

ORIGINAL LOG BOOK OF THE "FISH HAWK"

UNITED STATES FISH COMMISSION

STATION NUMBERS

Numbers 1196 to 1235



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Agra Toumble # 39175 1206 thispotecas box 5 5 &

122

12,976

Specemen Oblained Samuel Hounders crabs King least

Instrument used, Beam Frank (11 Jul)
Current number of observation, 1197
Date, Aug 9th 1887
Locality, Off Falmouth
Bearings, Notska for 5. 1. by 1/4 /h.
8.6hop light \$8745,
Time of day, /0.00 am; of tide, Flore
State of sky, 2-e
Temperature of air, 72°
" surface of water, 72_
" at depth of fathoms,
of bottom, 71.5
Depth, in fathoms, 34 //2-
Nature of bottom, Shell sand
Direction of surface current, SSY
Force of surface current, 2
Daile A.
Direction of bottom current; East 16
Force of bottom current,
Name of vessel, H & S Fish Hawk
To what service attached, & S 7 6
Name and rank of commanding officer, James of Smile
Male Ho SA
Name and position of observer,
Photo do to

mete uf h

1198 REMARKS.

Spider Crabs Sea Robbins Squist Hermit-Crabs Scup Sea Wrchin Starfish Claims

	Instrument used, Beam Lawl, 111 Jul
	Current number of observation, 1198
	Date, Off Jalmanthe auf 9 2/887
	Locality, Off Falmouth
	Bearings, Mostea Light 1/2 & 2"
y	almonet NELE 1'
	Time of day, //. OJan; of tide, Flow
	State of sky,
	Temperature of air, 70
	" surface of water, 72°
	" at depth of fathoms,
	" of bottom, 7/, 5
	Depth, in fathoms, 44 3/4
	Nature of bottom, thell gras Sand
	Direction of murface current, S3 W
	Force of surface current, 2
	Direction of bottom current Cast
	Force of bottom correct.
	Name of vessel, 26 & Fish Hands
	To what service attached, 26 8 7 6
	Name and rank of commanding officer, James & Somite
	Grate 24 St
	Name and position of observer,
	- In lenightin
	mate USW
	realized hold to

1199 REMARKS.

Specimens Obtained remied Sea Robbins Scollap Crobs Sea Unchin Squid Sea Bass

1199

Instrument used, Beam Lawl 111 feet 1
Current number of observation, //99
Date, auf 9 to
Locality, Off Falmonth
Bearings, Arbaha Light SHXH/2 W//2
The state of the s
Time of day, //, 28 am; of tide, Herry
State of sky,
Temperature of air, 70
" surface of water, 72
" at depth of fathoms,
" of bottom, 7/, J
Depth, in fathoms,
Nature of bottom, Shall sand gravel grass
Direction of surface current SSW
Force of surface current, 2
. 4 1
Direction of Lotton current, & & & & /4
Force of bottom current,
Name of vessel, It & & Fish Hawke
To what service attached, 26 A # 6
Name and rank of commanding officer, James & Smith
male 26 & A
Name and position of observer,
Name and position of observer, 2 Menightons
more uf 24
ingue uf up

12 50 REMARKS.

Specimens ablained Sea robline Africa. In the Harmil Grah Secklope Star Jish Sea revolue

Instrument used, Ream Iranol (11 Jul
Current number of observation, /2 >
Date, Aug 9th 1887
Locality, Off Falmon the
Bearings, Artaka light Vr X & 2'
elmonte or EXEVE Chop light SEX
Time of day, 11. 49 ; of tide, Flort
State of sky, 2-C
Temperature of air, 70
" surface of water, 7/
" at depth of fathoms,
" of bottom, 72
Depth, in fathoms, J. /4
Nature of bottom, Sand Shell mud
Direction of surface current, SSW
Force of surface comment,
Direction of hottom cutreen. SXE /2
Force of bottom current,
Name of vessel, It & Fred Hante
To what service attached, 26 & 7 6
Name and rank of commanding officer, James & Smitte
mate 26 & do
Name and position of observer,

/20/ REMARKS.

Hack Hounders den Robbins Lautog leurnere

Instrument used, Blam Frank (11) rect
Current number of observation, /2 0 /
Date, Ang 9th 1887
Locality, Of Falmonto
Bearings, Ashaka light & H XYF / 1-1/2
lehope light SE X8 9 8. 24 T. P.
Time of day, 12 20; of tide, Flord
State of sky, Z-C
Temperature of air, 7/
" surface of water, 7/
at depth of fathoms,
of bottom, 1/2
Depth, in fathoms, 2/2
Nature of bottom, Land gravel
Direction of surface current of 5 %
Force of surface current,
Direction of Lation cultures. A & 24
Force of bottom current,
Name of vessel, Child Finds Hawk
To what service attached,
Name and rank of commanding officer.
mate 26 & N
Name and position of observer,

12 02 REMARKS.

Herendere Crate Leobsiere Lea Robbins Skater & , cy agnish Des fish

Instrument used. Belin Frank (11 feet)
Current number of observation, 1202
Date. Ang 9th 1887
Locality, menercha Bythe
Bearings, Lu, said light 1/1/4 & tris
in Linetes 10 ho by W/4 M. Jan Laulin 2. To. 70. 6/4
Time of day, 350 Ph ; of tide, Ell-
State of sky, 2-2
Temperature of air, 69
" surface of water, 67
" at depth of fathoms,
" of bottom, 68
Depth, in fathoms,
Nature of bottom, Land (Land)
Direction of surface current, & &
Force of surface current,
Direction of hostom current. AN 3/4 W 1/27
Force of bottom current,
Name of vessel, 26 & France Handle
To what service attached, the service attached,
Name and rank of commanding officer,
male 26 1 de
Name and position of observer,

/2 a C REMARKS.

Labeter Skate Eggs sprint Herendere Blan joch Sen 1966

Instrument used, Bean Iron (11) Current number of observation, 1200 Ang 9 # 1887 Locality, Menensha Bight Bearings, Courter Quietos Hold to by Why in Head Why S Larkaulin Cov. Lat n n 6. 1/8 6. ; of tide, Ell-Time of day, 410 7 7-8-State of sky, Temperature of air, 70 surface of water, 69 at depth of fathoms. of bottom, 6/ Depth, in fathoms. Nature of bottom, Agen 1 113/4 St. 1/4 mile Direction of botto Force of bottom current, Name of vessel, It & I'v Fish franchis To what service attached, & & 7 6 Name and rank of commanding officer, which the Francis in colo Name and position of observer,

& Anteronyletin

Exercise so for

1204 REMARKS.

There lotates squiet founders

1200

and the contract
Instrument used. Blan Viant (i just)
Current number of observation, /2 0 4
Date. Aug 9 1887
Locality. Menershan Right
Bearings Lay read WS W Zarkaulin Con NE & d.
enter Quicker 1 role AXN /4 DK 3/4
Time of day, 4, 25 Ren ; of tide. Elle
State of sky, 2-c
Temperature of air, 70
" surface of water, 69
at depth of fathoms,
" of bottom, 68
Depth, in fathoms, 9
Nature of bottom, And Sand
Direction of Inches correct.
Force of contract disputed,
Direction of Louising with 3/4 W /2
Force of bottom current,
Name of vessel, & & & Fish Hawk!
To what service attached,
Name and rank of commanding officer.
mat 26 So
Name and position of observer,
mente de & to

72 0 FEMARKS.

Star Jish, Rock Sels

Instrument used, Sndfl
Current number of observation, /205
Date. Aug //th/887
Locality, East charles light
Bearings, Arboka Som Jun It Calron WX N/4 dr
lehop mx Aber
Time of day, 10,42 class; of tide:
State of sky, 2-e
Temperature of air, 73
" surface of water, 7/
·· at depth of fathoms,
" of bottom,) Z-
Depth, in fathoms,
Nature of bottom, Sand + Shell + rock
Direction of surface current, 55
Force of surface current.
Direction of bottom contract 97 X 8, 1/4 mile
Force of bottom current,
Name of vessel, It of fish hawke
To what service attached, 26 & 7 6
Name and rank of commanding officer, where A
Questi 26 St
Name and position of observer,
(18. #

1206

REMARKS.

Starfish clame speder Cooks

/2 04 REMARKS.

pame as 1206

Instrument used, Dredge.
Current number of observation, 1207
Date, Ang 11 de 1887
Locality, Of East chope Light
Bearings, Articka of no X W /4W
drop VXX/21 3 6 imp inch \$8 N
Time of day, /1, /0; of tide, How
State of sky, V-C
Temperature of air, 73
" surface of water,
" at depth of fathoms,
" of bottom, 72
Depth, in fathoms, //. 5
Nature of bottom, Lane Frank
Direction of surface current. SEW
Force of marines current,
Direction of Lord Comment & 18/48/12 mile
Force of bottom current,
Name of vessel, Lo & Frank House te
To what service attached, & 7 6
Name and rank of commanding officer, Johnson, 1867.
Name and position of observer,
4. A.

1208 REMARKS.

pane del 1206

/	
Instrument used, budy	
Current number of observation, 120	
Date, Aug 1/06 1887	
· Locality, Off East Shop Leine	
Bearings, Micka NW 1/4 2 X	
gartown & S'/2 W & learly nx My &	
Time of day, 11,29; of tide, Horo	
State of sky, be	
Temperature of air, 73	
" surface of water, 70.5	
· at depth of fathoms,	
" of bottom, 72	
Depth, in fathoms, / 0	
Nature of bottom, Square work School	
Direction of musical autom, SSW	
Force of suche convert	
Direction of Latin metron & X 8/48, 1/2 mile	
Force of bottom current,	
Name of vessel, 2005 trale Hawk	
To what service attached, & & 7 6	
Name and rank of commanding officer, district Albara	
Mate 26 St	
Name and position of observer,	
Januari	
mati USA	~

REMARKS.

Lemit Cond Land

846623

	Instrument used, Bean Law Cliffeet
	Current number of observation, /209
	Date, Ang 11 th 1887.
	Locality, huskfort Chamile
	Bearings, DE and Marthan Vingart SW/2 3/2
-)	per log v 1/28, SS & & m Lale & 63/48
1	Time of day, 12,50 Re; of tide, Hord
	State of sky,
	Temperature of air,
	" surface of water, 69
	" at depth of fathoms,
	at depth of fathous,
	of bottom, 6/, 0
	Depth, in fathoms,
	Nature of bottom,
	Direction of surface, S.S.Y.
	Force of surface current, (3
	Direction of bottom current and y to the Trace
	Force of bottom current,
	Name of vessel, It & Strate Haute
	To what service attached. 26 176
	Name and rank of commanding officer, James Homeste
	Grate le 1-1
	Name and position of observer,
	Marker 11
	of many the
	mare to have

/2 / 9 REMARKS.

Sculpine, Crabballemit Conto

	Instrument used, Renew Isand (11 Jul)
	Current number of observation, /2 / 9
	Date, Aug 11th 1887
	Locality, Suchepet Channel
	Bearings, & Eluce Martine Source & SWX 8/48
ш	whyse date & 6/2 & saper Poget is W2
	Time of day, 1. 13 Plue; of tide, of the
	State of sky,
	Temperature of air, 70,5
	" surface of water, 70
	" at depth of fathoms,
	" of bottom, "//
	Depth, in fathoms,
	Nature of bottom, Sand
	Direction of surface current, SSW
	Force of such desired, 3
	Direction of Laction current Ey 2/4 2 /4 201 12
	Force of bottom current,
	Name of vessel, 26 & & Frah Hawle
	To what service attached, 20676
	Name and rank of commanding officer,
	<i>b</i> .
	Name and position of observer

REMARKS.

Specimeno alla scupt +

Gradi delle

single & Significant Bin

Land

Instrument used, Andge
Current number of observation, 12 //
Date, Ang 15 1887
Locality, als that Delant Beggand Beg
Bearings, orenipling Light W/2 S
Clarke PENTANY/4 WARds PE NXE/4 &
Time of day, 10-18 and; of tide, Leach
State of sky, 2-
Temperature of air, 70
" surface of water, 69,5
" at depth of fathoms,
·· of bottom, 7/
Depth, in fathoms,
Nature of bottom, Blacke Ima
Direction of musica current, 59W
Force of surface comment,
Direction of bottom current. LE 1/4 mile
Force of bottom current,
21.11.11.00.00.1
To what service attached, 46 & 76
Name and rank of commanding officer,
Theale to beit
Name and position of observer,
1. 1

/2/2 REMARKS.

Spice and conich in him.

. SSEX & Rin Diff-

Instrument used, Bear Frank (11 feet)
Current number of observation, /2/2
Date, Aug 15 1887
Locality, Of Heat de Cour Burn sor Tag
Bearings, During Leight W/2 &
of PEST STAN ALDER SEL ST X &
Time of day, 10.25; of tide, Flood
State of sky, be
Temperature of air, 70
·· surface of water, 70
at depth of fathous,
" of bottom, "//
Depth, in fathoms,
Nature of bottom, . Shell grass
Direction of Market SSY
Force of surface current,
Direction of Lottom ourrent, & & 6/4
Force of bottom current,
Name of vessel, Tol Fish In well
To what service attached, 2687
Name and rank of commanding officer, Janua Some
Name and position of observer,
Block of poor

REMARKS.

Specimens ablained

Squid & Specimens Soupe

Stounder Conche shell

Bein

	Instrument used Bearn Frank Migret
	Current number of observation, 12/3
	Date dug 15 2 1887
	Locality. La Rugger 1 Sug
	Bearings Dumpling Light West
4	The FIE ANXWIAN Ande Patight 1/2 &
	Time of day, 10-00; of tide, Hord
	State of sky, be
	Temperature of air, 76
	" surface of water, 70
	" at depth of fathoms,
	" of bottom, 70,5
	Depth, in fathoms, 7/2
	Nature of bottom, , The shell grass
	Direction of surface convert,
	Force of surface our entry
	Direction of Lottom or troit 1/4 mile
	Force of bottom current,
	Name of vessel, Ho & Stack Hawtel
	To what service attached, & & 76
	Name and rank of commanding officer, James of Smell
	Mate 26 &
	Name and position of observer,
	Aprilance beter
	mute 20 8 Ar

1214 REMARKS.

Secineus Oblained

no 14. 858

13em

	0 4 . 0.7 =
	Instrument used, Bean France Offeet
	Current number of observation, 1214
	Date. Azer 15 the 1889
	Locality, Of Joseph Server Burns. 1 Believe
	Bearings, Like well at White 5
1	when the amonifor Ands 145t Anthe
	Time of day. 11. 20 : of tide. There
	State of sky, Ze
	Temperature of air, 69.4
	" surface of water, "70
	·· at depth of fathoms,
	" of bottom, 7/
	Depth, in fathoms, 7/4
	Nature of bottom, Shell For me
	Direction of surface automat, SSW
	Force of surfice animons, 4
	Direction of Instrum convent. 14
	Force of bottom current,
	Name of vessel, Sold Land Angel
	To what service attached, 26 5 76
	Name and rank of commanding officer, I was A fine to
	Name and position of observer,

/2/5
REMARKS.

Specimens abteined

Drife- 8 6 8 6 1/2 8 SSE/2 & Stand

Instrument used,
Current number of observation, /2/5
Date, Aug 15th 1887
Locality, Middle Bugga. Is Bay
Locality, Middle Buggan to Bay Bearings, Dunfeling of W/8 A
les Pat Anxw/2 W ride Of Let site n
Time of day, 11.44 ; of tide, For I
State of sky, Le
Temperature of air, 69.5
surface of water, 70.5
" at depth of fathoms,
" of bottom, 7/
Depth, in fathoms, 71/2
Nature of bottomy, Alach much
Direction of Article Contract, & 877
Force of work of
Direction of Lotton symmetry
Force of bottom current,
Name of vessel, Sk & Fish Hawk!
To what service attached, 26 5 7 6
Name and rank of commanding officer, Januar A Contest
Alface 16 Sal
Name and nacition of absorptor

/216 REMARKS.

Specimens Colained

Instrument used, bridge
Current number of observation, 12/6
Date. 416 15th 1887
Locality, Middle word Buy gard 18 any
Bearings, Learning Le W/2 1
in Ct Starkmy who creas PL AXW
Time of day, /2,031%; of tide. There
State of sky, Lc
Temperature of air, 69
" surface of water, 70
" at depth of fathoms,
of bottom, 4/
Depth, in fathoms, $\gamma/2$.
Nature of bottom, Black Treed
Direction of surface SSW
Force of surface current
Direction of Lection of Lection, & 6 1/4
Force of bottom current,
Name of vessel, Sol Tish Hawle
To what service attached, 26 & 7 6
Name and rank of commanding officer, James of Smente
Mate 26 Sof
Name and position of observer,
Interest in

Strainers Oblained

Instrument used, Dredge
Current number of observation, /2/)
Date. Aca 15 4 1887
Locality. Medile part Rugger Jy 1309
Bearings, Deempling St W/24
the MI Anxw/2 or Aide Alos Awy's
Time of day, /2,20 : of tide. /Corv
State of sky,
Temperature of air, 69
" surface of water. 75
" at depth of fathours,
of bottom. 1/
Depth, in fathous. 7/2
Nature of bottom. Blacks issued
Direction of mineral Sm
Mary Col.
Direction of Lattom current. (E) 14
Force of bottom current,
Name of vessel, 26 & Fish Anule
To what service attached, 26 & 7 6
Name and rank of commanding officer, Leves Admission
Mate 26 & A
Name and position of observer,
Andenegation
That Is bit

1218

REMARKS.

Same 1214 Carnerl

/
Instrument used. Dridge
Current number of observation,
Date deep 15 1887.
Locality. Buzzacals 42 any
Bearings. Grenifling Lt 7 1/4 +
who MEANYWHAVER PELL AXWILM
Time of day, 12, 55; of tide, - Trank,
State of sky, Clonchy
Temperature of air, 69
" surface of water, "70
" at depth of fathonis,
" of hottom, "I
Depth, in fathoms,
Nature of bottom, Black med
Direction of wife the S. H.
Force of World
Direction of the state of the 14
Force of bottom current,
Name of vessel, & State of newfol
To what service attached, He & F. &
Name and rank of commanding officer, and the
Mate 16 d.
Name and position of observer,
Gulerug hon
In de 21 S. t

Decimens ablances

/	
Instrument used. And A.	
Current number of observation, /2/2	•
Date. 1 g / Sile	
Locality. De middle look lawy and (1)	en.
Bearings Durchling St 27	To the
sturke pet in xm /8W Oreda Po Stor xm /	in
Time of day, 1, 18 Perce: of tide, How	
State of sky, Claudy	
Temperature of air, 69.5	
surface of water, 70	
at depth of fathous,	
" of bottom, "	
Depth, in fathoms,	
Nature of bottom,	
Direction of subsection & W	
Force of wife company of	
Direction of Section o	Le.
Force of bottom current,	-0
Name of vessel, Ilah & Fisher Hawle	
To what service attached, 26 17 6	
Name and rank of commanding officer June 1	1
Main it & Solve	
Name and position of observer,	
Dr. L. I pm	

/2 2 0 REMARKS.

Dane or 1216

Instrument used, Archief
Current number of observation, 1226
Date, Auf 18-1 1887
Locality, Burgs. de Bay
Bearings, Dungling Il MXV
who Peter NXW/4W has Peter 1xm/47
Time of day, 1:272 K; of tide, Hord
State of sky, Gloudy
Temperature of air, 69.5
·· surface of water. 70
· at depth of fathous,
" of bottom, 72
Depth, in fathoms, 8/2
Nature of bottom, Black (mercl
Direction of Wards, So W
Force of surface current,
Direction of London LE 14
Force of bottom current,
Name of vessel, & & & Fish Hawk
To what service attached, 26 5 7 6
Name and rank of commanding officer Janus Admit
Name and position of observer
Andrughen
The ale Wish

/22/ REMARKS.

Same as 1216

f'
Instrument used, bridge
Current number of observation, /221
Date. Any 15th 1667
Locality, Beezgant Berg
Bearings, Gundling Lt 2 1
who PANXW/or Auds PSEAN
Time of day, 2, Ale ; of tide, Florida
State of sky, Claudy
Temperature of air, 69,5
" surface of water, 70
· at depth of fathoms,
·· of bottom, 72
Depth, in fathoms, 4//2
Nature of bottom, Placete wound
Direction of surface current
Force of surface current
Direction of Lations current.
Force of bottom current,
Name of vessel, 26 & Francisco Contest
To what service attached, H J F &
Name and rank of commanding officer, harmony, and the second
mate 26 S An
Name and position of observer,
Bulinightim
Martin Miles

REMARKS.

Sea Under Storms

Langer Star gish

Instrument used, Andges
Current number of observation, /2 2 2
Date, Aug 27 to 1887
Locality, Tures one of
Bearings Langualin Con W 3/8 & A lahofe 38/2
theke St 1 Xm /2 ON
Time of day, 10. 08 Qui of tide,
State of sky, 2-c
Temperature of air, 67
" surface of water, 68
" at depth of fathoms,
of bottom, 69
Depth, in fathoms, /2/2
Nature of bottom, , the sand Shell
Direction of surface current
Force of surface current,
Direction of Latton current West 3/4
Force of bottom current,
Name of vessel, 26 & Fish Hawle
To what service attached, 26 8 7 6
Name and rank of commanding officer, James History Me
mater to & N
Name and position of observer,

1223
REMARKS.

Starfish Sea Marchine Shell

Instrument used, Ander
Current number of observation, /2 2 3
Date. Aug 27th 1887
Locality, Vinyand Sound
Bearings. West tehole 38 14 &
kardin Cord N/2 & Arbelse A W x 4 %.
Time of day, 10, 2 0 asselof tide. Ell
State of sky, 2-
Temperature of air, 67
" surface of water, 68
" at depth of fathoms,
" of bottom, 68
Depth, in fathoms, /2/
Nature of bottom, Shell & Sauch
Direction of surface ourrent, ASW
Force of writing 2
Direction of hottom drient. Next 3/4
Force of bottom current,
Name of vessel, 26 & Fish Hantle
To what service attached. 26 \$76
Name and rank of commanding officer, land the
Thate 26 & ex
Name and position of observer,
Internehten
Terate 26 6 N

1224
REMARKS.

Same as 1223

Instrument used, bridge
Current number of observation. /2 2 4
Date, Auf 27 th 1887
Locality, Veryand Sound
Bearings, Larpauline Corr # 1/8 &
I Color & 8 X & 1/4 & Northe N/8 &
Time of day, 10.36 aux ; of tide. Elle
State of sky, 2c
Temperature of air, 67
" surface of water, 68
" at depth of fathoms,
" of bottom, 68
Depth, in fathoms, // //2
Nature of bottom, Sand Stell
Direction of surface current, N 5 W
Force of surface convent, 2
Direction of Lations of Later /2
Force of bottom current,
Name of vessel, 26 & Fish Antel
Fo what service attached. Ho & 7 6
Name and rank of commanding officer
Matico gen
Name and position of observer,
Shlonighton
hugher fr

IZZJ REMARKS.

Segement Mainers

Instrument used, Dridge
Current number of observation, 12 25
Date, Auf 27 1887
Locality, Vingand Amond
Bearings. Larkardin Con 17 1/4 5
bolea 1×8/48 Mul lange SEXE/48
Time of day. 10,5 5 accoffide. Este
State of sky, 2-e
Temperature of air, 67
" surface of water, 68
" at depth of fathoms,
of bottom,
Depth, in fathoms.
Nature of bottom. Land from the Shell
Direction of Much V & SVC
Force of surface of surface 2
Direction of minimum metals West /2
Force of bottom current.
Name of vessel. 86 & Fosle Franck
To what service attached, 26 5 7 6
,
Name and rank of commanding officer. James A with
Name and position of observer,
Menighton
mate Ho de

1226 REMARKS.

Specimens Whained

Instrument used, Rearn Frank III feet
Current number of observation; /2 2 6
Date, Aug 2) 2 1887
Locality, Very and Sound
Bearings, That lity Ex 8/28.
repart 18 Jankanien Cover W/8 S
Time of day, //_ / 4 acce; of tide, 216
State of sky, 2-c
Temperature of air, 67
" surface of water, 68
· at depth of fathous,
of hottom, 68
Depth. in fathoms, /3
Nature of bottom, paul Shell
Direction of Ward WSW
Force of confine currents 3
Direction of the West 1/4
Force of bottom current.
Name of vessel. U. & Fish Hawle
To what service attached. 26 8 7 6
Name and rank of commanding officer. James Home to
mate to be
Name and position of observer,
Imlenghton
matile & f

1227 REMARKS.

Server bear sponge tarini

A 4 6 11 1 3
Instrument used. Reason Lawl (1) set)
Current number of observation, /2 2 7
Date. Gres 27 1887
Locality, Vinery and Sound
Bearings Lankaulin Cov W 1/8 S
toka criffy or West though ENS/80
Time of day. //, 3 2 Ata; of tide, Cobo
State of sky, 2-c
Temperature of air, 67
" surface of water, 68
$\cdot \cdot \cdot$ at depth of fathoms,
of bottom. 68
Depth, in fathoms, /3
Nature of bottom, band tokell
Direction of Winds W & W
Force of surface of
Direction of the Mrst. 1/64
Force of bottom current.
Name of vessel. US & Fish Hawle
To what service attached. 26 7 6
Name and rank of commanding officer, James to ment
Egate U. S.
Name and position of observer,
Milereghtons
mate it bet
110000-00

1228 REMARKS.

Skale House Contra Contra Spanie Contra Spanie Contra Spanie

	Instrument used, Bearn Travel Ulfill
	Current number of observation, 1228
	Date. aug 29 (67)
	Locality. Vineyand Sning
	Bearings, Say Acad S & 1/2 &
. 2	Tophende sorreffer line for it of Sorsh Me
	Time of day, 10- 42 aux; of tide. Flore
	State of sky, D-L
	Temperature of air, 65
	" surface of water, 6 4
	" at depth of fathoms,
	" of bottom, 6/
	Depth, in fathoms, /8
	Nature of bottom,
	Direction of the AAE
	Force of surfacement,
	Direction of Literature Wrst 14
	Force of bottom current,
	Name of vessel, Clo & L Histo Haustel
	To what service attached, & BA
	Name and rank of commanding officer, James Asmiste
	materific
	Name and position of observer.
	Melenghton
	Emale do la

1229 REMARKS.

Leumere Haik Gloundere Starfiste

4
Instrument used, Beam Lawe III feet
Current number of observation. 12 2 9
Date, Aug 29 1877.
Locality, Mary and Sound
Bearings Vine and Stat Ship W/ & S
Tyhenck I + W/ A
Time of day, 11,12 alex of tide. Horry
State of sky,
Temperature of air, 66
" surface of water, 64
· at depth of fathous,
of bottom, 62
Depth, in fathoms, /5/2
Nature of bottom, Sauce
Direction of mining with the 6
Force of surface current
Direction of bottom current Well 1/2
Force of bottom current.
Name of vessel, 26 & Sinh Hawle
To what service attached, & & &
Name and rank of commanding officer,
Mate the to de
Name and position of observer,
Willem J. Lear
As at a start of

12 36 REMARKS.

Decement Oblained

Instrument used. Bearn Frank (11 feet)
Current number of observation, /210
Date. Que 29 2 1887
Locality. June 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Bearings. Vineyand I'd Lt W 1/8 4
Tyhunke St Axrr 3/42 Lay Head SE/2 &
Time of day, 1/14) Also of tide, Hord
State of sky,
Temperature of air,
" surface of water, 64
" at depth of fathoms,
" of bettom, 41
Depth, in fathoms,
Nature of bottom, \ Land
Direction of method company. A & &
Force of surface correction 3
Direction of hottom comments 27182 3/4
Force of bottom current,
Name of vessel, Cob & Hick round
To what service attached,
Name and rank of commanding officer,

Name and position of observer,

/23/ REMARKS.

Sand & Smart dead sheets

Instrument used, Analys
Current number of observation,
Date. Que 29 # 1887.
Locality, Dingard Sound
Bearings. Vinegant Silv WXN/2 N
leghend & 148 auty huch AXW /4)
Time of day, 12, 15 Plen: of tide. How
State of sky,
Temperature of air, 65
" surface of water, 64
" at depth of fathoms,
of bottom, 62
Depth, in fathoms, /6
Nature of bottom, 1 David
Direction of section 188
Force of market cultient
Direction of testom entrem, West /2
Force of bottom current,
Name of vessel, Colo History and
To what service attached. No & # 10
Name and rank of commanding officer, James & mick
mate is & h
Name and position of observer,
Inlene them

/232 REMARKS.

Little dans Trines

Instrument used. Beam Trans (11 feet.
Current number of observation, 1232
Date. aug 29" 1887
Locality, Vingan Tread
Bearings. Vinegar Soull St. Slip WX + 180
in heard 66/46 butty hande AMXA/84
Time of day. 1 PM : of tide. Hord
State of sky, 60
Temperature of air, & .
" surface of water, 6 4
" at depth of 13 fathous, 82/2
" of bottom, 12 1/2
Depth, in fathoms, /3
Nature of bottom, , mud & Sheeks
Direction of author open N N E
Force of surface current. 2
Direction of bottom current. West 3/4
Force of bottom current,
Name of vessel, Who Hish Hunte
To what service attached, 26 \$ 3, 76
Name and rank of commanding officer, Julymuth
mate ago
Name and position of observer,
I'M Oughton
mutiliza
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/とうさ REMARKS.

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	1 4 1 (.)
	Instrument used, Please Frank Office
	Current number of observation, 1233
	Date, Ouf 2 9 1867
	Locality, Viney and Dorened
,	Bearings, Voneyard St. Ship Will &
in	ity hunk of 18 & Spenhed & E'/8 3
	Time of day, 1.2) 1/2; of tide, Florid
	State of sky,
	Temperature of air, 65
	" surface of water, 64
	" at depth of /5/2 fathous, 62
	" of bottom, 62
	Depth, in fathoms, /3'/2
	Nature of bottom, a board shire
	Direction of military current, AAS
	Force of surface currents
	Direction of bottom convent. 12
	Force of bottom current,
	Name of vessel, USSH Hawle
	To what service attached, 20 8 4 10
	Name and rank of commanding officer, Anus Some
	muli ble an
	Name and position of observer
	I relenighton to
	mate to be

/234/ REMARKS.

Specimen alberinal

Instrument used, Indie
Current number of observation. 12 3 4
Date. Oling 29 1887
Locality, Viney and Sound
Bearings, Ly head A & 1/4 &
y were Source So N 5/8 to Lewity hunch smith
Time of day, 1-49 Pla; of tide, Hord
State of sky, 2-e
Temperature of air, 65
" surface of water, 64
" at depth of 13 fathous. 62.
" of bottom. 62,5
. 4. 1.
Depth, in fathoms, 13/2 Nature of bottom, 13/2 shale
march 1
Direction of The The State of T
r orce of
Direction of Control 274
Force of bottom current,
Name of vessel, & po Wish & Myth
To what service attached,
Name and rank of commanding officer,
Efficient to be
Name and position of observer, 1
Marchael
Charles and
. S. Tar. 10 . 10 . 10 . 10 . 10 . 10 . 10 . 10

1235 REMARKS. Executed de dans

Instrument used, Beaun Frank 111 feet
Current number of observation, /2 3J
Date. Jul 29" 1887
Locality, Venery of Sound
Bearings, Ly Head SEX 6/16
wand Di & Fritz for lait Huch Arris A
Time of day, 2.10 Me ; of tide. Hord
State of sky,
Temperature of air, GJ
" surface of water, 64
·· at depth of fathoms,
" of bottom, 62,5
Depth, in fathoms, /2
Nature of bottom, Soul Shill
Direction of surface current, 11 & &
Force of surface current, 2
Direction of hostom chreen. West /4
Force of bottom current,
Name of vessel. 26 & Fish Hawk
To what service attached. 26 6 F 6
Name and rank of commanding officer.
Matire & N
Name and position of observer.
Moneghion
matellefor

1236 REMARKS.

Speciemeno attained

Instrument used,
Current number of observation, 1236
Date,
Locality,
Bearings,
Time of day, ; of tide.
State of sky,
Temperature of air,
" surface of water,
· at depth of fathoms,
" of bottom,
Depth, in fathoms,
Nature of bottom,
Direction of surface comment.
Force of surface current
Direction of lecton current
Force of bottom current,
Name of vessel, It & I From It such
To what service attached, 26 17-6
Name and rank of commanding officer. Samuel omitte
quali Ufn
Name and position of observer,

/237 REMARKS.

Operinens Obtained

Instrument used,

Current number of observation, 72 3 7
Date,
Locality,
Bearings,
Time of day, ; of tide.
State of sky,
Temperature of air,
surface of water.
" at depth of fathoms,
· of bottom,
Depth, in fathoms,
Nature of bottom,
Direction of surface surrent.
Force of musing correct,
Direction of bottom current;
Force of bottom current,
Name of vessel, 26 & Fish H matel
To what service attached, 26 17 6
Name and rank of commanding officer, January Smill
Maturen
Name and position of observer,

/238' REMARKS.

See increase to the marks

Instrument u	sed,
Current num	ber of observation, 12 3 for
Date.	
Locality,	
Bearings,	
Time of day,	; of tide,
State of sky,	
Temperature	of air,
4.5	surface of water,
4.6	at depth of fathoms,
4.6	of bottom,
Depth, in fath	noms,
Nature of bot	tom,
Direction of	writen current,
Force of surf	and outpout.
Direction of 4	ction dizenst.
Force of botto	/
Name of vess	el, 26 & Fish Hartel
To what servi	ice attached, 26 176
Name and ran	ak of commanding officer, Line About
	Materia
Name and pos	sition of observer,

1239 REMARKS.

Specimens ablained

Instrument used.

Current number of observation. 123

Date,	
Locality,	
Bearings,	
Time of day	; of tide,
State of sky,	
Temperature	e of air,
44	surface of water,
	at depth of fathoms,
41	of bottom,
Depth, in fat	homs,
Nature of bo	ottom, /
Direction of	our lacty other nt.
Force of sur	free consession
Direction of	hatom surrent
Force of bot	
	sel, Stod Fish Harries
To what ser	rice attached. 26 8 7 6
Name and ra	nk of commanding officer, Ame America
	Materifu
Name and pe	osition of observer,

ارگ کے ک REMARKS.

Specimens attained

. . .

Instrument used,
Current number of observation, 72 4 0
Date,
Locality,
Bearings,
Time of day, ; of tide,
State of sky,
Temperature of air,
" surface of water,
" at depth of fathoms,
" of bottom,
Depth, in fathoms,
Nature of bottom,
Direction of surface ourrent,
Force of surface oursets
Direction of bottom chrosest,
Force of bottom current,
Name of vessel, It & Fish Hawle
To what service attached, & 176
To what service attached, So & 76 Name and rank of commanding officer, James Admith Wattus for
Name and position of observer,

REMARKS.

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