R/V COLUMBUS ISELIN 78023 nav

~~COMPUTATION~~ NOTE BOOK

NATIONAL 43-648 Made in U.S.A.

~~Course~~ CI · 7-78 - 1

~~Name~~ NAVIGATION LOG

678 -

100437

Columbus Iselin 1-78-1

18 Aug 78 U/W from NOAA docks, Dodge Island, Miami @ 1750

Scientific party:

James Robb
David Twichell
John Hampson
Peter Stinger
Valerie Paskevich
Pat Brady
Tim Bishop
Phil Shea
Jerry McCarthy
Nicholas Lefteriou
Alan Goodman
John Kirby
David Mason

Iselin Capt Bob Morgan

19 Aug 78 2150 Z slow to 4 kts (±) test overside gear:
20 Aug 78 0200 Z secure gear aboard, resume full speed
(no data gathered)

21 Aug 1509 Arrive near 38° N, 74 W stream gear.

Problem? W NorthStar 9960 rate 42180, 15540, 26715
shows lat lon as 37 56, 74 01
— poor crossing! reset lat lon to W-Y

watches: 8-12 BISHOP
STINGER
KIRBY
12-4 HAMPSON
BRADY
SHEA
4-8 TWICHELL
LEFTERIOU
PASKEVICH

GOODMAN TECHS ON CALL
McCARTHY
MASON

DATE

21 Aug [redacted]

21 Aug [redacted]

	1700	15511.8	26679.2	42226.4
	1731	15503.8	26670.8	42293.5
	1801	15495.7	26661.9	42260.4
	1820	15490.9	26656.1	42271.7
	1842	15484.6	26649.8	42285.0
	1921			
note to watch stanbar. Make sure the course function is on SCLR when using stations X & Y.	1935	15469.4	26631.3	42300.1
	1950	15463.6	26623.0	42294.4
	2007	15456.5	26613.2	42287.6
	2020	15450.9	26605.6	42282.7
	2040	15442.6	26593.6	42274.4
	2100	15433.6	26581.2	42265.6
	[illegible]	[illegible]	[illegible]	[illegible]
	2125	15422.0	26565.2	42254.2
	2140	15414.5	26554.8	42247.0
	2206	15420.1	26561.8	42247.1
	2220	15424.9	26568.5	42252.3
	2240	15432.5	26579.3	42260.3
	2300	15440.8	26590.8	42269.0
	2320	15448.6	26602.1	42277.5
	2340	15456.6	26613.1	42286.6
22 Aug. 78	0000	15464.4	26624.4	42294.9
	0020	15473.8	[illegible]	[illegible]
	0020	15472.9	[illegible]	[illegible]

Lat. Long in degrees - minutes - 10ths of minutes NOT seconds

COMMENTS

gear streamed, v/w for 1st line, test gear

38° 02.9 74° 00.6 — 9960 chain

38 03.4 74 00.3

S1 = 15 XXX

S2 = 42 YYY

S3 = 26 ZZZ

1555 attempting to steer computed line to start line 1 at 73 44, 38 11.5

5	38° 04.7'	73° 57.2'
0	38 04.4	73 55.5'
00	38 04.8	73 53.9
1	38 06.3	73 51.97
20	38 07.73	73 50.04
20	38 08.71	73 48.89
42	38 09.7	73 47.4
15	38 11.51	73 45.5
21	38 11.75	73 44.92
24	38 11.70	73 44.65
35	38° 10.98	73 43.79
50	38° 10.26	73° 42.4
07	38° 09.45	73° 40.69
20	38° 08.83	73° 39.34
40	38° 07.80	73° 37.30
	38° 06.71	73° 35.14
2		
25	38° 05.28	73° 32.34

1650 Reassign slaves S1 = 26, S2 = 44, S3 = 15

SNRs S1 & S2 both > 900

c/c to 123°

on course, LINE # 1 destination X 284, Y 421

Slowed engines seeking noise reduction pitch 2 900 RPM

40	38° 04.4	73° 30.5
45	course change to 303° True	c/c = course change
3	S/O 303°	
06	38° 04.52	73° 31.87

Change pitch 1.8 900 RPM

20	38° 05.15	73° 33.01

Clock synch

2.2 pitch 850 RPM

240	38° 06.15'	73° 34.86
300	38° 07.22'	73° 36.87'
320	38° 08.26'	73° 38.78'
340	38° 09.30'	73° 40.69
000	38° 10.36	73° 42.60°
020	38° 11.39°	73° 44.62°
026	38 11.36°	73 44.15°

New Watch. Bishop

c/c to 123° T

start line # 1