



Cruise: 7TOW05WT

Begin date (dd/mm/yyyy): 16/05/1970 End date: 30/05/1970

Data collected (# points): twtt: 2995 tcor: 2995 mtot: 2376 manm: 2376

File: 7TOW05WT.gmt

Cruise level information

cruise-id::7TOW05WT
cruise-name::SEVEN TOW LEG 5
cruise-narrative::seismic studies Swain Island to Samoa
science-themes::Marine Geophysics
scientific-party-equipment::airgun

cruise-start-date::1970-05-16
cruise-start-port::TONGA,TAPU ISLAND
latitude-start::-20.98659
longitude-start::184.84999
cruise-end-date::1970-05-30
cruise-end-port::APIA,SAMOA
latitude-end::-13.7625
longitude-end::188.25131

latitude-minimum::-20.98660
longitude-minimum::181.47670
latitude-maximum::-11.07290
longitude-maximum::188.89390

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::La Jolla, CA 92093-0220
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pi-fax::
pi-institution::Scripps Institution of Oceanography, UCSD
pi-name::Sclater, John
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SIO Log weekly reports
Seven Tow Expedition Leg 05

T. WASHINGTON - 7-TOW EXPEDITION. Leg V. Dr. John G. Sclater, MPL. Scientist-in-Charge, 5/16-6/1/70. Four successful dredges confirm Karig's prediction of silicic volcanism on margins of Lau Basin and basalts on Intra Basin Ridge. Have made three magnetic, airgun and topographic crossings of Intra Basin Ridge. Six successful heat flow stations and three gravity cores. Also support concept of rifting and young volcanism in Lau Basin. One dry run hydro station completed. Sclater/Hawkins. Next port Apia, Western Samoa 6/1/70.

MGD77 file information			
47TOW05WTMGD77	5511320030626	SCRIPPS INSTITUTION OF OCEANOGRAPHY	01
USA	RV THOMAS WASHINGTON	1SHIP SCLATER J.	02
SEVEN TOW LEG 5			03
19700516TONGA,TAPU ISLAND	19700530	APIA,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
			14
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