

Accession No.: 82-13

PROCESSING RECORD
SCRIPPS INSTITUTION OF OCEANOGRAPHY ARCHIVES

Scripps Institution of Oceanography. Marine Physical Laboratory

SIO Marine Physical Laboratory Records, 1958-1974

PHYSICAL DESCRIPTION: 33 mss; 1 Lmss, film

DESCRIPTION: Records of the SIO Marine Physical Laboratory, including data, films, photographs and drawings documenting underwater acoustics, Birdsall 60' shot, Morris Shell Project, Group 10, SUS Quality Assessment, FLIP, RUM (Remote Underwater Manipulator) and DIMUS (Digital Multibeam Steering).

S.I.O. MARINE PHYSICAL LABORATORY
Records, 1958-1974
Accession Number 82-13

BOX	FOLDER TITLE
1	CLIPPED ARRAY Anderson
	AMBIENT NOISE STUDIES ARRAY BEAM PATTERNS - GRAPHS Anderson
	CORRESPONDENCE - PERSONAL Anderson
	MEMORANDA SIO Anderson
	EMPLOYMENT Anderson
	PROFESSIONAL ORGANIZATIONS Anderson
	MISC. NOTES - Anderson
	AMBIENT NOISE STUDIES - PHOTOS Anderson
	DIELECTRIC RECORDING NOTES Anderson
	ARTEMIS RUM -- CONFERENCE
	PROPOSALS
	ARTEMIS RUM
2	PUBLICITY
	HUGHES
	JERED
	GENERAL MILLS
	GREBOW
	MANIPULATOR
	TELEVISION

BOX	FOLDER TITLE
2	ARTEMIS [RUM] PROSPECTIVE BIDDERS A-H
3	<p>PROSPECTIVE BIDDERS I-Z</p> <p>DRAWINGS</p> <p>STANCHION ASSY UNDERWATER MANIPULATOR</p> <p>DETAIL STANCHION ASSY</p> <p>DETAIL STANCHION ASSY</p> <p>DETAILS VERTICAL INDEX STRUCTURE</p> <p>DETAILS VERTICAL INDEX STRUCTURE</p> <p>DETAILS UNDERWATER MANIPULATOR</p> <p>RECEIVING ARRAY - NOTES Anderson</p> <p>SCATTERING Anderson</p> <p>THERMISTOR Anderson</p> <p>MENTONE LABORATORY Anderson</p> <p>USAG 1958 Committee Notes Anderson</p> <p>ALUMINUM FOIL Anderson</p> <p>INSTRUCTION BOOKS Anderson</p> <p>MECHANIZED RADAR OPERATOR Nordseick's Notes Anderson</p> <p>PHOTOGRAPHS Anderson</p> <p>ZAMBONI PILE Anderson</p> <p>REFERENCE CHARTS Anderson</p> <p>NON-GAUSSIAN NOISE AND FLUCTUATION Anderson (Eckart's Notes)</p> <p>Unidentified Notebook</p>

BOX**FOLDER TITLE**

4

Graphs

SPARK SOURCE Anderson

CATAMARAN DESIGN Anderson

HYDROPHONES Anderson

LINEAR PHASE-SHIFT NETWORKS Anderson

PHOSPHOR TIME DECAYS Anderson

REPRINTS Anderson

ARRAY RECORDS Anderson

HARVARD CORRESPONDENCE Anderson

DELTIC - MISC. Anderson

5

Circ Array Beam Patterns USL

Scientific and Technical Publications Pamphlets (Rudnik)

DIMUS – PRINTED CIRCUIT

ZALKIN – WINCH & THERMOCLINE

ZALKIN – WINCH & THERMOCLINE

ZALKIN – WINCH & THERMOCLINE

ZALKIN – WINCH & THERMOCLINE

ISOTHERM FOLLOWER – ZALKAN

GAIN SETTING CHECKS

FNWC ENVIRON DATA SEPT-OCT-‘72

“AVERAGE NOISE” WITH SHIPS IN AREA 09 OCT 72

TTY OP. LOGS FOR AC SHOT RUNS

BOX	FOLDER TITLE
5	TASS-SONODIVER COMPARISONS 26 SEPT-72, 27 SEPT-72
6	TASS-SONODIVER COMPARISONS 26 SEPT-72, CHANNELS 11-15 (AXIS GROUP)
	RIG PUSHER SHOT RUNS SEPT/OCT '72
	MISC. LRAPP SEPT-OCT.
	LRAPP NOISE TTY LOGS SEPT-OCT 1972
	MEMORANDUM CHURCH ANCHOR Exercise Plan - Preparation and Distribution Schedule
6	FLIP - BAJA II SEPT-OCT '72
6	DE STEIGUER BAJA II (SEPT-OCT '72)
	TRANSMISSION LOSS CURVES AND RAY TRACE PLOTS
	12 rolls LRAPP 45 North to 60N 6/3-6/15/73
	19 rolls LRAPP 45N South to 30N 6/1-6/11/73, 7/3/73
	18 rolls LRAPP 30-30N North to 60N 6/2/73, 6/15/73, 7/1-7/2/73
	28 rolls LRAPP 32-10N South to 30N 6/1-6/9/73, 7/2/73
	25 rolls LRAPP 30-30N South to 30N 6/3/73, 6/30/73
	21 rolls LRAPP 32-10N North to 60N 6/4-6/28/73
	9 rolls, start of roll AGASSIZ 24 AUG. '71
	SKIP PLOT 12/4/76
	PLOT #1, ROLL #2, LAST PLOT
	3 PLOTS LAC 11,12,13,14 MARCH 1970
	2 PLOTS RELCAN MGA CHARTS 2N2219 SEPT-OCT '72
	5 Miscellaneous Charts

BOX**FOLDER TITLE**

7 NOISE & CWI 06:24:55, 23 Sept. 73, 4 phones
CEPSTRUM 06:03:51, 23 Sept. 73
Tracings of Top Envelope H21, 0500-1430, 23 Sept. 73
DB-CEPSTRUM 4 Phones 04:38:28, 23 Sept 73
23:00:09
1.1 oz. 60' Multipath Thoughts
23:04:09
23:06:10
23:08:49, 800'
23:10:11
23:12:11
23:14:11 Cap (or Noise)
23:16:13
23:18:12
23:20:12
6:23
6:33
6:39
6:44
7:04
7:14
7:24

BOX	FOLDER TITLE
7	7:34
	7:44
	8:04
	8: 14
	8: 24
	8:44
	9:04
	9:14
	9:19
	9:24
	SUMMARY 23 Sept. 73, 6:13 - 9:24
	75041 IGPP Shot Program
	fp2 4 phones, 23 Sept. 73, 06:04:51
	Misc. Times fp2 plots, 23-24 Sept. 73 H21
	1.8# 300' Shots
	Third Octave Band Memo 3:4:5
	EXTENDED PHASE
	FND 60' Shots
	FINALS USED 'SMSH4C Vo8-01' CALS HI-114.6, H12-114.1, H15-114.1
	H21-114.1, 60' Smoothed Shots Bent North
8	60' SHOTS, <u>MISC.</u> , SMSH4C & 4 chan. SHOT PLOT
	60' SHOTS, SHPLOT preliminary, SHOT PLOTS contains (a) mostly 60', (b) some noise, (c) a few 300' and 800'

BOX**FOLDER TITLE**

8

60' SHOTS SIG preliminary including aircraft SSMH4C & SMAC60

S & N/N 60' SHOTS SSMH4C preliminary

Noise Alone

6:13

Last 2 Tapes in Run

[BRDFNO] STEWART, BENT, START 00:19:26 (last 22 hr. 264 miles), H21

BROFNO using THORPE, SHOTS, 13-June-75, START 00:19:26 (last 22 hr. 264 miles), H21

Miscellaneous Figures

RECEIVER ARRAY

CLIPPED SEARCH 1

SOURCE ARRAY PLOTS A-H

SE7 T

SHELL - Final Beam Pattern Plots

1st set of Perform. Eval. PLOTS INCORRECT

2nd set of Perform. Eval. PLOTS INCORRECT

3rd set of Perform. Eval. PLOTS (CORRECT)

VOLUME IV - SYSTEM TECHNICAL REPORT - SUBMERSIBLE PIPELINE REPAIR

CONTROLS (SPRC)

9

Unidentified Folder (sketches)

Hard bound notebook containing literature of the testing & evaluation of the SPRC Pipe Scan Sonar

ALBACORE DIMUS NOTES

BOX	FOLDER TITLE
9	DIMUS -- CIRCUIT INFORMATION ALBACORE SHIFT REGISTER SHIFT REGISTER ALBACORE HYDROPHONES BQR2 DIMUS Detector and scanner work
10	DIMUS ALBACORE CIRCUITS Martin Display Albacore, Dimus DIMUS ALBACORE -- MECHANICAL CONSOLE INFO. AURAL SCAN SCANNER INFO. DETECTORS
11	SIMULATOR SIMULATOR SPARES LIST COOLING INFO. SEA TESTS Power supply info. DETECTOR & AURAL CABINETRY DIMUS SQS-4 ALBACORE DIMUS SIM. FILM PAT. MPL loose notes, drawings & rams

BOX	FOLDER TITLE
12	ALBACORE DIMUS EXPERIMENTS STABILINE AUTOMATIC VOLTAGE REGULATORS TYPES EMT4104, EMT4104U, & EMT4104UT MPL loose notes, drawings & diagrams Telefax Recorder DIMUS ALBACORE CONSOLE INFO. TEST EQUIPMENT SOUND BOAT (ALBACORE) DIMUS ALBACORE SPARES LISTS M.P. L. FIELD LABORATORY DIMUS ALBACORE -- LAB. TESTS SCANNER INFO. AURAL SCAN
13	BEARING INFO MPL loose notes, drawings & diagrams DIMUS POLAR CIRCUITS SHIFT REFISTERS 'A' 'B' 'C'
14	Dimus V Power Supply Cab. DIMUS ALBACORE COOLING INFO DIMUS BANDPASS PRE-AMP DIMUS ALBACORE -- HYDROPHONES DETECTORS "COMPUTER CONTROL H PAC LOG."

BOX**FOLDER TITLE**

14

"INSTRUMENTATION & PROGRAMMER"

"SEA LAB MEMOS BILLS & GER. DESCRI."

"BENTHIC LAB TELEMETERING"

TAT-1 CABLE DATA

"RUM CABLE"

"ARTEMIS DIMUS"

"WORK SUMMARY"

"CAPITOL EQUIP. BUDGET EST."

"CHASSIS TRACK"

"BENTHIC TERMINATION LINE FILTER"

Field Effect Transistors (low noise applications)

Flip Dimus Array

"RUM 11 TELEMETERING"

"HAWAII EXPEDITION"

"ACOUSTIC NAVIGATION SYSTEM"

"ARTEMIS STEP SWITCH PRESSURE CASE ASSEMBLY"

"POINT LOMA MAP"

"DIMUS SHIFT REGISTER PROPOSED 3rd GENERATION"

VIDEO MEMORY

Progress Reports

Transistor Pressure Tests

TARGET TRACKER (DIMUS V)

BOX	FOLDER TITLE
15	<p>SCANNER MANUAL</p> <p>Telefax Recorder</p> <p>Massachusetts Institute of Technology, Computation Book, ALBACORE</p> <p>M.I.T., Computation Book, DIMUS</p> <p>M.I.T., Computation Book, PREAMPLIFIER & CLIPPER AMPLIFIER</p> <p>DIMUS HYDROPHONE VOLUMETRIC ARR. ALBACORE - 569, TO KIMBALL CODE 271-A, 6 EA 8X10 SWF</p> <p>Tape Recorder</p> <p>MPL, 31 black & white 8X10 photographs, Oct. & Dec. 1961</p> <p>OFFICIAL U.S. NAVY PHOTO, 4 black & white 8X10 photographs, USS ALBACORE (AGSS 569) AUXILIARY MACHINERY SPACE NO. 1 ¼ SIZE MOCK-UP, FR. 7-12-DIMUS PROPOSED ARR'GT-LOOKING AFT FROM FR.7.</p> <p>Unidentified notebook</p> <p>DETECTOR MANUAL CAB, VAN COPY</p> <p>SHIFT REGISTER MANUAL</p> <p>PRE AMPLIFIER MANUAL</p> <p>CLIPPER AMPLIFIER MANUAL</p> <p>CLIPPER AMPLIFIER MANUAL</p>
16	<p>Figures, A-BUS, B-BUS,</p> <p>SHIFT REGISTER MANUAL</p> <p>CONTROL CONSOLE MANUAL</p> <p><u>DIMUS SIMULATOR</u> A Preliminary Proposal in Response to Specification No. 1003, MRL Proposal No. P-811, 5 July 1961, Magnavox Research Laboratories for MPL</p>

BOX**FOLDER TITLE**

16

MPL loose drawings & diagrams

Misc. scratch

SCANNER (general)

GENERAL DESCRIPTION (RECORDER NORMALIZER)

Binary counter (Recorder normalizer)

Logic Tree (Recorder Normalizer)

Clock Oscillator

Slave Clock Driver

Maine Clock Driver

Clock Drivers

Failure Indicators & Emitter Followers

Boxcar Maker (Console Sec)

HIGH SPEED SWITCH FOR MARTIN (SCANNER) Console Sec

Console

ORIGINAL DRAWINGS

ONE SHOT (SCANNER)

STERN BLANKING (SCANNER)

BINARY COUNTER (SCANNER)

DESCRIPTION (SCANNER)

LOGIC TREE (SCANNER)

SQUARER (SCANNER)

READ & STORE (SCANNER)

BOX	FOLDER TITLE
16	<p>CLOCK OSCILLATOR (SCANNER)</p> <p>Shift Register Delay Lines</p> <p>Hydrophones</p> <p>BISTABLE MULTIVIBRATOR (SCANNER)</p> <p>Unidentified folder</p> <p>ALBACORE DIMUS EXPERIMENTS</p>
17	<p>AI075A PREAMPLIFIER AND CLIPPER WIRING - DIMUS #5</p> <p>DIMUS BQR - 2 CIRCUITS</p> <p>TARGET TRACKER (ALBACORE)</p> <p>Unidentified folder</p> <p>POWER SUPPLY MANUAL</p> <p>POWER SUPPLY MANUAL</p> <p>DIMUS III BQR - 2 POWER SUPPLY</p>
18	<p>DIMUS/ALBACORE Display System Logic Diagrams, Confidential</p> <p>Unclassified, 12-21-64 MR., ONR:466:JBD:ml.</p> <p>NELSON PHOTO 218</p> <p>DIMUS/ALBACORE Display System Logic Diagrams, Confidential to Unclassified, 12-21-64 MR., ONR:466:JBD:ml. ltr 12-18-64</p> <p>Unidentified hard bound notebook</p> <p>MEDIA: DATA SHEETS E-C HYDROPHONES</p> <p style="padding-left: 40px;">DATA REMACO HYDROPHONES</p> <p style="padding-left: 40px;">ORIG. NEG. REEL #1 & 3, 3-6-61 to 3-8-61 NELSON PHOTO, 809-205</p> <p style="padding-left: 40px;">APPROX: 105 ft.</p>

BOX**FOLDER TITLE**

18 MEDIA: PRINT ORIGINAL, REEL #4, NELSON PHOTO, R809-218, 35mm, safety film

ORIG. NEG. REEL #4, NELSON PHOTO, R809-218, APPROX: 95 ft.

FILM, 400 rolls, FINE GRAIN POSITIVE

PRINT FROM ORIG. REEL, NELSON PHOTO, 809-205, 35mm, safety film

DUPE NEG. NELSON PHOTO 205 c/o Art L., Spare Parts, EDIZIONE INGLESE

DUPE NEG. NELSON PHOTO 218

Kodak Eastman Fine Grain Release, Positive Safety Film, 35mm 304.80 meters, 3863

Eastman Fine Grain, Release Positive Safety Film, 1 roll 35mm 1000 ft., 3863

Eastman Plus-X Panchromatic Negative Safety Film, Reel #1, USS CHARR 1-3-61 - 1-4-61, 35mm, 400 ft., G.L. Denny" MPL Bldg. 105

Eastman Tri-X Panchromatic Negative Safety Film, Reel #2, 35mm 3-8-61

POSITIVE REEL #2, 9-5-57 NOISE

FINE GRAIN POSITIVE, 100 feet

FINE GRAIN POSITIVE, 100 feet

10-3-60, ROMPREI, REEL #7

EASTMAN NEGATIVE Picture Safety Film, 35mm, 1000 ft., DESERT 1-20-1950, NIGHT 8:00 pm

Eastman Film, 400' rolls, FINE GRAIN POSITIVE

FINE GRAIN POSITIVE, 100 feet

FINE GRAIN POSITIVE, 100 feet

FINE GRAIN POSITIVE, 100 feet

RUN 5, 7 thru 23

BOX	FOLDER TITLE
19	POWER SUPPLY MANUAL, MASTER COPY. DO NOT CHANGE OR REMOVE WITHOUT NOTIFICATION OF R. RAMEY DATA LOG SHEETS #400 #401 #402 #403
20	#404
21	Unidentified loose papers on statistical print outs
22	3 cumulative statistical print outs identifying Job Orders/Operation, Operator, Insp., Date, June- October 1961
23	2 cumulative statistical print outs identifying Job Orders/Operation, Operator, Insp., Date, May-October 1961
24	Unidentified loose papers on statistical print outs
25	MPL Antisubmarine Warfare Prediction Services, 31 October 1972 RECORD TENSION LOG, JUNE-JULY '72, SEPT-OCT '74 SYNOPSIS REPORT TM Analog Tape Recording of Church Anchor Exercise SUS Data Taken aboard R/P FLIP 1/3 Oct Tape Directories, 19-20 Sept. ANALOG TAPE INVENTORY CALIBRATIONS SEPT. 73 PHOTOS & DRAWINGS Horizontal Coherence - Final Drawings Vertical Coherence - Final Drawing

BOX**FOLDER TITLE**

25

RELATIVE. CALIB (POWERX) (2334m); 06-SEPT, 04: 26: 59, 15: 36: 56 ; 09-SEPT, 07:53:05, 19:22:51

CALIBRATIONS COMPARISONS POWERX PWR1HZ

COMPARISON BETWEEN PWR1HZ to POWERX 06 SEPT 04:32 (2334m)

NOISE DAYS 2,3,4,5 FINAL DRAWINGS (COPIES)

NOISE DAY 2,3,4,5 SPL vs. DEPTH FINAL DRAWINGS

Unidentified charts and statistical data

NOISE DAY 5 (FV 27) 19 SEPT, PWR1HZ H08

1/3 Oct. data NOISE DAYS, Copies of data sent & 23, 36, 100, 200 HZ data or 1st 3 noise days

NOISE DAY 4,5 1/3 Oct plots & LP Dumps plus graphs

26

NOISE DAY #5 1/30 DATA

NOISE DAY 5 (EV 27) 19 SEPT, PWR1HZ, HOI

NOISE DAY #5 WATERFALL

NOISE DAY 4

2 unidentified folders

Unidentified charts & graphs

NOISE DAY #4 WATERFALL

NOISE 1/3 OCT VS DEPTH MEASUREMENT PERIODS: 3 SEP 73 "A", 5 & 6 SEP 73 "C", 8 & 9 SEP "E"

MP"E" PLT1HZ 9 SEP 73, H01, H07, H14, H20

MP"B" PLT1HZ 5 & 6 SEP 73 H01, H07, H13, H14, H20

NOISE DAY 1 POWERX AT 3666m, 4730m, 4192m

BOX	FOLDER TITLE
26	MP"A" PLT1HZ 3 SEP 73, H01, H07, H13, H20 NOISE 9HZ, 17/18 & 19/20 SEP '73 NOISE COHERENCE VS. DEPTH NOISE DAYS 2, 3 NOISE DAYS 2, 3 COHER vs. D/ SECOND CW CALIBRATION (CAL CHECK) CWI04 CALIB CWALL CALIBRATION MPL Notes 29 HZ, 23 HZ, 36 HZ, CW Plots. DEC 73 29 HZ CW RECE. PWR. SIN GRAPHS
27	CW - PROPAGATION 20/1800 - 21/0800 HORIZ COHER DATA (copies) ALL KNOWN PLOTS HORZ COHER 3 & 4 SEP 7338HZ & 100HZ CW 104 HZ, HORTZ. COHER. & D/ Plot, 6 & 7 SEP HORZ COHERENCE 38HZ, 29HZ, 6 & 7 SEP 73 38 HZ SOURCE MS 31, 15 SEP 73 DEPTH CYCLED Vert. PWR. 03/1700 to 04/800 CW VERTICAL COHERENCE 03/1700 - 04/0800 Vert. 03/1700 to 04/800, Coherence 18 & 100 HZ EVENT 07 CW CW. 99.90 HZ 04/2310 to 05/1332 VERT. VERT COHER DATA ALLUM. of D/ plots (copies)

BOX	FOLDER TITLE
27	<p>Tables & Instructions VERT COE.</p> <p>38HZ Vert. 07/0300 to 07/1600</p> <p>CW 104 VERT 06/20:00 to 07/1500</p> <p>CW 104 VERT COHER. 04/2200 - 05/1500</p>
28	<p>CW 104 VERT 08/0330 to 08/2200</p> <p>BA04, 5-SEP-74, 104HZ CW</p> <p>BA05 V & H, 7 SEP 73, 104HZ CW</p> <p>BA06 , 8-SEP-73, 104HZ CW</p> <p>EVENT 26 CW new ranges, ex-run Task 4.1-1</p> <p>EVENT 23 CW K-R Radial Task 4.1-12 'new ranges</p> <p>EVENT 10 CW new ranges</p> <p>EVENT 13 CW new ranges</p> <p>EVENT 08 CW constant range</p> <p>EVENT 09 CW HORZ & VERT, new ranges</p> <p>EVENT 07 CW VERT & HORZ. 4-SEP-73 new ranges</p> <p>MISC DATA FROM AUG'73 CHURCH ANCHOR TRIP (skip) collected on my bench in the last 9 months.</p> <p>Unidentified folder</p> <p>CAPER MISC</p> <p>NUC-CAPER</p> <p>HIG-CAPER</p> <p>CAPER PWR113 CALIB</p>

BOX	FOLDER TITLE
28	CAPER PWR1HZ CALIB CAPER POWERX CALIB CAPER CWALLX CALIB CAPER AT-SEA NOISE PLOTS NOISE (PLT1HZ) 22-25 AUG 74, PHASE 1 & 2 All times, H01 CAPER PHASE 1 & 2 All times, H06 CAPER PHASE I & 2, HI5 CAPER PHASE 1 & 2All times, H16
29	CAPER PHASE 1 & 2 All times, H20 CAPER AMBIENT NOISE PLT100 0-100HZ PHASE I & II, caper H01 CHEVRON LONDON H15 CAPER NOISE, 0-100HZ 23 AUG 0600 - 24 AUG 0500 H16 CAPER NOISE, 0-100HZ 23 AUG 0600 - 24 AUG 0500 H20 CAPER NOISE, 0-100HZ 23 AUG 0600 - 24 AUG 0500 CAPER 1/3 OCT NOISE PHASE 2 CAPER WIND SPEEDS AUG 74 NOISE COHER. VS D/, AUG 74 preliminary samples CAPER NOISE D/ plots CAPER NOISE COHERENCE CAPER 1/3 OCT. FINALS 2 nd PHASE CAPER 1/3 OCT. FINALS 1 st PHASE CAPER 1/3 OCT NOISE PHASE 1, DEPTH VS. SP.L. using base lines

BOX**FOLDER TITLE**

29 WF1HL PLOTS including FINALS H01, 05, 06, 10, 11, 15, 16, PHASE II CAPER

WF1RL FINALS PRI, R16, 15, 11, 10, 6, 5, & 1 CAPER

CW Waterfall Plots

CAPER TRKA, PL

S/N

SIG COH.

NL

NO COH.

MISC

CAPER

CAPER TRACK, B P.L.

30

B S/N

B N.L.

B SIG. COH.

B NOI. COH.

C.P.I.

C S/N

C N.L.

C SIG COH.

C NOISE COH.

D P.L.

D S/N

BOX

FOLDER TITLE

30

CAPER TRACK, D N.L.

D SIG. COH.

D NOI. COH.

E P.L.

E S/N

E N.L.

E SIG. COH.

E NOI. COH.

F P.L.

F S/N

F N.L.

F SIG COH

F NOISE COH.

F MISC.

13 unidentified folders

CAPER

CAPER

CAPER PRESSURE XDUCER 30 AUG'74 1500 to 0500, 31 AUG '74, print outs

104 HZ CW NARRQW BAND ANAIYSIS, 25-AUG-74. 18:20:00. Print outs.

31

FREQUENCY (HZ) GRAPHS, HYD, TIME, TILT, GAIN, BASE CAL

CAPER 9HZ COHERENCE

Unidentified folder

BOX**FOLDER TITLE**

31

60 FT SHOT ANALYSIS

UNDERWATER SYSTEMS, DRAFT COPY, ESTIMATED ACCURACY FOR ACOUSTIC

DATA FROM R/P FLIP - CHURCH ANCHOR, 3-12-74, G. MORRIS

UNDERWATER SYSTEMS, SUS QUALITY ASSESSMENT, 10-10-75, G. MORRIS

THE UNIVERSITY OF TEXAS AT AUSTIN, APPLIED RESEARCH
LABORATORIES 6 May 1975HUDSON LABORATORIES OF COLUMBIA UNIVERSITY, SHOT SOURCE
SPECTRA AND BOTTOM REFLECTIVITY DATA by Wilton A. Hardy, 8/19/69

SHOT PROCESSING (ARL TECH.)

Unidentified folder

SONODIVER COMPARISONS SEPT - OCT '72

SEPT-OCT 72 "AVERAGED" NOISE SPECTRA (NOON-MIDNIGHT
SAMPLES), [AVG. OF LOG]

ORIGINAL WIND SPEED BREAKDOWN H2, H3, H4, H5, H7, H8, H19, H20

09-OCT-72 NOISE DAY C02 = H02, C07 = H05, C12 = H08

32

SHOT NOISE- PWRIHZ COMPARISON (CH. ANL)

SHOT CALIBRATION 7/75

BIRDSALL SMOOTH VS 1/3 OCTAVE

1.8# 60FT SUS SOURCE LEVELS

Sample of Shot Spectra 60', 300', 800'

SHIPPING TRAFFIC NOISE, 9-OCT-72

Unidentified loose charts and graphs

PWR1HZ & SPL vs. Depth @50HZ

BOX	FOLDER TITLE
32	<p>Unidentified folder</p> <p>NOISE PLOTS</p> <p>3 unidentified boxes</p> <p>1 box, SOME SONODIVER</p> <p>1 box, SEPT-OCT NOISE (SONODIVER COMPARISONS S/N 1037), 21 SEPT 11:52:00, 22 SEPT 10:45:00, 23 SEPT 11:43:26</p> <p>PRELIM. ABSORP. WORK,</p> <p>60' SUS ATTENUATION (EDITED DATA) Re 50 HZ</p> <p>Lloyd Mirror @ SHOTS</p>
33	<p>ABSORPTION VIA SUS Re 40 HZ P.L.</p> <p>ABSORPTION VIA SUS Re 1/R Spreading PL</p> <p>CHURCH ANCHOR 1/3 OCT SHOT NOISE during Bent run north of Flip</p> <p>60' SUS PROP LOSS (Final values) MISC</p> <p>60' SUS 2/5/76, SIGNAL TO PREDICTED NOISED 0-1250 NM, 100, 160, 250, 400 1/3-OCTAVES</p> <p>60' SUS 2/5/76 PROP LOSS 0-1250 NM 7 FRE.Q</p> <p>PROP LOSS 60' SUS 2/9/76 0-1750 NM</p> <p>ATTENUATION (PROP LOSS 1150 HZ) 2/9/76, 60' SUS</p> <p>SIGNAL TO PREDICTED NOISE RATIO REL. H21 2/9/76, 60' SUS</p> <p>SIGNAL TO PREDICTED NOISE RATIO 2/9/76, 60' SUS</p> <p>60' SUS (1.8#) P.L.</p> <p>800 FT SUS P.L.</p> <p>Unidentified folder</p>

BOX	FOLDER TITLE
33	<p>BERMUDA ATTEN</p> <p>BERMUDA</p> <p>S/N Ratio CH ANCHOR 60' SHTS</p> <p>NOISE LEV. VS. RNG, CH ANCHOR 60' SHTS</p> <p>Latest Full set Prop loss still has bad points 60' shots</p> <p>PROP LOSS vs. RNG, CH ANCHOR 60'1 SHTS</p>
34L	<p>TUG "RIG PUSHER" SEPT-OCT '72 LRAPP – FLIP OPS. BAJA II</p> <p>DIMUS ALBACORE MATRIX INFO.</p> <p>RIG PUSHER LOGS (1) WEATHER, (2) RADAR, (3) BRIDGE, AUGUST '73</p> <p>R/P FLIP (MPL)</p> <p>AP-5 AREA SPECIAL CHART NO. 1, Compiled by R. Busch, US NAVOCEANO Code 7005, June, 1973</p> <p>AP-5 AREA SPECIAL CHART NO. 2, Compiled by R. Busch, US NAVOCEANO Code 7005, June, 1973</p> <p>TILT METER PHOTOS SEP-'73</p> <p>104 HZ CW NARROW BAND ANALYSIS, 30-JUL-74, 09:12:21, print outs</p> <p>PHASE I 1/3 OCT. Coherence Listing, NOISE COHERENCE, 22-Aug-74 14:31:24</p>