

A HARMONIC ANALYSIS OF PACIFIC  
SEASONAL SEA LEVEL VARIATIONS

A THESIS SUBMITTED TO THE GRADUATE DIVISION OF THE  
UNIVERSITY OF HAWAII IN PARTIAL FULFILLMENT  
OF THE REQUIREMENTS FOR THE DEGREE OF

MASTER OF SCIENCE

IN OCEANOGRAPHY

May 1980

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## ABSTRACT

Sea level records from 169 stations in the Pacific were collected and mean monthly means computed. The records were subjected to a harmonic analysis to determine the amplitudes and phases of the annual and semiannual variations. The distribution of the harmonic parameters and their contribution in shaping the seasonal variation are discussed. Twelve stations representative of certain regions were selected and the reasons for their seasonal sea level variations are discussed.