

H 6664

to

H 6690

Station No. *H 6664*Date: *July 18*191 *6*Hour: *8:23 a. M. to 8:43 a. M.*

Position: Lat.

Long.

Locality: *Smugglers Cove, Santa Cruz Id.*

Depth:

Bottom:

Sample:

Wind: Direction,

Force, *0-1*Sea: *S*Sky: *Q*

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>Surf.</i>	<i>Ranfoc 7486</i>	<i>16.0°</i>	<i>—</i>	<i>0</i>	<i>16.0 (60.8)</i>		
<i>5 M.</i>	<i>NZ 165868</i>	<i>#1-15.8°</i>	<i>16.2°</i>	<i>-0.02</i>	<i>15.757 (60.35)</i>		
	<i>NZ 165869</i>	<i>#2-15.8°</i>	<i>16.2°</i>	<i>-0.02</i>	<i>15.757 (60.35)</i>		
<i>10 M.</i>	<i>NZ 165871</i>	<i>#1- —</i>	<i>—</i>	<i>—</i>	<i>—</i>		
	<i>RTR 37572</i>	<i>#2-15.65°</i>	<i>16.1°</i>	<i>+0.04</i>	<i>15.69 (60.2)</i>		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-5314

C. E. DeLong
Recorder.

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Surface Nets # 12 ^{any} 000	Sur.	8:22	8:31	
Serial Closing Apparatus #1	5m.	8:23	8:39	
Serial Closing Apparatus #2	10m	8:23	8:43	

11-5314

NOTES

1st messenger down 8²²
 2nd messenger down 8³⁸

Psy W Wt~~6.0~~ D 18.1 82%
 16.1

Chart 5126 C. & G. S.
 (anchorage) The point south of
 Smuggler's Cove (Santa Cruz Island) bears
 S 52 W, distant 0.3 miles

Station No. *H 6664* Date: *July 18* 191*6*

Hour: *8:48 a. M.* to *9:06 a. M.*

Position: Lat. _____ Long. _____

Locality: *Smugglers Cove, Santa Cruz Id.*

Depth: _____ Bottom: _____ Sample: _____

Wind: Direction, _____ Force, *0-1*

Sea: *S* Sky: *B*

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>Surf</i>	<i>Ranfoc 1486</i>	<i>16.0°</i>	<i>—</i>	<i>0</i>	<i>16.0 (60.8)</i>		
<i>5-7M</i>	<i>NZ 165868</i>	<i>15-15.8°</i>	<i>16.2°</i>	<i>-0.05</i>	<i>15.75 (60.35)</i>		
	<i>NZ 165869</i>	<i>15-15.9°</i>	<i>16.2°</i>	<i>-0.05</i>	<i>15.85 (60.5)</i>		
<i>10-7M</i>	<i>NZ 165871</i>	<i>#1</i>	<i>—</i>	<i>—</i>	<i>—</i>		
	<i>Rtr 37572</i>	<i>15-15.6</i>	<i>16.2</i>	<i>+0.04</i>	<i>15.64 (60.15)</i>		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: _____ Transparency: _____

REMARKS:

11-5314

C. E. DeLong
Recorder.

NETS, ETC., USED

Description	Depth	TIME <i>am</i>		Speed
		Down	Up	
Surface Nets #12 and #000	0	8:46	9:01	
Serial Closing Apparatus #1	5m	8:48	9:03	
Serial Closing Apparatus #1	10m	8:48	9:06	

11-5314

NOTES

1st Messenger down at 8:48

2nd Messenger down at 9:03

Psy. W ~~16.2~~ D 18.2 82%

16.3

Station No. *H 6664* Date: *July 18* 1916

Hour: *9:12* a. M. to *9:30* . M.

Position: Lat. _____ Long. _____

Locality: _____

Depth: _____ Bottom: _____ Sample: _____

Wind: Direction, _____ Force, *0-1*

Sea: *2* Sky: *0*

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>Surf.</i>	<i>Ranfoc 7486</i>	<i>16.1°</i>	<i>—</i>	<i>0</i>	<i>16.1 (61.0)</i>		
<i>5 M.</i>	<i>NZ 165868</i>	<i>#1-15.8°</i>	<i>16.3°</i>	<i>-0.05</i>	<i>15.75 (60.35)</i>		
	<i>NZ 165869</i>	<i>#2-15.8°</i>	<i>16.3°</i>	<i>-0.05</i>	<i>15.75 (60.35)</i>		
<i>10 M.</i>	<i>NZ 165871</i>	<i>#1 —</i>	<i>—</i>	<i>—</i>	<i>—</i>		
	<i>Rtr 27572</i>	<i>#2 15.6</i>	<i>16.5</i>	<i>+0.04</i>	<i>15.64 (60.15)</i>		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: _____ Transparency: _____

REMARKS: _____

C. E. De Long
Recorder.

NETS, ETC., USED

Description	Depth	TIME <i>am</i>		Speed
		Down	Up	
Sur. Nets #12 - #000	0			
Serial Closing App. #1	5 M.	9:12	9:30	
Serial Closing App. #2	10 M.	9:12	9:28	

11-5314

NOTES

1st Messenger down at 9:12 am
 2nd Messenger down at 9:27 am

927

Psy W ~~16.2~~ 16.3 D 18.2 82%

12⁰⁰ 20m Psy. W ~~16.6~~ 16.7 D 19.4 77%
 Surf 16.2

Station No. *A-6664* Date: *July 18* 191*6*

Hour: *444* P. M. to *504* P. M.

Position: Lat. _____ Long. _____

Locality: _____

Depth: _____ Bottom: _____ Sample: _____

Wind: Direction, _____ Force, _____

Sea: _____ Sky: _____

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>Surf</i>	<i>Ranfoc 7486</i>	<i>16.2</i>	<i>-</i>	<i>0</i>	<i>16.2</i> <i>(61.2)</i>		
<i>5-M</i>	<i>NZ 165869 #1</i>	<i>16.0</i>	<i>17.0</i>	<i>-0.07</i>	<i>15.93</i> (<i>60.7</i>)		
	<i>NZ 165869 #2</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>		
<i>10-M</i>	<i>NZ 165871 #1</i>	<i>11.6</i>	<i>19.0</i>	<i>-0.14</i>	<i>11.46</i> (<i>52.6</i>)		
	<i>RTR 37572 #2</i>	<i>11.45</i>	<i>18.0</i>	<i>-0.06</i>	<i>11.39</i> (<i>52.5</i>)		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: _____ Transparency: _____

REMARKS:

11-5314

W.D. Baker
Rick

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Surf. net #12-000	-	4:44	4:56	
Serial clo. app	5-m	4:44	4:59	5.00
" " "	10-m	4:40	4:59	5.04

11-5314

NOTES

1st messenger down - 4:44 PM
 2^d " " - 4:59 PM
 Psy. W 15.6 D 17.1 87%
 15.7

Station No. *H-6664* Date: *July 18* 191*6*

Hour: *5.12 P.M.* to *5.32 P.M.*

Position: Lat. _____ Long. _____

Locality: _____

Depth: _____ Bottom: _____ Sample: _____

Wind: Direction, _____ Force, _____

Sea: _____ Sky: _____

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>Surf</i>	<i>Ranfoc 7486</i>	<i>16.3</i>	<i>—</i>	<i>0</i>	<i>16.3 (61.3)</i>		
<i>5-7M</i>	<i>NZ 165668 #1</i>	<i>15.8</i>	<i>15.8</i>	<i>-0.05</i>	<i>15.75</i>	<i>(60.35)</i>	
	<i>NZ 165669 #2</i>	<i>15.9</i>	<i>15.5</i>	<i>-0.05</i>	<i>15.85</i>	<i>(60.5)</i>	
<i>10-7M</i>	<i>NZ 165671 #1</i>	<i>12.1</i>	<i>18.0</i>	<i>-0.18</i>	<i>11.92</i>	<i>(53.45)</i>	
	<i>RTH 37572 #1</i>	<i>11.90</i>	<i>17.5</i>	<i>-0.05</i>	<i>11.85</i>	<i>(53.3)</i>	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: _____ Transparency: _____

REMARKS:

11-5314

W D Blaker
Recd

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Surf net #12-000	-	5.12	5.24	
Serial obs. app	5-20	5.12		
" " "		5.27	5.28	
" " "	10-70	5.12		
" " "		5.27	5.32	

11-5314

NOTES

1st messenger down - 5.12 PM
 2^d " " - 5.22 PM
 Psy. W~~15.4~~ 15.5 D 16.9 86%

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Surf net #12-000	—	7.11	7.23	
Serial Clo. app	5-7M	7.11		
" " "		7.26	7.27	
" " "	10-7M	7.11		
" " "		7.26	7.30	

11-5314

NOTES

1st messenger down - 7.11

2^d " " - 7.26

Psy. W & L Dig. 1 92%

15.2

Station No. *H-6664* Date: *July 18* 191*6*

Hour: *7.43 P.M.* to *8.03 P.M.*

Position: Lat. _____ Long. _____

Locality: *Santa Cruz Id.*

Depth: _____ Bottom: _____ Sample: _____

Wind: Direction, *South* Force, *1*

Sea: *9* Sky: *bry - S.S. - 9*

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>Surf</i>	<i>Panfic 7466</i>	<i>15.5</i>	<i>—</i>	<i>0</i>	<i>15.5 (59.9)</i>		
<i>5-M</i>	<i>NZ 165868 #1</i>	<i>15.4</i>	<i>15.4</i>	<i>-0.05</i>	<i>15.35 (59.6)</i>		
	<i>NZ 165869 #2</i>	<i>15.8</i>	<i>15.5</i>	<i>-0.05</i>	<i>15.75 (60.35)</i>		
<i>10-M</i>	<i>NZ 165871 #1</i>	<i>15.4</i>	<i>15.5</i>	<i>-0.1</i>	<i>15.3 (59.5)</i>		
	<i>Rtr 37572 #2</i>	<i>15.4</i>	<i>15.5</i>	<i>+0.04</i>	<i>15.44 (59.8)</i>		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: _____ Transparency: _____

REMARKS:

11-5314

W.D. Blaker
Rec'd

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Surf net #12-000	—	7.43	7.55	
Serial Clo. App	5-7m	7.43 7.58	7.59	
" " "	10-7m	7.43 7.58	8.03	

11-5314

NOTES

1st messenger down — 7.43
 2d — " " — 7.58

Psy W 52 D 16.3 90%
 15.3

Station No. *H. 6664* Date: *July 18* 1916

Hour: *8:12 P.M.* to *8:32 P.M.*

Position: Lat. _____ Long. _____

Locality: *Santa Cruz Id.*

Depth: *9 1/2 fms.* Bottom: _____ Sample: _____

Wind: Direction, *South* Force, *1*

Sea: *9.* Sky: *63-75-9*

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>SW</i>	<i>Ranfoc 7486</i>	<i>15.5</i>	<i>—</i>	<i>0</i>	<i>15.5 (59.9)</i>		
<i>5-7W</i>	<i>NZ 165868 #1</i>	<i>15.4</i>	<i>15.4</i>	<i>-0.05</i>	<i>15.35 (59.6)</i>		
	<i>NZ 165869 #2</i>	<i>16.7</i>	<i>15.5</i>	<i>-0.05</i>			
<i>10-7W</i>	<i>NZ 165871 #1</i>	<i>15.4</i>	<i>15.6</i>	<i>-0.1</i>	<i>15.3 (59.5)</i>		
	<i>RH 37572 #2</i>	<i>15.7</i>	<i>15.4</i>	<i>+0.04</i>	<i>15.24 (59.4)</i>		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: _____ Transparency: _____

REMARKS:

11-5314

*U. S. Pacific -
Reed.*

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Surf Net # 12-000	—	8:12	8:27	
Serial Clo app	5-7M	8:12	8:28 8:27	
" " "	10-7M	8:27	8:32 8:32	

11-5314

NOTES

10th messenger down — 8:12 p
 29 " " — 8:27 "

Psy. WTS + D16.2 95 %
 15.2

Station No. *H 6664* Date: *July 18* 191*6*

Hour: *8:44 P.M.* to *9:05 P.M.*

Position: Lat. _____ Long. _____

Locality: *Santa Cruz Id (Smugglers Cove)*

Depth: *9 1/2 fms* Bottom: _____ Sample: _____

Wind: Direction, *South* Force, *1*

Sea: *9* Sky: *bog - AS - 9*

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>Surf</i>	<i>Ranfex 7486</i>	<i>15.5</i>	<i>-</i>	<i>0</i>	<i>15.5 (59.9)</i>		
<i>5m</i>	<i>NZ 165868</i>	<i>1: 15.4</i>	<i>15.4</i>	<i>-0.05</i>	<i>15.35 (59.6)</i>		
	<i>NZ 165869</i>	<i>1: 16.7</i>	<i>15.5</i>	<i>-0.05</i>			
<i>10m</i>	<i>NZ 165871</i>	<i>1: 15.2</i>	<i>15.5</i>	<i>-0.1</i>	<i>15.1 (59.2)</i>		
	<i>RH 37572</i>	<i>2: 15.4</i>	<i>15.5</i>	<i>+0.04</i>	<i>15.44 (59.8)</i>		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: _____ Transparency: _____

REMARKS:

11-5314

W. B. Baker
Strait - Reed

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Surf. Net # 12 & over	—	8:44		
Sec. C to app.	5m	8:44	9:00 8:59	
" " "	10m	8:59	9:05 9:04	

11-5314

NOTES

1st messenger down 8:44 p
2d " " 8:59 "

Psy. W ~~15.1~~ D 16.1 92%
15.2

Station No. # 664 Date: July 18 1916

Hour: 9:13 P. M. to 9:34 P. M.

Position: Lat. Long.

Locality: Santa Cruz Id.

Depth: 9 1/2 fms. Bottom: Sample:

Wind: Direction, SW Force, 1

Sea: 9 Sky: 603-95-9

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
Surf	Ranfco 7486	15.8	—	0	15.8 (60.4)		
5m	NZ 165868	1: 15.7	15.3	-0.05	15.65 (60.2)		
	NZ 165869	2: 16.9	15.5	-	-		
10m	NZ 165871	1: 15.5	15.5	-0.1	15.4 (59.7)		
	Rtr 32572	2: 15.35	15.5	+0.04	15.39 (59.7)		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11-5314

W. D. Blaker
Franklin - Reed

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Surf Nets 12-000	—	9:13	9:20	
Surf Clo app	5m	9:13	9:28 9:28	
"	10m	9:28	9:34 9:33	

11-5314

NOTES

1 messenger down at 9:13 pm
2) " " " " 9:28

Psy. W ~~75.0~~ D16.1 90%
15.1

Station No. *H 6664* Date: *July 18* 191*6*

Hour: *9:41 P.M.* to *10:00 P.M.*

Position: Lat. _____ Long. _____

Locality: *Santa Cruz Id.*

Depth: _____ Bottom: _____ Sample: _____

Wind: Direction, *SW* Force, *1*

Sea: *g.* Sky: *bcz - 95-9.*

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>Surf.</i>	<i>Ranfco 7486</i>	<i>15.7</i>	<i>—</i>	<i>0</i>	<i>15.7 (60.3)</i>		
<i>5m</i>	<i>NZ 165868</i>	<i>1: 15.6</i>	<i>15.4</i>	<i>-0.05</i>	<i>15.55 (60.0)</i>		
	<i>NZ 165869</i>	<i>2: 16.6</i>	<i>16.4</i>	<i>-0</i>			
<i>10m</i>	<i>NZ 165871</i>	<i>1: 15.6</i>	<i>15.7</i>	<i>-0.1</i>	<i>15.5 (59.9)</i>		
	<i>RTR 37572</i>	<i>2: 15.4</i>	<i>15.5</i>	<i>+0.04</i>	<i>15.44 (59.8)</i>		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: _____ Transparency: _____

REMARKS:

Arutit Recorder.

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Surf. Nets 12-000	-	9.41	9.53	
Sev. Chs. App	5 m.	9.41	9.56	
" " "	10 m.	9.56	10.00	
			9.57	

11-5314

NOTES

1st messenger down 9:41 p.m.
 2d " " " 9:56

Psy. W ~~14.2~~ DIS. 8 91%
 14.8

Station No. *H 6665-*Date: *July 19*191 *6*Hour: *9:38 a.* M. to *10:17 a.* M.

Position: Lat.

Long.

Locality: *West of Southern End of Santa Cruz Island.*

Depth:

Bottom:

Sample:

Wind: Direction,

Force, *0-1*Sea: *S.*Sky: *☉*

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>Surf.</i>	<i>Ranfoc 7486</i>	<i>16.0°</i>	<i>—</i>	<i>0</i>	<i>16.0</i> <i>(60.8)</i>		
<i>30 M</i>	<i>NZ 165871</i>	<i>#1: 13.7°</i>	<i>16.0°</i>	<i>+0.13</i>	<i>13.57</i> <i>(56.4)</i>	<i>8C#2</i>	
	<i>Rtr 37572</i>	<i>#2: 13.5°</i>	<i>15.8°</i>	<i>0</i>	<i>13.5</i> <i>(56.3)</i>		
<i>40 M</i>	<i>NZ 98256</i>	<i>R: 53.0°</i>	<i>—</i>	<i>-0.6</i>	<i>52.4</i> <i>(11.33)</i>	<i>8C#3</i>	
	<i>NZ 62855</i>	<i>L: 53.0°</i>	<i>—</i>	<i>-0.9</i>	<i>52.1</i> <i>(11.17)</i>		
<i>50 M</i>	<i>S.V. 805</i>	<i>R: 11.2°</i>	<i>16.2°</i>	<i>-0.07</i>	<i>11.13</i> <i>(52.0)</i>	<i>8C#1</i>	
	<i>Rtr. 150</i>	<i>L: 11.4°</i>	<i>15.0°</i>	<i>-0.07</i>	<i>11.33</i> <i>(52.4)</i>		
<i>75 M</i>	<i>NZ 98760</i>	<i>R: 51.0°</i>	<i>—</i>	<i>-0.6</i>	<i>50.4</i> <i>(10.22)</i>	<i>8C#2</i>	
	<i>NZ 71738</i>	<i>L: 51.0°</i>	<i>—</i>	<i>-0.8</i>	<i>50.2</i> <i>(10.11)</i>		
<i>100 M</i>	<i>SV 497</i>	<i>R: 9.35°</i>	<i>14.2°</i>	<i>-0.11</i>	<i>9.24</i> <i>(48.6)</i>	<i>8C#3</i>	
	<i>NZ 164892</i>	<i>L: 9.45°</i>	<i>13.8°</i>	<i>-0.18</i>	<i>9.27</i> <i>(48.7)</i>		
<i>200</i>	<i>SV 496</i>	<i>R: 8.5°</i>	<i>11.8°</i>	<i>-0.07</i>	<i>8.43</i> <i>(47.2)</i>	<i>8C#4</i>	
	<i>NZ 164895</i>	<i>L: 8.7°</i>	<i>12.5°</i>	<i>-0.13</i>	<i>8.57</i> <i>(47.4)</i>		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS: *lying - to*

11-5314

C. E. DeLong
Recorder

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Serial Closing Apparatus #2	307m	9:44	10:05	
Surface #12 and #000	0	9:44	9:58	

11-5314

NOTES

1st Messenger down at 9:44 am
 2nd " " " 9:59 am

Psy. W #47 D 16.9 80%
 14.8

Chart 5200 C & G S
 drifted from

Left tangent Anacapa Island } at
 bears N 65° E ^{1^{mi}} distant 8.7 miles } 9:15
 a.m.

Lat. 33°-57'-12"
 Long. 119°-36'-24"

to

Lat. 33°-56'-42" } at 11¹⁵ a.m.
 Long. 119°-35'-30"

San Pedro Point, Santa Cruz
 Isl., bears N 34° E, distant
 6.2 miles (true)

Station No. *46665*Date: *July 19*

1916

Hour: *10:25 a. M. to 10:45 a. M.*

Position: Lat.

Long.

Locality: *West of Southern End of Santa Cruz Island.*

Depth:

Bottom:

Sample:

Wind: Direction,

Force, *0-1*Sea: *S*Sky: *B*

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>Surf.</i>	<i>Ranfex 7486</i>	<i>15.9°</i>	<i>—</i>	<i>0</i>	<i>15.9 (60.6)</i>		
<i>10 M.</i>	<i>N2 165868</i>	<i>#1-15.3</i>	<i>16.3</i>	<i>-0.06</i>	<i>15.24 (59.4)</i>		
	<i>N2 165869</i>	<i>#2-15.0</i>	<i>16.0</i>	<i>-0.06</i>	<i>14.94 (58.9)</i>		
<i>30 M.</i>	<i>N2 165871</i>	<i>#1-13.4</i>	<i>16.5</i>	<i>-0.14</i>	<i>13.26 (55.9)</i>		
	<i>ATR 37572</i>	<i>#2-13.2</i>	<i>16.0</i>	<i>0</i>	<i>13.2 (55.8)</i>		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS: *lying to*

11-5314

*C. B. DeLong
Recorder.*

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Surface Nets #12 and #000 Serial Closing Apparatus #1	0	10:25		
Serial Closing Apparatus #2	10M	10:26	10:42	
	30M	10:26		

11-5314

NOTES

1st messenger down at 10:26 am
 2nd " " " " 10:41 am

Psy. W. S. L. D 17.6 78%
 15.2

Station No. *H 6665*Date: *July 19*

1916

Hour: *10:50 a . M.* to *11:15 a . M.*

Position: Lat.

Long.

Locality: *West of Southern End of Santa Cruz Island.*

Depth:

Bottom:

Sample:

Wind: Direction,

Force, *0-1*Sea: *X*Sky: *B*

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>Surf.</i>	<i>Ranfoc 7486</i>	<i>16.0</i>	<i>-</i>	<i>0</i>	<i>16.0</i> <i>(60.8)</i>		
<i>10 M.</i>	<i>NZ 165868</i>	<i>#1-15.3</i>	<i>16.0°</i>	<i>-0.06</i>	<i>15.24</i>	<i>(59.4)</i>	
	<i>NZ 165869</i>	<i>#2-16.4</i>	<i>16.0°</i>				
<i>30 M.</i>	<i>NZ 165871</i>	<i>#1-12.7</i>	<i>16.5°</i>	<i>-0.15</i>	<i>12.55</i>	<i>(54.6)</i>	
	<i>RTY 37572</i>	<i>#2-12.45</i>	<i>16.0°</i>	<i>-0.07</i>	<i>12.43</i>	<i>(54.4)</i>	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS: *lying to*

11-5314

C. B. DeLong
Recorder

NETS, ETC., USED

Description	Depth	TIME <i>am</i>		Speed
		Down	Up	
Surface #12 and #1000	0	10:57	11:06	
Serial Closing Apparatus	10M	10:53	11:08	
Serial Closing Apparatus	30M	10:53	11:11	

11-5314

NOTES

1st Messenger down at 10:53 am
 2nd " " " 11:08 am

Psy. W ~~17.9~~ 15.0 D 17.4 78°/0

Station No. *H6666* Date: *July 19* 191*6*

Hour: *11:30* A. M. to - . M.

Position: Lat. *33°-56'-42"* Long. *119°-36'-06"*

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>Surf</i>	<i>Ranfoc 7456</i>	<i>16.3</i>	<i>-</i>	<i>0</i>	<i>16.3</i> <i>(61.3)</i>		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: *Under way*

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11-5314

NOTES

Psy. W ~~15.4~~ 15.5 DIS. 1 76%

Chart 5200 C. & G. S.

Rt. tangent ~~to~~ ^{true} Santa Cruz Is. bears N 37° E, distant 3.8 miles
^

Station No. *H 6667* Date: *July 19* 191*6*

Hour: *12:00* . M. to - . M.

Position: Lat. *33°-55'-48"* Long. *119°-38'-48"*

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>Surf</i>	<i>Ranfoc 7486</i>	<i>16.7</i>	<i>-</i>	<i>0</i>	<i>16.7</i> <i>(62.1)</i>	<i>X</i>	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: *Under way*

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11-5314

NOTES

Psy. W ~~14.3~~ D 16.5 80%
 14.4

Chart 5200 C. & G. S.
 Right tangent Santa Cruz Is.
 bears N 50.0° E, distant 6.1 miles

Station No. H 6668 Date: July 19 1916

Hour: 12:30 P.M. to - . M.

Position: Lat. 33°-54'-42" Long. 119°-42'-54"

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle- used
Surf	Ranfoc 7486	17.2	-	0	17.2 (63.0)	X	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: Under way

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11-5314

NOTES

Psy. W ~~13.9~~ D16.1 79%
14.0

Chart 5200 C. & G. S.
Left tangent Santa Cruz del.
bears N 64 W. distant 7.4 miles
True

Station No. H 6669

Date: July 19

1916

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

Position: Lat. $33^{\circ}-53'-36''$ Long. $119^{\circ}-46'-48''$

Locality:

Depth:

Bottom:

Sample:

Wind: Direction,

Force,

Sea:

Sky:

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
Surf	Ranfoc 7486	17.3	—	0	17.3 (63.1)	X	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS: Under way

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11-5314

NOTES

Psy. W 14.6 D 17.0 79%
 14.7

Chart 5200 C. & G.S.
 Left tangent Santa Cruz Isl.
 bears $N 42 W$ distance 6.8 miles
 True

Station No. *H6670* Date: *July 19* 191*6*

Hour: *1:30* P. M. to - . M.

Position: Lat. *33°-53'-18"* Long. *119°-50'-36"*

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>Surf</i>	<i>Ranfoc 7486</i>	<i>17.1</i>	<i>—</i>	<i>0</i>	<i>17.1</i> <i>(62.8)</i>	<i>1</i>	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: *Under way*

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11-5314

NOTES

Psy. $W 13.9$ $D 16.1$ 79%
 14.0

Chart 5200 c. & G.S.
 East Point of Santa Rosa del
 bears N 64 W distance 6.8 miles
 True

Station No. H 6671

Date: July 19

1916

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

Position: Lat. 33°-54'-06" Long. 119°-54'-54"

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
Surf	Ranfoc 7496	17.4	-	0	17.4 (63.3)	1	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: Under way

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
	32	12	33	

11-5314

NOTES

Psy. WT 3.7 DIS. 9 79%
13.8

Chart 5200 C. & G. S.
East Point of Santa Rosa del.
bears N 49 W distant 3.6 miles
True

Station No. *H 6672* Date: *July 19* 191*6*

Hour: *7:30* P. M. to - . M.

Position: Lat. *33°-54'-12"* Long. *119°-59'-00"*

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>Surf</i>	<i>Ranfoc 7486</i>	<i>17.3</i>	<i>—</i>	<i>0</i>	<i>17.3</i> <i>(63.1)</i>	<i>X</i>	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: *Under way*

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11-5314

NOTES

Psy, W ~~44~~ D 16.1 81%
14.2

chart 5200 C. & G.S.
East Point of Santa Rosa Isl.
bears N 19E distant 2.3 miles
True

Station No. H16673

Date: July 19,

1916

Hour: 3:00 P.M. to -

. M.

Position: Lat. 33°-54'-00" Long. 120°-03'-12"

Locality:

Depth:

Bottom:

Sample:

Wind: Direction,

Force,

Sea:

Sky:

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
Surf	Ranfco 7456	15.1	—	0	15.1 (59.2)	x	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS: Under way

11-5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11-3314

NOTES

Psy. W ~~74.1~~ D 14.2 81%
 14.2

Chart 5200 C. & G. S.
 South Point of Santa Rosa Isl.
 bears S 81 W distant 3.3 miles
 True

Station No. H 6674

Date: July 19

1916

Hour: 3:30 P.M. to -

. M.

Position: Lat. 33°-53'-54" Long. 120°-05'-24"

Locality: Johnson's Is., Santa Rosa Id.

Depth:

Bottom:

Sample:

Wind: Direction,

Force,

Sea:

Sky:

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
Surf	Ranfoc 7486	15.2	—	0	15.2 (59.4)	X	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS: Anchored

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11-5314

NOTES

76 Psy. (3 ³⁰)

6 ⁰⁰ pm Psy. ^{15.0} W 14.9 D 16.7 84%
 Surf. 16.2 (sample)

July 20

8 ⁰⁰ am Surf 15.4

Chart 5200 C. & G. S.
 South Point of Santa Rosa Is.
 bears S 74 W. distant 1.4 miles
 True

Station No. H 6675

Date: July 20

1916

Hour: 8:20 A.M. to . M.

Position: Lat. 33°-53'-24" Long. 120°-05'-06"

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
Surf	Ranfoc 7486	14.5			14.5 (58.1)		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: Under way

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
5-07-081	44	2	1	

11-5314

NOTES

no pay

Chart 5200 C. & G. S.
 South Point, Santa Rosa Isl.,
 bears $N 85 W$ distant 1.7 miles

Station No. H 6676

Date: July 20

1916

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

Position: Lat. 33°-52'-18" Long. 120°-04'-18"

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
Surf	Ranfoc 7486	15.1	-	0	15.1 (59.2)	X	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: Under way

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11-5314

NOTES

74 Fgy

Chart 5200 C.T.S.
 South Point, Santa Rosa Is.
 bears $N\ 58^\circ\ W$, distant 2.5 miles
 True

Station No. *H6679*Date: *July 20*191 *6*Hour: *8:40* A. M. to - . M.Position: Lat. *33°-51'-12"* Long. *120°-04'-12"*

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>Surf</i>	<i>Ranfco 74456</i>	<i>15.5</i>	<i>—</i>	<i>0</i>	<i>15.5</i> <i>(59.9)</i>	<i>x</i>	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: *Under way*

11-5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11-5314

NOTES

No psych.

Chart 5200 C. & G.S.
South Point (Santa Rosa del)
bears $N 46 W$ distant 3.4 miles
True

Station No. *H6678* Date: *July 20* 191*6*

Hour: *8:50* A. M. to *-* . M.

Position: Lat. *33°-49'-36"* Long. *120°-03'-30"*

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>Surf</i>	<i>Ranfoc 7456</i>	<i>14.4</i>	<i>-</i>	<i>0</i>	<i>14.4</i> <i>(57.9)</i>	<i>X</i>	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: *Under way*

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11-5314

NOTES

No psyc.

Chart 5200 C. & G. S.
 South Point, Santa Rosa Isl.,
 bears $N 37^{\circ} W$, distant 4.9 miles
 True

Station No. 146679 Date: July 20 1916

Hour: 9:25 a. M. to 9:55 a. M.

Position: Lat. Long.

Locality:

Depth: 120-Mrs Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
Sur	Ranfoc 7456	14.2	—	0	14.2 (57.6)		
10-M	NZ 165871 #1	13.7	14.8	-1.1	13.59 (56.5)		
	RTR 32572 #2	13.5	14.2	+0.03	13.53 (56.35)		
20-M	NZ 98256 R	53.7	—	-0.6	53.1 (11.72)	#5	
	NZ 62855 L	54.0	—	-1.0	53.0 (11.67)		
40-M	SV 805 R	11.0	13.0	-0.04	10.96 (51.7)	#1	
	RTR 150 L	11.05	12.5	-0.03	11.02 (51.8)		
50-M	NZ 98260 R	51.5	—	-0.6	50.9 (10.5)	#2	
	NZ 71738 L	51.5	—	-0.8	50.7 (10.39)		
75-M	SV 497 R	8.6	12.5	-0.1	8.5 (47.3)	#3	
	NZ 164892 L	8.9	12.3	-0.13	8.77 (47.8)		
100-M	SV 496 R	8.65	12.9	-0.1	8.55 (47.4)	#4	
	NZ 164892 L	8.85	12.5	-0.13	8.72 (47.7)		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS: Lysing to

11-5314

W. D. Blaker
Recd

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Surf net #12#000	—	9.25		
Serial Clo. App-#2	10-74	9.25 9.40	9.42	

11-5314

NOTES

1st messenger down - 9.25 AM

2^d " " - 9.40 AM

Psy W ~~13.6~~ 13.7 D 15.0 87%

drifted from Chart 5200 C. & G. S.

at { Lat. 33-48-30
 9:00 } Long. 120-03-12
 a.m. { South Point, Santa Rosa Is.
 bears N 33 W distant 6.0 miles
 True

to

at { Lat. 33-47-48
 3:30 } Long. 120-00-36
 P.M. { South Point, Santa Rosa Is.
 bears N 44 W dist. 7.8 miles
 True

Station No. H-6679 Date: July 20 1916

Hour: 10⁰⁵ a. M. to 10²⁶ a. M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
Surf	Ranfex 7486	14.2	—	0	14.2 (57.6)		
30-TM	NZ 165868 #1	11.8	13.8	-0.07	11.73 (53.1)		
	NZ 165869 #2	11.9	14.0	-0.08	11.82 (53.3)		
50-TM	NZ 165871 #1	10.9	14.8	-0.15	10.75 (51.35)		
	HY 37572 #2	10.76	14.0	-0.02	10.73 (51.2)		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

W.D. Blaker
Rec'd

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Surf net # 12-000	—	10.05	10.17	
Serial Clo. App # 1	50-7m	10.05	10.20	
" " " # 2	50-7m	10.05	10.21	
		10.20	10.26	

11-5314

NOTES

1st messenger down — 10⁰⁵ AM
 2^d " " — 10²⁰ AM

Psy. W ~~14.0~~ 14.1 D 15.3 89%

Station No. *H-6679* Date: *July 20* 191*6*

Hour: *10⁵⁶* a. M. to *10⁵⁶* a. M.

Position: Lat. _____ Long. _____

Locality: _____

Depth: _____ Bottom: _____ Sample: _____

Wind: Direction, _____ Force, _____

Sea: _____ Sky: _____

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>Surf</i>	<i>Ranfoc 7486</i>	<i>14.4</i>	<i>—</i>	<i>0</i>	<i>14.4 (57.9)</i>		
<i>30-M</i>	<i>NZ 165868 #1</i>	<i>12.9</i>	<i>14.9</i>	<i>-0.08</i>	<i>12.82 (55.1)</i>		
	<i>NZ 165869 #2</i>	<i>13.2</i>	<i>15.0</i>	<i>-0.07</i>	<i>13.13 (55.6)</i>		
<i>50-M</i>	<i>NZ 165871 #1</i>	<i>11.95</i>	<i>15.0</i>	<i>-0.14</i>	<i>11.81 (53.3)</i>		
	<i>ATR 37572 #2</i>	<i>11.75</i>	<i>14.5</i>	<i>0</i>	<i>11.75 (53.15)</i>		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: _____ Transparency: _____

REMARKS: _____

W. P. Blake
Pic's

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Surf Net #12-000	—	10.36	10.48	
Serial Cl. App #1	30-7W	10.36		
		10.51	10.52	
" " #2	50-7W	10.36		
		10.51	10.56	

11-5314

NOTES

1st messenger down - 10.36 AM2^d " " - 10.51 AMPsy. W ~~14.6~~ 14.7 D 16.7 81%

Station No. *H-6679* Date: *July 20 1916*

Hour: *11⁰³* a. M. to *11²³* a. M.

Position: Lat. _____ Long. _____

Locality: _____

Depth: _____ Bottom: _____ Sample: _____

Wind: Direction, _____ Force, _____

Sea: _____ Sky: _____

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>Surf</i>	<i>Ranfco 7466</i>	<i>14.4</i>	<i>—</i>	<i>0</i>	<i>14.4 (57.9)</i>		
<i>50-M</i>	<i>N2 16566 #1</i>	<i>12.8</i>	<i>14.0</i>	<i>-0.07</i>	<i>12.73 (54.9)</i>		
	<i>N2 16566 #2</i>	<i>13.3</i>	<i>15.0</i>	<i>-0.07</i>	<i>13.23 (55.8)</i>		
<i>100-M</i>	<i>N2 16567 #1</i>	<i>8.90</i>	<i>15.2</i>	<i>-0.14</i>	<i>8.76 (47.8)</i>		
	<i>RTF 37572 #2</i>	<i>8.70</i>	<i>14.2</i>	<i>-0.04</i>	<i>8.66 (47.6)</i>		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: _____ Transparency: _____

REMARKS: _____

*W.D. Blake
Reid*

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Surf net #12-000	-	11.03	11.15	
Serial bts App #1	50-7m	11.03		
		11.18	11.20	
" " #2	100-7m	11.03		
		11.18	11.23	

11-5314

NOTES

1st messenger down - 11⁰³ AM
 2^d " " " - 11¹⁸ AM

Psy. W ~~14.6~~ 14.7 D 16.6 81%

Station No. H-6679 Date: July 20 1916

Hour: 11:51 a.m. to 11:51 a.m.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
Surf	Ranfco 7466	15.3	—	0	15.3 (59.5)		
50-70	NZ 165565 #1	12.6	14.6	-0.28	12.32 (54.2)		
	NZ 165569 #2	13.7	14.7	-0.06	13.64 (56.55)		
100-70	NZ 165571 #1	8.90	14.7	-0.14	8.76 (47.8)		
	RH 37572 #2	8.70	14.0	-0.14	8.56 (47.6)		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: 11-5314

W. B. Baker
Rec'd

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Surf net # 12-000	—	11.31	11.43	
Serial blo. app # 1	50-7m	11.31		
		11.46	11.48	
" " " # 2	180-7m	11.31		
		11.46	11.51	

11-5314

NOTES

1st messenger down - 11⁵¹ AM
 2d " " " - 11⁴⁶ AM

Psy. W ~~14.5~~ 14.6 D16.1 85%

Station No. *H-6679* Date: *July 20* 191*6*

Hour: *12:40 P.M.* to *1:01 P.M.*

Position: Lat. _____ Long. _____

Locality: *off Santa Rosa Id.*

Depth: _____ Bottom: _____ Sample: _____

Wind: Direction, *West* Force, *2*

Sea: *S* Sky: *03-95-10*

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>Surf.</i>	<i>Ranfex 7486</i>	<i>14.7</i>	<i>-</i>	<i>0</i>	<i>14.7 (58.5)</i>		
<i>50m</i>	<i>N2 165868</i>	<i>1: 12.8</i>	<i>14.2</i>	<i>-0.07</i>	<i>12.73 (54.9)</i>		
	<i>N2 165869</i>	<i>2: 12.9</i>	<i>14.0</i>	<i>-0.06</i>	<i>12.84 (55.1)</i>		
<i>100m</i>	<i>N2 165671</i>	<i>1: 8.9</i>	<i>14.3</i>	<i>-0.17</i>	<i>8.53 (47.7)</i>		
	<i>HR 37572</i>	<i>2: 8.25</i>	<i>13.8</i>	<i>-0.04</i>	<i>8.21 (46.8)</i>		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: _____ Transparency: _____

REMARKS:

Arnkil-

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Surf Nets of 12 @ 000	-	12:40	12:55	Lay 5
Ser. Clo. App. # 1	50 m	12:40	12:57	"
" " " 2	100 m	12:55	1:01	"
			1:00	"

11-5314

NOTES

Lay 6:

1st messenger down at 12:40 pm.

2d " " " 12:55 "

Psy. W ~~14.6~~ 16.6 81%
14.7

4735

Station No. *H. 6679* Date: *July 20* 191*6*

Hour: *1:11 P.M.* to *1:24 P.M.*

Position: Lat. _____ Long. _____

Locality: *off Santa Rosa Id.*

Depth: _____ Bottom: _____ Sample: _____

Wind: Direction, *West* Force, *2*

Sea: *2* Sky: *03 - 95 - 10*

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>Surf.</i>	<i>Ranfoc 7446</i>	<i>14.5</i>	<i>-</i>	<i>0</i>	<i>14.5</i> <i>(58.1)</i>		
<i>75 m</i>	<i>N2 165868</i>	<i>1: 10.1</i>	<i>14.9</i>	<i>-0.05</i>	<i>10.05 (50.1)</i>		
	<i>N2 165869</i>	<i>2: 8.7</i>	<i>14.8</i>	<i>-0.13</i>	<i>8.57 (47.4) ?</i>		
<i>100 m</i>	<i>N2 165871</i>	<i>1: 9.3</i>	<i>14.3</i>	<i>-0.14</i>	<i>9.16 (48.5)</i>		
	<i>Rtr 37572</i>	<i>2: 9.1</i>	<i>13.8</i>	<i>-0.03</i>	<i>9.07 (46.3)</i>		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: _____ Transparency: _____

REMARKS:

11-5314

Stratig -

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Surf Nets # 12-2 000		1:11 ^{pm.}	1:26	
Sec Clo App. # 1	75m	1:11	1:29 1:28	
Sec Clo App # 2	100m	1:26	1:34 1/2 1:34	

11-5314

NOTES

Lay to:

1st messenger down 1:11 pm

2nd " " 1:26 "

Psy. W ~~14.4~~ 14.5 D 16.1 84%

Station No. *H-6679* Date: *July 30* 191*6*

Hour: *1:44 P.M.* to *2:03 P.M.*

Position: Lat. _____ Long. _____

Locality: *off Santa Rosa Id.*

Depth: _____ Bottom: _____ Sample: _____

Wind: Direction, *West* Force, *1*

Sea: *S* Sky: *'03-95-10*

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>Surf.</i>	<i>Ranfex 7456</i>	<i>14.1</i>	<i>-</i>	<i>0</i>	<i>14.1 (57.4)</i>		
<i>75 m.</i>	<i>N2 165668</i>	<i>1: 10.1</i>	<i>13.8</i>	<i>-0.05</i>	<i>10.05 (50.1)</i>		
	<i>N2 165669</i>	<i>2: 10.1</i>	<i>13.8</i>	<i>-0.11</i>	<i>9.99 (50.0)</i>		
<i>100 m.</i>	<i>N2 165971</i>	<i>1: 9.0</i>	<i>14.2</i>	<i>-0.14</i>	<i>8.86 (46.5)</i>		
	<i>RTR 37572</i>	<i>2: 8.8</i>	<i>13.5</i>	<i>-0.03</i>	<i>8.77 (46.6)</i>		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: _____ Transparency: _____

REMARKS:

11-5314

ATNKil-

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Surf. Nets # 12 & 000	surf.	1:41	1:56	Lay 6
Sec. Cl. App. # 1.	75 m.	1:41	2:00 1:58	"
" " # 2.	100 m.	1:56	2:03 1/2 2:03	"

11-5314

NOTES

Lay to.

1st messenger down 1:41

2d " " 1:52

Psy. WITH 1 D 16.6 77%

14.2

47.95
47.80

Station No. *H-6679* Date: *July 20* 191*6*

Hour: *7:10* P. M. to *7:30* P. M.

Position: Lat. _____ Long. _____

Locality: *off Santa Rosa Id.*

Depth: _____ Bottom: _____ Sample: _____

Wind: Direction, *West* Force, *1*

Sea: *S* Sky: *3-PS-10*

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>Surf</i>	<i>Ranfke 7456</i>	<i>14.0</i>	<i>-</i>	<i>0</i>	<i>14.0 (57.2)</i>		
<i>50m</i>	<i>N2 165868</i>	<i>1: 11.0</i>	<i>14.0</i>	<i>-0.09</i>	<i>10.91 (51.6)</i>		
	<i>N2 165869</i>	<i>2: 11.0</i>	<i>14.0</i>	<i>-0.11</i>	<i>10.89 (51.6)</i>		
<i>75m</i>	<i>N2 165871</i>	<i>1: 13.4</i>	<i>15.2</i>	<i>-0.12</i>	<i>13.28 (55.9)</i>		
	<i>Rtr 37572</i>	<i>2: 13.0</i>	<i>14.3</i>	<i>+0.02</i>	<i>12.98 (55.4)</i>		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: _____ Transparency: _____

REMARKS: _____

Strickil -

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Snaf. Nets # 12 & 000	Surf.	2:10	2:25	Lay to
Social Cl. App. 1	50 m	2:10	2:27 2:26	"
" " " 2	75 m	2:10	2:30 2:26	"

11-5314

NOTES

Lay to

1st messenger down 2:10 pm.

2nd " " 2:25 "

Psy. W ~~7.4~~ D 16.1 84%

14.5

Station No. *H-6679* Date: *July 20* 191*6*

Hour: *2:38* P. M. to *3:00* P. M.

Position: Lat. _____ Long. _____

Locality: *of Santa Rosa Id.*

Depth: _____ Bottom: _____ Sample: _____

Wind: Direction, *West* Force, *1*

Sea: *S* Sky: *03-95-10*

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>Surf.</i>	<i>Ranfco 7486</i>	<i>15.0</i>	<i>-</i>	<i>0</i>	<i>15.0</i> <i>(59.0)</i>		
<i>50m</i>	<i>N2 165868</i>	<i>1: 10.1</i>	<i>14.7</i>	<i>-0.06</i>	<i>10.04 (50.1)</i>		
	<i>N2 165869</i>	<i>2: 7.6</i>	<i>14.8</i>	<i>-0.18</i>			
<i>75m</i>	<i>N2 165871</i>	<i>1: 9.9</i>	<i>14.8</i>	<i>-0.13</i>	<i>9.77 (49.6)</i>		
	<i>Rtr 37572</i>	<i>2: 9.0</i>	<i>14.0</i>	<i>-0.05</i>	<i>8.97 (46.1)</i>		<i>2</i>

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: _____ Transparency: _____

REMARKS: _____

ATOKI -

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Surf. Nets # 12 & 000	Surf.	2:38	7:53	Lay to
Sec. Cl. App. # 1	50 m	2:38	2:55 1/2	"
" " " # 2	75 m	2:38	2:57 1/2	"
" " " # 2	75 m	2:38	3:00 1/2	"
" " " # 2	75 m	2:38	3:57 1/2	"

11-5314

NOTES

Lay to.

1st messenger down 2:38 pm.

2nd " " 2:53 "

Psy. W + 4.5 D 15.6 90%

14.6

Station No. *H-6679* Date: *July 20* 191*6*

Hour: *3:09* P. M. to *3:29* P. M.

Position: Lat. _____ Long. _____

Locality: *off Santa Rosa Id.*

Depth: _____ Bottom: _____ Sample: _____

Wind: Direction, *West* Force, *1*

Sea: *S* Sky: *03-AS-10*

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>Surf.</i>	<i>Ranfoc 7486</i>	<i>15.10</i>	<i>—</i>	<i>0</i>	<i>15.10</i> <i>(59.2)</i>		
<i>30m</i>	<i>NZ 165868</i>	<i>1: 12.1</i>	<i>14.7</i>	<i>-0.09</i>	<i>12.01</i> (<i>53.6</i>)		
	<i>NZ 165869</i>	<i>2: 12.1</i>	<i>14.7</i>	<i>-0.06</i>	<i>12.02</i> (<i>53.6</i>)		
<i>50m</i>	<i>NZ 165871</i>	<i>1: 10.0</i>	<i>15.0</i>	<i>-0.13</i>	<i>9.87</i> (<i>49.8</i>)		
	<i>Rtr 37572</i>	<i>2: 9.8</i>	<i>14.0</i>	<i>-0.02</i>	<i>9.78</i> (<i>49.6</i>)		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: _____ Transparency: _____

REMARKS: _____ 11-5314

Arnkil-

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Surf. Nets # 12 & 000	Surf.	3:09	3:24	1/2 knot
Sec. Ch. App. # 1	30 m.	3:09	3:25 1/2	"
" " " # 2	50 m.	3:09	3:29	"
			3:25	"

11-5314

NOTES

Lay to.

1st messenger down at 3:09 p.m.

2nd " " " 3:24 "

Psy. W +4.4 D 16.6 80%

14.5

Station No. *H-6680* Date: *July 20* 191*6*

Hour: *6:00 P.* M. to - . M.

Position: Lat. *33°-54'-18"* Long. *120°-03'-42"*

Locality: *Anchorage, Santa Rosa Id.*

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>Surf.</i>	<i>Ranfoc 7486</i>	<i>16.1</i>	<i>-</i>	<i>0</i>	<i>16.1 (61.0)</i>		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11-5314

NOTES

Psy. WT ~~3.7~~ 13.8 D 15.2 86%

July 21, 1916

8⁰⁰ am Psy. WT ~~3.7~~ 13.3 D 14.2 90%
Surf 15.7

Chart 5200 C. & G. S.

(anchorage)
South Point, Santa Rosa deli;
bears S 75° W dist. 2.7 mi.
1/2 mi

Station No. *H-6681* Date: *July 21* 191*6*

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

Position: Lat. *33°-52'-42"* Long. *120°-04'-24"*

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>Surf</i>	<i>Ranfco 7496</i>	<i>16.0</i>	<i>—</i>	<i>0</i>	<i>16.0</i> <i>(60.8)</i>		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: *Under way*

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
<i>Faint handwritten text</i>	<i>Faint handwritten text</i>			
<i>Faint handwritten text</i>	<i>Faint handwritten text</i>			
<i>Faint handwritten text</i>	<i>Faint handwritten text</i>			

11-5314

NOTES

Psy. W ~~7.4~~ 13.5 D 11.4 91%

Chart 5200 C. & G. S.
 South Point of Santa Rosa Isl.
 bears N 70° W dist. 2.5 miles
 True

Station No. *H 6682*Date: *July 21*

1916

Hour: *9:00* A . M. to - . M.Position: Lat. *33°-48'-54"* Long. *120°-04'-00"*

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>Surf</i>	<i>Ranfoc 7486</i>	<i>16.2</i>	<i>—</i>	<i>0</i>	<i>16.2</i> <i>(61.2)</i>		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS: *Under way*

11-5314

Station No. 6683

Date: July 21

1916

Hour: 9:30 A. M. to

. M.

Position: Lat.

Long.

Locality:

Depth: 215 meters Bottom:

Sample:

(Sounding taken with small dredge, and
Wind: Direction, Force, 0-1 (120th shot)Sea: λ Sky: \emptyset

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
Surf	Ranfco 7496	15.6°	—	0	15.6 (60.1)		
50 M	NZ 165968	#1 10.1°	14.5°	-0.13	9.97 (47.9)	2C#2	
	Rtr 37572	#2 9.9°	14.0°	-0.02	9.88 (49.8)		
60 M	NZ 99256	R: 49.5°	—	-0.7	48.8 (9.33)	2C#3	
	NZ 62855	L: 49.5°	—	-1.0	48.5 (9.57)		
75 M	NZ 99260	R: 49.0°	—	-0.7	48.3 (9.05)	2C#2	
	NZ 71738	L: 49.0°	—	-0.8	48.2 (9.00)		
100 M	SV 805	R: 8.8°	11.8°	-0.05	8.75 (47.75)	2C#1	
	Rtr 150 (?)	L: 7.5°	12.0°	-0.09	7.41 (45.3)		
150 M	SV 497	R: 8.5°	12.2°	-0.1	8.4 (47.1)	2C#3	
	NZ 164892	L: 8.6°	12.0°	-0.13	8.47 (47.25)		
200 M	SV 496	R: 7.9°	11.2°	-0.04	7.82 (46.1)	2C#4	
	NZ 164895	L: 8.1°	11.8°	-0.13	7.97 (46.3)		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-5314

C. E. Red Long
Recorder

NETS, ETC., USED

Am.

Description	Depth	TIME		Speed
		Down	Up	
Surface nets #12 and #000	0	9:48	10:05	
Serial Closing apparatus #2	50 m	9:49	10:08	

11-5314

NOTES

1st messenger down at 9:49 am
2nd messenger down at 10:04 am

Psy. W ~~11.5~~ 14.6 D 16.2 84%

chart 5200 C. & G. S.

drifted from

position
 Lat. 33-46-18"
 Long. 120-03-48"
 South Point of Santa Rosa Is.
 bears $\sqrt{21-130}$ W, distant 7.7 miles
 at 9²⁰ A.M.

to

position
 Lat. 33-46-18"
 Long. 120-02-24"
 South Point of Santa Rosa
 Is. bears $\sqrt{29}$ W dist 8.3 mi
 at 10⁵⁰ A.M.

Station No. *H6683*Date: *July 21*

1916

Hour: *10:12* . M. to *10:50* a . M.

Position: Lat.

Long.

Locality:

Depth:

Bottom:

Sample:

Wind: Direction,

Force, *0-1*Sea: *S*Sky: *Q.*

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>Surf.</i>	<i>Ranfoc 7496</i>	<i>15.6</i>	<i>—</i>	<i>0</i>	<i>15.6 (60.1)</i>		
<i>10 M</i>	<i>N2 165871</i>	<i>#1-12.7°</i>	<i>15.9°</i>	<i>-0.14</i>	<i>12.56(54.6)</i>		<i>#2 B.C.D.</i>
	<i>Rtr 37572</i>	<i>#2-12.45°</i>	<i>15.5°</i>	<i>-0.01</i>	<i>12.44(54.4)</i>		
<i>15 M</i>	<i>N2 62855</i>	<i>L: 54.5°</i>	<i>—</i>	<i>-1.0</i>	<i>53.5(11.95)</i>		<i>#5-El</i>
	<i>N2 98256</i>	<i>R: 54.5°</i>	<i>—</i>	<i>-0.5</i>	<i>54.0(12.22)</i>		
<i>20 M</i>	<i>N2 71738</i>	<i>L: 54.2°</i>	<i>—</i>	<i>-0.8</i>	<i>53.7(12.05)</i>		<i>#2-El</i>
	<i>N2 98260</i>	<i>R: 54.5°</i>	<i>—</i>	<i>-0.5</i>	<i>54.0(12.22)</i>		
<i>25 M</i>	<i>Rtr 150</i>	<i>L:</i>	<i>Did not trip</i>				<i>#1-El</i>
	<i>SV 805</i>	<i>R:</i>	<i>"</i>	<i>"</i>	<i>"</i>		
<i>30 M</i>	<i>N2 164892</i>	<i>L:</i>	<i>"</i>	<i>"</i>	<i>"</i>		<i>#3-El</i>
	<i>SV 497</i>	<i>R:</i>	<i>"</i>	<i>"</i>	<i>"</i>		
<i>40 M</i>	<i>N2 164895</i>	<i>L:</i>	<i>"</i>	<i>"</i>	<i>"</i>		<i>#4-El</i>
	<i>SV 496</i>	<i>R:</i>	<i>"</i>	<i>"</i>	<i>"</i>		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-5314

C. E. DeLong
Recorder.

NETS, ETC., USED

am

Description	Depth	TIME		Speed
		Down	Up	
Surface Nets #12	10 m			
and 000	10 m	10:28	10:44	
Serial closing apparatus #2	10 m	10:30	10:45	

11-5314

NOTES

1st messenger down at 10:30 a

2nd " " " 10:45 a

Psy. W #5 D 16.1 85%

14.6

Chart 5200 C. I. S. S.

Station No. 6684 Date: July 21 1916

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

Position: Lat. 33°-46'-42" Long. 120°-01'-24"

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
Surf	Ranfoc 7486	16.5	—	0	16.5 (61.7)	X	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: Under way

Station No. *H6687* Date: *July 21* 191 *6*

Hour: *12.39 P. M.* to *1 09* *P. M.*

Position: Lat. _____ Long. _____

Locality: _____

Depth: _____ Bottom: _____ Sample: _____

Wind: Direction, _____ Force, _____

Sea: _____ Sky: _____

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>Surf</i>	<i>Ranfoc 7446</i>	<i>16.8</i>	<i>—</i>	<i>0</i>	<i>16.8</i> <i>(62.2)</i>		
<i>50-m</i>	<i>N2 165571 #1</i>	<i>10.2</i>	<i>15.2</i>	<i>-0.13</i>	<i>10.07 (30.1)</i>		
	<i>Rtr 37572 #2</i>	<i>10.0</i>	<i>14.7</i>	<i>-0.03</i>	<i>9.97 (49.9)</i>		
<i>60-m</i>	<i>N2 98256 R</i>	<i>50.0</i>	<i>—</i>	<i>-0.6</i>	<i>49.4 (96.7)</i>		<i>#5</i>
	<i>N2 62455 L</i>	<i>51.5</i>	<i>—</i>	<i>-1.0</i>	<i>50.5 (102.9)</i>		
<i>75-m</i>	<i>N2 98260 R</i>	<i>49.5</i>	<i>—</i>	<i>-0.6</i>	<i>48.9 (97.9)</i>		<i>#2</i>
	<i>N2 71738 L</i>	<i>49.5</i>	<i>—</i>	<i>-0.8</i>	<i>48.7 (97.8)</i>		
<i>100-m</i>	<i>SV 805 R</i>	<i>8.8</i>	<i>12.0</i>	<i>-0.06</i>	<i>8.74 (47.7)</i>		<i>#1</i>
	<i>Rtr 120 L</i>	<i>8.85</i>	<i>12.0</i>	<i>-0.06</i>	<i>8.79 (47.8)</i>		
<i>150-m</i>	<i>SV 497 R</i>	<i>8.6</i>	<i>12.0</i>	<i>-0.09</i>	<i>8.51 (47.3)</i>		<i>#3</i>
	<i>N2 164942 L</i>	<i>8.7</i>	<i>12.0</i>	<i>-0.13</i>	<i>8.57 (47.4)</i>		
<i>200-m</i>	<i>SV 496 R</i>	<i>8.4</i>	<i>11.2</i>	<i>-0.06</i>	<i>8.34 (47.0)</i>		<i>#4</i>
	<i>N2 164895 L</i>	<i>8.6</i>	<i>12.5</i>	<i>-0.14</i>	<i>8.46 (47.2)</i>		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: _____ Transparency: _____

REMARKS: *lying to*

W W Blesker
Rec'd

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Surf Net # 12-000	—	12.39	12.51	
Sev. bto. App # 2	50-M	12.39	12.54	12.58

11-5314

NOTES

1st messenger down - 12³⁹ PM

2^d " " " - 12⁵⁴ PM

Psy. W ~~75.3~~ 15.4 D 17.1 84%

Chart 5200 C. & G. S.

drifted from

Lat. 33°-49'-12" Long. 119°-50'-00" W
 East Point Santa Rosa Isl. bears
 N 43° W dist. 9.8 miles
~~time~~
 at 12³⁰ P.M.

to

Lat. 33°-49'-48" N.
 Long. 119°-47'-36" W.
 East Point of Santa Rosa Isl.
 bears N 53° W dist. 10.8 mi.
~~time~~
 at 1⁴⁰ P.M.

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Surf net #12-000	—	1.19	1.31	
Ev. blo. app #2	10-M	1.19 1.32	1.34	

11-5314

NOTES

1st messenger down - 1.19

2d " " " - 1.34

Psy. W ~~14.7~~ 14.8 D17.6 74%

Chart 5200 C.9 G.S.

