



THE UNIVERSITY OF TEXAS

MARINE SCIENCE INSTITUTE
GEOPHYSICS LABORATORY
GALVESTON, TEXAS 77550

700 The Strand
713 765-2173

22 September 1978

RESEARCH CRUISE REPORT FOR LEGS IG29-1, IG29-4, AND IG29-5

SHIP NAME:

Ida Green

OPERATING INSTITUTION:

The University of Texas
Marine Science Institute

CLEARANCE COUNTRIES:

Panama
Costa Rica

DATES:

IG29-1:	15 May	- 30 May
	31 May	- 07 June
IG29-4:	25 July	- 07 August
IG29-5:	08 August	- 13 August

PROJECT TITLE:

Geophysical Investigation of
Caribbean Tectonics

PORT CALLS:

Limon, Costa Rica:	31 May	- 02 June
Panama City, Panama:	07 June	- 08 June
	23 July	- 24 July
Puerto Cortes, Honduras:	07 August	- 08 August

FOREIGN PARTICIPANT:

Luis Sanchez-Barreda
The University of Texas at Austin
(Present address: See letterhead.)

CHIEF SCIENTISTS:

Dr. John W. Ladd - IG29-1
Dr. Mark H. Houston - IG29-4, IG29-5

DESCRIPTION OF SCIENTIFIC PROGRAM:

The general scientific program cruise IG29 of the R/V *Ida Green* was directed toward geophysical and geological investigations of the Caribbean and a continuation of similar investigations of the Middle America Trench. Delineation of detailed geologic structure of these areas is vital to our understanding of the tectonic history of these areas in the light of plate tectonics. The specific scientific programs for tracks IG29-1, IG29-4, and IG29-5 are shown in Figures 1 through 4. Over all tracks continuous measurements of bathymetry and magnetics were recorded. Over most of the track multichannel seismic profiles were also recorded. In addition several refraction sonobuoy measurements were made at various positions on the track. On IG29-4 and IG29-5 we had a foreign scientist, Luis Sanchez-Barreda, who is a Mexican national in the Ph.D. program at The University of Texas at Austin.

OBSERVATIONS AND SAMPLES:

Bathymetric, magnetic, and deep penetration seismic data collected simultaneously along entire track (see accompanying Figures 1 through 4).
Location of data: See letterhead above.

KEY CONTACTS:

IG29-1: Dr. John W. Ladd;
IG29-4 and IG29-5: Dr. Mark Houston, both at letterhead address.

IG29-1 NAVIGATION/OP FROM 15 MAY 1978
22.00 TO 30 MAY 1978

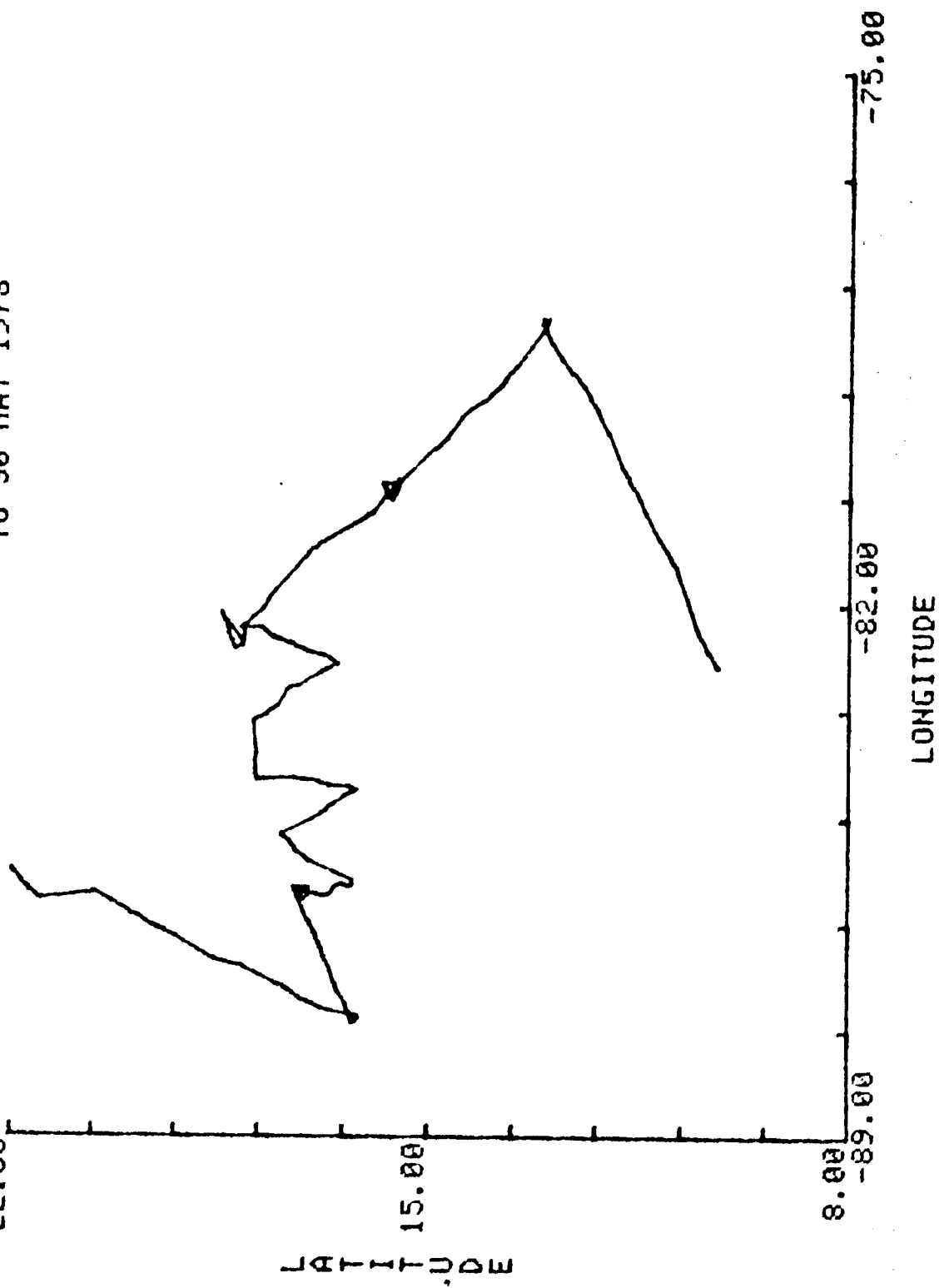


Fig. 1. Yucatan Channel to Limon, C.R.

IG29-1 NAVIGATION/OP FROM 31 MAY 1978
22.00 TO 7 JUN 1978

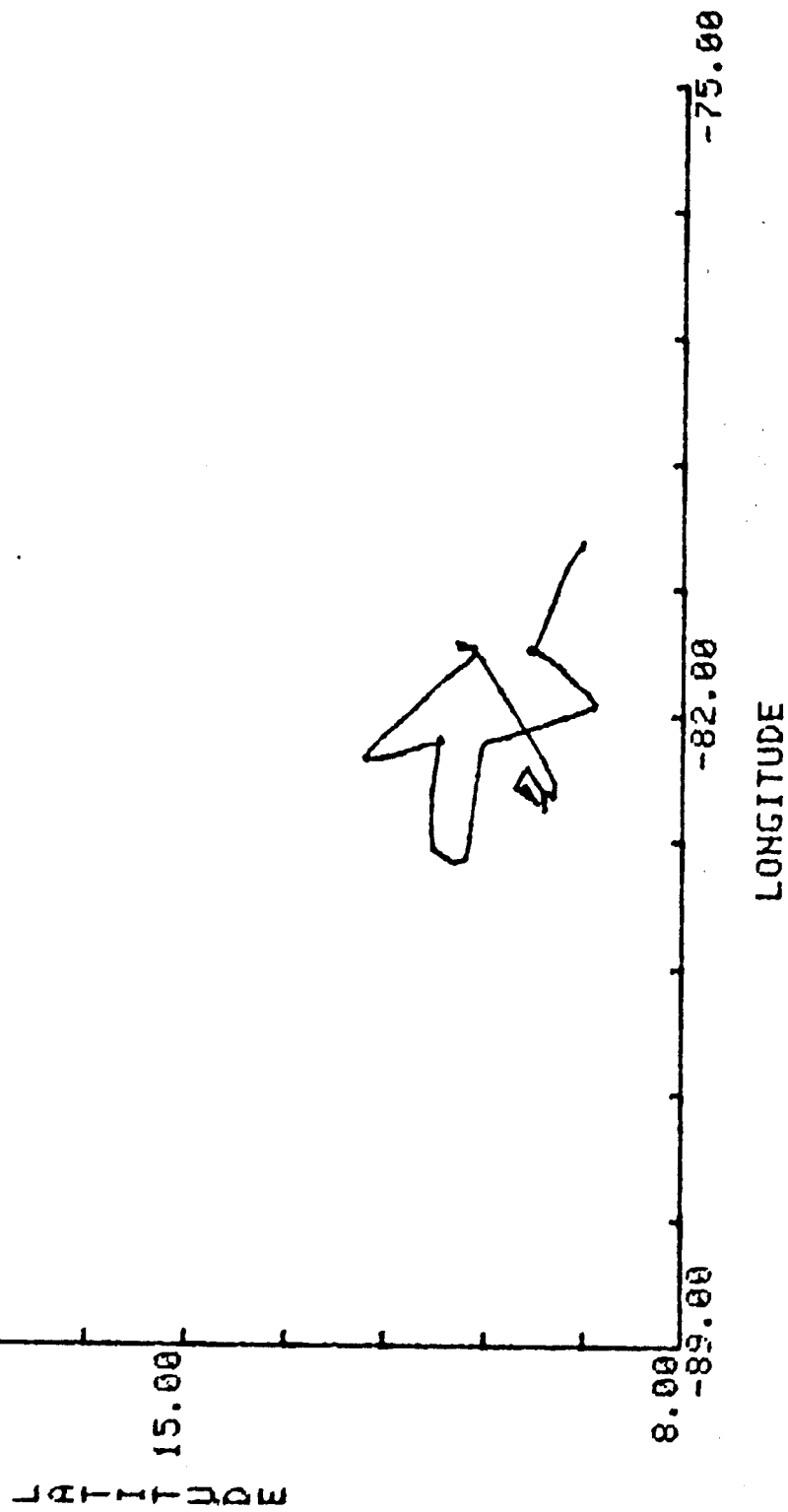


Fig. 2. Limon, C.R., to Panama Canal.

IG29-4 NAVIGATION/OF FROM 25 JUL 1978
22.00 TO 7 AUG 1978

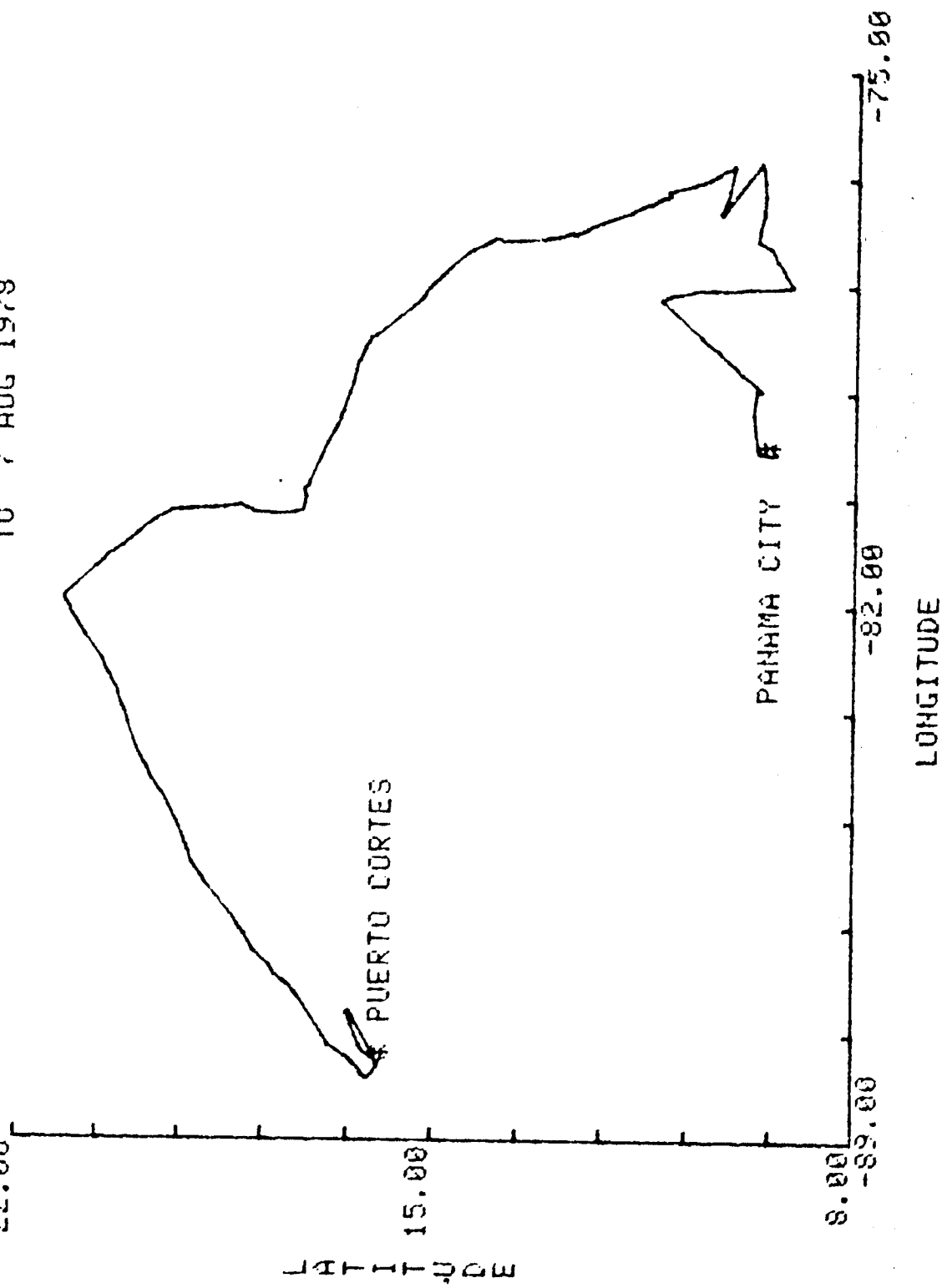


Fig. 3. Panama Canal to Puerto Cortes, Honduras.

IG29-5 NAVIGATION/OP FROM 8 AUG 1978
22.00 TO 13 AUG 1978

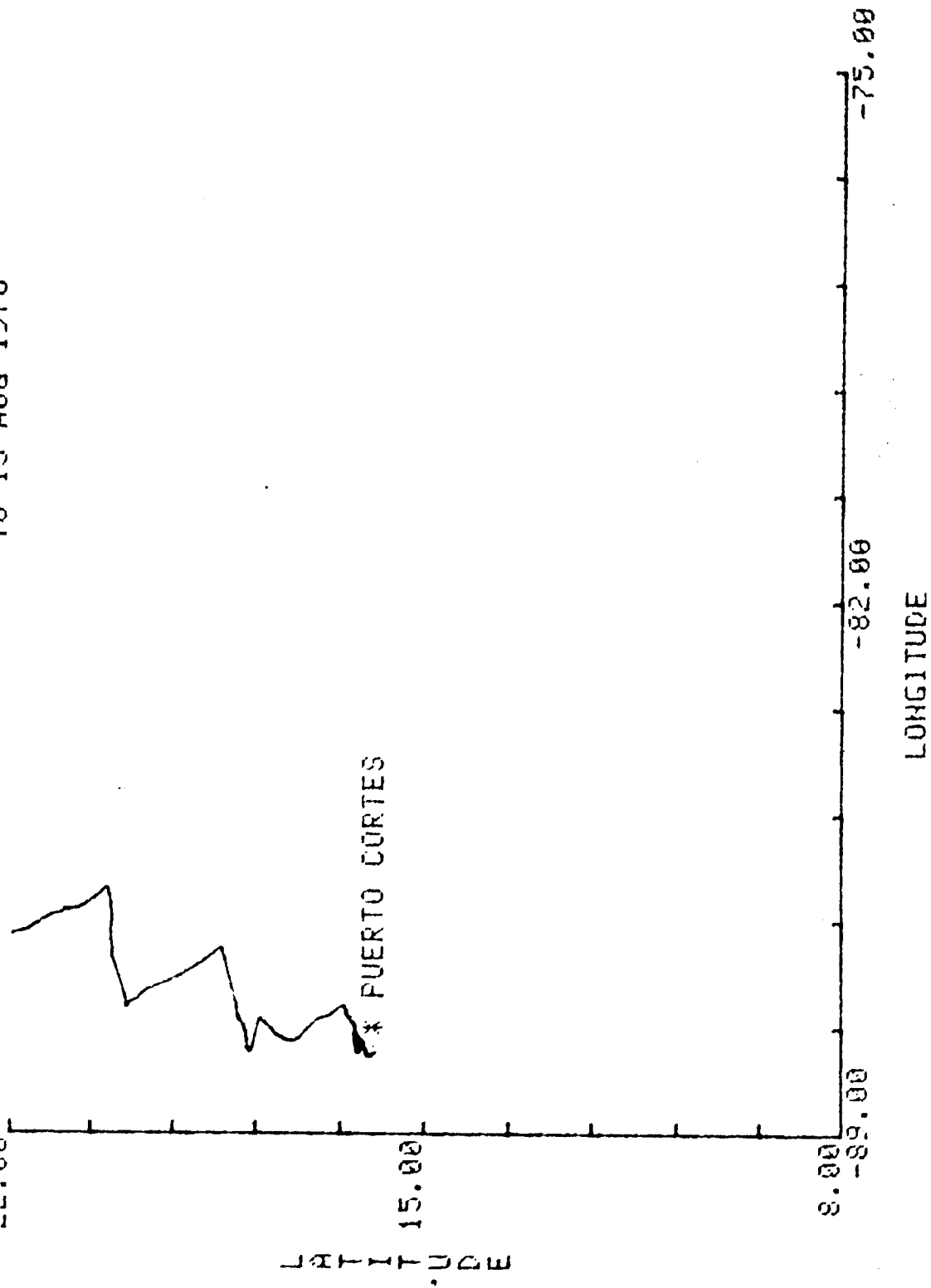


Fig. 4. Puerto Cortes, Honduras, to Yucatan Channel.