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AUTOMATIC DIGITIZATION AND PROCESSING OF ACCELEROGRAMS USING PC

by

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Report No. 90-03

Los Angeles, California
April, 1990

ABSTRACT

This report presents the current data reduction and analysis procedures on a PC in the routine processing of strong-motion accelerograms. It presents a new generation of computer programs and various hardware and software developments relative to and following our previous report on this subject in 1979 (Trifunac and Lee, 1979).

The first part of this report (Part I) describes the new hardware for automatic digitization of analog traces on a personnal computer. The second part describes the latest version of our software in the procedures used in data processing of the digitized accelerograms.

TABLE OF CONTENTS

ABSTRACT i

PART I: AUTOMATIC DIGITIZATION USING PC AND SCANNER ..... *I* 1

PART II: DATA PROCESSING USING PC ..... *II* 1

ACKNOWLEDGEMENTS ..... *II* 80

REFERENCES ..... *II* 81