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TAPE MERGE/COPY PROCESSOR

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16. Abstract

The purpose of the TAPMRG processor is to merge or copy data files from one or more tapes onto a single output tape.

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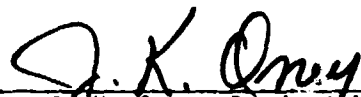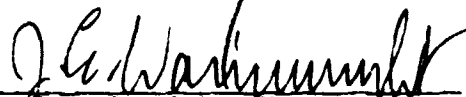
TAPE MERGE/COPY PROCESSOR

Job Order 73-368

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LOCKHEED ENGINEERING AND MANAGEMENT SERVICES COMPANY, INC.

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For

Earth Observations Division
Space and Life Sciences Directorate
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
LYNDON B. JOHNSON SPACE CENTER
HOUSTON, TEXAS

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1. GENERAL INFORMATION

1.1 SYSTEM NAME

TAPMRG

1.2 PRIMARY USER

Early Warning Crop Condition Assessment Project personnel.

1.3 DEVELOPING ORGANIZATION

Lockheed Engineering and Management Services Company, Inc., S. O. O'Brien.

1.4 COMPUTER FACILITY

The TAPMRG processor runs on a DEC PDP 11/70 computer system under the IAS operating system. It is implemented in the USDA FAS computer facility in Houston, Texas.

1.5 REFERENCES

1.5.1 DEC-11-LMFUA-B-D Fortran IV User's Guide

1.5.2 DEC-11-LFSMA-A-D RSX-11D Fortran Special Subroutines Reference Manual.

2. DESCRIPTION

2.1 PURPOSE

The purpose of TAPMRG is to merge or copy data files from one tape to another. Both input and output tapes are created foreign, non-Files 11 (DEC).

2.1 USAGE

The TAPMRG processor is set up to run as a batch job. The input will be one or more foreign generated tape files. These files may be added to another tape or copied to a new tape.

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3. INPUT

3.1 TYPES OF INPUT

3.1.1 TAPE

Any foreign generated tape file with no record exceeding 4000 bytes.

3.1.2 DISK

None

3.1.3 CARDS

The processor requires the following system control and data cards. See figure 1 for example:

```
Col 1
↓
$JOB ERLYWARN2  TAPMRG  100
$MOV/FOR  MM:  TAPE1  XX1:
               TAPE1 = tape to be written on  (output)
$MOV/FOR  MM:  TAPE2  XX2:
               TAPE2 = tape files to be read from (input)
$ASSIGN  XX1:  1
$ASSIGN  XX2:  2
$RUN  TAPMRG
```

N = 2 digit value for the number of files already written on TAPE1
(for the copy procedure this value should be zero and TAPE1 should
be a scratch tape).

M = 2 digit value for the number of the first file on TAPE2 that is
to be added to TAPE1 (for the copy procedure this value should
be 1).

L = 2 digit value for the number of files from TAPE2 to be copies to TAPE1
(for the copy procedure this value should be the total number of files
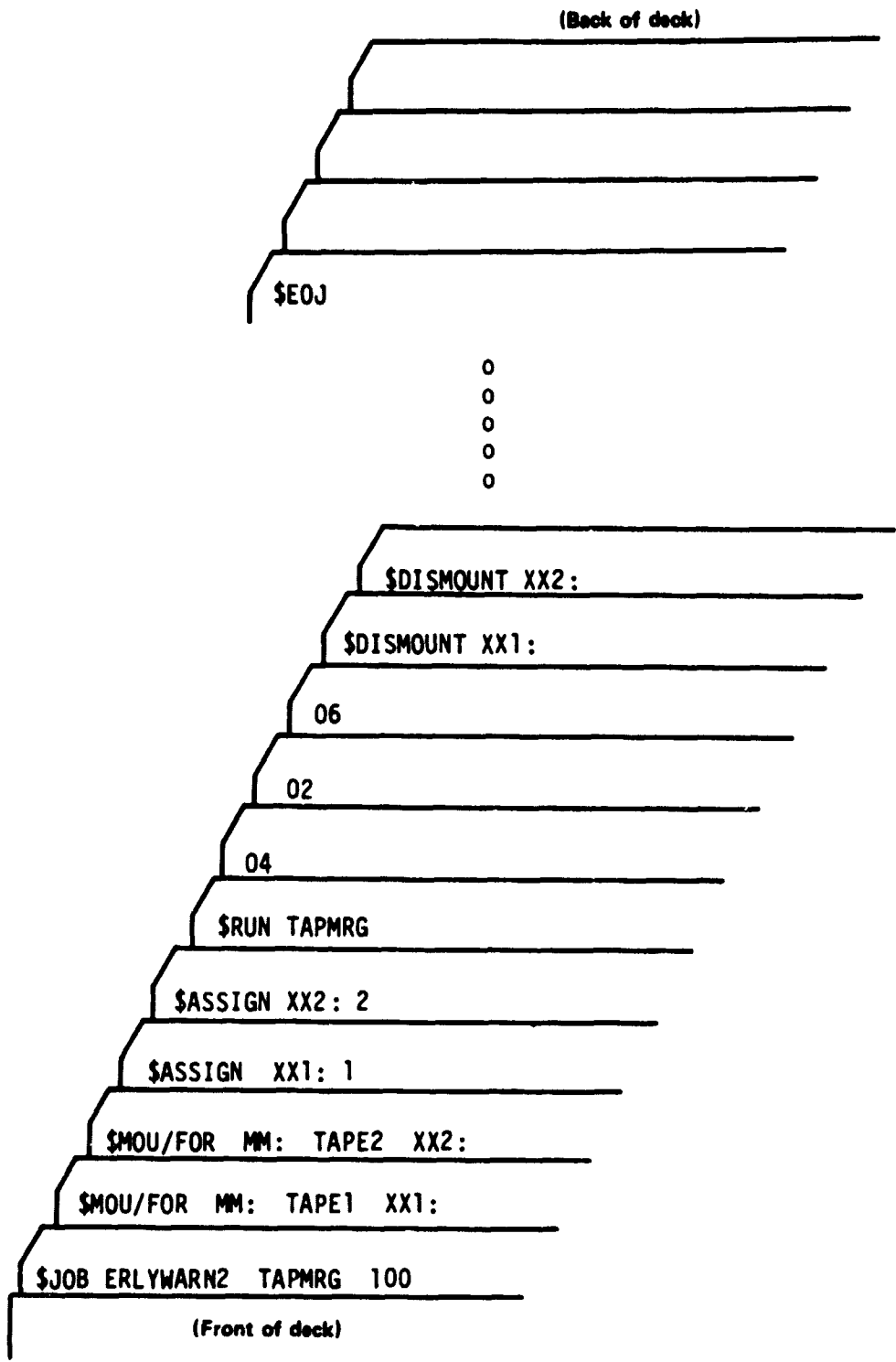on TAPE2).

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(Back of deck)

$EOJ

o
o
o
o
o

$DISMOUNT XX2:

$DISMOUNT XX1:

06

02

04

$RUN TAPMRG

$ASSIGN XX2: 2

$ASSIGN XX1: 1

$MOU/FOR MM: TAPE2 XX2:

$MOU/FOR MM: TAPE1 XX1:

$JOB ERLYWARN2 TAPMRG 100

(Front of deck)

Figure 1

Sample Deck Setup

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4. PROCESSING

## 4.1 INTERACTIVE

Not applicable

4.2 BATCH

The user must submit the deck of cards as described above with a Batch
Job Request form. The request form is as follows:

BATCH JOB REQUEST	NAME: S. O. O'Brien	DATE SUBMITTED 7/24/80
REQUEST INSTRUCTIONS: Please mount TAPE1 with a write ring in it on one drive. Mount TAPE2 on the other drive. Run job.		
COMPLETION DATE	OPERATOR	

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4.3 PROCESSING FLOW
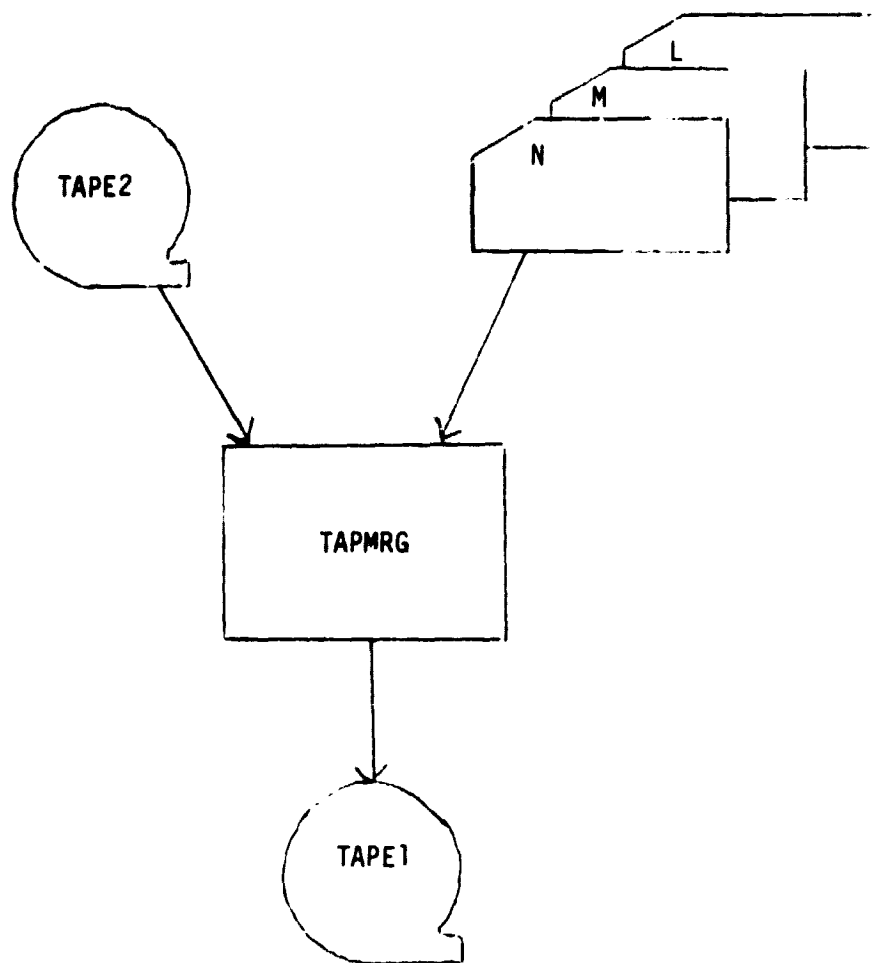
5. OUTPUT

5.1 TYPES OF OUTPUT

5.1.1 TAPE

Foreign tape files with no records in excess of 4000 bytes in length.

5.1.2 DISK

N/A

5.1.3 PAPER

No printer output unless a tape error is encountered and the job is aborted.

6. SPECIAL INSTRUCTIONS OR RESTRICTIONS

None

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