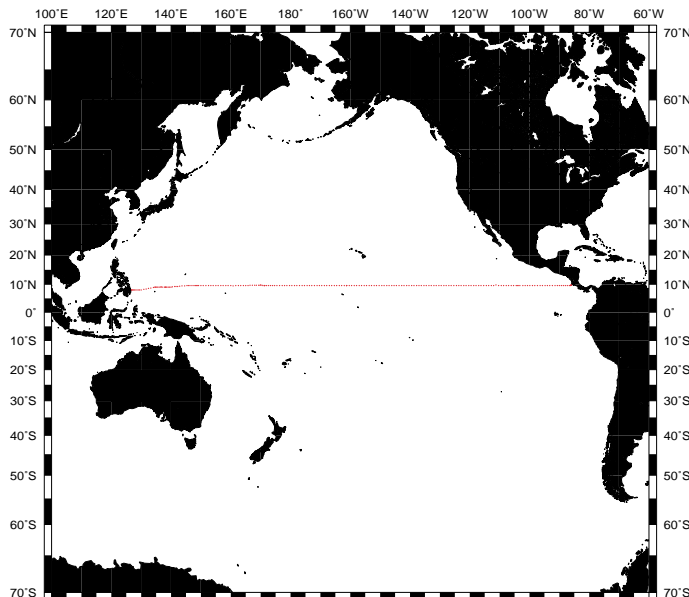


## A. Cruise Narrative P04 (10 N TRANSPACIFIC CRUISE)



### A.1. Highlights

#### WHP Cruise Summary Information

WOCE section designation	<b>P04</b>	
Expedition designation (EXPCODE)	<b>32MW893_1-3</b>	
Chief Scientist(s) and their affiliation	<b>J. Toole*, T. Joyce**, H. Bryden***</b>	
Dates	1989.02.06 - 1989.05.19	
Ship	R/V Moana Wave	
Ports of call	Mindanao, Philippines to Puntarenas, Costa Rica	
Number of stations	221 full ocean depth stations 9° 50.3 ' N	
Geographic boundaries of the stations	126° 32.9' E	85° 45' W 7° 58.1' N
Floats and drifters deployed	none	
Moorings deployed or recovered	none	

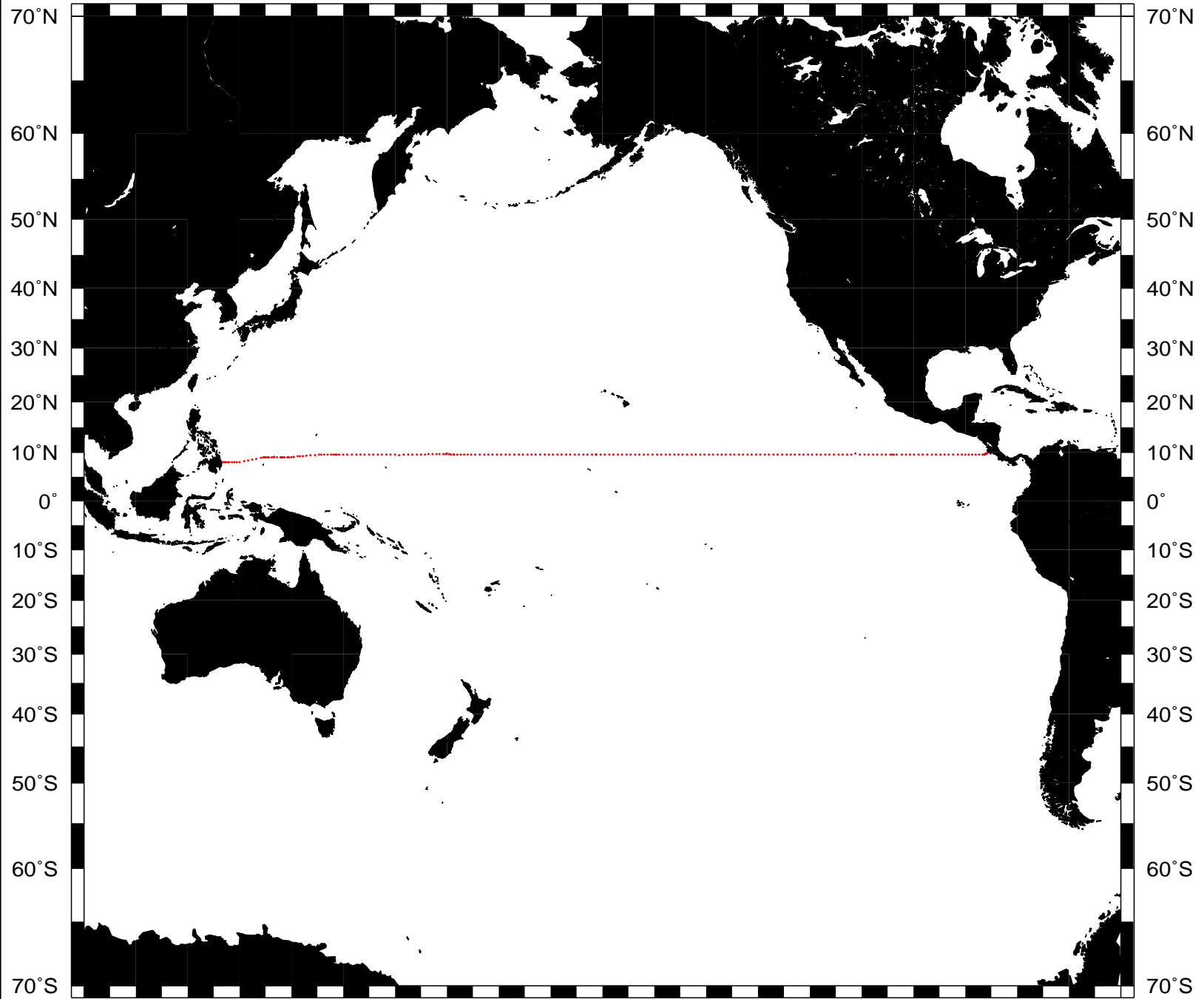
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It is difficult to apportion credit for the success of the 10 N trans-Pacific hydrographic section measurement program in a single author list. First of all, all of the cruise participants listed in Appendix A were essential. Authors of individual sections of the Data Report are noted at the head of each section. George Knapp and Lorraine Barbour drafted the property sections, Plates 1, 2, 3, & 4. Jane Dunworth-Baker and Ann Spencer prepared the data listings in Appendix C. Overall compilation and editing of this report were done by Marvel Stalcup, George Knapp, Barbara Gaffron, Harry Bryden and John Toole.

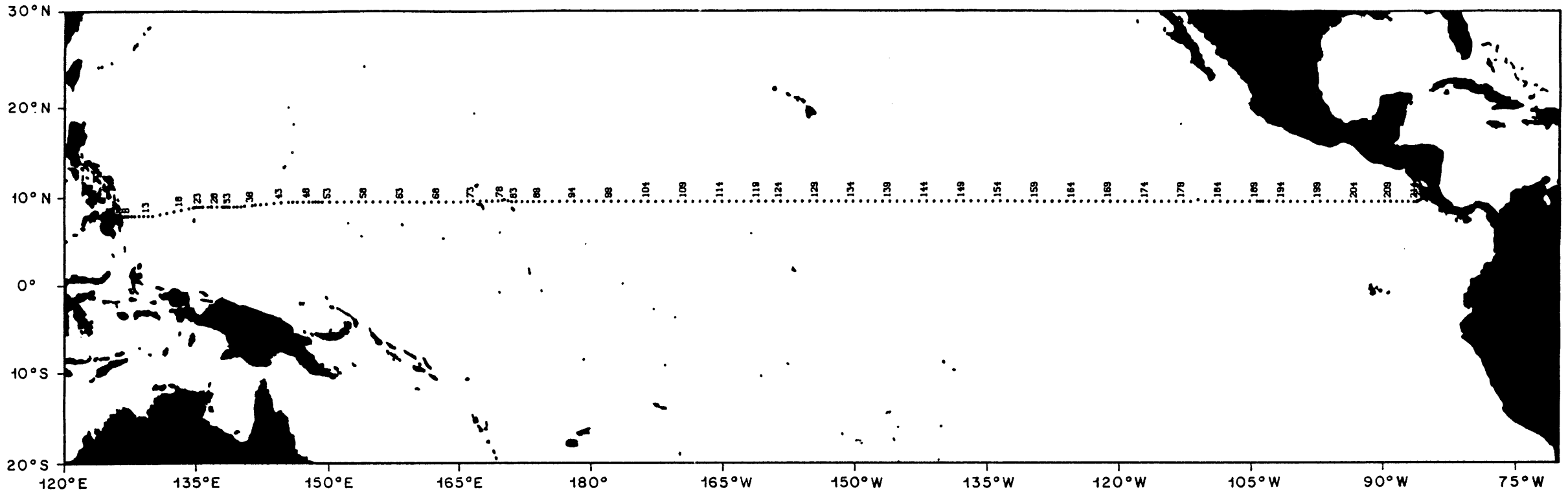
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# Station Locations for P04

100°E 120°E 140°E 160°E 180° 160°W 140°W 120°W 100°W 80°W 60°W



Produced from .sum file by WHPO-SIO



Potential Density Anomaly (kg/m<sup>3</sup>)

