



Cruise: 7TOW9AWT

Begin date (dd/mm/yyyy): 22/08/1970 End date: 03/09/1970

Data collected (# points):

File: 7TOW9AWT.gmtd

Cruise level information

cruise-id::7TOW9AWT
cruise-name::SEVEN TOW LEG 9A
cruise-narrative::airgunning and dart coring off the northern California coast
science-themes::Marine Geophysics, Geological Oceanography
scientific-party-equipment::dart core, aigun

cruise-start-date::1970-08-21
cruise-start-port::ASTORIA, OREGON
latitude-start::46.27333
longitude-start::235.59333
cruise-end-date::1970-09-03
cruise-end-port::EUREKA, CALIFORNIA
latitude-end::41.87
longitude-end::234.88

latitude-minimum::41.87000
longitude-minimum::232.81646
latitude-maximum::48.63538
longitude-maximum::235.73838

data-corrected-for-ship-draft::YES
data-corrected-for-tides::NO
data-types::NO_DIGITAL_DATA

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SIO Log weekly reports
Seven Tow Expedition Leg 9A

WASHINGTON - 7-TOW EXPEDITION - Dr. Eli Silver/Dr. Joeseeph R. Curray, GRD, Scientists-in-Charge - 8/21 - 9/14/70. Completed highly successful survey of Washington Margin, covering 3500 KM with reflection and magnetics. Continental slope is a series of imbricate west-dipping thrust slices of Cascadia Basin sediment. Few east-dipping thrusts on slope. Two prominent plateau levels between shelf and basin. Deeper plateau is underlain by younger folded strata. Tenant's airgun a nine-day wonder and going strong. Records, navigation and weather excellent.

WASHINGTON - 7-TOW EXPEDITION - Leg IX - Dr. Eli Silver/Dr. Joseph R. Curray, GRD. Scientists-in-Charge - 8/21-9/14/70. 261755Z Report: Completed over 1200 km of excellent reflection profiles on southern half of Washington margin. Cascadia Basin sediment folded on outer slope. Clearly traced reflectors from basin to slope giving relative timing of folding. Age of folding increases up slope. Seven cores on outer ridges, including one dart. Used Crampton extruder. Magnetic anomalies clearly traced well under the slope. Air guns and all equipment functioning very well. Students are all excellent workers. Barth is a superb air gun tech. Navigation and weather very good. A delightful cruise. Normark bring free fall batteries if core use desired. (Silver).

MGD77 file information				01
47TOW08WTMGD77	3511120030627	SCRIPPS INSTITUTION OF OCEANOGRAPHY		02
USA	R/V THOMAS WASHINGTON	SHIP ELI SILVER		03
SEVEN TOW LEG 9A				04
19700821	ASTORIA, OREGON	19700903	EUREKA, CALIFORNIA	05
SATNAV, AUTOLOG GYRO + EMLOG		LINEAR INTERP. BETWEEN ADJACENT FIXES		06
12KHZ/GIFFT RECORDER/WIDE(60DEG)BEAM		ANALOGUE RECORDS		07
VARIAN MFD PROTON PRECESSION MOD 4970		ANAL.RECORDS, CARDS		08
				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
0001SECONDSWEEP1463000				12
05006	03IGRF 1965	LIN.INTERP.AT 30DEG C/C OR 500MI ALONG TRACK		13
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