Scripps Institution of Oceanography. Marine Physical Laboratory

SIO Marine Physical Laboratory Reports, 1959-1997

PHYSICAL DESCRIPTION:  7 mss

DESCRIPTION:  Technical memorandum and technical reports from SIO's Marine Physical Laboratory. MPL assigned report numbers to its scientists reprints of publications; those are excluded from this collection, since they are available in the published literature.


Cost Valuation of Tolerances for Acoustic Arrays – Victor C. Anderson - MPL Technical Memorandum 112 – MPL-U-7/60


First Order Correction of Location Errors in a Multiple Beamformer – Victor C. Anderson - MPL Technical Memorandum 125 – MPL-U-23/62


Flip Dimus – Daniel K. Gibson and Gerald L. Denny - MPL Technical Memorandum 133 – MPL-U-12/63


A Photographic Compass Inclinometer – C.G.A. Harrison et. all - MPL Technical Memorandum 149 – MPL-U-56/64

MPL MK III Sampling Phase-Meter – Philbrook Cushing - MPL Technical Memorandum 152 – MPL-U-69/64
Trieste Proton Magnetometer – Matin D. Benson – MPL-U-18/65

Deeply-Towed Echo Sounding West of the Island of Kauai – Michael S. Loughridge - MPL Technical Memorandum 159 – MPL-U-19/65


Defeat on Popocatepetl – Charles E. Corry – MPL-U-60/66


Position Determination Near the Sea Floor – Carl D. Lowenstein – MPL-U-22/67

A Doppler Shift Flowmeter – E.D. Squier – MPL-U-48/67


BOX  REPORT

1 Dicanne II Project Synopsis – Victor C. Anderson - MPL Technical Memorandum 207 – MPL-U-54/69


Navigation by Acoustic Transponders – Carl D. Lowenstein – MPL-U-89/70

Travel-Time Plots for Refraction Stations near Kodiak, Alaska – George G. Shor, Jr. - MPL Technical Memorandum 233 – MPL-U-13/72


Lrapp Beamformer – W. R. Cherry - MPL Technical Memorandum 236 – MPL-U-70/72

Summary of Orb Cruise – H.F. Bezdek – MPL-U-78/72

Sound Velocity Correction Table and Revised Matthews’ Tables-South Tow 6 - Robert Detrick and K. D. Klitgord - MPL Technical Memorandum 240 – MPL-U-92/72


Marine Physical Laboratory Status Report of the ARPA ADA Program (U) – MPL-C-74/73


MPL Calibration Transponder – F. Pavlicek et. al - MPL Technical Memorandum 266 – MPL-U-97/74


Strain: Observations of the Vertical gradient of Isopyncal Vertical Displacement – Robert Pinkel et. al - MPL-U-7/78


Gulf of California IPOD Site Survey – G. F. Moore et. al – MPL-U-36/78

ADA Array Rubber Dome Failure – Dr. Victor C. Anderson and Dan K. Gibson - MPL Technical Memorandum 301 – MPL-U-47/78


ADA Handling and Mooring – Dr. Victor C. Anderson and Dan K. Gibson - MPL Technical Memorandum 304-A – MPL-U-85/78

Nonstationary and Nonuniform Oceanic Background in a High gain Acoustic Array - V. C. Anderson – MPL-U-89/78

A Laboratory Test of the MPL Dynamic Beamformer – V. C. Anderson - MPL Technical Memorandum 309 – MPL-U-16/79

Cruise Report; Mariana Leg 10 – George G. Shor Jr. – SIO Reference 79-8 – MPL-U-26/79


Free Fall Cone Penetrometer – D. K. Gibson - MPL Technical Memorandum 325 – MPL-U-4/81

Briefing for Dr. John O. Dimmock – Deputy Director Technology Programs – MPL-U-62/81


Effect of Ionic Strength and Ion Pairing on Sound Absorption in Aqueous solutions of MgSO4 and NaCl – C. Neuberger et. al – SIO Reference 82-9 – MPL-U-56/78

Marine Physical Laboratory Program in Acoustics and the Ocean Environment – F. N. Spiess and V. C. Anderson – MPL-U-43/82


Observations of the Upper Ocean Using a Multi-Beam Doppler Sonar – Albert James Plueddemann – SIO Reference 87-15 – MPL-U-26/86


Observations of Seafloor Ambient Noise with an Ocean Bottom Seismometer Array – Anthony Edward Schreiner – SIO Reference 89-27 – MPL-U-84/89


Seamount Structure from Seismic Tomography and Gravity Inversion – Philip T. C. Hammer – SIO Reference 92-4 – MPL-U-17/92


Preliminary Analysis of the FLIP Array Data from the NOBS Experiment – M. T. Hagerty et. al - MPL Technical Memorandum 429 – MPL-U-42/92

Shear, Strain and Thermohaline Vertical Shear in the Upper Ocean – Steven Paul Anderson – SIO Reference 93-3 – MPL-U-4/93

UMPE: The University of Miami Parabolic Equation Model Version 1.0 – Kevin B. Smith et.al - MPL Technical Memorandum 432 – MPL-U-27/93


MPL Sound Velocimeter – D. E Boegeman et. al – MPL-U-23/97


Effects of Pressure and Dielectric Constant on Sound Absorption in Magnesium Sulfate Solutions – Frederick H. Fisher – Technical Memorandum No. 46

Active Ballasting of a Freely-Drifting Sensor – Ron Horn et. al - MPL Technical Memorandum 427

The Scientific Research Support Potential of the Submersible MARITALIA 3GST9 – Andreas B. Rechnitzer - MPL Technical Memorandum 420