

ENVIRONMENTAL  
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ELECTRO-OPTICS SECTION

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14 January 1977

*Return to hgr*

National Radio Astronomy Observatory  
Edgemont Road  
Charlottesville, Virginia 22901

ATTN: Dr. L. Somers

SUBJECT: Monthly Report for December 1976  
VLA Optical Processor  
Contract: VLA-215

1.0 SUMMARY

A review [1] of the ERIM study for a VLA optical processor was given to representatives of the NRAO (D. Somers, R. Burns, B. Clark, L. D'Addario).

Analysis of the affects of the dynamic range and spatial distribution of expected u,v plane data [2], and u,v, data encoding error propagation [3] affects were continued as part of the Task 3 effort currently underway.

We expect to begin preparation of the draft of the final report for the program during next month.

ly,  
ch  
investigator

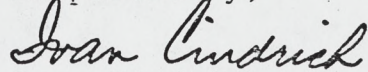
cal Processor, 1976.  
1 Memorandum, 7 January  
ernal Memorandum,



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Accumulated expenditures to date, including encumbrances, are \$85,503.

Respectfully,



Ivan Cindrich  
Principal Investigator

IC:sd

REFERENCES

1. ERIM Preliminary Notes on the VLA Optical Processor, 1976.
2. On-Axis Impulse Response, ERIM Internal Memorandum, 7 January 1977, J. Fienup.
3. Antihermitian Error Analysis, ERIM Internal Memorandum, 3 January 1977.