

DATA CENTER OPERATIONS BRANCH

NDS OPERATIONS PROCEDURE MANUAL
NO. P-A007

APPLICATIONS SOFTWARE
13 April 1983

ANNOTATE

SYMBOLIC TITLE: ANNOTATE
PROGRAMMER:

STAT

ADMINISTRATIVE-INTERNAL USE ONLY

ADMINISTRATIVE-INTERNAL USE ONLY

Program ANNOTATE

Date 5 August 1981

APPROVALS

This operations manual has been reviewed and approved by the following persons:

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STAT

7 Dec 81
(date)

8 Dec 81
(date)

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Program ANNOTATE

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SOFTWARE SUMMARY

The UNIVAC 1100 ANNOTATE system generates the commands required to produce plots of point data as specified by user input parameters. The plotter currently available for use with the system is:

- Off-line Calcomp Flatbed Plotter

STAT

Each program run will plot any number of points on up to 10 maps run with Lambert and/or Mercator projections. All plots are labeled, and all points are identified by name. TIC marks appear at the Southwest and Northeast corners of plots up to a scale of 1-1,000,000. WPS plots are bounded by a rectangular border.

OPERATIONAL FLOWCHART

The operational flow of ANNOTATE and its interface with input and output function can be seen in Figure 1.

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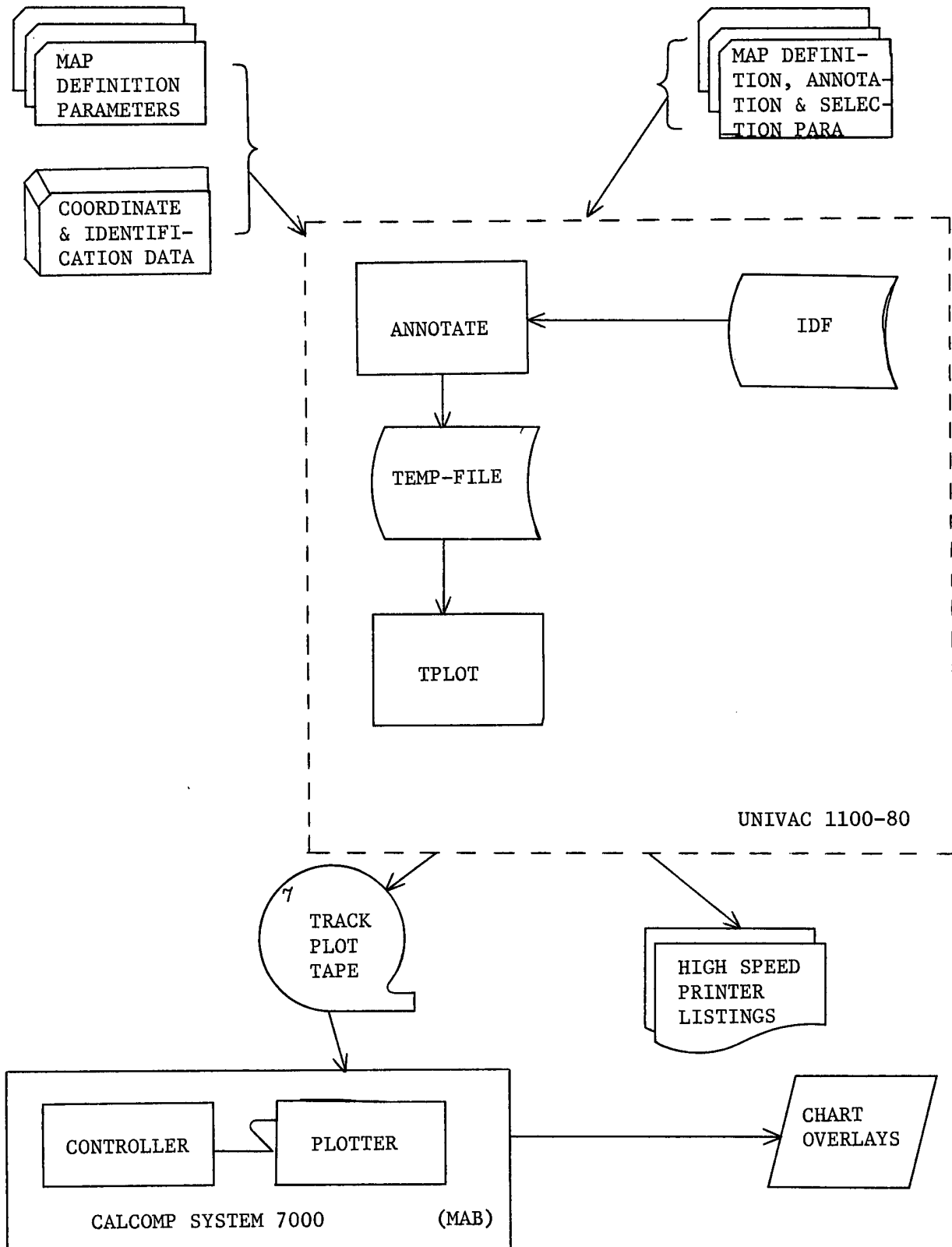


Figure 1. ANNOTATE OPERATIONAL FLOW CHART

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SAMPLE CARD DECK

```

@RUN ANNOT,S33741013/MARION,XQT,20,2000/2000
@ASG,AX XOT*P$ABS.
@COPY,A XOT*P$ABS.ANNOTATE,TPF$.ANNOTATE
@FREE XOT*P$ABS.
@DELETE,C TPLOT-FILE.
@CAT,P TPLOT-FILE.
@ASG,A TPLOT-FILE.
@DELETE,C PRINT-FILE.
@CAT,P PRINT-FILE.
@ASG,A PRINT-FILE.
@XQT TPF$.ANNOTATE
TEST TAPE LABEL

```

***** INSERT USER DATA *****

```

EOF
@TEST TE/0/T3
@JUMP ERROFF
@MSG PLEASE SAVE TAPE AND LISTING
@ASG,AX XOT*P$ABS.
@COPY,A XOT*P$ABS.TPLOT,TPF$.TPLOT
@FREE XOT*P$ABS.
@ASG,TMJ TAPE1.,U,PLOTTP
@XQT TPF$,TPLOT
@MSG TPLOT NORMAL TERMINATION
@JUMP FINISH
@ERROFF:MSG TPLOT ABNORMAL TERMINATION
@MSG RETURN LISTING TO REQUESTER
@FINISH:EOF
@FIN

```

OUTPUT DATA

The ANNOTATE system produces two types of output for every run request, tape and listing.

Magnetic Tape Output

Mode	- 7-track Plot Tape	
	800 BPI	(Density)
	Field Data	(Code)

Reel Label	- Label tape according to instructions on console for ANNOTATE.
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Example: SAVE ANNOTATE TAPE AND LISTING BADGE,
NAME, PHONE

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Disposition - Assemble tape & listing together and send to TSS
for pickup by MAB or OIA personnel.

High-Speed Printer Output

Identification - Listing heading should contain information
that was put on tape label.

Example: BADGE, NAME, PHONE

Disposition - Assemble listing and tape, send to TSS for
pickup by MAB or OIA personnel.

PROGRAM EXECUTION INSTRUCTIONS

Equipment Requirements

Computer Used - UNIVAC 1100/80

Peripheral Devices Required - 7-track tape driver, plot tape,
card-reader, printer

NORMAL RUN INSTRUCTIONS

Message will appear on console prior to tape assignment:

'SAVE TAPE AND LISTING'

'ANNOTATE PLEASE MOUNT 7-TRACK PLOT TAPE'

Initiation

Card input as provided by MAB or OIA personnel. See input data.

@RUN ANNOT,S33741013/MARION,XOT,20,2000/2000
@ASG,AX XOT*P\$ABS.
@COPY,A XOT*P\$ABS.ANNOTATE,TPF\$.ANNOTATE
@FREE XOT*P\$ABS.
@DELETE,C TPLOT-FILE.
@ASG,A TPLOT-FILE.
@DELETE,C PRINT-FILE.
@CAT,F PRINT-FILE.
@ASG,A PRINT-FILE.
@XQT TPF\$.ANNOTATE
TEST TAPE LABEL

} STANDARD
CONTROL
CARDS

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L,MAP SET 1					} VARIABLE USER SUPPLIED DATA
1-500000, 54 30N,21 30E,55N, 50E					
NCAT= AF2,CA1,FZ,BB9					
CATS=40000-50000,85412					
SCOM=55A-55Z,31C,31A,32A					
TCOM=900					
EOM					
WPS-2 , MAP SET 2					
1-18000000 , 38 N, 078 W, 39N, 077W					
385354N 0778213W 6	US		ABC 777 711		
382000N 0770200W 6	US		ABC 777 711		
385300N 0772300W 6	US		ABC 777 711		
385540N 0770100W 6	US	40340	ABC 777 711		
384010N 0770930W 6	US	40100	ABC 777 711		
380000N 0774800W 6	US	42140	ABC 777 711		
381800N 0772507W 6	US		ABC 777 711		
385852N 0771141W 6	US		ABC 777 711		
381934N 0770135W 6	US		ABC 777 711		
383544N 0771529W 6	US		ABC 777 711		
383530N 0771803W 6	US	22000	ABC 777 711		
EOM					

@EOF
 @TEST TE/0/T3
 @JUMP ERROFF
 @MSG PLEASE SAVE TAPE AND LISTING
 @ASG,AX XOT*P\$ABS.
 @COPY,A XOT*P\$ABS.TPLOT,TPF\$.TPLOT
 @FREE XOT*P\$ABS.
 @ASG,TMJ TAPE1.,U,PLOTP
 @XQT TPF\$.TPLOT
 @MSG TPLOT NORMAL TERMINATION
 @JUMP FINISH
 @ERROFF:MSG TPLOT ABNORMAL TERMINATION
 @MSG RETURN LISTING TO REQUESTER
 @FINISH:EOF
 @FIN

} STANDARD
 CONTROL
 CARDS

ABNORMAL RUN INSTRUCTIONS

The NDS-IDF Data Base File is used as the input data file, read only.
 No data file updates are performed. Any terminated run should not cause any unrecoverable file problems. At the operator's discretion, either run the job again or save any output printer listings for the user and let him correct the input runstream if practical and rerun it at some later date.

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