

AD-A281 158



(1)

ANNUAL/ 01 JUN 93 TO 31 MAY 94

4. TITLE AND SUBTITLE

AASERT-92 OBSERVATIONAL ANALYSIS OF THE ORIGIN
OF NON-DOUBLE COUPLE SEISMIC SOURCES

5. AUTHOR(S)

DR. FROHLICH

3484/YS

F49620-93-1-0368

7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES)

UNIVERSITY OF TEXAS AT AUSTIN
PO BOX 7726
AUSTIN TX 78713-7726DTIC
ELECTE
JUL 07 1994

AEOSR-TR- 94 0394

8. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)

AFOSR/NM
110 DUNCAN AVE, SUTE B115
BOLLING AFB DC 20332-0001

F49620-93-1-0368

11. SUPPLEMENTARY NOTES

286

94-20719



12a. DISTRIBUTION AVAILABILITY STATEMENT

APPROVED FOR PUBLIC RELEASE: DISTRIBUTION IS UNLIMITED

12b. DISTRIBUTION CODE

13. ABSTRACT (Maximum 200 words)

The funding in ASSERT Grant NO F49620-93-1-0368 is primarily for Paul Nyffenegger, a graduate student at the University of Texas at Austin. He has been working with a colleague, Lian-She Zhao, to modify a computer program to construct synthetic seismograms using the reflectivity method so that he can evaluate broadband non-double-couple signals, and comparing his primarily results with data for small earthquakes in California. He continues to collect data for specific large, non-double earthquakes from the IRIS DMS data archives in Seattle. We expect to present some preliminary results from this research at the Air Force meetings in New York in September.

DTIC QUALITY INSPECTED 8

14. SUBJECT TERMS

17. SECURITY CLASSIFICATION
OF REPORT

UNCLASSIFIED

NSN 7540-01-280-5500

18. SECURITY CLASSIFICATION
OF THIS PAGE

UNCLASSIFIED

19. SECURITY CLASSIFICATION
OF ABSTRACT

UNCLASSIFIED

20. SECURITY CLASSIFICATION
OF ABSTRACT

SAR(SAME AS REPORT)

94 7 6 172

INSTITUTE FOR GEOPHYSICS
THE UNIVERSITY OF TEXAS AT AUSTIN

AFOSR-TR- 94 0394

8701 North Mopac Boulevard • Austin, Texas 78759-8345 • (512) 471-6156 • Fax: (512) 471-8844
Telex: 740-1439 UTIG UC • Omnet: UTIG.AUSTIN • Internet: utig@utig.ig.utexas.edu

Approved for public release;
distribution unlimited.

May 31, 1994

Ms. Marilyn J. McKee
Chief, Contracts/Grants Administration Division
AFOSR/PKA
110 Duncan Avenue, Suite B115
Bolling AFB, DC 20332-0001

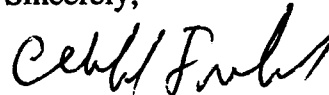
Re: Annual Technical Report for AASERT Grant No. F49620-93-1-0368

Dear Ms. McKee:

The funding in AASERT Grant No. F49620-93-1-0368 is primarily for Paul Nyffenegger, a graduate student under my supervision at the University of Texas at Austin. In 1993-1994 Nyffenegger has continued to make good progress towards the Ph. D. degree. In December, 1993, he passed his Admission to Candidacy exam, so that now his principal concern is to work on research for his dissertation. He has now finished his required, formal coursework for the Ph. D.

In this research, he has made reasonable progress. Recently he has been working with a colleague, Lian-She Zhao, to modify a computer program to construct synthetic seismograms using the reflectivity method so that he can evaluate broadband non-double-couple signals, and comparing his preliminary results with data for small earthquakes in California. He continues to collect data for specific large, non-double-couple earthquakes from the IRIS DMS data archives in Seattle. We expect to present some preliminary results from this research at the Air Force meetings in New York in September.

Sincerely,



Cliff Frohlich
Senior Research Scientist

Copy: Eleanor P. Picard, UTIG
Wayne Kuenstler, UT OSP
Pat Campbell, ONR Austin Office

Availability Codes	
Dist	Avail and/or Special
A-1	