

TASADAY EXPEDITION

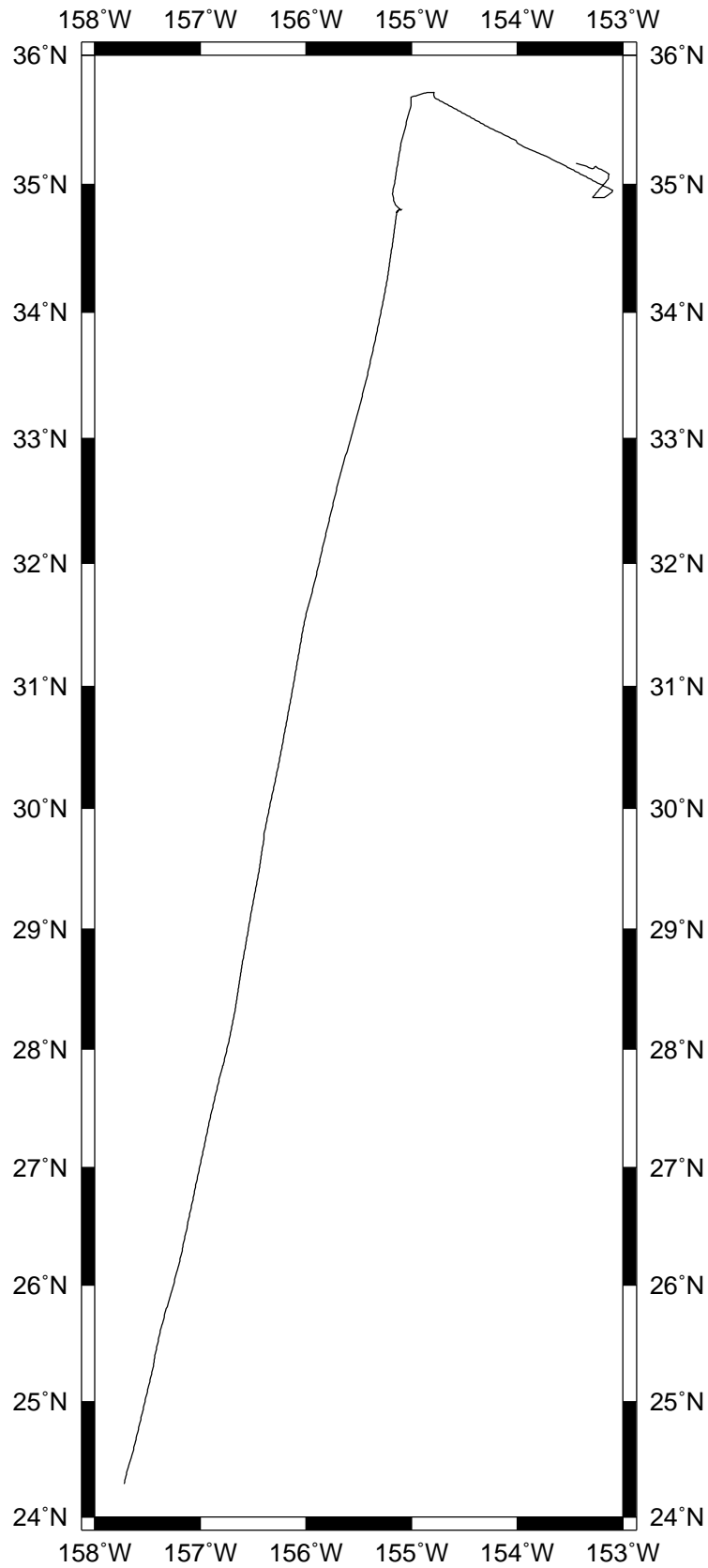
Leg 9

R/V T. Washington
 CHIEF SCIENTIST - Robert A. Knox
 Pearl Harbor, Hawaii - Pearl Harbor, Hawaii
 (22 Jan. 1974 - 17 Feb. 1974)

TOTAL MILEAGE

- 1) Cruise - 4975 miles
- 2) Magnetics - 357 miles
- 3) Bathymetry - 410 miles
- 4) Seismic Reflection - none collected

note- navigation has been plotted only for the section for
 which there is magnetic and depth data



Cruise: TSDY09WT

Begin date (dd/mm/yyyy): 14/02/1974 End date: 17/02/1974

Data collected (# points): twtt: 394 tcor: 874 mtot: 352 manm: 352

File: TSDY09WT.gmtd

Cruise level information

cruise-id::TSDY09WT
cruise-name::TASADAY LEG 9
cruise-narrative::
science-themes::Marine Geophysics
scientific-party-equipment::

cruise-start-date::1974-01-22
cruise-start-port::HONOLULU
latitude-start::35.1649
longitude-start::206.5568
cruise-end-date::1974-02-17
cruise-end-port::HONOLULU
latitude-end::24.2864
longitude-end::202.2784

latitude-minimum::24.28640
longitude-minimum::202.27840
latitude-maximum::35.71470
longitude-maximum::206.90620

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

pi-city-state-zip::La Jolla, CA 92093-0210
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SIO Log weekly reports
Tasaday Expedition Leg 09

Thomas Washington Tasaday Expedition 152101Z Feb 74. Departed Pearl Harbor 21 Jan. Arrived 35N 155W 26th, and released Monster Buoy Alpha. Twelve Cox/Lucas drogues in on 27th. Twelve more plus 6 Kirwan/McNally remote-tracked drifters in on 28th. XBT and STD lines to 100 KM from FLIP since then. Eighty-seven 500m STDs and 190 XBTs. Twice daily radiosondes. Studies of heat exchange in storms thwarted by near perfect weather. Knox

Thomas Washington Tasaday Expedition 121835Z Feb 74. Continuing 100 KM lines of STD-XBT work with FLIP at center. Still have had no storm and hence no vigorous mixing of surface waters. Lateral variations quite strong. Sea surface temperature and salinity change by 2 degrees centigrade and 0.3 parts per mille respectively across the region. Depth of mixed layer anywhere between 0 and about 80 meters. Cox 30 meter drogues positioned 3 times by aircraft and some additional fixes have been obtained from ship. Resulting pattern of drift is complex but not completely random; groups of 3 or 4 adjacent buoys show similar tracks. Knox.

MGD77 file information			
4TSDY09WTMGD77	5511120030722	SCRIPPS INSTITUTION OF OCEANOGRAPHY	01
USA	R/V THOMAS WASHINGTON	SHIP KNOX R.A.	02
TASADAY LEG 9			03
19740122HONOLULU		19740217HONOLULU	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
			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.POINTS WITHIN ONE DEGREE SQUARE	13
			14
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