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Cruise Report
by
Juan Luis Trías

VESSEL:
R/V Jean A
DATES:
November 6-21, 1991
LOCATION:
South Coast of Puerto Rico, (Caja de Muertos to Salinas-Jobos area).
OBJECTIVE:
Aproximately 200 nautical miles of shallow seismic reflection data were collected in the nearshore waters of Caja de Muertos and Salinas-Jobos to study sub-bottom profiles. More than 200 surface samples have been analyzed for textural and chemical qualities and to delineate the boundaries of the sediment facies.

The results of this investigation will be published in the Marine Geologic Map of Caja de Muertos and the Marine Geologic Map of Salinas to Jobos area. The marine geologic maps will provide reconnaissance level information on bathymerty, geologic structure, surficial sediment characteristics and coastal processes.

These maps will be part of a geologic mapping program that covers the Puerto Rico insular shelf, that is being carried out by the U.S. Geological Survey in cooperation with the Puerto Rico Department of Natural Resources.
SCIENTIFIC PERSONNEL:
Juan Luis Trias- USGS: San Juan
Milton Carlo-USGS: San Juan
Ken Parolsky-USGS: Woods Hole
Elazar Uchupi-Woods Hole Oceanographic Institution: Woods Hole
CHIEF SCIENTISTS:
Juan Luis Trías and Elazar Uchupi
EQUIPMENT:
1. Seismic data was collected with a Uniboom system and a 3.5 KHz seismic system.
2. Navigation control was provided by a Miniranger system.
3. Surface sediment samples were collected with a

Shipek grab sampler.

PORT OF CALL:

Caja de Muertos area: Ponce Harbor (Nov 6 to Nov 12 1991).
Salinas to Jobos area: Aquirre Harbor (Nov 13 to Nov 21 1991).

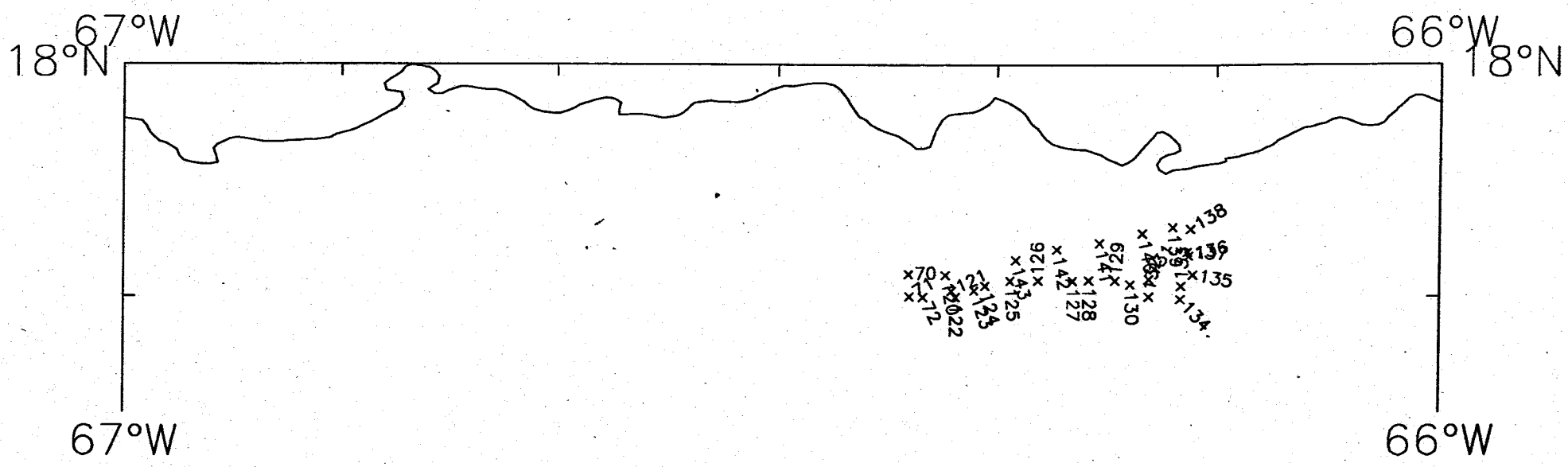
TRIAS/ UCHUPI

JEAN A JENA 91-11

PONCE-SALINAS-JOBOS

November 6-21, 199[redacted]

SAMPLING LOCATIONS
NOVEMBER 18, 1991



518

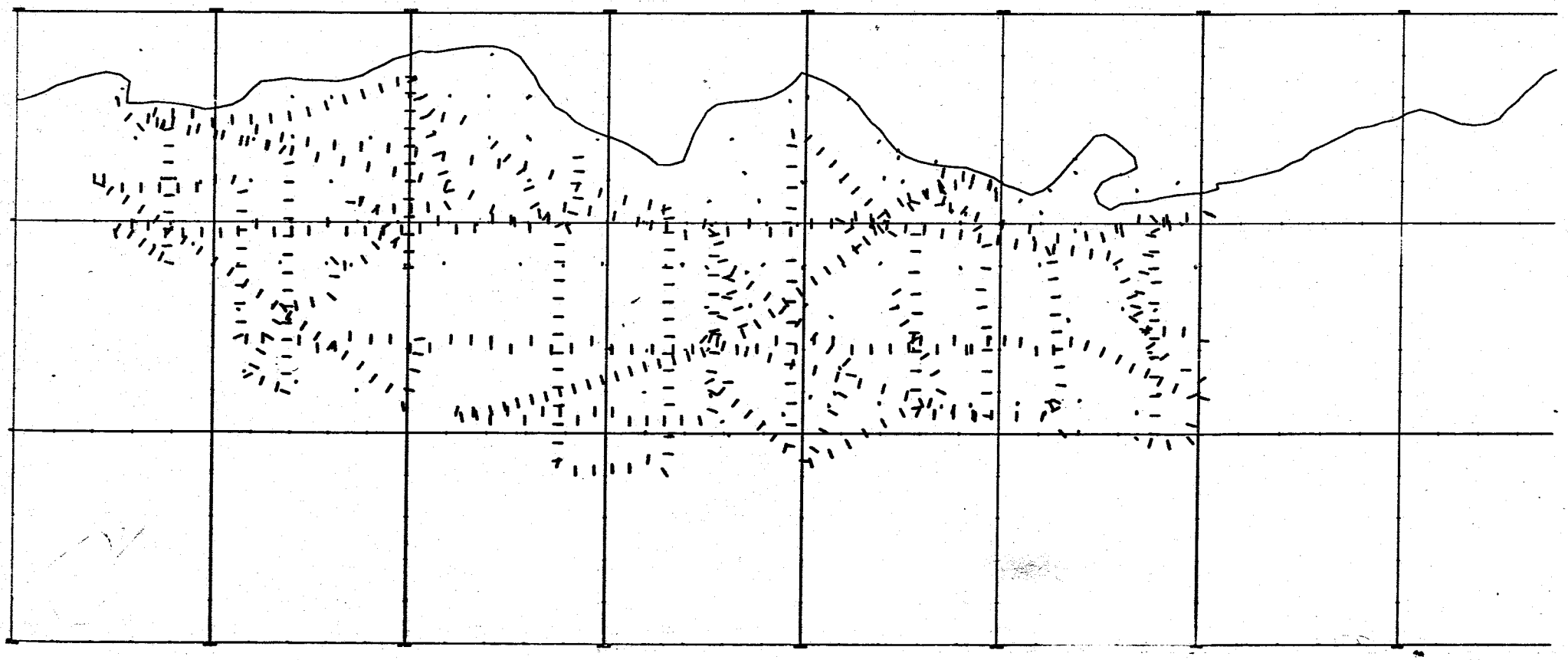
TRIAS/ UCHUPI

JEAN A JENA 91-11

PONCE-SALINAS-JOBOS

November 6-21, 199[redacted]

TRACKLINE CHART



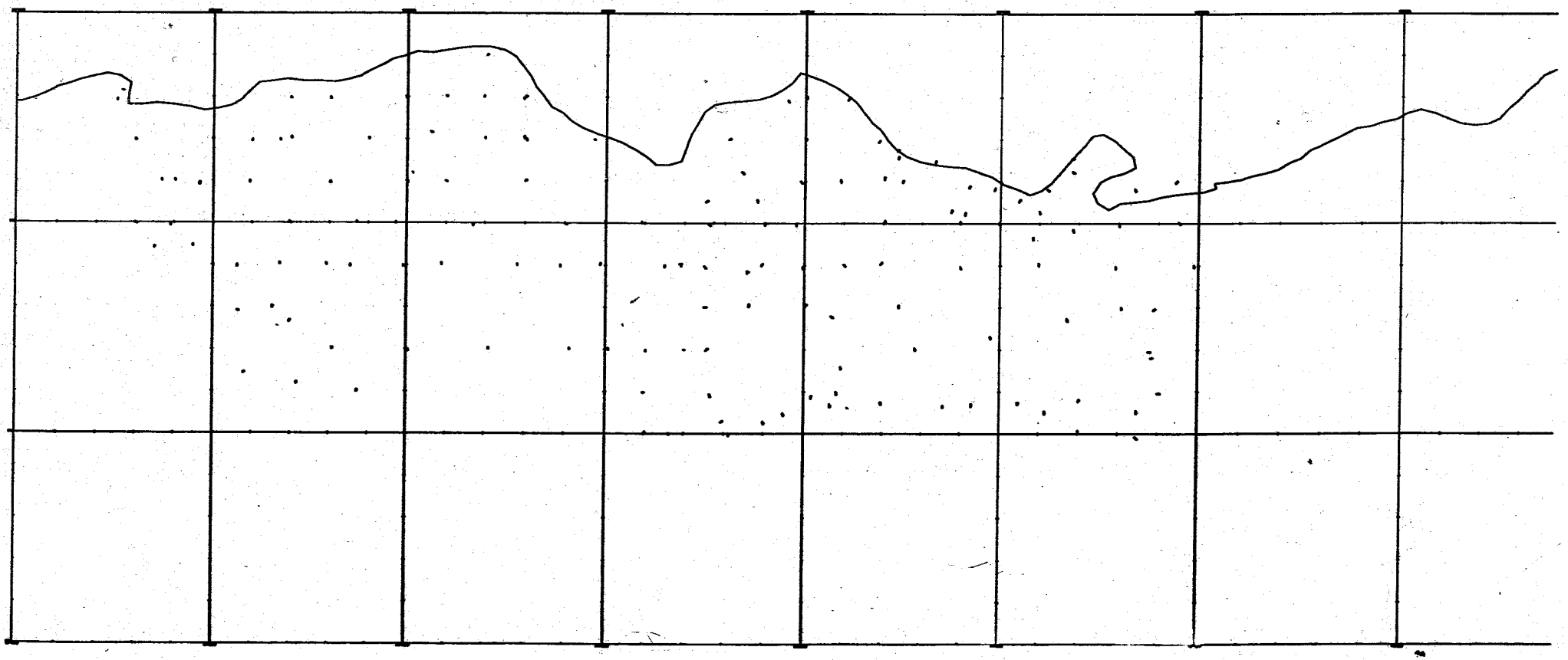
TRIAS/ UCHUPI

JEAN A JENA 91-11

PONCE-SALINAS-JOBOS

November 6-21, 199[redacted]

SAMPLING LOCATIONS



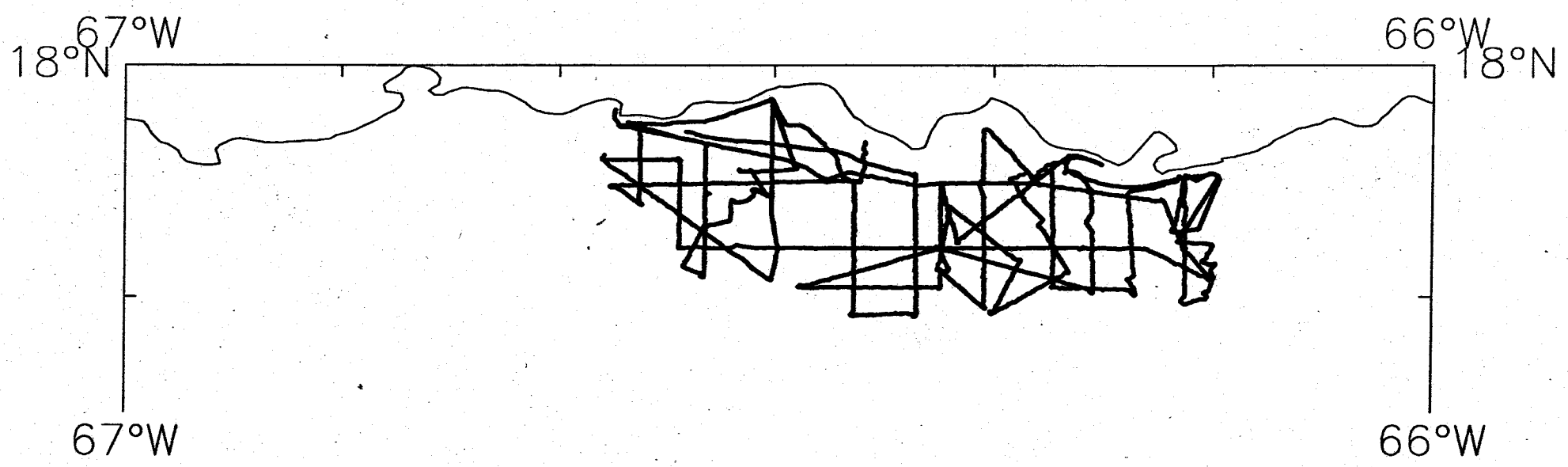
TRIAS/ UCHUPI

JEAN A JENA 91-11

PONCE-SALINAS-JOBOS

November 6-21, 199[redacted]

TRACKLINE CHART FOR
SEISMIC SURVEY
NOV 7, 8, 9, 10, 15, 16, 17, 1991



NV 07, 08, 09, 10, 15, 16, 17

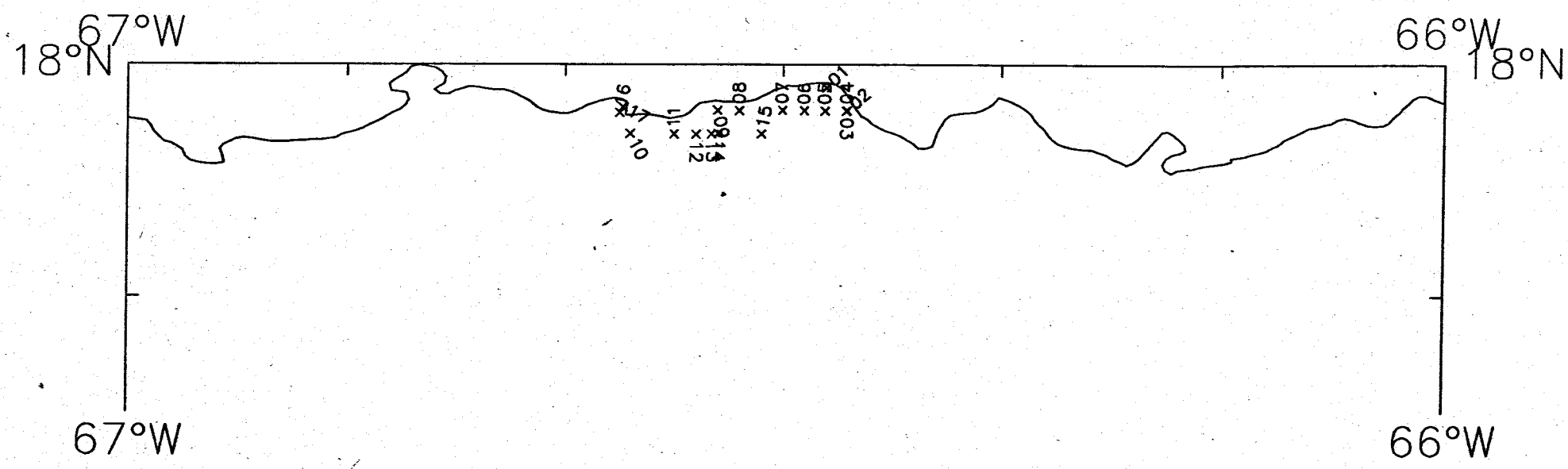
TRIAS/ UCHUPI

JEAN A JENA 91-11

PONCE-SALINAS-JOBOS

November 6-21, 199[redacted]

SAMPLING LOCATIONS
NOVEMBER 11, 1991



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TRIAS/ UCHUPI

JEAN A JENA 91-11

PONCE-SALINAS-JOBOS

November 6-21, 199[redacted]

SAMPLING LOCATIONS
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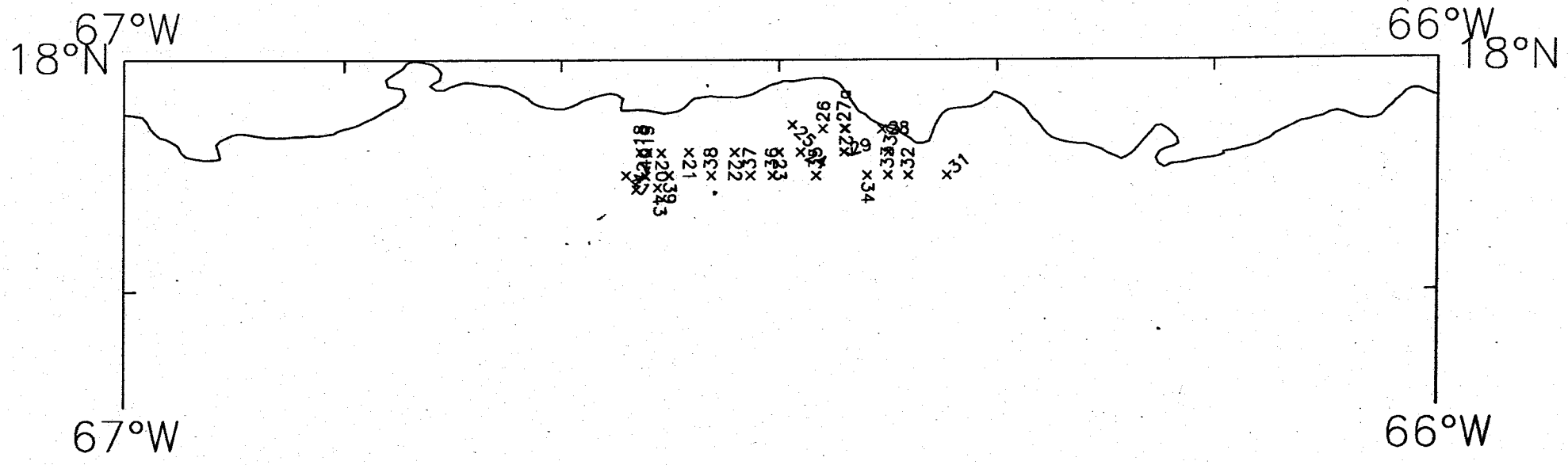

512

TRIAS/ UCHUPI

JEAN A JENA 91-11

PONCE-SALINAS-JOBOS

November 6-21, 199[redacted]

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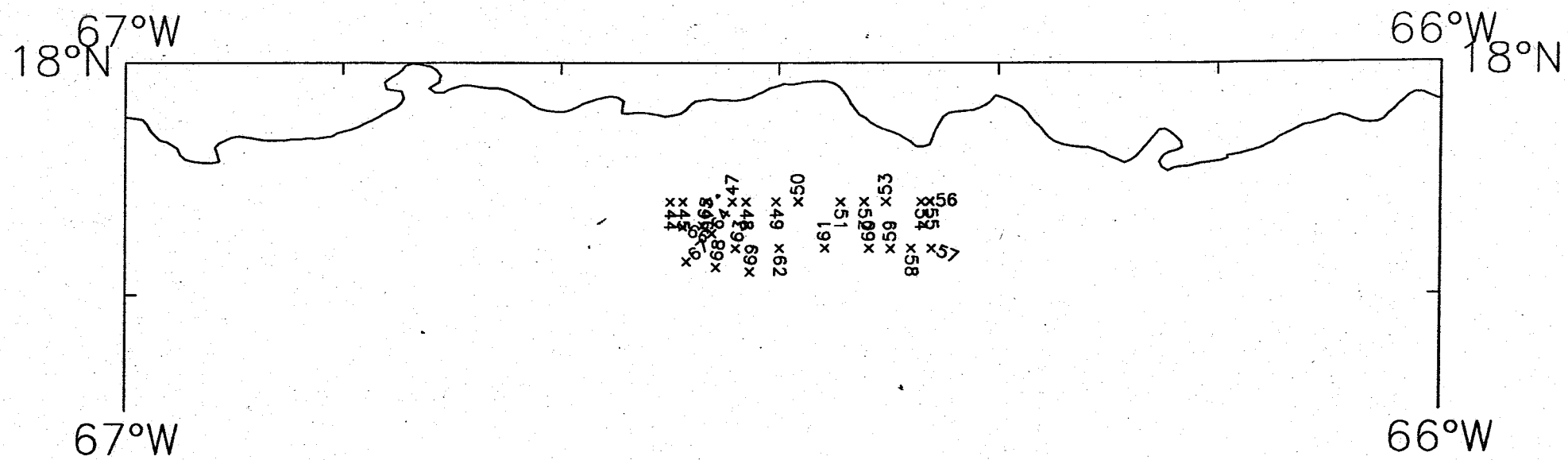

S13

TRIAS/ UCHUPI

JEAN A JENA 91-11

PONCE-SALINAS-JOBOS

November 6-21, 199[redacted]

SAMPLING LOCATIONS
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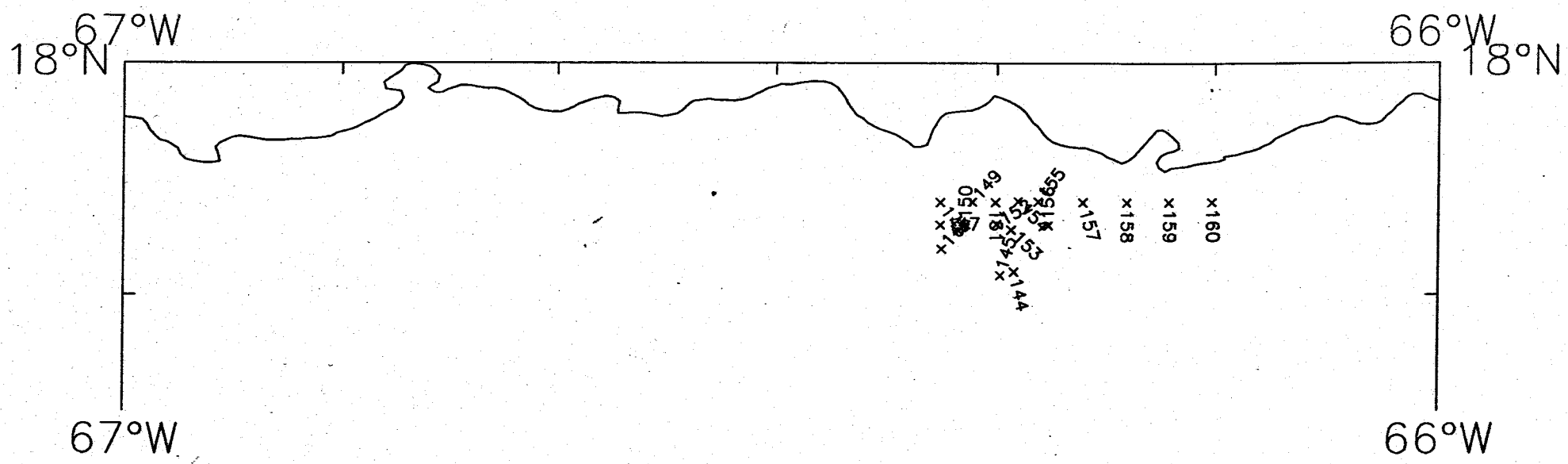

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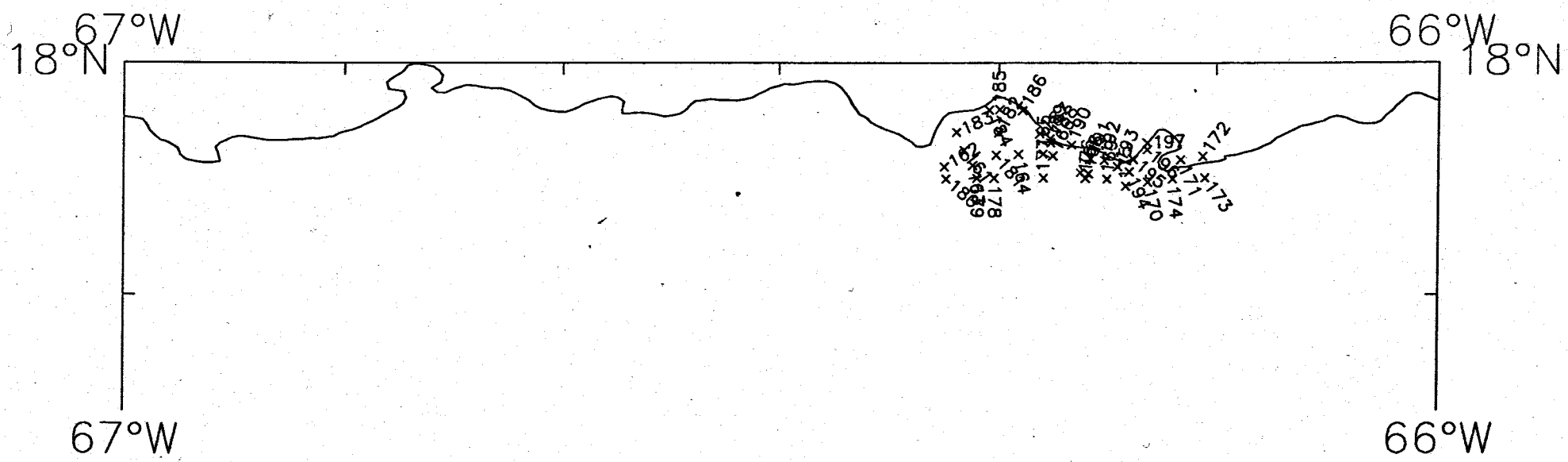
TRIAS/ UCHUPI

JEAN A JENA 91-11

PONCE-SALINAS-JOBOS

November 6-21, 199[redacted]

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