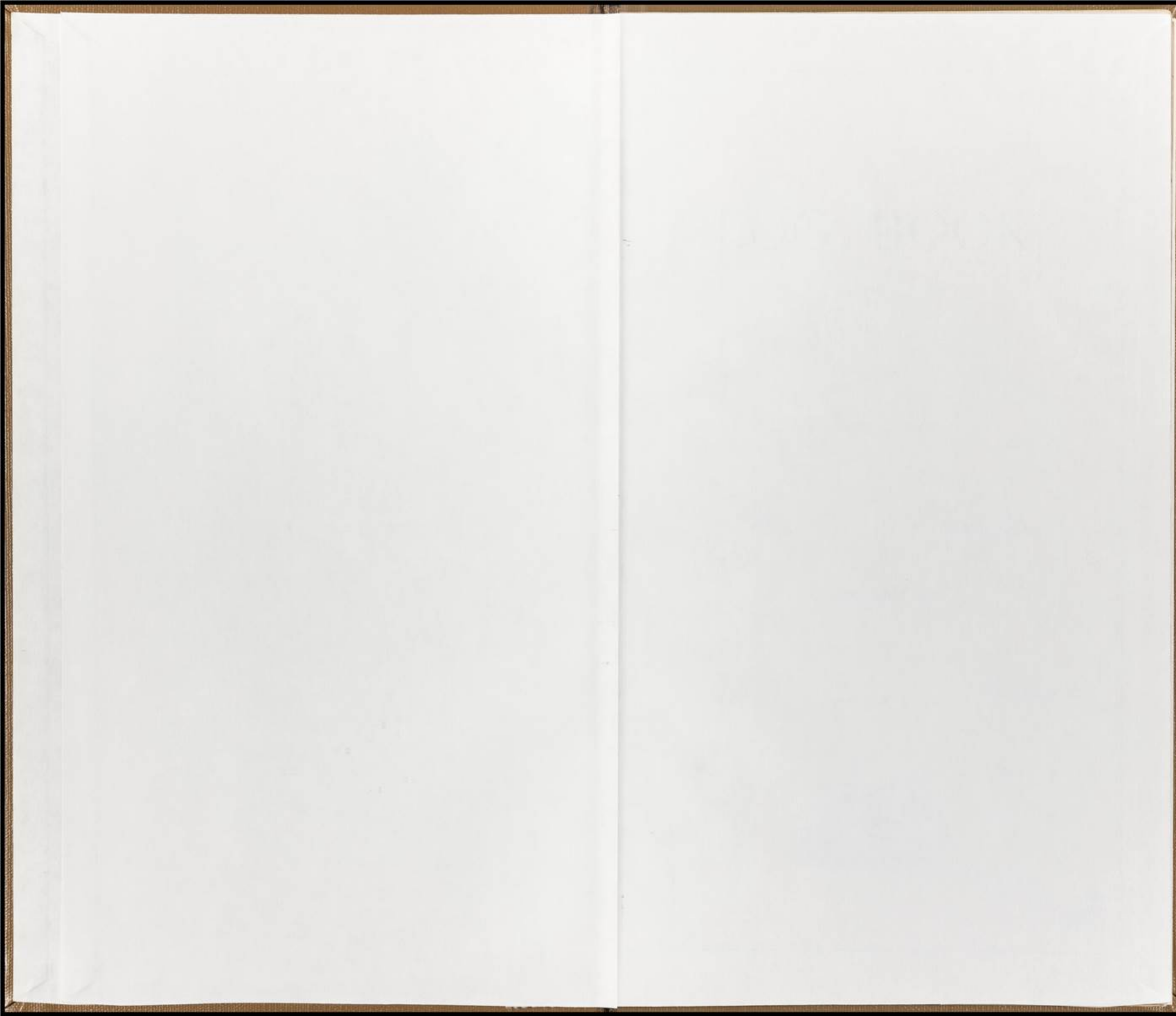


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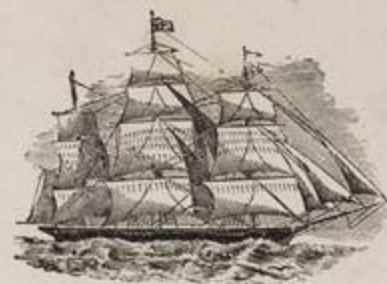
LOG BOOK

Voyages of the

Bark Enterprise

Commanded by

Cpt. George Swanson



FOG BOOK

From

towards

H.	K.	$\frac{1}{2}$ K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	day of	190
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
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H.	K.	$\frac{1}{2}$ K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	day of	190
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
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From

towards

Bu

From

San Francisco

towards

Bristol Bay

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	day of	190
A.M.	1										
	2										
	3										
	4										
	5										
	6										
	7										
	8										
	9										
	10										
	11										
	12										
P.M.	1										
	2										
	3										
	4										
	5										
	6										
	7										
	8										
	9										
	10										
	11										
	12										

Saturday April 14th 19068³⁰ am left San Francisco for
Kuskagack River Bristol Bay
in tow of tug Sea KingShips Draught forward 19 feet
aft 19 feet 4 in.

Ships Complement of men

63 White men including

Captain and Officers P.S. one White fisherman
not appear 64 all the

181 Chinamen and Japs for Cannery

two white Stowaways found during night

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	day of	190
M.	1	4	S.W.	N.W. x W. 1/2							
	2	4									
	3	2									
	4	1	S.W.	" — " "							
	5	4									
	6	"									
	7	"									
	8	"	S.W.	" — " "							
	9	6	S x W	" — " "					tacked Ship		
	10	3									
	11	"									
	12	"	N.N.W.	W x S					Weather overcast Sea smooth all sails set		
	1	4									
	2	"									
	3	"									
	4	"	N.N.W.	" — " "					lights lookout and pumps attended to		
	5	4 1/2									
	6	"									
	7	"									
	8	"	" — " "	" — " "					2 Days Out		
	9	2 1/2									
	10	"									
	11	2									
	12	2	W.N.W.	" — " "					all well		

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by

Ship Sighted same as articles

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by

84 0.7'

35° 49'

126° 45' 15"

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	day of	190
A.M.	1										
	2										
	3										
	4										
	5										
	6										
	7										
	8										
	9										
	10										
	11										
	12										
P.M.	1										
	2										
	3										
	4										
	5										
	6										
	7										
	8										
	9										
	10										
	11										
	12										

1 P.M. Farellons bare magentic

N.N.W. Distance off 7 miles
that is where we took our departureApril 15th

All sails set wind from N.N.W.

Sea smooth Ship Steady S.W.

Log noted at departure 44

Ships Position at noon

Lat 35° 42' North

Long 121° 30' West one Day Out

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	day of	190
M.	1	7									
	2	"									
	3	"									
	4	"	S.W. x W. 1/2	N.N.W.							
	5	8	S.W. x W.	N.W. 1/2							
	6	"									
	7	"									
	8	"	" — " "	" — " "							
	9	"									
	10	"									
	11	"									
	12	"	S.W. x W. 1/2	"							
M.	1	5									
	2	"									
	3	"									
	4	"	S.W. x W.	"							
	5	"									
	6	"									
	7	"									
	8	"	W.S.W.	"	1.						
	9	"									
	10	4									
	11	"									
	12	"	S.W. x W.	"							

30.60

This Day commenced
with fresh breeze
from N.W. and

continued so till

midnight when

it fell lighter,

continued from N.W.

through the Day

Julius Unger under

medical treatment

by the Captain, for delirium

tremor and pumps

attended to

30.60

3 Days Out

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by

W x S. 140 27.3 137.3 35° 22' 35° 14' 16° E 2° 48' 129° 03' 129° 32' W

8.

From *San Francisco* towards *Bristol Bay*From *San Francisco* towards *Bristol Bay*

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
A.M.	1									This Day commenced with calm and continued so through the Day, with a light breeze from the westward towards morning. Sprunker and Joff topsail and main topmast staysail.
	2									
	3									
	4			S x W	Calm	1'				
	5									
	6									
	7									
	8									
	9									
	10									
	11									
	12									
P. M.	1									Julius Unger Delirious through these twenty four hours, and had to have constant guard of two to three men.
	2									
	3									
	4									
	5	2								
	6	"								
	7	"								
	8	"		South West	"					
	9	3								
	10	"								
	11	"								
	12	"								

30.56 Down mast of D.
Lights Lookout and Pumps attended to 4 Days Out.

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
M.	1	2 1/2								This Day commenced with very light N.E. wind and hauled gradually towards East and South East during forenoon. I am mind increased furred. Gaff topsail and Mizzen Gallant stay sail.
	2	"								
	3	"			N. N. E.	0				
	4	"			N. W.	0				
	5	2 1/2			N. N. W. 1/2 W.	0				
	6	"								
	7	"								
	8	"			N. E.	0				
	9	6			N. N. W.	0				
	10	"								
	11	"			N. N. W.	0				
	12	"			N. E.	0				
C.M.	1	8								Lights Lookout and Pumps attended to 6 Days Out Julius Unger improving, at present asleep.
	2	"								
	3	"								
	4	"			2 S. E.	0				
	5	6								
	6	"								
	7	"								
	8	"			3. E.	0				
	9	8 1/4								
	10	"								
	11	"								
	12	1 1/4			N. N. W. W x S.	1/2				

30.05

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
S x W 1/2 W	31	28	8.2	34° 45'	34° 46'	N° E	10'	129° 44'	129° 4'
N 3/4 W	134	98'	88.2	36° 16'	36° 18'	15° E	10' 49'	132° 20'	132° 22' 30"

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
A.M.	1									Day started with calm and sea some a light westerly wind springing up towards evening, and hauled to N. N. E. running the north, by noon very light.
	2									
	3									
	4				Calm					
	5	1								
	6	1								
	7	1								
	8	1		S. S. W.	W x N	1/2				
	9	1 1/2								
	10	"								
	11	"								
	12	1 1/4		S. W.	W x W	"				
P. M.	1	2								Our patient J. Unger still desperate sick and under guard and medical treatment. Lights and Lookout attended to 5 Days Out.
	2	"								
	3	"								
	4	"								
	5	2								
	6	"								
	7	"								
	8	"								
	9	2 1/4								
	10	"								
	11	"								
	12	"								

30.30
5 Days Out

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
M.	1	7	1/4	N. W.	S x W	1/2				Day commenced with fresh N. S. W. wind and continued so through the Day, at times light rain & squalls, wind varying in squalls and the two points furred royals and topsail. Mizzen Gallant stay sail 3 PM.
	2	"								
	3	"								
	4	"			N. W.	"				
	5	8								
	6	"								
	7	"								
	8	8			N. W. 1/2 W	"				
	9	5-	1/2							
	10	"								
	11	"								
	12	5-	1/4		N. N. W.	W x S				
C.M.	1	"								30.14-10 am furred fore Gallant sail and flying jib Julius Unger improving, slept all night. Lights Lookout and Pumps attended to 7 Days Out.
	2	"								
	3	"								
	4	5-								
	5	5 1/2								
	6	"								
	7	"								
	8	5 1/2								
	9	7								
	10	"								
	11	"								
	12	"								

30.05

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 7 W	42	6'	34'	34° 39'	34° 40'	N° E	42'	130° 28'	130° 33'
W x S 1/4 S	145	139	42.1	38° 42'	38° 46'	16° E	53'	133° 16'	133° 19' 30"

From *San Francisco* towards *Bristol Bay*

From *San Francisco* towards *Bristol Bay*

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
22 day of April 1906									
A.M.	1	"	"	"	"	"	"	"	This day started
	2	"	"	"	"	"	"	"	with S.W. wind
	3	"	"	"	"	"	"	"	and gradually at
	4	7 1/2	N.W. x N. S.W. x S 1/2	"	"	"	"	"	times, hauled
	5	"	"	"	"	"	"	"	towards the W.
	6	"	"	"	"	"	"	"	during morning
	7	"	"	"	"	"	"	"	let tow and
	8	5	N.W. N.S.W.	"	"	"	"	"	main Gallant
	9	"	"	"	"	"	"	"	Sails & Am.
	10	"	"	"	"	"	"	"	Lights Lookout
	11	"	"	"	"	"	"	"	and
	12	3	N.W. x N. N.S.W.	"	"	"	"	"	Pumps attended
P.M.	1	"	"	"	"	"	"	"	8 Days Out
	2	"	"	"	"	"	"	"	Julius Unger
	3	"	"	"	"	"	"	"	recovered from
	4	4	1/2 N.W. x N. S.W.	"	"	"	"	"	his sickness
	5	"	"	"	"	"	"	"	
	6	"	"	"	"	"	"	"	
	7	"	"	"	"	"	"	"	
	8	1 1/2	N.W. x N.	"	"	"	"	"	
	9	"	"	"	"	"	"	"	
	10	"	"	"	"	"	"	"	
	11	"	"	"	"	"	"	"	
	12	6 1/2	N.W. x N. N. x S	"	"	"	"	"	

30.02
Lights Lookout
and
Pumps attended
8 Days Out
Julius Unger
recovered from
his sickness

29.96

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
N.W. 1/2 N	128	89.1	89.1	40° 27'	40° 23'	16° E	88	134° 16'	134° 10'

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
23 day of April 1906									
A.M.	1	3 1/2	N 1/2 E	"	"	"	"	"	Day Commenced
	2	"	"	"	"	"	"	"	with Westly Wind
	3	6 1/2	S.S.W.	"	"	"	"	"	and Squalls
	4	"	"	"	"	"	"	"	L.P.W. hauled
	5	4	"	"	"	"	"	"	N.W. N. tacked
	6	"	"	"	"	"	"	"	Ship. Sea choppy
	7	"	"	"	"	"	"	"	
	8	"	S.W. x S	"	"	"	"	"	
	9	3 1/2	"	"	"	"	"	"	
	10	"	"	"	"	"	"	"	
	11	"	"	"	"	"	"	"	
	12	"	S.S.W.	"	"	"	"	"	
P.M.	1	"	"	"	"	"	"	"	10 Am tacked
	2	"	"	"	"	"	"	"	again wind changed
	3	"	"	"	"	"	"	"	S.W.
	4	"	S.W.	"	"	"	"	"	Julius Unger
	5	"	"	"	"	"	"	"	Recovered
	6	"	"	"	"	"	"	"	Lights Lookout
	7	"	S.W. x E tacked Ship	"	"	"	"	"	Pumps attended
	8	"	"	"	"	"	"	"	9 Days Out
	9	"	S x W	"	"	"	"	"	
	10	"	S 1/2 E tacked Ship	"	"	"	"	"	
	11	"	"	"	"	"	"	"	
	12	6	N.W. x N	"	"	"	"	"	

30.05
10 Am tacked
again wind changed
S.W.
Julius Unger
Recovered
Lights Lookout
Pumps attended
9 Days Out

30.10

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
S.S.W.	108	21.3	50	39° 40'	39° 37'	16	62'	135° 18'	135° 12'

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
24 day of April 1906									
	1	"	"	"	"	"	"	"	Day started with
	2	"	"	"	"	"	"	"	heavy Squalls
	3	"	"	"	"	"	"	"	with S.W.
	4	6	N.W. x N. S.W. x S 1.	"	"	"	"	"	I am wind hauled
	5	"	"	"	"	"	"	"	round to W x N
	6	"	"	"	"	"	"	"	blowing a Gale
	7	"	"	"	"	"	"	"	Wessel laid for
	8	4	N.W. x N	"	"	"	"	"	lower Topsails
	9	"	"	"	"	"	"	"	and fairsail
	10	"	"	"	"	"	"	"	heavy Sea, rolling
	11	"	"	"	"	"	"	"	hard.
	12	2	N x N	"	"	"	"	"	Lights Lookout
	1	"	"	"	"	"	"	"	Pumps attended
	2	"	"	"	"	"	"	"	to
	3	"	"	"	"	"	"	"	
	4	2	S.W. x N	"	"	"	"	"	
	5	"	"	"	"	"	"	"	
	6	"	"	"	"	"	"	"	
	7	"	"	"	"	"	"	"	
	8	2	S.W.	"	"	"	"	"	
	9	"	"	"	"	"	"	"	
	10	"	"	"	"	"	"	"	
	11	"	"	"	"	"	"	"	
	12	2	S.W.	"	"	"	"	"	

Day started with
heavy Squalls
with S.W.
I am wind hauled
round to W x N
blowing a Gale
Wessel laid for
lower Topsails
and fairsail
heavy Sea, rolling
hard.
Lights Lookout
Pumps attended
to
10 Days Out

64° 30.46

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
N.W. x S	60	5'	67'	40° 02'	40° 02'	16° E	191'	136° 31'	136° 34'

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
25 day of April 1906									
	1	"	"	"	"	"	"	"	This day commenced
	2	"	"	"	"	"	"	"	with heavy S.S.W.
	3	"	"	"	"	"	"	"	Gale. Vessel
	4	2	S.S.W. x N 1.	"	"	"	"	"	rolling hard
	5	"	"	"	"	"	"	"	and shipping
	6	"	"	"	"	"	"	"	water, moderated
	7	"	"	"	"	"	"	"	towards morning
	8	9	N x N S.S.W. 0.	"	"	"	"	"	let Sails to steady
	9	"	"	"	"	"	"	"	Ship, I am Gallant
	10	"	"	"	"	"	"	"	Sail set, Sea moderate
	11	"	"	"	"	"	"	"	
	12	"	"	"	"	"	"	"	
	1	9	N x N S.S.W. 0.	"	"	"	"	"	Lights Lookout
	2	"	"	"	"	"	"	"	and attended
	3	"	"	"	"	"	"	"	Pumps to
	4	8	N x N S.S.W. 0.	"	"	"	"	"	
	5	"	"	"	"	"	"	"	
	6	"	"	"	"	"	"	"	
	7	"	"	"	"	"	"	"	
	8	7	N x N S.S.W. 0.	"	"	"	"	"	
	9	"	"	"	"	"	"	"	
	10	"	"	"	"	"	"	"	
	11	"	"	"	"	"	"	"	
	12	2	N.W. x N x S 1/2	"	"	"	"	"	

This day commenced
with heavy S.S.W.
Gale. Vessel
rolling hard
and shipping
water, moderated
towards morning
let Sails to steady
Ship, I am Gallant
Sail set, Sea moderate
Lights Lookout
and attended
Pumps to
11 Days Out
12 noon a heavy
Sea struck vessel
part. bow, and
knocked in 3 dead
lights, also lost light
two plates flying
two strong cracked

30.20

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
N.W. x S	112	32'	128	40° 14'	40° 14'	16° E	147'	139° 04'	139° 04'

From San Francisco towards Bristol Bay

From San Francisco towards Bristol Bay

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
A.M.	1	"								Day started with
	2	"								Equally weather
	3	"								from 7 P.M.
	4	7		NW x N	WSW	1/2				hauled Gallant
	5	"								Sails at 10 P.M.
	6	"								heavy S.W. Sea
	7	"								Vessel sailing
	8	7		"	"	"				hard
	9	"								Rights Leaked
	10	"								and
	11	"								Pumps Attended
	12	6	1/2	NW x N	"	"				To
P.M.	1	"								12 Days Out
	2	"								
	3	"								
	4	4	1/2	"	"	"				One Italian Sick
	5	"								Attended by
	6	"								Captain
	7	4	1/2	NW.	"	"				have been sick
	8	"								for 5 Days
	9	"								but is getting
	10	"								Worse
	11	"								
	12	5	1/2	NNW	"	"			30.10	

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
A.M.	1	"			1/2	"				Day started with
	2	"				"				Equally weather
	3	"				"				from 7 P.M.
	4	3		NW x N	"	WSW				hauled Gallant
	5	"		"	"	"				Sails at 10 P.M.
	6	"		"	"	"				heavy S.W. Sea
	7	"		"	"	"				Vessel sailing
	8	5		"	"	"				hard
	9	"		"	"	"				Rights Leaked
	10	"		"	"	"				and
	11	"		"	"	"				Pumps Attended
	12	"		"	"	"				To
P.M.	1	"			"	"				12 Days Out
	2	"			"	"				
	3	"			"	"				
	4	5	1/2	"	"	"				One Italian Sick
	5	"		"	"	"				Attended by
	6	"		"	"	"				Captain
	7	"		"	"	"				have been sick
	8	5	1/2	"	"	"				for 5 Days
	9	"		"	"	"				but is getting
	10	"		"	"	"				Worse
	11	"		"	"	"				
	12	7	1/2	"	WSW	"			64.00 0.0 30.46	

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.

N x N 175 2° 5' 4" 22' 43° 27' 43° 28' 16° 8' 26' 139° 26' 139° 29'

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.

N 3 3/4 W 112 133° W 58. 46° 51' — 17° 6' 102° 14 140° 49' —

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
A.M.	1	"								Day started with
	2	"								heavy Squalls
	3	"								from 7 P.M.
	4	6	1/4	NW x N	WSW	1.				with very heavy
	5	"								Sea Vessel sailing
	6	"								hard, light
	7	"								Sails hauled
	8	6		N.W.	"	1.				Gaining Italian
	9	"								Ship Sick
	10	"								moved him off
	11	"			WSW	1.				to state room
	12	5		N.W.W	"	1.				for to have him
P.M.	1	"								Cease at hand
	2	"								
	3	"								
	4	5	1/4	"	"	1.				Weather made
	5	"								towards morning
	6	"								set Gallant sail
	7	"								
	8	3		"	"	1.				lights Leaked
	9	"								and
	10	"								Pumps Attended
	11	"								
	12	4	1/4	NW x N	WSW	1.			30.38	13 Days Out

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
A.M.	1	"								Day started with
	2	"								Southwesterly Wind
	3	"								and continued
	4	"			WSW	1.				to till day passed
	5	"								all sail set.
	6	"								
	7	"								lights Leaked
	8	"			WSW	1/2				and
	9	"								Pumps Attended
	10	"								
	11	"								
	12	"								15 Days Out
P.M.	1	"								
	2	"								
	3	"								
	4	"								
	5	"								
	6	"								
	7	"								
	8	"								
	9	"								
	10	"								
	11	"								
	12	"			WSW	66°			30.46	Station improving

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.

N 15° W 107 1° 44' 028' 43° 14' 43° 18' 16° 8' 28' 140° 02'

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.

N 23 3/4 S 155 22.7 153.3 46° 28' — 16° E 3° 30' 145° 19' —

23/4 S

From San Francisco towards Bristol Bay

From San Francisco towards Bristol Bay

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
A.M.	1								This day commenced
	2								with light S.W. wind
	3								and foggy
	4	5	1/2 N.S.W.	S x E	1/4				Wind getting light
	5								towards midnight
	6								Calms in the
	7								morning and heeled
	8	4							to N.W. and felt
	9								Calms again
	10								
	11								Lights Lookout
	12	5						30.26	Pumps attended
P.M.	1								to
	2								foggy signals saved
	3								
	4	2							Italian fisherman
	5								improving gradually
	6								
	7								16 Days Out
	8	1							
	9								
	10								
	11								
	12							30.28	Calms

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
A.M.	1								Day passed in
	2								light mostly wind
	3								and heavy mostly
	4	3	N.W. - N	mostly	1/2				small sailing boats
	5	3	N.W. - N						5 P.M. Tacked
	6								ship and steved
	7								towards the south
	8	2	1/2 S.S.E.						all sails set
	9	3							
	10								Lights Lookout
	11								and
	12	3						30.46	Pumps attended
P.M.	1								to
	2								18 Days Out
	3								Southern Current
	4	2	South						
	5								Station improving
	6								slightly
	7								
	8	1	1/2						
	9								Coast down with
	10								a heavy cold
	11								but improving
	12	1						30.18	

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.

N 1/4 S 80' 3' 79.9 46 21' 20° E 1° 55' W 147° 14'

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.

N 1/4 S 80' 3' 79.9 46 21' 20° E 1° 55' W 147° 14'

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
A.M.	1								Day commenced
	2								with light S.W. wind
	3								increased
	4	3	N.W. - N 1/2 W.	S.W.					towards midnight
	5								furled small sails
	6								12.30 furled
	7								Gallant sails and
	8	7	1/2 W x N	S.S.W.					Mizzen middle
	9								Shut sail 2.30 am
	10								furled fore upper
	11								topsail, blowing
	12	6	1/2 West	S x W				30.15	hard from South
P.M.	1								5 am. furled main
	2								sail, wind hauled
	3								towards S.W. during
	4	7	1/2 W. S.W.	S. E					morning and left
	5								lights set fore top
	6								sail and Gallant
	7								sails, heavy swell
	8	4	1/2 West	S x W					from P.M. passed
	9								laboring hard
	10								Lights Lookout and fire
	11								attended to
	12	3	1/2 West	S.W.				30.50	17 Days Out

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
A.M.	1								Day Passed in
	2								Calms
	3								Station Very Sick
	4								Coast improving
	5								
	6								Lights Lookout
	7								and
	8								Pumps attended
	9								to
	10								19 Days Out
	11								
	12								

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.

N. W. 130 1° 32' 91.9 47.5' 20° E 2° 1/2' 149° 26'

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.

13 149° 26' 21° 8' 05' 149° 40'

From *San Francisco* towards *Bristol Bay*

From *San Francisco* towards *Bristol Bay*

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	4 day of May 1906
A.M.	1										
	2										
	3										
	4										
	5										
	6	2		N x S.		0.					
	7	"		"							
	8	"		"							
	9	"		"							
	10	"		"							
	11	"		"							
	12	2	1/4	"	North						
P.M.	1	"	"	"			54°		30.58		
	2	"	"	"							
	3	"	"	"							
	4	4	1/2	"	"	"					
	5	"	"	"							
	6	"	"	"							
	7	"	"	"							
	8	5	1/2	"	"	"					
	9	"	"	"							
	10	"	"	"							
	11	"	"	"							
	12	5	1/4	"	"	"	56°		30.65	22 Days Out	

This Day commenced with calm, till 5 P.M. when wind started from N.W. Very light, increased gradually towards morning, hauled to North during forenoon increasing slightly to a five mile speed, all sails set
 Light Lookout and Pumps attended to
 Italian Fisherman improving slightly
 Air Chief appearing to look him off to watch for better attendance.
 22 Days Out

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	6 day of May 1906
A.M.	1										
	2										
	3										
	4										
	5										
	6										
	7										
	8										
	9										
	10										
	11										
	12										
P.M.	1										
	2										
	3										
	4										
	5										
	6										
	7										
	8										
	9										
	10										
	11										
	12										

about 170 knots
 from from log line
 down
 estimated
 22 Days Out
 Italian Fisherman
 Coast Improving

Day started with a storm from N.E. 2 P.M. fished fore and main upper topsails, hauled to him before the wind. 3 P.M. fished fore sail, sail split and gear coiled away. Vessel sitting back, shipping heavy water at times, but no casualties
 Lights Lookout and Pumps attended to
 22 Days Out
 Italian Fisherman
 Coast Improving

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.
 N x 1/2 N 85-0.25' 8/3 49°37' 49°39' 21°8 2°04' 151°74' 151°04'

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.
 N x 1/2 N 170 65' 151.1 48°53' 20°E 39°0' 160°30'

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	5 day of May 1906
A.M.	1										
	2										
	3										
	4	5		N.S.W. 2 x 6 0.							
	5	"		"							
	6	"		"							
	7	"		"							
	8	7		"							
	9	"		"							
	10	"		"							
	11	"		"							
	12	7	1/4	"					30.42		
P.M.	1	"	"	"							
	2	"	"	"							
	3	"	"	"							
	4	8	3/4	"							
	5	"	"	"							
	6	"	"	"							
	7	"	"	"							
	8	9	"	"							
	9	"	"	"							
	10	"	"	"							
	11	"	"	"							
	12	10	1/2	"			52°		30.16	21 Days Out	

Day started with moderate breeze from S.W. increasing towards morning 9. Am. fished Royals and Gaff topsail (Reefed) Sprinker and set again, 11. Am. fished fore and gallant sail and main sail. Wind increasing and rain at times weather overcast
 12 noon fished sprinker and Mizzen top sail
 Lights Lookout and Pumps attended to
 21 Days Out

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	7 day of May 1906
A.M.	1										
	2										
	3										
	4										
	5										
	6										
	7										
	8										
	9										
	10										
	11										
	12										
P.M.	1										
	2										
	3										
	4										
	5										
	6										
	7										
	8										
	9										
	10										
	11										
	12										

The heavy storm still prevailing 12.30 P.M. hauled vessel to the wind wind hauled slightly towards the North 2 P.M. wind from N.W. with heavy squalls, but moderated during night.
 air sick Falke's improving
 Lights Lookout and Pumps attended to
 23 Days Out

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.
 N x 1/2 N 189 18.5 188.1 49°58' 21°8 2°53' 166°41'

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.
 " " " " " " 71°28' " " " 164°11'

From *San Francisco* towards *Bristol Bay* 8th day of May 1906

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
A.M.	1								Lay started with light winds
	2								3.00 Variable
	3								most of sails set
	4								Lights back and
	5								Pumps attended to
	6								2 1/2 days out
	7								back to work
	8								Italian better
	9								
	10								
	11								
	12								
P.M.	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
	11								
	12								

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
A.M.	1								Lay commenced with moderate wind from N.W.
	2								hauled toward the North, and commenced blowing
	3								furled lightsails
	4								also foreupper topsail and
	5								main sail, weather
	6								foggy, 6 am wind
	7								hauled to N.E. and fell lighter
	8								set more sails
	9								Lights back and
	10								Pumps attended
	11								sick folks back
	12								2 1/2 days out
P.M.	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
	11								
	12								

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.

From *San Francisco* towards *Bristol Bay* 10th day of May 1906

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
A.M.	1								Lay started with moderate weather
	2								but glass very low, vessel
	3								under small sails, during
	4								night, set fore
	5								Gallant sail
	6								and main sail
	7								2 am. furled
	8								same 5 am.
	9								weather cleared
	10								and mist but
	11								cleared North
	12								tempest and
P.M.	1								Lights back and
	2								Pumps attended
	3								2 6 days out
	4								
	5								
	6								
	7								
	8								
	9								
	10								
	11								
	12								

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
A.M.	1								Strong wind and heavy sea from the N.W.
	2								hauled toward the North, and commenced blowing
	3								furled lightsails
	4								also foreupper topsail and
	5								main sail, weather
	6								foggy, 6 am wind
	7								hauled to N.E. and fell lighter
	8								set more sails
	9								Lights back and
	10								Pumps attended
	11								sick folks back
	12								2 1/2 days out
P.M.	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
	11								
	12								

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.

From *San Francisco* towards *Bristol Bay* 12 day of May 1906

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
A.M.	1								Day started with
	2								heavy storm
	3								from the westward
	4	1	1/2 N x W	Wind	1 1/2	48°		29.18	Vessel under lower
	5								sails and barometer
	6								11 P.M. hauled
	7	4	1/2 N x W						Fore sail, wind
	8	1	S.S.W.						increasing
	9								
	10								P.P. Viced ship
	11								at 7 P.M.
	12	2	1/2 S S W	Dr. N				29.20	heavy sea from
P.M.	1								South and West
	2								Vessel riding high
	3								on Starboard the
	4	1	0.						Right Lookout
	5								and
	6								Pumps Attended
	7								to Out
	8	1	0.						28 Days Out
	9								Italian Better
	10								
	11								
	12	2	1/2			46°		29.64	

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.
 25° 20' 7' 11.1 53° 02' 18° 8' 163° 40' 168° 8'

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
A.M.	1								Day commenced
	2								dark as last day
	3								ended with
	4	2	1/2 S S W	Dr. N W	1/4				heavy sea and storm
	5								from the westward
	6								moderated lower
	7								morning set Vices
	8	1	1/4						6 am and Viced
	9								at 10 am. Set
	10								hauled sails and
	11								sea moderating
	12	1	1/2			48°		29.50	still weather
P.M.	1								unsettled, no Observ
	2								this day
	3								Lights Lookout and
	4	4	1/2						Pumps Attended to
	5								29 Days Out
	6								Italian Fisherman
	7								improving slightly
	8	4	0						
	9								
	10								
	11								
	12	4	0						

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.
 11° 27' 9.75 33.3 52° 53' 17° 8' 41' 164° 27'

From *San Francisco* towards *Bristol Bay* 14 day of May 1906

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
A.M.	1								Day started with
	2								strong breeze from
	3								N.W. fell light
	4	6	1/4 N.E. N	N.W. 1/2					during first part
	5								of night 12 P.M.
	6								hauled ship
	7								Wind hauled to
	8	5	1/4						the Northward
	9								10 am hauled near
	10								to N.E.
	11								Sea smooth wind
	12	2	0						moderate
P.M.	1								all sails set
	2								no observation to
	3								be depended on
	4	1							Lights Lookout and
	5								Pumps Attended to
	6								
	7								Our Patients
	8	1	1/4 West	North	0.				Our Patient
	9								improving slightly
	10								
	11								
	12	5	0	N.W. x W	N.N.E. 0.	17°		30.52	30 Days Out.

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.
 127° 8' 66 40' 21.7 53° 30' 53° 08' 7° 8' 50' 163° 54' 163° 23'

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
A.M.	1								Day started with
	2								light N.W. 6
	3								Wind, steering
	4								N.W. x N true
	5								Course, lighted
	6								Land at 3 P.M.
	7								which proved to
	8								be Unimak
	9								Island on air
	10								Starboard Bow
	11								continued air
	12								causes which was
P.M.	1								right for the
	2								Pass, 10 P.M.
	3								Wind fell light
	4								and hauled to
	5								N.W. 11 P.M.
	6								hauled ship and
	7								stood off shore
	8								3 pm hauled and
	9								stood in to the
	10								Pass wind light
	11								and Easter
	12								at noon via the Pass

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.
 54° 1/4 164° 45'

From San Francisco towards Tamaris Bristol

From San Francisco towards Bristol Bay

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
A.M.	1								Day Damaged
	2								with light
	3								Variable winds
	4								drifting around
	5								in entrance to
	6								the Pass.
	7								1 P.M. Lighted
	8								Steamer Kishagel
	9								3 P.M. Spoke us
	10	97	NW 1/2 N						4 P.M. Tacked us
	11								in town, 6 P.M.
	12	3							Tacked all sails
P.M.	1								Blowing heavily
	2								and fog. Reaching
	3								sun. 10 P.M.
	4	13	NW x N						Steamer signaled
	5								to at 9 P.M.
	6								Set sails Wind and
	7								weather moderate
	8	26	SW x W						Spritsheet light here by
	9								Standard compass
	10								Bar. Lighted Lookout and
	11								30.48 Pumps Attended to
	12	66	N.W.						

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
M.	1								Day Damaged
	2								light Easterly wind
	3								Shed towards the
	4	6	N x W	East 1/4					North, Observed
	5								a strong current
	6								that set towards
	7								the west
	8	3	1/2						Lights Lookout
	9								and Attended
	10								3 of Days Out
	11								Station Better.
	12								

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.

55° 35' 55° 36' 17° E 166° 38' 166° 40'

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
A.M.	1								Day Started
	2								with moderate
	3								weather and wind
	4	96	NW 1/2 N	Eastly					Puffy at times
	5								
	6								
	7	5 3/4							9 P.M. Tacked
	8	18							Ship and Stand
	9								downwards the
	10								South
	11								30.34 9 Am. Tacked
	12	4 1/4							again towards
P.M.	1								South weather
	2								moderate
	3								Lights Lookout
	4	7.0	N.S.E.						Pumps Attended
	5								to
	6								33 Days Out
	7								Station improving
	8	5 1/4	N.S.E.						Slightly
	9								
	10								
	11								
	12	40							

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.

N 1/4 E 90 129N 13.2 57° 09' 57° 11' 18° E 0.24' 166° 55' 167° 16' W

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
M.	1								Light winds prevailed
	2								this twenty four
	3								hours, all sails set
	4								2 P.M. Tacked ship
	5								and stood towards
	6								the South
	7								8 P.M. Wind hauled
	8								to S.S.E. Very light
	9								Tacked ship
	10								Sea smooth
	11								air Patient
	12								improving
P.M.	1								Lights Lookout
	2								and Attended
	3								Pumps to
	4								
	5								
	6								
	7								
	8								
	9								
	10								
	11								
	12								

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.

16' N 57° 54' 18° E 2° 25' 164° 50'

From *San Francisco* towards *Bristol Bay*

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
A.M.	1	"								Day Commenced
	2	"								with light wind
	3	"								and fog, signals
	4	2		S x E	E ast. 1/4					attended to
	5	"								6 P.M. tacked
	6	"								ship and stand
	7	"								south
6 P.M.	8	2		"	"					10. Am tacked
	9	"								again and stood
	10	"								towards N.W.
	11	"								all sails set
	12	8		S x E	"	54°			30.38	Lights Looked out
P.M.	1									and
	2									Pumps Attended
	3									
	4	5	1/2	S.S.E	E 1/2 N	"				36 Days Out
	5									
	6									
	7									Italiana getting
	8	4	1/2	"	"	"				around finely
	9									
1 P.M.	10	5		South	"	"				
	11									
	12	4	1/2	N.W.E	East	"	52°		30.40	

From *San Francisco* towards *Bristol Bay*

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
M.	1									Day started with
	2									moderate breeze
	3									from the Eastward
	4	6	0	S E x E	N.E.	1/4				8 P.M. Tacked light
	5	10	0	"	"	"				sails
	6									5.30 P.M. Tacked
	7									Ship wind
	8	3	1/4	N.W.W.	N.E.	1/4				increasing, 2 Am
	9									furled main sail
	10									and fore upper top
	11									3.40 Furled main
	12	2	0	N.W.	N.E.	0	54°		29.64	upper topsail
M.	1									blewing hard from
	2									N.E. Sea choppy
	3									this ends the day
	4	3	0	N.W.	N.E.	"				Lights Looked out
	5									and
	6									Pumps Attended
	7	3	1/4	"	"	"				
	8	4		S.E. x E	"	"				38 Days from
	9									San Francisco
	10									Italiana better
	11									
	12	3	1/4	"	"	"	56°		29.64	

Course *South* Distance *66'* Diff. of Lat. *65'* Departure *1.6* Lat. by D.R. *56°20'* Lat. by Ob. *56°22'* Variation *18° 03' E* Diff. of Lon. *164° 46'* Lon. in. *164° 42'* Lon. by Ob.

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
A.M.	1									Wind continued
	2									light through this
	3									fog also 2.30 Am
	4	5		N x E 1/2 E	E.S.E	1/4				tacked ship and
	5									stood towards
	6									the south and
	7									East
	8	4	1/2	"	"	"				Sea smooth
	9									Weather overcast
	10									most of time
	11									
	12	4	1/2	"	"	"	54°		29.80	Italiana better
Am	1									Lights Looked out
2.30	2	4	0	North	"	"				and
	3									Pumps Attended
	4	2		S.E	E.S.E	"				
	5									37 Days Out
	6									
	7									Observed a strong
	8	6	1/2	"	"	"				current towards
	9									the East
	10									
	11									
	12	7	1/4	"	"	"	56°		29.72	

Course *N 83° E* Distance *56* Diff. of Lat. *7' N* Departure *54.6* Lat. by D.R. *56°29'* Lat. by Ob. *56°29'* Variation *18° 8'* Diff. of Lon. *162* Lon. in. *163° 01'* Lon. by Ob.

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
M.	1									This day commenced
	2									with moderate
	3									breeze from
	4	5		S E x E	E.N.E	1/4				8 N.E. fell calm
	5									6 P.M. a light
	6									breeze spring
	7									up from E.S.E
	8	1	1/4	"	"	"	1/4			from calm
	9									depos. not
	10									sheering 10 Am
	11									wind from N.W.E
	12									very light
M.	1									Lights Looked out and
	2									Pumps Attended to
	3									39 Days Out
	4	0		"	"	"				had good
	5	2		"	E.S.E	1/4				Observations
	6	2		"	"	"				
	7	2		"	"	"				
	8	2		N.W.E	"	"				
	9									
	10									
	11									
	12	2		N W x W	N.W.E	"	58°		29.96	

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.

From *San Francisco* towards *Bristol Bay* *24 day of May 1906*

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
A.M.	1	..								This Day passed in calm and light winds from E.N.E. about, sea smooth lights Lookout and Pumps Attended to 40 Days Out 8 P.M. Tacked Ship 2 am "
	2	..								
	3	..								
	4	4		N.W.	N.E. x N.	1/4				
	5	"								
	6	"								
	7	"								
	8	5		S.E.	N.E. x E	"				
	9									
	10									
	11									
	12	4	1/4	N.W. x N.	N.E.	"	56°		25.96	
P.M.	1	3	1/2	N.W. x N.	"	"				Had Observation
	2	3	1/2	N.W. x N.	"	"				
	3	3	1/2	S. x S. 1/2 S.	N.N.E.	"				
	4	3	1/2	S. x S. 1/2 S.	N.N.E.	"				
	5									
	6									
	7									
	8	3	1/2	S.E. x S.	S.W. x S.	"				
	9									
	10									
	11									
	12	3	"	S.E. x S.	S.W. x S.	"	58°		29.95	

From *San Francisco* towards *Bristol Bay* *26 day of May 1906*

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
	1									Day started with light W. S.W. wind and continued so through the day 8 am. Steamer Nushagete arrived and took us in tow. Ship's position at time of zigzag 4 P.M. Dropped anchor at 6 P.M. Measured ship at same time, 60 fathoms in offshore anchor and 45 in in shore. Harbored till off anchor offshore Weather fine and wind W. S.W.
	2									
	3	2	1/2	N.E.	N.W. x N.	0.				
	4									
	5									
	6									
	7	4	1/2	"	"	N.W. x N.	"			
	8									
	9									
	10									
	11	5	0	"	"	"	"			
	12									
	1									
	2									
	3									
	4	4	1/2	N.W. x S.	"	"				
	5									
	6									
	7									
	8									
	9									
	10									
	11									
	12									

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.
83° E 13 4' 8.1 56° 18' 56° 21' 18° E 18° E 161° 0' 161° 5'

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
A.M.	1	2								Day commenced with calm and light S.E. wind, 2 P.M. Tacked ship, wind continued light through the day 8 am hauled to S.E. Very light and variable lights Lookout and Pumps Attended to 41 Days Out Had Good Observations
	2	2		S.E.						
	3	"								
	4	3	1/2	N.W. x N.	N.E.	1/4				
	5									
	6									
	7									
	8	5		N.W. x N.	S.N.E.	0.				
	9									
	10									
	11									
	12	5		N.E. x N.	S.E.	"	56°		29.96	
P.M.	1									
	2									
	3									
	4	1	1/2	N.E.	"	"				
	5									
	6									
	7									
	8	1	0	N.E.	"	"				
	9									
	10									
	11									
	12	3		N.E. South	"	"	58°		30.04	

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.
N.E. x N. 86 49 31.4 57° 10' 58° 16' 18° E 65' 160° 0' 159° 5'

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
	1									Vessel moored and out of Commission
	2									
	3									
	4									
	5									
	6									
	7									
	8									
	9									
	10									
	11									
	12									
	1									
	2									
	3									
	4									
	5									
	6									
	7									
	8									
	9									
	10									
	11									
	12									

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.

From off Clark's Point towards

Sunday

19 day of Aug 1906

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
A.M.	1		1	P.M. have anchor and proceeded					
	2			towards Clark's Point in tow					
	3			of ship's Vushagat					
	4		3	P.M. Dropped Port anchor					
	5			Chain passed at 26 fathoms					
	6			blowing hard from the East					
	7			Dropped Starboard anchor					
	8			and came to 60 fathoms					
	9			of chain. Immediately lying stream					
	10			anchor over Port bow and					
	11			connected chain ready for use					
	12								
P.M.	1			Wind moderating towards morning					
	2			and hauled to the South					
	3			match and riding lights attended to					
	4								
	5								
	6			Ships Complement of crew 60 White men					
	7			Mongolians and Asiatics 200					
	8			Ships Draught Forward 21.2 feet					
	9			Aft 21.7					
	10								
	11								
	12								

From

Vushagat

towards

San Francisco

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
	1			Still to anchor off Clark's Point					
	2			5 P.M. Ship's Vushagat arrived					
	3			filled water, and, got 3000 pound					
	4			bow anchor instead of the					
	5			one last. Smith's mind and					
	6			smooth weather overcast					
	7			with rain squalls at times					
	8			match and lights					
	9			attended to					
	10								
	11			Aug 22 = 1906					
	12								
M.	1			3 Am have anchor and proceeded					
	2			to sea in tow of ship's Vushagat					
	3			8 Am let go of ship's hammer					
	4			all sails let go a very light					
	5			S.W. breeze hauled gradually					
	6			towards the west during morning					
	7			Ships Position at noon					
	8			Lat 38° 07' North					
	9			Long 118° 10' West					
	10								
	11								
	12								

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
A.M.	1			Strong South wind and squalls					
	2			prevailed during this day					
	3			waiting for an anchor and					
	4			moderate weather to go to sea					
	5								
	6								
	7								
	8								
	9								
	10								
	11								
	12			Anchor match and riding lights					
P.M.	1			attended to					
	2								
	3								
	4								
	5								
	6			Officers standing sea watches					
	7			"Ships Beker dismissed from					
	8			service for drunkenness					
	9			and neglect of duty"					
	10			~~also for drinking~~					
	11								
	12								

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
M.	1			Day started with calm and continued					
	2			so till 12 midnight when a light					
	3			breeze spring up from the East					
	4			hauled gradually towards N.E. but					
	5			very light					
	6								
	7								
	8								
	9								
	10								
	11								
	12								
M.	1			Ships Position by Observation					
	2								
	3								
	4								
	5			Lat 37° 50' North					
	6			Long 118° 18' 30" West					
	7								
	8								
	9								
	10								
	11								
	12								

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.

From *Kuskagak River* towards *San Francisco*

From *Kuskagak River* towards *San Francisco*

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
24 day of Aug 1906									
A.M.	1	"							Day started with
	2	"							light N.E. wind
	3	"							increased during
	4	2	SW x S	N.E.	0.				morning to a 6 knot
	5	"							gust.
	6	"							all sails set
	7	"							weather amusest
	8	4	" — "	"	0.				sea smooth
	9	"							lights look out
	10	"							and
	11	"							Pumps attended to
	12	4	" — "	"	"				2 days out
P.M.	1	1							
	2	"							
	3	"							
	4	3	" — "	"	"				
	5	"							
	6	"							
	7	"							
	8	2	" — "	"	"				
	9	"							
	10	"							
	11	"							
	12	6	S.S.W.	"	"	58°		30.04	

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
26 day of Aug 1906									
M.	1	1							8 P.M. sighted Akun Island
	2								weather hazy with fog at times
	3								wind very light from N.W.
	4								9 P.M. sighted Sarichey light
	5								steamed for same, 10 P.M. set
	6								in foggy, wind very light from
	7								North West, tacked ship and
	8								and stand in the bearing sea
	9								12 midnight cleared of sighted
	10								light and heard ship, and stand
	11								out towards the Pacific Ocean
	12								Wind very light from N.W. all sails set
									Ship's Position at noon.
									Catch Cap light bore N. 1/2 W. Distance off 4 miles

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
SW 1/2 S	100	4.6	78.2	57°00'	0°0'	21°8'	2°22'	26°41'	

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
25 day of Aug 1906									
A.M.	1								Day started with
	2								N.W. wind Royals
	3								furled first part
	4	6 1/2	S x W	N.W.	0.				of Day, set same
	5	"							in morning
	6	5	" — "						moderate breeze
	7	"							no land in sight
	8	9	SW 1/4 S	"	"				had observation
	9	"							at noon
	10	"							
	11	"							
	12	8	" — "	"	"				lights look out
P.M.	1	"							and
	2	"							Pumps attended to
	3	"							
	4	7 1/4	" — "	"	"				3 days out
	5	"							
	6	"							
	7	"							
	8	8	" — "	"	"				
	9	"							
	10	"							
	11	"							
	12	6	1/2 S.S.W.	"	"	57°		30.10	

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
27 day of Aug 1906									
M.	1								Day started with
	2								light N.W. wind
	3								and can't see through the fog
	4	2	1/2 S. 8 1/2	N.W.	0.				
	5								all sails set
	6								
	7								lights look out
	8	2	1/2 — "	" — "	"				and
	9								Pumps attended to
	10								
	11								
	12	3	" — "	" — "	"				5 days out
P.M.	1								
	2								
	3								
	4	3	" — "	" — "	"				
	5								
	6								
	7								
	8	3	" — "	" — "	"				
	9								
	10								
	11								
	12	3	" — "	" — "	"	60°		30.30	

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
SW x S	178	12.48	130.6	54°15'	55°10'	18°8'	2°13'	164°38'	164°01'

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
SE 1/2 S	68	5.7	19.3	53°12'	—	18°4'	29'	164°4'	164°01'

From *Kushagak River* towards *San Francisco*

From *Bristol Bay* towards *San Francisco*

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
28 day of Aug 1906									
A.M.	1								This Day commenced
	2								with westerly wind and
	3								overcast, wind very
	4	3	1/2 East West	0.					light till towards
	5								6 am when increased
	6								slightly.
	7	4	1/2 " " " "	"					Lights Lookout
	8								and
	9								Pumps attended to
	10								6 Days Out
	11	4	1/4 " " " "	"	58°			30.36	
P.M.	1								Lights Lookout
	2								and
	3								Pumps attended to
	4	3	0. " " " "	"					6 Days Out
	5								
	6	2	1/2 East " " " "	"					Lighted a Bark and
	7								and sent beams
	8	4	1/2 E x S " " " "	"					also a cod fishing
	9								30.40 schooner bound home
	10								
	11								
	12	5	1/4 " " " "	"	59°				

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
day of 30 th 1906									
A.M.	1								Day started with
	2								S.S.W. or in fresh
	3								breeze & am hauled
	4	8	E x S S S W	0.					to S.W. and
	5								light rain
	6								Lights Lookout
	7								and
	8	"	" " " "	"					Pumps attended
	9								to
	10								8 Days Out
	11	"	" " " "	"	56°			30.05	
P.M.	1								
	2								
	3								
	4	"	" " S.W.	"					Weather overcast
	5								and
	6								hazy at times
	7								
	8	"	" " " "	"					
	9								
	10								
	11								
	12	"	E x S 1/2 S " " "	58°				30.10	

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
E x S 1/2 S	93	28'	89.2	52° 44'	52° 48' N	18° E	2° 28' E	161° 33'	—

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 1/2 S	188	105.7	154.2	49° 18'	—	20° E	4° E	143° 41'	—

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
29 day of Aug 1906									
A.M.	1								This Day started with
	2								a fresh breeze from
	3								the westward hauled
	4	6	1/2 E x S West	0.					towards S.W. during
	5								morning all sails
	6								30.30 set. weather
	7	7	0 " " " "	"					overcast with
	8								light rain sometimes
	9								Lights Lookout
	10								and
	11	7	1/4 " " " "	W S W	56°			30.30	Pumps attended
P.M.	1								to
	2								7 Days Out
	3	8	0. " " " "	S W					
	4								
	5								
	6								
	7	7	1/2 " " " "	S S W					
	8								
	9								
	10								
	11	7	3/4 " " " "	S S W	57°			30.30	
	12								

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
31 day of Aug 1906									
A.M.	1								Day passed with a
	2	6	E x S 1/2 S W x S	0.					fresh breeze, first
	3	"	" " " "	"					half of day from the
	4	5	" " " "	"					westward hauled
	5	"							to South 12 P.M.
	6	"							
	7	5	1/2 E 1/2 S " " " "	"					
	8	6	" East " " " "	"					
	9	"							
	10	"							
	11	"							
	12	6	1/4 " " South	58°				30.00	
P.M.	1	"							7 am hauled to
	2	"							S.W. all sails
	3	"							set. weather hazy
	4	7	" " " "	"					with light rain at
	5	"							times.
	6	"							Lights Lookout
	7	"							and
	8	9	3/4 " " " "	S.W.					Pumps attended
	9								to
	10								9 Days Out
	11								
	12	8	1/2 " " " "	58°				29.92	no observations

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
S E 3/4 E	175	1° 44.5	140.6	51° 04.4	—	20° E	3° 48' E	157° 45.4	—

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
S E x E 1/4 E	165 mil	1° 10.5	149.9	48° 08' N	—	21° E	3° 48' E	149° 56' W	—

From *Bristol Bay* towards *San Francisco*

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
A.M.	1	"	"							Strong breeze prevailed till
	2	"	"							7 am, when fell
	3	"	"							lighter and hauled
	4	9	1/4	East	S.W.	0.				towards the west
	5	"	"							10 am. wind came
	6	"	"							out from N.W.
	7	"	"							Moderate breeze
	8	9	0.	—	—	—				all sails set sea
	9	"	"							Moderate
	10	"	"							lights Lookout
	11	"	"							and
	12	8	1/4	—	—	—	58°		30.00	Pumps attended to
P.M.	1	"	"							10 Days Out
	2	"	"							had observations
	3	"	"							both morning and
	4	8	0.	—	—	—				noon, but poor
	5	"	"							lights
	6	"	"							
	7	"	"							
	8	7	0.	—	—	—				
	9	"	"							
	10	"	"							
	11	"	"							
	12	5	0.	—	—	—	59°		30.20	

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
E S E	186	1° 02'	174.7	47° 16'		21° E	4° 24'	142° 50'	

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
A.M.	1	"	"							Still fair wind and
	2	"	"							square yards.
	3	"	"							Wind getting lighter
	4	5		E	N.W.	0.				and from N.W.
	5									6:30 P.M. wind changed
	6	30:6	1/2	E x N	W					to west, all sails
	7	"	"							set 8 am hauled
	8	3	"	—	—	—				to N. S.W.
	9	"	"							sea moderate
	10	"	"							lights Lookout
	11	"	"							and
	12	4	1/4	—	—	—	59°		30.30	Pumps attended to
P.M.	1	"	"							11 Days Out
	2	"	"							had observation at
	3	"	"							noon
	4	5		East	—	—				
	5	"	"							
	6	"	"							
	7	"	"							
	8	6		—	W. S. W.	—				
	9	"	"							
	10	"	"							
	11	"	"							
	12	5		—	—	—	60°		30.40	

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
E x S 1/2 S	122 1/2	39'	115	48° 04'	48° 03'	21° E	2° 12'	138° 46'	

138° 15' W

From *Bristol Bay* towards *San Francisco*

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
A.M.	1	"	"							This day started with
	2	"	"							light breeze from
	3	"	"							the westward.
	4	5	1/2	E. S. E	N. W. W.	0.				hauled towards the
	5	"	"							South and west.
	6	"	"							during night & am.
	7	"	"							hauled to S. S. E
	8	4	1/4	—	—	—				Moderate breeze
	9	"	"							Fishermen employed
	10	"	"							washing paint
	11	"	"							around the stern
	12	3	1/4	—	S. W.	"	59°		30.28	of ship, also scraped
P.M.	1	"	"							the spar on the
	2	"	"							Foremast and Mizzon
	3	"	"							topmast and dead eyes
	4	3	1/2	—	Various	"				and Oiled and Various
	5	"	"							down, all sails set
	6	"	"							lights Lookout and
	7	"	"							Pumps attended to
	8	4	1/2	—	S. S. W.	"				
	9	"	"							
	10	"	"							
	11	"	"							
	12	5	0.	E x N	S. S. E	"	62°		30.30	12 Days Out

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
S. E x E	101	56'	85.6	47° 07'	47° 10'	21° E	2° 06'	136° 40'	136° 29' W

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
A.M.	1	"	"							Day commenced
	2	"	"							Fresh S. S. E wind
	3	"	"							first part of day
	4	8	1/4	E 1/2 N	S. S. E	1/2				hauled gradually
	5	"	"							to South 12 midnight
	6	"	"							wind from S x W
	7	"	"							small sails hauled
	8	9	0	E 1/2 S	—	"				Strong breeze
	9	"	"							sea moderate
	10	"	"							lights Lookout
	11	"	"							and
	12	8	1/2	E x S	South	"	61°		29.78	Pumps attended to
P.M.	1	"	"							13 Days Out
	2	"	"							weather Overcast
	3	"	"							with
	4	8	0	E S E	S x W	"				rain at times
	5	"	"							
	6	"	"							
	7	"	"							
	8	8	0	—	—	—				
	9	"	"							
	10	"	"							
	11	"	"							
	12	7	1/2	—	—	—	62°		29.96	

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
S E x E 1/2 E	194	1° 32'	170.1	45° 38'		20° E	4° 05'	132° 24'	

From *Bristol Bay* towards *San Francisco*

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	5 day of Sep 1906
A.M.	1								Day passed in fresh breeze from S x W	
	2								Gallant Sails furled	
	3								2 am set main Gallant sail & am def. fore	
	4	7	1/2 S.E. x E 1/2 E	S.S.W.	1/2				Gallant sail and	
	5								mizzen middle stay sail	
	6								trimming mast all the	
	7								night 10 am furled	
	8	6	1/2						fore Gallant sail and	
	9								middle stay sail	
	10									
	11									
	12	8	0						29.98 no sun	
P.M.	1								Lights Lookout	
	2								and	
	3								Pumps Attended	
	4	7	1/2						to	
	5								14 Days Out	
	6									
	7									
	8	7	0	E x S						
	9									
	10									
	11									
	12	8	0	E.S.E.					30.04	

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 8 1/4 E	184	2° 05'	135.1	43° 23'	—	20° E	3° 08'	129° 16'	—

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	6 day of Sep 1906
A.M.	1								Day commenced with fresh breeze from South Small sails	
	2								fast, wind fell	
	3								light during night	
	4	7	1/4	E.S.E.	South	1/2			set Gallant sail 2 am	
	5								Reys and rest of	
	6								small sails 5 am	
	7								wind at noon	
	8	8	0						from S.E. and	
	9								misty	
	10									
	11									
	12	6	1/4						68°	
P.M.	1								30.00 Lights Lookout	
	2								and	
	3								Pumps Attended	
	4	6	3/4						to	
	5								14 Days Out	
	6									
	7									
	8	6	0	E x S						
	9									
	10									
	11									
	12	4	0	E.N.E.					68°	

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
S.E.	141.2	1° 41'	104.2	42° 30'	—	20° E	2° 20'	126° 38'	—

From *Kashappa River* towards *San Francisco*

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	7 day of Sep 1906
A.M.	1		East						Day started with light	
	2								wind from South	
	3								6 P.M. faked over	
	4	3	East	S.E.	1/4				wind hauled to	
	5								South and East	
	6	3	" "	" "	" "				increasing towards	
	7								morning furled	
	8	3	SW x S	" "	1/2				small sails 8:30	
	9								am. heavy sea	
	10								from the mistral	
	11								Lights Lookout	
	12	3	" "	" "	" "	70°			30.2	
P.M.	1								Pumps Attended	
	2								to	
	3								16 Days Out	
	4	5	" "	" "	" "					
	5									
	6									
	7									
	8	5	" "	" "	" "				Sighted land of	
	9								Sequoia River	
	10									
	11									
	12	5	" "	" "	" "	72°			29.96	

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
SW x W 1/4 W	87	44'	55.4	41° 53'	—	19° E	1° 11'	126° 23'	—

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	8 day of Sep 1906
A.M.	1								Wind from S.E.	
	2								prevailed till 10.	
	3								10 P.M. hauled rain	
	4	3	0	SW 1/2 S	S.E.	1/2			to N.W. Very light	
	5								heavy mostly small	
	6								wind increased	
	7								towards 6 am.	
	8	1 1/2	W.S.W.	" "	" "				all sails set	
	9									
	10	1	1/2	W x S	" "	" "			Lights Lookout	
	11								and	
	12	2	S.E.	N.W.	0	70°			30.00 Pumps Attended	
P.M.	1								to	
	2								17 Days Out	
	3									
	4	2	" "	" "	" "					
	5									
	6									
	7									
	8	3	1/4	" "	" "	" "				
	9									
	10									
	11									
	12	4	" "	" "	" "	72°			30.10	

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
SW x W	14	6 m. S	20'	41° 48'	41° 47'	19° E	0° 27'	126° 50'	126° 15'

From *Cristal Bay* towards *San Francisco*

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	9 day of Sep 1906
A.M.	1									N.W. wind prevailed during this day increased towards noon all sails set.	
	2									had good observations both morning and noon	
	3										
	4	V-		S.E	N.M	0.					
	5										
	6										
	7										
	8	6									
	9										
	10										
	11										
	12	6					70°	30.20		lights lookout and pumps attended to	
P.M.	1										
	2										
	3										
	4	V-								18 Days Out	
	5										
	6										
	7										
	8	6	1/4								
	9										
	10										
	11										
	12	6					68°	30.40			

St. Yussora
1st Mate

From *Anchored off* towards *Presidia*

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	11 day of Sep 1906
M.	1									Clear weather and N.W. wind	
	2										
	3									prevailed during Day 1:30 P.M.	
	4									Tug arrived and towed vessel to mission fleet, anchored for Herbert's anchor and 45 fathoms Rhein	
	5										
	6										
	7										
	8										
	9										
	10										
	11										
	12										
M.	1										
	2										
	3										
	4										
	5										
	6										
	7										
	8										
	9										
	10										
	11										
	12										

men ashore with Tug
This ends my Service
S. Christensen

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 84° S 1/2 S	144	2° 07'	66.5	39° 40'	39° 32'	17° E	127° E	121° 28'	121° 12' W

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	10 day of Sep 1906
A.M.	1									Day started with strong N.W. wind increased towards evening 6 P.M. furled Royals and fore Gallant sail also small staysails 7 P.M. furled main Gallant sail. 9 P.M. furled mainsail and fore topsail strong gale sheering S.E 1/2 E by compass, 4 A.M. wind moderating set small sail 5:30 sighted Farallons ahead. Lights lookout and pumps attended to	
	2										
	3										
	4										
	5										
	6										
	7										
	8										
	9										
	10										
	11										
	12										
P.M.	1										
	2										
	3										
	4										
	5										
	6										
	7										
	8										
	9										
	10										
	11										
	12										

11. Am let tack transport sea last air position at time, between Farallons and Light Ship. Clewed up and furled sails 2:30 anchored off Presidia 50 fathoms of chain out

Fishermen and mangolians left during afternoon no doctors inspection. First Mate and Carpenter by vessel

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
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	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	day of 1906
M.	1										
	2										
	3										
	4										
	5										
	6										
	7										
	8										
	9										
	10										
	11										
	12										
M.	1										
	2										
	3										
	4										
	5										
	6										
	7										
	8										
	9										
	10										
	11										
	12										

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
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This ends our Passage, All is Well,

From *Living end Port of San Francisco* towards

From *San Francisco* towards *Pershagat*

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	day of	1907
1									Jan 1st This day began with fine weather wind from the N.E. Stevedore loading the ship with coal	8 th	
2									Watchman began Night watch at 6 P.M.		
3									April 9 th This day began with fine weather Madrade wind from N and west Stevedore finished loading		
4									Coal at 9 ³⁰ Tow Boat came along side and Towed the ship to Stuart St Wharf where Stevedore began loading General Cargo Watchman began Night watch at 6 P.M.		
5									April 10 This day commenced with fine weather wind from the South Stevedore loading ship		
6									the all day watchman began Night watch at 6 P.M.		
7									April 11 th Stevedore loading ship all day Chinamen came on board the ship and loading their stores and provisions watchman began watch at 6 P.M.		
8									April 12 th Stevedore waiting the all day Cargo and Ship Storer watchman began watch at 6 P.M.		
9									April 13 th This day began with fine clear sky wind from S.E. Stevedore finished loading ship		
10									Ship Draught of Water Forward 19 ft 6 inch		
11									Aft 20 feet Fishermen came on board during day		
12											

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	day of	1907
1									This day began with fine lights wind from the west	14 th	
2									all plain sails set pumps lights and lookout carefully attended to		
3	2		SxW	WxN							
4											
5											
6											
7	8		SxW	NxN							
8											
9											
10											
11											
12											
1											
2	10		South								
3											
4											
5											
6											
7											
8	20		SxW								
9											
10											
11											
12	20										

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
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Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
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H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	day of	1907
A.M.									At 1 ⁴⁵ P.M. Tow Boat came alongside to Tow Ship to sea at 1 ⁵⁵ let go all the ships lines and provided to sea at 3 ³⁰ P.M. set all sails and let go Tow Boat of Hawson at 7 ³⁰ P.M. still end sight of Ferrellan Light from where we take our departure Ferrellan Light bore by Standard Compass West 3/4 North dist of 9 miles	15 th	
									Ships Complement of White Men including Captain and Officer 94 = and 100 Chinamen and 4 Japs		
P.M.											
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	day of	1907
A.M.									This day began with fine Madrade breeze from WxN all plain sails set pumps lights and lookout carefully attended to	15 th	
1			SxW	WxN							
2											
3											
4	33										
5											
6											
7											
8	32										
9											
10											
11											
12	26										
P.M.											
1											
2											
3											
4	30		SxW	NxN							
5											
6											
7											
8	34		SxW	NxN							
9											
10											
11											
12	31										

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
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Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
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341° 44' 205.2 1° 52' 1° 54' 34° 34' 39° 33' 15° E 8 miles 11° 2' 54° W

From *San Francisco* towards *Nurbagah*From *San Francisco* towards *Nurbagah*

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	day of April 1907
A.M.	1			S 78° W	N W	1/2 S				This day began with	16
	2									Moderate breeze from	
	3									N on all plain sails	
	4	26								set pumps lights	
	5			S 78° W						and lookout carefully	
	6									tended to	
	7										
	8	30									
	9										
	10										
	11										
	12	28									
P.M.	1										
	2										
	3										
	4	25								Later part weather	
	5			S 78° W						the same pumps lights	
	6									and lookout tended to	
	7										
	8	26								3 Days at sea	
	9										
	10										
	11										
	12										

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	day of April 1907
A.M.	1			N 62° W	East	1/2 S				This day began with	15
	2									fine from breeze from	
	3									the N on West all	
	4									plain sails set pumps	
	5									lights and lookout	
	6									carefully tended to	
	7										
	8	68									
	9										
	10										
	11										
	12										
P.M.	1										
	2										
	3										
	4										
	5										
	6										
	7										
	8			N 56° W						Later part weather	
	9	56								the same pumps	
	10									lights and lookout	
	11									carefully tended to	
	12	25		N 45° W						5 Days at sea	

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.

S 78° W 161 miles 33.45 157.48 34° 34' N 34° 15' N 14° E 33 miles 127° 130° 12' W

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	day of April 1907
A.M.	1			N 38° W	N W	East	00			This day commenced	17
	2									with fine wind from	
	3									the N on W all plain	
	4	19								Sails set pumps lights	
	5			N 38° W						and lookout carefully	
	6									tended to	
	7										
	8	18									
	9										
	10										
	11										
	12	26									
P.M.	1										
	2										
	3										
	4	26								Later part weather	
	5			N 38° W	N E					the same pumps	
	6									lights and lookout	
	7									carefully tended to	
	8	19									
	9										
	10										
	11										
	12	26									

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.

N 74° W 135 miles 130 miles 131 miles 34° 45' 34° 33' 15° E 28 131° 40' E

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.

N 55° W 167 miles 1° 55' 2° 49' N 36° 03' N 36° 11' 17° E 31 miles 135° 55' 135° 54' W

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	day of April 1907
A.M.	1			N 44° W	East	00				This day commenced	18
	2									with fine weather	
	3									and clear they all	
	4	14								plain sails set	
	5									pumps lights and	
	6									lookout carefully	
	7									tended to	
	8	20									
	9										
	10										
	11										
	12	20									
P.M.	1										
	2										
	3										
	4	20								Later part weather	
	5									the same pumps	
	6									lights and lookout	
	7									carefully	
	8	20								tended to	
	9										
	10										
	11										
	12	20									

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.

N 49° W 117 miles 1° 14' N 149° W 34° 24' 34° 04' N 15° E — 131° 40' 131° 56' E

From *San Francisco* towards *Kushagak*

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
A.M.	1			WxW	East	00				This day began
	2									with fine weather
	3									wind from the East
	4									hauled the staysails
	5									and jibe down
	6									pumps lights and
	7									lookout carefully
	8									tended to
	9									
	10									
	11									
	12								30.76	
P.M.	1									
	2									Lathe fast heavy
	3									Overcast and at times
	4									fine Rain pumps
	5									lights and lookout
	6									tended to
	7									
	8									7 Days at sea
	9									
	10									
	11									
	12									

From *San Francisco* towards *Kushagak*

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
A.M.	1			WxW	EST	-				This day began
	2									with fine light
	3									wind from the
	4	20							30.49	EST all plain
	5									Sails set pumps
	6									lights and lookout
	7									carefully tended to
	8	22								
	9									
	10									
	11									
	12	23								
P.M.	1									
	2									
	3									
	4									Calms
	5									
	6									
	7									Lathe fast weather
	8	10		NxN	EST					the same pumps
	9									lights and lookout
	10									carefully tended to
	11									9 Days out
	12	8		NxN						

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.
N 50° W 126 miles 1° 19' N 2° 02' N 39° 0' 38° 55' 16° E 24 miles 139° 58'

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
A.M.	1			WxW	EST	00				This day began with
	2									fine moderate breeze
	3									from EST all plain
	4	17								Sails set pumps lights
	5									and lookout carefully
	6									tended to
	7									
	8	18								
	9									
	10									
	11									
	12	17							30.79	Lathe fast weather
P.M.	1									the same pumps
	2									lights and lookout
	3									carefully tended to
	4	21								
	5									
	6									8 Days out
	7									
	8	17								
	9									
	10									
	11									
	12	24								

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.
N 51° W 122 miles 1° 12' N 1° 57' N 40° 12' 40° 23' 16° E 30 miles 141° 55' 141° 29'

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.
N 45° W 84 miles 60 miles 1° 27' N 41° 23' 40° 27' 16° E 20 miles 142° 56' N

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
A.M.	1			SSW	NxN	00				This day began with
	2									fine light air from
	3									all around the compass
	4	7								and heavy clouds
	5									and at times fine
	6									Rain and fog
	7									all plain sails set
	8	9		WxN						pumps lights and
	9									lookout carefully
	10									tended to
	11									
	12	2		WxW						
P.M.	1									
	2									
	3									
	4	9								30.30 Lathe fast weather
	5									the same wind
	6									from North an East
	7									pumps lights and
	8	17		WxN						lookout carefully
	9									tended to
	10									
	11									10 Days out
	12	19		WxN						

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.
N 60° W 70 miles 37 miles 122 miles 42° 04' N 17° E 23 miles 144° 19' 144° 43'

From *San Francisco* towards *Kushagak*

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
A. M.	1			WxN	WxN	av				This day began with heavy overcast and fine Rain all plain Sails set pumps light and lookout carefully tended to
	2									
	3									
	4	21								
	5									
	6									
	7									
	8	25								
	9									
	10									
	11								30.10	
	12	25								
P. M.	1			WxN						
	2									
	3									
	4	28								
	5									
	6	15							30	
	7									
	8	6		NWxN						
	9									
	10									
	11									
	12	18								

Latter part wind change to the Westward with heavy Overhanging Clouds and Rain pumps light and lookout carefully attended to.

18 Days out

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.
N 46° W 134 miles 94 miles 96 78 43° 38' 00 17° E 38 miles 146° 32' W

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
A. M.	1			NxN	WxN					This day began with leading weather with heavy overcast and Rain all plain Sails set pumps light and lookout carefully attended to
	2									
	3									
	4	24								
	5									
	6									
	7									
	8	32							30.09	
	9									
	10									
	11									
	12	30		NWxN	SW					
P. M.	1	30								
	2									
	3									
	4	31		NxN						
	5									
	6									
	7									
	8	27								
	9									
	10									
	11									
	12	45		NxN						

Latter part weather heavy and squally at 4:30 P.M. fanned the Fore and Main Rags and Mizzen got upland and Roped the Sparker at 7:00 P.M. set all the Sails pumps light and lookout carefully attended to

12 Days at sea

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.
N 5° E 195 miles 2° 31' N 30° W 46° 50' 46° 54 17° E 9 miles 145° 59' W 146° 03' W

From *San Francisco* towards *Kushagak*

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
A. M.	1									This day began with fine light wind and at time calm and fine Rain pumps light and lookout carefully attended to
	2									
	3									
	4	11		WxN	SE	00				
	5									
	6									
	7									
	8	22		"	"	"				
	9									
	10									
	11									
	12	22		"	"	"				
P. M.	1									
	2									
	3									
	4	30		NWxN	SW	"				
	5									
	6									
	7									
	8	15		WxN	SSE	"				
	9									
	10									
	11								30.20	
	12	11		"	"	"				

Latter part wind hauled more to the West pumps light and lookout carefully attended to

13 Days out

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.
N 56° W 116 miles 66 miles 97 miles 48° 02' N 48° 12 17° E 31 miles 148° 04' W 148° 04' W

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
A. M.	1			WxN						This day began with fine light wind from the West all plain Sails set pumps light and lookout carefully tended to
	2									
	3									
	4	4		"	SxW	7.5				
	5									
	6									
	7									
	8	8		"	"	"				
	9									
	10									
	11									
	12	18		WxN	SW	"			30.44	
P. M.	1									
	2									
	3									
	4	24		NWxN	SW	"				
	5									
	6									
	7									
	8	26		WxN	South	"				
	9									
	10									
	11									
	12	26		WxN	SxW	"				

Latter part Wind hauled to ward the South all plain sails set pumps lights and lookout carefully tended to

14 Days out

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.
N 50° W 105 miles 1° 18' N 15° 27' 49° 30' N 49° 33' W 21° E 29 miles 147° 35' W 147° 38' W

From *San Francisco* towards *Newburgh*

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
										28 day of April 1907
A.M.	1									this day began with fine light breeze from the S and W all plain Sails set pumps lights and lookout carefully tended to
	2									
	3									
	4	27		WxN	SxW	0.8				
	5									
	6									
	7									
	8	24		WxN	SxW	0.8				
	9									
	10									
	11									
	12	24		"	"	"				
P.M.	1									Latter part weather the same pumps lights and lookout carefully tended to 17 Days out
	2						30.66			
	3									
	4	19		"	"	"				
	5									
	6									
	7									
	8	23		"	"	"				
	9									
	10									
	11									
	12	25		"	"	"				

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.
N 61° W 142 miles 1° 13' N 3° 31' W 50° 42' N 50° 44' N 21° E 72 miles 15° 0' W 18° 25' W

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
										29 day of April 1907
A.M.	1			West	SS E	-				this day began with fine light wind from S and W all plain Sails set pumps lights and lookout carefully tended to
	2									
	3									
	4	26		"	"	-				
	5									
	6									
	7									
	8	24		"	"	-				
	9									
	10									
	11									
	12	24		"	"	-			30.11	
P.M.	1									Latter part Wind hauled to the N. with fine Rain and at times fog all plain Sails set pumps lights and lookout carefully tended to 16 Days out
	2									
	3									
	4	24		"	"	-				
	5									
	6									
	7									
	8	20		"	"	-				
	9									
	10									
	11									
	12	28		"	"	-				

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.
N 67° W 155 miles 60 miles 3° 52' 51° 48' N 51° 48' N 22° E 82 miles 15° 52' N 1° 36' W

From *San Francisco* towards *Newburgh*

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
										30 day of April 1907
A.M.	1									this day began with heavy breeze and fine Rain and throw in Bury all around the compass at 1230 A.M. furled the Royals and hauled down the Staysails and Gaff Topsail pumps lights and lookout carefully tended to
	2									
	3									
	4	28		West	NNE	-				
	5									
	6									
	7									
	8	26		"	"	-				
	9									
	10									
	11									
	12	20		SWxW	W					
P.M.	1									Latter part weather the same pumps lights and lookout carefully tended to 17 Days out
	2									
	3				SW	WNW				
	4									
	5									
	6	20		NNE	NW					
	7									
	8									
	9									
	10									
	11									
	12	04		SSW	WxN					

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.
N 80° W 68 miles 110 miles 1° 20' W 51° 52' N 51° 56' N 22° E 47 miles 15° 10' 15° 01' W

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
										1st day of May 1907
A.M.	1			SSW	WNW	-				this day began with fine light wind from WNW all plain Sails set pumps lights and lookout carefully tended to
	2									
	3									
	4	6				-				
	5									
	6									
	7									
	8	4		NW x N	WNW					
	9									
	10									
	11									
	12	7		"	"	-			30.01	
P.M.	1									Latter part weather the same pumps lights and lookout carefully tended to 18 Days out
	2									
	3									
	4	10		NW	"	-				
	5									
	6									
	7									
	8	7		WNW	"	-				
	9									
	10									
	11									
	12	14		"	"	-				

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.
N 41° W 47 miles 35 miles 50 miles 52° 31' 52° 35' N 22° E 20 miles 15° 51' W 15° 44' W

From

San Francisco

towards

Nushagak

2nd day of May 1907

H.	K.	½K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
A.M.	1								Thin day began
	2								with fine light
	3								wind an heavy
	4	22	N.W.	S.W.					Overcast an Snow
	5								all plain sails
	6								set pumps light
	7								and lookout carefully
	8								tended to
	9								
	10								
	11								
	12	13	N.W.	S.E.			29.96		at 10 P.M. Lighted land
P.M.	1								which proved to be
	2								the far 9.30 P.M. Wind
	3								in the lower strata
	4								cap light here by
	5	14	N.W.	"			29.99		Steamer - snow at 10.15
	6								4.8 I wind light
	7								here N.W. & day 7.6 miles
	8	23	"	"					
	9								
	10								
	11								
	12	32	"	"					

Thin day began with fine light wind an heavy Overcast an Snow all plain sails set pumps light and lookout carefully tended to

at 10 P.M. Lighted land which proved to be the far 9.30 P.M. Wind in the lower strata cap light here by Steamer - snow at 10.15 4.8 I wind light here N.W. & day 7.6 miles

Later part rain increasing with snow and thin snow light and lookout carefully tended to 19 Days out

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 43° W	104 Miles	1° 16' N	1° 58' W	53° 49' N	53° 56' N	23° E	37 Miles	163° 10' W	163° 10' W

H. K. ½K. COURSES WINDS LEEWAY TEMP. AIR TEMP. WATER BAROM. REMARKS day of 2nd 1907

A.M.	1								Thin day began with fine light
	2								wind from S.E.
	3								all plain sails
	4								set pumps light
	5								and lookout carefully
	6	46							tended to
	7								
	8								
	9								
	10								
	11								
	12	37							
P.M.	1								
	2								
	3								
	4	32							
	5								
	6								
	7								
	8	27							
	9								
	10	11							
	11								
	12	20							

Thin day began with fine light wind from S.E. all plain sails set pumps light and lookout carefully tended to 9.30 Tacked Ship

Tacked Ship at 10.15 P.M.

Later part heavy Overcast and Rain and heavy fog at times all plain sails set pumps light and lookout carefully tended to

206 Days out

P.D. J. J. J.

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 43° W	104 Miles	1° 16' N	1° 58' W	53° 49' N	53° 56' N	23° E	37 Miles	163° 10' W	163° 10' W

N 43° W from far to near

From

San Francisco

towards

Nushagak

4 day of May 1907

H.	K.	½K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
A.M.	1								This day began
	2								with heavy Over
	3								and at time fine
	4	16	Ex N.W.	North	1/10				Rain pumps
	5								lights and looked
	6								carefully tended
	7								to
	8	21	Ex S'		1/10				This day at 7.30 P.M.
	9								got Luchan over
	10	11	East	N.W.					the bar overhand
	11								the Windlass
	12	4	North	East	1/10				
P.M.	1								
	2								
	3								
	4	14	N x E x E		1/10				Later part wind
	5								and weather the
	6								same pumps light
	7								and lookout carefully
	8	26	N x E		1/10				tended to
	9								
	10								
	11								
	12	25	N x E		1/10				10. P.M. heavy Overcast

This day began with heavy Over and at time fine Rain pumps lights and looked carefully tended to This day at 7.30 P.M. got Luchan over the bar overhand the Windlass

Later part wind and weather the same pumps light and lookout carefully tended to

10. P.M. heavy Overcast wind increasing with heavy fog fog hanging 21 Days out

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 70° E	130 Miles	2° 56' E	56° 34' N	56° 21' N	22° E	80 Miles	161° 32' W	161° 40' W	

H. K. ½K. COURSES WINDS LEEWAY TEMP. AIR TEMP. WATER BAROM. REMARKS 5th day of May 1907

A.M.	1								This day began
	2								with fine light
	3								wind from S.E.
	4	25							all plain sails
	5								set pumps light
	6								and lookout carefully
	7								tended to
	8	22	N.E.	South					
	9								
	10								
	11								
	12	26	N.E.						
P.M.	1								
	2								
	3								
	4	16	N.W.						
	5								
	6								
	7								
	8	22	N.E.						
	9								
	10								
	11								
	12	28							

This day began with fine light wind from S.E. all plain sails set pumps light and lookout carefully tended to

Later part weather the same 4.30 P.M. Tacked Ship at 6.30 Lighted one Ship to the westward 6 miles land and Starboard tack 11.30 P.M. Tacked Ship

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 45° E	149 Miles	1° 38' N	1° 38' E	57° 52' N	57° 52' N	22° E	82 Miles	159° 30' W	159° 41' W

From

towards

San Francisco

Kuskokwim

From

towards

Lung and Bristol Bay

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	6 day of May 1907
A.M.	1		N 60° E	East	1.0					This day began with fine light
	2									wind from the East
	3									all plain hills set pumps
	4	18								lights and lookout
	5	1	N 1/2 E		1.0					Carefully tended to
	6									at 2.30 A.M. got
	7									Soundings 25 fathoms
	8	13	S 1/2 E							fin Gr. sand at
	9									4 A.M. Soundings
	10									Bottom 25 fathoms
	11									Bl. sp. fin. Gr. sand
P.M.	12	11	S 1/2 W							8.30 A.M. Tacked ship
	1									11.30 A.M. Tacked ship
	2									Log 57 Course S 1/2 E
	3									at 3.30 P.M. passed
	4	14	N 1/2 E							Ship Tacoma home
	5									port tack
	6									
	7									
	8									Lathe part
	9	26	N 1/2 E							wind and weather
	10									the same pumps
	11									lights and lookout
	12	87	S 1/2 E							Carefully tended to 28 Days

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	8 day of May 1907
A.M.	1									This day began with fine light breeze
	2									from the East with clear sky crew have
	3									been employed at cleaning ship and unbinding
	4									the Fore and Main Rags at and put
	5									hopper Gyftoplass and Murre Gallent Staysail
	6									at 11 A.M. have up Anchor to see
	7									it clear it proved to be so and again
	8									let it go with 35 fathoms of chain at
	9									2.30 A.M. Thomson arrived to the ship with
	10									the same men from the Canneries not
	11									wanted them later part weather the same
	12									pumps lights and lookout carefully tended
P.M.	1									to 2 Days end part
	2									May 9 th 1907 This day began with fine
	3									wind from N.W. at 7.30 A.M. crew began
	4									sending the Royal and the Foudgalland
	5									on beach and other various jobs pumps
	6									lights and lookout for Ice carefully tended
	7									to 3 Days part
	8									
	9									Friday May 10 th 1907 This day began with
	10									fine light wind from S and W at 8.10 A.M.
	11									have up Anchor and sailed end 10 miles
	12									closer toward the River 1 drop of Part Anchor

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.

N 84° E 28 miles 2 miles 53 57° 50' N 57° 11' N 22° E 28 miles 15° 5' 52' N 15° 8' 04'

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	6 day of May 1907
A.M.	1									Ship Arriving end Bristol Bay at 7 ³⁰ P.M.
	2									Dropped from Anchor with 45 fathoms of chain
	3									end 10 fathoms of Water crew employed fueling
	4									all the sails and crew keeping Sea Watch
	5									with Officer and Dusty Anchor Lights hung
	6									and fore and aft burning Bright so
	7									ended this voyage 23 Days at sea all well
	8									Cape Italy came by Standard Compass N 6 1/2 W
	9									Nickle Hill bore by Standard Compass West
	10									
	11									Pil. Peter Jensen
	12									1st Mate Star of India
P.M.	1									Lung to Anchor end Bristol Bay
	2									May 7 th 1907 This day began with moderate fine
	3									weather wind from East at 5 A.M. got one
	4									board ready for to go onshore with Andrew Thor
	5									and 10 of his men to the Canneries board I suppose
	6									with Mast Sails and weather and promotion for
	7									2 Days crew have been employed at cleaning the
	8									Ship and getting ready for Pa. Dickery, Cargo
	9									still keeping Sea watch by Order of Master 1 Day
	10									at 3 A.M. heavy Smeels ahead against Tide and
	11									with mass an heavy Sea and sound of it
	12									Carved away the Rudder Tiller

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	day of 1907
A.M.	1									with 45 fathoms of chain pumps lights and
	2									lookout carefully tended to 8 Days end part
	3									May 11 th This day began with heavy overcast
	4									and fine Rain wind from S. and
	5									pumps lights and lookout carefully
	6									tended to at 4 P.M. several big pieces
	7									of Ice came with the Tide from the River
	8									so ended this day 45 Days and part
	9									Sunday May 12 th 1907 Lung and Bristol
	10									Bay This day began with fine light
	11									wind from the west and at times
	12									fine snow crew keeping Sunday 6 Days
P.M.	1									and part still keeping seawatch with
	2									Officer on watch 6 Days and part
	3									May 13 th 1907
	4									This day began with fine lights wind
	5									from the N. and west at 2.30 A.M. Past Anchor
	6									Chain carried away and lost the Anchor with
	7									50 fathoms of chain 2nd Mate on watch and
	8									reported no Ice and could not give any
	9									reporter for the accident during May 12 Night Ice
	10									continually flooded around the ship at 6.30 hour
	11									up Anchor and set sails for to get out and
	12									drift. Water ship drifted to 7 fathoms of Water after the

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.

at 8.45 Draped Starboard Anchor with 30 fathoms of chain

From

towards

Lung and Bristol Bay at Ancho

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	day of
A.M.	1								This Day began with fine light	May 7
	2								wind from S. and W. no ice yet keeping	
	3								Sea Water 8 Cays. O. Days end	
	4								P. S. Jensen	
	5								May 15 th This day began with fine weather	
	6								and clear wind from the East toward Canary	
	7								wind increasing to from Bresse Tice Tury to	
	8								travel this standing Sea Water with Officer	
	9								on board so ended this 24 th hour 9 Days end	
	10								May the 16 th this day began with fine	
	11								light wind from S. W. at 3 A.M. Steamer	
	12								Kuilaat came along side and tow ship end	
P.M.	1								Tow to Clarke Point dropped Starboard Anchor	
	2								with 30 Fathom of Chain crew have been Employed	
	3								hauling all the chain out of the Port	
	4								Chain Sloop and turning some part of it	
	5								end for end at 7 A.M. all the beach gear	
	6								united ashore and 20 Fishermen to wash	
	7								ashore so ended this day 10 Days end	
	8								Saturday May 17 th this day began	
	9								with fine weather crew have been Employed	
	10								discharge 1 Star 1 Cow and 30 Sigs at 8 A.M.	
	11								scutt the lighter ashore with saw and	
	12								also all the Fishermen with renewed anchor	

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	day of
A.M.	1								at 3.30 and lighter came ashore, alongside to	
	2								take the chains and Japs crew also	
	3								Employed Rigging down the Main Gallies	
	4								and the four upper Foreails so ended	
	5								this day 11 Days end	
	6								Saturday May 18 th 1897	
	7								This day fine at 6 A.M. began	
	8								discharge cargo and ashore are lighter	
	9								of various cargo at 5.30 and	
	10								lighter ashore with Calcutt so ended	
	11								this day 12 Days end	
	12								Past	
P.M.	1								Sunday May 19 th 1907	
	2								This day began with fine weather	
	3								and calm crew have been	
	4								Employed at discharge are big Light	
	5								of General Cargo the remainder of the	
	6								day keeping Saturday so ended this	
	7								Day 13 Days end	
	8								Past	
	9								Monday May 20 th 1907 according to Argonne	
	10								this day began with heavy Overcast	
	11								toward noon fine weather crew have been	
	12								keeping Sunday with was fine back today	

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.

14 Day end

From

towards

Lining of Clarke Point

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	day of
M.	1								Tuesday May 21 st	
	2								this day began with fine light	
	3								N. E. wind crew have been Employed at	
	4								Rigging ship to discharge coal to	
	5								Steam Lather port discharge one Lighter	
	6								with Chief Provisioner and other cargo for	
	7								Commerce at 2.30 Steamer Hunchay came alongside	
	8								and supplied the ship with 1500 Gallon Water	
	9								Steamer Paulon Bear Recived from the ship 10 Ton	
	10								coal so ended this day 15 Days end	
	11								Wednesday May 22 nd	
	12								This day began with heavy Overcast	
M.	1								and heavy Rain toward 8 A.M. Sun	
	2								came through the clouds with fine weather	
	3								at 4 A.M. crew began discharge ship	
	4								at 8 A.M. they took the lighter	
	5								to the Beach daily discharge at 3.00 P.M.	
	6								heavy Overcast and fine Rain Watchman began	
	7								watch at 5.30 P.M. so ended this day 16 Days end	
	8								Past Thursday May 23 rd 1907	
	9								this day began with fine light wind	
	10								from N.E. 3 A.M. began discharge Mr. Menden	
	11								Store with was finished at 7 A.M. at	
	12								2 P.M. the 2 small boats came alongside	

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	day of
M.	1								with Supt Mr. Johnson to man this	
	2								Starboard Anchor endshore with 30 Fathom Chain	
	3								Port Anchor with 45 fathom so ended	
	4								this day 17 Days end	
	5								Past	
	6								Friday May 24 th 1907	
	7								This day began with fine light wind	
	8								from S. and E. at 1.30 A.M. began discharge	
	9								cargo with constant fire and other cargo	
	10								belongings at 1.30 one big lighter came	
	11								along side so ended this day 18 Days end	
	12								Past	
M.	1								Saturday May 25 th 1907	
	2								this day began with fine weather began	
	3								Work at 4.30 A.M. and finished one big	
	4								lighter at 10.30 A.M. containing tin	
	5								and Sables so ended this day 19 Day	
	6								end	
	7								Sunday May 26 th 1907	
	8								This day began with heavy Overcast and	
	9								Rain Sables at this crew have been Employed	
	10								discharge coal the whole day	
	11								very	
	12								so ended this day 20 Day end	

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.

From

towards

Sailing of Clark Fair

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	day of	190
A.M.	1		Monday May 27 th 1907								
	2		This day began with heavy overcast								
	3		and fine hail and rain latter								
	4		part fine crew have been keeping								
	5		Sunday instead of festivity so ended								
	6		this day 21 days and past								
	7										
	8		Tuesday May 28 th								
	9		This day began with fine light								
	10		wind from the South crew have been								
	11		Employed discharge 41 st Tons of Salt so								
	12		ended this day 1 st Days and past								
P.M.	1		Wednesday May 29 th 1907								
	2		This day began with fine light wind								
	3		from the South crew have been Employed								
	4		discharge 2 nd Tons Coal out of ship hull so ended								
	5		this day Watchman began work at 5:30 P.M.								
	6		23 days and past								
	7		Thursday May 30 th								
	8		This day began with fine light wind								
	9		from North crew have been Employed								
	10		discharge Coal part of the day by then left								
	11		ship side at 3:30 P.M. so ended this day								
	12		24 days and past								

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.

From

towards

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	day of	190
M.	1		August 1 st 1907 at 6:41 st crew came aboard								
	2		found ship and same condition as vessel								
	3		we left and got order to begin								
	4		Loading ship and August 2 nd sharp								
	5										
	6		August 2 nd 1907								
	7		This day began with fine rain								
	8		and heavy overcast wind from								
	9		N.E. crew have been Employed loading								
	10		3,842 boxes of Salomon so ended this day								
	11										
	12		Saturday August 3 rd								
M.	1		This day began with heavy overcast								
	2		and fine rain throughout this day								
	3		crew have been Employed at								
	4		loading 1000 boxes of Salomon and								
	5		began discharge Coal Steaming at								
	6		1 P.M. at 6:30 P.M. finish discharge								
	7		Coal so ended this day								
	8										
	9		Sunday August 4								
	10		This day began with fine light								
	11		wind from S. and W. sky clear								
	12		crew have been Employed cleaning								

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	day of	190
A.M.	1		Friday May 31 st								
	2		This day began with fine weather								
	3		wind from the S.E. crew have been Employed								
	4		cleaning ship hull so ended this day								
	5		25 days and past								
	6		Saturday June 1 st 1907								
	7		This day began with fine light								
	8		South wind crew have been Employed								
	9		at cleaning ship toward 2 P.M. wind								
	10		increasing to a fair breeze and haul								
	11		toward the westward at 5:31 Watchman began								
	12		work so ended this day 26 days and								
P.M.	1		past								
	2		Sunday June 2 nd 1907								
	3		This day began with								
	4										
	5		Sunday May 2 nd 1907								
	6		Mate and crew go ashore								
	7		at 9:30 minutes 2 nd Mate out								
	8		2 nd Mate and Cook								
	9										
	10										
	11										
	12										

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.

H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	day of	190
M.	1								Ship's hull so ended this day		
	2										
	3								August 5 th		
	4								this day began with fine light		
	5								wind from South crew have been		
	6								Employed loading 5158 boxes of		
	7								Salomon and Rigged up the fore		
	8								st Galland yard and Royal Yard		
	9								so ended this day A.P. June		
	10										
	11								August 6 th		
	12								this day began with fine light		
M.	1								wind from S.E. crew have been keeping		
	2								Sunday so ended this day		
	3										
	4								August 7 th 1907		
	5								this day began with fine light wind		
	6								from S.E. with clear sky crew began		
	7								loading ship at 930 A.M. 4721 boxes Salomon		
	8								latter part heavy overcast and rain		
	9								so ended this day		
	10										
	11										
	12										

From *Lung at Clark* towards *Point*

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	day of	190
A.M.	1									August 8th 1904		
	2									This day began with fine light		
	3									wind from S.E. and clear crew have been		
	4									Employed Loading Ship the whole day		
	5									Ship Draught of Water Forward 16.10. Ench.		
	6									Aft 16.3 so ended this day		
	7											
	8									August 9th		
	9									This day began with fine weather and		
	10									light wind from S. crew have been Employed		
	11									Loading Ship the whole day so ended this		
	12									Day Ship's Draught of Water Forward 18.11.6		
P.M.	1									Aft 18.7 & Ench.		
	2											
	3									August 10th		
	4									This day began with fine light wind		
	5									from S. and clear crew have been Employed		
	6									Loading Ship the whole day finished Loading		
	7									Ship at 5.30 P.M. Ship's Draught of water		
	8									Forward 19.7.9 Ench. Aft 20.5.2 so ended this		
	9									Day A.P. Jensen		
	10											
	11											
	12											

From towards

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	day of	190
A.M.	1									August 13th 1904		
	2									This day began with moderate good		
	3									breeze from S.E. at 2.30 Fair Rain still		
	4									at 2.40 A.M. Steamer Knuckah started		
	5									to tow ship to sea at 5.30 A.M. passed		
	6									even again wind increasing. In a cyclone		
	7									heavy squalls and fog it in not yet		
	8									crossed the star Steamer Knuckah turned		
	9									back and towed ship to + anchor		
	10									7 late anchor were dropped started		
	11									Anchor and 7 fathoms of Water		
	12									45 fathoms of chain heavy overcast		
P.M.	1									and Rain throughout the day		
	2									Officer and crew keeping Anchor		
	3									Watch pumps lights and lookout		
	4									carefully tended to Ship's Company		
	5									of 93 men including Officer in Captain		
	6									93 men Chain and Japs 100		
	7									so ended this day A.P. Jensen		
	8											
	9									August 14th 1904		
	10									This day began with fine weather		
	11									breeze from S.E. at 4.30 Steamer Knuckah		
	12									came along side and towed ship		

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	day of	190
A.M.	1									August 11th 1904		
	2									This day began with fine light wind		
	3									from South crew have been Employed		
	4									part of the day loading ship and		
	5									handling Sails at 4 P.M. began		
	6									tackling the Smeels of the Anchor chain		
	7									and also have up Port Anchor		
	8									which lines the ship with 45 fathoms		
	9									of chain and Standard Anchor. Chain		
	10									came aboard at 5.30 P.M. so ended this		
	11									Day Ship ready for sea Ship's		
	12									Draught of Water Forward 20.6.8 Aft 20.9.8		
P.M.	1									Pumps lights attended to Watchman began		
	2									Anchor Watch at 6 P.M.		
	3									August 12th 1904		
	4									This day began with fine light		
	5									wind from S.E. and clear crew have		
	6									been Employed getting ship ready		
	7									for sea at 4 P.M. Fishermen came aboard		
	8									at 5 P.M. Steamer Knuckah came along		
	9									side ship and supplies as with		
	10									Water Ship Draught of Water Aft 21.0.2		
	11									Forward 20.09 Watchman began Night		
	12									Watch at 6 P.M. so ended this Day		

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	day of	190
A.M.	1									to sea at 5.10 let go hawsen and set		
	2									all sails Cape Italy down by Standard		
	3									Compass N E 1/4 E Nickses still		
	4									lost by Standard Compass N x S 1/2 S from		
	5									anchor and got over departure		
	6									Ship heading S.E. by Standard compass		
	7									Wind S.W x S. all well		
	8									Pumps lights and lookout		
	9									carefully tended to		
	10											
	11											
	12											

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.

From

towards

San Francisco

From

towards

San Francisco

Puskayk

Puskayk

San Francisco

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	15 day of August 1907
A.M.	1									This day began	
	2									with heavy current	
	3									and fine rain	
	4									strong wind from	
	5									S.W. at 9:30 P.M.	
	6									Tacked the Razors	
	7									and top and	
	8	20		S 8 1/2 E	S W	1.0			59.20	Double Reaped	
	9									the speaker	
	10									7:10 A.M. Tacked	
	11									Ship at 12 noon	
	12	24		S 1/2 E	S W	1.0			30.31	Tacked ship again	
P.M.	1									land and light	
	2										
	3										
	4	14		S W 1/2 N	S W	1.0				Later part	
	5									wind the S.W.	
	6									with light	
	7	19		N W						so much this	
	8	2		S 1/2 E	S W	1.0				day 1st day at sea	
	9									pumps lights	
	10									and lookout	
	11	19		S 5 E	S W	1.0				Carefully tended	
	12									to 2 ships and	
										light house S.W.	

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	17 day of August 1907
A.M.	1										This day began
	2										with light wind
	3										and calm
	4										First part all
	5										plain sails
	6										up pumps
	7										lights and look
	8										to carefully tended
	9										to
	10										
	11			S 1/2 W	E S E				30.22		
	12	8									
P.M.	1										
	2										
	3										
	4	18		S 5/4 W	East						Later part
	5										weather the
	6										same pumps
	7			S 1/2 W	S 1/2 S						lights and
	8	13									lookout bar
	9										lookout bar
	10										tended to
	11										3 days out
	12	16		S 1/2 W	S 1/2 S				30.11		

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 28° E	59 miles	5° 5' S	26' E	57° 45' N	57° 41'	2°	26' 15"	158° 08'	

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 45° W	54 miles	39° 8'	37' 17"	57° 01' N	57° 36'	21° E	32' 11"	159° 55' 6"	

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	16 day of August 1907
A.M.	1									This day began	
	2									with light wind	
	3									from South and East	
	4	6		N 1/2 W	S W	1.0			30.44	all plain sails set	
	5									pumps lights	
	6	2		W 1/2 N	South					and lookout	
	7									Carefully tended	
	8	3		W 1/2 W	S 1/2 E					to	
	9										
	10										
	11										
	12	8		S 1/2 W	S 1/2 East						
P.M.	1								30.66	Later part	
	2									weather the same	
	3									lights and current	
	4	2								pumps lights	
	5									and lookout	
	6									Carefully tended	
	7								30.70	to	
	8	8								2 days at	
	9									sea	
	10										
	11										
	12	6									

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	18 day of August 1907
A.M.	1									This day began	
	2									with heavy current	
	3									and fine rain	
	4	4		N 1/2 E	S W				30	light wind from	
	5									E N 8 with calm	
	6									at time	
	7									pumps lights	
	8	15		S 1/2 W	E S E					and lookout	
	9									Carefully tended	
	10									to	
	11										
	12	15		S 1/2 W	E S E						
P.M.	1									Later part	
	2									Continued fog and	
	3									mist Tacked ship	
	4	4		S 1/2 W	W 1/2 W					at 12 A.M.	
	5									with light and	
	6									fine rain so	
	7									much this day	
	8	4		S 1/2 W	W 1/2 W				30.22	pumps lights	
	9									and lookout	
	10									Carefully tended	
	11									to	
	12	7		S 1/2 E	S 1/2 W					4 days out	

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 68° W	24 miles	9' S	43' W	57° 40' N		21° E	21' 2"	159° 59'	

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 46° W	48 miles	34' 5"	35' 12"	57° 02' N	57° 08' N	21° E	30' 11"	161° 01' 4"	

From

Pishagk

towards

S. F.

From

Pishagk

towards

San Francisco

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
										19 th day of August 1907
A.M.	1									This day began
	2									with fine light
	3									air and calm
	4			SSE	SW					with heavy rain
	5									and fine rain
	6									performs light
	7									and lookout
	8									carefully tended
	9									
	10									Tacked ship at 4:00
	11									A.M.
	12			NW	S					
P.M.	1									
	2									
	3									Tacked ship at
	4									10:30 P.M. T tacky
	5									heavy rain
	6									and fine rain
	7									performs light
	8			SSW	ENE					and lookout
	9									carefully tended
	10									to all plain sails
	11									set
	12			SW	SE					5 days out

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
										21 st day of August 1907
A.M.	1									This day began
	2									with heavy Gale
	3									from SW ship
	4	8		SSE	SW	5.0			29.10	being far
	5									2 lower topsails
	6									and fore topmast
	7	4		WNW	SSW	5.0				topmast and
	8									7 lower staysails
	9									ship laboring heavy
	10									short heavy to
	11									circumstances
	12	3		West	South	5.0			29.60	performs light
P.M.	1									and lookout
	2									carefully tended
	3									to
	4	1		WNW	South	4.0				Tacked ship at
	5									9:30 P.M.
	6	2								
	7									
	8	2							29.77	Later part
	9									weather the same
	10									performs light
	11									and lookout
	12	4								carefully tended

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.

S 33° W 67 mi 69' S 46' W 16° 08' N 21° E 49 mi 162° 10'

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
										20 th day of August 1907
A.M.	1									This day began
	2									with heavy wind
	3									from N.E. all plain
	4	14		SW	SE					sails set toward
	5									6 A.M. wind tacked
	6									toward SW (indian)
	7									10 A.M. Tacked the
	8	14								main and fore royal
	9									and staysails also
	10				South					set and reefed the
	11									spanker
	12	14		West						1:30 Tacked the
P.M.	1									main galland sails
	2									and main sail
	3	14								3:30 Waved ship
	4	3		SE	SW	9.0				wind increasing
	5									to a Gale Tacked
	6									the spanker and
	7									fore and main top
	8	20				9.0				and fore sail heavy
	9									sea from SW ship
	10									laboring very heavy
	11			SE	SW	5.0				decks Tacked at
	12	17		SW						main performs light

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.

S 69° W 52' 55° 45' N 5° 40' W 20° E 163° 33' W 163° 42'

6 days out

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.

N 30° W 16 mi 8' 24' 13° 2' S 55° 55' N 55° 54' E 21° E 163° 26' 163° 10' W

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
										22 nd day of August 1907
A.M.	1									This day began
	2									with moderate
	3									wind from West
	4	8		WNW	SW	5.0				at 4:30 Tacked
	5									ship and set
	6	4		WNW	SW	5.0				all sails and
	7									made course S x 80
	8	4				2.0				heavy on board and
	9									light pay and fine
	10									rain at times
	11									at 10:20 Tacked all
	12	2								the light sails
P.M.	1									and reefed the
	2					1.0				spanker - performs
	3									light and lookout
	4	4								carefully tended to
	5	2								
	6			SE	West	1.0				
	7									
	8	18								
	9									
	10									
	11									
	12	30		SE	West	1.0				

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.

S 64° W 52 mi 22' 5' 46° W 55° 22' W 20° E 22 mi 169° 15' W 169° 10'

8 days out

From

Puskagk

towards

San Francisco

From

Puskagk

towards

San Francisco

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	23 day of August 1907
A.M.	1	25		SSE	WNW	—				This day began with moderate wind from NW all plain sails set at time 1:30 A.M. Scotch Cape light bore by standard compass N 81 E 1/2 E changed course to E x S Lay 96 miles from where we took our departure Lat 54° 20' North Long 164° 48' West pumps lights and lookout carefully tended to Latter part weather the same pumps lights and lookout carefully attended to 9 days out	
	2										
	3										
	4	27		SSE	NW	—					
	5										
	6										
	7										
	8	24		SSE							
	9										
	10										
	11										
	12	33		ESE							
P.M.	1			E x S 1/2 S						Latter part weather the same pumps lights and lookout carefully attended to 9 days out	
	2										
	3										
	4	29									
	5										
	6										
	7										
	8										
	9										
	10										
	11										
	12	28									

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	25 day of August 1907
A.M.	1									This day began with moderate breeze from SSE all plain sails set at 1:30 A.M. wind increasing to a strong breeze from SSE furled all the light sails at 4:15 furled the Galland sails and braced the Spantum also put on four support ropes and pumps lights and lookout carefully attended to Latter part wind increasing to light SSE and set all the sails pumps lights and lookout carefully attended to 12 days out	
	2										
	3										
	4	31		E x N							
	5										
	6	13		E x N		SSE					
	7										
	8	15		N 81 E 1/2 E							
	9										
	10										
	11										
	12	30		N 81 E		1.0	32				
P.M.	1									Latter part wind increasing to light SSE and set all the sails pumps lights and lookout carefully attended to 12 days out	
	2										
	3										
	4	25		N 81 E		1.0					
	5										
	6										
	7										
	8	27		N 81 E		1.0					
	9										
	10										
	11										
	12	14		N 81 E		1.0					

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
SSE	169 miles	1° 41' 18"	1° 53' E	53° 58' N	52° 31' N	20° E	1° 40' 18"	162° 32' 18"	162° 22' 18"

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
N 64 E	142 miles	17 miles	3° 39' 17"	52° 17'	—	21° E	88 miles	159° 15' 17"	159° 15' 17"

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	24 day of August 1907
A.M.	1			E x S 1/2 S	NW	—				This day began with fair light wind from NW all plain sails set pumps lights and lookout carefully attended to	
	2										
	3										
	4	24									
	5										
	6										
	7										
	8	21									
	9										
	10										
	11										
	12	26									
P.M.	1				SSE					Latter part weather the same toward South all plain sails set pumps lights and lookout carefully attended to 10 days out	
	2										
	3										
	4	29									
	5										
	6				South						
	7										
	8	30									
	9										
	10										
	11										
	12	28									

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	26 day of August 1907
A.M.	1									This day began with fair breeze from SSE all plain sails set pumps lights and lookout carefully attended to	
	2										
	3										
	4			E x S	SSE	1.0					
	5										
	6										
	7										
	8			ESE	SSE				30.10		
	9										
	10										
	11										
	12										
P.M.	1									Latter part weather the same furled the Mays and increasing to strong breeze pumps lights and lookout carefully tended to Latter part test fog fog signal, found 12 days out	
	2										
	3										
	4										
	5										
	6										
	7										
	8			E x S					30.10		
	9										
	10										
	11										
	12								30.3		

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
SSE	162 miles	1° 41' 3"	2° 29' E	51° 59' N	52° 28' N	21° E	75 miles	158° 58' 18"	158° 34' 18"

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
SSE	169 miles	1° 35' 3"	139 miles	51° 42' 00"	—	21° E	82 miles	157° 19' 10"	157° 19' 10"

From

towards

Nushagak

San Francisco

From

towards

Nushagak

San Francisco

	H.	K.	½K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	27 day of August 1909
A.M.	1			E x S ½ S	S ½ S W	½ N					This day began
	2										with moderate
	3										breeze from S ½ S W
	4	31									all plain sails
	5										set pumps light
	6	15									and lookout
	7										carefully attended
	8	14									
	9										
	10										
	11										
	12	30									
P.M.	1										
	2										
	3										
	4	30									Lathe part
	5										mined hauled
	6										toward S ½ W with
	7										heavy fog fog
	8	32									signals hauled
	9										pumps light
	10										and lookout
	11										carefully attended
	12	38									

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
S ½ S E	193 Miles	120 S	130 E	41° 41' N	—	21° E	80 Miles	147° 24' E	80

	H.	K.	½K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	28 day of August 1909
A.M.	1			E S E	S W	½ N					This day began
	2										with good breeze
	3										from SW all plain
	4	36									sails set pumps
	5										lights and lookout
	6	18									carefully attended
	7										
	8	17									
	9										no observation
	10										
	11										
	12	38									
P.M.	1										
	2										Lathe part
	3										hauled toward
	4	38									west and full
	5										light all plain
	6										sails set pumps
	7										lights and lookout
	8	35									carefully attended
	9										
	10										
	11										
	12	24									

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
S ½ S E	208	2° 10' S	3° 56' E	41° 51' N	—	21° E	75 Miles	142° 28' E	75

	H.	K.	½K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	29 day of August 1909
A.M.	1			E S E	N W	½ N					This day began
	2										with fine light
	3										mist from N ½ E
	4	19									all plain sails
	5										set pumps light
	6										and lookout
	7										carefully attended
	8	20									
	9										
	10										
	11										no observation and
	12	9									account the fog
P.M.	1										
	2										
	3										
	4	9									Lathe part
	5										mined hauled
	6										toward S ½ W with
	7										heavy fog fog
	8	13									signals hauled
	9										pumps light
	10										and lookout
	11										carefully attended
	12	20									

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
S ½ S E	78 Miles	22 S	74 E	41° 09' N	—	21° E	85 Miles	139° 38' E	85

	H.	K.	½K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	30 day of August 1909
A.M.	1										This day began
	2										with fine air
	3										and calm heavy
	4	25		E S E	S W						Fog Fog signals
	5										hauled pumps
	6										light and lookout
	7										carefully attended
	8	21			West						
	9										
	10										
	11										
	12	24		E x S	W x N						
P.M.	1										
	2										Lathe part
	3										mined increasing and
	4	22									hauled toward
	5										West and North
	6										with heavy fog
	7										Fog signals hauled
	8	23									pumps light
	9										and lookout
	10										carefully attended
	11										to all plain
	12	18									Sails set

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
S ½ S E	132 Miles	1° 29' S	2° 19' E	41° 40' N	41° 44' N	21° E	41 Miles	137° 16' E	137

From

towards

Rushagah

San Francisco

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	1 st day of	1907
A.M.	1			ESE	NW	—				This day began		
	2									with light wind		
	3									from N and West		
	4	21								all plain sails set		
	5									pumps lights		
	6	12								and lookout		
	7									carefully attended to		
	8	11										
	9											
	10											
	11											
	12	24										
P.M.	1									Sat. part wind		
	2									hauled toward N		
	3									and increasing all		
	4	23								plain sails set		
	5									no observation		
	6									pumps lights		
	7									and lookout		
	8	27								carefully attended		
	9									to		
	10											
	11											
	12	29										

14 days at sea

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 51° E	147 mi	1° 32' S	2° 42' E	99° 12' W	—	21° E	58 mi	133° 14' W	—

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	1 st day of	1907
A.M.	1			SE 1/4 E North	—					This day began		
	2			1	1					with fine light		
	3			1						wind from		
	4	31		1						North all plain		
	5			1						Sails set pumps		
	6			1	1					lights and lookout		
	7			1						carefully attended		
	8	30		1						to		
	9			1								
	10			1	1							
	11			1								
	12	26		1								
P.M.	1				1					Sat. part		
	2									heavy overcast		
	3			1						and fine rain		
	4	21								wind hauled		
	5				1					toward NW		
	6									and light pumps		
	7			1						lights and lookout		
	8	14			NW					carefully attended		
	9									to		
	10			1	1					2 P.M. light air		
	11									and calm		
	12	8								18 days at sea		

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 45° E	130 mi	1° 33' S	2° 04' E	42° 41'	42° 18'	21° E	53 mi	131° 10'	131° 53'

From

towards

Rushagah

San Francisco

	H.	K.	½ K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS
										2 nd day of Sept 1907
A. M.	1			ESE	NW					This day began
	2			'	'					with fine light
	3			'	'					breeze from
	4	15'		'	'					NW all plain
	5			'	'					sails set pumps
	6			'	'					lights and lookout
	7			'	'					carefully attended
	8	15'		'	'					to
	9			'	'					
	10			'	'					
	11			'	'					
	12	15'		'	'					
P. M.	1			'	'					Lathe part wind
	2			'	'					the same pumps
	3			'	'					lights and
	4	15'		'	'					lookout carefully
	5			'	'					attended to
	6			'	'					
	7			'	'					
	8	15'		'	NE					
	9			'	'					at 8 P.M. wind
	10			'	'					increasing and hauled
	11			'	'					toward NE
	12	16		'	'					all plain sails set

19 days at sea

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 50° E	93 mi	1° 4' S	1° 27' E	41° 19' N	41° 21' N	19° E	23 mi	129° 41' W	129° 30' W

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	3 rd day of	1907
A. M.	1			Ex S S S	N E	—			30.66	this day began	Sept 3 rd	
	2									with moderate		
	3									breeze from		
	4	18								N E all plain		
	5									sails set pumps		
	6	12								lights and lookout		
	7									carefully attended		
	8	15								to		
	9								30.22			
	10											
	11											
	12	32										
P. M.	1									Sat. part wind		
	2									increasing to fresh		
	3									breeze from N W		
	4	35			N W					at 1.30 Furler		
	5									the Rayals pumps		
	6								30.11	lights and lookout		
	7									carefully attended		
	8	38								to		
	9									at 2 P. M. Furler		
	10									The Gulland sails		
	11									also shipped the Spanish		
	12	39								20 days at sea		

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by Ob.
S 45° E	190	2° 13' S	3° 09' E	39° 07'	39° 04' N	19° E	56 mi	126° 27' W	126° 09' W

From

Nushagak

towards

San Francisco

From

Nushagak

towards

San Francisco

	H.	K.	½K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	day of
A.M.	1									This day began	Sept 1907
	2									with strong	
	3									breze from	
	4	37		E.S.	N.W.				30.10	N.W. all plain	
	5									sails set pumps	
	6									lights and lookout	
	7									carefully attended	
	8	33		East	North				30.14	to	
	9										
	10										
	11										
	12	30		1						Later part set	
P.M.	1									all plain sails	
	2									and chipping at	
	3									8.0 P.M. light met	
	4	20		1						and calm pumps	
	5									lights and lookout	
	6	3								carefully attended	
	7									to	
	8	5		S.E.	N.E.				30.22		
	9										
	10										
	11										
	12	10		1						21 days out	

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.
 134 Miles 56 Miles 121' E 38° 08' N = 19° E 33' 123° 31' W

	H.	K.	½K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	day of
A.M.	1									This day began	Sept 1907
	2									with fine light	
	3									wind from all	
	4	9		N.W.	East					around the compass	
	5									all plain sails	
	6									set	
	7										
	8										
	9										
	10										
	11										
	12	6		S.E.	E.N.E.					Later part calm	
P.M.	1									with heavy overcast	
	2									and fine rain at	
	3									times also fog	
	4	6		S.E.	S.					pumps lights	
	5									and lookout	
	6									carefully attended	
	7									to	
	8	6									
	9										
	10										
	11									no observation this	
	12	3								22 days out	

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.
 134 Miles 56 Miles 121' E 38° 08' N = 19° E 33' 123° 31' W

	H.	K.	½K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	day of
A.M.	1									This day began	Sept 1907
	2									with calm	
	3									and light air	
	4	4		N.W.	East					from East	
	5									all plain sails	
	6	4								set pumps	
	7									lights and	
	8	4		N.E.	S.E.					lookout	
	9									carefully attended	
	10									to	
	11										
	12	4									
P.M.	1										
	2										
	3										
	4	2									
	5										
	6										
	7										
	8	4		E.S.E.	N.E.					Later part	
	9									weather the	
	10									same pumps	
	11									lights and	
	12	4		E.S.E.	N.W.					lookout attended	

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.
 134 Miles 56 Miles 121' E 38° 08' N = 19° E 33' 123° 31' W

	H.	K.	½K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	day of
A.M.	1									This day began	Sept 1907
	2									with moderate breeze from	
	3									N.W. all plain sails set	
	4									3 A.M. on Starboard tack and	
	5									the light sails and four and	
	6									also got anchor ready for	
	7									pumps lights and carefully	
	8									lookout attended to	
	9									at 7.30 Tug Pilot got	
	10									alongside and	
	11									offered to tow ship to	
	12									port at 7.45	
P.M.	1									got hawsen anchor at	
	2									7.55 Tug Pilot	
	3									Stations	
	4									Anchor and 9 fathoms of	
	5									water dachon	
	6									can anchor and passed	
	7									the crew all	
	8									met at 10.40 the	
	9									Compliment of Fishermen	
	10									left the ship and the	
	11									Pilot again can	
	12									along side and turned	
										ship to Murray	
										flats in rear and	
										dropped the Starboard	
										Anchor with 45 fathoms	
										of chain & lines	
										left ship mate and	
										carpet and	
										3rd mate by ship and	
										have been	
										employed Cherry ship	
										at 6 P.M.	
										Watchman began	
										anchor water lights	
										carefully attended to	
										foremast and aft	
										tow under this voyage	
										24 days at	
										sea all well	
										1 day and port	

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.
 134 Miles 56 Miles 121' E 38° 08' N = 19° E 33' 123° 31' W

From

towards

Lining end San Francisco Bay

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	day of	190
A.M.	1									September 8 th 1907		
	2									Thin clay began		
	3									with heavy Overcast and fog at		
	4									thin ship still lying at Mission		
	5									plate light carefully attended to		
	6									2 Day and part		
	7									September 9 th		
	8									Thin day began with fine light		
	9									mist from S.W. ship still at		
	10									Anchor Day Watch and light		
	11									watch carefully attended to		
	12									Also the pumps		
P.M.	1									3 Day and part		
	2									September 10 th		
	3									Thin day began with fine light		
	4									mist from S.W. and West ship		
	5									Thin lying at Mission plate		
	6									light's pumps attended to light		
	7									watch began at 6 P.M.		
	8									4 Day and part		
	9									September 11 th 1907		
	10									Thin day began with light mist		
	11									from N.W. toward 3 P.M. mist		
	12											

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	day of	190
A.M.	1									haunted toward west and with a		
	2									gale got lost Anchor ready for		
	3									let go		
	4									Within part mist clearing		
	5									Light's and pumps carefully		
	6									attended to 5 days and part		
	7									September 12 th 1907		
	8									Thin day began with fine light		
	9									mist from North fine weather		
	10									throughout Thin Twenty Four Hour		
	11									pumps sounded Light's carefully		
	12									attended to 6 Days and part		
P.M.	1									September 12 th 1907		
	2									Thin day began with fine light		
	3									mist from N.W. ship still lying to		
	4									an Anchor of Bristol Iron Works		
	5									Light's and pumps carefully		
	6									8 Days and part		
	7											
	8											
	9											
	10											
	11											
	12											

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.

From

towards

Lining of Bristol Iron Works

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	day of	190
A.M.	1									September 19 th 1907		
	2									Thin day fine and clear light and		
	3									day watch tended to		
	4									8 Day and part		
	5									Sep. 19 th		
	6									weather fine Light's pumps		
	7									carefully attended to 8 Day and part		
	8									Sep. 19 th		
	9									weather fine Light's and pumps		
	10									attended to 8 Day and part		
	11											
	12											
P.M.	1											
	2											
	3											
	4											
	5											
	6											
	7											
	8											
	9											
	10											
	11											
	12											

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.

	H.	K.	1/2 K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	day of	190
A.M.	1											
	2											
	3											
	4											
	5											
	6											
	7											
	8											
	9											
	10											
	11											
	12											
P.M.	1											
	2											
	3											
	4											
	5											
	6											
	7											
	8											
	9											
	10											
	11											
	12											

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. in. Lon. by Ob.

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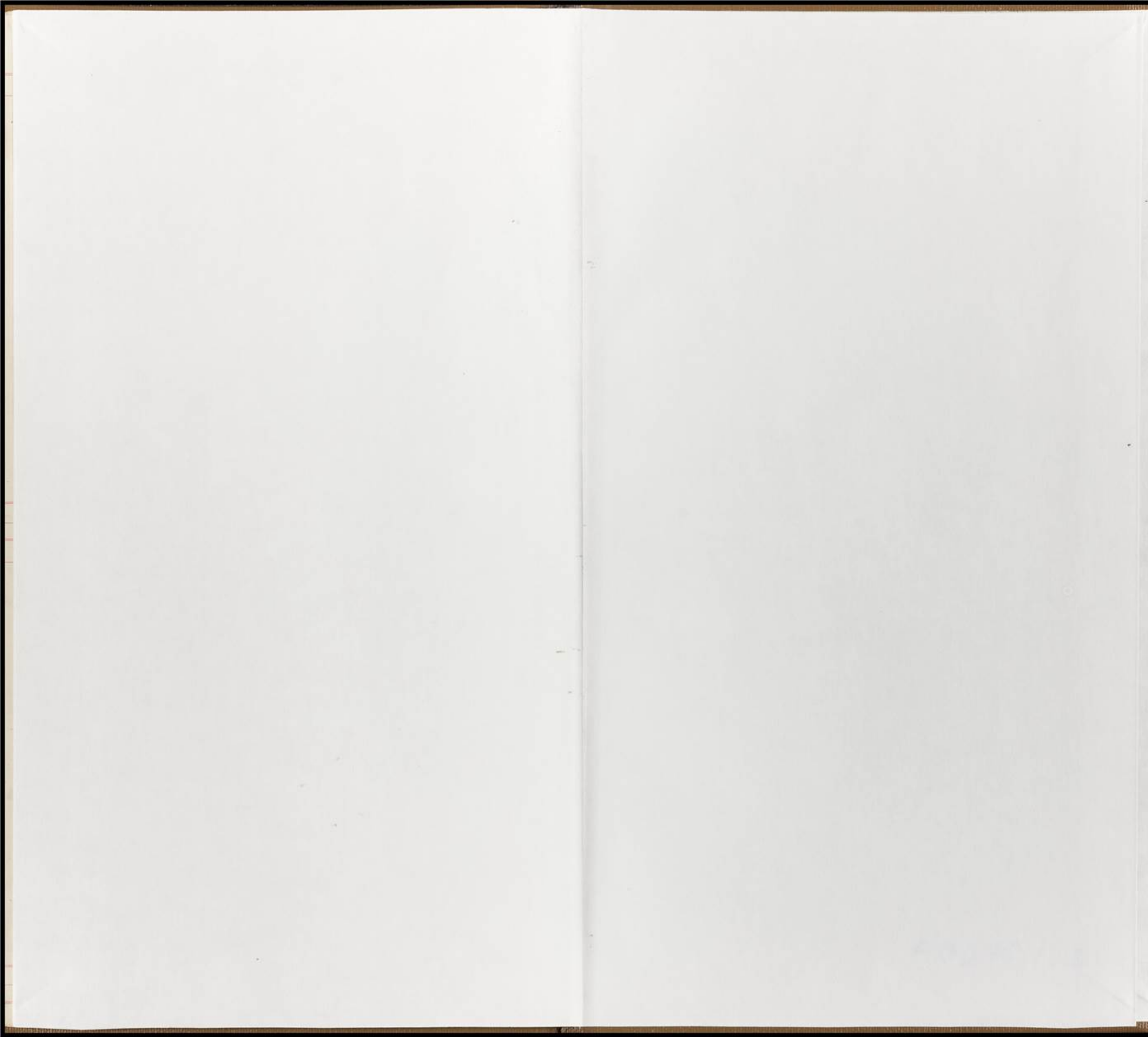
towards

	H.	K.	$\frac{1}{2}$ K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	day of	190
A. M.	1											
	2											
	3											
	4											
	5											
	6											
	7											
	8											
	9											
	10											
	11											
	12											
P. M.	1											
	2											
	3											
	4											
	5											
	6											
	7											
	8											
	9											
	10											
	11											
	12											

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by O
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	H.	K.	$\frac{1}{2}$ K.	COURSES	WINDS	LEEWAY	TEMP. AIR	TEMP. WATER	BAROM.	REMARKS	day of	190
A. M.	1											
	2											
	3											
	4											
	5											
	6											
	7											
	8											
	9											
	10											
	11											
	12											
P. M.	1											
	2											
	3											
	4											
	5											
	6											
	7											
	8											
	9											
	10											
	11											
	12											

Course	Distance	Diff. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. in.	Lon. by O
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