

SDWTERR MSET  
BRU

```

*      *EXECUTE
SGO    LDA
GET10  STA      GE
      SBRM     GIFA          READ INPUT FILE NAME
      SBRM     OKTOGO
GET10A BAC
      SKE      =1           CHECK FILE TYPE IS CORE-IMAGE
      BRU      GET9+1
      SKN GETPL; BRU *+3; LDA =PRGRL1; SBRM CKRLB
      SBRM     RSYS
      LDA      INFIL1
      LDX      =PRGRL1
      SBRM     GET          READ FILE INTO PRGRM MEMORY
      BRU      DRDERR
      CLA
      STA      INFIL1
      SKN     GETPL1
      BRU     CRA          EXIT HERE IF 'PLACE'
GET8   SBRM     EXECRL1
      LDA     GETSTL1      SET PANIC TABLE FOR FORK
      MRG     =40100000B
      STA     SSL1
      LDP     PRGRL1
      STP     SSR1
      LDA     GET9
      SKN     CPARW
      BRU     *+2
      MRG     X4           START AS EXECUTIVE
      BRS     9           START UP RECOVERED FILE
      BRS     31
      LDP     SSR1        UPDATE PRGRL1 AND RETURN FOR NEXT COMMAND
      STP     PRGRL1
      LDA     SSL1
      STA     EXECL1
      BRU     EXECPL
GET9   NOP      SSL; 3
      MSET    XM6
      BRU     ERRET+2

```

\* 'DEFINE'  
\* SETS UFD STATUSES

\$STFD SBRM FDFNA  
BRU ERRET  
MSET M69  
SBRM DCHAR3  
BRU ERRET  
LDX UNPTR  
SKE PRI  
BRU ST1  
LDA 1,2  
ETR =37777777B  
STA 1,2  
CBA ; SKE COMCH; BRU ST5  
SBRM DCHAR3  
BRU ERRET  
SKE REA  
BRU ERRET  
BRS 46  
LDX UNPTR  
LDA X4  
ST4 MRG 1,2  
STA 1,2  
LDA X4  
MRG 0,2  
STA 0,2  
BRU UPFD  
ST1 XAB  
SKE COMCH; BRU \*\*2  
BRU ERRET  
COPY BA,B  
SKE ACC  
BRU ST3  
ST2 BRS 46  
XAB  
XMA 2,2  
ETR =67777777B  
ADM 2,2  
LDA 0,2  
ETR =37777777B  
STA 0,2  
LDA X4  
MRG 1,2  
STA 1,2  
BRU UPFD  
ST3 SKE PUB  
BRU ERRET  
LDB X1  
BRU ST2  
ST5 BRS 46; CLA ; BRU ST4

\* 'PLACE'  
\$PLACE CLA  
BRU GET10

```

*      'BRANCH'
SBRANCH SBRM  RONO
      XAB
      SKE      OKCH
      BRU      ERRET
$GOTO1  STB    GETSTL
      BRU      GET8

```

```

*      'SAVE'
$SAVE  SBRM  RONO      READ CORE BOUNDS
      STA  SAVEFL
      MSET M50
      SBRM RONO
      STA  SAVELL
      CBA
      MSET M16
      LDA  SAVELL      READ O/P FILE NAME AND OPEN FILE OF TYPE
      SUB  SAVEFL
      ADD  =1
      LDB  =1
      SBRM GOFN
      CBA ; SKE COMCH; BRU SAVE2
      MSET M3
      SBRM RONO      ... READ STARTING LOCATION
      BRU  *+2
SAVE2  LDA  =240B
      STA  SAVESL
      CBA ; SKE OKCH ; BRU ERRET
      LDA  SAVEFL      WRITE OUT CORE BOUNDS AND STARTING LOCATIO
      STA  GET2
      WIO  OUTFIL
      LDA  SAVELL
      STA  GET3
      WIO  OUTFIL
      LDA  SAVESL
      WIO  OUTFIL
      LDA  =PRGRL      SET UP DATA FOR GBIO, PERFORM INFORMN. TRS
      STA  GET5
      LDX  =GET2
      LDA  OUTFIL
      SBRM GBIO
      BRU  SAVE1
      BRU  OUTEX
SAVE1  MSET M10
      BRU  OUTEX

```

```
*      'DUMP'  
SDUMP  SBRM   EXECRL1      (UPDATE EXRL)  
        CLA  
        STA    TLV1  
        LDA    =NCMEM  
DUMP10  ADD    =1  
        SKG    =77B  
        BRU    DUMP11  
        LDA    TLV1  
        CLB  
        LSH    11  
        LDB    =4  
        SBRM   GOFN  
        LDA    OUTFIL  
        SBRM   BRS95  
        BRU    SAVE1  
        BRU    OUTEX  
DUMP11  BRS 39; BRU DUMP10; MIN TLV1  
        BRU    DUMP10
```

```
*      'RECOVER'  
SREC   SBRM   GIFN  
        CBA  
        SKE    =4  
        BRU    ERRET  
        SBRM   OKTOGO  
        SBRM   KILL6  
        LDA    INFIL  
        SBRM   BRS96  
        BRU    DRDERR  
        BRU    CLOSE
```

\* 'RESTART'  
\* RESTARTS A USER AFTER ACCIDENTAL DISCONNECT

```
SRESOMP LDA =4000000B  
SKA CPARW LOOK FOR RESTART STATUS  
BRU *+2  
BRU ERRET  
EAX UFDE  
LDA -7,2  
SKG =0  
BRU RDMPM  
STA GET2  
BRS 46  
SBRM KILL6  
CLA  
XMA* DBAJOB  
STA TLV1  
LDA GET2  
LDX =8  
BRS 1  
BRU RESDP1  
SBRM BRS96 RECOVER RESTART FILE  
BRU RESDP1  
CLA  
XMA INFIL  
BRS 2  
LDA GET2  
LDX =9  
BRS 1  
BRU RESDP1  
BRS 66  
BRS 2  
LDA GET2  
BRS 67  
CLAB  
EAX UFDE  
STP -8,2  
LDA TLV1  
ADM* DBAJOB  
BRU CLOSE  
RDMPM MSET M63 'RESTART MISSING'  
BRU ERRET+2  
RESDP1 LDA TLV1  
ADM* DBAJOB  
BRU DRDERR
```

\* 'TIMES'  
 \* PRINTS ELAPSED TIMES SINCE BEG OF ACCT PER.

\$TIMES SBRM MFD  
 LDA UREAL1  
 SBRM GETTIM  
 SBRM HOUR  
 MSET M4  
 LDA UREAL1  
 SBRM DAYTIM  
 MSET M40  
 SBRM CHAR3  
 BRU CRA  
 SKE YES  
 BRU CRA  
 MSET M49  
 LDX =UFDE  
 LDP -3,2  
 COPY AB,BA  
 SBRM HOUR  
 MSET M48  
 LDX =UFDE  
 LDA -6,2  
 MULI =255  
 LSH 23  
 SBRM PDNO  
 MSET M21  
 BRU CRA

\$SETDAT SBRM EXEUSE; SBRM SDAT; BRU CRA

\$FIND SBRM NMVF  
 LDA XWR8  
 LDX =NTTB  
 FIND1 XXA  
 SKE =0  
 BRU FIND4  
 MSET M30  
 BRU CRA  
 FIND4 XXA  
 EAX -1,2  
 SKE WERIS,2  
 BRU FIND1  
 STX DEL2  
 STA DEL3  
 MSET M5  
 FIND2 LDA DEL2  
 SBRM PDNO  
 FIND3 LDA DEL2  
 SKE =0  
 BRU \*+2  
 BRU CRA  
 SUB =1  
 STA DEL2  
 CAX  
 LDA WERIS,2  
 SKE DEL3  
 BRU FIND3  
 LDA COMCH  
 CIO COUT  
 BRU FIND2

```

* 'STATUS'
SMA LDA PRGRL1; MRG PRGRL2; SKE =0; BRU **2
BRU MA2; MSET M21; EAX PRGRL1; SBRM PRMA
MA2 SKN SYSTL; BRU **2; BRU CRA; MSET M21
SBRM PSCN; CLA ; CIO COUT; EAX SSRL; SBRM PRMA; BRU CRA

```

\* 'DISC ALLOCATION'

```

SMA1 SBRM MFD
MSET M27
EAX UFDE
LDP -6,2
STP UNPTR
LDA -4,2
MULI =255
LSH 23
SBRM PDNO
MSET M36
LDA UNPTR
MULI =255
LSH 23
SBRM PDNO
MSET M54
LDA UNPTR1
MULI =255
LSH 23
SBRM PDNO
BRU CRA

```

```

PRMA ZRO PRMA1; STX DEL2; LDX --8
PRMA5 STX DEL3; LDA DEL2; SBRM ERB; SKG =0
BRU PRMA4; SBRM PONO
PRMA3 LDB SLSSHCH; LDA DEL3; SKE --5; CLB ; CBA ; CIO COUT
LDX DEL3; BRX PRMA5; BRR* PRMA
PRMA4 LDA MINCH; CIO COUT; BRU PRMA3

```

\* DATE

```

SDATE LDA REAL;
SBRM DAYTIM
BRU CRA

```

```

SWHO LDA --1 ; STA RLV2
WHO1 MIN RLV2; LDA RLV2 ; SKG =NTTB-1
BRU **2 ; BRU CRA
CAX; LDA AUNN,2; SKE =0; BRU **2; BRU WHO1
SBRM OUTUSE USER NAME
MSET M5; LDA RLV2 ; SBRM PDNO LINE NO.
MSET M21; BRU WHO1

```

\* 'ACCEPT LINKS'

```

SAM LDX --1
LDA =2
BRS 25
BRU CRA

```

\* 'REFUSE LINKS'  
SRM LDX ==1  
CLA  
BRS 25  
BRU CRA

\* 'LINK'

SML1 SBRM RDNO; XAB; SKE OKCH; BRU ABORT  
ML1 BRS 46; CBA; BRS 23; BRU MLR  
MIN NLNK  
MSET M21; LDX UTTY; SBRM OUTUSE; MSET M5  
LDA UTTY; SBRM PDNO; MSET M70; BRU CRA

MLR SKA =77777700B  
BRU MLR1  
MSET M11 'BUSY'  
BRU CRA

MLR1 SKA =60000000B  
BRU MLR2  
MSET M14  
BRU AM

MLR2 MSET M13  
BRU CRA

\* LINKS USER TO OPERATOR

SCSHARE LDA OPR  
LDX REAL1  
STX LGTM (TS-BLOCK)  
BRU ML1

\* ''''  
SQT CIO CIN  
SKE EOTCH  
BRU \*+2  
BRU CRA  
SKE CRCH  
BRU QT  
LDA LINF  
CIO COUT  
BRU QT