launch) April 27 1916

A 1.5 mi. from shore, straight off Mt. Isabel
B 0.5 mi. " " " " Blue's Point.
C 0.5 " " " halfway bet. Blue's Point and Custom House
D 1.0 straight south from Delgada Point
E 5.5 mi. " " " Storm Pt

Station No. H6435 Date: April 28 1916

Hour: 7 30 A. M. to . M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf	N-298523	62.0	—	-.3	61.7 16.50	X	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: Under way
Rain

11—5314

1a 58.8 15.7 60.3 58.5

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Psych W ~~14.8~~ 14.9 D 15.7 91%

Chart 1664

Entrada Pt bears S 86 E (true) dist. 5.4 mi.

~~Cape Corso " N 8 W " 6.6~~

Station No. H 6436 Date: April 28, 1916

Hour: 9.00 A. M. to . M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf	N-298573	60.3		-.3	60.0 15:56	X	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: Lincoln Way Plankton

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Psycha. W ~~14.4~~ 15.0 D 16.4 86%

Chart 1493

Cape San Lazaro bears N. 6 E (true) dist. 4.8 mi.

Station No. H 6437 Date: April 28 1916

Hour: 11 00 am A. M. to . M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf	N-298523	63.2		-.3	62.9	X	
					17.17		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: Under way
Rain

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Psychr. W ~~+5.0~~ 15.1 D 16.7 84%

Chart 1493

Cape San Lazaro bears S 60 E (true) dist. 15.5 mi.

Station No. H 6438 Date: April 28 1916 191

Hour: 1 00 P. M. to . M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf	N-Z 98523	63.8		-.3	63.5 17.50		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: Under way
Rawlins

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Bayahr. W ~~W~~ D 18.2
15.8 77%

Chart 1493

Cape San Lazaro bears N 86 E (true) dist. 23.2 mi.

Station No. H 6439 Date: April 28, 1916 191

Hour: 3 00 P . M. to . M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf	N-298523	63.2		-.3	62.9 17.17	X	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: Under way
Rawlin

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Psych. W ~~15.3~~ 15.4 D 17.5 80%

Chart 1006

Cape San Lazaro bears N64E (true) dist. 23.0 mi.

Station No. H 6440 Date: April 28, 1916 191

Hour: 5 00 P. M. to . M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf	N-298523	64.0		-.3	63.7 17.61		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: Under my Rawlins

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Psychr. W ~~15.6~~ 15.1 D 17.6 87%

Chart 1006

Cape San Lazaro bears N 44 E (true) dist. 14.0 mi.

Station No. H 6441 Date: April 28, 1916 191

Hour: 7 00 P. M. to . M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf	N-298523	64.0		-.3	63.7 17.61		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: London Bay

Rain

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Psych: W ~~15.5~~ 15.6 D 18.1 77%

Chart 1006
Entrada Pt bears N 65½ E (true) dist. 12.0 mi

Station No. H6442 Date: April 29, 1916

Hour: 6:30 a . M. to . M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
surf	N.Z. 98523	66.0°	—	-.3	65.7 18.72	X	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: 11—5314

Ship under way

Shafer

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Psychrometer W. ~~16.4~~ 16.5 D. 19.5 73%

water sample taken

Chart 1664

Gasparino Pt. bears N 75 E (true) dist. 19.0 mi.

Station No. H 6443 Date: april 29 1916

Hour: 8:30 A.. M. to . M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
surf.	NZ 98593	67.0°	—	-.3	66.7 19.28	X	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: 11—5314

Ship under way
Shafer

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Psychrometer W. ~~15.5~~ 15.6 D. 18.9 71%

Chart 1664

Cape Falso bears S 58 E (true) dist. 15.0 mi.

Station No. H6444 Date: april 29 191 6

Hour: 10:30 a . M. to . M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
surface	N298523	68.5		-.3	68.2 20.11	X	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: 11—5314

Ship under way
Shafer

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Psychrometer ~~W 17.4~~ 17.5 D. 21.4 68%

Chart 1664

Cape Falso bears S 78½ E (true) dist 5.3 mi.

For bearings see under 6445 B p. 2

Station No. H 6445 (A) Date: Apr 29 1916

Hour: 1.05 P.M. to 2:25 P.M.

Position: Lat. Long.

Locality: San Lucas Bay, Mex

Depth: 27 Mo (Elect. adj. mehm) Bottom: Co & fne gy S Sample:

Wind: Direction, SW Force, 2.

Sea: Smooth Sky: Fog Ci S. 1

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf	N-Z 98523	71.5		-.3	71.2	X	
					21.78		
5	R N-Z 98760	69.3	-	-.4	68.9	X	EX 2
	L N-Z 71738	69.6	-	-.8	68.8		
10	R S-V 805	19.45	20.7	+.23	19.68	X	EX 1
	L R 150	19.4	20.9	+.16	19.56		
15	R N-Z 98256	65.0	-	-.4	64.6	X	EX 5
	L N-Z 62855	65.0	-	-.5	64.5		
20	R S-V 497	14.7?	20.4		17.83	X	EX 3
	L S-V 493	16.7?	20.7				
25	R S-V 496	19.7	21.4	+0.15	19.85	X	EX 4
	L S-V 494	19.65	21.4				

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: 11—5314

Arnkil - Rec.

*

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
4' Interm #12+20 150# wt	10 m	2:10 pm	2.25	
Vertical haul				

11—5314

NOTES

12 30 pm Psychr. W ~~19.0~~ 17.1 D 22.4 59%
Surf. 71.7 71.4 no sample
21.89

Anchored in 14 fms (gm) hauling

Thermo down 1:35 pm Up 1:40 pm

Psych. at 1.35 pm W ~~17.2~~ 17.1 D 22.0 62%

6:30 P.M. Psychrometer W. ~~16.4~~ 16.5 D. 20.4
surface temp. 69.9° no
(N.S. # 98523) 69.6 sample
taken

April 30
Ship still at anchor (H 6445)

	Psychrometer		Surf (no sample)	cor	
8 30 am	W ~~15.6~~ 15.7	D 20.5	66.0	..3	65.7
10 30 am	W 16.2	D 21.2	66.1		65.8
12 45 pm	~~16.9~~ 17.0	22.0	65.5		65.2

May 1
At anchor

6 45 am	W ~~15.0~~ 15.1	D 19.0	Surf. ~~60.9~~ (no sample)	60.6

Continued

Station No. H6445 (B) Date: May 1 1916

Hour: 1:8:25 P.M. to 1:15 P.M.

Position: Lat. Long.

Locality: San Lucas Bay

Depth: 27 m Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf	N-Z 98573	61.1		-.3	60.8 16.00	O	
5 m	RS-V 805	15.6	16.8	+0.13	15.73	×	Ex #1
	LR 150	15.6	17.1	+0.17	15.77		
10 m	RN-Z 98256	59.0	—	-.4	58.6 14.78	×	#5
	LN-Z 62855	59.0	—	-.5	58.5		
15 m	RN-Z 98260	58.9	—	-.5	58.4 14.67	×	" #2
	LN-Z 71738	59.0	—	-.6	58.4 14.67		
20 m	RS-V 497	* ~~8.65 (?) 36.2~~			?	O	" #3
	LS-V 493	~~14.2 (?) 15.2~~		—	.		
25 m	RS-V 496	14.15	16.2	+0.15	14.30	O	" #4
	LS-V 494	12.9	16.3	—	?		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: 11—5314

Ship remained at anchor at H6445, San Lucas Bay, April 30, May 1 and May 2

Rand

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

* Bottle #3 was not closed; R 8.65; L 14.2
" #4 " " "

Though depth recorded Apr. 29, with Sigsbee and our stem, was 27 meters, sounding with armed lead from davit showed depth of 22 meters on May 1.

Psyche 1 30 pm W ~~17.2~~ 17.3 D 22.5

Chart 1666

Obs. spot (near Custom House) bears N 70 W (true) dist. 5/8 mi.
Pt. San. Cabeza Ballena bears N 72 E (true) dist. 2 3/4 mi.

Station No. H6445 C Date: May 1 1916

Hour: 1:59 P.M. to 2:05 P.M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf	N-Z 98573	60.9		-.3	60.6 16:89	0	~~#~~
5m	R S-V 497	~~14.25? 16.0~~			X	×	~~5~~ #3
	L S-V 493	~~15.4 16.3~~					
10	R N-Z 98760	58.5	—	-.5	58.0 14.44	×	#2
	L N-Z 71738	58.9	—	-.6	58.3 14.61		
15	R N-Z 98756	57.8	—	-.4	57.4 14.11	×	#5
	L N-Z 67855	58.0	—	-.7	57.3		
20	R S-V 805	14.0	15.1	-.07	13.98	×	" #1
	L R 150	14.0	15.4	+.03			

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: 11—5314

Rantin

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Bottle #3 therm. R does not register properly

Oxygen. 2 05/min W ~~170~~ 17.1 D 21.8

Station No. H6445 D Date: May 1 1916

Hour: 3:00:15 P.M. to 3:06 .M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf	N-Z98573	60.6		-.3	60.3 (15.32)	X	
5 m	R N-Z98756	60.0	—	-.4	59.6 (15.33)	X	Bot #5
	L N-Z62855	60.0	—	~~-.4~~	~~59.6~~		
10	R N-Z98760	58.9	—	-.5	58.4 (14.67)	X	" #3
	L N-Z71738	59.0	—	-.6	58.4 (14.67)		
15	R S-V 496	14.6	15.4	+0.15	14.75	X	" #4
	L S-V 494	~~9.69~~	~~15.5~~		?		
20	R S-V 805	14.32	15.3	-.07	14.25	X	" #1
	L R 150	14.30	15.5	+.03	14.33		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: 11—5314

Bottle #4 was put in, in place of #3, since the latter did not seem to register properly. But #4 did not register right, either.
Rawlin

14.29 14.30

NETS, ETC., USED 1 ~~4~~ 2 3

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

3 05 pm

Oayahu. W ~~15.1~~ 15.2 D 20.9

Station No. H 6445 E Date: May 6, 1916 191

Hour: 4:01:35 P.M. to 4:06:40 P.M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf	N-298523	60.2		-.3	59.9 15.50	×	
5 meters	RS-V 805	15.09	15.5	+.15	15.24	×	Ex. #1
	LR 150	15.09	15.6	+.15	15.24		
10 "	RS-V 496	15.12	15.5	+0.17	15.29	×	" #4
	LS-V 494	5.49	15.6	?	?		
15 "	RN-298260	58.9	—	-.5	58.4 14.67	×	" #2
	LN-271738	59.0	—	-.6	58.4 14.67		
20 "	RN-298256	58.8	—	-.4	58.4 14.67	×	" #5
	LN-262855	58.9	—	-0.6 ~~-.4~~	58.3 14.61		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: 11—5314

Bottle #4 not used this time; superficial examination of thermometer from #3 and #4 shows that mercury does not always break in the same place. No remedy known at present.
Rand

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Psyche. 4 $\frac{05}{pm}$ W ~~14.4~~ 15.5 D 21.4

Station No. H 6445 F Date: May 1, 1916 191

Hour: 5:00; 05 P.M. to 5:06 P.M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf	N-298523	60.0		-.3	59.7 59.39	X	
5 meters	R N-298260	59.8	—	-.5	59.3 59.17	X	EK 5
	L N-271738	59.9	—	-.6	59.3 59.17		
10 "	R S-V 805	14.61	15.0	+0.05	14.66	X	#1
	L R 150	14.60	15.2	+0.1	14.70		
15 "	R S-V 496	14.40	15.2	+0.18	14.58	X	#4
	L S-V 494	0.6	15.4	?	?		
20 "	R N-298256	58.2		-.4	57.8 14.33	X	#5
	L N-263855	58.1		-.7	57.4		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: 11—5314

Rawlins

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Psych. 5 05 pm W ~~15.5~~ 15.6 D 21.4

Station No. H 6445 G Date: May 1 1916

Hour: 6:00 P.M. to 6:06 P.M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf	N-298573	60.0		-.3	59.7	X	
5 meters	R N-298560	59.5	14.90	-.5	59.0	X	Ex #2
	L N-271738	60.0	15.0	-.6	59.4		
10 "	R S-V 805	14.61	—	+0.05	14.66	X	" #4
	L R 150	14.62	—	+0.1	14.72		
15 "	R S-V 497	14.0	15.2	+0.03	14.03	X	" #3
	L S-V 493	~~9.79~~	~~15.2~~		?		
20 "	R N-298256	57.6	—	-.4	57.2	X	" #5
	L N-267855	57.8	—	~~-.4~~	57.4		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

Rawlins

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
4' inter #12 #20 without weight	cable out 15 meters	6 20 pm	6 45 p.m.	

11—5314

NOTES

Psychr. 6 00 pm W ~~15.3~~ 15.4 D 21.1

May 2, 1916
At anchor, H 6 45

6 30 am Psychr. W ~~11.8~~ 11.9 D 14.6
Surf. 58.8 -.3 58.5 14.72 no sample

8 30 am Psychr. W ~~15.4~~ 15.5 D 19.4 (in shade)
" (in sun) W ~~16.0~~ 16.1 D 20.2
Surf. 59.0 -.3 58.7 14.83 no sample

10 30 am Psychr. W ~~17.0~~ 17.1 D 21.5
Surf. 59.4 59.1 15.05 no sample

Station No. H 6446 Date: May 2 · 1916

Hour: 12:30 P. M. to — . M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf	~~H 248572~~	—		-3		X	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: Lengh May
Rauch

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Psych. W ~~18.2~~ 18.3 D 21.2

77%

Chart 622

Longitude 109° 56' 50" W

Latitude 22° 35' 10" N

Station No. H 6447 Date: May 2 1916

Hour: 7:30 P. M. to — . M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf	N-Z 98523	71.2		-.3	70.9 / 21.61	X Taken but wrongly labelled	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: Under way Rawlin

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Psych. W ~~18.7~~ 18.6 D 21.7

Chart 622

Long. 110° 02' 45" W

Lat. 22° 17' 10" N

Station No. H 6448 Date: May 2 1916

Hour: 4:30 P. M. to — . M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf	N-Z 98523	74.3		-.3	23.33 74.0	Taken but wrongly labelled	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: Under way Rankin

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Psych. W ~~18.5~~ 18.6 D. 22.0 72%

Chart 622

Long. 110° 8' 20" N
Lat. 21° 59' 00" N

Station No. H 6449 Date: May 2 1916

Hour: 6:30 P. M. to — . M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf	NZ 98523	75.0		-.3	23.72 74.7	X	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: Under way Rawlins

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Psych. W ~~18.2~~ 18.3 D 20.4 82%

Chart 622

Long. 110° 14' 25" W
Lat. 21° 41' 30" N

Station No. H 6450 Date: May 3 1916

Hour: 6:30 A. M. to — . M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf	N-Z98523	74.9		-.3	23.67 74.6	X	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: Under way
Ramsin

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Psych. W ~~18.2~~ 18.3 D 21.1

Chart 622

Long 110° 50' 00" W
Lat 19° 46' 20" N

Station No. H 6451 Date: May 3 1916

Hour: 8:30 A. M. to — . M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf	N-298523	74.5		-.3	23.44 74.2	X	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

Under way
Rauch

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Psych. W 18.5 D 22.4
18.6

Chart 1006

Long. 110° 41' 15" W
Lat 19° 20' 00" N

Station No. H 6452 Date: May 3 1916

Hour: 10:30 A. M. to — . M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf	N-298523	74.0		-.3	23.17 73.7	X	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: Under way Rankin

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Psychr. W ~~18.1~~ 18.2 D 22.8

Chart 1006

Long. 110° 48' 15" W
Lat 19° 1' 15" N

Station No. H 6453 Date: May 3 1916

Hour: 12:30 P. M. to —— . M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf	N-298523	76.4		-.3	24.5P 76.1	Taken but wrongly labelled	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Psych. W ~~14.2~~ 19.3 D 23.2

Chart 1006

Long 110° 50' 45" W
Lat 18° 40' 30" N

Bearing checked by R.P.R.

Therm. corrections all checked E.P.R.

Barometer & surface temperature checked J.P.S.