



Cruise: 7TOW3BWT

Begin date (dd/mm/yyyy): 07/04/1970 End date: 22/04/1970

Data collected (# points): twtt: 4135 tcor: 4135 mtot: 941 manm: 941

File: 7TOW3BWT.gmt

Cruise level information

cruise-id::7TOW3BWT
cruise-name::SEVEN TOW LEG 3B
cruise-narrative:: geophysical survey off Pago Pago
science-themes::Marine Geophysics
scientific-party-equipment::airgun

cruise-start-date::1970-04-07
cruise-start-port::HONOLULU,HAWAII
latitude-start::21.26
longitude-start::202.07841
cruise-end-date::1970-04-22
cruise-end-port::PAGO PAGO,SAMOA
latitude-end::-14.25729
longitude-end::189.4462

latitude-minimum::-14.25730
longitude-minimum::182.42020
latitude-maximum::21.26000
longitude-maximum::202.07841

data-corrected-for-ship-draft::YES
data-corrected-for-tides::NO
data-types::depth_sec magnetic_field magnetic_anomaly seismic_reflection

pi-city-state-zip::Boulder, CO 80305-3328
pi-email::George.F.Sharman@noaa.gov
pi-fax::(303) 497 6513
pi-institution::National Geophysical Data Center, NOAA
pi-name::Smith, Stu M. (retired) - contact Sharman, George F.
pi-phone::(303) 497 6345
pi-street-address::325 Broadway NOAA Mail Code: E/GC3
pi-title::contact Leader, MGG Division

SIO Log weekly reports
Seven Tow Expedition Leg 3B

T. WASHINGTON - 7-Tow Expedition, Leg III. Honolulu/Pago Pago - 4/7 - 4/22/70. Stu Smith, GRD, Scientist-in-Charge. Progress report: Survey of eastern part of large feature at 07N 177W confirms contours on Chase-Menard chart. Transparent layer MP to 0.6 seconds thick containing many faint but continuous reflectors overlies basement. Strongly recommend as drilling site. East-west magnetic anomaly lineations confirmed between 00 and 05N at 175W. Will continue tracing to the east. All equipment working well. Data retrieval and plotting programs operated daily. Changing plotters becoming more necessary as we get closer to real time processing.

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| MGD77 file information | | | |
| 47TOW3BWTMGD77 | 5511320030627 | SCRIPPS INSTITUTION OF OCEANOGRAPHY | 01 |
| USA | R/V THOMAS WASHINGTON | SHIP SMITH S.M., SHARMAN G. | 02 |
| SEVEN TOW LEG 3B | | | 03 |
| 19700407HONOLULU, HAWAII | 19700422 | PAGO PAGO, SAMOA | 04 |
| SATNAV, AUTOLOG GYRO + EMLOG | | LINEAR INTERP. BETWEEN ADJACENT FIXES | 05 |
| 12KHZ/GIFFT RECORDER/WIDE(60DEG) BEAM | | ANALOGUE RECORDS, PUNCHED CARDS | 06 |
| VARIAN MFD PROTON PRECESSION MOD 4970 | | ANAL. RECORDS, CARDS | 07 |
| | | | 08 |
| 40CU. IN. AIRGUN, 10-300HZ, PDR MK 10 REC. | | ANALOGUE RECORDS | 09 |
| A(I1, A8, I3, I4, 3I2, F5.3, F8.5, F9.5, I1, F6.4, F6.1, I2, I1, 3F6.1, I1, F5.1, F6.0, | | | 10 |
| F7.1, F6.1, F5.1, A5, A6, I1) | | | 11 |
| 0501SECONDSWEEP14630005 MINUTE INTERVAL | | | 12 |
| 05006 | 03IGRF 1965 | LIN. INTERP. AT 30DEG C/C OR 500MI ALONG TRACK | 13 |
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