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PRELIMINARY USER  
GUIDE FOR THE  
PROGRAM GTDDM  
(GROUND TRUTH DOT DUMP)

JOB ORDER 71-593

Prepared By  
Lockheed Electronics Company, Inc.  
Systems and Services Division  
Houston, Texas

Contract NAS 9-15200

For

EARTH OBSERVATIONS DIVISION  
SCIENCE AND APPLICATIONS DIRECTORATE

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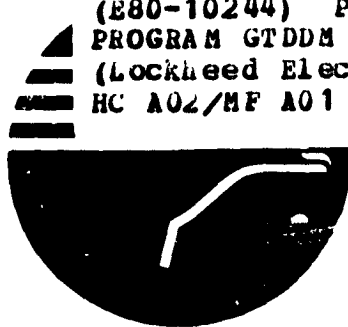
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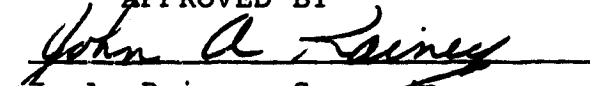
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(GROUND TRUTH DOT DUMP)

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## 1. INTRODUCTION

The program GTDDM uses the converted ground truth tape (a product of the program GTTCN) to label the 209 dots. A LACIE format dot card file is made for each ground truth image file. A crop code to category transformation and an indication of a transition year, a phase three, or an input mask must be input. Several files may be processed in one run.

## 2. FUNCTION

GTDDM is called by using the regular LARSYS control cards.

GTDDM calls SET19 and DDM. SET19 is the set up routine used to assimilate the control cards. DDM is the main working routine in the program. SET19 calls the dedicated routine GTRNS.

DDM calls some of the LARSYS tape handling subroutines as well as the dedicated routines GTDOTS, GTDTL, GTDWR, and ALPHA.

### 3. CONTROL CARDS

<u>Keyword</u>	<u>Parameter &amp; default Values</u>	<u>Function</u>
FORM	1 or 2 default:1	Tape format 1 - Universal 2 - LARSYS 3
\$GTDDM		Processor card
READ TAPE	UNIT=N,FILE=M default:N=12,M=1	N is the Fortran logical unit number to which the converted ground truth file has been assigned. M is the file number for the first file to be processed.
WRITE FILE	UNIT=N,FILE=M Default:N=23,M=1	N is the Fortran Logical unit number to which the dot files will be written. M is the first file to be processed.
DUMP	FILES=N	N is the number of dot files to be written.
MASK	TRANSITION YEAR	Use the transition year type labels.

or

<u>Keyword</u>	<u>Parameter &amp; default values</u>	<u>Function</u>
MASK	PHASE THREE	Use the phase three type labels.
	or	
MASK	INPUT=N <sub>1</sub> ,N <sub>2</sub> ,...,N <sub>19</sub>	
.	.	
.	.	
.	.	
MASK	INPUT=N <sub>1</sub> ,N <sub>2</sub> ,...,N <sub>19</sub>	Input a type matrix (size 17 X 19) where N <sub>i</sub> = 1 or 2
	default: TRANSITION YEAR	
TRANS	CAT=N <sub>1</sub> ,N <sub>2</sub>	
	default:	Crop code to
	N=1,256	category transfor-
	W=99,99	mation CAT is a
	W=124,124	letter of the
	S=100,100	alphabet denoting
	S=125,125	a category. Crop
	B=101,101	codes N <sub>1</sub> through N <sub>2</sub>
	B=126,126	are assigned to be
	R=102,102	this category. These
	R=127,127	cards override each
	F=103,103	other in sequence.
	F=128,128	
	O=104,104	
	O=129,129	
	W=1,15	
	S=16,30	

Example inputs follow:









#### 4. REFERENCES

1. Minter, R. T.; Wills, B. E.; and Gardnes, C. T.: User Documentatin EOD-LARSYS. July 1977, Job Order 71-695, LEC-3984, Contract NAS 9-15200.
2. Ahlers, C. W.: "As-Built" Design Specification For the PDP 11/45 Accuracy Assessment System. December 1977 Job Order 71-695, LEC-11358, Contract NAS 9-15200.