80021/nav

U.S.G.S.
INTEGRATED NAVIGATION SYSTEM
AND
NORTHSTAR LORAN-C NAVIGATION LOG

SHIP RV MECHO TEST

DATE 13 AUGUST 1980

DUXBURY MASS

80021
NEGH
TEST
100746

TORRENCE DOWDS

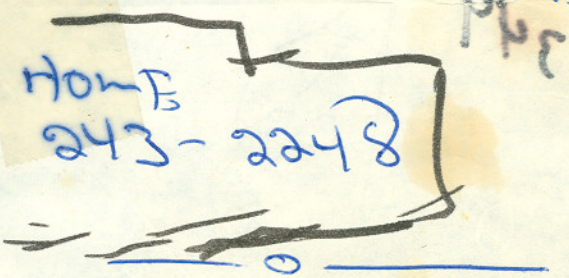
969-0100

EXT 3643

BOSTON COLLEGE

HOME

243-2248



DUXBURY BEACH

OPS

12 KHz | 3.5 KHz | CSP | MAG | GRAV. | SONO. | STA.

COMMENTS AND OBSERVATIONS

PAGE

0800 - W/W FROM CATAMUT ENROUTE TO DUXBURY VIA CANAL

PERSONNEL:
PAUL LOUD
FRANK JENNINGS
KEN PAROLSKI

0900 - RADIO CHECK W/BASE
PASSED WORD TO NOTIFY DUXBURY OF DELAY

TRANSIT THROUGH CANAL ON STBD ENGINE WHILE MINOR LEAK REPAIRED IN PORT COOLING SYSTEM.

1600 - SANDWICH MARINE FOR COOLING WATER

1015 - U/W FOR DUXBURY

1230 - ARR DUXBURY. TOOK ON TERRENCE DOWNS + BOB STEVENS FROM BOSTON COLLEGE.

COMMENCED RIGGINGS
SPARKER & SIDE SCAN

OPS							COMMENTS AND OBSERVATIONS	PAGE ____
12 KHz	3.5 KHz	CSP	MAG	GRAV.	SONO.	STA.		
							1555 cont'd	
							End of Survey (EOL #5)	
							J. H. Torrence Downes PO Box 609 Lasell Jr. College Newton, MA. 02166	RM 169 HIGGINS BOSTON COLLEGE CHESTNUT HILL, MA 02167
	16							

GMT				TIME ZONE	SHIPS		NAVIGATION							
DAY	MO	YR	TIME	±	COURSE	SPD	FIX TIME	LATITUDE ± DEGREES	LATITUDE MINUTES	LONGITUDE ± DEGREES	LONGITUDE MINUTES	TYPE	QUAL.
13	08	80						42	02.29	70	40.16		
			1300						01.04		39.98		
			1305						00.65		39.17		
			1310						00.25		38.87		
			1315						59.88		38.97		
			1319										
			1320						54.51		39.15		
			1325						59.11		39.27		
			1330						59.20		38.80		
			1335						59.72		38.33		
			1340						59.38		37.83		
			1345						59.49		37.32		
			1350						59.61		36.80		
			1355						59.71		36.31		
			1400						59.76		35.80		
			1405						59.86		35.31		
			1407						59.91		35.88		
			1410						00.09		35.27		
			1411						00.19		35.27		
			1413						00.32		35.18		
			1420						00.78		35.59		
			1425						01.16		35.91		
			1430						01.55		36.16		
			1435						01.94		36.44		
			1440						02.35		36.67		
			1445						02.16		37.04		
			1450						03.12		37.37		
			1457						03.64		37.67		
			1500						03.87		38.05		

OPS

12 KHz | 3.5 KHz | CSP | MAG | GRAV. | SONO. | STA.

COMMENTS AND OBSERVATIONS

Start Line 1

CHG BELT ON SPARKER

EOL # 1 SOL #2

1337 clear sidescan fish

Zig-Zag — Lobster Pots 1340 - clear of traps

change scale Side scan 100m : 1348

1407 EOL SOL

1410 Lobster Pots

EOL 1 SOL 3A 1411

EOL 3A SOL 3B 1413

Passing over High Pine Ledge

GMT				TIME ZONE	SHIPS		NAVIGATION								
DAY	MO	YR	TIME	±	COURSE	SPD	FIX TIME	LATITUDE ± DEGREES	LATITUDE MINUTES	LONGITUDE ± DEGREES	LONGITUDE MINUTES	TYPE	QUAL.
13	08	89	1505					042	04.24	070	38.36		
			1515						.		.		
			1525						02.44		38.01		
			1530						02.11		37.61		
			1535						01.75		.32		
			1540						01.48		36.89		
			1544						01.24		36.60		
			1550						01.55		36.03		
			1553						01.65		35.71		
									.		.		
			1610						.		.		
									.		.		
			1700						.		.		
			1710						.		.		
									.		.		
			2020						.		.		

OPS							COMMENTS AND OBSERVATIONS	PAGE 2/2
12 KHz	3.5 KHz	CSP	MAG	GRAV.	SONO.	STA.		

EOL # 3B PULL GEAR

STREAM GEAR

SOL #4 155°M

CHG SPARKER SCALE TO 1/8 SEC

EOL #4 / SOL #5

EOL #5

GEAR PULLED - ENROUTE PUXBURY HARBOR
TO DROP OFF DOWNES & STEVENS
ARR PUXBURY
DEPART PUXBURY ENROUTE CANAL

ARRIVE CATAMUT MARINA

SECURE