M. Soderberg
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CHANDELUER ISLANDS AREA SEISMIC

CRUISE 87-2 LEG 1

DATES: June 14, 1987 to June 19, 1987

VESSEL: R/V ACADIANA, Louisiana Universities Marine Consortium

PERSONNEL:

Capt. C. L. Black, LUMCON
Wayne Simoneaux, LUMCON
John R. Suter, Co-Chief Scientist, Louisiana Geological Survey (LGS)
Jack L. Kindinger, Co-Chief Scientist, USGS
Ron Boyd, Dalhousie University
Ken Parolski, USGS

AREA OF OPERATION: Chandeleur Islands and Mississippi Barriers in the Gulf of Mexico

Approximate Lat/Long:	30 00 N 89 15 W	30 30 N 88 00 W
	29 00 N 89 15 W	29 00 N 88 00 W

HIGH RESOLUTION SEISMIC SYSTEMS:

ORE Geopulse (Boomer)
Benthos 10 element hydrophone
EPC 3200 Recorder, ORE 5210 Receiver
ORE 5420 A Power Supply
ORE 3.5 kHz Subbottom Profiler with ORE 140 Transceiver
Northstar 6000 LORAN with Texas Instruments Silent 700
EPC Delay box

RESULTS:

Approximately 600 km (325 n. mi.) of very good high resolution profiles were collected from the barrier islands to over the shelf break (Figure 1).

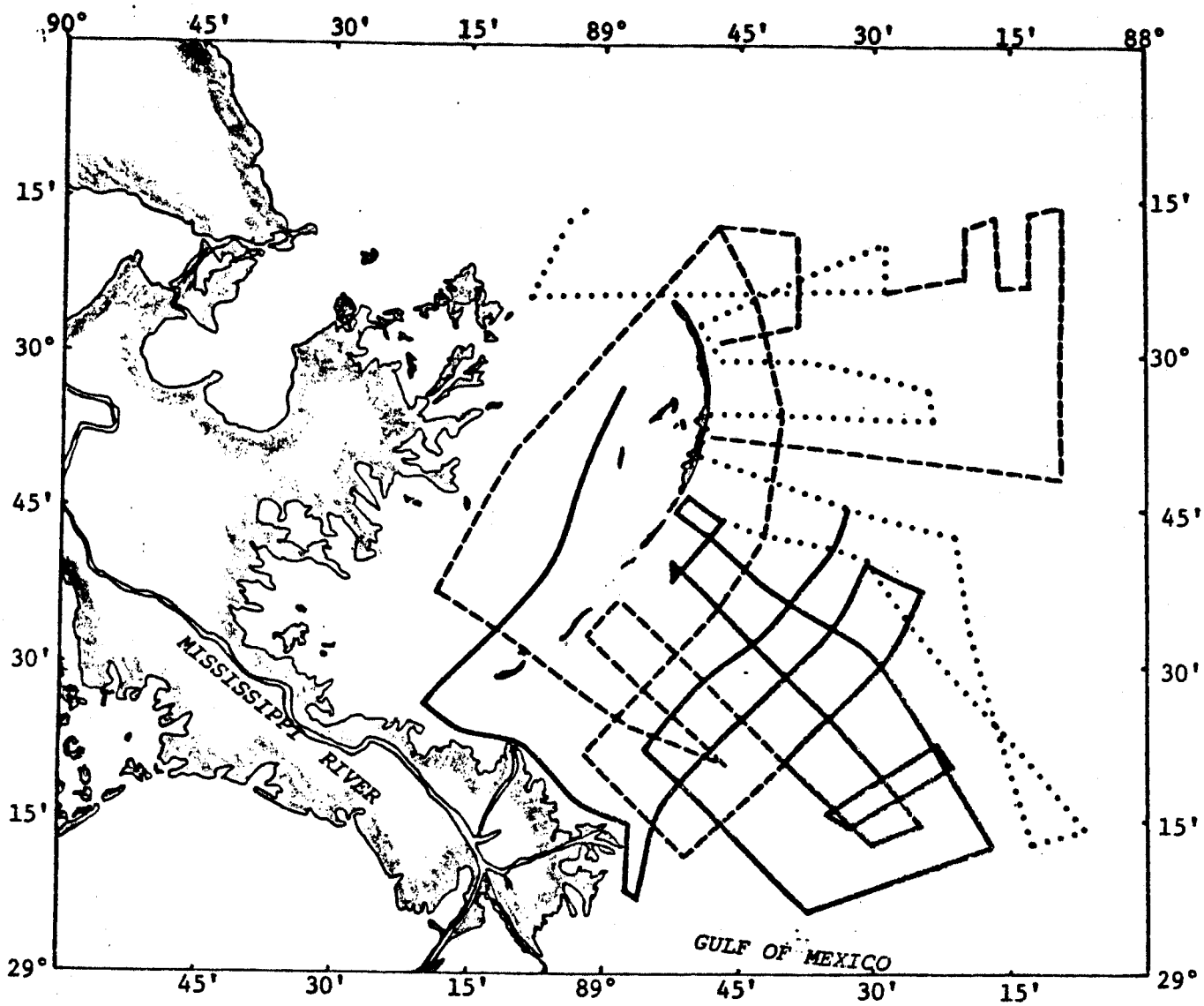

Figure 1. ACADIANA 87 - 1 Seismic Tracklines. A U.S. Geological Survey and Louisiana Geological Survey Cooperative Research Project in the Chandeleur Islands area: Leg 1 ———; Leg 2 • • • •; and Leg 3 — — —.

CHANDELUER ISLANDS AREA SEISMIC

CRUISE 87-2 LEG 2

DATES: June 20, 1987 to June 22, 1987

VESSEL: R/V ACADIANA, Louisiana Universities Marine Consortium

PERSONNEL:

Capt. Robert Cutting, LUMCON
Wayne Simoneaux, LUMCON
Jack L. Kindinger, Chief Scientist, USGS
Ken Parolski, USGS
Shea Penland, Louisiana Geological Survey (LGS)
Randolph A. McBride, LGS

AREA OF OPERATION: Chandeleur Islands and Mississippi Barriers in the Gulf of Mexico

Approximate Lat/Long:	30 00 N 89 15 W	30 30 N 88 00 W
	29 00 N 89 15 W	29 00 N 88 00 W

HIGH RESOLUTION SEISMIC SYSTEMS:

ORE Geopulse (Boomer)
Benthos 10 element hydrophone
EPC 3200 Recorder, ORE 5210 Receiver
ORE 5420 A Power Supply
ORE 3.5 kHz Subbottom Profiler with ORE 140 Transceiver
Northstar 6000 LORAN with Texas Instruments Silent 700
EPC Delay box

RESULTS:

Approximately 440 km (238 n. mi.) of very good high resolution profiles were collected from the barrier islands to over the shelf break (Figure 1).

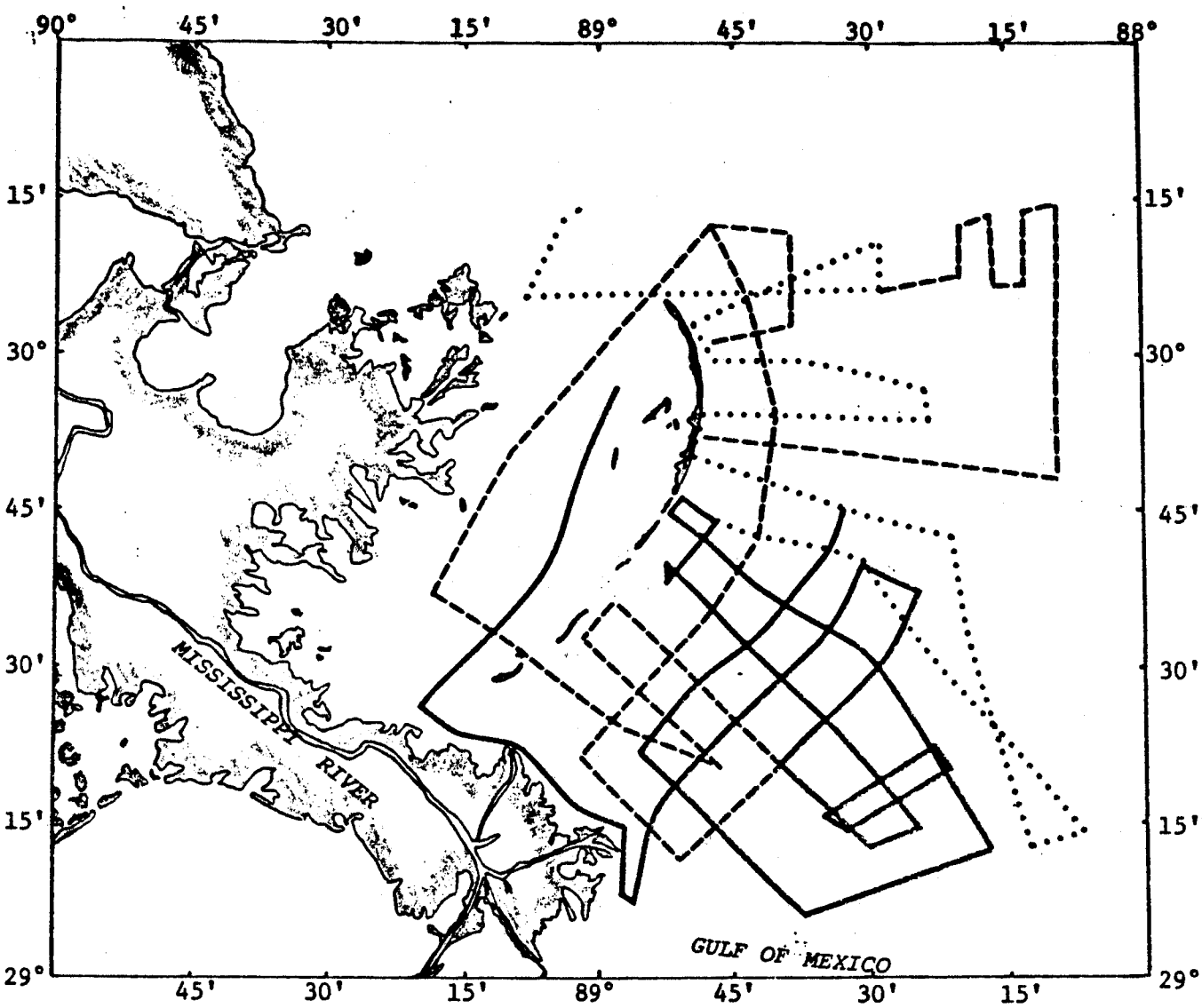

Figure 1. ACADIANA 87 - 1 Seismic Tracklines. A U.S. Geological Survey and Louisiana Geological Survey Cooperative Research Project in the Chandeleur Islands area: Leg 1 ———; Leg 2 • • • •; and Leg 3 — — —.

CHANDELUER ISLANDS AREA SEISMIC

CRUISE 87-2 LEG 3

DATES: June 23, 1987 to June 26, 1987

VESSEL: R/V ACADIANA, Louisiana Universities Marine Consortium

PERSONNEL:

Capt. C. L. Black, LUMCON
Wayne Simoneaux, LUMCON
John R. Suter, Co-Chief Scientist, Louisiana Geological Survey (LGS)
Jack L. Kindinger, Co-Chief Scientist, USGS
Steve Anderson, LGS
Ken Parolski, USGS

AREA OF OPERATION: Chandeleur Islands and Mississippi Barriers in the Gulf of Mexico

Approximate Lat/Long:	30 00 N 89 15 W	30 30 N 88 00 W
	29 00 N 89 15 W	29 00 N 88 00 W

HIGH RESOLUTION SEISMIC SYSTEMS:

ORE Geopulse (Boomer)
Benthos 10 element hydrophone
EPC 3200 Recorder, ORE 5210 Receiver
ORE 5420 A Power Supply
ORE 3.5 kHz Subbottom Profiler with ORE 140 Transceiver
Northstar 6000 LORAN with Texas Instruments Silent 700
EPC Delay box

RESULTS:

Approximately 600 km (325 n. mi.) of very good high resolution profiles were collected from the barrier islands to over the shelf break (Figure 1).

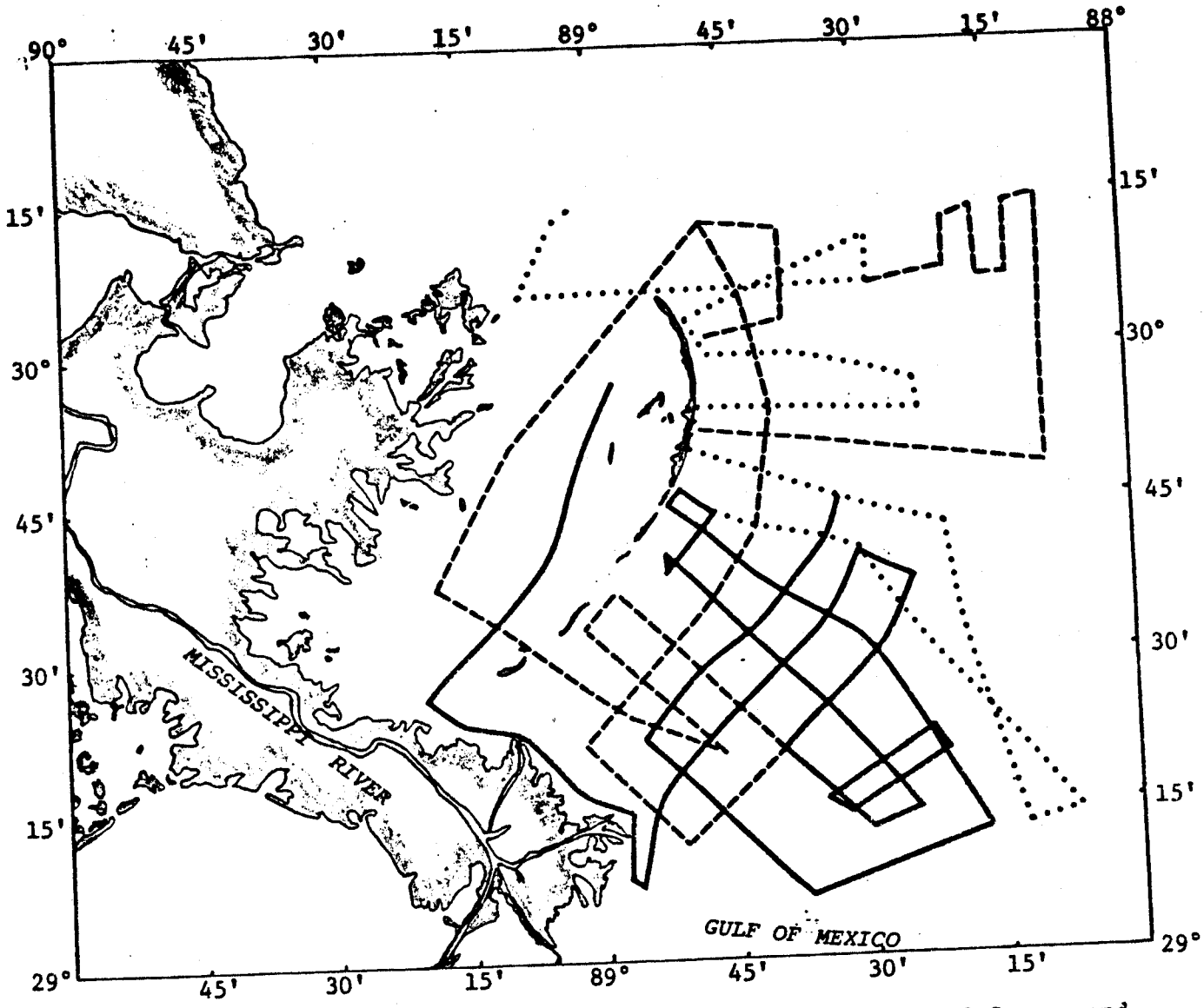

Figure 1. ACADIANA 87 - 1 Seismic Tracklines. A U.S. Geological Survey and Louisiana Geological Survey Cooperative Research Project in the Chandeleur Islands area: Leg 1 ———; Leg 2 • • • •; and Leg 3 — — —.