

M68 15040059  
TASADAY EXPEDITION

LEG 7

R/V T. WASHINGTON

INFORMAL REPORT AND INDEX OF  
NAVIGATION, DEPTH, MAGNETIC AND SUBBOTTOM PROFILER DATA

Singapore (27 November 1973)

to

Apra, Guam (21 December 1973)

Chief Scientist, Leg 7 - H. Bezdek

Computer Tech - J. L. Abbott

Resident Marine Tech - W. Keith

Post-Cruise Processing by - S. M. Smith, U. Albright, O. McConnell

Prepared by

Underway Data Processing Group

S.I.O. Geological Data Center

Scripps Institution of Oceanography

La Jolla, California

15 February 1974

Preliminary Report and Index of Navigation, Depth, Magnetic and Subbottom Profiler Data

Contents:

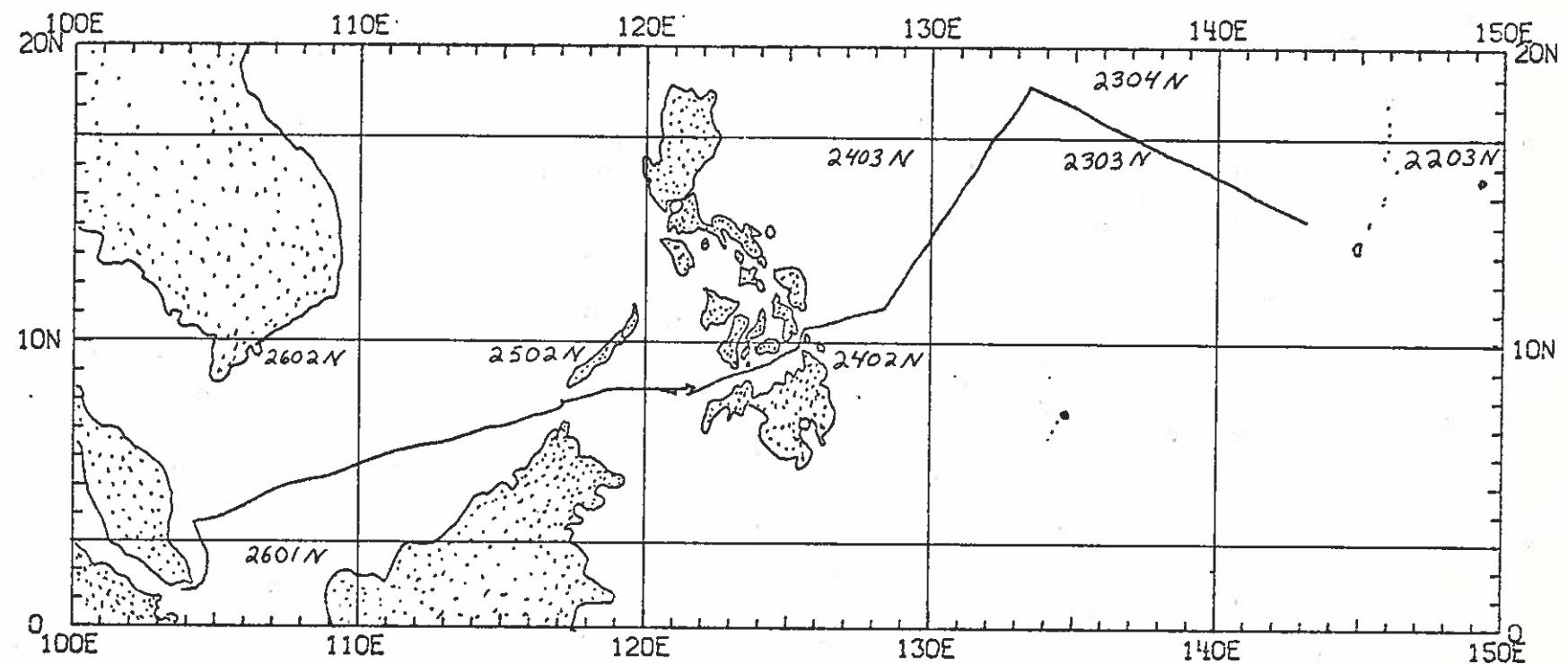
Index Chart - gives track of cruise leg and boundaries of depth compilation plots (see below).

Track Charts - annotated with dates (day/month) and hour ticks. The scale (.3"/deg. long) is the same as the index charts of previous SIO cruises published as Report IMR TR-25.

Profiles - Depth and magnetic anomaly vs. distance. Dates (day/month) and positions of major course changes (greater than 30 degrees) are annotated. Sections of track having subbottom profiler (airgun) records have a solid black line along the bottom of the profile.

For information on the availability and reproduction costs of data in the following forms contact T. E. Chase, Curator, Geological Data Center, Scripps Institution of Oceanography La Jolla, California 92037 (714-453-2000, Ext. 1534):

1. Navigation listing of times and positions of course and speed changes, fixes and drift velocity.
2. Depth compilation plots - in fathoms (assumed sound velocity of 800 fm./sec.) at approximately 1 mile spacing, plotted at 4" degree with standard U.S. Navy Oceanographic Office BC series boundaries (see index chart).
3. Plots of magnetic anomaly profiles along track-map scale = 1.2"/degree; anomaly scale between 15°N and 15°S latitude = 500 gamma/inch; anomaly scale north of 15°N and south of 15°S = 1000 gamma/inch) from values retrieved at approximately 1 mile spacing and regional field removed using the 1965 IGRF.
4. Card Decks of navigation, depth and magnetics (for specific formats, contact S. M. Smith, Geological Data Center).
5. S.I.O. Sample Index - list of beginning and end times and positions of all underway records as well as all other samples (geology, biology, physical oceanography, etc.) collected on the cruise leg.
6. Microfilm or Xerox copies of:
  - a. Echosounder records - 12 and 3.5 kHz frequency
  - b. Subbottom profiler records (airgun)
  - c. Magnetometer records
  - d. Underway Data Log



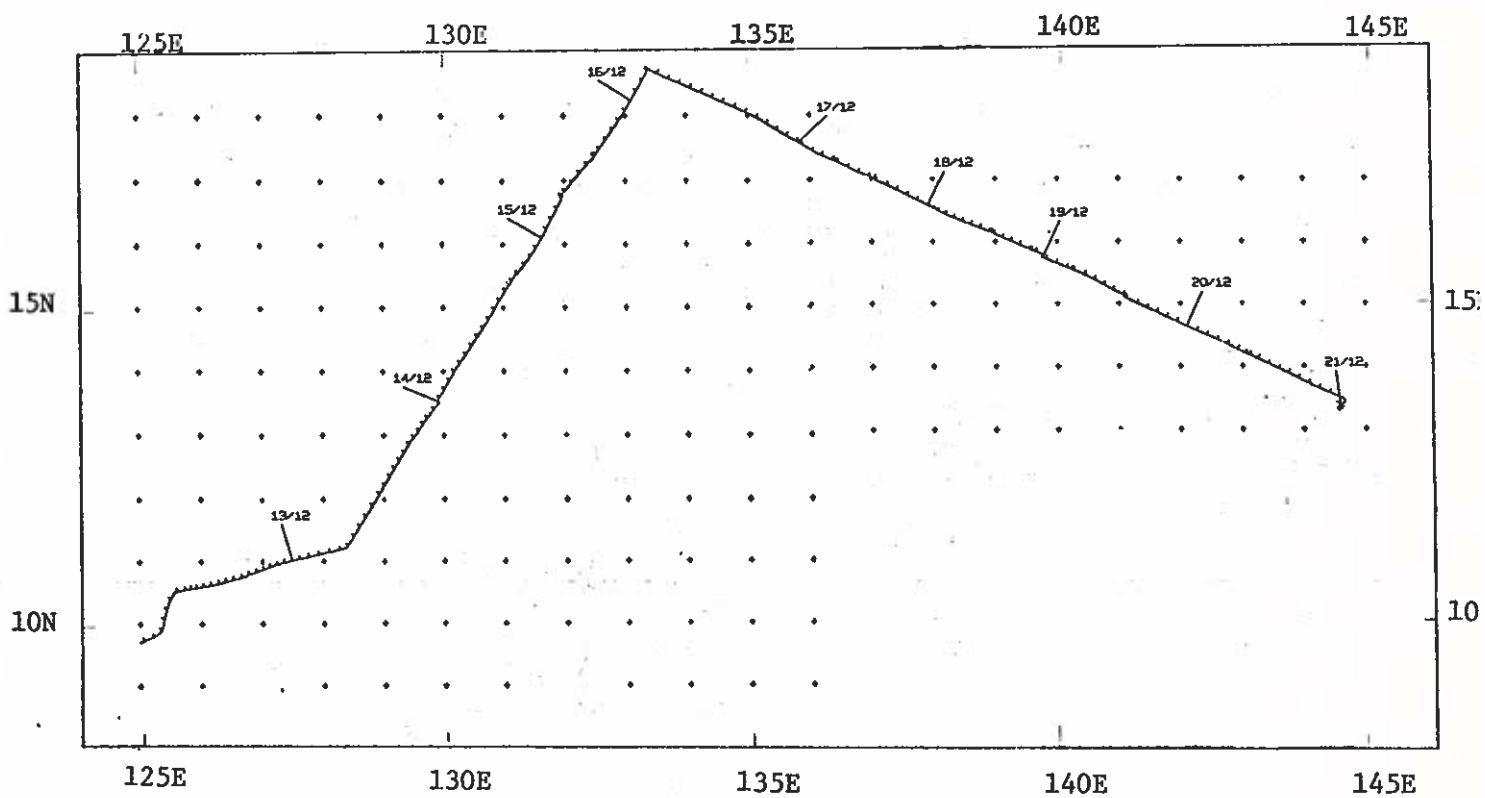
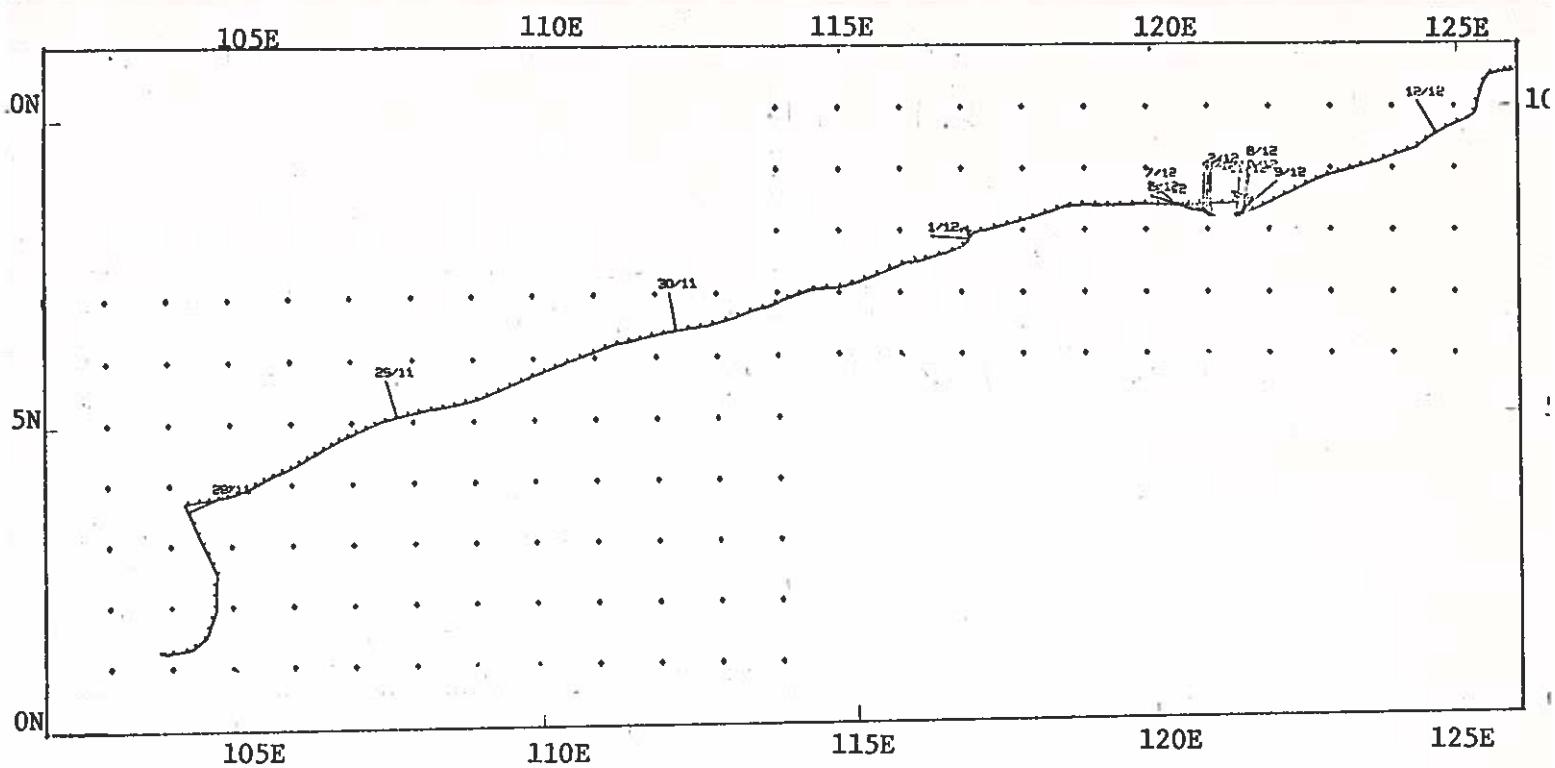
TASADAY EXPEDITION

LEG 7

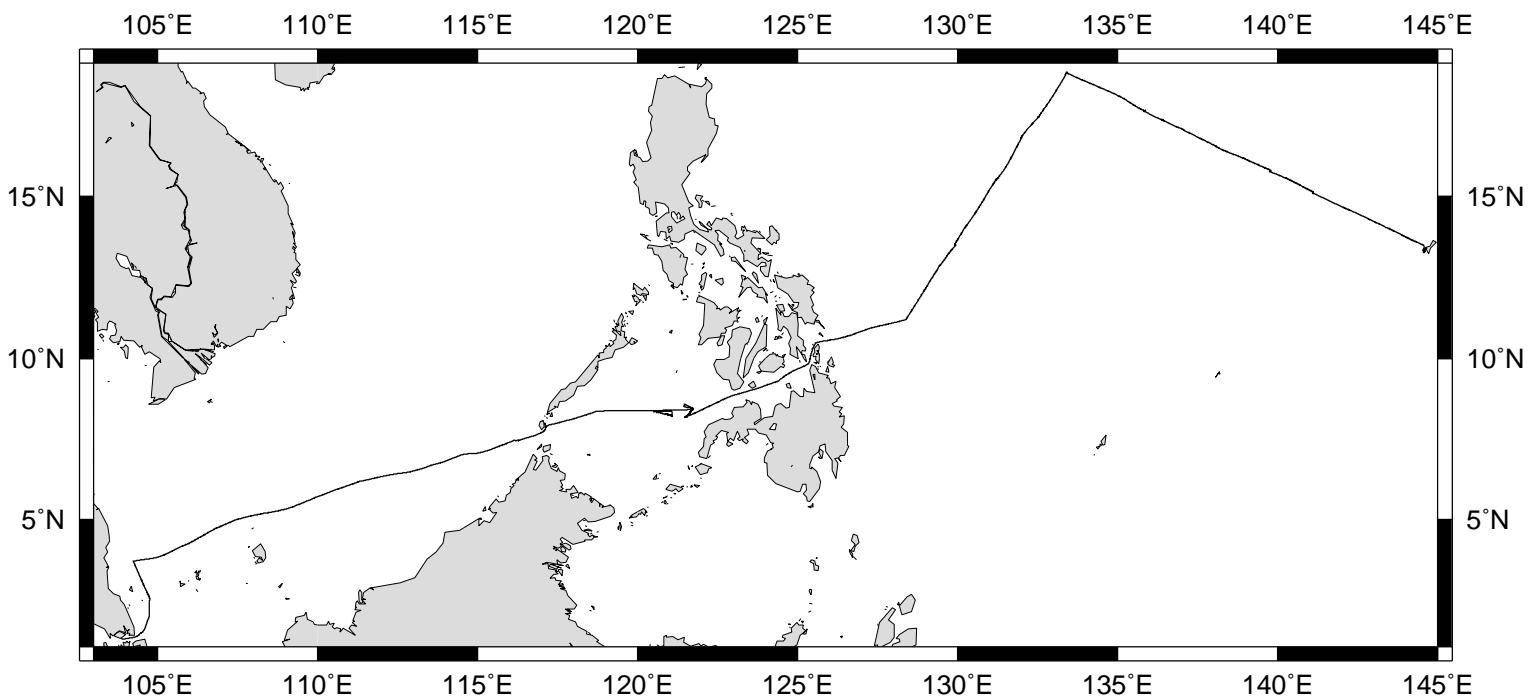
R/V T.WASHINGTON  
 CHIEF SCIENTIST - H.BEZDEK  
 Singapore - Guam (27 Nov. 1973 - 21 Dec. 1973)

TOTAL MILEAGE

- 1) Cruise - 3371 miles
- 2) Magnetics - 2791 miles
- 3) Bathymetry - 2911 miles
- 4) Seismic Reflection - 1746 miles



TASADAY LEG 7 TRACK PLOT



### Cruise: TSDY07WT

Begin date (dd/mm/yyyy): 27/11/1973 End date: 21/12/1973

Data collected (# points): twtt: 3416 tcor: 3416 mtot: 3182 manm: 3182

File: TSDY07WT.gmtd

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Cruise level information  
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cruise-id::TSDY07WT

cruise-name::TASADAY LEG 7

cruise-narrative::The previous leg and this one extending from Singapore to Rangoon, and Rangoon to Djakarta, are for the purpose of geological and geophysical evaluation of the Andaman Sea, Bay of Bengal, and southwest side of Sumatra.

science-themes::Geological Oceanography, Marine Geophysics

scientific-party-equipment::2 METER HEAT PROBE, GRAVITY CORE, AIRGUN

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cruise-start-date::1973-11-27

cruise-start-port::SINGAPORE

latitude-start::1.2699

longitude-start::103.86

cruise-end-date::1973-12-21

cruise-end-port::APRA, GUAM

latitude-end::13.43

longitude-end::144.65849

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latitude-minimum::1.23850

longitude-minimum::103.86000

latitude-maximum::18.73520

longitude-maximum::144.66589

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data-corrected-for-ship-draft::YES

data-corrected-for-tides::NO

data-types::depth\_sec magnetic\_field magnetic\_anomaly subbottom\_3.5 seismic\_reflection

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pi-institution::Atlantic Oceanographic and Meteorological Laboratory, National Oceanographic and Atmospheric Administration

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pi-phone::305-361-4300

pi-street-address::4301 Rickebacker Causeway

pi-title::Director

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SIO Log weekly reports  
Tasaday Expedition Leg 07

Thomas Washington; 050700Z Dec 73. Have successfully completed survey requested north east of Singapore. Obtained good air gun, bottom profile and magnetic records. Have taken one full gravity core and finished one heat flow station at 0817 N 12057 east. Results were not unusual. Work at first acoustic station is 40% completed and is proceeding. Quality of data obtained so far is good. Bezdek

MGD77 file information

4TSDY07WTMD77	5533320030711SCRIPPS INSTITUTION OF OCEANOGRAPHY	01
USA	R/V THOMAS WASHINGTON1SHIP BEZDEK H.	02
TASADAY LEG 7		03
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SATNAV,AUTOLOG GYRO + EMLOG	LINEAR INTERP.BETWEEN ADJACENT FIXES	05
3.5-12KHZ/GIFFT RECORDERS/WIDE BEAM	ANALOGUE RECORDS,PUNCHED CARDS	06
VARIAN MFD PROTON PRECESSION MOD 4970	ANAL.RECORDS,CARDS	07
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20TO300CU.IN.AIRGUN,10-300HZ,EDO PSR RECANAL.RECORDS,35MM MICROFILM		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, F7.1,F6.1,F5.1,A5,A6,I1)		10
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