H6631
to
H6664 inclus.

Station No. H 6631 Date: July 14 1916

Hour: 6:00 A. M. to — . M.

Position: Lat. 32-38-50 Long. 119-09-20
Chart 5002

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	Ranfac 7486	15.9	—	0	15.9 (60.6)	X	

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 ~~13.6~~ 13.7 D 15.4

Station No. H6632 Date: July 14 1916

Hour: 8:07:00 A. M. to 8:47:00 . M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force, 0 - 1

Sea: 8 Sky: 0

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf.	Ranfur 7496	16.5°	—	0	16.5 (61.7)	X	
10 M.	NZ. 165868	#1 - 14.5°	15.0° (?)	-0.05	14.45 (58.0)		14.95
	NZ. 165869	#2 - 15.6°	14.8°	-0.05	15.15 (59.8)		
30 M	NZ. 165871	#1 - 13.0°	15.3°	-0.13	12.87 (55.2)		12.83
	Rtr. 37572	#2 12.8°	15.0°	0	12.8 (55.0)		

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	
	meters			
Surface #12-#000	0	8:07	8:19	
Serial Closing apparatus #1	10	8:11	8:27	
Serial Closing apparatus #1	30	8:11	8:42	
Serial Closing apparatus				

11—5314

NOTES

1st Messenger down at 8:11:00 am
2nd " " " " 8:26:00 am

7 43 am Surface haul, surf. sample
W ~~13.7~~ 13.8 D 15.3
Surf. 16.6 (no correction)

8 26 Bsy. ~~W 13.7~~ D 15.4
13.8

Drifted from

Lat 32-37-00
Long 119-17-46

to

Lat 32-32-00
Long 119-20-00

Station No. H 6632 Date: July 14 1916

Hour: 8:47 a. M. to 9:07 a. M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force, 0-1

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf.	Rempac 7486	15.7°		0	15.7 (60.3)	X	
10 M	NZ. 165868	#1-14.9°	(?) 15.2°	-0.05	14.85 (58.7)		15.2
	NZ. 165869	#2-15.7°	15.0°	-0.05	15.65 (60.2)		
30 M	NZ. 165871	#1-13.0°	15.5°	-0.13	12.87 (55.2)		12.83
	Rtr. 37572	#2-12.8°	15.2°	0	12.8 (55.0)		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

A. E. R. Long.
Recorder.

NETS, ETC., USED

Description	Depth	TIME (a.m.) Down	TIME (a.m.) Up	Speed
Surface # 12 2/4 #000	0	8:47a	9:02a	
Serial closing apparatus	10	8:52	9:08	
Serial Closing Apparatus	30			

11—5314

NOTES

1st Messenger down at 8:52:00 am
2nd Messenger down at 9:07:00 am

Psych. W ~~140~~ 14.1 D15.7

Station No. H 6632 Date: July 14 1916

Hour: 9:29 a . M. to 9:43 a . M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force, 0-1

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf.	Ranfor 7486	15.6°		0	15.6 (60.1)		
1020	NZ. 165868	#1-14.7	15.7	-0.05	15.65 (60.2)		15.55
	NZ 165869	#2-15.7 (?)	15.5	-0.05	15.45 (59.8)		
3020	NZ. 165871	#1-12.6	15.2	-0.15	12.45 (54.4)		12.42
	RH 37572	#2-12.4°	15.0°	0	12.41 (54.3)		

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 a.m. Down	TIME a.m. Up	Speed
Surface #12 3/4 #000	0	9:25	9:40	
Serial Closing apparatus #1	10	9:28	9:44	
Serial Closing apparatus #1	30	9:28	9:49	

11—5314

NOTES

1st Messenger down at 9:28:00 am
2nd Messenger down at 9:43:00 am

Psy. W ~~14.0~~ 14.1 D 15.7

Station No. H 6632 Date: July 14 1916

Hour: 9:57 a. M. to 10:22 a. M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force, 0-1

Sea: S Sky: 8 to 9

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf.	Ranfac 7496	15.6°		0	15.6 (60.1)		
10 M.	NZ 165868	#1-13.8°	16.4°	-0.07	15.33 (59.6)		15.00
	NZ 165869	#2-14.7	16.3 (?)	-0.05	14.64 (58.4)		
30 M.	NZ 165871	#1-11.6°	16.2°	-0.14	11.36 (52.45)		11.35
	RH 37572	#2-11.35°	16.2°	-0.02	11.33 (52.4)		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

C. E. De Long.

Recorder.

NETS, ETC., USED

Description	Depth	TIME am Down	TIME am Up	Speed
Surface #12 - #000	0	9:57a	10:11	
Serial closing Apparatus	10 M.	10:00	10:16	
Serial closing Apparatus	30 M.	10:00	10:22	

11—5314

NOTES

1st Messenger down at 10:00 am
2nd Messenger down at 10:15 am

Psy. W 14.3 D 16.7
14.4

Station No. H6632 Date: July 14 1916

Hour: 10:28 a. M. to 10:48 a. M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force, 0-1

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used	
Sur.	"Ranfai" 7466	15.6°		0	15.6 (60.1)			
30m.	NZ 165868	#1 - 12.2°	14.8°	-0.08	12.12	(53.8)	}	54.45
	NZ 165869	#2 - 12.9°	15.0°	-0.08	12.82	(55.1)		
50m.	NZ 165871	#1 - 10.1°	16.0°	-0.12	9.98	(50.0)	}	9.94
	Rtr 37572	#2 - 9.95°	15.4°	-0.04	9.91	(49.8)		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

C. D. Long.
Recorder.

NETS, ETC., USED

Description	Depth	TIME a.m. Down	TIME a.m. Up	Speed
Surface #12 – #000	0	10:26	10:40	
Serial closing apparatus #1	30 M	10:28	10:44	
Serial closing apparatus #1	50 M	12:28	10:48	

11—5314

NOTES

1st messenger down at 10:28:00 a.m.
2nd messenger down at 10:43:00 a.m.

Psy. W ~~11.6~~ 14.7 D 17.4

Station No. H 6632 Date: July 14 1916

Hour: 10:56 a. M. to 11:17 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.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf.	Ranfac 7486	15.6°		0	15.6 (60.1)		
30 M.	NZ 165868	#1-11.40°	14.4°	-0.08	11.32 (52.4)		11.52
	NZ 165869	#2-11.80°	14.8°	-0.08	11.72 (53.1)		
50 M.	NZ 165871	#1-10.0°	15.3°	-0.14	9.86 (49.75)		9.80
	Rtr 37572	#2-9.78°	14.8°	-0.04	9.74 (49.5)		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

C. E. De Long
Recorder

NETS, ETC., USED

Description	Depth	TIME a.m. Down	TIME a.m. Up	Speed
Surface #12 - #000	0	10:53	11:09	
Serial closing apparatus #1	30	10:54	11:12	
Serial closing apparatus #1	50	10:56	11:17	

11—5314

NOTES

1st Messenger down at 10:56:00
2nd Messenger down at 11:11:00

Psy. W ~~14.6~~ 14.7 D 17.4

Station No. H6632 Date: July 14 1916

Hour: . M. to . M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force, 0-1

Sea: S Sky: 0

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf	Ronfac 7486	15.9	—	0	15.9 (60.6)	×	
30M	NZ 165868	#1 10.9°	13.7°	-0.06	10.84 (51.5)		10.82
	NZ 165869	#2 10.9°	14.0°	-0.1	10.8 (51.4)		
50M	NZ 165871	#1 9.9°	15.2°	-0.15	9.75 (49.55)		9.71
	R+R 37572	#2 9.7	14.10°	-0.03	9.67 (49.4)		

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 a.m. Down	TIME a.m. Up	Speed
Surface #12 - #000	0	11:22	11:37	
Serial Closing Apparatus #1	30M	11:24	11:40	
Serial Closing Appas. #2	50M	11:24	11:44	

11—5314

NOTES

1st Messenger down at 11:24 am
2nd Messenger down at 11:39 am

Psy. W ~~14.2~~ 14.3 D 16.4

Station No. H6632 Date: July 14 191 6

Hour: 12.57 P. M. to 1.18 P. M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: 8 Sky: ○

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf	Rayfac 7486	15.5		0	15.5 (59.9)		
30-M	NZ 165868 # 1 - 10.9	15.8		−0.07	10.83 (51.5)		} 10.80
	NZ 165869 # 2 - 10.9	15.4		−0.12	10.78 (51.4)		
50-M	NZ 165871 # 1 - 9.8	16.4		−0.15	9.65 (49.4)		} 9.60
	RTF 37572 # 2 - 9.6	15.5		−0.05	9.55 (49.2)		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

W. D. Baker
Rec'd

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Surface #12-000	—	12.57	1.09	
Serial Clo App #1	30-M	12.57		
" "	"	1.12	1.13	
" " #2	50-M	12.57		
	"	1.12	1.18	

11—5314

NOTES

1st Messenger down - 12.57 PM
2d " " 1.12 "

Psy. W ~~14.8~~ 14.9 D 17.6

Station No. H6632 Date: July 14 191 6

Hour: 1.26 P. M. to 1.47 P. M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: 8 Sky: O

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used	
Surf	Ranfac 7496	16.3		0	16.3 (61.3)			
30-M	NZ 165868 #1	10.6	15.1	-0.06	10.54 (51.0)			10.56
	NZ 165869 #2	10.7	15.0	-0.12	10.58 (51.0)			
50-M	NZ 165871 #1	9.7	16.3	-0.16	9.54 (49.2)			9.47
	Rtt 37572 #2	9.45	15.7	-0.06	9.39 (48.9)			

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: 11—5314

10 K Blanket Rec'd

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Surface #12-000	—	1.26	1.38	
Serial 6lo app #1	50-m	1.26		
	"	1.41	1.43	
" " " #2	50-m	1.26		
	"	1.41	1.47	

11—5314

NOTES

1st messenger down — 1.26

2d " " — 1.41

Psy. W ~~15.5~~ 15.6 D 18.2

Station No. H-6637 Date: July 14 1916

Hour: 1.55 P. M. to 2.10 P. M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: 8 Sky: 0

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Sur	Rempe 7486	16.3		0	16.3 (61.3)		
30-m	NZ 165868 #1	11.2	16.2	-0.09	11.11 (52.0)		11.15
	NZ 165869 #2	11.3	16.2	-0.12	11.18 (52.1)		
50-m	NZ 165871 #1	9.8	15.8	-0.15	9.65 (49.4)		9.6
	Rtr 37572 #2	9.6	15.4	-0.05	9.55 (49.2)		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

W R Blaker
Recd

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Surface #12-000		1.55	2.07	
Serial clo. agg #1	30-7m	1.55		
		2.10	2.12	
" " " #2	50-7m	1.55		
		2.10	2.16	

11—5314

NOTES

1st Messenger down — 1.55

2d " " — 2.10

Psy. W ~~15.4~~ 15.5 D 18.5

Station No. H-6632 Date: July 14 1916

Hour: 2.32 P. M. to 2.50 P. M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: 8 Sky: 0

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Sur	Ranfac 7486	16.2		0	16.2 (61.2)		
~~5-M~~		R none L Did not work					#4
~~10-M~~							#
~~50-M~~							#
~~75-M~~							#
100-M	NZ.98256 R	47.7		-0.7	47.0 (8.33)		#5 8.28
	NZ.62855 L	47.8		-1.0	46.8 (8.22)		
~~200-M~~							#

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: 11—5314

W R Blaker
Rec'd

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Surface #12-000				
Bottles down	5-m	2.32	2.44	
	100-m	2.32	2.50	
Messenger down	—	2.42		

11—5314

NOTES

Bottles down — 2.32

Psy W+S.T D17.9
15.2

Station No. H-6632 Date: July 14 1916

Hour: 3.01 P. M. to 3.19 P. M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: 8 Sky: 0

TEMPERATURES

Depth	Thermometer—Make and No.		Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
10-M	SV. 805	R	15.10	15.2	+0.15	15.25 (~~15.9~~)		#1
	RTH. 150	L	15.10	15.2	+0.12	15.22 (~~15.10~~)		
20-M	NZ.98260	R	57.0	—	-0.5	56.5 (13.61)		#2
	NZ.71738	L	57.4	—	-0.7	56.7 (13.72)		
30-M	SV 497	R	12.30	15.0	+0.04	12.34 (54.2)		#3
	NZ 164893	L	12.35	15.0	-0.17	12.18 (53.9)		
50-M	SV 496	R	9.6	12.8	-0.1.	9.5 (49.1)		#4
	NZ.164895	L	9.8	14.5	-0.15	9.65 (49.4)		
75-M	NZ98256	R	48.5	14	-0.7	47.8 (8.78)		#5
	NZ.62855	L	48.5	—	-1.0	47.5 (8.61)		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

W D Baker
Recd

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Bottles down -	—	3.01	3.12	30-m
			3.14	40-m
			3.15	50-m
Messenger down -	—	3.11	3.17	60-m
			3.19	75-m

11—5314

NOTES

No Psy.

Average

1524.

56.6 | 13.67

12.26

9.58

47.65 | 8.70

Station No. H6633 Date: July 14 191 6

Hour: 4:00 P. M. to - . M.

Position: Lat. 32-39-20 Long. 119-17-00
Chart 5002

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	Ranfre 7486	16.6	—	0	16.6 (61.9)	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—5314

NOTES

Station No. # 6634 Date: July 14 1916

Hour: 4:30 P. M. to – . M.

Position: Lat. 32-44-00 Long. 119-15-00
Chart 5002

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	Ranfar 7486	16.9	—	0	16.9 (62.4)		

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

Station No. H 6635 Date: July 14 1916

Hour: 5:00 P. M. to — . M.

Position: Lat. 32-48-30 Long. 119-13-00
Chart 5002

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	Ranfac 7486	16.9	—	0	16.9 (62.4)		

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

Station No. H6636 Date: July 14 1916

Hour: 5:30 P. M. to — . M.

Position: Lat. 32-52-00 Long. 119-09-30
Chart 5002

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	Ranfac 7486	16.8	—	0	16.8 (62.2)	X	

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

Station No. H 6637 Date: July 14 1916

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

Position: Lat. 32-53-40 Long. 119-04-20
Chart 5002

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	Ranfax 7486	16.8	—	0	16.8 (62.2)	X	

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

Station No. H 6634 Date: July 14 1916

Hour: 7:00 P. M. to — . M.

Position: Lat. 32-57-20 Long. 118-54-50
chart 5002

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	Ranfac 7486	17.7	—	0	17.7 (63.9)	X	

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

Station No. H 6639 Date: July 14, 1916

Hour: 7:30 P. M. to — . M.

Position: Lat. 32-59-40 Long. 118-49-30
chart 5002

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	Ranfre 7484	17.5	—	0	17.5 (63.5)	X	

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

Station No. H 6640 Date: July 14 1916

Hour: 8:00 P. M. to – . M.

Position: Lat. 33-02-00 Long. 118-44-30
Chart 5002

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	Ranfre 7486	17.6	–	0	17.6 (63.7)	X	

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	

NOTES

Station No. H 6641 Date: July 14 1916

Hour: 8:30 P. M. to — . M.

Position: Lat. 33-04-30 Long. 118-40-10
Chart 5100

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	Ranger 7486	1755	—	0	1755 (63.6)	X	

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

Station No. H 6642 Date: July 14, 1916

Hour: 9^00 P . M. to – . M.

Position: Lat. 33-07-35 Long. 118-35-20
Chart 5100

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	Ranfac 7486	17.25	–	0	17.25 (63.05)	X	

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

Station No. H 6643 Date: July 14 1916

Hour: 9:30 P. M. to — . M.

Position: Lat. 33-09-00 Long. 118-30-10
Chart 5100

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	Rainfre 7486	18.6	—	0	18.6 (65.5)	X	

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

Station No. H 6644 Date: July 14 1916

Hour: 10:00 P. M. to — . M.

Position: Lat. 33-10-30 Long. 118-24-55
Chart 5100

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	Rayse 7486	18.9	—	0	18.9 (66.0)	X	

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

Station No. H 6645 Date: July 14 1916

Hour: 10:30 P. M. to — . M.

Position: Lat. 33-12-00 Long. 118-19-40
chart. 5700

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	Ranpe 7486	18.8	—	0	18.8 (65.8)	✓	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—6314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11—5314

NOTES

Station No. H 6646 Date: July 14 1916

Hour: 11:00 P. M. to – . M.

Position: Lat. 33-13-25 Long. 118-14-15
Chart 5100

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	Rempex 7486	19.15	–	0	19.15 (66.5)	X	

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	

NOTES

Station No. H 6647 Date: July 14 1912

Hour: 11:30 P. M. to — . M.

Position: Lat. 33-14-55 Long. 118-08-50
chart 5100

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	Rayfac 7486	19.15	—	0	19.15 (66.5)	x	

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

Station No. H 6648 Date: July 14 1916

Hour: 17:00 midnight . M. to — . M.

Position: Lat. 33-18-55 Long. 118-08-30
chart 5100

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	Range 7486	18.8	—	0	18.8 (65.8)	X	

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

Station No. H 6649 Date: July 17 1916

Hour: 10:30 A. M. to - . M.

Position: Lat. Long.

Locality: St. Firmin

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	Ranger 7486	18.4	—	0	18.4 (65.1)	X	

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 ~~+6.2~~ 16-3 D 18.0 84%

Chart 5-100

Point Vincent 77 14 E (True ½ mile

Station No. H6650 Date: July 17 1916

Hour: 11:00 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	Ranfac 7486	18.8	—	0	18.8 (65.8)	✓	

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

Psy. W ~~16.4~~ 16.5 D 16.5

82%

chart 5100

Point Vincent S 77 E, 5 mi (True)

Station No. H 6651 Date: July 17 1916

Hour: 11:30 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	Rayfoc 7486	18.7	—	0	18.7 (65.7)		

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

Psx. W 26.2 D 17.7 87%
~~46.3~~

Chart 5-100
Point Princent S 75° E (True)
9½ mi

Station No. H6652 Date: July 17 1916

Hour: 12:00 noon . 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	Ranfac 7496	16.8	—	0	18.8 (65.8)		

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

Psy. W ~~17.7~~ 17.5 D 20.5 74%

Chart 5100

Point Vincent S 73 E (True)

14.1 mi.

Station No. H 6653 Date: July 17 1916

Hour: 17:30 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	Ranfac 7486	19.0	—	0	19.0 (66.2)		

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

Psy. W 46-7 D 19.1 79%
16.8

chart 5200
Point Dume N 14½ W True
10.7 mi.

Station No. H 6654 Date: July 17 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	Rayfac 7486	19.0	—	0	19.0 (66.2)		

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

Psy. W D.T D20.1 75%
17.2
Chart 5200
Point Dume N 6 E (True)
9.4 mi.

Station No. H 6655 Date: July 17 1916

Hour: 1:30 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	Ranfac 7486	19.8	–	0	19.8 (67.6)		

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

Pex. W ~~16.2~~ 16.3 D 19.2 74%

Chart 5200

Point Dume N 30 E (True)

9.4 mi.

Station No. H 6656 Date: July 17 191 6

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	Ranger 7486	19.2	—	0	19.2 (66.6)		

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

Psy. W 16.4/5 D 18.5 82%

Chart 5200

Point Drum N 50 E (True)

10.7 mi.

Station No. H 6657 Date: July 17, 1916

Hour: 2:30 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	Range 7486	18.4	—	0	18.4 (65.1)		

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

Psy. W ~~Ht~~ 16.2 D18.1 83%

chart 5200

Point Dume N 64 E (True)

13.4 mi.

Station No. H 6658 Date: July 17 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	Range 7486	17.0	–	0	17.0 (62.6)		

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

Psy. W ~~15.9~~ 16.0 D 17.7

84%

chart 5200

Hueneme Lt

N. 18 W (True)

14.1 mi.

Station No. 14659 Date: July 17 1916

Hour: 3:30 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	Ranfac 7486	17.3	—	0	17.3 (63.1)		

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

Psy. W ~~15.5~~ 15.6 D 17.4

83%

Chart 5200

Hueneme Lt. N 4 W (True)

12.4 mi.

Station No. H 6660 Date: July 17, 1916

Hour: 4:00 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	Bayfre 7486	17.2	—	0	17.2 (63.0)		

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

Psy. W ~~15.7~~ 15.8 D17.0

88%

chart 5200

Hueneme Lt N 12½ E (True)

11.8 mi.

Station No. H 6661 Date: July 17 19[illegible]

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	Ranfac 7486	15.9	—	0	15.9 (60.6)		

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

Psy. W ~~15.5~~ 15.6 D 17.2 84%

Chart 5200

Anacapa Lt. N25½W (True)
3 mi

Station No. H 6662 Date: July 17 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	Ranger 7486	16.2	—	0	16.2 (61.2)		

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

Psy. W 44.6 D16.0 87%
14.7

Chart 5200

Anacapa Lt 7.57E (True)
3.0 mi.

Station No. H 6663 Date: July 17 1916

Hour: 5.30 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	Ranfac 7486	17.4	—	0	17.4 (63.3)		

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

Psy W 15.4 D 17.3 83%

chart 5200

San Pedro Lt (Santa Cruz Id)
N 46 W (True)
2.5 mi.

Station No. H6664 Date: July 18 1916

Hour: 5:27 A. M. to 5:51 A. M.

Position: Lat. Long.

Locality: Santa Cruz Id. (Smuggler's Cove)

Depth: 9½ fms 17½ m Bottom: Sample:

Wind: Direction, S. E. Force, 1.

Sea: G. Sky: 0z - 9S - 10.

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf.	Pamfer 7496	16.10	—	0	16,0 (60.8)	.	
5 M		#1: - -	- - -				
		#2: - -	- - -				
10 M		#1: - - -	- - -				
		#2: - - -	- - -				

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: 11—5314

Arctic - Recorder.

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
		am.		
Surface #12 – #000	Surf.	5:27	5:42	E
Ser. Clo. App. #1	5 m.	5:27	5:46 5:45	
Ser. Clo. App. #2.	10 m.	5:42	5:51 5:50	

11—5314

NOTES

Small Dredging Eng.; Ship at anchor

80

1st messenger down at 5:27 am.
2d — " — 5:42 "

5 42 am Psy W15.7 D17.3 85%

Chart 5126

Pt South of Smugglers Cove
Santa Cruz Id
S52W (True)
0.3 mi

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

Hour: 6:02 A. M. to 6:20 A. M.

Position: Lat. Long.

Locality: Santa Cruz Island

Depth: 9½ fms. Bottom: Sample:

Wind: Direction, SE Force, 1

Sea: G. Sky: 03 - AS - 10

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf.	Rauface 7486	16.1	—	0	16.1 (61.0)		
5 M.	NZ 165868	#1: 15.9	16.0	-0.05	15.85 (60.5)		15.95
	NZ 165869	#2: 16.1	16.0	-0.05	16.05 (60.9)		
10 M	NZ 165871	#1: -.-	-.-	—	—		
	Rtr 37572	#2: 15.58	15.8	+0.04	15.62 (60.1)		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: 11—5314

Arnkil -
Recorder.

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Surface tow nets 12 & 000	surf.	6:02 a.m.	6:18	2
Ser. Clo. Spp. # 1.	5 m	6:02	6:19 6:18	
Ser. Clo. Spp. # 2.	10 m	6:17	6.20 6.20	

11—5314

NOTES

Small dredging engine; ships anchored.

1 st messenger down 6:02 am.
2 d " " 6:17 "

6 17/mm Psy. W 15.5/6 D17.1 86 %

Station No. H-6664 Date: July 18th 1916

Hour: 6:31 A.M. to 6:50 A.M.

Position: Lat. Long.

Locality: Santa Cruz Islands.

Depth: Bottom: Sample:

Wind: Direction, SE Force, 1

Sea: G. Sky: 03 - AS - 10

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf.	Rwfac 7486	16.1	—	0	16.1 (61.0)		
5 M.	NZ ~~165868~~	#1: — . —	— . —		—		
	NZ 165869	#2: — . —	— . —		—		
10 M.	NZ 165871	#1: ~~15.25~~	~~15.0~~		—		
	Rtr 37572	#2: 15.25	15.0	+0.04	15.29 (59.5)		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: 11—5314

Attiki—

Roe.

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
Tow Nets # 12 x 000	Surf.	6:31 am	6:47	⚓
Ser. Clo. App. # 1	5 m.	6:31	6:47 6:46	
Ser. Clo. App. # 2	10 m.	6:46	6:50 6:50	

11—5314

NOTES

Small dr. eng.; Ship at anchor.

1st messenger down at 6:31 am
2d " " 6:46 "

6 46 am Psy W 15.5 6 D 17.1 86 %

Station No. H-6664 Date: July 18th 1916

Hour: 6:59 A. M. to 7:17 A. M.

Position: Lat. Long.

Locality: Santa Cruz Id.

Depth: 9½ fms. Bottom: Sample:

Wind: Direction, East Force, 1

Sea: G. Sky: 3-AS-10

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf.	Rufus 7486	16.1	—	0	16.1 (61.0)		
5 M	NZ 165868	#1: 15.9	16.0	-0.05	15.85 (60.5)		
	NZ 165869	#2: 15.9	16.0	-0.05	15.85 (60.5)		
10 M	NZ 165871	#1: —	—		—		
	R+r 37572	#2: 15.75	16.0	+0.04	15.79 (60.4)		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

Smith—
Rec.

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
		am		
Tow Nets # 12 and 000	Surf	6:59	7:14	P
Ser. Clo. App. No 1	5 m.	6:59	7:15 7:14	
Ser. Clo. App. No 2	10 m	7:14	7.17 7:17	

11—5314

NOTES

Small Dr. eng.; at anchor.

1st messenger down at 6:59 am.
2 " " 7:14 "

7 14 am Psy W 15.7 S D 17.4 84%

Station No. H-6664 Date: July 18th 1916

Hour: 7:25 A.M. to 7:40 A.M.

Position: Lat. Long.

Locality: Santa Cruz I.

Depth: 9½ fms. Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer—Make and No.	Reading	Stem Temp.	Correction	Corrected Temp.	W. Sample	Bottle used
Surf	Ramsden 7486	16.1	—	0	16.1 (61.0)		
5 m.	NZ 165868	#1: 15.9	15.3	-0.05	15.85 (60.5)		
	NZ 165869	#2: 15.9	15.3	-0.05	15.85 (60.5)		
10 m.	NZ 165871	#1: ~~15.7~~	~~16.3~~		—		
	Rtt 37572	#2: 15.7	16.3	+0.04	15.74 (60.3)		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME Down	TIME Up	Speed
		am		
Tow Nets Nos 12 & 000	Surf.	7:25	7:40	☿
Ser. Clo. App. No 1	5 m.	7:25		
Ser. Clo. App. No 2	10 m.	7:40		

11—5314

NOTES

Sml. dr. eng.; ship at anchor.

1st messenger down at 7:25 am.
2 " " 7:40 "

7 40/am Psy W 15.t D 17.4 84%

7

$\frac{9}{5} + 32$