

SOFTWARE RELEASE NOTICE

1. SRN Number: GLGP-SRN-198		
2. Project Title: Structural Deformation and Seismicity KTI		Project No. 20-1402-471
3. SRN Title: OASIS montaj Version 4.2		
4. Originator/Requestor: Peter C. La Femina		Date: 08/03/99
5. Summary of Actions <input checked="" type="checkbox"/> Release of new software <input type="checkbox"/> Release of modified software: <input type="checkbox"/> Enhancements made <input type="checkbox"/> Corrections made <input type="checkbox"/> Change of access software <input type="checkbox"/> Software Retirement		
6. Persons Authorized Access		
Name	Read Only/Read-Write	Addition/Change/Delete
Peter C. La Femina	RO	A
John Stamatakis	RO	A
Chuck Connor	RO	A
David Ferrill	RO	A
David Farrell	RO	A
7. Element Manager Approval: Larry McKague <i>L. S. McKague</i> Date: 8/6/99		
8. Remarks:		

SOFTWARE SUMMARY FORM

01. Summary Date: 8/03/99	02. Summary prepared by (Name and phone) Peter C. La Femina (210) 522-6837	03. Summary Action: NEW	
04. Software Date: 5/22/98	05. Short Title: OASIS montaj		
06. Software Title: OASIS montaj Version 4.2 (Service Pack5)		07. Internal Software ID: N/A	
08. Software Type: <input type="checkbox"/> Automated Data System <input checked="" type="checkbox"/> Computer Program <input type="checkbox"/> Subroutine/Module	09. Processing Mode: <input checked="" type="checkbox"/> Interactive <input type="checkbox"/> Batch <input type="checkbox"/> Combination	10. Application Area a. General: <input checked="" type="checkbox"/> Scientific/Engineering <input type="checkbox"/> Auxiliary Analyses <input type="checkbox"/> Total System PA <input type="checkbox"/> Subsystem PA <input type="checkbox"/> Other b. Specific:	
11. Submitting Organization and Address: CNWRA/SwRI 6220 Culebra Road San Antonio, TX 78228		12. Technical Contact(s) and Phone: Geosoft Technical Support (License #GC2111) <u>www.geosoft.com</u> (416) 369-0111 (800) 363-MAPS	
13. Software Application: Data Processing and Analysis (DPA) System for geophysical and geological data. Software creates geophysical and geological gridded color-shaded maps.			
14. Computer Platform PC-IBM compatible	15. Computer Operating System: Windows 95 Windows NT	16. Programming Language(s): N/A	17. Number of Source Program Statements: N/A
18. Computer Memory Requirements: 16 MB min.	19. Tape Drives: N/A	20. Disk Units: 15 MB	21. Graphics: 24-bit
22. Other Operational Requirements: The software manufacture recommends a 2Gb disk for data storage and a 0.5 to 1Gb disk for swap space.			
23. Software Availability: <input checked="" type="checkbox"/> Available <input type="checkbox"/> Limited <input type="checkbox"/> In-House ONLY		24. Documentation Availability: <input checked="" type="checkbox"/> Available <input type="checkbox"/> Preliminary <input type="checkbox"/> In-House ONLY	
25. Software Developer: Geosoft Technical Support Date: 5/22/98 <i>BSm</i> ^{8/6/99}			

Peter C. La Femina

TO: Bruce Mabrito
FROM: Peter C. La Femina
SUBJECT: TOP-018 for OASIS montaj™
DATE: July 23, 1999

OASIS montaj™ is a widely distributed, off-the-shelf program used for the processing, analysis and visualization of geophysical potential field data and geological data. Geophysical potential field data, such as, ground magnetic or electrical conductivity data and geological data, for example topography, can be imported, processed, analyzed, visualized, and output as color maps, using the OASIS montaj™ Data Processing and Analysis (DPA) system.

OASIS montaj™, version 4.2 (service pack 5), is the current version of OASIS montaj™ released by Geosoft, Inc., Toronto, Ontario, Canada. The current version was released on May 22, 1998 and runs under the Microsoft Windows 95™ and Windows NT™ operating systems. Geosoft, Inc. periodically releases service packs, which are "flexible bug fixes". These service packs fix bugs that have been found by users and software developers and are downloaded from their web site - www.geosoft.com. Documentation for each service pack, as well as software technical notes can be downloaded from the latter web site.

The installation of the software was successful and has now been installed on several Microsoft Windows NT™ personal computers. The OASIS montaj™ software package requires the use of a license installation disk. To operate the software the license must be installed on the computer. This is accomplished by placing the license disk in the disk drive and opening the program. To test OASIS montaj™ I have benchmarked the softwares minimum tension gridding algorithms against the Earthvision™ software package, which runs in the Unix environment on a Silicon Graphics workstation. I used topographic data collected using a differential Global Positioning System (DGPS) and the results are shown in the attached figures.

The following documents are provided in the TOP-018 folder:

The front cover and table of contents of the Oasis montaj™ user's manual. The complete and original user's manual is kept by Peter C. La Femina in office A263.

1 compact disc with the Geosoft, Oasis montaj™ installation program and ancillary information.

1 Oasis montaj™ color-shaded relief map of Cerro Negro volcano, Nicaragua

1 Earthvision™ color-contoured map of Cerro Negro volcano, Nicaragua