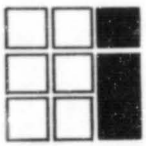

INTERMETRICS

3322 S. MEMORIAL PKWY. • HUNTSVILLE, AL 35801

SEPAC FLIGHT SOFTWARE PROGRAM LISTING

IR-AL-002

30 APRIL 1982

VOLUME II

HASP-4.0*PRINTER1.....START JOB 157.....1.47.02 PM 14 OCT 81...WED...BIN A09 ...N0003340...IHEF3642055OHINTZE.....HASP-4.0*PRINTER1

SEPAC SOFTWARE-VERSION 3

H A S P J O B L O G

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$13.29.01 JOB   157 -- N0003340 -- BEGINNING EXEC - INIT 6 - CLASS A
 13.29.24 JOB   157 IEF233A M 282,IM007 ,,N0003340,SFSA01
 13.38.08 JOB   157 IEF234C P 282,IM007,N0003340
 13.39.03 JOB   157 IEF233A M 285,IMCC7 ,,N0003340,HICASM
 13.45.49 JOB   157 IEF234E R 285,IMCC7,N0003340
 13.45.49 JOB   157 IEF233A M 295,MINIOL,,N0003340,LOADER
 13.46.55 JOB   157 IEF280E K 285,MINIC1,N0003340,COPY
$13.47.02 JOB   157 N0C03340 ENDED

---- HASP-II JOB STATISTICS ----

        94 CARDS READ

    21,325 SYSOUT PRINT RECORDS

         0 SYSOUT PUNCH RECORDS

     18.02 MINUTES EXECUTION TIME
```


```
//N0003340 JOB (,                                                    JOB  157
// A09,3,35),THEF36420550HINTZE,MSGLEVEL=(1,1),REGION=256K,
// TIME=3                          ***GENERATED BY FASP***
//SFSACL EXEC PGM=PLLTASM,PARM='NODECK,LOAD'
//STEPLIB  DD  UNIT=DISK,VOL=SER=S4PROG,DISP=SHR,DSN=SSESLIB
//   DD  UNIT=DISK,VOL=SER=S4PROG,DISP=SHR,DSN=NSSCII.DELL.ASMLMOD
//SYSLIB   DD  DISP=SHR,DSN=SYS1.MACLIB
//SYSPRINT DD  SYSOUT=A
//SYSUT1   DD  UNIT=DISK,DSN=&&SYSUT1,SPACE=(1700,(400,50)),
//   SEP=(SYSLIB)
//SYSUT2   DD  UNIT=DISK,DSN=&&SYSUT2,SPACE=(1700,(400,50))
//SYSUT3   DD  UNIT=DISK,DSN=&&SYSUT3,SPACE=(1700,(400,50))
//SYSPUNCH  DD  SYSOUT=B
//SYSGO   DD UNIT=DISK,DSN=&&SYSLIN,DISP=(MOD,PASS),
//   SPACE=(800,(100,20)),
//   DCB=(RECFM=FB,LRECL=80,BLKSIZE=800)
//SYSIN   DD  UNIT=DISK,DSN=&&SYSIN,DISP=(NEW,DELETE),
//   SPACE=(800,(100,10)),
//   DCB=(RECFM=FB,LRECL=80,BLKSIZE=800)
//SOURCEIN DD UNIT=TAPE9,DSN=&&TAPE,DISP=(OLD,PASS),
// VOL=(PRIVATE,RETAIN,SER=IM007),LABEL=(1,BLP,,IN),
// DCB=(RECFM=FB,LRECL=80,BLKSIZE=80,DEN=2,OPTCD=Q)
IEF236I ALLOC. FOR N0003340 SFSA01
IEF237I 136   ALLOCATED TO STEPLIB
IEF237I 136   ALLOCATED TO
IEF237I 13C   ALLOCATED TO SYSLIB
IEF237I 478   ALLOCATED TO SYSPRINT
IEF237I 153   ALLOCATED TO SYSUT1
IEF237I 154   ALLOCATED TO SYSUT2
IEF237I 155   ALLOCATED TO SYSUT3
IEF237I 481   ALLOCATED TO SYSPUNCH
IEF237I 131   ALLOCATED TO SYSGO
IEF237I 132   ALLOCATED TO SYSIN
IEF237I 282   ALLOCATED TO SOURCEIN
IEF142I - STEP WAS EXECUTED - COND CODE 0012
IEF285I   SSESLIB                                KEPT
IEF285I   VOL SER NOS= S4PROG.
IEF285I   NSSCII.DELL.ASMLMOD                    KEPT
IEF285I   VOL SER NOS= S4PROG.
IEF285I   SYS1.MACLIB                            KEPT
IEF285I   VOL SER NOS= NASA01.
IEF285I   SYS81287.T132901.RV000.N0003340.SYSUT1      DELETED
IEF285I   VOL SER NOS= DUMMY2.
IEF285I   SYS81287.T132901.RV000.N0003340.SYSUT2      DELETED
IEF285I   VOL SER NOS= CSC004.
IEF285I   SYS81287.T132901.RV000.N0003340.SYSUT3      DELETED
IEF285I   VOL SER NOS= WORK10.
IEF285I   SYS81287.T132901.RV000.N0003340.SYSLIN      PASSED
IEF285I   VOL SER NOS= WORK04.
IEF285I   SYS81287.T132901.RV000.N0003340.SYSIN       DELETED
IEF285I   VOL SER NOS= WORK07.
IEF285I   SYS81287.T132901.RV000.N0003340.TAPE        PASSED
IEF285I   VOL SER NOS= IM007 .
IEF373I STEP /SFSA01  / START 81287.1329
IEF374I STEP /SFSA01  / STOP  81287.1337 CPU    0MIN 51.325SEC MAIN 256K CC=  12
//IOMTAB EXEC HTCASM,PARM='NODECK,LOAD'
XXHTCASM PROC
XXHTCASM  EXEC  PGM=ILUASM,PARM='LOAD,NODECK',REGION=70K                00000020
XXSYSABEND  DD SYSOUT=A,SPACE=(1132,(300,300)),UNIT=(SYSOUT,2)          X0000030
XXSYSPRINT  DD  SYSOUT=A,DCB=(RECFM=FBM,LRECL=121,BLKSIZE=3509),        X0000040
XX             UNIT=(SYSOUT,2),SPACE=(3509,(100,100))                   00000050
```

```
XXSYSLIB    DD DSNAME=SYS1.MACLIB,DISP=(SHR,PASS)                          0000
//SYSGO DD UNIT=DISK,DSN=&&SYSLIN,DISP=(MOD,PASS),
//   SPACE=(800,(100,20)),
//   DCB=(RECFM=FB,LRECL=80,BLKSIZE=800)
X/SYSGO     DD DSNAME=&&SYSLIN,DISP=(MOD,PASS),SPACE=(3200,(25,25)),    X0000070
XX             DCB=(RECFM=FB,LRECL=80,BLKSIZE=3200),                    X0000080
XX             UNIT=SYSDA,VOLUME=(,RETAIN)                               0000090
XXSYSUT1    DD UNIT=SYSDA,SPACE=(3520,(400)),DSN=&&SYSUT1                0000010
XXSYSUT2    DD UNIT=SYSDA,SPACE=(3520,(400)),DSN=&&SYSUT2                0000011
XXSYSUT3    DD UNIT=SYSDA,SPACE=(3520,(400)),DSN=&&SYSUT3                0000012
XXSYSPUNCH  DD SYSOUT=B,DCB=(RECFM=FB,LRECL=80,BLKSIZE=3520),            X0000130
XX             SPACE=(3520,(10,10)),UNIT=(SYSOUT,2)                      0000140
XXSTEPLIB  DD DSN=NSSCII.DELI.ASMLMOD,DISP=SHR,UNIT=3330,VOL=SER=S4PROG  0000150
//SYSIN DD UNIT=TAPE9,DSN=&&TAPE,DISP=(OLD,PASS),
// VOL=REF=*.SFSAO1.SOURCEIN,DCB=*.SFSA01.SOURCEIN,LABEL=(3,BLP,,IN)
IEF236I ALLOC. FOR N0003340 HTCASM   FCNTAB
IEF237I 478   ALLOCATED TO SYSABEND
IEF237I 479   ALLOCATED TO SYSPRINT
IEF237I 130   ALLOCATED TO SYSLIB
IEF237I 131   ALLOCATED TO SYSGO
IEF237I 153   ALLOCATED TO SYSUT1
IEF237I 154   ALLOCATED TO SYSUT2
IEF237I 155   ALLOCATED TO SYSUT3
IEF237I 481   ALLOCATED TO SYSPUNCH
IEF237I 136   ALLOCATED TO STEPLIB
IEF237I 282   ALLOCATED TO SYSIN
IEF142I - STEP WAS EXECUTED - COND CODE 0000
IEF285I   SYS1.MACLIB                                  PASSED
IEF285I   VOL SER NOS= NASA01.
IEF285I   SYS81287.T132901.RV000.N0003340.SYSLIN       PASSED
IEF285I   VOL SER NOS= WORK04.
IEF285I   SYS81287.T132901.RV000.N0003340.SYSUT1       DELETED
IEF285I   VOL SER NOS= DUMMY2.
IEF285I   SYS81287.T132901.RV000.N0003340.SYSUT2       DELETED
IEF285I   VOL SER NOS= CSC004.
IEF285I   SYS81287.T132901.RV000.N0003340.SYSUT3       DELETED
IEF285I   VOL SER NOS= WORK10.
IEF285I   NSSCII.DELI.ASMLMOD                          KEPT
IEF285I   VOL SER NOS= S4PROG.
IEF285I   SYS81287.T132901.RV000.N0003340.TAPE         PASSED
IEF285I   VOL SER NOS= IM007 .
IEF373I STEP /HTCASM  / START 81287.1337
IEF374I STEP /HTCASM  / STOP  81287.1338 CPU   0MIN 02.04SEC MAIN 256K CC=    0
//FOTAB  EXEC HTCASM,PARM='NODECK,LOAD'
XXHTCASM PROC
XXHTCASM  EXEC  PGM=IEUASM,PARM='LOAD,NODECK',REGION=78K                 0000020
XXSYSABEND  DD SYSOUT=A,SPACE=(1632,(30C,300)),UNIT=(SYSCUT,2)           C0000030
XXSYSPRINT  DD  SYSOUT=A,DCB=(RECFM=FBM,LRECL=121,BLKSIZE=3509),         X0000040
XX             UNIT=(SYSOUT,2),SPACE=(3509,(100,100))                    0000050
XXSYSLIB    DD DSNAME=SYS1.MACLIB,DISP=(SHR,PASS)                          0000
//SYSGO DD UNIT=DISK,DSN=&&SYSLIN,DISP=(MOD,PASS),
//   SPACE=(800,(100,20)),
//   DCB=(RECFM=FB,LRECL=80,BLKSIZE=800)
X/SYSGO     DD DSNAME=&&SYSLIN,DISP=(MOD,PASS),SPACE=(3200,(25,25)),    X0000070
XX             DCB=(RECFM=FB,LRECL=80,BLKSIZE=3200),                    X0000080
XX             UNIT=SYSDA,VOLUME=(,RETAIN)                               0000090
XXSYSUT1    DD UNIT=SYSDA,SPACE=(3520,(400)),DSN=&&SYSUT1                0000010
XXSYSUT2    DD UNIT=SYSDA,SPACE=(3520,(400)),DSN=&&SYSUT2                0000011
XXSYSUT3    DD UNIT=SYSDA,SPACE=(3520,(400)),DSN=&&SYSUT3                0000012
XXSYSPUNCH  DD SYSOUT=B,DCB=(RECFM=FB,LRECL=80,BLKSIZE=3520),            X0000130
```

```
XXSTEPLIB  DD DSN=NSSCII.DELL.ASMLMOD,DISP=SHR,UNIT=3330,VOL=SER=S4PROG 00000150
//SYSIN DD UNIT=TAPE9,DSN=&&TAPE,DISP=(CLD,PASS),
// VOL=REF=*.SFSAO1.SOURCEIN,DCB=*.SFSAO1.SOURCEIN,LABEL=(4,BLP,,IN)
IEF236I ALLOC. FOR NOOC3340 HTCASM   PCFTAB
IEF237I 478   ALLOCATED TO SYSABEND
IEF237I 479   ALLOCATED TO SYSPRINT
IEF237I 130   ALLOCATED TO SYSLIB
IEF237I 131   ALLOCATED TO SYSGO
IEF237I 153   ALLOCATED TO SYSUT1
IEF237I 154   ALLOCATED TO SYSUT2
IEF237I 155   ALLOCATED TO SYSUT3
IEF237I 481   ALLOCATED TO SYSPUNCH
IEF237I 134   ALLOCATED TO STEPLIB
IEF237I 285   ALLOCATED TO SYSIN
IEF142I - STEP WAS EXECUTED - COND CODE 0000
IEF285I   SYS1.MACLIB                                  PASSED
IEF285I   VOL SER NOS= NASAO1.
IEF285I   SYS81287.T132901.RV000.NOOC3340.SYSLIN       PASSED
IEF285I   VOL SER NOS= WORK04.
IEF285I   SYS81287.T132901.RV000.NOOO3340.SYSUT1       DELETED
IEF285I   VOL SER NOS= DUMMY2.
IEF285I   SYS81287.T132901.RV000.NOOO3340.SYSUT2       DELETED
IEF285I   VOL SER NOS= CSC004.
IEF285I   SYS81287.T132901.RV000.NOOO3340.SYSUT3       DELETED
IEF285I   VOL SER NOS= WORK10.
IEF285I   NSSCII.DELL.ASMLMOD                          KEPT
IEF285I   VOL SER NOS= S4PROG.
IEF285I   SYS81287.T132901.RV000.NOOC3340.TAPE         PASSED
IEF285I   VOL SER NOS= IN007 .
IEF373I STEP /HTCASM  / START 81287.1338
IEF374I STEP /HTCASM  / STOP  81287.1340 CPU   0MIN 04.35SEC MAIN 256K CC=   0
//PCFTAB EXEC HTCASM,PARM='NODECK,LOAD'
XXHTCASM PROC
XXHTCASM  EXEC  PGM=IEUASM,PARM='LOAD,NODECK',REGION=78K                00000020
XXSYSABEND  DD SYSOUT=A,SPACE=(1632,(300,300)),UNIT=(SYSOUT,2)          00000030
XXSYSPRINT  DD  SYSOUT=A,DCB=(RECFM=FBM,LRECL=121,BLKSIZE=3509),        X0000040
XX              UNIT=(SYSOUT,2),SPACE=(3509,(100,100))                  00000050
XXSYSLIB    DD DSNAME=SYS1.MACLIB,DISP=(SHR,PASS)                       0000
//SYSGO DD UNIT=DISK,DSN=&&SYSLIN,DISP=(MOD,PASS),
//   SPACE=(80C,(1CO,20)),
//   DCB=(RECFM=FB,LRECL=80,BLKSIZE=800)
X/SYSGO     DD DSNAME=&&SYSLIN,DISP=(MOD,PASS),SPACE=(3200,(25,25)),    X0000007J
XX              DCB=(RECFM=FB,LRECL=80,BLKSIZE=3200),                   X0000080
XX              UNIT=SYSDA,VOLUME=(,RETAIN)                             0000009
XXSYSUT1    DD UNIT=SYSDA,SPACE=(3520,(400)),DSN=&&SYSUT1               0000010
XXSYSUT2    DD UNIT=SYSDA,SPACE=(3520,(400)),DSN=&&SYSUT2               0000011
XXSYSUT3    DD UNIT=SYSDA,SPACE=(3520,(400)),DSN=&&SYSUT3               0000012
XXSYSPUNCH  DD SYSOUT=B,DCB=(RECFM=FB,LRECL=80,BLKSIZE=3520),           X0000130
XX              SPACE=(3520,(10,10)),UNIT=(SYSOUT,2)                    0000140
XXSTEPLIB  DD DSN=NSSCII.DELL.ASMLMOD,DISP=SHR,UNIT=3330,VOL=SER=S4PROG 0000150
//SYSIN DD UNIT=TAPE9,DSN=&&TAPE,DISP=(CLD,PASS),
// VOL=REF=*.SFSAO1.SOURCEIN,DCB=*.SFSAO1.SOURCEIN,LABEL=(5,BLP,,IN)
IEF236I ALLOC. FOR NOOC3340 HTCASM   PCFTAB
IEF237I 478   ALLOCATED TO SYSABEND
IEF237I 479   ALLOCATED TO SYSPRINT
IEF237I 130   ALLOCATED TO SYSLIB
IEF237I 131   ALLOCATED TO SYSGO
IEF237I 153   ALLOCATED TO SYSUT1
IEF237I 154   ALLOCATED TO SYSUT2
IEF237I 155   ALLOCATED TO SYSUT3
IEF237I 481   ALLOCATED TO SYSPUNCH
```

```
IEF237I 136   ALLOCATED TO STEPLIB
IEF237I 285   ALLOCATED TO SYSIN
IEF142I - STEP WAS EXECUTED - COND CODE 0000
IEF285I   SYS1.MACLIB                                  PASSED
IEF285I   VOL SER NOS= NASA01.
IEF285I   SYS81287.T132901.RV000.N0003340.SYSLIN       PASSED
IEF285I   VOL SER NOS= WORK04.
IEF285I   SYS81287.T132901.RV000.N0003340.SYSUT1       DELETED
IEF285I   VOL SER NOS= DUMMY2.
IEF285I   SYS81287.T132901.RV000.N0003340.SYSUT2       DELETED
IEF285I   VOL SER NOS= CSC004.
IEF285I   SYS81287.T132901.RV000.N0003340.SYSUT3       DELETED
IEF285I   VOL SER NOS= WORK10.
IEF285I   NSSCII.DELI.ASMLMOD                          KEPT
IEF285I   VOL SER NOS= S4PROG.
IEF285I   SYS81287.T132901.RV000.N0003340.TAPE         PASSED
IEF285I   VOL SER NOS= IM007 .
IEF373I STEP /HTCASM  / START 81287.1340
IEF374I STEP /HTCASM  / STOP  81287.1340 CPU   0MIN 07.09SEC MAIN 256K CC=    0
//COMTAB EXEC HTCASM,PARM='NODECK,LOAD'
XXHTCASM PROC
XXHTCASM  EXEC  PGM=IEUASM,PARM='LOAD,NODECK',REGION=78K                00000020
XXSYSABEND  DD SYSOUT=A,SPACE=(1632,(300,300)),UNIT=(SYSOUT,2)          00000030
XXSYSPRINT  DD  SYSOUT=A,DCB=(RECFM=FBM,LRECL=121,BLKSIZE=3509),        X00000040
XX            UNIT=(SYSOUT,2),SPACE=(3509,(100,100))                    00000050
XXSYSLIB    DD DSNAME=SYS1.MACLIB,DISP=(SHR,PASS)                       0000
//SYSGO DD UNIT=DISK,DSN=&&SYSLIN,DISP=(MOD,PASS),
//  SPACE=(800,(100,20)),
//  DCB=(RECFM=FB,LRECL=80,BLKSIZE=800)
X/SYSGO     DD DSNAME=&&SYSLIN,DISP=(MOD,PASS),SPACE=(3200,(25,25)),    X00000070
XX            DCB=(RECFM=FB,LRECL=80,BLKSIZE=3200),                     X00000080
XX            UNIT=SYSDA,VOLUME=(,RETAIN)                               0000009
XXSYSUT1    DD UNIT=SYSDA,SPACE=(352C,(400)),DSN=&&SYSUT1               0000010
XXSYSUT2    DD UNIT=SYSDA,SPACE=(3520,(400)),DSN=&&SYSUT2               0000011
XXSYSUT3    DD UNIT=SYSDA,SPACE=(3520,(400)),DSN=&&SYSUT3               0000012
XXSYSPUNCH  DD  SYSOUT=B,DCB=(RECFM=FB,LRECL=80,BLKSIZE=3520),          X00000130
XX            SPACE=(3520,(10,10)),UNIT=(SYSOUT,2)                      00000140
XXSTEPLIB   DD DSN=NSSCII.DELI.ASMLMOD,DISP=SHR,UNIT=3330,VOL=SER=S4PROG 00000150
//SYSIN DD UNIT=TAPE9,DSN=&&TAPE,DISP=(OLD,PASS),
// VOL=REF=*.SFSA01.SOURCEIN,DCB=*.SFSA01.SOURCEIN,LABEL=(6,BLP,,IN)
IEF236I ALLOC. FOR N0003340 HTCASM   COMTAB
IEF237I 478   ALLOCATED TO SYSABEND
IEF237I 479   ALLOCATED TO SYSPRINT
IEF237I 130   ALLOCATED TO SYSLIB
IEF237I 131   ALLOCATED TO SYSGO
IEF237I 153   ALLOCATED TO SYSUT1
IEF237I 154   ALLOCATED TO SYSUT2
IEF237I 155   ALLOCATED TO SYSUT3
IEF237I 481   ALLOCATED TO SYSPUNCH
IEF237I 136   ALLOCATED TO STEPLIB
IEF237I 285   ALLOCATED TO SYSIN
IEF142I - STEP WAS EXECUTED - COND CODE 0000
IEF285I   SYS1.MACLIB                                  PASSED
IEF285I   VOL SER NOS= NASA01.
IEF285I   SYS81287.T132901.RV000.N0003340.SYSLIN       PASSED
IEF285I   VOL SER NOS= WORK04.
IEF285I   SYS81287.T132901.RV000.N0003340.SYSUT1       DELETED
IEF285I   VOL SER NOS= DUMMY2.
IEF285I   SYS81287.T132901.RV000.N0003340.SYSUT2       DELETED
IEF285I   VOL SER NOS= CSC004.
IEF285I   SYS81287.T132901.RV000.N0003340.SYSUT3       DELETED
```

```
IEF285I   VOL SER NOS= WORK10.
IEF285I   NSSCII.DELI.ASMLMOD                          KEPT
IEF285I   VOL SER NOS= S4PROG.
IEF285I   SYS81287.T132901.RV000.N0003340.TAPE         PASSED
IEF285I   VOL SER NOS= IN007 .
IEF373I STEP /HTCASM  / START 81287.1340
IEF374I STEP /HTCASM  / STOP  81287.1340 CPU    0MIN 01.32SEC MAIN 256K CC=    0
//HEXTAB EXEC HTCASM,PARM='NODECK,LOAD'
XXHTCASM PROC
XXHTCASM  EXEC  PGM=IEUASM,PARM='LOAD,NODECK',REGION=70K                    00000020
XXSYSABEND  DD  SYSOUT=A,SPACE=(1632,(300,300)),UNIT=(SYSOUT,2)             00000030
XXSYSPRINT  DD  SYSOUT=A,DCB=(RECFM=FBM,LRECL=121,BLKSIZE=3509),            X0000040
XX              UNIT=(SYSOUT,2),SPACE=(3509,(100,100))                      00000050
XXSYSLIB    DD  DSNAME=SYS1.MACLIB,DISP=(SHR,PASS)                          0000
//SYSGO DD UNIT=DISK,DSN=&&SYSLIN,DISP=(MOD,PASS),
//  SPACE=(800,(100,20)),
//  DCB=(RECFM=FB,LRECL=80,BLKSIZE=800)
X/SYSGO     DD  DSNAME=&&SYSLIN,DISP=(MOD,PASS),SPACE=(3200,(25,25)),       X0000070
XX              DCB=(RECFM=FB,LRECL=80,BLKSIZE=3200),                       X0000080
XX              UNIT=SYSDA,VOLUME=(,RETAIN)                                 0000009
XXSYSUT1    DD  UNIT=SYSDA,SPACE=(3520,(400)),DSN=&&SYSUT1                  0000010
XXSYSUT2    DD  UNIT=SYSDA,SPACE=(3520,(400)),DSN=&&SYSUT2                  0000011
XXSYSUT3    DD  UNIT=SYSDA,SPACE=(3520,(400)),DSN=&&SYSUT3                  0000012
XXSYSPUNCH  DD  SYSOUT=B,DCB=(RECFM=FB,LRECL=80,BLKSIZE=3520),              X0000130
XX              SPACE=(3520,(10,10)),UNIT=(SYSOUT,2)                        00000140
XXSTEPLIB   DD  DSN=NSSCII.DELI.ASMLMOD,DISP=SHR,UNIT=3330,VOL=SER=S4PROG   00000150
//SYSIN DD UNIT=TAPE9,DSN=&&TAPE,DISP=(OLD,PASS),
// VOL=REF=*.SFSA01.SOURCEIN,DCB=*.SFSA01.SOURCEIN,LABEL=(7,BLP,,IN)
IEF236I ALLOC. FOR N0003340 HTCASM   HEXTAB
IEF237I 478   ALLOCATED TO SYSABEND
IEF237I 479   ALLOCATED TO SYSPRINT
IEF237I 120   ALLOCATED TO SYSLIB
IEF237I 131   ALLOCATED TO SYSGO
IEF237I 153   ALLOCATED TO SYSUT1
IEF237I 154   ALLOCATED TO SYSUT2
IEF237I 155   ALLOCATED TO SYSUT3
IEF237I 401   ALLOCATED TO SYSPUNCH
IEF237I 136   ALLOCATED TO STEPLIB
IEF237I 285   ALLOCATED TO SYSIN
IEF142I - STEP WAS EXECUTED - COND CODE 0000
IEF285I   SYS1.MACLIB                                  PASSED
IEF285I   VOL SER NOS= NASA01.
IEF285I   SYS81287.T132901.RV000.N0003340.SYSLIN       PASSED
IEF285I   VOL SER NOS= WORK04.
IEF285I   SYS81287.T132901.RV000.N0003340.SYSUT1       DELETED
IEF285I   VOL SER NOS= DUMMY2.
IEF285I   SYS81287.T132901.RV000.N0003340.SYSUT2       DELETED
IEF285I   VOL SER NOS= CSC004.
IEF285I   SYS81287.T132901.RV000.N0003340.SYSUT3       DELETED
IEF285I   VOL SER NOS= WORK10.
IEF285I   NSSCII.DELI.ASMLMOD                          KEPT
IEF285I   VOL SER NOS= S4PROG.
IEF285I   SYS81287.T132901.RV000.N0003340.TAPE         PASSED
IEF285I   VOL SER NOS= IN007 .
IEF373I STEP /HTCASM  / START 81287.1340
IEF374I STEP /HTCASM  / STOP  81287.1342 CPU    0MIN 35.42SEC MAIN 256K CC=    0
//FOCSCT EXEC HTCASM,PARM='NODECK,LOAD'
XXHTCASM PROC
XXHTCASM  EXEC  PGM=IEUASM,PARM='LOAD,NODECK',REGION=70K                    00000020
XXSYSABEND  DD  SYSOUT=A,SPACE=(1632,(300,300)),UNIT=(SYSOUT,2)             00000030
XXSYSPRINT  DD  SYSOUT=A,DCB=(RECFM=FBM,LRECL=121,BLKSIZE=3509),            X0000040
```

```
XX             UNIT=(SYSOUT,2),SPACE=(3509,(100,100))                    00000050
XXSYSLIB     DD DSNAME=SYS1.MACLIB,DISP=(SHR,PASS)                         0000
//SYSGO DD UNIT=DISK,DSN=&&SYSLIN,DISP=(MOD,PASS),
//   SPACE=(800,(100,20)),
//   DCB=(RECFM=FB,LRECL=80,BLKSIZE=800)
X/SYSGO      DD DSNAME=&&SYSLIN,DISP=(MOD,PASS),SPACE=(3200,(25,25)),    X0000007C
XX             DCB=(RECFM=FB,LRECL=80,BLKSIZE=3200),                     X0000C080
XX             UNIT=SYSDA,VOLUME=(,RETAIN)                               0000009
XXSYSUT1     DD UNIT=SYSDA,SPACE=(3520,(400)),DSN=&&SYSUT1               0000010
XXSYSUT2     DD UNIT=SYSDA,SPACE=(3520,(400)),DSN=&&SYSUT2               0000011
XXSYSUT3     DD UNIT=SYSDA,SPACE=(3520,(400)),DSN=&&SYSUT3               0000012
XXSYSPUNCH   DD SYSOUT=B,DCB=(RECFM=FB,LRECL=80,BLKSIZE=3520),           X0000C130
XX             SPACE=(3520,(10,10)),UNIT=(SYSOUT,2)                      00000140
XXSTEPLIB   DD DSN=NSSCII.DEL1.ASMLMOD,DISP=SHR,UNIT=3330,VOL=SER=S4PROG 000CC150
//SYSIN DD UNIT=TAPE9,DSN=&&TAPE,DISP=(OLD,PASS),
// VOL=REF=*.SFSA01.SOURCEIN,DCB=*.SFSA01.SOURCEIN,LABEL=(8,BLP,,IN)
IEF236I ALLOC. FOR N0003340 HTCASM   FCCSCT
IEF237I 474   ALLOCATED TO SYSABEND
IEF237I 475   ALLOCATED TO SYSPRINT
IEF237I 130   ALLOCATED TO SYSLIB
IEF237I 131   ALLOCATED TO SYSGO
IEF237I 131   ALLOCATED TO SYSUT1
IEF237I 145   ALLOCATED TO SYSUT2
IEF237I 147   ALLOCATED TO SYSUT3
IEF237I 480   ALLOCATED TO SYSPUNCH
IEF237I 136   ALLOCATED TO STEPLIB
IEF237I 285   ALLOCATED TO SYSIN
IEF142I - STEP WAS EXECUTED - COND CODE 0000
IEF285I   SYS1.MACLIB                                  PASSED
IEF285I   VOL SER NOS= NASA01.
IEF285I   SYS81287.T132901.RV000.N0003340.SYSLIN       PASSED
IEF285I   VOL SER NOS= WORK04.
IEF285I   SYS81287.T132901.RV000.N0003340.SYSUT1       DELETED
IEF285I   VOL SER NOS= WORK04.
IEF285I   SYS81287.T132901.RV000.N0003340.SYSUT2       DELETED
IEF285I   VOL SER NOS= WORK09.
IEF285I   SYS81287.T132901.RV000.N0003340.SYSUT3       DELETED
IEF285I   VOL SER NOS= DUMMY3.
IEF285I   NSSCII.DEL1.ASMLMOD                          KEPT
IEF285I   VOL SER NOS= S4PROG.
IEF285I   SYS81287.T132901.RV000.N0003340.TAPE         PASSED
IEF285I   VOL SER NOS= IM007 .
IEF373I STEP /HTCASM  / START 81287.1342
IEF374I STEP /HTCASM  / STOP  81287.1342 CPU    0MIN 00.89SEC MAIN 256K CC=    0
//HXCSCT EXEC HTCASM,PARM='NODECK,LOAD'
XXHTCASM PROC
XXHTCASM  EXEC  PGM=IEUASM,PARM='LOAD,NODECK',REGION=78K                 00000020
XXSYSABEND  DD  SYSOUT=A,SPACE=(1632,(300,300)),UNIT=(SYSCUT,2)          00000030
XXSYSPRINT  DD  SYSOUT=A,DCB=(RECFM=FBP,LRECL=121,BLKSIZE=1509),         X0000040
XX             UNIT=(SYSOUT,2),SPACE=(3509,(100,100))                    00000050
XXSYSLIB     DD DSNAME=SYS1.MACLIB,DISP=(SHR,PASS)                         0000
//SYSGO DD UNIT=DISK,DSN=&&SYSLIN,DISP=(MOD,PASS),
//   SPACE=(800,(100,20)),
//   DCB=(RECFM=FB,LRECL=80,BLKSIZE=800)
X/SYSGO      DD DSNAME=&&SYSLIN,DISP=(MOD,PASS),SPACE=(3200,(25,25)),    X0000007C
XX             DCB=(RECFM=FB,LRECL=80,BLKSIZE=3200),                     X0000C080
XX             UNIT=SYSDA,VOLUME=(,RETAIN)                               0000009
XXSYSUT1     DD UNIT=SYSDA,SPACE=(3520,(400)),DSN=&&SYSUT1               0000010
XXSYSUT2     DD UNIT=SYSDA,SPACE=(3520,(400)),DSN=&&SYSUT2               0000011
XXSYSUT3     DD UNIT=SYSDA,SPACE=(3520,(400)),DSN=&&SYSUT3               0000012
XXSYSPUNCH   DD SYSOUT=B,DCB=(RECFM=FB,LRECL=80,BLKSIZE=3520),           X0000C130
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XX               SPACE=(3521,(10,10)),UNIT=(SYSCUT,2)                    00000140
XXSTEPLIB  DD DSN=NSSCII.DELI.ASMLMOD,DISP=SHR,UNIT=3330,VOL=SER=S4PROG  00000150
//SYSIN DD UNIT=TAPE9,DSN=&&TAPE,DISP=(OLD,PASS),
// VOL=REF=*.SFSA01.SOURCEIN,DCB=*.SFSA01.SOURCEIN,LABEL=(2,BLP,,IN)
IEF236I ALLOC. FOR 81287 HTCLASM   HXCSCT
IEF237I 474   ALLOCATED TO SYSABEND
IEF237I 475   ALLOCATED TO SYSPRINT
IEF237I 130   ALLOCATED TO SYSLIB
IEF237I 131   ALLOCATED TO SYSGO
IEF237I 131   ALLOCATED TO SYSUT1
IEF237I 145   ALLOCATED TO SYSUT2
IEF237I 147   ALLOCATED TO SYSUT3
IEF237I 480   ALLOCATED TO SYSPUNCH
IEF237I 136   ALLOCATED TO STEPLIB
IEF237I 285   ALLOCATED TO SYSIN
IEF142I - STEP WAS EXECUTED - COND CODE 0000
IEF285I   SYS1.MACLIB                                  PASSED
IEF285I   VOL SER NOS= NASA01.
IEF285I   SYS81287.T132901.RV000.N0003340.SYSLIN       PASSED
IEF285I   VOL SER NOS= WORK04.
IEF285I   SYS81287.T132901.RV000.N000C3340.SYSUT1      DELETED
IEF285I   VOL SER NOS= WORK04.
IEF285I   SYS81287.T132901.RV000.N000C3340.SYSUT2      DELETED
IEF285I   VOL SER NOS= WORK09.
IEF285I   SYS81287.T132901.RV000.N000C3340.SYSUT3      DELETED
IEF285I   VOL SER NOS= DUMMY3.
IEF285I   NSSCII.DELI.ASMLMOD                          KEPT
IEF285I   VOL SER NOS= S4PROG.
IEF285I   SYS81287.T132901.RV000.N0003340.TAPE         PASSED
IEF285I   VOL SER NOS= IM007 .
IEF373I STEP /HTCASM  / START 81287.1342
IEF374I STEP /HTCASM  / STOP  81287.1343 CPU   0MIN 01.75SEC MAIN 256K CC=   0
//SFSF01 EXEC FORTHC,PARM='NOEDIT,NOXREF,LIST',COND=EVEN
XXFORT EXEC PGM=IEKAA00,REGION=256K                CSC                  10000000
XXSYSPRINT DD  SYSOUT=A                                                 20000000
XXSYSPUNCH DD  SYSOUT=B                                                 30000000
//FORT.SYSLIN DD DSN=&&SYSLIN,SPACE=(800,(1100,200)),
// DCB=(RECFM=FB,LRECL=80,BLKSIZE=800)
X/SYSLIN   DD  DSNAME=&LOADSET,UNIT=SYSSQ,DISP=(MOD,PASS),              40000000
XX             SPACE=(400,(200,50),RLSE)                                50000000
//SYSIN DD UNIT=TAPE9,DSN=&&TAPE,DISP=(OLD,PASS),
// VOL=REF=*.SFSA01.SOURCEIN,DCB=*.SFSA01.SOURCEIN,LABEL=(2,BLP,,IN)
IEF236I ALLOC. FOR 00003340 FORT     SFSF01
IEF237I 474   ALLOCATED TO SYSPRINT
IEF237I 480   ALLOCATED TO SYSPUNCH
IEF237I 131   ALLOCATED TO SYSLIN
IEF237I 285   ALLOCATED TO SYSIN
IEF142I - STEP WAS EXECUTED - COND CODE 0000
IEF285I   SYS81287.T132901.RV000.N000C3340.SYSLIN      PASSED
IEF285I   VOL SER NOS= WORK04.
IEF285I   SYS81287.T132901.RV000.N000C3340.TAPE        PASSED
IEF285I   VOL SER NOS= IM007 .
IEF373I STEP /FORT    / START 81287.1343
IEF374I STEP /FORT    / STOP  81287.1345 CPU   0MIN 36.92SEC MAIN 256K CC=   0
//E EXEC HTCLKED,PARM='MAP,LIST,OCBS,SIZE=(128K,20K),LET,XREF',
// COND=EVEN
XXHTCLKED PROC  MODULE=HTCLM                                            00000020
XXHTCLKED EXEC PGM=IEWL,PARM='MAP,LIST,OCBS',COND=(4,LT),REGION=136K     00000030
XXSTEPLIB   DD DSN=NSSCII.DELI.VSLKED,DISP=SHR,UNIT=3330,VOL=SER=S4PROG
XXSYSABEND  DD SYSOUT=A,SPACE=(1632,(300,300)),UNIT=(SYSCUT,2)          00000040
XXSYSPRINT  DD SYSOUT=A,SPACE=(3509,(10,10)),DCB=(BLKSIZE=3509,         00000050
```

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```
XX             RECFM=FBA,LRECL=121),UNIT=(SYSOUT,2)                    00000060
//SYSLIB DD DSN=SEPAC.OBJECT,DISP=SHR,UNIT=3330,VOL=SER=S4PROG
X/SYSLIB    DD DSNAME=SYS1.FORTLIB,DISP=(SHR,PASS)                      0000
//SYSLMOD DD SPACE=(CYL,(300,100,5)),DCB=(BLKSIZE=500)
X/SYSLMOD   DD DSNAME=&LOADSET(MODULE),DISP=(MOD,PASS),UNIT=SYSDA,    XDD000080
IEF653I SUBSTITUTION JCL - DSNAME=&LOADSET(HTCLM),DISP=(MOD,PASS),UNIT=SYSDA,
XX             SPACE=(3072,(50,20,5)),DCB=(BLKSIZE=3072)               00000090
//SYSLIN DD DCB=(RECFM=FB,LRECL=80,BLKSIZE=800)
X/SYSLIN    DD DSNAME=&SYSLIN,DISP=(MOD,DELETE),SPACE=(TRK,(10)),     XD0000100
XX             UNIT=SYSDA,DCB=(LRECL=80,RECFM=FB)                       0000011
XX          DD DDNAME=SYSIN   CONCATENATED - (DUMMY IF NOT SUPPLIED)   00000120
//SYSUT1   DD  UNIT=SYSDA,SPACE=(1024,(1000,10)),DCB=BLKSIZE=1024,
//  DSN=&&SYSUT1
//SYSIN   DD *
IEF236I ALLOC. FOR NOOO3340 HTCLKED  E
IEF237I 136   ALLOCATED TO STEPLIB
IEF237I 474   ALLOCATED TO SYSABEND
IEF237I 475   ALLOCATED TO SYSPRINT
IEF237I 136   ALLOCATED TO SYSLIB
IEF237I 131   ALLOCATED TO SYSLMOD
IEF237I 131   ALLOCATED TO SYSLIN
IEF237I 432   ALLOCATED TO
IEF237I 145   ALLOCATED TO SYSUT1
IEF142I - STEP WAS EXECUTED - COND CODE 0008
IEF285I   NSSCII.DELI.VSLKED                          KEPT
IEF285I   VOL SER NOS= S4PROG.
IEF285I   SEPAC.OBJECT                                KEPT
IEF285I   VOL SER NOS= S4PROG.
IEF285I   SYS81287.T132901.RV000.NOOO3340.LOADSET     PASSED
IEF285I   VOL SER NOS= WORK04.
IEF285I   SYS81287.T132901.RV000.NOOO3340.SYSLIN      DELETED
IEF285I   VOL SER NOS= WORK04.
IEF285I   SYS81287.T132901.RV000.NOOO3340.SYSUT1      DELETED
IEF285I   VOL SER NOS= WORK09.
IEF373I STEP /HTCLKED / START 81287.1345
IEF374I STEP /HTCLKED / STOP  81287.1345 CPU    0MIN 02.44SEC MAIN 134K CC=    0
//LOADER EXEC PGM=IEBGENER,COND=EVEN
//SYSPRINT DD SYSOUT=A
//SYSIN DD DUMMY
//SYSUT1 DD DSN=NSSCII.LOADER.LOOOOO,UNIT=DISK,VOL=SER=S4PROG,DISP=OLD
//SYSUT2 DD DSN=SEPAC.TAPE,UNIT=TAPE9,VOL=(PRIVATE,RETAIN,SER=MINI01),
// LABEL=(,BLP),DISP=(NEW,PASS),
// DCB=(RECFM=FB,LRECL=80,BLKSIZE=31980,DEN=2)
IEF236I ALLOC. FOR NOOO3340 LOADER
IEF237I 474   ALLOCATED TO SYSPRINT
IEF237I 136   ALLOCATED TO SYSUT1
IEF237I 285   ALLOCATED TO SYSUT2
IEF142I - STEP WAS EXECUTED - COND CODE 0000
IEF285I   NSSCII.LOADER.LOOOOO                        KEPT
IEF285I   VOL SER NOS= S4PROG.
IEF285I   SEPAC.TAPE                                  PASSED
IEF285I   VOL SER NOS= MINI01.
IEF373I STEP /LOADER  / START 81287.1345
IEF374I STEP /LOADER  / STOP  81287.1346 CPU    0MIN 00.34SEC MAIN 156K CC=    0
//COPY EXEC PGM=IEBGENER,COND=EVEN
//SYSPRINT  DD  SYSOUT=A
//SYSIN DD DUMMY
//SYSUT1 DD DSN=&LOADSET(PRINTER),DISP=(OLD,DELETE)
//SYSUT2 DD DSN=SEPAC.TAPE,UNIT=TAPE9,DISP=(OLD,PASS),
// VOL=REF=*.LOADER.SYSUT2,LABEL=(2,BLP,,OUT),
// DCB=(DEN=2,BLKSIZE=500,RECFM=U)
```

```
//
IEF236I ALLOC. FOR NOC03340 COPY
IEF237I 474   ALLOCATED TO SYSPRINT
IEF237I 131   ALLOCATED TO SYSUT1
IEF237I 285   ALLOCATED TO SYSUT2
IEF142I - STEP WAS EXECUTED - COND CODE 0000
IEF285I   SYS81287.T132501.RV000.NOC03340.LOADSET      DELETED
IEF285I   VOL SER NOS= WORK04.
IEF285I   SEPAC.TAPE                                   PASSED
IEF285I   VOL SER NOS= MINI01.
IEF373I STEP /COPY    / START 81287.1346
IEF374I STEP /COPY    / STOP  81287.1346 CPU   0MIN 00.65SEC MAIN  34K CC=    0
IEF285I   SYS81287.T132501.RV000.NOC03340.TAPE         KEPT
IEF285I   VOL SER NOS= IM007 .
IEF285I   SYS1.MACLIB                                  KEPT
IEF285I   VOL SER NOS= NASA01.
IEF285I   SEPAC.TAPE                                   DELETED
IEF285I   VOL SER NOS= MINI01.
IEF280E K 285,MINI01,NOC03340,COPY
IEF375I  JOB /NOCC3340/ START 81287.1329
IEF376I  JOB /NOCC3340/ STOP  81287.1346 CPU   2MIN 24.53SEC
```

SYMBOL	TYPE	ID	ADDR	LENGTH	LD ID
DRIVER	SD	01	CCCCC0	000B0E	
ZAP	ER	02			
STATW1	ER	03			
EXSPM	ER	04			
PASS0	ER	05			
SPM	ER	06			
PATCH	ER	07			
ECMAN	ER	08			
STASK	ER	09			
ECBML	ER	0A			
DEPDMP	ER	0B			
RTCMD	ER	0C			
ECFD	ER	0D			
DEPCOM	ER	0E			
SEPACM	ER	0F			
MSOUT1	ER	10			
IUCMD	ER	11			
OUTCOM	ER	12			
MANUAL	ER	13			
ECPCF	ER	14			
ECMAG	ER	15			
GNC	ER	16			
PITS	ER	17			
SWMASK	ER	18			
SINGLF	ER	19			
FOFLG	ER	1A			
IUCREG	ER	1B			
IUCAND	ER	1C			
IUCSET	ER	1D			
SEX	ER	1E			
MSGHAN	ER	1F			
PASSX	ER	20			
FOCSCT	ER	21			
FOCOM	ER	22			
ECSMD	ER	23			
TLBUF	ER	24			
WORKLIST	LD		CCC64C		01
HIT1HZ	LD		CCCCC8		01
XMAN	LD		CCC694		01
MSG	LD		CCC6EC		01
TECPCF	LD		CCC6C8		01
TECFD	LD		CCC65C		01
TECMAG	LD		CCC6CC		01
TSINGLF	LD		CCC680		01
TPATCH	LD		CCC6E0		01
TECBML	LD		CCC67C		01
TECSMD	LD		CCC674		01
TMANUAL	LD		CCC664		01
CODESTRT	LD		CCC4B0		01
IUINT	LD		CCC60A		01
ADUMBF	LD		CCCA54		01

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT F22NOV74 10/14/81

```
                                1 ************************************************************** VERISW
                                2 ************************************************************** VERISW
                                3 ************************************************************** VERISW
                                4 **                                                            ** VERISW
                                5 **  SSSSSS   EEEEEE  PPPPPP    AA    CCCCCC                   VERISW
                                6 **  SSSSSS   EEEEEE  PPPPPPP  AA AA  CCCCCC                   VERISW
                                7 **  AA       EE      PP   PP  AA AA  CC                       VERISW
                                8 **  SS       EE      PP   PP  AA AA  CC                       VERISW
                                9 **  SSSSSS   EEEE    PPPPPP   AAAAAA  CC                       VERISW
                               10 **  SSSSSS   EEEE    PPPPPP   AAAAAA  CC                       VERISW
                               11 **      SS   EE      PP       AA AA  CC                       VERISW
                               12 **      SS   EE      PP       AA AA  CC                       VERISW
                               13 **  SSSSSS   EEEEEE  PP       AA AA  CCCCCC                   VERISW
                               14 **  SSSSSS   EEEEEE  PP       AA AA  CCCCCC                   VERISW

                               16 **  REV. DATE:    FEBRUARY 23, 1981  (BASELINED VERISW)      ** VERISW
                               17 **                MARCH    14, 1981  V1.2                      VERISW
                               18 **                MARCH    17, 1981  V1.3                   ** VERISW
                               19 **                MARCH    20, 1981  V1.4                   ** VERISW
                               20 **                APRIL     1, 1981  V1.5                      VERISW
                               21 **                APRIL    14, 1981  V1.6                      VERISW
                               22 **                APRIL    20, 1981  V1.7                      VERISW
                               23 **                APRIL    26, 1981  V1.8                      VERISW
                               24 **                MAY       1, 1981  V1.9                      VERISW
                               25 **                MAY       5, 1981  V1.10                     VERISW
                               26 **                MAY       7, 1981  V1.11                     VERISW
                               27 **                MAY      14, 1981  V1.12                     VERISW
                               28 **                MAY      18, 1981  V1.13                     VERISW
                               29 **                MAY      20, 1981  V1.14                     VERISW
                               30 **                JUNE      8, 1981  V1.15  VT FT              VERISW
                               31 **                JUNE     30, 1981  V1.16                     VERISW
                               32 **                SEPT     12, 1981  V2.1                      VERISW
                               33 **                SEPT     19, 1981  V2.2                      VERISW
                               34 **                SEPT     28, 1981  V2.3                      VERISW
                               35 **                OCT       1, 1981  V2.4                      VERISW
                               36 **                OCT       8, 1981  V2.5                      VERISW
                               37 **                OCT      13, 1981  V2.6                      VERISW
                               38 **                                                            VERISW
                               39 **                                                            VERISW
                               40 ************************************************************** VERISW
                               41 ************************************************************** VERISW
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LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT (22ho774 10/14/81

```
                        43          PRINT OFF                                                    VER15M
                        62 ********************************************************************** VER15M
                        63 ********************************************************************** VER15M
                        64 **  ROUTINE:     DRIVER (CCDLSTRT)                                    ** VER15M
                        65 **                                                                     ** VER15M
                        66 **  FUNCTION:    THIS SUBROUTINE PROVIDES THE MAIN LINKAGE TO THE     ** VER15M
                        67 **               SCPAL EXECUTIVE SOFTWARE AFTER INITIAL PROGRAM       ** VER15M
                        68 **               LOAD.                                                ** VER15M
                        69 **                                                                     ** VER15M
                        70 ********************************************************************** VER15M
                        71 ********************************************************************** VER15M
000000                  72 DRIVER   CSECT                                                        VER15M
                        73          EXTRN ZAP,STATW1,EXSPN                                       VER15M
                        74          EXTRN PASSD,SPY,PATCF,ECMAN                                  VER15M
                        75          EXTRN STASK,ECBML,DEFDMP,RTC40,ECFU                          VER15M
                        76          EXTRN DEFCLR,SEFACM,ASSOUT,IUCMD,OUTCOM                      VER15M
                        77          EXTRN MANUAL,ECPCF,ECMAG,GNC,PITS,SWMASK,SINGLE              VER15M
                        78          EXTRN FCFLG                                                  VER15M
                        79          EXTRN ILCREG,IUCAND,IUCSET                                   VER15M
                        80          EXTRN SEX,MSGMAK                                             VER15M
                        81          EXTRN PASSX,FUCSCT,FCCOM                                     VER15M
                        82          EXTRN ECSMD,TLOUT                                            VER15M
                        83          ENTRY WORKLIST,HIT1HZ,XMAIN,MSG                              VER15M
                        84          ENTRY TECPCF,TECFU,TECMAG,TSINGLE,TPATCH,TECOML              VER15M
                        85          ENTRY TECSMD,TMANUAL                                         VER15M
000000                  86 R0       EQU   0                                                      VER15M
000001                  87 R1       EQU   1                                                      VER15M
000002                  88 R2       EQU   2                                                      VER15M
000003                  89 R3       EQU   3                                                      VER15M
000004                  90 R4       EQU   4                                                      VER15M
000005                  91 R5       EQU   5                                                      VER15M
000006                  92 R6       EQU   6                                                      VER15M
000007                  93 R7       EQU   7                                                      VER15M
000008                  94 R8       EQU   8                                                      VER15M
000009                  95 R9       EQU   9                                                      VER15M
00000A                  96 R10      EQU   10                                                     VER15M
00000B                  97 R11      EQU   11                                                     VER15M
00000C                  98 R12      EQU   12                                                     VER15M
00000D                  99 R13      EQU   13                                                     VER15M
00000E                 100 R14      EQU   14                                                     VER15M
00000F                 101 R15      EQU   15                                                     VER15M
000028                 102 PGPSWOLD  EQU   40                                                    VER15M
000018                 103 EXPSWOLD  EQU   X'18'                                                 VER15M
000020                 104 SVCPSWOLD EQU   X'20'                                                 VER15M
000038                 105 ILPSWOLD  EQU   X'38'                                                 VER15M
000080                 106 PGMEMSAV  EQU   128                                                   VER15M
0000C0                 107 EXTINTSV  EQU   192                                                   VER15M
000100                 108 IOINTSV   EQU   256                                                   VER15M
000020                 109 IBLK      EQU   X'20'                                                 VER15M
00004E                 110 ADDR4E    EQU   78                                                    VER15M
000051                 111 ADDR51    EQU   81                                                    VER15M
000044                 112 ADDR44    EQU   68                                                    VER15M
000180                 113 ADDR180   EQU   384                                                   VER15M
000050                 114 ADDR50    EQU   80                                                    VER15M
000053                 115 ADDR53    EQU   83                                                    VER15M
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LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT			
000140				116	ADDR140	EQU	320	VERISW
000048				117	ADDR48	EQU	72	VERISW
000018				118	ADDR18	EQU	24	VERISW
000018				119	ADDR1B	EQU	27	VERISW
000040				120	ADDR40	EQU	64	VERISW
00005C				121	ADDR5C	EQU	92	VERISW
00005E				122	ADDR5E	EQU	94	VERISW
000078				123	ADDR7B	EQU	120	VERISW
00007E				124	ADDR7E	EQU	126	VERISW

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	F22V07 10/14/81
000000	00040000			126 IPLPSW	DC X'00040000' INITIAL PROGRAM PSW	VERISW
000004	08CCC4B0			127	DC X'08',AL3(&OOFSTRT)	VERISW
000008	00CCC0C0			128 HITIHZ	DC 1F'0' 1HZ SINT	VERISW
00000C	00C0			129 MRET	DC H'0' RETRANSMIT BUFF#1 || RETRANSMIT BUFF#2	VERISW
00000E	00C0			130 MBSY	DC H'0' BUFF#1 BUSY || BUFF#2 BUSY	VERISW
000010	C0C0000000C00C0C			131 CMDUP	DC 2F'0'	VERISW
000018	00C0C0CCCCCC0000			132 EXTOLD	DC 2F'0' EXTERNAL INTERRUPT OLD PSW	VERISW
000020	00CCC0C0C0CC0030			133 SVCOLD	DC 2F'0' SVC INTERRUPT OLD PSW	VERISW
000028	00CCCCC0C0CCC000			134 PRGOLD	DC 2F'0' PROGRAM INTERRUPT OLD PSW	VERISW
000030	0000C0C0CCCCC0C0			135 MCOLD	DC 2F'0' MACHINE CHECK INTERRUPT OLD PSW	VERISW
000038	00C00C0C0CCCCC00			136 IOOLD	DC 2F'0' I/O INTERRUPT OLD PSW	VERISW
000040	C0C0CC0C0CC0C000			137 DIOSTW	DC 2F'0' COMPARE DISPLAY DATA AREA	VERISW
000048	00CC00C0			138 RTCII	DC F'0' RTC READ	VERISW
00004C	00000000			139 CKSUM	DC F'0' CHECKSUM || STATUS WORD #1	VERISW
000050	00C00000			140 FLAGSX	DC F'0' 1HZ FLIP-FLOP || STATUS WORD#2	VERISW
000054	C0000000			141 FCMAN	DC F'0' MANFC	VERISW
000058	C0C40000			142 EXTNEW	DC X'00040000' EXTERNAL INTERRUPT NEW PSW	VERISW
00005C	C0CC0BCA			143	DC X'08',AL3(EXT777)	VERISW
000060	C0C40000			144 SVCNEW	DC X'00040000' SVC INTERRUPT NEW PSW	VERISW
000064	08CCC8D6			145	DC X'08',AL3(SVCINT)	VERISW
000068	00C00000			146 PRGNEW	DC X'00000000' PROGRAM CHECK INTERRUPT NEW PSW	VERISW
00006C	C8CCC7C0			147	DC X'08',AL3(PRGINTER)	VERISW
000070	00C00C00			148 MCNEW	DC X'00000000' MACHINE CHECK INTERRUPT NEW PSW	VERISW
000074	08CCC7C0			149	DC X'08',AL3(PRGINTER)	VERISW
000078	00C40000			150 IONEW	DC X'00040000' IO INTERRUPT NEW PSW	VERISW
00007C	08000974			151	DC X'08',AL3(IIO77)	VERISW
000080	00C000C0C0C0C0C0			152 V80	DC 16F'0' PROGRAM INTERRUPT SAVE	VERISW
0000C0	00C0C0000C00C0C0			153 VC0	DC 16F'0' EXTERNAL INTERRUPT SAVE 1	VERISW
000100	00C0000C00CCC000			154 V100	DC 16F'0' IC INTERRUPT SAVE	VERISW
000140	00C0000C0C0C0C00			155 V140	DC 16F'0' EXTERNAL INTERRUPT SAVE 2	VERISW
000180	00C0C0000CCCC000			156 V180	DC 4F'0' PSW SAVE AREA	VERISW
				158	**********	VERISW
				159	** PATCH AREA **	VERISW
				160	**********	VERISW
000190				161	DS 200F	VERISW

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT F22NOV74 10/14/81

```
                                  163 * CODESTRT PERFORMS THE FOLLOWING FUNCTIONS                                  VERISW
                                  164 *   1. INITIALIZE LOW CORE VARIABLE LOCATIONS                                VERISW
                                  165 *   2. WRITE DMA PROTECT KEY FOR MEMORY BELOW BML                            VERISW
                                  166 *   3. PERFORM MEMORY CHECKSUM                                               VERISW
                                  167 *   4. INITIALIZE CONTROL FLAGS AND STATE                                    VERISW
                                  168 *   5. INVOKE IO COMMAND REGISTER INITIALIZATION                             VERISW
                                  169 *   6. SETUP INITIAL TASK SCHEDULE FLAGS                                     VERISW
                                  170 *   7. CYCLE TASK SCHEDULE TABLE (WORKLIST)                                  VERISW
                                  171 *                                                                            VERISW
000480                            172 CODESTRT DS    0D                                                            VERISW
                                  173          ENTRY CODESTRT                                                      VERISW
000480                            174          USING *,R12                                                         VERISW
000480 58C0 0004          00004   175          L     R12,4(0)                                                      VERISW
000484 4100 C5C8          009D8   176          LA    13,SAVEAREA                                                   VERISW
000488 A421 C5E0          00A90   177          TMRS  R2,R1,ZERO          $ INITIALLY SET RTC TO 0                  VERISW
00048C 4110 C41A          008CA   178          LA    1,EXT77             $ SET EXT INT ADDRESS                     VERISW
000490 4010 0C5E          0005E   179          STH   1,ADDR5E            $                                         VERISW
000494 4110 C4C4          00974   180          LA    1,IO77              $ SET IO INT ADDRESS                      VERISW
000498 4010 0C7E          0007E   181          STH   1,ADDR7E            $                                         VERISW
00049C A810 F00F    0C000         182          LSI   1,X'F00F'           $ WRITE 'F00F' TO SPM(0)                  VERISW
0004A0 A510 C1EE          0069E   183          SIO   1,0,WSPM0           $                                         VERISW
0004A4 4770 C020          004A0   184          BNZ   *-4                 $                                         VERISW

0004A8 1D22                       186          SR    2,2                 *                                         VERISW
0004AA A820 D800    0C000         187          LSI   2,X'D800'           *                                         VERISW
0004AE B810 0001    00000         188          LHI   1,1                 *                                         VERISW
0004B2                            189 CODE001  EQU   *                   *                                         VERISW
0004B2 0812                       190          SSR   1,2                 * PROTECT MEMORY FROM DMA STORES          VERISW
0004B4 BB20 0400    00000         191          SHI   2,X'0400'           *                                         VERISW
0004B8 4780 C032          004E2   192          BNM   CODE001             *                                         VERISW

0004BC 2D22                       194          SDR   2,2                 $   PERFORM DEPCHECK                      VERISW
0004BE 7420 C1EA          0069A   195          LS    2,AEND              $                                         VERISW
0004F2                            196 CODD2    EQU   *                   $                                         VERISW
0004F2 4A32 0000          00000   197          AH    3,0(2)              $   COMPUTE CHECKSUM                      VERISW
0004F6 4620 C04A          004FA   198          BCT   2,*+4               $                                         VERISW
0004FA 4620 C0F2          004F2   199          BCT   2,CODD2             $                                         VERISW
0004FE 4A30 0000          00000   200          AH    3,0(0)              $  ADD LOC(0) TOO                         VERISW
000502 A530 C1EE          0069E   201          SIO   3,0,WSPM0           $  WRITE CHECKSUM TO SPM(0)               VERISW
000506 4770 C0F2          00502   202          BNZ   *-4                 $                                         VERISW
00050A B820 0C3C    00000         203          LHI   2,60                $  PREPARE FOR 60 SEC WAIT  LHI 2,15      VERISW
00050E 4110 C076          00526   204          LA    1,CODE45            $  TRAP 1HZ TO CODE45                     VERISW
000512 4010 005E          0005E   205          STH   1,ADDR5E            $                                         VERISW
000516                            206 CODE40   EQU   *                                                           VERISW
000516 4110 0001          00001   207          LA    1,1                 $  ENABLE ONLY 1HZ                        VERISW
00051A 45EC C190          00640   208          BAL   14,RMOPMF1          $                                         VERISW
00051E 8000 C1E8    0C698         209          SSM   ICON                $  ENABLE 1HZ INTERRUPTS                  VERISW
000522 47F0 C072          00522   210          B     *                   $  WAIT                                   VERISW
000526                            211 CODE45   EQU   *                                                           VERISW
000526 9580 001B    0C01B         212          CLI   ALCR1B,X'80'  $ IS THIS 1HZ                                 VERISW
00052A 478C C066          00516   213          BE    CODE40        $ NO                                          VERISW
00052E A520 C1F0          006A0   214          SIO   2,0,WSPM5     $ WRITE COUNTER TO SPM(5)                     VERISW
000532 4770 C07E          0052E   215          BNZ   *-4                                                         VERISW
000536 4620 C066          00516   216          BCT   2,CODE40      $ IF NOT LAST CONTINUE LOOP                   VERISW
```

```
LOC  OBJECT CODE    ADDR1 ADDR2  STMT  SOURCE STATEMENT                                  FORTRAN  10/14/81
000534 80C0 C000    00000        217   SSM   0          * RESET INTERRUPTS                        VERIFY
000538 411C 0003    00003        218   LA    1,3        * ENABLE IHZ AND IO                       VERIFY
00053C 45EC C190    00640        219   BAL   14,RALPHI  *                                         VERIFY
000540 92C7 C07E C0C0 0078 0078C 220   MVC   ALLR78(8),ICHPSW * RESTORE VECTORS                   VERIFY
000546 92C7 0058 C0CE 0CC58 00758 221   MVC   ALLR58(8),EXTNPSW *                                 VERIFY

000552 1B44                      221   SR    4,4        # RESET THE TASK SCHEDULE TABLE            VERIFY
000554 8850 0012    0C000        224   LHI   5,18       #                                         VERIFY
000558 41F0 C19C    00640        225   LA    15,SCHKLIST #                                        VERIFY
00055C                           226 COD1  EQU   *        #                                        VERIFY
00055C 92C0 F000    00000        227   MVI   0(15),X'00' # SET TASK FOR OFF STATE                 VERIFY
000560 41FF 0004    00004        228   LA    15,4(15)   # ADVANCE TO NEXT TASK                   VERIFY
000564 4650 C0AC    0055C        229   BCT   5,COD1     #                                         VERIFY

000568 92FF C1D8    0C688        231   MVI   WSEP,X'FF' # SET SEPACM TASK ON                      VERIFY
00056C 92FF C1A9    0C650        232   MVI   WIOT,X'FF' # SET IOTNT TASK ON                      VERIFY

000570 92C0 0008    00008        234   MVI   8(0),X'00' $ RESET EXECUTIVE FLAGS                  VERIFY
000574 D24E 0CC5 CCCE 0CC09 00008 235   MVC   9(79,0),8(0) $                                      VERIFY
00057A 7450 C4F2    009A2        236   LS    5,ASTATE   $                                        VERIFY
00057E 4045 CCC0    00000        237   STH   4,0(5)     $ SET STATE TO 0                         VERIFY
000582 4110 C4F4    009A4        238   LA    1,ASTATW1  #  ZAP DATA MEMORY AREA                  VERIFY
000586 7450 C500    00980        239   LS    15,AZAP    #                                        VERIFY
00058A 05EF                      240   BALR  14,15      # << CHANGE TO BALR 14,15 TO ACTIVATE >> VERIFY

00058C 7450 C2FE    0079E        242   LS    5,AFOFLG   $                                        VERIFY
000590 92FF 5005    0C005        243   MVI   5(5),X'FF' $ SET STFLG <> 0                         VERIFY
000594 80C0 C1E8    0C698        244   SSM   ICCN       # ENABLE I/O AND IHZ INTERRUPTS          VERIFY
```

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT F22NOV74 10/14/81

```
000598                          246 RUN      EQU   *                                    VERISW
000598 95C0 0054  00054         247          CLI   84(0),X'00'  $ MANUAL                VERISW
00059C 4780 C0EC        005AC   248          BE    RUN11        $ NO                    VERISW
0005A0 92FF C1DC  0C68C         249          MVI   PSG,X'FF'    $ SCHEDULE MSGRAM       VERISW
0005A4 95C0 0056  00056         250          CLI   86(0),X'C0'  $ MANUAL CONTINUE       VERISW
0005A8 478C C100        005B0   251          BE    RUN12        $ NO                    VERISW
0005AC                          252 RUN11    EQU   *                                    VERISW
0005AC 92FF C1D8  0C688         253          MVI   WSEP,X'FF'   $ SCHEDULE SEPACM       VERISW
0005B0                          254 RUN12    EQU   *                                    VERISW
0005B0 2844                     255          SDR   4,4          $ TASK DISPATCHER       VERISW
0005B2 7440 C2EE        007SE   256          LS    4,AFOFLG     $                       VERISW
0005B6 7451 0002        00002   257          LS    5,2(4)       $ SMOSEL?               VERISW
0005BA 1255                     258          LTR   5,5          $                       VERISW
0005BC 4780 C11A        005CA   259          BZ    RUN13        $                       VERISW
0005C0 1B55                     260          SR    5,5          $                       VERISW
0005C2 4054 0002        00002   261          STH   5,2(4)       $ RESET SMOSEL          VERISW
0005C6 92FF C1C4  0C674         262          MVI   TECSMC,X'FF' $ SCHEDULE ECSMC        VERISW
0005CA                          263 RUN13    EQU   *                                    VERISW
0005CA 95FF 0008  00008         264          CLI   8(0),X'FF'                           VERISW
0005CE 4770 C144        005F8   265          BNE   RUN16                                VERISW
0005D2 1B33                     266          SR    3,3                                  VERISW
0005D4 743C C424        008D4   267          LS    3,ADLPCOM                            VERISW
0005D8 7433 0000        00000   268          LS    3,0(3)       STATE                   VERISW
0005DC A930 0006  0C000         269          CSI   3,6                                  VERISW
0005E0 4770 C144        005F4   270          BNE   RUN15                                VERISW
0005E4 7420 0046        00046   271          LS    2,ADDR44+2                           VERISW
0005E8 AE20 0C01  0C000         272          TBI   2,1                                  VERISW
0005EC 4710 C144        005F4   273          BO    RUN15        B  Run15                VERISW
0005F0                          274 RUN14    EQU   *                                    VERISW
0005F0 92FF C1CC  0C67C         275          MVI   TECBMC,X'FF'                         VERISW
0005F4                          276 RUN15    EQU   *                                    VERISW
0005F4 9200 0008  00008         277          MVI   8(0),X'00'                           VERISW
0005F8                          278 RUN16    EQU   *                                    VERISW
0005F8 4120 0013        00013   279          LA    2,19           $                     VERISW
0005FC 4130 C19C        0064C   280          LA    3,WORKLIST     $                     VERISW
000600                          281 LOOP     EQU   *              $                     VERISW
000600 95CC 3000  0C000         282          CLI   0(3),X'00'   $ IS TASK ACTIVE         VERISW
000604 4780 C162        00612   283          BE    CONT         $ NO                    VERISW
000608 92CC 3000  0C000         284          MVI   0(3),X'00'   $ RESET TASK ACTIVE     VERISW
00060C 58F3 0000        00000   285          L     15,0(3)      $                       VERISW
000610 05EF                     286          BALR  14,15        $ EXECUTE TASK !!!      VERISW
000612                          287 CONT     EQU   *              $                     VERISW
000612 4133 0004        00004   288          LA    3,4(3)       $ ADVANCE TO NEXT TASK ENTRY VERISW
000616 462C C150        00600   289          BCT   2,LOOP       $                       VERISW

00061A 95C0 0051  00051         291          CLI   ADDR51,X'00' $ 100 MS MARKER?        VERISW
00061E 478C C0E8        00598   292          BE    RUN          $ NO                    VERISW
000622 92C0 0051  00051         293          MVI   ADDR51,X'00' $ RESET                 VERISW
000626 74F0 C1EC        0060C   294          LS    15,ASPM      $ SEND RTC AND 1HZ COUNTER TO SPM VERISW
00062A 41CC C1F8        006A8   295          LA    1,APSPM      $                       VERISW
00062E 05EF                     296          BALR  14,15        $                       VERISW
000630 47FC CCC0        00599   297          B     RUN                                  VERISW

000634                          299 RWDPMFF  EQU   *                                    VERISW
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000634 18FF                      300          SR    15,15        $ RESET DPM(255)          VERISW
000636 A5FF C1F4          006A4  301          SIC   15,15,WDPM255                          VERISW
00063A 4770 C18C          00636  302          BNZ   *-4                                   VERISW
00063E 07FE                      303          BR    14                                    VERISW

000540                           305 RWDPMF1  EQU   *                                     VERISW
000640 A510 C1F2          006A2  306          SIC   1,0,WDPM241  $ R1=ENABLE MASK         VERISW
000644 4770 C190          00640  307          BNZ   *-4                                   VERISW
000648 07FE                      308          BR    14                                    VERISW
```

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT F22MOV74 10/14/81

```
000640                          310 WORKLIST DS    0F                  $ TASK SCHEDULE TABLE                    VERISW
000640 00000BE2                 311 TIOINT   DC    A(IOINT)            $                                        VERISW
000650 00000B8A                 312 WIOI     DC    A(IOINT)      2     $ IO INITIALIZATION                      VERISW
000654 00C00A94                 313 TADUMDF  DC    A(ADUMDF)     3     $ IO MESSAGE RECOVERY                    VERISW
000658 00C00000                 314 TSTASK   DC    A(STASK)      4     $ IO INPUT MESSAGE HANDLER               VERISW
00065C 00C00000                 315 TECFC    DC    A(ECFC)       5     $ FC SCHEDULER                           VERISW
000660 00C00000                 316 TPATCH   DC    A(PATCH)      6     $                                        VERISW
000664 00C00000                 317 TMANUAL  DC    A(MANUAL)     7     $ FC MANUAL                              VERISW
000668 00C00000                 318 TECPCF   DC    A(ECPCF)      8     $ PCF UPDATE SOLICIT HANDLER             VERISW
00066C 00C00000                 319 TECMAG   DC    A(ECMAG)      9     $ MAGNETIC FIELD SERVICE                 VERISW
000670 00000000                 320 TGNC     DC    A(GNC)        10    $ GNC SERVICE                            VERISW
000674 00000000                 321 TECSMD   DC    A(ECSMC)      11    $ SMD CONTROL                            VERISW
000678 00C00000                 322 TSWMASK  DC    A(SWMASK)     12    $ SOFTWARE MASK                          VERISW
00067C 00000000                 323 TECBRL   DC    A(ECBRL)      13    $ BURST MODE LOGIC                       VERISW
000680 00000000                 324 TSINGLE  DC    A(SINGLE)     14    $ SINGLE COMMAND                         VERISW
000684 00000000                 325 XMAN     DC    A(ECMAN)      15    $ MANUAL TO DRIVER                       VERISW
000688 00C00000                 326 WSEP     DC    A(SEPACM)     16    $ FC TIMELINE EXECUTIVE                  VERISW
00068C 00000000                 327 MSG      DC    A(MSGMAN)     17    $ IC OUTPUT MESSAGE DISPATCHER           VERISW
000690 00000000                 328 TSPM     DC    A(EXSPM)      18    $ SCRATCH PAD MEMORY OUTPUT              VERISW
000694 00000000                 329 TDEPDMP  DC    A(DEPDMP)     19    $ EEP MEMORY DUMP  X'772'              VERISW

000698 80C4                     331 IUON     DC    X'8004'                                                    VERISW
00069A AFFE                     332 AEND     DC    X'AFFE'                                                    VERISW
00069C 0000                     333 ASPM     DC    Y(SPM)                                                     VERISW
00069E 2F80                     334 WSPM0    DC    X'2F80'       WRITE SPM(0)                                 VERISW
0006A0 AFA0                     335 WSPM5    DC    X'AFA0'       WRITE SPM(5)                                 VERISW
0006A2 0FF1                     336 WDPM241  DC    X'0FF1'       WRITE DPM(241)                               VERISW
0006A4 0FFF                     337 WDPM255  DC    X'0FFF'       WRITE DPM(255)                               VERISW
0006A6 0000
0006A8 00C00044                 338 APSPM    DC    F'68'                                                      VERISW
0006AC 00C00684                 339          DC    A(FCURER)                                                  VERISW
0006B0 00000686                 340          DC    A(SPMADDR)                                                 VERISW
0006B4 0004                     341 FCURER   DC    H'4'                                                       VERISW
0006B5 338373F3                 342 SPMADDR  DC    X'338373F3'                                                VERISW
```

```
LOC  OBJECT CODE    ADDR1 ADDR2  STMT   SOURCE STATEMENT                    F22NOV74  10/10/81
                                  344 ********************************************************  VERIS4
                                  345 * IUINT GENERATES A DUMMY FD CONTAINING ONLY THE IUINIT   VERIS4
                                  346 * DATABASE ROUTINE FOR INITIALIZING THE IO COMMAND REGISTERS.  VERIS4
00068A                            347 IUINT  EJU    *                                          VERIS4
                                  348        ENTRY  IUINT                                      VERIS4
00068A                            349        USING  IUINT,12                                   VERIS4
                                  350        PRELOG ISAVE                                      VERIS4
00068A 90EC D00C          00D3C   351+       STM    14,12,12(13) % PROLOG
00068E 18CF                       352+       LR     12,15 %
000690 1B2D                       353+       LR     2,13 %
000692 41DD C096          00750   354+       LA     13,ISAVE %
000696 502D 0004          00004   355+       ST     2,4(13) %
00069A 50D2 0008          00008   356+       ST     13,8(2) %

00069E 74F0 C0E4          0079E   358        LS     15,AFCFLG     # SET STFLG=0                VERIS4
0006A2 1B66                       359        SR     6,6           #                           VERIS4
0006A4 406F 0004          00004   360        STH    6,4(15)       #                           VERIS4
0006A8 7460 C0DE          00798   361        LS     6,AIUCREG     $ INITIALIZE COMMAND REGISTERS, MASKS  VERIS4
0006AC 92CC 6C0C    0C000         362        MVI    0(6),X'00'    $                           VERIS4
0006B0 D21F 6001 6CCC 0C001 00000 363        MVC    1(31,6),0(6)  $                           VERIS4
0006B6 7460 C0E2          0079C   364        LS     6,AIUCAND     $                           VERIS4
0006BA 92CC 6000    0C000         365        MVI    0(6),X'00'    $                           VERIS4
0006BE D21E 6CC1 6CCC 0C001 00000 366        MVC    1(31,6),0(6)  $                           VERIS4
0006C4 7460 C0E0          0079A   367        LS     6,AIUCSET     $                           VERIS4
0006C8 92C0 6000    0C000         368        MVI    0(6),X'00'    $                           VERIS4
0006CC D21E 6001 6CCC 0C001 00000 369        MVC    1(31,6),0(6)  $                           VERIS4
0006D2 2B88                       370        SDR    8,8           # SET UP A TEMPORARY FD TO   VERIS4
0006D4 2B66                       371        SDR    6,6           # INITIALIZE THE COMMAND REGISTERS  VERIS4
0006D6 7460 C0E4          0079E   372        LS     6,AFCFLG      #                           VERIS4
0006DA B850 002A    00000         373        LHI    5,X'002A'     # IUINIT SUBROUTINE NUMBER    VERIS4
0006DE 7470 C0E8          007A2   374        LS     7,AFCCSCT     #                           VERIS4
0006E2 48E7 0C0A          007AA   375        LH     8,10(7)       #  INDEX TO DUMMY FD        VERIS4
0006E6 7470 C0EA          007A4   376        LS     7,AFCCGM      #                           VERIS4
0006EA B880 0001    0C000         377        SHI    8,1           #                           VERIS4
0006EE 8980 0002          00002   378        SLL    8,2           #                           VERIS4
0006F2 4057 800A          0000A   379        STH    5,10(7,8)     # INSERT SUBROUTINE # IN FD MODEL  VERIS4
0006F6 B850 0005    00000         380        LHI    5,X'0005'     #                           VERIS4
0006FA 4056 0000          00000   381        STH    5,0(6)        # FOSEL = '5'               VERIS4
0006FE 4110 C0EE          007AB   382        LA     1,AFCBE       #                           VERIS4
000702 74F0 C0EC          007A6   383        LS     15,APASS0     # PERFORM PASS0,PASSX, AND BEGIN RT  VERIS4
000706 05EF                       384        BALR   14,15         #                           VERIS4
000708 74F0 C0E6          007A0   385        LS     15,APASSX     #                           VERIS4
00070C 05EF                       386        BALR   14,15         #                           VERIS4
00070E 1BFF                       387        SR     15,15         #                           VERIS4
000710 74F0 C2FC          00986   388        LS     15,ARTCMD     #                           VERIS4
000714 05EF                       389        BALR   14,15         #                           VERIS4
                                  390        EPILOG ISAVE                                     VERIS4

000716 58D0 CC0A          00754   392+       L      13,ISAVE+4 %  EPILOG
00071A 98EC D00C          00D0C   393+       LM     14,12,12(13) %
00071E 07FE                       394+       BR     14 %
```

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT F22NOV74 10/14/31

```
000750                          396 ISAVE    DS    18F                                    VERISW
000798 0000                     397 AIUCREG  DC    Y(IUCREG)                              VERISW
00079A 0000                     398 AIUCSET  DC    Y(IUCSET)                              VERISW
00079C 0000                     399 AIUCAND  DC    Y(IUCAND)                              VERISW
00079E 0000                     400 AFOFLG   DC    Y(FOFLG)                               VERISW
0007A0 0000                     401 APASSX   DC    Y(PASSX)                               VERISW
0007A2 0000                     402 AFOCSCT  DC    Y(FOCSCT)                              VERISW
0007A4 0000                     403 AFOCOM   DC    Y(FOCOM)                               VERISW
0007A6 0000                     404 APASSO   DC    Y(PASSO)                               VERISW
0007A8 00C0007AC                405 AFONF    DC    A(FONF)                                VERISW
0007AC C001                     406 KONE     DC    H'1'                                   VERISW
0007B0                          407          DS    0F                                     VERISW
0007B0 00C40000                 408 IGNPSW   DC    X'00040000'                            VERISW
0007B4 C8CCC8DA                 409          DC    X'08',AL3(IOSERV)                      VERISW
0007B8 00C40000                 410 EXTNPSW  DC    X'00040000'                            VERISW
0007BC C80CC850                 411          DC    X'08',AL3(EXTINT)                      VERISW
```

```
                                413 * PRGINTER IS THE PROGRAM CHECK INTERRUPT SERVICE ROUTINE  VERISW
0007C0                          414 PRGINTER DS    0C                                     VERISW
0007C0 90CF 0C80          00080 415          STM   R0,R15,PGMERSAV                        VERISW
0007C4 58C0 0004          00004 416          L     12,4(0)          $ ESTABLISH BASE REGISTER  VERISW
                                417          USING CCDESTRT,12                            VERISW
0007C8 4100 C2A0          00750 418          LA    13,ISAVE         $ SAVE AREA               VERISW
0007CC 4100 0000          00000 419          LA    0,0              $                         VERISW
0007D0 A50C C1F2          006A2 420          SIO   0,0,WDPM241      $                         VERISW
0007D4 4770 C320          007D0 421          BNZ   *-4                                      VERISW
0007D8 9000 C41E    0C8CE       422          SSM   GCTIM            $ LOCK OUT INTERRUPTS     VERISW
0007DC 74F0 C1EC          0069C 423          LS    15,ASPM          $ COMP LOW MEMORY TO SPM  VERISW
0007E0 4110 C344          007F4 424          LA    1,AMCSPM         $                         VERISW
0007E4 05EF                     425          BALR  14,15            $                         VERISW
0007E6 82C0 C398    0C848       426          LPSW  WAITPSW          $ ENTER WAIT STATE        VERISW
0007EA 980F 0C0C          00080 427 SKIP     LM    R0,R15,PGMERSAV                          VERISW
0007EE 82C0 0028    0C028       428          LPSW  PGPSWLLD                                 VERISW
```

```
0007F2 0000
0007F4 C0000F4C                 430 AMCSPM   DC    A(A0)                                  VERISW
0007F8 00C00800                 431          DC    A(NOW)                                 VERISW
0007FC 00000802                 432          DC    A(ASPM208)                             VERISW
000800 0040                     433 NOW      DC    F'64'                                  VERISW
000802 088E4BC829AE6B18         434 ASPM208  DC    X'088E4BC829AE6B18E9B5DD38B878F8'      VERISW
000812 04E444C424A4E4L4         435          DC    X'04E444C424A4E4[illegible]'           VERISW
000822 0C8C4CCC2CAC6CEC         436          DC    X'0C8C4CCC2CAC6CEC1C9C4CDC3CBC7C1C'    VERISW
000832 02E242C222A262F2         437          DC    X'02E242C222A262F2129242D232B272F2'    VERISW
000848                          438          DS    0C                                     VERISW
000848 00C20000                 439 WAITPSW  DC    X'00020000'                            VERISW
00084C 00000000                 440 A0       DC    X'00000000'                            VERISW
```

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT 22NOV76 10/14/81

```
                                    442 * EXTINT IS THE EXTERNAL INTERRUPT (TIMER OR 1HZ) SERVICE ROUTINE          VERISW
000850 90CF 00C0            000C0   443 EXTINT  STM   R0,R15,EXTINTSV                                             VERISW
000854                              444 EXT0    EQU   *                                                          VERISW
000854 A4C5 0000            00000   445         TMRS  0,5,0          $ MARK RTC                                  VERISW
000858 92FF 0051      0C051         446         MVI   ACCR51,X'FF'   $ SET 100 MS MARK                          VERISW
000480                              447         USING CCDESTRT,12                                                VERISW
00085C 58C0 0004            00004   448         L     R12,4(,R0)     $                                         VERISW
000860 4100 C550            00A00   449         LA    R13,S2AREA     $                                         VERISW
000864 9580 001B      0C01B         450         CLI   ACCR1B,X'80'   $ MANUAL MODE?                            VERISW
000868 4780 C3BE            0086E   451         BE    EXT05          $ YES                                     VERISW
00086C 18FF                         452         SR    15,15                                                    VERISW
00086E                              453 EXT05   EQU   *                                                          VERISW
00086E 8000 C41E      0C8CE         454         SSM   GOTIM                                                    VERISW
000872 95FF 0054      00054         455         CLI   84(0),X'FF'    $ MANUAL DRIVER ON                        VERISW
000876 4780 C416            008C6   456         BE    RETRN          $ YES                                     VERISW
00087A 9580 001B      0C01B         457         CLI   EXPSWORD+3,X'80' $ IS THIS A TIMER INTERRUPT             VERISW
00087E 4780 C3FA            008AA   458         BE    EXT1           $ YES                                     VERISW
000882 A432 C420            008D0   459         TMRS  3,2,TIME       $ RELOAD TIMER (100 MS)                   VERISW
000886 5830 0044            00044   460         L     3,ADDR44       $                                         VERISW
00088A BA30 0001      0C000         461         AHI   3,1            $                                         VERISW
00088E 5030 0044            00044   462         ST    3,ADDR44       $ INCREMENT 1HZ OCCURRENCE COUNTER        VERISW
000892 97FF 0050      0C050         463         XI    ACCR50,X'FF'   $ FLIP-FLOP MESSAGE DISPATCHER           VERISW
000896 95FF 0050      0C050         464         CLI   ACCR50,X'FF'   $ ACTIVATE ON EVERY OTHER 1HZ            VERISW
00089A 4770 C3F2            008A2   465         BNE   EXT01          $                                         VERISW
00089E 92FF C10C      0C68C         466         MVI   MSG,X'FF'      $ ACTIVATE MESSAGE DISPATCHER TASK        VERISW
0008A2                              467 EXT01   EQU   *                                                          VERISW
0008A2 92FF C1E0      0C690         468         MVI   TSPM,X'FF'     $ ACTIVATE SCRATCH PAD MEMORY TASK        VERISW
0008A6 92FF 0008      0C008         469         MVI   8(0),X'FF'     $ SET 1HZ EVENT FLAG                      VERISW
0008AA                              470 EXT1    EQU   *                                                          VERISW
0008AA 1866                         471         SR    6,6                                                      VERISW
0008AC 7460 C422            008D2   472         LS    6,ATLBUF                                                 VERISW
0008B0 4866 000A            0000A   473         LH    6,10(6)                                                  VERISW
0008B4 A960 0008      0C000         474         CSI   6,8                                                      VERISW
0008B8 4780 C410            008C0   475         BE    EXT2                                                     VERISW
0008BC A432 C420            008D0   476         TMRS  3,2,TIME                                                 VERISW
0008C0                              477 EXT2    EQU   *                                                          VERISW
0008C0 74F0 C5C6            00986   478         LS    15,ARTCMD      $ PERFORM COMMAND REGISTER OUTPUT         VERISW
0008C4 05EF                         479         BALR  14,15          $                                         VERISW
0008C6                              480 EXT3    EQU   *                                                          VERISW
0008C6                              481 RETRN   EQU   *                                                          VERISW
0008C6 980F 00C0            00DC0   482         LM    0,15,EXTINTSV  $ RETURN FROM LEVEL 1                     VERISW
0008CA                              483 EXT77   EQU   *                                                          VERISW
0008CA 82C0 0018      0C018         484         LPSW  ACCR18         $                                         VERISW

0008CE 80C4                         486 GOTIM   DC    X'80C4'                                                  VERISW
0008D0 0377                         487 TIME    DC    F'887'                                                   VERISW
0008D2 00C0                         488 ATLBUF  DC    Y(TEBUF)                                                 VERISW
0008D4 0000                         489 ADEPCCM DC    Y(DEPCCM)                                                VERISW

0008D6 8200 0020      0C020         491 SVCINT  LPSW  SVCPSWLD         $ SVC INT. SERVICE ROUTINE               VERISW
                                    492 *                                                                        VERISW
0008DA                              493 IOSERV  EQU   *                                                          VERISW
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manual mode?

ORIGINAL PAGE IS
OF POOR QUALITY

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LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT			
0008DA	92FE C19C	0C64C		494	MVI TIGINT,X'FF'	MVI	X'64C', X'FF'	VERISW
0008DE	9200 0038	00038		495	LPSW TCPSW1LLD			VERISW

Recover from early IN2 (p. 11)

	CLC	1E(2), EXTHIGH	
	BL	L1	
	CLC	1E(2), EXTLOW	
	BL	RETRN	
	CLC	1E(2), RTCHIGH	
	BL	L1	
	CLC	1E(2), RTCLOW	
	BL	RETRN	
	CLC	1E(2), IOCHIGH	
	BL	L1	
	CLC	1E(2), IOCLOW	
	BL	RETRN	
	CLC	1E(2), AGAINHIGH	
	BL	L1	
	CLC	1E(2), APPLOW	
	BL	RETRN	
L1	MVC	S(SAVE),18	
	STM	0,15, EXITREG	
	B	EXIT	
RETRN	ST	3,SAVE3	
	LH	3,CT	
	AHI	3,1	
	STH	3,CT	
	L	3,SAVE3	
EXIT	LPSW	18	
EXTHIGH	DC	H'86E'	
EXTLOW	DC	H'8CE'	
RTCHIGH	DC	H'950'	
RTCLOW	DC	H'0064'	
SUCCESS	DC	H'1600'	
IOCLOW	DC	H'1F76'	
IOCHIGH	DC	H'2198'	
TCPLOW	DC	H'2200'	
CT	DC	H'0'	
	DS	0H	
SAVE3	DS	F	
SAVE	DS	18F	

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 LOC   OBJECT CODE    ADDR1 ADDR2  STMT   SOURCE STATEMENT                                F22NOV74  10/14/81

0008E2 900F 0100            00100  497 IOINT    STM   0,15,ICINTSV          $ TO INTERRUPT SERVICE ROUTINE      VERISW
000480                              498          USING CCDESTRI,12                                               VERISW
0008E6 58C0 0004            00004  499          L     12,4(,0)                                                  VERISW
0008EA 4100 C598            00A48  500          LA    13,S4AREA                                                 VERISW
0008EE 7410 003A            0003A  501          LS    1,IOPSWOLD+2                                              VERISW
0008F2 28EE                        502          SDR   14,14                                                     VERISW
0008F4                             503 I01      EQU   *                                                         VERISW
0008F4 8820 0008      0C000        504          LHI   2,8       LOOK UP 8 INTERRUPTS                            VERISW
0008F8 4130 C4C8            00978  505          LA    3,ITAB    INTERRUPT TABLE                                 VERISW
0008FC                             506 I06      EQU   *                                                         VERISW
0008FC 6513 0000            00000  507          CLS   1,0(3)    IS THIS THE INTERRUPT                           VERISW
000900 4770 C460            00910  508          BNE   I07       NO                                              VERISW
000904 18FF                        509          SR    15,15                                                     VERISW
000906 74F3 0002            00002  510          LS    15,2(3)   YES PICK UP SUBROUTINE ADDRESS                  VERISW
00090A 7433 0004            00004  511          LS    3,4(3)    PICK UP NEXT INST ADDRESS                       VERISW
00090E 07F3                        512          BR    3         GO TO NEXT INST.                              VERISW
000910                             513 I07      EQU   *                                                         VERISW
000910 4133 0006            00006  514          LA    3,6(3)    ADVANCE POINTER INTO INTERRUPT TABLE            VERISW
000914 4620 C44C            008FC  515          BCT   2,I06     LAST INTERRUPT?                                 VERISW
000918 18EE                        516          SR    14,14     $ FORCE RESET BUFFERS                           VERISW
00091A 50E0 0C0C            0000C  517          ST    14,12(0)  $                                               VERISW
00091E 47F0 C4BE            0096E  518          B     RETURN                                                    VERISW
000922                             519 R6000    EQU   *                 CLEAR BUFFER #1                         VERISW
000922 9620 004E      0C04E        520          OI    ACCR4E,X'20'                                              VERISW
000926                             521 R60001   EQU   *                                                         VERISW
000926 92C0 000C      0C00C        522          MVI   12(0),X'00'                                               VERISW
00092A 92C0 000E      0000E        523          MVI   14(0),X'00'                                               VERISW
00092E 47F0 C4BE            0096E  524          B     RETURN                                                    VERISW
000932                             525 R6001    EQU   *                 CLEAR BUFFER #2                         VERISW
000932 9610 004E      0C04E        526          CI    ACCR4E,X'10'                                              VERISW
000936                             527 R60011   EQU   *                                                         VERISW
000936 92C0 000D      0C00D        528          MVI   13(0),X'00'                                               VERISW
00093A 92C0 000F      0000F        529          MVI   15(0),X'00'                                               VERISW
00093E 47F0 C4BE            0096E  530          B     RETURN                                                    VERISW
000942                             531 R6002    EQU   *                 RETRANSMIT BUFFER #1                    VERISW
000942 9660 004E      0C04E        532          CI    ACCR4E,X'80'                                              VERISW
000946 95C0 000E      0000E        533          CLI   14(0),X'00'                                               VERISW
00094A 4780 C476            00926  534          BE    R60001                                                    VERISW
00094E 92FF 000C      0000C        535          MVI   12(0),X'FF'                                               VERISW
000952 47F0 C4B6            00966  536          B     REUFX                                                     VERISW
000956                             537 R6003    EQU   *                 RETRANSMIT BUFFER #2                    VERISW
000956 9640 004E      0C04E        538          CI    ACCR4E,X'40'                                              VERISW
00095A 95C0 000F      0000F        539          CLI   15(0),X'00'                                               VERISW
00095E 4780 C486            00936  540          BE    R60011                                                    VERISW
000962 92FF 000D      0C00D        541          MVI   13(0),X'FF'                                               VERISW
000966                             542 REUFX    EQU   *                                                         VERISW
000966 41F0 C5E4            0DA94  543          LA    15,TABumBUF                                               VERISW

00096A                             545 RLT      EQU   *                                                         VERISW
00096A 92FF F000      0C000        546          MVI   0(15),X'FF'     SCHEDULE TASK                             VERISW

00096E                             549 RETURN   EQU   *                                                         VERISW
00096E 98CF 0100            00100  549          LM    0,15,ICINTSV                                              VERISW
000972 07FE                        550          BR    14                                                        VERISW
000974                             551 I077     EQU   *                                                         VERISW
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 LOC  OBJECT CODE    ADDR1 ADDR2  STMT   SOURCE STATEMENT                    F22NOV74  10/14/81

000974 82C0 0038       00038      552          LPSW  ICPSWCLD                              VERISW


000978                            554          DS    0F                                    VERISW
000978                            555 ITAB     EQU   *                                     VERISW
000978 2065                       556          DC    X'2065'    I/O MESSAGE INTERRUPT      VERISW
00097A 0658                       557          DC    Y(ITSTASK)      SCHEDULE STASK        VERISW
00097C 096A                       558          DC    Y(RET)                                VERISW


00097E 2081                       560          DC    X'2081'    GNC INTERRUPT              VERISW
000980 0670                       561          DC    Y(TGNC)    SCHEDULE GNC               VERISW
000982 096A                       562          DC    Y(RET)                                VERISW


000984 201F                       564          DC    X'201F'    DUMP DEP                   VERISW
000986 0654                       565          DC    Y(TDEPDMP) SCHEDULE DEPDMP            VERISW
000988 096A                       566          DC    Y(RET)                                VERISW


00098A 6000                       568          DC    X'6000'    BUF 1 CLEAR                VERISW
00098C 0000                       569          DC    H'0'                                  VERISW
00098E 0922                       570          DC    Y(R6000)                              VERISW


000990 6001                       572          DC    X'6001'    BUF 2 CLEAR                VERISW
000992 0000                       573          DC    H'0'                                  VERISW
000994 0932                       574          DC    Y(R6001)                              VERISW


000996 6002                       576          DC    X'6002'    RETRANSMIT BUF 1           VERISW
000998 0000                       577          DC    H'0'                                  VERISW
00099A 0942                       578          DC    Y(R6002)                              VERISW


00099C 6003                       580          DC    X'6003'    RETRANSMIT BUF 2           VERISW
00099E 0000                       581          DC    H'0'                                  VERISW
0009A0 0956                       582          DC    Y(R6003)                              VERISW
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000942 0000                      584 ASTATE   DC    Y(DEPCOM)                                  VERISK
000944 C0C0C000                  585 ASTATW1  DC    A(OUTCOM)                                  VERISK
000948 00CC094C                  586          DC    A(KNUM)                                    VERISK
00094C 00CCCC6C                  587 KNUM     DC    F'96'                                      VERISK
000980 0000                      588 AZAP     DC    Y(ZAP)                                     VERISK
000982 0000                      589 ASEX     DC    Y(SEX)                                     VERISK
000984 88FF                      590 IUICCODE DC    X'88FF'   READ IU IO CODE FROM DP4(FF)     VERISK
000986 0000                      591 ARTCMD   DC    Y(RTCMD)                                   VERISK
000988 00C00CCCCCCCCCC0          592 SAVEAREA DC    18F'0'                                     VERISK
000A00 00CCC0C0CCCCCCCC          593 S2AREA   DC    18F'0'                                     VERISK
000A48 00C000C0CCCCCCC0          594 S4AREA   DC    18F'0'                                     VERISK
000A90 00C00000                  595 ZERO     DC    F'0'                                       VERISK

000A94                           597 ACUMBF   EQU   *          $ ACUMBF IS SCHEDULED WHEN THERE IS A   VERISK
                                 598          ENTRY ACUMBF     $ RETRANSMIT  INTERRUPT RECEIVED FROM THE  VERISK
000A94                           599          USING ACUMBF,12  $ IO.  THE PREVIOUS BUFFER IS OUTPUT.   VERISK
                                 600          PROLOG CSAVE                                       VERISK
000A94 90EC D00C        000D0C   601+         STM   14,12,12(13) % PROLOG
000A98 18CF                      602+         LR    12,15 %
000A9A 1820                      603+         LR    2,13 %
000A9C 4100 C028        000ABC   604+         LA    13,CSAVE %
000AA0 5020 0004        000AC4   605+         ST    2,4(13) %
000AA4 50C2 0008        000AC8   606+         ST    13,8(2) %

000AA8 411C C070        000BC4   608          LA    1,AMSGO                                    VERISK
000AAC 74FC CC78        000BCC   609          LS    15,AMSOUT                                  VERISK
000AB0 05EF                      610          BALR  14,15                                      VERISK
                                 611          EPILOG CSAVE                                       VERISK

000AB2 58C0 C02C        000AC0   613+         L     13,CSAVE+4 %  EPILOG
000AB6 58EC D00C        000ACC   614+         LM    14,12,12(13) %
000ABA 07FE                      615+         BR    14 %
000ABC C0C0CCCCCCCC00CC          616 CSAVE    DC    18F'0'                                     VERISK
000B04 80CCCCC8                  617 AMSGO    DC    X'80',AL3(MO)                              VERISK
000B08 00CC0000                  618 MO       DC    F'0'                                       VERISK
000B0C 0000                      619 AMSOUT   DC    Y(MSOUT1)                                  VERISK
C00000                           620          END   DRIVER                                     VERISK
```

POS.ID	REL.ID	FLAGS	ADDRESS
01	01	CE	000005
01	01	CE	000950
01	01	CE	000965
01	01	CE	000969
01	01	CE	000975
01	01	CE	000970
01	01	CC	00064C
01	01	CC	000650
01	01	0C	000654
01	01	0C	0006AC
01	01	0C	0006B0
01	01	0C	0007A0
01	01	CE	000785
01	01	CE	0007BD
01	01	0C	0007F4
01	01	0C	0007F8
01	01	0C	0007FC
01	01	04	00097A
01	01	04	000970
01	01	C4	000980
01	01	04	000982
01	01	04	000986
01	01	04	000988
01	01	04	00098E
01	01	04	000994
01	01	C4	00099A
01	01	C4	0009A0
01	01	0C	0009A8
01	01	CE	0008C5
01	02	C4	0009B0
01	04	0C	000690
01	05	04	0007A6
01	06	C4	0006AC
01	07	0C	000660
01	08	0C	000684
01	09	0C	000658
01	0A	0C	0006TC
01	0B	0C	000654
01	0C	C4	0009B6
01	0D	0C	00065C
01	0E	C4	0008D4
01	0E	C4	0009A2
01	0F	0C	000688
01	10	C4	0009B0C
01	12	0C	0009A4
01	13	0C	000664
01	14	0C	000668
01	15	0C	00066C
01	16	0C	000670
01	17	0C	000678
01	18	0C	000680
01	1A	C4	00079E
01	1B	C4	000798
01	1C	C4	00079C
01	1D	C4	00079A

POS.ID	REL.ID	FLAGS	ADDRESS
01	1E	04	0009B2
01	1F	0C	0006BC
01	20	C4	0007A0
01	21	C4	0007A2
01	22	C4	0007A4
01	23	CC	000674
01	24	C4	000BD2

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SYMBOL	LEN	VALUE	DEFN	REFERENCES
ADDR1B	00001	00C01B	00119	0212 0450
ADDR14C	00001	00C14C	00116	
ADDR18	00001	00CC18	00118	0484
ADDR180	00001	00C180	00113	
ADDR4E	00001	00CC4E	00110	0520 0526 0532 0538
ADDR40	00001	00C040	00120	
ADDR44	00001	00CC44	00112	0271 0460 0462
ADDR48	00001	00C048	00117	
ADDR5C	00001	00CC5C	00121	
ADDR5E	00001	00CC5E	00122	0179 0205
ADDR50	00001	00CC50	00114	0463 0464
ADDR51	00001	00CC51	00111	0291 0293 0446
ADDR58	00001	00CC58	00115	0221
ADDR7C	00001	00CC7E	00124	0181
ADDR78	00001	00CC78	00123	0220
ADEPCOM	00002	00C8D4	00489	0267
ADU4BF	00001	00CA54	00597	0313 0543 0598 0599
AEND	00002	00C69A	00332	0195
AFDCOM	00002	00C7A4	00403	0376
AFDCSCT	00002	00C7A2	00402	0374
AFDFLG	00002	00C7SE	00400	0242 0256 0358 0372
AFDNE	00004	00C7A8	00405	0382
AIUCMD	00002	00C79C	00399	0364
AIUCREG	00002	00C7S6	00397	0361
AIUCSET	00002	00C7SA	00398	0367
AMCSPM	00004	00C7E4	00430	0424
AMSGO	00001	00CB04	00617	0608
AMSOUT	00002	00CBCC	00619	0609
APASSX	00002	00C7A0	00401	0385
APASSO	00002	00C7A6	00404	0383
APSPM	00004	00C6A8	00338	0295
ARTCMD	00002	00C5B6	00591	0338 0478
ASEX	00002	00C9B2	00589	
ASPM	00002	00C69C	00333	0294 0423
ASPM208	00016	00CE02	00434	0432
ASTATE	00002	00C5A2	00584	0236
ASTATWL	00004	00C9A4	00585	0236
ATLBUF	00002	00C8D2	00488	0472
AZAP	00002	00C9B0	00588	0239
A0	00004	00C84C	00440	0430
BIOSTW	00004	00CC4C	00137	
CKSUM	00004	00CC4C	00139	
C4DUP	00004	00C810	00131	
CODESTRT	00008	00C4B0	00172	0127 0173 0417 0447 0458
CODE001	00001	00C4E2	00189	0192
CODE40	00001	00C516	00206	0213 0216
CODE45	00001	00C526	00211	0204
COD02	00001	00C4F2	00196	0199
COD1	00001	00C55C	00226	0229
CONT	00001	00CE12	00287	0283
DEPCOM	00001	00CCCC	00076	0439 0504
DEPDMP	00001	00C0C0	00075	0129
DRIVER	00001	00C1C0	00072	0620
DSAVE	00004	00CA8C	00616	0604 0613
ECBML	00001	00C080	00075	0323

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SYMBOL	LOC	VALUE	DEF #	REFERENCES
ECHO	00001	0000130	00075	0315
ECMAG	00001	0000200	00077	0319
ECMAN	00001	0000000	00074	0325
ECPCF	00001	0000000	00077	0318
ECSMD	00001	0000000	00072	0321
EXPSWOLD	00001	0000118	00103	0457
EXSPV	00001	0000000	00073	0328
EXTINT	00004	0000850	00443	0411
EXTINTSV	00001	0000000	00107	0443 0482
EXTNEW	00004	0000058	00142	
EXTNPSW	00004	0000788	00410	0221
EXTOLD	00004	0000018	00132	
EXTO	00001	0000054	00444	
EXT01	00001	0000AA2	00467	0465
EXT05	00001	0000EEE	00453	0451
EXT1	00001	0000BAA	00470	0459
EXT2	00001	0000BC0	00477	0475
EXT3	00001	0000BCE	00480	
EXT7	00001	0000BCA	00483	0143 0178
FLAGSX	00004	0000050	00140	
FOCO4	00001	0000000	00081	0403
FOCSCT	00001	0000000	00081	0402
FOFLG	00001	0000000	00078	0400
FUMAN	00004	0000054	00141	
FOURFR	00002	0000684	00341	0339
GNC	00001	0000000	00077	0320
GOTIM	00002	0000BCE	00486	0422 0454
HITIM7	00004	0000008	00128	0083
IBLK	00001	0000020	00109	
IOINT	00004	0000BE2	00497	0311
IOINTSV	00001	0000100	00108	0497 0549
IONEW	00004	0000078	00150	
IONPSW	00004	0000700	00408	0220
IOOLD	00004	0000038	00136	
IOOM	00002	0000658	00331	0209 0244
IOPSWOLD	00001	0000038	00105	0495 0501 0552
IOSERV	00001	0000BDA	00493	0409
IO1	00001	0000BF4	00503	
IO6	00001	0000BFC	00506	0515
IO7	00001	0000510	00513	0508
IO77	00001	0000574	00551	0151 0180
IPLPSW	00004	0000000	00126	
ISAVE	00004	0000750	00396	0354 0392 0418
ITAB	00001	0000578	00555	0505
IUCAND	00001	0000000	00079	0399
IUCMD	00001	0000000	00076	
IUCREG	00001	0000000	00079	0397
IUCSET	00001	0000000	00079	0398
IUINT	00001	0000DBA	00347	0312 0348 0349
IUIOCODE	00002	0000584	00560	
KNUM	00004	0000AC	00537	0506
KONE	00002	0000740	00408	0435
LOOP	00001	0000600	00281	0289
MANUAL	00001	0000000	00077	0317
MBSY	00002	0000DDE	00130	

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SYMBOL	LEN	VALUE	DEFN	REFERENCES
MCUEH	00004	000070	00148	
MCOLD	00004	000030	00135	
MRET	00002	000000	00129	
MSG	00004	0006FC	00327	0083 0249 0466
MSGHAN	00001	000000	00080	0327
MSOUTI	00001	000000	00076	0619
MO	00004	000008	00618	0617
NOW	00002	000800	00433	0431
OUTCOM	00001	000000	00076	0565
PASSX	00001	000000	00081	0401
PASSO	00001	000000	00074	0404
PATCH	00001	000000	00074	0316
PGMERSAV	00001	000080	00106	0415 0427
PGPSWOLD	00001	000028	00102	0428
PITS	00001	000000	00077	
PRGNITER	00005	0007C0	00414	0147 0149
PRGNEW	00004	000068	00146	
PRGOLD	00004	000028	00134	
RBUFX	00001	0005E6	00542	0536
RET	00001	0005EA	00545	0558 0562 0566
RETRN	00001	000BC6	00481	0456
RETURN	00001	0005EE	00548	0518 0524 0530
RTCII	00004	000048	00138	
RTCMD	00001	000000	00075	0591
RUN	00001	0005E8	00246	0292 0297
RUN11	00001	0005AC	00252	0248
RUN12	00001	0005BC	00254	0251
RUN13	00001	0005CA	00263	0259
RUN14	00001	0005FC	00274	
RUN15	00001	0005F4	00276	0270 0273
RUN16	00001	0005FE	00278	0265
RWDPMFF	00001	000634	00299	
RWDPMF1	00001	000640	00305	0208 0215
R0	00001	000000	00086	0415 0427 0443 0448
R1	00001	000000	00087	0177
R10	00001	000000	00096	
R11	00001	000000	00097	
R12	00001	000000	00098	0174 0175 0448
R13	00001	000000	00099	0449
R14	00001	000000	00100	
R15	00001	000000	00101	0415 0427 0443
R2	00001	000002	00088	0177
R3	00001	000003	00099	
R4	00001	000004	00090	
R5	00001	000005	00091	
R6	00001	000006	00092	
R6000	00001	0005D2	00519	0570
R60001	00001	0005D6	00521	0534
R6001	00001	0005D2	00525	0574
R60011	00001	0005D6	00527	0540
R6002	00001	0005E2	00531	0578
R6003	00001	0005E6	00537	0582
R7	00001	000007	00093	
R8	00001	000008	00094	
R9	00001	000009	00095	

10/14/81

SYMBOL	LEN	VALUE	DEFN	REFERENCES		
SAVEAREA	00004	00C518	00502	0176		
SEPACM	00001	00C000	00076	0326		
SEX	00001	00C000	00080	0586		
SINGLE	00001	00C006	00077	0324		
SKIP	00004	00C7EA	00427			
SPM	00001	00C000	00074	0323		
SPMADDR	00004	00C4B6	00342	0340		
STASK	00001	00C000	00075	0314		
STATW1	00001	00C0C0	00073			
SVCINT	00004	00C8D6	00491	0145		
SVCNEW	00004	00CC60	00144			
SVCOLD	00004	00C02C	00133			
SVCPSWLD	00001	00C020	00104	0491		
SWMASK	00001	00C000	00077	0322		
S2AREA	00004	00CAC0	00593	0449		
S4AREA	00004	00CA48	00594	0500		
TADUMBF	00004	00C654	00313			
TDEPDMP	00004	00C694	00329	0565		
TECBML	00004	00067C	00323	0084	0275	
TECFD	00004	00C65C	00315	0084		
TECMAG	00004	00C66C	00319	0084		
TECPCF	00004	00C668	00318	0084		
TECSMD	00004	00C674	00321	0085	C262	
TGHC	00004	00067C	00320	0561		
TIME	00002	00C8D0	00487	0459	C476	
TIOINT	00004	00C64C	00311	0494		
TLBUF	00001	00C000	00082	0488		
TMANUAL	00004	00C6E4	00317	0085		
TPATCH	00004	00C6E0	00316	0084		
TSINGLE	00004	00C680	00324	0084		
TSPM	00004	00C690	00328	0468		
TSTASK	00004	00C658	00314	0557		
TSWMASK	00004	00C678	00322			
V00	00004	00C0C0	00153			
V100	00004	00C100	00154			
V140	00004	00C140	00155			
V180	00004	00C180	00156			
V80	00004	00C080	00152			
WAITPSW	00004	00C848	00439	0426		
WDPM241	00002	00C6A2	00336	0306	C420	
WDPM255	00002	00C6A4	00337	0301		
WIOI	00004	00C650	00312	0232		
WORKLIST	00004	00064C	00310	0083	C225	0280
WSEP	00004	00C6E8	00326	0231	C253	
WSPMD	00002	00C65E	00334	0183	C201	
WSPM5	00002	00C6A0	00335	0214		
XMAN	00004	00C6E4	00325	0083		
ZAP	00001	00C0C0	00073	0598		
ZERO	00004	00CA50	00595	0177		

STMT ERROR CODE MESSAGE 10/14/31

IEUC4C AT LEAST ONE RELOCATABLE Y-TYPE CONSTANT IN ASSEMBLY

NO STATEMENTS FLAGGED IN THIS ASSEMBLY
4 WAS HIGHEST SEVERITY CODE
STATISTICS SOURCE RECORDS (SYSIN) = 598
OPTIONS IN EFFECT LIST, NODECK, LOAD, NORENT, XREF, NOTEST, ALGN, DS, NOTERM, LINECNT = 55
953 PRINTED LINES

SYMBOL	TYPE	ID	ADDR	LENGTH	LD ID
STASK	SD	01	C0D0C0	000148	
TECPCF	ER	02			
TECFD	ER	03			
XHAN	ER	04			
TECMAG	ER	05			
TPATCH	ER	06			
TSINGLE	ER	07			
RTDRV	ER	08			
TMANUAL	ER	09			
MSGIN	ER	0A			
MSGCOM	ER	0B			
SPM	ER	0C			
ECPCF	ER	0D			
ECFD	ER	0E			
ECMAG	ER	0F			
WORKLIST	ER	10			
SINGLE	ER	11			

```
 LOC  OBJECT CODE    ADDR1 ADDR2  STMT   SOURCE STATEMENT                                  F22MJV74  10/14/81
                                     1          PRINT OFF                                                  VERISW
                                    20 ************************************************************      VERISW
                                    21 ************************************************************      VERISW
                                    22 **  ROUTINE:      STASK                                       **    VERISW
                                    23 **                                                            **    VERISW
                                    24 **  FUNCTION:     THIS SUBROUTINE PERFORM THE REAL-TIME TASK SCHED-  **    VERISW
                                    25 **                ULING VIA THE HANDLING OF EC-DEP INPUT MESSAGES.   **    VERISW
                                    26 **                                                            **    VERISW
                                    27 **  NOTE:         STASK CONTINUOUSLY CHECKS INPUT MESSAGES FROM THE  **    VERISW
                                    28 **                TO AND ROUTES THEM TO THE PROPER DEP SUBROUTINE    **    VERISW
                                    29 **                FOR EXECUTION BASED UPON THE MESSAGE BLOCK ID:     **    VERISW
                                    30 **                                                            **    VERISW
                                    31 **  BLOCK ID:     9XXX = CALL ECPCF (PARAMETER UPDATE)               **    VERISW
                                    32 **                8XXX = CALL ECFC  (FC PROCESSOR)                   **    VERISW
                                    33 **                AXXX = CALL ECMAG (MAGNETIC FIELD CALCULATIONS)    **    VERISW
                                    34 **                BXXX = CALL SINGLE (SINGLE COMMAND )               **    VERISW
                                    35 **                CXXX = CALL MANUAL (MANUAL STEP FU)                **    VERISW
                                    36 **                                                            **    VERISW
                                    37 **                                                            **    VERISW
                                    38 ************************************************************      VERISW
                                    39 ************************************************************      VERISW
 000000                             40 STASK   CSECT                                                      VERISW
                                    41         EXTRN  TECPCF,TECFC,XMAN,TECMAG                            VERISW
                                    42         EXTRN  TPATCH,TSINGLE,RTJRV,TMANUAL                        VERISW
                                    43         EXTRN MSGIN,MSGCOM,SPM                                     VERISW
                                    44         EXTRN ECPCF,ECFC,ECMAG                                     VERISW
                                    45         EXTRN WORKLIST,SINGLE                                      VERISW
 000000                             46         CSTMG STASK,12                                             VERISW
                                    47         PRCLOG SAVE                                                VERISW
 000000 90EC D00C          000CC   48+        STM   14,12,12(13) * PROLOG
 000004 18CF                       49+        LR    12,15 *
 000006 182D                       50+        LR    2,13 *
 000008 4100 C0AC          000AC   51+        LA    13,SAVE *
 00000C 502D 0004          00004   52+        ST    2,4(13) *
 000010 5002 00C8          00008   53+        ST    13,8(2) *

 000014 74F0 C0F6          000F6   55         LS    15,AMSGIN     * READ IN THE MESSAGE FROM DPM               VERISW
 000018 05EF                       56         BALR  14,15         *                                            VERISW
 00001A 1B44                       57         SR    4,4           # TEST BLOCK ID TO DETERMINE THE TASK         VERISW
 00001C 7440 C0F4          000F4   58         LS    4,A(SUCCY     # OR LOGIC TO BE PERFORMED.                  VERISW
 000020 1B33                       59         SR    3,3           #                                            VERISW
 000022 7430 4002          00002   60         LS    3,2(,4)       #                                            VERISW
 000026 8430 F000    00000         61 GOOD    NSI   3,X'F000'     #                                            VERISW
 00002A 8830 000C          000DC   62         SRL   3,12          # FETCH THE BLOCK ID FOR INSPECTION          VERISW
 00002E A930 0000    00000         63         CSI   3,X'0000'     # TEST FOR VALID BLOCK ID                    VERISW
 000032 4720 C096          00096   64         BH    RXIT          #     BLOCK ID NOT VALID                     VERISW
 000036 A930 0008    00000         65         CSI   3,8           #                                            VERISW
 00003A 4740 C096          00096   66         BL    RXIT          #                                            VERISW
 00003E 8B30 0008    00000         67         SHI   3,8           #GENERATE TABLE INDEX INTO TAL               VERISW
 000042 8930 0002          00002   68         SLL   3,2           #                                            VERISW
 000046 48F3 C0F8          000F8   69         LH    15,TAB(3)     #  PICK UP ADDRESS                           VERISW
 00004A 1B55                       70         SR    5,5           *                                            VERISW
 00004C 7453 C0FA          000FA   71         LS    5,TAB+2(3)    #  SAVE BLOCK FOR SPM LATER                  VERISW
 000050                            72 RXIT    EQU   *                                                      VERISW
 000050 92FF F000    00000         73         MVI   0(15),X'FF'   #; SCHEDULE TASK                          VERISW
```

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT F22NOV74 10/14/81

```
                                    74 */                                                                   VERISW
                                    75 *        OUTPUT TO SPM                                               VERISW
                                    76 *                                                                    VERISW
000054 4144 C002            00002   77          LA    4,2(4)          $                                     VERISW
000058 5040 C110            00110   78          ST    4,APSPM39       $  SET FOR OUTPUT                     VERISW
00005C 5040 C11C            0011C   79          ST    4,APSPM10       $                                     VERISW
000060 8950 0C00      0C000         80          CHI   5,0             $                                     VERISW
000064 4780 CC96            00096   81          BE    NXT9            $  NOTHING TO OUTPUT                  VERISW
000068 8950 0C0A      0C000         82          CHI   5,10            $                                     VERISW
00006C 4780 CC36            00086   83          BE    NXT14           $  BLOCK ID                           VERISW
                                    84 *        OUTPUT BLOCK B,S                                            VERISW
000070 4110 C110            00110   85          LA    1,APSPM39       $                                     VERISW
000074 8950 00C8      0C000         86          CHI   5,8             $                                     VERISW
000078 4780 C090            00090   87          BE    NXT20           $                                     VERISW
                                    88 *                                                                    VERISW
00007C D23F 4040 4C0C 0C040 00000   89          MVC   64(64,4),0(4)   $ MOVE TO MSG BLK 9                   VERISW
000082 47F0 C090            00090   90          B     NXT20           $                                     VERISW
000086                              91 NXT14    EQU   *                                                     VERISW
000086 D23F 408C 4C00 0C080 00000   92          MVC   128(64,4),0(4)  $  MOVE TO MSG BLK ID                 VERISW
00008C 4110 C11C            0011C   93          LA    1,APSPM10       $                                     VERISW
000090                              94 NXT20    EQU   *                                                     VERISW
000090 74F0 C146            00146   95          LS    15,ASPM         $$ SPM                                VERISW
000094 0EEF                         96          BALR  14,15           $  OUTPUT TO SPM                      VERISW
000096 1B33                         97 NXT9     SR    3,3             $                                     VERISW
000098 7440 C0F4            000F4   98          LS    4,AMSGCOM       $                                     VERISW
00009C 4030 4000            00000   99          STH   3,0(,4)         $                                     VERISW
                                   100          EPILOG SAVE                                                 VERISW

0000A0 5800 C090            00080  102+         L     13,SAVE+4 %  EPILOG
0000A4 98EC D00C            000CC  103+         LM    14,12,12(13) %
0000A8 07FE                        104+         BR    14 %
0000AA 0000
0000AC 00000000000000C0             105 SAVE    DC    18F'0'                                                VERISW
0000F4 0000                         106 AMSGCOM DC    Y(PSGCOM)                                             VERISW
0000F6 0000                         107 AMSGIN  DC    Y(PSGIN)                                              VERISW

0000F8                              109 TAB     EQU   *                                                     VERISW
0000F9 0000                         110         DC    Y(TECPCF) ECPCF  TASK ID                            VERISW
0000FA 00C8                         111         DC    H'0'             BLOCK ID                            VERISW

0000FC 0000                         113         DC    Y(TECFCT) ECFC   TASK ID                            VERISW
0000FE 0009                         114         DC    H'9'             BLOCK ID                            VERISW

000100 0000                         116         DC    Y(TECMAC) ECMAC  TASK ID                            VERISW
000102 009A                         117         DC    H'13'            BLOCK ID                            VERISW

000104 0000                         119         DC    Y(TSINGLE) SINGLE TASK ID                            VERISW
000106 0000                         120         DC    H'0'             BLOCK ID                            VERISW

000108 00C0                         122         DC    Y(TMANUAL) MANUAL TASK ID                            VERISW
00010A 0000                         123         DC    H'0'             BLOCK ID                            VERISW

00010C 0000                         125         DC    Y(TPATCH) PATCHER TASK ID                            VERISW
00010E 0000                         126         DC    H'0'             BLOCK ID                            VERISW
```

```
 LOC  OBJECT CODE    ADDR1 ADDR2  STMT   SOURCE STATEMENT                    F22NOV74  10/14/81

000110 00000000                   129 APSPM89  DC    A(0)                                VERISW
000114 00C0012A                   129          DC    A(EIGHT)                            VERISW
000118 80000120                   130          DC    X'80',AL3(SPM89)                    VERISW
00011C 00000000                   131 APSPM10  DC    A(0)                                VERISW
000120 00C00123                   132          DC    A(AL7)                              VERISW
000124 80C00134                   133          DC    X'80',AL3(SPM10)                    VERISW
000128 0011                       134 M17      DC    H'17'                               VERISW
00012A 0008                       135 EIGHT    DC    H'8'                                VERISW
00012C 2DAC6DEC1D9D5DDD           136 SPM89    DC    X'2DAC6DEC1D9D5DDD'                 VERISW
000134 41C121A161E11191           137 SPM10    DC    X'41C121A161E11191C131C1/1F10989499' VERISW
000145 00
000146 0000                       138 ASPM     DC    Y(SPM)                              VERISW
000000                            139          END   STASK                               VERISW
```

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POS.ID	REL.ID	FLAGS	ADDRESS
01	01	CC	000114
01	01	CE	000119
01	01	0C	000120
01	01	C8	000125
01	02	04	0000F8
01	03	C4	0000FC
01	05	C4	000100
01	06	C4	000104
01	07	C4	000108
01	09	04	000108
01	0A	C4	0000F6
01	0B	04	0000F4
01	0C	04	000146

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SYMBOL	LEN	VALUE	DEFN	REFERENCES		
AMSGCOM	00002	00CCF4	00106	0058	0098	
AMSGIN	00002	00C0FE	00107	0055		
APSPM10	00004	00C11C	00131	0075	0093	
APSPM89	00004	00C110	00128	0078	0085	
ASPM	00002	00C146	00138	0095		
ECFO	00001	000000	00044			
ECMAG	00001	000000	00044			
ECPCF	00001	000000	00044			
EIGHT	00002	00C12A	00135	0129		
GOOD	00004	000026	00061			
MSGCOM	00001	000000	00043	0106		
MSGIN	00001	000000	00043	0107		
NXT14	00001	00C086	00091	0083		
NXT20	00001	00C090	00094	0087	0090	
NXT7	00001	00C05C	00072			
NXT9	00002	00CC56	00097	0064	0066	0081
N17	00002	00C128	00134	0132		
RTDRV	00001	000000	00042			
SAVE	00004	00CCAC	00105	0051	0102	
SINGLE	00001	000000	00045			
SPM	00001	000000	00043	0138		
SPM10	00017	00C134	00137	0133		
SPM89	00008	00C12C	00136	0130		
STASK	00001	00C000	00040	0046	0139	
TAB	00001	00C0F8	00109	0069	0071	
TECFO	00001	000000	00041	0113		
TECMAG	00001	00C000	00041	0116		
TECPCF	00001	000000	00041	0110		
TMANUAL	00001	000000	00042	0122		
TPATCH	00001	000000	00042	0125		
TSINGLE	00001	000000	00042	0119		
WORKLIST	00001	000000	00045			
XMAN	00001	00C000	00041			

STMT ERROR CODE MESSAGE 10/14/81

IEL046 AT LEAST ONE RELOCATABLE Y-TYPE CONSTANT IN ASSEMBLY

NO STATEMENTS FLAGGED IN THIS ASSEMBLY
4 HAS HIGHEST SEVERITY CODE
STATISTICS SOURCE RECORDS (SYSIN) = 128
OPTIONS IN EFFECT LIST, NODECK, LOAD, NOPRINT, XREF, NOTEST, ALGN, DS, NOTERM, LINECNT = 58
198 PRINTED LINES

EXTERNAL SYMBOL DICTIONARY

SYMBOL	TYPE	ID	ADDR	LENGTH	LD ID
SINSLL	SD	01	000000	000BA	
MSGCOM	ER	02			
MSOUT1	ER	03			

```
LOC   OBJECT CODE    ADDR1 ADDR2  STMT   SOURCE STATEMENT                                  IFOX370  10/14/81
                                     1         PRINT OFF                                                    VERIFY
                                     2 *RECEIVES USER MESSAGE CONTAINING 3 WORDS SETS IF ID COMMANDS.      VERIFY
                                     3 *DATA IS SENT OR READ TO/FROM ID AS REQUESTED BY USER.              VERIFY
                                     4 *MESSAGE CONTENTS:                                                 VERIFY
                                     5 *                                                                  VERIFY
                                     6 *   BLOCK ID = 8                                                   VERIFY
                                     7 *   WORD 1      *EUUUUUUUUUUUUUUU                                  VERIFY
                                     8 *               W=WORDS                                            VERIFY
                                     9 *               B=BOARDS                                           VERIFY
                                    10 *               R=000 FOR READ, FFF FOR WRITE                      VERIFY
                                    11 *                                                                  VERIFY
                                    12 *   WORD 2      0000555500000EEE                                   VERIFY
                                    13 *               S=START BIT #                                      VERIFY
                                    14 *               E=LENGTH                                           VERIFY
                                    15 *                                                                  VERIFY
                                    16 *   WORD 3      DATA                                               VERIFY
                                    17 *               IF READ, ID WORD READ AND RETURNED                 VERIFY
                                    18 *               IF WRITE, DATA SENT TO ID                          VERIFY
                                    19 *                                                                  VERIFY
                                    20 *    MAXIMUM OF 5 SETS OF ID COMMANDS PER MESSAGE.                 VERIFY
                                    21 *    STOP INDICATOR WORD 1=0                                       VERIFY
                                    22 *                                                                  VERIFY
000000                              23 SINGLE   CSECT                                                     VERIFY
                                    24          EXTRN  RSGCCM,RSCOTT                                      VERIFY
000000                              25          USING  SINGLE,12                                          VERIFY
                                    26          PROLOG SAVE                                               VERIFY
000000 90EC D00C          00000C    27+         STM    14,12,12(13) % PROLOG
000004 18CF                         28+         LR     12,15 %
000006 1820                         29+         LR     2,13 %
000008 4100 C0A4          0000A4    30+         LA     13,SAVE %
00000C 5020 0004          000004    31+         ST     2,4(13) %
000010 5002 0008          000008    32+         ST     13,8(2) %

000014 1822                         34          SR     2,2          % ESTABLISH ADDRESS OF MESSAGE BLOCK  VERIFY
000016 7420 C0F2          0000F2    35          LS     2,AMSGCCM    %                                    VERIFY
00001A 1855                         36          SR     5,5          %                                    VERIFY
00001C 4152 0000          000000    37          LA     5,0(2)       %                                    VERIFY
000020                              38 WRITE    ECD    *                                                 VERIFY
000020 1844                         39          SR     4,4          #   CLEAR READ FLAG                  VERIFY
000022 7435 0000          000000    40          LS     3,0(5)       #   WORD 1                           VERIFY
000026 AE30 C700          0C000     41          TBI    3,X'07000'   #   IS THIS A WRITE                  VERIFY
00002A 47E0 C036          000036    42          BNO    WRITE        #                                    VERIFY
00002E B430 F8FF          0C000     43          NSI    3,X'F8FF'    #   SET FOR READ FIRST               VERIFY
000032 4140 0001          000001    44          LA     4,1          #   SET WRITE INDICATOR              VERIFY
000036                              45 WRITE    ECD    *                                                 VERIFY
000036 4030 C0F6          0000F6    46          STH    3,DATAP      #                                    VERIFY
00003A 2866                         47          SLR    6,6          #                                    VERIFY
00003C A567 C0FF          0000F2    48          STD    6,7,DATAP    #   PERFORM READ                     VERIFY
000040 4770 C03C          00003C    49          BNZ    *-4          #                                    VERIFY
000044 1244                         50          LTR    4,4          #                                    VERIFY
000046 4770 C060          000060    51          BNZ    WRIT         #   WRITE YES                        VERIFY
00004A 4070 5004          000004    52          STH    7,4(5)       #   DEPOSIT DATA                     VERIFY
00004E                              53 NEX      ECD    *                                                 VERIFY
00004E 4155 0004          000004    54          LA     5,4(5)       #   STEP TO NEXT SET                 VERIFY
000052 0501 5000 C0F4 0C000 000F4   55          CLC    0(2,5),ZERO  #                                    VERIFY
```

```
LOC  OBJECT CODE    ADDR1 ADDR2  STMT   SOURCE STATEMENT
000058 47EC C094            00084    74          BL    SEND          #  END OF COMMANDS                    VERISW
00005C 47F0 C020            00020    75          B     WRITE         #                                     VERISW
000060                                 76 WRIT     EQU   *                                                 VERISW
000060 4070 C0F6            000F6    77          STH   7,DATAP       #  SAVE DATA                          VERISW
000064 7415 0002            00002    78          LS    1,2(5)        #    MASK                             VERISW
000068 A710 FFFF  00000             79          XST   1,X'FFFF'     #    COMPLEMENT                       VERISW
00006C C471                         80          NSR   7,1           #    AND WITH DATA AS READ            VERISW
00006E 7415 0004            00004    81          LS    1,4(5)        #    NEW DATA                         VERISW
000072 6415 0002            00002    82          NS    1,2(5)        #     MASK                            VERISW
000076 C617                         83          OSR   1,7           #    OR NEW AND OLD DATA              VERISW
000078 A510 5000            00000    84          SIO   1,0,3(5)      #    PERFORM WRITE II                 VERISW
00007C 4770 C078            00078    85          BNZ   *-4           #                                     VERISW
000080 47F0 C04E            0004E    86          B     NEX           #                                     VERISW
000084                               87 SEND     EQU   *             $                                     VERISW
000084 5830 C0F0            000F0    88          L     3,ABUFF       $ SEND RESPONSE MESSAGE               VERISW
000088 BA30 0002  00000             89          ART   3,2           $                                     VERISW
00008C 5030 C0EC            000EC    90          ST    3,APARM       $                                     VERISW
000090 4110 C0EC            000EC    91          LA    1,APARM       $                                     VERISW
000094 74F0 C0F8            000F8    92          LS    15,AMSOUT     $                                     VERISW
000098 05EF                          93          BALR  14,15         $                                     VERISW
                                     94          EPILOG SAVE                                             VERISW

000098 5800 C0A8            000A8    96+         L     13,SAVE+4 % EPILOG
00009E 98EC D00C            000CC    97+         LM    14,12,12(13) %
0000A2 07FE                          98+         BR    14 %
0000A4                               99 SAVE     DS    18F                                               VERISW
0000EC 00C00000                     100 APARM    DC    F'0'                                              VERISW
0000F0 80C00000                     101 ABUFF    DC    X'80',AL3(MSGCONT)                                VERISW
0000F2                              102 AMSGCON  EQU   ABUFF+2                                            VERISW
0000F4 00C0                         103 ZERO     DC    H'0'                                              VERISW
0000F6 0000                         104 DATAR    DC    F'0'                                              VERISW
0000F9 00C0                         105 AMSOUT   DC    Y(MSOUTIT                                         VERISW
                                    106          END                                                     VERISW
```

RELOCATION DICTIONARY PAGE 1

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POS.ID	REL.ID	FLAGS	ADDRESS
01	02	08	000DF1
01	03	04	000DF8

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SYMBOL	LEN	VALUE	DEFN	REFERENCES
ABUFF	00001	00000C	00101	0088 0102
AMSGCOM	00001	00000E	00102	0053
AMSOUT	00002	000010	00105	0092
APARM	00004	0000EC	00100	0050 0091
DATAP	00002	0000F4	00104	0064 0066 0077
MSGCOM	00001	000060	00042	0101
MSOUTL	00001	000000	00042	0105
NEX	00001	00004E	00071	0084
SAVE	00004	0000A4	00099	0048 0096
SEND	00001	0000F4	00037	0074
SINGLE	00001	000000	00041	0043
WRIT	00001	0000E0	00076	0059
WRITE	00001	000036	00063	0060
WRITO	00001	0000F0	00056	0075
ZERO	00002	0000F4	00103	0073

STMT ERROR CODE MESSAGE 10/14/81

IEUC46 AT LEAST ONE RELOCATABLE Y-TYPE CONSTANT IN ASSEMBLY

NO STATEMENTS FLAGGED IN THIS ASSEMBLY
4 WAS HIGHEST SEVERITY CODE
STATISTICS SOURCE RECORDS (SYSIN) = 95
OPTIONS IN EFFECT LIST, NODECK, LOAD, NORENT, XREF, NOTEST, ALGN, OS, NOTERM, LINECNT= 55
125 PRINTED LINES

EXTERNAL SYMBOL DICTIONARY

SYMBOL	TYPE	ID	ADDR	LENGTH	LD ID
PATCH	SD	01	C0CC00	000004	
MSGCOM	ER	02			
MSOUTI	ER	03			

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT 22NOV74 10/14/81

```
                                1         PRINT OFF                                                          VERISW
                                20 *                                                                       VERISW
                                21 *  PATCH MESSAGE BLOCK FORMAT                                           VERISW
                                22 *                                                                       VERISW
                                23 *     WORD      CONTENTS                                                VERISW
                                24 *      1        0---          BLOCK ID = 0                              VERISW
                                25 *      2        ----                                                    VERISW
                                26 *      3        ----                                                    VERISW
                                27 *      4        ----                                                    VERISW
                                28 *      5        CCCC          CCCC = CODE   0=DUMP,1=PATCH              VERISW
                                29 *      6        AAAA          AAAA = ADDRESS                            VERISW
                                30 *      7        NNNN          NNNN = NUMBER OF WORDS                    VERISW
                                31 *      8        DDDD          DDDD = DATA                               VERISW
                                32 *      -                                                               VERISW
                                33 *      -                                                               VERISW
                                34 *     29        DDDD                                                    VERISW
                                35 *                                                                       VERISW
                                36 *               NOTES: PATCH CODE                                       VERISW
                                37 *                      MULTIPLE PATCHES PER BLOCK ARE ALLOWED           VERISW
                                38 *                      A VALUE OF NNNN=0 STOPS PATCHING                 VERISW
                                39 *                      DUMP MODE                                        VERISW
                                40 *                      22 WORDS ARE STORED IN WORDS 7-29                VERISW

000000                          42 PATCH  CSECT                                                            VERISW
                                43        EXTRN   MSGCCM,PSOUT1                                            VERISW
000000                          44        USING   PATCH,12                                                 VERISW
                                45        PROLOG  SAVE                                                     VERISW
000000 90EC D00C      0000C     46+       STM   14,12,12(13) % PROLOG
000004 18CF                     47+       LR    12,15 %
000006 1820                     49+       LR    2,13 %
000008 4100 CC84      00084     49+       LA    13,SAVE %
00000C 5020 0004      00004     50+       ST    2,4(13) %
000010 5002 0008      00008     51+       ST    13,8(2) %

000014 1822                     53        SR    2,2             $                                          VERISW
000016 7420 C00C      0000C     54        LS    2,AMSGCCM       $ MSG BLOCK ADDRESS                        VERISW
00001A 4122 0002      00002     55        LA    2,2(2)          $ POSITION TO 1ST WORD                     VERISW
00001E 4150 0CCA      000CA     56        LA    5,10            $ FIRST PATCH SET                          VERISW
000022 4962 0008      00008     57        LH    6,8(2)          $ DUMP?                                    VERISW
000026 1266                     58        LTR   6,6             $                                          VERISW
000028 4780 C066      00066     59        BZ    PAT100          $ YES                                      VERISW
00002C                          60 PAT1   EQU   *                                                        VERISW
00002C 2866                     61        SDR   6,5             $                                          VERISW
00002E 7462 5002      00002     62        LS    6,2(2,5)        $ #WORDS                                   VERISW
000032 7472 5000      00000     63        LS    7,0(2,5)        $ ADDRESS                                  VERISW
000036 4155 CCC4      00004     64        LA    5,4(5)          $                                          VERISW
00003A 1266                     65        LTR   6,6             $ ANY WORDS?                               VERISW
00003C 4780 C05C      0005C     66        BZ    PATLX           $ NO                                       VERISW
000040                          67 PAT4   EQU   *                                                        VERISW
000040 7442 5000      00000     68        LS    4,0(2,5)        $ PATCH                                    VERISW
000044 4047 0000      00000     69        STH   4,0(7)          $                                          VERISW
000048 4177 0002      00002     70        LA    7,2(7)          $ ADVANCE PATCH ADDRESS                    VERISW
00004C 4155 0002      00002     71        LA    5,2(5)          $ ADVANCE CLK PTR                          VERISW
000050 4660 C040      00040     72        BCT   6,PAT4          $ LOOP ON # WORDS                          VERISW
```

```
 LOC  OBJECT CODE    ADDR1 ADDR2  STMT   SOURCE STATEMENT                    F22NOV74  10/14/81

000054 4920 0C3A    00000          73          CSI     2,56        $ ROOM FOR MORE?          VERISW
000058 4740 C02C            002C   74          BL      PAT1        $ YES                     VERISW
00005C                              75 PATEX    EQU     *                                     VERISW
                                    76          EPILOG  SAVE                                  VERISW

00005C 58D0 CC88            0008B  78+         L       13,SAVE+4 % EPILOG
000060 98EC D00C            000CC  79+         LM      14,12,12(13) %
000064 07FE                        80+         BR      14 %

000066                             82 PAT100   EQU     *           $ COMPTT                  VERISW
000066 2B66                        83          SDR     6,6         $                         VERISW
000068 7472 5000            00000  84          LS      7,0(2,5)    $ ADDRESS                 VERISW
00006C D233 20CC 70CC 0C00C 00000  85          MVC     12(52,2),0(7) $ MOVE IN DATA          VERISW
000072 5020 C0DC            00000  86          ST      2,APARM     $                         VERISW
000076 4110 CCDC            00000  87          LA      1,APARM     $                         VERISW
00007A 74F0 C0CE            000CE  88          LS      15,AMSGOUT  $                         VERISW
00007E 05EF                        89          BALR    14,15       $                         VERISW
000080 47F0 C05C            0005C  90          B       PATEX                                 VERISW

000084                             92 SAVE     DS      18F                                   VERISW
0000CC 0000                        93 AMSGCOM  DC      Y(MSGCOM)                             VERISW
0000CE 00C0                        94 AMSGOUT  DC      Y(MSGOUTT)                            VERISW
0000D0 00C00000                    95 APARM    DC      A(0)                                  VERISW
                                   96          END                                           VERISW
```

RELOCATION DICTIONARY PAGE 1

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POS.ID	REL.ID	FLAGS	ADDRESS
01	02	C4	0000CC
01	03	C4	0000CE

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SYMBOL	LEN	VALUE	DEFN	REFERENCES	
A*MSGCOM	00002	0CC0CC	0C093	0054	
A*MSOUT	00002	00C0DE	0C094	0088	
APARM	00004	0CC0DC	0C095	0086	0087
MSGCOM	00001	CCCCCC	0C043	0093	
MSOUT1	00001	CCCCCD	0C043	0094	
PATCH	00001	C00000	0C042	0044	
PATEX	00001	CCC05C	00075	0066	0090
PAT1	00001	00C02C	00060	0074	
PAT100	00001	00CC66	00082	0059	
PAT4	0C001	00CC40	0C067	0072	
SAVE	00004	0CCC84	0C092	0049	0078

STMT ERROR CODE MESSAGE 10/14/81

IEU046 AT LEAST ONE RELOCATABLE Y-TYPE CONSTANT IN ASSEMBLY

NO STATEMENTS FLAGGED IN THIS ASSEMBLY
4 WAS HIGHEST SEVERITY CODE
STATISTICS SOURCE RECORDS (SYSIN) = 85
OPTIONS IN EFFECT LIST, NODECK, LOAD, NORENT, XREF, ACTLST, ALGN, OS, NOTERM, LINECNT = 55
109 PRINTED LINES

EXTERNAL SYMBOL DICTIONARY

13.31 10/14/81

SYMBOL	TYPE	ID	ADDR	LENGTH	LD ID
	PC	01	000000	000000	
RTORV	SD	02	000000	0000EC	
TLBUF	ER	03			
FDFLG	ER	04			
TDCREG	ER	05			
BMLNO	ER	06			
RTCMD	ER	07			
MSG	ER	08			

```
 LOC  OBJECT CODE    ADDR1 ADDR2  STMT  SOURCE STATEMENT                    F-22NOV74  10/14/81

                                     1          PRINT OFF                                      VERISW
                                    20 ************************************************************ VERISW
                                    21 ************************************************************ VERISW
                                    22 **  ROUTINE:      RTDRV                                  ** VERISW
                                    23 **                                                       ** VERISW
                                    24 **  FUNCTION:     THIS SUBROUTINE SETS UP FOR INTERVAL TIMER ** VERISW
                                    25 **                INTERRUPTS.  RTDRV WAITS FOR AN 1HZ CLOCK ** VERISW
                                    26 **                INTERRUPT TO CONTINUE.  THE FIRST TIMER INTERRUPT ** VERISW
                                    27 **                IS SCHEDULED TO OCCURR 100 MILLISECONDS AFTER ** VERISW
                                    28 **                THE 1HZ CLOCK INTERRUPT.               ** VERISW
                                    29 **                                                       ** VERISW
                                    30 **  CALL RTDRV(SECOND_TICKER)                            ** VERISW
                                    31 **                                                       ** VERISW
                                    32 ************************************************************ VERISW
                                    33 ************************************************************ VERISW
 000018                             34 ADDR1B   EQU    24                                        VERISW
 000000                             35 RTDRV    CSECT                                            VERISW
 000000                             36          CSTNG RTDRV,12                                   VERISW
                                    37          EXTRN TLBUF,FUFLG,IUCREG,BMLMD                   VERISW
                                    38          EXTRN RTCMD,MSG                                  VERISW
                                    39          PRCLOG SAVE                                      VERISW
 000000 90EC D00C          00000C  40+         STM   14,12,12(13) & PPOLOG
 000004 18CF                       41+         LR    12,15 &
 000006 1820                       42+         LR    2,13 &
 000008 4100 C094          00094   43+         LA    13,SAVE &
 00000C 5020 0004          00004   44+         ST    2,4(13) &
 000010 5002 0008          00008   45+         ST    13,8(2) &
                                    47 *                                                        VERISW
 000014 95C0 0054    00054         48          CLI   84(0),X'00'       & MANUAL?                VERISW
 000018 4770 CC2C          0002C   49          BNE   RT01              & YES                    VERISW
                                    50 *                                                        VERISW
 00001C 92FF 0039    00039         51          MVI   57(0),X'FF'                                VERISW
 000020                            52 RTD0     EQU   *                                          VERISW
 000020                            53 RTD2     EQU   *                 & TRAPPED EXTERNAL INTERRUPT VERISW
 000020 95FF 0008    00008         54          CLI   8(0),X'FF'                                 VERISW
 000024 477C CC20          00020   55          BNE   RTD2                                       VERISW
 000028 92C0 CC39    00039         56          MVI   57(0),X'00'                                VERISW
 00002C                            57 RT01     EQU   *                                          VERISW
 00002C 2B22                       58          SDF   2,2               # INITIALIZE TICKED TIPE COUNTS VERISW
 000020 7420 C0E6          00056   59          LS    2,ATLBUF          # ADDRESS OF TL BUF       VERISW
 000032 5011 C000          00000   60          L     1,0(1)            # ADDRESS OF INPUT PARAMETER VERISW
 000036 7431 0000          00000   61          LS    3,0(1)            # TICKER                   VERISW
 00003A 8B30 0001    00000         62          SHI   3,1               #                        VERISW
 00003E 4032 C006          00006   63          STH   3,6(2)            # INSERT TICKER            VERISW
 000042 0530 FFFF    3C000         64          CLST  3,X'FFFF'         # IS THIS T=0              VERISW
 000046 4770 CC54          00054   65          BNE   RTD3              # NO                       VERISW
 00004A 1B33                       66          SR    3,3               #                        VERISW
 00004C 7430 C0E4          00064   67          LS    3,AIUCREG         #                        VERISW
 000050 9680 3C0C    0C000         68          OI    0(3),X'80'        # SET SYNC SYNC COMMAND    VERISW
 000054                            69 RTD3     EQU   *                                          VERISW
 000054 1830 FFFF    CC000         70          LHI   3,X'FFFF'         #                        VERISW
 000058 4032 0008          00008   71          STH   3,8(2)            #                        VERISW
 00005C 8B30 0001    0C000         72          LHI   3,1               #                        VERISW
 000060 4032 000A          0000A   73          STH   3,10(2)           # RESET 100MS TICKER     VERISW
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000064 1833                            74          SR    3,3          #                          VERISW
000066 7420 00E8              00E8     75          LS    2,AFUCOM     #                          VERISW
00006A 4032 0004              0004     76          STH   3,4(2)       # RESET STOP FLAG          VERISW
00006E 9500 0054        0054           77          CLI   84(5),X'03'  # MANUAL?                 VERISW
000072 47E0 007E              007E     78          BE    RTD4         # NO                       VERISW
000076 92FF 0055        0055           79          MVI   85(0),X'FF'  # SIGNAL RTDRV START       VERISW
00007A 47F0 0084              0084     80          B     RTD5                                    VERISW
00007E                                 81 RTD4     EQU   *                                       VERISW
00007E 74F0 00E2              00E2     82          LS    15,ARTCMD    *                          VERISW
000082 05EF                            83          BALR  14,15        * EXECUTE RTCMD            VERISW
000084                                 84 RTD5     EQU   *                                       VERISW
000084 90C0 00EA        00EA           85          SSM   GC           # ENABLE INTERRUPTS        VERISW
                                       86          EPILOG SAVE                                   VERISW

000088 5800 0098              0098     88+         L     13,SAVE+4 * EPILOG
00008C 98EC D00C              00CC     89+         LM    14,12,12(13) *
000090 07FE                            90+         BR    14 *
000092 0000
000094 0000000000000000                91 SAVE     DC    18F'0'                                  VERISW
0000DC 0377                            92 TIME     DC    H'887'       PATCH HERE TO CHANGE TIOOMSI VERISW
0000DE 0000                            93 AMSG     DC    Y(MSG)                                  VERISW
0000E0 7FFF                            94 SMALL    DC    X'7FFF'                                 VERISW
0000E2 00C0                            95 ARTCMD   DC    Y(RTCMD)                                VERISW
0000E4 00C0                            96 AIUCREG  DC    Y(IUCREG)                               VERISW
0000E6 00C0                            97 ATLBUF   DC    Y(TLBUF)                                VERISW
0000E8 00C0                            98 AFUCOM   DC    Y(FUFLG)                                VERISW
0000EA 81C4                            99 GO       DC    X'81C4'                                 VERISW
000000                                 100         END   RTDRV                                   VERISW
```

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POS.ID	REL.ID	FLAGS	ADDRESS
02	03	04	0000E6
02	04	04	0000EA
02	05	04	0000E4
02	07	04	0000F2
02	08	04	0000DE

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SYMBOL	LEN	VALUE	DEFN	REFERENCES	
ADDR1B	00001	00C01B	0C034		
AFOC04	00002	00CCE8	0C098	0C75	
AIUCREG	00002	00CCF4	0C096	0057	
AMSG	00002	00CCDE	0C093		
ARTCMD	00002	00CCL2	00095	0082	
ATLBUF	00002	00C0E6	0C097	0C59	
BMLNO	00001	00C003	0C037		
FOFLG	00001	00CCC0	0C037	0098	
GO	00002	00CCEA	0C099	0C85	
IUCREG	00001	00C003	0C037	0096	
MSG	00001	000CC0	0C038	0093	
RTCMD	00001	00C000	0C038	0095	
RTDRV	00001	00CCCC	00035	0036	0100
RTD0	00001	00CC2C	0C052		
RTD2	00001	00C020	0C052	0055	
RTD3	00001	00CC54	0C069	0065	
RTD4	00001	00C07E	0C081	0C78	
RTD5	00001	00CCE4	0C084	008C	
RTD1	00001	00C02C	0C057	0C49	
SAVE	00004	00CC94	0C091	0C43	0083
SMALL	00002	00CCE0	0C094		
TIME	00002	00CCDC	00092		
TLBUF	00001	0C0000	00037	0057	

STMT ERROR CODE MESSAGE 10/15/81

IEU004I AT LEAST ONE RELOCATABLE Y-TYPE CONSTANT IN ASSEMBLY

NO STATEMENTS FLAGGED IN THIS ASSEMBLY
0 WAS HIGHEST SEVERITY CODE
STATISTICS SOURCE RECORDS (SYSIN) = 87
OPTIONS IN EFFECT LIST, NOOBJ, LOAD, NORENT, XREF, NOTEST, ALGN, GS, NOTERM, LINECNT = 55
136 PRINTED LINES

SYMBOL	TYPE	ID	ADDR	LENGTH	LD ID
RTCMD	SD	01	000000	0001A8	
TLBUF	ER	02			
IOCMD	ER	03			
FOFLG	ER	04			
IOCREG	ER	05			
AEPION	ER	06			
AEPIOF	ER	07			
PUT	LD		000156		01

```
LOC  OBJECT CODE    ADDR1 ADDR2  STMT  SOURCE STATEMENT                    F22NOV74  10/14/81
                                    1         PRINT OFF                                      VERISW
                                   20 ********************************************************* VERISW
                                   21 ********************************************************* VERISW
                                   22 **  ROUTINE:     RTCMD                                  ** VERISW
                                   23 **                                                       ** VERISW
                                   24 **  FUNCTION:    THIS SUBROUTINE READS THE TIMELINE BUFFER (TLBUF) ** VERISW
                                   25 **               AND CHECKS (BITS SET) IF A SET OF COMMANDS FROM ** VERISW
                                   26 **               THE COMMAND BUFFER (CMDBUF) SHOULD BE SENT TO THE ** VERISW
                                   27 **               IU FOR THIS TIME SLICE (100MS).  RTCMD EXPECTS TO ** VERISW
                                   28 **               RUN EVERY 100MS, BUT MUST BE CALLED BY RTDRV OR ** VERISW
                                   29 **               ANOTHER SUBROUTINE.                     ** VERISW
                                   30 **                                                       ** VERISW
                                   31 **  NOTE:        RTCMD EXPECTS THE FOLLOWING POINTERS AT THE BEGIN-** VERISW
                                   32 **               ING OF TLBUF AND CMDBUF:                ** VERISW
                                   33 **                                                       ** VERISW
                                   34 **               TLHED(1)  0   NUMBER OF COMMAND POINTS  VERISW
                                   35 **               TLHED(2)  2   CURRENT COMMAND POINT     VERISW
                                   36 **               TLHED(3)  4                             VERISW
                                   37 **               TLHED(4)  6                             VERISW
                                   38 **               TLHED(5)  8   SECONDS                   VERISW
                                   39 **               TLHED(6) 10   MILLISECONDS MOD SEC      VERISW
                                   40 **                                                       ** VERISW
                                   41 **                                                       ** VERISW
                                   42 ********************************************************* VERISW
                                   43 ********************************************************* VERISW
000000                             44 RTCMD    CSECT                                          VERISW
                                   45          EXTRN TLBUF,IUCMD,FOFLG,IUCREG                 VERISW
                                   46          EXTRN AEPICN,AEPIOF                            VERISW
                                   47          ENTRY PUT                                      VERISW
000000                             48          USING RTCMD,12                                 VERISW
                                   49          PROLOG SAVE                                    VERISW
000000 90EC D00C          0000C    50+         STM   14,12,12(13) * PROLOG
000004 18CF                        51+         LR    12,15 *
000006 182D                        52+         LR    2,13 *
000008 4100 C14C          0014C    53+         LA    13,SAVE *
00000C 502D 0004          00004    54+         ST    2,4(13) *
000010 50D2 0008          00008    55+         ST    13,8(2) *
                                   57 *                                                       VERISW
                                   58 *                                                       VERISW
000014                             59 RTXO     EQU   *                                        VERISW
000014 1844                        60          SR    4,4       *                            VERISW
000016 4040 C19E          0019E    61          STH   4,PUT     * INITIALIZE OUTPUT FLAG       VERISW
00001A 5820 C194          00194    62          L     2,ATLBUF  * LOAD BASE ADDRESSES          VERISW
00001E 7442 000A          0000A    63          LS    4,10(2)   * INCREMENT MILLISECOND TICKER VERISW
000022 8A40 0001          00000    64          AHI   4,1       *                              VERISW
000026 4042 000A          0000A    65          STH   4,10(2)   *                              VERISW
00002A A940 0064          00000    66          CST   4,100     * ONE SECOND?                  VERISW
00002E 4740 C050          00050    67          BL    RTX01     *                              VERISW
000032 1844                        68          SR    4,4       * INCREMENT SECOND TICKER      VERISW
000034 4042 000A          0000A    69          STH   4,10(2)   *                              VERISW
000038 7442 0008          00008    70          LS    4,8(2)    * SEC TICKER                   VERISW
00003C 8A40 0001          00000    71          AHI   4,1       * INCREMENT SECOND TICKER (RELATIVE) VERISW
000040 4042 0008          00008    72          STH   4,8(2)    *                              VERISW
000044 7442 0006          00006    73          LS    4,6(2)    *                              VERISW
```

```
000048 8A40 0001        0C000          74          AHI   4,1       $                                    VERISW
00004C 4042 0006                00006  75          STH   4,6(2)    $                                    VERISW
                                       76 *                                                            VERISW
000050                                 77 RTX1     EQU   *                                              VERISW
000050                                 78 RTX01    EQU   *                                              VERISW
000050 1B44                            79          SR    4,4       $                                    VERISW
000052                                 80 RTX3     EQU   *                                              VERISW
000052 1B11                            81          SR    1,1       $ IF STILL .NE. 0, EXIT              VERISW
000054 7410 C19C                00019C 82          LS    1,AFOFLG  $                                    VERISW
000058 7410 1004                00004  83          LS    1,4(0,1)  $                                    VERISW
00005C 0211                            84          LTSR  1,1       $                                    VERISW
00005F 4770 C12E                0012E  85          BNZ   NCSO      $ NO MORE COMMANDS TO BE ISSUED      VERISW
                                       86 *                                                            VERISW
000062                                 87 RTX4     EQU   *                                              VERISW
000062 2B44                            88          SDR   4,4       # TEST COMMAND TIME TO TIME COUNTERS  VERISW
000064 7442 0002                00002  89          LS    4,2(2)    # TCHED(2)  CURRENT INDEX            VERISW
000068 1244                            90          LTR   4,4       #                                    VERISW
00006A 4780 C140                00140  91          BZ    TCEND     # NO MORE OUTPUT IN TABLE           VERISW
                                       92 *                                                            VERISW
00006E 7452 0008                00008  93          LS    5,8(2)    # COMPUTE TIME                       VERISW
000072 8C50 0C0A        00000          94          MHI   5,10      #                                    VERISW
000076 4A52 000A                0000A  95          AH    5,10(2)   # TCHED(5)*10+TCHED(6)= #MILLISECONDS VERISW
                                       96 *                                                            VERISW
00007A 4862 0004                00004  97          LH    6,4(2)    # COMPUTE INDEX INTO TIME TABLE      VERISW
00007E 8B6C 0001        0C000          98          SHI   6,1       #                                    VERISW
000082 8C60 000C        00000          99          MHI   6,12      #                                    VERISW
                                      100 *                                                            VERISW
000086 4956 200C                00000C 101         CH    5,12(6,2) #  TIME MATCH?                     VERISW
00008A 4740 CCDC                000DC  102         BL    RTX6      # NOT TIME                          VERISW
                                      103 *                                                            VERISW
00008E 92FF C19F        00019F 104         MVI   PUT+1,X'FF' #  SET INDICATOR - OUTPUT NEEDED         VERISW
000092 5070 C1A0                001A0  105         L     7,AIOCR   #  ESTABLISH B-REGISTER FOR COMMAND REGS VERISW
000096 2B88                           106         SDR   8,8       #                                    VERISW
000098 7486 200E                00000E 107         LS    8,14(6,2) #  REGISTER NUMBER                   VERISW
00009C 8B80 0001        00000          108         SHI   8,1       #                                    VERISW
0000A0 8980 0C01                00001  109         SLL   8,1       #  INDEX INTO COMMAND REGS           VERISW
                                      110 *                                                            VERISW
0000A4 7496 2010                00010  111         LS    9,16(6,2) #  APPLY MASK TO DATA                VERISW
0000A8 A790 FFFF        00000          112         XSI   9,X'FFFF' #                                    VERISW
0000AC 6498 7000                00000  113         NS    9,0(8,7)  # MASK OUT OLD DATA                VERISW
0000B0 4098 7000                00000  114         STH   9,0(8,7)  #                                    VERISW
                                      115 *                                                            VERISW
0000B4 7496 2010                00010  116         LS    9,16(6,2) #  DATA                              VERISW
0000B8 6496 2012                00012  117         NS    9,18(6,2) #  RESTRICT DATA TO IT'S MASK FIELD  VERISW
0000BC 6698 7000                00000  118         OS    9,0(8,7)  #  INSERT DATA IN COMMAND REGISTERS  VERISW
0000C0 4098 7000                00000  119         STH   9,0(8,7)  #                                    VERISW
                                      120 *                                                            VERISW
0000C4 7446 2014                00014  121         LS    4,20(6,2) # RESET TO NEW POINTER             VERISW
0000C8 4042 0004                00004  122         STH   4,4(2)    #                                    VERISW
                                      123 *                                                            VERISW
0000CC 7442 0002                00002  124         LS    4,2(2)    # CURRENT INDEX #                    VERISW
0000D0 3B40 0001        00000          125         SHI   4,1       #                                    VERISW
0000D4 4042 0002                00002  126         STH   4,2(2)    #                                    VERISW
                                      127 *                                                            VERISW
0000D8 47F0 C062                00062  128         B     RTX4      # LOOP BACK TO PROCESS NEXT COMMAND  VERISW
```

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```
LOC  OBJECT CODE    ADDR1 ADDR2  STMT   SOURCE STATEMENT
0000DC                          129 RTX6     EQU   *
0000DC 95FF C19F    0C19F       130          CLI   PUT+1,X'FF'    $ ANY OUTPUT NEEDED
0000E0 4770 C126            0012o 131        BNE   NOSEND         $
0000E4                          132 CUTX     EQU   *
0000E4 7447 000A            000DA 133        LS    4,10(7)        $ REGISTER #6
0000E8 AE4C 8000    0C000       134          TBI   4,X'8000'      $ AEPI SYNC ON?
0000EC 47E0 C102            00102 135        BNE   NOS11          $ NO
0000F0 B440 7FFF    00000       136          NSI   4,X'7FFF'      $ TURN OFF AEPI SYNC
0000F4 4047 000A            000DA 137        STH   4,10(7)        $
                                  138 *
0000F8 74F0 C1A4            001A4 139        LS    15,AAEPICN     $
0000FC 05EF                       140        BALR  14,15          $ PERFORM AEPI SYNCHRONIZATION CK
0000FE 47F0 C118            00118 141        B     NOS12          $
000102                            142 NOS11    EQU   *            $
000102 AE4C 4000    0C000       143          TBI   4,X'4000'      $ AEPI OFF?
000106 47E0 C118            00118 144        BNO   NOS12          $ NO
00010A B440 BFFF    00000       145          NSI   4,X'BFFF'      $ REMOVE DUMMY BIT
00010E 4047 000A            000DA 146        STH   4,10(7)        $
000112 74F0 C1A6            001A6 147        LS    15,AAEPIOF     $
000116 05EF                       148        BALR  14,15          $ TURN OFF AEPI
000118                            149 NOS12    EQU   *
000118 92C0 0010    0C010       150          MVI   16(0),X'00'    $ RESET OVERRIDE FLAG
00011C 92FF C19E    0C19E       151          MVI   PUT,X'FF'      $ SET OUTPUT FLAG ON
000120 58F0 C198            00198 152        L     15,AIOCMD      $ OUTPUT COMMAND REGISTERS !!
000124 05EF                       153        BALR  14,15          $
000126                            154 NOSEND   EQU   *
000126 95FF C19E    0C19E       155          CLI   PUT,X'FF'      $ OUTPUT FLAG ON?
00012A 47B0 C136            00136 156          BE    CUTER
00012E                            157 NOSO     EQU   *
00012F 95C0 0010    0C010       158          CLI   16(0),X'00'    $ ANY SPECIAL COMMANDS OVERRIDES
000132 4770 00E4            000E4 159          BNE   CUTX          $ YES
000136                            160 CUTER    EQU   *
                                  161          EPILOG SAVE

000136 5800 C150            00150 163+         L     13,SAVE+4 %  EPILOG
00013A 98EC D00C            000CC 164+         LM    14,12,12(13) %
00013E 07FE                       165+         BR    14 %
000140 7410 C19C            00198 166 TLEND    LS    1,AFCFLG                  IF FOFLG ^=0, DO NOT SEND
000144 40F0 1004            00004 167          STH   15,4(,1)
000148 47F0 C0DC            000DC 168          B     RTX6
00014C 00000000000000C0           169 SAVE     DC    18F'0'
000194 00C00000                   170 ATLBUF   DC    A(TLBUF)          DO NOT CHANGE
000198 00C00000                   171 AIOCMD   DC    A(IOCMD)          THREE CARDS
00019C 0000                       172 AFOFLG   DC    Y(FOFLG)
00019E 0000                       173 PUT      DC    H'0'
0001A0 00C00000                   174 AIOCR    DC    A(IOCREG)
0001A4 0000                       175 AAEPICN  DC    Y(AEPICN)
0001A6 0000                       176 AAEPIOF  DC    Y(AEPICF)
000000                            177          END   RTCMD
```

10/14/81

POS.ID	REL.ID	FLAGS	ADDRESS
01	02	0C	000194
01	03	0C	000198
01	04	04	00019C
01	05	0C	0001A0
01	06	04	0001A4
01	07	04	0001A6

LEN	VALUE	DEFN	REFERENCES
00002	000196	00176	0147
00002	0001A4	00175	0139
00001	000000	00046	0176
00001	000000	00046	0175
00002	00019C	00172	0082 0166
00004	000198	00171	0152
00004	0001A0	00174	0105
00004	000194	00170	0062
00001	000000	00045	0172
00001	000000	00045	0171
00001	000000	00045	0174
00001	000126	00154	0131
00001	00012E	00157	0085
00001	000102	00142	0135
00001	000118	00149	0141 0144
00001	000136	00160	0156
00001	0000E4	00132	0159
00002	00019E	00173	0047 0061 0104 0130 0151 0155
00001	000000	00044	0048 0177
00001	000014	00059	
00001	000050	00078	0067
00001	00005C	00077	
00001	000052	00080	
00001	000062	00087	0128
00001	0000DC	00129	0102 0168
00004	00014C	00169	0053 0163
00001	000000	00045	0170
00004	000140	00166	0091

RCR CODE MESSAGE

EL046 AT LEAST ONE RELOCATABLE Y-TYPE CONSTANT IN ASSEMBLY

MENTS FLAGGED IN THIS ASSEMBLY
S HIGHEST SEVERITY CODE
ICS* SOURCE RECORDS (SYSIN) = 166
IN EFFECT* LIST, NODECK, LOAD, NORENT, XREF, ACTEST, ALGN, OS, NOTERM, LINECNT = 55
INTED LINES

SYMBOL	TYPE	ID	ADDR	LENGTH	LD ID
MSGIN	SD	01	000000	00005E	
MSGCUM	ER	02			

```
 LOC  OBJECT CODE    ADDR1 ADDR2  STMT   SOURCE STATEMENT                    F22NOV74  10/14/81
                                    1 ********************************************************************** VERISW
                                    2 ********************************************************************** VERISW
                                    3 **  ROUTINE:      MSGIN                                              ** VERISW
                                    4 **                                                                   ** VERISW
                                    5 **  FUNCTION:     THIS SUBROUTINE MOVES A MESSAGE FROM DPM ADDRESS   ** VERISW
                                    6 **                CO - OF INTO A COMMON AREA MSGCOM.                 ** VERISW
                                    7 **                                                                   ** VERISW
                                    8 **  NOTE:         MSGIN IS CALLED ON AN I/O INTERRUPT WHERE LOC FF   ** VERISW
                                    9 **                DPM = 2065 (USER MESSAGE). MSGIN SETS MSGFLG NOT   ** VERISW
                                   10 **                EQUAL 0 TO SHOW NEW MESSAGE RECEIVED.              ** VERISW
                                   11 **                                                                   ** VERISW
                                   12 ********************************************************************** VERISW
                                   13 ********************************************************************** VERISW
000001                             14 MSGIN   CSECT                                                        VERISW
                                   15         EXTRN MSGCOM                                                 VERISW
000000                             16         USING MSGIN,12                                               VERISW
000001 90EC D00C          0000C    17         STM   14,12,12(13)                                           VERISW
000004 19CF                        18         LR    12,15                                                  VERISW

000006 2B22                        20         SDR   2,2                 $                                  VERISW
000008 A523 C058          00058    21         SIO   2,3,CSR2            $ READ CSR2 FROM DPM               VERISW
00000C 4770 C008          00008    22         BNZ   *-4                 $                                  VERISW
000010 B44C 7FFF          00000    23         NSI   3,X'7FFF'           $  CLEAR BIT ZERO                  VERISW
000014 A523 C05A          0005A    24         SIO   2,3,WCSR2           $  WRITE CSR2 BACK TO DPM          VERISW
000018 4770 C014          00014    25         BNZ   *-4                 $                                  VERISW
00001C 7420 C05C          0005C    26         LS    2,AMSGCOM           $  R2 = MSGCOM @                   VERISW
000020 4122 0000          00000    27         LA    2,0(2)              $                                  VERISW
000024 A830 B8C0          0C000    28         LST   3,X'B8C0'           $  R3 = DPM @                      VERISW
000028 4160 C01F          0001F    29         LA    6,31                $  SET UP TO READ 31 WORDS         VERISW
00002C 4030 C056          00056    30 LOOP    STH   3,DPMAD             $                                  VERISW
000030 A545 C056          00056    31         SIO   4,5,DPMAD           $  READ DPM                        VERISW
000034 4770 C030          00030    32         BNZ   *-4                 $                                  VERISW
000038 4050 2002          00002    33         STH   5,2(,2)             $  DEPOSIT DATA IN MESSAGE AREA    VERISW
00003C 4120 2002          00002    34         LA    2,2(,2)             $  ADVANCE POINTERS                VERISW
000040 4130 3001          00001    35         LA    3,1(,3)             $                                  VERISW
000044 4660 C02C          0002C    36         BCT   6,LOOP              $                                  VERISW
000048 7440 C05C          0005C    37         LS    4,AMSGCOM           $  SET MESSAGE RECEIVED FLAG       VERISW
00004C 4040 4000          00000    38         STH   4,0(,4)             $                                  VERISW
000050 98EC D00C          0000C    39         LM    14,12,12(13)                                           VERISW
000054 07FE                        40         BR    14                                                     VERISW
```

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OF POOR QUALITY

```
 LOC  OBJECT CODE    ADDR1 ADDR2  STMT   SOURCE STATEMENT                    F22.0V74  10/14/81
000056 0000                       42 DPMAD    DC    H'0'                                VERISK
000058 BBFC                       43 CSR2     DC    X'BBFC'                             VERISK
00005A BFFC                       44 WCSR2    DC    X'BFFC'                             VERISK
00005C 00C0                       45 AMSGCC9  DC    Y(IPSGCCNT)                         VERISK
000000                            46          END   MSGIN                               VERISK
```

PUBLICATION DICTIONARY

10/14/81

POS.ID	REL.ID	FLAGS	ADDRESS
01	03	04	000250

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SYMBOL	LEN	VALUE	DEFN	REFERENCES
ANSCOM	00002	0000C6	0C046	0026 0037
CSR2	00002	0000C8	0C043	0021
DPMAD	00002	0000C6	0C042	003C 0031
LOOP	00004	0000E2	0C01C	0036
MSGCOM	00001	000000	0C015	0045
MSGIN	00001	000000	0C014	0016 0046
MCSR2	00002	0000CA	0C044	0024

10/14/81

STMT ERROR CODE MESSAGE

IEU046 AT LEAST ONE RELOCATABLE Y-TYPE CONSTANT IN ASSEMBLY

NO STATEMENTS FLAGGED IN THIS ASSEMBLY
4 WAS HIGHEST SEVERITY CODE
STATISTICS SOURCE RECORDS (SYSIN) = 46
OPTIONS IN EFFECT LIST, NODECK, LOAD, NCRENT, XREF, NOTEST, ALGN, OS, NOTERM, LINECNT = 55
73 PRINTED LINES

EXTERNAL SYMBOL DICTIONARY

SYMBOL	TYPE	ID	ADDR	LENGTH	LD ID
MSOUT1	SD	01	000000	000201	
SPM	ER	02			

```
LOC  OBJECT CODE    ADDR1 ADDR2  STMT   SOURCE STATEMENT                    F22NOV74  10/14/81

                                    1          PRINT OFF                                    VERISW
                                   20 ************************************************************ VERISW
                                   21 ************************************************************ VERISW
                                   22 **  ROUTINE:     MSOUT1                                  **  VERISW
                                   23 **                                                       **  VERISW
                                   24 **  FUNCTION:    THIS SUBROUTINE SENDS A 29-WORD MESSAGE TO THE  **  VERISW
                                   25 **               EC (DEP-CC).  THIS VERSION USES CSR3 ONLY.      **  VERISW
                                   26 **                                                       **  VERISW
                                   27 **  CALLING SEQ: CALL MSOUT1(BUFFER,LENGTH)              **  VERISW
                                   28 **                                                       **  VERISW
                                   29 **  NOTE:        BUFFER = 29-WORD (16-BIT) AREA CONTAINING THE   **  VERISW
                                   30 **                         MESSAGE TO BE SENT TO EC.     **  VERISW
                                   31 **               LENGTH = LENGTH OF MESSAGE IN 16 BIT WORDS      **  VERISW
                                   32 ************************************************************ VERISW
                                   33 ************************************************************ VERISW
000000                             34 MSOUT1  CSECT                                            VERISW
000000                             35         USING MSOUT1,12                                  VERISW
                                   36         EXTRN SFM                                        VERISW
                                   37         PROLOG SAVE                                      VERISW
000000 90EC D00C          0000C    38+        STM   14,12,12(13) % PROLOG
000004 18CF                        39+        LR    12,15 %
000006 1820                        40+        LR    2,13 %
000008 4100 C118          00118    41+        LA    13,SAVE %
00000C 502D C004          00004    42+        ST    2,4(13) %
000010 5002 0008          00008    43+        ST    13,8(2) %

000014 98AB 1000          00000    45         LM    10,11,0(1)          R1=ADDRESS OF BUFFER     VERISW
000018                             46 MS0000  EQU   *                   % TEST STATUS OF TO OUTPUT BUFFERS  VERISW
000018 9500 000E          0000E    47         CLI   14(0),X'00'         % BUFFER#1 BUSY?         VERISW
00001C 4770 C034          00034    48         BNE   MS0001             % YES                    VERISW
000020 12AA                        49         LTR   10,10              %                        VERISW
000022 4780 C034          00034    50         BZ    MS0001             % RETRANSMIT PASS         VERISW
000026 9201 000E          0000E    51         MVI   14(0),X'01'         % REQUEST MSG#1 OUTPUT    VERISW
00002A D239 C178 A000 00178 00000  52         MVC   MBUF1(58),0(10)     % MOVE IN DATA            VERISW
000030 47F0 C04C          0004C    53         B     MS0002              %                        VERISW
000034                             54 MS0001  EQU   *                                           VERISW
000034 9500 000F          0000F    55         CLI   15(0),X'00'         % BUFFER#2 BUSY?         VERISW
000038 4770 C04C          0004C    56         BNE   MS0002             % YES                    VERISW
00003C 12AA                        57         LTR   10,10              %                        VERISW
00003E 4780 C04C          0004C    58         BZ    MS0002             % RETRANSMIT PASS         VERISW
000042 9201 000F          0000F    59         MVI   15(0),X'01'         % REQUEST MSG#2 OUTPUT    VERISW
000046 D239 C1B2 A000 001B2 00000  60         MVC   MBUF2(58),0(10)     % MOVE USER DATA TO MBUF#2  VERISW
                                   61 *                                                        VERISW
00004C                             62 MS0002  EQU   *                                           VERISW
00004C 9500 000C          0000C    63         CLI   12(0),X'00'         % RETRANSMIT MSG#1?      VERISW
000050 4770 C064          00064    64         BNE   MS0041             % YES                    VERISW
000054 9500 000D          0000D    65         CLI   13(0),X'00'         % RETRANSMIT MSG#2       VERISW
000058 4770 C07C          0007C    66         BNE   MS0051             % YES                    VERISW
00005C 9501 000E          0000E    67         CLI   14(0),X'01'         % OUTPUT MSG#1?          VERISW
000060 4770 C074          00074    68         BNE   MS0051             % NO                     VERISW
000064                             69 MS0041  EQU   *                                           VERISW
000064 9200 000C          0000C    70         MVI   12(0),X'00'         % RESET RETRANSMIT OUTPUT FLAG  VERISW
000068 92FF 000E          0000E    71         MVI   14(0),X'FF'         % SELECT MSG#1            VERISW
00006C 4110 C178          00178    72         LA    1D,MBUF1            %                        VERISW
000070 47F0 C09A          0009A    73         B     MSIX                %                        VERISW
```

```
LOC  OBJECT CODE   ADDR1 ADDR2  STMT  SOURCE STATEMENT                    F22NOV74  10/14/81
000074                           74 MSDO50  EQU   *                                      VERISW
000074 95C1 C00F       0C00F     75         CLI   15(0),X'01'   $ OUTPUT MSG#2?          VERISW
000078 4770 C090             00090 76         BNE   MSDO60      $ NO                     VERISW
00007C                           77 MSDO51  EQU   *                                      VERISW
00007C 92C0 0C0D       00000     78         MVI   13(0),X'00'  $ RESET RETRANSMIT BUF#2 FLAG VERISW
000080 92FF 0C0F       0C00F     79         MVI   15(0),X'FF'  $ SELECT BUF#2 FOR OUTPUT    VERISW
000084 8830 0002       00000     80         LHI   2,2          $                           VERISW
000088 41A0 C182             00182 81         LA    10,MBUF2     $                        VERISW
00008C 47F0 C09E             00098 82         B     STARTX       $                        VERISW
000090                           83 MSDO60  EQU   *                                      VERISW
000090 1B22                      84         SR    2,2          $ RESET BOTH BUFFERS       VERISW
000092 5020 0C0C             0000C 85         ST    2,12(0)      $ RESET BOTH BUFFERS       VERISW
000096 47F0 C018             00018 86         B     MSDOOO                                  VERISW
00009A                           87 MSTX    EQU   *                                      VERISW
00009A 8830 0C00       00000     88         LHI   3,0          $ SETUP FOR DPM LOADING    VERISW
00009E                           89 STARTX  EQU   *                                      VERISW
00009E 2B22                      90         SDR   2,2          $                          VERISW
0000A0 4020 C160             00160 91         STH   2,CKSUM      $ INITIALIZE CHECKSUM    VERISW
0000A4 4160 0C1D             0001D 92         LA    6,29         $ 29 WORDS TRANSFERRED   VERISW
0000A8 7443 C174             00174 93 USE01   LS    4,BUFX(3)    $ SELECT DPM ADDRESS     VERISW
0000AC 4040 C166             00166 94 LOOP    STH   4,DPMAD      $                        VERISW
0000B0 7450 ACOO             00000 95         LS    5,0(,10)     $ FETCH WORD FROM BUFFER VERISW
0000B4 4A50 C160             00160 96         AH    5,CKSUM      $ COMPUTE CHECKSUM       VERISW
0000B8 4050 C160             00160 97         STH   5,CKSUM      $                        VERISW
0000BC 7450 ACC0             000C0 98         LS    5,0(,10)     $                        VERISW
0000C0 A550 C166             00166 99         SIO   5,0,DPMAD    $ OUTPUT WORD TO DPM     VERISW
0000C4 4770 C0C0             000C0 100        BNZ   *-4          $                        VERISW
0000C8 41A0 A002             00002 101        LA    10,2(,10)    $ ADVANCE WORD ADDRESS   VERISW
0000CC 4140 4001             00001 102        LA    4,1(,4)      $ ADVANCE DPM ADDRESS    VERISW
0000D0 4660 C0AC             000AC 103        BCT   6,LOOP       $                        VERISW
0000D4 4813 C162             00162 104        LH    7,WCK(3)     $ PICK OUT CHECKSUM DPM ADDRESS VERISW
0000D8 4070 C166             00166 105        STH   7,DPMAD      $                        VERISW
0000DC 4870 C160             00160 106        LH    7,CKSUM      $ OUTPUT CHECKSUM TO DPM VERISW
0000E0 A570 C166             00166 107        SIO   7,0,DPMAD    $                        VERISW
0000E4 4770 C0EC             000E0 108        BNZ   *-4          $                        VERISW
0000E8 4873 C16C             0016C 109        LH    7,WCSR(3)    $ CSR WRITE              VERISW
0000EC 4070 C166             00166 110        STH   7,DPMAD      $                        VERISW
0000F0 4873 C170             00170 111        LH    7,CSRX(3)    $ CSR LOAD VALUE         VERISW
0000F4 A570 C166             00166 112 S104   SIO   7,0,DPMAD    $ SET UP NEW CSR(3) REQUEST VERISW
0000F8 4770 C0F4             000F4 113        BNZ   S104         $                        VERISW
0000FC                           114 S106   EQU   *                                      VERISW
0000FC                           115 RETURN EQU   *                                      VERISW
0000FC 98AB 1000       00000     116        LM    10,11,0(1)     $ OUTPUT MSG TO SPM      VERISW
000100 5040 C1EC             001EC 117        ST    10,APSPM     $                        VERISW
000104 4110 C1EC             001EC 118        LA    1,APSPM      $ PARMS                  VERISW
000108 74F0 C1FA             001FA 119        LS    15,ASPM      $ EXECUTE SPM WRITE      VERISW
00010C 05EF                      120        BALR  14,15        $                        VERISW
                                 121 *                                                  VERISW
00010E                           122 RETN   EQU   *                                      VERISW
                                 123        EPILOG SAVE                                 VERISW

00010E 58D0 C11C             0011C 125+       L     13,SAVE+4    EPILOG
000112 98EC D00C             0000C 126+       LM    14,12,12(13)
000116 07FF                      127+       BR    14
```

SR 2,2

```
 LOC  OBJECT CODE    ADDR1 ADDR2  STMT   SOURCE STATEMENT                    F 22H0V74  10/14/81

000118 00C0000009C00000                129 SAVE     DC     18F'0'                          VERISW
000160 0000                            130 CKSUM    DC     H'0'     CHECKSUM               VERISW
000162 BFF8                            131 WCK      DC     X'BFF8'                         VERISW
000164 BFF9                            132          DC     X'BFF9'                         VERISW
000166 0000                            133 DPMAD    DC     H'0'                            VERISW
000168 B8FA                            134 RFLAG    DC     X'B8FA'          DPM LOC FA  READ   VERISW
00016A BFFA                            135 WFLAG    DC     X'BFFA'          DPM LOC FA  WRITE  VERISW
00016C BFFD                            136 WCSR     DC     X'BFFD'                         VERISW
00016E BFFE                            137          DC     X'BFFE'                         VERISW
000170 8190                            138 CSRX     DC     X'8190'                         VERISW
000172 8290                            139          DC     X'8290'                         VERISW
000174 3F80                            140 BUFX     DC     X'3F80'          DPM LOC 0      VERISW
000176 3FE0                            141          DC     X'3FE0'                         VERISW
000178 00C000000000000000             142 MBUF1    DC     29H'0'                          VERISW
000182 00C000C000C000000               143 MBUF2    DC     29H'0'                          VERISW
                                       144 *                                               VERISW
0001EC 00CC0000                        145 APSPM    DC     A(0)          ADDRESS OF BUFFER VERISW
0001F0 0000001F8                       146          DC     A(FIVER)                        VERISW
0001F4 80C001FC                        147          DC     X'80',AL3(SPMA)                 VERISW
0001F8 0005                            148 FIVER    DC     F'5'                            VERISW
0001FA 0000                            149 ASPM     DC     Y(SPM)                          VERISW
                                       150 *        SCRATCH PAD MEMORY LOCATIONS 191 TO 195 VERISW
0001FC 038343C323                      151 SPMA     DC     X'038343C323'                   VERISW
000000                                 152          END    MSCUT1                          VERISW
```

10/14/81

POS.ID	REL.ID	FLAGS	ADDRESS
01	01	0C	0001F0
01	01	0C	0001F5
01	02	04	0001FA

10/14/81

SYMBOL	LEN	VALUE	DEFN	REFERENCES
APSPM	00004	000180	00145	0117 0118
ASPM	00002	000184	00149	0115
BUFX	00002	000114	00140	0093
CKSUM	00002	000160	00130	0091 0096 0097 0106
CSRX	00002	000170	00138	0111
DPMAD	00002	000166	00133	0094 0099 0105 0107 0110 0112
FIXEP	00002	000188	00148	0146
LOOP	00004	000CAC	00094	0103
MBUF1	00002	000178	00142	0062 0072
MBUF2	00002	000182	00143	0060 0031
MSIX	00001	000C9A	00087	0073
MSOUT1	00001	000C9C	00034	0035 0152
MSO000	00001	000C18	00046	0086
MSO001	00001	000C34	00054	0048 0050
MSO002	00001	000C4C	00062	0053 0056 0058
MSO041	00001	000C64	00069	0064
MSO050	00001	000C74	00074	0068
MSO051	00001	000C1C	00077	0066
MSO060	00001	000C90	00083	0076
RETN	00001	000C0C	00122	
RETURN	00001	000BFC	00115	
RFLAG	00002	000168	00134	
SAVE	00004	000118	00129	0041 0125
SIO4	00004	000CF4	00112	0113
SIO6	00001	000CF8	00114	
SPM	00001	000C00	00036	0149
SPMA	00005	0001FC	00151	0147
STARTX	00001	000C3E	00089	0082
USEB1	00004	000CA8	00093	
WCK	00007	000162	00131	0104
WCSR	00002	000160	00136	0109
WFLAG	00002	000164	00135	

STMT ERROR CODE MESSAGE 10/14/81

IEU046 AT LEAST ONE RELOCATABLE Y-TYPE CONSTANT IN ASSEMBLY

NO STATEMENTS FLAGGED IN THIS ASSEMBLY
4 WAS HIGHEST SEVERITY CODE
STATISTICS SOURCE RECORDS (SYSIN) = 141
OPTIONS IN EFFECT LIST, NOOBJECT, LOAD, NORENT, XREF, NOTEST, ALGN, OS, NOTERM, LINECNT = 59
189 PRINTED LINES

EXTERNAL SYMBOL DICTIONARY

SYMBOL	TYPE	ID	ADDR	LENGTH	LD ID
MSGHAN	SD	01	C00CC0	000194	
OUTCOM	ER	02			
FOFLG	ER	03			
STATW1	ER	04			
STATW2	ER	05			
PHEADR	ER	06			
MSOUT1	ER	07			
TLOUF	ER	08			

```
LOC  OBJECT CODE    ADDR1 ADDR2  STMT   SOURCE STATEMENT                    F22NOV74  10/14/81
                                    1          PRINT OFF                                  VERISW
                                   20 *********************************                  VERISW
                                   21 *********                                           VERISW
                                   22 **        MSCHAN HANDLES THE LC OUTPUT MESSAGES     VERISW
                                   23 **              SINT1 = 1 OUTPUT BUFFER#1           VERISW
                                   24 **              SINT2 = 1 OUTPUT BUFFER#2           VERISW
                                   25 **              SINT3 = 1 OUTPUT BUFFER#3           VERISW
                                   26 **                                                  VERISW
                                   27 **        MSCHAN IS SCHEDULED TO RUN BASED ON THE 1 HZ CLOCK  VERISW
                                   28 **        INTERRUPT AND IS THE LAST TASK IN THE TASK TABLE    VERISW
                                   29 **                                                  VERISW
000000                             30 MSCHAN  CSECT                                       VERISW
                                   31         EXTRN  OUTCOM,FOFLG,STATW1,STATW2,PHLADR,MSOUT1  VERISW
                                   32         EXTRN  TCBUF                                VERISW
000000                             33         USING  MSCHAN,12                            VERISW
                                   34         PROLOG SAVE                                 VERISW
000000 90EC D00C          000CC    35+        STM    14,12,12(13) % PROLOG
000004 18CF                        36+        LR     12,15 %
000006 1829                        37+        LR     2,13 %
000008 4100 C128          00128    38+        LA     13,SAVE %
00000C 5020 D004          00004    39+        ST     2,4(13) %
000010 5002 D008          00008    40+        ST     13,8(2) %

000014 2B22                        42         SDR    2,2          $                      VERISW
000016 2B66                        43         SDR    6,6          $                      VERISW
000018 9823 C17C          0017C    44         LM     2,3,AOUTCOM  $ LOAD ADDRESSS BASE REGISTERS  VERISW
00001C 7443 0008          00008    45         LS     4,8(3)       $                      VERISW
000020 4040 C190          00190    46         STH    4,TCB        $ SAVE CURRENT BLOCK ID  VERISW
000024 4842 0002          00002    47         LH     4,2(2)       $ SINT2 SET?           VERISW
000028 1244                        48         LTR    4,4          $                      VERISW
00002A 4780 C04A          0006A    49         BZ     MSG100       $ NO                   VERISW
00002E 4072 0002          00002    50         STH    7,2(2)       $ RESET SINT2          VERISW
000032 4122 0044          00044    51         LA     2,68(2)      $ SELECT BUFFER#2      VERISW
000036 9850 C001    00000         52         LM     5,1          $                      VERISW
00003A 4053 0008          00008    53         STH    5,8(3)       $ BLOCK ID=1           VERISW
00003E 9500 C054    00054         54         CLI    84(0),X'00'  $ MANUAL?              VERISW
000042 47E0 C0BA          000BA    55         BE     MSG300       $ NO                   VERISW
000046 9200 2000    00000         56         MVI    0(2),X'00'   $ IN MANUAL - BUILD SPECIAL  VERISW
00004A D206 2001 2000 00001 00000 57         MVC    1(7,2),0(2)  $ CLEAR FIRST          VERISW
00004E 8950 0004          00004    58         SLL    5,4          $                      VERISW
000052 4252 0000          00000    59         STC    5,0(2)       $                      VERISW
000056 5020 C170          00170    60         ST     2,PARMS      $                      VERISW
00005A 4110 C170          00170    61         LA     1,PARMS      $                      VERISW
00005E 74F0 C192          00192    62         LS     15,AMSOUT1   $                      VERISW
000062 05EF                        63         BALR   14,15        $ OUTPUT BLOCK         VERISW
000064 47F0 C0EE          000EE    64         B      MSG399       $                      VERISW

000068                             66 MSG100  EQU    *                                   VERISW
000068 4842 0004          00004    67         LH     4,4(2)       $ SINT3 SET?           VERISW
00006C 1244                        68         LTR    4,4          $                      VERISW
00006E 4780 C088          00088    69         BZ     MSG200       $ NO                   VERISW
000072 4072 0004          00004    70         STH    7,4(2)       $ RESET SINT3          VERISW
000076 4122 0088          00088    71         LA     2,136(2)     $ SELECT BUFFER#3      VERISW
00007A 9850 0002    00000         72         LM     5,2          $                      VERISW
00007E 4053 0008          00008    73         STH    5,8(3)       $ BLOCK ID=2           VERISW
```

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT F22N0V74 10/14/81

```
000084 47F0 C08A              008A    74          B       MSG500          $                                   VERISW
000088                                76 MSG200   EQU     *                                                   VERISW
000088 4842 0000              0000    77          LH      4,0(2)          $ SINTI SET?                        VERISW
00008C 1244                           78          LTR     4,4             $                                   VERISW
00008E 4780 C11E              011E    79          BZ      MSG9990         $ NO                                VERISW
000092 4072 0000              0000    80          STH     7,0(2)          $ RESET SINTI                       VERISW
000096 4122 0006              0006    81          LA      2,6(2)          $ SELECT BUFFER#1                   VERISW
                                      82 *                                                                    VERISW
00009A 95C0 0054        0054          83          CLI     84(0),X'00'     $ MANUAL                            VERISW
00009E 4780 C08A              008A    84          BE      MSG500          $ NO                                VERISW
0000A2 1B11                           85          SR      1,1             $ MOVE TIME FOR MSG AND STATUS      VERISW
0000A4 7410 C188              0188    86          LS      1,AILBUF        $                                   VERISW
0000A8 1BBB                           87          SR      11,11           $                                   VERISW
0000AA 7481 000B              000B    88          LS      11,8(1)         $                                   VERISW
0000AE 9CB0 000A        0000          89          MHI     11,10           $                                   VERISW
0000B2 4AB1 000A              000A    90          AH      11,10(1)        $                                   VERISW
0000B6 4082 002C              002C    91          STH     11,44(2)        $ ENTER IN MSG BLOCK                VERISW
                                      93 MSG500   EQU     *               $ OUTPUT SELCTED BUFFER             VERISW
0000BA 5020 C170              0170    94          ST      2,PARMS         $ SET UP PARAMETERS                 VERISW
0000BE 4110 C170              0170    95          LA      1,PARMS         $                                   VERISW
0000C2 74F0 C18A              018A    96          LS      15,APIEDR       $                                   VERISW
0000C6 05EF                           97          BALR    14,15           $ BUILD HEADER                      VERISW
0000C8 74F0 C192              0192    98          LS      15,AMSOUT1      $                                   VERISW
0000CC 05EF                           99          BALR    14,15           $ OUTPUT BUFFER TO IO               VERISW

0000CE 4073 0006              0006    101         STH     7,6(3)          $ RESET PMSGN                       VERISW
0000D2 4073 000A              000A    102         STH     7,10(3)         $ RESET PPCFI                       VERISW
0000D6 4073 000C              000C    103         STH     7,12(3)         $ RESET PPCFV                       VERISW
0000DA 4073 000E              000E    104         STH     7,14(3)         $ RESET PPCFN                       VERISW
0000DE 7420 C18C              018C    105         LS      2,ASTATW1       $ RESET STATUS WORD 1 - BIT 0       VERISW
0000E2 4072 0000              0000    106         STH     7,0(2)          $ ST1F00                            VERISW
0000E6 7420 C18E              018E    107         LS      2,ASTATW2       $ RESET STATUS WORD 2 - BIT 0       VERISW
0000EA 4072 0000              0000    108         STH     7,0(2)          $ ST2F00                            VERISW
0000EE                                109 MSG999  EQU     *                                                   VERISW
0000EE 7450 C190              0190    110         LS      5,BID           $ LAST BLOCK ID = 2?                VERISW
0000F2 7443 0003              0008    111         LS      4,8(3)          $                                   VERISW
0000F6 A940 0002        0000          112         CSI     4,2             $                                   VERISW
0000FA 4720 C100              0100    113         BP      MSG9991         $ NO                                VERISW
0000FE 1B55                           114         SR      5,5             $ RESET BLOCK ID                    VERISW
000100                                115 MSG9991 EQU     *                                                   VERISW
000100 4053 0008              0008    116 L1      STH     5,8(3)          $                                   VERISW
000104 95C0 0C54        0054          117         CLI     84(0),X'00'     $ MANUAL                            VERISW
000108 4780 C11E              011E    118         BE      MSG9990         $                                   VERISW
00010C A405 0000              0000    119         TMRS    0,5,0           $ MARK RTC                          VERISW
000110                                120 MSG9992 EQU     *                                                   VERISW
000110 A406 0000              0000    121         TMRS    0,6,0           $ COMPUTE DELTA RTC                 VERISW
000114 1B55                           122         SR      5,5             $                                   VERISW
000116 5960 C184              0184    123         C       6,TWAIT         $ WAIT                              VERISW
00011A 4740 C110              0110    124         BL      MSG9992         $                                   VERISW
00011E                                125 MSG9990 EQU     *                                                   VERISW
                                      126 EPILOG  SAVE                                                        VERISW

00011E 5800 C12C              012C    128+        L       13,SAVE+4       $ EPILOG
```

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```
   LOC  OBJECT CODE    ADDR1 ADDR2  STMT   SOURCE STATEMENT                                F22NOV74  10/14/81

000122 98EC D00C              00000C  129+          LM    14,12,12(13) *
000126 07FE                           130+          BR    14 *
000128 0000000000000000               131 SAVE      DC    18F'0'                                        VERISW
000170 00000000                       132 PARMS     DC    A(0)                                          VERISW
000174 00000178                       133           DC    A(N29)                                        VERISW
000178 00000019                       134 N29       DC    F'29'                                         VERISW
00017C 00000000                       135 AOUTCOM   DC    A(OUTCOM)                                     VERISW
000180 00000000                       136           DC    A(FORECST                                     VERISW
000184 00006809                       137 TWAIT     DC    F'26633'      3 SECONDS IN RTC PULSES         VERISW
000188 0000                           138 ATLBUF    DC    Y(TLBUF)                                      VERISW
00018A 0000                           139 APHEDR    DC    Y(PHEADR)                                     VERISW
00018C 0000                           140 ASTATW1   DC    Y(STATW1)                                     VERISW
00018E 0000                           141 ASTATW2   DC    Y(STATW2)                                     VERISW
000190 0000                           142 BID       DC    H'0'                                          VERISW
000192 0000                           143 AMSOUT1   DC    Y(MSOUT1)                                     VERISW
                                      144           END                                                 VERISW
```

RELOCATION DICTIONARY PAGE 1

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POS.ID	REL.ID	FLAGS	ADDRESS
01	01	0C	000174
01	02	0C	000178
01	03	0C	000180
01	04	04	000138
01	05	04	00013E
01	06	04	00018A
01	07	04	000192
01	08	04	000188

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SYMBOL	LEN	VALUE	DEFN	REFERENCES				
A4SOUT1	00002	000192	00143	0062	0098			
AOUTCOM	00004	000170	00135	0046				
APHEDR	00002	000184	00139	0096				
ASTATW1	00002	000180	00140	0105				
ASTATW2	00002	000186	00141	0107				
ATLBUF	00002	000188	00138	0036				
BID	00002	000190	00142	0046	0110			
FOFLG	00001	000000	00031	0136				
MSGHAN	00001	000000	00030	0033				
MSG100	00001	00006A	00066	0049				
MSG200	00001	0000B8	00076	0069				
MSG500	00001	000081	00093	0055	0074	0084		
MSG999	00001	0000FE	00119	0064				
MSG9990	00001	00011F	00125	0079	0118			
MSG9991	00001	000100	00115	0113				
MSG9992	00001	000110	00120	0124				
MSOUT1	00001	000000	00031	0143				
029	00004	000178	00134	0133				
OUTCOM	00001	000000	00031	0135				
PARMS	00004	000170	00132	0060	0061	0094	0095	
PHEADR	00001	000000	00031	0139				
SAVE	00004	000128	00131	0038	0128			
STATW1	00001	000000	00031	0140				
STATW2	00001	000000	00031	0141				
TLBUF	00001	000000	00032	0138				
TWAIT	00004	0001F4	00147	0123				

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STMT ERROR CODE MESSAGE

IEU646 AT LEAST ONE RELOCATABLE Y-TYPE CONSTANT IN ASSEMBLY

NO STATEMENTS FLAGGED IN THIS ASSEMBLY
4 WAS HIGHEST SEVERITY CODE
STATISTICS SOURCE RECORDS (SYSIN) = 133
OPTIONS IN EFFECT LIST, NODECK, LOAD, NORENT, XREF, NOTEST, ALGN, OS, NOTERM, LINECNT = 55
193 PRINTED LINES

SYMBOL	TYPE	ID	ADDR	LENGTH	LD ID
COMT	SD	01	000000	0000E4	
IUGMT	ER	02			
TIME	LD		000000		01

```
LOC  OBJECT CODE   ADDR1 ADDR2  STMT   SOURCE STATEMENT                                  F22NOV78  10/14/81
                                    1         PRINT OFF                                                    VERISW
                                   20 ************************************************************        VERISW
                                   21 ************************************************************        VERISW
                                   22 **  ROUTINE:      CGMT                                        **     VERISW
                                   23 **                                                            **     VERISW
                                   24 **  FUNCTION:     THIS SUBROUTINE COMPARE THE GIVEN GMT WITH  **     VERISW
                                   25 **                OFFSET VALUE TO THE REAL TIME GMT, AND RETURNS **  VERISW
                                   26 **                THE FOLLOWING FLAG:                         **     VERISW
                                   27 **                     IF REAL GMT .LT. GIVEN GMT   GMTFLG = 0 **     VERISW
                                   28 **                     IF REAL GMT .GE. GIVEN GMT   GMTFLG = 1 **     VERISW
                                   29 **                                                            **     VERISW
                                   30 **  CALLING SEQ:  CALL CGMT(GMT,OFFSET,GMTFLG)                 **     VERISW
                                   31 **                                                            **     VERISW
                                   32 **                WHERE GMT:    D=16BITS WORDS GMT          **     VERISW
                                   33 **                      OFFSET: 1-16BITS WORD (BASE SECOND)   **     VERISW
                                   34 **                              BIT 0 INDICATES SIGN;         **     VERISW
                                   35 **                                                            **     VERISW
                                   36 ************************************************************        VERISW
                                   37 ************************************************************        VERISW
000000                             38 CGMT   CSECT                                                       VERISW
                                   39        EXTRN IUGMT                                                 VERISW
000000                             40        USING CGMT,12                                               VERISW
                                   41        PROLOG SAVE                                                 VERISW
000000 90EC D00C          0000C    42+       STM   14,12,12(13) % PROLOG
000004 18CF                        43+       LR    12,15 %
000006 182D                        44+       LR    2,13 %
000008 4100 CC8C          0008C    45+       LA    13,SAVE %
00000C 502D 0004          00004    46+       ST    2,4(13) %
000010 5002 0008          00008    47+       ST    13,8(2) %
000014 9824 100C          00000    49        LM    2,4,0(1)    $ PICK UP PARAMETERS                    VERISW
000018 9500 0054    00054          50        CLI   84(0),X'00' $ MANUAL                                  VERISW
00001C 4770 C074          00074    51        BNE   CG7         $ YES - FORCE COMPARE                     VERISW
000020 4110 C008          00008    52        LA    1,PTIME     $                                         VERISW
000024 18FF                        53        SR    15,15       $                                         VERISW
000026 74F0 C0E2          000E2    54        LS    15,AIOGMT   $ READ IO GMT                            VERISW
00002A 05EF                        55        BALR  14,15       $                                         VERISW
00002C 7450 2002          00002    56        LS    5,2(,2)     $ CONVERT FROM GMT FORMAT TO INTERGER     VERISW
000030 9450 07FF    00000          57        NSI   5,X'07FF'   $                                         VERISW
000034 8950 0010          00010    58        SLL   5,16        $                                         VERISW
000038 7450 2004          00004    59        LS    5,4(,2)     $                                         VERISW
00003C 1866                        60        LR    6,6         $                                         VERISW
00003E 4833 C000          00000    61        LH    3,0(3)      $                                         VERISW
000042                             62 CGMT2  EQU   *                                                     VERISW
000042 BC30 0064    00000          63        MHI   3,100       $ CONVERT TO MILLISECS                    VERISW
000046                             64 GTIME  EQU   *                                                     VERISW
000046 7460 C00C          0000C    65        LS    6,TIME+2    $                                         VERISW
00004A 9460 C7FF    00000          66        NSI   6,X'07FF'   $                                         VERISW
00004E 8960 0010          00010    67        SLL   6,16        $                                         VERISW
000052 7460 C0E0          000E0    68        LS    6,TIME+4    $                                         VERISW
                                   69 *                                                                  VERISW
000056 1855                        70        LR    5,5         $ COMPUTE DELTA TIME IN MILLISECS         VERISW
000058 4862 0000          00000    71        LH    6,0(2)      $ COMPARE DAYS                            VERISW
00005C 6170 C00C          0000C    72        CS    7,TIME      $                                         VERISW
000060 4780 C00C          0000C    73        BE    CG5         $ IF EQUAL NO CORRECTION NECESSARY        VERISW
```

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LOC  OBJECT CODE   ADDR1 ADDR2  STMT   SOURCE STATEMENT                    F22NOV74  10/14/81
000064 4740 C06C            00006C   74          BL    CG5          $                          VERISW
000068 5A50 C0D4            0000D4   75          A     5,MILLS      $ CORRECTION FACTOR = 1 DAY VERISW
00006C                               76 CG5      EQU   *                                       VERISW
00006C 1A53                          77          AR    5,3          $ COMPUTE DESIRED TIME     VERISW
00006E 1255                          78          LTR   5,5          $                          VERISW
000070 4730 C07C            00007C   79          BP    FLAGO        $ DESIRED TIME NOT OCCURRED VERISW
000074                               80 CG7      EQU   *                                       VERISW
000074 4170 0001            00001    81          LA    7,1          $ TIME OCCURRED            VERISW
000078 47F0 C07E            00007E   82          B     RETURN       $                          VERISW
00007C 1D77                          83 FLAGO    SR    7,7          $                          VERISW
00007E 407C 4000            00000    84 RETURN   STH   7,0(,4)     $                          VERISW
                                     95          EPILOG SAVE                                   VERISW

000082 5800 C090            000090   87+         L     13,SAVE+4    EPILOG
000086 98EC D00C            0000C    88+         LM    14,12,12(13) 
00008A 07FE                          89+         BR    14 
00008C 00C000000C000000     90 SAVE  DC    18F'0'                                           VERISW
0000D4 05265C00             91 MILLS DC    F'86400000'                                      VERISW
0000D8 00000000             92 PTIME DC    A(TIME)                                          VERISW
0000DC 000000C000C0         93 TIME  DC    2F'0'                                            VERISW
                                     94          ENTRY TIME                                    VERISW
0000E2 0000                 95 AIOGMT DC   Y(IOGMT)                                         VERISW
000000                               96          END   CGMT                                    VERISW
```

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POS.ID	REL.ID	FLAGS	ADDRESS
01	01	0C	000000
01	02	04	0000E2

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SYMBOL	LEN	VALUE	DEFN	REFERENCES				
AIUGHT	00002	000002	00095	0054				
CGMT2	00001	000042	00062					
CGMT	00001	000000	00038	004C	0096			
CG5	00001	000040	00076	0073	0074			
CG7	00001	000074	00083	0031				
FLAGO	00002	000070	00083	0079				
GTIME	00001	000046	00064					
IUGMT	00001	000000	00039	0095				
MILLS	00004	000004	00091	0075				
PTIME	00004	000008	00092	0052				
RETURN	00004	000078	00094	0082				
SAVE	00004	000038	00090	0045	0087			
TIME	00002	00000C	00093	0065	0068	0077	0092	0094

STMT ERROR CODE MESSAGE 10/14/81

IFL046 AT LEAST ONE RELOCATABLE Y-TYPE CONSTANT IN ASSEMBLY

NO STATEMENTS FLAGGED IN THIS ASSEMBLY
0 WAS HIGHEST SEVERITY CODE
STATISTICS SOURCE RECORDS (SYSIN) = 85
OPTIONS IN EFFECT LIST, NODECK, LOAD, NORENT, XREF, NOTEST, ALGN, OS, NOTERM, LINECNT = 55
113 PRINTED LINES

SYMBOL TYPE ID ADDR LENGTH LD ID

SMT SD 01 000000 000056

```
LOC  OBJECT CODE    ADDR1 ADDR2  STMT   SOURCE STATEMENT                    F22NOV74  10/14/81
                                    1 ************************************************************ VERISW
                                    2 ************************************************************ VERISW
                                    3 **  ROUTINE:      SGMT                                      ** VERISW
                                    4 **                                                          ** VERISW
                                    5 **  FUNCTION:     THIS SUBROUTINE CALCULATES THE DIFFERENCE OF ** VERISW
                                    6 **                TWO TRC GMT'S AND IT RETURNS THE VALUE (SECONDS) ** VERISW
                                    7 **                                                          ** VERISW
                                    8 **                GMTVAL = (GMT1 - GMT2)/100                ** VERISW
                                    9 **                                                          ** VERISW
                                   10 **  CALLING SEQ:  CALL SGMT(GMT1,GMT2,GMTVAL)                ** VERISW
                                   11 **                                                          ** VERISW
                                   12 **                WHERE GMT1:   2-16BITS WORDS GMT          ** VERISW
                                   13 **                      GMT2:   2-16BITS WORDS GMT          ** VERISW
                                   14 **                      GMTVAL: 1-16BITS WORD (BASE SECOND) ** VERISW
                                   15 **                              BIT 0 INDICATES SIGN.       ** VERISW
                                   16 **                                                          ** VERISW
                                   17 ************************************************************ VERISW
                                   18 ************************************************************ VERISW
000000                             19 SGMT    CSECT                                               VERISW
000000                             20         USING SGMT,15                                       VERISW
000000 9029 001C          0001C    21         STM   2,9,28(13)      $                             VERISW
000004 9824 1000          00000    22         LM    2,4,0(1)        $ PICKUP PARAMETERS           VERISW
000008 7460 2002          00002    23         LS    6,2(,2)         $ CONVERT GMT TO INTERGER(MILLISECS) VERISW
00000C 8960 0010          00010    24         SLL   6,16            $                             VERISW
000010 7460 2004          00004    25         LS    6,4(,2)         $                             VERISW
000014 7450 3002          00002    26         LS    5,2(,3)         $                             VERISW
000018 8950 0010          00010    27         SLL   5,16            $                             VERISW
00001C 7450 3004          00004    28         LS    5,4(,3)         $                             VERISW
000020 1665                        29         SR    6,5             $                             VERISW
000022 2888                        30         SDR   8,8             $                             VERISW
000024 4892 0000          00000    31         LH    9,0(2)          $ FACTOR IN DAY               VERISW
000028 4053 C000          00000    32         SH    9,0(3)          $                             VERISW
00002C 5C80 F050          00050    33         M     8,K86400        $ CONVERT DT SECONDS          VERISW
000030 1A59                        34         AR    5,9             $                             VERISW
000032 1096                        35         LPR   9,6             $ TEST FOR OVERFLOW           VERISW
000034 8960 7FFF          0C000    36         LHI   9,X'7FFF'       $                             VERISW
000038 4700 F040          00040    37         BNH   SG2             $ NO OVERFLOW                 VERISW
00003C                             38 SG1     EQU   *               $                             VERISW
00003C 8960 7FFF          0C000    39         LHI   6,X'7FFF'       $ DEFAULT TO MAX              VERISW
000040                             40 SG2     EQU   *               $                             VERISW
000040 8060 0064          0C000    41         DSI   6,100           $ CONVERT TO SECS             VERISW
000044 4060 4000          00000    42         STH   6,0(,4)         $                             VERISW
000048 9829 001C          0001C    43         LM    2,9,28(13)      $                             VERISW
00004C 07FF                        44         BR    14              $                             VERISW
00004E 0000                        45 L1      DC    X'0000'         X'7FFFAC'                     VERISW
000050 00015180                    46 K86400  DC    X'00015180'     X'000186A0'                   VERISW
000000                             47         END   SGMT                                          VERISW
```

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SYMBOL	LEN	VALUE	DEFN	REFERENCES
KB6400	00004	000050	00045	0033
SGMT	00001	000000	00019	0020 0046
SG1	00001	000030	00038	
SG2	00001	000040	00040	0037

NO STATEMENTS FLAGGED IN THIS ASSEMBLY
STATISTICS SOURCE RECORDS (SYSIN) = 46
OPTIONS IN EFFECT LIST, NODECK, LOAD, NCREnT, XREF, NOTEST, ALGN, CS, NOTERM, LINECNT = 55
63 PRINTED LINES

EXTERNAL SYMBOL DICTIONARY

PAGE 1
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SYMBOL	TYPE	ID	ADDR	LENGTH	LD ID
ECMAG	SD	01	C0C000	000006	
MSGCOM	ER	02			

C-2

```
LOC  OBJECT CODE    ADDR1 ADDR2  STMT   SOURCE STATEMENT                                  F2.7(NOV74)  10/14/81
                                    1 ********************************************************************** VERIS5
                                    2 ********************************************************************** VERIS5
                                    3 **  ROUTINE:      ECMAG                                              **  VERIS5
                                    4 **                                                                     **  VERIS5
                                    5 **  FUNCTION:     THIS SUBROUTINE REQUESTS GNC DATA FROM I.C.         **  VERIS5
                                    6 **                                                                     **  VERIS5
                                    7 ********************************************************************** VERIS5
                                    8 ********************************************************************** VERIS5
000000                              9 ECMAG   CSECT                                                          VERIS5
000000                             10         USING ECPAG,15                                                 VERIS5
                                   11         EXTRN MSGCCM                                                   VERIS5
000000 90C4 D00C            0000C  12         STM   0,4,12(13)    $                                          VERIS5
                                   13 *                                                                     VERIS5
000004 2800                        14         SDR   0,0           $ REQUEST GNC DATA FROM IU                 VERIS5
000006 A301 F064            00064  15 SIO1    SIO   0,1,CSR3      $                                          VERIS5
00000A 4770 F006            00006  16         BNZ   SIO1          $                                          VERIS5
00000E A510 9000            00000  17         OSI   1,X'9000'     $ SNL REQUEST BIT                          VERIS5
000012 A510 F06C            00068  18 SIO2    SIO   1,0,*CSR3     $                                          VERIS5
000016 4770 F012            00012  19         BNZ   SIO2          $                                          VERIS5
                                   20 *                                                                     VERIS5
00001A 1811                        21         SR    1,1           $ CONVERT DATA TO MSSC-II FLOATING       VERIS5
00001C 7410 F058            00058  22         LD    1,=DBLE2      $ POINT                                    VERIS5
000020 4141 0006            00006  23         LA    4,134(1)      $ BEGIN AT MSGBLA(4)                       VERIS5
000024 8840 0009            00009  24         LHI   3,9           $ CONVERT 9 VALUES                         VERIS5
000028                             25 ECMAG0  EQU   *                                                        VERIS5
000028 D2C3 F064 4000 00004 00000  26         MVC   AFWRD(3),0(4) $ MOVE DATA                                VERIS5
00002E 5800 F064            00064  27         L     0,AFWRD       $                                          VERIS5
000032 12C0                        28         LTR   0,0           $                                          VERIS5
000034 4730 F050            00050  29         BM    ECMAG2        $                                          VERIS5
000038 13C0                        30         LCR   0,0           $ TWOS COMPLEMENT                          VERIS5
00003A 5000 F064            00064  31         ST    0,AFWRD       $                                          VERIS5
00003E 9800 8000            08000  32         LHI   0,X'8000'     $ OR IN SIGN BIT                           VERIS5
000042 6600 F064            00064  33         OS    0,AFWRD       $                                          VERIS5
000046 4000 F064            00064  34         STH   0,AFWRD       $                                          VERIS5
00004A D2C3 4000 F064 00000 00064  35         MVC   0(4,4),AFWRD  $ RESTORE DATA TO BLOCK                    VERIS5
000050                             36 ECMAG2  EQU   *                                                        VERIS5
000050 4144 0004            00004  37         LA    4,4(4)        $ ADVANCE TO NEXT BLOCK                    VERIS5
000054 4630 F028            00028  38         BCT   3,ECMAG0      $                                          VERIS5
                                   39 *                                                                     VERIS5
000058 5800 F064            00064  40         L     0,AFWRD       $                                          VERIS5
00005C                             41 ECMAG1  EQU   *                                                        VERIS5
00005C 98C4 D00C            0000C  42         LM    0,4,12(13)    $                                          VERIS5
000060 07FE                        43 RETURN  BR    14            $                                          VERIS5


000062 0000                        45 AFWRD   DC    F'0'                                                     VERIS5
000064 00CF0000                    46 AMSGCCM DC    Y(MSGCCM)                                                VERIS5
000068 00C3                        47 CSR3    DC    X'03FD'                                                  VERIS5
00006A 03FD                        48 =CSR3   DC    X'03FD'                                                  VERIS5
00006C BFF0                        49         END   ECMAG                                                    VERIS5
000000,
```

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POS.ID	REL.ID	FLAGS	ADDRESS
01	02	04	000004

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SYMBOL	LEN.	VALUE	DEFI	REFERENCES
AERRD	00004	000064	00045	0024 0027 0031 0033 0034 0039 0040
AMSGCNT	00002	000048	00040	0022
CSR3	00002	000064	00047	0015
ECMAG	00001	000000	00009	0010 0019
ECMAG0	00001	000028	00025	0038
ECMAG1	00001	000026	00041	
ECMAG2	00001	000000	00036	0029
MSGCNT	00001	000000	00011	0046
RETURN	00002	000060	00043	
SIO1	00004	000006	00015	0016
SIO2	00004	000012	00018	0019
WCSR3	00002	000060	00048	0018

STMT ERROR CODE MESSAGE 10/14/81

IEU040 AT LEAST ONE RELOCATABLE Y-TYPE CONSTANT IN ASSEMBLY

NO STATEMENTS FLAGGED IN THIS ASSEMBLY
4 WAS HIGHEST SEVERITY CODE
STATISTICS SOURCE RECORDS (SYSIN) = 49
OPTIONS IN EFFECT LIST, NODECK, LOAD, NORENT, XREF, NOTEST, ALGN, OS, NOTERM, LINECNT = 55
82 PRINTED LINES

SYMBOL	TYPE	ID	ADDR	LENGTH	LD ID
GNC	SD	01	000000	0000FC	
PCFBUF	ER	02			
SW4ASK	ER	03			
GNCCOM	ER	04			
SP4	ER	05			

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT F22RSV74 10/14/81

```
                                    1          PRINT OFF                                                    VERIFSW
                                   20 ********************************************************************** VERIFSW
                                   21 ********************************************************************** VERIFSW
                                   22 **  ROUTINE:      GNC                                               ** VERIFSW
                                   23 **                                                                   ** VERIFSW
                                   24 **  FUNCTION:     THIS SUBROUTINE FETCHES THE GNCC DATA (STOD)      ** VERIFSW
                                   25 **                FROM DPM LOCATION 80 THRU 98 (28 WORDS), THEN     ** VERIFSW
                                   26 **                MOVES TO THE COMMON AREA (GNCCOM).                ** VERIFSW
                                   27 **                AFTER THAT THIS ROUTINE CLEARS CSR1 (=0000).      ** VERIFSW
                                   28 **                                                                   ** VERIFSW
                                   29 ********************************************************************** VERIFSW
                                   30 ********************************************************************** VERIFSW
000000                             31 GNC      CSECT                                                        VERIFSW
                                   32          EXTRN   PCFBUF,SWMASK                                        VERIFSW
                                   33          EXTRN GNCCOM,SPM                                             VERIFSW
000000                             34          USING GNC,12                                                 VERIFSW
                                   35          PROLOG SAVE                                                  VERIFSW
000000 90EC D00C        0000C      36+         STM   14,12,12(13) % PROLOG
000004 18CF                        37+         LR    12,15 %
000006 182D                        38+         LR    2,13 %
000008 41D0 CC7C        0007C      39+         LA    13,SAVE %
00000C 502D 0004        00004      40+         ST    2,4(13) %
000010 50D2 0008        00008      41+         ST    13,8(2) %

000014 2822                        43          SDR   2,2         % READ GNC DATA FROM DPM                    VERIFSW
000016 7420 CCCA        000CA      44          LS    2,AGNCCOM   %                                          VERIFSW
00001A 415C 001C        0001C      45          LA    5,28        % 28 WORD AREA                             VERIFSW
00001E 7410 CCCE        000CE      46          LS    4,DPMGNC    %                                          VERIFSW
000022 4040 CCC8        000C8      47 LOOP     STH   4,DPMAD     %                                          VERIFSW
000026 A5C6 CCC8        000C8      48 SIO1     SIO   0,6,DPMAD   % READ DPM                                 VERIFSW
00002A 4770 CC26        00026      49          BNZ   SIO1        %                                          VERIFSW
00002E 4063 2000        00000      50          STH   6,0(3,2)    % SAVE GNC DATA                           VERIFSW
000032 413C 3002        00002      51          LA    3,2(,3)     % ADVANCE DATA ADDRESS                     VERIFSW
000036 414C 4001        00001      52          LA    4,1(,4)     % ADVANCE DPM ADDRESS                      VERIFSW
00003A 465C C022        00022      53          BCT   5,LOOP      %                                          VERIFSW
                                   54          SR    2,2         %                                          VERIFSW
000040 A520 CCCC        000CC      55 SIO2     SIO   2,0,WCSR1   % OUTPUT DATA TO SCRATCH PAD MEMORY         VERIFSW
000044 4770 C040        00040      56          BNZ   SIO2        %                                          VERIFSW
000048 7440 CCCA        000CA      57          LS    4,AGNCCOM   %                                          VERIFSW
00004C 5040 CCD0        000D0      58          ST    4,APARMS    %                                          VERIFSW
000050 4110 CCD0        000D0      59          LA    1,APARMS    %                                          VERIFSW
000054 74F0 CCDE        000DE      60          LS    15,ASPM     % OUTPUT TO SPM                            VERIFSW
000058 05EF                        61          BALR  14,15       % OUTPUT TO SPM                            VERIFSW
                                   62 *                                                                     VERIFSW
00005A 2822                        63          SDR   2,2         % TEST FOR S/W MASK ENABLE                 VERIFSW
00005C 7420 CCC6        000C6      64          LS    2,APCFBUF   %                                          VERIFSW
000060 7432 003C        0003C      65          LS    3,60(2)     % PCFBF4(31)    S/W MASK ENABLE            VERIFSW
000064 C233                        66          LTSR  3,3         %                                          VERIFSW
000066 4780 C070        00070      67          BZ    GNC4        % S/W MASK NOT ENABLED                     VERIFSW
                                   68 *                                                                     VERIFSW
00006A 74FC CCC4        000C4      69          LS    15,ASWMASK  %                                          VERIFSW
00006E 05EF                        70          BALR  14,15       % PERFORM S/W MASK CALCULATIONS             VERIFSW
                                   71 *                                                                     VERIFSW
000070                             72 GNC4     EQU   *                                                      VERIFSW
                                   73          EPILOG SAVE                                                  VERIFSW
```

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT			F22NOV74 10/14/81
000070	5800 C030		0030	75+		L	13,SAVE+4 % EPILOG	
000074	98EC D00C		000C	76+		LM	14,12,12(13) *	
000078	07FE			77+		BR	14 %	
00007A	0000							
00007C	00000000000000C0			78	SAVE	DC	18F'0'	VERISW
0000C4	0000			79	ASWMASK	DC	Y(SWMASK)	VERISW
0000C6	0000			80	APCFBUF	DC	Y(PCFBUF)	VERISW
0000C8	0000			81	DPMAD	DC	F'0'	VERISW
0000CA	0000			82	AGNCCOM	DC	Y(GNCCOM)	VERISW
0000CC	BFFB			83	WCSRI	DC	X'BFFB'	VERISW
0000CE	8090			84	DPMGNC	DC	X'8090'	VERISW
0000D0	00000000			85	APARMS	DC	A(0)	VERISW
0000D4	00000000			86		DC	A(N28)	VERISW
0000D8	90C000E0			87		DC	X'90',AL3(SPMA)	VERISW
0000DC	001C			88	N28	DC	H'28'	VERISW
0000DE	3000			89	ASPM	DC	Y(SPM)	VERISW
0000E0	69E9159959D93569			90	SPMA	DC	X'69E9159959D93569'	VERISW
0000E8	0585450525A565C5			91		DC	X'0585450525A565C5'	VERISW
0000F4	5505358575F5C0E0			92		DC	X'5505358575F5C0E0'	VERISW
000000				93		END	GNC	VERISW

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POS.ID	REL.ID	FLAGS	ADDRESS
01	01	0C	000004
01	01	02	000032
01	02	04	000036
01	03	04	0000C4
01	04	04	0000CA
01	05	04	0000DE

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SYMBOL	LEN	VALUE	DEFN	REFERENCES	
ASNCOM	00002	000004	00082	0044	0057
APARMS	00004	000000	00085	0058	0069
APCFBUF	00002	000004	00080	0064	
ASPH	00002	00001F	00039	0060	
ASHMASK	00002	000004	00079	0066	
DPMAD	00002	000008	00031	0047	0048
DPMGNL	00002	000008	00084	0046	
GNC	00001	000000	00031	0034	0093
GNCCOM	00001	000000	00033	0092	
GNC4	00001	000070	00072	0067	
LOOP	00004	000022	00047	0053	
N2B	00002	000008	00038	0036	
PCFBUF	00001	000000	00032	0080	
SAVE	00004	000070	00078	0039	0075
SIO1	00004	000028	00048	0049	
SIO2	00004	000040	00055	0056	
SP4	00001	000008	00033	0089	
SPMA	00010	000000	00090	0087	
SWMASK	00001	000000	00032	0079	
WCSK1	00002	000000	00083	0055	

10/14/81

STMT ERROR CODE MESSAGE

LLC046 AT LEAST ONE RELOCATABLE Y-TYPE CONSTANT IN ASSEMBLY

NO STATEMENTS FLAGGED IN THIS ASSEMBLY
4 WAS HIGHEST SEVERITY CODE
STATISTICS SOURCE RECORDS (SYSIN) = 82
OPTIONS IN EFFECT LIST, NOOLCK, LOAD, NORENT, XREF, NOTEST, ALGN, OS, NOTERM, LINECNT = 55
124 PRINTED LINES

SYMBOL	TYPE	ID	ADDR	LENGTH	LD ID
ECOML	SD	01	000000	0002AC	
REVB	ER	02			
PCFBUF	ER	03			
TLBUF	ER	04			
OUTCOM	ER	05			
IOCREG	ER	06			
ECBSUB	LD		000199		01

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT F22NOV74 10/14/81

```
                                     1          PRINT OFF                                                          VERISW
                                    20 ********************************************************************** VERISW
                                    21 ********************************************************************** VERISW
                                    22 **  ROUTINE:     ECBML                                                  ** VERISW
                                    23 **                                                                      ** VERISW
                                    24 **  ECBML CALCULATES THE BML SIGNAL DATA USED FOR THE SCPAC             VERISW
                                    25 **  GRAPHICS DISPLAY. THE FOLLOWING BML GRAPHICS DATA ARE CALCULATED    VERISW
                                    26 **  1.  PCHACC      (G)      10 VALUES                                  VERISW
                                    27 **  2.  CSCHCV      (G)      20 VALUES                                  VERISW
                                    28 **  3.  YAWACC      (G)      20 VALUES                                  VERISW
                                    29 **  4.  ANODV       (P)       1 VALUE                                   VERISW
                                    30 **  5.  ANODC       (P)       1 VALUE                                   VERISW
                                    31 **  6.  BMV         (G,P)    10 VALUES, 1 VALUE                         VERISW
                                    32 **  7.  TPDH        (A)       1 VALUE                                   VERISW
                                    33 **  8.  CATHCH      (G,P)    10 VALUES, 1 VALUE                         VERISW
                                    34 **  9.  FPITPRG     (G)      10 VALUES                                  VERISW
                                    35 **  10. BODYCH      (P)       1 VALUE                                   VERISW
                                    36 **                                                                      ** VERISW
                                    37 **                                                                      ** VERISW
                                    38 ********************************************************************** VERISW
                                    39 ********************************************************************** VERISW
000000                              40 ECBML   CSECT                                                           VERISW
000000                              41         USING ECBML,12                                                  VERISW
                                    42         EXTRN REV8,PCFBUF,TLBUF,OUTCOM,IUCREG                           VERISW
                                    43         PROLOG SAVE                                                     VERISW
000000 90EC D00C          00000C    44+        STM   14,12,12(13) % PROLOG
000004 18CF                         45+        LR    12,15 %
000006 1820                         46+        LR    2,13 %
000008 41D0 C264          00264     47+        LA    13,SAVE %
00000C 5020 0004          00004     48+        ST    2,4(13) %
000010 50D0 0008          00008     49+        ST    13,8(2) %

                                    51 *
000014 1811                         52         SR    1,1             $
000016 7410 C23A          0023A     53         LS    1,AOUTCOM       $ AOUTCOM COMMON BLOCK
00001A 92C1 1003          00003     54         MVI   3(1),X'01'      $ SET SIN12
00001E 92C1 1005          00005     55         MVI   5(1),X'01'      $ SET SIN13
000022 4111 003E          0003F     56         LA    1,62(1)         $ ADVANCE TO BOUT2
000026 8820 6FFB          00000     57         LHI   2,X'6FFB'       $ BIL FLAGS
00002A 4021 C00F          00000     58         STH   2,14(1)         $
                                    59 *       PITCH ANGLE                                                     VERISW
00002E 1833                         60         SR    3,3             $                                         VERISW
000030 7430 C23C          0023C     61         LS    3,ATLBUF        $ A(TLBUF COMMON BLOCK)                   VERISW
000034 4843 0006          00006     62         LH    4,6(3)          $ TLHED(4) = TIME                         VERISW
000038 8830 005E          00000     63         LHI   3,94            $                                         VERISW
00003C                              64 EC005   EQU   *                                                         VERISW
00003C 8840 0258          00000     65         SHI   4,600           $ DETERMINE MINUTE IN TU                  VERISW
000040 1244                         66         LTR   4,4             $                                         VERISW
000042 4700 C052          00052     67         BNP   EC315           $                                         VERISW
000046 8850 0C0E          00000     68         LHI   5,190           $                                         VERISW
00004A 1853                         69         SR    5,3             $ FLIP-FLOP PITCH ANGLE                   VERISW
00004C 1835                         70         LR    3,5             $                                         VERISW
00004E 47F0 C03C          0003C     71         B     EC305           $                                         VERISW
000052                              72 EC315   EQU   *                                                         VERISW
000052 1855                         73         SR    5,5             $                                         VERISW
```

CLC 34(1),X'00'
BNE EC601
CLC 5(1),X'00'
BNE EC601
LAE 15,REASON
LS 15,STATE(15)
CSI 5,6
BNE 4

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LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT			F22NOV78	10/14/81
000054	7450 C23E		0023E	74		LS	5,APCFBUF	$ A(PCFBUF COMMON BLOCK)	VERISW
000058	4843 5C0C		00000	75		LH	4,0(3,5)	$ PICK UP PITCH ANGLE PCF(48 OR 49)	VERISW
00005C	4241 0015		00015	76		STC	4,21(1)	$	VERISW
				77 *		J			VERISW
000060	1B44			78		SR	4,4	$	VERISW
000062	7440 C240		00240	79		LS	4,ATOCREG	$	VERISW
000066	4854 0008		00008	80		LH	5,8(4)	$ COMMAND REGISTER - BOARD 2 WORD 0	VERISW
00006A	4050 C244		00244	81		STH	5,DATA	$	VERISW
00006E	7470 C242		00242	82		LS	15,AREV8	$ A(REV8)	VERISW
000072	4110 C24C		0024C	83		LA	1,PARM1	$	VERISW
000076	05EF			84		BALR	14,15	$ REVERSE BITS	VERISW
000078	9860 0005	00000		85		LHI	6,5	$	VERISW
00007C	4850 C244		00244	86		LH	5,DATA	$	VERISW
000080	9E50 0001	00000		87		TDI	5,X'0001'	$	VERISW
000084	4710 CC92		00092	88		BO	ECB25	$	VERISW
000088	885C 0001		00001	89		SRL	5,1	$	VERISW
00008C	BA50 0001	00000		90		AHI	5,1	$	VERISW
000090	1B65			91		LR	6,5	$	VERISW
000092				92	ECB25	EQU	*		VERISW
000092	7410 C23A		0023A	93		LS	1,ACUTCOM	$ A(OUTCOM)	VERISW
000096	4111 003E		0003E	94		LA	1,62(1)	$	VERISW
00009A	4261 0012		00012	95		STC	6,18(1)	$	VERISW
0000 9E	4150 C198		00198	97		LA	5,ECBSUB	$ 'UNV'	VERISW
0000A2	4161 0010		00010	98		LA	6,16(1)	$	VERISW
0000A6	4171 0018		00018	99		LA	7,24(1)	$	VERISW
0000AA	92FF C246	00246		100		MVI	PK,X'FF'	$ SELECT PEAK	VERISW
0000AE	92FF C248	00248		101		MVI	AV,X'FF'	$ SELECT AVERAGE	VERISW
0000B2	1B88			102		SR	8,8	$	VERISW
0000B4	A880 DCE2	0C000		103		LSI	8,X'DCE2'	$	VERISW
0000B8	B8A0 000A	00000		104		LHI	10,10	$	VERISW
0000BC	B8BC 0019	00000		105		LHI	11,25	$	VERISW
0000C0	05E9			106		BALR	14,9	$	VERISW
0000C2	4161 0011		00011	108		LA	6,17(1)	$ 'LATHCH'	VERISW
0000C6	4171 0022		00022	109		LA	7,34(1)	$	VERISW
0000CA	1B89			110		SR	8,8	$	VERISW
0000CC	A880 DCE6	00000		111		LSI	8,X'DCE6'	$	VERISW
0000D0	B8A0 000A	00000		112		LHI	10,10	$	VERISW
0000D4	B8B0 0019	00000		113		LHI	11,25	$	VERISW
0000D8	05E9			114		BALR	14,9	$	VERISW
0000DA	4171 0013		00013	116		LA	7,19(1)	$ 'LPDH'	VERISW
0000DE	9200 C246	00246		117		MVI	PK,X'00'	$ DESELECT PEAK	VERISW
0000E2	1B88			118		SR	8,8	$	VERISW
0000E4	A880 DCE3	0C000		119		LSI	8,X'DCE3'	$	VERISW
0000E8	B8A0 0001	00000		120		LHI	10,1	$	VERISW
0000EC	B8B0 00FA	00000		121		LHI	11,250	$	VERISW
0000F0	05E9			122		BALR	14,9	$	VERISW
0000F2	4161 0014		00014	124		LA	6,20(1)	$ 'BUCYCH'	VERISW
0000F6	92FF C246	00246		125		MVI	PK,X'FF'	$ SELECT PEAK	VERISW
0000FA	9200 C248	00248		126		MVI	AV,X'00'	$ DSELECT AVERAGE	VERISW
0000FE	1B88			127		SR	8,8	$	VERISW
000100	A880 DCE6	0C000		128		LSI	8,X'DCE6'	$	VERISW

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT F 22NOV74 10/14/81

```
000124 9840 0001        00000     129          LHI   10,1          $                    VERISW
000128 8880 00FA        00000     130          LHI   11,250        $                    VERISW
00012C 05E9               131          BALR  14,9          $                    VERISW

00012E 4161 0016        00016     133          LA    6,22(1)       $ 'ANODV'            VERISW
000132 1BE8               134          SR    8,8           $                    VERISW
000134 A880 0CDA        00000     135          LSI   8,X'0CDA'     $                    VERISW
000138 98A0 0001        00000     136          LHI   10,1          $                    VERISW
00013C 8880 00FA        00000     137          LHI   11,250        $                    VERISW
000140 05E9               138          BALR  14,9          $                    VERISW

000142 4161 0017        00017     140          LA    6,23(1)       $ 'ANODC'            VERISW
000146 1BE8               141          SR    8,8           $                    VERISW
000148 A880 0CDE        00000     142          LSI   8,X'0CDE'     $                    VERISW
00014C 98A0 0001        00000     143          LHI   10,1          $                    VERISW
000150 8880 00FA        00000     144          LHI   11,250        $                    VERISW
000154 05E9               145          BALR  14,9          $                    VERISW

000156 4171 002C        0002C     147          LA    7,44(1)       $ 'FPTPHG'           VERISW
00015A 92C0 C246        00246     148          MVI   FK,X'00'      $ DESELECT PEAK      VERISW
00015E 92FF C248        00248     149          MVI   AV,X'FF'      $ SELECT AVERAGE     VERISW
000162 1B88               150          SR    8,8           $                    VERISW
000164 A880 0CE0        00000     151          LSI   8,X'0CE0'     $                    VERISW
000168 98A0 000A        00000     152          LHI   10,10         $                    VERISW
00016C 8880 0019        00000     153          LHI   11,25         $                    VERISW
000170 05E9               154          BALR  14,9          $                    VERISW

000172 4171 0036        00036     156          LA    7,54(1)       $ 'PWASC'            VERISW
000176 1B88               157          SR    8,8           $                    VERISW
000178 A880 0CD6        00000     158          LSI   8,X'0CD6'     $                    VERISW
00017C 98A0 000A        00000     159          LHI   10,10         $                    VERISW
000180 8880 0019        00000     160          LHI   11,25         $                    VERISW
000184 05E9               161          BALR  14,9          $                    VERISW

000186 4171 0056        00056     163          LA    7,86(1)       $ 'USCHSV'           VERISW
00018A 1B88               164          SR    8,8           $                    VERISW
00018C A880 0CD9        00000     165          LSI   8,X'0CD9'     $                    VERISW
000190 98A0 0014        00000     166          LHI   10,20         $                    VERISW
000194 8880 000C        00000     167          LHI   11,12         $                    VERISW
000198 05E9               168          BALR  14,9          $                    VERISW

00019A 4171 006A        0006A     170          LA    7,106(1)      $ 'HANDDL'           VERISW
00019E 1B88               171          SR    8,8           $                    VERISW
0001A0 A880 0CD9        00000     172          LSI   8,X'0CD9'     $                    VERISW
0001A4 98A0 0014        00000     173          LHI   10,20         $                    VERISW
0001A8 8880 000C        00000     174          LHI   11,12         $                    VERISW
0001AC 05E9               175          BALR  14,9          $                    VERISW
                          176          EPILOG SAVE                                    VERISW

0001AE 58D0 C268        00268     178+         L     13,SAVE+4     * EPILOG
0001B2 98EC 000C        000CC     179+         LM    14,12,12(13)  *
0001B6 07FE               180+         BR    14            *
```

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT F22NOV74 10/14/81

```
                                    182 * ECOSUB FETCHES DATA FROM BML AREA, ROLLS DATA, PERFORMS                VERISW
                                    183 * AVERAGING, PEAKING.                                                   VERISW
000198                              184 ECOSUB  EQU   *                                                         VERISW
                                    185         ENTRY ECOSUB                                                    VERISW
000198                              186         USING ECOSUB,9                                                  VERISW
000198 2B22                         187         SDR   2,2       $ INITIALIZE AVG AND PEAK TO 0                  VERISW
00019A 502C 9CC0        00258       188         ST    2,AVG     $                                             VERISW
00019E 5020 9CC4        0025C       189         ST    2,PEAK    $                                             VERISW
0001A2                              190 SUB0    EQU   *                                                         VERISW
0001A2 58BC 98BC        00254       191         ST    11,NUM    $ TEMP SAVE OF NUMBER OF SENSORS              VERISW
0001A6 5010 9CC8        00260       192         ST    1,SAVE1   $                                             VERISW
0001AA                              193 SUB1    EQU   *                                                         VERISW
0001AA 2B22                         194         SDR   2,2       $                                             VERISW
0001AC 2B44                         195         SDR   4,4       $                                             VERISW
0001AE 9810 0008        00000       196         LHI   1,8       $ SETUP FOR ROLL OF BITS                      VERISW
0001B2 4328 0000        00300       197         IC    2,0(8)    $ FETCH BML DATA                              VERISW
0001B6                              198 SUB2    EQU   *                                                         VERISW
0001B6 9C20 0001        00001       199         SRDL  2,1       $ ROLL                                        VERISW
0001BA 1853                         200         LR    5,3       $                                             VERISW
0001BC 9C4C 0001        00001       201         SLDL  4,1       $                                             VERISW
0001C0 4610 9CIE        001B6       202         BCT   1,SUB2    $                                             VERISW
                                    203 *                                                                       VERISW
0001C4 8A80 0C24        00000       204         AHI   8,36      $ ADVANCE BML ADDRESS                         VERISW
0001C8 2B22                         205         SDR   2,2       $                                             VERISW
0001CA 1855                         206         SR    5,5       $                                             VERISW
0001CC                              207 SUB3    EQU   *                                                         VERISW
0001CC 95FF 9080        00248       208         CLI   AV,X'FF'  $ AVERAGE?                                    VERISW
0001D0 4770 9046        001DE       209         BNE   SUB4      $ NO                                          VERISW
0001D4 5830 9CC0        00258       210         L     3,AVG     $ COMPUTE AVERAGE                             VERISW
0001D8 1A34                         211         AR    3,4       $                                             VERISW
0001DA 5030 9CC0        00258       212         ST    3,AVG     $ TOTAL SUM                                   VERISW
0001DE                              213 SUB4    EQU   *                                                         VERISW
0001DE 95FF 9CAE        00246       214         CLI   PK,X'FF'  $ PEAK?                                       VERISW
0001E2 4770 905A        001F2       215         BNE   SUB5      $ NO                                          VERISW
0001E6 594C 9CC4        0025C       216         C     4,PEAK    $ MAKE PEAK TEST                              VERISW
0001EA 474C 9C5A        001F2       217         BL    SUB5      $                                             VERISW
0001EE 504C 9CC4        0025C       218         ST    4,PEAK    $ NEW PEAK                                    VERISW
0001F2                              219 SUB5    EQU   *                                                         VERISW
0001F2 46B0 9012        001AA       220         BCT   11,SUB1   $                                             VERISW
0001F6 95FF 9CB0        00249       221         CLI   AV,X'FF'  $ AVERAGE?                                    VERISW
0001FA 477C 9C12        0021A       222         BNE   SUB6      $ NO                                          VERISW
0001FE 1B22                         223         SR    2,2       $                                             VERISW
000200 5830 9CC0        00258       224         L     3,AVG     $                                             VERISW
000204 5D20 98BC        00254       225         D     2,NUM     $ COMPUTE AVERAGE                             VERISW
000208 4237 0CC0        00000       226         STC   3,0(7)    $ INSERT AVERAGE                              VERISW
00020C 4177 0001        00001       227         LA    7,1(7)    $ ADVANCE AVERAGE INSERT ADDRESS              VERISW
000210 5898 9CBC        00254       228         L     11,NUM    $ RELOAD FOR NEXT PASS                        VERISW
000214 1B22                         229         SR    2,2       $                                             VERISW
000216 5020 9CC0        00258       230         ST    2,AVG     $                                             VERISW
00021A                              231 SUB6    EQU   *                                                         VERISW
00021A 46A0 9012        001AA       232         BCT   10,SUB1   $                                             VERISW
00021E 95FF 9CAE        00246       233         CLI   PK,X'FF'  $ PEAK?                                       VERISW
000222 477C 9C0A        00232       234         BNE   SUB7      $                                             VERISW
000226 5850 9CC4        0025C       235         L     5,PEAK    $                                             VERISW
00022A 4256 0000        00000       236         STC   5,0(6)    $ INSERT PEAK                                 VERISW
```

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LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT				F 22NOV74	10/14/81
000225	4166 0001		00001	237		LA	6,1(0)	* ADVANCE PEAK INSERT ADDRESS		VERISW
000232				238	SUBY	EQU	*			VERISW
000232	1B88			239		SR	8,8	*		VERISW
000234	581C 9000		00260	240		L	1,SAVE1	*		VERISW
000238	07FE			241		BR	14	*		VERISW
000238	0000			243	ADUTCOM	DC	Y(DUTCC1)			VERISW
00023C	0000			244	ATLBUF	DC	Y(TLBUF)			VERISW
00023E	0000			245	APCFBUF	DC	Y(PCFBUF)			VERISW
000240	0000			246	AIUCREG	DC	Y(IUCREG)			VERISW
000242	0000			247	AREVB	DC	Y(REVB)			VERISW
000244				248	DATA	DS	H			VERISW
000246				249	PK	DS	H			VERISW
000248				250	AV	DS	F			VERISW
00024A	0000									
00024C	00CC0244			251	PARM1	DC	A(DATA)			VERISW
000250	00CC0244			252		DC	A(DATA)			VERISW
000254				253	NUM	DS	F			VERISW
000258				254	AVG	DS	F			VERISW
00025C				255	PEAK	DS	F			VERISW
000260				256	SAVE1	DS	F			VERISW
000264				257	SAVE	DS	18F			VERISW
C00000				258		END	ECBME			VERISW

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PGS.ID	REL.ID	FLAGS	ADDRESS
01	01	0C	000240
01	01	0C	000250
01	02	04	000242
01	03	04	000238
01	04	04	000236
01	05	04	00023A
01	06	04	000240

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SYMBOL	LEN	VALUE	DEFN	REFERENCES					
AJUCREG	00002	000240	00246	0070					
AOUTCOM	00002	000234	00240	0053	0093				
APCFBUF	00002	00023E	00245	0074					
ARFV8	00002	000242	00247	0082					
ATLBUF	00002	000236	00244	0061					
AV	00002	000248	00250	0101	0126	0149	0208	0221	
AVG	00004	000250	00254	0190	0210	0212	0224	0230	
DATA	00002	000244	00248	0081	0096	0251	0252		
ECBML	00001	000000	00040	0041	0258				
ECBSUB	00001	000198	00184	0097	0195	0196			
ECB05	00001	00003C	00064	0071					
ECB15	00001	000052	00072	0067					
ECB25	00001	000052	00092	0038					
IUCREG	00001	000000	00042	0246					
NUM	00004	000254	00253	0191	0225	0228			
OUTCOM	00001	000000	00042	0243					
PARM1	00004	00024C	00251	0093					
PCFBUF	00001	000000	00042	0245					
PEAK	00004	000258	00255	0199	0216	0218	0235		
PK	00002	000246	00249	0100	0117	0125	0148	0214	0233
REV8	00001	000000	00042	0247					
SAVE	00004	000264	00257	0047	0178				
SAVE1	00004	000260	00256	0192	0240				
SUB0	00001	0001A2	00190						
SUB1	00001	0001AA	00193	0220	0232				
SUB2	00001	0001B6	00198	0202					
SUB3	00001	0001CC	00207						
SUB4	00001	0001DE	00213	0209					
SUB5	00001	0001F2	00219	0215	0217				
SUB6	00001	000210	00231	0222					
SUB7	00001	000222	00238	0234					
TLBUF	00001	000000	00042	0244					

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STMT ERROR CODE MESSAGE

ICU036 AT LEAST ONE RELOCATABLE V-TYPE CONSTANT IN ASSEMBLY

NO STATEMENTS FLAGGED IN THIS ASSEMBLY
4 WAS HIGHEST SEVERITY CODE
STATISTICS SOURCE RECORDS (SYSIN) = 247
OPTIONS IN EFFECT LIST, NODECK, LOAD, NORENT, XREF, NOTEST, ALGN, DS, NOTERM, LINECNT = 55
298 PRINTED LINES

EXTERNAL SYMBOL DICTIONARY

SYMBOL	TYPE	ID	ADDR	LENGTH	LD ID
IOSYT	SD	01	000000	000150	
SCRT	ER	02			
FORLG	ER	03			

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT F22H0V74 10/15/81

```
                                    1          PRINT OFF                                                    VERISK
                                   20 ************************************************************************ VERISK
                                   21 ************************************************************************ VERISK
                                   22 **  ROUTINE:     IUGMT                                              **  VERISK
                                   23 **                                                                   **  VERISK
                                   24 **  FUNCTION:    THIS SUBROUTINE FETCHES THE GMT AND STORES IT IN   **  VERISK
                                   25 **               THREE 16-BIT WORDS.                                **  VERISK
                                   26 **                                                                   **  VERISK
                                   27 **  CALLING SEQ: CALL IUGMT(TIME)                                   **  VERISK
                                   28 **                                                                   **  VERISK
                                   29 **  NOTE:        TIME(1)    = DAY IN YEAR                           **  VERISK
                                   30 **               TIME(2&3)  = TIME WITH LSB = 10MS                  **  VERISK
                                   31 **                                                                   **  VERISK
                                   32 ************************************************************************ VERISK
                                   33 ************************************************************************ VERISK
000000                             34 IUGMT   CSECT                                                        VERISK
                                   35         EXTRN   SGMT,FGFLG                                           VERISK
000000                             36         USING IUGMT,12                                               VERISK
                                   37         PROLOG SAVE                                                  VERISK
000000 90EC D00C                   38+        STM   14,12,12(13) * PROLOG
000004 18CF                        39+        LR    12,15 *
000006 1820                        40+        LR    2,13 *
000008 4100 C104          00104    41+        LA    13,SAVE *
00000C 5020 0004          00004    42+        ST    2,4(13) *
000010 5002 0008          00008    43+        ST    13,8(2) *

000014 58A1 0000          00000    45         L     10,0(1)                                                VERISK
000018 95C0 0054          00054    46         CLI   84(3),X'00'      * MANUAL MODE                         VERISK
00001C 4780 C02E          0002E    47         BE    IU000            * NO                                  VERISK
000020 1899                        48         SR    9,9              *                                     VERISK
000022 7490 C0D6          000F6    49         LS    9,AFDFLG         * USE FAKE GMT                        VERISK
000026 4199 0020          00020    50         LA    9,32(9)                                                VERISK
00002A 47F0 C0D4          00004    51         B     SIC2)                                                  VERISK
00002E                             52 IU000   EQU   *                                                      VERISK
00002E 98BC 0002          00000    53         LMI   0,2              PREPARE FOR 2 READS                   VERISK
000032 4190 C0EA          000EA    54         LA    9,TIM1                                                 VERISK
000036                             55 IU001   EQU   *                                                      VERISK
000036                             56 IU01    EQU   *                                                      VERISK
000036 2B22                        57         SDR   2,2                                                    VERISK
000038 A523 C150          00150    58         SIO   2,3,RESET        RESET                                 VERISK
00003C 4770 C038          00038    59         BNZ   *-4                                                    VERISK
000040 2B22                        60         SDR   2,2                                                    VERISK
000042 A523 C140          00140    61 SIC1    SIO   2,3,SET                                                VERISK
000046 4770 C042          00042    62         BNZ   SIC1                                                   VERISK
00004A A933 FFE2          00000    63         CSI   3,X'FFE2'                                              VERISK
00004E 4770 C042          00042    64         BNE   SIC1                                                   VERISK
000052 2B22                        65         SDR   2,2                                                    VERISK
000054 A523 C14E          0014E    65 SIC2    SIO   2,3,SIC2                                               VERISK
000058 4770 C054          00054    67         BNZ   SIC2                                                   VERISK
00005C A933 FFF1          00000    68         CSI   3,X'FFF1'                                              VERISK
000060 4770 C054          00054    69         BNE   SIC2                                                   VERISK
000064 2B22                        70         SDR   2,2                                                    VERISK
000066 A5C2 C152          00152    71 SIC3    SIO   0,2,RLAD1                                              VERISK
00006A 4770 C066          00066    72         BNZ   SIC3                                                   VERISK
00006E B420 07FF          00000    73         NSI   2,X'07FF'                                              VERISK
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 LOC  OBJECT CODE    ADDR1 ADDR2  STMT   SOURCE STATEMENT                                  F2.7H0V7.0  10/14/81
                                                                                                        VERISM
000072 4503 C154            00154   74 SIO4     STC   3,3,READ2                                       VERISM
000076 4770 C072            00072   75          BNZ   SIO4                                            VERISM
00007A 8930 0010            00010   76          SLL   3,16                                            VERISM
00007E 8920 0010            00010   77          SRDL  2,16                                            VERISM
000082 5020 C150            00150   78          C     2,ICN                                           VERISM
000086 403C 9004            00004   79          STH   3,4(,9)          STORE LOW ORDER HS              VERISM
00008A 8930 0010            00010   80          SRL   3,16                                            VERISM
00008E 403C 9002            00002   81          STH   3,2(,9)                                         VERISM
000092 2B22                         82          SDR   2,2                                             VERISM
000094 4523 C156            00156   83 SIO5     STC   2,3,YEAR                                        VERISM
000098 4770 C094            00094   84          BNZ   SIO5                                            VERISM
00009C 0430 01FF  0C000             85          NSI   3,X'01FF'                                       VERISM
0000A0 403C 9000            00000   86          STH   3,0(,9)                                         VERISM
0000A4 4523 C140            00140   87          STC   2,3,SCT                                         VERISM
0000A8 4770 C0A4            000A4   88          BNZ   *-4                                             VERISM
0000AC A93C FFE2  0C0J0             89          CSI   3,X'FFE2'                                       VERISM
0000B0 4770 C036            00036   90          BNE   IO01          NOT 0000 TRY AGAIN                VERISM
                                    91 *                                                              VERISM
0000B4 4150 C0F0            000F0   92          LA    5,TIM2                                          VERISM
0000B8 4690 C036            00036   93          BCT   9,IO001       READ SECOND TIME                  VERISM
0000BC 4110 C0F8            000F8   94          LA    1,PARMS                                         VERISM
0000C0 74F0 CCE4            000E4   95          LS    15,ASGMT      COMPUTE DELTA                     VERISM
0000C4 05EF                         96          BALR  14,15                                           VERISM
0000C6 1B88                         97          SR    8,8                                             VERISM
0000C8 7480 C0E8            000E8   98          LS    8,DTIM                                          VERISM
0000CC 5990 0002  00000             99          CHI   9,2           GREATER THAN 2 SECONDS            VERISM
0000D0 4780 C02E            0002E  100          BNL   IO030         YES                               VERISM
0000D4                     101 SIO20    EQU   *                                                      VERISM
0000D4 D2C5 A00C 9000 00000 00000  102          MVC   0(6,10),0(9)  STORE LATEST TIME               VERISM
                                   103          EPILOG SAVE                                          VERISM

0000DA 58E0 C108            00108  105+         L     14,SAVE+4 % EPILOG
0000DE 98EC 0C0C            000CC  106+         LM    14,12,12(13) %
0000E2 07FE                        107+         BR    14 %
0000E4                             108          DS    0H                                              VERISM
0000E4 0000                        109 ASGMT    DC    V(SSMT)                                         VERISM
0000E8 0000                        110 AFOFLG   DC    V(FCFLG)                                        VERISM
0000EC 0000                        111 DTIM     DC    H'0'    DELTA TIME                              VERISM
0000EE 00C000CC00C0                112 TIM1     DC    3F'0'                                           VERISM
0000F6 00C0C0000000C0              113 TIM2     DC    3F'0'                                           VERISM
0000F6 0000
0000F8 00C000FC                    114 PARMS    DC    A(TIM2)                                         VERISM
0000FC 000000EA                    115          DC    A(TIM1)                                         VERISM
000100 900000EB                    116          DC    X'80',AL3(DTIM)                                 VERISM
000104 000000C0000C00000           117 SAVE     DC    18F'0'                                          VERISM
000140 3085                        118 SCT      DC    X'3085'                                         VERISM
000142 3083                        119 SCT2     DC    X'3083'                                         VERISM
000150 3785                        120 RESET    DC    X'3785'                                         VERISM
000152 3086                        121 READ1    DC    X'3086'                                         VERISM
000154 3082                        122 READ2    DC    X'3082'                                         VERISM
000156 3081                        123 YEAR     DC    X'3081'                                         VERISM
000158 00C0000A                    124 TEN      DC    F'10'                                           VERISM
00000D                             125          END   IOCNT                                           VERISM
```

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POS.ID	REL.ID	FLAGS	ADDRESS
01	01	CC	0000E8
01	01	0C	0000EC
01	01	CF	000101
01	02	04	0000E4
01	C3	C4	0000E6

SYMBOL	LEN	VALUE	DEFN	REFERENCES	
ADDFLG	00002	00CCE6	00110	0049	
ASSMT	00002	00C0E4	00109	0055	
DTIM	00002	00CCE8	00111	0098	0116
FOFLG	00001	000000	00035	0110	
IUGMT	00001	000000	00034	0036	0125
IU000	00001	00002E	00052	0047	0100
IU001	00001	000036	00055	0093	
IU01	00001	000036	00056	0090	
PARMS	00004	00CCF8	00114	0094	
READ1	00002	00C152	00121	0071	
READ2	00002	00C154	00122	0074	
RESET	00002	00C150	00120	0058	
SAVE	00004	00C1C4	00117	0041	0105
SET	00002	00014C	00118	0061	0087
SET2	00002	00014E	00119	0066	
SGMT	00001	000000	00035	0109	
SI01	00004	000042	00061	0062	0064
SI02	00004	000054	00066	0067	0069
SI020	00001	000004	00101	0051	
SI03	00004	000066	00071	0072	
SI04	00004	00C072	00074	0075	
SI05	00004	00CC54	00083	0084	
TEN	00004	00C158	00124	0078	
TIM1	00002	00CCEA	00112	0054	0115
TIM2	00002	00C0EC	00113	0092	0114
YEAR	00002	000156	00123	0083	

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STMT ERROR CODE MESSAGE

IEU066 AT LEAST ONE RELOCATABLE Y-TYPE CONSTANT IN ASSEMBLY

NO STATEMENTS FLAGGED IN THIS ASSEMBLY
4 WAS HIGHEST SEVERITY CODE
STATISTICS SOURCE RECORDS (SYSIN) = 114
OPTIONS IN EFFECT LIST, NODECK, LOAD, NOPRINT, XREF, NOTEST, ALIGN, OS, NOTERM, LINECNT = 55
159 PRINTED LINES

EXTERNAL SYMBOL DICTIONARY

SYMBOL	TYPE	ID	ADDR	LENGTH	LD ID
SETHTS	SD	01	000000	0000FA	
IUCREG	ER	02			
IUCAND	ER	03			
IUCSET	ER	04			
PCFBUF	ER	05			
DOCALC	ER	06			
RCVR	ER	07			
IUCMD	ER	08			

```
LOC  OBJECT CODE    ADDR1 ADDR2  STMT   SOURCE STATEMENT                    F22NOV74  10/14/81
                                    1          PRINT OFF                                    VERIS
                                   20 ************************************************************ VERIS
                                   21 ************************************************************ VERIS
                                   22 **  ROUTINE:    SETHTR                                    ** VERIS
                                   23 **                                                        ** VERIS
                                   24 **  FUNCTION:   TO INSERT HEATER CURRENT IN COMMANDS ON THE FLY ** VERIS
                                   25 **                                                        ** VERIS
                                   26 **  CALLING SEQ: CALL SETHTR(PCFVAL,FUNUM)                ** VERIS
                                   27 **                                                        ** VERIS
                                   28 ************************************************************ VERIS
                                   29 ************************************************************ VERIS
000000                             30 SETHTR   CSECT                                           VERIS
                                   31          EXTRN  IUCREG,IUCANL,IUCSET                     VERIS
                                   32          EXTRN  PCFBUF,CDCALC                            VERIS
                                   33          EXTRN  REVB,IUCMD                               VERIS
000000                             34          USING  SETHTR,12                                VERIS
                                   35          PRLOG SAVE                                      VERIS
000000 90EC D00C          0000C    36+         STM    14,12,12(13) % PROLOG
000004 18CF                        37+         LR     12,15 %
000006 1820                        38+         LR     2,13 %
000008 4100 C090          00090    39+         LA     13,SAVE %
00000C 5020 0004          00004    40+         ST     2,4(13) %
000010 50D0 C008          00008    41+         ST     13,8(2) %
                                   42 *
                                   43 *                                                        VERIS
000014 5821 0004          00004    44          L      2,4(1)                                   VERIS
000018 7422 0000          00000    45          LS     2,0(2)   PICK UP FUNUM                  VERIS
00001C A920 0002    00000         46          CST    2,2      FCNUM*2                        VERIS
000020 47E0 C084          00084    47          BE     RETURN   NO CHANGE                      VERIS
000024 92FF 0010    00010         48          MVI    16(0),X'FF'    SET PARM OVERRIDE FLAG   VERIS
000028 8830 00FF    00000         49          LHI    3,X'00FF'    AND MASK                   VERIS
00002C 1866                       50          SR     6,6                                     VERIS
00002E 7460 C0F8          000F8    51          LS     6,AIAND                                 VERIS
000032 6636 001C          0001C    52          US     3,28(6)      INSERT AND MASK            VERIS
000036 4036 001C          0001C    53          STH    3,28(6)                                 VERIS
00003A 74F0 C0F0          000F0    54          LS     15,APCFBUF                              VERIS
00003E 742F 0042          00042    55          LS     2,66(15)     PCFBUF(34)                 VERIS
000042 4020 C0F4          000F4    56          STH    2,DATA       SAVE TEMPORARY             VERIS
000046 4110 C0E4          000E4    57          LA     1,PARMX                                 VERIS
00004A 74F0 C0F2          000F2    58          LS     15,ADDCALC                              VERIS
00004E 05EF                        59          BALR   14,15        PASS DATA THROUGH CALCULATION VERIS
000050 74F0 C0F0          000F0    60          LS     15,APCFBUF                              VERIS
000054 742F CC96          00096    61          LS     2,150(15)    PCFBUF(75)                 VERIS
000058 4020 C0F4          000F4    62          STH    2,DATA                                  VERIS
00005C 74F0 CCD8          00008    63          LS     15,ARLV8                                VERIS
000060 4110 CCDC          000DC    64          LA     1,PARMS                                 VERIS
000064 05EF                        65          BALR   14,15        ROTATE BITS              VERIS
000066 7420 C0F4          000F4    66          LS     2,DATA                                  VERIS
00006A 8820 C0FF    0C000         67          NSI    2,X'00FF'                               VERIS
00006E 8830 FF00    0C000         68          LHI    3,X'FF00'                               VERIS
000072 7460 C0F6          000F6    69          LS     6,AISET                                 VERIS
000076 6636 001C          0001C    70          OS     3,28(6)      ADD OUT SLOT VALUE         VERIS
00007A C632                        71          OSI    3,2                                     VERIS
00007C 4036 001C          0001C    72          STH    3,28(6)      INSERT NEW VALUE           VERIS
000080 96FF 0010    0C010         73          OI     16(0),X'01'  OVERRIDE ACTIVE            VERIS
```

```
LOC  OBJECT CODE   ADDR1 ADDR2  STMT  SOURCE STATEMENT                    F22HOV74  10/14/81
000084                          74 RETURN  EQU   *                                    VERISN
                                75         EPILOG SAVE                               VERISN
000084 5800 C094        0009A   77+        L     13,SAVE+4 % EPILOG
000088 98EC D00C        000C0   78+        LM    14,12,12(13) %
00008C 07FE                     79+        BR    14 %
00008E 0000
000090 0000000000000000         80 SAVE    DC    18F'0'                              VERISN
000008 0000                     81 AREVB   DC    Y(REVB)                             VERISN
00000A 0000                     82 AIUCND  DC    Y(IUCND)                            VERISN
00000C 000000F4                 83 PARMS   DC    A(DATA)                             VERISN
0000E0 000000F4                 84         DC    A(DATA)                             VERISN
0000E4 000000FC                 85 PARMX   DC    A(T3)                               VERISN
0000E8 00CC00EE                 86         DC    A(Z0)                               VERISN
0000EC 0003                     87 T3      DC    H'3'                                VERISN
0000EE 0000                     88 Z0      DC    H'0'                                VERISN
0000F0 0000                     89 APCFBUF DC    Y(PCFBUF)                           VERISN
0000F2 0000                     90 ADDCALC DC     Y(DDCALC)                          VERISN
0000F4 0000                     91 DATA    DC    H'0'                                VERISN
0000F6 0000                     92 AISET   DC    Y(IUCSET)                           VERISN
0000F8 0000                     93 AIAND   DC    Y(IUCAND)                           VERISN
                                94         END                                       VERISN
```

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PUS.ID	REL.ID	FLAGS	ADDRESS
01	01	0C	0000D0
01	01	0C	0000E0
01	01	0C	0000E4
01	01	0C	0000E8
01	03	04	0000F3
01	04	04	0000F6
01	05	04	0000F0
01	06	04	0000F2
01	07	04	0000D8
01	08	04	0000DA

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SYMBOL	LEN	VALUE	DEFN	REFERENCES
ADDCNLC	00002	0000F2	00090	0058
AIAND	00002	0000E8	00093	0061
AISET	00002	0000E6	00092	0060
ATUCMD	00002	0000EA	00032	
BPCBUF	00002	0000F0	00089	0054 0080
BREVB	00002	0000D8	00031	0063
DATA	00002	0000F4	00091	0056 0062 0066 0083 00E4
DOCALC	00001	0000CC	00032	0050
IUCAND	00001	0000C0	00031	0093
IUCMD	00001	0000C8	00033	0082
IUCREG	00001	0000C8	00031	
IUCSET	00001	0000C8	00031	0092
PAR4S	00004	0000DC	00083	0064
PAR4X	00004	0000E4	00085	0057
PCFBUF	00001	0000C8	00032	0089
RETURN	00001	0000E4	00074	0047
REVB	00001	0000C8	00033	0081
SAVE	00004	0000F8	00080	0035 0077
SETHTR	00001	0000CC	00030	0034
T3	00002	0000EC	00087	0035
T0	00002	0000EE	00088	0086

STMT ERROR CODE MESSAGE 10/14/81

IEU046 AT LEAST ONE RELOCATABLE Y-TYPE CONSTANT IN ASSEMBLY

NO STATEMENTS FLAGGED IN THIS ASSEMBLY
4 WAS HIGHEST SEVERITY CODE
STATISTICS SOURCE RECORDS (SYSIN) = 83
OPTIONS IN EFFECT LIST, NODECK, LOAD, NORENT, XREF, NOTEST, ALGN, GS, NOTERM, LINECNT = 55
133 PRINTED LINES

EXTERNAL SYMBOL DICTIONARY

SYMBOL	TYPE	ID	ADDR	LENGTH	LD ID
C22OUN	SD	01	000000	000106	
IUCAND	ER	02			
IUCSET	ER	03			
C22RST	LD		000078		01

```
LOC  OBJECT CODE    ADDR1 ADDR2  STMT   SOURCE STATEMENT                    F22H0V74  10/14/81

                                    1 ********************************************************************** VERISW
                                    2 **                                                                      VERISW
                                    3 **  C22DWN IS THE ROUTINE TO PERFORM THE HARD SHUTDOWN OF A             VERISW
                                    4 **  PARTICULAR INSTRUMENT PACKAGE                                       VERISW
                                    5 **                                                                      VERISW
                                    6 **  CALL C22DWN (SET NUMBER)                                            VERISW
                                    7 **                                                                      VERISW
                                    8 ********************************************************************** VERISW
                                    9 ********************************************************************** VERISW
000000                              10 C22DWN   CSECT                                                       VERISW
                                    11          EXTRN   IOCAND,IOCSET                                       VERISW
000000                              12          USING   C22DWN,15                                           VERISW
000000 90CA D00C          00000     13          STM     0,10,12(13)                                         VERISW
                                    14 *                                                                    VERISW
000004 8870 0010     0C000          15          LHI     7,16                                                VERISW
000008 1866                         16          SR      6,6                                                 VERISW
00000A 2044                         17          SDR     4,4                                                 VERISW
00000C 7440 FC92          00082     18          LS      4,AIOCAND                                           VERISW
000010 7450 FC84          00084     19          LS      5,AIOCSET                                           VERISW
000014 4120 F0A6          00085     20          LA      2,DMASK                                             VERISW
000018 4130 F126          00126     21          LA      3,OSETS                                             VERISW
00001C 1088                         22          SR      8,8         COMPUTE MASK&SET ADDRESS BASED ON NUMBER VERISW
00001E 5811 0C00          00000     23          L       1,0(1)                                              VERISW
000022 4081 0000          00000     24          LH      8,0(1)      NUMBER                                  VERISW
000026 8B80 0001     0C000          25          SHI     8,1                                                 VERISW
00002A 8980 0005          00005     26          SLL     9,5         *32                                     VERISW
00002E 1A28                         27          AR      2,8                                                 VERISW
000030 1A38                         28          AR      3,8                                                 VERISW
                                    29 *                                                                    VERISW
000032                              30 C22II    EQU     *                                                   VERISW
000032 7486 2000          00000     31          LS      8,0(6,2)    NEW MASK1                               VERISW
000036 7496 3000          00000     32          LS      9,0(6,3)    NEW DATA                                VERISW
00003A C498                         33          NSR     9,8         MASK DATA                               VERISW
00003C A780 FFFF     00000          34          XSI     0,X'FFFF'   COMPLEMENT MASK                        VERISW
000040 6486 5C00          00000     35          NS      8,0(6,5)    OLD MASK                                VERISW
000044 C689                         36          OSR     8,9                                                 VERISW
000046 4086 5C00          00000     37          STH     8,0(6,5)    INSERT NEW SETTING                      VERISW
                                    38 *                                                                    VERISW
00004A 7486 2C00          00000     39          LS      8,0(6,2)                                            VERISW
00004E 6686 4000          00000     40          OS      8,0(6,4)                                            VERISW
000052 4086 4000          00000     41          STH     8,0(6,4)                                            VERISW
                                    42 *                                                                    VERISW
000056 4166 0002          00002     43          LA      6,2(6)                                              VERISW
00005A 4670 FC32          00032     44          BCT     7,C22II                                             VERISW
                                    45 *                                                                    VERISW
00005E 96FF 0C1C     00010          46          OI      16(0),X'FF' OVERRIDE ACTIVE                         VERISW
000062 98CA D00C          00000     47          LM      0,10,12(13)                                         VERISW
000066 07FE                         48          BR      14                                                  VERISW

000068                              50 C22RST   EQU     *           * RESET C22 STUFF PREVIOUSLY SET        VERISW
                                    51          ENTRY   C22RST                                              VERISW
000068                              52          USING   C22RST,15                                           VERISW
000068 90C0 D00C          00000     53          STM     0,12(13)                                            VERISW
        *** ERROR ***
```

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT

```
000000 1811                        54          SR      1,1          *                    VERIS
000002 7411 [01A                   55          LS      1,AIUCAND    *                    VERIS
000004 9200 1000          00000    56          MVI     0(1),X'00'   * RESET AND AND SET REGISTERS  VERIS
000008 9231 1001 10 C 00001 00000  57          MVC     1(3,1),0(1)  *                    VERIS
00000C 5811 0000          00000    58          L       1,12(13)     *                    VERIS
000010 07FE                        59          BR      14           * RETURN             VERIS
000012 0000                        60 AIUCAND  DC      Y(IUCAND)                         VERIS
000014 0000                        61 AIUCSET  DC      Y(IUCSET)                         VERIS
```

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT F22NOV74 10/14/81

```
                        63 *          SHUTDOWN MASKS AND SETS                    VERISW
000095                  64 DMASK      DS    0H                                   VERISW
000096 0DC0             65            DC    X'0DC0'                              VERISW
000098 0DC0             66            DC    X'0DC0'                              VERISW
00009A 0000             67            DC    X'0000'                              VERISW
00009C 0000             68            DC    X'0000'                              VERISW
00009E 0000             69            DC    X'0000'                              VERISW
0000A0 0DC0             70            DC    X'0DC0'                              VERISW
0000A2 0000             71            DC    X'0000'                              VERISW
0000A4 0DC0             72            DC    X'0DC0'                              VERISW
0000A6 8000             73            DC    X'8000'                              VERISW
0000A8 0000             74            DC    X'0000'                              VERISW
0000AA 1001             75            DC    X'1001'                              VERISW
0000AC 0DFF             76            DC    X'0DFF'                              VERISW
0000AE 63FF             77            DC    X'63FF'                              VERISW
0000B0 FFFF             78            DC    X'FFFF'                              VERISW
0000B2 FFFF             79            DC    X'FFFF'                              VERISW
0000B4 0DC0             80            DC    X'0DC0'                              VERISW
                        81 *                                                     VERISW
0000B6 0DC0             82            DC    X'0DC0'                              VERISW
0000B8 0000             83            DC    X'0000'                              VERISW
0000BA 0000             84            DC    X'0000'                              VERISW
0000BC 0000             85            DC    X'0000'                              VERISW
0000BE 0DC0             86            DC    X'0DC0'                              VERISW
0000C0 0000             87            DC    X'0000'                              VERISW
0000C2 0000             88            DC    X'0000'                              VERISW
0000C4 0DC0             89            DC    X'0DC0'                              VERISW
0000C6 8000             90            DC    X'8000'                              VERISW
0000C8 0DC0             91            DC    X'0DC0'                              VERISW
0000CA 1C01             92            DC    X'1C01'                              VERISW
0000CC 0DFF             93            DC    X'0DFF'                              VERISW
0000CE 63FF             94            DC    X'63FF'                              VERISW
0000D0 FFFF             95            DC    X'FFFF'                              VERISW
0000D2 FFFF             96            DC    X'FFFF'                              VERISW
0000D4 0DC0             97            DC    X'0DC0'                              VERISW
                        98 *                                                     VERISW
0000D6 0DC0             99            DC    X'0DC0'                              VERISW
0000D8 0DC0            100            DC    X'0DC0'                              VERISW
0000DA 0DC0            101            DC    X'0DC0'                              VERISW
0000DC 0DC0            102            DC    X'0DC0'                              VERISW
0000DE 0DC0            103            DC    X'0DC0'                              VERISW
0000E0 0DC0            104            DC    X'0DC0'                              VERISW
0000E2 0000            105            DC    X'0000'                              VERISW
0000E4 0DC0            106            DC    X'0DC0'                              VERISW
0000E6 8000            107            DC    X'8000'                              VERISW
0000E8 0DC0            108            DC    X'0DC0'                              VERISW
0000EA 1C01            109            DC    X'1C01'                              VERISW
0000EC 0DFF            110            DC    X'0DFF'                              VERISW
0000EE 63FF            111            DC    X'63FF'                              VERISW
0000F0 FFFF            112            DC    X'FFFF'                              VERISW
0000F2 FFFF            113            DC    X'FFFF'                              VERISW
0000F4 0DC0            114            DC    X'0DC0'                              VERISW
                       115 *                                                     VERISW
0000F6 0DC0            116            DC    X'0DC0'                              VERISW
0000F8 0DC0            117            DC    X'0DC0'                              VERISW
```

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT P22RJV7A 10/14/81

```
000118 0000          118          DC    X'0000'                          VERISM
00011A 0000          119          DC    X'0000'                          VERISM
00011C 017F          120          DC    X'017F'                          VERISM
00011E 0000          121          DC    X'0000'                          VERISM
000120 0000          122          DC    X'0000'                          VERISM
000122 07E0          123          DC    X'07E0'                          VERISM
000124 0000          124          DC    X'0000'                          VERISM
000126 0000          125          DC    X'0000'                          VERISM
000128 0000          126          DC    X'0000'                          VERISM
00012A 0000          127          DC    X'0000'                          VERISM
00012C 0000          128          DC    X'0000'                          VERISM
00012E 0000          129          DC    X'0000'                          VERISM
000130 0000          130          DC    X'0000'                          VERISM
000132 0000          131          DC    X'0000'                          VERISM
000134               132 *                                                VERISM
000134 0000          133          DC    X'0000'                          VERISM
000136 0000          134          DC    X'0000'                          VERISM
000138 FF00          135          DC    X'FF00'                          VERISM
00013A 000A          136          DC    X'000A'                          VERISM
00013C 0000          137          DC    X'0000'                          VERISM
00013E 0000          138          DC    X'0000'                          VERISM
000140 0000          139          DC    X'0000'                          VERISM
000142 0000          140          DC    X'0000'                          VERISM
000144 0000          141          DC    X'0000'                          VERISM
000146 0000          142          DC    X'0000'                          VERISM
000148 0000          143          DC    X'0000'                          VERISM
00014A 0000          144          DC    X'0000'                          VERISM
00014C 0000          145          DC    X'0000'                          VERISM
00014E 0000          146          DC    X'0000'                          VERISM
000150 0000          147          DC    X'0000'                          VERISM
000152 0000          148          DC    X'0000'                          VERISM
```

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT F22/NOV74 10/14/81

```
000124                          150 DSETS   EQU   *                       VERISW
000126 0000                     151         DC    X'0000'                 VERISW
000128 0000                     152         DC    X'0000'                 VERISW
00012A 0000                     153         DC    X'0000'                 VERISW
00012C 0000                     154         DC    X'0000'                 VERISW
00012E 0000                     155         DC    X'0000'                 VERISW
000130 0000                     156         DC    X'0000'                 VERISW
000132 0000                     157         DC    X'0000'                 VERISW
000134 0000                     158         DC    X'0000'                 VERISW
000136 8000                     159         DC    X'8000'                 VERISW
000138 0000                     160         DC    X'0000'                 VERISW
00013A 0000                     161         DC    X'0000'                 VERISW
00013C 00FE                     162         DC    X'00FE'                 VERISW
00013E 00FE                     163         DC    X'00FE'                 VERISW
000140 FEFE                     164         DC    X'FEFE'                 VERISW
000142 FEFE                     165         DC    X'FEFE'                 VERISW
000144 0000                     166         DC    X'0000'                 VERISW
                                167 *                                       VERISW
000146 0000                     168         DC    X'0000'                 VERISW
000148 0000                     169         DC    X'0000'                 VERISW
00014A 0000                     170         DC    X'0000'                 VERISW
00014C 0000                     171         DC    X'0000'                 VERISW
00014E 0000                     172         DC    X'0000'                 VERISW
000150 0000                     173         DC    X'0000'                 VERISW
000152 0000                     174         DC    X'0000'                 VERISW
000154 0000                     175         DC    X'0000'                 VERISW
000156 8000                     176         DC    X'8000'                 VERISW
000158 0000                     177         DC    X'0000'                 VERISW
00015A 0000                     178         DC    X'0000'                 VERISW
00015C 00FE                     179         DC    X'00FE'                 VERISW
00015E 00FE                     180         DC    X'00FE'                 VERISW
000160 FEFE                     181         DC    X'FEFE'                 VERISW
000162 FEFE                     182         DC    X'FEFE'                 VERISW
000164 0000                     183         DC    X'0000'                 VERISW
                                184 *                                       VERISW
000166 0000                     185         DC    X'0000'                 VERISW
000168 0000                     186         DC    X'0000'                 VERISW
00016A 0000                     187         DC    X'0000'                 VERISW
00016C 0000                     188         DC    X'0000'                 VERISW
00016E 0000                     189         DC    X'0000'                 VERISW
000170 0000                     190         DC    X'0000'                 VERISW
000172 0000                     191         DC    X'0000'                 VERISW
000174 0000                     192         DC    X'0000'                 VERISW
000176 8000                     193         DC    X'8000'                 VERISW
000178 0000                     194         DC    X'0000'                 VERISW
00017A 0000                     195         DC    X'0000'                 VERISW
00017C 00FE                     196         DC    X'00FE'                 VERISW
00017E 00FE                     197         DC    X'00FE'                 VERISW
000180 FEFE                     198         DC    X'FEFE'                 VERISW
000182 FEFE                     199         DC    X'FEFE'                 VERISW
000184 0000                     200         DC    X'0000'                 VERISW
                                201 *                                       VERISW
000186 0000                     202         DC    X'0000'                 VERISW
000188 0000                     203         DC    X'0000'                 VERISW
00018A 0000                     204         DC    X'0000'                 VERISW
```

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT		F2240V74	10/14/81
00018C	0000			205	DC	X'0000'		VERISW
00018E	0040			206	DC	X'0040'		VERISW
000190	0000			207	DC	X'0000'		VERISW
000192	0000			209	DC	X'0000'		VERISW
000194	0060			209	DC	X'0060'		VERISW
000196	0000			210	DC	X'0000'		VERISW
000198	0000			211	DC	X'0000'		VERISW
00019A	0000			212	DC	X'0000'		VERISW
00019C	0000			213	DC	X'0000'		VERISW
00019E	0000			214	DC	X'0000'		VERISW
0001A0	0000			215	DC	X'0000'		VERISW
0001A2	0000			216	DC	X'0000'		VERISW
0001A4	0000			217	DC	X'0000'		VERISW
				218 *				VERISW
0001A6	0000			219	DC	X'0000'		VERISW
0001A8	0000			220	DC	X'0000'		VERISW
0001AA	FE00			221	DC	X'FE00'		VERISW
0001AC	000A			222	DC	X'000A'		VERISW
0001AE	0000			223	DC	X'0000'		VERISW
0001B0	0000			224	DC	X'0000'		VERISW
0001B2	0000			225	DC	X'0000'		VERISW
0001B4	0000			226	DC	X'0000'		VERISW
0001B6	0000			227	DC	X'0000'		VERISW
0001B8	0000			228	DC	X'0000'		VERISW
0001BA	0000			229	DC	X'0000'		VERISW
0001BC	0000			230	DC	X'0000'		VERISW
0001BE	0000			231	DC	X'0000'		VERISW
0001C0	0000			232	DC	X'0000'		VERISW
0001C2	0000			233	DC	X'0000'		VERISW
0001C4	0000			234	DC	X'0000'		VERISW
				235	END			VERISW

10/14/81

POS.ID	REL.ID	FLAGS	ADDRESS
01	02	04	000082
01	03	04	000084

SYMBOL	LEN	VALUE	DEFN	REFERENCES
AIUCAND	00002	000092	00060	0018 0055
AIUCSET	00002	0000E4	00061	0019
C22DWN	00001	000000	00010	0012
C22RST	00001	000158	00050	0051 0052
C2211	00001	000032	00030	0044
DMASK	00002	000086	00064	0020
DSETS	00001	000126	00150	0021
IUCAND	00001	000000	00011	0060
IUCSET	00001	000000	00011	0061

STMT ERROR CODE MESSAGE 10/14/81

IEU041 AT LEAST ONE DELETABLE Y-TYPE CONSTANT IN ASSEMBLY
53 IEU010 NEAR OPERAND COLUMN 8--INCORRECT SPECIFICATION OF REGISTER OR MASK FIELD

1 STATEMENT FLAGGED IN THIS ASSEMBLY
0 WAS HIGHEST SEVERITY CODE
STATISTICS SOURCE RECORDS (SYSIN) = 235
OPTIONS IN EFFECT LIST, NODECK, LOAD, NORENT, XREF, NOTEST, ALGN, GS, NOTERM, LINECNT = 55
276 PRINTED LINES

SYMBOL	TYPE	ID	ADDR	LENGTH	LD ID
	PC	01	000000	000000	
IUC4D	SD	02	000000	00012A	
IUCRES	LD		000044		02
IUCAND	LD		000004		02
IUCSET	LD		00008A		02

```
LOC  OBJECT CODE    ADDR1 ADDR2  STMT  SOURCE STATEMENT                    F2210V14  10/14/81
                                    1 ********************************************************** VERIFY
                                    2 ********************************************************** VERIFY
                                    3 **  ROUTINE:      IUCMD                                   ** VERIFY
                                    4 **                                                        ** VERIFY
                                    5 **  FUNCTION:     THIS SUBROUTINE WRITES TO THE IU COMMAND BOARD  ** VERIFY
                                    6 **                INPUT REGISTERS, READS THE INPUT REGISTERS, AND ** VERIFY
                                    7 **                COMPARES THE RESULTS.  IF OKAY, IT THEN WRITES TO ** VERIFY
                                    8 **                THE IU COMMAND BOARD OUTPUT REGISTERS.  IF COMPARE** VERIFY
                                    9 **                FAILS 3 TIMES IN A ROW, IUCMD CALLS IUBAD ROUTINE.** VERIFY
                                   10 **                                                        ** VERIFY
                                   11 **  CALLING SEQ:  CALL IUCMD(BUFAD)                       ** VERIFY
                                   12 **                                                        ** VERIFY
                                   13 **  NOTE:         BUFAD = ADDR OF IU COMMAND TABLE CONTAINING 16 ** VERIFY
                                   14 **                (16-BIT) DATA WORDS FOR IU COMMAND BOARDS.  ** VERIFY
                                   15 **                                                        ** VERIFY
                                   16 **                WORD(1) = IU BOARD(1) WORD(0)           ** VERIFY
                                   17 **                WORD(16)= IU BOARD(4) WORD(3)           ** VERIFY
                                   18 **                                                        ** VERIFY
                                   19 ********************************************************** VERIFY
                                   20 ********************************************************** VERIFY
000004F                            21 ADDR4F   EQU   79                                          VERIFY
000000                             22 IUCMD    CSECT                                            VERIFY
000000                             23          USING IUCMD,15                                   VERIFY
000000 90EC D00C          000CC    24          STM   14,12,12(13)                               VERIFY
000004 2B88                        25          SDR   8,8                                        VERIFY
000006 4110 F0AA          000AA    26          LA    1,IUCREG                                   VERIFY
000001                             27 LOOP1    EQU   *                                          VERIFY
00000A 1633                        28          SR    3,3             INDEX REG                  VERIFY
00000C 4150 0010          00010    29          LA    5,16            LOOP 16 TIMES              VERIFY
                                   30
000010                             31 LOOP     EQU   *                                          VERIFY
000010 4160 0002          00002    32          LA    6,2       RETRY COUNTER                    VERIFY
000014 7443 F10A          00108    33          LS    4,RDINR(3)          BUILD READ INPUT/WRITE INPUT/ VERIFY
000018 4040 FCA4          000A4    34          STH   4,RDIN              WRITE OUTPUT COMMANDS      VERIFY
00001C A640 0700          00000    35          CSI   4,X'0700'                                  VERIFY
000020 4040 FCA6          000A6    36          STH   4,WRIN                                     VERIFY
000024 A640 0004          00000    37          CSI   4,X'0004'                                  VERIFY
000028 4040 F0AB          000AB    38          STH   4,WROUT                                    VERIFY
                                   39 *                                                        VERIFY
00002C 7443 1000          00000    40          LS    4,0(3,1)            R4 = DATA WORD         VERIFY
000030                             41 LOP12    EQU   *                                          VERIFY
000030 7453 FCCA          000CA    42          LS    5,IUCARD(3)                                VERIFY
000034 1299                        43          LTR   9,9                                        VERIFY
000036 4780 FC44          00044    44          BZ    LOOPA                                      VERIFY
00003A A790 FFFF          00000    45          XSI   9,X'FFFF'         COMPLEMENT               VERIFY
00003E C449                        46          XSR   4,9                                        VERIFY
000040 6043 F0EA          000EA    47          CS    4,IUCSET(3)                                VERIFY
000044                             48 LOOPA    EQU   *                                          VERIFY
000044 4043 F0A1          000AA    49          STH   4,IUCRLS(3)                                VERIFY
000048                             50 SIO1     EQU   *                                          VERIFY
000048 4120 0010          00010    51          LA    2,16                                       VERIFY
00004C 2BE8                        52          SDR   E,8                                        VERIFY
00004E 28AA                        53          SDR   10,10             PREPARE TO ROTATE BITS   VERIFY
000050 1824                        54          LR    8,4                                        VERIFY
000052                             55 SIO8     EQU   *                                          VERIFY
```

```
 LOC  OBJECT CODE    ADDR1 ADDR2  STMT  SOURCE STATEMENT                                  F2200V76  10/14/81
000052 3C80 0001            0001    56          SRCL  8,1                                          VERIS#
000056 1888                         57          LR    11,8                                         VERIS#
000058 9010 0001            0001    58          SLDL  10,1                                         VERIS#
00005C 4620 F052            0052    59          BCT   2,SIO8                                       VERIS#
000060                              60 SIO11    EQU   *                                            VERIS#
000060 A580 F0A4            00A4    61          SIC   0,0,RDIN                                     VERIS#
000064 4770 F060            0060    62          BNZ   *-4                                          VERIS#
000068 184A                         63          LR    4,10      COMMAND REGISTER MIRROR IMAGE      VERIS#
00006A A540 F0A6            00A6    64          SIC   4,0,WRIN    WRITE TO INPUT REGISTER          VERIS#
00006E 4770 F06A            006A    65          BNZ   *-4                                          VERIS#

000072                              67 SIO12    EQU   *                                            VERIS#
000072 1C98                         68          SR    8,8                                          VERIS#
000074 A5C8 F0A4            00A4    69 SIO2     SIO   0,8,RDIN   READ INPUT REGISTER TO VERIFY CONTENTS  VERIS#
000078 4770 F074            0074    70          BNZ   SIO2                                         VERIS#
00007C C98A                         71          CLSF  8,10      IS REGISTER THE CORRECT VALUE      VERIS#
000080 4780 F08E            008E    72          BE    SIO3                                         VERIS#
000084 466C F072            0072    73          BCT   6,SIO12                                      VERIS#
000088 9640 0C4F      004F          74          OI    ACCR4F,X'0040'                               VERIS#
00008C 47F0 F096            0096    75          B     SIO4                                         VERIS#
000090 A5C0 F0A8            00A8    76 SIO3     SIC   0,0,WRCUT    WRITE TO OUTPUT REGISTER       VERIS#
000094 4770 F09E            009E    77          BNZ   SIO3                                         VERIS#
000098                              78 SIO4     EQU   *                                            VERIS#
000098 813C 3002            0002    79          LA    3,2(,3)                                      VERIS#
00009C 4650 F010            0010    80          BCT   5,LOOP                                       VERIS#

0000A0                              82 RTN      EQU   *                                            VERIS#
                                    83 *                                                           VERIS#
0000A0                              84 RTN11    EQU   *                                            VERIS#
0000A0 98EC D00C            000C    85          LM    14,12,12(13)                                 VERIS#
0000A4 07FE                         86          BR    14                                           VERIS#
0000A6 00C0                         87 RDIN     DC    H'0'                                         VERIS#
0000A8 00C0                         88 WRIN     DC    H'0'                                         VERIS#
0000AA 00C0                         89 WROUT    DC    H'0'                                         VERIS#
0000AC 00C0C0C0C0C0C0C0             90 IUCREG   DC    16H'0'    COMMAND REGISTERS                  VERIS#
                                    91          ENTRY IUCREG                                       VERIS#
0000CC C0C0C0C0C0C0C0C0             92 IUCAND   DC    16H'0'    FLY AND PATTERN                    VERIS#
                                    93          ENTRY IUCAND                                       VERIS#
0000EC C0C0C0C0C0C0C0C0             94 IUCSET   DC    16H'0'    FLY DATA                           VERIS#
                                    95          ENTRY IUCSET                                       VERIS#
00010C 0880                         96 RDINP    DC    X'0880'                                      VERIS#
00010E 0881                         97          DC    X'0881'                                      VERIS#
000110 0882                         98          DC    X'0882'                                      VERIS#
000112 0883                         99          DC    X'0883'                                      VERIS#
000114 1080                        100          DC    X'1080'                                      VERIS#
000116 1081                        101          DC    X'1081'                                      VERIS#
000118 1082                        102          DC    X'1082'                                      VERIS#
00011A 1083                        103          DC    X'1083'                                      VERIS#
00011C 1880                        104          DC    X'1880'                                      VERIS#
00011E 1881                        105          DC    X'1881'                                      VERIS#
000120 1882                        106          DC    X'1882'                                      VERIS#
000122 1883                        107          DC    X'1883'                                      VERIS#
000124 2080                        108          DC    X'2080'                                      VERIS#
000126 2081                        109          DC    X'2081'                                      VERIS#
000128 2082                        110          DC    X'2082'                                      VERIS#
```

```
LOC  OBJECT CODE    ADDR1 ADDR2  STMT  SOURCE STATEMENT                    F22NOV74 10/14/81
000128 20E3                       111        DC    A*2083*                          VERIS=
000000                            112        END   TCCMD                            VERIS=
```

10/14/81

SYMBOL	LEN	VALUE	DEFN	REFERENCES		
ADDR4F	00001	000004F	00021	0074		
IUCAND	00002	0000CA	00092	0042	0093	
IUCHD	00001	000006	00022	0023	0112	
IUCREG	00002	0000AA	00090	0026	0043	0091
IUCSET	00002	0000BA	00094	0047	0095	
LOOP	00001	000010	00031	0040		
LOOPA	00001	000044	00040	0044		
LOOP1	00001	00000A	00027			
LOP12	00001	000030	00041			
RDIN	00002	000CA4	00097	0034	0061	0069
RDING	00002	000CA	00096	0033		
RTN	00001	000C9F	00082			
RTN11	00001	000C9E	00084			
SIO1	00001	000048	00050			
SIO11	00001	000C6C	00059			
SIO12	00001	000C72	00057	0073		
SIO2	00004	000C74	00069	0070		
SIO3	00004	000C8E	00076	0072	0077	
SIO4	00001	000C96	00078	0075		
SIO9	00001	000C92	00055	0059		
WRIN	00002	000CA6	00088	0036	0064	
WROUT	00002	000CA8	00083	0038	0076	

NO STATEMENTS FLAGGED IN THIS ASSEMBLY
STATISTICS SOURCE RECORDS (SYSIN) = 112
OPTIONS IN EFFECT LIST, NODECK, LOAD, NORENT, XREF, ACTEST, ALGN, OS, NOTERM, LINECNT = 59
151 PRINTED LINES

EXTERNAL SYMBOL DICTIONARY

SYMBOL	TYPE	ID	ADDR	LENGTH	LD ID
SP[illegible]	SD	01	C09C00	000046	

```
LOC  OBJECT CODE    ADDR1 ADDR2  STMT   SOURCE STATEMENT                    F22NOV74  10/14/81

                                    1 ********************************************************************** VERISW
                                    2 **                                                                     VERISW
                                    3 ** SPM ROUTINE OUTPUTS THE SPECIFIED DATA TO THE SPM.                  VERISW
                                    4 **                                                                     VERISW
                                    5 **     CALL SPM (BUFFER-ADDRESS,LENGTH,SPM-ADDRESS)                    VERISW
                                    6 **                                                                     VERISW
                                    7 **          SPM-ADDRESS IS THE ADDRESS OF A BYTE FIELD CONTAINING      VERISW
                                    8 **          THE SPM WORD ADDRESSES ROTATED.                            VERISW
                                    9 **                                                                     VERISW
                                   10 ********************************************************************** VERISW
000000                              11 SPM      CSECT                                                        VERISW
000000                              12          CSTRG  SPM,15                                                VERISW
000000 90EC D00C          00000C    13          STM    14,12,12(13)                                          VERISW
                                   14 *                                                                      VERISW
000004 9824 100C          00000     15          LM     2,4,0(1)    ADDRESS OF PARMS                          VERISW
000008 4853 0000          00000     16          LH     5,0(3)      PICK UP ENTRY                             VERISW
                                   17 *          PREPARE IC OUTPUT                                          VERISW
00000C                             18 SPM11    EQU    *                                                     VERISW
00000C 2B66                        19          SDR    6,6                                                   VERISW
00000E 4364 0000          00000    20          IC     6,0(4)      SPM ADDRESS                               VERISW
000012 8C00 0008          00008    21          SRDL   6,8                                                   VERISW
000016 8A70 0018          00018    22          SRA    7,24        BUILD THE SPM TRUE ADDRESS                VERISW
00001A A470 807F    00000         23          NSI    7,X'807F'                                             VERISW
00001E A670 2F80    00000         24          OSI    7,X'2F80'                                             VERISW
000022 4070 F044          00044    25          STH    7,CMX                                                 VERISW
                                   26 *                                                                      VERISW
000026 4883 0000          00000    27          LH     8,0(2)      PICK UP DATA                              VERISW
00002A A580 F044          00044    28          STC    8,0,CMX                                               VERISW
00002E 4770 102A          0002A    29          BNZ    *-4                                                   VERISW
                                   30 *                                                                      VERISW
000032 4144 0001          00001    31          LA     4,1(4)      ADVANCE SPM ADDRESS POINTER               VERISW
000036 4122 0002          00002    32          LA     2,2(2)      ADVANCE DATA POINTER                      VERISW
                                   33 *                                                                      VERISW
00003A 4650 100C          00000    34          BCT    5,SPM11                                               VERISW
                                   35 *                                                                      VERISW
00003E 98EC D00C          00000C   36          LM     14,12,12(13)                                          VERISW
000042 07FE                        37          BR     14                                                    VERISW
000044 0000                        38 CMX      DC     H'0'                                                  VERISW
                                   39          END                                                          VERISW
```

CROSS-REFERENCE PAGE 4

10/1+/81

SYMBOL	LEN	VALUE	DEFN	REFERENCES
CNT	00002	000044	0033	0025 0028
STR	00001	000000	0011	0017
STR11	00001	000000	0018	0034

NO STATEMENTS FLAGGED IN THIS ASSEMBLY
STATISTICS SOURCE RECORDS = 39
OPTIONS IN EFFECT LIST, NOOBJ, LOAD, NORENT, XREF, NOTEST, ALIGN, GS, NOTERM, LINECNT = 55
54 PRINTED LINES

SYMBOL	TYPE	ID	ADDR	LENGTH	LD ID
	PC	01	C00CC0	000000	
ECSMD	SD	02	C00C00	000104	
PCFBUF	ER	02			
FDFLG	ER	04			
PASSX	ER	05			
RTDRV	ER	06			
DFPCOM	ER	07			
TECSMD	ER	08			
OUTCOM	ER	09			

```
LOC  OBJECT CODE    ADDR1 ADDR2  STMT   SOURCE STATEMENT                                  I 22/OV/4  10/14/31
                                    1          PRINT OFF                                                VERISK
                                   20 ************************************************************      VERISK
                                   21 ******                                              *****      VERISK
                                   22 ******  ECSMC PERFORMS THE SMC OPERATIONS            *****      VERISK
                                   23 ******                                              *****      VERISK
                                   24 ******  PCFT(14)  0 = 1KHZ                          *****      VERISK
                                   25 ******           1 = 5KHZ                          *****      VERISK
                                   26 ******                                              *****      VERISK
                                   27 ************************************************************      VERISK
000078                             28 ADDR78   EQU     120                                            VERISK
000058                             29 ADDR58   EQU     88                                             VERISK
000038                             30 ADDR38   EQU     56                                             VERISK
000018                             31 ADDR18   EQU     24                                             VERISK
00005C                             32 ADDR5C   EQU     92                                             VERISK
000000                             33 ECSMO    CSECT                                                  VERISK
000000                             34          USING ECSMO,12                                         VERISK
                                   35          EXTRN PCFBUF,FOFLG,PASSX,RTDRV,DEPCUM,TECSMO           VERISK
                                   36          EXTRN CUTCOM                                           VERISK
                                   37          PROLOG SAVE                                            VERISK
000000 90EC D00C          00000C   38+         STM   14,12,12(13) * PROLOG
000004 18CF                        39+         LR    12,15 *
000006 1820                        40+         LR    2,13 *
000008 4100 C150          00150    41+         LA    13,SAVE *
00000C 5020 D004          00004    42+         ST    2,4(13) *
000010 5002 D008          00008    43+         ST    13,8(2) *

                                   45 *                                                               VERISK
000014 2B22                        46          SDR   2,2       *                                      VERISK
000016 2B66                        47          SDR   6,6       *                                      VERISK
000018 7460 C18A          001BA    48          LS    6,ADEPCUM *                                      VERISK
00001C 7470 C184          00184    49          LS    7,AFCFLG  *                                      VERISK
000020 4846 CCD2          00002    50          LH    3,2(6)    * TSMO?                                VERISK
000024 1233                        51          LTR   3,3       *                                      VERISK
000026 4740 CC46          00046    52          BP    ECS01     * WAIT ON STFLG                        VERISK
00002A 4720 CCBA          0003A    53          BP    CUT       * EXIT                                 VERISK
00002E 9830 CCD6    00000 00000    54          LMI   3,6                 FOSEL=6                      VERISK
000032 4037 C000          00000    55          STH   3,0(7)                                           VERISK
000036 74F0 C1BE          001B6    56          LS    15,APASSX                                        VERISK
00003A 05EF                        57          BALR  14,15                                            VERISK
00003C 74F0 C1B8          001B8    58          LS    15,ARTDRV                                        VERISK
000040 4110 C1C0          001C0    59          LA    1,AZLRG                                          VERISK
000044 05EF                        60          BALR  14,15                                            VERISK
000046                             61 ECS01    EQU   *                                                VERISK
000046 5237 CCD4          00004    62          LTS   3,4(7)            LOOK AT STFLG                  VERISK
00004A 4770 CC64          00064    63          BNZ   ECS02                                            VERISK
00004E 1B33                        64          SR    3,3                                              VERISK
000050 7430 C19E          0019E    65          LS    3,ACUTCOM                                        VERISK
000054 5233 0000          00000    66          LTS   3,0(3)            * CUTT                         VERISK
000058 4770 CC64          00064    67          BNZ   ECS02                                            VERISK
00005C 5233 CCCE          00ICE    68          LTS   3,14(3)           * USE FLAGS                    VERISK
000060 47E0 CC78          00078    69          BZ    ECS04                                            VERISK
000064                             70 ECS02    EQU   *                                                VERISK
000064 9810 FFFF    00000          71          LMI   1,X'FFFF' *                                      VERISK
000068 4016 0002          00002    72          STH   1,2(6)    * TSMO=-1                              VERISK
00006C 4830 C18C          0018C    73          LH    3,ATECSMO *                                      VERISK
```

LSI WC

BZ ECS01

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```
000070 92EF 3000        00000          74          MVI   0(3),X'FF' $ SCHEDULE LOSNO                    VERISW
000074 4770 C00A                00DDA  75          B     OUT                                             VERISW
000078                                 76 ECS04    EQU   *                                               VERISW
000078 9810 0001        00000          77          CHI   1,1         $                                   VERISW
00007C 4016 C002                00002  78          STH   1,2(6)      $ LSNO=1                          VERISW
000080 1811                            79          SR    1,1                                             VERISW
000082 7410 C1B2                001B2  80          LE    1,APCFBUF       ADDRESS OF PCFBUF               VERISW
000086 4821 001A                001A   81          LH    2,26(1)         PCF(14)                         VERISW
00008A 8920 0006        00000          82          CHI   2,6             1KHZ?                           VERISW
00008E 4780 C09A                0009A  83          BE    ECS50                                           VERISW
000092 9920 0007        00000          84          CHI   2,7             5KHZ?                           VERISW
000096 4770 C00A                00DDA  85          BNE   OUT                                             VERISW
00009A                                 86 ECS50    EQU   *                                               VERISW
00009A 1833                            87          SR    3,3                                             VERISW
00009C 4037 0004                00004  88          STH   3,4(7)          STFLG .NOT. 0                   VERISW
                                       89 *                                                              VERISW
0000A0 D2C3 C1A6 C1AA 00CA6 001AA      90          MVC   LOOPCT(4),LOOP1                                 VERISW
0000A6 8920 0007        00000          91          CHI   2,7             PERFORM EITHER 1KHZ OR 5KHZ     VERISW
0000AA 4770 C0B4                00094  92          BNE   ECS130                                          VERISW
0000AE D203 C1A6 C1AE 00CA6 001AE      93 ECS139   MVC   LOOPCT(4),LOOP5                                 VERISW
0000B4                                 94 ECS130   EQU   *                                               VERISW
0000B4 41F0 C0C4                00DC4  95          LA    15,EBAMOD                                       VERISW
0000B8 05EF                            96          BALR  14,15                                           VERISW
0000BA                                 97 OUT      EQU   *                                               VERISW
                                       98          EPILOG SAVE                                           VERISW

0000BA 58D0 C154                00154  100+        L     13,SAVE+4 %  EPILOG
0000BE 98EC D00C                00D0C  101+        LM    14,12,12(13) %
0000C2 07FE                            102+        BR    14 %
                                       103 *                                                             VERISW
0000C4                                 104 EBAMOD  EQU   *                                               VERISW
0000C4                                 105         USING EBAMOD,15                                       VERISW
0000C4 90EC D00C                00D0C  106         STM   14,12,12(13)                                    VERISW
0000C8 41C0 0000                00000  107         LA    12,0                                            VERISW
0000CC A511 FCD4                00198  108         SIO   1,1,WDRMF1                                      VERISW
0000D0 4770 FCD8                00DCC  109         BNZ   *-4                                             VERISW
0000D4 9060 FCDE        001A2          110         SSM   DISABLE                                         VERISW
0000D8 1855                            111         SR    5,5                                             VERISW
0000DA 1866                            112         SR    6,6                                             VERISW
0000DC 7450 FCE2                001A6  113         LE    5,ITIMRCT                                       VERISW
0000E0                                 114 EBA10   EQU   *                                               VERISW
0000E0 A529 FCD6                001A8  115         SIO   2,3,RB3RO                                       VERISW
0000E4 4770 FC1C                00DE0  116         BNZ   *-4                                             VERISW
0000E8 9830 FBFF        00000          117         NSI   3,X'FBFF'                                       VERISW
0000EC 9630 0400        00000          118         OSI   3,X'0400'                                       VERISW
0000F0 A532 FCD8                001DC  119         SIO   3,2,WB3RO                                       VERISW
0000F4 4770 FC2C                00DF0  120         BNZ   *-4                                             VERISW
0000F8 A532 FCDC                001A0  121         SIO   3,2,WB3RO                                       VERISW
0000FC 4770 FC34                00DF8  122         BNZ   *-4                                             VERISW
000100 7460 FCE4                001AE  123         LE    6,CRT                                           VERISW
000104                                 124 EBA20   EQU   *                                               VERISW
000104 A970 0001        00000          125         TSI   7,1             DUMMY FOR DELAY                 VERISW
000108 4660 FC40                00C04  126         BCT   6,EBA20                                         VERISW
00010C A523 FCD7                001A9  127 ERA40   SIO   2,3,RB3WO                                       VERISW
000110 4770 FC48                00E0C  128         BNZ   *-4                                             VERISW
```

CHI 2,3
BNE EBA10
SIO 2,3,RB3WO
BNZ *-4
NSI 3,X'FBFF'
OSI 3,X'0400'
SIO 3,2,WB3RO
BNZ *-4
SIO 3,2,WB3WO
BNZ *-4
TM 2,ZERO
TM 0,0
CLSI 1,X'22A8'
BNE *-4
B ERA40

BE ECS50
CHI 2,3
BNE OUT

BE ECS139
CHI 2,3
BNE ECS130
MVC LOOPCT(4),LOOPSEC
B ECS130

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```
 LOC  OBJECT CODE   ADDR1 ADDR2  STMT   SOURCE STATEMENT                    F22NOV76  10/14/81

000114 B430 FBFF   00000         129          NSI   3,X'FBFF'                          VERISW
000118 A532 F008         0013C   130          STO   3,2,WB3WO                          VERISW
00011C 4770 FC54         00118   131          BNZ   *-4                                VERISW
000120 A532 F00C         001A0   132          STO   3,2,WOB3WO                         VERISW
000124 4770 FC5C         00120   133          BNZ   *-4                                VERISW
000128 7460 F0L4         001A8   134          LS    6,CNT                              VERISW
00012C                           135 EBA3O    EQU   *                                  VERISW
00012C A470 0001   00000       136          LSI   7,1                                VERISW
000130 4660 FC68         00126   137          BLT   6,EBA3O                            VERISW
000134 4650 FC1C         001E0   138          BCT   5,EBA1O                            VERISW
000138 4110 0002         00003   139          LA    1,3                                VERISW
00013C A511 F004         0019R   140          STO   1,1,WDFMFT                         VERISW
000140 4770 FC78         00130   141          BNZ   *-4                                VERISW
000144 9000 F0L6   001A4         142          SSM   ENABLE                             VERISW
000148 98EC DC0C         000CC   143          LM    14,12,12(13)                       VERISW
00014C 07FE                      144          BR    14                                 VERISW
                                 145 *                                                 VERISW
00014E 0000
000150 00C0000000000000          146 SAVE     DC    18F'0'                             VERISW
000190 BFF1                      147 WDFMFT   DC    X'BFF1'                            VERISW
00019A 1890                      148 RB3WO    DC    X'1880'                            VERISW
00019C 1F80                      149 WB3WO    DC    X'1F80'                            VERISW
00019E 0000                      150 AOUTCOM  DC    Y(OUTCOM)                          VERISW
0001A0 1FE4                      151 WOB3WO   DC    X'1FB4'                            VERISW
0001A2 0004                      152 DISABLE  DC    X'0004'                            VERISW
0001A4 8004                      153 ENABLE   DC    X'8004'                            VERISW
0001A6 0000                      154 LOOPCT   DC    H'0'                               VERISW
0001A8 00C0                      155 CNT      DC    H'0'                               VERISW
0001AA 13E8                      156 LCOPI    DC    H'5000'                            VERISW
0001AC 0044                      157 CNTI     DC    H'68'                              VERISW
0001AE 61A9                      158 LOOP5    DC    H'25000'                           VERISW
0001B0 0003                      159 CNT5     DC    H'3'                               VERISW
0001B2 0000                      160 APCFBUF  DC    Y(PCFBUF)                          VERISW
0001B4 00C0                      161 AFOFLG   DC    Y(FOFLG)                           VERISW
0001B6 0000                      162 APASSX   DC    Y(PASSX)                           VERISW
0001B8 00C0                      163 ARTORV   DC    Y(RTORV)                           VERISW
0001BA 0000                      164 ADEPCOM  DC    Y(DEPCOM)                          VERISW
0001BC 00C0                      165 ATECSMO  DC    Y(TECSMO)                          VERISW
0001BE 0000
0001C0 00C0018C                  166 AZERO    DC    A(CRT5)                            VERISW
                                 167          END                                    VERISW
```

LOOPSEC EL X'00010001'

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POS.ID	REL.ID	FLAGS	ADDRESS
02	02	0C	0001C0
02	03	04	0001B2
02	04	04	0001B4
02	05	04	0001B6
02	06	04	0001B8
02	07	04	0001BA
02	08	04	0001BC
02	09	04	0001BE

SYMBOL	LEN	VALUE	DEFN	REFERENCES		
ADDR18	00001	00C016	0C031			
ADDR38	00001	00CC38	0C030			
ADDR5C	00001	00CC5C	0C032			
ADDR59	00001	00CC59	0C029			
ADDR78	00001	00CC78	0C028			
ADDRCOM	00002	00C18A	0C164	0048		
AFOFLG	00002	00C184	0C161	0049		
AOUTCOM	00002	00015L	00150	0065		
APASSX	00002	00C1B6	0C162	0056		
APCFBUF	00002	00C1C2	0C160	0060		
ARTORV	00002	00C1B3	00163	0058		
ATCCSMD	00002	00C19C	0C165	0073		
AZERO	00004	00C1C0	0C166	0059		
CNT	00002	00C1A8	00155	0123	0134	
CNT1	00002	00C1AC	00157			
CNT5	00002	00C1B0	00159	0166		
DEPCOM	00001	C0C000	0C035	0164		
DISABLE	00002	00C1A2	0C152	0110		
EBSMOD	00001	00CCC4	0C104	0095	0105	
EBA1D	00001	0C00E0	00114	0138		
EBA2D	00001	00C1C4	0C124	0126		
ECA3D	00001	00C12C	00135	0137		
ECSMD	00001	000000	0C033	0034		
ECS01	00001	00CC46	0C061	0052		
ECS02	00001	00C0E4	00070	0063	0067	
ECS04	00001	00CC78	0C076	0069		
ECS13D	00001	000004	00094	0092		
ECS5D	00001	00CC5A	00086	0093		
ENABLE	00002	00C1A4	00153	0142		
FOFLG	00001	000000	0C035	0161		
LOOPCT	00002	00C1AE	0C154	0090	0093	0113
LOOP1	00002	00C1AA	0C156	0090		
LOOP5	00002	00C1AE	00158	0093		
OUT	00001	000008	0C097	0053	0075	0085
OUTCOM	00001	C0C00C	0C036	0150		
PASSX	00001	00C000	0C035	0162		
PCFBUF	00001	000000	00035	0160		
RB3MD	00002	00C15A	0C148	0115	0127	
RTORV	00001	0CCCC0	0C035	0163		
SAVE	00004	00C150	0C146	0041	0100	
TECSMD	00001	00CC00	0C035	0165		
WB3MD	00002	C0C15C	0C149	0115	0130	
WDP4FL	00002	00C198	0C147	0103	0140	
WQB3MD	00002	00C1A0	00151	0121	0132	

10/14/81

STMT. ERROR CODE MESSAGE

IEU046 AT LEAST ONE RELOCATABLE Y-TYPE CONSTANT IN ASSEMBLY

NO STATEMENTS FLAGGED IN THIS ASSEMBLY
4 WAS HIGHEST SEVERITY CODE
STATISTICS SOURCE RECORDS (SYSIN) = 156
OPTIONS IN EFFECT LIST, NODECK, LOAD, NORENT, XREF, NOTEST, ALGN, OS, NOTERM, LINECNT = 55
231 PRINTED LINES

SYMBOL	TYPE	ID	ADDR	LENGTH	LD ID
	PC	01	(ESD01)	000010	
ADDIRE	SD	02	000000	000046	
RSFEDI	ER	03			
DESCOM	ER	04			
ACTION	LD		000020		02

```
 LOC  OBJECT CODE    ADDR1 ADDR2  STMT   SOURCE STATEMENT                    F22NOV74  10/14/31
                                     1 ********************************************************** VERISW
                                     2 ********************************************************** VERISW
                                     3 **  ROUTINE:      AEPINC                                  ** VERISW
                                     4 **                                                        ** VERISW
                                     5 **  FUNCTION:     THIS SUBROUTINE NOTIFIES AEPI AND LSCIS THAT ** VERISW
                                     6 **                SIPAC IS NOT READY (HANDSHAKING).       ** VERISW
                                     7 **                                                        ** VERISW
                                     8 **  NOTE:         SET BOARD #9, WORD X'60', BITS 0&7 = 0  ** VERISW
                                     9 **                                                        ** VERISW
                                    10 ********************************************************** VERISW
                                    11 ********************************************************** VERISW
000058                              12 ADDR58   EQU   88                                          VERISW
000078                              13 ADDR78   EQU   120                                         VERISW
000038                              14 ADDR38   EQU   56                                          VERISW
00005E                              15 ADDR5E   EQU   94                                          VERISW
000018                              16 ADDR18   EQU   24                                          VERISW
000018                              17 ADDR18   EQU   24                                          VERISW
000000                              18 AEPIDF   CSECT                                             VERISW
                                    19         EXTRN PCFCOM,DEFCOM                              VERISW
000000                              20         USING AEPIDF,15                                  VERISW
000000 90EC D00C          0000C     21         STM   14,12,12(13)                               VERISW
                                    22 *                                                        VERISW
000004 2B22                         23         SDR   2,2          $ READ PIB STATUS WORD        VERISW
000006 A523 FCC0          00060     24         SIO   2,3,RST      $                            VERISW
00000A 4770 FC06          00006     25         BNZ   *-4          $                            VERISW
                                    26 *                                                        VERISW
00000E 9430 FF3F    0C000           27         NSI   3,X'FF3F'    $ TURN OFF AEPI BITS         VERISW
                                    28 *                                                        VERISW
000012 A532 FC62          00062     29         SIO   3,2,WST      $ SEND STATUS WORD TO PIB    VERISW
000016 4770 FC12          00012     30         BNZ   *-4          $                            VERISW
00001A 98EC D00C          0000C     31         LM    14,12,12(13)                               VERISW
00001E 07FE                         32         BR    14                                         VERISW
```

LHI 4,LUCKEY
NC BC(4),X'F7'
BR 14

```
 LOC  OBJECT CODE    ADDR1 ADDR2  STMT   SOURCE STATEMENT                    F22NOV74  10/14/81
000020                              34 AEPION  EQU   *                                        VERISW
                                    35         ENTRY AEPICN                                   VERISW
000020                              36         USING AEPICN,15                                VERISW
000020 90EC D00C              0000C 37         STM   14,12,12(13)                             VERISW

000024                              39 AEPIO   EQU   *                                        VERISW
000024 1822                         40         LR    2,2          * TEST FOR AEPI ACTIVE PCF(30) VERISW
000026 7420 FC3C              0005C 41         LS    2,APCFCCM    *                           VERISW
000024 4822 0C3A              0003A 42         LH    2,58(2)      * PCFBFR(30)                VERISW
00002E 1222                         43         LTR   2,2          *                           VERISW
000030 4780 FC36              00056 44         BZ    AEPICN7      * AEPI NOT ENABLED          VERISW
000034 B820 8010              00000 45         LMH   2,X'8010'    * SEND COMMAND WORD TO PIB  VERISW
000038 A522 FC3C              0005E 46         SIC   2,3,*PIC     *                           VERISW
00003C 4770 FC18              00038 47         BNZ   *-4          *                           VERISW
                                    48 *                                                      VERISW
000040 2822                         49         SCR   2,2          * READ PIB STATUS           VERISW
000042 A523 FC4C              00060 50         SIC   2,3,*ST      *                           VERISW
000046 4770 FC22              00042 51         BNZ   *-4          *                           VERISW
                                    52 *                                                      VERISW
00004A A63C 8000              00000 53         OST   3,X'8000'    * SET AEPI BIT ON           VERISW
                                    54 *                                                      VERISW
00004E A522 FC42              00062 55         SIC   2,2,*ST      * WRITE CONTROL TO PIB      VERISW
000052 4770 FC2E              0004E 56         BNZ   *-4          *                           VERISW
                                    57 *                                                      VERISW
000056                              58 AEPICN7 EQU   *                                        VERISW
000056 58EC D00C              0000C 59         L     14,12,12(13)                             VERISW
00005A 07FE                         60         BR    14                                       VERISW

00005C 0000                         62 APCFCCM DC    Y(PCFCCP)                                VERISW
00005E                              63         DS    0H                                       VERISW
00005E 4F80                         64 *PIC    DC    X'4F80'      SET P.I.B                   VERISW
000060 C880                         65 *ST     DC    X'C880'      READ STATUS                 VERISW
000062 CFE0                         66 *ST     DC    X'CFE0'      WRITE STATUS                VERISW
000064 4BC0                         67 RSTG    DC    X'4BC0'      RESET AEPI SIGNAL           VERISW
                                    68         END                                            VERISW
```

LHI 4,SWAREA
OI RC4),X'8'

10/14/81

POS.ID	REL.ID	FLAGS	ADDRESS
02	03	04	00005C

10/14/81

SYMBOL	LEN	VALUE	DEFN	REFERENCES		
ADDR1B	0001	0000B0	0016			
ADDR1B	0001	0000B8	0017			
ADDR3B	0001	0000B8	0014			
ADDR5E	0001	0000BC	0015			
ADDR59	0001	0000BE	0012			
ADDR7B	0001	0000B0	0013			
AEPIOF	0001	0000D0	0018	0020		
AEPION	0001	0000E0	0034	0035	0036	
AEPION7	0001	0000E6	0058	0044		
AEPIO	0001	0000E4	0039			
APCFCOM	0002	0000EC	0002	0041		
DEPCOM	0001	0000D0	0019			
PCFCOM	0001	0000D0	0019	0042		
RSIG	0002	0000B4	0067			
RST	0002	0000D0	0065	0024	0050	
RPIC	0002	0000EL	0064	0043		
WST	0002	0000E2	0066	0029	0055	

STMT ERROR CODE MESSAGE 10/14/81

IEUC46 AT LEAST ONE RELOCATABLE V-TYPE CONSTANT IN ASSEMBLY

NO STATEMENTS FLAGGED IN THIS ASSEMBLY
4 WAS HIGHEST SEVERITY CODE
STATISTICS SOURCE RECORDS (SYSIN) = 68
OPTIONS IN EFFECT LIST, NODECK, LOAD, NORENT, XREF, NOTEST, ALGN, DS, NOTERM, LINECNT = 55
108 PRINTED LINES

EXTERNAL SYMBOL DICTIONARY

SYMBOL	TYPE	ID	ADDR	LENGTH	LD ID
	PC	01	C0CC00	000000	
MANUAL	SD	02	C00000	00016C	
SCX	ER	03			
TLBUF	ER	04			
FOFLG	ER	05			
MSGCOM	ER	06			
PASSX	ER	07			
PASSO	ER	08			
FOCSCT	ER	09			
FOCOM	ER	0A			
MSOUTL	ER	0B			
PUT	ER	0C			
XMAN	ER	0D			
RTCMD	ER	0E			
IUCREG	ER	0F			
OUTCOM	ER	10			
ECMAN	LD		C00C56		02

```
 LOC  OBJECT CODE    ADDR1 ADDR2  STMT   SOURCE STATEMENT                                  F22NOV74  10/14/81
                                     1          PRINT OFF                                                  VERISW
                                    20 ********************************************************************* VERISW
                                    21 ** MANUAL IS ACTIVATED IN RESPONSE TO A EXPERIMENT COMPUTER         VERISW
                                    22 ** BLOCK ID OF CXXX.  MANUAL WILL BUILD A MANUAL FOTOR NEXTAB       VERISW
                                    23 ** COMMAND BUFFER AND WILL ISSUES THE COMMANDS WHEN REQUESTED.      VERISW
                                    24 **                                                                  VERISW
                                    25 **     BLOCK:   CXXX                                                VERISW
                                    26 **              SSSS    STATUS WORDS                               VERISW
                                    27 **              SSSS                                               VERISW
                                    28 **              PPPP    PCF UPDATE INFORMATION                     VERISW
                                    29 **              AOVV    A=8 FOR BUILD NEXTAB VV                    VERISW
                                    30 **                      A=0 FOR BUILD FOTAB VV                     VERISW
                                    31 **                      A=F FOR EXECUTE                            VERISW
                                    32 **                      A=2 MANUAL DRIVER                          VERISW
                                    33 **              TTTT    BUILD SIZE DECREMENTED AT EACH OUTPUT      VERISW
                                    34 **              BBBB    COMMAND REGISTERS                          VERISW
                                    35 **                                                                 VERISW
                                    36 **                                                                 VERISW
                                    37 ********************************************************************* VERISW
 00005E                             38 ADDR2E  EQU     94                                                 VERISW
 000018                             39 ADDR1B  EQU     24                                                 VERISW
 000000                             40 MANUAL  CSECT                                                      VERISW
 000000                             41         USING   MANUAL,12                                          VERISW
                                    42         EXTRN   SCXTLBUF,FCFLG,MSGCOM,PASSX,PASSO                  VERISW
                                    43         EXTRN   FOCSCT,FOCOM,MSOUTL,PUT,XMAN                       VERISW
                                    44         EXTRN   RICMD,IOCREG,CUTCOM,PUT                            VERISW
      *** ERROR ***
                                    45         PROLOG SAVE                                                VERISW
 000000 90EC D00C          00000C   46+        STM     14,12,12(13) % PROLOG
 000004 18CF                        47+        LR      12,15 %
 000006 182D                        48+        LR      2,13 %
 000008 4100 C10C          00010C   49+        LA      13,SAVE %
 00000C 5020 D004          000004   50+        ST      2,4(13) %
 000010 5002 0008          000008   51+        ST      13,8(2) %
                                    53 *                                                                  VERISW
 000014 5860 C162          00162    54         L       6,AFUFLG                                           VERISW
      *** ERROR ***
 000018 2B44                        55         SDR     4,4                                                VERISW
 00001A 7440 C160          00160    56         LE      4,MSGCOM                                           VERISW
 00001E 4144 0002          000002   57         LA      4,2(4)                                             VERISW
                                    58 *                                                                  VERISW
 000022 7454 0008          000008   59         LE      5,8(4)          PICK UP WORD 4 - CONTROL WORD      VERISW
                                    60 *                                                                  VERISW
 000026 AE5C 3000          03000    61         TBT     5,X'3000'       CONTINUE                           VERISW
 00002A 47EC C036          00036    62         BNE     S105                                               VERISW
 00002E 92FF 0056          00056    63         MVI     96(0),X'FF'     SET MANUAL CONTINUE                VERISW
 000032 47F0 C040          000040   64         B       S150                                               VERISW
 000036                             65 S105    EQU     *                                                  VERISW
 000036 AE5C 2000          02000    66         TBT     5,X'2000'       MANUAL                             VERISW
 00003A 47E0 C040          000040   67         BNE     S150                                               VERISW
 00003E 92FF 0054          00054    68         MVI     84(0),X'FF'     MANUAL DRIVER ON                   VERISW
 000042 1B77                        69         SR      7,7                                                VERISW
 000044 7470 C154          000154   70         LE      7,AAAAA                                            VERISW
 000048 92FF 7000          00000    71         MVI     0(7),X'FF'      SCHEDULE DRIVER                    VERISW
```

```
LOC  OBJECT CODE   ADDR1 ADDR2  STMT   SOURCE STATEMENT                          FORTRAN IV  G1 R7.0  10/14/81
000040                           72 S150     EQU   *                                                  VERISK
                                 73          EPILOG SAVE                                              VERISK
000040 58C0 C110          00110  75+         L     13,SAVE+4 % EPILOG
000050 58EC 000C          0000C  76+         LM    14,12,12(13) %
000054 07FE                      77+         BR    14 %
                                 79 **  ECMAN - MANUAL FC DRIVER                                       VERISK
000056                           80 ECMAN    EQU   *                                                  VERISK
                                 81          ENTRY ECMAN                                              VERISK
000056                           82          USING ECMAN,12                                           VERISK
                                 83          PROLOG SAVE                                              VERISK
000056 90EC D00C          0000C  84+         STM   14,12,12(13) % PROLOG
00005A 18CF                      85+         LR    12,15 %
00005C 182D                      86+         LR    2,13 %
00005E 4100 C0B6          00100  87+         LA    13,SAVE %
000062 502D C004          000C4  88+         ST    2,4(13) %
000066 5002 C008          000C8  89+         ST    13,8(2) %
00006A 1844                      91          SR    4,4             $                                  VERISK
00006C 744C C0FE          00154  92          LS    4,AXMAN         $ RESCHEDULE TASK                  VERISK
000070 92FF 4000     0C000       93          MVI   0(4),X'FF'      $                                  VERISK
000074 A4C5 C000          00000  94          TMRS  C,5,0           $ READ RTC                         VERISK
000078                           95 EC10     EQU   *                                                  VERISK
000078 1877                      95          SR    7,7             $                                  VERISK
00007A 4870 C00E          0000E  97          LH    7,14(0)         $                                  VERISK
00007E 1277                      98          LTR   7,7             $                                  VERISK
000080 4780 C042          00098  99          BZ    EC20            $ IO MESSAGES CLEAR?               VERISK
000084 A4C6 0000          00000  100         TMRS  C,6,0           $ READ RTC                         VERISK
000088 1B65                      101         SR    6,5             $ COMPUTE DELAT TIME WAIT          VERISK
00008A 5960 C112          00168  102         C     6,TOUT          $ TIMEOUT?                         VERISK
00008E 4740 C022          00078  103         BL    EC10            $ NO                               VERISK
000092 1877                      104         SR    7,7             $                                  VERISK
000094 4070 C00E          0000E  105         STH   7,14(0)         $ RESET IO MESSAGE FLAGS           VERISK
000098                           106 EC20    EQU   *                                                  VERISK
000098 9500 C055     00055       107         CLI   85(0),X'00'     $ RTDRV SLT                        VERISK
00009C 4780 C0AC          00102  108         BE    EC777           $                                  VERISK
0000A0 74F0 C104          00158  109         LS    15,ADJTCL1      $ TEST FOR ASS CLEAR               VERISK
0000A4 58AF C000          00000  110         L     10,0(15)        $ SIRT1 AND SIRT2 CLEAR            VERISK
0000A8 12AA                      111         LTR   10,10           $                                  VERISK
0000AA 4770 C0AC          00102  112         BNZ   ECEXIT          $                                  VERISK
0000AE 74F0 C100          00156  113         LS    15,ARTCMD       $ EXECUTE RTCMD                    VERISK
0000B2 05EF                      114         BALR  14,15           $                                  VERISK
0000B4 1866                      115         SR    6,6             $                                  VERISK
0000B6 746C C102          00158  116         LS    6,APOT          $                                  VERISK
0000BA 95FF 6000     0C000       117         CLI   0(6),X'FF'      $ REGISTERS OUTPUT?                VERISK
0000BE 4770 C0AC          00102  118         BNE   ECEXIT          $ NO                               VERISK
0000C2                           119 EC100   EQU   *                                                  VERISK
0000C2 10AA                      120         SR    10,10           $                                  VERISK
0000C4 744C C104          00158  121         LS    10,ADJTCL1      $                                  VERISK
0000C8 4160 0001          00001  122         LA    6,1             $                                  VERISK
0000CC 406A 0002          00002  123         STH   6,2(10)         $ SIRT2=1                          VERISK
0000D0 41AA 0044          00144  124         LA    10,68(10)       $ MESSAGE BLOCK ADDRESS            VERISK
0000D4 1866                      125         SR    6,6             $                                  VERISK
```

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT 12/21/71 13/14/01

```
000106 4044 0008              00010C  126          STH   0,8(1)      *                    VERISW
000108 7450 C156              00150   127          LS    5,ATJCREG   *                    VERISW
00010E 0241F A0C0 (C00 0C00C  00000   128          MVC   12(32,10),0(6) * SAVE REGISTERS TO BLOCK  VERISW
000164 7460 C16A              00158   129          LS    6,ATLBUF    *                    VERISW
000168 4878 0002              00002   130          LH    7,2(0)      * TIME               VERISW
00016C 407A 000A              00008   131          STH   7,10(10)    *                    VERISW
000170 1877                           132          SR    7,7         *                    VERISW
000172 7476 0008              00008   133          LS    7,8(6)      *                    VERISW
000176 BC70 000A      00000           134          MHI   7,10        *                    VERISW
00017A 4A79 0C0A              00008   135          AH    7,10(0)     * TIME               VERISW
00017E 407A 0C2C              00020   136          STH   7,44(10)    *                    VERISW
000182                                137 ECEXIT   EQU   *           *                    VERISW
000182                                138 EC777    EQU   *           *                    VERISW
                                      139          EPILOG SAVE                          VERISW

000182 5800 C08A              00110   141+         L     13,SAVE+4 * EPILOG
000186 98EC 0C0C              000CC   142+         LM    14,12,12(13) *
00018A 07FE                           143+         BR    14 *
000190                                144 SAVE     DS    18F                            VERISW
000194 0000                           145 ARMAN    DC    V(RTCMD)                       VERISW
000196 0000                           146 ARTCMD   DC    V(RTCMD)                       VERISW
000198 0000                           147 APUT     DC    V(PUT)                         VERISW
00019A 0000                           148 AOUTCOM  DC    V(OUTCOM)                      VERISW
00019C 0000                           149 ATJCREG  DC    V(TJCREG)                      VERISW
00019E 0000                           150 ATLBUF   DC    V(TLBUF)                       VERISW
0001A0 0000                           151 AMSGCOM  DC    V(MSGCOM)                      VERISW
0001A2 0000                           152 AEOFLG   DC    V(EOFLG)                       VERISW
0001A4 00032F00                       153 TOFLW    DC    F'864000'                      VERISW
0001A8 00004550                       154 TOUT     DC    F'17755'                       VERISW
                                      155          END                                  VERISW
```

ORIGINAL PAGE IS
OF POOR QUALITY

PDS.ID	PPI.ID	FLAGS	ADDRESS
02	04	04	000150
02	05	04	000152
02	06	04	000160
02	0C	04	000158
02	0D	04	000154
02	0E	04	000156
02	0F	04	00015C
02	10	04	00015A

10/14/81

SYMBOL	LEN	VALUE	DEFN	REFERENCES
ADDR18	00001	000019	00039	
ADDR5E	00001	00005E	00038	
AFUFLG	00002	00016E	00152	0054
AIUCREG	00002	00015C	00149	0127
AMSGCOM	00002	000160	00151	0056
AOUTCOM	00002	00015A	00148	0100 0121
APUT	00002	000158	00147	0116
ARTCMD	00002	000156	00146	0113
ATLBUF	00002	00015E	00150	0129
AXMAN	00002	000154	00145	0070 0092
ECEXIT	00001	000102	00137	0112 0118
ECMAN	00001	00005E	00090	0081 0082
EC10	00001	000078	00095	0103
EC100	00001	000002	00119	
EC20	00001	000098	00106	0099
EC777	00001	000102	00138	0108
FDCOM	00001	000000	00043	
FDCSCT	00001	000000	00043	
FDFLG	00001	000000	00042	0152
IUCREG	00001	000000	00044	0149
MANUAL	00001	000000	00040	0041
MSGCOM	00001	000000	00042	0151
MSOUT1	00001	000000	00043	
OUTCOM	00001	000000	00044	0148
PASSX	00001	000000	00042	
PASSO	00001	000000	00042	
PUT	00001	000000	00043	0147
RTCMD	00001	000000	00044	0146
SAVE	00004	00010C	00144	0049 0075 0087 0141
SEX	00001	000000	00042	
S105	00001	000036	00065	0062
S150	00001	00004C	00072	0064 0067
TLBUF	00001	000000	00042	0150
TOFLW	00004	000104	00153	
TOUT	00004	000108	00154	0102
XMAN	00001	000000	00043	0145

STMT ERROR CODE MESSAGE 10/14/81

IFU046 AT LEAST ONE RELOCATABLE Y-TYPE CONSTANT IN ASSEMBLY
44 IEL01S NEAR OPERAND COLUMN 21--EXTERNAL NAME ERROR
54 IEL03I NEAR OPERAND COLUMN 9--ALIGNMENT ERROR

2 STATEMENTS FLAGGED IN THIS ASSEMBLY
0 WAS HIGHEST SEVERITY CODE
STATISTICS SOURCE RECORDS (SYSIN) = 133
OPTIONS IN EFFECT LIST, NODECK, LOAD, NORENT, XREF, NOTEST, ALGN, OS, NOTERM, LINECNT = 55
218 PRINTED LINES

SYMBOL	TYPE	ID	ADDR	LENGTH	LD ID
	PC	01	000000	000000	
EXSPM	SD	02	000000	0001ED	
PCFBUF	ER	03			
SPM	ER	04			
DEPCOM	ER	05			
TLBUF	ER	06			
OUTCOM	ER	07			
FDFLG	ER	08			

```
LOC  OBJECT CODE    ADDR1 ADDR2  STMT   SOURCE STATEMENT                    F22NOV74  10/14/81
                                    1          PRINT OFF                                    VERISW
                                   21 ************************************************************ VERISW
                                   22 **                                                       VERISW
                                   23 **  EXSPM IS THE ROUTINE THAT OUTPUTS TO SCRATCH PAD MEMORY THE VERISW
                                   24 **  DATA ITEMS THAT MIGHT CHANGE EVERY CYCLE.            VERISW
                                   25 **                                                       VERISW
                                   26 **      CONTENTS                    ADDRESS          VERISW
                                   27 **      EXPERIMENT ID + MODE        0000             VERISW
                                   28 **      START FU TIME               0147-0149        VERISW
                                   29 **      PITCH ANGLE                 0196             VERISW
                                   30 **      MPD FIRINGS                 0195             VERISW
                                   31 **                                                       VERISW
                                   32 ************************************************************ VERISW
000052                             33 ADDR4E  EQU   78                                         VERISW
000052                             34 ADDR52  EQU   82                                         VERISW
000000                             35 EXSPM   CSECT                                            VERISW
000000                             36         USING  EXSPM,12                                  VERISW
                                   37         EXTRN  PCFBUF,SPM,DEPCOM                         VERISW
                                   38         EXTRN  TLBUF,OUTCOM,TOFLG                        VERISW
                                   39         PROLOG SAVE                                      VERISW
000000 90EC D00C          0000C    40+        STM    14,12,12(13) % PROLOG
000004 18CF                        41+        LR     12,15 %
000006 182D                        42+        LR     2,13 %
000008 4100 C144          00144    43+        LA     13,SAVE %
00000C 502D 0004          00004    44+        ST     2,4(13) %
000010 5002 0008          00008    45+        ST     13,8(2) %
                                   47 *                                                        VERISW
                                   48 *                                                        VERISW
000014 2BEE                        49         SDR    6,6                                      VERISW
000016 2B44                        50         SDR    4,4                                      VERISW
000018 B8EC 0000          00000    51         LHI    6,X'0000'                                VERISW
00001C 7450 C1DE          001DE    52         LS     5,APCFLG                                 VERISW
000020 7475 CC18          00018    53         LS     7,24(5)          FONOM(1)                VERISW
000024 8470 00FF          00000    54         NSI    7,X'00FF'                                VERISW
000028 C676                        55         CSR    7,6                                      VERISW
00002A 4070 C1E0          001E0    56         STH    7,DATA                                   VERISW
                                   57 *                                                        VERISW
00002E 4110 C188          00188    58         LA     1,APARR5                                 VERISW
000032 74F0 C1DA          001DA    59         LS     15,ASPM                                  VERISW
000036 05EF                        60         BALR   14,15            OUTPUT TO SPM 0000       VERISW
                                   61 *                                                        VERISW
000038 4165 C03A          0003A    62         LA     6,58(5)          FU START TIME           VERISW
00003C 5060 C1AC          001AC    63         ST     6,APAR42                                 VERISW
000040 4110 C1AC          001AC    64         LA     1,APAR42                                 VERISW
000044 05EF                        65         BALR   14,15            OUTPUT TO START TIME    VERISW
                                   66 *                                                        VERISW
000046 7440 C19C          001DC    67         LS     4,APCFOUT                                VERISW
00004A 4144 005E          0005E    68         LA     4,94(4)          PCFBUF(63)              VERISW
00004E 2B66                        69         SDR    6,6                                      VERISW
                                   70 *                                                        VERISW
000050 7464 0000          00000    71         LS     6,0(4)           TIME1                   VERISW
000054 8460 00FF          00000    72         NSI    6,X'00FF'                                VERISW
000058 8960 0008          00008    73         SLL    6,8                                      VERISW
00005C 7474 0002          00002    74         LS     7,2(4)           TIME2                   VERISW
```

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT F22H0674 10/14/81

```
000067 8470 00FF        00000      75          BST   7,X'00FF'                                    VERISW
000064 C667                        76          CSP   6,7          TABLE VIO TREE2                VERISW
                                   77 *                                                          VERISW
000066 4060 C1E6                   78          STH   6,DATA2+2                                    VERISW
00006A 4140 0004                   79          LA    4,4(0)                                       VERISW
                                   80 *                          PCBBFR(50)                     VERISW
00006E 2966                        81          SDR   6,6                                          VERISW
000070 7464 0000           00000   82          LS    6,0(4)                                       VERISW
000074 8C60 0002           00002   83          SRDL  6,2          PICK OFF PCBBFR(50)            VERISW
000078 7464 0002           00002   84          LS    6,2(4)                                       VERISW
00007C 8C60 0002           00002   85          SRDL  6,2          PICK OFF PCBBFR(51)            VERISW
                                   86 *                                                          VERISW
000080 4144 0004           00004   87          LA    4,4(4)                                       VERISW
000084 4190 0009           00009   88          LA    9,9                                          VERISW
000088                             89 EXS10    EQU   *                                            VERISW
000088 7464 000C           0000C   90          LS    6,12(4)      PICK OFF PCBBFR(52=60)          VERISW
00008C 8C60 0001           00001   91          SRDL  6,1                                          VERISW
000090 4144 0002           00002   92          LA    4,2(4)                                       VERISW
000094 4690 C088           00088   93          BCT   9,EXS10                                      VERISW
                                   94 *                                                          VERISW
000098 8D70 0013           00013   95          SRL   7,19         POSITION WORD                  VERISW
00009C 4070 C1E4           001E4   96          STH   7,DATA2                                      VERISW
0000A0 4110 C1C4           001C4   97          LA    1,APARM1                                     VERISW
0000A4 05EF                        98          BALR  14,15        OUTPUT TO SPM                  VERISW
                                   99 *                                                          VERISW
0000A6 1B55                       100          SR    5,5          $ OUTPUT STATUS INFO           VERISW
0000A8 7450 C190           00190  101          LS    5,ATLBUF     $                              VERISW
0000AC D203 C196 5CC6 0C196 00000 102          MVC   DATA4+1(4),0(5) $ MOVE IN TCHED(STCTCHED(5)) VERISW
0000B2 4860 004E           0004E  103          LH    6,ADDR4E     $ STATUS WORD 1                VERISW
0000B6 4060 C192           00192  104          STH   6,DATA4      $                              VERISW
0000BA 1B66                       105          SR    6,6          $ RESET STATUS                 VERISW
0000BC 4060 004E           0004E  106          STH   6,ADDR4E     $                              VERISW
0000C0 95C0 C0CE      0000E       107          CLI   14(0),X'00'  $ BUFFER BUSY                 VERISW
0000C4 4780 CCCC           000CC  108          BE    EXS40        $                              VERISW
0000C8 96C8 C192      0C192       109          OI    DATA4,X'08'  $                              VERISW
0000CC                            110 EXS40    EQU   *                                          VERISW
0000CC 95C0 000F      0000F       111          CLI   15(0),X'00'  $ BUFFER BUSY                 VERISW
0000D0 47E0 C0D8           000D8  112          BE    EXS45        $                              VERISW
0000D4 96C4 C192      0C192       113          OI    DATA4,X'04'  $                              VERISW
0000D8                            114 EXS45    EQU   *                                          VERISW
0000D8 2866                       115          SDR   6,6          $ BUFFER FLAGS                 VERISW
0000DA 7450 C13E           0013E  116          LS    5,ACUTCCM    $                              VERISW
0000DE 4875 0000           00000  117          LH    7,0(5)       $                              VERISW
0000E2 1277                       118          LTR   7,7          $                              VERISW
0000E4 4780 C0EC           000EC  119          BE    EXS50        $                              VERISW
0000E8 A660 0200      0C000       120          CST   6,X'0200'    $                              VERISW
0000EC                            121 EXS50    EQU   *                                          VERISW
0000EC 4875 0002           00002  122          LH    7,2(5)       $                              VERISW
0000F0 1277                       123          LTR   7,7          $                              VERISW
0000F2 4780 CCFA           000FA  124          BE    EXS55        $                              VERISW
0000F6 A660 0100      0C000       125          CST   6,X'0100'    $                              VERISW
0000FA                            126 EXS55    EQU   *                                          VERISW
0000FA 4875 0004           00004  127          LH    7,4(5)       $                              VERISW
0000FE 1277                       128          LTR   7,7          $                              VERISW
000100 4780 C104           00104  129          BE    EXS60        $                              VERISW
```

ORIGINAL PAGE IS
OF POOR QUALITY

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT F22N0V74 10/14/81

```
000104 A860 0080      0000          130          CSI   6,X'0080'     $                          VERISW
000108                              131 EXS60    EQU   *             $                          VERISW
000108 6660 C192              00192 132          OS    6,DATA4       $                          VERISW
00010C 4060 C192              00192 133          STH   6,DATA4       $                          VERISW
000110 7460 C192              00192 134          LS    6,DATA4       $                          VERISW
000114 666C 0052              00052 135          OS    6,ADDR52      $ BUILD STATUS WORD 2      VERISW
000118 4060 0052              00052 136          STH   6,ADDR52      $                          VERISW
00011C 4060 C194              00194 137          STH   6,DATA4+2     $                          VERISW
000120 7450 C1D8              00108 138          LS    5,ADEPCOM     $                          VERISW
000124 4865 0000              00000 139          LH    6,0(5)        $ PICK UP STATE            VERISW
000128 B460 000F      0000        140          NSI   6,X'000F'     $                          VERISW
00012C 6660 C192              00192 141          OS    6,DATA4       $                          VERISW
000130 4060 C192              00192 142          STH   6,DATA4       $                          VERISW
000134 4110 C19C              0019C 143          LA    1,APARM4      $                          VERISW
000138 05EF                         144          BALR  14,15         $ OUTPUT TO SPM            VERISW
                                    145          EPILOG SAVE                                    VERISW

00013A 58D0 C148              00148 147+         L     13,SAVE+4 *   EPILOG
00013E 98EC D00C              0000C 148+         LM    14,12,12(13) *
000142 07FE                         149+         BR    14 *
                                    150 *                                                       VERISW
000144 00C000C000C000C0             151 SAVE     DC    18F'0'                                   VERISW
00018C 0004                         152 FOUR     DC    F'4'                                     VERISW
00018E 0000                         153 ACUTCOM  DC    Y(CUTCOM)                                VERISW
000190 0000                         154 ATLBUF   DC    Y(TLBUF)                                 VERISW
000192 0000C0C0000FC0030            155 DATA4    DC    4H'0'                                    VERISW
00019A 0000
00019C C0C00192                     156 APARM4   DC    A(DATA4)                                 VERISW
0001A0 0000C18C                     157          DC    A(FOUR)                                  VERISW
0001A4 80C0C1A8                     158          DC    X'80',AL3(SPM4)                          VERISW
0001A8 13535303                     159 SPM4     DC    X'13535303'                              VERISW
0001AC 00000000                     160 APARM2   DC    A(0)                                     VERISW
0001B0 00C001D4                     161          DC    A(THREE)                                 VERISW
0001B4 80C001E8                     162          DC    X'80',AL3(SPMA2)                         VERISW
0001B8 C0C0C1E0                     163 APARM3   DC    A(DATA)                                  VERISW
0001BC C0C0C1D0                     164          DC    A(ONE)                                   VERISW
0001C0 80C001D2                     165          DC    X'80',AL3(SPMA)                          VERISW
0001C4 00000194                     166 APARM1   DC    A(DATA2)                                 VERISW
0001C8 00000106                     167          DC    A(TWO)                                   VERISW
0001CC 80000100                     168          DC    X'80',AL3(SPMA3)                         VERISW
0001D0 0001                         169 ONE      DC    F'1'                                     VERISW
0001D2 0003                         170 SPMA     DC    X'0003'                                  VERISW
0001D4 0003                         171 THREE    DC    F'3'                                     VERISW
0001D6 0002                         172 TWO      DC    F'2'                                     VERISW
0001D8 0000                         173 ADEPCOM  DC    Y(DEPCOM)                                VERISW
0001DA 0000                         174 ASPM     DC    Y(SPM)                                   VERISW
0001DC 0000                         175 APCFBUF  DC    Y(PCFBUF)                                VERISW
0001DE 0000                         176 APCFFLG  DC    Y(PCFFLG)                                VERISW
0001E0 0000                         177 DATA     DC    F'0'                                     VERISW
0001E2 0000
0001E4 C0C0C000                     178 DATA2    DC    F'0'                                     VERISW
0001E8 C029A9                       179 SPMA2    DC    X'C029A9'                                VERISW
0001EB A3E3                         180 SPMA3    DC    X'A3E3'                                  VERISW
                                    181          END                                            VERISW
```

RELOCATION DICTIONARY PAGE 1

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POS.ID	REL.ID	FLAGS	ADDRESS
02	02	0C	0001 9C
02	02	0C	0001A0
02	02	C8	0001A5
02	02	CC	0001B0
02	02	C8	0001B5
02	02	0C	0001B9
02	02	0C	0001BC
02	02	C8	0001C1
02	02	CC	0001C4
02	02	0C	0001C8
02	02	C8	0001CD
02	03	04	0001DC
02	04	04	0001DA
02	05	04	0001D8
02	06	04	0001 90
02	07	04	0001 8E
02	08	04	0001DE

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SYMBOL	LEN.	VALUE	DEFN	REFERENCES
ADDR4E	00001	00CC4E	00033	0103 0106
ADDR52	00001	00CC52	00034	0135 0136
ADEPCOM	00002	00C1D8	00173	0138
AFOFLG	00002	00C1DE	00176	0052
AOUTCOM	00002	00C1DE	00153	0114
APARM5	00004	00C1B8	00163	0058
APARM1	00004	00C1C4	00166	0097
APARM2	00004	00C1AC	00160	0063 0064
APARM4	00004	00C156	00156	0143
APCFBUF	00002	00C1DC	00175	0057
ASPM	00002	00C1DA	00174	0055
ATLBUF	00002	00C190	00154	0101
DATA	00002	00C1E0	00177	0056 0163
DATA2	00004	00C1C4	00178	0078 0096 0166
DATA4	00002	00C192	00155	0102 0104 0109 0113 0132 0133 0134 0137 0141 0142 0155
DEPCOM	00001	00C00C	00037	0173
EXSPM	00001	00CCC0	00035	0036
EXS10	00001	00CC08	00039	0093
EXS40	00001	00CCCC	00110	0108
EXS45	00001	00CCDC	00114	0112
EXS50	00001	00CCEC	00121	0119
EXS55	00001	00CCFA	00126	0124
EXS60	00001	00C100	00131	0129
FOFLG	00001	00CCD0	00038	0176
FOUR	00002	00C1BC	00152	0151
ONE	00002	00C1D0	00169	0164
OUTCOM	00001	00CCCC	00038	0153
PCFBUF	00001	00CCCC	00037	0175
SAVE	00004	00C144	00151	0043 0147
SPM	00001	00CCD0	00037	0174
SPMA	00002	00C1D2	00170	0165
SPMA2	00003	00C1E8	00179	0162
SPMA3	00002	00C1F8	00180	0168
SPM4	00004	00C1A8	00159	0158
THREE	00002	00C1D4	00171	0161
TLBUF	00001	00CCC0	00038	0154
TWO	00002	00C1D6	00172	0167

STMT ERROR CODE MESSAGE 10/14/81

IEU046 AT LEAST ONE RELOCATABLE Y-TYPE CONSTANT IN ASSEMBLY

NO STATEMENTS FLAGGED IN THIS ASSEMBLY
0 WAS HIGHEST SEVERITY CODE
STATISTICS SOURCE RECORDS (SYSIN) = 170
OPTIONS IN EFFECT LIST, NODECK, LOAD, NORENT, XREF, NOTEST, ALGN, OS, NOTERM, LINECNT = 55
245 PRINTED LINES

EXTERNAL SYMBOL DICTIONARY

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SYMBOL TYPE ID ADDR LENGTH LD ID

DEPOMP SD 01 CC(CC0 000302

```
LOC  OBJECT CODE    ADDR1 ADDR2  STMT   SOURCE STATEMENT                                  F22NOV74  10/14/81

                                    1          PRINT OFF                                                VERISW
                                   20 ********************************************************************* VERISW
                                   21 ********************************************************************* VERISW
                                   22 **  ROUTINE:     DEPDMP                                            **  VERISW
                                   23 **                                                                  **  VERISW
                                   24 **  FUNCTION:    THIS SUBROUTINE DUMPS SELECTED DEP MEMORY LOCAT-  **  VERISW
                                   25 **               IONS TO THE EXPERIMENT COMPUTER (DEP-EC) VIA THE  **  VERISW
                                   26 **               PASSING OF 29-WORD MESSAGE BLOCKS.                **  VERISW
                                   27 **                                                                  **  VERISW
                                   28 **  CALLING SEQ: CALL DEPDMP(STARTAC,LENGTH)                        **  VERISW
                                   29 **                                                                  **  VERISW
                                   30 **  NOTE:        STARTAC = DUMP STARTING ADDRES                    **  VERISW
                                   31 **               LENGTH  = NUMBER OF 16-BIT WORDS TO DUMP          **  VERISW
                                   32 **                                                                  **  VERISW
                                   33 ********************************************************************* VERISW
                                   34 ********************************************************************* VERISW
000000                             35 DEPDMP  CSECT                                                       VERISW
000000                             36         USING DEPDMP,12                                             VERISW
                                   37         PROLOG SAVE                                                 VERISW
000000 90EC D00C          0000C    38+        STM   14,12,12(13) % PROLOG
000004 18CF                        39+        LR    12,15 %
000006 1820                        40+        LR    2,13 %
000008 41C0 C07C          0007C    41+        LA    13,SAVE %
00000C 502D 0004          00004    42+        ST    2,4(13) %
000010 50D2 0008          00008    43+        ST    13,8(2) %

000014 4160 C01B          00018    46         LA    6,27
000018 A07C 8500          00000    47         LSI   7,X'8500'      ANNUAL BLOCK MESSAGE CODE
00001C A545 C0C6          000C6    48 SIO1    SIO   4,5,CSR3
000020 4770 C01C          0001C    49         BNZ   SIO1
000024 AE5C 8000          0C000    50         TBT   5,X'8000'      SEE IF CHANNEL BUSY
000028 4710 C01C          0001C    51         BO    SIO1           IF BUSY LOOP TIL OPEN
00002C A5C2 CCCE          000CE    52 SIO4    SIO   0,2,DPMLE
000030 4770 C02C          0002C    53         BNZ   SIO4
000034 A503 CCD0          00000    54 SIO5    SIO   0,3,DPMLF
000038 4770 C034          00034    55         BNZ   SIO5
00003C 7440 C0CC          000CC    56 LOOP1   LS    4,DUF1
000040 7450 2000          00000    57 LOOP    LS    5,0(,2)        PICK UP DATA WORD
000044 4040 C0C4          000C4    58         STH   4,DPMAD
000048 A550 CCC4          000C4    59 SIO2    SIO   5,0,DPMAD
00004C 4770 C048          00048    60         BNZ   SIO2
000050 4140 4001          00001    61         LA    4,1(,4)
000054 4120 2002          00002    62         LA    2,2(,2)
000058 466C CC40          00040    63 BLOCK   BCT   6,LOOP
00005C C673                        64         CSR   7,3
00005E A570 C0C6          000C6    65 SIO3    SIO   7,0,WCSR3
000062 4770 C05F          0005F    66         BNZ   SIO3
000066 18C0                        67         SR    0,0
000068 A5C3 C0CA          000CA    68 SIO6    SIO   0,0,CSR1
00006C 4770 C068          00068    69         BNZ   SIO6
000070                             70 RETURN  EQU   *
                                   71         EPILOG SAVE                                                 VERISW
```

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OF POOR QUALITY

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT F22N0V74 10/14/81

```
000070 5800 C080        00080   73+         L     13,SAVE+4 %  EPILOG
000074 98EC D00C        000CC   74+         LM    14,12,12(13) %
000078 07FE             75+         BR    14 %
00007A 00C0
00007C 00C000C000C000C0          76 SAVE    DC    18F'0'                                    VERISW
000004 0000              77 DPMAD   DC    F'0'                                      VERISW
0000C6 98FD              78 CSR3    DC    X'98FD'                                   VERISW
0000C8 9FFD              79 WCSR3   DC    X'9FFD'          DPM LOC FD CSR 3         VERISW
0000CA 9FFB              80 WCSR1   DC    X'9FFB'                                   VERISW
0000CC 3F80              81 BUF1    DC    X'3F80'          DPM LOC 0                VERISW
0000CE 389E              82 DPM1E   DC    X'389E'                                   VERISW
0000D0 389F              83 DPM1F   DC    X'389F'                                   VERISW
000000                   84         END   DEPDMP                                    VERISW
```

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SYMBOL	LEN	VALUE	DEFN	REFERENCES		
BLOCK	00004	0000SP	00063			
BUFL	00002	000000	00081	0056		
CSR3	00002	000006	00078	0040		
DEPDMP	00001	000000	00035	0036	0084	
DPMAD	00002	0000C4	00077	0053	0059	
DPMLC	00002	0000DF	00082	0052		
DPMLF	00002	000000	00083	0054		
LOOP	00004	000040	00057	0063		
LOOP1	00004	000030	00056			
RETURN	00001	000070	00070			
SAVE	00004	000070	00076	0041	0073	
SIO1	00004	0000IC	00048	0049	0051	
SIO2	00004	000048	00059	0060		
SIO3	00004	00005L	00065	0066		
SIO4	00004	000020	00052	0053		
SIO5	00004	000034	00054	0055		
SIO6	00004	000068	00068	0069		
WCSR1	00002	00000A	00080	0068		
WCSR3	00002	000006	00079	0065		

NO STATEMENTS FLAGGED IN THIS ASSEMBLY
STATISTICS SOURCE RECORDS (SYSIN) = 73
OPTIONS IN EFFECT LIST, NODECK, LOAD, NORENT, XREF, NOTEST, ALGN, OS, NOTERM, LINECNT = 55
98 PRINTED LINES

SYMBOL	TYPE	ID	ADDR	LENGTH	LD ID
UHEADR	SD	01	000000	0000E8	
FDFLG	ER	02			
UC4DW1	ER	03			
UC4DW2	ER	04			
MSGCD4	CR	05			

```
LOC  OBJECT CODE    ADDR1 ADDR2  STMT   SOURCE STATEMENT                    F22NOV74  10/14/81

                                    1          PRINT OFF                                    VERISW
                                   20 ********************************************************** VERISW
                                   21 ********************************************************** VERISW
                                   22 **  ROUTINE:     UHEADR                                  **  VERISW
                                   23 **                                                       **  VERISW
                                   24 **  FUNCTION:    THIS SUBROUTINE UNPACKS EXPERIMENT COMPUTER USER **  VERISW
                                   25 **               MESSAGE HEADERS.                       **  VERISW
                                   26 **                                                       **  VERISW
                                   27 **  HEADER FORMAT:                                       **  VERISW
                                   28 **                        0 1 2 3 4 5 6 7 8 9 1 1 1 1 1 1**  VERISW
                                   29 **                                        0 1 2 3 4 5    **  VERISW
                                   30 **                                                       **  VERISW
                                   31 **  HDR WORD 1  -   BLK  ID PCF  ID XXXXXXXXXXXXXX       **  VERISW
                                   32 **  HDR WORD 2  -   C O M M A N D    W O R D      1      **  VERISW
                                   33 **  HDR WORD 3  -   C O M M A N D    W O R D      2      **  VERISW
                                   34 **  HDR WORD 4  -   PARAMETER  NO. PARAMETER VALUE       **  VERISW
                                   35 **                                                       **  VERISW
                                   36 **                    XXXXXXXX = MESSAGE NUMBER          **  VERISW
                                   37 **  NOTE:        UHEADR ASSUMES INPUT IS FOUND IN MSGCOM COMMON.  **  VERISW
                                   38 **                                                       **  VERISW
                                   39 **               IT THEN PUTS VALUES IN THE FOLLOWING COMMON  **  VERISW
                                   40 **               VARIABLES:                              **  VERISW
                                   41 **                                                       **  VERISW
                                   42 **               UBLKID, UPCFID, UPCFNO, UPCFVL          **  VERISW
                                   43 **               UCMDW1(15) -- EACH BIT PUT IN UCMDW1(1 - 16)  **  VERISW
                                   44 **               UCMDW2(16) -- SAME EXCEPT UCMDW2 IS USED FOR DATA.**  VERISW
                                   45 **                                                       **  VERISW
                                   46 ********************************************************** VERISW
                                   47 ********************************************************** VERISW
000000                             48 UHEADR  CSECT                                            VERISW
                                   49         EXTRN FCFLG,UCMDW1,UCMDW2                        VERISW
                                   50         EXTRN MSGCOM                                     VERISW
000000                             51         USING UHEADR,12                                  VERISW
                                   52         PROLOG SAVE                                      VERISW
000000 90EC D00C          0000C    53+        STM   14,12,12(13) * PROLOG
000004 18CF                        54+        LR    12,15 *
000006 1820                        55+        LR    2,13 *
000008 4130 C098          00098    56+        LA    13,SAVE *
00000C 5020 D004          00004    57+        ST    2,4(13) *
000010 50D2 C008          00008    58+        ST    13,8(2) *

000014 2822                        60         SDR   2,2                                        VERISW
000016 7420 C0E6          000E6    61         LS    2,AMSGCOM                                  VERISW
00001A 7430 C0FC          000FC    62         LS    3,AFCFLG                                   VERISW
00001E 2866                        63         SDR   6,6                                        VERISW
000020 7470 2002          00002    64         LS    7,2(,2)                                    VERISW
000024 8060 0014          00014    65         SLDL  6,20                                       VERISW
000028 8870 001C          0001C    66         SRL   7,28                                       VERISW
00002C 4070 3012          00012    67         STH   7,18(,3)          UPCFI                    VERISW
000030 4060 3010          00010    68         STH   6,16(,3)          UBLKI                    VERISW
000034 2866                        69         SDR   6,6                                        VERISW
000036 7470 2008          00008    70         LS    7,8(,2)                                    VERISW
00003A 8060 0018          00018    71         SLDL  6,24                                       VERISW
00003E 4060 3016          00016    72         STH   6,22(,3)          UPCFN                    VERISW
000042 8870 0018          00018    73         SRL   7,24                                       VERISW
```

```
000046 4070 3014          00014    74          STH   7,20(,3)      UPCEV                    VERISW
00004A 884C 0002          00000    75          LHI   4,2                                    VERISW
00004E                             76 LOOPO    EQU   *                                      VERISW
00004E 7434 C0E2          00DE2    77          LS    3,AUCRDW2(4)                           VERISW
000052 1811                        78          SR    1,1                                    VERISW
000054 2866                        79          SDR   6,6                                    VERISW
000056 4122 0002          00002    80          LA    2,2(2)                                 VERISW
00005A 7470 2002          00002    81          LS    7,2(,2)                                VERISW
00005E AE7C 8000          00000    82          TBI   7,X'8000'     ANY NEW MESSAGES         VERISW
000062 47E0 C004          00004    83          BNC   LOOP3         NO                       VERISW
000066 8970 0010          00010    84          SLL   7,16                                   VERISW
00006A 4180 0010          00010    85 LOOP1    LA    8,16                                   VERISW
00006E                             86 LOOP11   EQU   *                                      VERISW
00006E 1866                        87          SR    6,6                                    VERISW
000070 8060 0001          00001    88          SLDL  6,1                                    VERISW
000074                             89 LOOP     EQU   *                                      VERISW
000074 6661 3000          00000    90          CS    6,0(1,3)      OR IN NEW BIT            VERISW
000078 4061 3000          00000    91          STH   6,0(1,3)                               VERISW
00007C 4110 1002          00002    92          LA    1,2(,1)                                VERISW
000080                             93 LOOP2    EQU   *                                      VERISW
000080 4680 C06E          0006E    94          BCT   8,LOOP11                               VERISW
000084                             95 LOOP3    EQU   *                                      VERISW
000084 8840 0002          00000    96          SHI   4,2                                    VERISW
000088 1244                        97          LTR   4,4                                    VERISW
00008A 4770 C04E          0004E    98          BNZ   LOOPO                                  VERISW
00008E                             99 RETURN   EQU   *                                      VERISW
                                  100          EPILOG SAVE                                  VERISW

00008E 5800 C00C          0009C   102+         L     13,SAVE+4 %   EPILOG
000092 98EC D00C          0000C   103+         LM    14,12,12(13) %
000096 07FE                       104+         BR    14 %
000098 00C0000000C00CC0           105 SAVE     DC    18F'0'                                 VERISW
0000E0 00C0                       106 AFOFLG   DC    Y(FOFLG)                               VERISW
0000E2 00C0                       107 AUCMDW2  DC    Y(UCMDW2)                              VERISW
0000E4 0000                       108 AUCMDW1  DC    Y(UCMDW1)                              VERISW
0000E6 0000                       109 AMSGCOM  DC    Y(MSGCOM)                              VERISW
000000                            110          END   UPEADR                                  VERISW
```

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POS.ID	REL.ID	FLAGS	ADDRESS
01	02	04	0000E0
01	03	04	0000E4
01	04	04	0000E2
01	05	04	0000E6

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SYMBOL	LEN	VALUE	DEFN	REFERENCES		
AFOFLG	00002	00000E	00106	0062		
AMSGCOM	00002	000056	00109	0061		
AUCMDW1	00002	0000E4	00108			
AUCMDW2	00002	0000E2	00107	0077		
FOFLG	00001	00000C	00049	0106		
LOOP	00001	000074	00089			
LOOP0	00001	00004C	00076	0099		
LOOP1	00004	00006A	00035			
LOOP11	00001	00006C	00086	0094		
LOOP2	00001	000080	00093			
LOOP3	00001	000084	00095	0083		
MSGCOM	00001	000000	00050	0109		
RETURN	00001	00008E	00099			
SAVE	00004	000098	00105	0056	0102	
UCMDW1	00001	000000	00049	0108		
UCMDW2	00001	000000	00049	0107		
UHEADP	00001	000000	00048	0051	0110	

STMT ERROR CODE MESSAGE 10/14/81

IFU046 AT LEAST ONE RELOCATABLE Y-TYPE CONSTANT IN ASSEMBLY

NO STATEMENTS FLAGGED IN THIS ASSEMBLY
4 WAS HIGHEST SEVERITY CODE
STATISTICS SOURCE RECORDS (SYSIN) = 99
OPTIONS IN EFFECT LIST, NODECK, LOAD, NORENT, XREF, NOTEST, ALGN, OS, NOTERM, LINECNT = 55
135 PRINTED LINES

SYMBOL	TYPE	ID	ADDR	LENGTH	LD ID
PHEADR	SD	01	000000	0000EE	
FOFLG	ER	02			
STATW1	ER	03			
STATW2	ER	04			

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT F2.8NOV74 10/14/81

```
                                    1          PRINT OFF                                                          VERISK
                                   20 ************************************************************************** VERISK
                                   21 ************************************************************************** VERISK
                                   22 **  ROUTINE:      PHEADR                                                 ** VERISK
                                   23 **                                                                       ** VERISK
                                   24 **  FUNCTION:     THIS SUBROUTINE PACKS EXPERIMENT COMPUTER USER         ** VERISK
                                   25 **                MESSAGE HEADERS.                                       ** VERISK
                                   26 **                                                                       ** VERISK
                                   27 **  CALLING SEQ:  CALL PHEADR(BUFFER) -- BUFFER IS ADDR OF 16-BIT        ** VERISK
                                   28 **                                     WORD HEADER AREA.                 ** VERISK
                                   29 **                                                                       ** VERISK
                                   30 **  HEADER FORMAT:                                                       ** VERISK
                                   31 **                        0 1 2 3 4 5 6 7 8 9 1 1 1 1 1 1               ** VERISK
                                   32 **                                        0 1 2 3 4 5                    ** VERISK
                                   33 **                                                                       ** VERISK
                                   34 **  HDR WORD 1 -    ELK ID PCF ID XXXXXXXXXXXXXX                        ** VERISK
                                   35 **  HDR WORD 2 -    S T A T U S      W O R D      1                     ** VERISK
                                   36 **  HDR WORD 3 -    S T A T U S      W O R D      2                     ** VERISK
                                   37 **  HDR WORD 4 -    PARAMETER   NO. PARAMETER VALUE                     ** VERISK
                                   38 **                                                                       ** VERISK
                                   39 **                  XXXXXXXXXXX = MESSAGE NUMBER                         ** VERISK
                                   40 **  NOTE:          PHEADR ASSUMES INPUTS ARE FOUND THE THE FOLLOWING    ** VERISK
                                   41 **                  COMMON VARIABLES:                                    ** VERISK
                                   42 **                                                                       ** VERISK
                                   43 **                  PBKLID, PPCFID,PPCFNO,PPCFVL,PMSGNO                  ** VERISK
                                   44 **                  STATW1(16) == EACH BIT PUT IN STATW1(1 - 16)         ** VERISK
                                   45 **                  STATW2(16) -- SAME EXCEPT STATW2 IS USED FOR DATA.   ** VERISK
                                   46 **                                                                       ** VERISK
                                   47 ************************************************************************** VERISK
                                   48 ************************************************************************** VERISK
000000                             49 PHEADR   CSECT                                                          VERISK
                                   50         EXTRN PCFLG,STATW1,STATW2                                       VERISK
000000                             51         USING PHEADR,12                                                 VERISK
                                   52         PROLOG SAVE                                                     VERISK
000000 90EC D00C          00000C   53+        STM   14,12,12(13) % PROLOG
000004 18CF                        54+        LR    12,15 %
000006 1820                        55+        LR    2,13 %
000008 41D0 C0A0          0000A0   56+        LA    13,SAVE %
00000C 5020 D004          000004   57+        ST    2,4(13) %
000010 5002 0008          000008   58+        ST    13,8(2) %

000014 581C 1000          000000   60         L     1,0(,1)                                                   VERISK
000018 2B66                        61         SDR   6,6                                                       VERISK
00001A 2B22                        62         SDR   2,2                                                       VERISK
00001C 7420 C0EC          0000EC   63         LS    2,APCBLK                                                  VERISK
000020 7460 2006          000006   64         LS    6,6(,2)   PMSGNO                                          VERISK
000024 8C60 0008          000008   65         SRLL  6,8                                                       VERISK
000028 7460 200A          00000A   66         LS    6,10(,2)  PFCFI                                           VERISK
00002C 8C60 0004          000004   67         SRLL  6,4                                                       VERISK
000030 7460 2008          000008   68         LS    6,8(,2)   PBLKI                                           VERISK
000034 8C60 0004          000004   69         SRLL  6,4                                                       VERISK
000038 8970 CC10          000010   70         SRL   7,16                                                      VERISK
00003C 4070 1000          000000   71         STH   7,0(,1)                                                   VERISK
000040 4150 0002          000002   72         LA    5,2                                                       VERISK
000044                             73 LOOP1    EQU   *                                                       VERISK
```

XSI 6,X'80'

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```
 LOC  OBJECT CODE    ADDR1 ADDR2  STMT   SOURCE STATEMENT                                F22NOV74  10/14/81
000044 2B22                        74            SDR   2,2                                          VERISW
000046                             75 LOOP2      EQU   *                                            VERISW
000046 4140 C01E                   00011E 76     LA    4,30                                         VERISW
00004A 4180 0C10                   00010  77     LA    8,16                                         VERISW
00004E 2B66                        79            SDR   6,6                                          VERISW
000050 7423 C0F8                   0000F8 79     LS    2,ASTATW1(3)                                 VERISW
000054 411C 1002                   00002  80     LA    1,2(,1)                                      VERISW
000058 7464 2000                   00000  81 LOOP  LS    6,0(4,2)                                     VERISW
00005C 8C60 0001                   00001  82     SRDL  6,1                                          VERISW
000060 8B40 0002                   000000 83     SHI   4,2                                          VERISW
000064 4690 C058                   00058  84     BCT   8,LOOP                                       VERISW
000068 8870 0010                   00010  85     SRL   7,16                                         VERISW
00006C 4070 100C                   00000  86     STH   7,0(,1)                                      VERISW
000070 413C 3002                   00002  87     LA    3,2(,3)                                      VERISW
000074 4650 C046                   00046  88     BCT   5,LOOP2                                      VERISW
000078 2B66                        89            SDR   6,6                                          VERISW
00007A 7420 C0EC                   000EC  90     LS    2,AFUFLG                                     VERISW
00007E 746C 200C                   00000C 91     LS    6,12(,2)    PPCFV                            VERISW
000082 8C60 0008                   00008  92     SRDL  6,8                                          VERISW
000086 7460 200E                   00000E 93     LS    6,14(,2)    PPCFN                            VERISW
00008A 8C60 0008                   00008  94     SRDL  6,8                                          VERISW
00008E 8870 0010                   00010  95     SRL   7,16                                         VERISW
000092 4070 1002                   00002  96     STH   7,2(,1)                                      VERISW
000096                             97 RETURN     EQU   *                                            VERISW
                                   98            EPILOG SAVE                                        VERISW

000096 5800 C0A4                   000A4  100+           L     13,SAVE+4 %  EPILOG
00009A 98EC 000C                   00000C 101+           LM    14,12,12(13) %
00009E 07FE                        102+          BR    14 %
0000A0 00000000000000000 103 SAVE        DC    18F'0'                                             VERISW
0000E8 0000                        104 ASTATW1   DC    Y(STATW1)                                    VERISW
0000EA 0000                        105 ASTATW2   DC    Y(STATW2)                                    VERISW
0000EC 0000                        106 AFUFLG    DC    Y(FCFLG)                                     VERISW
                                   107           END                                              VERISW
```

10/14/81

POS.ID	REL.ID	FLAGS	ADDRESS
01	02	C4	0000EC
01	03	C4	0000E8
01	04	C4	0000E4

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SYMBOL	LEN	VALUE	DEFN	REFERENCES
AFOFLG	00002	00C0EC	00106	0063 0090
ASTATW1	00002	00CCEA	00104	0079
ASTATW2	00002	00CCEA	00105	
FOFLG	00001	00C09C	00050	0100
LOOP	00004	00C058	00081	0084
LOOP1	00001	00CC44	00073	
LOOP2	00001	00CC46	00075	0088
PHEADP	00001	000000	00045	0051
RETURN	00001	00CC5C	00097	
SAVE	00004	00C0A0	00103	0056 C100
STATW1	00001	000000	00050	0104
STATW2	00001	000000	00050	0105

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STMT ERROR CODE MESSAGE

IEL046 AT LEAST ONE RELOCATABLE Y-TYPE CONSTANT IN ASSEMBLY

NO STATEMENTS FLAGGED IN THIS ASSEMBLY
4 WAS HIGHEST SEVERITY CODE
STATISTICS SOURCE RECORDS (SYSIN) = 96
OPTIONS IN EFFECT LIST, NODECK, LOAD, NCRENT, XREF, NOTEST, ALGN, OS, NOTERM, LINECNT = 55
125 PRINTED LINES

SYMBOL TYPE ID ADDR LENGTH LD ID

FITIC SD 01 000000 000080

```
 LOC  OBJECT CODE    ADDR1 ADDR2  STMT   SOURCE STATEMENT                                  F22NOV74  10/14/81

                                     1 ************************************************************************ VERISW
                                     2 ************************************************************************ VERISW
                                     3 **  ROUTINE:      FLT16                                                ** VERISW
                                     4 **                                                                     ** VERISW
                                     5 **  FUNCTION:     THIS SUBROUTINE CONVERTS A 32-BIT INTEGER INTO       ** VERISW
                                     6 **                A FLOATING 32-BIT REAL.                              ** VERISW
                                     7 **                                                                     ** VERISW
                                     8 **  CALLING SEQ:  X = FLT16(I)                                         ** VERISW
                                     9 **                                                                     ** VERISW
                                    10 ************************************************************************ VERISW
                                    11 ************************************************************************ VERISW
000000                              12 FLT16   CSECT                                                          VERISW
000000                              13         USING FLT16,15                                                 VERISW
000000 5020 F084                00084 14         ST    2,REG2SAVE                                           VERISW
000004 5820 1000                00000 15         L     2,0(,1)                                              VERISW
000008 1800                         16         SR    0,0                                                  VERISW
00000A 7402 0000                00000 17         LS    0,0(2)                                               VERISW
00000E 1820                         18         LR    2,0                                                  VERISW
000010 3800                         19         LER   0,0                                                  VERISW
000012 1222                         20         LTR   2,2                                                  VERISW
000014 4780 F06E                00066 21         BZ    RETURN                                               VERISW
000018 1002                         22         LPR   0,2                                                  VERISW
00001A 1811                         23         SR    1,1                                                  VERISW
00001C 5900 F07C                00070 24         C     0,BIGEST                                             VERISW
000020 4700 F030                00030 25         BNH   ISITBIG                                              VERISW
000024 4110 0008                00008 26         LA    1,8                                                  VERISW
000028 8800 0008                00008 27         SRL   0,8                                                  VERISW
00002C 47F0 F040                00040 28         B     ARG                                                  VERISW
000030                              29 ISITBIG DS    0H                                                     VERISW
000030 5900 F080                00080 30         C     0,BIGINT                                             VERISW
000034 4700 F040                00040 31         BNH   ARG                                                  VERISW
000038 4110 0004                00004 32         LA    1,4                                                  VERISW
00003C 8800 0004                00004 33         SRL   0,4                                                  VERISW
000040                              34 ARG     DS    0F                                                     VERISW
000040 5000 F088                00088 35         ST    0,TEMP                                               VERISW
000044 9246 F088                00088 36         MVI   TEMP,X'46'                                           VERISW
000048 7A00 F098                00098 37         AE    0,TEMP                                               VERISW
00004C 1211                         38         LTR   1,1                                                  VERISW
00004E 4780 F066                00066 39         BZ    ISITNEG                                              VERISW
000052 7000 F098                00098 40         STE   0,TEMP                                               VERISW
000056 5800 F088                00088 41         L     0,TEMP                                               VERISW
00005A 5A01 F070                00070 42         A     0,EXPFUDG-4(1)                                       VERISW
00005E 5000 F089                00089 43         ST    0,TEMP                                               VERISW
000062 7800 F088                00088 44         LE    0,TEMP                                               VERISW
000066                              45 ISITNEG DS    0H                                                     VERISW
000066 1222                         46         LTR   2,2                                                  VERISW
000068 4780 F06E                00066 47         BNM   RETURN                                               VERISW
00006C 3300                         48         LCER  0,0                                                  VERISW
00006E                              49 RETURN  DS    0H                                                     VERISW
00006E 5820 F084                00084 50         L     2,REG2SAVE                                           VERISW
000072 07FE                         51         BR    14                                                   VERISW
```

```
LOC  OBJECT CODE    ADDR1 ADDR2  STMT   SOURCE STATEMENT                    F22NOV74  10/14/81

000074                            53          DS    0F                                VERIFY
000074 01000000                   54 EXPFUDG  DC    X'01000000'                       VERIFY
000078 02CC0000                   55          DC    X'02000000'                       VERIFY
00007C 7FFFFFFF                   56 BIGEST   DC    X'7FFFFFFF'                       VERIFY
000080 00FFFFFF                   57 BIGINT   DC    X'00FFFFFF'                       VERIFY

000084                            59 REG2SAVE DS    F                                 VERIFY
000088                            60 TEMP     DS    F                                 VERIFY
000000                            61          END   FLT16                             VERIFY
```

10/14/81

SYMBOL	LEN	VALUE	DEFN	REFERENCES						
ARG	00002	0000C4C	0C034	0028	0031					
BIGEST	00004	0000C7C	00056	0024						
BIGINT	00004	0000C8C	00057	0030						
EXPFUDG	00004	0000C74	00054	0042						
FLT16	00001	0000CC0	00012	0013	0061					
ISITBIG	00002	0000C3C	00029	0025						
ISITNEG	00002	0C0066	00045	0039						
REG2SAVE	00004	0000E4	00059	0014	0050					
RETURN	00002	00006E	00049	0021	0047					
TEMP	00004	0000C8	00060	0035	0036	0037	0040	0041	0043	0044

NO STATEMENTS FLAGGED IN THIS ASSEMBLY
STATISTICS SOURCE RECORDS (SYSIN) = 61
OPTIONS IN EFFECT LIST, NODECK, LOAD, NORENT, XREF, ACTEST, ALGN, OS, NOTERM, LINECNT = 59
83 PRINTED LINES

SYMBOL	TYPE	ID	ADDR	LENGTH	LD ID
INT16	SD	01	C0C000	000328	
BOOL16	LD		C0004A		01
IAND	LD		C0C04A		01
IOR	LD		C0C05E		01
IEOR	LD		C0C072		01
ISHIF	LD		C0C086		01
GETCMD	LD		C0C0BC		01
REV8	LD		C0C1A4		01
EXTRCT	LD		C0C190		01
ZAP	LD		C0C1BA		01
MOVE	LD		C0C1DA		01
INHIBT	LD		C0C2C2		01
ENABLE	LD		C0C2D8		01
DEPRTC	LD		C0D20F		01
PASSO	LD		C0D218		01
PCFBUF	ER	02			
PCFCOM	ER	03			
ABS	LD		000280		01
MODSEQ	LD		C0C28C		01

```
LOC  OBJECT CODE    ADDR1 ADDR2  STMT   SOURCE STATEMENT                    F22NOV74  10/14/81

                                    1 ********************************************************** VERISW
                                    2 ********************************************************** VERISW
                                    3 **  ROUTINE:      INT16                                   ** VERISW
                                    4 **                                                        ** VERISW
                                    5 **  FUNCTION:     THIS SUBROUTINE CONVERTS A 32-BIT REAL INTO A ** VERISW
                                    6 **                16-BIT INTEGER.                         ** VERISW
                                    7 **                                                        ** VERISW
                                    8 **  CALLING SEQ:  I = INT16(X)                            ** VERISW
                                    9 **                                                        ** VERISW
                                   10 ********************************************************** VERISW
                                   11 ********************************************************** VERISW
000000                             12 INT16    CSECT                                           VERISW
000000                             13          USING INT16,15                                  VERISW
000000 5810 1000          00000    14          L     1,0(,1)                                   VERISW
000004 7800 1000          00000    15          LE    0,0(,1)                                   VERISW
000008 1800                        16          SR    0,0                                       VERISW
00000A 3200                        17          LTER  0,0                                       VERISW
00000C 4780 F03A          0003A    18          BZ    RETURN                                    VERISW
000010 3020                        19          LPER  2,0                                       VERISW
000012 7920 F040          00040    20          CE    2,FORTY4                                  VERISW
000016 4720 F02E          0002E    21          BH    TOOLARG                                   VERISW
00001A 7E20 F044          00044    22          AU    2,SPZERO                                  VERISW
00001E 7020 F03C          0003C    23          STE   2,ANS                                     VERISW
000022 92C0 F03C    0003C         24          MVI   ANS,X'00'                                 VERISW
000026 5800 F03C          0003C    25          L     0,ANS                                     VERISW
00002A 47F0 F032          00032    26          B     PRERET                                    VERISW
00002E                             27 TOOLARG  DS    0H                                        VERISW
00002E 7400 F048          00048    28          LE    0,BIGINT                                  VERISW
000032                             29 PRERET   DS    0H                                        VERISW
000032 3200                        30          LTER  0,0                                       VERISW
000034 4780 F03A          0003A    31          BNM   RETURN                                    VERISW
000038 1300                        32          LCR   0,0                                       VERISW
00003A                             33 RETURN   DS    0H                                        VERISW
00003A 07FE                        34          BR    14                                        VERISW

00003C                             36 ANS      DS    F                                         VERISW
000040 447FFFFF                    37 FORTY4   DC    X'447FFFFF'                               VERISW
000044 46000000                    38 SPZERO   DC    X'46000000'                               VERISW
000048 7FFF                        39 BIGINT   DC    X'7FFF'                                   VERISW

                                   41 ********************************************************** VERISW
                                   42 ********************************************************** VERISW
                                   43 **  ROUTINE:      BOOL16                                  ** VERISW
                                   44 **                                                        ** VERISW
                                   45 **  FUNCTION:     THIS SUBROUTINE PROVIDES FOR THE FOLLOWING 16-BIT ** VERISW
                                   46 **                BOOLEAN OPERATIONS:                     ** VERISW
                                   47 **                                                        ** VERISW
                                   48 **                    IAND(A,B)                           ** VERISW
                                   49 **                    IOR (A,B)                           ** VERISW
                                   50 **                    IEOR(A,B)                           ** VERISW
```

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LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT F22.0J74 10/14/81

```
                                    51 **                    ISHIF(A,B)                    **   VERIS#
                                    52 **                                                  **   VERIS#
                                    53 ************************************************************ VERIS#
                                    54 ************************************************************ VERIS#
000004A                             55 RGOLI6  EQU   *                                          VERIS#
                                    56         ENTRY RGOLI6                                    VERIS#
                                    57         ENTRY IAND,IOR,IEOR,ISHIF                       VERIS#
000034A 58FC 1000           00000   58 IAND    L     15,0(,1)                                  VERIS#
000034E 1800                        59         SR    0,0                                       VERIS#
0000350 74C0 F000           00000   60         LS    0,0(,15)                                  VERIS#
0000354 58FC 1004           00004   61         L     15,4(,1)                                  VERIS#
0000358 64C0 F000           00000   62         XS    0,0(,15)                                  VERIS#
000035C 07FE                        63         BR    14                                        VERIS#

000035E 58FC 1000           00000   65 IOR     L     15,0(,1)                                  VERIS#
0000362 1800                        66         SR    0,0                                       VERIS#
0000364 74C0 F000           00000   67         LS    0,0(,15)                                  VERIS#
0000368 58FC 1004           00004   68         L     15,4(,1)                                  VERIS#
000036C 66C0 F000           00000   69         OS    0,0(,15)                                  VERIS#
0000370 07FE                        70         BR    14                                        VERIS#

0000372 58FC 1000           00000   72 IEOR    L     15,0(,1)                                  VERIS#
0000376 1800                        73         SR    0,0                                       VERIS#
0000378 74C0 F000           00000   74         LS    0,0(,15)                                  VERIS#
000037C 58F0 1004           00004   75         L     15,4(,1)                                  VERIS#
0000380 63C0 F000           00000   76         XS    0,0(,15)                                  VERIS#
0000384 07FE                        77         BR    14                                        VERIS#

0000386                             79         USTAG ISHIF,15                                  VERIS#
0000386 5020 F032           00038   80 ISHIF   ST    2,REG2SAVE                                VERIS#
000038A 5820 1000           00000   81         L     2,0(,1)                                   VERIS#
000038E 1800                        82         SR    0,0                                       VERIS#
0000390 74C0 2000           00000   83         LS    0,0(,2)                                   VERIS#
0000394 5820 1004           00004   84         L     2,4(,1)                                   VERIS#
0000398 74C0 2000           00000   85         LS    2,0(,2)                                   VERIS#
000039C C222                        86         LTSR  2,2                                       VERIS#
000039E 4740 F024           003AA   87         BM    RIGHTSHF                                  VERIS#
00003A2 88C0 2030           00030   88         SLL   0,0(2)                                    VERIS#
00003A6 47F0 F02A           00030   89         B     ISRET                                     VERIS#
00003AA 1322                        90 RIGHTSHF LCR   2,2                                       VERIS#
00003AC 88C0 2030           00030   91         SRL   0,0(2)                                    VERIS#
00003B0                             92 ISRET   DS    0H                                        VERIS#
00003B0 5820 F032           00038   93         L     2,REG2SAVE                                VERIS#
00003B4 07FE                        94         BR    14                                        VERIS#

00003B8                             96 REG2SAVE DS    F                                       VERIS#
                                    97 ************************************************************ VERIS#
                                    98 **THIS ROUTINE SEPARATES THE CHOSEN FIELDS                 VERIS#
                                    99 ** CALL GETCFD (CMSBUF,REC#,MFS#,ISFIT,ILLEN,PCF,FIL,RCV)  VERIS#
                                   100 **                                                         VERIS#
00003BC                            101 GETCFD  EQU   *                                          VERIS#
```

F22NOV74 10/14/81

```
 LOC  OBJECT CODE   ADDR1 ADDR2  STMT  SOURCE STATEMENT
                                 102          ENTRY  GETCMD                                  VERISW
000080                           103          USING  GETCMD,15                               VERISW
000080 9817 000C                 104          STM    1,7,12(13)                              VERISW
000084 9876 1000                 105          LM     2,6,0(1)    A(VARIABLES)                VERISW
000088 1877                      106          SR     7,7                                     VERISW
00008A 7472 00C0                 107          LS     7,0(2)      CMLBUF                      VERISW
00008E 8870 000C                 108          SRL    7,12                                    VERISW
000092 4073 0000                 109          STH    7,0(3)      ICC                         VERISW
000096 7472 0000                 110          LS     7,0(2)      CMCBUF                      VERISW
00009A 8870 0008                 111          SRL    7,8                                     VERISW
00009E 8470 000F      000000     112          NSI    7,X'000F'                               VERISW
0000A2 4074 0000                 113          STH    7,0(4)      IWE                         VERISW
                                 114 *                                                       VERISW
0000A6 4873 0000                 115          LH     7,0(3)      BOARD                       VERISW
0000AA 8870 0001      000000     116          SRL    7,1                                     VERISW
0000AE 8970 0002                 117          SLL    7,2         IBCARD=IB#                  VERISW
0000B2 4A74 0000                 118          AH     7,0(4)      WORD                        VERISW
0000B6 3A70 0001      000000     119          AHI    7,1                                     VERISW
0000BA 4C73 0000                 120          STH    7,0(3)      REG#                        VERISW
0000BE 7472 0004                 121          LS     7,4(2)      MASK IN CONTAB              VERISW
0000C2 4C74 0000                 122          STH    7,0(4)      MASK                        VERISW
0000C6 7472 0000                 123          LS     7,0(2)      CMCBUF                      VERISW
0000CA 8870 0004                 124          SRL    7,4                                     VERISW
0000CE 8470 000F      000000     125          NSI    7,X'000F'                               VERISW
0000D2 4075 0000                 126          STH    7,0(5)      ISLIT                       VERISW
0000D6 7472 0000                 127          LS     7,0(2)      CMCBUF                      VERISW
0000DA 8470 000F      000000     128          NSI    7,X'000F'                               VERISW
0000DE 4076 0000                 129          STH    7,0(6)      ICLEN                       VERISW
                                 130 *        INVERT START BIT                            VERISW
0000E2 8870 000F      000000     131          LHI    7,15                                    VERISW
0000E6 4075 0000                 132          SH     7,0(5)                                  VERISW
0000EA 4076 0000                 133          SH     7,0(6)                                  VERISW
0000EE 4075 0000                 134          STH    7,0(5)                                  VERISW
0000F2 9835 1C14                 135          LM     3,5,20(1)                               VERISW
0000F6 7472 0002                 136          LS     7,2(2)                                  VERISW
0000FA 8470 000F      000000     137          NSI    7,X'F'                                  VERISW
0000FE 4075 0000                 138          STH    7,0(5)                                  VERISW
000102 7472 0002                 139          LS     7,2(2)                                  VERISW
000106 8870 0004                 140          SRL    7,4                                     VERISW
00010A 8470 000F      000000     141          NSI    7,X'F'                                  VERISW
00010E 4074 0000                 142          STH    7,0(4)                                  VERISW
000112 7472 0002                 143          LS     7,2(2)                                  VERISW
000116 8870 0008                 144          SRL    7,8                                     VERISW
00011A 8470 00FF      000000     145          NSI    7,X'FF'                                 VERISW
00011E 4073 0000                 146          STH    7,0(3)                                  VERISW
000122 9817 000C                 147          LM     1,7,12(13)                              VERISW
000126 07FE                      148          BR     14                                      VERISW
                                 149 * CALL REVB(X,Y)                                        VERISW
000128                           150 REVB     EQU    *                                       VERISW
                                 151          ENTRY  REVB                                    VERISW
000128                           152          USING  REVB,15                                 VERISW
000128 9818 000C                 153          STM    1,8,12(13)                              VERISW
00012C 9823 1000                 154          LM     2,3,0(1)                                VERISW
000130 2844                      155          SDR    4,4                                     VERISW
000132 2866                      156          SDR    6,6                                     VERISW
```

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT F22:JV7+ 10/14/81

```
000170 4A52 0000          00000   157          LH      4,0(2)                                  VERISM
000174 9880 0CC8    0CC00         158          LM      8,0                                     VERISM
000178                            159 REVBL    EQU     *                                       VERISM
000178 9C4C 0C01          00001   160          SRDL    4,1                                     VERISM
00017C 1B75                       161          LR      7,5                                     VERISM
00017E 9060 0001          00001   162          SLDL    6,1                                     VERISM
000182 4620 FC14          00178   163          BCT     2,REVBL                                 VERISM
000186 4063 0000          00000   164          STH     6,0(3)                                  VERISM
00018A 9818 D00C          0000C   165          LM      1,8,12(13)                              VERISM
00018F 07FE                       166          BR      14                                      VERISM
                                  167 ********************************************************* VERISM
                                  168 **THIS ROUTINE SEPARATES A 16 BIT INTEGER INTO TWO BYTES,  VERISM
                                  169 **WITH BOTH BYTES RIGHT JUSTIFIED.                        VERISM
                                  170 **  CALL EXTRCT (16BITWORD,HIGHBYTE,LOWBYTE)              VERISM
                                  171 **                                                       VERISM
000190                            172 EXTRCT   EQU     *                                       VERISM
                                  173          ENTRY   EXTRCT                                  VERISM
000190                            174          USING   EXTRCT,15                               VERISM
000190 9015 0C0C          0000C   175          STM     1,5,12(13)                              VERISM
000194 9824 1000          00000   176          LM      2,4,0(1)        A(VARIABLES)            VERISM
000198 7452 C000          00000   177          LS      5,0(2)          16BITWORD               VERISM
00019C 8850 0008          00008   178          SRL     5,8                                     VERISM
0001A0 8450 00FF    0C000         179          NSI     5,X'00FF'                               VERISM
0001A4 4053 0000          00000   180          STH     5,0(3)          HIGH BYTE               VERISM
0001A8 7452 0000          00000   181          LS      5,0(2)                                  VERISM
0001AC 8450 00FF    00000         182          NSI     5,X'00FF'                               VERISM
0001B0 4054 0000          00000   183          STH     5,0(4)          LOW BYTE                VERISM
0001B4 9815 D00C          0000C   184          LM      1,5,12(13)                              VERISM
0001B8 07FE                       185          BR      14                                      VERISM
                                  186 ********************************************************* VERISM
                                  187 **THIS ROUTINE ZAPS(ZEROES) THE AREA DEFINED              VERISM
                                  188 **  CALL ZAP(AREA,SIZE)                                  VERISM
                                  189 **       SIZE IS # OF 16 BIT WORDS                       VERISM
                                  190 ********************************************************* VERISM
0001BA                            191 ZAP      EQU     *                                       VERISM
                                  192          ENTRY   ZAP                                     VERISM
0001BA                            193          USING   ZAP,15                                  VERISM
0001BA 9015 D00C          0000C   194          STM     1,5,12(13)                              VERISM
0001BE 9823 1000          00000   195          LM      2,3,0(1)        A(VARIABLES)            VERISM
0001C2 1B55                       196          SR      5,5                                     VERISM
0001C4 5843 C000          00000   197          L       4,0(3)          SIZE                    VERISM
0001C8                            198 NEXT1    EQU     *                                       VERISM
0001C8 4C52 0000          00000   199          STH     5,0(2)          ZAP WORD                VERISM
0001CC 4122 0002          00002   200          LA      2,2(2)          INC. ADDRESS            VERISM
0001D0 464C FC0E          001C8   201          BCT     4,NEXT1                                 VERISM
0001D4 9815 D00C          0000C   202          LM      1,5,12(13)                              VERISM
0001D8 07FE                       203          BR      14                                      VERISM
                                  204 ********************************************************* VERISM
                                  205 ********************************************************* VERISM
                                  206 **  MOVE(1,2,3) MOVES N NUMBER OF HALFWORDS FROM FIRST PARAMETER TO  VERISM
                                  207 **       SECOND PARAMETER                                VERISM
                                  208 **                                                       VERISM
                                  209 ********************************************************* VERISM
                                  210 ********************************************************* VERISM
0001DA                            211 MOVE     EQU     *                                       VERISM
```

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT F22NOV74 10/14/81

```
                                    212          ENTRY   MOVE                                                    VERISW
                                    213          USING   MOVE,15                                                 VERISW
000010A 9025 D00C                   214          STM     2,5,12(13)                                              VERISW
000010E 9824 1000                   215          LM      2,4,0(1)        ADDRESS OF PARAMETERS                   VERISW
0000112 1855                        216          SR      5,5                                                     VERISW
0000114 5854 0000                   217          L       5,0(4)          NUMBER                                  VERISW
0000118                             218 MOVE     EQU     *                                                       VERISW
0000118 7442 0C0C                   219          LS      4,0(2)                                                  VERISW
000011C 4043 0000                   220          STH     4,0(3)                                                  VERISW
0000120 4122 0002                   221          LA      2,2(2)                                                  VERISW
0000124 4133 0002                   222          LA      3,2(3)                                                  VERISW
0000128 4650 F00C                   223          BCT     5,MOVE                                                  VERISW
000012C 9825 D00C                   224          LM      2,5,12(13)                                              VERISW
0000130 07FE                        225          BR      14                                                      VERISW
                                    226 **********                                                               VERISW
                                    227 **   INHIBT - INHIBITS TIMER                                             VERISW
                                    228 **   ENABLE - ENABLES TIMER                                              VERISW
0000132                             229 INHIBT   EQU     *                                                       VERISW
                                    230          ENTRY   INHIBT                                                  VERISW
0000132                             231          USING   INHIBT,15                                               VERISW
0000132 80C0 F012       00214       232          SSM     NCGC                                                    VERISW
0000136 07FE                        233          BR      14                                                      VERISW
0000138                             234 ENABLE   EQU     *                                                       VERISW
                                    235          ENTRY   ENABLE                                                  VERISW
0000138                             236          USING   ENABLE,15                                               VERISW
0000138 80C0 F00E       00216       237          SSM     GC                                                      VERISW
000013C 07FE                        238          BR      14                                                      VERISW
000013E                             239 DEPRTC   EQU     *                                                       VERISW
                                    240          ENTRY   DEPRTC                                                  VERISW
000013E 4400 0000                   241          TRS     0,0,0       FUNCTION TO READ RTC                        VERISW
0000142 07FE                        242          BR      14                                                      VERISW
0000144 8004                        243 NCGC     DC      X'8004'                                                 VERISW
0000146 8104                        244 GC       DC      X'8104'                                                 VERISW
                                    245 ************************************************************************ VERISW
                                    246 **THIS ROUTINE MOVES THE DEFAULT PCF AND SPCF TABLES INTO                VERISW
                                    247 **WORKING PCF AND SPCF TABLES                                            VERISW
                                    248 **  CALL PASSO(PCSCL)                                                    VERISW
                                    249 ************************************************************************ VERISW
0000148                             250 PASSO    EQU     *                                                       VERISW
                                    251          ENTRY   PASSO                                                   VERISW
0000148                             252          USING   PASSO,15                                                VERISW
                                    253          EXTRN   PCFBUF,PCFCCM                                           VERISW
0000148 9014 D00C                   254          STM     1,4,12(13)                                              VERISW
000014C 2B22                        255          SDR     2,2                                                     VERISW
                                    256 *        MOVE IN SPCF                                                    VERISW
000014E 1420 F064       00278       257          LS      2,APTAB     A(PCFTAB)                                   VERISW
0000152 1430 F064       0027C       258          LS      3,APBUF     A(PCFBUF)                                   VERISW
0000156 92CC 3000       00000       259          MVI     0(3),X'00'  BLANK FIRST PCFBUF CHARACTER                VERISW
000015A D294 3001 20CC 00001 00000  260          MVC     1(149,3),0(3) BLANK ALL CHARS                           VERISW
0000161 8B40 CC19       00000       261          BXLE    4,5,25      25 SPCF ENTRIES                             VERISW
0000164                             262 PAS1     EQU     *                                                       VERISW
0000164 D200 3001 20CC 00001 00000  263          MVC     1(1,3),0(2) INSERT SPCF BYTE                            VERISW
0000168 4133 0002                   264          LA      3,2(3)                                                  VERISW
000016C 4122 0001                   265          LA      2,1(2)                                                  VERISW
0000170 4640 F01C       00234       266          BCT     4,PAS1                                                  VERISW
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LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT F22NOV74 10/14/81

```
                                    267 *        MOVE IN PCF                                                    VERISW
000246 5811 0000          00000     268          L     1,0(1)      A(PARM LIST)                                 VERISW
00024A 1B22                         269          SR    2,2                                                      VERISW
00024C 7421 0000          00000     270          LS    2,0(1)                                                   VERISW
000250 8B20 0001  0C000             271          SHI   2,1         FUSEL - 1                                    VERISW
000254 8C20 0032  03000             272          MHI   2,50        REL A(PCFTAB)                                VERISW
000258 4A20 FC64          0027C     273          AH    2,APTAB                                                  VERISW
00025C 8A20 0019  0C000             274          AHI   2,25        ADD IN BIAS FOR SPCF                         VERISW
000260 8B60 0032  0C000             275          LHI   4,50                                                     VERISW
000264                              276 PAS2     EQU   *                                                        VERISW
000264 D200 3001 200C 0C001 00000   277          MVC   1(1,3),0(2) INSERT PCF                                   VERISW
00026A 4133 0002          00002     278          LA    3,2(3)                                                   VERISW
00026E 4122 0001          00001     279          LA    2,1(2)                                                   VERISW
000272 4640 FC4C          00264     280          BCT   4,PAS2                                                   VERISW
000276 9814 000C          0000C     281          LM    1,4,12(13)                                               VERISW
00027A 07FE                         282          BR    14                                                       VERISW
00027C 30C0                         283 APTAB    DC    Y(PCFCOM)                                                VERISW
00027E 0000                         284 APBUF    DC    Y(PCFBUF)                                                VERISW
                                    285 *////////////////////////////////////////////////////                  VERISW
                                    286 *////////////////////////////////////////////////////                  VERISW
000280                              287 ABS      EQU   *                                                        VERISW
                                    288          ENTRY ABS                                                      VERISW
000280 5811 0000          00000     289          L     1,0(1)                                                   VERISW
000284 78C1 0000          00000     290          LE    0,0(1)                                                   VERISW
000288 30C0                         291          LPER  0,0                                                      VERISW
00028A 07FE                         292          BR    14                                                       VERISW
                                    293 ********************************************************             VERISW
                                    294 * MODSEC(ROUTINE(1),AMIO,OFFSET,ISUB)                                  VERISW
                                    295 ********************************************************             VERISW
00028C                              296 MODSEG   EQU   *                                                        VERISW
                                    297          ENTRY MODSEG                                                   VERISW
00028C                              298          USING MODSEG,15                                                VERISW
00028C 9016 D002          00002     299          STM   1,6,2(13)                                                VERISW
000290 5825 1C00          00000     300          L     2,0,0(1)    PICK UP VARIABLES                            VERISW
000294 8B60 0012  00000             301          LHI   6,18        INDEX                                        VERISW
000298                              302 MCOIL    EQU   *                                                        VERISW
000298 00C0 0000  00000             303          MVI   016,21,X'80'  SET ROUTINE INACTIVE                      VERISW
        *** ERROR ***
00029C 8B60 0C02  0C000             304          SHI   6,2                                                      VERISW
0002A0 1266                         305          LTR   6,6                                                      VERISW
0002A2 4770 FC0C          00298     306          BNZ   MCOIL       LOOP                                         VERISW
0002A6 4864 0000          00000     307          LH    6,0(4)      OFFSET                                       VERISW
0002AA A960 0001  0C000             308          OSI   6,1                                                      VERISW
0002AE 4780 FC82          003DE     309          BE    MCOEXIT                                                  VERISW
0002B2 A960 0002  0C000             310          OSI   6,2                                                      VERISW
0002B6 4770 FC52          002DC     311          BNE   MCO31                                                    VERISW
0002BA                              312 MCO21    EQU   *                                                        VERISW
0002BA 9200 2004  0C004             313          MVI   4(2),X'00'  ESACTL=ON                                   VERISW
0002BE 9200 2002  0C002             314          MVI   2(2),X'00'  ESASTL=ON                                   VERISW
0002C2 4863 0000          00000     315          LH    6,0(3)      AMIO?                                        VERISW
0002C6 A960 0003  0C000             316          OSI   6,3                                                      VERISW
0002CA 4770 FC82          003DE     317          BNE   MCOEXIT                                                  VERISW
0002CE 9200 2006  0C006             318          MVI   6(2),X'00'  ESACTL2=ON                                  VERISW
0002D2 92EC 2002  0C002             319          MVI   2(2),X'80'  ESASTL=OFF                                  VERISW
0002D6 9200 200E  0C00E             320          MVI   14(2),X'00' ESASLI=ON                                    VERISW
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LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT F22K0V/M 10/14/81

```
000292 47F0 F082          00030E   321          B       MCOCXIT                                    VER15M
0002DE                             322 MC031    EQU     *                                          VER15M
0002DE A540 0003    000000         323          CSI     6,3                                        VER15M
0002E2 4770 F06A          002F6    324          BNE     MC041                                      VER15M
0002E6 92C0 2008    000008         325          MVI     8(2),X'00'      MPDOFF=ON                  VER15M
0002EA 92C0 200A    00000A         326          MVI     10(2),X'00'     MPDINT=ON                  VER15M
0002EE 9200 200C    00000C         327          MVI     12(2),X'00'     MFVPON='ON                 VER15M
0002F2 47F0 F082          00030E   328          B       MCOCXIT                                    VER15M
0002F6                             329 MC041    EQU     *                                          VER15M
0002F6 A540 0004    000000         330          CSI     6,4                                        VER15M
0002FA 4770 F082          00030E   331          BNE     MCOCXIT                                    VER15M
0002FE 92C0 2008    000008         332          MVI     8(2),X'00'      MPDOFF=ON                  VER15M
000302 92C0 200A    00000A         333          MVI     10(2),X'00'     MPDING=ON                  VER15M
000306 92C0 200C    00000C         334          MVI     12(2),X'00'     MFVPON=ON                  VER15M
00030A 47F0 F02F          002BA    335          B       MCO2L                                      VER15M
00030E                             336 MODEXIT  EQU     *                                          VER15M
00030E 4863 0000          00000    337          LH      6,0(3)          A4EC7                      VER15M
000312 A960 0001    000000         338          CST     6,1                                        VER15M
000316 4770 FC96          00322    339          BNE     MCCOUT                                     VER15M
00031A 92BC 2002    000002         340          MVI     2(2),X'BC'      EBASET=OFF                 VER15M
00031E 92BC 200E    00000E         341          MVI     14(2),X'BC'     EBASET=OFF                 VER15M
000322                             342 MCOCOUT  EQU     *                                          VER15M
000322 9816 0C0C          0000C    343          LM      1,6,12(13)                                 VER15M
000326 07FE                        344          BR      14                                         VER15M
                                   345          END                                                VER15M
```

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POS.ID	REL.ID	FLAGS	ADDRESS
01	02	04	000278
01	03	04	000270

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SYMBOL	LEN	VALUE	DEFN	REFERENCES
ABS	00001	000280	00287	0288
ANS	00004	000036	00036	0023 0024 0025
APBUF	00002	000278	00284	0258
APTAB	00002	000270	00283	0257 0273
BIGINT	00002	000048	00039	0028
BOOL16	00001	000040	00055	0056
DEPRTC	00001	000200	00239	0240
ENABLE	00001	000208	00234	0235 0236
EXITPCT	00001	000190	00172	0173 0174
FORTY4	00004	000040	00037	0020
GETCMD	00001	000080	00101	0102 0103
GO	00002	000216	00244	0237
IAND	00004	000040	00058	0057
IEOR	00004	000072	00072	0057
INHIBT	00001	000202	00229	0230 0231
INT16	00001	000000	00012	0013
IOR	00004	000005	00065	0057
ISHIF	00004	000066	00080	0057 0079
ISHRET	00002	000080	00092	0089
MODEXIT	00001	000300	00336	0309 0317 0321 0328 0331
MODOUT	00001	000322	00342	0339
MODSEQ	00001	000280	00296	0297 0298
MOD11	00001	000298	00302	0306
MOD21	00001	000200	00312	0335
MOD31	00001	000200	00322	0311
MOD41	00001	000200	00329	0324
MOVE	00001	000100	00211	0212 0213
MOV1	00001	000188	00218	0223
NEXT1	00001	000106	00198	0201
NOGO	00002	000214	00243	0232
PASS0	00001	000210	00250	0251 0252
PAS1	00001	000224	00262	0266
PAS2	00001	000264	00276	0280
PCFBUF	00001	000000	00253	0284
PCFCOM	00001	000000	00253	0283
PRERET	00002	000022	00029	0026
REG2SAVE	00004	000008	00096	0080 0093
RETURN	00002	000030	00033	0018 0031
REV8	00001	000164	00150	0151 0152
REV81	00001	000178	00159	0163
RIGHTSHF	00002	000000	00090	0087
SPZERO	00004	000044	00038	0022
TOOLARG	00002	000020	00027	0021
ZAP	00001	000180	00191	0192 0193

STMT ERROR CODE MESSAGE 10/14/81

IEU046 AT LEAST ONE RELOCATABLE Y-TYPE CONSTANT IN ASSEMBLY
303 IEJ039 NEAR OPERAND COLUMN 4--INVALID DELIMITER

1 STATEMENT FLAGGED IN THIS ASSEMBLY
12 HAS HIGHEST SEVERITY CODE
STATISTICS SOURCE RECORDS (SYSIN) = 345
OPTIONS IN EFFECT LIST, NODECK, LOAD, NORENT, XREF, NOTEST, ALGN, OS, NOTERM, LINECNT = 55
437 PRINTED LINES

EXTERNAL SYMBOL DICTIONARY

SYMBOL	TYPE	ID	ADDR	LENGTH	LD ID
SIN	SD	01	CC0000	000124	
COS	LD		CC0010		01
TAN	LD		CC0030		01

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT		F22NOV74 10/14/81
000000				1 SIN	CSECT		VERISW
000000				2	USING	SIN,15	VERISW
000000	90EC D00C		0000C	3	STM	14,12,12(13)	VERISW
000004	5811 0000		00000	4	L	1,0(1)	VERISW
000008	78C1 0000		00000	5	LE	0,0(1)	VERISW
00000C	7000 F0FC		000FC	6	STE	0,ANGL	VERISW
000010	41C0 FC90		00090	7	LA	12,CCM	VERISW
000014	05EC			8	BALR	14,12	VERISW
000016	98EC D00C		0000C	9	LM	14,12,12(13)	VERISW
00001A	07FE			10	BR	14	VERISW
00001C				11 COS	EQU	*	VERISW
				12	ENTRY	COS	VERISW
00001C				13	USING	COS,15	VERISW
00001C	90EC D00C		000CC	14	STM	14,12,12(13)	VERISW
000020	5811 0000		00000	15	L	1,0(1)	VERISW
000024	7800 F0F0		000C0	16	LE	C,P90	VERISW
000028	78C1 0000		00000	17	SE	0,0(1)	VERISW
00002C	7000 F0F0		000FC	18	STE	0,ANGL	VERISW
000030	41C0 FC74		00090	19	LA	12,CCM	VERISW
000034	05EC			20	BALR	14,12	VERISW
000036	98EC D00C		0000C	21	LM	14,12,12(13)	VERISW
00003A	07FE			22	BR	14	VERISW
00003C				23 TAN	EQU	*	VERISW
				24	ENTRY	TAN	VERISW
00003C				25	USING	TAN,15	VERISW
00003C	90EC D00C		0000C	26	STM	14,12,12(13)	VERISW
000040	5811 0000		00000	27	L	1,0(1)	VERISW
000044	78C1 0000		00000	28	LE	0,0(1)	VERISW
000048	7000 F0F0		000FC	29	STE	0,ANGL	VERISW
00004C	41C0 FD54		00090	30	LA	12,CCM	VERISW
000050	05EC			31	BALR	14,12	VERISW
000052	7000 F0C8		00104	32	STE	0,SINANGL	VERISW
000056	7800 F0D0		00100	33	LE	0,P90	VERISW
00005A	78C0 F0F0		000FC	34	SE	0,ANGL	VERISW
00005E	7000 F0F0		000FC	35	STE	0,ANGL	VERISW
000062	05EC			36	BALR	14,12	VERISW
000064	7000 F0CC		00108	37	STE	0,COSANGL	VERISW
000068	3200			38	LTER	0,0	VERISW
00006A	4770 FC46		00082	39	BNZ	TAN1	VERISW
00006E	78C0 F0C4		00120	40	LE	0,FPMAX	VERISW
000072	7920 F0C8		00104	41	CE	2,SINANGL	VERISW
000076	3222			42	LTER	2,2	VERISW
000078	4720 FC4E		0008A	43	BP	TAN2	VERISW
00007C	3300			44	LCER	0,0	VERISW
00007E	47F0 FC4E		0008A	45	B	TAN2	VERISW
000082				46 TAN1	EQU	*	VERISW
000082	7800 F0C8		00104	47	LE	C,SINANGL	VERISW
000086	7000 F0CC		00108	48	DE	C,COSANGL	VERISW
00008A				49 TAN2	EQU	*	VERISW
00008A	98EC D00C		000CC	50	LM	14,12,12(13)	VERISW
00008E	07FE			51	BR	14	VERISW
				52 *			VERISW
				53 *			VERISW
000090				54 CCM	EQU	*	VERISW
000090				55	USING	CCM,12	VERISW

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LOC  OBJECT CODE    ADDR1 ADDR2  STMT  SOURCE STATEMENT                                  FORTRAN 77  V2.1.0 (11
                                   96 *                                                                  VERISW
000090 7820 C0FC              00FFC  97          LE      2,ANGL          ANGLE                           VERISW
000094                             98 COM1      EQU     *                                               VERISW
000094 7920 C000              00110  99          CE      2,P90                                           VERISW
000098 4830 C014              00018 100          BNL     COM2                                            VERISW
00009C 7A20 C03C              00110 101          AE      2,P360                                          VERISW
0000A0 47F0 C004              00004 102          B       COM1                                            VERISW
0000A4                             103 COM2      EQU     *                                               VERISW
0000A4 7920 C07C              00100 104          CE      2,P90           IS ANGLE?                       VERISW
0000A8 4770 C034              00034 105          BNE     COM4                                            VERISW
0000AC 7920 C083              00118 106          CE      2,P270                                          VERISW
0000B0 4770 C02C              0098C 107          BNH     COM3                                            VERISW
0000B4 7B20 C03C              00110 108          SE      2,P360                                          VERISW
0000B8 47F0 C014              000A4 109          B       COM2                                            VERISW
0000BC                             110 COM3      EQU     *                                               VERISW
0000BC 7BC0 C084              00114 111          LE      3,P180                                          VERISW
0000C0 3B02                   00114 112          SER     0,2                                             VERISW
0000C2 3820                   00114 113          LER     2,0                                             VERISW
0000C4                             114 COM4      EQU     *                                               VERISW
                                   115 *                          COMPUTE COM OF ANGLE                 VERISW
0000C4 7D20 C07C              00100 116          DE      2,P90                                           VERISW
0000C8 7D20 C070              00100 117          STE     2,X                                             VERISW
0000CC 3C22                   00100 118          MER     2,2                                             VERISW
0000CE 7BC0 C06B              000FB 119          LE      0,C7                                            VERISW
0000D2 3C02                   00100 120          MER     0,2             C7*A**2                         VERISW
0000D4 7A00 C064              000F4 121          AE      0,C5            C5+C7*A**2                      VERISW
0000D8 3C02                   00100 122          MER     0,2             C5*A**2+C7*A**4                 VERISW
0000DA 7AC0 C060              000F0 123          AE      0,C3            C3+C5*A**2+C7*A**4              VERISW
0000DE 3C02                   00100 124          MER     0,2             C3*A**4+C5*A**4+C7*A**6         VERISW
0000E0 7AC0 C05C              000EC 125          AE      0,C1            C1+C3*A**2+C5*A**4+C7*A**6      VERISW
0000E4 7C00 C070              00100 126          ME      0,X                                             VERISW
                                   127 *                                                                 VERISW
0000E8 07FE                   00100 128          BR      14                                              VERISW
                                   129 *                                                                 VERISW
0000EA 0000                        130 C1        DC      E'1.570794352'                                  VERISW
0000EC 411921FA                    131 C3        DC      E'-.645920978'                                  VERISW
0000F0 C0A55B14                    132 C5        DC      E'.079487663'                                   VERISW
0000F4 40145545                    133 C7        DC      E'-.004362476'                                  VERISW
0000F8 BF11DE63                    134 ANGL      DC      E'0.0'                                          VERISW
0000FC 00C00000                    135 X DC      E'0.0'                                                  VERISW
000100 00C00000                    136 SINANGL   DC      E'0.0'                                          VERISW
000104 00C00000                    137 COSANGL   DC      E'0.0'                                          VERISW
000108 00C00000                    138 P90       DC      E'90.0'                                         VERISW
00010C 425A0000                    139 M90       DC      E'-90.0'                                        VERISW
000110 C25A0000                    140 P180      DC      E'180.0'                                        VERISW
000114 43340000                    141 P270      DC      E'270.0'                                        VERISW
000118 43B40000                    142 P360      DC      E'360.0'                                        VERISW
00011C 43168000                    143 PPMAX     DC      X'7FFFFFFF'                                     VERISW
000120 7FFFFFFF                    144           END                                                     VERISW
```

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SYMBOL	LEN	VALUE	DEFN	REFERENCES
ANGL	00004	0000C6	0C094	0004 0018 0029 0034 0035 0057
C04	00001	0000E0	0C054	0007 0019 0050 0053
COM1	00001	0000E4	0C058	0062
COM2	00001	0000A4	0C068	006C 0069
COM3	00001	0000BC	0C070	0067
COM4	00001	0000C4	0C074	0065
COS	00001	0001CC	0C011	0012 0013
COSANGL	00004	0001C8	0C097	0037 0043
C1	00004	0000CC	0C090	0045
C3	00004	0000FC	0C091	0CB2
C5	00004	0000F4	0C092	0081
C7	00004	0000FB	0C093	0C79
FPMAX	00004	0001C0	0C103	0040
M90	00004	0001B8	0C099	0055
P180	00004	0001B4	0C100	0071
P270	00004	0001B8	0C101	0066
P360	00004	0001BC	0C102	0C61 0068
P90	00004	0001C0	0C098	0016 0033 0064 0076
SIN	00001	0000C0	0C001	0002
SINANGL	00004	0001C4	0C096	0032 0041 0047
TAN	00001	0000BC	00023	0024 0025
TAN1	00001	0001E2	0C046	0039
TAN2	00001	0000EA	0C049	0043 0045
X	00004	0001C0	0C095	0077 0C36

NO STATEMENTS FLAGGED IN THIS ASSEMBLY
STATISTICS SOURCE RECORDS (SYSIN) = 104
OPTIONS IN EFFECT LIST, NODECK, LOAD, NORENT, XREF, ATTEST, ALGN, OS, NOTERM, LINECNT = 55
145 PRINTED LINES

EXTERNAL SYMBOL DICTIONARY

13.37 10/14/61

SYMBOL	TYPE	ID	ADDR.	LENGTH	LD ID
ARCTAN	SD	01	000000	000090	

```
 LOC  OBJECT CODE    ADDR1 ADDR2  STMT   SOURCE STATEMENT                    F22RJV74  10/14/81
000000                              1 ARCTAN  CSECT                                        VERIS4
000000                              2         USING *,15                                   VERIS4
000000 5010 0018              0018  3         ST    1,24(13)                               VERIS4
000004 5811 0000              0000  4         L     1,0(1)                                 VERIS4
000008 7801 0000              0000  5         LE    0,0(1)                                 VERIS4
00000C 3820                         6         LER   2,0            VALUE                  VERIS4
00000E 3062                         7         LPER  6,2                                    VERIS4
000010 7960 F074              0074  8         CE    6,FPSMALL                              VERIS4
000014 4740 F056              0056  9         BL    ATAN3                                  VERIS4
000018 7960 F088              0088 10         CE    6,CNE                                  VERIS4
00001C 4700 F030              0030 11         BNH   ATAN1                                  VERIS4
000020 7820 F088              0088 12         LE    2,CNE                                  VERIS4
000024 3020                        13         LER   2,0                                    VERIS4
000026 3802                        14         LER   0,2                                    VERIS4
000028 79C0 F098              0098 15         CE    0,FPLARGE                              VERIS4
00002C 4720 F056              0056 16         BH    ATAN3                                  VERIS4
000030                             17 ATAN1   EQU   *                                      VERIS4
000030 3C22                        18         MER   2,2            VAL**2                 VERIS4
000032 7840 F084              0084 19         LE    4,C11                                  VERIS4
000036 3C42                        20         MER   4,2                                    VERIS4
000038 7A40 F080              0080 21         AE    4,C9                                   VERIS4
00003C 3C42                        22         MER   4,2                                    VERIS4
00003E 7A40 F07C              007C 23         AE    4,C7                                   VERIS4
000042 3C42                        24         MER   4,2                                    VERIS4
000044 7A40 F078              0078 25         AE    4,C5                                   VERIS4
000048 3C42                        26         MER   4,2                                    VERIS4
00004A 7A40 F074              0074 27         AE    4,C3                                   VERIS4
00004E 3C42                        28         MER   4,2                                    VERIS4
000050 7A40 F070              0070 29         AE    4,C1                                   VERIS4
000054 3CC4                        30         MER   0,4                                    VERIS4
000056                             31 ATAN3   EQU   *                                      VERIS4
000056 7CC0 F090              0090 32         ME    0,RADIAN                               VERIS4
00005A 7960 F088              0088 33         CE    6,CNE                                  VERIS4
00005E 4700 F06A              006A 34         BNH   ATAN2                                  VERIS4
000062 7820 F08C              008C 35         LE    2,P90                                  VERIS4
000066 3820                        36         SER   2,0                                    VERIS4
000068 3802                        37         LER   0,2                                    VERIS4
00006A                             38 ATAN2   EQU   *                                      VERIS4
00006A                             39 ATAN4   EQU   *                                      VERIS4
00006A 5810 0018              0018 40         L     1,24(13)                               VERIS4
                                   41 *                                                   VERIS4
00006E 07FE                        42         BR    14                                     VERIS4
000070 40FFFF82                    43 C1      DC    E'.09997726'                           VERIS4
000074 C055260C                    44 C3      DC    E'-.33262347'                          VERIS4
000078 40318C10                    45 C5      DC    E'.19354346'                           VERIS4
00007C C010CEEB                    46 C7      DC    E'-.11643287'                          VERIS4
000080 3FC7AB02                    47 C9      DC    E'.07426522'                           VERIS4
000084 BF3CC292                    48 C11     DC    E'-.01172120'                          VERIS4
000088 411CC000                    49 CNE     DC    E'1.0'                                 VERIS4
00008C 425AC000                    50 P90     DC    E'90.0'                                VERIS4
000090 42548DB8                    51 RADIAN  DC    E'57.295779'                           VERIS4
000094 3E130165                    52 FPSMALL DC    E'0.00027'                             VERIS4
000098 43C60B33                    53 FPLARGE DC    E'396.7'                               VERIS4
                                   54         END                                         VERIS4
```

10/14/81

SYMBOL	LEN	VALUE	DEFN	REFERENCES
ARCTAN	00001	00000C	00001	0002
ATAN1	00001	00003C	00017	0011
ATAN2	00001	00006A	00038	0034
ATAN3	00001	000056	00031	0009 C016
ATAN4	00001	00006A	00039	
C1	00004	0000C7C	00043	0029
C11	00004	0000E4	00048	0019
C3	00004	0000E4	00044	0027
C5	00004	0000E8	00045	0025
C7	00004	0000EC	00046	0023
C9	00004	0000F0	00047	0021
FPLARGE	00004	000093	00053	0015
FPSMALL	00004	000054	00052	0008
ONE	00004	0000DE	00049	0010 0012 0033
P90	00004	0000FC	00050	0035
RADIAN	00004	000090	00051	0032

NO STATEMENTS FLAGGED IN THIS ASSEMBLY
STATISTICS SOURCE RECORDS (SYSIN) = 54
OPTIONS IN EFFECT LIST, NODECK, LOAD, NORENT, XREF, NOTEST, ALGN, OS, NOTERM, LINECNT = 55
82 PRINTED LINES

SYMBOL	TYPE	ID	ADDR	LENGTH	LD ID
ROOT	SD	01	000000	000E98	

```
LOC  OBJECT CODE   ADDR1 ADDR2  STMT  SOURCE STATEMENT                    F2.7NOV79  10/14/81
000000                          1 ROOT   CSECT                                              VERIS#
                                2 *                                                         VERIS#
                                3 *  THIS REAL*8 FUNCTION CALCULATES X**Y BY 10**(Y*ALOG10(X))  VERIS#
                                4 *                                                         VERIS#
000000                          5        USING  FCOT,15                                     VERIS#
000000 9013 D018        00018   6        STM    1,3,24(13)                                  VERIS#
000004 5823 1000        00000   7        L      2,0(1)                                      VERIS#
                                8 *                                                         VERIS#
                                9 *  CALCULATE ALOG10(X)                                    VERIS#
                               10 *                                                         VERIS#
000008 78C0 F0C0        000C0  11 ALOG10  LE     0,HALF      INITIALIZE LOG VALUE          VERIS#
00000C 7822 0000        00000  12        LE     2,0(2)      X                             VERIS#
000010 3222                    13        LTLR   2,2         X MUST BE POSITIVE            VERIS#
000012 4780 F088        00088  14        BZ     L61                                       VERIS#
000016 4720 F01C        0001C  15        BP     L1                                        VERIS#
00001A 3022                    16        LPER   2,2         X=0 CHANGE SIGN               VERIS#
                               17 *                                                         VERIS#
                               18 *  SCALE X SO THAT 1<=X<=10                              VERIS#
                               19 *                                                         VERIS#
00001C 7920 F0C4        000C4  20 L1     CE     2,ONE                                     VERIS#
000020 4730 F030        00030  21        BHL    L2                                        VERIS#
                               22 *                                                         VERIS#
                               23 *  X<1 MULTIPLY BY 10 AND SUBTRACT 1 FROM LOG VALUE      VERIS#
                               24 *                                                         VERIS#
000024 7C20 F0C8        000C8  25        ME     2,TEN                                     VERIS#
000028 78C0 F0C4        000C4  26        SE     0,ONE                                     VERIS#
00002C 47F0 F01C        0001C  27        B      L1          COMPARE AGAIN                 VERIS#
                               28 *                                                         VERIS#
                               29 *  CHECK X>10                                            VERIS#
                               30 *                                                         VERIS#
000030 7920 F0C8        000C8  31 L2     CE     2,TEN                                     VERIS#
000034 4700 F044        00044  32        BNHT   L3                                        VERIS#
                               33 *                                                         VERIS#
                               34 *  X>10 -- DIVIDE BY 10 AND ADD 1 TO LOG VALUE           VERIS#
                               35 *                                                         VERIS#
000038 7020 F0C8        000C8  36        DE     2,TEN                                     VERIS#
00003C 7AC0 F0C4        000C4  37        AE     0,ONE                                     VERIS#
000040 47FC F030        00030  38        J      L2          COMPARE AGAIN                 VERIS#
                               39 *                                                         VERIS#
                               40 *  CALCULATE (X-SQRT(10))/(X+SQRT(10))                   VERIS#
                               41 *                                                         VERIS#
000044 3862                    42 L3     LER    6,2         X                             VERIS#
000046 7860 F0CC        000CC  43        SE     6,SQRT10    X-SQRT(10)                    VERIS#
00004A 7A20 F0CC        000CC  44        AE     2,SQRT10    X+SQRT(10)                    VERIS#
00004E 3062                    45        DER    6,2         ((X-SQRT(10))/(X+SQRT(10))    VERIS#
000050 3826                    46        LER    2,6                                       VERIS#
000052 3C22                    47        MER    2,2         ((X-SQRT(10))/(X+SQRT(10)))**2  VERIS#
                               48 *                                                         VERIS#
                               49 *  ALOG10(X)=.5*C1*Z+C3*Z**3     WHERE:                  VERIS#
                               50 *       Z = (X-SQRT(10))/(X+SQRT(10))                    VERIS#
                               51 *                                                         VERIS#
000054 7840 F0D4        000D4  52        LE     4,C2                                      VERIS#
000058 3C42                    53        MER    4,2                                       VERIS#
00005A 7A40 F0D0        000D0  54        AE     4,C1                                      VERIS#
00005E 3C46                    55        MER    4,6         C1*Z+C3*Z**3                  VERIS#
```

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT FZZHOV7. 10/14/81

```
000060 3A40                          56          AER     4,0                                    VERISM
                                     57 *                                                       VERISM
                                     58 *  FETCH Y                                              VERISM
                                     59 *                                                       VERISM
000062 7C43 000C             00000   60          ME      4,0(3)                                 VERISM
                                     61 *                                                       VERISM
                                     62 *  THIS SECTION CALCULATES 10**(Y*ALOG10(X)) WITH       VERISM
                                     63 *  0<=Y*ALOG10(X)<=1                                    VERISM
                                     64 *                                                       VERISM
                                     65 *  10**Z=(1+A1*Z+A2*Z**2+A3*Z**3+A4*Z**4,  Z=Y*ALOG10(X) VERISM
                                     66 *                                                       VERISM
000066 0820 0002             00000   67          LHI     2,2                                    VERISM
00006A 0830 0C01             00000   68          LHI     3,1                                    VERISM
00006E 3244                          69          LTER    4,4                                    VERISM
000070 4720 F07A             00074   70          BP      L4                                     VERISM
                                     71 *                                                       VERISM
                                     72 *  Y*ALOG10(X)<0 -- MAKE POSITIVE AND GET 1/ANSWER      VERISM
                                     73 *                                                       VERISM
000074 4120 0C01             00001   74          LA      2,1         SET RECIPROCAL FLAG        VERISM
000078 3044                          75          LPER    4,4         Y*ALOG10(X)>0              VERISM
00007A 7940 F0C4             000C4   76 L4       CE      4,ONE       IS X<=1?                   VERISM
00007E 4700 F08C             000BC   77          BNH     L5          SI                         VERISM
                                     78 *                                                       VERISM
                                     79 *  ALOG10(X)>1 -- DIVIDE BY Z AND SQUARE ANSWER AT END  VERISM
                                     80 *                                                       VERISM
000082 3444                          81          HER     4,4                                    VERISM
000084 4133 0001             00001   82          LA      3,1(3)      INCREMENT SQUARE COUNT     VERISM
000088 47F0 F07A             00074   83          B       L4          CHECK AGAIN                VERISM
                                     84 *                                                       VERISM
                                     85 *  0<=Z<=1 -- Z IS A SCALED Y*ALOG10(X)                 VERISM
                                     86 *                                                       VERISM
00008C 78C0 F0E4             000E4   87 L5       LE      0,A4        A4*Z                       VERISM
000090 3C04                          88          MER     0,4                                    VERISM
000092 7AC0 F0F0             000E0   89          AE      0,A3        A3+A4*Z                    VERISM
000096 3C04                          90          MER     0,4         (A3+A4*Z)*Z                VERISM
000098 7AC0 F0DC             000DC   91          AE      0,A2        A2+(A3+A4*Z)*Z             VERISM
00009C 3C04                          92          MER     0,4         (A2+(A3+A4*Z)*Z)*Z         VERISM
00009E 7AC0 F0D8             000D8   93          AE      0,A1        A1+(A2+(A3+A4*Z)*Z)*Z      VERISM
0000A2 3C04                          94          MER     0,4         (A1+(A2+(A3+A4*Z)*Z)*Z     VERISM
0000A4 7AC0 F0C4             000C4   95          AE      0,ONE       SQRT(10**Z)                VERISM
0000A8 3CC0                          96 L6       MER     0,0                                    VERISM
                                     97 *                                                       VERISM
                                     98 *  CHECK SCALE                                          VERISM
                                     99 *                                                       VERISM
0000AA 4630 F0AP             000AB  100          BCT     3,L6        IF R3<>0 THEN SQUARE NUMBER VERISM
0000AE 4620 F0BA             000BA  101          BCT     2,L7        IF REG2=0 THEN NO RECIPROCAL VERISM
0000B2 7820 F0C4             000C4  102          LE      2,ONE                                  VERISM
0000B6 3032                         103          DER     2,0         1/ANSWER                   VERISM
0000B8                              104 L61      ZDU     *                                      VERISM
0000B8 3802                         105          LDR     0,2         X**Y                       VERISM
                                    106 *                                                       VERISM
                                    107 *  RETURN                                               VERISM
                                    108 *                                                       VERISM
0000BA 9812 D01C             000IC  109 L7       LM      1,3,28(13)  RESTORE REGISTERS         VERISM
0000BE 07FE                         110          BR      14                                     VERISM
```

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT		F22NOV74 10/14/81
				111	*		VERISW
				112	* CONSTANTS		VERISW
				113	*		VERISW
0000C0	408C0000			114 HALF	DC	E'.5'	VERISW
0000C4	41100000			115 ONE	DC	E'1.0'	VERISW
0000C8	41A00000			116 TEN	DC	E'10.0'	VERISW
0000CC	41329B01			117 SQRT10	DC	E'3.162278'	VERISW
				118	*		VERISW
				119	* CONSTANTS FOR ALOG10 FROM HASTINGS		VERISW
				120	*		VERISW
0000D0	40DCF030			121 C1	DC	E'0.86304'	VERISW
0000D4	4059D8EF			122 C2	DC	E'0.36415'	VERISW
				123	*		VERISW
				124	* CONSTANTS FOR 10**(Y*ALOG10(X)) FROM HASTINGS		VERISW
				125	*		VERISW
0000D9	41126E12			126 A1	DC	E'1.1499196'	VERISW
0000DC	40AD6C34			127 A2	DC	E'0.6774323'	VERISW
0000E0	40353FAF			128 A3	DC	E'0.208003'	VERISW
0000E4	4020768C			129 A4	DC	E'0.1268089'	VERISW
000000				130	END	RCDT	VERISW

SYMBOL	TYPE	VALUE	DEFN	REFERENCES					
ALOGLD	00004	00000C	00011						
A1	00004	000008	00126	0053					
A2	00004	00000C	00127	0061					
A3	00004	000010	00128	0069					
A4	00004	000014	00129	0087					
C1	00004	000000	00121	0054					
C2	00004	000004	00122	0062					
HALF	00004	000008	00114	0011					
L1	00004	000018	00020	0015	0027				
L2	00004	000030	00031	0021	0038				
L3	00002	000044	00042	0032					
L4	00004	00004A	00076	0070	0043				
L5	00004	000058	00017	0077					
L6	00002	000064	00096	0100					
L61	00001	000068	00104	0014					
L7	00004	00006A	00109	0101					
ONE	00004	000004	00115	0020	0026	0037	0076	0095	0102
ROOT	00001	000000	00001	0085	0130				
SORTID	00004	000000	00117	0043	0044				
TEN	00004	000008	00116	0025	0031	0036			

NO STATEMENTS FLAGGED IN THIS ASSEMBLY
STATISTICS SOURCE RECORDS (SYSIN) = 130
OPTIONS IN EFFECT LIST, NODECK, LOAD, NORENT, XREF, NOTEST, ALGN, OS, NOTERM, LINECNT = 55
166 PRINTED LINES

SYMBOL	TYPE	ID	ADDR	LENGTH	LD ID
GARBAG	SD	01	CCOCCO	000002	
SHMASK	LD		CCCOOO		01
PITS	LD		CCOOCO		01

10/14/81

SYMBOL	LEN	VALUE	DEFN	REFERENCES
GARBAG	00001	000000	00001	
PITS	00001	000000	00004	0005
SUMASK	00001	000000	00002	0003

NO STATEMENTS FLAGGED IN THIS ASSEMBLY
STATISTICS SOURCE RECORDS (SYSIN) = 5
OPTIONS IN EFFECT LIST, NOOLCK, LOAD, NORENT, XREF, NOTEST, ALGN, OS, NOTERM, LINECNT = 55
24 PRINTED LINES

SYMBOL	TYPE	ID	ADDR	LENGTH	LD ID
FDTCOB	SD	01	000000	000164	
FDTTAB	LD		000000		01

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT 12:06:44 10/14/81

```
000000                    1 FC_IOCM  CSECT
000000                    2 FCMTAB   I/O  *
                          3          ENTRY   FCMTAB
000000 FA01               4          DC      X'FA01'      ---> FUN1 (CFD) **********
000002 0001               5          DC      X'0001'
000004 F203               6          DC      X'F203'        CFD
000006 0000               7          DC      X'0000'          T=0
000008 F300               8          DC      X'F300'        60 SECS TO PWROFF
00000A 01A4               9          DC      X'01A4'          T+420
00000C F416              10          DC      X'F416'        PWR-OFF
00000E 01E0              11          DC      X'01E0'          T+480
000010 FAFE              12          DC      X'FAFE'
000012 FA02              13          DC      X'FA02'      ---> FUN2 (  T-1) **********
000014 0002              14          DC      X'0002'
000016 F000              15          DC      X'F000'        ISO LOA
000018 F538              16          DC      X'F538'          T=2760 (46 MIN)
00001A F217              17          DC      X'F217'        NODE 0
00001C 0000              18          DC      X'0000'          T=0
00001E F218              19          DC      X'F218'        NODE 1
000020 0078              20          DC      X'0078'          T+120
000022 F219              21          DC      X'F219'        NODE 2
000024 00F0              22          DC      X'00F0'          T+240
000026 F21A              23          DC      X'F21A'        NODE 3
000028 0168              24          DC      X'0168'          T+360
00002A F21B              25          DC      X'F21B'        NODE 4
00002C 021C              26          DC      X'021C'          T+540
00002E F21C              27          DC      X'F21C'        NODE 5
000030 02D0              28          DC      X'02D0'          T+720
000032 F300              29          DC      X'F300'        60 SECS POWER OFF
000034 0564              30          DC      X'0564'          T+1380
000036 F416              31          DC      X'F416'        PWR-OFF
000038 05A0              32          DC      X'05A0'          T+1440
00003A FAFE              33          DC      X'FAFE'
00003C FAC3              34          DC      X'FAC3'      ---> FUN3 (  T-2) **********
00003E 0003              35          DC      X'0003'
000040 F002              36          DC      X'F002'        ISO HPO-TT
000042 FED4              37          DC      X'FED4'          T-300
000044 F21D              38          DC      X'F21D'        NODE 0
000046 0000              39          DC      X'0000'          T=0
000048 F21E              40          DC      X'F21E'        NODE 1
00004A 00BE              41          DC      X'00BE'          T+190
00004C F300              42          DC      X'F300'        60 SECS POWER OFF
00004E 01A4              43          DC      X'01A4'          T+420
000050 F416              44          DC      X'F416'        PWR-OFF
000052 01E0              45          DC      X'01E0'          T+480
000054 FAFE              46          DC      X'FAFE'
000056 FA04              47          DC      X'FA04'      ---> FUN4 (  T-3) **********
000058 0004              48          DC      X'0004'
00005A F031              49          DC      X'F031'        ISO LOA-HPO
00005C FDA8              50          DC      X'FDA8'          T-600
00005E F21F              51          DC      X'F21F'        NODE 0
000060 0000              52          DC      X'0000'          T=0
000062 F220              53          DC      X'F220'        NODE 1
000064 00F0              54          DC      X'00F0'          T+240
000066 F221              55          DC      X'F221'        NODE 2
```

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT F28V76 10/14/81

```
000068 01E0          36          DC    X'01E0'      T+480                    VERISW
00006A F222          37          DC    X'F222'      NODE 3                   VERISW
00006C 0260          38          DC    X'0260'      T+720                    VERISW
00006E F300          39          DC    X'F300'      60 SECS POWER OFF        VERISW
000070 0384          40          DC    X'0384'      T+900                    VERISW
000072 F416          41          DC    X'F416'      PWR-OFF                  VERISW
000074 03C0          42          DC    X'03C0'      T+960                    VERISW
000076 FAFE          43          DC    X'FAFE'                               VERISW
000078 FA05          44          DC    X'FA05'      ---> F045A (A-1A) **********  VERISW
00007A 0002          45          DC    X'0002'                               VERISW
00007C F000          46          DC    X'F000'      ISO EBA                  VERISW
00007E FDA8          47          DC    X'FDA8'      T-600                    VERISW
000080 F100          48          DC    X'F100'      SMD                      VERISW
000082 FF88          49          DC    X'FF88'      T-120                    VERISW
000084 F207          50          DC    X'F207'      F0705 A-1A               VERISW
000086 0000          51          DC    X'0000'      T=0                      VERISW
000088 F300          52          DC    X'F300'      60 SECS POWER OFF        VERISW
00008A 00F0          53          DC    X'00F0'      T+240                    VERISW
00008C F416          54          DC    X'F416'      PWR-OFF                  VERISW
00008E 012C          55          DC    X'012C'      T+300                    VERISW
000090 FAFE          56          DC    X'FAFE'                               VERISW
000092 FA06          57          DC    X'FA06'      ---> F0756 (A-1B) **********  VERISW
000094 0002          58          DC    X'0002'                               VERISW
000096 F000          59          DC    X'F000'      ISO EBA                  VERISW
000098 FDA8          60          DC    X'FDA8'      T-600                    VERISW
00009A F100          61          DC    X'F100'      SMD                      VERISW
00009C FF88          62          DC    X'FF88'      T-120                    VERISW
00009E F209          63          DC    X'F209'      F0705 A-1B               VERISW
0000A0 0000          64          DC    X'0000'      T=0                      VERISW
0000A2 F804          65          DC    X'F804'      F035 A-1B  NODE 1        VERISW
0000A4 0096          66          DC    X'0096'      T+150                    VERISW
0000A6 F300          67          DC    X'F300'      60 SECS POWER OFF        VERISW
0000A8 00F0          68          DC    X'00F0'      T+240                    VERISW
0000AA F416          69          DC    X'F416'      PWR-OFF                  VERISW
0000AC 012C          70          DC    X'012C'      T+300                    VERISW
0000AE FAFE          71          DC    X'FAFE'                               VERISW
0000B0 FA07          72          DC    X'FA07'      ---> F0406 (A-2) **********  VERISW
0000B2 0002          73          DC    X'0002'                               VERISW
0000B4 F000          74          DC    X'F000'      ISO EBA                  VERISW
0000B6 FDA8          75          DC    X'FDA8'      T-600                    VERISW
0000B8 F100          76          DC    X'F100'      SMD                      VERISW
0000BA FF88          77          DC    X'FF88'      T-120                    VERISW
0000BC F209          78          DC    X'F209'      F0706 A-2                VERISW
0000BE 0000          79          DC    X'0000'      T=0                      VERISW
0000C0 F300          80          DC    X'F300'      60 SECS POWER OFF        VERISW
0000C2 00F0          81          DC    X'00F0'      T+240                    VERISW
0000C4 F416          82          DC    X'F416'      PWR-OFF                  VERISW
0000C6 012C          83          DC    X'012C'      T+300                    VERISW
0000C8 FAFE          84          DC    X'FAFE'                               VERISW
0000CA FA08          85          DC    X'FA08'      ---> F0777 (A-3) **********  VERISW
0000CC 0004          86          DC    X'0004'                               VERISW
0000CE F031          87          DC    X'F031'      ISO EBA-IPD              VERISW
0000D0 FDA8          88          DC    X'FDA8'      T-600                    VERISW
0000D2 F100          89          DC    X'F100'      SMD                      VERISW
0000D4 FF88          90          DC    X'FF88'      T-120                    VERISW
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LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT F22NOV74 10/14/81

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000006 F20A                 111          DC    X'F20A'          FOW07 A-3                          VERISW
000008 0000                 112          DC    X'0000'            T=0                              VERISW
00000A F300                 113          DC    X'F300'          60 SECS POWER OFF                  VERISW
00000C 00F0                 114          DC    X'00F0'            T+240                            VERISW
00000E F416                 115          DC    X'F416'          PWR-OFF                            VERISW
000010 012C                 116          DC    X'012C'            T+300                            VERISW
000012 FAFE                 117          DC    X'FAFE'                                             VERISW
000014 FA09                 118          DC    X'FA09'     ---> FOW8 (A=4) **********             VERISW
000016 0003                 119          DC    X'0003'                                             VERISW
000018 F001                 120          DC    X'F001'          ISU MPD=1                          VERISW
00001A FED4                 121          DC    X'FED4'            T-300                            VERISW
00001C F100                 122          DC    X'F100'          SMD                                VERISW
00001E FF88                 123          DC    X'FF88'            T-120                            VERISW
000020 F208                 124          DC    X'F208'          FOW8 (A=4)                         VERISW
000022 0000                 125          DC    X'0000'            T+0                              VERISW
000024 F300                 126          DC    X'F300'          60 SECS POWER OFF                  VERISW
000026 00F0                 127          DC    X'00F0'            T+240                            VERISW
000028 F416                 128          DC    X'F416'          PWR-OFF                            VERISW
00002A 012C                 129          DC    X'012C'            T+300                            VERISW
00002C FAFE                 130          DC    X'FAFE'                                             VERISW
00002E FA0A                 131          DC    X'FA0A'     ---> FOW9A (A-5A) **********           VERISW
000030 0002                 132          DC    X'0002'                                             VERISW
000032 F000                 133          DC    X'F000'          ISU EDA                            VERISW
000034 FDA8                 134          DC    X'FDA8'            T=600                            VERISW
000036 F100                 135          DC    X'F100'          SMD                                VERISW
000038 FF88                 136          DC    X'FF88'            T=120                            VERISW
00003A F20C                 137          DC    X'F20C'          FOW09 A-5A                         VERISW
00003C 0000                 138          DC    X'0000'            T=0                              VERISW
00003E F300                 139          DC    X'F300'          60 SECS POWER OFF                  VERISW
000040 00F0                 140          DC    X'00F0'            T+240                            VERISW
000042 F416                 141          DC    X'F416'          PWR-OFF                            VERISW
000044 012C                 142          DC    X'012C'            T+300                            VERISW
000046 FAFE                 143          DC    X'FAFE'                                             VERISW
000048 FA0B                 144          DC    X'FA0B'     ---> FOW9B (A=5B) **********           VERISW
00004A 0004                 145          DC    X'0004'                                             VERISW
00004C F031                 146          DC    X'F031'          ISU EDA=MPD                        VERISW
00004E FDA8                 147          DC    X'FDA8'            T=600                            VERISW
000050 F100                 148          DC    X'F100'          SMD                                VERISW
000052 FF88                 149          DC    X'FF88'            T=120                            VERISW
000054 F20D                 150          DC    X'F20D'          FOW07 A-5B                         VERISW
000056 0000                 151          DC    X'0000'            T=0                              VERISW
000058 F300                 152          DC    X'F300'          60 SECS POWER OFF                  VERISW
00005A 00F0                 153          DC    X'00F0'            T+240                            VERISW
00005C F416                 154          DC    X'F416'          PWR-OFF                            VERISW
00005E 012C                 155          DC    X'012C'            T+300                            VERISW
000060 FAFE                 156          DC    X'FAFE'                                             VERISW
000062 FA0C                 157          DC    X'FA0C'     ---> FOW9C (A=5C) **********           VERISW
000064 0002                 158          DC    X'0002'                                             VERISW
000066 F000                 159          DC    X'F000'          ISU EDA                            VERISW
000068 FDA8                 160          DC    X'FDA8'            T=600                            VERISW
00006A F100                 161          DC    X'F100'          SMD                                VERISW
00006C FF88                 162          DC    X'FF88'            T=120                            VERISW
00006E F20E                 163          DC    X'F20E'          FOW09 A-5C                         VERISW
000070 0000                 164          DC    X'0000'            T=0                              VERISW
000072 F300                 165          DC    X'F300'          60 SECS POWER OFF                  VERISW
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LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	F22RCV74 10/14/81
000144	00F0			166	DC X'00F0' T+240	VERISW
000146	F416			167	DC X'F416' PWR-OFF	VERISW
000148	012C			168	DC X'012C' T+300	VERISW
00014A	FAFE			169	DC X'FAFE'	VERISW
00014C	FA0D			170	DC X'FA0D' ---> FU#10 (A-6) **********	VERISW
00014E	00C4			171	DC X'00C4'	VERISW
000150	F031			172	DC X'F031' ISU LOA-RPD	VERISW
000152	FDA8			173	DC X'FDA8' T-600	VERISW
000154	F1C0			174	DC X'F100' SMU	VERISW
000156	FF88			175	DC X'FF38' T-120	VERISW
000158	F20F			176	DC X'F20F' FU#10 A-6	VERISW
00015A	0000			177	DC X'0000' T=0	VERISW
00015C	F300			178	DC X'F300' 60 SECS POWER OFF	VERISW
00015E	00F0			179	DC X'00F0' T+240	VERISW
000160	F416			180	DC X'F416' PWR-OFF	VERISW
000162	012C			181	DC X'012C' T+300	VERISW
000164	FAFE			182	DC X'FAFE' END	VERISW
000166	FA0E			183	DC X'FA0E' ---> FU#11 (A-7) **********	VERISW
000168	00C4			184	DC X'0004'	VERISW
00016A	F031			185	DC X'F031' ISU LOA-RPD	VERISW
00016C	FDA8			186	DC X'FDA8' T-600	VERISW
00016E	F1C0			187	DC X'F100' SMU	VERISW
000170	FF88			188	DC X'FF58' T-120	VERISW
000172	F210			189	DC X'F210' FU#11 A-7	VERISW
000174	0000			190	DC X'0000' T=0	VERISW
000176	F300			191	DC X'F300' 60 SECS POWER OFF	VERISW
000178	00F0			192	DC X'00F0' T+240	VERISW
00017A	F416			193	DC X'F416' PWR-OFF	VERISW
00017C	012C			194	DC X'012C' T+300	VERISW
00017E	FAFF			195	DC X'FAFF' END	VERISW
000180	FA0F			196	DC X'FA0F' ---> FU#12A (A-8A) *********	VERISW
000182	00C4			197	DC X'0004'	VERISW
000184	F031			198	DC X'F031' ISU LOA-RPD	VERISW
000186	FDA8			199	DC X'FDA8' T-600	VERISW
000188	F1C0			200	DC X'F100' SMU	VERISW
00018A	FF88			201	DC X'FF88' T-120	VERISW
00018C	F211			202	DC X'F211' FU#12 A-8A	VERISW
00018E	0000			203	DC X'0000' T=0	VERISW
000190	F826			204	DC X'F826' MODE 1	VERISW
000192	0096			205	DC X'0096' T+150	VERISW
000194	F300			206	DC X'F300' 60 SECS POWER OFF	VERISW
000196	00F0			207	DC X'00F0' T+240	VERISW
000198	F416			208	DC X'F416' PWR-OFF	VERISW
00019A	012C			209	DC X'012C' T+300	VERISW
00019C	FAFE			210	DC X'FAFE'	VERISW
00019E	FA10			211	DC X'FA10' ---> FU#12B (A-8B)**********	VERISW
0001A0	00C2			212	DC X'0002'	VERISW
0001A2	F0C0			213	DC X'F0C0' ISU LOA	VERISW
0001A4	FDA8			214	DC X'FDA8' T-600	VERISW
0001A6	F1C0			215	DC X'F100' SMU	VERISW
0001A8	FF88			216	DC X'FF88' T-120	VERISW
0001AA	F212			217	DC X'F212' FU#12 A-8B	VERISW
0001AC	0000			218	DC X'0000' T=0	VERISW
0001AE	F827			219	DC X'F827' FU#12 A-8B MODE 1	VERISW
0001B0	0096			220	DC X'0096' T+150	VERISW

F22BUV7, 10/14/81

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 LOC  OBJECT CODE   ADDR1 ADDR2  STMT   SOURCE STATEMENT                                                    VERISW
000182 F300              221          DC    X'F300'      60 SECS POWER OFF                                 VERISW
000184 00F0              222          DC    X'00F0'        T+240                                           VERISW
000186 F416              223          DC    X'F416'      PWR-OFF                                           VERISW
000188 012C              224          DC    X'012C'        T+300                                           VERISW
00018A FAFE              225          DC    X'FAFE'                                                        VERISW
00018C FA11              226          DC    X'FA11'      ---> FUN13 (P-1) **********                       VERISW
00018E 0001              227          DC    X'0001'                                                        VERISW
000190 F213              228          DC    X'F213'      FUN13 P-1                                         VERISW
000192 0000              229          DC    X'0000'        T=0                                             VERISW
000194 F300              230          DC    X'F300'      60 SECS POWER OFF                                 VERISW
000196 0348              231          DC    X'0348'        T+840                                           VERISW
000198 F416              232          DC    X'F416'      PWR-OFF                                           VERISW
00019A 0384              233          DC    X'0384'        T+900                                           VERISW
00019C FAFE              234          DC    X'FAFE'                                                        VERISW
00019E FA12              235          DC    X'FA12'      ---> FUN14 (P-2)**********                        VERISW
0001A0 0001              236          DC    X'0001'                                                        VERISW
0001A2 F214              237          DC    X'F214'      FUN14 P-2                                         VERISW
0001A4 0000              238          DC    X'0000'        T=0                                             VERISW
0001A6 F300              239          DC    X'F300'      60 SECS POWER OFF                                 VERISW
0001A8 00F0              240          DC    X'00F0'        T+240                                           VERISW
0001AA F416              241          DC    X'F416'      PWR-OFF                                           VERISW
0001AC 012C              242          DC    X'012C'        T+300                                           VERISW
0001AE FAFE              243          DC    X'FAFE'                                                        VERISW
0001B0 FEFEFEFE          244          DC    X'FEFEFEFE'                                                    VERISW
                         245          END                                                                  VERISW
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SYMBOL	LGN	VALUE	DEFN	REFERENCES
FUNCOM	0CC01	000000	0001	
FUNTAB	00001	000000	0002	0003

NO STATEMENTS FLAGGED IN THIS ASSEMBLY
STATISTICS SOURCE RECORDS (SYSIN) = 249
OPTIONS IN EFFECT LIST, NOOBJ, LOAD, NORENT, XREF, NOTEST, ALIGN, DS, NOTERM, LINECNT = 55
268 PRINTED LINES

SYMBOL	TYPE	ID	ADDR	LENGTH	LD ID
FOCOM	SD	01	000000	000950	
FOTAB	LD		000000		01

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT F22L.3.74 10/16/81

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000000                    1 FLOCM   CSECT                                          VERISH
000000                    2 TITAN   LSU                                            VERISH
                          3         ENTRY   ENTAL                                  VERISH
000000 FA6C0000           4         DC      X'FA6C0000'   *** START ***  TSU EBA  VERISH
000004 00000020           5         DC      X'00000020'   IUINT    0.0             VERISH
000008 00000000           6         DC      X'00000000'   EBAINT   0.0             VERISH
00000C 00000017           7         DC      X'00000017'   EPSPUN   0.0             VERISH
000010 00000026           8         DC      X'00000026'   MTVINT   0.0             VERISH
000014 00050003           9         DC      X'00050003'   EBAHTR   5.0             VERISH
000018 00050018          10         DC      X'00050018'   PFDCHK   5.0             VERISH
00001C 00050010          11         DC      X'00050010'   PLLCHK   5.0             VERISH
000020 00050020          12         DC      X'00050020'   PWPCHK   5.0             VERISH
000024 00050023          13         DC      X'00050023'   EPECHK   5.0             VERISH
000028 0005001F          14         DC      X'0005001F'   PLTCHK   5.0             VERISH
00002C 00050025          15         DC      X'00050025'   EPVCHK   5.0             VERISH
000030 00050028          16         DC      X'00050028'   MTVCHK   5.0             VERISH
000034 003C0030          17         DC      X'003C0030'   DCPIS1   60.0            VERISH
000038 003C0031          18         DC      X'003C0031'   MTVIS0   60.0            VERISH
00003C 003C009E          19         DC      X'003C009E'   CALSLT5  60.0            VERISH
000040 0078003E          20         DC      X'0078003E'   DCPIS2  120.0            VERISH
000044 00B4003B          21         DC      X'00B4003B'   MTVDCP  180.0            VERISH
000048 00B40033          22         DC      X'00B40033'   MTVIS2  180.0            VERISH
00004C 00B4003F          23         DC      X'00B4003F'   DCPIS3  180.0            VERISH
000050 00B40038          24         DC      X'00B40038'   MTVER1  180.0            VERISH
000054 00F00030          25         DC      X'00F00030'   DCPIS1  240.0            VERISH
000058 012C003E          26         DC      X'012C003E'   DCPIS2  300.0            VERISH
00005C 0168003F          27         DC      X'01680031'   DCPIS3  360.0            VERISH
000060 01680061          28         DC      X'01680061'   TIMING  360.0            VERISH
000064 0186CC29          29         DC      X'0186CC29'   EBASLT  390.0  EXCEPT FU#2  VERISH
000068 01A400FF          30         DC      X'01A400FF'   XXXXX   420.0  PRESET       VERISH
00006C 01A40078          31         DC      X'01A40078'   CALFU2  420.0               VERISH
000070 04B0006D          32         DC      X'04B0006D'   FUZHTZ 1200.0               VERISH
000074 09D80024          33         DC      X'09D80024'   EBASLT 2520.0  ONLY FC#2    VERISH
000078 FAFEFAFE          34         DC      X'FAFEFAFE'   END TSU EBA                 VERISH
00007C FA310000          35         DC      X'FA310000'   *** START ***   TSU EBA+3PD VERISH
000080 00000020          36         DC      X'00000020'   IUINT    0.0             VERISH
000084 00000000          37         DC      X'00000000'   EBAINT   0.0             VERISH
000088 00000000          38         DC      X'00000000'   MPDINT   0.0             VERISH
00008C 00000017          39         DC      X'00000017'   EPSPUN   0.0             VERISH
000090 00000026          40         DC      X'00000026'   MTVINT   0.0             VERISH
000094 0000006C          41         DC      X'0000006C'   FUZHTZ   0.0             VERISH
000098 00050003          42         DC      X'00050003'   EBAHTR   5.0             VERISH
00009C 00050015          43         DC      X'00050015'   CHGCHK   5.0             VERISH
0000A0 00050018          44         DC      X'00050018'   PFDCHK   5.0             VERISH
0000A4 0005001D          45         DC      X'0005001D'   PLLCHK   5.0             VERISH
0000A8 00050020          46         DC      X'00050020'   PWPCHK   5.0             VERISH
0000AC 00050023          47         DC      X'00050023'   EPECHK   5.0             VERISH
0000B0 00050011          48         DC      X'00050011'   PLTCHK   5.0             VERISH
0000B4 00050025          49         DC      X'00050025'   EPVCHK   5.0             VERISH
0000B8 00050028          50         DC      X'00050028'   MTVCHK   5.0             VERISH
0000BC 003C0030          51         DC      X'003C0030'   DCPIS1   60.0            VERISH
0000C0 003C0031          52         DC      X'003C0031'   MTVIS0   60.0            VERISH
0000C4 003C009E          53         DC      X'003C009E'   CALSLT5  60.0            VERISH
0000C8 0078003F          54         DC      X'0078003F'   DCPIS2  121.0            VERISH
0000CC 009C003B          55         DC      X'009C003B'   MTVDCP  140.0            VERISH
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LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT				
0000D0	C03C0033			56	DC	X'03BC0033'	MIVMS2	140.0	VERISW
0000D4	0084C03F			57	DC	X'00B4003F'	DGPIS3	180.0	VERISW
0000D8	0084C03F			58	DC	X'00B40038'	MIVEN1	180.0	VERISW
0000DC	00F00030			59	DC	X'00F00030'	DGPIS1	240.0	VERISW
0000E0	012C003F			60	DC	X'012C003F'	DGPIS2	300.0	VERISW
0000E4	C143C03F			61	DC	X'0168003F'	DGPIS3	360.0	VERISW
0000E8	0168C061			62	DC	X'01680061'	TIMTAG	360.0	VERISW
0000EC	01860001			63	DC	X'01860001'	EBASET	390.0	VERISW
0000F0	01A400FF			64	DC	X'01A400FF'	XXXXXX	420.0	VERISW
0000F4	FAFEFAFE			65	DC	X'FAFEFAFE'	END ISO EBA+MPD		VERISW
0000F8	FA010000			66	DC	X'FA010000'	+++ START +++ ISO MPD-I		VERISW
0000FC	0000C02A			67	DC	X'0000002A'	IOINT	0.0	VERISW
000100	0000000A			68	DC	X'0000000A'	MPDINT	0.0	VERISW
000104	C0000017			69	DC	X'00000017'	CPSPUN	0.0	VERISW
000108	00C00026			70	DC	X'00000026'	MIVINT	0.0	VERISW
00010C	00C50015			71	DC	X'00050015'	CPSCHK	5.0	VERISW
000110	00050018			72	DC	X'00050018'	PHSCHK	5.0	VERISW
000114	0005001D			73	DC	X'0005001D'	PLLCHK	5.0	VERISW
000118	00C50020			74	DC	X'00050020'	PWPCHK	5.0	VERISW
00011C	00C50023			75	DC	X'00050023'	EPECHK	5.0	VERISW
000120	00C5001F			76	DC	X'0005001F'	PLFCHK	5.0	VERISW
000124	00C50025			77	DC	X'00050025'	EPVCHK	5.0	VERISW
000128	00C50028			78	DC	X'00050028'	MIVCHK	5.0	VERISW
00012C	003C0030			79	DC	X'003C0030'	DGPIS1	60.0	VERISW
000130	003C0031			80	DC	X'003C0031'	MIVIS0	60.0	VERISW
000134	C03CC061			81	DC	X'003C0061'	TIMTAG	60.0	VERISW
000138	0078003F			82	DC	X'0078003F'	DGPIS2	120.0	VERISW
00013C	C0780061			83	DC	X'00780061'	TIMTAG	120.0	VERISW
000140	00BC0039			84	DC	X'00BC0039'	MIVMP1	140.0	VERISW
000144	00BC0033			85	DC	X'00BC0033'	MIVMS2	140.0	VERISW
000148	0084C03F			86	DC	X'00B4003F'	DGPIS3	180.0	VERISW
00014C	0084C061			87	DC	X'00B40061'	TIMTAG	180.0	VERISW
000150	C0F000FF			88	DC	X'00F000FF'	XXXXXX	240.0 PRESET	VERISW
000154	FAFEFAFE			89	DC	X'FAFEFAFE'	END ISO MPD-I		VERISW
000158	FA020000			90	DC	X'FA020000'	+++ START +++ ISO MPD-II		VERISW
00015C	C0C0002A			91	DC	X'0000002A'	IOINT	0.0	VERISW
000160	0000000A			92	DC	X'0000000A'	MPDINT	0.0	VERISW
000164	00000017			93	DC	X'00000017'	CPSPUN	0.0	VERISW
000168	00CC0026			94	DC	X'00000026'	MIVINT	0.0	VERISW
00016C	00050015			95	DC	X'00050015'	CPSCHK	5.0	VERISW
000170	00050018			96	DC	X'00050018'	PHSCHK	5.0	VERISW
000174	00C5001D			97	DC	X'0005001D'	PLLCHK	5.0	VERISW
000178	00C50020			98	DC	X'00050020'	PWPCHK	5.0	VERISW
00017C	00C50023			99	DC	X'00050023'	EPECHK	5.0	VERISW
000180	00C5001F			100	DC	X'0005001F'	PLFCHK	5.0	VERISW
000184	00C50025			101	DC	X'00050025'	EPVCHK	5.0	VERISW
000188	00C50028			102	DC	X'00050028'	MIVCHK	5.0	VERISW
00018C	00C8000F			103	DC	X'000800DE'	FAJCHK	8.0	VERISW
000190	C02AC00F			104	DC	X'02AA00DE'	TLOCHK	42.0	VERISW
000194	C03CC061			105	DC	X'03CC0061'	TIMTAG	60.0	VERISW
000198	003C0031			106	DC	X'003C0031'	MIVIS0	60.0	VERISW
00019C	003C0030			107	DC	X'003C0030'	DGPIS1	60.0	VERISW
0001A0	00480010			108	DC	X'00480010'	PTSCHK	75.0	VERISW
0001A4	C078003F			109	DC	X'0078003F'	DGPIS2	120.0	VERISW
0001A8	C0780061			110	DC	X'00780061'	TIMTAG	120.0	VERISW

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT 22NOV74 10/14/81

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000LAC 009C0039          111          DC    X'009C0039'    MTVMP1   140.0                VER15M
000180 003CC033          112          DC    X'003CC033'    MTVMS2   140.0                VER15M
000184 C024C03F          113          DC    X'C24C03F'     DGP153   180.0                VER15M
000188 0094C061          114          DC    X'0094C061'    TIMTAG   180.0                VER15M
00018C 00E6009D          115          DC    X'00E6009D'    IMPOST   230.0                VER15M
000190 00E60011          116          DC    X'00E60011'    CASCHK   230.0                VER15M
000194 00FC00FF          117          DC    X'00F000FF'    XXXXXX   240.0  PRESET        VER15M
000198 00FF000A          118          DC    X'00FF000A'    HPDINT   255.0                VER15M
00019C 00FF001C          119          DC    X'00FF001C'    ISOFIK   255.0                VER15M
0001A0 01000012          120          DC    X'01000012'    F4VPEH   256.0                VER15M
0001A4 FAFEFAFE          121          DC    X'FAFEFAFE'    END ISO HPD-11               VER15M
0001A8 FAC30000          122          DC    X'FAC30000'    *** START *** FOROT (CPU)    VER15M
0001AC 00C00080          123          DC    X'00000080'    MTVS01     0.0               VER15M
0001B0 00C00000          124          DC    X'00000000'    EBAINT     0.0               VER15M
0001B4 00C0000A          125          DC    X'0000000A'    PPDINT     0.0               VER15M
0001B8 00C00017          126          DC    X'00000017'    DPSPCY     0.0               VER15M
0001BC 00000026          127          DC    X'00000026'    MTVINT     0.0               VER15M
0001C0 00C50015          128          DC    X'00050015'    CHGCHK     5.0               VER15M
0001C4 00C50018          129          DC    X'00050018'    PHUCHK     5.0               VER15M
0001C8 00C5001D          130          DC    X'0005001D'    PLLCHK     5.0               VER15M
0001CC 00C50020          131          DC    X'00050020'    PWPCHK     5.0               VER15M
000200 00C5C023          132          DC    X'00050023'    EPECHK     5.0               VER15M
000204 00C5C01F          133          DC    X'0005001F'    PLFCHK     5.0               VER15M
000208 00C5C025          134          DC    X'00050025'    EPVCHK     5.0               VER15M
00020C 00C5C028          135          DC    X'00050028'    MTVCHK     5.0               VER15M
000210 003CC090          136          DC    X'003C0080'    MTVS01    60.0               VER15M
000214 003CC002          137          DC    X'003C0002'    EBACHK    60.0               VER15M
000218 003CC031          138          DC    X'003C0031'    MTV1SD    60.0               VER15M
00021C 003CC09E          139          DC    X'003C009E'    CALSET5   60.0               VER15M
000220 003CC03D          140          DC    X'003C003D'    DGP151    60.0               VER15M
000224 00E4C051          141          DC    X'00640051'    MTVSLV    100.0              VER15M
000228 00780038          142          DC    X'0078003E'    DGP152    120.0              VER15M
00022C 009CC033          143          DC    X'009C0033'    MTVMS2    140.0              VER15M
000230 00B4C03F          144          DC    X'00B40038'    DGP153    180.0              VER15M
000234 00B4C039          145          DC    X'00B40038'    MTVDGP    180.0              VER15M
000238 00D7C009          146          DC    X'00D70009'    DMADMR    215.0              VER15M
00023C 00D8C00E          147          DC    X'00D8000E'    FAVCHK    219.0              VER15M
000240 00DCC038          148          DC    X'00DC0038'    MTVER1    220.0              VER15M
000244 00F0C03D          149          DC    X'00F0003D'    DGP151    240.0              VER15M
000248 00FDC00F          150          DC    X'00FD000F'    IRGCHK    253.0              VER15M
00024C 0104C03B          151          DC    X'0104003B'    MTVDGP    260.0              VER15M
000250 011EC010          152          DC    X'011E0010'    RENCHK    286.0              VER15M
000254 012CC03E          153          DC    X'012C003E'    DGP152    300.0              VER15M
000258 012C0039          154          DC    X'012C0039'    MTVMP1    300.0              VER15M
00025C 0168C061          155          DC    X'01680061'    TIMTAG    360.0              VER15M
000260 0168C03F          156          DC    X'0168003F'    DGP153    360.0              VER15M
000264 0168C037          157          DC    X'01680037'    MTVPAS    360.0              VER15M
000268 01A4C061          158          DC    X'01A40061'    TIMTAG    420.0              VER15M
00026C 01A4C03D          159          DC    X'01A4003D'    DGP151    420.0              VER15M
000270 01B5CC59          160          DC    X'01B50059'    TIPSET    441.0              VER15M
000274 01B5C011          161          DC    X'01B50011'    CASCHK    441.0              VER15M
000278 01D2CC14          162          DC    X'01D20014'    HPDOUT    466.0              VER15M
00027C FAFEFAFE          163          DC    X'FAFEFAFE'    END ISO 01 (CPU)           VER15M
000280 FA05C0C0          164          DC    X'FA05C000'    *** START ***  BUSY FU      VER15M
000284 00CFC000          165          DC    X'00CF0000'    TO BE FILLED IN            VER15M
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000284 FAFEFAFE                 166          DC    X'FAFEFAFE'                                                    VERIS#
000288 FAC6C000                 167          DC    X'FAC6C000'      *** START *** SMD=EBA                         VERIS#
00028C 00000050                 168          DC    A(SMDLBA)                                                      VERIS#
000290 FAFEFAFE                 169          DC    X'FAFEFAFE'                                                    VERIS#
000294 FAC72423                 170          DC    X'FAC72423'      *** START ***   FD#05 (A-1A)                  VERIS#
000298 00000C3C                 171          DC    X'00000C3C'      MTVEB#                                        VERIS#
00029C 00000056                 172          DC    A(00000056)      A1AFIR    0.0                                 VERIS#
0002A0 00000040                 173          DC    X'00000040'      DGA1A     0.0                                 VERIS#
0002A4 00000C3C                 174          DC    X'00000C3C'      MTVEB2    0.0                                 VERIS#
0002A8 00000032                 175          DC    X'00000032'      MTVMS1    0.0                                 VERIS#
0002AC 00000C09E                176          DC    A(00000C09E)     CALSLT5   0.0                                 VERIS#
0002B0 00C96038                 177          DC    X'00C96038'      MTVEB1  150.0                                 VERIS#
0002B4 FAFEFAFE                 178          DC    X'FAFEFAFE'      END FD#05 (A-1A)                              VERIS#
0002B8 FAC8C000                 179          DC    X'FAC8C000'      *** START *** FD#05 (A-1B)  MODE 0             VERIS#
0002BC 00000059                 180          DC    A(00000059)      SFDSM0    0.0                                 VERIS#
0002C0 00000057                 181          DC    X'00000057'      A1BFIR    0.0                                 VERIS#
0002C4 00000061                 182          DC    A(00000061)      TIMTAG    0.0                                 VERIS#
0002C8 00000041                 183          DC    X'00000041'      DGA1B     0.0                                 VERIS#
0002CC 00000038                 184          DC    X'00000038'      MTVEB1    0.0                                 VERIS#
0002D0 00000033                 185          DC    X'00000033'      MTVMS2    0.0                                 VERIS#
0002D4 00000055                 186          DC    X'00000055'      FDSILV    0.0                                 VERIS#
0002D8 001EC057                 187          DC    X'001EC057'      A1BFIR   30.0                                 VERIS#
0002DC 003C0061                 188          DC    A(003C0061)      TIMTAG   60.0                                 VERIS#
0002E0 003C0057                 189          DC    X'003C0057'      A1BFIR   60.0                                 VERIS#
0002E4 003C003C                 190          DC    X'003C003C'      MTVEB2   60.0                                 VERIS#
0002E8 005A0057                 191          DC    X'005A0057'      A1BFIR   90.0                                 VERIS#
0002EC 0078C061                 192          DC    A(0078C061)      TIMTAG  120.0                                 VERIS#
0002F0 0078C057                 193          DC    X'0078C057'      A1BFIR  120.0                                 VERIS#
0002F4 FAFEFAFE                 194          DC    X'FAFEFAFE'      END FD#05 (A-1B) MODE 0                       VERIS#
0002F8 FAC4C000                 195          DC    X'FAC4C000'      *** START *** FD#05 (A-1B) MODE 1              VERIS#
0002FC 00000053                 196          DC    X'00000053'      SFDSM1    0.0                                 VERIS#
000300 00000057                 197          DC    X'00000057'      A1BFIR  000.0                                 VERIS#
000304 00000042                 198          DC    X'00000042'      DGA1B1  000.0                                 VERIS#
000308 00000038                 199          DC    X'00000038'      MTVEB1  000.0                                 VERIS#
00030C 001EC057                 200          DC    X'001EC057'      A1BFIR  030.0                                 VERIS#
000310 001EC061                 201          DC    A(001EC061)      TIMTAG  030.0                                 VERIS#
000314 003C0057                 202          DC    X'003C0057'      A1BFIR  060.0                                 VERIS#
000318 005AC061                 203          DC    A(005AC061)      TIMTAG  090.0                                 VERIS#
00031C 005AC057                 204          DC    X'005AC057'      A1BFIR  090.0                                 VERIS#
000320 0078C057                 205          DC    X'0078C057'      A1BFIR  120.0                                 VERIS#
000324 FAFEFAFE                 206          DC    X'FAFEFAFE'      END FD#05 (A-1B) MODE 1                       VERIS#
000328 FAC5C000                 207          DC    X'FAC5C000'      *** START ***   FD#06 (A-2)                   VERIS#
00032C 00000058                 208          DC    X'00000058'      A2FIR     0.0                                 VERIS#
000330 00000C09E                209          DC    A(00000C09E)     CALSLT5   0.0                                 VERIS#
000334 00000052                 210          DC    X'00000052'      A2MOP     0.0                                 VERIS#
000338 00000043                 211          DC    X'00000043'      DGA2      0.0                                 VERIS#
00033C 00000038                 212          DC    X'00000038'      MTVEB1    0.0                                 VERIS#
000340 00000032                 213          DC    X'00000032'      MTVMS1    0.0                                 VERIS#
000344 00AAC03C                 214          DC    X'00AAC03C'      MTVEB2  170.0                                 VERIS#
000348 FAFEFAFE                 215          DC    X'FAFEFAFE'      END FD#06 (A-2)                               VERIS#
00034C FAC9C0C9                 216          DC    X'FAC9C0C9'      *** START ***   FD#07 (A-3)                   VERIS#
000350 00000058                 217          DC    X'00000058'      A2FIR     0.0                                 VERIS#
000354 00000C09E                218          DC    A(00000C09E)     CALSLT5   0.0                                 VERIS#
000358 00000055                 219          DC    X'00000055'      FDSILV    0.0                                 VERIS#
00035C 00000048                 220          DC    X'00000048'      A3DFIR    0.0                                 VERIS#
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000364 C0DCC044                  221          DC    X'00000044'     DGA3      0.0                  VERISK
000368 00CCC038                  222          DC    X'00000038'     MTVEB1    0.0                  VERISK
00036C 00CCC032                  223          DC    X'00000032'     MTVMS1    0.0                  VERISK
000370 00AAC03C                  224          DC    X'00AA003C'     MTVEB2  170.0                  VERISK
000374 FAFEFAFE                  225          DC    X'FAFEFAFE'     END FOR07 (A-3)                VERISK
000378 FAC3C0C0                  226          DC    X'FA000000'  *** START ***   FOR08 (A-4)       VERISK
00037C 00C0C0B2                  227          DC    X'00000082'     MTV303                         VERISK
000380 00CCC039                  228          DC    X'00000039'     MTVMP1    0.0                  VERISK
000384 00CC0034                  229          DC    X'00000034'     MTVMS3    0.0                  VERISK
000388 00CCC056                  230          DC    X'00000056'     T80SET    0.0                  VERISK
00038C 00CCC0BE                  231          DC    X'000000BE'     DCPFD8    0.0                  VERISK
000390 00CCC05A                  232          DC    X'0000005A'     A4FIR     0.0                  VERISK
000394 00CCC045                  233          DC    X'00000045'     CGA4      0.0                  VERISK
000398 00CCC04D                  234          DC    X'0000004D'     PWR4      0.0                  VERISK
00039C 00CCC04C                  235          DC    X'0000004C'     PWL4      0.0                  VERISK
0003A0 00CCC04D                  236          DC    X'0000004D'     EPE4      0.0                  VERISK
0003A4 00CCC03E                  237          DC    X'0000003E'     CALSET5  60.0                  VERISK
0003A8 0046C036                  238          DC    X'00460036'     MTVMS5   70.0                  VERISK
0003AC 0096C057                  239          DC    X'00960057'     T81SET   150.0                 VERISK
0003B0 0096C05A                  240          DC    X'0096005A'     A4FIR    150.0                 VERISK
0003B4 0096004B                  241          DC    X'0096004B'     PWR4     150.0                 VERISK
0003B8 0096C04C                  242          DC    X'0096004C'     PEL4     150.0                 VERISK
0003BC 0096C04D                  243          DC    X'0096004D'     EPE4     150.0                 VERISK
0003C0 0096C03A                  244          DC    X'0096003A'     MTVMP2   150.0                 VERISK
0003C4 00DCC039                  245          DC    X'00DC0039'     MTVMP1   220.0                 VERISK
0003C8 FAFEFAFE                  246          DC    X'FAFEFAFE'     END FOR08 (A-4)                VERISK
0003CC FAOCC000                  247          DC    X'FA0C0000'  *** START ***   FOR09 (A-5A)      VERISK
0003D0 00CCC05B                  248          DC    X'0000005B'     A5AFIR    0.0                  VERISK
0003D4 00CCC098                  249          DC    X'00000098'     A5ANGP    0.0                  VERISK
0003D8 00CCC0BF                  250          DC    X'000000BF'     DCPFD9    0.0                  VERISK
0003DC 00CCC046                  251          DC    X'00000046'     CGA5A     0.0                  VERISK
0003E0 00CCC038                  252          DC    X'00000038'     MTVEB1    0.0                  VERISK
0003E4 00CCC032                  253          DC    X'00000032'     MTVMS1    0.0                  VERISK
0003E8 00CCC05E                  254          DC    X'0000005E'     CALSET5   0.0                  VERISK
0003EC 00CCC02B                  255          DC    X'0000002B'     AEP1*     0.0                  VERISK
0003F0 003C003C                  256          DC    X'003C003C'     MTVEB2   60.0                  VERISK
0003F4 003CC05B                  257          DC    X'003C005B'     A5AFIR   60.0                  VERISK
0003F8 0078C05B                  258          DC    X'0078005B'     A5AFIR  120.0                  VERISK
0003FC 0096C02B                  259          DC    X'0096002B'     AEP1*   150.0                  VERISK
000400 00B4005B                  260          DC    X'00B4005B'     A5AFIR  180.0                  VERISK
000404 00F0005B                  261          DC    X'00F0005B'     A5AFIR  240.0                  VERISK
000408 FAFEFAFE                  262          DC    X'FAFEFAFE'     END FOR09 (A-5A)               VERISK
00040C FA000000                  263          DC    X'FA000000'  *** START ***   FOR09 (A-5B)      VERISK
000410 00000090                  264          DC    X'00000090'     T40SET    0.0                  VERISK
000414 00CCC05E                  265          DC    X'00000005E'    CALSET5   0.0                  VERISK
000418 00C0005C                  266          DC    X'0000005C'     A5DFIR    0.0                  VERISK
00041C 00000086                  267          DC    X'00000086'     A5MPD     0.0                  VERISK
000420 00CCC0C3                  268          DC    X'000000C3'     DCPFD9B   0.0                  VERISK
000424 00CCC047                  269          DC    X'00000047'     CGA5B     0.0                  VERISK
000428 00C00045                  270          DC    X'0000005C'     PRD5B     0.0                  VERISK
00042C 00CCC049                  271          DC    X'00000049'     EPE5B     0.0                  VERISK
000430 00CCC03B                  272          DC    X'00000038'     MTVEB1    0.0                  VERISK
000434 00CCC032                  273          DC    X'00000032'     MTVMS1    0.0                  VERISK
000438 003CC03C                  274          DC    X'003C003C'     MTVEB2   60.0                  VERISK
00043C 003C005C                  275          DC    X'003C005C'     A5DFIR   60.0                  VERISK
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000440	007F005C	276		DC	X'007F005C'	A56FIR 120.0	VER15A
000444	00F4005C	277		DC	X'00F4005C'	A56FIR 180.0	VER15A
000448	00F0005C	278		DC	X'00F0005C'	A56FIR 240.0	VER15A
00044C	FAFEFAFE	279		DC	X'FAFEFAFE'	END FC#09 (A-5B)	VER15A
000450	FACF0000	280		DC	X'FACF0000'	+++ START +++ FC#09 (A-5C)	VER15A
000454	00C00058	281		DC	X'00C00058'	A84FIR 0.0	VER15A
000458	C0CCC09F	282		DC	X'C0CCC09F'	CALSET5 0.0	VER15A
00045C	00D0C0C3	283		DC	X'00D0C0C3'	DGPFC9B 0.0	VER15A
000460	00CC0047	284		DC	X'00C00047'	DGA5B 0.0	VER15A
000464	00C0004C	285		DC	X'00C0004C'	PHD5C 0.0	VER15A
000468	00CC0041	286		DC	X'00C00041'	EPE5C 0.0	VER15A
00046C	00C00038	287		DC	X'00C00038'	MTVEB1 0.0	VER15A
000470	C0C00032	288		DC	X'00C00032'	MTVMS1 0.0	VER15A
000474	00C00033	289		DC	X'00C00033'	MYVMS2 0.0	VER15A
000478	00C00026	290		DC	X'00C00026'	AEP1* 0.0	VER15A
00047C	003C003C	291		DC	X'003C003C'	MTVEB2 60.0	VER15A
000480	003C0058	292		DC	X'003C0058'	A5AFIR 60.0	VER15A
000484	00780058	293		DC	X'00780058'	A5AFIR 120.0	VER15A
000488	C0560026	294		DC	X'00560026'	AEP1* 150.0	VER15A
00048C	00B40058	295		DC	X'00B40058'	A5AFIR 180.0	VER15A
000490	00F00058	296		DC	X'00F00058'	A5AFIR 240.0	VER15A
000494	FAFEFAFE	297		DC	X'FAFEFAFE'	END FC#09 (A-5C)	VER15A
000498	FACF0000	298		DC	X'FACF0000'	+++ START +++ FC#10 (A-6)	VER15A
00049C	C0C00098	299		DC	X'C0C00098'	A6SET 0.0	VER15A
0004A0	00C0009C	300		DC	X'00C0009C'	A6FIR 0.0	VER15A
0004A4	00C00098	301		DC	X'00C00098'	A3MPD 0.0	VER15A
0004A8	C0CCC09E	302		DC	X'C0CCC09E'	CALSET5 0.0	VER15A
0004AC	00C0008F	303		DC	X'00C0008F'	DGPFC9 0.0	VER15A
0004B0	C0C00047	304		DC	X'00C00047'	DGA5B 0.0	VER15A
0004B4	00C0004E	305		DC	X'00C0004E'	PHD5C 0.0	VER15A
0004B8	00C00050	306		DC	X'00C00050'	EPE6 0.0	VER15A
0004BC	03C00038	307		DC	X'00C00038'	MTVEB1 0.0	VER15A
0004C0	00C00032	308		DC	X'00C00032'	MTVMS1 0.0	VER15A
0004C4	C0CC0082	309		DC	X'C0CC0082'	MTVS03 0.0	VER15A
0004C8	C03C003C	310		DC	X'003C003C'	MTVEL2 60.0	VER15A
0004CC	003C005C	311		DC	X'003C005C'	A6FIR 60.0	VER15A
0004D0	00780058	312		DC	X'00780058'	A6FIR 120.0	VER15A
0004D4	00B4005C	313		DC	X'00B4005C'	A6FIR 180.0	VER15A
0004D8	00F0005C	314		DC	X'00F0005C'	A6FIR 240.0	VER15A
0004DC	FAFEFAFE	315		DC	X'FAFEFAFE'	END FC#10 (A-6)	VER15A
0004E0	FA100000	316		DC	X'FA100000'	+++ START +++ FC#11 (A-7)	VER15A
0004E4	00C0C09C	317		DC	X'00C0C09C'	A7SET 0.0	VER15A
0004E8	C0C0009C	318		DC	X'C0C0009C'	CALSET5 0.0	VER15A
0004EC	00C0005F	319		DC	X'00C0005F'	A7FIR 0.0	VER15A
0004F0	C0C00088	320		DC	X'00C00088'	A3MPD 0.0	VER15A
0004F4	0000004A	321		DC	X'0000004A'	DGA7 0.0	VER15A
0004F8	00C00038	322		DC	X'00C00038'	MTVEB1 0.0	VER15A
0004FC	00C00032	323		DC	X'00C00032'	MTVMS1 0.0	VER15A
000500	C046C03C	324		DC	X'00C0C03C'	MTVEB2 70.0	VER15A
000504	FAFEFAFE	325		DC	X'FAFEFAFE'	END FC#11 (A-7)	VER15A
000508	FA110000	326		DC	X'FA110000'	+++ START +++ FC#12 (A-8A)	VER15A
00050C	00C00098	327		DC	X'00C00098'	A8SET 0.0	VER15A
000510	00CCC060	328		DC	X'00C00060'	A8FIR 0.0	VER15A
000514	C0C00061	329		DC	X'00C00061'	TITFAG 0.0	VER15A
000518	00C00DC1	330		DC	X'00C00DC1'	LCPF12A 0.0	VER15A

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT			F22N0074	10/14/81
000518	00000078			331	DC	X'00000078'	PHOB4	0.0	VERISW
000520	00000078			332	DC	X'00000078'	PLL9	0.0	VERISW
000524	0000007C			333	DC	X'0000007C'	PWH8	0.0	VERISW
000528	0000007D			334	DC	X'0000007D'	PDL8	0.0	VERISW
00052C	0000007E			335	DC	X'0000007E'	EPE8	0.0	VERISW
000530	00000038			336	DC	X'00000038'	MTVE81	0.0	VERISW
000534	00000032			337	DC	X'00000032'	MTVMS1	0.0	VERISW
000538	00040095			338	DC	X'00040095'	A3MPD*	5.0	VERISW
00053C	00320060			339	DC	X'00320060'	ABFIR	50.0	VERISW
000540	003C003C			340	DC	X'003C003C'	MTVEB2	60.0	VERISW
000544	003C0061			341	DC	X'003C0061'	TIMTAG	60.0	VERISW
000548	00640060			342	DC	X'00640060'	ABFIR	100.0	VERISW
00054C	00780061			343	DC	X'00780061'	TIMTAG	120.0	VERISW
000550	FAFEFAFE			344	DC	X'FAFEFAFE'	END FOR12 (A-BA		VERISW
000554	FA120000			345	DC	X'FA120000'	*** START *** FOR12 (A-BB) MODL 0		VERISW
000558	00CC0061			346	DC	X'00000061'	TIMTAG	0.0	VERISW
00055C	00CC0060			347	DC	X'00000060'	ABFIR	0.0	VERISW
000560	00C000C2			348	DC	X'000000C2'	DGPFD12B	0.0	VERISW
000564	00000078			349	DC	X'0000007F'	PHOB8	0.0	VERISW
000568	00C00078			350	DC	X'00000078'	PEL8	0.0	VERISW
00056C	0000007C			351	DC	X'0000007C'	PWH8	0.0	VERISW
000570	00C0007D			352	DC	X'0000007D'	PWL8	0.0	VERISW
000574	C000007E			353	DC	X'0000007E'	EPE8	0.0	VERISW
000578	00C00038			354	DC	X'00000038'	MTVE81	0.0	VERISW
00057C	00CC0032			355	DC	X'00000032'	MTVMS1	0.0	VERISW
000580	00000028			356	DC	X'00000028'	AEPT*	0.0	VERISW
000584	00C5000C			357	DC	X'0005000C'	A8UNGP	5.0	VERISW
000588	00320060			358	DC	X'00320060'	ABFIR	50.0	VERISW
00058C	003C003C			359	DC	X'003C003C'	MTVEB2	60.0	VERISW
000590	003C0061			360	DC	X'003C0061'	TIMTAG	60.0	VERISW
000594	00640060			361	DC	X'00640060'	ABFIR	100.0	VERISW
000598	00780061			362	DC	X'00780061'	TIMTAG	120.0	VERISW
00059C	FAFEFAFE			363	DC	X'FAFEFAFE'	END FOR12 (A-BB)		VERISW
0005A0	FA130000			364	DC	X'FA130000'	*** START *** FOR13 (P-11		VERISW
0005A4	00C00081			365	DC	X'00000083'	MTVS04		VERISW
0005A8	00C00017			366	DC	X'00000017'	DPSPON	0.0	VERISW
0005AC	00C00026			367	DC	X'00000026'	MTVINT	0.0	VERISW
000580	00C50010			368	DC	X'00050010'	PHDCHK	5.0	VERISW
0005B4	00C5001D			369	DC	X'0005001D'	PLLCHK	5.0	VERISW
0005B8	00C50020			370	DC	X'00050020'	PWPCHK	5.0	VERISW
0005BC	00C50023			371	DC	X'00050023'	DPLCHK	5.0	VERISW
0005C0	00C5001F			372	DC	X'0005001F'	PLECHK	5.0	VERISW
0005C4	00C50025			373	DC	X'00050025'	EPVCHK	5.0	VERISW
0005C8	00C50028			374	DC	X'00050028'	MTVCHK	5.0	VERISW
0005CC	003C003D			375	DC	X'003C003D'	DGP151	60.0	VERISW
0005D0	003C0037			376	DC	X'003C0037'	MTVP83	60.0	VERISW
0005D4	003C0033			377	DC	X'003C0033'	MTV452	60.0	VERISW
0005D8	003C005E			378	DC	X'003C005E'	CALSLT5	60.0	VERISW
0005DC	0078003E			379	DC	X'0078003E'	DGP152	120.0	VERISW
0005E0	00B4003E			380	DC	X'00B4003E'	DGP153	180.0	VERISW
0005E4	00F0003D			381	DC	X'00F0003D'	DGP151	240.0	VERISW
0005E8	012C003E			382	DC	X'012C003E'	DGP152	300.0	VERISW
0005EC	0168003E			383	DC	X'0168003E'	DGP153	360.0	VERISW
0005F0	016E005E			384	DC	X'016E005E'	CALSLT5	360.0	VERISW
0005F4	01A4003D			385	DC	X'01A4003D'	DGP151	420.0	VERISW

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT F22NOV74 10/19/81

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0005F4 01EC003F          386          DC    X'01ED003E'      DCPIS2  480.0                VERISA
0005FC 021C003F          387          DC    X'021C003F'      DCPIS3  540.0                VERISA
000600 0258003D          388          DC    X'0258003D'      DCPIS1  600.0                VERISA
000604 0294005F          389          DC    X'0294005F'      CALSET4 660.0                VERISA
000608 0294003E          390          DC    X'0294003E'      DCPIS2  660.0                VERISA
00060C 02D0003F          391          DC    X'02D0003F'      DCPIS3  720.0                VERISA
000610 030C003D          392          DC    X'030C003D'      DCPIS1  780.0                VERISA
000614 0348003E          393          DC    X'0348003E'      DCPIS2  840.0                VERISA
000618 FAFEFAFE          394          DC    X'FAFEFAFE'      END FO#13 (P=1)              VERISA
00061C FA140000          395          DC    X'FA140000'      *** START ***   FO#14 (P=2)  VERISA
000620 00000083          396          DC    X'00000083'      MIVSU4                       VERISA
000624 00C00017          397          DC    X'00000017'      DPSPUF    0.0                VERISA
000628 00000026          398          DC    X'00000026'      MIVINT    0.0                VERISA
00062C 00050018          399          DC    X'00050018'      PEUCHK    5.0                VERISA
000630 00050010          400          DC    X'00050010'      PLLCHK    5.0                VERISA
000634 00050020          401          DC    X'00050020'      PRPCHK    5.0                VERISA
000638 00050023          402          DC    X'00050023'      EPECHK    5.0                VERISA
00063C 0005001F          403          DC    X'0005001F'      PLTCHK    5.0                VERISA
000640 00050025          404          DC    X'00050025'      EPVCHK    5.0                VERISA
000644 00050028          405          DC    X'00050028'      MIVCHK    5.0                VERISA
000648 003C0030          406          DC    X'003C0030'      DCPIS1   60.0                VERISA
00064C 003C0037          407          DC    X'003C0037'      MIVPAS   60.0                VERISA
000650 003C0033          408          DC    X'003C0033'      MIVIS2   60.0                VERISA
000654 003C005F          409          DC    X'003C005F'      CALSET4  60.0                VERISA
000658 0078003E          410          DC    X'0078003E'      DCPIS2  180.0                VERISA
00065C 00F0003D          411          DC    X'00F0003D'      DCPIS1  180.0                VERISA
000660 00B4003F          412          DC    X'00B4003F'      DCPIS3  240.0                VERISA
000664 FAFEFAFE          413          DC    X'FAFEFAFE'      END FO#14 (P=2)              VERISA
000668 FA150000          414          DC    X'FA150000'      *** START ***   FO#15 (BAT)  VERISA
00066C FAFEFAFE          415          DC    X'FAFEFAFE'      END FO#15 (BAT)              VERISA
000670 FA160000          416          DC    X'FA160000'      *** START ***   PURGEF       VERISA
000674 00C00009          417          DC    X'00000009'      EDADEN    0.0                VERISA
000678 00000025          418          DC    X'00000025'      EPVCHK    0.0                VERISA
00067C 00C00018          419          DC    X'00000018'      DPSPUF    0.0                VERISA
000680 00000027          420          DC    X'00000027'      MIVUFF    0.0                VERISA
000684 00C40013          421          DC    X'00040013'      FAVPUF    4.0                VERISA
000688 00060014          422          DC    X'00060014'      MPUUFF    6.0                VERISA
00068C FAFEFAFE          423          DC    X'FAFEFAFE'      END PURGEF                   VERISA
000690 FA170000          424          DC    X'FA170000'      *** START ***   FO#2 T-1 NODE 0  VERISA
000694 00000062          425          DC    X'00000062'      TIMIN0                       VERISA
000698 00C00061          426          DC    X'00000061'      DCPTI0                       VERISA
00069C 00000032          427          DC    X'00000032'      MIVMS1                       VERISA
0006A0 00C00061          428          DC    X'00000061'      TIMTAG                       VERISA
0006A4 00C00061          429          DC    X'00C00061'      TIMTAG                       VERISA
0006A8 FAFEFAFE          430          DC    X'FAFEFAFE'      END FO#2 T-1 NODE 0          VERISA
0006AC FA180000          431          DC    X'FA180000'      *** START ***   FO#2 T-1 NODE 1  VERISA
0006B0 0000000C          432          DC    X'0000000C'      TLZNODE1  0.0                VERISA
0006B4 00C00063          433          DC    X'00C00063'      TIMIN1                       VERISA
0006B8 00000061          434          DC    X'00000061'      DCPTI1                       VERISA
0006BC 00C00061          435          DC    X'00C00061'      TIMTAG                       VERISA
0006C0 001C003C          436          DC    X'001C003C'      MIVUS*   30.0                VERISA
0006C4 00C00061          437          DC    X'00C00061'      TIMTAG   60.0                VERISA
0006C8 FAFEFAFE          438          DC    X'FAFEFAFE'      END FO#2 T-1 NODE 1          VERISA
0006CC FA190000          439          DC    X'FA190000'      *** START ***   FO#2 T-1 NODE 2  VERISA
0006D0 00C00067          440          DC    X'00C00067'      TIMIN2                       VERISA
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LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT FORTRAN 77 10/14/81

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0006D4 0000003C    441          DC    X'0000003C'     MTVE6*    0.0                    VERISH
0006D8 003CC084    442          DC    X'003CC084'     MTVE62    0.0                    VERISH
0006DC 00000064    443          DC    X'00000064'     T1FIR2                           VERISH
0006E0 00CCC070    444          DC    X'00CC0070'     CGPT12                           VERISH
0006E4 00C00061    445          DC    X'00000061'     TIMTAG                           VERISH
0006E8 003C0061    446          DC    X'003C0061'     TIMTAG                           VERISH
0006EC FAFEFAFE    447          DC    X'FAFEFAFE'     END FOR2 T-1 NODE 2              VERISH
0006F0 FA1A0000    448          DC    X'FA1A0000'     *** START ***   FOR2 T-1 NODE 3  VERISH
0006F4 00200CC8    449          DC    X'00000CC8'     FO2NODE3  0.0                    VERISH
0006F8 00C00061    450          DC    X'00000061'     MTVS02    0.0                    VERISH
0006FC 00C00065    451          DC    X'00000065'     T1FIR3                           VERISH
000700 00C00071    452          DC    X'00000071'     CGPT13                           VERISH
000704 00CCC061    453          DC    X'00000061'     TIMTAG                           VERISH
000708 003C0061    454          DC    X'003C0061'     TIMTAG                           VERISH
00070C 0078C061    455          DC    X'0078C061'     TIMTAG                           VERISH
000710 FAFEFAFE    456          DC    X'FAFEFAFE'     END FOR2 T-1 NODE 3              VERISH
000714 FA1B0000    457          DC    X'FA1B0000'     *** START ***   FOR2 T-1 NODE 4  VERISH
000718 00C000C9    458          DC    X'000000C9'     FO2NODE4  0.0                    VERISH
00071C 00C00081    459          DC    X'00000081'     MTVS02    0.0                    VERISH
000720 00CCC066    460          DC    X'00000066'     T1FIR4                           VERISH
000724 00CCCC72    461          DC    X'00000072'     CGPT14                           VERISH
000728 00C00061    462          DC    X'00000061'     TIMTAG                           VERISH
00072C 003C003C    463          DC    X'003C003C'     MTVE6*    60.0                   VERISH
000730 003CCCE1    464          DC    X'003C00E1'     TIMTAG                           VERISH
000734 C078C061    465          DC    X'0078C061'     TIMTAG                           VERISH
000738 FAFEFAFE    466          DC    X'FAFEFAFE'     END FOR2 T-1 NODE 4              VERISH
00073C FA1C0000    467          DC    X'FA1C0000'     *** START ***   FOR2 T-1 NODE 5  VERISH
000740 00C000CA    468          DC    X'000000CA'     FO2NODE5  0.0                    VERISH
000744 00CCC03C    469          DC    X'00000003C'    MTVE6*                           VERISH
000748 00C0C084    470          DC    X'00000084'     MTVE62    0.0                    VERISH
00074C 00CC0067    471          DC    X'00000067'     T1FIR5                           VERISH
000750 00000C73    472          DC    X'00000073'     CGPT15                           VERISH
000754 C0CCC09E    473          DC    X'0000009E'     CALSE15                          VERISH
000758 003C003E    474          DC    X'003C003E'     MTVE61    60.0                   VERISH
00075C 00B4003D    475          DC    X'00B4003D'     CGPIS1    180.0                  VERISH
000760 00B4C0C4    476          DC    X'00B400C4'     BRV7      180.0                  VERISH
000764 00F0003E    477          DC    X'00F0003E'     CGPIS2    240.0                  VERISH
000768 012C003F    478          DC    X'012C003F'     CGPIS3    300.0                  VERISH
00076C 012CC09E    479          DC    X'012C009E'     CALSE15   300.0                  VERISH
000770 0168003D    480          DC    X'0168003D'     CGPIS1    360.0                  VERISH
000774 01A4003E    481          DC    X'01A4003E'     CGPIS2    420.0                  VERISH
000778 01E0003F    482          DC    X'01E0003F'     CGPIS3    480.0                  VERISH
00077C 021C003D    483          DC    X'021C003D'     CGPIS1    540.0                  VERISH
000780 0258003E    484          DC    X'0258003E'     CGPIS2    600.0                  VERISH
000784 C2580C61    485          DC    X'02580061'     TIMTAG    600.0                  VERISH
000788 0294C061    486          DC    X'0294C061'     TIMTAG    660.0                  VERISH
00078C 0294003F    487          DC    X'0294003F'     CGPIS3    660.0                  VERISH
000790 FAFEFAFE    488          DC    X'FAFEFAFE'     END FOR2 T-1 NODE 5              VERISH
000794 FA1D0000    489          DC    X'FA1D0000'     *** START ***   FOR3 T-2 NODE 0  VERISH
000798 00000082    490          DC    X'00000082'     MTVS03    0.0                    VERISH
00079C 00000080    491          DC    X'00000080'     T3SLI     0.0                    VERISH
0007A0 00000063    492          DC    X'00000063'     T2MP3                            VERISH
0007A4 00000074    493          DC    X'00000074'     CGPT20                           VERISH
0007A8 00000039    494          DC    X'00000039'     MTVM*1    0.0                    VERISH
0007AC 00000034    495          DC    X'00000034'     MTVM63    0.0                    VERISH
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LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT F22ROUTS 10/14/81

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000780 00000001          496          DC    X'00000001'     TIMTAG                          VER15K
000784 C03C0001          497          DC    X'003C0001'     TIMTAG                          VER15K
000788 C0780001          498          DC    X'00780001'     TIMTAG                          VER15K
00078C FAFEFAFE          499          DC    X'FAFEFAFE'     END FD#3 T-2 MODE 0             VER15K
000790 FA1E0000          500          DC    X'FA1E0000'  *** START ***   FD#3 T-2 MODE 1   VER15K
000794 C0CC0069          501          DC    X'00CC0069'     T31SET      0.0                 VER15K
000798 03CCCC75          502          DC    X'03CCCC75'     DGPT21                          VER15K
00079C 00C00054          503          DC    X'00C00054'     TIMTG1   0.0                    VER15K
0007A0 00C500E8          504          DC    X'00C500E8'     T24PD    5.0                    VER15K
0007A4 C3320091          505          DC    X'C3320091'     CALSET4 50.0                    VER15K
0007A8 00E8003A          506          DC    X'00E8003A'     MTVMP2 110.0                    VER15K
0007AC 00C80039          507          DC    X'00C80039'     MTVMP1 200.0                    VER15K
0007B0 00C80013          508          DC    X'00C80013'     TAVPOF 200.0                    VER15K
0007B4 00E4009F          509          DC    X'00E4009F'     T3IGP  230.0                    VER15K
0007B8 FAFEFAFE          510          DC    X'FAFEFAFE'     END FD#3 T-2 MODE 1             VER15K
0007BC FA1F0000          511          DC    X'FA1F0000'  *** START ***   FD#4 T-3 MODE 0   VER15K
0007C0 00C00081          512          DC    X'00C00081'     MTVS02                          VER15K
0007C4 00C0009F          513          DC    X'00C0009F'     CALSET4                         VER15K
0007C8 00C00090          514          DC    X'00C00090'     T40SET      0.0                 VER15K
0007CC 00C0006A          515          DC    X'00C0006A'     T3FIR0                          VER15K
0007D0 00C0008F          516          DC    X'00C0008F'     T30HPD      0.0                 VER15K
0007D4 00C0C076          517          DC    X'00C0C076'     DGPT30                          VER15K
0007D8 00D2003B          518          DC    X'00D2003B'     MTVD3P     210.0                VER15K
0007DC FAFEFAFE          519          DC    X'FAFEFAFE'     END FD#4 T-3 MODE 0             VER15K
0007E0 FA200000          520          DC    X'FA200000'  *** START ***   FD#4 T-3 MODE 1   VER15K
0007E4 00C0C0C8          521          DC    X'00C0C0C8'     FD4MODE1    0.0                 VER15K
0007E8 00CC0082          522          DC    X'00CC0082'     MTVS03                          VER15K
0007EC 03C0C09F          523          DC    X'03C0C09F'     CALSET4                         VER15K
0007F0 00C0006B          524          DC    X'00C0006B'     T3FIR1                          VER15K
0007F4 00C0C09F          525          DC    X'00C0C09F'     T30HPD                          VER15K
0007F8 00C0CC77          526          DC    X'00C0CC77'     DGPT31                          VER15K
0007FC 00CA0C39          527          DC    X'00CA0C39'     MTVMP1     10.0                 VER15K
000800 00CA0034          528          DC    X'00CA0034'     MTVBS3     10.0                 VER15K
000804 02560038          529          DC    X'02560038'     MTVD3P    150.0                 VER15K
000808 02560032          530          DC    X'02560032'     MTVBS1    150.0                 VER15K
00080C 00D2003B          531          DC    X'00D2003B'     MTVC31    210.0                 VER15K
000810 FAFEFAFE          532          DC    X'FAFEFAFE'     END FD#4 T-3 MODE 1             VER15K
000814 FA210000          533          DC    X'FA210000'  *** START ***   FD#4 T-3 MODE 2   VER15K
000818 00CCC0CC          534          DC    X'00CC0CCC'     FD4MODE2    0.0                 VER15K
00081C 00C00081          535          DC    X'00C00081'     MTVS02      0.0                 VER15K
000820 03C0C06A          536          DC    X'03C0C06A'     T3FIR2                          VER15K
000824 00CCC099          537          DC    X'00CCC099'     T33SET      0.0                 VER15K
000828 00C00091          538          DC    X'00C00091'     T31GP       0.0                 VER15K
00082C 00CC0076          539          DC    X'00CC0076'     DGPT30                          VER15K
000830 00CC00AF          540          DC    X'00CC00AF'     CALSET4                         VER15K
000834 02560038          541          DC    X'02560038'     MTVC3P    150.0                 VER15K
000838 02560032          542          DC    X'02560032'     MTVB4V    150.0                 VER15K
00083C FAFEFAFE          543          DC    X'FAFEFAFE'     END FD#4 T-3 MODE 2             VER15K
000840 FA220000          544          DC    X'FA220000'  *** START ***   FD#4 T-3 MODE 3   VER15K
000844 00CCC0C0          545          DC    X'00CCC0C0'     FD4MODE3    0.0                 VER15K
000848 00C0C03C          546          DC    X'00C0C03C'     MTVL3       0.0                 VER15K
00084C 00CC0084          547          DC    X'00CC0084'     MTVS4V      0.0                 VER15K
000850 00CCC09F          548          DC    X'00CCC09F'     CALSET4                         VER15K
000854 00CC00E9          549          DC    X'00CC00E9'     T3FIR3                          VER15K
000858 00C00091          550          DC    X'00C00091'     T31GP       0.0                 VER15K
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LOC  OBJECT CODE    ADDR1 ADDR2  STMT  SOURCE STATEMENT                                  FORTRAN IV G1 (V1.0) 10/19/81
000888 00C0CC79              541        DC    X'00000079'       DEPTH
000890 C02CCC76              542        DC    X'02CCC076'       ATV.NP1     76.0
000894 C078C044              543        DC    X'078C0044'       ATMOS      120.0
000898 FAFEFAFE              544        DC    X'FAFEFAFE'       END TEMP T-S MODE 3
000898 FA75C0C0              545        DC    X'FA75C0C0'       *** START ***    ADJUSTED ORI
0008A0 00C0C0FF              546        DC    X'00C0C0FF'       PRESET      0.0
0008A4 00C0C0C5              547        DC    X'00C0C0C5'       STVOFI      0.0
0008A8 00C0C0FD              548        DC    X'00C0C0FD'       EBTEMI      0.0
0008AC 00C0C0FE              549        DC    X'00C0C0FE'       EL+SM2      0.0
0008B0 00C0C0F5              550        DC    X'00C0C0F5'       SPDSET      0.0
0008B4 FAFEFAFE              551        DC    X'FAFEFAFE'       END
0008B8 FA75C0C0              552        DC    X'FA75C0C0'       *** START ***    ADJUSTED START
0008BC 00C0C0FF              553        DC    X'00C0C0FF'       PRESET      0.0
0008C0 00C0C0B5              554        DC    X'00C0C0B5'       STVOFI      0.0
0008C4 00CCC0FE              555        DC    X'00CCC0FE'       EL+SM1      0.0
0008CP 00C0C0F9              556        DC    X'00C0C0F9'       EBMSET      0.0
0008CL 00C0C0FA              557        DC    X'00C0C0FA'       XPSIMT      0.0
0008D0 00C0C0F9              558        DC    X'00C0C0F9'       XPEVPOR     0.0
0008D4 FAFEFAFE              559        DC    X'FAFEFAFE'       END
0008D8 FA26C0C0              560        DC    X'FA26C0C0'       *** START ***    FORM2 (A-AA) MODE 1
0008DC 00C0C0A0              561        DC    X'00C0C0A0'       ADFIR      0.0
0008E0 00C0C0A0              562        DC    X'00C0C0A0'       PHOBA1     0.0
0008E4 00C0C0A1              563        DC    X'00C0C0A1'       PLL81      0.0
0008E8 00C0C0A2              564        DC    X'00C0C0A2'       PHH81      0.0
0008EC 00C0C0A3              565        DC    X'00C0C0A3'       PHL81      0.0
0008F0 00C0C0A4              566        DC    X'00C0C0A4'       EPL81      0.0
0008F4 C0C5C095              567        DC    X'00C4C095'       A3MPD*     5.0
0008F8 001E0061              568        DC    X'001E0061'       TIMTAG    30.0
0008FC 00320060              569        DC    X'00320060'       ADFIR     50.0
000900 003A0061              570        DC    X'003A0061'       TIMTAG    50.0
000904 00640060              571        DC    X'00640060'       ADFIR    100.0
000908 FAFEFAFE              572        DC    X'FAFEFAFE'       END
00090C FA27C0C0              573        DC    X'FA27C0C0'       *** START ***    FORM2 (A-BB) MODE 1
000910 00C0C0A0              574        DC    X'00C0C0A0'       ADFIR      0.0
000914 00C0C0A0              575        DC    X'00C0C0A0'       PHOBA1     0.0
000918 00C0C0A1              576        DC    X'00C0C0A1'       PLL81      0.0
00091C 00C0C0A2              577        DC    X'00C0C0A2'       PHH81      0.0
000920 00C0C0A3              578        DC    X'00C0C0A3'       PHL81      0.0
000924 00C0C0A4              579        DC    X'00C0C0A4'       EPL81      0.0
000928 00C0C026              580        DC    X'00C0C026'       AEP1*      0.0
00092C 00C3C08C              581        DC    X'00C3C08C'       A8WIGP     5.0
000930 001E0061              582        DC    X'001E0061'       TIMTAG    30.0
000934 00320060              583        DC    X'00320060'       ADFIR     50.0
000938 003A0061              584        DC    X'003A0061'       TIMTAG    50.0
00093C 00640060              585        DC    X'00640060'       ADFIR    100.0
000940 FAFEFAFE              586        DC    X'FAFEFAFE'       END
000944 FA29C0C0              587        DC    X'FA29C0C0'       *** START PVCRST
000948 00CCC0C*              588        DC    X'00CCC0C*'       *PVCRST     0.0
00094C FAFEFAFE              589        DC    X'FAFEFAFE'       END PVCRST
                             590        END
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SYMBOL	LEN	VALUE	DEFN	REFERENCES
FOCOM	00001	000000	00001	
FOTAB	00001	000000	00002	0003

NO STATEMENTS FLAGGED IN THIS ASSEMBLY
STATISTICS SOURCE RECORDS (SYSIN) = 600
OPTIONS IN EFFECT LIST, NODECK, LOAD, NORENT, XREF, NOTEST, ALGN, OS, NOTERM, LINECNT = 55
635 PRINTED LINES

EXTERNAL SYMBOL DICTIONARY

SYMBOL	TYPE	ID	ADDR	LENGTH	LD	ID
PCPCOM	SD	01	CCCC00	000402		
SPCTAB	LD		CCCCC0		01	
PCPTAB	LD		CC0019		01	

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT F22NOV74 10/14/81

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000000                              1 PCFCOM   CSECT                                                    VER15A
000000                              2 SPCTAB   EQU   *                                                  VER15A
                                    3          ENTRY  SPCTAB                                            VER15A
000000 00                           4          DC     X'00'          00 PITCH                          VER15A
000001 1E                           5          DC     X'1E'          01 VB                             VER15A
000002 10                           6          DC     X'10'          02 IB                             VER15A
000003 01                           7          DC     X'01'          03 PWIDTH                         VER15A
000004 01                           8          DC     X'01'          04 PEPTH                          VER15A
000005 96                           9          DC     X'96'          05 PINT                           VER15A
000006 02                          10          DC     X'02'          06 TP                             VER15A
000007 02                          11          DC     X'02'          07 PHICV                          VER15A
000008 01                          12          DC     X'01'          08 NRPTH                          VER15A
000009 00                          13          DC     X'00'          09 NRPTN                          VER15A
00000A 0F                          14          DC     X'0F'          0A NINT                           VER15A
00000B 07                          15          DC     X'00'          0B TAUEN                          VER15A
00000C 00                          16          DC     X'00'          0C TAUEN                          VER15A
00000D 03                          17          DC     X'03'          0D TFLG                           VER15A
00000E 00                          18          DC     X'00'          0E TFBACK                         VER15A
00000F 00                          19          DC     X'00'          0F TFAVCK                         VER15A
000010 00                          20          DC     X'00'          10 TTRGCK                         VER15A
000011 00                          21          DC     X'00'          11 TPFNCK                         VER15A
000012 00                          22          DC     X'00'          12 TGASCK                         VER15A
000013 00                          23          DC     X'00'          13 TNSPCK                         VER15A
000014 00                          24          DC     X'00'          14 TCHGCK                         VER15A
000015 00                          25          DC     X'00'          15 SPARE1                         VER15A
000016 00                          26          DC     X'00'          16 SPARE2                         VER15A
000017 32                          27          DC     X'32'          17 LBA PULSE WIDTH FOR PCM11      VER15A
000018 00                          28          DC     X'00'          18 GROUND TEST SWITCH             VER15A
000019                             29 PCFTAB  EQU   *                                                  VER15A
                                   30          ENTRY  PCFTAB                                            VER15A
000019 00                          31          DC     X'00'          01 TAUEN  START PCF FOR 01 (CFG)  VER15A
00001A 05                          32          DC     X'05'          02 TAUEN                          VER15A
00001B 00                          33          DC     X'00'          03 SAD                            VER15A
00001C 00                          34          DC     X'00'          04 DFD                            VER15A
00001D 00                          35          DC     X'00'          05 ALP1                           VER15A
00001E 00                          36          DC     X'00'          06 SELMAS                         VER15A
00001F 0A                          37          DC     X'0A'          07 FV6                            VER15A
000020 0A                          38          DC     X'0A'          08 FIB                            VER15A
000021 0C                          39          DC     X'0C'          09 IHIR                           VER15A
000022 01                          40          DC     X'01'          0A HIFSAF                         VER15A
000023 01                          41          DC     X'01'          0B FSCONF                         VER15A
000024 01                          42          DC     X'01'          0C DFXONF                         VER15A
000025 01                          43          DC     X'01'          0D DFYONF                         VER15A
000026 01                          44          DC     X'01'          0E SW1FLG                         VER15A
000027 01                          45          DC     X'01'          0F SW2FLG                         VER15A
000028 01                          46          DC     X'01'          10 SW3FLG                         VER15A
000029 01                          47          DC     X'01'          11 SW4FLG                         VER15A
00002A 01                          48          DC     X'01'          12 SW5FLG                         VER15A
00002B 01                          49          DC     X'01'          13 SW6FLG                         VER15A
00002C 00                          50          DC     X'00'          14 CPT                            VER15A
00002D 7F                          51          DC     X'7F'          15 AF                             VER15A
00002E 93                          52          DC     X'93'          16 BF                             VER15A
00002F 00                          53          DC     X'00'          17 THLD1                          VER15A
000030 00                          54          DC     X'00'          18 THLD2                          VER15A
000031 02                          55          DC     X'02'          19 FP                             VER15A
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000032 02                56          DC    X'02'          1A  PFRCV                    VER15M
000033 01                57          DC    X'01'          1B  PF1                      VER15M
000034 01                58          DC    X'01'          1C  PF2                      VER15M
000035 01                59          DC    X'01'          1D  PF3                      VER15M
000036 01                60          DC    X'01'          1E  PF4                      VER15M
000037 00                61          DC    X'00'          1F  TFCS                     VER15M
000038 00                62          DC    X'00'          20  FAVS                     VER15M
000039 00                63          DC    X'00'          21  PFNTS                    VER15M
00003A 02                64          DC    X'02'          22  NOCHG                    VER15M
00003B 00                65          DC    X'00'          23  TRCCTD                   VER15M
00003C 0A                66          DC    X'0A'          24  PHOFTR                   VER15M
00003D 01                67          DC    X'01'          25  PWFFGM                   VER15M
00003E 01                68          DC    X'01'          26  PWHFSS                   VER15M
00003F 00                69          DC    X'00'          27  PWLFGN                   VER15M
000040 01                70          DC    X'01'          28  PA                       VER15M
000041 01                71          DC    X'01'          29  PB                       VER15M
000042 01                72          DC    X'01'          2A  PC                       VER15M
000043 01                73          DC    X'01'          2B  PD                       VER15M
000044 01                74          DC    X'01'          2C  PE                       VER15M
000045 00                75          DC    X'00'          2D  EHVC                     VER15M
000046 01                76          DC    X'01'          2E  ANGL                     VER15M
000047 01                77          DC    X'01'          2F  VFONT                    VER15M
000048 00                78          DC    X'00'          30  VFNT                     VER15M
000049 0A                79          DC    X'0A'          31  FILV                     VER15M
00004A 0A                80          DC    X'0A'          32  FSLV                     VER15M
00004B 05                81          DC    X'05'          01  TAUEN   START PCF FOR 02 (T-1)  VER15M
00004C 05                82          DC    X'05'          02  TAULN                    VER15M
00004D 00                83          DC    X'00'          03  SMO                      VER15M
00004E 00                84          DC    X'00'          04  RFO                      VER15M
00004F 00                85          DC    X'00'          05  ACPT                     VER15M
000050 00                86          DC    X'00'          06  SELMAS                   VER15M
000051 0A                87          DC    X'0A'          07  FVB                      VER15M
000052 0A                88          DC    X'0A'          08  FTB                      VER15M
000053 5A                89          DC    X'5A'          09  IBIR                     VER15M
000054 01                90          DC    X'01'          0A  HTRUNI                   VER15M
000055 01                91          DC    X'01'          0B  FOCONF                   VER15M
000056 01                92          DC    X'01'          0C  DFAONF                   VER15M
000057 01                93          DC    X'01'          0D  DFVONF                   VER15M
000058 00                94          DC    X'00'          0E  SW1FLG                   VER15M
000059 00                95          DC    X'00'          0F  SW2FLG                   VER15M
00005A 01                96          DC    X'01'          10  SW3FLG                   VER15M
00005B 01                97          DC    X'01'          11  SW4FLG                   VER15M
00005C 01                98          DC    X'01'          12  SW5FLG                   VER15M
00005D 01                99          DC    X'01'          13  SW6FLG                   VER15M
00005E 00               100          DC    X'00'          14  CHI                      VER15M
00005F 7F               101          DC    X'7F'          15  AF                       VER15M
000060 83               102          DC    X'83'          16  BF                       VER15M
000061 00               103          DC    X'00'          17  THLD1                    VER15M
000062 00               104          DC    X'00'          18  THLD2                    VER15M
000063 02               105          DC    X'02'          19  FP                       VER15M
000064 02               106          DC    X'02'          1A  PFRCV                    VER15M
000065 01               107          DC    X'01'          1B  PF1                      VER15M
000066 01               108          DC    X'01'          1C  PF2                      VER15M
000067 01               109          DC    X'01'          1D  PF3                      VER15M
000068 01               110          DC    X'01'          1E  PF4                      VER15M
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000069 00                  111          DC    X'00'      1F  TRGS                    VER15W
00006A 00                  112          DC    X'00'      20  FAVS                    VER15W
00006B 00                  113          DC    X'00'      21  PFNTS                   VER15W
00006C 02                  114          DC    X'02'      22  NUCHG                   VER15W
00006D 00                  115          DC    X'00'      23  TRCCTG                  VER15W
00006E 01                  116          DC    X'0A'      24  PICFIR                  VER15W
00006F 01                  117          DC    X'01'      25  PWRFGN                  VER15W
000070 01                  118          DC    X'01'      26  PWRFBS                  VER15W
000071 00                  119          DC    X'00'      27  PWLIGN                  VER15W
000072 01                  120          DC    X'01'      28  PA                      VER15W
000073 01                  121          DC    X'01'      29  PB                      VER15W
000074 01                  122          DC    X'01'      2A  PC                      VER15W
000075 01                  123          DC    X'01'      2B  PD                      VER15W
000076 01                  124          DC    X'01'      2C  PE                      VER15W
000077 01                  125          DC    X'01'      2D  EHVC                    VER15W
000078 01                  126          DC    X'01'      2E  ANGL                    VER15W
000079 01                  127          DC    X'01'      2F  VFOR                    VER15W
00007A 00                  128          DC    X'00'      30  VFRT                    VER15W
00007B 0A                  129          DC    X'0A'      31  FILV                    VER15W
00007C 0A                  130          DC    X'0A'      32  TSLV                    VER15W
00007D 05                  131          DC    X'05'      01  TAULH   START PCF FLW 03 (T-2)  VER15W
00007E 05                  132          DC    X'05'      02  TAUEN                   VER15W
00007F 00                  133          DC    X'00'      03  SMD                     VER15W
000080 00                  134          DC    X'00'      04  MFD                     VER15W
000081 00                  135          DC    X'00'      05  AEPI                    VER15W
000082 00                  136          DC    X'00'      06  SELMAS                  VER15W
000083 0A                  137          DC    X'0A'      07  FVD                     VER15W
000084 0A                  138          DC    X'0A'      08  FTD                     VER15W
000085 8C                  139          DC    X'8C'      09  INTR                    VER15W
000086 01                  140          DC    X'01'      0A  HTRONF                  VER15W
000087 01                  141          DC    X'01'      0B  FOLONF                  VER15W
000088 01                  142          DC    X'01'      0C  OFXONF                  VER15W
000089 01                  143          DC    X'01'      0D  OFYONF                  VER15W
00008A 01                  144          DC    X'01'      0E  SW1FLG                 VER15W
00008B 01                  145          DC    X'01'      0F  SW2FLG                 VER15W
00008C 01                  146          DC    X'01'      10  SW3FLG                 VER15W
00008D 01                  147          DC    X'01'      11  SW4FLG                 VER15W
00008E 01                  148          DC    X'01'      12  SW5FLG                 VER15W
00008F 01                  149          DC    X'01'      13  SW6FLG                 VER15W
000090 00                  150          DC    X'00'      14  CTT                     VER15W
000091 7F                  151          DC    X'7F'      15  AF                      VER15W
000092 83                  152          DC    X'83'      16  DF                      VER15W
000093 00                  153          DC    X'00'      17  THLD1                   VER15W
000094 00                  154          DC    X'00'      18  THLD2                   VER15W
000095 02                  155          DC    X'02'      19  FP                      VER15W
000096 02                  156          DC    X'02'      1A  PFRCV                   VER15W
000097 01                  157          DC    X'01'      1B  PF1                     VER15W
000098 01                  158          DC    X'01'      1C  PF2                     VER15W
000099 01                  159          DC    X'01'      1D  PF3                     VER15W
00009A 01                  160          DC    X'01'      1E  PF4                     VER15W
00009B 00                  161          DC    X'00'      1F  TRGS                    VER15W
00009C 00                  162          DC    X'00'      20  FAVS                    VER15W
00009D 00                  163          DC    X'00'      21  PFNTS                   VER15W
00009E 02                  164          DC    X'02'      22  NUCHG                   VER15W
00009F 00                  165          DC    X'00'      23  TRGCTL                  VER15W
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LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT			
0000A0	01			166	DC	X'0A'	24 PHOLIR	VERISM
0000A1	01			167	DC	X'01'	25 PWRFGR	VERISM
0000A2	01			168	DC	X'01'	26 PWRFGS	VERISM
0000A3	00			169	DC	X'00'	27 PWLFGH	VERISM
0000A4	01			170	DC	X'01'	28 PA	VERISM
0000A5	01			171	DC	X'01'	29 PB	VERISM
0000A6	01			172	DC	X'01'	2A PC	VERISM
0000A7	01			173	DC	X'01'	2B PD	VERISM
0000A8	01			174	DC	X'01'	2C PE	VERISM
0000A9	01			175	DC	X'01'	2D ERMC	VERISM
0000AA	01			176	DC	X'01'	2E AMSL	VERISM
0000AB	01			177	DC	X'01'	2F VFOM	VERISM
0000AC	00			178	DC	X'00'	30 VFAT	VERISM
0000AD	0A			179	DC	X'0A'	31 FILV	VERISM
0000AE	0A			180	DC	X'0A'	32 FSLV	VERISM
0000AF	05			181	DC	X'05'	01 TADEM START PCF FLG 05 (1=3)	VERISM
0000B0	04			182	DC	X'04'	02 TAULH	VERISM
0000B1	05			183	DC	X'05'	03 STD	VERISM
0000B2	00			184	DC	X'00'	04 MFD	VERISM
0000B3	00			185	DC	X'00'	05 AEPI	VERISM
0000B4	00			186	DC	X'00'	06 SELMAS	VERISM
0000B5	0A			187	DC	X'0A'	07 FVS	VERISM
0000B6	0A			188	DC	X'0A'	08 FIC	VERISM
0000B7	0C			189	DC	X'0C'	09 IHTR	VERISM
0000B9	01			190	DC	X'01'	0A HTRCNF	VERISM
0000B9	01			191	DC	X'01'	0B FOCONF	VERISM
0000BA	01			192	DC	X'01'	0C DFXJBF	VERISM
0000BB	01			193	DC	X'01'	0D DFYJBF	VERISM
0000BC	01			194	DC	X'01'	0E SW1FLG	VERISM
0000BD	01			195	DC	X'01'	0F SW2FLG	VERISM
0000BE	01			196	DC	X'01'	10 SW3FLG	VERISM
0000BF	01			197	DC	X'01'	11 SW4FLG	VERISM
0000C0	01			198	DC	X'01'	12 SW5FLG	VERISM
0000C1	01			199	DC	X'01'	13 SW6FLG	VERISM
0000C2	84			200	DC	X'84'	14 CNT	VERISM
0000C3	7F			201	DC	X'7F'	15 AF	VERISM
0000C4	23			202	DC	X'23'	16 BF	VERISM
0000C5	00			203	DC	X'00'	17 THLD1	VERISM
0000C6	00			204	DC	X'00'	18 THLD2	VERISM
0000C7	04			205	DC	X'04'	19 FP	VERISM
0000C8	02			206	DC	X'02'	1A PTRCV	VERISM
0000C9	01			207	DC	X'01'	1B PF1	VERISM
0000CA	01			208	DC	X'01'	1C PF2	VERISM
0000CB	01			209	DC	X'01'	1D PF3	VERISM
0000CC	01			210	DC	X'01'	1E PF4	VERISM
0000CD	00			211	DC	X'00'	1F TRSS	VERISM
0000CE	00			212	DC	X'00'	20 HAVS	VERISM
0000CF	00			213	DC	X'00'	21 PPBTS	VERISM
0000D0	02			214	DC	X'02'	22 MJCHG	VERISM
0000D1	00			215	DC	X'00'	23 FSCCTC	VERISM
0000D2	0A			216	DC	X'0A'	24 PHLFIR	VERISM
0000D3	01			217	DC	X'01'	25 PWRFGR	VERISM
0000D4	01			218	DC	X'01'	26 PWRFBS	VERISM
0000D5	00			219	DC	X'00'	27 PWLFGH	VERISM
0000D6	01			220	DC	X'01'	28 PA	VERISM

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0000D7	01		221	DC	X'01'	29 PB	VERISH
0000D8	01		222	DC	X'01'	2A PC	VERISH
0000D9	01		223	DC	X'01'	2B PD	VERISH
0000DA	01		224	DC	X'01'	2C PE	VERISH
0000DB	01		225	DC	X'01'	2D LINC	VERISH
0000DC	01		226	DC	X'01'	2E ANGL	VERISH
0000DD	01		227	DC	X'01'	2F VFON	VERISH
0000DE	00		228	DC	X'00'	30 VFNT	VERISH
0000DF	0A		229	DC	X'0A'	31 FILV	VERISH
0000E0	0A		230	DC	X'0A'	32 FSEV	VERISH
0000E1	05		231	DC	X'05'	01 TAUDH START PCF FOR 05 (A-1A)	VERISH
0000E2	05		232	DC	X'05'	02 TAUEN	VERISH
0000E3	00		233	DC	X'00'	03 SNS	VERISH
0000E4	00		234	DC	X'00'	04 RFD	VERISH
0000E5	00		235	DC	X'00'	05 NEP1	VERISH
0000E6	00		236	DC	X'00'	06 SELMAS	VERISH
0000E7	0A		237	DC	X'0A'	07 PVP	VERISH
0000E8	0A		238	DC	X'0A'	08 PID	VERISH
0000E9	8C		239	DC	X'8C'	09 INTR	VERISH
0000EA	01		240	DC	X'01'	0A HTRONF	VERISH
0000EB	01		241	DC	X'01'	0B FOCONF	VERISH
0000EC	01		242	DC	X'01'	0C DFXONF	VERISH
0000ED	01		243	DC	X'01'	0D DFYONF	VERISH
0000EE	00		244	DC	X'00'	0E SW1FLG	VERISH
0000EF	00		245	DC	X'00'	0F SW2FLG	VERISH
0000F0	01		246	DC	X'01'	10 SW3FLG	VERISH
0000F1	01		247	DC	X'01'	11 SW4FLG	VERISH
0000F2	01		248	DC	X'01'	12 SW5FLG	VERISH
0000F3	01		249	DC	X'01'	13 SW6FLG	VERISH
0000F4	00		250	DC	X'00'	14 CNT	VERISH
0000F5	7F		251	DC	X'7F'	15 AF	VERISH
0000F6	83		252	DC	X'83'	16 BF	VERISH
0000F7	00		253	DC	X'00'	17 THLD1	VERISH
0000F8	00		254	DC	X'00'	18 THLD2	VERISH
0000F9	02		255	DC	X'02'	19 FP	VERISH
0000FA	02		256	DC	X'02'	1A PFNCV	VERISH
0000FB	01		257	DC	X'01'	1B PF1	VERISH
0000FC	01		258	DC	X'01'	1C PF2	VERISH
0000FD	01		259	DC	X'01'	1D PF3	VERISH
0000FE	01		260	DC	X'01'	1E PF4	VERISH
0000FF	00		261	DC	X'00'	1F TRGS	VERISH
000100	00		262	DC	X'00'	20 FAVS	VERISH
000101	00		263	DC	X'00'	21 PFNTS	VERISH
000102	02		264	DC	X'02'	22 NOCHS	VERISH
000103	00		265	DC	X'00'	23 ERSCFD	VERISH
000104	0A		266	DC	X'0A'	24 PHOFIR	VERISH
000105	01		267	DC	X'01'	25 PWRTON	VERISH
000106	01		268	DC	X'01'	26 PWRERS	VERISH
000107	00		269	DC	X'00'	27 PULTON	VERISH
000108	01		270	DC	X'01'	28 PA	VERISH
000109	01		271	DC	X'01'	29 PB	VERISH
00010A	01		272	DC	X'01'	2A PC	VERISH
00010B	01		273	DC	X'01'	2B PD	VERISH
00010C	01		274	DC	X'01'	2C PE	VERISH
00010D	01		275	DC	X'01'	2D LINC	VERISH

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000108 01                    276          DC    X'01'      2C  ANGL                    VERISM
000109 01                    277          DC    X'01'      2F  VFON                    VERISM
00010A 00                    278          DC    X'00'      30  VFNT                    VERISM
00010B 0A                    279          DC    X'0A'      31  FILV                    VERISM
00010C 0A                    280          DC    X'0A'      32  FSLV                    VERISM
00010D 05                    281          DC    X'05'      01  TAUCN   START PCF FCN 05 (A-18)  VERISM
00010E 05                    282          DC    X'05'      02  TAUEN                   VERISM
00010F 00                    283          DC    X'00'      03  SMG                     VERISM
000110 00                    284          DC    X'00'      04  IFU                     VERISM
000111 00                    285          DC    X'00'      05  AEPT                    VERISM
000112 00                    286          DC    X'00'      06  SCLMAS                  VERISM
000113 0A                    287          DC    X'0A'      07  FVG                     VERISM
000114 0A                    288          DC    X'0A'      08  FIL                     VERISM
000115 0C                    289          DC    X'0C'      09  IHTR                    VERISM
000116 01                    290          DC    X'01'      0A  HTRONF                  VERISM
000117 01                    291          DC    X'01'      0B  FOCONF                  VERISM
000118 01                    292          DC    X'01'      0C  DFXONF                  VERISM
000119 01                    293          DC    X'01'      0D  DFYONF                  VERISM
00011A 00                    294          DC    X'00'      0E  SW1FLG                  VERISM
00011B 00                    295          DC    X'00'      0F  SW2FLG                  VERISM
00011C 01                    296          DC    X'01'      10  SW3FLG                  VERISM
00011D 01                    297          DC    X'01'      11  SW4FLG                  VERISM
00011E 01                    298          DC    X'01'      12  SW5FLG                  VERISM
00011F 01                    299          DC    X'01'      13  SW6FLG                  VERISM
000120 00                    300          DC    X'00'      14  CNT                     VERISM
000121 7F                    301          DC    X'7F'      15  AF                      VERISM
000122 93                    302          DC    X'93'      16  BF                      VERISM
000123 00                    303          DC    X'00'      17  THLD1                   VERISM
000124 00                    304          DC    X'00'      18  THLD2                   VERISM
000125 02                    305          DC    X'02'      19  FP                      VERISM
000126 02                    306          DC    X'02'      1A  PFNCV                   VERISM
000127 01                    307          DC    X'01'      1B  PF1                     VERISM
000128 01                    308          DC    X'01'      1C  PF2                     VERISM
000129 01                    309          DC    X'01'      1D  PF3                     VERISM
00012A 01                    310          DC    X'01'      1E  PF4                     VERISM
00012B 00                    311          DC    X'00'      1F  TRGS                    VERISM
00012C 00                    312          DC    X'00'      20  FAVS                    VERISM
00012D 00                    313          DC    X'00'      21  PFNTS                   VERISM
00012E 02                    314          DC    X'02'      22  NUCHG                   VERISM
00012F 00                    315          DC    X'00'      23  TRGCFD                  VERISM
000130 0A                    316          DC    X'0A'      24  PWUFIR                  VERISM
000131 01                    317          DC    X'01'      25  PWHIGN                  VERISM
000132 01                    318          DC    X'01'      26  PWHFDS                  VERISM
000133 00                    319          DC    X'00'      27  PWLFGN                  VERISM
000134 01                    320          DC    X'01'      28  PA                      VERISM
000135 01                    321          DC    X'01'      29  PB                      VERISM
000136 01                    322          DC    X'01'      2A  PC                      VERISM
000137 01                    323          DC    X'01'      2B  PD                      VERISM
000138 01                    324          DC    X'01'      2C  PE                      VERISM
000139 00                    325          DC    X'00'      2D  LHVC                    VERISM
00013A 01                    326          DC    X'01'      2E  NMSL                    VERISM
00013B 01                    327          DC    X'01'      2F  VFON                    VERISM
00013C 00                    328          DC    X'00'      30  VFNT                    VERISM
00013D 0A                    329          DC    X'0A'      31  FILV                    VERISM
00013E 0A                    330          DC    X'0A'      32  FSLV                    VERISM
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LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT F22NOV74 10/14/81

```
000145 05                    331          DC    X'05'          01  TADEM   START PCF TCW 06 (A-2)          VERISW
000146 09                    332          DC    X'09'          02  TADEN                                   VERISW
000147 00                    333          DC    X'00'          03  SMS                                     VERISW
000148 00                    334          DC    X'00'          04  MFD                                     VERISW
000149 00                    335          DC    X'00'          05  ALPI                                    VERISW
00014A 00                    336          DC    X'00'          06  SELMAS                                  VERISW
00014B 0A                    337          DC    X'0A'          07  FVB                                     VERISW
00014C 0A                    338          DC    X'0A'          08  FIB                                     VERISW
00014D 8C                    339          DC    X'8C'          09  IHIR                                    VERISW
00014E 01                    340          DC    X'01'          0A  HTRONF                                  VERISW
00014F 01                    341          DC    X'01'          0B  FOCONF                                  VERISW
000150 01                    342          DC    X'01'          0C  DFXONF                                  VERISW
000151 01                    343          DC    X'01'          0D  DFYONF                                  VERISW
000152 00                    344          DC    X'00'          0E  SW1FLG                                  VERISW
000153 00                    345          DC    X'00'          0F  SW2FLG                                  VERISW
000154 01                    346          DC    X'01'          10  SW3FLG                                  VERISW
000155 01                    347          DC    X'01'          11  SW4FLG                                  VERISW
000156 01                    348          DC    X'01'          12  SW5FLG                                  VERISW
000157 01                    349          DC    X'01'          13  SW6FLG                                  VERISW
000158 00                    350          DC    X'00'          14  CNT                                     VERISW
000159 7F                    351          DC    X'7F'          15  AF                                      VERISW
00015A 83                    352          DC    X'83'          16  BF                                      VERISW
00015B 00                    353          DC    X'00'          17  THLD1                                   VERISW
00015C 00                    354          DC    X'00'          18  THLD2                                   VERISW
00015D 02                    355          DC    X'02'          19  FP                                      VERISW
00015E 02                    356          DC    X'02'          1A  PFNOW                                   VERISW
00015F 01                    357          DC    X'01'          1B  PF1                                     VERISW
000160 01                    358          DC    X'01'          1C  PF2                                     VERISW
000161 01                    359          DC    X'01'          1D  PF3                                     VERISW
000162 01                    360          DC    X'01'          1E  PF4                                     VERISW
000163 00                    361          DC    X'00'          1F  TRGS                                    VERISW
000164 00                    362          DC    X'00'          20  FAVS                                    VERISW
000165 00                    363          DC    X'00'          21  PFNTS                                   VERISW
000166 02                    364          DC    X'02'          22  MOCHG                                   VERISW
000167 00                    365          DC    X'00'          23  TRGCHG                                  VERISW
000168 0A                    366          DC    X'0A'          24  PHSFIR                                  VERISW
000169 01                    367          DC    X'01'          25  PWHFGN                                  VERISW
00016A 01                    368          DC    X'01'          26  PWHFBS                                  VERISW
00016B 00                    369          DC    X'00'          27  PWLFGN                                  VERISW
00016C 01                    370          DC    X'01'          28  PA                                      VERISW
00016D 01                    371          DC    X'01'          29  PB                                      VERISW
00016E 01                    372          DC    X'01'          2A  PC                                      VERISW
00016F 01                    373          DC    X'01'          2B  PD                                      VERISW
000170 01                    374          DC    X'01'          2C  PE                                      VERISW
000171 01                    375          DC    X'01'          2D  LINVC                                   VERISW
000172 01                    376          DC    X'01'          2E  ANGL                                    VERISW
000173 01                    377          DC    X'01'          2F  VFCN                                    VERISW
000174 00                    378          DC    X'00'          30  VFTI                                    VERISW
000175 0A                    379          DC    X'0A'          31  FILV                                    VERISW
000176 0A                    380          DC    X'0A'          32  FSLV                                    VERISW
000177 00                    381          DC    X'00'          01  TADLM   START PCF TCW 07 (A-3)          VERISW
000178 05                    382          DC    X'05'          02  TADFN                                   VERISW
000179 00                    383          DC    X'00'          03  SMS                                     VERISW
00017A 00                    384          DC    X'00'          04  MFD                                     VERISW
00017B 00                    385          DC    X'00'          05  MPI                                     VERISW
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LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT F22NOV74 10/14/81

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000170 00                    386          DC    X'00'        06  SELMAS                VERISK
000170 0A                    387          DC    X'0A'        07  FVO                   VERISK
000171 0A                    388          DC    X'0A'        08  FIB                   VERISK
000171 3C                    389          DC    X'3C'        09  THIK                  VERISK
000180 01                    390          DC    X'01'        0A  HTKONF                VERISK
000181 01                    391          DC    X'01'        0B  FOCONF               VERISK
000182 01                    392          DC    X'01'        0C  DFYONF               VERISK
000183 01                    393          DC    X'01'        0D  DFYONF               VERISK
000184 00                    394          DC    X'00'        0E  SWITCG               VERISK
000185 00                    395          DC    X'00'        0F  SW2FLG               VERISK
000186 01                    396          DC    X'01'        10  SW3FLG               VERISK
000187 01                    397          DC    X'01'        11  SW4FLG               VERISK
000188 01                    398          DC    X'01'        12  SW5FLG               VERISK
000189 01                    399          DC    X'01'        13  SW6FLG               VERISK
00018A 00                    400          DC    X'00'        14  CNT                   VERISK
00018B 7F                    401          DC    X'7F'        15  AF                    VERISK
00018C 83                    402          DC    X'83'        16  BF                    VERISK
00018D 00                    403          DC    X'00'        17  THLD1                 VERISK
00018F 00                    404          DC    X'00'        18  THLD2                 VERISK
00018F 04                    405          DC    X'04'        19  FP                    VERISK
000190 02                    406          DC    X'02'        1A  PFNCV                 VERISK
000191 01                    407          DC    X'01'        1B  PF1                   VERISK
000192 01                    408          DC    X'01'        1C  PF2                   VERISK
000193 01                    409          DC    X'01'        1D  PF3                   VERISK
000194 01                    410          DC    X'01'        1E  PF4                   VERISK
000195 00                    411          DC    X'00'        1F  TRGS                  VERISK
000196 00                    412          DC    X'00'        20  FAVS                  VERISK
000197 00                    413          DC    X'00'        21  PFATS                 VERISK
000198 02                    414          DC    X'02'        22  AUCHG                 VERISK
000199 00                    415          DC    X'00'        23  TRCCFG                VERISK
00019A 0A                    416          DC    X'0A'        24  PHOTAR                VERISK
00019B 01                    417          DC    X'01'        25  PHIFGN                VERISK
00019C 01                    418          DC    X'01'        26  PHIFBS                VERISK
00019D 00                    419          DC    X'00'        27  PHLFGN                VERISK
00019E 01                    420          DC    X'01'        28  PA                    VERISK
00019F 01                    421          DC    X'01'        29  PB                    VERISK
0001A0 01                    422          DC    X'01'        2A  PC                    VERISK
0001A1 01                    423          DC    X'01'        2B  PD                    VERISK
0001A2 01                    424          DC    X'01'        2C  PE                    VERISK
0001A3 01                    425          DC    X'01'        2D  CHVC                  VERISK
0001A4 01                    426          DC    X'01'        2E  ANGL                  VERISK
0001A5 01                    427          DC    X'01'        2F  VFOR                  VERISK
0001A6 00                    428          DC    X'00'        30  VERT                  VERISK
0001A7 0A                    429          DC    X'0A'        31  FREV                  VERISK
0001A8 0A                    430          DC    X'0A'        32  FSLV                  VERISK
0001A9 05                    431          DC    X'05'        01  TAUEN   START PCI TCK 08 1A-FF  VERISK
0001AA 05                    432          DC    X'05'        02  TAUEN                 VERISK
0001AB 00                    433          DC    X'00'        03  SMO                   VERISK
0001AC 00                    434          DC    X'00'        04  MFO                   VERISK
0001AD 01                    435          DC    X'01'        05  ALPI                  VERISK
0001AE 00                    436          DC    X'00'        06  SELMAS                VERISK
0001AF 0A                    437          DC    X'0A'        07  FVO                   VERISK
0001B0 0A                    438          DC    X'0A'        08  FIB                   VERISK
0001B1 3C                    439          DC    X'3C'        09  THIK                  VERISK
0001B2 01                    440          DC    X'01'        0A  HTKONF                VERISK
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LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT F22NOV74 10/14/81

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0001B3 01                  441          DC    X'01'          08  FOCONT                VERISW
0001B4 01                  442          DC    X'01'          0C  DFXONF               VERISW
0001B5 01                  443          DC    X'01'          0D  DFYONF               VERISW
0001B6 01                  444          DC    X'01'          0E  SW1FLG               VERISW
0001B7 01                  445          DC    X'01'          0F  SW2FLG               VERISW
0001B8 01                  446          DC    X'01'          10  SW3FLG               VERISW
0001B9 01                  447          DC    X'01'          11  SW4FLG               VERISW
0001BA 01                  448          DC    X'01'          12  SW5FLG               VERISW
0001BB 01                  449          DC    X'01'          13  SW6FLG               VERISW
0001BC 00                  450          DC    X'00'          14  CNT                  VERISW
0001BD 7F                  451          DC    X'7F'          15  AF                   VERISW
0001BE 83                  452          DC    X'83'          16  BF                   VERISW
0001BF 00                  453          DC    X'00'          17  THLD1                VERISW
0001C0 00                  454          DC    X'00'          18  THED2                VERISW
0001C1 02                  455          DC    X'02'          19  FP                   VERISW
0001C2 02                  456          DC    X'02'          1A  PTRCV                VERISW
0001C3 01                  457          DC    X'01'          1B  PF1                  VERISW
0001C4 01                  458          DC    X'01'          1C  PF2                  VERISW
0001C5 01                  459          DC    X'01'          1D  PF3                  VERISW
0001C6 01                  460          DC    X'01'          1E  PF4                  VERISW
0001C7 00                  461          DC    X'00'          1F  TRGS                 VERISW
0001C8 00                  462          DC    X'00'          20  FAVS                 VERISW
0001C9 00                  463          DC    X'00'          21  PFNTS                VERISW
0001CA 02                  464          DC    X'02'          22  NOCHG                VERISW
0001CB 00                  465          DC    X'00'          23  TRGCHD               VERISW
0001CC 0A                  466          DC    X'0A'          24  PROFTR               VERISW
0001CD 01                  467          DC    X'01'          25  PWFFGN               VERISW
0001CE 01                  468          DC    X'01'          26  PWRFCS               VERISW
0001CF 00                  469          DC    X'00'          27  PWLFGN               VERISW
0001D0 01                  470          DC    X'01'          28  PA                   VERISW
0001D1 01                  471          DC    X'01'          29  PB                   VERISW
0001D2 01                  472          DC    X'01'          2A  PC                   VERISW
0001D3 01                  473          DC    X'01'          2B  PD                   VERISW
0001D4 01                  474          DC    X'01'          2C  PE                   VERISW
0001D5 01                  475          DC    X'01'          2D  LHVC                 VERISW
0001D6 01                  476          DC    X'01'          2E  ANGL                 VERISW
0001D7 01                  477          DC    X'01'          2F  VFON                 VERISW
0001D8 00                  478          DC    X'00'          30  VFMT                 VERISW
0001D9 0A                  479          DC    X'0A'          31  FILV                 VERISW
0001DA 0A                  480          DC    X'0A'          32  FSLV                 VERISW
0001DB 05                  481          DC    X'05'          01  TAUEM   START PCI FOR J9 (A-5A)  VERISW
0001DC 05                  482          DC    X'05'          02  TAUEN                VERISW
0001DD 00                  483          DC    X'00'          03  SRU                  VERISW
0001DE 00                  484          DC    X'00'          04  HFD                  VERISW
0001DF 01                  485          DC    X'01'          05  AEPI                 VERISW
0001E0 00                  486          DC    X'00'          06  SCLMAS               VERISW
0001E1 0A                  487          DC    X'0A'          07  FVD                  VERISW
0001E2 0A                  488          DC    X'0A'          08  FID                  VERISW
0001E3 0C                  489          DC    X'0C'          09  IHIR                 VERISW
0001E4 01                  490          DC    X'01'          0A  HIRQPH               VERISW
0001E5 01                  491          DC    X'01'          0B  FOCONF               VERISW
0001E6 01                  492          DC    X'01'          0C  DFXONF               VERISW
0001E7 01                  493          DC    X'01'          0D  DFYONF               VERISW
0001E8 01                  494          DC    X'01'          0E  SW1FLG               VERISW
0001E9 01                  495          DC    X'01'          0F  SW2FLG               VERISW
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0001FA	01	496	DC	X'01'	10	SW5FLG	VERISM
0001FB	01	497	DC	X'01'	11	SW9FLG	VERISM
0001FC	01	498	DC	X'01'	12	SW8FLG	VERISM
0001FD	01	499	DC	X'01'	13	SW6FLG	VERISM
0001FE	01	500	DC	X'01'	14	CHI	VERISM
0001FF	7F	501	DC	X'7F'	15	XT	VERISM
000200	83	502	DC	X'83'	16	YF	VERISM
000201	00	503	DC	X'00'	17	THLD1	VERISM
000202	00	504	DC	X'00'	18	THLD2	VERISM
000203	02	505	DC	X'02'	19	TP	VERISM
000204	02	506	DC	X'02'	1A	PTRCV	VERISM
000205	01	507	DC	X'01'	1B	PF1	VERISM
000206	01	508	DC	X'01'	1C	PF2	VERISM
000207	01	509	DC	X'01'	1D	PF3	VERISM
000208	01	510	DC	X'01'	1E	PF4	VERISM
000209	00	511	DC	X'00'	1F	TRG5	VERISM
00020A	00	512	DC	X'00'	20	TAVS	VERISM
00020B	00	513	DC	X'00'	21	PFNTS	VERISM
00020C	02	514	DC	X'02'	22	NOLHG	VERISM
00020D	00	515	DC	X'00'	23	TRGCTD	VERISM
00020E	0A	516	DC	X'0A'	24	PHOFIR	VERISM
00020F	01	517	DC	X'01'	25	PWRFGN	VERISM
000210	01	518	DC	X'01'	26	PWRTDS	VERISM
000211	00	519	DC	X'00'	27	PWLFGN	VERISM
000212	01	520	DC	X'01'	28	PA	VERISM
000213	01	521	DC	X'01'	29	PB	VERISM
000214	01	522	DC	X'01'	2A	PC	VERISM
000215	01	523	DC	X'01'	2B	PD	VERISM
000216	01	524	DC	X'01'	2C	PE	VERISM
000217	01	525	DC	X'01'	2D	CHVC	VERISM
000218	01	526	DC	X'01'	2E	ANGL	VERISM
000219	01	527	DC	X'01'	2F	VFCO	VERISM
00021A	00	528	DC	X'00'	30	VFNT	VERISM
00021B	0A	529	DC	X'0A'	31	FTLV	VERISM
00021C	0A	530	DC	X'0A'	32	FSLV	VERISM
00021D	05	531	DC	X'05'	01	TAUEN START PCF FOR 09 (A-58)	VERISM
00021E	05	532	DC	X'05'	02	TAUEN	VERISM
00021F	00	533	DC	X'00'	03	SNC	VERISM
000220	00	534	DC	X'00'	04	MFD	VERISM
000221	01	535	DC	X'01'	05	ACPT	VERISM
000222	00	536	DC	X'00'	06	SELMAS	VERISM
000223	0A	537	DC	X'0A'	07	FVB	VERISM
000224	0A	538	DC	X'0A'	08	FTB	VERISM
000225	8C	539	DC	X'8C'	09	THIR	VERISM
000226	01	540	DC	X'01'	0A	HTRJNF	VERISM
000227	01	541	DC	X'01'	0B	FUGUN	VERISM
000228	01	542	DC	X'01'	0C	DFXSNF	VERISM
000229	01	543	DC	X'01'	0D	DFYSNF	VERISM
00022A	01	544	DC	X'01'	0E	SW1FLG	VERISM
00022B	01	545	DC	X'01'	0F	SW2FLG	VERISM
00022C	01	546	DC	X'01'	10	SW3FLG	VERISM
00022D	01	547	DC	X'01'	11	SW4FLG	VERISM
00022E	01	548	DC	X'01'	12	SW5FLG	VERISM
00022F	01	549	DC	X'01'	13	SW6FLG	VERISM
000230	01	550	DC	X'01'	14	CHI	VERISM

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000241 7F                  551          DC    X'7F'          15 AI                                VERISW
000242 83                  552          DC    X'83'          16 BF                                VERISW
000243 00                  553          DC    X'00'          17 THLD1                             VERISW
000244 00                  554          DC    X'00'          18 THLD2                             VERISW
000245 04                  555          DC    X'04'          19 FP                                VERISW
000246 02                  556          DC    X'02'          1A PFRCV                             VERISW
000247 01                  557          DC    X'01'          1B PF1                               VERISW
000248 01                  558          DC    X'01'          1C PF2                               VERISW
000249 01                  559          DC    X'01'          1D PF3                               VERISW
00024A 01                  560          DC    X'01'          1E PF4                               VERISW
00024B 00                  561          DC    X'00'          1F TRGS                              VERISW
00024C 00                  562          DC    X'00'          20 TRVS                              VERISW
00024D 00                  563          DC    X'00'          21 PTRTS                             VERISW
00024E 02                  564          DC    X'02'          22 MOCHG                             VERISW
00024F 00                  565          DC    X'00'          23 TRGCHD                            VERISW
000250 0A                  566          DC    X'0A'          24 PHDFIR                            VERISW
000251 01                  567          DC    X'01'          25 PWRFGN                            VERISW
000252 01                  568          DC    X'01'          26 PWRFBS                            VERISW
000253 00                  569          DC    X'00'          27 PWLFGN                            VERISW
000254 01                  570          DC    X'01'          28 PA                                VERISW
000255 01                  571          DC    X'01'          29 PB                                VERISW
000256 01                  572          DC    X'01'          2A PC                                VERISW
000257 01                  573          DC    X'01'          2B PD                                VERISW
000258 01                  574          DC    X'01'          2C PE                                VERISW
000259 01                  575          DC    X'01'          2D EHVC                              VERISW
00025A 01                  576          DC    X'01'          2E ANGL                              VERISW
00025B 01                  577          DC    X'01'          2F VFGN                              VERISW
00025C 00                  578          DC    X'00'          30 VFRT                              VERISW
00025D 0A                  579          DC    X'0A'          31 FILV                              VERISW
00025E 0A                  580          DC    X'0A'          32 FSLV                              VERISW
00025F 05                  581          DC    X'05'          01 TAUEM   START PCF FC# 34 (A-SC)    VERISW
000260 05                  582          DC    X'05'          02 TAUEN                             VERISW
000261 00                  583          DC    X'00'          03 SMS                               VERISW
000262 00                  584          DC    X'00'          04 MFG                               VERISW
000263 01                  585          DC    X'01'          05 ALPI                              VERISW
000264 00                  586          DC    X'00'          06 SELMAS                            VERISW
000265 0A                  587          DC    X'0A'          07 FVE                               VERISW
000266 0A                  588          DC    X'0A'          08 FIB                               VERISW
000267 8C                  589          DC    X'8C'          09 INTR                              VERISW
000268 01                  590          DC    X'01'          0A HTRCNF                            VERISW
000269 01                  591          DC    X'01'          0B FOCONF                            VERISW
00026A 01                  592          DC    X'01'          0C DFXONF                            VERISW
00026B 01                  593          DC    X'01'          0D DFYONF                            VERISW
00026C 01                  594          DC    X'01'          0E SW1FLG                            VERISW
00026D 01                  595          DC    X'01'          0F SW2FLG                            VERISW
00026E 01                  596          DC    X'01'          10 SW3FLG                            VERISW
00026F 01                  597          DC    X'01'          11 SW4FLG                            VERISW
000270 01                  598          DC    X'01'          12 SW5FLG                            VERISW
000271 01                  599          DC    X'01'          13 SW6FLG                            VERISW
000272 94                  600          DC    X'94'          14 CNT                               VERISW
000273 7F                  601          DC    X'7F'          15 AI                                VERISW
000274 83                  602          DC    X'83'          16 BF                                VERISW
000275 00                  603          DC    X'00'          17 THLD1                             VERISW
000276 00                  604          DC    X'00'          18 THLD2                             VERISW
000277 02                  605          DC    X'02'          19 FP                                VERISW
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000258 02            606          DC    X'02'       1A  PFNCV                    VERISW
000259 01            607          DC    X'01'       1B  PF1                      VERISW
00025A 01            608          DC    X'01'       1C  PF2                      VERISW
00025B 01            609          DC    X'01'       1D  PF3                      VERISW
00025C 01            610          DC    X'01'       1E  PF4                      VERISW
00025D 00            611          DC    X'00'       1F  TRGS                     VERISW
00025E 00            612          DC    X'00'       20  PAVS                     VERISW
00025F 00            613          DC    X'00'       21  PFNTS                    VERISW
000260 02            614          DC    X'02'       22  NOCHG                    VERISW
000261 00            615          DC    X'00'       23  TRGCFD                   VERISW
000262 0A            616          DC    X'0A'       24  PWHFIR                   VERISW
000263 01            617          DC    X'01'       25  PWHFGN                   VERISW
000264 01            618          DC    X'01'       26  PWHFBS                   VERISW
000265 00            619          DC    X'00'       27  PWLFGN                   VERISW
000266 01            620          DC    X'01'       28  PA                       VERISW
000267 01            621          DC    X'01'       29  PB                       VERISW
000268 01            622          DC    X'01'       2A  PC                       VERISW
000269 01            623          DC    X'01'       2B  PD                       VERISW
00026A 01            624          DC    X'01'       2C  PE                       VERISW
00026B 01            625          DC    X'01'       2D  EHVC                     VERISW
00026C 01            626          DC    X'01'       2E  ANGL                     VERISW
00026D 01            627          DC    X'01'       2F  VFON                     VERISW
00026E 00            628          DC    X'00'       30  VFMT                     VERISW
00026F 0A            629          DC    X'0A'       31  FILV                     VERISW
000270 0A            630          DC    X'0A'       32  FSLV                     VERISW
000271 05            631          DC    X'05'       01  TAJEM   START PCF FC# ID (A-6)  VERISW
000272 05            632          DC    X'05'       02  TAJEN                    VERISW
000273 00            633          DC    X'00'       03  SMS                      VERISW
000274 00            634          DC    X'00'       04  MFO                      VERISW
000275 01            635          DC    X'01'       05  ACPT                     VERISW
000276 00            636          DC    X'00'       06  SELMAS                   VERISW
000277 0A            637          DC    X'0A'       07  FVR                      VERISW
000278 0A            638          DC    X'0A'       08  FIB                      VERISW
000279 9C            639          DC    X'9C'       09  THTR                     VERISW
00027A 01            640          DC    X'01'       0A  HTRONF                   VERISW
00027B 01            641          DC    X'01'       0B  FOCONF                   VERISW
00027C 01            642          DC    X'01'       0C  DFXONF                   VERISW
00027D 01            643          DC    X'01'       0D  DFYONF                   VERISW
00027E 01            644          DC    X'01'       0E  SW1FLG                   VERISW
00027F 01            645          DC    X'01'       0F  SW2FLG                   VERISW
000280 01            646          DC    X'01'       10  SW3FLG                   VERISW
000281 01            647          DC    X'01'       11  SW4FLG                   VERISW
000282 01            648          DC    X'01'       12  SW5FLG                   VERISW
000283 01            649          DC    X'01'       13  SW6FLG                   VERISW
000284 80            650          DC    X'80'       14  CNT                      VERISW
000285 7F            651          DC    X'7F'       15  AF                       VERISW
000286 83            652          DC    X'83'       16  DF                       VERISW
000287 3C            653          DC    X'3C'       17  THLD1                    VERISW
000288 3C            654          DC    X'3C'       18  THLD2                    VERISW
000289 04            655          DC    X'04'       19  IP                       VERISW
00028A 02            656          DC    X'02'       1A  PFNCV                    VERISW
00028B 01            657          DC    X'01'       1B  PF1                      VERISW
00028C 01            658          DC    X'01'       1C  PF2                      VERISW
00028D 01            659          DC    X'01'       1D  PF3                      VERISW
00028E 01            660          DC    X'01'       1E  PF4                      VERISW
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LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT F22H0V74 10/14/81

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000291 00                    661          DC    X'00'          1F  TR65                VER15A
000290 00                    662          DC    X'00'          20  TAV5                VER15A
000291 00                    663          DC    X'00'          21  PHAIS               VER15A
000292 02                    664          DC    X'02'          22  TDCHG               VER15A
000293 00                    665          DC    X'00'          23  TRGCTD              VER15A
000294 0A                    666          DC    X'0A'          24  PHGFIR              VER15A
000295 01                    667          DC    X'01'          25  PWIFGN              VER15A
000296 01                    668          DC    X'01'          26  PWIFBS              VER15A
000297 00                    669          DC    X'00'          27  PWLFGN              VER15A
000298 01                    670          DC    X'01'          28  PA                  VER15A
000299 01                    671          DC    X'01'          29  PB                  VER15A
00029A 01                    672          DC    X'01'          2A  PC                  VER15A
00029B 01                    673          DC    X'01'          2B  PD                  VER15A
00029C 01                    674          DC    X'01'          2C  PE                  VER15A
00029D 01                    675          DC    X'01'          2D  EHVC                VER15A
00029E 01                    676          DC    X'01'          2E  ANGL                VER15A
00029F 01                    677          DC    X'01'          2F  VFON                VER15A
0002A0 00                    678          DC    X'00'          30  VFAT                VER15A
0002A1 0A                    679          DC    X'0A'          31  FILV                VER15A
0002A2 0A                    680          DC    X'0A'          32  FSLV                VER15A
0002A3 05                    681          DC    X'05'          01  TAUL1   START PCF FOR 11 (A-7)  VER15A
0002A4 05                    682          DC    X'05'          02  TAUL2               VER15A
0002A5 00                    683          DC    X'00'          03  SHU                 VER15A
0002A6 00                    684          DC    X'00'          04  HFD                 VER15A
0002A7 01                    685          DC    X'01'          05  ADPI                VER15A
0002A8 00                    686          DC    X'00'          06  SELMAS              VER15A
0002A9 0A                    687          DC    X'0A'          07  FVD                 VER15A
0002AA 0A                    688          DC    X'0A'          08  FIR                 VER15A
0002AB 8C                    689          DC    X'8C'          09  IMIR                VER15A
0002AC 01                    690          DC    X'01'          0A  HIRONF              VER15A
0002AD 01                    691          DC    X'01'          0B  FOCONF              VER15A
0002AE 01                    692          DC    X'01'          0C  DFYONF              VER15A
0002AF 01                    693          DC    X'01'          0D  DMYONF              VER15A
000280 01                    694          DC    X'01'          0E  SW1FLG              VER15A
000281 01                    695          DC    X'01'          0F  SW2FLG              VER15A
000282 01                    696          DC    X'01'          10  SW3FLG              VER15A
000283 01                    697          DC    X'01'          11  SW4FLG              VER15A
000284 01                    698          DC    X'01'          12  SW5FLG              VER15A
000285 01                    699          DC    X'01'          13  SW6FLG              VER15A
000286 00-1                  700          DC    X'00-1'        14  CNT                 VER15A
000287 7F                    701          DC    X'7F'          15  AP                  VER15A
000288 83                    702          DC    X'83'          16  PF                  VER15A
000289 3C                    703          DC    X'3C'          17  THED1               VER15A
00028A 3C                    704          DC    X'3C'          18  THED2               VER15A
00028B 04                    705          DC    X'04'          19  IP                  VER15A
00028C 02-4                  706          DC    X'02-4'        1A  PFRCV               VER15A
00028D 01                    707          DC    X'01'          1B  PF1                 VER15A
00028E 01                    708          DC    X'01'          1C  PF2                 VER15A
00028F 01                    709          DC    X'01'          1D  PF3                 VER15A
0002C0 01                    710          DC    X'01'          1E  PF4                 VER15A
0002C1 00                    711          DC    X'00'          1F  TR65                VER15A
0002C2 00                    712          DC    X'00'          20  TAV5                VER15A
0002C3 00                    713          DC    X'00'          21  PHAIS               VER15A
0002C4 02                    714          DC    X'02'          22  TDCHG               VER15A
0002C5 00                    715          DC    X'00'          23  TRGCTD              VER15A
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LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT FASBIV/1 10/14/81

```
0002C6 0A                716        DC    X'0A'        24 PROLIP                    VERISM
0002C7 01                717        DC    X'01'        25 PROFLG                    VERISM
0002C8 01                718        DC    X'01'        26 PROFAS                    VERISM
0002C9 01                719        DC    X'01'        27 PRTFOR                    VERISM
0002CA 01                720        DC    X'01'        28 PA                        VERISM
0002CB 01                721        DC    X'01'        29 PB                        VERISM
0002CC 01                722        DC    X'01'        2A PC                        VERISM
0002CD 01                723        DC    X'01'        2B PD                        VERISM
0002CE 01                724        DC    X'01'        2C PE                        VERISM
0002CF 01                725        DC    X'01'        2D CHVC                      VERISM
0002D0 01                726        DC    X'01'        2E ANGL                      VERISM
0002D1 01                727        DC    X'01'        2F VFCN                      VERISM
0002D2 00                728        DC    X'00'        30 VERT                      VERISM
0002D3 0A                729        DC    X'0A'        31 FIEV                      VERISM
0002D4 0A                730        DC    X'0A'        32 FSLV                      VERISM
0002D5 05                731        DC    X'05'        01 TABLEN  START PCF TOR 12 TA=047 VERISM
0002D6 05                732        DC    X'05'        02 TAJLN                     VERISM
0002D7 00                733        DC    X'00'        03 SMS                       VERISM
0002D8 00                734        DC    X'00'        04 RPO                       VERISM
0002D9 01                735        DC    X'01'        05 ADPT                      VERISM
0002DA 00                736        DC    X'00'        06 SELMAS                    VERISM
0002DB 0A                737        DC    X'0A'        07 FVO                       VERISM
0002DC 0A                738        DC    X'0A'        08 FIB                       VERISM
0002DD 8C                739        DC    X'8C'        09 THTR                      VERISM
0002DE 01                740        DC    X'01'        0A HTFUNF                    VERISM
0002DF 01                741        DC    X'01'        0B FOCUNF                    VERISM
0002E0 01                742        DC    X'01'        0C DFXUNF                    VERISM
0002E1 01                743        DC    X'01'        0D DFYUNF                    VERISM
0002E2 01                744        DC    X'01'        0E SW1FLG                    VERISM
0002E3 01                745        DC    X'01'        0F SW2FLG                    VERISM
0002E4 01                746        DC    X'01'        10 SW3FLG                    VERISM
0002E5 01                747        DC    X'01'        11 SW4FLG                    VERISM
0002E6 01                748        DC    X'01'        12 SW5FLG                    VERISM
0002E7 01                749        DC    X'01'        13 SW6FLG                    VERISM
0002E8 00                750        DC    X'00'        14 CNT                       VERISM
0002E9 7F                751        DC    X'7F'        15 AF                        VERISM
0002EA 83                752        DC    X'83'        16 BF                        VERISM
0002EB 3C                753        DC    X'3C'        17 THED1                     VERISM
0002EC 3C                754        DC    X'3C'        18 THED2                     VERISM
0002ED 04                755        DC    X'04'        19 FP                        VERISM
0002EE 02                756        DC    X'02'        1A PHNCV                     VERISM
0002EF 01                757        DC    X'01'        1B PF1                       VERISM
0002F0 01                758        DC    X'01'        1C PF2                       VERISM
0002F1 01                759        DC    X'01'        1D PF3                       VERISM
0002F2 01                760        DC    X'01'        1E PF4                       VERISM
0002F3 00                761        DC    X'00'        1F TXGS                      VERISM
0002F4 00                762        DC    X'00'        20 TAVS                      VERISM
0002F5 00                763        DC    X'00'        21 PENTS                     VERISM
0002F6 02                764        DC    X'02'        22 JOLHG                     VERISM
0002F7 00                765        DC    X'00'        23 TRSCHD                    VERISM
0002F8 0A                766        DC    X'0A'        24 PRLFIR                    VERISM
0002F9 01                767        DC    X'01'        25 PHRFOR                    VERISM
0002FA 01                768        DC    X'01'        26 PHRFAS                    VERISM
0002FB 00                769        DC    X'00'        27 PHLFGH                    VERISM
0002FC 01                770        DC    X'01'        28 PA                        VERISM
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LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT F22R0V74 10/14/81

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0002FD 01                    771          DC    X'01'       29  PB                  VERISM
0002FE 01                    772          DC    X'01'       2A  PC                  VERISM
0002FF 01                    773          DC    X'01'       2B  PD                  VERISM
000300 01                    774          DC    X'01'       2C  PE                  VERISM
000301 01                    775          DC    X'01'       2D  EHVC                VERISM
000302 01                    776          DC    X'01'       2E  AUGC                VERISM
000303 01                    777          DC    X'01'       2F  VEQU                VERISM
000304 00                    778          DC    X'00'       30  VFBIT               VERISM
000305 0A                    779          DC    X'0A'       31  FILV                VERISM
000306 0A                    780          DC    X'0A'       32  FSLV                VERISM
000307 05                    781          DC    X'05'       01  TAUEH   START PCI FOR 12 (A-80)  VERISM
000308 05                    782          DC    X'05'       02  TAUEN               VERISM
000309 00                    783          DC    X'00'       03  SMO                 VERISM
00030A 00                    784          DC    X'00'       04  MFS                 VERISM
00030B 01                    785          DC    X'01'       05  ALPI                VERISM
00030C 00                    786          DC    X'00'       06  SELMAS              VERISM
00030D 0A                    787          DC    X'0A'       07  FVB                 VERISM
00030E 0A                    788          DC    X'0A'       08  FID                 VERISM
00030F 80                    789          DC    X'80'       09  IHIR                VERISM
000310 01                    790          DC    X'01'       0A  HTFONF              VERISM
000311 01                    791          DC    X'01'       0B  FUCONF              VERISM
000312 01                    792          DC    X'01'       0C  DFXONF              VERISM
000313 01                    793          DC    X'01'       0D  DFYONF              VERISM
000314 01                    794          DC    X'01'       0E  SW1FLG              VERISM
000315 01                    795          DC    X'01'       0F  SW2FLG              VERISM
000316 01                    796          DC    X'01'       10  SW3FLG              VERISM
000317 01                    797          DC    X'01'       11  SW4FLG              VERISM
000318 01                    798          DC    X'01'       12  SW5FLG              VERISM
000319 01                    799          DC    X'01'       13  SW6FLG              VERISM
00031A 00                    800          DC    X'00'       14  CNT                 VERISM
00031B 7F                    801          DC    X'7F'       15  AF                  VERISM
00031C 83                    802          DC    X'83'       16  BF                  VERISM
00031D 00                    803          DC    X'00'       17  THCD1               VERISM
00031E 00                    804          DC    X'00'       18  THCD2               VERISM
00031F 02                    805          DC    X'02'       19  PP                  VERISM
000320 02                    806          DC    X'02'       1A  PPRCV               VERISM
000321 01                    807          DC    X'01'       1B  PF1                 VERISM
000322 01                    808          DC    X'01'       1C  PF2                 VERISM
000323 01                    809          DC    X'01'       1D  PF3                 VERISM
000324 01                    810          DC    X'01'       1E  PF4                 VERISM
000325 00                    811          DC    X'00'       1F  TRGS                VERISM
000326 00                    812          DC    X'00'       20  TAVS                VERISM
000327 00                    813          DC    X'00'       21  PFNTS               VERISM
000328 02                    814          DC    X'02'       22  MJCHG               VERISM
000329 00                    815          DC    X'00'       23  TRGCFG              VERISM
00032A 0A                    816          DC    X'0A'       24  PHSTIM              VERISM
00032B 01                    817          DC    X'01'       25  PWFFOR              VERISM
00032C 01                    818          DC    X'01'       26  PWFFOS              VERISM
00032D 00                    819          DC    X'00'       27  PWLFGN              VERISM
00032E 01                    820          DC    X'01'       28  PA                  VERISM
00032F 01                    821          DC    X'01'       29  PB                  VERISM
000330 01                    822          DC    X'01'       2A  PC                  VERISM
000331 01                    823          DC    X'01'       2B  PD                  VERISM
000332 01                    824          DC    X'01'       2C  PE                  VERISM
000333 01                    825          DC    X'01'       2D  EHVC                VERISM
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LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT F22A0V74 10/14/81

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000334 01                    826          DC    X'01'       2E  ANGL                VERISK
000335 01                    827          DC    X'01'       2F  VRGT                VERISK
000336 00                    829          DC    X'00'       30  VRAT                VERISK
000337 0A                    829          DC    X'0A'       31  FILV                VERISK
000338 0A                    830          DC    X'0A'       32  FSLV                VERISK
000339 05                    831          DC    X'05'       33  TAUEM  START POF FCW 13 (P-1)  VERISK
00033A 05                    832          DC    X'05'       34  TAUEN               VERISK
00033B 00                    833          DC    X'00'       35  SMC                 VERISK
00033C 00                    834          DC    X'00'       36  MFC                 VERISK
00033D 01                    835          DC    X'01'       37  ALFI                VERISK
00033E 00                    836          DC    X'00'       38  SELMAS              VERISK
00033F 0A                    837          DC    X'0A'       39  FVB                 VERISK
000340 0A                    838          DC    X'0A'       3A  FTB                 VERISK
000341 8C                    839          DC    X'8C'       3B  THTR                VERISK
000342 01                    840          DC    X'01'       3C  HTRCNT              VERISK
000343 01                    841          DC    X'01'       3D  TRCONT              VERISK
000344 01                    842          DC    X'01'       3E  DPXONF              VERISK
000345 01                    843          DC    X'01'       3F  DPYONF              VERISK
000346 01                    844          DC    X'01'       40  SW1FLG              VERISK
000347 01                    845          DC    X'01'       41  SW2FLG              VERISK
000348 01                    846          DC    X'01'       42  SW3FLG              VERISK
000349 01                    847          DC    X'01'       43  SW4FLG              VERISK
00034A 01                    848          DC    X'01'       44  SW5FLG              VERISK
00034B 01                    849          DC    X'01'       45  SW6FLG              VERISK
00034C 00                    850          DC    X'00'       46  CNT                 VERISK
00034D 7F                    851          DC    X'7F'       47  AF                  VERISK
00034E 83                    852          DC    X'83'       48  BF                  VERISK
00034F 00                    853          DC    X'00'       49  THLD1               VERISK
000350 00                    854          DC    X'00'       4A  THLD2               VERISK
000351 02                    855          DC    X'02'       4B  TP                  VERISK
000352 02                    856          DC    X'02'       4C  PHICV               VERISK
000353 01                    857          DC    X'01'       4D  PF1                 VERISK
000354 01                    858          DC    X'01'       4E  PF2                 VERISK
000355 01                    859          DC    X'01'       4F  PF3                 VERISK
000356 01                    860          DC    X'01'       50  PF4                 VERISK
000357 00                    861          DC    X'00'       51  TRGS                VERISK
000358 00                    862          DC    X'00'       52  FAVS                VERISK
000359 00                    863          DC    X'00'       53  PFNTS               VERISK
00035A 02                    864          DC    X'02'       54  NUCHG               VERISK
00035B 00                    865          DC    X'00'       55  TRGCFD              VERISK
00035C 0A                    866          DC    X'0A'       56  PRNTIR              VERISK
00035D 01                    867          DC    X'01'       57  PWRFGR              VERISK
00035E 01                    868          DC    X'01'       58  PWRFGS              VERISK
00035F 00                    869          DC    X'00'       59  PXLFGN              VERISK
000360 01                    870          DC    X'01'       5A  PA                  VERISK
000361 01                    871          DC    X'01'       5B  PB                  VERISK
000362 01                    872          DC    X'01'       5C  PC                  VERISK
000363 01                    873          DC    X'01'       5D  PD                  VERISK
000364 01                    874          DC    X'01'       5E  PE                  VERISK
000365 01                    875          DC    X'01'       5F  CHVC                VERISK
000366 01                    876          DC    X'01'       60  ANGL                VERISK
000367 01                    877          DC    X'01'       61  VRGT                VERISK
000368 00                    878          DC    X'00'       62  VRAT                VERISK
000369 0A                    879          DC    X'0A'       63  FILV                VERISK
00036A 0A                    880          DC    X'0A'       64  FSLV                VERISK
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000368 05          881          DC    X'05'        01  TAUEN   START PCF TON 1• (P-2)      VERISK
000369 05          882          DC    X'05'        02  TAUEN                               VERISK
00036A 00          883          DC    X'00'        03  SMU                                 VERISK
00036B 00          884          DC    X'00'        04  MFU                                 VERISK
00036C 01          885          DC    X'01'        05  AEP1                                VERISK
00036D 00          886          DC    X'00'        06  SELMAS                              VERISK
00036E 01          887          DC    X'01'        07  FVB                                 VERISK
00036F 0A          888          DC    X'0A'        08  FIS                                 VERISK
000370 8C          889          DC    X'8C'        09  INIR                                VERISK
000371 01          890          DC    X'01'        0A  NTRONF                              VERISK
000372 01          891          DC    X'01'        0B  FULONF                              VERISK
000373 01          892          DC    X'01'        0C  DFXONF                              VERISK
000374 01          893          DC    X'01'        0D  JIYONF                              VERISK
000375 01          894          DC    X'01'        0E  SW1FLG                              VERISK
000376 01          895          DC    X'01'        0F  SW2FLG                              VERISK
000377 01          896          DC    X'01'        10  SW3FLG                              VERISK
000378 01          897          DC    X'01'        11  SW4FLG                              VERISK
000379 01          898          DC    X'01'        12  SW5FLG                              VERISK
00037A 01          899          DC    X'01'        13  SW6FLG                              VERISK
00037B 00          900          DC    X'00'        14  CNT                                 VERISK
00037C 7F          901          DC    X'7F'        15  AF                                  VERISK
00037D 83          902          DC    X'83'        16  BF                                  VERISK
00037E 00          903          DC    X'00'        17  THLD1                               VERISK
00037F 00          904          DC    X'00'        18  THED2                               VERISK
000380 02          905          DC    X'02'        19  FP                                  VERISK
000381 02          906          DC    X'02'        1A  PFNCV                               VERISK
000382 01          907          DC    X'01'        1B  PF1                                 VERISK
000383 01          908          DC    X'01'        1C  PF2                                 VERISK
000384 01          909          DC    X'01'        1D  PF3                                 VERISK
000385 01          910          DC    X'01'        1E  PF4                                 VERISK
000386 00          911          DC    X'00'        1F  IRCS                                VERISK
000387 05          912          DC    X'05'        20  FAVS                                VERISK
000388 00          913          DC    X'00'        21  PFNTS                               VERISK
000389 02          914          DC    X'02'        22  KOCHG                               VERISK
00038A 05          915          DC    X'00'        23  TRCCPO                              VERISK
00038B 0A          916          DC    X'0A'        24  PHOFIR                              VERISK
00038C 01          917          DC    X'01'        25  PWPFGN                              VERISK
00038D 01          918          DC    X'01'        26  PWPFBS                              VERISK
00038E 00          919          DC    X'00'        27  PWLFGN                              VERISK
00038F 01          920          DC    X'01'        28  PA                                  VERISK
000390 01          921          DC    X'01'        29  PB                                  VERISK
000391 01          922          DC    X'01'        2A  PC                                  VERISK
000392 01          923          DC    X'01'        2B  PD                                  VERISK
000393 01          924          DC    X'01'        2C  PE                                  VERISK
000394 01          925          DC    X'01'        2D  BHVC                                VERISK
000395 01          926          DC    X'01'        2E  ANGL                                VERISK
000396 01          927          DC    X'01'        2F  VFGN                                VERISK
000397 00          928          DC    X'00'        30  VFNT                                VERISK
000398 0A          929          DC    X'04'        31  FILV                                VERISK
000399 0A          930          DC    X'0A'        32  FSLV                                VERISK
00039A 05          931          DC    X'05'        33  TAUEN   START PCF FOR 15 (LPR)      VERISK
00039B 05          932          DC    X'05'        34  TAUEN                               VERISK
00039C 00          933          DC    X'00'        35  SMU                                 VERISK
00039D 00          934          DC    X'00'        36  MFU                                 VERISK
00039E 01          935          DC    X'01'        37  AEP1                                VERISK
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  LOC  OBJECT CODE   ADDR1 ADDR2  STMT   SOURCE STATEMENT                                          F?????7?  16/14/7?

0003A2 06                          936          DC    X'06'         06  SITGAS                                 VERISW
000333 07                          937          DC    X'07'         07  FVL                                    VERISW
0003A4 0A                          938          DC    X'0A'         08  FIR                                    VERISW
0003A5 0C                          939          DC    X'0C'         09  THTP                                   VERISW
0003A6 01                          940          DC    X'01'         0A  HICPH                                  VERISW
0003A7 01                          941          DC    X'01'         0B  TDCTUT                                 VERISW
0003A8 01                          942          DC    X'01'         0C  DEAGUF                                 VERISW
0003A9 01                          943          DC    X'01'         0D  DENGUF                                 VERISW
0003AA 01                          944          DC    X'01'         0E  SW1FLG                                 VERISW
0003AB 01                          945          DC    X'01'         0F  SW2FLG                                 VERISW
0003AC 01                          946          DC    X'01'         10  SW3FLG                                 VERISW
0003AD 01                          947          DC    X'01'         11  SW4FLG                                 VERISW
0003AE 01                          948          DC    X'01'         12  SW5FLG                                 VERISW
0003AF 01                          949          DC    X'01'         13  SW6FLG                                 VERISW
0003B0 00                          950          DC    X'00'         14  CJT                                    VERISW
0003B1 7F                          951          DC    X'7F'         15  AF                                     VERISW
0003B2 83                          952          DC    X'83'         16  BF                                     VERISW
0003B3 03                          953          DC    X'03'         17  THED1                                  VERISW
0003B4 03                          954          DC    X'03'         18  THED2                                  VERISW
0003B5 02                          955          DC    X'02'         19  FP                                     VERISW
0003B6 02                          956          DC    X'02'         1A  PFNCV                                  VERISW
0003B7 01                          957          DC    X'01'         1B  PF1                                    VERISW
0003B8 01                          958          DC    X'01'         1C  PF2                                    VERISW
0003B9 01                          959          DC    X'01'         1D  PF3                                    VERISW
0003BA 01                          960          DC    X'01'         1E  PF4                                    VERISW
0003BB 00                          961          DC    X'00'         1F  TRGS                                   VERISW
0003BC 00                          962          DC    X'00'         20  FAVG                                   VERISW
0003BD 00                          963          DC    X'00'         21  PFNTS                                  VERISW
0003BE 02                          964          DC    X'02'         22  NOCHG                                  VERISW
0003BF 00                          965          DC    X'00'         23  TRGCFG                                 VERISW
0003C0 0A                          966          DC    X'0A'         24  PHOFIR                                 VERISW
0003C1 01                          967          DC    X'01'         25  PWHFGN                                 VERISW
0003C2 01                          968          DC    X'01'         26  PWHFBS                                 VERISW
0003C3 00                          969          DC    X'00'         27  PHCFGN                                 VERISW
0003C4 01                          970          DC    X'01'         28  PA                                     VERISW
0003C5 01                          971          DC    X'01'         29  PB                                     VERISW
0003C6 01                          972          DC    X'01'         2A  PC                                     VERISW
0003C7 01                          973          DC    X'01'         2B  PD                                     VERISW
0003C8 01                          974          DC    X'01'         2C  PE                                     VERISW
0003C9 01                          975          DC    X'01'         2D  CHVC                                   VERISW
0003CA 01                          976          DC    X'01'         2E  ANGL                                   VERISW
0003CB 01                          977          DC    X'01'         2F  VFON                                   VERISW
0003CC 00                          978          DC    X'00'         30  VFST                                   VERISW
0003CD 0A                          979          DC    X'0A'         31  FILV                                   VERISW
0003CE 0A                          980          DC    X'0A'         32  FSLV                                   VERISW
0003CF 05                          981          DC    X'05'         01  TAUEH   START PCF 1?? SPARE 01         VERISW
0003D0 05                          982          DC    X'05'         02  TAUEN                                  VERISW
0003D1 00                          983          DC    X'00'         03  SMU                                    VERISW
0003D2 00                          984          DC    X'00'         04  ?TJ                                    VERISW
0003D3 01                          985          DC    X'01'         05  AEPI                                   VERISW
0003D4 00                          986          DC    X'00'         06  SELMAS                                 VERISW
0003D5 0A                          987          DC    X'0A'         07  IVT                                    VERISW
0003D6 0A                          988          DC    X'0A'         08  FIP                                    VERISW
0003D7 EC                          989          DC    X'EC'         09  THR                                    VERISW
0003D8 01                          990          DC    X'01'         0A  HIGHF                                  VERISW
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ORIGINAL PAGE IS
OF POOR QUALITY

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT F22H0V7% 10/14/81

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0003D9 01                  991          DC    X'01'        3B  FOCUNF      VERISM
0003DA 01                  992          DC    X'01'        3C  DFXONF      VERISM
0003DB 01                  993          DC    X'01'        3D  DFYONF      VERISM
0003DC 01                  994          DC    X'01'        3E  SWITFLG     VERISM
0003DD 01                  995          DC    X'01'        3F  SW2FLG      VERISM
0003DE 01                  996          DC    X'01'        40  SW3FLG      VERISM
0003DF 01                  997          DC    X'01'        41  SW4FLG      VERISM
0003E0 01                  998          DC    X'01'        42  SW5FLG      VERISM
0003E1 01                  999          DC    X'01'        43  SW6FLG      VERISM
0003E2 00                 1000          DC    X'00'        44  CNT         VERISM
0003E3 7F                 1001          DC    X'7F'        45  AF          VERISM
0003E4 83                 1002          DC    X'83'        46  BF          VERISM
0003E5 00                 1003          DC    X'00'        47  THED1       VERISM
0003E6 00                 1004          DC    X'00'        48  THED2       VERISM
0003E7 02                 1005          DC    X'02'        49  FP          VERISM
0003E8 02                 1006          DC    X'02'        4A  PFNCV       VERISM
0003E9 01                 1007          DC    X'01'        4B  PF1         VERISM
0003EA 01                 1008          DC    X'01'        4C  PF2         VERISM
0003EB 01                 1009          DC    X'01'        4D  PF3         VERISM
0003EC 01                 1010          DC    X'01'        4E  PF4         VERISM
0003ED 00                 1011          DC    X'00'        4F  TRGS        VERISM
0003EE 00                 1012          DC    X'00'        50  FAVS        VERISM
0003EF 00                 1013          DC    X'00'        51  PFNTS       VERISM
0003F0 02                 1014          DC    X'02'        52  NOCHG       VERISM
0003F1 00                 1015          DC    X'00'        53  TRGCHG      VERISM
0003F2 0A                 1016          DC    X'0A'        54  PHOFIR      VERISM
0003F3 01                 1017          DC    X'01'        55  PWHFGN      VERISM
0003F4 01                 1018          DC    X'01'        56  PWMFGS      VERISM
0003F5 00                 1019          DC    X'00'        57  PWLFGN      VERISM
0003F6 01                 1020          DC    X'01'        58  PA          VERISM
0003F7 01                 1021          DC    X'01'        59  PB          VERISM
0003F8 01                 1022          DC    X'01'        5A  PC          VERISM
0003F9 01                 1023          DC    X'01'        5B  PD          VERISM
0003FA 01                 1024          DC    X'01'        5C  PE          VERISM
0003FB 01                 1025          DC    X'01'        5D  EHVC        VERISM
0003FC 01                 1026          DC    X'01'        5E  ANGL        VERISM
0003FD 01                 1027          DC    X'01'        5F  VFON        VERISM
0003FE 00                 1028          DC    X'00'        60  VFMT        VERISM
0003FF 0A                 1029          DC    X'0A'        61  FILV        VERISM
000400 0A                 1030          DC    X'0A'        62  FSLV        VERISM
000401 FC                 1031          DC    X'FE'        63  FE          VERISM
                          1032          END                              VERISM
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SYMBOL    LEN  VALUE  DEFN   REFERENCES

PCFCOM    00001 000000 00031
PCFTAB    00001 000019 00029  0030
SPCTAB    00001 000000 00032  0003

NO STATEMENTS FLAGGED IN THIS ASSEMBLY
*STATISTICS*     SOURCE RECORDS (SYSIN) = 1032
*OPTIONS IN EFFECT*   LIST, NODECK, LOAD, NOREENT, XREF, NOTEST, ALGN, 05, NOTERM, LINECNT = 55
 1085 PRINTED LINES
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SYMBOL	TYPE	ID	ADDR	LENGTH	LD ID
C40CDM	SD	01	000000	000204	
COMTAB	LD		000000		01

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT				F22NOV74 10/14/81
000000				1	CMDCOM CSECT				VERISW
000000				2	CONTAB ECU *				VERISW
				3	ENTRY CONTAB				VERISW
000000	10C3000000CF			4	DC X'10C3000000CF'	00	CPWO-3	------	VERISW
000006	1042000000C0			5	DC X'1042000000C0'	01	LOWO-2	------	VERISW
00000C	1073000000B0			6	DC X'1073000000B0'	02	EDO-3	------	VERISW
000012	10B3000078C0			7	DC X'10B3000078C0'	03	NPWO-3	------	VERISW
000018	10F00000E0D0			8	DC X'10F00000E0D0'	04	SUDASY	------	VERISW
00001E	11C70000000F			9	DC X'11C70000000F'	05	GPAZS	------	VERISW
000024	11E70C08FFC0			10	DC X'11E70C08FFC0'	06	GPELS	------	VERISW
00002A	12073198000F			11	DC X'12073198000F'	07	LENIS	FILV	VERISW
000030	12E732580FC0			12	DC X'12E732580FC0'	08	SENAD	FSLV	VERISW
000036	13C0003000C1			13	DC X'13C0003000C1'	09	LENISL	------	VERISW
00003C	1310C0000002			14	DC X'1310C0000002'	0A	SENSL	------	VERISW
000042	1320000000C4			15	DC X'1320000000C4'	0B	VIDEOH	------	VERISW
000048	1330C0000CC0			16	DC X'1330C0000CC0'	0C	LENCS	------	VERISW
00004E	1340000000C0			17	DC X'1340000000C0'	0D	TEST	------	VERISW
000054	1350000000C0			18	DC X'1350000000C0'	0E	MTVPS	------	VERISW
00005A	1362000001C0			19	DC X'1362000001C0'	0F	NOWO-2	------	VERISW
000060	1393000001C0			20	DC X'1393000001C0'	10	NDO-3	------	VERISW
000066	13D23000E0C0			21	DC X'13D23000E0C0'	11	NPWWO-2	VI 4T	VERISW
00006C	20C400000001F			22	DC X'20C400000001F'	12	EPAFXO-1	------	VERISW
000072	2059200000020			23	DC X'2059200000020'	13	EPAHVC	EHVC	VERISW
000078	2060000000040			24	DC X'2060000000040'	14	EPAFIX	------	VERISW
00007E	2070000000080			25	DC X'2070000000080'	15	EPACAL	------	VERISW
000084	208C2F000100			26	DC X'208C2F000100'	16	EPVFON	VFON	VERISW
00008A	2090000002C0			27	DC X'2090000002C0'	17	EPVCAL	------	VERISW
000090	30A0000004C0			28	DC X'30A0000004C0'	18	EPVFCC	------	VERISW
000096	2098000000800			29	DC X'2098000000800'	19	SPARE8	------	VERISW
00009C	20C0000001000			30	DC X'20C0000001000'	1A	LPCAL	------	VERISW
0000A2	20D000C020C0			31	DC X'20D000C020C0'	1B	LPSW	------	VERISW
0000A8	20E100000C000			32	DC X'20E100000C000'	1C	LPFIXO-1	------	VERISW
0000AE	21C70000000F			33	DC X'21C70000000F'	1D	PWWFO-7	------	VERISW
0000B4	21B2000C0700			34	DC X'21B2000C0700'	1E	PWWF8-10	------	VERISW
0000BA	21BC264C0800			35	DC X'21BC264C0800'	1F	PWHBS	PWHFBS	VERISW
0000C0	21C000001000			36	DC X'21C000001000'	20	PWHCAL	------	VERISW
0000C6	21D0254C20C0			37	DC X'21D0254C20C0'	21	PWHGN	PWHIGN	VERISW
0000CC	21E000004000			38	DC X'21E000004000'	22	AEPIOF	------	VERISW
0000D2	21F000008000			39	DC X'21F000008000'	23	AEPION	------	VERISW
0000D8	22C70000000F			40	DC X'22C70000000F'	24	PWLFO-7	------	VERISW
0000DE	2280000000100			41	DC X'2280000000100'	25	PWLCAL	------	VERISW
0000E4	2250276CC200			42	DC X'2250276CC200'	26	PWLGN	PWLFGN	VERISW
0000EA	22A021CC0400			43	DC X'22A021CC0400'	27	DPEPFC	PC	VERISW
0000F0	22D028CC08C0			44	DC X'22D028CC08C0'	28	DPLPVC	PD	VERISW
0000F6	22C00CC01000			45	DC X'22C00CC01000'	29	DGPSPC	------	VERISW
0000FC	2300000020000			46	DC X'2300000020000'	2A	FPCAL	------	VERISW
000102	22E0000040000			47	DC X'22E0000040000'	2B	NGNVSW	------	VERISW
000108	22F00008A000			48	DC X'22F00008A000'	2C	SPARE2	------	VERISW
00010E	23042E00001F			49	DC X'23042E00001F'	2D	PHDAGO-4	ANGL	VERISW
000114	2351C0000060			50	DC X'2351C0000060'	2E	PHFLCO-1	------	VERISW
00011A	2373249CC780			51	DC X'2373249CC780'	2F	PHIRC 03	PHLFIR	VERISW
000120	2390000002C0			52	DC X'2390000002C0'	30	PHICLC	------	VERISW
000126	23C000001000			53	DC X'23C000001000'	31	DPPSC	------	VERISW
00012C	23D02F00200C			54	DC X'23D02F00200C'	32	DPPIOC	PD	VERISW
000132	23EC2FC04CCJ			55	DC X'23EC2FC04CCJ'	33	DPPLPC	PA	VERISW

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT					12:40:07	10/14/81
000138	23FC29600CC0			56	DC	X'23F029008000'	34	DDPWPC	Pb		VERISK
00013E	30C900C00CF			57	DC	X'300300C0700F'	35	M2004-07	------		VERISK
000144	304C000C0010			58	DC	X'304000C000010'	36	EHAROM	------		VERISK
00014A	305CC0000C20			59	DC	X'305000000020'	37	ESWPLS	------		VERISK
000150	3062000001C0			60	DC	X'3062000001C0'	38	EPWM0-2	------		VERISK
000156	3050000C02C0			61	DC	X'305000000700'	39	NSWPLS	------		VERISK
00015C	30A00000C400			62	DC	X'30A000000400'	3A	NHAROM	------		VERISK
000162	30D200003BC0			63	DC	X'30D200073800'	3B	UNT=P=F	------		VERISK
000168	30F000004000			64	DC	X'30E000004000'	3C	EPINZ	------		VERISK
00016E	30F00C003000			65	DC	X'30F000003000'	3D	ENDMC	------		VERISK
000174	31C7000000FF			66	DC	X'31C7000000FF'	3E	M1000-07	------		VERISK
00017A	31E300C00F00			67	DC	X'31E300C00F00'	3F	M1003-11	------		VERISK
000180	31C30000F0C0			68	DC	X'31C300001000'	40	M2000-03	------		VERISK
000186	32C000000001			69	DC	X'320000000001'	41	BMPSW	------		VERISK
00018C	321C0CC00002			70	DC	X'321000000002'	42	PFNCSW	------		VERISK
000192	32200C00CCC4			71	DC	X'322000000004'	43	FAVCSW	------		VERISK
000198	323000C00CC8			72	DC	X'323000000008'	44	TRGCSW	------		VERISK
00019E	324000000010			73	DC	X'324000000010'	45	CHGDM1	------		VERISK
0001A4	325000000020			74	DC	X'325000000020'	46	CHGDM2	------		VERISK
0001AA	326000000040			75	DC	X'326000000040'	47	CHGCK1	------		VERISK
0001B0	327000000080			76	DC	X'327000000080'	48	CHGCK2	------		VERISK
0001B6	328000000100			77	DC	X'328000000100'	49	SPARE9	------		VERISK
0001BC	329021000200			78	DC	X'329021000200'	4A	PHNTST	PFNTS		VERISK
0001C2	32A022000400			79	DC	X'32A022000400'	4B	CHGSW1	NOCHG		VERISK
0001C8	32B022000800			80	DC	X'32B022000800'	4C	CHGSW2	NOCHG		VERISK
0001CE	32C7C00C7000			81	DC	X'32C200007000'	4D	********	------		VERISK
0001D4	32F000008000			82	DC	X'32F000008000'	4E	NPOLY	------		VERISK
0001DA	33C707C90CFF			83	DC	X'330707090FF'	4F	BMVADJ	PV0		VERISK
0001E0	33E00C000100			84	DC	X'33E00E000100'	50	HVCSW1	SW1FLG		VERISK
0001E6	33500F000200			85	DC	X'33900F000200'	51	HVCSW2	SW2FLG		VERISK
0001EC	33A010000400			86	DC	X'33A010000400'	52	HVCSW3	SW3FLG		VERISK
0001F2	33B011000800			87	DC	X'33B011000800'	53	HVCSW4	SW4FLG		VERISK
0001F8	33C012001000			88	DC	X'33C012001000'	54	HVCSW5	SW5FLG		VERISK
0001FE	33D013002000			89	DC	X'33D013002000'	55	HVCSW6	SW6FLG		VERISK
000204	33E000004000			90	DC	X'33E000004000'	56	DATOSW	------		VERISK
00020A	33F000C08000			91	DC	X'33F000008000'	57	HRESET	------		VERISK
000210	400C7C00800FF			92	DC	X'400700080FF'	58	FOLCH	------		VERISK
000216	408CC0030100			93	DC	X'40E003C003100'	59	DEFSWX	DFXCNF		VERISK
00021C	409006C00200			94	DC	X'409000000200'	5A	DEFSWY	DFYCNF		VERISK
000222	40A00C004C0			95	DC	X'40A300003400'	5B	DEFPLX	------		VERISK
000228	40BCC0C00300			96	DC	X'40B000000600'	5C	DEFPLY	------		VERISK
00022E	40C00C001000			97	DC	X'40C000001000'	5D	GPSSW	------		VERISK
000234	40D00A002000			98	DC	X'40D00A002000'	5E	FIRSW	IITRCNF		VERISK
00023A	40F00FC04000			99	DC	X'40E00F004000'	5F	FOCSW	FOCCNF		VERISK
000240	40F000C08000			100	DC	X'40F000008000'	60	ANODSW	------		VERISK
000246	41C7C00800FF			101	DC	X'41C700080FF'	61	DEFCNX	------		VERISK
00024C	41E70CC0FF00			102	DC	X'41E700FF0000'	62	DEFCNY	------		VERISK
000252	42C7C90F00FF			103	DC	X'42C709000FF'	63	HIRADJ	IHIR		VERISK
000258	42E7C9C0FF00			104	DC	X'42E709000FF'	64	BMCADJ	FI6		VERISK
00025E	43001B00DCC1			105	DC	X'430018000001'	65	PFNSW1	PF1		VERISK
000264	43101C000C2			106	DC	X'431010000002'	66	PFNSW2	PF2		VERISK
00026A	43201B00CC4			107	DC	X'432018000004'	67	PFNSW3	PF3		VERISK
000270	43301B00CC8			108	DC	X'433018000008'	68	PFNSW4	PF4		VERISK
000276	4340190000D0			109	DC	X'434019000010'	69	ATIVSW	FP		VERISK
00027C	435019070020			110	DC	X'435019000020'	6A	ATIVSW	IP		VERISK

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LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT					
									F22IWIV4	10/14/81
0002B2	436CC0000040			111	DC	X'436D0000000040'	68	SPARE6	------	VERISN
0002B8	4370F4C80C80			112	DC	X'4370F4C80C80'	69	CAPD4P	TRSCFD	VERISN
0002BE	4380200001B0			113	DC	X'4380200001B0'	6A	FAVSET	FAVS	VERISN
0002C4	43501F000200			114	DC	X'43501F000200'	6B	TRGSET	TRGS	VERISN
0002CA	438A0C0000400			115	DC	X'438A0C0000400'	6C	SPARE7	------	VERISN
0002D0	4380C0CCC300			116	DC	X'4380C0CCC300'	70	SSMVSW	------	VERISN
0002A6	43C000010CC0			117	DC	X'43C000010CC0'	71	GSDVSW	------	VERISN
0002AC	43D0C0C020C0			118	DC	X'43D0C0C020C0'	72	BNCRNG	------	VERISN
0002B2	43F000304CC0			119	DC	X'43E0D0304090'	73	MODFSW	------	VERISN
0002B8	43FC0C0C9000			120	DC	X'43F0C0C08000'	74	GRESET	------	VERISN
0002BE	32C0C0C01000			121	DC	X'32C000001000'	75	DBASET	------	VERISN
0002C4	32DCC0C02000			122	DC	X'32D000002000'	76	MPDSET	------	VERISN
0002CA	32E0000040C0			123	DC	X'32E000004000'	77	NOPSET	------	VERISN
0002D0	FEFEFEFE			124	DC	X'FEFEFEFE'	FE	FF	END OF DATA TILE	VERISN
				125	END					VERISN

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SYMBOL	LEN	VALUE	DEFN	REFERENCES
CMDCOM	00001	000000	00001	
COMTAB	00001	000000	00002	0003

NO STATEMENTS FLAGGED IN THIS ASSEMBLY
STATISTICS SOURCE RECORDS (SYSIN) = 125
OPTIONS IN EFFECT LIST, NODECK, LOAD, NORENT, XREF, NOTEST, ALGN, OS, NOTERM, LINECNT = 55
144 PRINTED LINES

EXTERNAL SYMBOL DICTIONARY

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SYMBOL	TYPE	ID	ADDR	LENGTH	LD ID
HEXCOM	LD	01	000000	002920	
HEXTAB	LD		003000		01

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT F22NOV78 15:14:01

```
000000                          1 HEXCOM   CSECT                                                    VER1SW
000000                          2 HEXTAB   ECU   *                                                  VER1SW
                                3          ENTRY HEXTAB                                            VER1SW
000000 FA00                     4          DC    X'FA00'      -->START EDAINT   BASELINED: 9-13-81  VER1SW
000002 5D01                     5          DC    X'5D01'           GPSSW = 1                        VER1SW
000004 FDC5                     6          DC    X'FDC5'           DELAY 0.5 SEC                    VER1SW
000006 7D01                     7          DC    X'7D01'           ENBMC = 1                        VER1SW
000008 4100                     8          DC    X'4100'           BMPSW = 0                        VER1SW
00000A 5600                     9          DC    X'5600'           BATOSW = 0                       VER1SW
00000C 6000                    10          DC    X'6000'           AMODSW = 0                       VER1SW
00000E 5E00                    11          DC    X'5E00'           HIRSW = 0                        VER1SW
000010 5F00                    12          DC    X'5F00'           FOCSW = 0                        VER1SW
000012 5900                    13          DC    X'5900'           DEFSWX = 0                       VER1SW
000014 5A00                    14          DC    X'5A00'           DEFSWY = 0                       VER1SW
000016 7401                    15          DC    X'7401'           GRESET = 1                       VER1SW
000018 5701                    16          DC    X'5701'           HRESET = 1                       VER1SW
00001A FD01                    17          DC    X'FD01'           DELAY 0.1 SEC                    VER1SW
00001C 7400                    18          DC    X'7400'           GRESET = 0                       VER1SW
00001E 5700                    19          DC    X'5700'           HRESET = 0                       VER1SW
000020 5000                    20          DC    X'5000'           HVCSW1 = 0                       VER1SW
000022 FD03                    21          DC    X'FD03'           DELAY 0.3 SEC                    VER1SW
000024 5100                    22          DC    X'5100'           HVCSW2 = 0                       VER1SW
000026 FD03                    23          DC    X'FD03'           DELAY 0.3 SEC                    VER1SW
000028 5200                    24          DC    X'5200'           HVCSW3 = 0                       VER1SW
00002A FD03                    25          DC    X'FD03'           DELAY 0.3 SEC                    VER1SW
00002C 5300                    26          DC    X'5300'           HVCSW4 = 0                       VER1SW
00002E FD03                    27          DC    X'FD03'           DELAY 0.3 SEC                    VER1SW
000030 5400                    28          DC    X'5400'           HVCSW5 = 0                       VER1SW
000032 FD03                    29          DC    X'FD03'           DELAY 0.3 SEC                    VER1SW
000034 5500                    30          DC    X'5500'           HVCSW6 = 0                       VER1SW
000036 FD03                    31          DC    X'FD03'           DELAY 0.3 SEC                    VER1SW
000038 4F7F                    32          DC    X'4F7F'           BMVADJ = 0.0KV                   VER1SW
00003A 647F                    33          DC    X'647F'           B4CADJ = 0.0A                    VER1SW
00003C 637F                    34          DC    X'637F'           HIRADJ = 0.0A                    VER1SW
00003E 587F                    35          DC    X'587F'           FOCCN = 0.0A                     VER1SW
000040 617F                    36          DC    X'617F'           DEFCNX = 0.0A                    VER1SW
000042 627F                    37          DC    X'627F'           DEFCNY = 0.0A                    VER1SW
000044 0000                    38          DC    X'0000'           EPRO-3 = 0                       VER1SW
000046 0100                    39          DC    X'0100'           EPRO-2 = 0                       VER1SW
000048 0200                    40          DC    X'0200'           EDC-3 = 0                        VER1SW
00004A 3800                    41          DC    X'3800'           EPRO-2 = 0                       VER1SW
00004C 3700                    42          DC    X'3700'           ESRPLS = 0                       VER1SW
00004E 3600                    43          DC    X'3600'           LHARDM = 0                       VER1SW
000050 7500                    44          DC    X'7500'           EDASET = 0                       VER1SW
000052 7300                    45          DC    X'7300'           MODESW = 0                       VER1SW
000054 FD03                    46          DC    X'FD03'           DELAY 0.3 SEC                    VER1SW
000056 5B00                    47          DC    X'5B00'           DEFPLX = 0                       VER1SW
000058 5C00                    48          DC    X'5C00'           DEFPLY = 0                       VER1SW
00005A 7200                    49          DC    X'7200'           BMCRNG = 0                       VER1SW
00005C FAFE                    50          DC    X'FAFE'      END EDAINT                            VER1SW
00005E FA01                    51          DC    X'FA01'      -->START EDASET                       VER1SW
000060 0F24                    52          DC    X'0F24'           FOCSF = FOCONF                   VER1SW
000062 0925                    53          DC    X'0925'           DEFSFX = DFXONF                  VER1SW
000064 0A26                    54          DC    X'0A26'           DEFSWY = DFYONF                  VER1SW
000066 0027                    55          DC    X'0027'           HVCSW1 = SW1FL+                  VER1SW
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000068 FDC3          56          DC    X'FD03'          DELAY 0.3 SEC                    VERISW
00006A 0128          57          DC    X'0128'          HVCSW2 = SW2FLG                  VERISW
00006C FDC3          58          DC    X'FD03'          DELAY 0.3 SEC                    VERISW
00006E 0229          59          DC    X'0229'          HVCSW3 = SW3FLG                  VERISW
000070 FDC3          60          DC    X'FD03'          DELAY 0.3 SEC                    VERISW
000072 032A          61          DC    X'032A'          HVCSW4 = SW4FLG                  VERISW
000074 FDC3          62          DC    X'FD03'          DELAY 0.3 SEC                    VERISW
000076 0428          63          DC    X'0428'          HVCSW5 = SW5FLG                  VERISW
000078 FDC3          64          DC    X'FD03'          DELAY 0.3 SEC                    VERISW
00007A 052C          65          DC    X'052C'          HVCSW6 = SW6FLG                  VERISW
00007C FDC3          66          DC    X'FD03'          DELAY 0.3 SEC                    VERISW
00007E FC00          67          DC    X'FC00'     CALL CALC TO CALCULATE E              VERISW
000080 FC01          68          DC    X'FC01'     CALL CALC TO CALCULATE VBMAX          VERISW
000082 FC02          69          DC    X'FC02'     CALL CALC TO CALCULATE IBMAX          VERISW
000084 5701          70          DC    X'5701'        RRESET=1                          VERISW
000086 7401          71          DC    X'7401'        GRESET=1                          VERISW
000088 FD01          72          DC    X'FD01'        DELAY .1                          VERISW
00008A 5700          73          DC    X'5700'        RRESET=0                          VERISW
00008C 7400          74          DC    X'7400'        GRESET=0                          VERISW
00008E FD01          75          DC    X'FD01'        DELAY .1                          VERISW
000090 FF00          76          DC    X'FF00'     IF CNT.EQ.0                          VERISW
000092 6001          77          DC    X'6001'        THEN ANOOSW = 1                   VERISW
000094 F400          78          DC    X'F400'        DELAY 90.0 SEC                    VERISW
000096 0384          79          DC    X'0384'                                          VERISW
000098 5601          80          DC    X'5601'        BATOSW = 1                        VERISW
00009A FD04          81          DC    X'FD04'        DELAY 0.4 SEC                     VERISW
00009C 3001          82          DC    X'3001'        ENBMC = 1                         VERISW
00009E 4101          83          DC    X'4101'        BMPSW = 1                         VERISW
0000A0 FFFE          84          DC    X'FFFE'        END OF IF                         VERISW
0000A2 FF01          85          DC    X'FF01'     IF CNT.NE.0                          VERISW
0000A4 7301          86          DC    X'7301'        MODFSW = 1                        VERISW
0000A6 FD03          87          DC    X'FD03'        DELAY 0.3 SEC                     VERISW
0000A8 5601          88          DC    X'5601'        BATOSW = 1                        VERISW
0000AA FD01          89          DC    X'FD01'        DELAY 0.1 SEC                     VERISW
0000AC 3000          90          DC    X'3000'        ENBMC = 0                         VERISW
0000AE F400          91          DC    X'F400'        DELAY 90.0 SEC                    VERISW
0000B0 0384          92          DC    X'0384'                                          VERISW
0000B2 FFFE          93          DC    X'FFFE'        END OF IF                         VERISW
0000B4 FAFE          94          DC    X'FAFE'     END LOASET                           VERISW
0000B6 FA02          95          DC    X'FA02'  ==>START ERRCHK                         VERISW
0000B8 590C          96          DC    X'590C'        FDCCN = 1.0A                      VERISW
0000BA 5F01          97          DC    X'5F01'        FDCSW = 1                         VERISW
0000BC FD14          98          DC    X'FD14'        DELAY 2.0 SEC                     VERISW
0000BE 5F00          99          DC    X'5F00'        FDCSW = 0                         VERISW
0000C0 587F         100          DC    X'587F'        FDCCN = 0.0A                      VERISW
0000C2 611E         101          DC    X'611E'        DLFCNX = 1.0A                     VERISW
0000C4 5801         102          DC    X'5801'        DLFPLX = 1                        VERISW
0000C6 FD01         103          DC    X'FD01'        DELAY 0.1 SEC                     VERISW
0000C8 5901         104          DC    X'5901'        DLFSWX = 1                        VERISW
0000CA FD14         105          DC    X'FD14'        DELAY 2.0 SEC                     VERISW
0000CC 5900         106          DC    X'5900'        DLFSWX = 0                        VERISW
0000CE FD01         107          DC    X'FD01'        DELAY 0.1 SEC                     VERISW
0000D0 5800         108          DC    X'5800'        DLFPLX = 0                        VERISW
0000D2 FD01         109          DC    X'FD01'        DELAY 0.1 SEC                     VERISW
0000D4 5901         110          DC    X'5901'        DLFSWX = 1                        VERISW
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LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	
0000D6	FD14			111	DC X'FD14'	DELAY 2.0 SEC VER15A
0000D8	5900			112	DC X'5900'	DEFSHY = 0 VER15A
0000DA	621E			113	DC X'621E'	DEFCNY = 1.0A VER15A
0000DC	5C01			114	DC X'5C01'	DEFPLY = 1 VER15A
0000DE	FD01			115	DC X'FD01'	DELAY 0.1 SEC VER15A
0000E0	5A01			116	DC X'5A01'	DEFSHY = 1 VER15A
0000E2	FD14			117	DC X'FD14'	DELAY 2.0 SEC VER15A
0000E4	5A00			118	DC X'5A00'	DEFSHY = 0 VER15A
0000E6	FD01			119	DC X'FD01'	DELAY 0.1 SEC VER15A
0000E8	5C00			120	DC X'5C00'	DEFPLY = 0 VER15A
0000EA	FD01			121	DC X'FD01'	DELAY 0.1 SEC VER15A
0000EC	5A01			122	DC X'5A01'	DEFSHY = 1 VER15A
0000EE	FD14			123	DC X'FD14'	DELAY 2.0 SEC VER15A
0000F0	5A00			124	DC X'5A00'	DEFSHY = 0 VER15A
0000F2	617E			125	DC X'617E'	DEFCNX = 0.0A VER15A
0000F4	627E			126	DC X'627E'	DEFCNY = 0.0A VER15A
0000F6	5001			127	DC X'5001'	HVCSW1 = 1 VER15A
0000F8	FD03			128	DC X'FD03'	DELAY 0.3 SEC VER15A
0000FA	5101			129	DC X'5101'	HVCSW2 = 1 VER15A
0000FC	FD03			130	DC X'FD03'	DELAY 0.3 SEC VER15A
0000FE	5201			131	DC X'5201'	HVCSW3 = 1 VER15A
000100	FD03			132	DC X'FD03'	DELAY 0.3 SEC VER15A
000102	5301			133	DC X'5301'	HVCSW4 = 1 VER15A
000104	FD03			134	DC X'FD03'	DELAY 0.3 SEC VER15A
000106	5401			135	DC X'5401'	HVCSW5 = 1 VER15A
000108	FD03			136	DC X'FD03'	DELAY 0.3 SEC VER15A
00010A	5501			137	DC X'5501'	HVCSW6 = 1 VER15A
00010C	FD03			138	DC X'FD03'	DELAY 0.3 SEC VER15A
00010E	6001			139	DC X'6001'	ANODSW = 1 VER15A
000110	F400			140	DC X'F400'	DELAY 90.0 SEC VER15A
000112	03E4			141	DC X'03E4'	VER15A
000114	7401			142	DC X'7401'	GRESET = 1 VER15A
000116	5701			143	DC X'5701'	HRESET = 1 VER15A
000118	FD01			144	DC X'FD01'	DELAY 0.1 SEC VER15A
00011A	7400			145	DC X'7400'	GRESET = 0 VER15A
00011C	5700			146	DC X'5700'	HRESET = 0 VER15A
00011E	FD01			147	DC X'FD01'	DELAY 0.1 SEC VER15A
000120	5601			148	DC X'5601'	BATHSW = 1 VER15A
000122	FD01			149	DC X'FD01'	DELAY 0.1 SEC VER15A
000124	3DC1			150	DC X'3DC1'	ERRHC = 1 VER15A
000126	4101			151	DC X'4101'	BHPSW = 1 VER15A
000128	FD01			152	DC X'FD01'	DELAY 0.1 SEC VER15A
00012A	7200			153	DC X'7200'	BHCRNG = 0 VER15A
00012C	647E			154	DC X'647E'	BHCADJ = 0.0A VER15A
00012E	4F6F			155	DC X'4F6F'	BHVADJ = BHVADJ + 1.0KV VER15A
000130	FD14			156	DC X'FD14'	DELAY 2.0 SEC VER15A
000132	4F5D			157	DC X'4F5D'	BHVADJ = BHVADJ + 1.0KV VER15A
000134	FD14			158	DC X'FD14'	DELAY 2.0 SEC VER15A
000136	4F4C			159	DC X'4F4C'	BHVADJ = BHVADJ + 1.0KV VER15A
000138	FD14			160	DC X'FD14'	DELAY 2.0 SEC VER15A
00013A	4F3C			161	DC X'4F3C'	BHVADJ = BHVADJ + 1.0KV VER15A
00013C	FD14			162	DC X'FD14'	DELAY 2.0 SEC VER15A
00013E	4F2A			163	DC X'4F2A'	BHVADJ = BHVADJ + 1.0KV VER15A
000140	FD14			164	DC X'FD14'	DELAY 2.0 SEC VER15A
000142	4F19			165	DC X'4F19'	BHVADJ = 6.0KV VER15A

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000144 FD14                 166          DC    X'FD14'      DELAY 2.0 SEC                    VERISW
000146 4F09                 167          DC    X'4F09'      BMVADJ = 7.0KV                   VERISW
000148 FD14                 168          DC    X'FD14'      DELAY 2.0 SEC                    VERISW
00014A 4F00                 169          DC    X'4F00'      BMVADJ = 7.5KV                   VERISW
00014C FD14                 170          DC    X'FD14'      DELAY 2.0 SEC                    VERISW
00014E 7201                 171          DC    X'7201'      BMCRNG = 1                       VERISW
000150 6470                 172          DC    X'6470'      BMCADJ = BMCADJ + 0.2A           VERISW
000152 7500                 173          DC    X'7500'      EBASET = 0                       VERISW
000154 3600                 174          DC    X'3600'      CHARDM = 0                       VERISW
000156 3701                 175          DC    X'3701'      ESWPLS = 1                       VERISW
000158 FD0F                 176          DC    X'FD0F'      DELAY 1.5 SEC                    VERISW
00015A 3700                 177          DC    X'3700'      ESWPLS = 0                       VERISW
00015C FD05                 178          DC    X'FD05'      DELAY .5                         VERISW
00015E 645F                 179          DC    X'645F'      BMCADJ = BMCADJ + 0.2A           VERISW
000160 3701                 180          DC    X'3701'      ESWPLS = 1                       VERISW
000162 FD0F                 181          DC    X'FD0F'      DELAY 1.5 SEC                    VERISW
000164 3700                 182          DC    X'3700'      ESWPLS = 0                       VERISW
000166 FD05                 183          DC    X'FD05'      DELAY .5                         VERISW
000168 6450                 184          DC    X'6450'      BMCADJ = BMCADJ + 0.2A           VERISW
00016A 3701                 185          DC    X'3701'      ESWPLS = 1                       VERISW
00016C FD0F                 186          DC    X'FD0F'      DELAY 1.5 SEC                    VERISW
00016E 3700                 187          DC    X'3700'      ESWPLS = 0                       VERISW
000170 FD05                 188          DC    X'FD05'      DELAY .5                         VERISW
000172 6440                 189          DC    X'6440'      BMCADJ = BMCADJ + 0.2A           VERISW
000174 3701                 190          DC    X'3701'      ESWPLS = 1                       VERISW
000176 FD0F                 191          DC    X'FD0F'      DELAY 1.5 SEC                    VERISW
000178 3700                 192          DC    X'3700'      ESWPLS=0                         VERISW
00017A FD05                 193          DC    X'FD05'      DELAY .5                         VERISW
00017C 6430                 194          DC    X'6430'      BMCADJ = BMCADJ + 0.2A           VERISW
00017E 3701                 195          DC    X'3701'      ESWPLS = 1                       VERISW
000180 FD0F                 196          DC    X'FD0F'      DELAY 1.5 SEC                    VERISW
000182 3700                 197          DC    X'3700'      ESWPLS=0                         VERISW
000184 FD05                 198          DC    X'FD05'      DELAY .5                         VERISW
000186 6420                 199          DC    X'6420'      BMCADJ = BMCADJ + 0.2A           VERISW
000188 3701                 200          DC    X'3701'      ESWPLS = 1                       VERISW
00018A FD0F                 201          DC    X'FD0F'      DELAY 1.5 SEC                    VERISW
00018C 3700                 202          DC    X'3700'      ESWPLS = 0                       VERISW
00018E FD05                 203          DC    X'FD05'      DELAY .5                         VERISW
000190 6410                 204          DC    X'6410'      BMCADJ = BMCADJ + 0.2A           VERISW
000192 3701                 205          DC    X'3701'      ESWPLS = 1                       VERISW
000194 FD0F                 206          DC    X'FD0F'      DELAY 1.5 SEC                    VERISW
000196 3700                 207          DC    X'3700'      ESWPLS=0                         VERISW
000198 FD05                 208          DC    X'FD05'      DELAY .5                         VERISW
00019A 6400                 209          DC    X'6400'      BMCADJ = BMCADJ + 0.2A           VERISW
00019C 3701                 210          DC    X'3701'      ESWPLS = 1                       VERISW
00019E FD0F                 211          DC    X'FD0F'      DELAY 1.5 SEC                    VERISW
0001A0 3700                 212          DC    X'3700'      ESWPLS=0                         VERISW
0001A2 FD05                 213          DC    X'FD05'      DELAY .5                         VERISW
0001A4 4F7F                 214          DC    X'4F7F'      BMVADJ = 9.0KV                   VERISW
0001A6 3001                 215          DC    X'3001'      ENDMG = 1                        VERISW
0001A8 4100                 216          DC    X'4100'      BMPSW = 0                        VERISW
0001AA FD01                 217          DC    X'FD01'      DELAY 0.1 SEC                    VERISW
0001AC 7500                 218          DC    X'7500'      EBASET = 0                       VERISW
0001AE 3600                 219          DC    X'3600'      CHARDM = 0                       VERISW
0001B0 3701                 220          DC    X'3701'      ESWPLS = 1                       VERISW
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LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT F22N0V74 10/14/81

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000102 FD14          221          DC    X'FD14'      DELAY 2.0 SEC                    VERISW
000104 3700          222          DC    X'3700'      ESWPLS=0                         VERISW
000106 5000          223          DC    X'5000'      AMODSW = 0                       VERISW
000108 FD0A          224          DC    X'FD0A'      DELAY 1.0 SEC                    VERISW
00010A 7301          225          DC    X'7301'      MODISW = 1                       VERISW
00010C FD03          226          DC    X'FD03'      DELAY 0.3 SEC                    VERISW
00010E 4F6F          227          DC    X'4F6F'      B4VADJ = 1.0KV                   VERISW
000110 3D01          228          DC    X'3D01'      ENBRC = 1                        VERISW
000112 4101          229          DC    X'4101'      BMPSW = 1                        VERISW
000114 FD14          230          DC    X'FD14'      DELAY 2.0 SEC                    VERISW
000116 3D01          231          DC    X'3D01'      ENBRC = 1                        VERISW
000118 4100          232          DC    X'4100'      BMPSW = 0                        VERISW
00011A FD14          233          DC    X'FD14'      DELAY 2.0 SEC                    VERISW
00011C 647F          234          DC    X'647F'      B4CADJ = 0.0A                    VERISW
00011E 4F7F          235          DC    X'4F7F'      B4VADJ = 0.0KV                   VERISW
000120 7300          236          DC    X'7300'      MODFSW = 0                       VERISW
000122 FD03          237          DC    X'FD03'      DELAY 0.3 SEC                    VERISW
000124 7200          238          DC    X'7200'      BRCRNG = 0                       VERISW
000126 5000          239          DC    X'5000'      HVCSW1 = 0                       VERISW
000128 FD03          240          DC    X'FD03'      DELAY 0.3 SEC                    VERISW
00012A 5100          241          DC    X'5100'      HVCSW2 = 0                       VERISW
00012C FD03          242          DC    X'FD03'      DELAY 0.3 SEC                    VERISW
00012E 5200          243          DC    X'5200'      HVCSW3 = 0                       VERISW
000130 FD03          244          DC    X'FD03'      DELAY 0.3 SEC                    VERISW
000132 5300          245          DC    X'5300'      HVCSW4 = 0                       VERISW
000134 FD03          246          DC    X'FD03'      DELAY 0.3 SEC                    VERISW
000136 5400          247          DC    X'5400'      HVCSW5 = 0                       VERISW
000138 FD03          248          DC    X'FD03'      DELAY 0.3 SEC                    VERISW
00013A 5500          249          DC    X'5500'      HVCSW6 = 0                       VERISW
00013C FD03          250          DC    X'FD03'      DELAY 0.3 SEC                    VERISW
00013E 5600          251          DC    X'5600'      BATOSW = 0                       VERISW
000140 5E01          252          DC    X'5E01'      HTRSW = 1                        VERISW
000142 634F          253          DC    X'634F'      HTRADJ = 7.0A                    VERISW
000144 FD64          254          DC    X'FD64'      DELAY 10.0 SEC                   VERISW
000146 637F          255          DC    X'637F'      HTRADJ = 0.0A                    VERISW
000148 5EC0          256          DC    X'5EC0'      HTPSW = 0                        VERISW
00014A FD03          257          DC    X'FD03'      DELAY 0.3 SEC                    VERISW
00014C FAFE          258          DC    X'FAFE'    END OF EBACHK                      VERISW
00014E FA03          259          DC    X'FA03'  -->START EBAHTR                      VERISW
000200 DE23          260          DC    X'DE23'      HTRSW = HTRONI                   VERISW
000202 FC03          261          DC    X'FC03'    CALL CALC TO CALCULATE HTRADJ      VERISW
000204 634C          262          DC    X'634C'      HTRADJ = PCF(76)                 VERISW
000206 FAFE          263          DC    X'FAFE'    END EBAHTR                         VERISW
000208 FA04          264          DC    X'FA04'  -->START EBABMI                      VERISW
00020A FC04          265          DC    X'FC04'    CALL CALC TO CALCULATE IBO         VERISW
00020C FF02          266          DC    X'FF02'    IF IB.GE.IBO                     VERISW
00020E 7201          267          DC    X'7201'      BRCRNG = 1                     VERISW
000210 FC10          268          DC    X'FC10'    CALL CALC TO SET A1B,B1B,C1B,D1B   VERISW
000212 FFFE          269          DC    X'FFFE'                                       VERISW
000214 FF03          270          DC    X'FF03'    IF IB.LT.IBO                     VERISW
000216 7200          271          DC    X'7200'      BRCRNG = 0                     VERISW
000218 FC11          272          DC    X'FC11'    CALL CALC TO SET A1B,B1B,C1B,D1B   VERISW
00021A FFFF          273          DC    X'FFFF'                                       VERISW
00021C FC05          274          DC    X'FC05'    CALL CALC TO CALCULATE IBC         VERISW
00021E FF04          275          DC    X'FF04'    IF IB.GE.IBC                     VERISW
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LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT F22NOV74 10/14/81

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000220 FC06                276          DC    X'FC06'          CALL CALC TO CALCULATE BMCADJ                VERISW
000222 C44C                277          DC    X'C44C'          BMCADJ = PCF(75)                             VERISW
000224 FFFE                278          DC    X'FFFE'                                                       VERISW
000226 FFC5                279          DC    X'FFC5'          IF TB.LT.TBC                                 VERISW
000228 FC07                280          DC    X'FC07'          CALL CALC TO CALCULATE BMCADJ                VERISW
00022A C44C                281          DC    X'C44C'          BMCADJ = PCF(75)                             VERISW
00022C FFFE                282          DC    X'FFFE'                                                       VERISW
00022E FAFE                283          DC    X'FAFE'          END EBABMI                                   VERISW
000230 FAC5                284          DC    X'FAC5'       -->START EBABMV                                 VERISW
000232 FC08                285          DC    X'FC08'          CALL CALC TO CALCULATE BMVADJ PCF            VERISW
000234 CF4C                286          DC    X'CF4C'          BMVADJ = PCF(76)                             VERISW
000236 FAFE                287          DC    X'FAFE'          END EBABMV                                   VERISW
000238 FAC6                288          DC    X'FAC6'       -->START EBAFCS                                 VERISW
00023A FC09                289          DC    X'FC09'          CALL CALC TO CALCULATE FCCCN                 VERISW
00023C D34C                290          DC    X'D34C'          FCCCN = PCF(76)                              VERISW
00023E FAFE                291          DC    X'FAFE'          END EBAFCS                                   VERISW
000240 FAC7                292          DC    X'FAC7'       -->START EBADLF                                 VERISW
000242 75C0                293          DC    X'75C0'             EBASET=0                                  VERISW
000244 5900                294          DC    X'5900'                DEFSWX = 0                             VERISW
000246 5A00                295          DC    X'5A00'                DEFSWY = 0                             VERISW
000248 FC12                296          DC    X'FC12'          CALL CALC TO SET THETX0,THETYC               VERISW
00024A FC0A                297          DC    X'FC0A'          CALL CALC TO CALCULATE DEFCNX                VERISW
00024C E14C                298          DC    X'E14C'          DEFCNX = PCF(76)                             VERISW
00024E FC0B                299          DC    X'FC0B'          CALL CALC TO CALCULATE DEFCNY                VERISW
000250 E24C                300          DC    X'E24C'          DEFCNY = PCF(76)                             VERISW
000252 FDC1                301          DC    X'FDC1'          DELAY 0.1 SEC                                VERISW
000254 FFC8                302          DC    X'FFC8'          IF THETX0.GE.0                               VERISW
000256 5801                303          DC    X'5801'             DEFPLX = 1                                VERISW
000258 FFFE                304          DC    X'FFFE'          END-IF                                       VERISW
00025A FFC9                305          DC    X'FFC9'          IF THETX0.LT.0                               VERISW
00025C 5800                306          DC    X'5800'             DEFPLX = 0                                VERISW
00025E FFFE                307          DC    X'FFFE'          END-IF                                       VERISW
000260 FDC1                308          DC    X'FDC1'          DELAY 0.1 SEC                                VERISW
000262 FFCA                309          DC    X'FFCA'          IF THETYC.GE.0                               VERISW
000264 5C01                310          DC    X'5C01'             DEFPLY = 1                                VERISW
000266 FFFE                311          DC    X'FFFE'          END-IF                                       VERISW
000268 FFCB                312          DC    X'FFCB'          IF THETYC.LT.0                               VERISW
00026A 5C00                313          DC    X'5C00'             DEFPLY = 0                                VERISW
00026C FFFE                314          DC    X'FFFE'          END-IF                                       VERISW
00026E FDC1                315          DC    X'FDC1'          DELAY 0.1 SEC                                VERISW
000270 D925                316          DC    X'D925'             DELSWX = DFAUNF                           VERISW
000272 DA26                317          DC    X'DA26'             DEFSWY = DFYUNF                           VERISW
000274 FAFE                318          DC    X'FAFE'          END EBADLF                                   VERISW
000276 FAC8                319          DC    X'FAC8'       -->START HVCRST                                 VERISW
000278 3D01                320          DC    X'3D01'             ENBHC = 1                                 VERISW
00027A 4100                321          DC    X'4100'             BMPSW = 0                                 VERISW
00027C FD64                322          DC    X'FD64'             DELAY 10.0 SEC                            VERISW
00027E 7401                323          DC    X'7401'             GRLSET = 1                                VERISW
000280 5701                324          DC    X'5701'             HPESET = 1                                VERISW
000282 FDC1                325          DC    X'FDC1'             DELAY 0.1 SEC                             VERISW
000284 74C0                326          DC    X'74C0'             GRLSET = 0                                VERISW
000286 5700                327          DC    X'5700'             HPESET = 0                                VERISW
000288 FDCA                328          DC    X'FDCA'             DELAY 1.0 SEC                             VERISW
00028A FFC0                329          DC    X'FFC0'             IF CNT.EQ.0                               VERISW
00028C 3D01                330          DC    X'3D01'                ENBHC = 1                              VERISW
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0002BE 4101                    331          DC    X'4101'          BMPSW = 1                          VER15N
0002C0 FFFE                    332          DC    X'FFFE'        END-IF                               VER15N
0002C2 FF01                    333          DC    X'FF01'        IF CNT.NE.0                          VER15N
0002C4 3000                    334          DC    X'3000'          ENBMC = 0                          VER15N
0002C6 FFFE                    335          DC    X'FFFE'        END-IF                               VER15N
0002C8 FD03                    336          DC    X'FD03'        DELAY 0.3 SEC                        VER15N
0002CA FAFE                    337          DC    X'FAFE'      END HVCRST                             VER15N
0002CC FA09                    338          DC    X'FA09'      -->START ERADWN                        VER15N
0002CE 3001                    339          DC    X'3001'        ENBMC = 1                            VER15N
0002D0 4100                    340          DC    X'4100'        BMPSW = 0                            VER15N
0002D2 FD03                    341          DC    X'FD03'        DELAY 0.3 SEC                        VER15N
0002D4 5600                    342          DC    X'5600'        BATOSW = 0                           VER15N
0002D6 FD03                    343          DC    X'FD03'        DELAY 0.3 SEC                        VER15N
0002D8 6400                    344          DC    X'6400'        BMCADJ = 1.6A                        VER15N
0002DA 7500                    345          DC    X'7500'        EBASET=0                             VER15N
0002DC 3600                    346          DC    X'3600'        EHARDM = 0                           VER15N
0002DE 3701                    347          DC    X'3701'        ESHPLS = 1                           VER15N
0002E0 FD0A                    348          DC    X'FD0A'        DELAY 1.0 SEC                        VER15N
0002E2 3700                    349          DC    X'3700'        ESHPLS = 0                           VER15N
0002E4 647F                    350          DC    X'647F'        BMCADJ = 0.0A                        VER15N
0002E6 6000                    351          DC    X'6000'        ANODSW = 0                           VER15N
0002E8 5E00                    352          DC    X'5E00'        HTRSW = 0                            VER15N
0002EA 5F00                    353          DC    X'5F00'        FOCSW = 0                            VER15N
0002EC 5900                    354          DC    X'5900'        DEFSWX = 0                           VER15N
0002EE 5A00                    355          DC    X'5A00'        DEFSWY = 0                           VER15N
0002F0 5000                    356          DC    X'5000'        HVCSW1 = 0                           VER15N
0002F2 FD03                    357          DC    X'FD03'        DELAY 0.3 SEC                        VER15N
0002F4 5100                    358          DC    X'5100'        HVCSW2 = 0                           VER15N
0002F6 FD03                    359          DC    X'FD03'        DELAY 0.3 SEC                        VER15N
0002F8 5200                    360          DC    X'5200'        HVCSW3 = 0                           VER15N
0002FA FD03                    361          DC    X'FD03'        DELAY 0.3 SEC                        VER15N
0002FC 5300                    362          DC    X'5300'        HVCSW4 = 0                           VER15N
0002FE FD03                    363          DC    X'FD03'        DELAY 0.3 SEC                        VER15N
000300 5400                    364          DC    X'5400'        HVCSW5 = 0                           VER15N
000302 FD03                    365          DC    X'FD03'        DELAY 0.3 SEC                        VER15N
000304 5500                    366          DC    X'5500'        HVCSW6 = 0                           VER15N
000306 FD03                    367          DC    X'FD03'        DELAY 0.3 SEC                        VER15N
000308 4F7F                    368          DC    X'4F7F'        BMVADJ = 0.0KV                       VER15N
00030A 647F                    369          DC    X'647F'        BMCADJ = 0.0A                        VER15N
00030C 637F                    370          DC    X'637F'        HTRADJ = 0.0A                        VER15N
00030E 597F                    371          DC    X'597F'        FLCCN = 0.0A                         VER15N
000310 617F                    372          DC    X'617F'        DEFCNX = 0.0A                        VER15N
000312 627F                    373          DC    X'627F'        DEFCNY = 0.0A                        VER15N
000314 7300                    374          DC    X'7300'        MODFSW = 0                           VER15N
000316 FD03                    375          DC    X'FD03'        DELAY 0.3 SEC                        VER15N
000318 5000                    376          DC    X'5000'        GPSSW = 0                            VER15N
00031A FAFE                    377          DC    X'FAFE'      END LOADWN                             VER15N
00031C FA0A                    378          DC    X'FA0A'      -->START MPOINT                        VER15N
00031E 4200                    379          DC    X'4200'        PINCSW = 0                           VER15N
000320 4300                    380          DC    X'4300'        FAVCSW = 0                           VER15N
000322 4400                    381          DC    X'4400'        TRCCSW = 0                           VER15N
000324 CA3A                    382          DC    X'CA3A'        PENTST = PEN15                       VER15N
000326 3E00                    383          DC    X'3E00'        MIDD-7 = 0                           VER15N
000328 3F00                    384          DC    X'3F00'        MIDB-11 = 0                          VER15N
00032A 4000                    385          DC    X'4000'        MIDD-8 = 0                           VER15N
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0002EC 3500                    386          DC    X'3500'          M2D4-7 = 0                                    VERISW
0002EE 3800                    387          DC    X'3800'          ERPFN = 0, ENFAV = 0, ENTRG = 0               VERISW
000300 7600                    388          DC    X'7600'          MPDSET = 0                                    VERISW
000302 E534                    389          DC    X'E534'          PFNSW1 = PF1                                  VERISW
000304 E635                    390          DC    X'E635'          PFNSW2 = PF2                                  VERISW
000306 E736                    391          DC    X'E736'          PFNSW3 = PF3                                  VERISW
000308 E837                    392          DC    X'E837'          PFNSW4 = PF4                                  VERISW
00030A 6C00                    393          DC    X'6C00'          CAPJMP = 0                                    VERISW
00030C ED39                    394          DC    X'ED39'          FAVSLT = FAVS                                 VERISW
00030E EE38                    395          DC    X'EE38'          TRGSLT = TRGS                                 VERISW
000310 7000                    396          DC    X'7000'          GSMVSW = 0                                    VERISW
000312 7100                    397          DC    X'7100'          GSDVSW = 0                                    VERISW
000314 6900                    398          DC    X'6900'          A11VSW = 0                                    VERISW
000316 6A00                    399          DC    X'6A00'          A12VSW = 0                                    VERISW
000318 2800                    400          DC    X'2800'          M04VSW = 0                                    VERISW
00031A 4C01                    401          DC    X'4C01'          NPOLY = 1                                     VERISW
00031C 0300                    402          DC    X'0300'          NPM0-3 = 0                                    VERISW
00031E 1100                    403          DC    X'1100'          NPWM0-2 = 0                                   VERISW
000320 1000                    404          DC    X'1000'          M00-3 = 0                                     VERISW
000322 0F00                    405          DC    X'0F00'          NOM0-2 = 0                                    VERISW
000324 3900                    406          DC    X'3900'          NSJPLS = 0                                    VERISW
000326 7700                    407          DC    X'7700'          MGPSET = 0                                    VERISW
000328 3A00                    408          DC    X'3A00'          NHARDM = 0                                    VERISW
00032A FAFE                    409          DC    X'FAFE'     END MPDINT                                         VERISW
00032C FA08                    410          DC    X'FA08'     -->START MPDSET                                    VERISW
00032E F99A                    411          DC    X'F99A'          CALL AEPISY                                   VERISW
000330 ~~6C01~~ F908           412          DC    ~~X'6C01'~~      ~~CAPJMP = 1~~ CALL MPDSET1                   VERISW
000332 3E15                    413          DC    X'3E15'          M1D0=11=1.15                                  VERISW
000334 3F01                    414          DC    X'3F01'            ----                                        VERISW
000336 4005                    415          DC    X'4005'          M2D0-3=0.5                                    VERISW
000338 3500                    416          DC    X'3500'            ----                                        VERISW
00033A FD10                    417          DC    X'FD10'          DELAY 1.6 SEC                                 VERISW
00033C 4201                    418          DC    X'4201'          PHICSW = 1                                    VERISW
00033E F3C7                    419          DC    X'F3C7'          DELAY 7 SECONDS  ACAL(7)                      VERISW
000340 ~~F3C8~~ F909           420          DC    ~~X'F3C8'~~      PHICSW = 0 ~~CALL~~ CALL MPDSET2              VERISW
000342 F3C8                    421          DC    X'F3C8'          DELAY 10 SECONDS  ACAL(8)                     VERISW
000344 4301                    422          DC    X'4301'          FAVCSW = 1                                    VERISW
000346 F3C9                    423          DC    X'F3C9'          DELAY 11 SECONDS  ACAL(9)                     VERISW
000348 4300                    424          DC    X'4300'          FAVCSW = 0                                    VERISW
00034A FDC3                    425          DC    X'FDC3'          DELAY 0.3 SEC                                 VERISW
00034C 4401                    426          DC    X'4401'          TRGCSW = 1                                    VERISW
00034E F3C9                    427          DC    X'F3C9'          DELAY 11 SECONDS  ACAL(9)                     VERISW
000350 4400                    428          DC    X'4400'          TRGCSW = 0                                    VERISW
000352 F3CA                    429          DC    X'F3CA'          DELAY 25/30-T SECS  ACAL(10)                  VERISW
000354 F90C                    430          DC    X'F90C'          CALL MPDFIR                                   VERISW
000356 FAFE                    431          DC    X'FAFE'     END MPDSET                                         VERISW
000358 FA0C                    432          DC    X'FA0C'     --->START MPDFIR                                   VERISW
00035A FF1B                    433          DC    X'FF1B'          IF TRGCFD=0                                   VERISW
00035C 3807                    434          DC    X'3807'            ENFAV=1,ENTRG=1,ENPFN=1                     VERISW
00035E FFFE                    435          DC    X'FFFE'          END-IF                                        VERISW
000360 FF1C                    436          DC    X'FF1C'          IF TRGCFD<>0                                  VERISW
000362 3806                    437          DC    X'3806'            ENFAV=1,ENTRG=0,ENPFN=1                     VERISW
000364 FFFE                    438          DC    X'FFFE'          END-IF                                        VERISW
000366 7601                    439          DC    X'7601'          MPDSLT=1                                      VERISW
000368 FD0F                    440          DC    X'FD0F'          DELAY 1.5  ***                                VERISW
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000368 7600          441          DC    X'7600'          MPOSET=0                                VERISW
00036A 3800          442          DC    X'3800'          EMPFN=0;ENFAV=0;ENTRC=0                 VERISW
00036C FAFF          443          DC    X'FAFF'        END MPOF IR                               VERISW
00036E FA00          444          DC    X'FA00'      -->START NGPCHK                           VERISW
000370 2801          445          DC    X'2801'          NGMVSW = 1                              VERISW
000372 3A01          446          DC    X'3A01'          NMARDM = 1                              VERISW
000374 FD08          447          DC    X'FD08'          DELAY 0.8 SEC                           VERISW
000376 0301          448          DC    X'0301'          MPX0=3 = 1                              VERISW
000378 1102          449          DC    X'1102'          MPXM0-2 = 2                             VERISW
00037A 1000          450          DC    X'1000'          MD0-3 = 0                               VERISW
00037C 3900          451          DC    X'3900'          MSMPL3 = 0                              VERISW
00037E 4E01          452          DC    X'4E01'          MPDLY = 1                               VERISW
000380 7701          453          DC    X'7701'          NGPSET = 1                              VERISW
000382 FD0F          454          DC    X'FD0F'          DELAY 1.5 ***                           VERISW
000384 7700          455          DC    X'7700'          NGPSET=0                                VERISW
000386 3A00          456          DC    X'3A00'          NMARDM=0                                VERISW
000388 2800          457          DC    X'2800'          NGMVSW=0                                VERISW
00038A FAFE          458          DC    X'FAFE'        END NGPCHK                                VERISW
00038C FA0E          459          DC    X'FA0E'      -->START FAVCHK                           VERISW
00038E F70F          460          DC    X'F70F'          SET PARMS                               VERISW
000390 0001          461          DC    X'0001'            CALIBRATION MODE ON                   VERISW
000392 6C01          462          DC    X'6C01'          CAPDMP = 1                              VERISW
000394 6D00          463          DC    X'6D00'          FAVSLT = 0                              VERISW
000396 FD05          464          DC    X'FD05'          DELAY 0.5 SEC                           VERISW
000398 4301          465          DC    X'4301'          FAVCSW = 1                              VERISW
00039A FD32          466          DC    X'FD32'          DELAY 5.0 SEC                           VERISW
00039C 4300          467          DC    X'4300'          FAVCSW = 0                              VERISW
00039E FD64          468          DC    X'FD64'          DELAY 10.0 SEC                          VERISW
0003A0 3804          469          DC    X'3804'          ENFAV = 1                               VERISW
0003A2 7601          470          DC    X'7601'          MPOSET = 1                              VERISW
0003A4 FD0F          471          DC    X'FD0F'          DELAY 1.5 SEC                           VERISW
0003A6 7600          472          DC    X'7600'          MPOSET = 0                              VERISW
0003A8 3800          473          DC    X'3800'          ENFAV = 0                               VERISW
0003AA 6D01          474          DC    X'6D01'          FAVSLT = 1                              VERISW
0003AC FD05          475          DC    X'FD05'          DELAY 0.5 SEC                           VERISW
0003AE 4301          476          DC    X'4301'          FAVCSW = 1                              VERISW
0003B0 FD32          477          DC    X'FD32'          DELAY 5.0 SEC                           VERISW
0003B2 4300          478          DC    X'4300'          FAVCSW = 0                              VERISW
0003B4 FD64          479          DC    X'FD64'          DELAY 10.0 SEC                          VERISW
0003B6 3804          480          DC    X'3804'          ENFAV = 1                               VERISW
0003B8 7601          481          DC    X'7601'          MPOSET = 1                              VERISW
0003BA FD0F          482          DC    X'FD0F'          DELAY 1.5 SEC                           VERISW
0003BC 7600          483          DC    X'7600'          MPOSET = 0                              VERISW
0003BE 3800          484          DC    X'3800'          ENFAV = 0                               VERISW
0003C0 6C00          485          DC    X'6C00'          CAPDMP = 0                              VERISW
0003C2 6D00          486          DC    X'6D00'          FAVSLT = 0                              VERISW
0003C4 FD02          487          DC    X'FD02'          DELAY 0.2 SEC                           VERISW
0003C6 F70F          488          DC    X'F70F'          SET PARAMETERS                          VERISW
0003C8 0000          489          DC    X'0000'            CALIBRATION MODE OFF                  VERISW
0003CA FAFE          490          DC    X'FAFE'        END FAVCHK                                VERISW
0003CC FA0F          491          DC    X'FA0F'      -->START TRGCHK                           VERISW
0003CE F70F          492          DC    X'F70F'          SET PARAMETERS                          VERISW
0003D0 0001          493          DC    X'0001'            CALIBRATION MODE ON                   VERISW
0003D2 FD02          494          DC    X'FD02'          DELAY .2                                VERISW
0003D4 6C01          495          DC    X'6C01'          CAPDMP = 1                              VERISW
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000300 6EC0              496          DC    X'6EC0'      TRGSLT = 0                    VERISW
000302 FDC5              497          DC    X'FDC5'      DELAY 0.5 SEC                 VERISW
000304 4401              498          DC    X'4401'      TRGCSW = 1                    VERISW
000306 FD32              499          DC    X'FD32'      DELAY 5.0 SEC                 VERISW
000308 4400              500          DC    X'4400'      TRGCSW = 0                    VERISW
00030A FD46              501          DC    X'FD46'      DELAY 7.0 SEC                 VERISW
00030C 6C00              502          DC    X'6C00'      CAPDMP = 0                    VERISW
00030E FD23              503          DC    X'FD23'      DELAY 3.5 SEC                 VERISW
000310 6C01              504          DC    X'6C01'      CAPDMP = 1                    VERISW
000312 6E01              505          DC    X'6E01'      TRGSLT = 1                    VERISW
000314 FDC5              506          DC    X'FDC5'      DELAY 0.5 SEC                 VERISW
000316 4401              507          DC    X'4401'      TRGCSW = 1                    VERISW
000318 FD32              508          DC    X'FD32'      DELAY 5.0 SEC                 VERISW
00031A 4400              509          DC    X'4400'      TRGCSW = 0                    VERISW
00031C FD46              510          DC    X'FD46'      DELAY 7.0 SEC                 VERISW
00031E 6C00              511          DC    X'6C00'      CAPDMP = 0                    VERISW
000320 FD23              512          DC    X'FD23'      DELAY 3.5 SEC                 VERISW
000322 6E00              513          DC    X'6E00'      TRGSLT = 0                    VERISW
000324 FDC2              514          DC    X'FDC2'      DELAY 0.2 SEC                 VERISW
000326 F70E              515          DC    X'F70E'      SET PARAMETERS                VERISW
000328 0000              516          DC    X'0000'        CALIBRATION MODE OFF        VERISW
00032A FAFE              517          DC    X'FAFE'    END TRGCHK                    VERISW
00032C FA10              518          DC    X'FA10'    -->START PFNCHK               VERISW
00032E F70E              519          DC    X'F70E'      SET PARAMETERS              VERISW
000330 0001              520          DC    X'0001'        CALIBRATION MODE ON       VERISW
000332 6C01              521          DC    X'6C01'      CAPDMP = 1                    VERISW
000334 4401              522          DC    X'4401'      PFNTST = 1                    VERISW
000336 6500              523          DC    X'6500'      PFNSW1 = 0                    VERISW
000338 6600              524          DC    X'6600'      PFNSW2 = 0                    VERISW
00033A 6700              525          DC    X'6700'      PFNSW3 = 0                    VERISW
00033C 6800              526          DC    X'6800'      PFNSW4 = 0                    VERISW
00033E FDC5              527          DC    X'FDC5'      DELAY 0.5 SEC                 VERISW
000340 6501              528          DC    X'6501'      PFNSW1 = 1                    VERISW
000342 FDC5              529          DC    X'FDC5'      DELAY 0.5 SEC                 VERISW
000344 4201              530          DC    X'4201'      PFNCSW = 1                    VERISW
000346 FD78              531          DC    X'FD78'      DELAY 12.0 SEC                VERISW
000348 4200              532          DC    X'4200'      PFNCSW = 0                    VERISW
00034A FDC5              533          DC    X'FDC5'      DELAY 0.5 SEC                 VERISW
00034C 6500              534          DC    X'6500'      PFNSW1 = 0                    VERISW
00034E FDC8              535          DC    X'FDC8'      DELAY 20.0 SEC                VERISW
000350 3802              536          DC    X'3802'      ENPFN = 1                     VERISW
000352 7601              537          DC    X'7601'      HPDSLT = 1                    VERISW
000354 FD32              538          DC    X'FD32'      DELAY 5.0 SEC                 VERISW
000356 7600              539          DC    X'7600'      HPDSET = 0                    VERISW
000358 3800              540          DC    X'3800'      ENPFN = 0                     VERISW
00035A FDC5              541          DC    X'FDC5'      DELAY 0.5 SEC                 VERISW
00035C 6601              542          DC    X'6601'      PFNSW2 = 1                    VERISW
00035E FDC5              543          DC    X'FDC5'      DELAY 0.5 SEC                 VERISW
000360 4201              544          DC    X'4201'      PFNCSW = 1                    VERISW
000362 FD78              545          DC    X'FD78'      DELAY 12.0 SEC                VERISW
000364 4200              546          DC    X'4200'      PFNCSW = 0                    VERISW
000366 FDC5              547          DC    X'FDC5'      DELAY 0.5 SEC                 VERISW
000368 6600              548          DC    X'6600'      PFNSW2 = 0                    VERISW
00036A FDC8              549          DC    X'FDC8'      DELAY 20.0 SEC                VERISW
00036C 3802              550          DC    X'3802'      ENPFN = 1                     VERISW
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000444 7631                 591          DC    X'7631'          MPDSET = 1                    VER15W
000446 FD32                 592          DC    X'FD32'          DELAY 5.0 SEC                 VER15W
000448 7600                 593          DC    X'7600'          MPDSET = 0                    VER15W
00044A 3800                 594          DC    X'3800'          EMPTN = 0                     VER15W
00044C FDC5                 595          DC    X'FDC5'          DELAY 0.5 SEC                 VER15W
00044E 6731                 596          DC    X'6731'          PFNSW3 = 0                    VER15W
000450 FDC5                 597          DC    X'FDC5'          DELAY 0.5 SEC                 VER15W
000452 4201                 598          DC    X'4201'          PFNCSW = 1                    VER15W
000454 FD78                 599          DC    X'FD78'          DELAY 12.0 SEC                VER15W
000456 4200                 600          DC    X'4200'          PFNCSW = 0                    VER15W
000458 FDC5                 601          DC    X'FDC5'          DELAY 0.5 SEC                 VER15W
00045A 6700                 602          DC    X'6700'          PFNSW3 = 0                    VER15W
00045C FDC8                 603          DC    X'FDC8'          DELAY 20.0 SEC                VER15W
00045E 3802                 604          DC    X'3802'          EMPTN = 1                     VER15W
000460 7601                 605          DC    X'7601'          MPDSET = 1                    VER15W
000462 FD32                 606          DC    X'FD32'          DELAY 5.0 SEC                 VER15W
000464 7600                 607          DC    X'7600'          MPDSET = 0                    VER15W
000466 3800                 608          DC    X'3800'          EMPTN = 0                     VER15W
000468 FDC5                 609          DC    X'FDC5'          DELAY 0.5 SEC                 VER15W
00046A 6801                 610          DC    X'6801'          PFNSW4 = 1                    VER15W
00046C FDC5                 611          DC    X'FDC5'          DELAY 0.5 SEC                 VER15W
00046E 4201                 612          DC    X'4201'          PFNCSW = 1                    VER15W
000470 FD78                 613          DC    X'FD78'          DELAY 12.0 SEC                VER15W
000472 4200                 614          DC    X'4200'          PFNCSW = 0                    VER15W
000474 FDC5                 615          DC    X'FDC5'          DELAY 0.5 SEC                 VER15W
000476 6800                 616          DC    X'6800'          PFNSW4 = 0                    VER15W
000478 FDC8                 617          DC    X'FDC8'          DELAY 20.0 SEC                VER15W
00047A 3802                 618          DC    X'3802'          EMPTN = 1                     VER15W
00047C 7601                 619          DC    X'7601'          MPDSET = 1                    VER15W
00047E FD32                 620          DC    X'FD32'          DELAY 5.0 SEC                 VER15W
000480 7600                 621          DC    X'7600'          MPDSET = 0                    VER15W
000482 3800                 622          DC    X'3800'          EMPTN = 0                     VER15W
000484 FDC5                 623          DC    X'FDC5'          DELAY 0.5 SEC                 VER15W
000486 6C00                 624          DC    X'6C00'          CAPOMP = 0                    VER15W
000488 4A00                 625          DC    X'4A00'          PTHTST = 0                    VER15W
00048A FD02                 626          DC    X'FD02'          DELAY 0.2 SEC                 VER15W
00048C F70E                 627          DC    X'F70E'          SET PARAMETERS                VER15W
00048E 0000                 628          DC    X'0000'            CALIBRATION MODE OFF        VER15W
000490 FAFE                 629          DC    X'FAFE'        END PENCHK                      VER15W
000492 FA11                 630          DC    X'FA11'      -->START GASCHK                   VER15W
000494 F70F                 631          DC    X'F70E'          SET PARAMETERS                VER15W
000496 0001                 632          DC    X'0001'            CALIBRATION MODE ON         VER15W
000498 6C01                 633          DC    X'6C01'          CAPOMP = 1                    VER15W
00049A F709                 634          DC    X'F709'          SET PARMS                     VER15W
00049C 0001                 635          DC    X'0001'            IXIP = 1                    VER15W
00049E F812                 636          DC    X'F812'        CALL FAVPOR(IXIP)               VER15W
0004A0 4301                 637          DC    X'4301'          FAVCSW = 1                    VER15W
0004A2 FDCA                 638          DC    X'FDCA'          DELAY 1.0 SEC                 VER15W
0004A4 4300                 639          DC    X'4300'          FAVCSW = 0                    VER15W
0004A6 FDC5                 640          DC    X'FDC5'          DELAY 0.5 SEC                 VER15W
0004A8 3804                 641          DC    X'3804'          EMFAV = 1                     VER15W
0004AA 7601                 642          DC    X'7601'          MPDSET = 1                    VER15W
0004AC FD0F                 643          DC    X'FD0F'          DELAY 1.5 SEC                 VER15W
0004AE 7600                 644          DC    X'7600'          MPDSET = 0                    VER15W
0004B0 3800                 645          DC    X'3800'          EMFAV = 0                     VER15W
0004B2
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000484 FDC5          606          DC    X'FDC5'          DELAY 0.5 SEC                    VERISW
000486 F813          607          DC    X'F813'      CALL FAVPOF                          VERISW
000488 F70B          608          DC    X'F70B'        SET PARMS                          VERISW
00048A 0002          609          DC    X'0002'          IXFP=2                           VERISW
00048C F812          610          DC    X'F812'        CALL FAVPON(IXFP)                  VERISW
00048E 4301          611          DC    X'4301'        FAVCSW = 1                         VERISW
000490 FD0A          612          DC    X'FD0A'        DELAY 1.0 SEC                      VERISW
000492 4300          613          DC    X'4300'        FAVCSW = 0                         VERISW
000494 FDC5          614          DC    X'FDC5'        DELAY 0.5 SEC                      VERISW
000496 3804          615          DC    X'3804'        ENFAV = 1                          VERISW
000498 7501          616          DC    X'7501'        MPOSET = 1                         VERISW
00049A FD0F          617          DC    X'FD0F'        DELAY 1.5 SEC                      VERISW
00049C 7600          618          DC    X'7600'        MPOSET = 0                         VERISW
00049E 3800          619          DC    X'3800'        ENFAV = 0                          VERISW
0004A0 FDC5          620          DC    X'FDC5'        DELAY 0.5 SEC                      VERISW
0004A2 F813          621          DC    X'F813'      CALL FAVPOF                          VERISW
0004A4 6C00          622          DC    X'6C00'        CAPDMP = 0                         VERISW
0004A6 FDC2          623          DC    X'FDC2'        DELAY 0.2 SEC                      VERISW
0004A8 F70E          624          DC    X'F70E'        SET PARAMETERS                     VERISW
0004AA 0000          625          DC    X'0000'          CALIBRATION MODE OFF             VERISW
0004AC FAFE          626          DC    X'FAFE'      END GASCHK                           VERISW
0004AE FA12          627          DC    X'FA12'    -->START FAVPON                        VERISW
0004B0 7000          628          DC    X'7000'        GSMVSW = 0                         VERISW
0004B2 6900          629          DC    X'6900'        AT1VSW = 0                         VERISW
0004B4 6A00          630          DC    X'6A00'        AT2VSW = 0                         VERISW
0004B6 FDC5          631          DC    X'FDC5'        DELAY 0.5 SEC                      VERISW
0004B8 7101          632          DC    X'7101'        GSDVSW = 1                         VERISW
0004BA FD32          633          DC    X'FD32'        DELAY 5.0 SEC                      VERISW
0004BC 7100          634          DC    X'7100'        GSDVSW = 0                         VERISW
0004BE FDC2          635          DC    X'FDC2'        DELAY 0.2 SEC                      VERISW
0004C0 7001          636          DC    X'7001'        GSMVSW = 1                         VERISW
0004C2 FDC1          637          DC    X'FDC1'        DELAY 0.1 SEC                      VERISW
0004C4 FF13          638          DC    X'FF13'      IF IXFP.EQ.1                         VERISW
0004C6 6901          639          DC    X'6901'        AT1VSW = 1                         VERISW
0004C8 FFFE          640          DC    X'FFFE'      ENDIF                                VERISW
0004CA FF14          641          DC    X'FF14'      IF IXFP.NE.1                         VERISW
0004CC 6A01          642          DC    X'6A01'        AT2VSW = 1                         VERISW
0004CE FFFE          643          DC    X'FFFE'      ENDIF                                VERISW
0004D0 FD0A          644          DC    X'FD0A'        DELAY 1.0 SEC                      VERISW
0004D2 FAFE          645          DC    X'FAFE'      END FAVPON                           VERISW
0004D4 FA13          646          DC    X'FA13'    -->START FAVPOF                        VERISW
0004D6 7000          647          DC    X'7000'        GSMVSW = 0                         VERISW
0004D8 6900          648          DC    X'6900'        AT1VSW = 0                         VERISW
0004DA 6A00          649          DC    X'6A00'        AT2VSW = 0                         VERISW
0004DC FDC5          650          DC    X'FDC5'        DELAY 0.5 SEC                      VERISW
0004DE 7101          651          DC    X'7101'        GSDVSW = 1                         VERISW
0004E0 FD0A          652          DC    X'FD0A'        DELAY 1.0 SEC                      VERISW
0004E2 7100          653          DC    X'7100'        GSDVSW = 0                         VERISW
0004E4 FD02          654          DC    X'FD02'        DELAY 0.2 SEC                      VERISW
0004E6 FAFE          655          DC    X'FAFE'      END FAVPOF                           VERISW
0004E8 FA14          656          DC    X'FA14'    -->START MPOSET                        VERISW
0004EA 4200          657          DC    X'4200'        PINCSW = 0                         VERISW
0004EC 4300          658          DC    X'4300'        FAVCSW = 0                         VERISW
0004EE 4400          659          DC    X'4400'        TRGCSW = 0                         VERISW
0004F0 4A00          660          DC    X'4A00'        PITCSW = 0                         VERISW
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000522 F0C7          661          DC    X'F0C7'      DELAY 0.2 SEC                    VERIFY
000524 63C0          662          DC    X'63C0'      PT3SW1 = 0                       VERIFY
000526 64CC          663          DC    X'64CC'      PT3SW2 = 0                       VERIFY
000528 67C0          664          DC    X'67C0'      PT3SW3 = 0                       VERIFY
00052A 68C0          665          DC    X'68C0'      PT3SW4 = 0                       VERIFY
00052C F0C7          666          DC    X'F0C7'      DELAY 0.2 SEC                    VERIFY
00052E 6CC0          667          DC    X'6CC0'      CAPDMP = 0                       VERIFY
000530 6DC0          668          DC    X'6DC0'      FRVSET = 0                       VERIFY
000532 6FC0          669          DC    X'6FC0'      IRGSET = 0                       VERIFY
000534 F0C7          670          DC    X'F0C7'      DELAY 0.2 SEC                    VERIFY
000536 7000          671          DC    X'7000'      GSWVSW = 0                       VERIFY
000538 71C0          672          DC    X'71C0'      GSBVSW = 0                       VERIFY
00053A 6900          673          DC    X'6900'      AIIVSW = 0                       VERIFY
00053C 6AC0          674          DC    X'6AC0'      AT2VSW = 0                       VERIFY
00053E 3800          675          DC    X'3800'      EXPEN = 0, DELAY = 0, ENTRG = 0  VERIFY
000540 38C0          676          DC    X'38C0'      AIDB-7 = 0                       VERIFY
000542 3800          677          DC    X'3800'      AIDB-11 = 0                      VERIFY
000544 4000          678          DC    X'4000'      AIDD-3 = 0                       VERIFY
000546 3500          679          DC    X'3500'      AIDA-7 = 0                       VERIFY
000548 75C0          680          DC    X'75C0'      MPOSET = 0                       VERIFY
00054A F0C2          681          DC    X'F0C2'      DELAY 0.2 SEC                    VERIFY
00054C 2800          682          DC    X'2800'      NGMVSW = 0                       VERIFY
00054E 7700          683          DC    X'7700'      NGPSET = 0                       VERIFY
000550 4801          684          DC    X'4801'      MPOLY = 1                        VERIFY
000552 0300          685          DC    X'0300'      MPAD-3 = 0                       VERIFY
000554 1100          686          DC    X'1100'      MPBMD-2 = 0                      VERIFY
000556 1000          687          DC    X'1000'      NDD-3 = 0                        VERIFY
000558 0F00          688          DC    X'0F00'      NDMD-2 = 0                       VERIFY
00055A 3900          689          DC    X'3900'      NSMPLS = 0                       VERIFY
00055C 3A00          690          DC    X'3A00'      NHARDM = 0                       VERIFY
00055E F0C2          691          DC    X'F0C2'      DELAY 0.2 SEC                    VERIFY
000560 FAFE          692          DC    X'FAFE'      END MPDOFF                       VERIFY
000562 FA15          693          DC    X'FA15'      -->START CHGCHK                  VERIFY
000564 F70E          694          DC    X'F70E'      SET PARAMETERS                   VERIFY
000566 0001          695          DC    X'0001'        CALIBRATION MODE ON            VERIFY
000568 4500          696          DC    X'4500'      CHGDM1 = 0                       VERIFY
00056A 4600          697          DC    X'4600'      CHGDM2 = 0                       VERIFY
00056C 4700          698          DC    X'4700'      CHGCK1 = 0                       VERIFY
00056E 4800          699          DC    X'4800'      CHGCK2 = 0                       VERIFY
000570 F0C5          700          DC    X'F0C5'      DELAY 0.5 SEC                    VERIFY
000572 4501          701          DC    X'4501'      CHGDM1 = 1                       VERIFY
000574 4601          702          DC    X'4601'      CHGDM2 = 1                       VERIFY
000576 F0C5          703          DC    X'F0C5'      DELAY 0.5 SEC                    VERIFY
000578 4701          704          DC    X'4701'      CHGCK1 = 1                       VERIFY
00057A 4801          705          DC    X'4801'      CHGCK2 = 1                       VERIFY
00057C F0DA          706          DC    X'F0DA'      DELAY 1.0 SEC                    VERIFY
00057E 4700          707          DC    X'4700'      CHGCK1 = 0                       VERIFY
000580 4800          708          DC    X'4800'      CHGCK2 = 0                       VERIFY
000582 F0C5          709          DC    X'F0C5'      DELAY 0.5 SEC                    VERIFY
000584 4500          710          DC    X'4500'      CHGDM1 = 0                       VERIFY
000586 4600          711          DC    X'4600'      CHGDM2 = 0                       VERIFY
000588 F70E          712          DC    X'F70E'      SET PARAMETERS                   VERIFY
00058A 0000          713          DC    X'0000'        CALIBRATION MODE OFF           VERIFY
00058C FAFE          714          DC    X'FAFE'      END CHGCHK                       VERIFY
00058E FA10          715          DC    X'FA10'      -->START CHGSTO                  VERIFY
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0005D0 3301          716        DC    X'3301'          SPSSW1 = 1                    VERISW
0005D2 4001          717        DC    X'4001'          SPSSW2 = 1                    VERISW
0005D4 FD05          718        DC    X'FD05'          DELAY 0.5 SEC                 VERISW
0005D6 F814          719        DC    X'F814'          CALL SPDOFF                   VERISW
0005D8 FAFE          720        DC    X'FAFE'       END OF GSTD                      VERISW
0005DA FA17          721        DC    X'FA17'       -->START OPSPON                  VERISW
0005DC F815          722        DC    X'F815'       CALL EPEOFF                      VERISW
0005DE 1600          723        DC    X'1600'          EPVTON = 0                    VERISW
0005E0 3101          724        DC    X'3101'          OPPSC = 1                     VERISW
0005E2 FD0A          725        DC    X'FD0A'          DELAY 1.0 SEC                 VERISW
0005E4 3301          726        DC    X'3301'          OPPLPC = 1                    VERISW
0005E6 FD02          727        DC    X'FD02'          DELAY 0.2 SEC                 VERISW
0005E8 3300          728        DC    X'3300'          OPPLPC = 0                    VERISW
0005EA 3401          729        DC    X'3401'          OPPWPC = 1                    VERISW
0005EC FD02          730        DC    X'FD02'          DELAY 0.2 SEC                 VERISW
0005EE 3400          731        DC    X'3400'          OPPWPC = 0                    VERISW
0005F0 2801          732        DC    X'2801'          OPEPVC = 1                    VERISW
0005F2 FD02          733        DC    X'FD02'          DELAY 0.2 SEC                 VERISW
0005F4 2800          734        DC    X'2800'          OPEPVC = 0                    VERISW
0005F6 2701          735        DC    X'2701'          OPEPEC = 1                    VERISW
0005F8 FD02          736        DC    X'FD02'          DELAY 0.2 SEC                 VERISW
0005FA 2700          737        DC    X'2700'          OPEPEC = 0                    VERISW
0005FC 2F00          738        DC    X'2F00'          PHIRC0-3 = 0                  VERISW
0005FE 2E03          739        DC    X'2E03'          PHIFC0-1 = 3                  VERISW
000600 2D0F          740        DC    X'2D0F'          PHOAG0-4 = 15                 VERISW
000602 3201          741        DC    X'3201'          OPPHOC = 1                    VERISW
000604 FD02          742        DC    X'FD02'          DELAY 0.2 SEC                 VERISW
000606 3200          743        DC    X'3200'          OPPHOC = 0                    VERISW
000608 8341          744        DC    X'8341'          OPPLC = PA                    VERISW
00060A FD02          745        DC    X'FD02'          DELAY 0.2 SEC                 VERISW
00060C 8442          746        DC    X'8442'          OPPWPC = PB                   VERISW
00060E FD02          747        DC    X'FD02'          DELAY 0.2 SEC                 VERISW
000610 A844          748        DC    X'A844'          OPEPVC = PD                   VERISW
000612 FD02          749        DC    X'FD02'          DELAY 0.2 SEC                 VERISW
000614 A743          750        DC    X'A743'          OPEPEC = PC                   VERISW
000616 FD02          751        DC    X'FD02'          DELAY 0.2 SEC                 VERISW
000618 8245          752        DC    X'8245'          OPPHOC = PE                   VERISW
00061A FD02          753        DC    X'FD02'          DELAY 0.2 SEC                 VERISW
00061C FAFE          754        DC    X'FAFE'       END OPSPON                       VERISW
00061E FA18          755        DC    X'FA18'       -->START OPSPOF                  VERISW
000620 F910          756        DC    X'F910'       CALL PLLCHK                      VERISW
000622 F91F          757        DC    X'F91F'       CALL PLF9HK                      VERISW
000624 F920          758        DC    X'F920'       CALL PWPCHK                      VERISW
000626 F925          759        DC    X'F925'       CALL EPVCHK                      VERISW
000628 F923          760        DC    X'F923'       CALL EPECHK                      VERISW
00062A F918          761        DC    X'F918'       CALL PHOCHK                      VERISW
00062C FDFF          762        DC    X'FDFF'          DELAY 25.5                    VERISW
00062E FD98          763        DC    X'FD98'          DELAY 15.5                    VERISW
000630 F81A          764        DC    X'F81A'       CALL PHOSTR                      VERISW
000632 1600          765        DC    X'1600'          EPVTON = 0                    VERISW
000634 F819          766        DC    X'F819'       CALL EPEOFF                      VERISW
000636 FD0A          767        DC    X'FD0A'          DELAY 1.0                     VERISW
000638 3300          768        DC    X'3300'          OPPLPC = 0                    VERISW
00063A 3400          769        DC    X'3400'          OPPWPC = 0                    VERISW
00063C 3200          770        DC    X'3200'          OPPHOC = 0                    VERISW
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0035FE 2800          771          DC    X'2800'          DPEPVC = 0                    VERISW
000600 2700          772          DC    X'2700'          DPLPEC = 0                    VERISW
000602 FD01          773          DC    X'FD0A'          DELAY 1.0 SEC                 VERISW
000604 3100          774          DC    X'3100'          DPPSC = 0                     VERISW
000606 FD0A          775          DC    X'FD0A'          DELAY 1.0 SEC                 VERISW
000608 FAFE          776          DC    X'FAFE'        END DPSPOF                      VERISW
00060A FA19          777          DC    X'FA19'      -->START EPEOFF                   VERISW
00060C 1300          778          DC    X'1300'          EPAHVC = 0                    VERISW
00060E 1200          779          DC    X'1200'          EPAFXC-4 = 0                  VERISW
000610 1401          780          DC    X'1401'          EPAFIX = 1                    VERISW
000612 FAFC          781          DC    X'FAFC'        END EPEOFF                      VERISW
000614 FA1A          782          DC    X'FA1A'      -->START PHOSTW                   VERISW
000616 2F00          783          DC    X'2F00'          PHIRCO-3 = 0                  VERISW
000618 2E03          784          DC    X'2E03'          PHFLCO-3 = 3                  VERISW
00061A FF00          785          DC    X'FF00'        IF ANGL.EQ.0                    VERISW
00061C 200F          786          DC    X'200F'          PHOAGO-4 = 15                 VERISW
00061E FFFE          787          DC    X'FFFE'                                        VERISW
000620 FF0L          788          DC    X'FF0L'        IF ANGLE.NE.0                   VERISW
000622 201F          789          DC    X'201F'          PHOAGO-4 = 31                 VERISW
000624 FFFF          790          DC    X'FFFF'                                        VERISW
000626 FDFF          791          DC    X'FDFF'          DELAY 25.5 SEC                VERISW
000628 FD2D          792          DC    X'FD2D'          DELAY 4.5 SEC                 VERISW
00062A FAFE          793          DC    X'FAFE'        END PHOSTW                      VERISW
00062C FA1B          794          DC    X'FA1B'      -->START PHOCHK                   VERISW
00062E F70F          795          DC    X'F70F'          SET PARAMETERS                VERISW
000630 0001          796          DC    X'0001'            CALIBRATION MODE ON         VERISW
000632 3000          797          DC    X'3000'          PHOCLC = 0                    VERISW
000634 2F00          798          DC    X'2F00'          PHIRCO-3 = 0                  VERISW
000636 2E00          799          DC    X'2E00'          PHFLCO-1 = 0                  VERISW
000638 FD78          800          DC    X'FD78'          DELAY 12.0 SEC                VERISW
00063A 2E01          801          DC    X'2E01'          PHFLCO-1 = 1                  VERISW
00063C FD28          802          DC    X'FD28'          DELAY 4.0 SEC                 VERISW
00063E 2EC2          803          DC    X'2E02'          PHFLCO-1 = 2                  VERISW
000640 FD28          804          DC    X'FD28'          DELAY 4.0 SEC                 VERISW
000642 2EC3          805          DC    X'2E03'          PHFLCO-3 = 3                  VERISW
000644 FD28          806          DC    X'FD28'          DELAY 4.0 SEC                 VERISW
000646 2F0F          807          DC    X'2F0F'          PHIRCO-3 = 15                 VERISW
000648 FDA0          808          DC    X'FDA0'          DELAY 16.0 SEC                VERISW
00064A 3001          809          DC    X'3001'          PHOCLC = 1                    VERISW
00064C FD0A          810          DC    X'FD0A'          DELAY 1.0 SEC                 VERISW
00064F 3000          811          DC    X'3000'          PHOCLC = 0                    VERISW
000650 F70E          812          DC    X'F70E'          SET PARAMETERS                VERISW
000652 0000          813          DC    X'0000'            CALIBRATION MODE OFF        VERISW
000654 FAFF          814          DC    X'FAFF'        END PHOCHK                      VERISW
000656 FA1C          815          DC    X'FA1C'      --->ISOFIR                        VERISW
000658 FD6E          816          DC    X'FD6E'          DELAY 11.0                    VERISW
00065A F822          817          DC    X'F822'          CALL IRGSET                   VERISW
00065C F921          818          DC    X'F921'          CALL IRGFIR                   VERISW
00065E FD73          819          DC    X'FD73'          DELAY 11.5                    VERISW
000660 F822          820          DC    X'F822'          CALL IRGSET                   VERISW
000662 F921          821          DC    X'F921'          CALL IRGFIR                   VERISW
000664 FD73          822          DC    X'FD73'          DELAY 11.5                    VERISW
000666 F822          823          DC    X'F822'          CALL IRGSET                   VERISW
000668 F921          824          DC    X'F921'          CALL IRGFIR                   VERISW
00066A FAFE          825          DC    X'FAFE'        END ISOFIR                      VERISW
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000660 FA1D                829       DC    X'FA1D'      -->START PLLCHK                    VERISW
000662 F70E                827       DC    X'F70E'        SET PARAMETERS                   VERISW
000664 0001                828       DC    X'0001'          CALIBRATION MODE ON            VERISW
000666 1B01                829       DC    X'1B01'        LPSW = 1                         VERISW
000668 FDC5                830       DC    X'FDC5'        DELAY 0.5 SEC                    VERISW
00066A 1A01                831       DC    X'1A01'        LPCAL = 1                        VERISW
00066C FD0A                832       DC    X'FD0A'        DELAY 1.0 SEC                    VERISW
00066E 1B00                833       DC    X'1B00'        LPSW = 0                         VERISW
000670 FDC5                834       DC    X'FDC5'        DELAY 0.5 SEC                    VERISW
000672 1C00                835       DC    X'1C00'        LPFIXC-1 = 0                     VERISW
000674 FD0A                836       DC    X'FD0A'        DELAY 1.0 SEC                    VERISW
000676 1C01                837       DC    X'1C01'        LPFIXC-1 = 1                     VERISW
000678 FD0A                838       DC    X'FD0A'        DELAY 1.0 SEC                    VERISW
00067A 1C02                839       DC    X'1C02'        LPFIXC-1 = 2                     VERISW
00067C FD0A                840       DC    X'FD0A'        DELAY 1.0 SEC                    VERISW
00067E 1C03                841       DC    X'1C03'        LPFIXC-1 = 3                     VERISW
000680 FD0A                842       DC    X'FD0A'        DELAY 1.0 SEC                    VERISW
000682 1B01                843       DC    X'1B01'        LPSW = 1                         VERISW
000684 FDC5                844       DC    X'FDC5'        DELAY 0.5 SEC                    VERISW
000686 1A00                845       DC    X'1A00'        LPCAL = 0                        VERISW
000688 FDC5                846       DC    X'FDC5'        DELAY 0.5 SEC                    VERISW
00068A F70E                847       DC    X'F70E'        SET PARAMETERS                   VERISW
00068C 0000                848       DC    X'0000'          CALIBRATION MODE OFF           VERISW
00068E FA1E                849       DC    X'FA1E'      END PLLCHK                         VERISW
000690 FA1E                850       DC    X'FA1E'      --->START NGPFIR                   VERISW
000692 3A01                851       DC    X'3A01'        NHARDM=1                         VERISW
000694 2801                852       DC    X'2801'        NG4VSW=1                         VERISW
000696 FDC0                853       DC    X'FDC0'        DELAY 0.0                        VERISW
000698 9018                854       DC    X'9018'        NDG-3=TAUEN                      VERISW
00069A 0F02                855       DC    X'0F02'        NDM0-2=2                         VERISW
00069C 0301                856       DC    X'0301'        NPM0-3=1                         VERISW
00069E 1102                857       DC    X'1102'        RPWM0-2=2                        VERISW
0006A0 4E00                858       DC    X'4E00'        NPDLY=0                          VERISW
0006A2 3900                859       DC    X'3900'        NSAPLS=0                         VERISW
0006A4 7701                860       DC    X'7701'        NGPSET=1                         VERISW
0006A6 FDDF                861       DC    X'FDDF'        DELAY 01.5 ***                   VERISW
0006A8 7700                862       DC    X'7700'        NGPSET=0                         VERISW
0006AA FF21                863       DC    X'FF21'        IF NOT FO MODEL # 1C             VERISW
0006AC 2800                864       DC    X'2800'          NG4VSW=0                       VERISW
0006AE FFFE                865       DC    X'FFFE'        ENDIF                            VERISW
0006B0 FAFE                866       DC    X'FAFE'      END NGPFIR                         VERISW
0006B2 FA1F                867       DC    X'FA1F'      -->START PLFCHK                    VERISW
0006C4 F70E                868       DC    X'F70E'        SET PARAMETERS                   VERISW
0006C6 0001                869       DC    X'0001'          CALIBRATION MODE ON            VERISW
0006C8 2A01                870       DC    X'2A01'        FPCAL = 1                        VERISW
0006CA FD0A                871       DC    X'FD0A'        DELAY 1.0 SEC                    VERISW
0006CC 2A00                872       DC    X'2A00'        FPCAL = 0                        VERISW
0006CE F70E                873       DC    X'F70E'        SET PARAMETERS                   VERISW
0006D0 0000                874       DC    X'0000'          CALIBRATION MODE OFF           VERISW
0006D2 FAFE                875       DC    X'FAFE'      END PLLCHK                         VERISW
0006D4 FA20                876       DC    X'FA20'      -->START PLPCHK                    VERISW
0006D6 F70E                877       DC    X'F70E'        SET PARAMETERS                   VERISW
0006D8 0001                878       DC    X'0001'          CALIBRATION MODE ON            VERISW
0006DA 2901                879       DC    X'2901'        PAHCAL = 1                       VERISW
0006DC 2501                880       DC    X'2501'        PELCAL = 1                       VERISW
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LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT		F2200V74 10/14/81
0006DA	1D00			881	DC	X'1D00'	PWHF0-7 = 0	VER15N
0006DC	1E00			882	DC	X'1E00'	PWHF8-10 = 0	VER15N
0006DE	2400			883	DC	X'2400'	PWLF0-7 = 0	VER15N
0006E0	2100			884	DC	X'2100'	PWHGN = 0	VER15N
0006E2	1F00			885	DC	X'1F00'	PWHBS = 0	VER15N
0006E4	2601			886	DC	X'2601'	PWLGN = 1	VER15N
0006E6	FD0A			887	DC	X'FD0A'	DELAY 1.0 SEC	VER15N
0006E8	1D00			888	DC	X'1D00'	PWHF0-7 = 0	VER15N
0006EA	1E02			889	DC	X'1E02'	PWHF8-10 = 2	VER15N
0006EC	2440			890	DC	X'2440'	PWLF0-7 = 64	VER15N
0006EE	FD0A			891	DC	X'FD0A'	DELAY 1.0 SEC	VER15N
0006F0	1D00			892	DC	X'1D00'	PWHF0-7 = 0	VER15N
0006F2	1E04			893	DC	X'1E04'	PWHF8-10 = 4	VER15N
0006F4	2480			894	DC	X'2480'	PWLF0-7 = 128	VER15N
0006F6	FD0A			895	DC	X'FD0A'	DELAY 1.0 SEC	VER15N
0006F8	1D00			896	DC	X'1D00'	PWHF0-7 = 0	VER15N
0006FA	1E06			897	DC	X'1E06'	PWHF8-10 = 6	VER15N
0006FC	24C0			898	DC	X'24C0'	PWLF0-7 = 192	VER15N
0006FE	FD0A			899	DC	X'FD0A'	DELAY 1.0 SEC	VER15N
000700	1DFE			900	DC	X'1DFE'	PWHF0-7 = 254	VER15N
000702	1E07			901	DC	X'1E07'	PWHF8-10 = 7	VER15N
000704	24FF			902	DC	X'24FF'	PWLF0-7 = 255	VER15N
000706	FD28			903	DC	X'FD28'	DELAY 4.0 SEC	VER15N
000708	2101			904	DC	X'2101'	PWHGN = 1	VER15N
00070A	FD28			905	DC	X'FD28'	DELAY 4.0 SEC	VER15N
00070C	1DFF			906	DC	X'1DFF'	PWHF0-7 = 255	VER15N
00070E	1E07			907	DC	X'1E07'	PWHF8-10 = 7	VER15N
000710	FD28			908	DC	X'FD28'	DELAY 4.0 SEC	VER15N
000712	1F01			909	DC	X'1F01'	PWHBS = 1	VER15N
000714	2600			910	DC	X'2600'	PWLGN = 0	VER15N
000716	FD28			911	DC	X'FD28'	DELAY 4.0 SEC	VER15N
000718	1F00			912	DC	X'1F00'	PWHBS = 0	VER15N
00071A	2100			913	DC	X'2100'	PWHGN = 0	VER15N
00071C	FD28			914	DC	X'FD28'	DELAY 4.0 SEC	VER15N
00071E	1F01			915	DC	X'1F01'	PWHBS = 1	VER15N
000720	FD28			916	DC	X'FD28'	DELAY 4.0 SEC	VER15N
000722	2000			917	DC	X'2000'	PWHCAL = 0	VER15N
000724	2500			918	DC	X'2500'	PWLCAL = 0	VER15N
000726	1F00			919	DC	X'1F00'	PWHBS=0	VER15N
000728	F70E			920	DC	X'F70E'	SET PARAMETERS	VER15N
00072A	0000			921	DC	X'0000'	CALIBRATION MODE OFF	VER15N
00072C	FAFE			922	DC	X'FAFE'	END PWPCHK	VER15N
00072E	FA21			923	DC	X'FA21'	--->START TRGFIR	VER15N
000730	3805			924	DC	X'3805'	ENFAV=1,ENTRG=1,ENFPW=0	VER15N
000732	7601			925	DC	X'7601'	IPOSET = 1	VER15N
000734	F00F			926	DC	X'F00F'	DELAY 1.5 ***	VER15N
000736	7600			927	DC	X'7600'	IPOSET=0	VER15N
000738	3800			928	DC	X'3800'	ENFAV=0,ENTRG=0,ENFPW=0	VER15N
00073A	FAFE			929	DC	X'FAFE'	END TRGFIR	VER15N
00073C	FA22			930	DC	X'FA22'	--->START TRGSET	VER15N
00073E	3E15			931	DC	X'3E15'	ILOD-11=1.15	VER15N
000740	3F01			932	DC	X'3F01'		VER15N
000742	4005			933	DC	X'4005'	M200-3=.5	VER15N
000744	3500			934	DC	X'3500'		VER15N
000746	6001			935	DC	X'6001'	CAPDRP=1	VER15N

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000748 FDC5                    936          DC    X'FDC5'          DELAY .5                    VERISW
00074A 4301                    937          DC    X'4301'          FAVCSW=1                    VERISW
00074C FD0A                    938          DC    X'FD0A'          DELAY 1.0                   VERISW
00074E 4300                    939          DC    X'4300'          FAVCSW=0                    VERISW
000750 FDC5                    940          DC    X'FDC5'          DELAY .5                    VERISW
000752 4401                    941          DC    X'4401'          TRGCSW=1                    VERISW
000754 FD0A                    942          DC    X'FD0A'          DELA 1.0                    VERISW
000756 4400                    943          DC    X'4400'          TRGSCW=0                    VERISW
000758 FDC5                    944          DC    X'FDC5'          DELAY .5                    VERISW
00075A FAFE                    945          DC    X'FAFE'          END TRGSET                  VERISW
00075C FA23                    946          DC    X'FA23'       -->START LPECHK                VERISW
00075E F70F                    947          DC    X'F70F'            SET PARAMETERS            VERISW
000760 0001                    948          DC    X'0001'              CALIBRATION MODE ON     VERISW
000762 1501                    949          DC    X'1501'            EPACAL = 1                VERISW
000764 FD64                    950          DC    X'FD64'            DELAY 10.0 SEC            VERISW
000766 FF0F                    951          DC    X'FF0F'          IF EHVC.EQ.1                VERISW
000768 1500                    952          DC    X'1500'            EPACAL = 0                VERISW
00076A 1301                    953          DC    X'1301'            EPAHVC = 1                VERISW
00076C FFFE                    954          DC    X'FFFE'                                      VERISW
00076E 1401                    955          DC    X'1401'            EPAFIX = 1                VERISW
000770 1200                    956          DC    X'1200'            EPAFX0-4 = 0              VERISW
000772 FD01                    957          DC    X'FD01'            DELAY .01                 VERISW
000774 1201                    958          DC    X'1201'            EPAFX0-4 = 1              VERISW
000776 FD01                    959          DC    X'FD01'            DELAY 0.1 SEC             VERISW
000778 1202                    960          DC    X'1202'            EPAFX0-4 = 2              VERISW
00077A FD01                    961          DC    X'FD01'            DELAY 0.1 SEC             VERISW
00077C 1203                    962          DC    X'1203'            EPAFX0-4 = 3              VERISW
00077E FD01                    963          DC    X'FD01'            DELAY 0.1 SEC             VERISW
000780 1204                    964          DC    X'1204'            EPAFX0-4 = 4              VERISW
000782 FD01                    965          DC    X'FD01'            DELAY 0.1 SEC             VERISW
000784 1205                    966          DC    X'1205'            EPAFX0-4 = 5              VERISW
000786 FD01                    967          DC    X'FD01'            DELAY 0.1 SEC             VERISW
000788 1206                    968          DC    X'1206'            EPAFX0-4 = 6              VERISW
00078A FD01                    969          DC    X'FD01'            DELAY 0.1 SEC             VERISW
00078C 1207                    970          DC    X'1207'            EPAFX0-4 = 7              VERISW
00078E FD01                    971          DC    X'FD01'            DELAY 0.1 SEC             VERISW
000790 1208                    972          DC    X'1208'            EPAFX0-4 = 8              VERISW
000792 FD01                    973          DC    X'FD01'            DELAY 0.1 SEC             VERISW
000794 1209                    974          DC    X'1209'            EPAFX0-4 = 9              VERISW
000796 FD01                    975          DC    X'FD01'            DELAY 0.1 SEC             VERISW
000798 120A                    976          DC    X'120A'            EPAFX0-4 = 10             VERISW
00079A FD01                    977          DC    X'FD01'            DELAY 0.1 SEC             VERISW
00079C 120B                    978          DC    X'120B'            EPAFX0-4 = 11             VERISW
00079E FD01                    979          DC    X'FD01'            DELAY 0.1 SEC             VERISW
0007A0 120C                    980          DC    X'120C'            EPAFX0-4 = 12             VERISW
0007A2 FD01                    981          DC    X'FD01'            DELAY 0.1 SEC             VERISW
0007A4 120D                    982          DC    X'120D'            EPAFX0-4 =13              VERISW
0007A6 FD01                    983          DC    X'FD01'            DELAY 0.1 SEC             VERISW
0007A8 120E                    984          DC    X'120E'            EPAFX0-4 = 14             VERISW
0007AA FD01                    985          DC    X'FD01'            DELAY 0.1 SEC             VERISW
0007AC 120F                    986          DC    X'120F'            EPAFX0-4 = 15             VERISW
0007AE FD01                    987          DC    X'FD01'            DELAY 0.1 SEC             VERISW
0007B0 1210                    988          DC    X'1210'            EPAFX0-4 = 16             VERISW
0007B2 FD01                    989          DC    X'FD01'            DELAY 0.1 SEC             VERISW
0007B4 1211                    990          DC    X'1211'            EPAFX0-4 = 17             VERISW
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0007B6 FD01                  941          DC    X'FD01'      DELAY 0.1 SEC                    VERISW
0007B8 1212                  942          DC    X'1212'      EPAFX0-4 = 18                    VERISW
0007BA FD01                  943          DC    X'FD01'      DELAY 0.1 SEC                    VERISW
0007BC 1213                  944          DC    X'1213'      EPAFX0-4 = 19                    VERISW
0007BE FD01                  945          DC    X'FD01'      DELAY 0.1 SEC                    VERISW
0007C0 1214                  946          DC    X'1214'      EPAFX0-4 = 20                    VERISW
0007C2 FD01                  947          DC    X'FD01'      DELAY 0.1 SEC                    VERISW
0007C4 1215                  948          DC    X'1215'      EPAFX0-4 = 21                    VERISW
0007C6 FD01                  949          DC    X'FD01'      DELAY 0.1 SEC                    VERISW
0007C8 1216                  1000         DC    X'1216'      EPAFX0-4 = 22                    VERISW
0007CA FD01                  1001         DC    X'FD01'      DELAY 0.1 SEC                    VERISW
0007CC 1217                  1002         DC    X'1217'      EPAFX0-4 = 23                    VERISW
0007CE FD01                  1003         DC    X'FD01'      DELAY 0.1 SEC                    VERISW
0007D0 1218                  1004         DC    X'1218'      EPAFX0-4 = 24                    VERISW
0007D2 FD01                  1005         DC    X'FD01'      DELAY 0.1 SEC                    VERISW
0007D4 1219                  1006         DC    X'1219'      EPAFX0-4 = 25                    VERISW
0007D6 FD01                  1007         DC    X'FD01'      DELAY 0.1 SEC                    VERISW
0007D8 121A                  1008         DC    X'121A'      EPAFX0-4 = 26                    VERISW
0007DA FD01                  1009         DC    X'FD01'      DELAY 0.1 SEC                    VERISW
0007DC 121B                  1010         DC    X'121B'      EPAFX0-4 = 27                    VERISW
0007DE FD01                  1011         DC    X'FD01'      DELAY 0.1 SEC                    VERISW
0007E0 121C                  1012         DC    X'121C'      EPAFX0-4 = 28                    VERISW
0007E2 FD01                  1013         DC    X'FD01'      DELAY 0.1 SEC                    VERISW
0007E4 121D                  1014         DC    X'121D'      EPAFX0-4 = 29                    VERISW
0007E6 FD01                  1015         DC    X'FD01'      DELAY 0.1 SEC                    VERISW
0007E8 121E                  1016         DC    X'121E'      EPAFX0-4 = 30                    VERISW
0007EA FD01                  1017         DC    X'FD01'      DELAY 0.1 SEC                    VERISW
0007EC 121F                  1018         DC    X'121F'      EPAFX0-4 = 31  END = 32          VERISW
0007EE FD01                  1019         DC    X'FD01'      DELAY 0.1 SEC                    VERISW
0007F0 121F                  1020         DC    X'121F'      EPAFX0-4 = 31                    VERISW
0007F2 FD01                  1021         DC    X'FD01'      DELAY 0.1 SEC                    VERISW
0007F4 121E                  1022         DC    X'121E'      EPAFX0-4 = 30                    VERISW
0007F6 FD01                  1023         DC    X'FD01'      DELAY 0.1 SEC                    VERISW
0007F8 121D                  1024         DC    X'121D'      EPAFX0-4 = 29                    VERISW
0007FA FD01                  1025         DC    X'FD01'      DELAY 0.1 SEC                    VERISW
0007FC 121C                  1026         DC    X'121C'      EPAFX0-4 = 28                    VERISW
0007FE FD01                  1027         DC    X'FD01'      DELAY 0.1 SEC                    VERISW
000300 121B                  1028         DC    X'121B'      EPAFX0-4 = 27                    VERISW
000302 FD01                  1029         DC    X'FD01'      DELAY 0.1 SEC                    VERISW
000304 121A                  1030         DC    X'121A'      EPAFX0-4 = 26                    VERISW
000306 FD01                  1031         DC    X'FD01'      DELAY 0.1 SEC                    VERISW
000308 1219                  1032         DC    X'1219'      EPAFX0-4 = 25                    VERISW
00030A FD01                  1033         DC    X'FD01'      DELAY 0.1 SEC                    VERISW
00030C 1218                  1034         DC    X'1218'      EPAFX0-4 = 24                    VERISW
00030E FD01                  1035         DC    X'FD01'      DELAY 0.1 SEC                    VERISW
000310 1217                  1036         DC    X'1217'      EPAFX0-4 = 23                    VERISW
000312 FD01                  1037         DC    X'FD01'      DELAY 0.1 SEC                    VERISW
000314 1216                  1038         DC    X'1216'      EPAFX0-4 = 22                    VERISW
000316 FD01                  1039         DC    X'FD01'      DELAY 0.1 SEC                    VERISW
000318 1215                  1040         DC    X'1215'      EPAFX0-4 = 21                    VERISW
00031A FD01                  1041         DC    X'FD01'      DELAY 0.1 SEC                    VERISW
00031C 1214                  1042         DC    X'1214'      EPAFX0-4 = 20                    VERISW
00031E FD01                  1043         DC    X'FD01'      DELAY 0.1 SEC                    VERISW
000320 1213                  1044         DC    X'1213'      EPAFX0-4 = 19                    VERISW
000322 FD01                  1045         DC    X'FD01'      DELAY 0.1 SEC                    VERISW
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LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT F22NOV74 10/14/81

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000824 1212          1046        DC    X'1212'          EPAFX0-4 = 13                    VERISM
000826 FD01          1047        DC    X'FD01'          DELAY 0.1 SEC                    VERISM
000828 1211          1048        DC    X'1211'          EPAFX0-4 = 17                    VERISM
00082A FD01          1049        DC    X'FD01'          DELAY 0.1 SEC                    VERISM
00082C 1210          1050        DC    X'1210'          EPAFX0-4 = 16                    VERISM
00082E FD01          1051        DC    X'FD01'          DELAY 0.1 SEC                    VERISM
000830 120F          1052        DC    X'120F'          EPAFX0-4 = 15                    VERISM
000832 FD01          1053        DC    X'FD01'          DELAY 0.1 SEC                    VERISM
000834 120E          1054        DC    X'120E'          EPAFX0-4 = 14                    VERISM
000836 FD01          1055        DC    X'FD01'          DELAY 0.1 SEC                    VERISM
000838 120D          1056        DC    X'120D'          EPAFX0-4 =13                     VERISM
00083A FD01          1057        DC    X'FD01'          DELAY 0.1 SEC                    VERISM
00083C 120C          1058        DC    X'120C'          EPAFX0-4 = 12                    VERISM
00083E FD01          1059        DC    X'FD01'          DELAY 0.1 SEC                    VERISM
000840 120B          1060        DC    X'120B'          EPAFX0-4 = 11                    VERISM
000842 FD01          1061        DC    X'FD01'          DELAY 0.1 SEC                    VERISM
000844 120A          1062        DC    X'120A'          EPAFX0-4 = 10                    VERISM
000846 FD01          1063        DC    X'FD01'          DELAY 0.1 SEC                    VERISM
000848 1209          1064        DC    X'1209'          EPAFX0-4 = 9                     VERISM
00084A FD01          1065        DC    X'FD01'          DELAY 0.1 SEC                    VERISM
00084C 1208          1066        DC    X'1208'          EPAFX0-4 = 8                     VERISM
00084E FD01          1067        DC    X'FD01'          DELAY 0.1 SEC                    VERISM
000850 1207          1068        DC    X'1207'          EPAFX0-4 = 7                     VERISM
000852 FD01          1069        DC    X'FD01'          DELAY 0.1 SEC                    VERISM
000854 1206          1070        DC    X'1206'          EPAFX0-4 = 6                     VERISM
000856 FD01          1071        DC    X'FD01'          DELAY 0.1 SEC                    VERISM
000858 1205          1072        DC    X'1205'          EPAFX0-4 = 5                     VERISM
00085A FD01          1073        DC    X'FD01'          DELAY 0.1 SEC                    VERISM
00085C 1204          1074        DC    X'1204'          EPAFX0-4 = 4                     VERISM
00085E FD01          1075        DC    X'FD01'          DELAY 0.1 SEC                    VERISM
000860 1203          1076        DC    X'1203'          EPAFX0-4 = 3                     VERISM
000862 FD01          1077        DC    X'FD01'          DELAY 0.1 SEC                    VERISM
000864 1202          1078        DC    X'1202'          EPAFX0-4 = 2                     VERISM
000866 FD01          1079        DC    X'FD01'          DELAY 0.1 SEC                    VERISM
000868 1201          1080        DC    X'1201'          EPAFX0-4 = 1                     VERISM
00086A FD01          1081        DC    X'FD01'          DELAY 0.1 SEC                    VERISM
00086C 1200          1082        DC    X'1200'          EPAFX0-4 = 0  ENG = 32           VERISM
00086E FD01          1083        DC    X'FD01'          DELAY .1                         VERISM
000870 1400          1084        DC    X'1400'          EPAFIX = 0                       VERISM
000872 F70E          1085        DC    X'F70E'          SET PARAMETERS                   VERISM
000874 0000          1086        DC    X'0000'            CALIBRATION MODE OFF           VERISM
000876 FAFE          1087        DC    X'FAFE'        END EPICHK                         VERISM
000878 FA24          1088        DC    X'FA24'      -->START F02EBASET                   VERISM
00087A FF19          1089        DC    X'FF19'          IF F082                        VERISM
00087C F901          1090        DC    X'F901'            CALL EBASET                  VERISM
00087E FF1F          1091        DC    X'FF1F'          ENDIF                          VERISM
000880 FAFE          1092        DC    X'FAFE'      END F02EBASET                        VERISM
000882 FA25          1093        DC    X'FA25'      -->START EPVCHK                      VERISM
000884 F70E          1094        DC    X'F70E'          SET PARAMETERS                 VERISM
000886 0001          1095        DC    X'0001'            CALIBRATION MODE ON          VERISM
000888 1600          1096        DC    X'1600'          EPVION = 0                     VERISM
00088A 1801          1097        DC    X'1801'          EPVICE = 1                     VERISM
00088C 1701          1098        DC    X'1701'          EPVCAL = 1                     VERISM
00088E FD0A          1099        DC    X'FD0A'          DELAY 1.0 SEC                  VERISM
000890 1700          1100        DC    X'1700'          EPVCAL = 0                     VERISM
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LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT F22BDV74 10/14/81

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0008B2 FD0A              1101          DC    X'FD0A'          DELAY 1.0 SEC                    VERISW
0008B4 FF11              1102          DC    X'FF11'       IF VFON.EQ.1                        VERISW
0008B6 1601              1103          DC    X'1601'          EPVFON = 1                       VERISW
0008B8 1600              1104          DC    X'1600'          EPVFCG = 0                       VERISW
0008BA FD14              1105          DC    X'FD14'          DELAY 2.0 SEC                    VERISW
0008BC 1501              1106          DC    X'1501'          EPVFCG = 1                       VERISW
0008BE FD14              1107          DC    X'FD14'          DELAY 2.0 SEC                    VERISW
0008C0 9849              1108          DC    X'9849'          EPVFCG = VFMT                    VERISW
0008C2 FFFF              1109          DC    X'FFFF'       ENDIF                               VERISW
0008C4 FF12              1110          DC    X'FF12'       IF VFON.NE.1                        VERISW
0008C6 FD02              1111          DC    X'FD02'          DELAY 0.2 SEC                    VERISW
0008C8 FFFE              1112          DC    X'FFFE'       ENDIF                               VERISW
0008CA F70E              1113          DC    X'F70E'          SET PARAMETERS                   VERISW
0008CC 0000              1114          DC    X'0000'             CALIBRATION MODE OFF         VERISW
0008CE FAFC              1115          DC    X'FAFE'       END EPVCHK                          VERISW
0008D0 FA26              1116          DC    X'FA26'    -->START MTVINT                        VERISW
0008D2 0E01              1117          DC    X'0E01'          MTVPS = 1                        VERISW
0008D4 0C01              1118          DC    X'0C01'          LENCS = 1                        VERISW
0008D6 0800              1119          DC    X'0800'          VIDEOH = 0                       VERISW
0008D8 0D01              1120          DC    X'0D01'          TEST = 1                         VERISW
0008DA FD0A              1121          DC    X'FD0A'          DELAY 1.0 SEC                    VERISW
0008DC 057F              1122          DC    X'057F'          GPAZS = 0.0V                     VERISW
0008DE 06CC              1123          DC    X'06CC'          GPELS = -3.0V                    VERISW
0008E0 0D00              1124          DC    X'0D00'          TEST = 0                         VERISW
0008E2 FAFE              1125          DC    X'FAFE'       END MTVINT                          VERISW
0008E4 FA27              1126          DC    X'FA27'    -->START MTVOFF                        VERISW
0008E6 0C01              1127          DC    X'0C01'          LENCS = 1                        VERISW
0008E8 0800              1128          DC    X'0800'          VIDEOH = 0                       VERISW
0008EA 0A01              1129          DC    X'0A01'          SENSL = 1                        VERISW
0008EC 087F              1130          DC    X'087F'          SENAD = 0.0V                     VERISW
0008EE 0D01              1131          DC    X'0D01'          TEST = 1                         VERISW
0008F0 FD0A              1132          DC    X'FD0A'          DELAY 1.0 SEC                    VERISW
0008F2 0D00              1133          DC    X'0D00'          TEST = 0                         VERISW
0008F4 057F              1134          DC    X'057F'          GPAZS = 0.0V                     VERISW
0008F6 06CC              1135          DC    X'06CC'          GPELS = -3.0V                    VERISW
0008F8 F400              1136          DC    X'F400'          DELAY 118.0 SEC                  VERISW
0008FA 049C              1137          DC    X'049C'                                           VERISW
0008FC 0E00              1138          DC    X'0E00'          MTVPS = 0                        VERISW
0008FE FAFE              1139          DC    X'FAFE'       END MTVOFF                          VERISW
000900 FA28              1140          DC    X'FA28'    -->START MTVCHK                        VERISW
000902 0C01              1141          DC    X'0C01'          LENCS = 1                        VERISW
000904 0901              1142          DC    X'0901'          LENISL = 1                       VERISW
000906 0800              1143          DC    X'0800'          VIDEOH = 0                       VERISW
000908 0A01              1144          DC    X'0A01'          SENSL = 1                        VERISW
00090A 077F              1145          DC    X'077F'          LENIS = 0.0V                     VERISW
00090C 087F              1146          DC    X'087F'          SENAD = 0.0V                     VERISW
00090E 0D01              1147          DC    X'0D01'          TEST = 1                         VERISW
000910 F400              1148          DC    X'F400'          DELAY 55.0 SEC                   VERISW
000912 0226              1149          DC    X'0226'                                           VERISW
000914 0D00              1150          DC    X'0D00'          TEST = 0                         VERISW
000916 0C00              1151          DC    X'0C00'          LENCS = 0                        VERISW
000918 FAFE              1152          DC    X'FAFE'       END MTVCHK                          VERISW
00091A FA29              1153          DC    X'FA29'    -->START MOVERASE                      VERISW
00091C FF20              1154          DC    X'FF20'          IF NOT FOR2                      VERISW
00091E F901              1155          DC    X'F901'             CALL ERASE                    VERISW
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OF POOR QUALITY

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LOC  OBJECT CODE    ADDR1 ADDR2  STMT  SOURCE STATEMENT                    F4.2H0V74  10/14/81

000900 FFFE                      1156          DC    X'FFFE'          ENDII                    VER15N
000902 FAFE                      1157          DC    X'FAFE'        END TOXEBASET              VER15N
000904 FA2A                      1158          DC    X'FA2A'      -->START IOINT               VER15N
000906 587F                      1159          DC    X'587F'          FOCLN = 0.0A             VER15N
000908 5900                      1160          DC    X'5900'          DEFSWA = 0               VER15N
00090A 5A00                      1161          DC    X'5A00'          DEFSWY = 0               VER15N
00090C 5B00                      1162          DC    X'5B00'          DEFPLX = 0               VER15N
00090E 5C00                      1163          DC    X'5C00'          DEFPLY = 0               VER15N
000910 5D00                      1164          DC    X'5D00'          GPSSW = 0                VER15N
000912 5F00                      1165          DC    X'5E00'          HTRSW = 0                VER15N
000914 5F00                      1166          DC    X'5F00'          FOCSW = 0                VER15N
000916 6000                      1167          DC    X'6000'          ATDDSW = 0               VER15N
000918 617F                      1168          DC    X'617F'          DEFCNX = 0.0A            VER15N
00091A 627F                      1169          DC    X'627F'          DEFCNY = 0.0A            VER15N
00091C 637F                      1170          DC    X'637F'          HTRADJ = 0.0A            VER15N
00091E 647F                      1171          DC    X'647F'          BMCADJ = 0.0A            VER15N
000920 6500                      1172          DC    X'6500'          PTNSW1 = 0               VER15N
000922 6600                      1173          DC    X'6600'          PTNSW2 = 0               VER15N
000924 6700                      1174          DC    X'6700'          PTNSW3 = 0               VER15N
000926 6800                      1175          DC    X'6800'          PTNSW4 = 0               VER15N
000928 6900                      1176          DC    X'6900'          ATTVSW = 0               VER15N
00092A 6A00                      1177          DC    X'6A00'          ATZVSW = 0               VER15N
00092C 6B00                      1178          DC    X'6B00'          CAPUMP = 0               VER15N
00092E 6C00                      1179          DC    X'6C00'          FAVSET = 0               VER15N
000930 6D00                      1180          DC    X'6D00'          TRGSET = 0               VER15N
000932 7000                      1181          DC    X'7000'          GSHVSW = 0               VER15N
000934 7100                      1182          DC    X'7100'          GSDVSW = 0               VER15N
000936 7200                      1183          DC    X'7200'          BMCRNG = 0               VER15N
000938 7300                      1184          DC    X'7300'          MODESW = 0               VER15N
00093A 7400                      1185          DC    X'7400'          GRESET = 0               VER15N
00093C 3500                      1186          DC    X'3500'          M204-7 = 0               VER15N
00093E 3600                      1187          DC    X'3600'          CHARDM = 0               VER15N
000940 3700                      1188          DC    X'3700'          ESMPLS = 0               VER15N
000942 3800                      1189          DC    X'3800'          EPROM0-2 = 0             VER15N
000944 3900                      1190          DC    X'3900'          NSMPLS = 0               VER15N
000946 3A00                      1191          DC    X'3A00'          MMARDM = 0               VER15N
000948 3B00                      1192          DC    X'3B00'          ENPEN = 0, ENFAV = 0, ENTRG = 0  VER15N
00094A 3C00                      1193          DC    X'3C00'          DEP1HZ=0                 VER15N
00094C 3D01                      1194          DC    X'3D01'          ENDMC = 1                VER15N
00094E 3E00                      1195          DC    X'3E00'          M100-7 = 0               VER15N
000950 3F00                      1196          DC    X'3F00'          1109-11 = 0              VER15N
000952 4000                      1197          DC    X'4000'          M200-3 = 0               VER15N
000954 4100                      1198          DC    X'4100'          BMPSW = 0                VER15N
000956 4200                      1199          DC    X'4200'          PTNCSW = 0               VER15N
000958 4300                      1200          DC    X'4300'          FAVCSW = 0               VER15N
00095A 4400                      1201          DC    X'4400'          TRGCSW = 0               VER15N
00095C 4500                      1202          DC    X'4500'          CHGDM1 = 0               VER15N
00095E 4600                      1203          DC    X'4600'          CHGDM2 = 0               VER15N
000960 4700                      1204          DC    X'4700'          CHGCK1 = 0               VER15N
000962 4800                      1205          DC    X'4800'          CHGCK2 = 0               VER15N
000964 4A00                      1206          DC    X'4A00'          PTNTST = 0               VER15N
000966 4B00                      1207          DC    X'4B00'          CHGSW1 = 0               VER15N
000968 4C00                      1208          DC    X'4C00'          CHGSW2 = 0               VER15N
00096A 7D00                      1209          DC    X'7D00'          CHASET = 0               VER15N
00096C 7E00                      1210          DC    X'7E00'          PPUSET = 0               VER15N
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LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT		F22NOV78	10/14/81
00096E	7700			1211	DC	X'7700'	HSPSET = 0	VERISM
009970	4EC0			1212	DC	X'4EC0'	HPDLY = 0	VERISM
009972	4F7F			1213	DC	X'4F7F'	B4VADJ = 0.0V	VERISM
009974	5000			1214	DC	X'5000'	HVCSW1 = 0	VERISM
009976	5100			1215	DC	X'5100'	HVCSW2 = 0	VERISM
009978	5200			1216	DC	X'5200'	HVCSW3 = 0	VERISM
00997A	5300			1217	DC	X'5300'	HVCSW4 = 0	VERISM
00997C	5400			1218	DC	X'5400'	HVCSW5 = 0	VERISM
00997E	5500			1219	DC	X'5500'	HVCSW6 = 0	VERISM
009980	5600			1220	DC	X'5600'	BATDSW = 0	VERISM
009982	5700			1221	DC	X'5700'	HRESET = 0	VERISM
009984	1200			1222	DC	X'1200'	EPAFXD-4 = 0	VERISM
009986	1300			1223	DC	X'1300'	EPAHVC = 0	VERISM
009988	1401			1224	DC	X'1401'	EPAFIX = 1	VERISM
00998A	1501			1225	DC	X'1501'	EPACAL = 1	VERISM
00998C	1600			1226	DC	X'1600'	EPVFDN = 0	VERISM
00998E	1700			1227	DC	X'1700'	EPVCAL = 0	VERISM
009990	1800			1228	DC	X'1800'	EPVFCG = 0	VERISM
009992	1900			1229	DC	X'1900'	ENILV = 0	VERISM
009994	1A00			1230	DC	X'1A00'	LPCAL = 0	VERISM
009996	1B00			1231	DC	X'1B00'	LPSW = 0	VERISM
009998	1C00			1232	DC	X'1C00'	LPFIXD=1 = 0	VERISM
00999A	1D00			1233	DC	X'1D00'	PWHFD-7 = 0	VERISM
00999C	1E00			1234	DC	X'1E00'	PWHFB=10 = 0	VERISM
00999E	1F00			1235	DC	X'1F00'	PWHDS = 0	VERISM
0099A0	2000			1236	DC	X'2000'	PWHCAL = 0	VERISM
0099A2	2100			1237	DC	X'2100'	PWHGN = 0	VERISM
0099A4	2400			1238	DC	X'2400'	PWLFD=7 = 0	VERISM
0099A6	2500			1239	DC	X'2500'	PWLCAL = 0	VERISM
0099A8	2600			1240	DC	X'2600'	PWLGN = 0	VERISM
0099AA	2700			1241	DC	X'2700'	DPEPEC = 0	VERISM
0099AC	2800			1242	DC	X'2800'	DPEPVC = 0	VERISM
0099AE	2900			1243	DC	X'2900'	DGPSPC=0	VERISM
0099B0	2A00			1244	DC	X'2A00'	FPCAL = 0	VERISM
0099B2	2B00			1245	DC	X'2B00'	HSAVSW = 0	VERISM
0099B4	2D1F			1246	DC	X'2D1F'	PHDAGD=4 = 31	VERISM
0099B6	2E03			1247	DC	X'2E03'	PHRLC3-1 = 3	VERISM
0099B8	2F00			1248	DC	X'2F00'	PHIRCD-3 = 0	VERISM
0099BA	3000			1249	DC	X'3000'	PHOCLC = 0	VERISM
0099BC	3100			1250	DC	X'3100'	DPPSC = 0	VERISM
0099BE	3200			1251	DC	X'3200'	DPPHDC = 0	VERISM
0099C0	3300			1252	DC	X'3300'	DPPLPC = 0	VERISM
0099C2	3400			1253	DC	X'3400'	DPPSPC = 0	VERISM
0099C4	0000			1254	DC	X'0000'	EPGD-5 = 0	VERISM
0099C6	0100			1255	DC	X'0100'	EDID-2 = 0	VERISM
0099C8	0200			1256	DC	X'0200'	EDD-3 = 0	VERISM
0099CA	0300			1257	DC	X'0300'	HPID-3 = 0	VERISM
0099CC	057F			1258	DC	X'057F'	BPAZS = 0.0V	VERISM
0099CE	06CC			1259	DC	X'06CC'	SPPLS = -3.0V	VERISM
0099D0	077F			1260	DC	X'077F'	LTDIS = 0.0V	VERISM
0099D2	087F			1261	DC	X'087F'	SCHAD = 0.0V	VERISM
0099D4	0901			1262	DC	X'0901'	LBTTSE = 1	VERISM
0099D6	0A01			1263	DC	X'0A01'	SBTSL = 1	VERISM
0099D8	0B00			1264	DC	X'0B00'	VIDLPF = 0	VERISM
0099DA	0C01			1265	DC	X'0C01'	LBMCS = 1	VERISM

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT 12/NOV/81 10/14/81

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0009DC 0000                1266          DC    X'0000'          TEST = 0                    VERISW
0009DE 0E00                1267          DC    X'0E00'          NTVPS = 0                   VERISW
0009E0 0F00                1268          DC    X'0F00'          N800-2 = 0                  VERISW
0009E2 1000                1269          DC    X'1000'          N50-3 = 0                   VERISW
0009E4 1100                1270          DC    X'1100'          NPS800-2 = 0                VERISW
0009E6 FAFE                1271          DC    X'FAFE'        END JOINT                     VERISW
0009E8 FA20                1272          DC    X'FA20'      -->START AEPI#                  VERISW
0009EA F99A                1273          DC    X'F99A'        CALL AEPISY                   VERISW
0009EC FD96                1274          DC    X'FD96'        DELAY 15.0                    VERISW
0009EE F99A                1275          DC    X'F99A'        CALL AEPISY                   VERISW
0009F0 FD96                1276          DC    X'FD96'        DELAY 15.0                    VERISW
0009F2 F99A                1277          DC    X'F99A'        CALL AEPISY                   VERISW
0009F4 FD96                1278          DC    X'FD96'        DELAY 15.0                    VERISW
0009F6 F99A                1279          DC    X'F99A'        CALL AEPISY                   VERISW
0009F8 FD96                1280          DC    X'FD96'        DELAY 15.0                    VERISW
0009FA F99A                1281          DC    X'F99A'        CALL AEPISY                   VERISW
0009FC FD96                1282          DC    X'FD96'        DELAY 15.0                    VERISW
0009FE F99A                1283          DC    X'F99A'        CALL AEPISY                   VERISW
000A00 FD96                1284          DC    X'FD96'        DELAY 15.0                    VERISW
000A02 F99A                1285          DC    X'F99A'        CALL AEPISY                   VERISW
000A04 FD96                1286          DC    X'FD96'        DELAY 15.0                    VERISW
000A06 F99A                1287          DC    X'F99A'        CALL AEPISY                   VERISW
000A08 FD96                1288          DC    X'FD96'        DELAY 15.0                    VERISW
000A0A F99A                1289          DC    X'F99A'        CALL AEPISY                   VERISW
000A0C FAFE                1290          DC    X'FAFE'      END                             VERISW
000A0E FA2C                1291          DC    X'FA2C'      -->START EBADN1                 VERISW
000A10 3001                1292          DC    X'3001'        ENDMC = 1                     VERISW
000A12 4100                1293          DC    X'4100'        DMPSW = 0                     VERISW
000A14 FD03                1294          DC    X'FD03'        DELAY 0.3 SEC                 VERISW
000A16 5600                1295          DC    X'5600'        BATOSW = 0                    VERISW
000A18 FD03                1296          DC    X'FD03'        DELAY 0.3 SEC                 VERISW
000A1A 6400                1297          DC    X'6400'        BMCADJ = 1.0A                 VERISW
000A1C 7500                1298          DC    X'7500'        EBASFT = 0                    VERISW
000A1E 3600                1299          DC    X'3600'        PHARDW = 0                    VERISW
000A20 3701                1300          DC    X'3701'        ESMPLS = 1                    VERISW
000A22 FD0A                1301          DC    X'FD0A'        DELAY 1.0 SEC                 VERISW
000A24 3700                1302          DC    X'3700'        ESMPLS = 0                    VERISW
000A26 647F                1303          DC    X'647F'        BMCADJ = 0.0A                 VERISW
000A28 5F00                1304          DC    X'5F00'        FDCSW = 0                     VERISW
000A2A 5900                1305          DC    X'5900'        DFTSWX = 0                    VERISW
000A2C 5A00                1306          DC    X'5A00'        DFTSWY = 0                    VERISW
000A2E 5000                1307          DC    X'5000'        HVCSW1 = 0                    VERISW
000A30 FD03                1308          DC    X'FD03'        DELAY 0.3 SEC                 VERISW
000A32 5100                1309          DC    X'5100'        HVCSW2 = 0                    VERISW
000A34 FD03                1310          DC    X'FD03'        DELAY 0.3 SEC                 VERISW
000A36 5200                1311          DC    X'5200'        HVCSW3 = 0                    VERISW
000A38 FD03                1312          DC    X'FD03'        DELAY 0.3 SEC                 VERISW
000A3A 5300                1313          DC    X'5300'        HVCSW4 = 0                    VERISW
000A3C FD03                1314          DC    X'FD03'        DELAY 0.3 SEC                 VERISW
000A3E 5400                1315          DC    X'5400'        HVCSW5 = 0                    VERISW
000A40 FD03                1316          DC    X'FD03'        DELAY 0.3 SEC                 VERISW
000A42 5500                1317          DC    X'5500'        HVCSW6 = 0                    VERISW
000A44 FD03                1318          DC    X'FD03'        DELAY 0.3 SEC                 VERISW
000A46 4F7F                1319          DC    X'4F7F'        PTVADJ = 0.0KV                VERISW
000A48 647F                1320          DC    X'647F'        PTCADJ = 0.0A                 VERISW
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LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT F22NOV74 10/14/81

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000A4A 597F                1321          DC    X'597F'          FOCON = 0.0A                    VERISW
000A4C 617F                1322          DC    X'617F'          DEFCNX = 0.0A                   VERISW
000A4E 627F                1323          DC    X'627F'          DEFCNY = 0.0A                   VERISW
000A50 7300                1324          DC    X'7300'          MODFSW = 0                      VERISW
000A52 FD03                1325          DC    X'FD03'          DELAY 0.3 SEC                   VERISW
000A54 FAFC                1326          DC    X'FAFC'        END EBADR1                        VERISW
000A56 FA2D                1327          DC    X'FA2D'      -->START EBADW2                     VERISW
000A58 FD10                1328          DC    X'FD10'          DELAY 1.6                       VERISW
000A5A 60C0                1329          DC    X'60C0'          ANDDSW = 0                      VERISW
000A5C FAFE                1330          DC    X'FAFE'        END EBADW2                        VERISW
000A5E FA2E                1331          DC    X'FA2E'      -->START HIVOF1                     VERISW
000A60 0C01                1332          DC    X'0C01'          LENCS = 1                       VERISW
000A62 854F                1333          DC    X'854F'          GPAZS = PCF(79)                 VERISW
000A64 8650                1334          DC    X'8650'          GPELS = PCF(80)                 VERISW
000A66 FAFE                1335          DC    X'FAFE'        END HIVOF1                        VERISW
000A68 FA2F                1336          DC    X'FA2F'      -->START EBAST1                     VERISW
000A6A DF24                1337          DC    X'DF24'          FOCSW=FOCONF                    VERISW
000A6C 0925                1338          DC    X'0925'          DEFSWX=DFXONF                   VERISW
000A6E DA26                1339          DC    X'DA26'          DEFSWY=DFYONF                   VERISW
000A70 0027                1340          DC    X'0027'          HVCSW1=SW1FLG                   VERISW
000A72 FD03                1341          DC    X'FD03'          DELAY 0.3 SEC                   VERISW
000A74 0128                1342          DC    X'0128'          HVCSW2=SW2FLG                   VERISW
000A76 FD03                1343          DC    X'FD03'          DELAY 0.3 SEC                   VERISW
000A78 0229                1344          DC    X'0229'          HVCSW3=SW3FLG                   VERISW
000A7A FD03                1345          DC    X'FD03'          DELAY 0.3 SEC                   VERISW
000A7C 032A                1346          DC    X'032A'          HVCSW4=SW4FLG                   VERISW
000A7E FD03                1347          DC    X'FD03'          DELAY 0.3 SEC                   VERISW
000A80 042B                1348          DC    X'042B'          HVCSW5=SW5FLG                   VERISW
000A82 FD03                1349          DC    X'FD03'          DELAY 0.3 SEC                   VERISW
000A84 052C                1350          DC    X'052C'          HVCSW6=SW6FLG                   VERISW
000A86 FD03                1351          DC    X'FD03'          DELAY 0.3 SEC                   VERISW
000A88 FC00                1352          DC    X'FC00'        >CALL CALC TO CALCULATE L         VERISW
000A8A FC01                1353          DC    X'FC01'        >CALL CALC TO CALCULATE VBMAX     VERISW
000A8C FC02                1354          DC    X'FC02'        >CALL CALC TO CALCULATE IBHRCX    VERISW
000A8E 5701                1355          DC    X'5701'          HRESET=1                        VERISW
000A90 7401                1356          DC    X'7401'          GRESET=1                        VERISW
000A92 FD01                1357          DC    X'FD01'          DELAY .1                        VERISW
000A94 5700                1358          DC    X'5700'          HRESET=0                        VERISW
000A96 7400                1359          DC    X'7400'          GRESET=0                        VERISW
000A98 FD01                1360          DC    X'FD01'          DELAY .1                        VERISW
000A9A FF00                1361          DC    X'FF00'          IF CNT.EQ.0                     VERISW
000A9C 5601                1362          DC    X'5601'            DATDSW=1                      VERISW
000A9E FDC4                1363          DC    X'FDC4'            DELAY 0.4                     VERISW
000AA0 3001                1364          DC    X'3001'            ENBMC=1                       VERISW
000AA2 4101                1365          DC    X'4101'            BMFSW=1                       VERISW
000AA4 FFFE                1366          DC    X'FFFE'          ENDIF                           VERISW
000AA6 FF01                1367          DC    X'FF01'          IF CNT.NE.0                     VERISW
000AA8 7301                1368          DC    X'7301'            MODFSW=1                      VERISW
000AAA FD03                1369          DC    X'FD03'            DELAY 0.3 SEC               VERISW
000AAC 5601                1370          DC    X'5601'            DATDSW=1                    VERISW
000AAE FD01                1371          DC    X'FD01'            DELAY 0.1 SEC               VERISW
000AB0 3000                1372          DC    X'3000'            ENBMC=0                     VERISW
000AB2 FFFE                1373          DC    X'FFFE'          ENDIF                         VERISW
000AB4 FAFC                1374          DC    X'FAFC'        END EBAST1                      VERISW
000AB6 FA30                1375          DC    X'FA30'      -->START EBAFIR                   VERISW
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LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT F22NOV74 10/34/31

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000AB8 FF15          1376        DC    X'FF15'      IF VD>VDMAX                    VERISW
000ABA FC0D          1377        DC    X'FC0D'         CALC: VD=VDMAX              VERISW
000ABC FFFE          1378        DC    X'FFFE'      ENDIF                          VERISW
000ABE FF16          1379        DC    X'FF16'      IF ID>IDMAX                    VERISW
000AC0 FC0E          1380        DC    X'FC0E'         CALC: ID=IDMAX              VERISW
000AC2 FFFF          1381        DC    X'FFFF'      ENDIF                          VERISW
000AC4 FF17          1382        DC    X'FF17'      IF CNT=1                       VERISW
000AC6 FC13          1383        DC    X'FC13'         CALC: ID=.078*VD**3/2       VERISW
000AC8 FFFE          1384        DC    X'FFFE'      ENDIF                          VERISW
000ACA 3600          1385        DC    X'3600'      EBWIDM=0                       VERISW
000ACC FF18          1386        DC    X'FF18'      IF PWIDTH < 10.0               VERISW
000ACE 3601          1387        DC    X'3601'         EBWIDM=1                    VERISW
000AD0 FFFE          1388        DC    X'FFFE'      ENDIF                          VERISW
000AD2 F905          1389        DC    X'F905'      CALL EBADNV                    VERISW
000AD4 F904          1390        DC    X'F904'      CALL EBADMI                    VERISW
000AD6 F906          1391        DC    X'F906'      CALL EBAFCS                    VERISW
000AD8 F8C7          1392        DC    X'F8C7'      CALL EBADEF                    VERISW
000ADA FC16          1393        DC    X'FC16'      CALC: EPWREPWM                 VERISW
000ADC 804C          1394        DC    X'804C'      EPWD-3=                        VERISW
000ADE 8040          1395        DC    X'8040'      EPWWD-2=                       VERISW
000AE0 FF18          1396        DC    X'FF18'      IF PWIDTH < 10.0               VERISW
000AE2 821A          1397        DC    X'821A'         EDD-3=TADEM                 VERISW
000AE4 0102          1398        DC    X'0102'         EDMG-2=2                    VERISW
000AE6 7501          1399        DC    X'7501'         EBASET=1                    VERISW
000AE8 FFFE          1400        DC    X'FFFE'      ENDIF                          VERISW
000AEA FF1A          1401        DC    X'FF1A'      IF PWIDTH >= 10.0              VERISW
000AEC FC19          1402        DC    X'FC19'         CALC: COMPUTE DELAY T       VERISW
000AEE 3701          1403        DC    X'3701'         ESMPLS=1                    VERISW
000AF0 F905          1404        DC    X'F905'         DELAY T ACAL(5)             VERISW
000AF2 3700          1405        DC    X'3700'         ESMPLS=0                    VERISW
000AF4 FFFE          1406        DC    X'FFFE'      ENDIF                          VERISW
000AF6 FAFE          1407        DC    X'FAFE'   END                               VERISW
000AF8 FA31          1408        DC    X'FA31'   -->START MTVISU                   VERISW
000AFA 057F          1409        DC    X'057F'      GPAZS = 0.0V 180 DEG           VERISW
000AFC 06CC          1410        DC    X'06CC'      GPELS = -3.0V 90 DEG           VERISW
000AFE 0800          1411        DC    X'0800'      VIDEOH=0                       VERISW
000B00 0A01          1412        DC    X'0A01'      SEASL=1                        VERISW
000B02 037F          1413        DC    X'037F'      SLV=0                          VERISW
000B04 0901          1414        DC    X'0901'      LENISL=1                       VERISW
000B06 077F          1415        DC    X'077F'      ILV=0                          VERISW
000B08 FD32          1416        DC    X'FD32'      DELAY 5.0                      VERISW
000B0A 0801          1417        DC    X'0801'      VIDEOH=1                       VERISW
000B0C FD32          1418        DC    X'FD32'      DELAY 5.0                      VERISW
000B0E 0800          1419        DC    X'0800'      VIDEOH=0                       VERISW
000B10 0755          1420        DC    X'0755'      ILV=5                          VERISW
000B12 FD32          1421        DC    X'FD32'      DELAY 5.0                      VERISW
000B14 0801          1422        DC    X'0801'      VIDEOH=1                       VERISW
000B16 FD32          1423        DC    X'FD32'      DELAY 5.0                      VERISW
000B18 0800          1424        DC    X'0800'      VIDEOH=0                       VERISW
000B1A 072A          1425        DC    X'072A'      ILV=10                         VERISW
000B1C FD32          1426        DC    X'FD32'      DELAY 5.0                      VERISW
000B1E 0801          1427        DC    X'0801'      VIDEOH=1                       VERISW
000B20 FD32          1428        DC    X'FD32'      DELAY 5.0                      VERISW
000B22 0800          1429        DC    X'0800'      VIDEOH=0                       VERISW
000B24 0700          1430        DC    X'0700'      ILV=15                         VERISW
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LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT F22NOV79 10/14/81

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000B26 FD32          1431          DC    X'FD32'          DELAY 5.0                VERIS4
000B28 0801          1432          DC    X'0801'          VIDEOH=1                 VERIS4
000B2A FD32          1433          DC    X'FD32'          DELAY 5.0                VERIS4
000B2C 0800          1434          DC    X'0800'          VIDEOH=0                 VERIS4
000B2E 0836          1435          DC    X'0836'          SLV=4                    VERIS4
000B30 C7FF          1436          DC    X'C7FF'          ILS=0                    VERIS4
000B32 FD32          1437          DC    X'FD32'          DELAY 5.0                VERIS4
000B34 0801          1438          DC    X'0801'          VIDEOH=1                 VERIS4
000B36 FD32          1439          DC    X'FD32'          DELAY 5.0                VERIS4
000B38 0800          1440          DC    X'0800'          VIDEOH=0                 VERIS4
000B3A 0755          1441          DC    X'0755'          ILV=5                    VERIS4
000B3C FD32          1442          DC    X'FD32'          DELAY 5.0                VERIS4
000B3E 0801          1443          DC    X'0801'          VIDEOH=1                 VERIS4
000B40 FD32          1444          DC    X'FD32'          DELAY 5.0                VERIS4
000B42 0800          1445          DC    X'0800'          VIDEOH=0                 VERIS4
000B44 C72A          1446          DC    X'C72A'          ILV=10                   VERIS4
000B46 FD32          1447          DC    X'FD32'          DELAY 5.0                VERIS4
000B48 0801          1448          DC    X'0801'          VIDEOH=1                 VERIS4
000B4A FD32          1449          DC    X'FD32'          DELAY 5.0                VERIS4
000B4C 0800          1450          DC    X'0800'          VIDEOH=0                 VERIS4
000B4E 0700          1451          DC    X'0700'          ILV=15                   VERIS4
000B50 FD32          1452          DC    X'FD32'          DELAY 5.0                VERIS4
000B52 0801          1453          DC    X'0801'          VIDEOH=1                 VERIS4
000B54 FAFE          1454          DC    X'FAFE'          END                      VERIS4
000B56 FA32          1455          DC    X'FA32'          -->START RTVMS1          VERIS4
000B58 0801          1456          DC    X'0801'          VIDEOH=1                 VERIS4
000B5A 0A01          1457          DC    X'0A01'          SENSL=1                  VERIS4
000B5C 0800          1458          DC    X'0800'          SLV=7                    VERIS4
000B5E 0901          1459          DC    X'0901'          LEMISL=1                 VERIS4
000B60 0711          1460          DC    X'0711'          ILV=13                   VERIS4
000B62 FAFE          1461          DC    X'FAFE'          END RTVMS1               VERIS4
000B64 FA33          1462          DC    X'FA33'          -->START RTVMS2          VERIS4
000B66 0801          1463          DC    X'0801'          VIDEOH=1                 VERIS4
000B68 0A01          1464          DC    X'0A01'          SENSL=1                  VERIS4
000B6A 0800          1465          DC    X'0800'          SLV=7                    VERIS4
000B6C 0900          1466          DC    X'0900'          LEMISL=0                 VERIS4
000B6E FAFE          1467          DC    X'FAFE'          END                      VERIS4
000B70 FA34          1468          DC    X'FA34'          -->START RTVMS3          VERIS4
000B72 0800          1469          DC    X'0800'          VIDEOH=0                 VERIS4
000B74 0A01          1470          DC    X'0A01'          SENSL=1                  VERIS4
000B76 0849          1471          DC    X'0849'          SLV=3                    VERIS4
000B78 0901          1472          DC    X'0901'          LEMISL=1                 VERIS4
000B7A 0766          1473          DC    X'0766'          ILV=6                    VERIS4
000B7C FAFE          1474          DC    X'FAFE'          END                      VERIS4
000B7E FA35          1475          DC    X'FA35'          -->START RTVMS4          VERIS4
000B80 0800          1476          DC    X'0800'          VIDEOH=0                 VERIS4
000B82 0A01          1477          DC    X'0A01'          SENSL=1                  VERIS4
000B84 0849          1478          DC    X'0849'          SLV=3                    VERIS4
000B86 0901          1479          DC    X'0901'          LEMISL=1                 VERIS4
000B88 0755          1480          DC    X'0755'          ILV=5                    VERIS4
000B8A FAFE          1481          DC    X'FAFE'          END                      VERIS4
000B8C FA36          1482          DC    X'FA36'          -->START RTVMS5          VERIS4
000B8E 0824          1483          DC    X'0824'          SLV=5.0V                 VERIS4
000B90 FAFE          1484          DC    X'FAFE'          ENT RTVMS5               VERIS4
000B92 FA37          1485          DC    X'FA37'          -->START RTVPAS          VERIS4
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000B94 057F          1486        DC    X'057F'          GPAZS = 0.0V  180 DEG          VERISW
000B96 0633          1487        DC    X'0633'          GPELS = 3.0V    0 DEG          VERISW
000B98 FAFE          1488        DC    X'FAFE'       END                               VERISW
000B9A FA3B          1489        DC    X'FA3B'    -->START MTVEB1                      VERISW
000B9C 055A          1490        DC    X'055A'          GPAZS = 2.72V 229 DEG          VERISW
000B9E 0605          1491        DC    X'0605'          GPELS =-3.33V  95 DEG          VERISW
000BA0 FAFE          1492        DC    X'FAFE'       END                               VERISW
000BA2 FA3B          1493        DC    X'FA3B'    -->START MTVMP1                      VERISW
000BA4 0583          1494        DC    X'0583'          GPAZS =-2.00V 144 DEG          VERISW
000BA6 06AC          1495        DC    X'06AC'          GPELS =-1.73V  71 DEG          VERISW
000BA8 FAFE          1496        DC    X'FAFE'       END                               VERISW
000BAA FA3A          1497        DC    X'FA3A'    -->START MTVMP2                      VERISW
000BAC 0583          1498        DC    X'0583'          GPAZS =-2.00V 144 DEG          VERISW
000BAE 0633          1499        DC    X'0633'          GPELS = 3.0V    0 DEG          VERISW
000BB0 FAFE          1500        DC    X'FAFE'       END                               VERISW
000BB2 FA3B          1501        DC    X'FA3B'    -->START MTVDGP                      VERISW
000BB4 0566          1502        DC    X'0566'          GPAZS = 1.00V 198 DEG          VERISW
000BB6 06E4          1503        DC    X'06E4'          GPELS =-3.93V 104 DEG          VERISW
000BB8 FAFE          1504        DC    X'FAFE'       END MTVDGP                        VERISW
000BBA FA3C          1505        DC    X'FA3C'    -->START MTVEB2                      VERISW
000BBC FC15          1506        DC    X'FC15'          CALL: MTV TINCLINING           VERISW
000BBE 8540          1507        DC    X'8540'          GPAZS = PCF(77)                VERISW
000BC0 864E          1508        DC    X'864E'          GPELS = PCF(78)                VERISW
000BC2 FAFE          1509        DC    X'FAFE'       END MTVEB2                        VERISW
000BC4 FA3D          1510        DC    X'FA3D'    -->START DGPIS1                      VERISW
000BC6 2E02          1511        DC    X'2E02'          PROFL = 2                      VERISW
000BC8 2F0F          1512        DC    X'2F0F'          PRDIR = 15                     VERISW
000BCA 2DDA          1513        DC    X'2DDA'          PRDAG = 10                     VERISW
000BCC 1B01          1514        DC    X'1B01'          PLLSWP= 1                      VERISW
000BCE 2100          1515        DC    X'2100'          PWHGN = 0                      VERISW
000BD0 1DF0          1516        DC    X'1DF0'          PWHF  = 2045                   VERISW
000BD2 1E07          1517        DC    X'1E07'          PWHF  = 2045                   VERISW
000BD4 1F00          1518        DC    X'1F00'          PWHBS = 0                      VERISW
000BD6 2600          1519        DC    X'2600'          PWLGN = 0                      VERISW
000BD8 24FE          1520        DC    X'24FE'          PWLF  = 254                    VERISW
000BDA 1400          1521        DC    X'1400'          EPEFIX= 0                      VERISW
000BDC FD0A          1522        DC    X'FD0A'          DELAY 1 SECS                   VERISW
000BDE 1DFE          1523        DC    X'1DFE'          PWHF  = 2046                   VERISW
000BE0 1E07          1524        DC    X'1E07'          PWHF  = 2046                   VERISW
000BE2 24FF          1525        DC    X'24FF'          PWLF  = 255                    VERISW
000BE4 FD0C          1526        DC    X'FD0C'          DELAY 14 SECS                  VERISW
000BE6 2E01          1527        DC    X'2E01'          PROFL = 1                      VERISW
000BE8 2101          1528        DC    X'2101'          PRHGN = 1                      VERISW
000BEA FD64          1529        DC    X'FD64'          DELAY 10 SECS                  VERISW
000BEC 2E00          1530        DC    X'2E00'          PROFL = 0                      VERISW
000BEE FD32          1531        DC    X'FD32'          DELAY 5 SECS                   VERISW
000BF0 2D0F          1532        DC    X'2D0F'          PRDAG = 15                     VERISW
000BF2 2601          1533        DC    X'2601'          PRLGN = 1                      VERISW
000BF4 FD96          1534        DC    X'FD96'          DELAY 15 SECS                  VERISW
000BF6 2E01          1535        DC    X'2E01'          PROFL = 1                      VERISW
000BF8 2100          1536        DC    X'2100'          PRHGN = 0                      VERISW
000BFA FD64          1537        DC    X'FD64'          DELAY 10 SECS                  VERISW
000BFC 2E02          1538        DC    X'2E02'          PROFL = 2                      VERISW
000BFE FAFE          1539        DC    X'FAFE'       END DGPIS1                        VERISW
000C00 FA3E          1540        DC    X'FA3E'    -->START DGPIS2                      VERISW
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000C02 2D14                 1541        DC    X'2D14'          PHDAG = 20                    VER15N
000C04 1DFF                 1542        DC    X'1DFF'          PWHF  = 2047                  VER15N
000C06 1DE7                 1543        DC    X'1DE7'          PWLF  = 2047                  VER15N
000C08 2600                 1544        DC    X'2600'          PWLGN = 0                     VER15N
000C0A FD96                 1545        DC    X'FD96'          DELAY 15 SECS                 VER15N
000C0C 2E01                 1546        DC    X'2E01'          PHDFL = 1                     VER15N
000C0E 2101                 1547        DC    X'2101'          PWHGN = 1                     VER15N
000C10 FD64                 1548        DC    X'FD64'          DELAY 10 SECS                 VER15N
000C12 2E00                 1549        DC    X'2E00'          PHDFL = 0                     VER15N
000C14 FD32                 1550        DC    X'FD32'          DELAY 5 SECS                  VER15N
000C16 2D0F                 1551        DC    X'2D0F'          PHDAG = 15                    VER15N
000C18 2601                 1552        DC    X'2601'          PWLGN = 1                     VER15N
000C1A FD96                 1553        DC    X'FD96'          DELAY 15 SECS                 VER15N
000C1C 2E01                 1554        DC    X'2E01'          PHDFL = 1                     VER15N
000C1E 2100                 1555        DC    X'2100'          PWHGN = 0                     VER15N
000C20 FD64                 1556        DC    X'FD64'          DELAY 10 SECS                 VER15N
000C22 2E02                 1557        DC    X'2E02'          PHDFL = 2                     VER15N
000C24 FAFE                 1558        DC    X'FAFE'        END DGPIS2                      VER15N
000C26 FA3F                 1559        DC    X'FA3F'      -->START DGPIS3                   VER15N
000C28 1F01                 1560        DC    X'1F01'          PWHBS = 1                     VER15N
000C2A 2600                 1561        DC    X'2600'          PWLGN = 0                     VER15N
000C2C FD96                 1562        DC    X'FD96'          DELAY 15 SECS                 VER15N
000C2E 2101                 1563        DC    X'2101'          PWHGN = 1                     VER15N
000C30 FD96                 1564        DC    X'FD96'          DELAY 15 SECS                 VER15N
000C32 2601                 1565        DC    X'2601'          PWLGN = 1                     VER15N
000C34 FD96                 1566        DC    X'FD96'          DELAY 15 SECS                 VER15N
000C36 2100                 1567        DC    X'2100'          PWHGN = 0                     VER15N
000C38 FAFE                 1568        DC    X'FAFE'        END DGPIS3                      VER15N
000C3A FA40                 1569        DC    X'FA40'      -->START DGA1A (FD#05 A-1A)       VER15N
000C3C F88A                 1570        DC    X'F88A'          CALL DGPFD5A                  VER15N
000C3E FDC8                 1571        DC    X'FDC8'          DELAY 20 SECS                 VER15N
000C40 2E01                 1572        DC    X'2E01'          PHDFL = 1                     VER15N
000C42 FD96                 1573        DC    X'FD96'          DELAY 15 SECS                 VER15N
000C44 2E02                 1574        DC    X'2E02'          PHDFL = 2                     VER15N
000C46 FDFA                 1575        DC    X'FDFA'          DELAY 25 SECS                 VER15N
000C48 1F01                 1576        DC    X'1F01'          PWHBS = 1                     VER15N
000C4A F400                 1577        DC    X'F400'          DELAY 60 SECS                 VER15N
000C4C 0258                 1578        DC    X'0258'                                        VER15N
000C4E 1F00                 1579        DC    X'1F00'          PWHBS = 0                     VER15N
000C50 F400                 1580        DC    X'F400'          DELAY 60 SECS                 VER15N
000C52 0258                 1581        DC    X'0258'                                        VER15N
000C54 1F01                 1582        DC    X'1F01'          PWHBS = 1                     VER15N
000C56 FD32                 1583        DC    X'FD32'          DELAY 5 SECS                  VER15N
000C58 2E01                 1584        DC    X'2E01'          PHDFL = 1                     VER15N
000C5A F400                 1585        DC    X'F400'          DELAY 55 SECS                 VER15N
000C5C 0226                 1586        DC    X'0226'                                        VER15N
000C5E 1F00                 1587        DC    X'1F00'          PWHBS = 0                     VER15N
000C60 FD32                 1588        DC    X'FD32'          DELAY 5 SECS                  VER15N
000C62 2E00                 1589        DC    X'2E00'          PHDFL = 0                     VER15N
000C64 FAFE                 1590        DC    X'FAFE'        END DGA1A                       VER15N
000C66 FA41                 1591        DC    X'FA41'      -->START DGA1B (FD#05 A-1B)       VER15N
000C68 F88B                 1592        DC    X'F88B'          CALL DGPFD5B                  VER15N
000C6A F400                 1593        DC    X'F400'          DELAY 30 SECS                 VER15N
000C6C 012C                 1594        DC    X'012C'                                        VER15N
000C6E 2E01                 1595        DC    X'2E01'          PHDFL = 1                     VER15N
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000C70 1C01                    1596          DC    X'1C01'          PLLB  = 1                    VERISH
000C72 1DE3                    1597          DC    X'1DE3'          PWHF  = 227                  VERISH
000C74 1CE3                    1598          DC    X'1CE3'          PWHI  = 227                  VERISH
000C76 1F01                    1599          DC    X'1F01'          PWHBS = 1                    VERISH
000C78 241C                    1600          DC    X'241C'          PWLF  = 28                   VERISH
000C7A F400                    1601          DC    X'F400'          DELAY 30 SECS                VERISH
000C7C 012C                    1602          DC    X'012C'                                       VERISH
000C7E 2E02                    1603          DC    X'2E02'          PHDFL = 2                    VERISH
000C80 1C02                    1604          DC    X'1C02'          PLLB  = 2                    VERISH
000C82 1DC6                    1605          DC    X'1DC6'          PWHF  = 454                  VERISH
000C84 1E01                    1606          DC    X'1E01'          PWHI  = 454                  VERISH
000C86 1F00                    1607          DC    X'1F00'          PWHBS = 0                    VERISH
000C88 2438                    1608          DC    X'2438'          PWLF  = 56                   VERISH
000C8A F400                    1609          DC    X'F400'          DELAY 30 SECS                VERISH
000C8C 012C                    1610          DC    X'012C'                                       VERISH
000C8E 2E0A                    1611          DC    X'2E0A'          PHDIR = 10                   VERISH
000C90 1C03                    1612          DC    X'1C03'          PLLB  = 3                    VERISH
000C92 1DA9                    1613          DC    X'1DA9'          PWHF  = 681                  VERISH
000C94 1E02                    1614          DC    X'1E02'          PWHI  = 681                  VERISH
000C96 1F01                    1615          DC    X'1F01'          PWHBS = 1                    VERISH
000C98 2454                    1616          DC    X'2454'          PWLF  = 84                   VERISH
000C9A F400                    1617          DC    X'F400'          DELAY 30 SECS                VERISH
000C9C 012C                    1618          DC    X'012C'                                       VERISH
000C9E 2E01                    1619          DC    X'2E01'          PHDFL = 1                    VERISH
000CA0 1C00                    1620          DC    X'1C00'          PLLB  = 0                    VERISH
000CA2 1D8C                    1621          DC    X'1D8C'          PWHF  = 908                  VERISH
000CA4 1E03                    1622          DC    X'1E03'          PWHI  = 908                  VERISH
000CA6 1F00                    1623          DC    X'1F00'          PWHBS = 0                    VERISH
000CA8 2470                    1624          DC    X'2470'          PWLF  = 112                  VERISH
000CAA F400                    1625          DC    X'F400'          DELAY 30 SECS                VERISH
000CAC 012C                    1626          DC    X'012C'                                       VERISH
000CAE FAFE                    1627          DC    X'FAFE'          END DGA1B                    VERISH
000CB0 FA42                    1628          DC    X'FA42'          --->START DGA1B1             VERISH
000CB2 2E00                    1629          DC    X'2E00'          PHDFL = 0                    VERISH
000CB4 1C01                    1630          DC    X'1C01'          PLLB  = 1                    VERISH
000CB6 1D6F                    1631          DC    X'1D6F'          PWHF  = 1135                 VERISH
000CB8 1E04                    1632          DC    X'1E04'          PWHI  = 1135                 VERISH
000CBA 1F01                    1633          DC    X'1F01'          PWHBS = 1                    VERISH
000CBC 248C                    1634          DC    X'248C'          PWLI  = 140                  VERISH
000CBE F400                    1635          DC    X'F400'          DELAY 30 SECS                VERISH
000CC0 012C                    1636          DC    X'012C'                                       VERISH
000CC2 2E05                    1637          DC    X'2E05'          PHDIR = 5                    VERISH
000CC4 1C02                    1638          DC    X'1C02'          PLLB  = 2                    VERISH
000CC6 1D52                    1639          DC    X'1D52'          PWHF  = 1362                 VERISH
000CC8 1E05                    1640          DC    X'1E05'          PWHI  = 1362                 VERISH
000CCA 1F00                    1641          DC    X'1F00'          PWHBS = 0                    VERISH
000CCC 24A8                    1642          DC    X'24A8'          PWLF  = 168                  VERISH
000CCE F400                    1643          DC    X'F400'          DELAY 30 SECS                VERISH
000CD0 012C                    1644          DC    X'012C'                                       VERISH
000CD2 2E01                    1645          DC    X'2E01'          PHDFL = 1                    VERISH
000CD4 1C03                    1646          DC    X'1C03'          PLLB  = 3                    VERISH
000CD6 1D35                    1647          DC    X'1D35'          PWHF  = 1589                 VERISH
000CD8 1E06                    1648          DC    X'1E06'          PWHI  = 1589                 VERISH
000CDA 1F01                    1649          DC    X'1F01'          PWHBS = 1                    VERISH
000CDC 24C4                    1650          DC    X'24C4'          PWLI  = 196                  VERISH
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LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	
000CDE	F400			1651	DC X'F400'	DELAY 30 SECS
000CE0	012C			1652	DC X'012C'	
000CE2	2E02			1653	DC X'2E02'	PHOFL = 2
000CE4	1801			1654	DC X'1801'	PLLSWP = 1
000CE6	1016			1655	DC X'1016'	PWHF = 1816
000CE8	1E07			1656	DC X'1E07'	PWHF = 1816
000CEA	1F00			1657	DC X'1F00'	PWHBS = 0
000CEC	24E0			1658	DC X'24E0'	PWLF = 224
000CEE	F400			1659	DC X'F400'	DELAY 30 SECS
000CF0	012C			1660	DC X'012C'	
000CF2	2E00			1661	DC X'2E00'	PHOFL = 0
000CF4	2003			1662	DC X'2003'	PHOAG = 3
000CF6	1DFB			1663	DC X'1DFB'	PWHF = 2043
000CF8	1E07			1664	DC X'1E07'	PWHF = 2042
000CFA	1F01			1665	DC X'1F01'	PWHBS = 1
000CFC	24FC			1666	DC X'24FC'	PWLF = 252
000CFE	FAFE			1667	DC X'FAFE'	END DGA1B
000D00	FA43			1668	DC X'FA43'	-->START DGA2 (FOW06 A-2)
000D02	F83C			1669	DC X'F83C'	CALL DGPF06
000D04	F400			1670	DC X'F400'	DELAY 180 SECS
000D06	0708			1671	DC X'0708'	
000D08	1F01			1672	DC X'1F01'	PWHBS = 1
000D0A	2600			1673	DC X'2600'	PWLGN = 0
000D0C	FD64			1674	DC X'FD64'	DELAY 10 SECS
000D0E	2E01			1675	DC X'2E01'	PHOFL = 1
000D10	FAFE			1676	DC X'FAFE'	END DGA2
000D12	FA44			1677	DC X'FA44'	-->START DGA3 (FOW07 A-3)
000D14	F83D			1678	DC X'F83D'	CALL DGPF07
000D16	F400			1679	DC X'F400'	DELAY 179 SECS
000D18	06FE			1680	DC X'06FE'	
000D1A	1D00			1681	DC X'1D00'	PWHF = 2000
000D1C	1E07			1682	DC X'1E07'	PWHF = 2000
000D1E	1F01			1683	DC X'1F01'	PWHBS = 1
000D20	24F0			1684	DC X'24F0'	PWLF = 240
000D22	FAFE			1685	DC X'FAFE'	END DGA3
000D24	FA45			1686	DC X'FA45'	-->START DGA4 (FOW03 A-4)
000D26	FD02			1687	DC X'FD02'	DELAY 21 SECS
000D28	2014			1688	DC X'2014'	PHOAG = 20
000D2A	FD28			1689	DC X'FD28'	DELAY 4 SECS
000D2C	1C01			1690	DC X'1C01'	PLLB = 1
000D2E	FD6E			1691	DC X'FD6E'	DELAY 11 SECS
000D30	2010			1692	DC X'2010'	PHOAG = 16
000D32	FD28			1693	DC X'FD28'	DELAY 4 SECS
000D34	1C02			1694	DC X'1C02'	PLLB = 2
000D36	FD96			1695	DC X'FD96'	DELAY 15 SECS
000D38	2E01			1696	DC X'2E01'	PHOFL = 1
000D3A	1C03			1697	DC X'1C03'	PLLB = 3
000D3C	FD6E			1698	DC X'FD6E'	DELAY 11 SECS
000D3E	2018			1699	DC X'2018'	PHOAG = 24
000D40	FD28			1700	DC X'FD28'	DELAY 4 SECS
000D42	1C00			1701	DC X'1C00'	PLLB = 0
000D44	FD6E			1702	DC X'FD6E'	DELAY 11 SECS
000D46	2018			1703	DC X'2018'	PHOAG = 24
000D48	FD28			1704	DC X'FD28'	DELAY 4 SECS
000D4A	1C01			1705	DC X'1C01'	PLLB = 1

LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT F22NOV78 10/14/81

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000D4C FD96              1706          DC    X'FD96'          DELAY 15 SECS                    VERISW
000D4E 2F02              1707          DC    X'2F02'          PHOFL = 2                        VERISW
000D50 1C02              1708          DC    X'1C02'          PLLB = 2                         VERISW
000D52 FD6E              1709          DC    X'FD6E'          DELAY 11 SECS                    VERISW
000D54 2014              1710          DC    X'2014'          PHOAG = 20                       VERISW
000D56 FD23              1711          DC    X'FD23'          DELAY 4 SECS                     VERISW
000D58 1C03              1712          DC    X'1C03'          PLLB = 3                         VERISW
000D5A FD6E              1713          DC    X'FD6E'          DELAY 11 SECS                    VERISW
000D5C 2010              1714          DC    X'2010'          PHOAG = 16                       VERISW
000D5E FD28              1715          DC    X'FD28'          DELAY 4 SECS                     VERISW
000D60 1801              1716          DC    X'1801'          PLLSWP= 1                        VERISW
000D62 FDAA              1717          DC    X'FDAA'          DELAY 17 SECS                    VERISW
000D64 2F04              1718          DC    X'2F04'          PHOIK = 4                        VERISW
000D66 FD3C              1719          DC    X'FD3C'          DELAY 8 SECS                     VERISW
000D68 1F01              1720          DC    X'1F01'          PHHOJ = 1                        VERISW
000D6A FD64              1721          DC    X'FD64'          DELAY 16 SECS                    VERISW
000D6C 2014              1722          DC    X'2014'          PHOAG = 20                       VERISW
000D6E FD28              1723          DC    X'FD28'          DELAY 4 SECS                     VERISW
000D70 1800              1724          DC    X'1800'          PLLSWP= 0                        VERISW
000D72 1C00              1725          DC    X'1C00'          PLLB  = 0                        VERISW
000D74 FD6E              1726          DC    X'FD6E'          DELAY 11 SECS                    VERISW
000D76 2018              1727          DC    X'2018'          PHOAG = 24                       VERISW
000D78 FD28              1728          DC    X'FD28'          DELAY 4 SECS                     VERISW
000D7A 1C01              1729          DC    X'1C01'          PLLB  = 1                        VERISW
000D7C FD96              1730          DC    X'FD96'          DELAY 15 SECS                    VERISW
000D7E 2F01              1731          DC    X'2F01'          PHOFL = 1                        VERISW
000D80 1C02              1732          DC    X'1C02'          PLLB  = 2                        VERISW
000D82 FD6E              1733          DC    X'FD6E'          DELAY 11 SECS                    VERISW
000D84 2014              1734          DC    X'2014'          PHOAG = 20                       VERISW
000D86 FD23              1735          DC    X'FD23'          DELAY 4 SECS                     VERISW
000D88 1C03              1736          DC    X'1C03'          PLLB  = 3                        VERISW
000D8A FD6E              1737          DC    X'FD6E'          DELAY 11 SECS                    VERISW
000D8C 2010              1738          DC    X'2010'          PHOAG = 16                       VERISW
000D8E FD28              1739          DC    X'FD28'          DELAY 4 SECS                     VERISW
000D90 1C00              1740          DC    X'1C00'          PLLB = 0                         VERISW
000D92 FD96              1741          DC    X'FD96'          DELAY 15 SECS                    VERISW
000D94 2F00              1742          DC    X'2F00'          PHOFL = 0                        VERISW
000D96 1C01              1743          DC    X'1C01'          PLLB  = 1                        VERISW
000D98 FD6E              1744          DC    X'FD6E'          DELAY 11 SECS                    VERISW
000D9A 2014              1745          DC    X'2014'          PHOAG = 20                       VERISW
000D9C FD28              1746          DC    X'FD28'          DELAY 4 SECS                     VERISW
000D9E 1C02              1747          DC    X'1C02'          PLLB  = 2                        VERISW
000DA0 FD6E              1748          DC    X'FD6E'          DELAY 11 SECS                    VERISW
000DA2 2018              1749          DC    X'2018'          PHOAG = 24                       VERISW
000DA4 FD28              1750          DC    X'FD28'          DELAY 4 SECS                     VERISW
000DA6 1C03              1751          DC    X'1C03'          PLLB  = 3                        VERISW
000DA8 FAFE              1752          DC    X'FAFE'          END DGA4                         VERISW
000DAA FA46              1753          DC    X'FA46'          -->START DGA5A (F0,40V A-5A)     VERISW
000DAC FD32              1754          DC    X'FD32'          DELAY 13 SECS                    VERISW
000DAE 1800              1755          DC    X'1800'          PLLSWP= 0                        VERISW
000DB0 1C00              1756          DC    X'1C00'          PLLB  = 0                        VERISW
000DB2 1200              1757          DC    X'1200'          EPELNG= 0                        VERISW
000DB4 1401              1758          DC    X'1401'          EPEFIX= 1                        VERISW
000DB6 FD5A              1759          DC    X'FD5A'          DELAY 9 SECS                     VERISW
000DB8 1400              1760          DC    X'1400'          EPEFIX= 0                        VERISW
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000DFA FD3C          1761          DC    X'FD3C'          DELAY 6 SECS                VERISM
000DFC 1401          1762          DC    X'1401'          EPREFIX= 1                  VERISM
000DFE FD5A          1763          DC    X'FD5A'          DELAY 9 SECS                VERISM
000E00 1400          1764          DC    X'1400'          EPREFIX= 0                  VERISM
000E02 FD3C          1765          DC    X'FD3C'          DELAY 6 SECS                VERISM
000E04 1401          1766          DC    X'1401'          EPREFIX= 1                  VERISM
000E06 FD5A          1767          DC    X'FD5A'          DELAY 9 SECS                VERISM
000E08 1400          1768          DC    X'1400'          EPREFIX= 0                  VERISM
000E0A FD64          1769          DC    X'FD64'          DELAY 10 SECS               VERISM
000E0C 1801          1770          DC    X'1801'          PLLSWP= 1                   VERISM
000E0E 1DF4          1771          DC    X'1DF4'          PWHF  = 500                 VERISM
000E10 1C01          1772          DC    X'1E01'          PWHF  = 500                 VERISM
000E12 1F01          1773          DC    X'1F01'          PWHBS = 1                   VERISM
000E14 243C          1774          DC    X'243C'          PWLF  = 60                  VERISM
000E16 FD28          1775          DC    X'FD28'          DELAY 4 SECS                VERISM
000E18 2C01          1776          DC    X'2F01'          PHOFL = 1                   VERISM
000E1A FD46          1777          DC    X'FD46'          DELAY 7 SECS                VERISM
000E1C 1800          1778          DC    X'1800'          PLLSWP= 0                   VERISM
000E1E 1C01          1779          DC    X'1C01'          PLLB  = 1                   VERISM
000E20 1203          1780          DC    X'1203'          EPEENG= 3                   VERISM
000E22 1401          1781          DC    X'1401'          EPREFIX= 1                  VERISM
000E24 FD5A          1782          DC    X'FD5A'          DELAY 9 SECS                VERISM
000E26 1400          1783          DC    X'1400'          EPREFIX= 0                  VERISM
000E28 FD3C          1784          DC    X'FD3C'          DELAY 6 SECS                VERISM
000E2A 1205          1785          DC    X'1205'          EPEENG= 5                   VERISM
000E2C 1401          1786          DC    X'1401'          EPREFIX= 1                  VERISM
000E2E FD5A          1787          DC    X'FD5A'          DELAY 9 SECS                VERISM
000E30 1400          1788          DC    X'1400'          EPREFIX= 0                  VERISM
000E32 FD3C          1789          DC    X'FD3C'          DELAY 6 SECS                VERISM
000E34 1207          1790          DC    X'1207'          EPEENG= 7                   VERISM
000E36 1401          1791          DC    X'1401'          EPREFIX= 1                  VERISM
000E38 FD5A          1792          DC    X'FD5A'          DELAY 9 SECS                VERISM
000E3A 1400          1793          DC    X'1400'          EPREFIX= 0                  VERISM
000E3C FD64          1794          DC    X'FD64'          DELAY 10 SECS               VERISM
000E3E 1801          1795          DC    X'1801'          PLLSWP= 1                   VERISM
000E40 1DE8          1796          DC    X'1DC8'          PWHF  = 1000                VERISM
000E42 1EC8          1797          DC    X'1E08'          PWHF  = 1000                VERISM
000E44 1F00          1798          DC    X'1F00'          PWHBS = 0                   VERISM
000E46 2478          1799          DC    X'2478'          PWLF  = 120                 VERISM
000E48 FD28          1800          DC    X'FD28'          DELAY 4 SECS                VERISM
000E4A 2E00          1801          DC    X'2E00'          PHOFL = 0                   VERISM
000E4C FD46          1802          DC    X'FD46'          DELAY 7 SECS                VERISM
000E4E 1800          1803          DC    X'1800'          PLLSWP= 0                   VERISM
000E50 1C02          1804          DC    X'1C02'          PLLB  = 2                   VERISM
000E52 1206          1805          DC    X'1206'          EPEENG= 6                   VERISM
000E54 1401          1806          DC    X'1401'          EPREFIX= 1                  VERISM
000E56 FD5A          1807          DC    X'FD5A'          DELAY 9 SECS                VERISM
000E58 1400          1808          DC    X'1400'          EPREFIX= 0                  VERISM
000E5A FD3C          1809          DC    X'FD3C'          DELAY 6 SECS                VERISM
000E5C 120A          1810          DC    X'120A'          EPEENG= 10                  VERISM
000E5E 1401          1811          DC    X'1401'          EPREFIX= 1                  VERISM
000E60 FD5A          1812          DC    X'FD5A'          DELAY 9 SECS                VERISM
000E62 1400          1813          DC    X'1400'          EPREFIX= 0                  VERISM
000E64 FD3C          1814          DC    X'FD3C'          DELAY 6 SECS                VERISM
000E66 120F          1815          DC    X'120F'          EPEENG= 15                  VERISM
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000E28 1401          1816          DC    X'1401'          EPEFIX= 1                    VER15K
000E2A FD5A          1817          DC    X'FD5A'          DELAY 9 SECS                 VER15K
000E2C 1400          1818          DC    X'1400'          EPEFIX= 0                    VER15K
000E2E FD64          1819          DC    X'FD64'          DELAY 10 SECS                VER15K
000E30 1801          1820          DC    X'1801'          PLLSWP= 1                    VER15K
000E32 1DDC          1821          DC    X'1DDC'          PWHF  = 1500                 VER15K
000E34 1E05          1822          DC    X'1E05'          PWHF  = 1500                 VER15K
000E36 1F01          1823          DC    X'1F01'          PWHBS = 1                    VER15K
000E38 24B4          1824          DC    X'24B4'          PWLF  = 180                  VER15K
000E3A FD14          1825          DC    X'FD14'          DELAY 2 SECS                 VER15K
000E3C 2009          1826          DC    X'2009'          PHDAG = 9                    VER15K
000E3E FD5A          1827          DC    X'FD5A'          DELAY 9 SECS                 VER15K
000E40 1800          1828          DC    X'1800'          PLLSWP= 0                    VER15K
000E42 1F03          1829          DC    X'1F03'          PLLB  = 3                    VER15K
000E44 1209          1830          DC    X'1209'          EPELNG= 9                    VER15K
000E46 1401          1831          DC    X'1401'          EPEFIX= 1                    VER15K
000E48 FD5A          1832          DC    X'FD5A'          DELAY 9 SECS                 VER15K
000E4A 1400          1833          DC    X'1400'          EPEFIX= 0                    VER15K
000E4C FD3C          1834          DC    X'FD3C'          DELAY 6 SECS                 VER15K
000E4E 120F          1835          DC    X'120F'          EPELNG= 15                   VER15K
000E50 1401          1836          DC    X'1401'          EPEFIX= 1                    VER15K
000E52 FD5A          1837          DC    X'FD5A'          DELAY 9 SECS                 VER15K
000E54 1400          1838          DC    X'1400'          EPEFIX= 0                    VER15K
000E56 FD3C          1839          DC    X'FD3C'          DELAY 6 SECS                 VER15K
000E58 1217          1840          DC    X'1217'          EPELNG= 23                   VER15K
000E5A 1401          1841          DC    X'1401'          EPEFIX= 1                    VER15K
000E5C FD5A          1842          DC    X'FD5A'          DELAY 9 SECS                 VER15K
000E5E 1400          1843          DC    X'1407'          EPEFIX= 0                    VER15K
000E60 FD64          1844          DC    X'FD64'          DELAY 10 SECS                VER15K
000E62 1801          1845          DC    X'1801'          PLLSWP= 1                    VER15K
000E64 1DD0          1846          DC    X'1DD0'          PWHF  = 2000                 VER15K
000E66 1E07          1847          DC    X'1E07'          PWHF  = 2000                 VER15K
000E68 1F00          1848          DC    X'1F00'          PWHBS = 0                    VER15K
000E6A 24F0          1849          DC    X'24F0'          PWLF  = 240                  VER15K
000E6C FD14          1850          DC    X'FD14'          DELAY 2 SECS                 VER15K
000E6E 2006          1851          DC    X'2006'          PHDAG = 6                    VER15K
000E70 FD46          1852          DC    X'FD46'          DELAY 7 SECS                 VER15K
000E72 120C          1853          DC    X'120C'          EPELNG= 12                   VER15K
000E74 1401          1854          DC    X'1401'          EPEFIX= 1                    VER15K
000E76 FD5A          1855          DC    X'FD5A'          DELAY 9 SECS                 VER15K
000E78 1400          1856          DC    X'1400'          EPEFIX= 0                    VER15K
000E7A FD3C          1957          DC    X'FD3C'          DELAY 6 SECS                 VER15K
000E7C 1215          1858          DC    X'1215'          EPELNG= 21                   VER15K
000E7E 1401          1859          DC    X'1401'          EPEFIX= 1                    VER15K
000E80 FD5A          1860          DC    X'FD5A'          DELAY 9 SECS                 VER15K
000E82 1400          1861          DC    X'1400'          EPEFIX= 0                    VER15K
000E84 FD3C          1862          DC    X'FD3C'          DELAY 6 SECS                 VER15K
000E86 121F          1863          DC    X'121F'          EPELNG= 31                   VER15K
000E88 1401          1864          DC    X'1401'          EPEFIX= 1                    VER15K
000E8A FD5A          1865          DC    X'FD5A'          DELAY 9 SECS                 VER15K
000E8C 1400          1866          DC    X'1400'          EPEFIX= 0                    VER15K
000E8E FAFE          1867          DC    X'FAFE'          END DGASA                    VER15K
000E90 FA47          1869          DC    X'FA47'          -->START DGASB (10409 A-5B)  VER15K
000E92 F400          1869          DC    X'F400'          DELAY 55 SECS                VER15K
000E94 0226          1870          DC    X'0226'                                       VER15K
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000E94 1C01                1871          DC    X'1C01'          PLLSWP= 1                      VERISW
000E96 F096                1872          DC    X'F096'          DELAY 15 SECS                  VERISW
000E98 1800                1873          DC    X'1800'          PLLSWP= 0                      VERISW
000E9A 1C01                1874          DC    X'1C01'          PLLB  = 1                      VERISW
000E9C 1DF4                1875          DC    X'1DF4'          PWHF  = 500                    VERISW
000E9E 1E01                1876          DC    X'1E01'          PWHF  = 500                    VERISW
000EA0 1F01                1877          DC    X'1F01'          PWHBS = 1                      VERISW
000EA2 243C                1878          DC    X'243C'          PWLF  = 60                     VERISW
000EA4 F400                1879          DC    X'F400'          DELAY 45 SECS                  VERISW
000EA6 01C2                1880          DC    X'01C2'                                         VERISW
000EA8 1C01                1881          DC    X'1C01'          PLLSWP= 1                      VERISW
000EAA F096                1882          DC    X'F096'          DELAY 15 SECS                  VERISW
000EAC 1800                1883          DC    X'1800'          PLLSWP= 0                      VERISW
000EAE 1C02                1884          DC    X'1C02'          PLLB  = 2                      VERISW
000EB0 1DE8                1885          DC    X'1DE8'          PWHF  = 1000                   VERISW
000EB2 1E03                1886          DC    X'1E03'          PWHF  = 1000                   VERISW
000EB4 1F00                1887          DC    X'1F00'          PWHBS = 0                      VERISW
000EB6 2478                1888          DC    X'2478'          PWLF  = 120                    VERISW
000EB8 F400                1889          DC    X'F400'          DELAY 45 SECS                  VERISW
000EBA 01C2                1890          DC    X'01C2'                                         VERISW
000EBC 1C01                1891          DC    X'1C01'          PLLSWP= 1                      VERISW
000EBE F096                1892          DC    X'F096'          DELAY 15 SECS                  VERISW
000EC0 1800                1893          DC    X'1800'          PLLSWP= 0                      VERISW
000EC2 1C03                1894          DC    X'1C03'          PLLB  = 3                      VERISW
000EC4 1D0C                1895          DC    X'1D0C'          PWHF  = 1500                   VERISW
000EC6 1E05                1896          DC    X'1E05'          PWHF  = 1500                   VERISW
000EC8 1F01                1897          DC    X'1F01'          PWHBS = 1                      VERISW
000ECA 2404                1898          DC    X'2404'          PWLF  = 180                    VERISW
000ECC F400                1899          DC    X'F400'          DELAY 45 SECS                  VERISW
000ECE 01C2                1900          DC    X'01C2'                                         VERISW
000ED0 1C01                1901          DC    X'1C01'          PLLSWP= 1                      VERISW
000ED2 F096                1902          DC    X'F096'          DELAY 15 SECS                  VERISW
000ED4 1D00                1903          DC    X'1D00'          PWHF  = 2000                   VERISW
000ED6 1E07                1904          DC    X'1E07'          PWHF  = 2000                   VERISW
000ED8 1F00                1905          DC    X'1F00'          PWHBS = 0                      VERISW
000EDA 24F0                1906          DC    X'24F0'          PWLF  = 240                    VERISW
000EDC FAFE                1907          DC    X'FAFE'          END PH05A                      VERISW
000EDE FA48                1908          DC    X'FA48'          -->START PH05B (FOR09 A=50)    VERISW
000EE0 F400                1909          DC    X'F400'          DELAY 70 SECS                  VERISW
000EE2 028C                1910          DC    X'028C'                                         VERISW
000EE4 2E01                1911          DC    X'2E01'          PHOFL = 1                      VERISW
000EE6 F400                1912          DC    X'F400'          DELAY 60 SECS                  VERISW
000EE8 0258                1913          DC    X'0258'                                         VERISW
000EEA 2E00                1914          DC    X'2E00'          PHOFL = 0                      VERISW
000EEC F400                1915          DC    X'F400'          DELAY 58 SECS                  VERISW
000EEE 0244                1916          DC    X'0244'                                         VERISW
000EF0 2D09                1917          DC    X'2D09'          PHDAC = 9                      VERISW
000EF2 F400                1918          DC    X'F400'          DELAY 50 SECS                  VERISW
000EF4 01F4                1919          DC    X'01F4'                                         VERISW
000EF6 2D06                1920          DC    X'2D06'          PHDAC = 6                      VERISW
000EF8 FAFE                1921          DC    X'FAFE'          END PH05B                      VERISW
000EFA FA49                1922          DC    X'FA49'          -->START EPE5B (FOR09 A=50)    VERISW
000EFC F04C                1923          DC    X'F04C'          DELAY 14 SECS                  VERISW
000EFE 1200                1924          DC    X'1200'          EPEENG= 0                      VERISW
000F00 1401                1925          DC    X'1401'          EPEMIX= 1                      VERISW
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000F08	FD32		1926	DC	X'FD32'	DELAY 5 SECS VERISW
000F0A	FD64		1927	DC	X'FD64'	DELAY 10 SECS VERISW
000F0C	1401		1929	DC	X'1401'	EPEFIX= 1 VERISW
000F0E	FD32		1930	DC	X'FD32'	DELAY 5 SECS VERISW
000F10	1400		1931	DC	X'1400'	EPEFIX= 0 VERISW
000F12	FD64		1932	DC	X'FD64'	DELAY 10 SECS VERISW
000F14	1401		1933	DC	X'1401'	EPEFIX= 1 VERISW
000F16	FD32		1934	DC	X'FD32'	DELAY 5 SECS VERISW
000F18	1400		1935	DC	X'1400'	EPEFIX= 0 VERISW
000F1A	FDFA		1936	DC	X'FDFA'	DELAY 25 SECS VERISW
000F1C	1203		1937	DC	X'1203'	EPEENG= 3 VERISW
000F1E	1401		1938	DC	X'1401'	EPEFIX= 1 VERISW
000F20	FD32		1939	DC	X'FD32'	DELAY 5 SECS VERISW
000F22	1400		1940	DC	X'1400'	EPEFIX= 0 VERISW
000F24	FD64		1941	DC	X'FD64'	DELAY 10 SECS VERISW
000F26	1205		1942	DC	X'1205'	EPEENG= 5 VERISW
000F28	1401		1943	DC	X'1401'	EPEFIX= 1 VERISW
000F2A	FD32		1944	DC	X'FD32'	DELAY 5 SECS VERISW
000F2C	1400		1945	DC	X'1400'	EPEFIX= 0 VERISW
000F2E	FD64		1946	DC	X'FD64'	DELAY 10 SECS VERISW
000F30	1207		1947	DC	X'1207'	EPEENG= 7 VERISW
000F32	1401		1948	DC	X'1401'	EPEFIX= 1 VERISW
000F34	FD32		1949	DC	X'FD32'	DELAY 5 SECS VERISW
000F36	1400		1950	DC	X'1400'	EPEFIX= 0 VERISW
000F38	FDFA		1951	DC	X'FDFA'	DELAY 25 SECS VERISW
000F3A	1206		1952	DC	X'1206'	EPEENG= 6 VERISW
000F3C	1401		1953	DC	X'1401'	EPEFIX= 1 VERISW
000F3E	FD32		1954	DC	X'FD32'	DELAY 5 SECS VERISW
000F40	1400		1955	DC	X'1400'	EPEFIX= 0 VERISW
000F42	FD64		1956	DC	X'FD64'	DELAY 10 SECS VERISW
000F44	120A		1957	DC	X'120A'	EPEENG= 10 VERISW
000F46	1401		1958	DC	X'1401'	EPEFIX= 1 VERISW
000F48	FD32		1959	DC	X'FD32'	DELAY 5 SECS VERISW
000F4A	1400		1960	DC	X'1400'	EPEFIX= 0 VERISW
000F4C	FD64		1961	DC	X'FD64'	DELAY 10 SECS VERISW
000F4E	120F		1962	DC	X'120F'	EPEENG= 15 VERISW
000F50	1401		1963	DC	X'1401'	EPEFIX= 1 VERISW
000F52	FD32		1964	DC	X'FD32'	DELAY 5 SECS VERISW
000F54	1400		1965	DC	X'1400'	EPEFIX= 0 VERISW
000F56	FDFA		1966	DC	X'FDFA'	DELAY 25 SECS VERISW
000F58	1209		1967	DC	X'1209'	EPEENG= 9 VERISW
000F5A	1401		1968	DC	X'1401'	EPEFIX= 1 VERISW
000F5C	FD32		1969	DC	X'FD32'	DELAY 5 SECS VERISW
000F5E	1400		1970	DC	X'1400'	EPEFIX= 0 VERISW
000F60	FD64		1971	DC	X'FD64'	DELAY 10 SECS VERISW
000F62	120F		1972	DC	X'120F'	EPEENG= 15 VERISW
000F64	1401		1973	DC	X'1401'	EPEFIX= 1 VERISW
000F66	FD32		1974	DC	X'FD32'	DELAY 5 SECS VERISW
000F68	1400		1975	DC	X'1400'	EPEFIX= 0 VERISW
000F6A	FD64		1976	DC	X'FD64'	DELAY 10 SECS VERISW
000F6C	1217		1977	DC	X'1217'	EPEENG= 23 VERISW
000F6E	1401		1978	DC	X'1401'	EPEFIX= 1 VERISW
000F70	FD32		1979	DC	X'FD32'	DELAY 5 SECS VERISW
	1400		1980	DC	X'1400'	EPEFIX= 0 VERISW

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000F72 FDFA                    1981        DC    X'FDFA'          DELAY 25 SECS                                  VERISW
000F74 120C                    1982        DC    X'120C'          EPEENG= 12                                     VERISW
000F76 1401                    1983        DC    X'1401'          EPEFIX= 1                                      VERISW
000F78 FD32                    1984        DC    X'FD32'          DELAY 5 SECS                                   VERISW
000F7A 1400                    1985        DC    X'1400'          EPEFIX= 0                                      VERISW
000F7C FD64                    1986        DC    X'FD64'          DELAY 10 SECS                                  VERISW
000F7E 1215                    1987        DC    X'1215'          EPEENG= 21                                     VERISW
000F80 1401                    1988        DC    X'1401'          EPEFIX= 1                                      VERISW
000F82 FD32                    1989        DC    X'FD32'          DELAY 5 SECS                                   VERISW
000F84 1400                    1990        DC    X'1400'          EPEFIX= 0                                      VERISW
000F86 FD64                    1991        DC    X'FD64'          DELAY 10 SECS                                  VERISW
000F88 121F                    1992        DC    X'121F'          EPEENG= 31                                     VERISW
000F8A 1401                    1993        DC    X'1401'          EPEFIX= 1                                      VERISW
000F8C FD32                    1994        DC    X'FD32'          DELAY 5 SECS                                   VERISW
000F8E 1400                    1995        DC    X'1400'          EPEFIX= 0                                      VERISW
000F90 FAFE                    1996        DC    X'FAFE'        END EPE58                                        VERISW
000F92 FA4A                    1997        DC    X'FA4A'      -->START DGA7 (FO#11 A-7)                          VERISW
000F94 F8C0                    1998        DC    X'F8C0'          CALL DGPFO11                                   VERISW
000F96 FD28                    1999        DC    X'FD28'          DELAY 4 SECS                                   VERISW
000F98 1400                    2000        DC    X'1400'          EPEFIX= 0                                      VERISW
000F9A FD0A                    2001        DC    X'FD0A'          DELAY 1 SECS   TIME = 5 SECS                   VERISW
000F9C 1B01                    2002        DC    X'1B01'          PLLSWP= 1                                      VERISW
000F9E FD32                    2003        DC    X'FD32'          DELAY 5 SECS   TIME = 10 SECS                  VERISW
000FA0 2E01                    2004        DC    X'2E01'          PHOFL = 1                                      VERISW
000FA2 1B00                    2005        DC    X'1B00'          PLLSWP= 0                                      VERISW
000FA4 1C01                    2006        DC    X'1C01'          PLLB  = 1                                      VERISW
000FA6 1D64                    2007        DC    X'1D64'          PWHF  = 100                                    VERISW
000FA8 1E00                    2008        DC    X'1E00'          PWHF  = 100                                    VERISW
000FAA 240C                    2009        DC    X'240C'          PWLF  = 12                                     VERISW
000FAC FD28                    2010        DC    X'FD28'          DELAY 4 SECS   TIME = 14 SECS                  VERISW
000FAE 1201                    2011        DC    X'1201'          EPEENG= 1                                      VERISW
000FB0 1401                    2012        DC    X'1401'          EPEFIX= 1                                      VERISW
000FB2 FD32                    2013        DC    X'FD32'          DELAY 5 SECS   TIME = 19 SECS                  VERISW
000FB4 1400                    2014        DC    X'1400'          EPEFIX= 0                                      VERISW
000FB6 FD0A                    2015        DC    X'FD0A'          DELAY 1 SECS   TIME = 20 SECS                  VERISW
000FB8 1B01                    2016        DC    X'1B01'          PLLSWP= 1                                      VERISW
000FBA FD32                    2017        DC    X'FD32'          DELAY 5 SECS   TIME = 25 SECS                  VERISW
000FBC 2E02                    2018        DC    X'2E02'          PHOFL = 2                                      VERISW
000FBE 1B00                    2019        DC    X'1B00'          PLLSWP= 0                                      VERISW
000FC0 1C02                    2020        DC    X'1C02'          PLLB  = 2                                      VERISW
000FC2 1DC8                    2021        DC    X'1DC8'          PWHF  = 200                                    VERISW
000FC4 1E00                    2022        DC    X'1E00'          PWHF  = 200                                    VERISW
000FC6 2418                    2023        DC    X'2418'          PWLF  = 24                                     VERISW
000FC8 FD28                    2024        DC    X'FD28'          DELAY 4 SECS   TIME = 29 SECS                  VERISW
000FCA 1202                    2025        DC    X'1202'          EPEENG= 2                                      VERISW
000FCC 1401                    2026        DC    X'1401'          EPEFIX= 1                                      VERISW
000FCE FD32                    2027        DC    X'FD32'          DELAY 5 SECS   TIME = 34 SECS                  VERISW
000FD0 1400                    2028        DC    X'1400'          EPEFIX= 0                                      VERISW
000FD2 FD0A                    2029        DC    X'FD0A'          DELAY 1 SECS   TIME = 35 SECS                  VERISW
000FD4 1B01                    2030        DC    X'1B01'          PLLSWP= 1                                      VERISW
000FD6 FD0A                    2031        DC    X'FD0A'          DELAY 1 SECS   TIME = 36 SECS                  VERISW
000FD8 2DC4                    2032        DC    X'2DC4'          PHOAG = 4                                      VERISW
000FDA FD28                    2033        DC    X'FD28'          DELAY 4 SECS   TIME = 40 SECS                  VERISW
000FDC 1B00                    2034        DC    X'1B00'          PLLSWP= 0                                      VERISW
000FDE 1C03                    2035        DC    X'1C03'          PLLB  = 3                                      VERISW
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000FE0 1D2C                2036        DC    X'1D2C'    PWHF  = 300                          VERISW
000FE2 1E01                2037        DC    X'1E01'    PWHF  = 300                          VERISW
000FE4 2424                2038        DC    X'2424'    PWLF  = 36                           VERISW
000FE6 FD28                2039        DC    X'FD28'    DELAY 4 SECS   TIME = 44 SECS        VERISW
000FE8 1203                2040        DC    X'1203'    EPEENG= 3                            VERISW
000FEA 1401                2041        DC    X'1401'    EPEFIX= 1                            VERISW
000FEC FD32                2042        DC    X'FD32'    DELAY 5 SECS   TIME = 49 SECS        VERISW
000FEE 1400                2043        DC    X'1400'    EPEFIX= 0                            VERISW
000FF0 FD0A                2044        DC    X'FD0A'    DELAY 1 SECS   TIME = 50 SECS        VERISW
000FF2 1B01                2045        DC    X'1B01'    PLLSWP= 1                            VERISW
000FF4 FD32                2046        DC    X'FD32'    DELAY 5 SECS   TIME = 55 SECS        VERISW
000FF6 2E01                2047        DC    X'2E01'    PHOFL = 1                            VERISW
000FF8 1B00                2048        DC    X'1B00'    PLLSWP= 0                            VERISW
000FFA 1C00                2049        DC    X'1C00'    PLLB  = 0                            VERISW
000FFC 1D90                2050        DC    X'1D90'    PWHF  = 400                          VERISW
000FFE 1E01                2051        DC    X'1E01'    PWHF  = 400                          VERISW
001000 1F01                2052        DC    X'1F01'    PWHBS = 1                            VERISW
001002 2430                2053        DC    X'2430'    PWLF  = 48                           VERISW
001004 FD28                2054        DC    X'FD28'    DELAY 4 SECS   TIME = 59 SECS        VERISW
001006 1204                2055        DC    X'1204'    EPEENG= 4                            VERISW
001008 1401                2056        DC    X'1401'    EPEFIX= 1                            VERISW
00100A FD32                2057        DC    X'FD32'    DELAY 5 SECS   TIME = 64 SECS        VERISW
00100C 1400                2058        DC    X'1400'    EPEFIX= 0                            VERISW
00100E FD0A                2059        DC    X'FD0A'    DELAY 1 SECS   TIME = 65 SECS        VERISW
001010 1B01                2060        DC    X'1B01'    PLLSWP= 1                            VERISW
001012 FD32                2061        DC    X'FD32'    DELAY 5 SECS   TIME = 70 SECS        VERISW
001014 2E00                2062        DC    X'2E00'    PHOFL = 0                            VERISW
001016 1B00                2063        DC    X'1B00'    PLLSWP= 0                            VERISW
001018 1C01                2064        DC    X'1C01'    PLLB  = 1                            VERISW
00101A 1DF4                2065        DC    X'1DF4'    PWHF  = 500                          VERISW
00101C 1E01                2066        DC    X'1E01'    PWHF  = 500                          VERISW
00101E 243C                2067        DC    X'243C'    PWLF  = 60                           VERISW
001020 FD28                2068        DC    X'FD28'    DELAY 4 SECS   TIME = 74 SECS        VERISW
001022 1205                2069        DC    X'1205'    EPEENG= 5                            VERISW
001024 1401                2070        DC    X'1401'    EPEFIX= 1                            VERISW
001026 FD32                2071        DC    X'FD32'    DELAY 5 SECS   TIME = 79 SECS        VERISW
001028 1400                2072        DC    X'1400'    EPEFIX= 0                            VERISW
00102A FD0A                2073        DC    X'FD0A'    DELAY 1 SECS   TIME = 80 SECS        VERISW
00102C 1B01                2074        DC    X'1B01'    PLLSWP= 1                            VERISW
00102E FD0A                2075        DC    X'FD0A'    DELAY 1 SECS   TIME = 81 SECS        VERISW
001030 2D08                2076        DC    X'2D08'    PHOAG = 8                            VERISW
001032 FD28                2077        DC    X'FD28'    DELAY 4 SECS   TIME = 85 SECS        VERISW
001034 1B00                2078        DC    X'1B00'    PLLSWP= 0                            VERISW
001036 1C02                2079        DC    X'1C02'    PLLB  = 2                            VERISW
001038 1D58                2080        DC    X'1D58'    PWHF  = 600                          VERISW
00103A 1E02                2081        DC    X'1E02'    PWHF  = 600                          VERISW
00103C 2448                2082        DC    X'2448'    PWLF  = 72                           VERISW
00103E FD28                2083        DC    X'FD28'    DELAY 4 SECS   TIME = 89 SECS        VERISW
001040 1206                2084        DC    X'1206'    EPEENG= 6                            VERISW
001042 1401                2085        DC    X'1401'    EPEFIX= 1                            VERISW
001044 FD32                2086        DC    X'FD32'    DELAY 5 SECS   TIME = 94 SECS        VERISW
001046 1400                2087        DC    X'1400'    EPEFIX= 0                            VERISW
001048 FD0A                2088        DC    X'FD0A'    DELAY 1 SECS   TIME = 95 SECS        VERISW
00104A 1B01                2089        DC    X'1B01'    PLLSWP= 1                            VERISW
00104C FD32                2090        DC    X'FD32'    DELAY 5 SECS   TIME = 100 SECS       VERISW
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00104E 2E01          2091        DC    X'2E01'    PHOFL = 1                                  VERISW
001050 1B00          2092        DC    X'1B00'    PLLSWP= 0                                  VERISW
001052 1C03          2093        DC    X'1C03'    PLLB  = 3                                  VERISW
001054 1D8C          2094        DC    X'1D8C'    PWHF  = 700                                VERISW
001056 1E02          2095        DC    X'1E02'    PWHF  = 700                                VERISW
001058 1F00          2096        DC    X'1F00'    PWHBS = 0                                  VERISW
00105A 2454          2097        DC    X'2454'    PWLF  = 84                                 VERISW
00105C FD28          2098        DC    X'FD28'    DELAY 4 SECS   TIME = 104 SECS             VERISW
00105E 1207          2099        DC    X'1207'    EPEENG= 7                                  VERISW
001060 1401          2100        DC    X'1401'    EPEFIX= 1                                  VERISW
001062 FD32          2101        DC    X'FD32'    DELAY 5 SECS   TIME = 109 SECS             VERISW
001064 1400          2102        DC    X'1400'    EPEFIX= 0                                  VERISW
001066 FD0A          2103        DC    X'FD0A'    DELAY 1 SECS   TIME = 110 SECS             VERISW
001068 1B01          2104        DC    X'1B01'    PLLSWP= 1                                  VERISW
00106A FD32          2105        DC    X'FD32'    DELAY 5 SECS   TIME = 115 SECS             VERISW
00106C 2E02          2106        DC    X'2E02'    PHOFL = 2                                  VERISW
00106E 1B00          2107        DC    X'1B00'    PLLSWP= 0                                  VERISW
001070 1C00          2108        DC    X'1C00'    PLLB  = 0                                  VERISW
001072 1D20          2109        DC    X'1D20'    PWHF  = 800                                VERISW
001074 1E03          2110        DC    X'1E03'    PWHF  = 800                                VERISW
001076 2460          2111        DC    X'2460'    PWLF  = 96                                 VERISW
001078 FD28          2112        DC    X'FD28'    DELAY 4 SECS   TIME = 119 SECS             VERISW
00107A 1209          2113        DC    X'1209'    EPEENG= 9                                  VERISW
00107C 1401          2114        DC    X'1401'    EPEFIX= 1                                  VERISW
00107E FD32          2115        DC    X'FD32'    DELAY 5 SECS   TIME = 124 SECS             VERISW
001080 1400          2116        DC    X'1400'    EPEFIX= 0                                  VERISW
001082 FD0A          2117        DC    X'FD0A'    DELAY 1 SECS   TIME = 125 SECS             VERISW
001084 1B01          2118        DC    X'1B01'    PLLSWP= 1                                  VERISW
001086 FD0A          2119        DC    X'FD0A'    DELAY 1 SECS   TIME = 126 SECS             VERISW
001088 2D0C          2120        DC    X'2D0C'    PHOAG = 12                                 VERISW
00108A FD28          2121        DC    X'FD28'    DELAY 4 SECS   TIME = 130 SECS             VERISW
00108C 1B00          2122        DC    X'1B00'    PLLSWP= 0                                  VERISW
00108E 1C01          2123        DC    X'1C01'    PLLB  = 1                                  VERISW
001090 1DE4          2124        DC    X'1DE4'    PWHF  = 900                                VERISW
001092 1E03          2125        DC    X'1E03'    PWHF  = 900                                VERISW
001094 246C          2126        DC    X'246C'    PWLF  = 108                                VERISW
001096 FD28          2127        DC    X'FD28'    DELAY 4 SECS   TIME = 134 SECS             VERISW
001098 1208          2128        DC    X'1208'    EPEENG= 11                                 VERISW
00109A 1401          2129        DC    X'1401'    EPEFIX= 1                                  VERISW
00109C FD32          2130        DC    X'FD32'    DELAY 5 SECS   TIME = 139 SECS             VERISW
00109E 1400          2131        DC    X'1400'    EPEFIX= 0                                  VERISW
0010A0 FD0A          2132        DC    X'FD0A'    DELAY 1 SECS   TIME = 140 SECS             VERISW
0010A2 1B01          2133        DC    X'1B01'    PLLSWP= 1                                  VERISW
0010A4 FD32          2134        DC    X'FD32'    DELAY 5 SECS   TIME = 145 SECS             VERISW
0010A6 2E01          2135        DC    X'2E01'    PHOFL = 1                                  VERISW
0010A8 1B00          2136        DC    X'1B00'    PLLSWP= 0                                  VERISW
0010AA 1C02          2137        DC    X'1C02'    PLLB  = 2                                  VERISW
0010AC 1DE8          2138        DC    X'1DE8'    PWHF  = 1000                               VERISW
0010AE 1E03          2139        DC    X'1E03'    PWHF  = 1000                               VERISW
0010B0 1F01          2140        DC    X'1F01'    PWHBS = 1                                  VERISW
0010B2 2478          2141        DC    X'2478'    PWLF  = 120                                VERISW
0010B4 FD28          2142        DC    X'FD28'    DELAY 4 SECS   TIME = 149 SECS             VERISW
0010B6 1200          2143        DC    X'1200'    EPEENG= 13                                 VERISW
0010B8 1401          2144        DC    X'1401'    EPEFIX= 1                                  VERISW
0010BA FD32          2145        DC    X'FD32'    DELAY 5 SECS   TIME = 154 SECS             VERISW
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0010BC 1400                    2146        DC    X'1400'     EPEFIX= 0                                  VERISW
0010BE FD0A                    2147        DC    X'FD0A'     DELAY 1 SECS   TIME = 155 SECS             VERISW
0010C0 1B01                    2148        DC    X'1B01'     PLLSWP= 1                                  VERISW
0010C2 FD32                    2149        DC    X'FD32'     DELAY 5 SECS   TIME = 160 SECS             VERISW
0010C4 2E00                    2150        DC    X'2E00'     PHOFL = 0                                  VERISW
0010C6 1B00                    2151        DC    X'1B00'     PLLSWP= 0                                  VERISW
0010C8 1C03                    2152        DC    X'1C03'     PLLB  = 3                                  VERISW
0010CA 1D4C                    2153        DC    X'1D4C'     PWHF  = 1100                               VERISW
0010CC 1E04                    2154        DC    X'1E04'     PWHF  = 1100                               VERISW
0010CE 24E4                    2155        DC    X'24E4'     PWLF  = 132                                VERISW
0010D0 FD28                    2156        DC    X'FD28'     DELAY 4 SECS   TIME = 164 SECS             VERISW
0010D2 120F                    2157        DC    X'120F'     EPEENG= 15                                 VERISW
0010D4 1401                    2158        DC    X'1401'     EPEFIX= 1                                  VERISW
0010D6 FD32                    2159        DC    X'FD32'     DELAY 5 SECS   TIME = 169 SECS             VERISW
0010D8 1400                    2160        DC    X'1400'     EPEFIX= 0                                  VERISW
0010DA FD0A                    2161        DC    X'FD0A'     DELAY 1 SECS   TIME = 170 SECS             VERISW
0010DC 1B01                    2162        DC    X'1B01'     PLLSWP= 1                                  VERISW
0010DE FD0A                    2163        DC    X'FD0A'     DELAY 1 SECS   TIME = 171 SECS             VERISW
0010E0 2D10                    2164        DC    X'2D10'     PHDAG = 16                                 VERISW
0010E2 FD28                    2165        DC    X'FD28'     DELAY 4 SECS   TIME = 175 SECS             VERISW
0010E4 1B00                    2166        DC    X'1B00'     PLLSWP= 0                                  VERISW
0010E6 1C00                    2167        DC    X'1C00'     PLLB  = 0                                  VERISW
0010E8 1D80                    2168        DC    X'1D80'     PWHF  = 1200                               VERISW
0010EA 1E04                    2169        DC    X'1E04'     PWHF  = 1200                               VERISW
0010EC 2490                    2170        DC    X'2490'     PWLF  = 144                                VERISW
0010EE FD28                    2171        DC    X'FD28'     DELAY 4 SECS   TIME = 179 SECS             VERISW
0010F0 1211                    2172        DC    X'1211'     EPEENG= 17                                 VERISW
0010F2 1401                    2173        DC    X'1401'     EPEFIX= 1                                  VERISW
0010F4 FD32                    2174        DC    X'FD32'     DELAY 5 SECS   TIME = 184 SECS             VERISW
0010F6 1400                    2175        DC    X'1400'     EPEFIX= 0                                  VERISW
0010F8 FD0A                    2176        DC    X'FD0A'     DELAY 1 SECS   TIME = 185 SECS             VERISW
0010FA 1B01                    2177        DC    X'1B01'     PLLSWP= 1                                  VERISW
0010FC FD32                    2178        DC    X'FD32'     DELAY 5 SECS   TIME = 190 SECS             VERISW
0010FE 2E01                    2179        DC    X'2E01'     PHOFL = 1                                  VERISW
001100 1B00                    2180        DC    X'1B00'     PLLSWP= 0                                  VERISW
001102 1C01                    2181        DC    X'1C01'     PLLB  = 1                                  VERISW
001104 1D14                    2182        DC    X'1D14'     PWHF  = 1300                               VERISW
001106 1E05                    2183        DC    X'1E05'     PWHF  = 1300                               VERISW
001108 1F00                    2184        DC    X'1F00'     PWHBS = 0                                  VERISW
00110A 249C                    2185        DC    X'249C'     PWLF  = 156                                VERISW
00110C FD28                    2186        DC    X'FD28'     DELAY 4 SECS   TIME = 194 SECS             VERISW
00110E 1213                    2187        DC    X'1213'     EPEENG= 19                                 VERISW
001110 1401                    2188        DC    X'1401'     EPEFIX= 1                                  VERISW
001112 FD32                    2189        DC    X'FD32'     DELAY 5 SECS   TIME = 199 SECS             VERISW
001114 1400                    2190        DC    X'1400'     EPEFIX= 0                                  VERISW
001116 FD0A                    2191        DC    X'FD0A'     DELAY 1 SECS   TIME = 200 SECS             VERISW
001118 1B01                    2192        DC    X'1B01'     PLLSWP= 1                                  VERISW
00111A FD32                    2193        DC    X'FD32'     DELAY 5 SECS   TIME = 205 SECS             VERISW
00111C 2EC2                    2194        DC    X'2E02'     PHOFL = 2                                  VERISW
00111E 1B00                    2195        DC    X'1B00'     PLLSWP= 0                                  VERISW
001120 1C02                    2196        DC    X'1C02'     PLLB  = 2                                  VERISW
001122 1D78                    2197        DC    X'1D78'     PWHF  = 1400                               VERISW
001124 1E05                    2198        DC    X'1E05'     PWHF  = 1400                               VERISW
001126 24A8                    2199        DC    X'24A8'     PWLF  = 168                                VERISW
001128 FD28                    2200        DC    X'FD28'     DELAY 4 SECS   TIME = 209 SECS             VERISW
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 LOC  OBJECT CODE    ADDR1 ADDR2  STMT   SOURCE STATEMENT
001128 1215                      2201          DC    X'1215'     EPEENG= 21                                    VERISW
00112C 1401                      2202          DC    X'1401'     EPEFIX= 1                                     VERISW
00112E FD32                      2203          DC    X'FD32'     DELAY 5 SECS    TIME = 214 SECS               VERISW
001130 1400                      2204          DC    X'1400'     EPEFIX= 0                                     VERISW
001132 FD0A                      2205          DC    X'FD0A'     DELAY 1 SECS    TIME = 215 SECS               VERISW
001134 1801                      2206          DC    X'1801'     PLLSWP= 1                                     VERISW
001136 FD0A                      2207          DC    X'FD0A'     DELAY 1 SECS    TIME = 216 SECS               VERISW
001138 2F02                      2208          DC    X'2F02'     PHOIR = 2                                     VERISW
00113A 2D14                      2209          DC    X'2D14'     PHOAG = 20                                    VERISW
00113C FD28                      2210          DC    X'FD28'     DELAY 4 SECS    TIME = 220 SECS               VERISW
00113E 1800                      2211          DC    X'1800'     PLLSWP= 0                                     VERISW
001140 1C03                      2212          DC    X'1C03'     PLLB  = 3                                     VERISW
001142 1DDC                      2213          DC    X'1DDC'     PWHF  = 1500                                  VERISW
001144 1E05                      2214          DC    X'1E05'     PWHF  = 1500                                  VERISW
001146 2484                      2215          DC    X'2484'     PWLF  = 180                                   VERISW
001148 FD28                      2216          DC    X'FD28'     DELAY 4 SECS    TIME = 224 SECS               VERISW
00114A 1217                      2217          DC    X'1217'     EPEENG= 23                                    VERISW
00114C 1401                      2218          DC    X'1401'     EPEFIX= 1                                     VERISW
00114E FD32                      2219          DC    X'FD32'     DELAY 5 SECS    TIME = 229 SECS               VERISW
001150 1400                      2220          DC    X'1400'     EPEFIX= 0                                     VERISW
001152 FD0A                      2221          DC    X'FD0A'     DELAY 1 SECS    TIME = 230 SECS               VERISW
001154 1801                      2222          DC    X'1801'     PLLSWP= 1                                     VERISW
001156 FD32                      2223          DC    X'FD32'     DELAY 5 SECS    TIME = 235 SECS               VERISW
001158 1800                      2224          DC    X'1800'     PLLSWP= 0                                     VERISW
00115A 1C00                      2225          DC    X'1C00'     PLLB  = 0                                     VERISW
00115C 1D40                      2226          DC    X'1D40'     PWHF  = 1600                                  VERISW
00115E 1E06                      2227          DC    X'1E06'     PWHF  = 1600                                  VERISW
001160 1F01                      2228          DC    X'1F01'     PWHBS = 1                                     VERISW
001162 24C0                      2229          DC    X'24C0'     PWLF  = 192                                   VERISW
001164 FD28                      2230          DC    X'FD28'     DELAY 4 SECS    TIME = 239 SECS               VERISW
001166 1219                      2231          DC    X'1219'     EPEENG= 25                                    VERISW
001168 1401                      2232          DC    X'1401'     EPEFIX= 1                                     VERISW
00116A FD0A                      2233          DC    X'FD0A'     DELAY 1 SECS    TIME = 240 SECS               VERISW
00116C 2E01                      2234          DC    X'2E01'     PHOFL = 1                                     VERISW
00116E FD28                      2235          DC    X'FD28'     DELAY 4 SESCS   TIME = 244 SECS               VERISW
001170 1400                      2236          DC    X'1400'     EPEFIX= 0                                     VERISW
001172 FD0A                      2237          DC    X'FD0A'     DELAY 1 SECS    TIME = 245 SECS               VERISW
001174 1801                      2238          DC    X'1801'     PLLSWP= 1                                     VERISW
001176 FD32                      2239          DC    X'FD32'     DELAY 5 SECS    TIME = 250 SECS               VERISW
001178 1800                      2240          DC    X'1800'     PLLSWP= 0                                     VERISW
00117A 1C01                      2241          DC    X'1C01'     PLLB  = 1                                     VERISW
00117C 1DA4                      2242          DC    X'1DA4'     PWHF  = 1700                                  VERISW
00117E 1E06                      2243          DC    X'1E06'     PWHF  = 1700                                  VERISW
001180 24CC                      2244          DC    X'24CC'     PWLF  = 204                                   VERISW
001182 FD28                      2245          DC    X'FD28'     DELAY 4 SECS    TIME = 254 SECS               VERISW
001184 1218                      2246          DC    X'1218'     EPEENG= 27                                    VERISW
001186 1401                      2247          DC    X'1401'     EPEFIX= 1                                     VERISW
001188 FD0A                      2248          DC    X'FD0A'     DELAY 1 SECS    TIME = 255 SECS               VERISW
00118A 2E00                      2249          DC    X'2E00'     PHOFL = 0                                     VERISW
00118C FD28                      2250          DC    X'FD28'     DELAY 4 SECS    TIME = 259 SECS               VERISW
00118E 1400                      2251          DC    X'1400'     EPEFIX= 0                                     VERISW
001190 FD0A                      2252          DC    X'FD0A'     DELAY 1 SECS    TIME = 260 SECS               VERISW
001192 1801                      2253          DC    X'1801'     PLLSWP= 1                                     VERISW
001194 FD0A                      2254          DC    X'FD0A'     DELAY 1 SECS    TIME = 261 SECS               VERISW
001196 2D18                      2255          DC    X'2D18'     PHOAG = 24                                    VERISW
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LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT			
001198	FD28			2256	DC	X'FD28'	DELAY 4 SECS TIME = 265 SECS	VERISW
00119A	1800			2257	DC	X'1800'	PLLSWP= 0	VERISW
00119C	1C02			2258	DC	X'1C02'	PLLB = 2	VERISW
00119E	1D08			2259	DC	X'1D08'	PWHF = 1800	VERISW
0011A0	1EC7			2260	DC	X'1E07'	PWHF = 1800	VERISW
0011A2	24D8			2261	DC	X'24D8'	PWLF = 216	VERISW
0011A4	FD28			2262	DC	X'FD28'	DELAY 4 SECS TIME = 269 SECS	VERISW
0011A6	121D			2263	DC	X'121D'	EPEENG= 29	VERISW
0011A8	1401			2264	DC	X'1401'	EPEFIX= 1	VERISW
0011AA	FD32			2265	DC	X'FD32'	DELAY 5 SECS TIME = 274 SECS	VERISW
0011AC	1400			2266	DC	X'1400'	EPEFIX= 0	VERISW
0011AE	FD0A			2267	DC	X'FD0A'	DELAY 1 SECS TIME = 275 SECS	VERISW
0011B0	1B01			2268	DC	X'1B01'	PLLSWP= 1	VERISW
0011B2	FD32			2269	DC	X'FD32'	DELAY 5 SECS TIME = 280 SECS	VERISW
0011B4	1B00			2270	DC	X'1B00'	PLLSWP= 0	VERISW
0011B6	1C03			2271	DC	X'1C03'	PLLB = 3	VERISW
0011B8	1D6C			2272	DC	X'1D6C'	PWHF = 1900	VERISW
0011BA	1EC7			2273	DC	X'1E07'	PWHF = 1900	VERISW
0011BC	24E4			2274	DC	X'24E4'	PWLF = 228	VERISW
0011BE	FD28			2275	DC	X'FD28'	DELAY 4 SECS TIME = 284 SECS	VERISW
0011C0	121F			2276	DC	X'121F'	EPEENG= 31	VERISW
0011C2	1401			2277	DC	X'1401'	EPEFIX= 1	VERISW
0011C4	FD32			2278	DC	X'FD32'	DELAY 5 SECS TIME = 289 SECS	VERISW
0011C6	1400			2279	DC	X'1400'	EPEFIX= 0	VERISW
0011C8	FD0A			2280	DC	X'FD0A'	DELAY 1 SECS TIME = 290 SECS	VERISW
0011CA	1B01			2281	DC	X'1B01'	PLLSWP= 1	VERISW
0011CC	FAFE			2282	DC	X'FAFE'	END DGA7	VERISW
0011CE	FA48			2283	DC	X'FA48'	==>START PWM4 (FD#08 A=4)	VERISW
0011D0	FD64			2284	DC	X'FD64'	DELAY 10 SECS TIME = 10 SECS	VERISW
0011D2	1D00			2285	DC	X'1D00'	PWHF = 0	VERISW
0011D4	1E00			2286	DC	X'1E00'	PWHF = 0	VERISW
0011D6	FD96			2287	DC	X'FD96'	DELAY 15 SECS TIME = 25 SECS	VERISW
0011D8	1DFA			2288	DC	X'1DFA'	PWHF = 250	VERISW
0011DA	1E00			2289	DC	X'1E00'	PWHF = 250	VERISW
0011DC	FD96			2290	DC	X'FD96'	DELAY 15 SECS TIME = 40 SECS	VERISW
0011DE	1DF4			2291	DC	X'1DF4'	PWHF = 500	VERISW
0011E0	1E01			2292	DC	X'1E01'	PWHF = 500	VERISW
0011E2	FD96			2293	DC	X'FD96'	DELAY 15 SECS TIME = 55 SECS	VERISW
0011E4	1DEE			2294	DC	X'1DEE'	PWHF = 750	VERISW
0011E6	1E02			2295	DC	X'1E02'	PWHF = 750	VERISW
0011E8	FD96			2296	DC	X'FD96'	DELAY 15 SECS TIME = 70 SECS	VERISW
0011EA	1DE8			2297	DC	X'1DE8'	PWHF = 1000	VERISW
0011EC	1E03			2298	DC	X'1E03'	PWHF = 1000	VERISW
0011EE	FD96			2299	DC	X'FD96'	DELAY 15 SECS TIME = 85 SECS	VERISW
0011F0	1DE2			2300	DC	X'1DE2'	PWHF = 1250	VERISW
0011F2	1EC4			2301	DC	X'1E04'	PWHF = 1250	VERISW
0011F4	FD96			2302	DC	X'FD96'	DELAY 15 SECS TIME = 100 SECS	VERISW
0011F6	1DDC			2303	DC	X'1DDC'	PWHF = 1500	VERISW
0011F8	1EC5			2304	DC	X'1E05'	PWHF = 1500	VERISW
0011FA	FD96			2305	DC	X'FD96'	DELAY 15 SECS TIME = 115 SECS	VERISW
0011FC	1DD6			2306	DC	X'1DD6'	PWHF = 1750	VERISW
0011FE	1E06			2307	DC	X'1E06'	PWHF = 1750	VERISW
001200	FD96			2308	DC	X'FD96'	DELAY 15 SECS TIME = 130 SECS	VERISW
001202	1DD0			2309	DC	X'1DD0'	PWHF = 2000	VERISW
001204	1EC7			2310	DC	X'1E07'	PWHF = 2000	VERISW

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 LOC  OBJECT CODE    ADDR1 ADDR2  STMT   SOURCE STATEMENT                                F22NOV74  10/14/81

001206 FD96                      2311          DC    X'FD96'          DELAY 15 SECS   TIME = 145 SECS      VERISW
001208 1DFF                      2312          DC    X'1DFF'          PWHF  = 2047                         VERISW
00120A 1EC7                      2313          DC    X'1EC7'          PWHF  = 2047                         VERISW
00120C FAFE                      2314          DC    X'FAFE'        END PWH4                               VERISW
00120E FA4C                      2315          DC    X'FA4C'      -->START PWL4  (FOW08 A-4)               VERISW
001210 FD64                      2316          DC    X'FD64'          DELAY 10 SECS   TIME = 10 SECS       VERISW
001212 2400                      2317          DC    X'2400'          PWLF  = 0                            VERISW
001214 FD96                      2318          DC    X'FD96'          DELAY 15 SECS   TIME = 25 SECS       VERISW
001216 241E                      2319          DC    X'241E'          PWLF  = 30                           VERISW
001218 FD96                      2320          DC    X'FD96'          DELAY 15 SECS   TIME = 40 SECS       VERISW
00121A 243C                      2321          DC    X'243C'          PWLF  = 60                           VERISW
00121C FD96                      2322          DC    X'FD96'          DELAY 15 SECS   TIME = 55 SECS       VERISW
00121E 245A                      2323          DC    X'245A'          PWLF  = 90                           VERISW
001220 FD96                      2324          DC    X'FD96'          DELAY 15 SECS   TIME = 70 SECS       VERISW
001222 2478                      2325          DC    X'2478'          PWLF  = 120                          VERISW
001224 FD96                      2326          DC    X'FD96'          DELAY 15 SECS   TIME = 85 SECS       VERISW
001226 2496                      2327          DC    X'2496'          PWLF  = 150                          VERISW
001228 FD96                      2328          DC    X'FD96'          DELAY 15 SECS   TIME = 100 SECS      VERISW
00122A 24B4                      2329          DC    X'24B4'          PWLF  = 180                          VERISW
00122C FD96                      2330          DC    X'FD96'          DELAY 15 SECS   TIME = 115 SECS      VERISW
00122E 24D2                      2331          DC    X'24D2'          PWLF  = 210                          VERISW
001230 FD96                      2332          DC    X'FD96'          DELAY 15 SECS   TIME = 130 SECS      VERISW
001232 24F0                      2333          DC    X'24F0'          PWLF  = 240                          VERISW
001234 FD96                      2334          DC    X'FD96'          DELAY 15 SECS   TIME = 145 SECS      VERISW
001236 24FF                      2335          DC    X'24FF'          PWLF  = 255                          VERISW
001238 FAFE                      2336          DC    X'FAFE'        END PWL4                               VERISW
00123A FA40                      2337          DC    X'FA4D'      -->START EPE4  (FOW0d A-4)               VERISW
00123C FD8C                      2338          DC    X'FD8C'          DELAY 14 SECS   TIME = 15 SECS       VERISW
00123E 1200                      2339          DC    X'1200'          EPEENG= 0                            VERISW
001240 1401                      2340          DC    X'1401'          EPEFIX= 1                            VERISW
001242 FD32                      2341          DC    X'FD32'          DELAY 5 SECS    TIME = 19 SECS       VERISW
001244 1400                      2342          DC    X'1400'          EPEFIX= 0                            VERISW
001246 FD64                      2343          DC    X'FD64'          DELAY 10 SECS   TIME = 29 SECS       VERISW
001248 1201                      2344          DC    X'1201'          EPEENG= 1                            VERISW
00124A 1401                      2345          DC    X'1401'          EPEFIX= 1                            VERISW
00124C FD32                      2346          DC    X'FD32'          DELAY 5 SECS    TIME = 34 SECS       VERISW
00124E 1400                      2347          DC    X'1400'          EPEFIX= 0                            VERISW
001250 FD64                      2348          DC    X'FD64'          DELAY 10 SECS   TIME = 44 SECS       VERISW
001252 1202                      2349          DC    X'1202'          EPEENG= 2                            VERISW
001254 1401                      2350          DC    X'1401'          EPEFIX= 1                            VERISW
001256 FD32                      2351          DC    X'FD32'          DELAY 5 SECS    TIME = 49 SECS       VERISW
001258 1400                      2352          DC    X'1400'          EPEFIX= 0                            VERISW
00125A FD64                      2353          DC    X'FD64'          DELAY 10 SECS   TIME = 59 SECS       VERISW
00125C 1203                      2354          DC    X'1203'          EPEENG= 3                            VERISW
00125E 1401                      2355          DC    X'1401'          EPEFIX= 1                            VERISW
001260 FD32                      2356          DC    X'FD32'          DELAY 5 SECS    TIME = 64 SECS       VERISW
001262 1400                      2357          DC    X'1400'          EPEFIX= 0                            VERISW
001264 FD64                      2358          DC    X'FD64'          DELAY 10 SECS   TIME = 74 SECS       VERISW
001266 1204                      2359          DC    X'1204'          EPEENG= 4                            VERISW
001268 1401                      2360          DC    X'1401'          EPEFIX= 1                            VERISW
00126A FD32                      2361          DC    X'FD32'          DELAY 5 SECS    TIME = 79 SECS       VERISW
00126C 1400                      2362          DC    X'1400'          EPEFIX= 0                            VERISW
00126E FD64                      2363          DC    X'FD64'          DELAY 10 SECS   TIME = 89 SECS       VERISW
001270 1205                      2364          DC    X'1205'          EPEENG= 5                            VERISW
001272 1401                      2365          DC    X'1401'          EPEFIX= 1                            VERISW
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LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT F22NOV74 10/14/81

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001274 FD32                2366        DC    X'FD32'          DELAY 5 SECS    TIME = 94 SECS      VERISW
001276 1400                2367        DC    X'1400'          EPEFIX= 0                           VERISW
001278 FD64                2368        DC    X'FD64'          DELAY 10 SECS   TIME = 104 SECS     VERISW
00127A 1206                2369        DC    X'1206'          EPEENG= 6                           VERISW
00127C 1401                2370        DC    X'1401'          EPEFIX= 1                           VERISW
00127E FD32                2371        DC    X'FD32'          DELAY 5 SECS    TIME = 109 SECS     VERISW
001280 1400                2372        DC    X'1400'          EPEFIX= 0                           VERISW
001282 FD64                2373        DC    X'FD64'          DELAY 10 SECS   TIME = 119 SECS     VERISW
001284 1207                2374        DC    X'1207'          EPEENG= 7                           VERISW
001286 1401                2375        DC    X'1401'          EPEFIX= 1                           VERISW
001288 FD32                2376        DC    X'FD32'          DELAY 5 SECS    TIME = 124 SECS     VERISW
00128A 1400                2377        DC    X'1400'          EPEFIX= 0                           VERISW
00128C FD64                2378        DC    X'FD64'          DELAY 10 SECS   TIME = 134 SECS     VERISW
00128E 1208                2379        DC    X'1208'          EPEENG= 8                           VERISW
001290 1401                2380        DC    X'1401'          EPEFIX= 1                           VERISW
001292 FD32                2381        DC    X'FD32'          DELAY 5 SECS    TIME = 139 SECS     VERISW
001294 1400                2382        DC    X'1400'          EPEFIX= 0                           VERISW
001296 FAFE                2383        DC    X'FAFE'        END EPE4                              VERISW
001298 FA4E                2384        DC    X'FA4E'      -->START PH05C (F0809 A-5C)             VERISW
00129A F400                2385        DC    X'F400'          DELAY 55                            VERISW
00129C 0226                2386        DC    X'0226'                                              VERISW
00129E 2E01                2387        DC    X'2E01'          PHOFL=1                             VERISW
0012A0 F400                2388        DC    X'F400'          DELAY 60 ECS    TIME = 60 SECS      VERISW
0012A2 0258                2389        DC    X'0258'                                              VERISW
0012A4 2E00                2390        DC    X'2E00'          PHOFL = 0                           VERISW
0012A6 F400                2391        DC    X'F400'          DELAY 58 SECS   TIME = 173 SECS     VERISW
0012A8 0244                2392        DC    X'0244'                                              VERISW
0012AA 2D09                2393        DC    X'2D09'          PHOAG = 9                           VERISW
0012AC F400                2394        DC    X'F400'          DELAY 60 SECS   TIME = 233 SECS     VERISW
0012AE 0258                2395        DC    X'0258'                                              VERISW
0012B0 2D06                2396        DC    X'2D06'          PHOAG = 6                           VERISW
0012B2 FAFE                2397        DC    X'FAFE'        END PH05C                             VERISW
0012B4 FA4F                2398        DC    X'FA4F'      -->START EPE5C (F0809 A-5C)             VERISW
0012B6 FDE2                2399        DC    X'FDE2'          DELAY 13 SECS   TIME = 13 SECS      VERISW
0012B8 1200                2400        DC    X'1200'          EPEENG= 0                           VERISW
0012BA 1401                2401        DC    X'1401'          EPEFIX= 1                           VERISW
0012BC FD5A                2402        DC    X'FD5A'          DELAY 9 SECS    TIME = 22 SECS      VERISW
0012BE 1400                2403        DC    X'1400'          EPEFIX= 0                           VERISW
0012C0 FD3C                2404        DC    X'FD3C'          DELAY 6 SECS    TIME = 28 SECS      VERISW
0012C2 1401                2405        DC    X'1401'          EPEFIX= 1                           VERISW
0012C4 FD5A                2406        DC    X'FD5A'          DELAY 9 SECS    TIME = 37 SECS      VERISW
0012C6 1400                2407        DC    X'1400'          EPEFIX= 0                           VERISW
0012C8 FD3C                2408        DC    X'FD3C'          DELAY 6 SECS    TIME = 43 SECS      VERISW
0012CA 1401                2409        DC    X'1401'          EPEFIX= 1                           VERISW
0012CC FD5A                2410        DC    X'FD5A'          DELAY 9 SECS    TIME = 52 SECS      VERISW
0012CE 1400                2411        DC    X'1400'          EPEFIX= 0                           VERISW
0012D0 FDD2                2412        DC    X'FDD2'          DELAY 21 SECS   TIME = 73 SECS      VERISW
0012D2 1203                2413        DC    X'1203'          EPEENG= 3                           VERISW
0012D4 1401                2414        DC    X'1401'          EPEFIX= 1                           VERISW
0012D6 FD5A                2415        DC    X'FD5A'          DELAY 9 SECS    TIME = 82 SECS      VERISW
0012D8 1400                2416        DC    X'1400'          EPEFIX= 0                           VERISW
0012DA FD3C                2417        DC    X'FD3C'          DELAY 6 SECS    TIME = 88 SECS      VERISW
0012DC 1205                2418        DC    X'1205'          EPEENG= 5                           VERISW
0012DE 1401                2419        DC    X'1401'          EPEFIX= 1                           VERISW
0012E0 FD5A                2420        DC    X'FD5A'          DELAY 9 SECS    TIME = 97 SECS      VERISW
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 LOC  OBJECT CODE    ADDR1 ADDR2  STMT   SOURCE STATEMENT                                F22NOV74  10/14/81

0012E2 1400                       2421          DC    X'1400'          EPEFIX= 0                                VERISW
0012E4 FD3C                       2422          DC    X'FD3C'          DELAY 6 SECS   TIME = 103 SECS           VERISW
0012E6 1207                       2423          DC    X'1207'          EPEENG= 7                                VERISW
0012E8 1401                       2424          DC    X'1401'          EPEFIX= 1                                VERISW
0012EA FD5A                       2425          DC    X'FD5A'          DELAY 9 SECS   TIME = 112 SECS           VERISW
0012EC 1400                       2426          DC    X'1400'          EPEFIX= 0                                VERISW
0012EE FDD2                       2427          DC    X'FDD2'          DELAY 21 SECS  TIME = 133 SECS           VERISW
0012F0 1206                       2428          DC    X'1206'          EPEENG= 6                                VERISW
0012F2 1401                       2429          DC    X'1401'          EPEFIX= 1                                VERISW
0012F4 FD5A                       2430          DC    X'FD5A'          DELAY 9 SECS   TIME = 142 SECS           VERISW
0012F6 1400                       2431          DC    X'1400'          EPEFIX= 0                                VERISW
0012F8 FD3C                       2432          DC    X'FD3C'          DELAY 6 SECS   TIME = 148 SECS           VERISW
0012FA 120A                       2433          DC    X'120A'          EPEENG= 10                               VERISW
0012FC 1401                       2434          DC    X'1401'          EPEFIX= 1                                VERISW
0012FE FD5A                       2435          DC    X'FD5A'          DELAY 9 SECS   TIME = 157 SECS           VERISW
001300 1400                       2436          DC    X'1400'          EPEFIX= 0                                VERISW
001302 FD3C                       2437          DC    X'FD3C'          DELAY 6 SECS   TIME = 163 SECS           VERISW
001304 120F                       2438          DC    X'120F'          EPEENG= 15                               VERISW
001306 1401                       2439          DC    X'1401'          EPEFIX= 1                                VERISW
001308 FD5A                       2440          DC    X'FD5A'          DELAY 9 SECS   TIME = 172 SECS           VERISW
00130A 1400                       2441          DC    X'1400'          EPEFIX= 0                                VERISW
00130C FDD2                       2442          DC    X'FDD2'          DELAY 21 SECS  TIME = 193 SECS           VERISW
00130E 1209                       2443          DC    X'1209'          EPEENG= 9                                VERISW
001310 1401                       2444          DC    X'1401'          EPEFIX= 1                                VERISW
001312 FD5A                       2445          DC    X'FD5A'          DELAY 9 SECS   TIME = 202 SECS           VERISW
001314 1400                       2446          DC    X'1400'          EPEFIX= 0                                VERISW
001316 FD3C                       2447          DC    X'FD3C'          DELAY 6 SECS   TIME = 208 SECS           VERISW
001318 120F                       2448          DC    X'120F'          EPEENG= 15                               VERISW
00131A 1401                       2449          DC    X'1401'          EPEFIX= 1                                VERISW
00131C FD5A                       2450          DC    X'FD5A'          DELAY 9 SECS   TIME = 217 SECS           VERISW
00131E 1400                       2451          DC    X'1400'          EPEFIX= 0                                VERISW
001320 FD3C                       2452          DC    X'FD3C'          DELAY 6 SECS   TIME = 223 SECS           VERISW
001322 1217                       2453          DC    X'1217'          EPEENG= 23                               VERISW
001324 1401                       2454          DC    X'1401'          EPEFIX= 1                                VERISW
001326 FD5A                       2455          DC    X'FD5A'          DELAY 9 SECS   TIME = 232 SECS           VERISW
001328 1400                       2456          DC    X'1400'          EPEFIX= 0                                VERISW
00132A FDD2                       2457          DC    X'FDD2'          DELAY 21 SECS  TIME = 253 SECS           VERISW
00132C 120C                       2458          DC    X'120C'          EPEENG= 12                               VERISW
00132E 1401                       2459          DC    X'1401'          EPEFIX= 1                                VERISW
001330 FD5A                       2460          DC    X'FD5A'          DELAY 9 SECS   TIME = 262 SECS           VERISW
001332 1400                       2461          DC    X'1400'          EPEFIX= 0                                VERISW
001334 FD3C                       2462          DC    X'FD3C'          DELAY 6 SECS   TIME = 268 SECS           VERISW
001336 1215                       2463          DC    X'1215'          EPEENG= 21                               VERISW
001338 1401                       2464          DC    X'1401'          EPEFIX= 1                                VERISW
00133A FD5A                       2465          DC    X'FD5A'          DELAY 9 SECS   TIME = 277 SECS           VERISW
00133C 1400                       2466          DC    X'1400'          EPEFIX= 0                                VERISW
00133E FD3C                       2467          DC    X'FD3C'          DELAY 6 SECS   TIME = 283 SECS           VERISW
001340 121F                       2468          DC    X'121F'          EPEENG= 31                               VERISW
001342 1401                       2469          DC    X'1401'          EPEFIX= 1                                VERISW
001344 FD5A                       2470          DC    X'FD5A'          DELAY 9 SECS   TIME = 292 SECS           VERISW
001346 1400                       2471          DC    X'1400'          EPEFIX= 0                                VERISW
001348 FAFE                       2472          DC    X'FAFE'        END EPE5C                                  VERISW
00134A FA50                       2473          DC    X'FA50'        -->START EPE6  (FD#10 A-E)                 VERISW
00134C FD64                       2474          DC    X'FD64'          DELAY 10 SECS  TIME = 10 SECS            VERISW
00134E 1200                       2475          DC    X'1200'          EPEENG= 0                                VERISW
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LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT			F22NUV74	10/14/81
001350	1401			2476	DC	X'1401'	EPEFIX= 1		VER1SN
001352	FD64			2477	DC	X'FD64'	DELAY 10 SECS TIME = 20 SECS		VER1SN
001354	1400			2478	DC	X'1400'	EPEFIX= 0		VER1SN
001356	FD32			2479	DC	X'FD32'	DELAY 5 SECS TIME = 25 SECS		VER1SN
001358	1401			2480	DC	X'1401'	EPEFIX= 1		VER1SN
00135A	FD64			2481	DC	X'FD64'	DELAY 10 SECS TIME = 35 SECS		VER1SN
00135C	1400			2482	DC	X'1400'	EPEFIX= 0		VER1SN
00135E	FD32			2483	DC	X'FD32'	DELAY 5 SECS TIME = 40 SECS		VER1SN
001360	1401			2484	DC	X'1401'	EPEFIX= 1		VER1SN
001362	FD64			2485	DC	X'FD64'	DELAY 10 SECS TIME = 50 SECS		VER1SN
001364	1400			2486	DC	X'1400'	EPEFIX= 0		VER1SN
001366	FDC8			2487	DC	X'FDC8'	DELAY 20 SECS TIME = 70 SECS		VER1SN
001368	1203			2488	DC	X'1203'	EPEENG= 3		VER1SN
00136A	1401			2489	DC	X'1401'	EPEFIX= 1		VER1SN
00136C	FD64			2490	DC	X'FD64'	DELAY 10 SECS TIME = 80 SECS		VER1SN
00136E	1400			2491	DC	X'1400'	EPEFIX= 0		VER1SN
001370	FD32			2492	DC	X'FD32'	DELAY 5 SECS TIME = 85 SECS		VER1SN
001372	1205			2493	DC	X'1205'	EPEENG= 5		VER1SN
001374	1401			2494	DC	X'1401'	EPEFIX= 1		VER1SN
001376	FD64			2495	DC	X'FD64'	DELAY 10 SECS TIME = 95 SECS		VER1SN
001378	1400			2496	DC	X'1400'	EPEFIX= 0		VER1SN
00137A	FD32			2497	DC	X'FD32'	DELAY 5 SECS TIME = 100 SECS		VER1SN
00137C	1207			2498	DC	X'1207'	EPEENG= 7		VER1SN
00137E	1401			2499	DC	X'1401'	EPEFIX= 1		VER1SN
001380	FD64			2500	DC	X'FD64'	DELAY 10 SECS TIME = 110 SECS		VER1SN
001382	1400			2501	DC	X'1400'	EPEFIX= 0		VER1SN
001384	FDC8			2502	DC	X'FDC8'	DELAY 20 SECS TIME = 130 SECS		VER1SN
001386	1206			2503	DC	X'1206'	EPEENG= 6		VER1SN
001388	1401			2504	DC	X'1401'	EPEFIX= 1		VER1SN
00138A	FD64			2505	DC	X'FD64'	DELAY 10 SECS TIME = 140 SECS		VER1SN
00138C	1400			2506	DC	X'1400'	EPEFIX= 0		VER1SN
00138E	FD32			2507	DC	X'FD32'	DELAY 5 SECS TIME = 145 SECS		VER1SN
001390	120A			2508	DC	X'120A'	EPEENG= 10		VER1SN
001392	1401			2509	DC	X'1401'	EPEFIX= 1		VER1SN
001394	FD64			2510	DC	X'FD64'	DELAY 10 SECS TIME = 155 SECS		VER1SN
001396	1400			2511	DC	X'1400'	EPEFIX= 0		VER1SN
001398	FD32			2512	DC	X'FD32'	DELAY 5 SECS TIME = 160 SECS		VER1SN
00139A	120F			2513	DC	X'120F'	EPEENG= 15		VER1SN
00139C	1401			2514	DC	X'1401'	EPEFIX= 1		VER1SN
00139E	FD64			2515	DC	X'FD64'	DELAY 10 SECS TIME = 170 SECS		VER1SN
0013A0	1400			2516	DC	X'1400'	EPEFIX= 0		VER1SN
0013A2	FDC8			2517	DC	X'FDC8'	DELAY 20 SECS TIME = 190 SECS		VER1SN
0013A4	1209			2518	DC	X'1209'	EPEENG= 9		VER1SN
0013A6	1401			2519	DC	X'1401'	EPEFIX= 1		VER1SN
0013A8	FD64			2520	DC	X'FD64'	DELAY 10 SECS TIME = 200 SECS		VER1SN
0013AA	1400			2521	DC	X'1400'	EPEFIX= 0		VER1SN
0013AC	FD32			2522	DC	X'FD32'	DELAY 5 SECS TIME = 205 SECS		VER1SN
0013AE	120F			2523	DC	X'120F'	EPEENG= 15		VER1SN
0013B0	1401			2524	DC	X'1401'	EPEFIX= 1		VER1SN
0013B2	FD64			2525	DC	X'FD64'	DELAY 10 SECS TIME = 215 SECS		VER1SN
0013B4	1400			2526	DC	X'1400'	EPEFIX= 0		VER1SN
0013B6	FD32			2527	DC	X'FD32'	DELAY 5 SECS TIME = 220 SECS		VER1SN
0013B8	1217			2528	DC	X'1217'	EPEENG= 23		VER1SN
0013BA	1401			2529	DC	X'1401'	EPEFIX= 1		VER1SN
0013BC	FD64			2530	DC	X'FD64'	DELAY 10 SECS TIME = 230 SECS		VER1SN

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0013BE 1400                 2531        DC   X'1400'          EPEFIX = 0                                    VERISW
0013C0 FDC8                 2532        DC   X'FDC8'          DELAY 20 SECS  TIME = 250 SECS                VERISW
0013C2 120C                 2533        DC   X'120C'          EPEENG= 12                                    VERISW
0013C4 1401                 2534        DC   X'1401'          EPEFIX = 1                                    VERISW
0013C6 FD5A                 2535        DC   X'FD5A'          DELAY 10 SECS  TIME = 260 SECS                VERISW
0013C8 1400                 2536        DC   X'1400'          EPEFIX= 0                                     VERISW
0013CA FD32                 2537        DC   X'FD32'          DELAY 5 SECS   TIME = 265 SECS                VERISW
0013CC 1215                 2538        DC   X'1215'          EPEENG= 21                                    VERISW
0013CE 1401                 2539        DC   X'1401'          EPEFIX= 1                                     VERISW
0013D0 FD64                 2540        DC   X'FD64'          DELAY 10 SECS  TIME = 275 SECS                VERISW
0013D2 1400                 2541        DC   X'1400'          EPEFIX= 0                                     VERISW
0013D4 FD32                 2542        DC   X'FD32'          DELAY 5 SECS   TIME = 280 SECS                VERISW
0013D6 121F                 2543        DC   X'121F'          EPEENG= 31                                    VERISW
0013D8 1401                 2544        DC   X'1401'          EPEFIX= 1                                     VERISW
0013DA FD64                 2545        DC   X'FD64'          DELAY 10 SECS  TIME = 290 SECS                VERISW
0013DC 1400                 2546        DC   X'1400'          EPEFIX= 0                                     VERISW
0013DE FAFE                 2547        DC   X'FAFE'        END EPE6                                        VERISW
0013E0 FA51                 2548        DC   X'FA51'      -->START MTVSLV                                   VERISW
0013E2 087F                 2549        DC   X'087F'        SLV = 0                                         VERISW
0013E4 FAFE                 2550        DC   X'FAFE'      END MTVSLV                                        VERISW
0013E6 FA52                 2551        DC   X'FA52'      -->START MTVCK1                                   VERISW
0013E8 0C01                 2552        DC   X'0C01'        LENCS=1                                         VERISW
0013EA 0901                 2553        DC   X'0901'        LENISL=1                                        VERISW
0013EC 0800                 2554        DC   X'0800'        VIDEOH=0                                        VERISW
0013EE 0A01                 2555        DC   X'0A01'        SENSL=1                                         VERISW
0013F0 077F                 2556        DC   X'077F'        LENIS=0.0V                                      VERISW
0013F2 087F                 2557        DC   X'087F'        SENAD=0.0V                                      VERISW
0013F4 0D01                 2558        DC   X'0D01'        TEST=1                                          VERISW
0013F6 FAFE                 2559        DC   X'FAFE'                                                        VERISW
0013F8 FA53                 2560        DC   X'FA53'      -->START SFO5N1                                   VERISW
0013FA F7C7                 2561        DC   X'F7C7'        SET PARMS                                       VERISW
0013FC 000A                 2562        DC   X'000A'          PW=.1                                         VERISW
0013FE FAFE                 2563        DC   X'FAFE'      END SFO5N1                                        VERISW
001400 FA54                 2564        DC   X'FA54'      -->START TIMTGI                                   VERISW
001402 0D01                 2565        DC   X'0D01'        TEST=1                                          VERISW
001404 1701                 2566        DC   X'1701'        EPVCAL=1                                        VERISW
001406 FD0A                 2567        DC   X'FD0A'        DELAY 1.0                                       VERISW
001408 0D00                 2568        DC   X'0D00'        TEST=0                                          VERISW
00140A 1700                 2569        DC   X'1700'        EPVCAL=0                                        VERISW
00140C FAFE                 2570        DC   X'FAFE'      END DGA1A                                         VERISW
00140E FA55                 2571        DC   X'FA55'      -->START FO5ILV                                   VERISW
001410 0711                 2572        DC   X'0711'        ILV=13.0                                        VERISW
001412 FAFE                 2573        DC   X'FAFE'      END FO5ILV                                        VERISW
001414 FA56                 2574        DC   X'FA56'      --->START AIAFIR                                  VERISW
001416 FD8C                 2575        DC   X'FD8C'        DELAY 14.0                                      VERISW
001418 F705                 2576        DC   X'F705'        SET PARMS                                       VERISW
00141A 000A                 2577        DC   X'000A'          EBAV=1.0KV                                    VERISW
00141C F706                 2578        DC   X'F706'        SET PARMS                                       VERISW
00141E 0005                 2579        DC   X'0005'          EBAI=.05A                                     VERISW
001420 F7C7                 2580        DC   X'F707'        SET PARMS                                       VERISW
001422 01F4                 2581        DC   X'01F4'          PW=5.0                                        VERISW
001424 F930                 2582        DC   X'F930'        CALL EBAFIR                                     VERISW
001426 FD96                 2583        DC   X'FD96'        DELAY 15                                        VERISW
001428 F930                 2584        DC   X'F930'        CALL EBAFIR                                     VERISW
00142A FD96                 2585        DC   X'FD96'        DELAY 15                                        VERISW
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00142C F930          2586        DC    X'F930'    CALL EBAFIR                VERISW
00142E FD96          2587        DC    X'FD96'    DELAY 15                   VERISW
001430 FD96          2588        DC    X'FD96'    DELAY 15                   VERISW
001432 F7C5          2589        DC    X'F7C5'    SET PARMS                  VERISW
001434 0014          2590        DC    X'0014'      EBAV=2.0KV               VERISW
001436 F930          2591        DC    X'F930'    CALL EBAFIR                VERISW
001438 FD96          2592        DC    X'FD96'    DELAY 15                   VERISW
00143A F706          2593        DC    X'F706'    SET PARMS                  VERISW
00143C 000A          2594        DC    X'000A'      EBAI=.1A                 VERISW
00143E F930          2595        DC    X'F930'    CALL EBAFIR                VERISW
001440 FD96          2596        DC    X'FD96'    DELAY 15                   VERISW
001442 F706          2597        DC    X'F706'    SET PARMS                  VERISW
001444 0014          2598        DC    X'0014'      EBAI=.2A                 VERISW
001446 F930          2599        DC    X'F930'    CALL EBAFIR                VERISW
001448 FD96          2600        DC    X'FD96'    DELAY 15                   VERISW
00144A FD96          2601        DC    X'FD96'    DELAY 15                   VERISW
00144C F705          2602        DC    X'F705'    SET PARMS                  VERISW
00144E 001E          2603        DC    X'001E'      EBAV=3.0KV               VERISW
001450 F706          2604        DC    X'F706'    SET PARMS                  VERISW
001452 000A          2605        DC    X'000A'      EBAI=.1A                 VERISW
001454 F930          2606        DC    X'F930'    CALL EBAFIR                VERISW
001456 FD96          2607        DC    X'FD96'    DELAY 15                   VERISW
001458 F706          2608        DC    X'F706'    SET PARMS                  VERISW
00145A 0014          2609        DC    X'0014'      EBAI=.2A                 VERISW
00145C F930          2610        DC    X'F930'    CALL EBAFIR                VERISW
00145E FD96          2611        DC    X'FD96'    DELAY 15                   VERISW
001460 F706          2612        DC    X'F706'    SET PARMS                  VERISW
001462 001E          2613        DC    X'001E'      EBAI=.3A                 VERISW
001464 F930          2614        DC    X'F930'    CALL EBAFIR                VERISW
001466 FD96          2615        DC    X'FD96'    DELAY 15                   VERISW
001468 FD96          2616        DC    X'FD96'    DELAY 15                   VERISW
00146A F705          2617        DC    X'F705'    SET PARMS                  VERISW
00146C 0028          2618        DC    X'0028'      EBAV=4.0KV               VERISW
00146E F706          2619        DC    X'F706'    SET PARMS                  VERISW
001470 000A          2620        DC    X'000A'      EBAI=.1A                 VERISW
001472 F930          2621        DC    X'F930'    CALL EBAFIR                VERISW
001474 FD96          2622        DC    X'FD96'    DELAY 15                   VERISW
001476 F706          2623        DC    X'F706'    SET PARMS                  VERISW
001478 0014          2624        DC    X'0014'      EBAI=.2A                 VERISW
00147A F930          2625        DC    X'F930'    CALL EBAFIR                VERISW
00147C FD96          2626        DC    X'FD96'    DELAY 15                   VERISW
00147E F706          2627        DC    X'F706'    SET PARMS                  VERISW
001480 001E          2628        DC    X'001E'      EBAI=.3A                 VERISW
001482 F930          2629        DC    X'F930'    CALL EBAFIR                VERISW
001484 FD96          2630        DC    X'FD96'    DELAY 15                   VERISW
001486 FD96          2631        DC    X'FD96'    DELAY 15                   VERISW
001488 F705          2632        DC    X'F705'    SET PARMS                  VERISW
00148A 0032          2633        DC    X'0032'      EBAV=5.0KV               VERISW
00148C F706          2634        DC    X'F706'    SET PARMS                  VERISW
00148E 000A          2635        DC    X'000A'      EBAI=.1A                 VERISW
001490 F930          2636        DC    X'F930'    CALL EBAFIR                VERISW
001492 FD96          2637        DC    X'FD96'    DELAY 15                   VERISW
001494 F706          2638        DC    X'F706'    SET PARMS                  VERISW
001496 0014          2639        DC    X'0014'      EBAI=.2A                 VERISW
001498 F930          264C        DC    X'F930'    CALL EBAFIR                VERISW
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00149A FD96          2641        DC    X'FD96'      DELAY 15                    VERISW
00149C F706          2642        DC    X'F706'      SET PARMS                   VERISW
00149E 001E          2643        DC    X'001E'        EBAI=.3A                  VERISW
0014A0 F930          2644        DC    X'F930'      CALL EBAFIR                 VERISW
0014A2 FAFE          2645        DC    X'FAFE'      END A1AFIR                  VERISW
0014A4 FA57          2646        DC    X'FA57'      --->START A1BFIR            VERISW
0014A6 F987          2647        DC    X'F987'      CALL A1B01                  VERISW
0014A8 FD64          2648        DC    X'FD64'      DELAY 10                    VERISW
0014AA F705          2649        DC    X'F705'      SET PARMS                   VERISW
0014AC 001E          2650        DC    X'001E'        EBAV=3.0KV                VERISW
0014AE F989          2651        DC    X'F989'      CALL A1B03                  VERISW
0014B0 FD64          2652        DC    X'FD64'      DELAY 10                    VERISW
0014B2 F7C5          2653        DC    X'F705'      SET PARMS                   VERISW
0014B4 0032          2654        DC    X'0032'        EBAV=5.0KV                VERISW
0014B6 F989          2655        DC    X'F989'      CALL A1B03                  VERISW
0014B8 FD64          2656        DC    X'FD64'      DELAY 10                    VERISW
0014BA FAFE          2657        DC    X'FAFE'      END A1BFIR                  VERISW
0014BC FA58          2658        DC    X'FA58'      --->START A2FIR             VERISW
0014BE FD8C          2659        DC    X'FD8C'        DELAY 14.0                VERISW
0014C0 F705          2660        DC    X'F705'      SET PARMS                   VERISW
0014C2 001E          2661        DC    X'001E'        EBAV=3.0KV                VERISW
0014C4 F706          2662        DC    X'F706'      SET PARMS                   VERISW
0014C6 000A          2663        DC    X'000A'        EBAI=.1A                  VERISW
0014C8 F7C7          2664        DC    X'F707'      SET PARMS                   VERISW
0014CA 01F4          2665        DC    X'01F4'        PW=5.0                    VERISW
0014CC F930          2666        DC    X'F930'      CALL EBAFIR                 VERISW
0014CE FD96          2667        DC    X'FD96'        DELAY 15.0                VERISW
0014D0 F706          2668        DC    X'F706'      SET PARMS                   VERISW
0014D2 0014          2669        DC    X'0014'        EBAI=.2A                  VERISW
0014D4 F930          2670        DC    X'F930'      CALL EBAFIR                 VERISW
0014D6 FD96          2671        DC    X'FD96'        DELAY 15.0                VERISW
0014D8 F706          2672        DC    X'F706'      SET PARMS                   VERISW
0014DA 001E          2673        DC    X'001E'        EBAI=.3A                  VERISW
0014DC F930          2674        DC    X'F930'      CALL EBAFIR                 VERISW
0014DE FD96          2675        DC    X'FD96'        DELAY 15.0                VERISW
0014E0 FD96          2676        DC    X'FD96'        DELAY 15.0                VERISW
0014E2 F7C5          2677        DC    X'F705'      SET PARMS                   VERISW
0014E4 0028          2678        DC    X'0028'        EBAV=4.0KV                VERISW
0014E6 F706          2679        DC    X'F706'      SET PARMS                   VERISW
0014E8 000A          2680        DC    X'000A'        EBAI=.1A                  VERISW
0014EA F930          2681        DC    X'F930'      CALL EBAFIR                 VERISW
0014EC FD96          2682        DC    X'FD96'        DELAY 15.0                VERISW
0014EE F706          2683        DC    X'F706'      SET PARMS                   VERISW
0014F0 0014          2684        DC    X'0014'        EBAI=.2A                  VERISW
0014F2 F930          2685        DC    X'F930'      CALL EBAFIR                 VERISW
0014F4 FD96          2686        DC    X'FD96'        DELAY 15.0                VERISW
0014F6 F706          2687        DC    X'F706'      SET PARMS                   VERISW
0014F8 001E          2688        DC    X'001E'        EBAI=.3A                  VERISW
0014FA F930          2689        DC    X'F930'      CALL EBAFIR                 VERISW
0014FC FD96          2690        DC    X'FD96'        DELAY 15.0                VERISW
0014FE FD96          2691        DC    X'FD96'        DELAY 15.0                VERISW
001500 F705          2692        DC    X'F705'      SET PARMS                   VERISW
001502 0032          2693        DC    X'0032'        EBAV=5.0KV                VERISW
001504 F706          2694        DC    X'F706'      SET PARMS                   VERISW
001506 000A          2695        DC    X'000A'        EBAI=.1A                  VERISW
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001508 F930          2696        DC    X'F930'        CALL EBAFIR                VERISW
00150A FD96          2697        DC    X'FD96'         DELAY 15.0                VERISW
00150C F706          2698        DC    X'F706'        SET PARMS                  VERISW
00150E 0014          2699        DC    X'0014'          EBAI=.2A                 VERISW
001510 F930          2700        DC    X'F930'        CALL EBAFIR                VERISW
001512 FD96          2701        DC    X'FD96'         DELAY 15.0                VERISW
001514 F706          2702        DC    X'F706'        SET PARMS                  VERISW
001516 001E          2703        DC    X'001E'          EBAI=.3A                 VERISW
001518 F930          2704        DC    X'F930'        CALL EBAFIR                VERISW
00151A FD96          2705        DC    X'FD96'         DELAY 15.0                VERISW
00151C FD96          2706        DC    X'FD96'         DELAY 15.0                VERISW
00151E F705          2707        DC    X'F705'        SET PARMS                  VERISW
001520 001E          2708        DC    X'001E'          EBAV=3.0KV               VERISW
001522 F706          2709        DC    X'F706'        SET PARMS                  VERISW
001524 000A          2710        DC    X'000A'          EBAI=.1A                 VERISW
001526 F930          2711        DC    X'F930'        CALL EBAFIR                VERISW
001528 FD96          2712        DC    X'FD96'         DELAY 15.0                VERISW
00152A F706          2713        DC    X'F706'        SET PARMS                  VERISW
00152C 0014          2714        DC    X'0014'          EBAI=.2A                 VERISW
00152E F930          2715        DC    X'F930'        CALL EBAFIR                VERISW
001530 FD96          2716        DC    X'FD96'         DELAY 15.0                VERISW
001532 F706          2717        DC    X'F706'        SET PARMS                  VERISW
001534 001E          2718        DC    X'001E'          EBAI=.3A                 VERISW
001536 F930          2719        DC    X'F930'        CALL EBAFIR                VERISW
001538 FD96          2720        DC    X'FD96'         DELAY 15.0                VERISW
00153A FD96          2721        DC    X'FD96'         DELAY 15.0                VERISW
00153C F705          2722        DC    X'F705'        SET PARMS                  VERISW
00153E 0032          2723        DC    X'0032'          EBAV=5.0KV               VERISW
001540 F706          2724        DC    X'F706'        SET PARMS                  VERISW
001542 000A          2725        DC    X'000A'          EBAI=.1A                 VERISW
001544 F930          2726        DC    X'F930'        CALL EBAFIR                VERISW
001546 FD96          2727        DC    X'FD96'         DELAY 15.0                VERISW
001548 F706          2728        DC    X'F706'        SET PARMS                  VERISW
00154A 0014          2729        DC    X'0014'          EBAI=.2A                 VERISW
00154C F930          2730        DC    X'F930'        CALL EBAFIR                VERISW
00154E FD96          2731        DC    X'FD96'         DELAY 15.0                VERISW
001550 F706          2732        DC    X'F706'        SET PARMS                  VERISW
001552 001E          2733        DC    X'001E'          EBAI=.3A                 VERISW
001554 F930          2734        DC    X'F930'        CALL EBAFIR                VERISW
001556 FD96          2735        DC    X'FD96'         DELAY 15.0                VERISW
001558 FD96          2736        DC    X'FD96'         DELAY 15.0                VERISW
00155A FAFE          2737        DC    X'FAFE'        END A2FIR                  VERISW
00155C FA59          2738        DC    X'FA59'      -->START SF05NO              VERISW
00155E F707          2739        DC    X'F707'          SET PARMS                VERISW
001560 0001          2740        DC    X'0001'            PW=.01                 VERISW
001562 FAFE          2741        DC    X'FAFE'                                   VERISW
001564 FA5A          2742        DC    X'FA5A'      --->START A4FIR              VERISW
001566 F90B          2743        DC    X'F90B'          CALL MPDSET              VERISW
001568 FD96          2744        DC    X'FD96'          DELAY 15                 VERISW
00156A F90B          2745        DC    X'F90B'          CALL MPDSET              VERISW
00156C FD96          2746        DC    X'FD96'          DELAY 15                 VERISW
00156E F90B          2747        DC    X'F90B'          CALL MPDSET              VERISW
001570 FD96          2748        DC    X'FD96'          DELAY 15                 VERISW
001572 F90B          2749        DC    X'F90B'          CALL MPDSET              VERISW
001574 FD96          2750        DC    X'FD96'          DELAY 15                 VERISW
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001576 F90B                    2751        DC    X'F90B'      CALL MPDSET                VERISW
001578 FD96                    2752        DC    X'FD96'      DELAY 15                   VERISW
00157A F90B                    2753        DC    X'F90B'      CALL MPDSET                VERISW
00157C FD96                    2754        DC    X'FD96'      DELAY 15                   VERISW
00157E F90B                    2755        DC    X'F90B'      CALL MPDSET                VERISW
001580 FD96                    2756        DC    X'FD96'      DELAY 15                   VERISW
001582 F90B                    2757        DC    X'F90B'      CALL MPDSET                VERISW
001584 FD96                    2758        DC    X'FD96'      DELAY 15                   VERISW
001586 F90B                    2759        DC    X'F90B'      CALL MPDSET                VERISW
001588 FD96                    2760        DC    X'FD96'      DELAY 15                   VERISW
00158A FAFE                    2761        DC    X'FAFE'      END A4FIR                  VERISW
00158C FA5B                    2762        DC    X'FA5B'      --->START A5AFIR           VERISW
00158E FD8C                    2763        DC    X'FD8C'      DELAY 14.0                 VERISW
001590 F705                    2764        DC    X'F705'      SET PARMS                  VERISW
001592 001E                    2765        DC    X'001E'        EBAV=3.0KV               VERISW
001594 F706                    2766        DC    X'F706'      SET PARMS                  VERISW
001596 0028                    2767        DC    X'0028'        EBAI=.4A                 VERISW
001598 F7C7                    2768        DC    X'F707'      SET PARMS                  VERISW
00159A 0032                    2769        DC    X'0032'        PW=.5                    VERISW
00159C F930                    2770        DC    X'F930'      CALL EBAFIR                VERISW
00159E FD14                    2771        DC    X'FD14'      DELAY 2.0                  VERISW
0015A0 F930                    2772        DC    X'F930'      CALL EBAFIR                VERISW
0015A2 FD14                    2773        DC    X'FD14'      DELAY 2.0                  VERISW
0015A4 F930                    2774        DC    X'F930'      CALL EBAFIR                VERISW
0015A6 FD6E                    2775        DC    X'FD6E'      DELAY 11                   VERISW
0015A8 F705                    2776        DC    X'F705'      SET PARMS                  VERISW
0015AA 0032                    2777        DC    X'0032'        EBAV=5.0KV               VERISW
0015AC F706                    2778        DC    X'F706'      SET PARMS                  VERISW
0015AE 0050                    2779        DC    X'0050'        EBAI=.8A                 VERISW
0015B0 F930                    2780        DC    X'F930'      CALL EBAFIR                VERISW
0015B2 FD14                    2781        DC    X'FD14'      DELAY 2.0                  VERISW
0015B4 F930                    2782        DC    X'F930'      CALL EBAFIR                VERISW
0015B6 FD14                    2783        DC    X'FD14'      DELAY 2.0                  VERISW
0015B8 F930                    2784        DC    X'F930'      CALL EBAFIR                VERISW
0015BA FD6E                    2785        DC    X'FD6E'      DELAY 11                   VERISW
0015BC F7C5                    2786        DC    X'F705'      SET PARMS                  VERISW
0015BE 004B                    2787        DC    X'004B'        EBAV=7.5KV               VERISW
0015C0 F706                    2788        DC    X'F706'      SET PARMS                  VERISW
0015C2 00A0                    2789        DC    X'00A0'        EBAI=1.6A                VERISW
0015C4 F930                    2790        DC    X'F930'      CALL EBAFIR                VERISW
0015C6 FD14                    2791        DC    X'FD14'      DELAY 2.0                  VERISW
0015C8 F930                    2792        DC    X'F930'      CALL EBAFIR                VERISW
0015CA FD14                    2793        DC    X'FD14'      DELAY 2.0                  VERISW
0015CC F930                    2794        DC    X'F930'      CALL EBAFIR                VERISW
0015CE FD14                    2795        DC    X'FD14'      DELAY 2.0                  VERISW
0015D0 FAFE                    2796        DC    X'FAFE'      END A5AFIR                 VERISW
0015D2 FA5C                    2797        DC    X'FA5C'      --->START A5BFIR           VERISW
0015D4 FD8C                    2798        DC    X'FD8C'      DELAY 14.0                 VERISW
0015D6 F705                    2799        DC    X'F705'      SET PARMS                  VERISW
0015D8 001E                    2800        DC    X'001E'        EBAV=3.0KV               VERISW
0015DA F706                    2801        DC    X'F706'      SET PARMS                  VERISW
0015DC 0028                    2802        DC    X'0028'        EBAI=.4A                 VERISW
0015DE F707                    2803        DC    X'F707'      SET PARMS                  VERISW
0015E0 C032                    2804        DC    X'0032'        PW=.5                    VERISW
0015E2 F930                    2805        DC    X'F930'      CALL EBAFIR                VERISW
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0015E4 FD96                2806        DC   X'FD96'          DELAY 15.0                    VERISW
0015E6 F705                2807        DC   X'F705'        SET PARMS                       VERISW
0015E8 C032                2808        DC   X'0032'          EBAV=5.0KV                    VERISW
0015EA F706                2809        DC   X'F706'        SET PARMS                       VERISW
0015EC 0050                2810        DC   X'0050'          EBAI=.8A                      VERISW
0015EE F930                2811        DC   X'F930'        CALL EBAFIR                     VERISW
0015F0 FD96                2812        DC   X'FD96'         DELAY 15.0                     VERISW
0015F2 F705                2813        DC   X'F705'        SET PARMS                       VERISW
0015F4 0048                2814        DC   X'0048'          EBAV=7.5KV                    VERISW
0015F6 F706                2815        DC   X'F706'        SET PARMS                       VERISW
0015F8 00A0                2816        DC   X'00A0'          EBAI=1.6A                     VERISW
0015FA F930                2817        DC   X'F930'        CALL EBAFIR                     VERISW
0015FC FAFE                2818        DC   X'FAFE'        END A5BFIR                      VERISW
0015FE FA5D                2819        DC   X'FA5D'   ---> START SMOEBA                     VERISW
001600 F70C                2820        DC   X'F70C'          SET PARMS                     VERISW
001602 8002                2821        DC   X'8002'            BV=PCF(2),BI=PCF(3)         VERISW
001604 F9C5                2822        DC   X'F905'           CALL EBABMV                   VERISW
001606 F904                2823        DC   X'F904'           CALL EBABMI                   VERISW
001608 F906                2824        DC   X'F906'           CALL EBAFCS                   VERISW
00160A F8C7                2825        DC   X'F807'           CALL EBADEF                   VERISW
00160C FAFE                2826        DC   X'FAFE'       END SMOEBA                        VERISW
00160E FA5E                2827        DC   X'FA5E'   ---> START A8FIR*                     VERISW
001610 F7C7                2828        DC   X'F707'        SET PARMS                       VERISW
001612 000A                2829        DC   X'000A'          PW=.1                         VERISW
001614 F705                2830        DC   X'F705'        SET PARMS                       VERISW
001616 0032                2831        DC   X'0032'          EBAV=5.0KV                    VERISW
001618 F706                2832        DC   X'F706'        SET PARMS                       VERISW
00161A 0032                2833        DC   X'0032'          EBAI=.5A                      VERISW
00161C F930                2834        DC   X'F930'        CALL EBAFIR                     VERISW
00161E FD1E                2835        DC   X'FD1E'        DELAY 3.0                       VERISW
001620 F705                2836        DC   X'F705'        SET PARMS                       VERISW
001622 0046                2837        DC   X'0046'          EBAV=7.0KV                    VERISW
001624 F706                2838        DC   X'F706'        SET PARMS                       VERISW
001626 0064                2839        DC   X'0064'          EBAI=1.0A                     VERISW
001628 F930                2840        DC   X'F930'        CALL EBAFIR                     VERISW
00162A FAFE                2841        DC   X'FAFE'          END A8FIR                     VERISW
00162C FA5F                2842        DC   X'FA5F'   --->START A7FIR                       VERISW
00162E F705                2843        DC   X'F705'        SET PARMS                       VERISW
001630 004B                2844        DC   X'0048'          EBAV=7.5KV                    VERISW
001632 F706                2845        DC   X'F706'        SET PARMS                       VERISW
001634 00A0                2846        DC   X'00A0'          EBAI=1.6A                     VERISW
001636 F7C7                2847        DC   X'F707'        SET PARMS                       VERISW
001638 8018                2848        DC   X'8018'          PW=.5          VIA PCF(24)    VERISW
00163A FD8C                2849        DC   X'FD8C'        DELAY 14.0                      VERISW
00163C F930                2850        DC   X'F930'        CALL EBAFIR                     VERISW
00163E FD96                2851        DC   X'FD96'         DELAY 15.0                     VERISW
001640 F930                2852        DC   X'F930'        CALL EBAFIR                     VERISW
001642 FD96                2853        DC   X'FD96'         DELAY 15.0                     VERISW
001644 F930                2854        DC   X'F930'        CALL EBAFIR                     VERISW
001646 FD96                2855        DC   X'FD96'         DELAY 15.0                     VERISW
001648 F930                2856        DC   X'F930'        CALL EBAFIR                     VERISW
00164A FD96                2857        DC   X'FD96'         DELAY 15.0                     VERISW
00164C F930                2858        DC   X'F930'        CALL EBAFIR                     VERISW
00164E FD96                2859        DC   X'FD96'         DELAY 15.0                     VERISW
001650 F930                2860        DC   X'F930'        CALL EBAFIR                     VERISW
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001652 FD96                2861        DC    X'FD96'          DELAY 15.0                VERISW
001654 F930                2862        DC    X'F930'          CALL EBAFIR               VERISW
001656 FD96                2863        DC    X'FD96'          DELAY 15.0                VERISW
001658 F930                2864        DC    X'F930'          CALL EBAFIR               VERISW
00165A FD96                2865        DC    X'FD96'          DELAY 15.0                VERISW
00165C F930                2866        DC    X'F930'          CALL EBAFIR               VERISW
00165E FD96                2867        DC    X'FD96'          DELAY 15.0                VERISW
001660 F930                2868        DC    X'F930'          CALL EBAFIR               VERISW
001662 FD96                2869        DC    X'FD96'          DELAY 15.0                VERISW
001664 F930                2870        DC    X'F930'          CALL EBAFIR               VERISW
001666 FD96                2871        DC    X'FD96'          DELAY 15.0                VERISW
001668 F930                2872        DC    X'F930'          CALL EBAFIR               VERISW
00166A FD96                2873        DC    X'FD96'          DELAY 15.0                VERISW
00166C F930                2874        DC    X'F930'          CALL EBAFIR               VERISW
00166E FD96                2875        DC    X'FD96'          DELAY 15.0                VERISW
001670 F930                2876        DC    X'F930'          CALL EBAFIR               VERISW
001672 FD96                2877        DC    X'FD96'          DELAY 15.0                VERISW
001674 F930                2878        DC    X'F930'          CALL EBAFIR               VERISW
001676 FD96                2879        DC    X'FD96'          DELAY 15.0                VERISW
001678 F930                2880        DC    X'F930'          CALL EBAFIR               VERISW
00167A FD96                2881        DC    X'FD96'          DELAY 15.0                VERISW
00167C F930                2882        DC    X'F930'          CALL EBAFIR               VERISW
00167E FD96                2883        DC    X'FD96'          DELAY 15.0                VERISW
001680 F930                2884        DC    X'F930'          CALL EBAFIR               VERISW
001682 FD96                2885        DC    X'FD96'          DELAY 15.0                VERISW
001684 F930                2886        DC    X'F930'          CALL EBAFIR               VERISW
001686 FAFE                2887        DC    X'FAFE'          END A8FIR                 VERISW
001688 FA60                2888        DC    X'FA60'          --->START A8FIR           VERISW
00168A F95E                2889        DC    X'F95E'          CALL A8FIR                VERISW
00168C FD32                2890        DC    X'FD32'          DELAY 5.0                 VERISW
00168E F95E                2891        DC    X'F95E'          CALL A8FIR                VERISW
001690 FD32                2892        DC    X'FD32'          DELAY 5.0                 VERISW
001692 F95E                2893        DC    X'F95E'          CALL A8FIR                VERISW
001694 FD32                2894        DC    X'FD32'          DELAY 5.0                 VERISW
001696 F95E                2895        DC    X'F95E'          CALL A8FIR                VERISW
001698 FD32                2896        DC    X'FD32'          DELAY 5.0                 VERISW
00169A F95E                2897        DC    X'F95E'          CALL A8FIR                VERISW
00169C FD32                2898        DC    X'FD32'          DELAY 5.0                 VERISW
00169E F95E                2899        DC    X'F95E'          CALL A8FIR                VERISW
0016A0 FD32                2900        DC    X'FD32'          DELAY 5.0                 VERISW
0016A2 F95E                2901        DC    X'F95E'          CALL A8FIR                VERISW
0016A4 FD32                2902        DC    X'FD32'          DELAY 5.0                 VERISW
0016A6 F95E                2903        DC    X'F95E'          CALL A8FIR                VERISW
0016A8 FD32                2904        DC    X'FD32'          DELAY 5.0                 VERISW
0016AA F95E                2905        DC    X'F95E'          CALL A8FIR                VERISW
0016AC FD32                2906        DC    X'FD32'          DELAY 5.0                 VERISW
0016AE F95E                2907        DC    X'F95E'          CALL A8FIR                VERISW
0016B0 FD32                2908        DC    X'FD32'          DELAY 5.0                 VERISW
0016B2 FAFE                2909        DC    X'FAFE'            END A8FIR               VERISW
0016B4 FA61                2910        DC    X'FA61'          -->START TIMTAG           VERISW
0016B6 0D00                2911        DC    X'0D00'            TEST  = 0               VERISW
0016B8 1700                2912        DC    X'1700'            EPVCAL= 0               VERISW
0016BA FD64                2913        DC    X'FD64'            DELAY 10 SECS           VERISW
0016BC 0D01                2914        DC    X'0D01'            TEST  = 1               VERISW
0016BE 1701                2915        DC    X'1701'            EPVCAL= 1               VERISW
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LOC  OBJECT CODE    ADDR1 ADDR2  STMT  SOURCE STATEMENT                    F22NOV74  10/14/81
0016C0 FD0A                      2916          DC    X'FD0A'      DELAY  1 SECS                VERISW
0016C2 0D00                      2917          DC    X'0D00'      TEST  = 0                     VERISW
0016C4 1700                      2918          DC    X'1700'      EPVCAL= 0                     VERISW
0016C6 FAFE                      2919          DC    X'FAFE'    END TIMTAG                      VERISW
0016C8 FA62                      2920          DC    X'FA62'    *START TIFIRO (NODE 0)          VERISW
0016CA 632D                      2921          DC    X'632D'      HTRADJ = 12.0A                VERISW
0016CC FD8C                      2922          DC    X'FD8C'      DELAY 14.0                    VERISW
0016CE F7C5                      2923          DC    X'F705'      SET PARMS                     VERISW
0016D0 0005                      2924          DC    X'0005'        EBAV = .5KV                 VERISW
0016D2 F706                      2925          DC    X'F706'      SET PARMS                     VERISW
0016D4 0001                      2926          DC    X'0001'        EBAI = .01A                 VERISW
0016D6 F7C7                      2927          DC    X'F707'      SET PARMS                     VERISW
0016D8 01F4                      2928          DC    X'01F4'        PW = 5.0                    VERISW
0016DA F708                      2929          DC    X'F708'      SET PARMS                     VERISW
0016DC 0000                      2930          DC    X'0000'        AF/BF=0                     VERISW
0016DE F930                      2931          DC    X'F930'      CALL EBAFIR                   VERISW
0016E0 FD96                      2932          DC    X'FD96'      DELAY 15.0                    VERISW
0016E2 F706                      2933          DC    X'F706'      SET PARMS                     VERISW
0016E4 0002                      2934          DC    X'0002'        EBAI=.02A                   VERISW
0016E6 F930                      2935          DC    X'F930'      CALL EBAFIR                   VERISW
0016E8 FD96                      2936          DC    X'FD96'      DELAY 15                      VERISW
0016EA F706                      2937          DC    X'F706'      CALL PARMS                    VERISW
0016EC 0003                      2938          DC    X'0003'        EBAI=.03A                   VERISW
0016EE F930                      2939          DC    X'F930'      CALL EBAFIR                   VERISW
0016F0 FD96                      2940          DC    X'FD96'      DELAY 15                      VERISW
0016F2 FD96                      2941          DC    X'FD96'      DELAY 15                      VERISW
0016F4 F706                      2942          DC    X'F706'      CALL PARMS                    VERISW
0016F6 0005                      2943          DC    X'0005'        EBAI=.05A                   VERISW
0016F8 F705                      2944          DC    X'F705'      SET PARMS                     VERISW
0016FA 000A                      2945          DC    X'000A'        EBAV=1.0KV                  VERISW
0016FC F930                      2946          DC    X'F930'      CALL EBAFIR                   VERISW
0016FE FD96                      2947          DC    X'FD96'      DELAY 15                      VERISW
001700 F706                      2948          DC    X'F706'      CALL PARMS                    VERISW
001702 0006                      2949          DC    X'0006'        EBAI=.06A                   VERISW
001704 F930                      2950          DC    X'F930'      CALL EBAFIR                   VERISW
001706 FD96                      2951          DC    X'FD96'      DELAY 15                      VERISW
001708 F706                      2952          DC    X'F706'      CALL PARMS                    VERISW
00170A 00C7                      2953          DC    X'0007'        EBAI=.07A                   VERISW
00170C F930                      2954          DC    X'F930'      CALL EBAFIR                   VERISW
00170E FAFE                      2955          DC    X'FAFE'    END TIFIRO                      VERISW
001710 FA63                      2956          DC    X'FA63'    --->START TIFIR1                VERISW
001712 FD8C                      2957          DC    X'FD8C'      DELAY 14.0                    VERISW
001714 F7C5                      2958          DC    X'F705'      SET PARMS                     VERISW
001716 0014                      2959          DC    X'0014'        EBAV=2.0KV                  VERISW
001718 F706                      2960          DC    X'F706'      SET PARMS                     VERISW
00171A 000A                      2961          DC    X'000A'        EBAI=.1A                    VERISW
00171C F930                      2962          DC    X'F930'      CALL EBAFIR                   VERISW
00171E FD96                      2963          DC    X'FD96'      DELAY 15                      VERISW
001720 F705                      2964          DC    X'F705'      SET PARMS                     VERISW
001722 001E                      2965          DC    X'001E'        EBAV=3.0KV                  VERISW
001724 F930                      2966          DC    X'F930'      CALL EBAFIR                   VERISW
001726 FD96                      2967          DC    X'FD96'      DELAY 15                      VERISW
001728 F930                      2968          DC    X'F930'      CALL EBAFIR                   VERISW
00172A FD96                      2969          DC    X'FD96'      DELAY 15                      VERISW
00172C FD96                      2970          DC    X'FD96'      DELAY 15                      VERISW
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00172E F705                 2971         DC    X'F705'          SET PARMS                          VERISW
001730 0028                 2972         DC    X'0028'            EBAV=4.0KV                       VERISW
001732 F930                 2973         DC    X'F930'          CALL EBAFIR                        VERISW
001734 FD96                 2974         DC    X'FD96'          DELAY 15                           VERISW
001736 F705                 2975         DC    X'F705'          SET PARMS                          VERISW
001738 0032                 2976         DC    X'0032'            EBAV=5.0KV                       VERISW
00173A F930                 2977         DC    X'F930'          CALL EBAFIR                        VERISW
00173C FD96                 2978         DC    X'FD96'          DELAY 15                           VERISW
00173E F930                 2979         DC    X'F930'          CALL EBAFIR                        VERISW
001740 FAFE                 2980         DC    X'FAFE'          END TIFIR1                         VERISW
001742 FA64                 2981         DC    X'FA64'      --->START TIFIR2 (NODE2)               VERISW
001744 631E                 2982         DC    X'631E'          HTRADJ=14.0A                       VERISW
001746 FD8C                 2983         DC    X'FD8C'          DELAY 14.0                         VERISW
001748 F705                 2984         DC    X'F705'          SET PARMS                          VERISW
00174A 0014                 2985         DC    X'0014'            EBAV=2.0KV                       VERISW
00174C F930                 2986         DC    X'F930'          CALL EBAFIR                        VERISW
00174E FD96                 2987         DC    X'FD96'          DELAY 15                           VERISW
001750 F705                 2988         DC    X'F705'          SET PARMS                          VERISW
001752 001E                 2989         DC    X'001E'            EBAV=3.0KV                       VERISW
001754 F930                 2990         DC    X'F930'          CALL EBAFIR                        VERISW
001756 FD96                 2991         DC    X'FD96'          DELAY 15                           VERISW
001758 F930                 2992         DC    X'F930'          CALL EBAFIR                        VERISW
00175A FD96                 2993         DC    X'FD96'          DELAY 15                           VERISW
00175C FD96                 2994         DC    X'FD96'          DELAY 15                           VERISW
00175E F705                 2995         DC    X'F705'          SET PARMS                          VERISW
001760 0028                 2996         DC    X'0028'            EBAV=4.0KV                       VERISW
001762 F930                 2997         DC    X'F930'          CALL EBAFIR                        VERISW
001764 FD96                 2998         DC    X'FD96'          DELAY 15                           VERISW
001766 F705                 2999         DC    X'F705'          SET PARMS                          VERISW
001768 0032                 3000         DC    X'0032'            EBAV=5.0KV                       VERISW
00176A F930                 3001         DC    X'F930'          CALL EBAFIR                        VERISW
00176C FD96                 3002         DC    X'FD96'          DELAY 15                           VERISW
00176E F930                 3003         DC    X'F930'          CALL EBAFIR                        VERISW
001770 FAFE                 3004         DC    X'FAFE'          END TIFIR2                         VERISW
001772 FA65                 3005         DC    X'FA65'      --->START TIFIR3 (NODE 3)              VERISW
001774 FD8C                 3006         DC    X'FD8C'          DELAY 14.0                         VERISW
001776 F705                 3007         DC    X'F705'          SET PARMS                          VERISW
001778 0032                 3008         DC    X'0032'            EBAV=5.0KV                       VERISW
00177A F707                 3009         DC    X'F707'          SET PARMS                          VERISW
00177C 0064                 3010         DC    X'0064'            PW=1.0                           VERISW
00177E F706                 3011         DC    X'F706'          SET PARMS                          VERISW
001780 000A                 3012         DC    X'000A'            EBAI=.1A                         VERISW
001782 F708                 3013         DC    X'F708'          SET PARMS                          VERISW
001784 0001                 3014         DC    X'0001'            AF/BF=1                          VERISW
001786 F930                 3015         DC    X'F930'          CALL EBAFIR                        VERISW
001788 FD96                 3016         DC    X'FD96'          DELAY 15.0                         VERISW
00178A F708                 3017         DC    X'F708'          SET PARMS                          VERISW
00178C 0002                 3018         DC    X'0002'            AF/BF=2                          VERISW
00178E F930                 3019         DC    X'F930'          CALL EBAFIR                        VERISW
001790 FD96                 3020         DC    X'FD96'          DELAY 15                           VERISW
001792 F708                 3021         DC    X'F708'          SET PARMS                          VERISW
001794 0003                 3022         DC    X'0003'            AF/BF=3                          VERISW
001796 F930                 3023         DC    X'F930'          CALL EBAFIR                        VERISW
001798 FD96                 3024         DC    X'FD96'          DELAY 15                           VERISW
00179A FD96                 3025         DC    X'FD96'          DELAY 15                           VERISW
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LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT			
00179C	F706			3026	DC	X'F706'	SET PARMS	VERISW
00179E	0014			3027	DC	X'0014'	EBAI=.2	VERISW
0017A0	F708			3028	DC	X'F708'	SET PARMS	VERISW
0017A2	0001			3029	DC	X'0001'	AF/BF=1	VERISW
0017A4	F930			3030	DC	X'F930'	CALL EBAFIR	VERISW
0017A6	FD96			3031	DC	X'FD96'	DELAY 15.0	VERISW
0017A8	F708			3032	DC	X'F708'	SET PARMS	VERISW
0017AA	0002			3033	DC	X'0002'	AF/BF=2	VERISW
0017AC	F930			3034	DC	X'F930'	CALL EBAFIR	VERISW
0017AE	FD96			3035	DC	X'FD96'	DELAY 15.0	VERISW
0017B0	F708			3036	DC	X'F708'	SET PARMS	VERISW
0017B2	0003			3037	DC	X'0003'	AF/BF=3	VERISW
0017B4	F930			3038	DC	X'F930'	CALL EBAFIR	VERISW
0017B6	FD96			3039	DC	X'FD96'	DELAY 15	VERISW
0017B8	FD96			3040	DC	X'FD96'	DELAY 15	VERISW
0017BA	F706			3041	DC	X'F706'	SET PARMS	VERISW
0017BC	001E			3042	DC	X'001E'	EBAI=.3A	VERISW
0017BE	F708			3043	DC	X'F708'	SET PARMS	VERISW
0017C0	0001			3044	DC	X'0001'	AF/BF=1	VERISW
0017C2	F930			3045	DC	X'F930'	CALL EBAFIR	VERISW
0017C4	FD96			3046	DC	X'FD96'	DELAY 15	VERISW
0017C6	F708			3047	DC	X'F708'	SET PARMS	VERISW
0017C8	0002			3048	DC	X'0002'	AF/BF=2	VERISW
0017CA	F930			3049	DC	X'F930'	CALL EBAFIR	VERISW
0017CC	FD96			3050	DC	X'FD96'	DELAY 15	VERISW
0017CE	F708			3051	DC	X'F708'	SET PARMS	VERISW
0017D0	0003			3052	DC	X'0003'	AF/BF=3	VERISW
0017D2	F930			3053	DC	X'F930'	CALL EBAFIR	VERISW
0017D4	FAFE			3054	DC	X'FAFE'	END T1TFIR3	VERISW
0017D6	FA66			3055	DC	X'FA66'	--->START T1FIR4	VERISW
0017D8	FD8C			3056	DC	X'FD8C'	DELAY 14.0	VERISW
0017DA	F706			3057	DC	X'F706'	SET PARMS	VERISW
0017DC	000A			3058	DC	X'000A'	EBAI=.1A	VERISW
0017DE	F708			3059	DC	X'F708'	SET PARMS	VERISW
0017E0	0001			3060	DC	X'0001'	AF/BF=1	VERISW
0017E2	F930			3061	DC	X'F930'	CALL EBAFIR	VERISW
0017E4	FD96			3062	DC	X'FD96'	DELAY 15	VERISW
0017E6	F708			3063	DC	X'F708'	SET PARMS	VERISW
0017E8	0004			3064	DC	X'0004'	AF/BF = 4	VERISW
0017EA	F930			3065	DC	X'F930'	CALL EBAFIR	VERISW
0017EC	FD96			3066	DC	X'FD96'	DELAY 15	VERISW
0017EE	F708			3067	DC	X'F708'	SET PARMS	VERISW
0017F0	0005			3068	DC	X'0005'	AF/BF=5	VERISW
0017F2	F930			3069	DC	X'F930'	CALL EBAFIR	VERISW
0017F4	FD96			3070	DC	X'FD96'	DELAY 15	VERISW
0017F6	FD96			3071	DC	X'FD96'	DELAY 15	VERISW
0017F8	F706			3072	DC	X'F706'	SET PARMS	VERISW
0017FA	0014			3073	DC	X'0014'	EBAI=.8A	VERISW
0017FC	F708			3074	DC	X'F708'	SET PARMS	VERISW
0017FE	0001			3075	DC	X'0001'	AF/BF=1	VERISW
001800	F930			3076	DC	X'F930'	CALL EBAFIR	VERISW
001802	FD96			3077	DC	X'FD96'	DELAY 15.0	VERISW
001804	F708			3078	DC	X'F708'	SET PARMS	VERISW
001806	0004			3079	DC	X'0004'	AF/BF=4	VERISW
001808	F930			3080	DC	X'F930'	CALL EBAFIR	VERISW

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001808 FD96          3081        DC   X'FD96'    DELAY 15                    VERISW
00180C F7C8          3082        DC   X'F708'    SET PARMS                   VERISW
00180E 0005          3083        DC   X'0005'      AF/BF=5                   VERISW
001810 F930          3084        DC   X'F930'    CALL EBAFIR                 VERISW
001812 FD96          3085        DC   X'FD96'    DELAY 15                    VERISW
001814 FD96          3086        DC   X'FD96'    DELAY 15                    VERISW
001816 F7C6          3087        DC   X'F706'    SET PARMS                   VERISW
001818 001E          3088        DC   X'001E'      EBAI=.3A                  VERISW
00181A F708          3089        DC   X'F708'    SET PARMS                   VERISW
00181C 0001          3090        DC   X'0001'      AF/BF=1                   VERISW
00181E F930          3091        DC   X'F930'    CALL EBAFIR                 VERISW
001820 FD96          3092        DC   X'FD96'    DELAY 15                    VERISW
001822 F7C8          3093        DC   X'F708'    SET PARMS                   VERISW
001824 00C4          3094        DC   X'00C4'      AF/BF=4                   VERISW
001826 F930          3095        DC   X'F930'    CALL EBAFIR                 VERISW
001828 FD96          3096        DC   X'FD96'    DELAY 15                    VERISW
00182A F7C8          3097        DC   X'F708'    SET PARMS                   VERISW
00182C 0005          3098        DC   X'0005'      AF/BF=5                   VERISW
00182E F930          3099        DC   X'F930'    CALL EBAFIR                 VERISW
001830 FAFE          3100        DC   X'FAFE'    END T1FIR4                  VERISW
001832 FA67          3101        DC   X'FA67'  --->START T1FIR5 (NODE 5)     VERISW
001834 FD8C          3102        DC   X'FD8C'    DELAY 14.0                  VERISW
001836 F708          3103        DC   X'F708'    SET PARMS                   VERISW
001838 0001          3104        DC   X'0001'      AF/BF=1                   VERISW
00183A F930          3105        DC   X'F930'    CALL EBAFIR                 VERISW
00183C FD96          3106        DC   X'FD96'    DELAY 15                    VERISW
00183E F930          3107        DC   X'F930'    CALL EBAFIR                 VERISW
001840 FD96          3108        DC   X'FD96'    DELAY 15                    VERISW
001842 F930          3109        DC   X'F930'    CALL EBAFIR                 VERISW
001844 FD96          3110        DC   X'FD96'    DELAY 15                    VERISW
001846 FD96          3111        DC   X'FD96'    DELAY 15                    VERISW
001848 F930          3112        DC   X'F930'    CALL EBAFIR                 VERISW
00184A FD96          3113        DC   X'FD96'    DELAY 15                    VERISW
00184C F930          3114        DC   X'F930'    CALL EBAFIR                 VERISW
00184E FD96          3115        DC   X'FD96'    DELAY 15                    VERISW
001850 F930          3116        DC   X'F930'    CALL EBAFIR                 VERISW
001852 FD96          3117        DC   X'FD96'    DELAY 15                    VERISW
001854 FD96          3118        DC   X'FD96'    DELAY 15                    VERISW
001856 F930          3119        DC   X'F930'    CALL EBAFIR                 VERISW
001858 FD96          3120        DC   X'FD96'    DELAY 15                    VERISW
00185A F930          3121        DC   X'F930'    CALL EBAFIR                 VERISW
00185C FD96          3122        DC   X'FD96'    DELAY 15                    VERISW
00185E F930          3123        DC   X'F930'    CALL EBAFIR                 VERISW
001860 FD96          3124        DC   X'FD96'    DELAY 15.0                  VERISW
001862 F705          3125        DC   X'F705'    SET PARAMETERS              VERISW
001864 0000          3126        DC   X'0000'      EVAV=0.0KV                VERISW
001866 FAFE          3127        DC   X'FAFE'    END T1FIR5                  VERISW
001868 FA68          3128        DC   X'FA68'  --->START T2MPD               VERISW
00186A F908          3129        DC   X'F908'    CALL MPDSET                 VERISW
00186C FD96          3130        DC   X'FD96'    DELAY 15                    VERISW
00186E F908          3131        DC   X'F908'    CALL MPDSET                 VERISW
001870 FD96          3132        DC   X'FD96'    DELAY 15                    VERISW
001872 F908          3133        DC   X'F908'    CALL MPDSET                 VERISW
001874 FD96          3134        DC   X'FD96'    DELAY 15                    VERISW
001876 F908          3135        DC   X'F908'    CALL MPDSET                 VERISW
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001878 FD96          3136          DC    X'FD96'      DELAY 15                    VERISW
00187A F90B          3137          DC    X'F90B'      CALL MPDSET                 VERISW
00187C FD96          3138          DC    X'FD96'      DELAY 1X55                  VERISW
00187E F90B          3139          DC    X'F90B'      CALL MPDSET                 VERISW
001880 FD96          3140          DC    X'FD96'      DELAY 15                    VERISW
001882 F90B          3141          DC    X'F90B'      CALL MPDSET                 VERISW
001884 FD96          3142          DC    X'FD96'      DELAY 15                    VERISW
001886 F90B          3143          DC    X'F90B'      CALL MPDSET                 VERISW
001888 FD96          3144          DC    X'FD96'      DELAY 15                    VERISW
00188A F90B          3145          DC    X'F90B'      CALL MPDSET                 VERISW
00188C FD96          3146          DC    X'FD96'      DELAY 15                    VERISW
00188E F90B          3147          DC    X'F90B'      CALL MPDSET                 VERISW
001890 FD96          3148          DC    X'FD96'      DELAY 15                    VERISW
001892 F90B          3149          DC    X'F90B'      CALL MPDSET                 VERISW
001894 FD96          3150          DC    X'FD96'      DELAY 15                    VERISW
001896 F90B          3151          DC    X'F90B'      CALL MPDSET                 VERISW
001898 FAFE          3152          DC    X'FAFE'      END T2MPD                   VERISW
00189A FA69          3153          DC    X'FA69'      --->START T31SET            VERISW
00189C F701          3154          DC    X'F701'      SET PARMS                   VERISW
00189E 00C3          3155          DC    X'00C3'        FAVP=3ATM                 VERISW
0018A0 F702          3156          DC    X'F702'      SET PARMS                   VERISW
0018A2 01E0          3157          DC    X'01E0'        MPUV=480                  VERISW
0018A4 F912          3158          DC    X'F912'      CALL FAVPON                 VERISW
0018A6 F710          3159          DC    X'F710'      SET PARMS                   VERISW
0018A8 00D5          3160          DC    X'00D5'        PRESET=D5                 VERISW
0018AA FAFE          3161          DC    X'FAFE'      END T31SET                  VERISW
0018AC FA6A          3162          DC    X'FA6A'      --->START T3FIR0            VERISW
0018AE FD8C          3163          DC    X'FD8C'      DELAY 14.0                  VERISW
0018B0 F7C5          3164          DC    X'F705'      SET PARMS                   VERISW
0018B2 0032          3165          DC    X'0032'        EBAV=5.0KV                VERISW
0018B4 F706          3166          DC    X'F706'      SET PARMS                   VERISW
0018B6 0014          3167          DC    X'0014'        EBAI=.2A                  VERISW
0018B8 F7C7          3168          DC    X'F707'      SET PARMS                   VERISW
0018BA 000A          3169          DC    X'000A'        PW=.1                     VERISW
0018BC F7C8          3170          DC    X'F708'      SET PARMS                   VERISW
0018BE 0000          3171          DC    X'0000'        AF/BF=0                   VERISW
0018C0 F930          3172          DC    X'F930'      CALL EBAFIR                 VERISW
0018C2 FD96          3173          DC    X'FD96'      DELAY 15.0                  VERISW
0018C4 F706          3174          DC    X'F706'      SET PARMS                   VERISW
0018C6 0028          3175          DC    X'0028'        EBAI=.4A                  VERISW
0018C8 F930          3176          DC    X'F930'      CALL EBAFIR                 VERISW
0018CA FD96          3177          DC    X'FD96'      DELAY 15.0                  VERISW
0018CC F706          3178          DC    X'F706'      SET PARMS                   VERISW
0018CE 003C          3179          DC    X'003C'        EBAI=.6A                  VERISW
0018D0 F930          3180          DC    X'F930'      CALL EBAFIR                 VERISW
0018D2 FD96          3181          DC    X'FD96'      DELAY 15.0                  VERISW
0018D4 FD96          3182          DC    X'FD96'      DELAY 15.0                  VERISW
0018D6 F705          3183          DC    X'F705'      SET PARMS                   VERISW
0018D8 003C          3184          DC    X'003C'        EBAV=6.0KV                VERISW
0018DA F930          3185          DC    X'F930'      CALL EBAFIR                 VERISW
0018DC FD96          3186          DC    X'FD96'      DELAY 15.0                  VERISW
0018DE F706          3187          DC    X'F706'      SET PARMS                   VERISW
0018E0 0050          3188          DC    X'0050'        EBAI=.8A                  VERISW
0018E2 F930          3189          DC    X'F930'      CALL EBAFIR                 VERISW
0018E4 FD96          3190          DC    X'FD96'      DELAY 15.0                  VERISW
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 LOC  OBJECT CODE    ADDR1 ADDR2  STMT   SOURCE STATEMENT                    F22NOV74  10/14/81

0018E6 F706                      3191          DC    X'F706'      SET PARMS                    VERISW
0018E8 0064                      3192          DC    X'0064'        EBAI=1.0A                  VERISW
0018EA F930                      3193          DC    X'F930'      CALL EBAFIR                  VERISW
0018EC FD96                      3194          DC    X'FD96'      DELAY 15                     VERISW
0018EE FD96                      3195          DC    X'FD96'      DELAY 15                     VERISW
0018F0 F705                      3196          DC    X'F705'      SET PARMS                    VERISW
0018F2 0046                      3197          DC    X'0046'        EBAV=7.0KV                 VERISW
0018F4 F930                      3198          DC    X'F930'      CALL EBAFIR                  VERISW
0018F6 FD96                      3199          DC    X'FD96'      DELAY 15.0                   VERISW
0018F8 F706                      3200          DC    X'F706'      SET PARMS                    VERISW
0018FA 0078                      3201          DC    X'0078'        EBAI=1.2A                  VERISW
0018FC F930                      3202          DC    X'F930'      CALL EBAFIR                  VERISW
0018FE FD96                      3203          DC    X'FD96'      DELAY 15.0                   VERISW
001900 F706                      3204          DC    X'F706'      SET PARMS                    VERISW
001902 008C                      3205          DC    X'008C'        EBAI=1.4A                  VERISW
001904 F930                      3206          DC    X'F930'      CALL EBAFIR                  VERISW
001906 FD96                      3207          DC    X'FD96'      DELAY 15                     VERISW
001908 FD96                      3208          DC    X'FD96'      DELAY 15                     VERISW
00190A F705                      3209          DC    X'F705'      SET PARMS                    VERISW
00190C 004B                      3210          DC    X'004B'        EBAV=7.5KV                 VERISW
00190E F930                      3211          DC    X'F930'      CALL EBAFIR                  VERISW
001910 FD96                      3212          DC    X'FD96'      DELAY 15.0                   VERISW
001912 F706                      3213          DC    X'F706'      SET PARMS                    VERISW
001914 00A0                      3214          DC    X'00A0'        EBAI=1.6A                  VERISW
001916 F930                      3215          DC    X'F930'      CALL EBAFIR                  VERISW
001918 FD96                      3216          DC    X'FD96'      DELAY 15.0                   VERISW
00191A F930                      3217          DC    X'F930'      CALL EBAFIR                  VERISW
00191C FAFE                      3218          DC    X'FAFE'      END T3FIR0                   VERISW
00191E FA6B                      3219          DC    X'FA6B'      --->START T3FIR1 (NODE 1)    VERISW
001920 F705                      3220          DC    X'F705'      SET PARMS                    VERISW
001922 004B                      3221          DC    X'004B'        EBAV=7.5KV                 VERISW
001924 F706                      3222          DC    X'F706'      SET PARMS                    VERISW
001926 00A0                      3223          DC    X'00A0'        EBAI=1.6A                  VERISW
001928 FD8C                      3224          DC    X'FD8C'      DELAY 14.0                   VERISW
00192A F7C7                      3225          DC    X'F707'      SET PARMS                    VERISW
00192C 0014                      3226          DC    X'0014'        PW=.2                      VERISW
00192E F930                      3227          DC    X'F930'      CALL EBAFIR                  VERISW
001930 FD96                      3228          DC    X'FD96'      DELAY 15.0                   VERISW
001932 F930                      3229          DC    X'F930'      CALL EBAFIR                  VERISW
001934 FD96                      3230          DC    X'FD96'      DELAY 15.0                   VERISW
001936 F930                      3231          DC    X'F930'      CALL EBAFIR                  VERISW
001938 FD96                      3232          DC    X'FD96'      DELAY 15.0                   VERISW
00193A FD96                      3233          DC    X'FD96'      DELAY 15.0                   VERISW
00193C F7C7                      3234          DC    X'F707'      SET PARMS                    VERISW
00193E 001E                      3235          DC    X'001E'        PW=.3                      VERISW
001940 F930                      3236          DC    X'F930'      CALL EBAFIR                  VERISW
001942 FD96                      3237          DC    X'FD96'      DELAY 15.0                   VERISW
001944 F930                      3238          DC    X'F930'      CALL EBAFIR                  VERISW
001946 FD96                      3239          DC    X'FD96'      DELAY 15.0                   VERISW
001948 F930                      3240          DC    X'F930'      CALL EBAFIR                  VERISW
00194A FD96                      3241          DC    X'FD96'      DELAY 15                     VERISW
00194C FD96                      3242          DC    X'FD96'      DELAY 15.0                   VERISW
00194E F7C7                      3243          DC    X'F707'      SET PARMS                    VERISW
001950 0028                      3244          DC    X'0028'        PW=.4                      VERISW
001952 F930                      3245          DC    X'F930'      CALL EBAFIR                  VERISW
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 LOC  OBJECT CODE    ADDR1 ADDR2  STMT   SOURCE STATEMENT                    F22NOV74  10/14/81

001954 FD96                       3246          DC    X'FD96'          DELAY 15.0                    VERISW
001956 F930                       3247          DC    X'F930'          CALL EBAFIR                   VERISW
001958 FD96                       3248          DC    X'FD96'          DELAY 15.0                    VERISW
00195A F930                       3249          DC    X'F930'          CALL EBAFIR                   VERISW
00195C FD96                       3250          DC    X'FD96'          DELAY 15                      VERISW
00195E FD96                       3251          DC    X'FD96'          DELAY 15.0                    VERISW
001960 F7C7                       3252          DC    X'F707'          SET PARMS                     VERISW
001962 0032                       3253          DC    X'0032'            PW=.5                       VERISW
001964 F930                       3254          DC    X'F930'          CALL EBAFIR                   VERISW
001966 FD96                       3255          DC    X'FD96'          DELAY 15.0                    VERISW
001968 F930                       3256          DC    X'F930'          CALL EBAFIR                   VERISW
00196A FD96                       3257          DC    X'FD96'          DELAY 15.0                    VERISW
00196C F930                       3258          DC    X'F930'          CALL EBAFIR                   VERISW
00196E FAFE                       3259          DC    X'FAFE'          END T3FIR1                    VERISW
001970 FA6C                       3260          DC    X'FA6C'       --->START FO2HT1                 VERISW
001972 FF19                       3261          DC    X'FF19'            IF FO#2                     VERISW
001974 6349                       3262          DC    X'6349'              HIRADJ = 9.0 A            VERISW
001976 FFFE                       3263          DC    X'FFFE'            END IF                      VERISW
001978 FAFE                       3264          DC    X'FAFE'          END-IF                        VERISW
00197A FA6D                       3265          DC    X'FA6D'       ---->START FO2HT2                VERISW
00197C FF19                       3266          DC    X'FF19'            IF FO#2                     VERISW
00197E 632D                       3267          DC    X'632D'              HIRADJ = 12.0 A           VERISW
001980 FFFE                       3268          DC    X'FFFE'                                        VERISW
001982 FAFE                       3269          DC    X'FAFE'                                        VERISW
001984 FA6E                       3270          DC    X'FA6E'       -->START OF DGPT10 (FO#02 T-1)   VERISW
001986 2E00                       3271          DC    X'2E00'            PHOFL = 0                   VERISW
001988 2F0F                       3272          DC    X'2F0F'            PHOIR = 15                  VERISW
00198A 2DC3                       3273          DC    X'2DC3'            PHOAG = 3                   VERISW
00198C 1B01                       3274          DC    X'1B01'            PLLSWP= 1                   VERISW
00198E 2100                       3275          DC    X'2100'            PWHGN = 0                   VERISW
001990 1DFF                       3276          DC    X'1DFF'            PWHF  = 2047                VERISW
001992 1EC7                       3277          DC    X'1E07'            PWHF  = 2047                VERISW
001994 1F00                       3278          DC    X'1F00'            PWHBS = 0                   VERISW
001996 2600                       3279          DC    X'2600'            PWLGN = 0                   VERISW
001998 24FF                       3280          DC    X'24FF'            PWLF  = 255                 VERISW
00199A 1400                       3281          DC    X'1400'            EPEFIX= 0                   VERISW
00199C F400                       3282          DC    X'F400'            DELAY 60 SECS  TIME = 60 SECS VERISW
00199E 0258                       3283          DC    X'0258'                                        VERISW
0019A0 2E01                       3284          DC    X'2E01'            PHOFL = 1                   VERISW
0019A2 FAFE                       3285          DC    X'FAFE'          END OF DGPT10                 VERISW
0019A4 FA6F                       3286          DC    X'FA6F'       -->START DGPT11                  VERISW
0019A6 2E02                       3287          DC    X'2E02'            PHOFL = 2                   VERISW
0019A8 F400                       3288          DC    X'F400'            DELAY 60 SECS  TIME = 180 SECS VERISW
0019AA 0258                       3289          DC    X'0258'                                        VERISW
0019AC 2E00                       3290          DC    X'2E00'            PHOFL = 0                   VERISW
0019AE FAFE                       3291          DC    X'FAFE'          END OF DGPT11                 VERISW
0019B0 FA70                       3292          DC    X'FA70'       -->START DGPT12                  VERISW
0019B2 2D06                       3293          DC    X'2D06'            PHOAG = 6                   VERISW
0019B4 1F01                       3294          DC    X'1F01'            PWHBS = 1                   VERISW
0019B6 FAFE                       3295          DC    X'FAFE'          END OF DGPT12                 VERISW
0019B8 FA71                       3296          DC    X'FA71'       -->START DGPT13                  VERISW
0019BA 1D00                       3297          DC    X'1D00'            PWHF  = 0                   VERISW
0019BC 1E00                       3298          DC    X'1E00'            PWHF  = 0                   VERISW
0019BE 1F01                       3299          DC    X'1F01'            PWHBS = 1                   VERISW
0019C0 2400                       3300          DC    X'2400'            PWLF  = 0                   VERISW
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0019C2 FDC8                3301          DC    X'FDC8'          DELAY 20 SECS  TIME = 380 SECS      VERISW
0019C4 1D92                3302          DC    X'1D92'          PWHF  = 146                        VERISW
0019C6 1E00                3303          DC    X'1E00'          PWHF  = 146                        VERISW
0019C8 1F00                3304          DC    X'1F00'          PWHBS = 0                          VERISW
0019CA 2412                3305          DC    X'2412'          PWLF  = 18                         VERISW
0019CC FDC8                3306          DC    X'FDC8'          DELAY 20 SECS  TIME = 400 SECS      VERISW
0019CE 1D24                3307          DC    X'1D24'          PWHF  = 292                        VERISW
0019D0 1E01                3308          DC    X'1E01'          PWHF  = 292                        VERISW
0019D2 1F01                3309          DC    X'1F01'          PWHBS = 1                          VERISW
0019D4 2424                3310          DC    X'2424'          PWLF  = 36                         VERISW
0019D6 FDC8                3311          DC    X'FDC8'          DELAY 20 SECS  TIME = 420 SECS      VERISW
0019D8 2E01                3312          DC    X'2E01'          PHOFL = 1                          VERISW
0019DA 1D86                3313          DC    X'1D86'          PWHF  = 438                        VERISW
0019DC 1E01                3314          DC    X'1E01'          PWHF  = 438                        VERISW
0019DE 1F00                3315          DC    X'1F00'          PWHBS = 0                          VERISW
0019E0 2436                3316          DC    X'2436'          PWLF  = 54                         VERISW
0019E2 FDC8                3317          DC    X'FDC8'          DELAY 20 SECS  TIME = 440 SECS      VERISW
0019E4 1D48                3318          DC    X'1D48'          PWHF  = 584                        VERISW
0019E6 1E02                3319          DC    X'1E02'          PWHF  = 584                        VERISW
0019E8 1F01                3320          DC    X'1F01'          PWHBS = 1                          VERISW
0019EA 2448                3321          DC    X'2448'          PWLF  = 72                         VERISW
0019EC FDC8                3322          DC    X'FDC8'          DELAY 20 SECS  TIME = 460 SECS      VERISW
0019EE 1D0A                3323          DC    X'1D0A'          PWHF  = 730                        VERISW
0019F0 1E02                3324          DC    X'1E02'          PWHF  = 730                        VERISW
0019F2 1F00                3325          DC    X'1F00'          PWHBS = 0                          VERISW
0019F4 245A                3326          DC    X'245A'          PWLF  = 90                         VERISW
0019F6 FDC8                3327          DC    X'FDC8'          DELAY 20 SECS  TIME = 480 SECS      VERISW
0019F8 2E02                3328          DC    X'2E02'          PHOFL = 2                          VERISW
0019FA 1D6C                3329          DC    X'1D6C'          PWHF  = 876                        VERISW
0019FC 1E03                3330          DC    X'1E03'          PWHF  = 876                        VERISW
0019FE 1F01                3331          DC    X'1F01'          PWHBS = 1                          VERISW
001A00 246C                3332          DC    X'246C'          PWLF  = 108                        VERISW
001A02 FDC8                3333          DC    X'FDC8'          DELAY 20 SECS  TIME = 500 SECS      VERISW
001A04 1DFE                3334          DC    X'1DFE'          PWHF  = 1022                       VERISW
001A06 1E03                3335          DC    X'1E03'          PWHF  = 1022                       VERISW
001A08 1F00                3336          DC    X'1F00'          PWHBS = 0                          VERISW
001A0A 247E                3337          DC    X'247E'          PWLF  = 126                        VERISW
001A0C FDC8                3338          DC    X'FDC8'          DELAY 20 SECS  TIME = 520 SECS      VERISW
001A0E 1D90                3339          DC    X'1D90'          PWHF  = 1168                       VERISW
001A10 1EC4                3340          DC    X'1E04'          PWHF  = 1168                       VERISW
001A12 1F01                3341          DC    X'1F01'          PWHBS = 1                          VERISW
001A14 2490                3342          DC    X'2490'          PWLF  = 144                        VERISW
001A16 FAFE                3343          DC    X'FAFE'        END OF DGPT13                        VERISW
001A18 FA72                3344          DC    X'FA72'      -->START DGPT14                        VERISW
001A1A 2E01                3345          DC    X'2E01'          PHOFL = 1                          VERISW
001A1C 2DC3                3346          DC    X'2DC3'          PHOAG=3                            VERISW
001A1E 1D22                3347          DC    X'1D22'          PWHF  = 1314                       VERISW
001A20 1EC5                3348          DC    X'1E05'          PWHF  = 1314                       VERISW
001A22 1F00                3349          DC    X'1F00'          PWHBS = 0                          VERISW
001A24 24A2                3350          DC    X'24A2'          PWLF  = 162                        VERISW
001A26 FDC8                3351          DC    X'FDC8'          DELAY 20 SECS  TIME = 560 SECS      VERISW
001A28 1DB4                3352          DC    X'1DB4'          PWHF  = 1460                       VERISW
001A2A 1EC5                3353          DC    X'1E05'          PWHF  = 1460                       VERISW
001A2C 1F01                3354          DC    X'1F01'          PWHBS = 1                          VERISW
001A2E 24B4                3355          DC    X'24B4'          PWLF  = 180                        VERISW
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LOC  OBJECT CODE    ADDR1 ADDR2  STMT  SOURCE STATEMENT                    F22NOV74  10/14/81

001A30 FDC8                      3356        DC    X'FDC8'      DELAY 20 SECS  TIME = 580 SECS      VERISW
001A32 1D46                      3357        DC    X'1D46'      PWHF  = 1606                         VERISW
001A34 1E06                      3358        DC    X'1E06'      PWHF  = 1606                         VERISW
001A36 1F00                      3359        DC    X'1F00'      PWHBS = 0                            VERISW
001A38 24C6                      3360        DC    X'24C6'      PWLF  = 198                          VERISW
001A3A FDC8                      3361        DC    X'FDC8'      DELAY 20 SECS  TIME = 600 SECS       VERISW
001A3C 2E00                      3362        DC    X'2E00'      PHOFL = 0                            VERISW
001A3E 1DD8                      3363        DC    X'1DD8'      PWHF  = 1752                         VERISW
001A40 1E06                      3364        DC    X'1E06'      PWHF  = 1752                         VERISW
001A42 1F01                      3365        DC    X'1F01'      PWHBS = 1                            VERISW
001A44 24D8                      3366        DC    X'24D8'      PWLF  = 216                          VERISW
001A46 FDC8                      3367        DC    X'FDC8'      DELAY 20 SECS  TIME = 620 SECS       VERISW
001A48 1D6A                      3368        DC    X'1D6A'      PWHF  = 1898                         VERISW
001A4A 1EC7                      3369        DC    X'1E07'      PWHF  = 1898                         VERISW
001A4C 1F00                      3370        DC    X'1F00'      PWHBS = 0                            VERISW
001A4E 24EA                      3371        DC    X'24EA'      PWLF  = 234                          VERISW
001A50 FDC8                      3372        DC    X'FDC8'      DELAY 20 SECS  TIME = 640 SECS       VERISW
001A52 1DFC                      3373        DC    X'1DFC'      PWHF  = 2044                         VERISW
001A54 1EC7                      3374        DC    X'1E07'      PWHF  = 2044                         VERISW
001A56 1F01                      3375        DC    X'1F01'      PWHBS = 1                            VERISW
001A58 24FC                      3376        DC    X'24FC'      PWLF  = 252                          VERISW
001A5A FDC8                      3377        DC    X'FDC8'      DELAY 20 SECS  TIME = 660 SECS       VERISW
001A5C 2D00                      3378        DC    X'2D00'      PHOAG = 0                            VERISW
001A5E 1D00                      3379        DC    X'1D00'      PWHF  = 0                            VERISW
001A60 1E00                      3380        DC    X'1E00'      PWHF  = 0                            VERISW
001A62 1F01                      3381        DC    X'1F01'      PWHBS = 1                            VERISW
001A64 2400                      3382        DC    X'2400'      PWLF  = 0                            VERISW
001A66 FDC8                      3383        DC    X'FDC8'      DELAY 20 SECS  TIME = 680 SECS       VERISW
001A68 2D03                      3384        DC    X'2D03'      PHOAG = 3                            VERISW
001A6A 1D89                      3385        DC    X'1D89'      PWHF  = 185                          VERISW
001A6C 1E00                      3386        DC    X'1E00'      PWHF  = 185                          VERISW
001A6E 1F00                      3387        DC    X'1F00'      PWHBS = 0                            VERISW
001A70 2417                      3388        DC    X'2417'      PWLF  = 23                           VERISW
001A72 FD56                      3389        DC    X'FD96'      DELAY 15 SECS  TIME = 695 SECS       VERISW
001A74 2D06                      3390        DC    X'2D06'      PHOAG = 6                            VERISW
001A76 FD32                      3391        DC    X'FD32'      DELAY 5 SECS   TIME = 700 SECS       VERISW
001A78 1D72                      3392        DC    X'1D72'      PWHF  = 370                          VERISW
001A7A 1E01                      3393        DC    X'1E01'      PWHF  = 370                          VERISW
001A7C 1F01                      3394        DC    X'1F01'      PWHBS = 1                            VERISW
001A7E 242E                      3395        DC    X'242E'      PWLF  = 46                           VERISW
001A80 FAFE                      3396        DC    X'FAFE'    END OF DGPT14                          VERISW
001A82 FA73                      3397        DC    X'FA73'    -->START DGPT15                        VERISW
001A84 2D06                      3398        DC    X'2D06'      PHOAG = 6                            VERISW
001A86 1D28                      3399        DC    X'1D28'      PWHF  = 555                          VERISW
001A88 1E02                      3400        DC    X'1E02'      PWHF  = 555                          VERISW
001A8A 1F00                      3401        DC    X'1F00'      PWHBS = 0                            VERISW
001A8C 2445                      3402        DC    X'2445'      PWLF  = 69                           VERISW
001A8E FD32                      3403        DC    X'FD32'      DELAY 5 SECS   TIME = 725 SECS       VERISW
001A90 2D09                      3404        DC    X'2D09'      PHOAG = 9                            VERISW
001A92 FD96                      3405        DC    X'FD96'      DELAY 15 SECS  TIME = 740 SECS       VERISW
001A94 2DCC                      3406        DC    X'2DCC'      PHOAG = 12                           VERISW
001A96 1DE4                      3407        DC    X'1DE4'      PWHF  = 740                          VERISW
001A98 1EC2                      3408        DC    X'1E02'      PWHF  = 740                          VERISW
001A9A 1F01                      3409        DC    X'1F01'      PWHBS = 1                            VERISW
001A9C 245C                      3410        DC    X'245C'      PWLF  = 92                           VERISW
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001A9E FD96                 3411        DC    X'FD96'          DELAY 15 SECS  TIME = 755 SECS      VERISW
001AA0 2D0F                 3412        DC    X'2D0F'          PHOAG = 15                          VERISW
001AA2 FD32                 3413        DC    X'FD32'          DELAY 5 SECS   TIME = 760 SECS      VERISW
001AA4 1D9D                 3414        DC    X'1D9D'          PWHF  = 925                         VERISW
001AA6 1E03                 3415        DC    X'1E03'          PWHF  = 925                         VERISW
001AA8 1F00                 3416        DC    X'1F00'          PWHBS = 0                           VERISW
001AAA 2473                 3417        DC    X'2473'          PWLF  = 115                         VERISW
001AAC FD64                 3418        DC    X'FD64'          DELAY 10 SECS  TIME = 770 SECS      VERISW
001AAE 2E01                 3419        DC    X'2E01'          PHOFL = 1                           VERISW
001AB0 2D09                 3420        DC    X'2D09'          PHOAG = 9                           VERISW
001AB2 FD64                 3421        DC    X'FD64'          DELAY 10 SECS  TIME = 780 SECS      VERISW
001AB4 1D56                 3422        DC    X'1D56'          PWHF  = 1110                        VERISW
001AB6 1E04                 3423        DC    X'1E04'          PWHF  = 1110                        VERISW
001AB8 1F01                 3424        DC    X'1F01'          PWHBS = 1                           VERISW
001ABA 248A                 3425        DC    X'248A'          PWLF  = 138                         VERISW
001ABC FDC8                 3426        DC    X'FDC8'          DELAY 20 SECS  TIME = 800 SECS      VERISW
001ABE 2D06                 3427        DC    X'2D06'          PHOAG = 6                           VERISW
001AC0 1D0F                 3428        DC    X'1D0F'          PWHF  = 1295                        VERISW
001AC2 1E05                 3429        DC    X'1E05'          PWHF  = 1295                        VERISW
001AC4 1F00                 3430        DC    X'1F00'          PWHBS = 0                           VERISW
001AC6 24A1                 3431        DC    X'24A1'          PWLF  = 161                         VERISW
001AC8 FD96                 3432        DC    X'FD96'          DELAY 15 SECS  TIME = 815 SECS      VERISW
001ACA 2D03                 3433        DC    X'2D03'          PHOAG = 3                           VERISW
001ACC FD32                 3434        DC    X'FD32'          DELAY 5 SECS   TIME = 820 SECS      VERISW
001ACE 1DC8                 3435        DC    X'1DC8'          PWHF  = 1480                        VERISW
001AD0 1E05                 3436        DC    X'1E05'          PWHF  = 1480                        VERISW
001AD2 1F01                 3437        DC    X'1F01'          PWHBS = 1                           VERISW
001AD4 24B8                 3438        DC    X'24B8'          PWLF  = 184                         VERISW
001AD6 FDC8                 3439        DC    X'FDC8'          DELAY 20 SECS  TIME = 840 SECS      VERISW
001AD8 2E02                 3440        DC    X'2E02'          PHOFL = 2                           VERISW
001ADA 1D81                 3441        DC    X'1D81'          PWHF  = 1665                        VERISW
001ADC 1E06                 3442        DC    X'1E06'          PWHF  = 1665                        VERISW
001ADE 1F00                 3443        DC    X'1F00'          PWHBS = 0                           VERISW
001AE0 24CF                 3444        DC    X'24CF'          PWLF  = 207                         VERISW
001AE2 FD64                 3445        DC    X'FD64'          DELAY 10 SECS  TIME = 850 SECS      VERISW
001AE4 0D01                 3446        DC    X'0D01'          TEST  = 1                           VERISW
001AE6 1701                 3447        DC    X'1701'          EPVCAL= 1                           VERISW
001AE8 FD0A                 3448        DC    X'FD0A'          DELAY 1 SECS   TIME = 851 SECS      VERISW
001AEA 0D00                 3449        DC    X'0D00'          TEST  = 0                           VERISW
001AEC 1700                 3450        DC    X'1700'          EPVCAL= 0                           VERISW
001AEE FD5A                 3451        DC    X'FD5A'          DELAY 9 SECS   TIME = 860 SECS      VERISW
001AF0 2D06                 3452        DC    X'2D06'          PHOAG = 6                           VERISW
001AF2 1D3A                 3453        DC    X'1D3A'          PWHF  = 1850                        VERISW
001AF4 1E07                 3454        DC    X'1E07'          PWHF  = 1850                        VERISW
001AF6 1F01                 3455        DC    X'1F01'          PWHBS = 1                           VERISW
001AF8 24E6                 3456        DC    X'24E6'          PWLF  = 230                         VERISW
001AFA FD96                 3457        DC    X'FD96'          DELAY 15 SECS  TIME = 875 SECS      VERISW
001AFC 2D09                 3458        DC    X'2D09'          PHOAG = 9                           VERISW
001AFE FD32                 3459        DC    X'FD32'          DELAY 5 SECS   TIME = 880 SECS      VERISW
001B00 1DF3                 3460        DC    X'1DF3'          PWHF  = 2035                        VERISW
001B02 1E07                 3461        DC    X'1E07'          PWHF  = 2035                        VERISW
001B04 1F00                 3462        DC    X'1F00'          PWHBS = 0                           VERISW
001B06 24FD                 3463        DC    X'24FD'          PWLF  = 253                         VERISW
001B08 FD14                 3464        DC    X'FD14'          DELAY 20.0                          VERISW
001B0A F705                 3465        DC    X'F705'          SET PARAMETERS                      VERISW
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LOC OBJECT CODE ADDR1 ADDR2 STMT SOURCE STATEMENT F22NOV74 10/14/81

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001B0C 0000                    3466          DC    X'0000'          E8A8MV=0.0                                    VERISW
001B0E FAFE                    3467          DC    X'FAFE'      END DGPT15                                        VERISW
001B10 FA74                    3468          DC    X'FA74'  -->START DGPT20 (FD#03 T-2)                          VERISW
001B12 F888                    3469          DC    X'F888'    CALL DGPFD3                                         VERISW
001B14 FD8C                    3470          DC    X'FD8C'      DELAY 14 SECS   TIME = 14 SECS                    VERISW
001B16 1D00                    3471          DC    X'1D00'      PWHF  = 0                                         VERISW
001B18 1E00                    3472          DC    X'1E00'      PWHF  = 0                                         VERISW
001B1A 2400                    3473          DC    X'2400'      PWLF  = 0                                         VERISW
001B1C 1200                    3474          DC    X'1200'      EPEENG= 0                                         VERISW
001B1E 1401                    3475          DC    X'1401'      EPEFIX= 1                                         VERISW
001B20 FD32                    3476          DC    X'FD32'      DELAY 5 SECS   TIME = 19 SECS                     VERISW
001B22 1400                    3477          DC    X'1400'      EPEFIX= 0                                         VERISW
001B24 FD3C                    3478          DC    X'FD3C'      DELAY 6 SECS   TIME = 25 SECS                     VERISW
001B26 2E01                    3479          DC    X'2E01'      PHOFL = 1                                         VERISW
001B28 FD28                    3480          DC    X'FD28'      DELAY 4 SECS   TIME = 29 SECS                     VERISW
001B2A 1D55                    3481          DC    X'1D55'      PWHF  = 85                                        VERISW
001B2C 1E00                    3482          DC    X'1E00'      PWHF  = 85                                        VERISW
001B2E 240A                    3483          DC    X'240A'      PWLF  = 10                                        VERISW
001B30 1201                    3484          DC    X'1201'      EPEENG= 1                                         VERISW
001B32 1401                    3485          DC    X'1401'      EPEFIX= 1                                         VERISW
001B34 FD32                    3486          DC    X'FD32'      DELAY 5 SECS   TIME = 34 SECS                     VERISW
001B36 1400                    3487          DC    X'1400'      EPEFIX= 0                                         VERISW
001B38 FD3C                    3488          DC    X'FD3C'      DELAY 6 SECS   TIME = 40 SECS                     VERISW
001B3A 2E02                    3489          DC    X'2E02'      PHOFL = 2                                         VERISW
001B3C FD28                    3490          DC    X'FD28'      DELAY 4 SECS   TIME = 44 SECS                     VERISW
001B3E 1DAA                    3491          DC    X'1DAA'      PWHF  = 170                                       VERISW
001B40 1E00                    3492          DC    X'1E00'      PWHF  = 170                                       VERISW
001B42 2414                    3493          DC    X'2414'      PWLF  = 20                                        VERISW
001B44 1202                    3494          DC    X'1202'      EPEENG= 2                                         VERISW
001B46 1401                    3495          DC    X'1401'      EPEFIX= 1                                         VERISW
001B48 FD32                    3496          DC    X'FD32'      DELAY 5 SECS   TIME = 49 SECS                     VERISW
001B4A 1400                    3497          DC    X'1400'      EPEFIX= 0                                         VERISW
001B4C FD28                    3498          DC    X'FD28'      DELAY 4 SECS   TIME = 53 SECS                     VERISW
001B4E 2D12                    3499          DC    X'2D12'      PHOAG = 18                                        VERISW
001B50 FD14                    3500          DC    X'FD14'      DELAY 2 SECS   TIME = 55 SECS                     VERISW
001B52 1CC2                    3501          DC    X'1CC2'      PLLB  = 2                                         VERISW
001B54 FD28                    3502          DC    X'FD28'      DELAY 4 SECS   TIME = 59 SECS                     VERISW
001B56 1DFF                    3503          DC    X'1DFF'      PWHF  = 255                                       VERISW
001B58 1E00                    3504          DC    X'1E00'      PWHF  = 255                                       VERISW
001B5A 241E                    3505          DC    X'241E'      PWLF  = 30                                        VERISW
001B5C 1203                    3506          DC    X'1203'      EPEENG= 3                                         VERISW
001B5E 1401                    3507          DC    X'1401'      EPEFIX= 1                                         VERISW
001B60 FD32                    3508          DC    X'FD32'      DELAY 5 SECS   TIME = 64 SECS                     VERISW
001B62 1400                    3509          DC    X'1400'      EPEFIX= 0                                         VERISW
001B64 FD3C                    3510          DC    X'FD3C'      DELAY 6 SECS   TIME = 70 SECS                     VERISW
001B66 2E01                    3511          DC    X'2E01'      PHOFL = 1                                         VERISW
001B68 FD28                    3512          DC    X'FD28'      DELAY 4 SECS   TIME = 74 SECS                     VERISW
001B6A 1D54                    3513          DC    X'1D54'      PWHF  = 340                                       VERISW
001B6C 1E01                    3514          DC    X'1E01'      PWHF  = 340                                       VERISW
001B6E 2428                    3515          DC    X'2428'      PWLF  = 40                                        VERISW
001B70 1204                    3516          DC    X'1204'      EPEENG= 4                                         VERISW
001B72 1401                    3517          DC    X'1401'      EPEFIX= 1                                         VERISW
001B74 FD32                    3518          DC    X'FD32'      DELAY 5 SECS   TIME = 79 SECS                     VERISW
001B76 1400                    3519          DC    X'1400'      EPEFIX= 0                                         VERISW
001B78 FD3C                    3520          DC    X'FD3C'      DELAY 6 SECS   TIME = 85 SECS                     VERISW
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001B74 2E00                  3521        DC    X'2E00'    PHOFL = 0                                  VERISW
001B7C FD28                  3522        DC    X'FD28'    DELAY 4 SECS   TIME = 89 SECS           VERISW
001B7E 1DA9                  3523        DC    X'1DA9'    PWHF  = 425                                VERISW
001B80 1E01                  3524        DC    X'1E01'    PWHF  = 425                                VERISW
001B82 2432                  3525        DC    X'2432'    PWLF  = 50                                 VERISW
001B84 12C5                  3526        DC    X'12C5'    EPEENG= 5                                  VERISW
001B86 1401                  3527        DC    X'1401'    EPEFIX= 1                                  VERISW
001B88 FD32                  3528        DC    X'FD32'    DELAY 5 SECS   TIME = 94 SECS           VERISW
001B8A 1400                  3529        DC    X'1400'    EPEFIX= 0                                  VERISW
001B8C FD28                  3530        DC    X'FD28'    DELAY 4 SECS   TIME = 98 SECS           VERISW
001B8E 2D15                  3531        DC    X'2D15'    PHOAG = 21                                 VERISW
001B90 FD14                  3532        DC    X'FD14'    DELAY 2 SECS   TIME = 100 SECS          VERISW
001B92 1C01                  3533        DC    X'1C01'    PLLB  = 1                                  VERISW
001B94 FD28                  3534        DC    X'FD28'    DELAY 4 SECS   TIME = 104 SECS          VERISW
001B96 1DFE                  3535        DC    X'1DFE'    PWHF  = 510                                VERISW
001B98 1E01                  3536        DC    X'1E01'    PWHF  = 510                                VERISW
001B9A 243C                  3537        DC    X'243C'    PWLF  = 60                                 VERISW
001B9C 1206                  3538        DC    X'1206'    EPEENG= 6                                  VERISW
001B9E 1401                  3539        DC    X'1401'    EPEFIX= 1                                  VERISW
001BA0 FD32                  3540        DC    X'FD32'    DELAY 5 SECS   TIME = 109 SECS          VERISW
001BA2 1400                  3541        DC    X'1400'    EPEFIX= 0                                  VERISW
001BA4 FD3C                  3542        DC    X'FD3C'    DELAY 6 SECS   TIME = 115 SECS          VERISW
001BA6 2E01                  3543        DC    X'2E01'    PHOFL = 1                                  VERISW
001BA8 FD28                  3544        DC    X'FD28'    DELAY 4 SECS   TIME = 119 SECS          VERISW
001BAA 1D53                  3545        DC    X'1D53'    PWHF  = 595                                VERISW
001BAC 1E02                  3546        DC    X'1E02'    PWHF  = 595                                VERISW
001BAE 2446                  3547        DC    X'2446'    PWLF  = 70                                 VERISW
001BB0 12C7                  3548        DC    X'12C7'    EPEENG= 7                                  VERISW
001BB2 1401                  3549        DC    X'1401'    EPEFIX= 1                                  VERISW
001BB4 FD32                  3550        DC    X'FD32'    DELAY 5 SECS   TIME = 124 SECS          VERISW
001BB6 1400                  3551        DC    X'1400'    EPEFIX= 0                                  VERISW
001BB8 FD3C                  3552        DC    X'FD3C'    DELAY 6 SECS   TIME = 130 SECS          VERISW
001BBA 2EC2                  3553        DC    X'2E02'    PHOFL = 2                                  VERISW
001BBC FD28                  3554        DC    X'FD28'    DELAY 4 SECS   TIME = 134 SECS          VERISW
001BBE 1DA8                  3555        DC    X'1DA8'    PWHF  = 680                                VERISW
001BC0 1E02                  3556        DC    X'1E02'    PWHF  = 680                                VERISW
001BC2 2450                  3557        DC    X'2450'    PWLF  = 80                                 VERISW
001BC4 1208                  3558        DC    X'1208'    EPEENG= 8                                  VERISW
001BC6 1401                  3559        DC    X'1401'    EPEFIX= 1                                  VERISW
001BC8 FD32                  3560        DC    X'FD32'    DELAY 5 SECS   TIME = 139 SECS          VERISW
001BCA 1400                  3561        DC    X'1400'    EPEFIX= 0                                  VERISW
001BCC FD28                  3562        DC    X'FD28'    DELAY 4 SECS   TIME = 143 SECS          VERISW
001BCE 2D18                  3563        DC    X'2D18'    PHOAG = 24                                 VERISW
001BD0 FD14                  3564        DC    X'FD14'    DELAY 2 SECS   TIME = 145 SECS          VERISW
001BD2 1C00                  3565        DC    X'1C00'    PLLB  = 0                                  VERISW
001BD4 FD28                  3566        DC    X'FD28'    DELAY 4 SECS   TIME = 149 SECS          VERISW
001BD6 1DFD                  3567        DC    X'1DFD'    PWHF  = 765                                VERISW
001BD8 1EC2                  3568        DC    X'1E02'    PWHF  = 765                                VERISW
001BDA 245A                  3569        DC    X'245A'    PWLF  = 90                                 VERISW
001BDC 1209                  3570        DC    X'1209'    EPEENG= 9                                  VERISW
001BDE 1401                  3571        DC    X'1401'    EPEFIX= 1                                  VERISW
001BE0 FD32                  3572        DC    X'FD32'    DELAY 5 SECS   TIME = 154 SECS          VERISW
001BE2 1400                  3573        DC    X'1400'    EPEFIX= 0                                  VERISW
001BE4 FD3C                  3574        DC    X'FD3C'    DELAY 6 SECS   TIME = 160 SECS          VERISW
001BE6 2E01                  3575        DC    X'2E01'    PHOFL = 1                                  VERISW
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001BE8 FD28                3576        DC    X'FD28'          DELAY 4 SECS   TIME = 164 SECS      VERISW
001BEA 1D52                3577        DC    X'1D52'          PWHF  = 850                        VERISW
001BEC 1E03                3578        DC    X'1E03'          PWHF  = 850                        VERISW
001BEE 2464                3579        DC    X'2464'          PWLF  = 100                        VERISW
001BF0 120A                3580        DC    X'120A'          EPEENG= 10                         VERISW
001BF2 1401                3581        DC    X'1401'          EPEFIX= 1                          VERISW
001BF4 FD32                3582        DC    X'FD32'          DELAY 5 SECS   TIME = 169 SECS      VERISW
001BF6 1400                3583        DC    X'1400'          EPEFIX= 0                          VERISW
001BF8 FD3C                3584        DC    X'FD3C'          DELAY 6 SECS   TIME = 175 SECS      VERISW
001BFA 2E00                3585        DC    X'2E00'          PHOFL = 0                          VERISW
001BFC FD28                3586        DC    X'FD28'          DELAY 4 SECS   TIME = 179 SECS      VERISW
001BFE 1DA7                3587        DC    X'1DA7'          PWHF  = 935                        VERISW
001C00 1E03                3588        DC    X'1E03'          PWHF  = 935                        VERISW
001C02 246E                3589        DC    X'246E'          PWLF  = 110                        VERISW
001C04 120B                3590        DC    X'120B'          EPEENG= 11                         VERISW
001C06 1401                3591        DC    X'1401'          EPEFIX= 1                          VERISW
001C08 FD32                3592        DC    X'FD32'          DELAY 5 SECS   TIME = 184 SECS      VERISW
001C0A 1400                3593        DC    X'1400'          EPEFIX= 0                          VERISW
001C0C FAFE                3594        DC    X'FAFE'        END OF DGPT20                        VERISW
001C0E FA75                3595        DC    X'FA75'      -->START DGPT21                        VERISW
001C10 1B01                3596        DC    X'1B01'          PLLSWP= 1                          VERISW
001C12 FD28                3597        DC    X'FD28'          DELAY 4 SECS   TIME = 194 SECS      VERISW
001C14 1DFC                3598        DC    X'1DFC'          PWHF  = 1020                       VERISW
001C16 1E03                3599        DC    X'1E03'          PWHF  = 1020                       VERISW
001C18 2478                3600        DC    X'2478'          PWLF  = 120                        VERISW
001C1A FD5A                3601        DC    X'FD5A'          DELAY 9 SECS   TIME = 203 SECS      VERISW
001C1C 2F01                3602        DC    X'2F01'          PHOIR = 1                          VERISW
001C1E FD14                3603        DC    X'FD14'          DELAY 2 SECS   TIME = 205 SECS      VERISW
001C20 1B00                3604        DC    X'1B00'          PLLSWP= 0                          VERISW
001C22 1C03                3605        DC    X'1C03'          PLLB  = 3                          VERISW
001C24 FD28                3606        DC    X'FD28'          DELAY 4 SECS   TIME = 209 SECS      VERISW
001C26 1D51                3607        DC    X'1D51'          PWHF  = 1105                       VERISW
001C28 1EC4                3608        DC    X'1E04'          PWHF  = 1105                       VERISW
001C2A 24E2                3609        DC    X'24E2'          PWLF  = 130                        VERISW
001C2C 1200                3610        DC    X'1200'          EPEENG= 0                          VERISW
001C2E 1401                3611        DC    X'1401'          EPEFIX= 1                          VERISW
001C30 FD32                3612        DC    X'FD32'          DELAY 5 SECS   TIME = 214 SECS      VERISW
001C32 1400                3613        DC    X'1400'          EPEFIX= 0                          VERISW
001C34 FD3C                3614        DC    X'FD3C'          DELAY 6 SECS   TIME = 220 SECS      VERISW
001C36 2E01                3615        DC    X'2E01'          PHOFL = 1                          VERISW
001C38 FD28                3616        DC    X'FD28'          DELAY 4 SECS   TIME = 224 SECS      VERISW
001C3A 1DA6                3617        DC    X'1DA6'          PWHF  = 1190                       VERISW
001C3C 1EC4                3618        DC    X'1E04'          PWHF  = 1190                       VERISW
001C3E 248C                3619        DC    X'248C'          PWLF  = 140                        VERISW
001C40 1201                3620        DC    X'1201'          EPEENG= 1                          VERISW
001C42 1401                3621        DC    X'1401'          EPEFIX= 1                          VERISW
001C44 FD32                3622        DC    X'FD32'          DELAY 5 SECS   TIME = 229 SECS      VERISW
001C46 1400                3623        DC    X'1400'          EPEFIX= 0                          VERISW
001C48 FD3C                3624        DC    X'FD3C'          DELAY 6 SECS   TIME = 235 SECS      VERISW
001C4A 2E02                3625        DC    X'2E02'          PHOFL = 2                          VERISW
001C4C FD28                3626        DC    X'FD28'          DELAY 4 SECS   TIME = 239 SECS      VERISW
001C4E 1DFB                3627        DC    X'1DFB'          PWHF  = 1275                       VERISW
001C50 1E04                3628        DC    X'1E04'          PWHF  = 1275                       VERISW
001C52 2456                3629        DC    X'2456'          PWLF  = 150                        VERISW
001C54 1202                3630        DC    X'1202'          EPEENG= 2                          VERISW
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001C56 1401                    3631        DC    X'1401'     EPEFIX= 1                                  VERISW
001C58 FD32                    3632        DC    X'FD32'     DELAY 5 SECS   TIME = 244 SECS              VERISW
001C5A 1400                    3633        DC    X'1400'     EPEFIX= 0                                  VERISW
001C5C FD28                    3634        DC    X'FD28'     DELAY 4 SECS   TIME = 248 SECS              VERISW
001C5E 2F02                    3635        DC    X'2F02'     PHOIR = 2                                  VERISW
001C60 FD14                    3636        DC    X'FD14'     DELAY 2 SECS   TIME = 250 SECS              VERISW
001C62 1C02                    3637        DC    X'1C02'     PLLB  = 2                                  VERISW
001C64 FD28                    3638        DC    X'FD28'     DELAY 4 SECS   TIME = 254 SECS              VERISW
001C66 1D50                    3639        DC    X'1D50'     PWHF  = 1360                               VERISW
001C68 1EC5                    3640        DC    X'1E05'     PWHF  = 1360                               VERISW
001C6A 24A0                    3641        DC    X'24A0'     PWLF  = 160                                VERISW
001C6C 1203                    3642        DC    X'1203'     EPEENG= 3                                  VERISW
001C6E 1401                    3643        DC    X'1401'     EPEFIX= 1                                  VERISW
001C70 FD32                    3644        DC    X'FD32'     DELAY 5 SECS   TIME = 259 SECS              VERISW
001C72 1400                    3645        DC    X'1400'     EPEFIX= 0                                  VERISW
001C74 FD3C                    3646        DC    X'FD3C'     DELAY 6 SECS   TIME = 265 SECS              VERISW
001C76 2E01                    3647        DC    X'2E01'     PHOFL = 1                                  VERISW
001C78 FD28                    3648        DC    X'FD28'     DELAY 4 SECS   TIME = 269 SECS              VERISW
001C7A 1DA5                    3649        DC    X'1DA5'     PWHF  = 1445                               VERISW
001C7C 1E05                    3650        DC    X'1E05'     PWHF  = 1445                               VERISW
001C7E 24AA                    3651        DC    X'24AA'     PWLF  = 170                                VERISW
001C80 1204                    3652        DC    X'1204'     EPEENG= 4                                  VERISW
001C82 1401                    3653        DC    X'1401'     EPEFIX= 1                                  VERISW
001C84 FD32                    3654        DC    X'FD32'     DELAY 5 SECS   TIME = 274 SECS              VERISW
001C86 1400                    3655        DC    X'1400'     EPEFIX= 0                                  VERISW
001C88 FD3C                    3656        DC    X'FD3C'     DELAY 6 SECS   TIME = 280 SECS              VERISW
001C8A 2E00                    3657        DC    X'2E00'     PHOFL = 0                                  VERISW
001C8C FD28                    3658        DC    X'FD28'     DELAY 4 SECS   TIME = 284 SECS              VERISW
001C8E 1DFA                    3659        DC    X'1DFA'     PWHF  = 1530                               VERISW
001C90 1E05                    3660        DC    X'1E05'     PWHF  = 1530                               VERISW
001C92 2484                    3661        DC    X'2484'     PWLF  = 180                                VERISW
001C94 1205                    3662        DC    X'1205'     EPEENG= 5                                  VERISW
001C96 1401                    3663        DC    X'1401'     EPEFIX= 1                                  VERISW
001C98 FD32                    3664        DC    X'FD32'     DELAY 5 SECS   TIME = 289 SECS              VERISW
001C9A 1400                    3665        DC    X'1400'     EPEFIX= 0                                  VERISW
001C9C FD28                    3666        DC    X'FD28'     DELAY 4 SECS   TIME = 293 SECS              VERISW
001C9E 2F03                    3667        DC    X'2F03'     PHOIR = 3                                  VERISW
001CA0 FD14                    3668        DC    X'FD14'     DELAY 2 SECS   TIME = 295 SECS              VERISW
001CA2 1C01                    3669        DC    X'1C01'     PLLB  = 1                                  VERISW
001CA4 FD28                    3670        DC    X'FD28'     DELAY 4 SECS   TIME = 299 SECS              VERISW
001CA6 1D4F                    3671        DC    X'1D4F'     PWHF  = 1615                               VERISW
001CA8 1E06                    3672        DC    X'1E06'     PWHF  = 1615                               VERISW
001CAA 24BE                    3673        DC    X'24BE'     PWLF  = 190                                VERISW
001CAC 1206                    3674        DC    X'1206'     EPEENG= 6                                  VERISW
001CAE 1401                    3675        DC    X'1401'     EPEFIX= 1                                  VERISW
001CB0 FD32                    3676        DC    X'FD32'     DELAY 5 SECS   TIME = 304 SECS              VERISW
001CB2 1400                    3677        DC    X'1400'     EPEFIX= 0                                  VERISW
001CB4 FD3C                    3678        DC    X'FD3C'     DELAY 6 SECS   TIME = 310 SECS              VERISW
001CB6 2E01                    3679        DC    X'2E01'     PHOFL = 1                                  VERISW
001CB8 FD28                    3680        DC    X'FD28'     DELAY 4 SECS   TIME = 314 SECS              VERISW
001CBA 1DA4                    3681        DC    X'1DA4'     PWHF  = 1700                               VERISW
001CBC 1E06                    3682        DC    X'1E06'     PWHF  = 1700                               VERISW
001CBE 24C8                    3683        DC    X'24C8'     PWLF  = 200                                VERISW
001CC0 1207                    3684        DC    X'1207'     EPEENG= 7                                  VERISW
001CC2 1401                    3685        DC    X'1401'     EPEFIX= 1                                  VERISW
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001CC4 FD32          3686        DC    X'FD32'     DELAY 5 SECS   TIME = 319 SECS    VERISW
001CC6 1400          3687        DC    X'1400'     EPEFIX= 0                         VERISW
001CC8 FD3C          3688        DC    X'FD3C'     DELAY 6 SECS   TIME = 325 SECS    VERISW
001CCA 2E02          3689        DC    X'2E02'     PHOFL = 2                         VERISW
001CCC FD28          3690        DC    X'FD28'     DELAY 4 SECS   TIME = 329 SECS    VERISW
001CCE 1DF9          3691        DC    X'1DF9'     PWHF  = 1785                      VERISW
001CD0 1EC6          3692        DC    X'1E06'     PWHF  = 1785                      VERISW
001CD2 24D2          3693        DC    X'24D2'     PWLF  = 210                       VERISW
001CD4 1208          3694        DC    X'1208'     EPEENG= 8                         VERISW
001CD6 1401          3695        DC    X'1401'     EPEFIX= 1                         VERISW
001CD8 FD32          3696        DC    X'FD32'     DELAY 5 SECS   TIME = 334 SECS    VERISW
001CDA 1400          3697        DC    X'1400'     EPEFIX= 0                         VERISW
001CDC FD28          3698        DC    X'FD28'     DELAY 4 SECS   TIME = 338 SECS    VERISW
001CDE 2FC4          3699        DC    X'2F04'     PHOIR = 4                         VERISW
001CE0 FD14          3700        DC    X'FD14'     DELAY 2 SECS   TIME = 340 SECS    VERISW
001CE2 1C00          3701        DC    X'1C00'     PLLB  = 0                         VERISW
001CE4 FD28          3702        DC    X'FD28'     DELAY 4 SECS   TIME = 344 SECS    VERISW
001CE6 1D4E          3703        DC    X'1D4E'     PWHF  = 1870                      VERISW
001CE8 1EC7          3704        DC    X'1E07'     PWHF  = 1870                      VERISW
001CEA 24DC          3705        DC    X'24DC'     PWLF  = 220                       VERISW
001CEC 1209          3706        DC    X'1209'     EPEENG= 9                         VERISW
001CEE 1401          3707        DC    X'1401'     EPEFIX= 1                         VERISW
001CF0 FD32          3708        DC    X'FD32'     DELAY 5 SECS   TIME = 349 SECS    VERISW
001CF2 1400          3709        DC    X'1400'     EPEFIX= 0                         VERISW
001CF4 FD3C          3710        DC    X'FD3C'     DELAY 6 SECS   TIME = 355 SECS    VERISW
001CF6 2E01          3711        DC    X'2E01'     PHOFL = 1                         VERISW
001CF8 FD28          3712        DC    X'FD28'     DELAY 4 SECS   TIME = 359 SECS    VERISW
001CFA 1DA3          3713        DC    X'1DA3'     PWHF  = 1955                      VERISW
001CFC 1EC7          3714        DC    X'1E07'     PWHF  = 1955                      VERISW
001CFE 24E6          3715        DC    X'24E6'     PWLF  = 230                       VERISW
001D00 120A          3716        DC    X'120A'     EPEENG= 10                        VERISW
001D02 1401          3717        DC    X'1401'     EPEFIX= 1                         VERISW
001D04 FD32          3718        DC    X'FD32'     DELAY 5 SECS   TIME = 364 SECS    VERISW
001D06 1400          3719        DC    X'1400'     EPEFIX= 0                         VERISW
001D08 FD3C          3720        DC    X'FD3C'     DELAY 6 SECS   TIME = 370 SECS    VERISW
001D0A 2E00          3721        DC    X'2E00'     PHOFL = 0                         VERISW
001D0C FD28          3722        DC    X'FD28'     DELAY 4 SECS   TIME = 374 SECS    VERISW
001D0E 1DF8          3723        DC    X'1DF8'     PWHF  = 2040                      VERISW
001D10 1E07          3724        DC    X'1E07'     PWHF  = 2040                      VERISW
001D12 24F0          3725        DC    X'24F0'     PWLF  = 240                       VERISW
001D14 1208          3726        DC    X'1208'     EPEENG= 11                        VERISW
001D16 1401          3727        DC    X'1401'     EPEFIX= 1                         VERISW
001D18 FD32          3728        DC    X'FD32'     DELAY 5 SECS   TIME = 379 SECS    VERISW
001D1A 1400          3729        DC    X'1400'     EPEFIX= 0                         VERISW
001D1C FD3C          3730        DC    X'FD3C'     DELAY 6 SECS   TIME = 385 SECS    VERISW
001D1E 2F0F          3731        DC    X'2F0F'     PHOIR = 15                        VERISW
001D20 2D1F          3732        DC    X'2D1F'     PHOAG = 31                        VERISW
001D22 1B01          3733        DC    X'1B01'     PLLSWP= 1                         VERISW
001D24 FD28          3734        DC    X'FD28'     DELAY 4 SECS   TIME = 389 SECS    VERISW
001D26 1DFF          3735        DC    X'1DFF'     PWHF  = 2047                      VERISW
001D28 1EC7          3736        DC    X'1E07'     PWHF  = 2047                      VERISW
001D2A 24FF          3737        DC    X'24FF'     PWLF  = 255                       VERISW
001D2C FAFE          3738        DC    X'FAFE'   END DGPT21                          VERISW
001D2E FA76          3739        DC    X'FA76'   -->START DGPT30 (FO#04 T-3)         VERISW
001D30 F889          3740        DC    X'F889'     CALL DGPF04                       VERISW
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LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT			
001D32	FD28			3741	DC	X'FD28'	DELAY 4 SECS TIME = 4 SECS	VERISW
001D34	1400			3742	DC	X'1400'	EPEFIX= 0	VERISW
001D36	FD64			3743	DC	X'FD64'	DELAY 10 SECS TIME = 14 SECS	VERISW
001D38	1200			3744	DC	X'1200'	EPEENG= 0	VERISW
001D3A	1401			3745	DC	X'1401'	EPEFIX= 1	VERISW
001D3C	FD32			3746	DC	X'FD32'	DELAY 5 SECS TIME = 19 SECS	VERISW
001D3E	1400			3747	DC	X'1400'	EPEFIX= 0	VERISW
001D40	FD64			3748	DC	X'FD64'	DELAY 10 SECS TIME = 29 SECS	VERISW
001D42	120F			3749	DC	X'120F'	EPEENG= 15	VERISW
001D44	1401			3750	DC	X'1401'	EPEFIX= 1	VERISW
001D46	FD32			3751	DC	X'FD32'	DELAY 5 SECS TIME = 34 SECS	VERISW
001D48	1400			3752	DC	X'1400'	EPEFIX= 0	VERISW
001D4A	FD64			3753	DC	X'FD64'	DELAY 10 SECS TIME = 44 SECS	VERISW
001D4C	121F			3754	DC	X'121F'	EPEENG= 31	VERISW
001D4E	1401			3755	DC	X'1401'	EPEFIX= 1	VERISW
001D50	FD32			3756	DC	X'FD32'	DELAY 5 SECS TIME = 49 SECS	VERISW
001D52	1400			3757	DC	X'1400'	EPEFIX= 0	VERISW
001D54	FD3C			3758	DC	X'FD3C'	DELAY 6 SECS TIME = 55 SECS	VERISW
001D56	1DE8			3759	DC	X'1DE8'	PWHF = 1000	VERISW
001D58	1E03			3760	DC	X'1E03'	PWHF = 1000	VERISW
001D5A	247F			3761	DC	X'247F'	PWLF = 127	VERISW
001D5C	FD28			3762	DC	X'FD28'	DELAY 4 SECS TIME = 59 SECS	VERISW
001D5E	1200			3763	DC	X'1200'	EPEENG= 0	VERISW
001D60	1401			3764	DC	X'1401'	EPEFIX= 1	VERISW
001D62	FD32			3765	DC	X'FD32'	DELAY 5 SECS TIME = 64 SECS	VERISW
001D64	1400			3766	DC	X'1400'	EPEFIX= 0	VERISW
001D66	FD64			3767	DC	X'FD64'	DELAY 10 SECS TIME = 74 SECS	VERISW
001D68	1401			3768	DC	X'1401'	EPEFIX= 1	VERISW
001D6A	FD32			3769	DC	X'FD32'	DELAY 5 SECS TIME = 79 SECS	VERISW
001D6C	1400			3770	DC	X'1400'	EPEFIX= 0	VERISW
001D6E	FD64			3771	DC	X'FD64'	DELAY 10 SECS TIME = 89 SECS	VERISW
001D70	120F			3772	DC	X'120F'	EPEENG= 15	VERISW
001D72	1401			3773	DC	X'1401'	EPEFIX= 1	VERISW
001D74	FD32			3774	DC	X'FD32'	DELAY 5 SECS TIME = 94 SECS	VERISW
001D76	1400			3775	DC	X'1400'	EPEFIX= 0	VERISW
001D78	FD64			3776	DC	X'FD64'	DELAY 10 SECS TIME = 104 SECS	VERISW
001D7A	121F			3777	DC	X'121F'	EPEENG= 31	VERISW
001D7C	1401			3778	DC	X'1401'	EPEFIX= 1	VERISW
001D7E	FD32			3779	DC	X'FD32'	DELAY 5 SECS TIME = 109 SECS	VERISW
001D80	1400			3780	DC	X'1400'	EPEFIX= 0	VERISW
001D82	FD3C			3781	DC	X'FD3C'	DELAY 6 SECS TIME = 115 SECS	VERISW
001D84	1D00			3782	DC	X'1D00'	PWHF = 2000	VERISW
001D86	1EC7			3783	DC	X'1EC7'	PWHF = 2000	VERISW
001D88	24FE			3784	DC	X'24FE'	PWLF = 254	VERISW
001D8A	FD28			3785	DC	X'FD28'	DELAY 4 SECS TIME = 119 SECS	VERISW
001D8C	1200			3786	DC	X'1200'	EPEENG= 0	VERISW
001D8E	1401			3787	DC	X'1401'	EPEFIX= 1	VERISW
001D90	FD32			3788	DC	X'FD32'	DELAY 5 SECS TIME = 124 SECS	VERISW
001D92	1400			3789	DC	X'1400'	EPEFIX= 0	VERISW
001D94	FD64			3790	DC	X'FD64'	DELAY 10 SECS TIME = 134 SECS	VERISW
001D96	1401			3791	DC	X'1401'	EPEFIX= 1	VERISW
001D98	FD32			3792	DC	X'FD32'	DELAY 5 SECS TIME = 139 SECS	VERISW
001D9A	1400			3793	DC	X'1400'	EPEFIX= 0	VERISW
001D9C	FD64			3794	DC	X'FD64'	DELAY 10 SECS TIME = 149 SECS	VERISW
001D9E	120F			3795	DC	X'120F'	EPEENG= 15	VERISW

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT			F22NOV74 10/14/81
001DA0	1401			3796	DC	X'1401'	EPEFIX= 1	VER15N
001DA2	FD32			3797	DC	X'FD32'	DELAY 5 SECS TIME = 154 SECS	VER15N
001DA4	1400			3798	DC	X'1400'	EPEFIX= 0	VER15N
001DA6	FD64			3799	DC	X'FD64'	DELAY 10 SECS TIME = 164 SECS	VER15N
001DA8	121F			3800	DC	X'121F'	EPEENG= 31	VER15N
001DAA	1401			3801	DC	X'1401'	EPEFIX= 1	VER15N
001DAC	FD32			3802	DC	X'FD32'	DELAY 5 SECS TIME = 169 SECS	VER15N
001DAE	1400			3803	DC	X'1400'	EPEFIX= 0	VER15N
001DB0	FD3C			3804	DC	X'FD3C'	DELAY 6 SECS TIME = 175 SECS	VER15N
001DB2	1D00			3805	DC	X'1D00'	PWHF = 0	VER15N
001DB4	1E00			3806	DC	X'1E00'	PWHF = 0	VER15N
001DB6	1F00			3807	DC	X'1F00'	PWHBS = 0	VER15N
001DB8	2400			3808	DC	X'2400'	PWLF = 0	VER15N
001DBA	FD28			3809	DC	X'FD28'	DELAY 4 SECS TIME = 179 SECS	VER15N
001DBC	1200			3810	DC	X'1200'	EPEENG= 0	VER15N
001DBE	1401			3811	DC	X'1401'	EPEFIX= 1	VER15N
001DC0	FD32			3812	DC	X'FD32'	DELAY 5 SECS TIME = 184 SECS	VER15N
001DC2	1400			3813	DC	X'1400'	EPEFIX= 0	VER15N
001DC4	FD64			3814	DC	X'FD64'	DELAY 10 SECS TIME = 194 SECS	VER15N
001DC6	1401			3815	DC	X'1401'	EPEFIX= 1	VER15N
001DC8	FD32			3816	DC	X'FD32'	DELAY 5 SECS TIME = 199 SECS	VER15N
001DCA	1400			3817	DC	X'1400'	EPEFIX= 0	VER15N
001DCC	FD3C			3818	DC	X'FD3C'	DELAY 6 SECS TIME = 205 SECS	VER15N
001DCE	1D92			3819	DC	X'1D92'	PWHF = 146	VER15N
001DD0	1E00			3820	DC	X'1E00'	PWHF = 146	VER15N
001DD2	1F01			3821	DC	X'1F01'	PWHBS = 1	VER15N
001DD4	2412			3822	DC	X'2412'	PWLF = 18	VER15N
001DD6	FD28			3823	DC	X'FD28'	DELAY 4 SECS TIME = 209 SECS	VER15N
001DD8	1202			3824	DC	X'1202'	EPEENG= 2	VER15N
001DDA	1401			3825	DC	X'1401'	EPEFIX= 1	VER15N
001DDC	FD32			3826	DC	X'FD32'	DELAY 5 SECS TIME = 214 SECS	VER15N
001DDE	1400			3827	DC	X'1400'	EPEFIX= 0	VER15N
001DE0	FD3C			3828	DC	X'FD3C'	DELAY 6 SECS TIME = 220 SECS	VER15N
001DE2	1D24			3829	DC	X'1D24'	PWHF = 292	VER15N
001DE4	1E01			3830	DC	X'1E01'	PWHF = 292	VER15N
001DE6	1F00			3831	DC	X'1F00'	PWHBS = 0	VER15N
001DE8	2424			3832	DC	X'2424'	PWLF = 36	VER15N
001DEA	FD28			3833	DC	X'FD28'	DELAY 4 SECS TIME = 224 SECS	VER15N
001DEC	1204			3834	DC	X'1204'	EPEENG= 4	VER15N
001DEE	1401			3835	DC	X'1401'	EPEFIX= 1	VER15N
001DF0	FD32			3836	DC	X'FD32'	DELAY 5 SECS TIME = 229 SECS	VER15N
001DF2	1400			3837	DC	X'1400'	EPEFIX= 0	VER15N
001DF4	FD3C			3838	DC	X'FD3C'	DELAY 6 SECS TIME = 235 SECS	VER15N
001DF6	1C02			3839	DC	X'1C02'	PLLB = 2	VER15N
001DF8	1D86			3840	DC	X'1D86'	PWHF = 438	VER15N
001DFA	1E01			3841	DC	X'1E01'	PWHF = 438	VER15N
001DFC	1F01			3842	DC	X'1F01'	PWHBS = 1	VER15N
001DFE	2436			3843	DC	X'2436'	PWLF = 54	VER15N
001E00	FD28			3844	DC	X'FD28'	DELAY 4 SECS TIME = 239 SECS	VER15N
001E02	1206			3845	DC	X'1206'	EPEENG= 6	VER15N
001E04	1401			3846	DC	X'1401'	EPEFIX= 1	VER15N
001E06	FAFE			3847	DC	X'FAFE'	END OF DGPT30	VER15N
001E08	FA77			3848	DC	X'FA77'	-->START DGPT31	VER15N
001E0A	FD28			3849	DC	X'FD28'	DELAY 4 SECS TIME = 244 SECS	VER15N
001E0C	1400			3850	DC	X'1400'	EPEFIX= 0	VER15N

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT		F22NOV74 10/14/81
001E0E	FD64			3851	DC X'FD64'	DELAY 10 SECS TIME = 254 SECS	VER1SN
001E10	1401			3852	DC X'1401'	EPEFIX= 1	VER1SN
001E12	FD32			3853	DC X'FD32'	DELAY 5 SECS TIME = 259 SECS	VER1SN
001E14	1400			3854	DC X'1400'	EPEFIX= 0	VER1SN
001E16	FD3C			3855	DC X'FD3C'	DELAY 6 SECS TIME = 265 SECS	VER1SN
001E18	1D48			3856	DC X'1D48'	PWHF = 584	VER1SN
001E1A	1E02			3857	DC X'1E02'	PWHF = 584	VER1SN
001E1C	1F00			3858	DC X'1F00'	PWHBS = 0	VER1SN
001E1E	2448			3859	DC X'2448'	PWLF = 72	VER1SN
001E20	FD28			3860	DC X'FD28'	DELAY 4 SECS TIME = 269 SECS	VER1SN
001E22	1208			3861	DC X'1208'	EPEENG= 8	VER1SN
001E24	1401			3862	DC X'1401'	EPEFIX= 1	VER1SN
001E26	FD32			3863	DC X'FD32'	DELAY 5 SECS TIME = 274 SECS	VER1SN
001E28	1400			3864	DC X'1400'	EPEFIX= 0	VER1SN
001E2A	FD3C			3865	DC X'FD3C'	DELAY 6 SECS TIME = 280 SECS	VER1SN
001E2C	1DDA			3866	DC X'1DDA'	PWHF = 730	VER1SN
001E2E	1E02			3867	DC X'1E02'	PWHF = 730	VER1SN
001E30	1F01			3868	DC X'1F01'	PWHBS = 1	VER1SN
001E32	245A			3869	DC X'245A'	PWLF = 90	VER1SN
001E34	FD28			3870	DC X'FD28'	DELAY 4 SECS TIME = 284 SECS	VER1SN
001E36	1208			3871	DC X'1208'	EPEENG= 11	VER1SN
001E38	1401			3872	DC X'1401'	EPEFIX= 1	VER1SN
001E3A	FD32			3873	DC X'FD32'	DELAY 5 SECS TIME = 289 SECS	VER1SN
001E3C	1400			3874	DC X'1400'	EPEFIX= 0	VER1SN
001E3E	FD3C			3875	DC X'FD3C'	DELAY 6 SECS TIME = 295 SECS	VER1SN
001E40	2E01			3876	DC X'2E01'	PHOFL = 1	VER1SN
001E42	1C01			3877	DC X'1C01'	PLLB = 1	VER1SN
001E44	1D6C			3878	DC X'1D6C'	PWHF = 876	VER1SN
001E46	1E03			3879	DC X'1E03'	PWHF = 876	VER1SN
001E48	1F00			3880	DC X'1F00'	PWHBS = 0	VER1SN
001E4A	246C			3881	DC X'246C'	PWLF = 108	VER1SN
001E4C	FD28			3882	DC X'FD28'	DELAY 4 SECS TIME = 299 SECS	VER1SN
001E4E	120D			3883	DC X'120D'	EPEENG= 13	VER1SN
001E50	1401			3884	DC X'1401'	EPEFIX= 1	VER1SN
001E52	FD32			3885	DC X'FD32'	DELAY 5 SECS TIME = 304 SECS	VER1SN
001E54	1400			3886	DC X'1400'	EPEFIX= 0	VER1SN
001E56	FD64			3887	DC X'FD64'	DELAY 10 SECS TIME = 314 SECS	VER1SN
001E58	1401			3888	DC X'1401'	EPEFIX= 1	VER1SN
001E5A	FD32			3889	DC X'FD32'	DELAY 5 SECS TIME = 319 SECS	VER1SN
001E5C	1400			3890	DC X'1400'	EPEFIX= 0	VER1SN
001E5E	FD3C			3891	DC X'FD3C'	DELAY 6 SECS TIME = 325 SECS	VER1SN
001E60	1DFE			3892	DC X'1DFE'	PWHF = 1022	VER1SN
001E62	1E03			3893	DC X'1E03'	PWHF = 1022	VER1SN
001E64	1F01			3894	DC X'1F01'	PWHBS = 1	VER1SN
001E66	247E			3895	DC X'247E'	PWLF = 126	VER1SN
001E68	FD28			3896	DC X'FD28'	DELAY 4 SECS TIME = 329 SECS	VER1SN
001E6A	120F			3897	DC X'120F'	EPEENG= 15	VER1SN
001E6C	1401			3898	DC X'1401'	EPEFIX= 1	VER1SN
001E6E	FD32			3899	DC X'FD32'	DELAY 5 SECS TIME = 334 SECS	VER1SN
001E70	1400			3900	DC X'1400'	EPEFIX= 0	VER1SN
001E72	FD3C			3901	DC X'FD3C'	DELAY 6 SECS TIME = 340 SECS	VER1SN
001E74	1D90			3902	DC X'1D90'	PWHF = 1168	VER1SN
001E76	1E04			3903	DC X'1E04'	PWHF = 1168	VER1SN
001E78	1F00			3904	DC X'1F00'	PWHBS = 0	VER1SN
001E7A	2491			3905	DC X'2491'	PWLF = 145	VER1SN

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001E7C FD28                    3906        DC    X'FD28'    DELAY 4 SECS   TIME = 344 SECS    VERISW
001E7E 1211                    3907        DC    X'1211'    EPEENG= 17                        VERISW
001E80 1401                    3908        DC    X'1401'    EPEFIX= 1                         VERISW
001E82 FD32                    3909        DC    X'FD32'    DELAY 5 SECS   TIME = 349 SECS    VERISW
001E84 1400                    3910        DC    X'1400'    EPEFIX= 0                         VERISW
001E86 FD3C                    3911        DC    X'FD3C'    DELAY 6 SECS   TIME = 355 SECS    VERISW
001E88 2E02                    3912        DC    X'2E02'    PHOFL = 2                         VERISW
001E8A 1C00                    3913        DC    X'1C00'    PLLB  = 0                         VERISW
001E8C 1D22                    3914        DC    X'1D22'    PWHF  = 1314                      VERISW
001E8E 1E05                    3915        DC    X'1E05'    PWHF  = 1314                      VERISW
001E90 1F01                    3916        DC    X'1F01'    PWHBS = 1                         VERISW
001E92 24A3                    3917        DC    X'24A3'    PWLF  = 163                       VERISW
001E94 FD28                    3918        DC    X'FD28'    DELAY 4 SECS   TIME = 359 SECS    VERISW
001E96 1213                    3919        DC    X'1213'    EPEENG= 19                        VERISW
001E98 1401                    3920        DC    X'1401'    EPEFIX= 1                         VERISW
001E9A FD32                    3921        DC    X'FD32'    DELAY 5 SECS   TIME = 364 SECS    VERISW
001E9C 1400                    3922        DC    X'1400'    EPEFIX= 0                         VERISW
001E9E FD64                    3923        DC    X'FD64'    DELAY 10 SECS  TIME = 374 SECS    VERISW
001EA0 1401                    3924        DC    X'1401'    EPEFIX= 1                         VERISW
001EA2 FD32                    3925        DC    X'FD32'    DELAY 5 SECS   TIME = 379 SECS    VERISW
001EA4 1400                    3926        DC    X'1400'    EPEFIX= 0                         VERISW
001EA6 FD3C                    3927        DC    X'FD3C'    DELAY 6 SECS   TIME = 385 SECS    VERISW
001EA8 1D04                    3928        DC    X'1D84'    PWHF  = 1460                      VERISW
001EAA 1E05                    3929        DC    X'1E05'    PWHF  = 1460                      VERISW
001EAC 1F00                    3930        DC    X'1F00'    PWHBS = 0                         VERISW
001EAE 24B5                    3931        DC    X'24B5'    PWLF  = 181                       VERISW
001EB0 FD28                    3932        DC    X'FD28'    DELAY 4 SECS   TIME = 389 SECS    VERISW
001EB2 1216                    3933        DC    X'1216'    EPEENG= 22                        VERISW
001EB4 1401                    3934        DC    X'1401'    EPEFIX= 1                         VERISW
001EB6 FD32                    3935        DC    X'FD32'    DELAY 5 SECS   TIME = 394 SECS    VERISW
001EB8 1400                    3936        DC    X'1400'    EPEFIX= 0                         VERISW
001EBA FD3C                    3937        DC    X'FD3C'    DELAY 6 SECS   TIME = 400 SECS    VERISW
001EBC 1D46                    3938        DC    X'1D46'    PWHF  = 1606                      VERISW
001EBE 1E06                    3939        DC    X'1E06'    PWHF  = 1606                      VERISW
001EC0 1F01                    3940        DC    X'1F01'    PWHBS = 1                         VERISW
001EC2 24C7                    3941        DC    X'24C7'    PWLF  = 199                       VERISW
001EC4 FD28                    3942        DC    X'FD28'    DELAY 4 SECS   TIME = 404 SECS    VERISW
001EC6 1218                    3943        DC    X'1218'    EPEENG= 24                        VERISW
001EC8 1401                    3944        DC    X'1401'    EPEFIX= 1                         VERISW
001ECA FD32                    3945        DC    X'FD32'    DELAY 5 SECS   TIME = 409 SECS    VERISW
001ECC 1400                    3946        DC    X'1400'    EPEFIX= 0                         VERISW
001ECE FD3C                    3947        DC    X'FD3C'    DELAY 6 SECS   TIME = 415 SECS    VERISW
001ED0 2E00                    3948        DC    X'2E00'    PHOFL = 0                         VERISW
001ED2 2F02                    3949        DC    X'2F02'    PHOIR = 2                         VERISW
001ED4 1C03                    3950        DC    X'1C03'    PLLB  = 3                         VERISW
001ED6 1DD8                    3951        DC    X'1DD8'    PWHF  = 1752                      VERISW
001ED8 1E06                    3952        DC    X'1E06'    PWHF  = 1752                      VERISW
001EDA 1F00                    3953        DC    X'1F00'    PWHBS = 0                         VERISW
001EDC 24D9                    3954        DC    X'24D9'    PWLF  = 217                       VERISW
001EDE FD28                    3955        DC    X'FD28'    DELAY 4 SECS   TIME = 419 SECS    VERISW
001EE0 121A                    3956        DC    X'121A'    EPEENG= 26                        VERISW
001EE2 1401                    3957        DC    X'1401'    EPEFIX= 1                         VERISW
001EE4 FD28                    3958        DC    X'FD28'    DELAY 4 SECS   TIME = 423 SECS    VERISW
001EE6 2D10                    3959        DC    X'2D10'    PHOAC = 16                        VERISW
001EE8 FD0A                    3960        DC    X'FD0A'    DELAY 1 SECS   TIME = 424 SECS    VERISW
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 LOC  OBJECT CODE    ADDR1 ADDR2  STMT   SOURCE STATEMENT                                F22NOV74  10/14/81

001EFA 1400                      3961          DC    X'1400'          EPEFIX= 0                                VERISW
001EFC FD64                      3962          DC    X'FD64'          DELAY 10 SECS  TIME = 434 SECS           VERISW
001EFE 1401                      3963          DC    X'1401'          EPEFIX= 1                                VERISW
001F00 FD28                      3964          DC    X'FD28'          DELAY 4 SECS   TIME = 438 SECS           VERISW
001F02 2D14                      3965          DC    X'2D14'          PHOAG = 20                               VERISW
001F04 FD0A                      3966          DC    X'FD0A'          DELAY 1 SECS   TIME = 439 SECS           VERISW
001F06 1400                      3967          DC    X'1400'          EPEFIX= 0                                VERISW
001F08 FD3C                      3968          DC    X'FD3C'          DELAY 6 SECS   TIME = 445 SECS           VERISW
001F0A 1D6A                      3969          DC    X'1D6A'          PWHF  = 1898                             VERISW
001F0C 1EC7                      3970          DC    X'1EC7'          PWHF  = 1898                             VERISW
001F0E 1F01                      3971          DC    X'1F01'          PWHBS = 1                                VERISW
001F10 24EB                      3972          DC    X'24EB'          PWLF  = 235                              VERISW
001F12 FD28                      3973          DC    X'FD28'          DELAY 4 SECS   TIME = 449 SECS           VERISW
001F14 121C                      3974          DC    X'121C'          EPEENG= 28                               VERISW
001F16 1401                      3975          DC    X'1401'          EPEFIX= 1                                VERISW
001F18 FD28                      3976          DC    X'FD28'          DELAY 4 SECS   TIME = 453 SECS           VERISW
001F1A 2D18                      3977          DC    X'2D18'          PHOAG = 24                               VERISW
001F1C FD0A                      3978          DC    X'FD0A'          DELAY 1 SECS   TIME = 454 SECS           VERISW
001F1E 1400                      3979          DC    X'1400'          EPEFIX= 0                                VERISW
001F20 FD3C                      3980          DC    X'FD3C'          DELAY 6 SECS   TIME = 460 SECS           VERISW
001F22 1DFC                      3981          DC    X'1DFC'          PWHF  = 2044                             VERISW
001F24 1E07                      3982          DC    X'1E07'          PWHF  = 2044                             VERISW
001F26 1F00                      3983          DC    X'1F00'          PWHBS = 0                                VERISW
001F28 24FE                      3984          DC    X'24FE'          PWLF  = 254                              VERISW
001F2A FD28                      3985          DC    X'FD28'          DELAY 4 SECS   TIME = 464 SECS           VERISW
001F2C 121F                      3986          DC    X'121F'          EPEENG= 31                               VERISW
001F2E 1401                      3987          DC    X'1401'          EPEFIX= 1                                VERISW
001F30 FD28                      3988          DC    X'FD28'          DELAY 4 SECS   TIME = 468 SECS           VERISW
001F32 2F06                      3989          DC    X'2F06'          PHOIR = 6                                VERISW
001F34 2D0C                      3990          DC    X'2D0C'          PHOAG = 12                               VERISW
001F36 FD0A                      3991          DC    X'FD0A'          DELAY 1 SECS   TIME = 469 SECS           VERISW
001F38 1400                      3992          DC    X'1400'          EPEFIX= 0                                VERISW
001F3A FD3C                      3993          DC    X'FD3C'          DELAY 6 SECS   TIME = 475 SECS           VERISW
001F3C 1D00                      3994          DC    X'1D00'          PWHF  = 0                                VERISW
001F3E 1E00                      3995          DC    X'1E00'          PWHF  = 0                                VERISW
001F40 1F00                      3996          DC    X'1F00'          PWHBS = 0                                VERISW
001F42 2400                      3997          DC    X'2400'          PWLF  = 0                                VERISW
001F44 FD28                      3998          DC    X'FD28'          DELAY 4 SECS   TIME = 479 SECS           VERISW
001F46 1200                      3999          DC    X'1200'          EPEENG= 0                                VERISW
001F48 1401                      4000          DC    X'1401'          EPEFIX= 1                                VERISW
001F4A FAFE                      4001          DC    X'FAFE'        END OF DGPT31                              VERISW
001F4C FA78                      4002          DC    X'FA78'      -->START CALF02                              VERISW
001F4E FF19                      4003          DC    X'FF19'          IF F02                                   VERISW
001F50 F89E                      4004          DC    X'F89E'            CALL CALSET5                           VERISW
001F52 F89E                      4005          DC    X'F89E'            CALL CALSET5                           VERISW
001F54 F89E                      4006          DC    X'F89E'            CALL CALSET5                           VERISW
001F56 F89E                      4007          DC    X'F89E'            CALL CALSET5                           VERISW
001F58 F89E                      4008          DC    X'F89E'            CALL CALSET5                           VERISW
001F5A F89E                      4009          DC    X'F89E'            CALL CALSET5                           VERISW
001F5C F89F                      4010          DC    X'F89F'            CALL CALSET4                           VERISW
001F5E F89F                      4011          DC    X'F89F'            CALL CALSET4                           VERISW
001F60 FFFE                      4012          DC    X'FFFE'          ENDIF                                    VERISW
001F62 FAFE                      4013          DC    X'FAFE'        END CALF02                                 VERISW
001F64 FA79                      4014          DC    X'FA79'      -->START DGPT33                              VERISW
001F66 FD28                      4015          DC    X'FD28'          DELAY 4 SECS   TIME = 724 SECS           VERISW
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001F58 1400              4016          DC    X'1400'     EPEFIX= 0                                VER1SW
001F5A FD64              4017          DC    X'FD64'     DELAY 10 SECS  TIME = 734 SECS          VER1SW
001F5C 1401              4018          DC    X'1401'     EPEFIX= 1                                VER1SW
001F5E FD32              4019          DC    X'FD32'     DELAY 5 SECS   TIME = 739 SECS          VER1SW
001F60 1400              4020          DC    X'1400'     EPEFIX= 0                                VER1SW
001F62 FD3C              4021          DC    X'FD3C'     DELAY 6 SECS   TIME = 745 SECS          VER1SW
001F64 1D48              4022          DC    X'1D48'     PWHF  = 584                              VER1SW
001F66 1E02              4023          DC    X'1E02'     PWHF  = 584                              VER1SW
001F68 1F00              4024          DC    X'1F00'     PWHBS = 0                                VER1SW
001F6A 2448              4025          DC    X'2448'     PWLF  = 72                               VER1SW
001F6C FD28              4026          DC    X'FD28'     DELAY 4 SECS   TIME = 749 SECS          VER1SW
001F6E 1208              4027          DC    X'1208'     EPEENG= 8                                VER1SW
001F70 1401              4028          DC    X'1401'     EPEFIX= 1                                VER1SW
001F72 FD32              4029          DC    X'FD32'     DELAY 5 SECS   TIME = 754 SECS          VER1SW
001F74 1400              4030          DC    X'1400'     EPEFIX= 0                                VER1SW
001F76 FD3C              4031          DC    X'FD3C'     DELAY 6 SECS   TIME = 760 SECS          VER1SW
001F78 1DDA              4032          DC    X'1DDA'     PWHF  = 730                              VER1SW
001F7A 1E02              4033          DC    X'1E02'     PWHF  = 730                              VER1SW
001F7C 1F01              4034          DC    X'1F01'     PWHBS = 1                                VER1SW
001F7E 245A              4035          DC    X'245A'     PWLF  = 90                               VER1SW
001F80 FD28              4036          DC    X'FD28'     DELAY 4 SECS   TIME = 764 SECS          VER1SW
001F82 120A              4037          DC    X'120A'     EPEENG= 10                               VER1SW
001F84 1401              4038          DC    X'1401'     EPEFIX= 1                                VER1SW
001F86 FD32              4039          DC    X'FD32'     DELAY 5 SECS   TIME = 769 SECS          VER1SW
001F88 1400              4040          DC    X'1400'     EPEFIX= 0                                VER1SW
001F8A FD3C              4041          DC    X'FD3C'     DELAY 6 SECS   TIME = 775 SECS          VER1SW
001F8C 2E01              4042          DC    X'2E01'     PWOFL = 1                                VER1SW
001F8E 1C01              4043          DC    X'1C01'     PLLB  = 1                                VER1SW
001F90 1D6C              4044          DC    X'1D6C'     PWHF  = 876                              VER1SW
001F92 1E03              4045          DC    X'1E03'     PWHF  = 876                              VER1SW
001F94 1F00              4046          DC    X'1F00'     PWHBS = 0                                VER1SW
001F96 246C              4047          DC    X'246C'     PWLF  = 108                              VER1SW
001F98 FD28              4048          DC    X'FD28'     DELAY 4 SECS   TIME = 779 SECS          VER1SW
001F9A 120C              4049          DC    X'120C'     EPEENG= 12                               VER1SW
001F9C 1401              4050          DC    X'1401'     EPEFIX= 1                                VER1SW
001F9E FD32              4051          DC    X'FD32'     DELAY 5 SECS   TIME = 784 SECS          VER1SW
001FA0 1400              4052          DC    X'1400'     EPEFIX= 0                                VER1SW
001FA2 FD64              4053          DC    X'FD64'     DELAY 10 SECS  TIME = 794 SECS          VER1SW
001FA4 1401              4054          DC    X'1401'     EPEFIX= 1                                VER1SW
001FA6 FD32              4055          DC    X'FD32'     DELAY 5 SECS   TIME = 799 SECS          VER1SW
001FA8 1400              4056          DC    X'1400'     EPEFIX= 0                                VER1SW
001FAA FD3C              4057          DC    X'FD3C'     DELAY 6 SECS   TIME = 805 SECS          VER1SW
001FAC 1DFE              4058          DC    X'1DFE'     PWHF  = 1022                             VER1SW
001FAE 1E03              4059          DC    X'1E03'     PWHF  = 1022                             VER1SW
001FB0 1F01              4060          DC    X'1F01'     PWHBS = 1                                VER1SW
001FB2 247E              4061          DC    X'247E'     PWLF  = 126                              VER1SW
001FB4 FD28              4062          DC    X'FD28'     DELAY 4 SECS   TIME = 809 SECS          VER1SW
001FB6 120E              4063          DC    X'120E'     EPEENG= 14                               VER1SW
001FB8 1401              4064          DC    X'1401'     EPEFIX= 1                                VER1SW
001FBA FD32              4065          DC    X'FD32'     DELAY 5 SECS   TIME = 814 SECS          VER1SW
001FBC 1400              4066          DC    X'1400'     EPEFIX= 0                                VER1SW
001FBE FD3C              4067          DC    X'FD3C'     DELAY 6 SECS   TIME = 820 SECS          VER1SW
001FC0 1D90              4068          DC    X'1D90'     PWHF  = 1168                             VER1SW
001FC2 1E04              4069          DC    X'1E04'     PWHF  = 1168                             VER1SW
001FC4 1F00              4070          DC    X'1F00'     PWHBS = 0                                VER1SW
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001FC6 2490                  4071        DC    X'2490'     PWLF  = 144                          VERISW
001FC8 FD28                  4072        DC    X'FD28'     DELAY 4 SECS   TIME = 824 SECS     VERISW
001FCA 1210                  4073        DC    X'1210'     EPEENG= 16                         VERISW
001FCC 1401                  4074        DC    X'1401'     EPEFIX= 1                          VERISW
001FCE FD32                  4075        DC    X'FD32'     DELAY 5 SECS   TIME = 829 SECS     VERISW
001FD0 1400                  4076        DC    X'1400'     EPEFIX= 0                          VERISW
001FD2 FD3C                  4077        DC    X'FD3C'     DELAY 6 SECS   TIME = 835 SECS     VERISW
001FD4 2EC2                  4078        DC    X'2E02'     PHOFL = 2                          VERISW
001FD6 1C00                  4079        DC    X'1C00'     PLLB  = 0                          VERISW
001FD8 1D22                  4080        DC    X'1D22'     PWHF  = 1314                       VERISW
001FDA 1EC5                  4081        DC    X'1E05'     PWHF  = 1314                       VERISW
001FDC 1F01                  4082        DC    X'1F01'     PWHBS = 1                          VERISW
001FDE 24A2                  4083        DC    X'24A2'     PWLF  = 162                        VERISW
001FE0 FD28                  4084        DC    X'FD28'     DELAY 4 SECS   TIME = 839 SECS     VERISW
001FE2 1212                  4085        DC    X'1212'     EPEENG= 18                         VERISW
001FE4 1401                  4086        DC    X'1401'     EPEFIX= 1                          VERISW
001FE6 FD32                  4087        DC    X'FD32'     DELAY 5 SECS   TIME = 844 SECS     VERISW
001FE8 1400                  4088        DC    X'1400'     EPEFIX= 0                          VERISW
001FEA FD64                  4089        DC    X'FD64'     DELAY 10 SECS  TIME = 854 SECS     VERISW
001FEC 1401                  4090        DC    X'1401'     EPEFIX= 1                          VERISW
001FEE FD32                  4091        DC    X'FD32'     DELAY 5 SECS   TIME = 859 SECS     VERISW
001FF0 1400                  4092        DC    X'1400'     EPEFIX= 0                          VERISW
001FF2 FD3C                  4093        DC    X'FD3C'     DELAY 6 SECS   TIME = 865 SECS     VERISW
001FF4 1D84                  4094        DC    X'1D84'     PWHF  = 1460                       VERISW
001FF6 1E05                  4095        DC    X'1E05'     PWHF  = 1460                       VERISW
001FF8 1F00                  4096        DC    X'1F00'     PWHBS = 0                          VERISW
001FFA 2484                  4097        DC    X'2484'     PWLF  = 180                        VERISW
001FFC FD28                  4098        DC    X'FD28'     DELAY 4 SECS   TIME = 869 SECS     VERISW
001FFE 1214                  4099        DC    X'1214'     EPEENG= 20                         VERISW
002000 1401                  4100        DC    X'1401'     EPEFIX= 1                          VERISW
002002 FD32                  4101        DC    X'FD32'     DELAY 5 SECS   TIME = 874 SECS     VERISW
002004 1400                  4102        DC    X'1400'     EPEFIX= 0                          VERISW
002006 FD3C                  4103        DC    X'FD3C'     DELAY 6 SECS   TIME = 880 SECS     VERISW
002008 1D46                  4104        DC    X'1D46'     PWHF  = 1606                       VERISW
00200A 1E06                  4105        DC    X'1E06'     PWHF  = 1606                       VERISW
00200C 1F01                  4106        DC    X'1F01'     PWHBS = 1                          VERISW
00200E 24C6                  4107        DC    X'24C6'     PWLF  = 198                        VERISW
002010 FD28                  4108        DC    X'FD28'     DELAY 4 SECS   TIME = 884 SECS     VERISW
002012 1216                  4109        DC    X'1216'     EPEENG= 22                         VERISW
002014 1401                  4110        DC    X'1401'     EPEFIX= 1                          VERISW
002016 FD32                  4111        DC    X'FD32'     DELAY 5 SECS   TIME = 889 SECS     VERISW
002018 1400                  4112        DC    X'1400'     EPEFIX= 0                          VERISW
00201A FD3C                  4113        DC    X'FD3C'     DELAY 6 SECS   TIME = 895 SECS     VERISW
00201C 2E00                  4114        DC    X'2E00'     PHOFL = 0                          VERISW
00201E 1C03                  4115        DC    X'1C03'     PLLB  = 3                          VERISW
002020 1DD8                  4116        DC    X'1DD8'     PWHF  = 1752                       VERISW
002022 1E06                  4117        DC    X'1E06'     PWHF  = 1752                       VERISW
002024 1F00                  4118        DC    X'1F00'     PWHBS = 0                          VERISW
002026 2408                  4119        DC    X'2408'     PWLF  = 216                        VERISW
002028 FD28                  4120        DC    X'FD28'     DELAY 4 SECS   TIME = 899 SECS     VERISW
00202A 1218                  4121        DC    X'1218'     EPEENG= 24                         VERISW
00202C 1401                  4122        DC    X'1401'     EPEFIX= 1                          VERISW
00202E FD28                  4123        DC    X'FD28'     DELAY 4 SECS   TIME = 903 SECS     VERISW
002030 2F02                  4124        DC    X'2F02'     PHOIR = 2                          VERISW
002032 2D10                  4125        DC    X'2D10'     PHOAG = 16                         VERISW
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LOC  OBJECT CODE    ADDR1 ADDR2  STMT   SOURCE STATEMENT                    F22NOV74  10/14/81

002034 FD0A                      4126          DC    X'FD0A'          DELAY 1 SECS   TIME = 904 SECS      VERISW
002036 1400                      4127          DC    X'1400'          EPEFIX= 0                           VERISW
002038 FD64                      4128          DC    X'FD64'          DELAY 10 SECS  TIME = 914 SECS      VERISW
00203A 1401                      4129          DC    X'1401'          EPEFIX= 1                           VERISW
00203C FD28                      4130          DC    X'FD28'          DELAY 4 SECS   TIME = 918 SECS      VERISW
00203E 2D14                      4131          DC    X'2D14'          PHOAG = 20                          VERISW
002040 FD0A                      4132          DC    X'FD0A'          DELAY 1 SECS   TIME = 919 SECS      VERISW
002042 1400                      4133          DC    X'1400'          EPEFIX= 0                           VERISW
002044 FD3C                      4134          DC    X'FD3C'          DELAY 6 SECS   TIME = 925 SECS      VERISW
002046 1D6A                      4135          DC    X'1D6A'          PWHF  = 1898                        VERISW
002048 1EC7                      4136          DC    X'1E07'          PWHF  = 1898                        VERISW
00204A 1F01                      4137          DC    X'1F01'          PWHBS = 1                           VERISW
00204C 24EA                      4138          DC    X'24EA'          PWLF  = 234                         VERISW
00204E FD28                      4139          DC    X'FD28'          DELAY 4 SECS   TIME = 929 SECS      VERISW
002050 121A                      4140          DC    X'121A'          EPEENG= 26                          VERISW
002052 1401                      4141          DC    X'1401'          EPEFIX= 1                           VERISW
002054 FD28                      4142          DC    X'FD28'          DELAY 4 SECS   TIME = 933 SECS      VERISW
002056 2D18                      4143          DC    X'2D18'          PHOAG = 24                          VERISW
002058 FD0A                      4144          DC    X'FD0A'          DELAY 1 SECS   TIME = 934 SECS      VERISW
00205A 1400                      4145          DC    X'1400'          EPEFIX= 0                           VERISW
00205C FD3C                      4146          DC    X'FD3C'          DELAY 6 SECS   TIME = 940 SECS      VERISW
00205E 1DFC                      4147          DC    X'1DFC'          PWHF  = 2044                        VERISW
002060 1EC7                      4148          DC    X'1E07'          PWHF  = 2044                        VERISW
002062 1F00                      4149          DC    X'1F00'          PWHBS = 0                           VERISW
002064 24FC                      4150          DC    X'24FC'          PWLF  = 252                         VERISW
002066 FD28                      4151          DC    X'FD28'          DELAY 4 SECS   TIME = 944 SECS      VERISW
002068 121C                      4152          DC    X'121C'          EPEENG= 28                          VERISW
00206A 1401                      4153          DC    X'1401'          EPEFIX= 1                           VERISW
00206C FD32                      4154          DC    X'FD32'          DELAY 5 SECS   TIME = 949 SECS      VERISW
00206E 1400                      4155          DC    X'1400'          EPEFIX= 0                           VERISW
002070 FAFE                      4156          DC    X'FAFE'        END DGPT33                            VERISW
002072 FA7A                      4157          DC    X'FA7A'        -->START PH08A (FO#12 A-8A)           VERISW
002074 FD8C                      4158          DC    X'FD8C'          DELAY 14 SECS  TIME = 14 SECS       VERISW
002076 2E01                      4159          DC    X'2E01'          PHOFL = 1                           VERISW
002078 FD96                      4160          DC    X'FD96'          DELAY 15 SECS  TIME = 29 SECS       VERISW
00207A 2E02                      4161          DC    X'2E02'          PHOFL = 2                           VERISW
00207C FD6E                      4162          DC    X'FD6E'          DELAY 11 SECS  TIME = 40 SECS       VERISW
00207E 2D16                      4163          DC    X'2D16'          PHOAG = 22                          VERISW
002080 FD8E                      4164          DC    X'FD8E'          DELAY 19 SECS  TIME = 59 SECS       VERISW
002082 2E01                      4165          DC    X'2E01'          PHOFL = 1                           VERISW
002084 FD96                      4166          DC    X'FD96'          DELAY 15 SECS  TIME = 74 SECS       VERISW
002086 2E00                      4167          DC    X'2E00'          PHOFL = 0                           VERISW
002088 FD6E                      4168          DC    X'FD6E'          DELAY 11 SECS  TIME = 85 SECS       VERISW
00209A 2D12                      4169          DC    X'2D12'          PHOAG = 18                          VERISW
00208C FD3C                      4170          DC    X'FD3C'          DELAY  6 SECS  TIME = 91 SECS       VERISW
00208E 2F0A                      4171          DC    X'2F0A'          PHOIR = 10                          VERISW
002090 FD82                      4172          DC    X'FD82'          DELAY 13 SECS  TIME = 104 SECS      VERISW
002092 2E01                      4173          DC    X'2E01'          PHOFL = 1                           VERISW
002094 FD96                      4174          DC    X'FD96'          DELAY 15 SECS  TIME = 119 SECS      VERISW
002096 2E02                      4175          DC    X'2E02'          PHOFL = 2                           VERISW
002098 FD6E                      4176          DC    X'FD6E'          DELAY 11 SECS  TIME = 130 SECS      VERISW
00209A 2D0E                      4177          DC    X'2D0E'          PHOAG = 14                          VERISW
00209C FD8E                      4178          DC    X'FD8E'          DELAY 19.0                          VERISW
00209E 2E01                      4179          DC    X'2E01'          PHOFL=1                             VERISW
0020A0 FAFE                      4180          DC    X'FAFE'        END PH08A                             VERISW
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 LOC  OBJECT CODE    ADDR1 ADDR2  STMT   SOURCE STATEMENT                                F22NOV74  10/14/81

0020A2 FA7B                      4181          DC    X'FA7B'      -->START PLL8 (FO#12 A-8A)                VERISW
0020A4 FD96                      4182          DC    X'FD96'           DELAY 15 SECS   TIME = 15 SECS      VERISW
0020A6 1C01                      4183          DC    X'1C01'           PLL8  = 1                           VERISW
0020A8 FD96                      4184          DC    X'FD96'           DELAY 15 SECS   TIME = 30 SECS      VERISW
0020AA 1CC2                      4185          DC    X'1C02'           PLL8  = 2                           VERISW
0020AC FD96                      4186          DC    X'FD96'           DELAY 15 SECS   TIME = 45 SECS      VERISW
0020AE 1C03                      4187          DC    X'1C03'           PLL8  = 3                           VERISW
0020B0 FD96                      4188          DC    X'FD96'           DELAY 15 SECS   TIME = 60 SECS      VERISW
0020B2 1C00                      4189          DC    X'1C00'           PLL8  = 0                           VERISW
0020B4 FD96                      4190          DC    X'FD96'           DELAY 15 SECS   TIME = 75 SECS      VERISW
0020B6 1C01                      4191          DC    X'1C01'           PLL8  = 1                           VERISW
0020B8 FD96                      4192          DC    X'FD96'           DELAY 15 SECS   TIME = 90 SECS      VERISW
0020BA 1C02                      4193          DC    X'1C02'           PLL8  = 2                           VERISW
0020BC FD96                      4194          DC    X'FD96'           DELAY 15 SECS   TIME = 105 SECS     VERISW
0020BE 1CC3                      4195          DC    X'1C03'           PLL8  = 3                           VERISW
0020C0 FD96                      4196          DC    X'FD96'           DELAY 15 SECS   TIME = 120 SECS     VERISW
0020C2 1C00                      4197          DC    X'1C00'           PLL8  = 0                           VERISW
0020C4 FD96                      4198          DC    X'FD96'           DELAY 15 SECS   TIME = 135 SECS     VERISW
0020C6 1C01                      4199          DC    X'1C01'           PLL8  = 1                           VERISW
0020C8 FAFE                      4200          DC    X'FAFE'      END PLL8                                  VERISW
0020CA FA7C                      4201          DC    X'FA7C'      -->START PWH8 (FO#12 A-8A)                VERISW
0020CC FD96                      4202          DC    X'FD96'           DELAY 15 SECS   TIME = 15 SECS      VERISW
0020CE 1D64                      4203          DC    X'1D64'           PWHF  = 100                         VERISW
0020D0 1E00                      4204          DC    X'1E00'           PWHF  = 100                         VERISW
0020D2 1F01                      4205          DC    X'1F01'           PWHBS = 1                           VERISW
0020D4 FD96                      4206          DC    X'FD96'           DELAY 15 SECS   TIME = 30 SECS      VERISW
0020D6 1DC8                      4207          DC    X'1DC8'           PWHF  = 200                         VERISW
0020D8 1E00                      4208          DC    X'1E00'           PWHF  = 200                         VERISW
0020DA 1F00                      4209          DC    X'1F00'           PWHBS = 0                           VERISW
0020DC FD96                      4210          DC    X'FD96'           DELAY 15 SECS   TIME = 45 SECS      VERISW
0020DE 1D2C                      4211          DC    X'1D2C'           PWHF  = 300                         VERISW
0020E0 1E01                      4212          DC    X'1E01'           PWHF  = 300                         VERISW
0020E2 1F01                      4213          DC    X'1F01'           PWHBS = 1                           VERISW
0020E4 FD96                      4214          DC    X'FD96'           DELAY 15 SECS   TIME = 60 SECS      VERISW
0020E6 1D90                      4215          DC    X'1D90'           PWHF  = 400                         VERISW
0020E8 1EC1                      4216          DC    X'1E01'           PWHF  = 400                         VERISW
0020EA 1F00                      4217          DC    X'1F00'           PWHBS = 0                           VERISW
0020EC FD96                      4218          DC    X'FD96'           DELAY 15 SECS   TIME = 75 SECS      VERISW
0020EE 1DF4                      4219          DC    X'1DF4'           PWHF  = 500                         VERISW
0020F0 1E01                      4220          DC    X'1E01'           PWHF  = 500                         VERISW
0020F2 1F01                      4221          DC    X'1F01'           PWHBS = 1                           VERISW
0020F4 FD96                      4222          DC    X'FD96'           DELAY 15 SECS   TIME = 90 SECS      VERISW
0020F6 1D58                      4223          DC    X'1D58'           PWHF  = 600                         VERISW
0020F8 1E02                      4224          DC    X'1E02'           PWHF  = 600                         VERISW
0020FA 1F00                      4225          DC    X'1F00'           PWHBS = 0                           VERISW
0020FC FD96                      4226          DC    X'FD96'           DELAY 15 SECS   TIME = 105 SECS     VERISW
0020FE 1D8C                      4227          DC    X'1D8C'           PWHF  = 700                         VERISW
002100 1E02                      4228          DC    X'1E02'           PWHF  = 700                         VERISW
002102 1F01                      4229          DC    X'1F01'           PWHBS = 1                           VERISW
002104 FD96                      4230          DC    X'FD96'           DELAY 15 SECS   TIME = 120 SECS     VERISW
002106 1D20                      4231          DC    X'1D20'           PWHF  = 800                         VERISW
002108 1EC3                      4232          DC    X'1E03'           PWHF  = 800                         VERISW
00210A 1F00                      4233          DC    X'1F00'           PWHBS = 0                           VERISW
00210C FD96                      4234          DC    X'FD96'           DELAY 15 SECS   TIME = 135 SECS     VERISW
00210E 1DE4                      4235          DC    X'1DE4'           PWHF  = 900                         VERISW
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002110 1EC3                  4236          DC    X'1EC3'          PWHF  = 900                          VERISW
002112 1F01                  4237          DC    X'1F01'          PWHBS = 1                            VERISW
002114 FAFE                  4238          DC    X'FAFE'        END PWH8                               VERISW
002116 FA7D                  4239          DC    X'FA7D'        -->START PWL8 (FO#12 A-8A)             VERISW
002118 FD96                  4240          DC    X'FD96'          DELAY 15 SECS   TIME = 15 SECS      VERISW
00211A 240A                  4241          DC    X'240A'          PWLF  = 10                           VERISW
00211C FD96                  4242          DC    X'FD96'          DELAY 15 SECS   TIME = 30 SECS      VERISW
00211E 2414                  4243          DC    X'2414'          PWLF  = 20                           VERISW
002120 FD96                  4244          DC    X'FD96'          DELAY 15 SECS   TIME = 45 SECS      VERISW
002122 241E                  4245          DC    X'241E'          PWLF  = 30                           VERISW
002124 FD96                  4246          DC    X'FD96'          DELAY 15 SECS   TIME = 60 SECS      VERISW
002126 2428                  4247          DC    X'2428'          PWLF  = 40                           VERISW
002128 FD96                  4248          DC    X'FD96'          DELAY 15 SECS   TIME = 75 SECS      VERISW
00212A 2432                  4249          DC    X'2432'          PWLF  = 50                           VERISW
00212C FD96                  4250          DC    X'FD96'          DELAY 15 SECS   TIME = 90 SECS      VERISW
00212E 243C                  4251          DC    X'243C'          PWLF  = 60                           VERISW
002130 FD96                  4252          DC    X'FD96'          DELAY 15 SECS   TIME = 105 SECS     VERISW
002132 2446                  4253          DC    X'2446'          PWLF  = 70                           VERISW
002134 FD96                  4254          DC    X'FD96'          DELAY 15 SECS   TIME = 120 SECS     VERISW
002136 2450                  4255          DC    X'2450'          PWLF  = 80                           VERISW
002138 FD96                  4256          DC    X'FD96'          DELAY 15 SECS   TIME = 135 SECS     VERISW
00213A 245A                  4257          DC    X'245A'          PWLF  = 90                           VERISW
00213C FAFE                  4258          DC    X'FAFE'        END PWL8                               VERISW
00213E FA7E                  4259          DC    X'FA7E'        -->START EPE8 (FO#12 A-8A)             VERISW
002140 FD32                  4260          DC    X'FD32'          DELAY 5 SECS    TIME = 5 SECS       VERISW
002142 1201                  4261          DC    X'1201'          EPEENG= 1                            VERISW
002144 FD32                  4262          DC    X'FD32'          DELAY 5 SECS    TIME = 10 SECS      VERISW
002146 1202                  4263          DC    X'1202'          EPEENG= 2                            VERISW
002148 FD32                  4264          DC    X'FD32'          DELAY 5 SECS    TIME = 15 SECS      VERISW
00214A 1203                  4265          DC    X'1203'          EPEENG= 3                            VERISW
00214C FD32                  4266          DC    X'FD32'          DELAY 5 SECS    TIME = 20 SECS      VERISW
00214E 1204                  4267          DC    X'1204'          EPEENG= 4                            VERISW
002150 FD32                  4268          DC    X'FD32'          DELAY 5 SECS    TIME = 25 SECS      VERISW
002152 1205                  4269          DC    X'1205'          EPEENG= 5                            VERISW
002154 FD32                  4270          DC    X'FD32'          DELAY 5 SECS    TIME = 30 SECS      VERISW
002156 1206                  4271          DC    X'1206'          EPEENG= 6                            VERISW
002158 FD32                  4272          DC    X'FD32'          DELAY 5 SECS    TIME = 35 SECS      VERISW
00215A 1207                  4273          DC    X'1207'          EPEENG= 7                            VERISW
00215C FD32                  4274          DC    X'FD32'          DELAY 5 SECS    TIME = 40 SECS      VERISW
00215E 1208                  4275          DC    X'1208'          EPEENG= 8                            VERISW
002160 FD32                  4276          DC    X'FD32'          DELAY 5 SECS    TIME = 45 SECS      VERISW
002162 1209                  4277          DC    X'1209'          EPEENG= 9                            VERISW
002164 FD32                  4278          DC    X'FD32'          DELAY 5 SECS    TIME = 50 SECS      VERISW
002166 120A                  4279          DC    X'120A'          EPEENG= 10                           VERISW
002168 FD32                  4280          DC    X'FD32'          DELAY 5 SECS    TIME = 55 SECS      VERISW
00216A 120B                  4281          DC    X'120B'          EPEENG= 11                           VERISW
00216C FD32                  4282          DC    X'FD32'          DELAY 5 SECS    TIME = 60 SECS      VERISW
00216E 120C                  4283          DC    X'120C'          EPEENG= 12                           VERISW
002170 FD32                  4284          DC    X'FD32'          DELAY 5 SECS    TIME = 65 SECS      VERISW
002172 120D                  4285          DC    X'120D'          EPEENG= 13                           VERISW
002174 FD32                  4286          DC    X'FD32'          DELAY 5 SECS    TIME = 70 SECS      VERISW
002176 120E                  4287          DC    X'120E'          EPEENG= 14                           VERISW
002178 FD32                  4288          DC    X'FD32'          DELAY 5 SECS    TIME = 75 SECS      VERISW
00217A 120F                  4289          DC    X'120F'          EPEENG= 15                           VERISW
00217C FD32                  4290          DC    X'FD32'          DELAY 5 SECS    TIME = 80 SECS      VERISW
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LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT		F22NOV74	10/14/81
00217E	1210			4291	DC X'1210'	EPEENG= 16		VERISW
002180	FD32			4292	DC X'FD32'	DELAY 5 SECS TIME = 85 SECS		VERISW
002182	1211			4293	DC X'1211'	EPEENG= 17		VERISW
002184	FD32			4294	DC X'FD32'	DELAY 5 SECS TIME = 90 SECS		VERISW
002186	1212			4295	DC X'1212'	EPEENG= 18		VERISW
002188	FD32			4296	DC X'FD32'	DELAY 5 SECS TIME = 95 SECS		VERISW
00218A	1213			4297	DC X'1213'	EPEENG= 19		VERISW
00218C	FD32			4298	DC X'FD32'	DELAY 5 SECS TIME = 100 SECS		VERISW
00218E	1214			4299	DC X'1214'	EPEENG= 20		VERISW
002190	FD32			4300	DC X'FD32'	DELAY 5 SECS TIME = 105 SECS		VERISW
002192	1215			4301	DC X'1215'	EPEENG= 21		VERISW
002194	FD32			4302	DC X'FD32'	DELAY 5 SECS TIME = 110 SECS		VERISW
002196	1216			4303	DC X'1216'	EPEENG= 22		VERISW
002198	FD32			4304	DC X'FD32'	DELAY 5 SECS TIME = 115 SECS		VERISW
00219A	1217			4305	DC X'1217'	EPEENG= 23		VERISW
00219C	FD32			4306	DC X'FD32'	DELAY 5 SECS TIME = 120 SECS		VERISW
00219E	1218			4307	DC X'1218'	EPEENG= 24		VERISW
0021A0	FD32			4308	DC X'FD32'	DELAY 5 SECS TIME = 125 SECS		VERISW
0021A2	1219			4309	DC X'1219'	EPEENG= 25		VERISW
0021A4	FD32			4310	DC X'FD32'	DELAY 5 SECS TIME = 130 SECS		VERISW
0021A6	121A			4311	DC X'121A'	EPEENG= 26		VERISW
0021A8	FD32			4312	DC X'FD32'	DELAY 5 SECS TIME = 135 SECS		VERISW
0021AA	121B			4313	DC X'121B'	EPEENG= 27		VERISW
0021AC	FD32			4314	DC X'FD32'	DELAY 5 SECS TIME = 140 SECS		VERISW
0021AE	121C			4315	DC X'121C'	EPEENG= 28		VERISW
0021B0	FD32			4316	DC X'FD32'	DELAY 5 SECS TIME = 145 SECS		VERISW
0021B2	121D			4317	DC X'121D'	EPEENG= 29		VERISW
0021B4	FAFE			4318	DC X'FAFE'	END EPE8		VERISW
0021B6	FA7F			4319	DC X'FA7F'	-->START PHO8B (FO#12 A-8B)		VERISW
0021B8	FD8C			4320	DC X'FD8C'	DELAY 14 SECS TIME = 14 SECS		VERISW
0021BA	2E01			4321	DC X'2E01'	PHOFL = 1		VERISW
0021BC	FD96			4322	DC X'FD96'	DELAY 15 SECS TIME = 29 SECS		VERISW
0021BE	2E02			4323	DC X'2E02'	PHOFL = 2		VERISW
0021C0	FD6E			4324	DC X'FD6E'	DELAY 11 SECS TIME = 40 SECS		VERISW
0021C2	2D16			4325	DC X'2D16'	PHOAG = 22		VERISW
0021C4	FD3C			4326	DC X'FD3C'	DELAY 6 SECS TIME = 46 SECS		VERISW
0021C6	2F02			4327	DC X'2F02'	PHOIR = 2		VERISW
0021C8	FD82			4328	DC X'FD82'	DELAY 13 SECS TIME = 59 SECS		VERISW
0021CA	2E01			4329	DC X'2E01'	PHOFL = 1		VERISW
0021CC	FD96			4330	DC X'FD96'	DELAY 15 SECS TIME = 74 SECS		VERISW
0021CE	2E00			4331	DC X'2E00'	PHOFL = 0		VERISW
0021D0	FD6E			4332	DC X'FD6E'	DELAY 11 SECS TIME = 85 SECS		VERISW
0021D2	2D12			4333	DC X'2D12'	PHOAG = 18		VERISW
0021D4	FD8E			4334	DC X'FD8E'	DELAY 19 SECS TIME = 104 SECS		VERISW
0021D6	2E01			4335	DC X'2E01'	PHOFL = 1		VERISW
0021D8	FD96			4336	DC X'FD96'	DELAY 15 SECS TIME = 119 SECS		VERISW
0021DA	2E02			4337	DC X'2E02'	PHOFL = 2		VERISW
0021DC	FD6E			4338	DC X'FD6E'	DELAY 11 SECS TIME = 130 SECS		VERISW
0021DE	2D0E			4339	DC X'2D0E'	PHOAG = 14		VERISW
0021E0	FD3C			4340	DC X'FD3C'	DELAY 6 SECS TIME = 136 SECS		VERISW
0021E2	2F0A			4341	DC X'2F0A'	PHOIR = 10		VERISW
0021E4	FD82			4342	DC X'FD82'	DELAY 13.0		VERISW
0021E6	2E01			4343	DC X'2E01'	PHOFL=1		VERISW
0021E8	FAFE			4344	DC X'FAFE'	END PHO8B		VERISW
0021EA	FA80			4345	DC X'FA80'	-->START MTVS01		VERISW

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0021EC F709                 4346        DC    X'F709'          180DEG,90DEG                    VERISW
0021EE 7FCC                 4347        DC    X'7FCC'                                          VERISW
0021F0 F8C5                 4348        DC    X'F8C5'          CALL MTVX                       VERISW
0021F2 FAFE                 4349        DC    X'FAFE'                                          VERISW
0021F4 FA81                 4350        DC    X'FA81'      -->START MTVS02                     VERISW
0021F6 F709                 4351        DC    X'F709'           229DEG,95DEG                   VERISW
0021F8 3AD5                 4352        DC    X'3AD5'                                          VERISW
0021FA F8C5                 4353        DC    X'F8C5'          CALL MTVX                       VERISW
0021FC FAFE                 4354        DC    X'FAFE'          END                             VERISW
0021FE FA82                 4355        DC    X'FA82'      -->START MTVS03                     VERISW
002200 F709                 4356        DC    X'F709'           144DEG,71DEG                   VERISW
002202 B3AC                 4357        DC    X'B3AC'                                          VERISW
002204 F8C5                 4358        DC    X'F8C5'          CALL MTVX                       VERISW
002206 FAFE                 4359        DC    X'FAFE'                                          VERISW
002208 FA83                 4360        DC    X'FA83'      -->START MTVS04                     VERISW
00220A F709                 4361        DC    X'F709'           180DEG,0DEG                    VERISW
00220C 7F33                 4362        DC    X'7F33'                                          VERISW
00220E F8C5                 4363        DC    X'F8C5'          CALL MTVX                       VERISW
002210 FAFE                 4364        DC    X'FAFE'                                          VERISW
002212 FA84                 4365        DC    X'FA84'      -->START MTVSAV                     VERISW
002214 F7CA                 4366        DC    X'F7CA'                                          VERISW
002216 0000                 4367        DC    X'0000'                                          VERISW
002218 FAFE                 4368        DC    X'FAFE'          END                             VERISW
00221A FA85                 4369        DC    X'FA85'      -->START MTVON1                     VERISW
00221C 0C00                 4370        DC    X'0C00'           LENCS=0                        VERISW
00221E FAFE                 4371        DC    X'FAFE'                                          VERISW
002220 FA86                 4372        DC    X'FA86'      -->START MTVOF2                     VERISW
002222 0C01                 4373        DC    X'0C01'           LENCS=1                        VERISW
002224 854D                 4374        DC    X'854D'           GPAZS=PCF(77)                  VERISW
002226 864E                 4375        DC    X'864E'           GPELS=PCF(78)                  VERISW
002228 FAFE                 4376        DC    X'FAFE'                                          VERISW
00222A FA87                 4377        DC    X'FA87'      -->START A1B01                      VERISW
00222C F705                 4378        DC    X'F705'          SET PARMS                       VERISW
00222E 000A                 4379        DC    X'000A'            EBAV=1.0KV                    VERISW
002230 F706                 4380        DC    X'F706'          SET PARMS                       VERISW
002232 00C5                 4381        DC    X'00C5'            EBAI=.05A                     VERISW
002234 F930                 4382        DC    X'F930'          CALL EBAFIR                     VERISW
002236 FD14                 4383        DC    X'FD14'          DELAY 2.0                       VERISW
002238 F930                 4384        DC    X'F930'          CALL EBAFIR                     VERISW
00223A FD14                 4385        DC    X'FD14'          DELAY 2.0                       VERISW
00223C F930                 4386        DC    X'F930'          CALL EBAFIR                     VERISW
00223E FD14                 4387        DC    X'FD14'          DELAY 2.0                       VERISW
002240 F930                 4388        DC    X'F930'          CALL EBAFIR                     VERISW
002242 FD14                 4389        DC    X'FD14'          DELAY 2.0                       VERISW
002244 F930                 4390        DC    X'F930'          CALL EBAFIR                     VERISW
002246 FD14                 4391        DC    X'FD14'          DELAY 2.0                       VERISW
002248 FAFE                 4392        DC    X'FAFE'          END A1B01                       VERISW
00224A FA88                 4393        DC    X'FA88'      -->START MFVPON                     VERISW
00224C 7000                 4394        DC    X'7000'            GSMVSW=0                      VERISW
00224E 6900                 4395        DC    X'6900'            AT1VSW=0                      VERISW
002250 6A00                 4396        DC    X'6A00'            AT2VSW=0                      VERISW
002252 FD39                 4397        DC    X'FD39'          DELAY 5.7                       VERISW
002254 7001                 4398        DC    X'7001'            GSMVSW=1                      VERISW
002256 FD01                 4399        DC    X'FD01'          DELAY .1                        VERISW
002258 FF13                 4400        DC    X'FF13'          IF IXFP=1                       VERISW
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00225A 6901                  4401        DC    X'6901'          AT1VSW=1                    VERISW
00225C FFFE                  4402        DC    X'FFFE'        ENDIF                         VERISW
00225E FF14                  4403        DC    X'FF14'        IF IXFP=2                     VERISW
002260 6A01                  4404        DC    X'6A01'          AT2VSW=1                    VERISW
002262 FFFE                  4405        DC    X'FFFE'        ENDIF                         VERISW
002264 FD0A                  4406        DC    X'FD0A'        DELAY 1.0                     VERISW
002266 FAFE                  4407        DC    X'FAFE'      END MFVPON                      VERISW
002268 FA89                  4408        DC    X'FA89'      --->START A1B03                 VERISW
00226A F706                  4409        DC    X'F706'      SET PARMS                       VERISW
00226C 000A                  4410        DC    X'000A'        EBAI=.1A                      VERISW
00226E F930                  4411        DC    X'F930'      CALL EBAFIR                     VERISW
002270 FD14                  4412        DC    X'FD14'      DELAY 2.0                       VERISW
002272 F706                  4413        DC    X'F706'      SET PARMS                       VERISW
002274 000F                  4414        DC    X'000F'        EBAI=.15A                     VERISW
002276 F930                  4415        DC    X'F930'      CALL EBAFIR                     VERISW
002278 FD14                  4416        DC    X'FD14'      DELAY 2.0                       VERISW
00227A F706                  4417        DC    X'F706'      SET PARMS                       VERISW
00227C 0014                  4418        DC    X'0014'        EBAI=.2A                      VERISW
00227E F930                  4419        DC    X'F930'      CALL EBAFIR                     VERISW
002280 FD14                  4420        DC    X'FD14'      DELAY 2.0                       VERISW
002282 F706                  4421        DC    X'F706'      SET PARMS                       VERISW
002284 0019                  4422        DC    X'0019'        EBAI=.25A                     VERISW
002286 F930                  4423        DC    X'F930'      CALL EBAFIR                     VERISW
002288 FD14                  4424        DC    X'FD14'      DELAY 2.0                       VERISW
00228A F706                  4425        DC    X'F706'      SET PARMS                       VERISW
00228C 001E                  4426        DC    X'001E'        EBAI=3.0A                     VERISW
00228E F930                  4427        DC    X'F930'      CALL EBAFIR                     VERISW
002290 FD14                  4428        DC    X'FD14'      DELAY 2.0                       VERISW
002292 FAFE                  4429        DC    X'FAFE'        END A1B03                     VERISW
002294 FA8A                  4430        DC    X'FA8A'      --->START A8ASET                VERISW
002296 F701                  4431        DC    X'F701'      SET PARMS                       VERISW
002298 0003                  4432        DC    X'0003'        FAVP=3ATM                     VERISW
00229A F702                  4433        DC    X'F702'      SET PARMS                       VERISW
00229C 01E0                  4434        DC    X'01E0'        MPDV=480                      VERISW
00229E F912                  4435        DC    X'F912'      CALL FAVPON                     VERISW
0022A0 FAFE                  4436        DC    X'FAFE'      END A8ASET                      VERISW
0022A2 FA8B                  4437        DC    X'FA8B'      --->START A3MPD                 VERISW
0022A4 F893                  4438        DC    X'F893'        CALL A3MPD*                   VERISW
0022A6 F893                  4439        DC    X'F893'        CALL A3MPD*                   VERISW
0022A8 F80B                  4440        DC    X'F80B'        CALL MPDFIR                   VERISW
0022AA FD96                  4441        DC    X'FD96'        DELAY 15.0                    VERISW
0022AC FAFE                  4442        DC    X'FAFE'      END A3MPD                       VERISW
0022AE FA8C                  4443        DC    X'FA8C'      --->START A8BNGP                VERISW
0022B0 FD07 FD70             4444        DC    X'FD07',F'070' DELAY 13.5                    VERISW
0022B2 F91E                  4445        DC    X'F91E'        CALL NGPFIR                   VERISW
0022B4 FD96                  4446        DC    X'FD96'        DELAY 15.0                    VERISW
0022B6 F91E                  4447        DC    X'F91E'        CALL NGPFIR                   VERISW
0022B8 FD96                  4448        DC    X'FD96'        DELAY 15.0                    VERISW
0022BA F91E                  4449        DC    X'F91E'        CALL NGPFIR                   VERISW
0022BC FD96                  4450        DC    X'FD96'        DELAY 15.0                    VERISW
0022BE F91E                  4451        DC    X'F91E'        CALL NGPFIR                   VERISW
0022C0 FD96                  4452        DC    X'FD96'        DELAY 15.0                    VERISW
0022C2 F91E                  4453        DC    X'F91E'        CALL NGPFIR                   VERISW
0022C4 FD96                  4454        DC    X'FD96'        DELAY 15.0                    VERISW
0022C6 F91E                  4455        DC    X'F91E'        CALL NGPFIR                   VERISW
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0022C8 FD96                 4456        DC    X'FD96'        DELAY 15.0                    VERISW
0022CA F91E                 4457        DC    X'F91E'        CALL NGPFIR                   VERISW
0022CC FD96                 4458        DC    X'FD96'        DELAY 15.0                    VERISW
0022CE F91E                 4459        DC    X'F91E'        CALL NGPFIR                   VERISW
0022D0 FD96                 4460        DC    X'FD96'        DELAY 15.0                    VERISW
0022D2 F91E                 4461        DC    X'F91E'        CALL NGPFIR                   VERISW
0022D4 FAFE                 4462        DC    X'FAFE'        END A8BNGP                    VERISW
0022D6 FA8D                 4463        DC    X'FA8D'     --->START T30SET                 VERISW
0022D8 F702                 4464        DC    X'F702'        SET PARMS                     VERISW
0022DA 0190                 4465        DC    X'0190'          MPDV=400                    VERISW
0022DC F701                 4466        DC    X'F701'        SET PARMS                     VERISW
0022DE 0002                 4467        DC    X'0002'          FAVP=ZATM                   VERISW
0022E0 F912                 4468        DC    X'F912'        CALL FAVPON                   VERISW
0022E2 FAFE                 4469        DC    X'FAFE'        END T30SET                    VERISW
0022E4 FA8E                 4470        DC    X'FA8E'     ---> START T3NGP                 VERISW
0022E6 FD87                 4471        DC    X'FD87'        DELAY 13.5                    VERISW
0022E8 F91E                 4472        DC    X'F91E'        CALL NGPCHF                   VERISW
0022EA FD96                 4473        DC    X'FD96'        DELAY 15.0                    VERISW
0022EC F91E                 4474        DC    X'F91E'        CALL NGPFIR                   VERISW
0022EE FD96                 4475        DC    X'FD96'        DELAY 15.0                    VERISW
0022F0 F91E                 4476        DC    X'F91E'        CALL NGPFIR                   VERISW
0022F2 FAFE                 4477        DC    X'FAFE'        END T3NGP                     VERISW
0022F4 FA8F                 4478        DC    X'FA8F'     ---> START T30MPD                VERISW
0022F6 F908                 4479        DC    X'F908'          CALL MPDSET                 VERISW
0022F8 FD96                 4480        DC    X'FD96'          DELAY 15.0                  VERISW
0022FA F908                 4481        DC    X'F908'          MPDSET                      VERISW
0022FC FD96                 4482        DC    X'FD96'          DELAY 15.0                  VERISW
0022FE F908                 4483        DC    X'F908'          CALL MPDSET                 VERISW
002300 FD96                 4484        DC    X'FD96'          DELAY 15.0                  VERISW
002302 F908                 4485        DC    X'F908'          MPDSET                      VERISW
002304 FD96                 4486        DC    X'FD96'          DELAY 15.0                  VERISW
002306 F908                 4487        DC    X'F908'          MPDSET                      VERISW
002308 FD96                 4488        DC    X'FD96'          DELAY 15.0                  VERISW
00230A F908                 4489        DC    X'F908'          MPDSET                      VERISW
00230C FD96                 4490        DC    X'FD96'          DELAY 15.0                  VERISW
00230E F908                 4491        DC    X'F908'          MPDSET                      VERISW
002310 FD96                 4492        DC    X'FD96'          DELAY 15.0                  VERISW
002312 F908                 4493        DC    X'F908'          MPDSET                      VERISW
002314 FD96                 4494        DC    X'FD96'          DELAY 15.0                  VERISW
002316 F908                 4495        DC    X'F908'          MPDSET                      VERISW
002318 FD96                 4496        DC    X'FD96'          DELAY 15.0                  VERISW
00231A F908                 4497        DC    X'F908'          MPDSET                      VERISW
00231C FD96                 4498        DC    X'FD96'          DELAY 15.0                  VERISW
00231E F908                 4499        DC    X'F908'          MPDSET                      VERISW
002320 FD96                 4500        DC    X'FD96'          DELAY 15.0                  VERISW
002322 F908                 4501        DC    X'F908'          MPDSET                      VERISW
002324 FD96                 4502        DC    X'FD96'          DELAY 15.0                  VERISW
002326 F908                 4503        DC    X'F908'          MPDSET                      VERISW
002328 FD96                 4504        DC    X'FD96'          DELAY 15.0                  VERISW
00232A F908                 4505        DC    X'F908'          MPDSET                      VERISW
00232C FD96                 4506        DC    X'FD96'          DELAY 15.0                  VERISW
00232E F908                 4507        DC    X'F908'          MPDSET                      VERISW
002330 FAFE                 4508        DC    X'FAFE'        END T30MPD                    VERISW
002332 FA90                 4509        DC    X'FA90'     ---> START T40SET                VERISW
002334 F7C1                 4510        DC    X'F701'        SET PARMS                     VERISW
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002336 0003                  4511          DC    X'0003'          FAVP=3ATM                    VERISW
002338 F7C2                  4512          DC    X'F7C2'        SET PARMS                      VERISW
00233A 01E0                  4513          DC    X'01E0'          MPDV=480                     VERISW
00233C F912                  4514          DC    X'F912'        CALL FAVPON                    VERISW
00233E FAFE                  4515          DC    X'FAFE'        END T4OSET                     VERISW
002340 FA91                  4516          DC    X'FA91'      --->START T3NGP                  VERISW
002342 FD87                  4517          DC    X'FD87'        DELAY 13.5                     VERISW
002344 F91E                  4518          DC    X'F91E'        CALL NGPFIR                    VERISW
002346 FD96                  4519          DC    X'FD96'        DELAY 15.0                     VERISW
002348 F91E                  4520          DC    X'F91E'        CALL NGPFIR                    VERISW
00234A FD96                  4521          DC    X'FD96'        DELAY 15.0                     VERISW
00234C F91E                  4522          DC    X'F91E'        CALL NGPFIR                    VERISW
00234E FD96                  4523          DC    X'FD96'        DELAY 15.0                     VERISW
002350 FD96                  4524          DC    X'FD96'        DELAY 15.0                     VERISW
002352 F91E                  4525          DC    X'F91E'        CALL NGPFIR                    VERISW
002354 FD96                  4526          DC    X'FD96'        DELAY 15.0                     VERISW
002356 F91E                  4527          DC    X'F91E'        CALL NGPFIR                    VERISW
002358 FD96                  4528          DC    X'FD96'        DELAY 15.0                     VERISW
00235A F91E                  4529          DC    X'F91E'        CALL NGPFIR                    VERISW
00235C FD96                  4530          DC    X'FD96'        DELAY 15.0                     VERISW
00235E FD96                  4531          DC    X'FD96'        DELAY 15.0                     VERISW
002360 F91E                  4532          DC    X'F91E'        CALL NGPFIR                    VERISW
002362 FD96                  4533          DC    X'FD96'        DELAY 15.0                     VERISW
002364 F91E                  4534          DC    X'F91E'        CALL NGPFIR                    VERISW
002366 FD96                  4535          DC    X'FD96'        DELAY 15.0                     VERISW
002368 F91E                  4536          DC    X'F91E'        CALL NGPFIR                    VERISW
00236A FD96                  4537          DC    X'FD96'        DELAY 15.0                     VERISW
00236C FD96                  4538          DC    X'FD96'        DELAY 15.0                     VERISW
00236E F91E                  4539          DC    X'F91E'        CALL NGPFIR                    VERISW
002370 FD96                  4540          DC    X'FD96'        DELAY 15.0                     VERISW
002372 F91E                  4541          DC    X'F91E'        CALL NGPFIR                    VERISW
002374 FD96                  4542          DC    X'FD96'        DELAY 15.0                     VERISW
002376 F91E                  4543          DC    X'F91E'        CALL NGPFIR                    VERISW
002378 FD96                  4544          DC    X'FD96'        DELAY 15.0                     VERISW
00237A FAFE                  4545          DC    X'FAFE'        END                            VERISW
00237C FA92                  4546          DC    X'FA92'      --->START A2NGP                  VERISW
00237E F891                  4547          DC    X'F891'        CALL T3NGP                     VERISW
002380 FD96                  4548          DC    X'FD96'        DELAY 15.0                     VERISW
002382 F91E                  4549          DC    X'F91E'        CALL NGPFIR                    VERISW
002384 FD96                  4550          DC    X'FD96'        DELAY 15.0                     VERISW
002386 F91E                  4551          DC    X'F91E'        CALL NGPFIR                    VERISW
002388 FD96                  4552          DC    X'FD96'        DELAY 15.0                     VERISW
00238A F91E                  4553          DC    X'F91E'        CALL NGPFIR                    VERISW
00238C FAFE                  4554          DC    X'FAFE'        END A2NGP                      VERISW
00238E FA93                  4555          DC    X'FA93'      --->START A3MPD*                 VERISW
002390 F908                  4556          DC    X'F908'        CALL MPDSET                    VERISW
002392 FD96                  4557          DC    X'FD96'        DELAY 15                       VERISW
002394 F908                  4558          DC    X'F908'        CALL MPDSET                    VERISW
002396 FD96                  4559          DC    X'FD96'        DELAY 15                       VERISW
002398 F908                  4560          DC    X'F908'        CALL MPDSET                    VERISW
00239A FD96                  4561          DC    X'FD96'        DELAY 15                       VERISW
00239C F908                  4562          DC    X'F908'        CALL MPDSET                    VERISW
00239E FD96                  4563          DC    X'FD96'        DELAY 15                       VERISW
0023A0 F908                  4564          DC    X'F908'        CALL MPDSET                    VERISW
0023A2 FD96                  4565          DC    X'FD96'        DELAY 15                       VERISW
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0023A4 F908                4566          DC    X'F908'          CALL MPDSET                    VERISW
0023A6 FD96                4567          DC    X'FD96'          DELAY 15                       VERISW
0023A8 F908                4568          DC    X'F908'          CALL MPDSET                    VERISW
0023AA FD96                4569          DC    X'FD96'          DELAY 15                       VERISW
0023AC F908                4570          DC    X'F908'          CALL MPDSET                    VERISW
0023AE FD96                4571          DC    X'FD96'          DELAY 15                       VERISW
0023B0 F908                4572          DC    X'F908'          CALL MPDSET                    VERISW
0023B2 FD96                4573          DC    X'FD96'          DELAY 15                       VERISW
0023B4 FAFE                4574          DC    X'FAFE'          END A8AMPD                     VERISW
0023B6 FA94                4575          DC    X'FA94'       --->START A5ANGP*                 VERISW
0023B8 F70F                4576          DC    X'F70F'          SET PARAMETERS                 VERISW
0023BA 0001                4577          DC    X'0001'            NGMVSW OVERRIDE ON           VERISW
0023BC F91E                4578          DC    X'F91E'          CALL NGPFIR                    VERISW
0023BE FD14                4579          DC    X'FD14'          DELAY 2.0                      VERISW
0023C0 F91E                4580          DC    X'F91E'          CALL NGPFIR                    VERISW
0023C2 FD14                4581          DC    X'FD14'          DELAY 2.0                      VERISW
0023C4 F70F                4582          DC    X'F70F'          SET PARAMETETRS                VERISW
0023C6 0000                4583          DC    X'0000'            NGMVSW OVERRIDE OFF          VERISW
0023C8 F91E                4584          DC    X'F91E'          CALL NGPFIR                    VERISW
0023CA FAFE                4585          DC    X'FAFE'          END A5ANGP                     VERISW
0023CC FA95                4586          DC    X'FA95'       --->START T7OSET                  VERISW
0023CE F701                4587          DC    X'F701'          SET PARMS                      VERISW
0023D0 0003                4588          DC    X'0003'            FAVP=3ATM                    VERISW
0023D2 F702                4589          DC    X'F702'          SET PARMS                      VERISW
0023D4 01E0                4590          DC    X'01E0'            MPDV=480                     VERISW
0023D6 F912                4591          DC    X'F912'          CALL FAVPON                    VERISW
0023D8 FAFE                4592          DC    X'FAFE'          END T7OSET                     VERISW
0023DA FA96                4593          DC    X'FA96'       --->START T8OSET                  VERISW
0023DC F701                4594          DC    X'F701'          SET PARMS                      VERISW
0023DE 0002                4595          DC    X'0002'            FAVP=2 ATM                   VERISW
0023E0 F702                4596          DC    X'F702'          SET PARMS                      VERISW
0023E2 0190                4597          DC    X'0190'            MPDV=400.0                   VERISW
0023E4 F912                4598          DC    X'F912'          CALL FAVPON                    VERISW
0023E6 FAFE                4599          DC    X'FAFE'          END T8OSET                     VERISW
0023E8 FA97                4600          DC    X'FA97'       ---> START T81SET                 VERISW
0023EA F701                4601          DC    X'F701'          SET PARMS                      VERISW
0023EC 0003                4602          DC    X'0003'            FAVP=2ATM                    VERISW
0023EE F702                4603          DC    X'F702'          SET PARMS                      VERISW
0023F0 01E0                4604          DC    X'01E0'            MPPV=480.0                   VERISW
0023F2 F912                4605          DC    X'F912'          CALL FAVPON                    VERISW
0023F4 FAFE                4606          DC    X'FAFE'          END T81SET                     VERISW
0023F6 FA98                4607          DC    X'FA98'       --->START A5ANGP                  VERISW
0023F8 FD87                4608          DC    X'FD87'          DELAY 13.5                     VERISW
0023FA F994                4609          DC    X'F994'          CALL AFANGP*                   VERISW
0023FC FD96                4610          DC    X'FD96'          DELAY 15.0                     VERISW
0023FE F994                4611          DC    X'F994'          CALL A5ANGP*                   VERISW
002400 FD96                4612          DC    X'FD96'          DELAY 15.0                     VERISW
002402 F994                4613          DC    X'F994'          CALL A5ANGP*                   VERISW
002404 FD96                4614          DC    X'FD96'          DELAY 15.0                     VERISW
002406 FD96                4615          DC    X'FD96'          DELAY 15.0                     VERISW
002408 F994                4616          DC    X'F994'          CALL AFANGP*                   VERISW
00240A FD96                4617          DC    X'FD96'          DELAY 15.0                     VERISW
00240C F994                4618          DC    X'F994'          CALL A5ANGP*                   VERISW
00240E FD96                4619          DC    X'FD96'          DELAY 15.0                     VERISW
002410 F994                4620          DC    X'F994'          CALL A5ANGP*                   VERISW
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002412 FD96                  4621        DC    X'FD96'        DELAY 15.0                    VERISW
002414 FD96                  4622        DC    X'FD96'        DELAY 15.0                    VERISW
002416 F994                  4623        DC    X'F994'        CALL AFANGP*                  VERISW
002418 FD96                  4624        DC    X'FD96'        DELAY 15.0                    VERISW
00241A F994                  4625        DC    X'F994'        CALL A5ANGP*                  VERISW
00241C FD96                  4626        DC    X'FD96'        DELAY 15.0                    VERISW
00241E F994                  4627        DC    X'F994'        CALL A5ANGP*                  VERISW
002420 FD96                  4628        DC    X'FD96'        DELAY 15.0                    VERISW
002422 FD96                  4629        DC    X'FD96'        DELAY 15.0                    VERISW
002424 F994                  4630        DC    X'F994'        CALL AFANGP*                  VERISW
002426 FD96                  4631        DC    X'FD96'        DELAY 15.0                    VERISW
002428 F994                  4632        DC    X'F994'        CALL A5ANGP*                  VERISW
00242A FD96                  4633        DC    X'FD96'        DELAY 15.0                    VERISW
00242C F994                  4634        DC    X'F994'        CALL A5ANGP*                  VERISW
00242E FD96                  4635        DC    X'FD96'        DELAY 15.0                    VERISW
002430 FD96                  4636        DC    X'FD96'        DELAY 15.0                    VERISW
002432 F994                  4637        DC    X'F994'        CALL AFANGP*                  VERISW
002434 FD96                  4638        DC    X'FD96'        DELAY 15.0                    VERISW
002436 F994                  4639        DC    X'F994'        CALL A5ANGP*                  VERISW
002438 FD96                  4640        DC    X'FD96'        DELAY 15.0                    VERISW
00243A F994                  4641        DC    X'F994'        CALL A5ANGP*                  VERISW
00243C FAFE                  4642        DC    X'FAFE'        END A5ANGP                    VERISW
00243E FA99                  4643        DC    X'FA99'     --->START IFPSET                 VERISW
002440 F708                  4644        DC    X'F708'          SET PARMS                   VERISW
002442 0000                  4645        DC    X'0000'          IXFP=0                      VERISW
002444 FAFE                  4646        DC    X'FAFE'        END IFPSET                    VERISW
002446 FA9A                  4647        DC    X'FA9A'     --->START AEPISY                 VERISW
002448 FD64                  4648        DC    X'FD64'          DELAY 10.0                  VERISW
00244A 2301                  4649        DC    X'2301'          AEPI ON Q                   VERISW
00244C FD3C                  4650        DC    X'FD3C'          DELAY 6.0                   VERISW
00244E 2201                  4651        DC    X'2201'          AEPI OFF                    VERISW
002450 FAFE                  4652        DC    X'FAFE'        END AEPISY                    VERISW
002452 FA9B                  4653        DC    X'FA9B'     --->START A6SET                  VERISW
002454 F701                  4654        DC    X'F701'        SET PARMS                     VERISW
002456 0003                  4655        DC    X'0003'          FAVP=3ATM                   VERISW
002458 F702                  4656        DC    X'F702'        SET PARMS                     VERISW
00245A 01E0                  4657        DC    X'01E0'          MPDV=480                    VERISW
00245C F912                  4658        DC    X'F912'        CALL FAVPON                   VERISW
00245E FAFE                  4659        DC    X'FAFE'        END A6SET                     VERISW
002460 FA9C                  4660        DC    X'FA9C'     --->START A7SET                  VERISW
002462 F701                  4661        DC    X'F701'        SET PARMS                     VERISW
002464 0003                  4662        DC    X'0003'          FAVP=3ATM                   VERISW
002466 F702                  4663        DC    X'F702'        SET PARMS                     VERISW
002468 01E0                  4664        DC    X'01E0'          MPDV=480                    VERISW
00246A F912                  4665        DC    X'F912'        CALL FAVPON                   VERISW
00246C FAFE                  4666        DC    X'FAFE'        END                           VERISW
00246E FA9D                  4667        DC    X'FA9D'     --->START IMPDST                 VERISW
002470 F701                  4668        DC    X'F701'        SET PARMS                     VERISW
002472 0002                  4669        DC    X'0002'          FAVP=2 ATM                  VERISW
002474 F702                  4670        DC    X'F702'        SET PARMS                     VERISW
002476 0190                  4671        DC    X'0190'          MPDV=400                    VERISW
002478 F912                  4672        DC    X'F912'        CALL FAVPON                   VERISW
00247A F708                  4673        DC    X'F708'        SET PARMS                     VERISW
00247C 00C0                  4674        DC    X'00C0'          IXFP=0                      VERISW
00247E FAFE                  4675        DC    X'FAFE'        END IMPDST                    VERISW
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LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT			F22NOV74 10/14/81
002480	FA9E			4676	DC	X'FA9E'	---> START CALSET5	VERISW
002482	F961			4677	DC	X'F961'	CALL TIMTAG	VERISW
002484	F400			4678	DC	X'F400'	DELAY 60.0	VERISW
002486	0258			4679	DC	X'0258'		VERISW
002488	F961			4680	DC	X'F961'	CALL TIMTAG	VERISW
00248A	F400			4681	DC	X'F400'	DELAY 60.0	VERISW
00248C	0258			4682	DC	X'0258'		VERISW
00248E	F961			4683	DC	X'F961'	CALL TIMTAG	VERISW
002490	F400			4684	DC	X'F400'	DELAY 60.0	VERISW
002492	0258			4685	DC	X'0258'		VERISW
002494	F961			4686	DC	X'F961'	CALL TIMTAG	VERISW
002496	F400			4687	DC	X'F400'	DELAY 60.0	VERISW
002498	0258			4688	DC	X'0258'		VERISW
00249A	F961			4689	DC	X'F961'	CALL TIMTAG	VERISW
00249C	F400			4690	DC	X'F400'	DELAY 60.0	VERISW
00249E	0258			4691	DC	X'0258'		VERISW
0024A0	FAFE			4692	DC	X'FAFE'		VERISW
0024A2	FA9F			4693	DC	X'FA9F'	---> START CALSET4	VERISW
0024A4	F961			4694	DC	X'F961'	CALL TIMTAG	VERISW
0024A6	F400			4695	DC	X'F400'	DELAY 60.0	VERISW
0024A8	0258			4696	DC	X'0258'		VERISW
0024AA	F961			4697	DC	X'F961'	CALL TIMTAG	VERISW
0024AC	F400			4698	DC	X'F400'	DELAY 60.0	VERISW
0024AE	0258			4699	DC	X'0258'		VERISW
0024B0	F961			4700	DC	X'F961'	CALL TIMTAG	VERISW
0024B2	F400			4701	DC	X'F400'	DELAY 60.0	VERISW
0024B4	0258			4702	DC	X'0258'		VERISW
0024B6	F961			4703	DC	X'F961'	CALL TIMTAG	VERISW
0024B8	F400			4704	DC	X'F400'		VERISW
0024BA	0258			4705	DC	X'0258'		VERISW
0024BC	FAFE			4706	DC	X'FAFE'		VERISW
0024BE	FAA0			4707	DC	X'FAA0'	-->START PH08A1 (FD#12 A-8A)	VERISW
0024C0	FD8C			4708	DC	X'FD8C'	DELAY 14 SECS TIME = 164 SECS	VERISW
0024C2	2E00			4709	DC	X'2E00'	PHOFL = 0	VERISW
0024C4	FD6E			4710	DC	X'FD6E'	DELAY 11 SECS TIME = 175 SECS	VERISW
0024C6	2D0A			4711	DC	X'2D0A'	PHOAG = 10	VERISW
0024C8	FD3C			4712	DC	X'FD3C'	DELAY 6 SECS TIME = 181 SECS	VERISW
0024CA	2F06			4713	DC	X'2F06'	PHOIR = 6	VERISW
0024CC	FD82			4714	DC	X'FD82'	DELAY 13 SECS TIME = 194 SECS	VERISW
0024CE	2E01			4715	DC	X'2E01'	PHOFL = 1	VERISW
0024D0	FD96			4716	DC	X'FD96'	DELAY 15 SECS TIME = 209 SECS	VERISW
0024D2	2E02			4717	DC	X'2E02'	PHOFL = 2	VERISW
0024D4	FD6E			4718	DC	X'FD6E'	DELAY 11 SECS TIME = 220 SECS	VERISW
0024D6	2D06			4719	DC	X'2D06'	PHOAG = 6	VERISW
0024D8	FDBE			4720	DC	X'FDBE'	DELAY 19 SECS TIME = 239 SECS	VERISW
0024DA	2E01			4721	DC	X'2E01'	PHOFL = 1	VERISW
0024DC	FD96			4722	DC	X'FD96'	DELAY 15 SECS TIME = 254 SECS	VERISW
0024DE	2E00			4723	DC	X'2E00'	PHOFL = 0	VERISW
0024E0	FD6E			4724	DC	X'FD6E'	DELAY 11 SECS TIME = 265 SECS	VERISW
0024E2	2D02			4725	DC	X'2D02'	PHOAG = 2	VERISW
0024E4	FDBE			4726	DC	X'FDBE'	DELAY 19 SECS TIME = 284 SECS	VERISW
0024E6	2E01			4727	DC	X'2E01'	PHOFL = 1	VERISW
0024E8	FAFE			4728	DC	X'FAFE'	END PH08A1	VERISW
0024EA	FAA1			4729	DC	X'FAA1'	-->START PLL81 (FD#12 A-8A)	VERISW
0024EC	1CC2			4730	DC	X'1CC2'	PLL8 = 2	VERISW

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0024EE FD96                 4731        DC    X'FD96'          DELAY 15 SECS   TIME = 165 SECS     VERISW
0024F0 1C03                 4732        DC    X'1C03'          PLLB  = 3                           VERISW
0024F2 FD96                 4733        DC    X'FD96'          DELAY 15 SECS   TIME = 180 SECS     VERISW
0024F4 1C00                 4734        DC    X'1C00'          PLLB  = 0                           VERISW
0024F6 FD96                 4735        DC    X'FD96'          DELAY 15 SECS   TIME = 195 SECS     VERISW
0024F8 1C01                 4736        DC    X'1C01'          PLLB  = 1                           VERISW
0024FA FD96                 4737        DC    X'FD96'          DELAY 15 SECS   TIME = 210 SECS     VERISW
0024FC 1C02                 4738        DC    X'1C02'          PLLB  = 2                           VERISW
0024FE FD96                 4739        DC    X'FD96'          DELAY 15 SECS   TIME = 225 SECS     VERISW
002500 1C03                 4740        DC    X'1C03'          PLLB  = 3                           VERISW
002502 FD96                 4741        DC    X'FD96'          DELAY 15 SECS   TIME = 240 SECS     VERISW
002504 1C00                 4742        DC    X'1C00'          PLLB  = 0                           VERISW
002506 FD96                 4743        DC    X'FD96'          DELAY 15 SECS   TIME = 255 SECS     VERISW
002508 1C01                 4744        DC    X'1C01'          PLLB  = 1                           VERISW
00250A FD96                 4745        DC    X'FD96'          DELAY 15 SECS   TIME = 270 SECS     VERISW
00250C 1C02                 4746        DC    X'1C02'          PLLB  = 2                           VERISW
00250E FD96                 4747        DC    X'FD96'          DELAY 15 SECS   TIME = 285 SECS     VERISW
002510 1C03                 4748        DC    X'1C03'          PLLB  = 3                           VERISW
002512 FAFE                 4749        DC    X'FAFE'        END PLL81                             VERISW
002514 FAA2                 4750        DC    X'FAA2'      -->START PWH81 (FD#12 A-8A)             VERISW
002516 1DE8                 4751        DC    X'1DE8'          PWHF  = 1000                        VERISW
002518 1EC3                 4752        DC    X'1E03'          PWHF  = 1000                        VERISW
00251A 1F00                 4753        DC    X'1F00'          PWHBS = 0                           VERISW
00251C FD96                 4754        DC    X'FD96'          DELAY 15 SECS   TIME = 165 SECS     VERISW
00251E 1D4C                 4755        DC    X'1D4C'          PWHF  = 1100                        VERISW
002520 1EC4                 4756        DC    X'1E04'          PWHF  = 1100                        VERISW
002522 1F01                 4757        DC    X'1F01'          PWHBS = 1                           VERISW
002524 FD96                 4758        DC    X'FD96'          DELAY 15 SECS   TIME = 180 SECS     VERISW
002526 1DB0                 4759        DC    X'1DB0'          PWHF  = 1200                        VERISW
002528 1EC4                 4760        DC    X'1E04'          PWHF  = 1200                        VERISW
00252A 1F00                 4761        DC    X'1F00'          PWHBS = 0                           VERISW
00252C FD96                 4762        DC    X'FD96'          DELAY 15 SECS   TIME = 195 SECS     VERISW
00252E 1D14                 4763        DC    X'1D14'          PWHF  = 1300                        VERISW
002530 1EC5                 4764        DC    X'1E05'          PWHF  = 1300                        VERISW
002532 1F01                 4765        DC    X'1F01'          PWHBS = 1                           VERISW
002534 FD96                 4766        DC    X'FD96'          DELAY 15 SECS   TIME = 210 SECS     VERISW
002536 1D78                 4767        DC    X'1D78'          PWHF  = 1400                        VERISW
002538 1EC5                 4768        DC    X'1E05'          PWHF  = 1400                        VERISW
00253A 1F00                 4769        DC    X'1F00'          PWHBS = 0                           VERISW
00253C FD96                 4770        DC    X'FD96'          DELAY 15 SECS   TIME = 225 SECS     VERISW
00253E 1DDC                 4771        DC    X'1DDC'          PWHF  = 1500                        VERISW
002540 1EC5                 4772        DC    X'1E05'          PWHF  = 1500                        VERISW
002542 1F01                 4773        DC    X'1F01'          PWHBS = 1                           VERISW
002544 FD96                 4774        DC    X'FD96'          DELAY 15 SECS   TIME = 240 SECS     VERISW
002546 1D40                 4775        DC    X'1D40'          PWHF  = 1600                        VERISW
002548 1EC6                 4776        DC    X'1E06'          PWHF  = 1600                        VERISW
00254A 1F00                 4777        DC    X'1F00'          PWHBS = 0                           VERISW
00254C FD96                 4778        DC    X'FD96'          DELAY 15 SECS   TIME = 255 SECS     VERISW
00254E 1DA4                 4779        DC    X'1DA4'          PWHF  = 1700                        VERISW
002550 1E06                 4780        DC    X'1E06'          PWHF  = 1700                        VERISW
002552 1F01                 4781        DC    X'1F01'          PWHBS = 1                           VERISW
002554 FD96                 4782        DC    X'FD96'          DELAY 15 SECS   TIME = 270 SECS     VERISW
002556 1D08                 4783        DC    X'1D08'          PWHF  = 1800                        VERISW
002558 1EC7                 4784        DC    X'1E07'          PWHF  = 1800                        VERISW
00255A 1F00                 4785        DC    X'1F00'          PWHBS = 0                           VERISW
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00255C FD96                4786        DC    X'FD96'          DELAY 15 SECS   TIME = 285 SECS      VERISW
00255E 1D6C                4787        DC    X'1D6C'          PWHF  = 1900                           VERISW
002560 1EC7                4788        DC    X'1E07'          PWHF  = 1900                           VERISW
002562 1F01                4789        DC    X'1F01'          PWHBS = 1                              VERISW
002564 FAFE                4790        DC    X'FAFE'        END PWM81                                VERISW
002566 FAA3                4791        DC    X'FAA3'      -->START PWL81 (FO#12 A-8A)                VERISW
002568 2464                4792        DC    X'2464'          PWLF  = 100                            VERISW
00256A FD96                4793        DC    X'FD96'          DELAY 15 SECS   TIME = 165 SECS      VERISW
00256C 246E                4794        DC    X'246E'          PWLF  = 110                            VERISW
00256E FD96                4795        DC    X'FD96'          DELAY 15 SECS   TIME = 180 SECS      VERISW
002570 2478                4796        DC    X'2478'          PWLF  = 120                            VERISW
002572 FD96                4797        DC    X'FD96'          DELAY 15 SECS   TIME = 195 SECS      VERISW
002574 2482                4798        DC    X'2482'          PWLF  = 130                            VERISW
002576 FD96                4799        DC    X'FD96'          DELAY 15 SECS   TIME = 210 SECS      VERISW
002578 248C                4800        DC    X'248C'          PWLF  = 140                            VERISW
00257A FD96                4801        DC    X'FD96'          DELAY 15 SECS   TIME = 225 SECS      VERISW
00257C 2496                4802        DC    X'2496'          PWLF  = 150                            VERISW
00257E FD96                4803        DC    X'FD96'          DELAY 15 SECS   TIME = 240 SECS      VERISW
002580 24A0                4804        DC    X'24A0'          PWLF  = 160                            VERISW
002582 FD96                4805        DC    X'FD96'          DELAY 15 SECS   TIME = 255 SECS      VERISW
002584 24AA                4806        DC    X'24AA'          PWLF  = 170                            VERISW
002586 FD96                4807        DC    X'FD96'          DELAY 15 SECS   TIME = 270 SECS      VERISW
002588 24B4                4808        DC    X'24B4'          PWLF  = 180                            VERISW
00258A FD96                4809        DC    X'FD96'          DELAY 15 SECS   TIME = 285 SECS      VERISW
00258C 24BE                4810        DC    X'24BE'          PWLF  = 190                            VERISW
00258E FAFE                4811        DC    X'FAFE'        END PWL81                                VERISW
002590 FAA4                4812        DC    X'FAA4'      -->START EPE81 (FO#12 A-8A)                VERISW
002592 121E                4813        DC    X'121E'          EPEENG= 30                             VERISW
002594 FD32                4814        DC    X'FD32'          DELAY 5 SECS    TIME = 155 SECS      VERISW
002596 121F                4815        DC    X'121F'          EPEENG= 31                             VERISW
002598 FD32                4816        DC    X'FD32'          DELAY 5 SECS    TIME = 160 SECS      VERISW
00259A 121F                4817        DC    X'121F'          EPEENG= 31                             VERISW
00259C FD32                4818        DC    X'FD32'          DELAY 5 SECS    TIME = 165 SECS      VERISW
00259E 121D                4819        DC    X'121D'          EPEENG= 29                             VERISW
0025A0 FD32                4820        DC    X'FD32'          DELAY 5 SECS    TIME = 170 SECS      VERISW
0025A2 1218                4821        DC    X'1218'          EPEENG= 27                             VERISW
0025A4 FD32                4822        DC    X'FD32'          DELAY 5 SECS    TIME = 175 SECS      VERISW
0025A6 1219                4823        DC    X'1219'          EPEENG= 25                             VERISW
0025A8 FD32                4824        DC    X'FD32'          DELAY 5 SECS    TIME = 180 SECS      VERISW
0025AA 1217                4825        DC    X'1217'          EPEENG= 23                             VERISW
0025AC FD32                4826        DC    X'FD32'          DELAY 5 SECS    TIME = 185 SECS      VERISW
0025AE 1216                4827        DC    X'1216'          EPEENG= 22                             VERISW
0025B0 FD32                4828        DC    X'FD32'          DELAY 5 SECS    TIME = 190 SECS      VERISW
0025B2 1215                4829        DC    X'1215'          EPEENG= 21                             VERISW
0025B4 FD32                4830        DC    X'FD32'          DELAY 5 SECS    TIME = 195 SECS      VERISW
0025B6 1214                4831        DC    X'1214'          EPEENG= 20                             VERISW
0025B8 FD32                4832        DC    X'FD32'          DELAY 5 SECS    TIME = 200 SECS      VERISW
0025BA 1213                4833        DC    X'1213'          EPEENG= 19                             VERISW
0025BC FD32                4834        DC    X'FD32'          DELAY 5 SECS    TIME = 205 SECS      VERISW
0025BE 1212                4835        DC    X'1212'          EPEENG= 18                             VERISW
0025C0 FD32                4836        DC    X'FD32'          DELAY 5 SECS    TIME = 210 SECS      VERISW
0025C2 1211                4837        DC    X'1211'          EPEENG= 17                             VERISW
0025C4 FD32                4838        DC    X'FD32'          DELAY 5 SECS    TIME = 215 SECS      VERISW
0025C6 1210                4839        DC    X'1210'          EPEENG= 16                             VERISW
0025C8 FD32                4840        DC    X'FD32'          DELAY 5 SECS    TIME = 220 SECS      VERISW
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0025CA 120F                 4841        DC    X'120F'          EPEENG= 15                                    VERISW
0025CC FD32                 4842        DC    X'FD32'          DELAY 5 SECS   TIME = 225 SECS               VERISW
0025CE 120E                 4843        DC    X'120E'          EPEENG= 14                                    VERISW
0025D0 FD32                 4844        DC    X'FD32'          DELAY 5 SECS   TIME = 230 SECS               VERISW
0025D2 120D                 4845        DC    X'120D'          EPEENG= 13                                    VERISW
0025D4 FD32                 4846        DC    X'FD32'          DELAY 5 SECS   TIME = 235 SECS               VERISW
0025D6 120C                 4847        DC    X'120C'          EPEENG= 12                                    VERISW
0025D8 FD32                 4848        DC    X'FD32'          DELAY 5 SECS   TIME = 240 SECS               VERISW
0025DA 120B                 4849        DC    X'120B'          EPEENG= 11                                    VERISW
0025DC FD32                 4850        DC    X'FD32'          DELAY 5 SECS   TIME = 245 SECS               VERISW
0025DE 120A                 4851        DC    X'120A'          EPEENG= 10                                    VERISW
0025E0 FD32                 4852        DC    X'FD32'          DELAY 5 SECS   TIME = 250 SECS               VERISW
0025E2 1209                 4853        DC    X'1209'          EPEENG= 9                                     VERISW
0025E4 FD32                 4854        DC    X'FD32'          DELAY 5 SECS   TIME = 255 SECS               VERISW
0025E6 1208                 4855        DC    X'1208'          EPEENG= 8                                     VERISW
0025E8 FD32                 4856        DC    X'FD32'          DELAY 5 SECS   TIME = 260 SECS               VERISW
0025EA 1207                 4857        DC    X'1207'          EPEENG= 7                                     VERISW
0025EC FD32                 4858        DC    X'FD32'          DELAY 5 SECS   TIME = 265 SECS               VERISW
0025EE 1206                 4859        DC    X'1206'          EPEENG= 6                                     VERISW
0025F0 FD32                 4860        DC    X'FD32'          DELAY 5 SECS   TIME = 270 SECS               VERISW
0025F2 1205                 4861        DC    X'1205'          EPEENG= 5                                     VERISW
0025F4 FD32                 4862        DC    X'FD32'          DELAY 5 SECS   TIME = 275 SECS               VERISW
0025F6 1204                 4863        DC    X'1204'          EPEENG= 4                                     VERISW
0025F8 FD32                 4864        DC    X'FD32'          DELAY 5 SECS   TIME = 280 SECS               VERISW
0025FA 1203                 4865        DC    X'1203'          EPEENG= 3                                     VERISW
0025FC FD32                 4866        DC    X'FD32'          DELAY 5 SECS   TIME = 285 SECS               VERISW
0025FE 1202                 4867        DC    X'1202'          EPEENG= 2                                     VERISW
002600 FD32                 4868        DC    X'FD32'          DELAY 5 SECS   TIME = 290 SECS               VERISW
002602 1201                 4869        DC    X'1201'          EPEENG= 1                                     VERISW
002604 FD32                 4870        DC    X'FD32'          DELAY 5 SECS   TIME = 295 SECS               VERISW
002606 1200                 4871        DC    X'1200'          EPEENG= 0                                     VERISW
002608 FAFE                 4872        DC    X'FAFE'        END EPE81                                       VERISW
00260A FAA5                 4873        DC    X'FAA5'      --->START ISOFO1                                  VERISW
00260C F832                 4874        DC    X'F832'          CALL MTVMS1                                   VERISW
00260E FAFE                 4875        DC    X'FAFE'        END                                             VERISW
002610 FAA6                 4876        DC    X'FAA6'      --->START ISOFO2                                  VERISW
002612 F832                 4877        DC    X'F832'          CALL MTVMS1X                                  VERISW
002614 F838                 4878        DC    X'F838'          CALL MTVEB1                                   VERISW
002616 F887                 4879        DC    X'F887'          CALL DGPFO2                                   VERISW
002618 FAFE                 4880        DC    X'FAFE'        END                                             VERISW
00261A FAA7                 4881        DC    X'FAA7'      --->START ISOFO3                                  VERISW
00261C F834                 4882        DC    X'F834'          CALL MTVMS3X                                  VERISW
00261E F839                 4883        DC    X'F839'          CALL MTVHP1                                   VERISW
002620 F888                 4884        DC    X'F888'          CALL DGPFO3                                   VERISW
002622 FAFE                 4885        DC    X'FAFE'        END                                             VERISW
002624 FAA8                 4886        DC    X'FAA8'      --->START ISOFO4                                  VERISW
002626 F832                 4887        DC    X'F832'          CALL MTVMS1X                                  VERISW
002628 F838                 4888        DC    X'F838'          CALL MTVEB1                                   VERISW
00262A F889                 4889        DC    X'F889'          CALL DGPFO4                                   VERISW
00262C FAFE                 4890        DC    X'FAFE'        END                                             VERISW
00262E FAA9                 4891        DC    X'FAA9'      --->START ISOFO5                                  VERISW
002630 F832                 4892        DC    X'F832'          CALL MTVMS1X                                  VERISW
002632 F83C                 4893        DC    X'F83C'          CALL MTVEB*                                   VERISW
002634 F88A                 4894        DC    X'F88A'          CALL DGPFO5A                                  VERISW
002636 FAFE                 4895        DC    X'FAFE'        END                                             VERISW
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 LOC  OBJECT CODE    ADDR1 ADDR2  STMT  SOURCE STATEMENT                                F22NOV74  10/14/81
002638 FAAA                      4896          DC    X'FAAA'      --->START ISOFO6                    VERISW
00263A F855                      4897          DC    X'F855'           CALL FOSILVX                   VERISW
00263C F833                      4898          DC    X'F833'           CALL MTVMS2                    VERISW
00263E F838                      4899          DC    X'F838'           CALL MTVEB1                    VERISW
002640 F8BB                      4900          DC    X'F8BB'           CQALL DGPFO5B                  VERISW
002642 FAFE                      4901          DC    X'FAFE'         END                              VERISW
002644 FAAB                      4902          DC    X'FAAB'      --->START ISOFO7                    VERISW
002646 F832                      4903          DC    X'F832'           CALL MTVMS1X                   VERISW
002648 F838                      4904          DC    X'F838'           CALL MTVEB1                    VERISW
00264A F8BC                      4905          DC    X'F8BC'           CALL DGPFO6                    VERISW
00264C FAFE                      4906          DC    X'FAFE'         END                              VERISW
00264E FAAC                      4907          DC    X'FAAC'      --->START ISOFO8                    VERISW
002650 F832                      4908          DC    X'F832'           CALL MTVM1XX                   VERISW
002652 F838                      4909          DC    X'F838'           CALL MTVEB1                    VERISW
002654 F8BD                      4910          DC    X'F8BD'           CALL DGPFO7                    VERISW
002656 FAFE                      4911          DC    X'FAFE'         END                              VERISW
002658 FAAD                      4912          DC    X'FAAD'      --->START ISOFO9                    VERISW
00265A F834                      4913          DC    X'F834'           CALL MTVMS3X                   VERISW
00265C F839                      4914          DC    X'F839'           CALL MTVMP1                    VERISW
00265E F8BE                      4915          DC    X'F8BE'           CALL DGPFO8                    VERISW
002660 FAFE                      4916          DC    X'FAFE'         END                              VERISW
002662 FAAE                      4917          DC    X'FAAE'      --->START ISOFO10                   VERISW
002664 F832                      4918          DC    X'F832'           CALL MTVMS1X                   VERISW
002666 F838                      4919          DC    X'F838'           CALL MTVEB1                    VERISW
002668 F8BF                      4920          DC    X'F8BF'           CALL DGPFO9                    VERISW
00266A FAFE                      4921          DC    X'FAFE'         END                              VERISW
00266C FAAF                      4922          DC    X'FAAF'      --->START ISOFO11                   VERISW
00266E F832                      4923          DC    X'F832'           CALL MTVMS1X                   VERISW
002670 F838                      4924          DC    X'F838'           CALL MTVEB1                    VERISW
002672 F8C3                      4925          DC    X'F8C3'           CALL DGPFO9B                   VERISW
002674 FAFE                      4926          DC    X'FAFE'         END                              VERISW
002676 FAB0                      4927          DC    X'FAB0'      --->START ISOFO12                   VERISW
002678 F832                      4928          DC    X'F832'           CALL MTVMS1X                   VERISW
00267A F838                      4929          DC    X'F838'           CALL MTVEB1                    VERISW
00267C F8C3                      4930          DC    X'F8C3'           CALL DGPFO9B                   VERISW
00267E FAFE                      4931          DC    X'FAFE'         END                              VERISW
002680 FAB1                      4932          DC    X'FAB1'      --->START ISOFO13                   VERISW
002682 F832                      4933          DC    X'F832'           CALL MTVMS1X                   VERISW
002684 F838                      4934          DC    X'F838'           CALL MTVEB1                    VERISW
002686 F8C3                      4935          DC    X'F8C3'           CALL DGPFO9B                   VERISW
002688 FAFE                      4936          DC    X'FAFE'         END                              VERISW
00268A FAB2                      4937          DC    X'FAB2'      --->START ISOFO14                   VERISW
00268C F832                      4938          DC    X'F832'           CALL MTVMS1X                   VERISW
00268E F838                      4939          DC    X'F838'           CALL MTVEB1                    VERISW
002690 F8C0                      4940          DC    X'F8C0'           CALL DGPFO11                   VERISW
002692 FAFE                      4941          DC    X'FAFE'         END                              VERISW
002694 FAB3                      4942          DC    X'FAB3'      --->START ISOFO15                   VERISW
002696 F832                      4943          DC    X'F832'           CALL MTVMS1X                   VERISW
002698 F838                      4944          DC    X'F838'           CALL MTVEB1                    VERISW
00269A F8C1                      4945          DC    X'F8C1'           CALL DGPFO12A                  VERISW
00269C FAFE                      4946          DC    X'FAFE'         END                              VERISW
00269E FAB4                      4947          DC    X'FAB4'      --->START ISOFO16                   VERISW
0026A0 F832                      4948          DC    X'F832'           CALL MTVMS1X                   VERISW
0026A2 F838                      4949          DC    X'F838'           CALL MTVEB1                    VERISW
0026A4 F8C2                      4950          DC    X'F8C2'           CALL DGPFO12B                  VERISW
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0026A6 FAFE                      4951          DC    X'FAFE'          END                              VERISW
0026A8 FAB5                      4952          DC    X'FAB5'       --->START ISOF017                   VERISW
0026AA F832                      4953          DC    X'F832'         CALL MTVMS1X                      VERISW
0026AC FAFE                      4954          DC    X'FAFE'          END                              VERISW
0026AE FAB6                      4955          DC    X'FAB6'       --->START ISOF018                   VERISW
0026B0 F832                      4956          DC    X'F832'         CALL MTVMS1X                      VERISW
0026B2 FAFE                      4957          DC    X'FAFE'          END                              VERISW
0026B4 FAB7                      4958          DC    X'FAB7'       --->START DGPF02                    VERISW
0026B6 2E00                      4959          DC    X'2E00'          PHOFL = 0                        VERISW
0026B8 2F0F                      4960          DC    X'2F0F'          PHOIR = 15                       VERISW
0026BA 2D03                      4961          DC    X'2D03'          PHOAG = 3                        VERISW
0026BC 1B01                      4962          DC    X'1B01'          PLLSWP = 1                       VERISW
0026BE 2100                      4963          DC    X'2100'          PWHGN = 0                        VERISW
0026C0 1DFF                      4964          DC    X'1DFF'          PWHF = 2047                      VERISW
0026C2 1E07                      4965          DC    X'1E07'          PWHF = 2047                      VERISW
0026C4 1F00                      4966          DC    X'1F00'          PWHBS = 0                        VERISW
0026C6 2600                      4967          DC    X'2600'          PWLGN = 0                        VERISW
0026C8 24FF                      4968          DC    X'24FF'          PWLF = 255                       VERISW
0026CA 1400                      4969          DC    X'1400'          EPEFIX = 0                       VERISW
0026CC FAFE                      4970          DC    X'FAFE'          END                              VERISW
0026CE FAB8                      4971          DC    X'FAB8'       --->START DGPF03                    VERISW
0026D0 2E00                      4972          DC    X'2E00'          PHOFL = 0                        VERISW
0026D2 2F02                      4973          DC    X'2F02'          PHOIR = 2                        VERISW
0026D4 2D0F                      4974          DC    X'2D0F'          PHOAG = 15                       VERISW
0026D6 1B00                      4975          DC    X'1B00'          PLLSWP = 0                       VERISW
0026D8 1C03                      4976          DC    X'1C03'          PLLB = 3                         VERISW
0026DA 2100                      4977          DC    X'2100'          PWHGN = 0                        VERISW
0026DC 1DFE                      4978          DC    X'1DFE'          PWHF = 2046                      VERISW
0026DE 1E07                      4979          DC    X'1E07'          PWHF = 2046                      VERISW
0026E0 1F00                      4980          DC    X'1F00'          PWHBS = 0                        VERISW
0026E2 2600                      4981          DC    X'2600'          PWLGN = 0                        VERISW
0026E4 24FF                      4982          DC    X'24FF'          PWLF = FF                        VERISW
0026E6 1400                      4983          DC    X'1400'          EPEFIX = 0                       VERISW
0026E8 FAFE                      4984          DC    X'FAFE'          END                              VERISW
0026EA FAB9                      4985          DC    X'FAB9'       --->START DGPF04                    VERISW
0026EC 2E00                      4986          DC    X'2E00'          PHOFL = 0                        VERISW
0026EE 2F06                      4987          DC    X'2F06'          PHOIR = 6                        VERISW
0026F0 2D0C                      4988          DC    X'2D0C'          PHOAG = 12                       VERISW
0026F2 1B00                      4989          DC    X'1B00'          PLLSWP = 0                       VERISW
0026F4 1C03                      4990          DC    X'1C03'          PLLB = 3                         VERISW
0026F6 2100                      4991          DC    X'2100'          PWHGN = 0                        VERISW
0026F8 1D00                      4992          DC    X'1D00'          PWHF = 0                         VERISW
0026FA 1E00                      4993          DC    X'1E00'          PWHF = 0                         VERISW
0026FC 2600                      4994          DC    X'2600'          PWLGN = 0                        VERISW
0026FE 2400                      4995          DC    X'2400'          PWLF = 0                         VERISW
002700 1200                      4996          DC    X'1200'          EPEENG = 0                       VERISW
002702 1401                      4997          DC    X'1401'          EPEFIX = 1                       VERISW
002704 FAFE                      4998          DC    X'FAFE'          END                              VERISW
002706 FABA                      4999          DC    X'FABA'       --->START DGPF05A                   VERISW
002708 2E00                      5000          DC    X'2E00'          PHOFL = 0                        VERISW
00270A 2F06                      5001          DC    X'2F06'          PHOIR = 6                        VERISW
00270C 2D09                      5002          DC    X'2D09'          PHOAG = 9                        VERISW
00270E 1B01                      5003          DC    X'1B01'          PLLSWP = 1                       VERISW
002710 2100                      5004          DC    X'2100'          PWHGN = 0                        VERISW
002712 1DFF                      5005          DC    X'1DFF'          PWHF = 2047                      VERISW
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002714 1E07                       5006          DC    X'1E07'          PWHF = 2047                    VERISW
002716 1F00                       5007          DC    X'1F00'          PWHBS = 0                      VERISW
002718 2600                       5008          DC    X'2600'          PWLGN = 0                      VERISW
00271A 24FF                       5009          DC    X'24FF'          PWLF = 255                     VERISW
00271C 1400                       5010          DC    X'1400'          EPEFIX = 0                     VERISW
00271E FAFE                       5011          DC    X'FAFE'        END                              VERISW
002720 FABB                       5012          DC    X'FABB'    --->START DGPFO5B                    VERISW
002722 2E00                       5013          DC    X'2E00'          PHOFL = 0                      VERISW
002724 2F0F                       5014          DC    X'2F0F'          PHOIR = 15                     VERISW
002726 2D09                       5015          DC    X'2D09'          PHOAG = 9                      VERISW
002728 1B00                       5016          DC    X'1B00'          PLLSWP = 0                     VERISW
00272A 1C00                       5017          DC    X'1C00'          PLLB = 0                       VERISW
00272C 2100                       5018          DC    X'2100'          PWHGN = 0                      VERISW
00272E 1D00                       5019          DC    X'1D00'          PWHF = 0                       VERISW
002730 1E00                       5020          DC    X'1E00'          PWHF = 0                       VERISW
002732 1F00                       5021          DC    X'1F00'          PWHBS = 0                      VERISW
002734 2600                       5022          DC    X'2600'          PWLGN = 0                      VERISW
002736 2400                       5023          DC    X'2400'          PWLF = 0                       VERISW
002738 1400                       5024          DC    X'1400'          EPEFIX = 0                     VERISW
00273A FAFE                       5025          DC    X'FAFE'        END                              VERISW
00273C FABC                       5026          DC    X'FABC'    --->START DGPFO6                     VERISW
00273E 2E00                       5027          DC    X'2E00'          PHOFL = 0                      VERISW
002740 2F05                       5028          DC    X'2F05'          PHOIR = 5                      VERISW
002742 2D0C                       5029          DC    X'2D0C'          PHOAG = 12                     VERISW
002744 1B01                       5030          DC    X'1B01'          PLLSWP = 1                     VERISW
002746 2100                       5031          DC    X'2100'          PWHGN = 0                      VERISW
002748 1DFF                       5032          DC    X'1DFF'          PWHF = 2047                    VERISW
00274A 1E07                       5033          DC    X'1E07'          PWHF = 2047                    VERISW
00274C 1F00                       5034          DC    X'1F00'          PWHBS = 0                      VERISW
00274E 2601                       5035          DC    X'2601'          PWLGN = 1                      VERISW
002750 24FF                       5036          DC    X'24FF'          PWLF = 255                     VERISW
002752 1400                       5037          DC    X'1400'          EPEFIX = 0                     VERISW
002754 FAFE                       5038          DC    X'FAFE'        END                              VERISW
002756 FABD                       5039          DC    X'FABD'    --->START DGPFO7                     VERISW
002758 2E00                       5040          DC    X'2E00'          PHOFL = 0                      VERISW
00275A 2F06                       5041          DC    X'2F06'          PHOIR = 6                      VERISW
00275C 2D0C                       5042          DC    X'2D0C'          PHOAG = 12                     VERISW
00275E 1B01                       5043          DC    X'1B01'          PLLSWP = 1                     VERISW
002760 2100                       5044          DC    X'2100'          PWHGN = 0                      VERISW
002762 1DE8                       5045          DC    X'1DE8'          PWHF = 1000                    VERISW
002764 1E03                       5046          DC    X'1E03'          PWHF = 1000                    VERISW
002766 1F00                       5047          DC    X'1F00'          PWHBS = 0                      VERISW
002768 2600                       5048          DC    X'2600'          PWLGN = 0                      VERISW
00276A 2478                       5049          DC    X'2478'          PWLF = 120                     VERISW
00276C 1400                       5050          DC    X'1400'          EPEFIX = 0                     VERISW
00276E FAFE                       5051          DC    X'FAFE'        END                              VERISW
002770 FA8E                       5052          DC    X'FA8E'    --->START DGPFO8                     VERISW
002772 2E00                       5053          DC    X'2E00'          PHOFL = 0                      VERISW
002774 2F02                       5054          DC    X'2F02'          PHOIR = 2                      VERISW
002776 2D18                       5055          DC    X'2D18'          PHOAG = 24                     VERISW
002778 1B00                       5056          DC    X'1B00'          PLLSWP = 0                     VERISW
00277A 1C00                       5057          DC    X'1C00'          PLLB = 0                       VERISW
00277C 2100                       5058          DC    X'2100'          PWHGN = 0                      VERISW
00277E 1DFF                       5059          DC    X'1DFF'          PWHF = 2047                    VERISW
002780 1E07                       5060          DC    X'1E07'          PWHF = 2047                    VERISW
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002782 1F00                  5061        DC    X'1F00'          PWHBS = 0                    VERISW
002784 2600                  5062        DC    X'2600'          PWLGN = 0                    VERISW
002786 24FF                  5063        DC    X'24FF'          PWLF = 255                   VERISW
002788 1400                  5064        DC    X'1400'          EPEFIX = 0                   VERISW
00278A FAFE                  5065        DC    X'FAFE'        END                            VERISW
00278C FABF                  5066        DC    X'FABF'    --->START DGPF09                   VERISW
00278E 2E02                  5067        DC    X'2E02'          PHOFL = 2                    VERISW
002790 2F06                  5068        DC    X'2F06'          PHOIR = 6                    VERISW
002792 2D0C                  5069        DC    X'2D0C'          PHOAG = 12                   VERISW
002794 1801                  5070        DC    X'1801'          PLLSWP = 1                   VERISW
002796 2100                  5071        DC    X'2100'          PWHGN = 0                    VERISW
002798 1D00                  5072        DC    X'1D00'          PWHF = 0                     VERISW
00279A 1E00                  5073        DC    X'1E00'          PWHF = 0                     VERISW
00279C 1F00                  5074        DC    X'1F00'          PWHBS = 0                    VERISW
00279E 2600                  5075        DC    X'2600'          PWLGN = 0                    VERISW
0027A0 2400                  5076        DC    X'2400'          PWLF = 0                     VERISW
0027A2 1400                  5077        DC    X'1400'          EPEFIX = 0                   VERISW
0027A4 FAFE                  5078        DC    X'FAFE'        END                            VERISW
0027A6 FAC0                  5079        DC    X'FAC0'    --->START DGPF011                  VERISW
0027A8 2E00                  5080        DC    X'2E00'          PHOFL = 0                    VERISW
0027AA 2F06                  5081        DC    X'2F06'          PHOIR = 6                    VERISW
0027AC 2D00                  5082        DC    X'2D00'          PHOAG = 0                    VERISW
0027AE 1800                  5083        DC    X'1800'          PLLSWP = 0                   VERISW
0027B0 1C00                  5084        DC    X'1C00'          PLLB = 0                     VERISW
0027B2 2100                  5085        DC    X'2100'          PWHGN = 0                    VERISW
0027B4 1D00                  5086        DC    X'1D00'          PWHF = 0                     VERISW
0027B6 1E00                  5087        DC    X'1E00'          PWHF = 0                     VERISW
0027B8 1F00                  5088        DC    X'1F00'          PWHBS = 0                    VERISW
0027BA 2600                  5089        DC    X'2600'          PWLGN = 0                    VERISW
0027BC 2400                  5090        DC    X'2400'          PWLF = 0                     VERISW
0027BE 1200                  5091        DC    X'1200'          EPEENG = 0                   VERISW
0027C0 1401                  5092        DC    X'1401'          EPEFIX = 1                   VERISW
0027C2 FAFE                  5093        DC    X'FAFE'        END                            VERISW
0027C4 FAC1                  5094        DC    X'FAC1'    --->START DGPF012A                 VERISW
0027C6 2E00                  5095        DC    X'2E00'          PHOFL = 0                    VERISW
0027C8 2F02                  5096        DC    X'2F02'          PHOIR = 2                    VERISW
0027CA 2D1A                  5097        DC    X'2D1A'          PHOAG = 26                   VERISW
0027CC 1800                  5098        DC    X'1800'          PLLSWP = 0                   VERISW
0027CE 1C00                  5099        DC    X'1C00'          PLLB = 0                     VERISW
0027D0 2100                  5100        DC    X'2100'          PWHGN = 0                    VERISW
0027D2 1D00                  5101        DC    X'1D00'          PWHF = 0                     VERISW
0027D4 1E00                  5102        DC    X'1E00'          PWHF = 0                     VERISW
0027D6 1F00                  5103        DC    X'1F00'          PWHBS = 0                    VERISW
0027D8 2600                  5104        DC    X'2600'          PWLGN = 0                    VERISW
0027DA 2400                  5105        DC    X'2400'          PWLF = 0                     VERISW
0027DC 1200                  5106        DC    X'1200'          EPEENG = 0                   VERISW
0027DE 1401                  5107        DC    X'1401'          EPEFIX = 1                   VERISW
0027E0 FAFE                  5108        DC    X'FAFE'        END                            VERISW
0027E2 FAC2                  5109        DC    X'FAC2'    --->START DGPF012B                 VERISW
0027E4 2E00                  5110        DC    X'2E00'          PHOFL = 0                    VERISW
0027E6 2F01                  5111        DC    X'2F01'          PHOIR = 1                    VERISW
0027E8 2D1A                  5112        DC    X'2D1A'          PHOAG = 26                   VERISW
0027EA 1800                  5113        DC    X'1800'          PLLSWP = 0                   VERISW
0027EC 1C00                  5114        DC    X'1C00'          PLLB = 0                     VERISW
0027EE 2100                  5115        DC    X'2100'          PWHGN = 0                    VERISW
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0027F0 1D00                      5116          DC    X'1D00'          PWHF = 0                    VER1SW
0027F2 1E00                      5117          DC    X'1E00'          PWHF = 0                    VER1SW
0027F4 1F00                      5118          DC    X'1F00'          PWHBS = 0                   VER1SW
0027F6 2600                      5119          DC    X'2600'          PWLGN = 0                   VER1SW
0027F8 2400                      5120          DC    X'2400'          PWLF = 0                    VER1SW
0027FA 1200                      5121          DC    X'1200'          EPEENG = 0                  VER1SW
0027FC 1401                      5122          DC    X'1401'          EPEFIX = 1                  VER1SW
0027FE FAFE                      5123          DC    X'FAFE'        END                           VER1SW
002800 FAC3                      5124          DC    X'FAC3'      -->START DGPF098                VER1SW
002802 2EC2                      5125          DC    X'2EC2'          PHOFL = 2                   VER1SW
002804 2F06                      5126          DC    X'2F06'          PHOIR = 6                   VER1SW
002806 2D0C                      5127          DC    X'2D0C'          PHOAF = 12                  VER1SW
002808 1B00                      5128          DC    X'1B00'          PLLSWP = 0                  VER1SW
00280A 2100                      5129          DC    X'2100'          PWHGN = 0                   VER1SW
00280C 1D00                      5130          DC    X'1D00'          PWHF = 0                    VER1SW
00280E 1E00                      5131          DC    X'1E00'          PWHF = 0                    VER1SW
002810 1C00                      5132          DC    X'1C00'          PLLB = 0                    VER1SW
002812 1F00                      5133          DC    X'1F00'          PWHBS = 0                   VER1SW
002814 2600                      5134          DC    X'2600'          PWLGN = 0                   VER1SW
002816 2400                      5135          DC    X'2400'          PWLF = 0                    VER1SW
002818 1400                      5136          DC    X'1400'          EPEFIX = 0                  VER1SW
00281A FAFE                      5137          DC    X'FAFE'        END                           VER1SW
00281C FAC4                      5138          DC    X'FAC4'      -->START BMV0                   VER1SW
00281E 4F7F                      5139          DC    X'4F7F'          BMVADJ = 0.0                VER1SW
002820 FAFE                      5140          DC    X'FAFE'        END                           VER1SW
002822 FAC5                      5141          DC    X'FAC5'      -->START HTVX                   VER1SW
002824 854F                      5142          DC    X'854F'          GPAZS=PCF(79)               VER1SW
002826 8650                      5143          DC    X'8650'          GPCOEL=PCF(80)              VER1SW
002828 FAFE                      5144          DC    X'FAFE'        END                           VER1SW
00282A FAC6                      5145          DC    X'FAC6'      -->START FO2NODE1               VER1SW
00282C F710                      5146          DC    X'F710'          SET PARAMETERS              VER1SW
00282E 00CE                      5147          DC    X'00CE'            PRESET=CE                 VER1SW
002830 FAFE                      5148          DC    X'FAFE'        END                           VER1SW
002832 FAC7                      5149          DC    X'FAC7'      -->START FO2NODE2               VER1SW
002834 F710                      5150          DC    X'F710'          SET PARAMETERS              VER1SW
002836 00CF                      5151          DC    X'00CF'            PRESET=CF                 VER1SW
002838 FAFE                      5152          DC    X'FAFE'        END                           VER1SW
00283A FAC8                      5153          DC    X'FAC8'      -->START FO2NODE3               VER1SW
00283C F710                      5154          DC    X'F710'          SET PARAMETERS              VER1SW
00283E 00D0                      5155          DC    X'00D0'            PRESET=D0                 VER1SW
002840 FAFE                      5156          DC    X'FAFE'        END                           VER1SW
002842 FAC9                      5157          DC    X'FAC9'      -->START FO2NODE4               VER1SW
002844 F710                      5158          DC    X'F710'          SET PARAMETERS              VER1SW
002846 00D1                      5159          DC    X'00D1'            PRESET=D1                 VER1SW
002848 FAFE                      5160          DC    X'FAFE'        END                           VER1SW
00284A FACA                      5161          DC    X'FACA'      -->START FO2NODE5               VER1SW
00284C F710                      5162          DC    X'F710'          SET PARAMETERS              VER1SW
00284E 00D2                      5163          DC    X'00D2'            PRESET=D2                 VER1SW
002850 FAFE                      5164          DC    X'FAFE'        END                           VER1SW
002852 FACB                      5165          DC    X'FACB'      -->START FO4NODE1               VER1SW
002854 F710                      5166          DC    X'F710'          SET PARAMETERS              VER1SW
002856 00D3                      5167          DC    X'00D3'            PRESET=D3                 VER1SW
002858 FAFE                      5168          DC    X'FAFE'        END                           VER1SW
00285A FACC                      5169          DC    X'FACC'      -->START FO4NODE2               VER1SW
00285C F710                      5170          DC    X'F710'          SET PARAMETERS              VER1SW
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002858 00D4                       5171        DC    X'00D4'          PRESET=D4                    VERISW
00285A FAFE                       5172        DC    X'FAFE'        END                            VERISW
00285C FACD                       5173        DC    X'FACD'      -->START FOWNODE3                VERISW
00285E F710                       5174        DC    X'F710'        SET PARAMETERS               VERISW
002860 00D3                       5175        DC    X'00D3'          PRESET=D3                  VERISW
002862 FAFE                       5176        DC    X'FAFE'        END                            VERISW
002864 FACE                       5177        DC    X'FACE'      -->START PRESET21                VERISW
002866 F8A6                       5178        DC    X'F8A6'          CALL ISOFO2                VERISW
002868 2E02                       5179        DC    X'2E02'          PHOFL=2                    VERISW
00286A FAFE                       5180        DC    X'FAFE'        END                            VERISW
00286C FACF                       5181        DC    X'FACF'      -->START PRESET22                VERISW
00286E F8A6                       5182        DC    X'F8A6'          CALL ISOFO2                VERISW
002870 2D06                       5183        DC    X'2D06'          PHOAG=6                    VERISW
002872 1F01                       5184        DC    X'1F01'          PWHBS=1                    VERISW
002874 FAFE                       5185        DC    X'FAFE'        END                            VERISW
002876 FAD0                       5186        DC    X'FAD0'      -->START PRESET23                VERISW
002878 F8A6                       5187        DC    X'F8A6'          CALL ISOFO2                VERISW
00287A 2D06                       5188        DC    X'2D06'          PHOAG=6                    VERISW
00287C 1D00                       5189        DC    X'1D00'          PWHF=0                     VERISW
00287E 1E00                       5190        DC    X'1E00'          PWHF=0                     VERISW
002880 1F01                       5191        DC    X'1F01'          PWHBS=1                    VERISW
002882 2400                       5192        DC    X'2400'          PWLF=0                     VERISW
002884 FAFE                       5193        DC    X'FAFE'        END                            VERISW
002886 FAD1                       5194        DC    X'FAD1'      -->START PRESET24                VERISW
002888 F8A6                       5195        DC    X'F8A6'          CALL ISOFO2                VERISW
00288A 2E01                       5196        DC    X'2E01'          PHOFL=1                    VERISW
00288C 1D22                       5197        DC    X'1D22'          PWHF=1314                  VERISW
00288E 1EC5                       5198        DC    X'1EC5'          PWHF=13I4                  VERISW
002890 24A2                       5199        DC    X'24A2'          PWLF=162                   VERISW
002892 FAFE                       5200        DC    X'FAFE'        END                            VERISW
002894 FAD2                       5201        DC    X'FAD2'      -->START PRESET25                VERISW
002896 F8A6                       5202        DC    X'F8A6'          CALL ISOFO2                VERISW
002898 2D06                       5203        DC    X'2D06'          PHOAG=6                    VERISW
00289A 1D28                       5204        DC    X'1D28'          PWHF=555                   VERISW
00289C 1E02                       5205        DC    X'1E02'          PWHF=555                   VERISW
00289E 2445                       5206        DC    X'2445'          PWLF=69                    VERISW
0028A0 FAFE                       5207        DC    X'FAFE'        END                            VERISW
0028A2 FAD3                       5208        DC    X'FAD3'      -->START PRESET41                VERISW
0028A4 F8A8                       5209        DC    X'F8A8'          CALL ISOFO4                VERISW
0028A6 1C02                       5210        DC    X'1C02'          PLLB=2                     VERISW
0028A8 1D86                       5211        DC    X'1D86'          PWHF=438                   VERISW
0028AA 1E01                       5212        DC    X'1E01'          PWHF=438                   VERISW
0028AC 1F01                       5213        DC    X'1F01'          PWHBS=1                    VERISW
0028AE 2436                       5214        DC    X'2436'          PWLF=54                    VERISW
0028B0 1206                       5215        DC    X'1206'          EPEENG=6                   VERISW
0028B2 FAFE                       5216        DC    X'FAFE'        END                            VERISW
0028B4 FAD4                       5217        DC    X'FAD4'      -->START PRESET42                VERISW
0028B6 F8A8                       5218        DC    X'F8A8'          CALL ISOFO4                VERISW
0028B8 1F00                       5219        DC    X'1F00'          PWHBS=0                    VERISW
0028BA FAFE                       5220        DC    X'FAFE'        END                            VERISW
0028BC FAD5                       5221        DC    X'FAD5'      -->START PRESET 31               VERISW
0028BE FAA7 FA47                  5222        DC    X'FAA7' FA47     CALL ISUFO3                VERISW
0028C0 2D18                       5223        DC    X'2D18'          PHOAG=24                   VERISW
0028C2 1B01                       5224        DC    X'1B01'          PLLSWP=1                   VERISW
0028C4 1C00                       5225        DC    X'1C00'          PLLB=0                     VERISW
```

```
LOC  OBJECT CODE    ADDR1 ADDR2  STMT   SOURCE STATEMENT                    F22NOV74  10/14/81
0028CC 1DA7                      5226          DC    X'1DA7'      PWHF=935                  VERISW
0028CE 1EC3                      5227          DC    X'1EC3'                                VERISW
0028D0 246E                      5228          DC    X'246E'      PWLF=110                  VERISW
0028D2 120B                      5229          DC    X'120B'      EPEENG=11                 VERISW
0028D4 FAFE                      5230          DC    X'FAFE'      END                       VERISW
0028D6 FAD6                      5231          DC    X'FAD6'      FA8K    START  MPASET1    VERISW
0028D8 FAD7                      5232          DC    X'FAD7'      6C01    LAPAMP=1          VERISW
0028DA FAD8                      5233          DC    X'FAD8'      C43A    AFNIST=AFNIS      VERISW
0028DC FAD9                      5234          DC    X'FAD9'      FAFE    END    MPASET1    VERISW
0028DE 0000                      5235          DC    X'0000'      FAD9    START  MPASET2    VERISW
0028E0 0000                      5236          DC    X'0000'      4E00    PPANSW=0          VERISW
0028E2 0000                      5237          DC    X'0000'      4400    DFNIST=0          VERISW
0028E4 0000                      5238          DC    X'0000'      FAFE    END    MPASET2    VERISW
0028E6 0000                      5239          DC    X'0000'      FA4A    MTU MCB OFF       VERISW
0028E8 0000                      5240          DC    X'0000'      0C01    LDXCSR=1          VERISW
0028EA 0000                      5241          DC    X'0000'      0A00    VIDEO=0           VERISW
0028EC 0000                      5242          DC    X'0000'      0A01    GENDLY=1          VERISW
0028EE 0000                      5243          DC    X'0000'      037F    LDMIS=0           VERISW
0028F0 0000                      5244          DC    X'0000'      0A01    SENLI=1           VERISW
0028F2 0000                      5245          DC    X'0000'      067F    SENAB=0           VERISW
0028F4 0000                      5246          DC    X'0000'      0A01    TEST=1            VERISW
0028F6 0000                      5247          DC    X'0000'      FA0A    DELAY 1.0 SEC     VERISW
0028F8 0000                      5248          DC    X'0000'      0A00    TEST=0            VERISW
0028FA 0000                      5249          DC    X'0000'      FAC5    CALL MTUX         VERISW
0028FC 0000                      5250          DC    X'0000'      FAFE    END               VERISW
0028FE 0000                      5251          DC    X'0000'                                VERISW
002900 0000                      5252          DC    X'0000'                                VERISW
002902 0000                      5253          DC    X'0000'                                VERISW
002904 0000                      5254          DC    X'0000'                                VERISW
002906 0000                      5255          DC    X'0000'                                VERISW
002908 0000                      5256          DC    X'0000'                                VERISW
00290A 0000                      5257          DC    X'0000'                                VERISW
00290C 0000                      5258          DC    X'0000'                                VERISW
00290E 0000                      5259          DC    X'0000'                                VERISW
002910 0000                      5260          DC    X'0000'                                VERISW
002912 0000                      5261          DC    X'0000'                                VERISW
002914 0000                      5262          DC    X'0000'                                VERISW
002916 0000                      5263          DC    X'0000'                                VERISW
002918 0000                      5264          DC    X'0000'                                VERISW
00291A 0000                      5265          DC    X'0000'                                VERISW
00291C 0000                      5266          DC    X'0000'                                VERISW
00291E 0000                      5267          DC    X'0000'                                VERISW
002920 0000                      5268          DC    X'0000'                                VERISW
002922 0000                      5269          DC    X'0000'                                VERISW
002924 0000                      5270          DC    X'0000'                                VERISW
002926 0000                      5271          DC    X'0000'                                VERISW
                                 5272          END                                          VERISW
```

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SYMBOL	LEN	VALUE	DEFN	REFERENCES
HEXCOM	00001	000C0C	0C001	
HEXTAB	00001	000CC0	0C002	0003

NO STATEMENTS FLAGGED IN THIS ASSEMBLY
STATISTICS SOURCE RECORDS (SYSIN) = 5272
OPTIONS IN EFFECT LIST, NODECK, LOAD, NORENT, XREF, NOTEST, ALGN, OS, NOTERM, LINECNT = 55
5477 PRINTED LINES

EXTERNAL SYMBOL DICTIONARY

SYMBOL	TYPE	ID	ADDR	LENGTH	LD ID
FDCSCT	SD	01	C00CC0	000064	

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```
LOC  OBJECT CODE    ADDR1 ADDR2  STMT  SOURCE STATEMENT

000000                        1 FOCSCT  CSECT
000000 0000                   2         DC    X'0000'
000002 003E                   3         DC    X'003E'
000004 0056                   4         DC    X'0056'
000006 0076                   5         DC    X'0076'
000008 00BF                   6         DC    X'00BF'
00000A 00A0                   7         DC    X'00A0'
00000C 00A3                   8         DC    X'00A3'
00000E 00A6                   9         DC    X'00A6'
000010 00AF                  10         DC    X'00AF'
000012 00CB                  11         DC    X'00CB'
000014 00D4                  12         DC    X'00D4'
000016 00DE                  13         DC    X'00DE'
000018 00F3                  14         DC    X'00F3'
00001A 0103                  15         DC    X'0103'
00001C 0114                  16         DC    X'0114'
00001E 0126                  17         DC    X'0126'
000020 0138                  18         DC    X'0138'
000022 0142                  19         DC    X'0142'
000024 0155                  20         DC    X'0155'
000026 0168                  21         DC    X'0168'
000028 0187                  22         DC    X'0187'
00002A 019A                  23         DC    X'019A'
00002C 019C                  24         DC    X'019C'
00002E 01A4                  25         DC    X'01A4'
000030 01AB                  26         DC    X'01AB'
000032 0183                  27         DC    X'0183'
000034 018C                  28         DC    X'018C'
000036 01C5                  29         DC    X'01C5'
000038 01CF                  30         DC    X'01CF'
00003A 01E5                  31         DC    X'01E5'
00003C 01F0                  32         DC    X'01F0'
00003E 01FB                  33         DC    X'01FB'
000040 0204                  34         DC    X'0204'
000042 0211                  35         DC    X'0211'
000044 021C                  36         DC    X'021C'
000046 0227                  37         DC    X'0227'
000048 0000                  38         DC    X'0000'
00004A 022E                  39         DC    X'022E'
00004C 0236                  40         DC    X'0236'
00004E 0243                  41         DC    X'0243'
000050 0251                  42         DC    X'0251'
000052 0000                  43         DC    X'0000'
000054 0000                  44         DC    X'0000'
000056 0000                  45         DC    X'0000'
000058 0000                  46         DC    X'0000'
00005A 0000                  47         DC    X'0000'
00005C 0000                  48         DC    X'0000'
00005E 0000                  49         DC    X'0000'
000060 0000                  50         DC    X'0000'
000062 001F                  51         DC    X'001F'
                             52         END
```

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```
SYMBOL   LEN  VALUE  DEFN   REFERENCES

FOCSCT   00001 000000 00001

NO STATEMENTS FLAGGED IN THIS ASSEMBLY
*STATISTICS*      SOURCE RECORDS (SYSIN) =     52
*OPTIONS IN EFFECT*   LIST, NODECK, LOAD, NORENT, XREF, NOTEST, ALGN, OS, NOTERM, LINECNT =  55
   65 PRINTED LINES
```

SYMBOL	TYPE	ID	ADDR	LENGTH	LD ID
HXCSCT	SD	01	000000	000184	

```
 LOC  OBJECT CODE    ADDR1 ADDR2  STMT   SOURCE STATEMENT                    F22NOV74  10/14/81

000000                              1 HXCSCT  CSECT
000000 00C1                         2         DC    X'0001'
000002 0030                         3         DC    X'0030'
000004 005C                         4         DC    X'005C'
000006 0100                         5         DC    X'0100'
000008 01C5                         6         DC    X'0105'
00000A 0119                         7         DC    X'0119'
00000C 011D                         8         DC    X'011D'
00000E 0121                         9         DC    X'0121'
000010 013C                        10         DC    X'013C'
000012 014F                        11         DC    X'014F'
000014 0177                        12         DC    X'0177'
000016 0197                        13         DC    X'0197'
000018 01AD                        14         DC    X'01AD'
00001A 0189                        15         DC    X'0189'
00001C 01C8                        16         DC    X'01C8'
00001E 01E8                        17         DC    X'01E8'
000020 0203                        18         DC    X'0203'
000022 024B                        19         DC    X'024B'
000024 0270                        20         DC    X'0270'
000026 0283                        21         DC    X'0283'
000028 028D                        22         DC    X'028D'
00002A 0282                        23         DC    X'0282'
00002C 02C8                        24         DC    X'02C8'
00002E 02CE                        25         DC    X'02CE'
000030 02F0                        26         DC    X'02F0'
000032 0306                        27         DC    X'0306'
000034 030B                        28         DC    X'0308'
000036 0317                        29         DC    X'0317'
000038 032C                        30         DC    X'032C'
00003A 0337                        31         DC    X'0337'
00003C 034F                        32         DC    X'034F'
00003E 0360                        33         DC    X'0360'
000040 0369                        34         DC    X'0369'
000042 0398                        35         DC    X'0398'
000044 039F                        36         DC    X'039F'
000046 03AF                        37         DC    X'03AF'
000048 043D                        38         DC    X'043D'
00004A 0442                        39         DC    X'0442'
00004C 0459                        40         DC    X'0459'
00004E 0463                        41         DC    X'0463'
000050 0471                        42         DC    X'0471'
000052 047E                        43         DC    X'047E'
000054 0483                        44         DC    X'0483'
000056 04F5                        45         DC    X'04F5'
000058 05C8                        46         DC    X'0508'
00005A 052C                        47         DC    X'052C'
00005C 0530                        48         DC    X'0530'
00005E 0535                        49         DC    X'0535'
000060 055C                        50         DC    X'055C'
000062 057D                        51         DC    X'057D'
000064 05AC                        52         DC    X'05AC'
000066 05B3                        53         DC    X'05B3'
000068 05B9                        54         DC    X'05B9'
00006A 05C0                        55         DC    X'05C0'
```

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	
00006C	05C7			56	DC	X'05C7'
00006E	05CA			57	DC	X'05CA'
000070	05CE			58	DC	X'05CE'
000072	05D2			59	DC	X'05D2'
000074	05D6			60	DC	X'05D6'
000076	05DA			61	DC	X'05DA'
000078	05DE			62	DC	X'05DE'
00007A	05E3			63	DC	X'05E3'
00007C	0601			64	DC	X'0601'
00007E	0614			65	DC	X'0614'
000080	061E			66	DC	X'061E'
000082	0634			67	DC	X'0634'
000084	0659			68	DC	X'0659'
000086	0681			69	DC	X'0681'
000088	068A			70	DC	X'068A'
00008A	0693			71	DC	X'0693'
00008C	06D6			72	DC	X'06D6'
00008E	0749			73	DC	X'0749'
000090	0771			74	DC	X'0771'
000092	077F			75	DC	X'077F'
000094	07CA			76	DC	X'07CA'
000096	08E8			77	DC	X'08E8'
000098	0908			78	DC	X'0908'
00009A	091E			79	DC	X'091E'
00009C	094D			80	DC	X'094D'
00009E	095B			81	DC	X'095B'
0000A0	09A6			82	DC	X'09A6'
0000A2	09F1			83	DC	X'09F1'
0000A4	09F4			84	DC	X'09F4'
0000A6	09FD			85	DC	X'09FD'
0000A8	0A01			86	DC	X'0A01'
0000AA	0A08			87	DC	X'0A08'
0000AC	0A0B			88	DC	X'0A0B'
0000AE	0A53			89	DC	X'0A53'
0000B0	0A5F			90	DC	X'0A5F'
0000B2	0AAF			91	DC	X'0AAF'
0000B4	0AB3			92	DC	X'0AB3'
0000B6	0AC7			93	DC	X'0AC7'
0000B8	0AEA			94	DC	X'0AEA'
0000BA	0B00			95	DC	X'0B00'
0000BC	0B08			96	DC	X'0B08'
0000BE	0B17			97	DC	X'0B17'
0000C0	0B45			98	DC	X'0B45'
0000C2	0B5B			99	DC	X'0B5B'
0000C4	0B65			100	DC	X'0B65'
0000C6	0B89			101	DC	X'0B89'
0000C8	0BA2			102	DC	X'0BA2'
0000CA	0B8A			103	DC	X'0B8A'
0000CC	0BEC			104	DC	X'0BEC'
0000CE	0C1A			105	DC	X'0C1A'
0000D0	0C35			106	DC	X'0C35'
0000D2	0C4E			107	DC	X'0C4E'
0000D4	0C57			108	DC	X'0C57'
0000D6	0C90			109	DC	X'0C90'
0000D8	0CB9			110	DC	X'0CB9'

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0000DA 0CBE                  111         DC    X'0CBE'
0000DC 0CC3                  112         DC    X'0CC3'
0000DE 0CD3                  113         DC    X'0CD3'
0000E0 0CD9                  114         DC    X'0CD9'
0000E2 0CDD                  115         DC    X'0CDD'
0000E4 0D0D                  116         DC    X'0D0D'
0000E6 0D42                  117         DC    X'0D42'
0000E8 0D89                  118         DC    X'0D89'
0000EA 0E08                  119         DC    X'0E08'
0000EC 0E99                  120         DC    X'0E98'
0000EE 0F05                  121         DC    X'0F05'
0000F0 0F9F                  122         DC    X'0F9F'
0000F2 0FAB                  123         DC    X'0FAB'
0000F4 103A                  124         DC    X'103A'
0000F6 1052                  125         DC    X'1052'
0000F8 1066                  126         DC    X'1066'
0000FA 108C                  127         DC    X'108C'
0000FC 10A0                  128         DC    X'10A0'
0000FE 10DC                  129         DC    X'10DC'
000100 10F6                  130         DC    X'10F6'
000102 10FB                  131         DC    X'10FB'
000104 1100                  132         DC    X'1100'
000106 1105                  133         DC    X'1105'
000108 110A                  134         DC    X'110A'
00010A 110E                  135         DC    X'110E'
00010C 1111                  136         DC    X'1111'
00010E 1116                  137         DC    X'1116'
000110 1126                  138         DC    X'1126'
000112 1135                  139         DC    X'1135'
000114 1140                  140         DC    X'1140'
000116 1152                  141         DC    X'1152'
000118 1158                  142         DC    X'1158'
00011A 116C                  143         DC    X'116C'
00011C 1173                  144         DC    X'1173'
00011E 1178                  145         DC    X'1178'
000120 119A                  146         DC    X'119A'
000122 11A1                  147         DC    X'11A1'
000124 11BF                  148         DC    X'11BF'
000126 11C8                  149         DC    X'11C8'
000128 11DC                  150         DC    X'11DC'
00012A 11E7                  151         DC    X'11E7'
00012C 11EE                  152         DC    X'11EE'
00012E 11F5                  153         DC    X'11F5'
000130 11FC                  154         DC    X'11FC'
000132 1220                  155         DC    X'1220'
000134 1224                  156         DC    X'1224'
000136 122A                  157         DC    X'122A'
000138 1231                  158         DC    X'1231'
00013A 1238                  159         DC    X'1238'
00013C 1241                  160         DC    X'1241'
00013E 1252                  161         DC    X'1252'
000140 1260                  162         DC    X'1260'
000142 1276                  163         DC    X'1276'
000144 128B                  164         DC    X'128B'
000146 12B4                  165         DC    X'12B4'
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000148 12C9                 166          DC    X'12C9'
00014A 1306                 167          DC    X'1306'
00014C 1309                 168          DC    X'1309'
00014E 1463                 169          DC    X'1463'
000150 1313                 170          DC    X'1313'
000152 1318                 171          DC    X'1318'
000154 131D                 172          DC    X'131D'
000156 1323                 173          DC    X'1323'
000158 1328                 174          DC    X'1328'
00015A 132D                 175          DC    X'132D'
00015C 1332                 176          DC    X'1332'
00015E 1337                 177          DC    X'1337'
000160 133C                 178          DC    X'133C'
000162 1341                 179          DC    X'1341'
000164 1346                 180          DC    X'1346'
000166 134B                 181          DC    X'134B'
000168 1350                 182          DC    X'1350'
00016A 1355                 183          DC    X'1355'
00016C 1358                 184          DC    X'1358'
00016E 135B                 185          DC    X'135B'
000170 1368                 186          DC    X'1368'
000172 1376                 187          DC    X'1376'
000174 13E4                 188          DC    X'1384'
000176 1391                 189          DC    X'1391'
000178 139F                 190          DC    X'139F'
00017A 13AC                 191          DC    X'13AC'
00017C 1389                 192          DC    X'1389'
00017E 13C7                 193          DC    X'13C7'
000180 1304                 194          DC    X'1304'
000182 13E3                 195          DC    X'13E3'
000184 13F2                 196          DC    X'13F2'
000186 1401                 197          DC    X'1401'
000188 140F                 198          DC    X'140F'
00018A 1412                 199          DC    X'1412'
00018C 1416                 200          DC    X'1416'
00018E 141A                 201          DC    X'141A'
000190 141E                 202          DC    X'141E'
000192 1422                 203          DC    X'1422'
000194 1426                 204          DC    X'1426'
000196 142A                 205          DC    X'142A'
000198 142E                 206          DC    X'142E'
00019A 1432                 207          DC    X'1432'
00019C 1436                 208          DC    X'1436'
00019E 143A                 209          DC    X'143A'
0001A0 143F                 210          DC    X'143F'
0001A2 1447                 211          DC    X'1447'
0001A4 144E                 212          DC    X'144E'
0001A6 1455                 213          DC    X'1455'
0001A8 145E                 214          DC    X'145E'
0001AA 1462                 215          DC    X'1462'
0001AC 146C                 216          DC    X'146C'
0001AE 1460                 217          DC    X'1460'
0001B0 ~~146C~~ 1478        218          DC    X'146E'      QL    X'1476'
0001B2 ~~146F~~ 147C        219          DC    X'146F'      DC    X'147C'
                            220          END                QL    X'1480'
```

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OF POOR QUALITY

10/14/81

SYMBOL	LEN	VALUE	DEFN	REFERENCES
HXCSCT	00001	00C00C	00001	

NO STATEMENTS FLAGGED IN THIS ASSEMBLY
STATISTICS SOURCE RECORDS (SYSIN) = 220
OPTIONS IN EFFECT LIST, NODECK, LOAD, NORENT, XREF, NOTEST, ALGN, OS, NOTERM, LINECNT = 55
239 PRINTED LINES

```
        COMPILER OPTIONS - NAME=  MAIN,OPT=02,LINECNT=56,SIZE=0000K,
                           SOURCE,EBCDIC,LIST,NODECK,LOAD,MAP,NOEDIT,ID,NOXREF
ISN 0002        SUBROUTINE ECFO                                                 VER1SW
              C*************************************************               VER1SW
              C**  DESCRIPTION:    PROGRAM 'ECFO' GENERATES THE FO  **         VER1SW
              C**                  MENU (FO#,GPT,FC#,GPT,.....).   **         VER1SW
              C**                                                  **         VER1SW
              C**                  'ECFO' IS SCHECULED BY THE TASK **         VER1SW
              C**                  SCHEDULER 'STASK' VIA MESSAGE   **         VER1SW
              C**                  (BLK ID #9) FRCM EC-DEP.        **         VER1SW
              C**                                                  **         VER1SW
              C**                  'ECFO' AFTER GENERATING THE FO  **         VER1SW
              C**                  MENU SCHEDULES 'SEPACM' TO PRO- **         VER1SW
              C**                  CESS THE SELECTED FC('S).       **         VER1SW
              C**                                                  **         VER1SW
              C*************************************************               VER1SW
              C*************************************************               VER1SW
              C                                                                 VER1SW
              C** TYPE STATEMENTS -- DECLARE (A-T) INTEGER (16-BITS)            VER1SW
              C**                -- DECLARE (U-W) INTEGER (32-BITS)            VER1SW
              C**                -- DECLARE (X-Z) REAL    (32-BITS)            VER1SW
ISN 0003        IMPLICIT INTEGER*2 (A-T), INTEGER*4 (U-W), REAL*4 (X-Z)         VER1SW
              C                                                                 VER1SW
              C** INDEX & MASK COMMON BLOCKS                                    VER1SW
              C                                                                 VER1SW
ISN 0004        COMMON /DEPCOM/ STATE,ISMO,IPCF,FCGO,ACTHLD,ACTOFF,ACTRST,      VER1SW
             .                  RFA,RFB,RFC,RFD,RFE,RFF,MBLK,MFO,TINEX,MERGE,   VER1SW
             .                  MZ0000,MZ000F,MZ00F0,MZ0F00,MZF000,MZ00FF,MZ0FF0VER1SW
             .                 ,MZFF00,MZ0FFF,MZFFF0,MZFFFF,MBITL(16),MBITH(16) VER1SW
              C                                                                 VER1SW
ISN 0005        COMMON /FOCSCT/ FOIND(150)                                      VER1SW
ISN 0006        COMMON /FOMCOM/ FOMTAB(225)                                     VER1SW
ISN 0007        COMMON /FOCCM/ FOTAB(2,800)                                     VER1SW
              C                                                                 VER1SW
              C                                                                 VER1SW
ISN 0008        COMMON /OUTCOM/ SINT1,SINT2,SINT3,BOUT1(31),BOUT2(31),          VER1SW
             +                  BOUT3(31)                                       VER1SW
ISN 0009        COMMON /FOFLG/ FCSEL,SMOSEL,STFLG,FMSGN,PBLK1,PPCFI,PPCFV,      VER1SW
             .           PPCFN,QBLK1,QPCFI,QPCFV,QPCFN,FCNUM(4),GPT(3,4),       VER1SW
             .           MENIND,FOSTRT(3),ONSEQ,CFFSEQ,OFLOW,ATIME,ROUTIX(10)   VER1SW
              C                                                                 VER1SW
              C                                                                 VER1SW
ISN 0010        COMMON /MSGCOM/ MESFLG,MESCCM(32),MSGBL9(32),MSGBLA(32)         VER1SW
ISN 0011        INTEGER*2 FA00                                                  VER1SW
ISN 0012        DATA FA00/ZFA00/                                                VER1SW
              C                                                                 VER1SW
              C*************************************************               VER1SW
              C** FETCH FO TIMELINE FROM MSGCCM AREA.       **                 VER1SW
              C*************************************************               VER1SW
              C** CALL UHEADR TO UNPACK HEADER INFORMATION                       VER1SW
ISN 0013        CALL UHEADR                                                     VER1SW
              C** MOVE MSGCOM(5-20) INTO OUTCCM BUFFER                         VER1SW
ISN 0014        DO 1 I=5,20                                                     VER1SW
ISN 0015        BOUT1(I) = MESCOM(I)                                            VER1SW
```

```
ISN 0016      1     CONTINUE                                                  VERISW
              C************************************                           VERISW
              C** FETCH UP TO 4 FO'S AND GMT'S   **                          VERISW
              C************************************                           VERISW
ISN 0017            DO 2 I=1,4                                              VERISW
ISN 0018            J = (I-1)*4 + 5                                         VERISW
ISN 0019            FONUM(I)   = BOUT1(J)                                   VERISW
ISN 0020            GMT(1,I) = BOUT1(J+1)                                   VERISW
ISN 0021            GMT(2,I) = BOUT1(J+2)                                   VERISW
ISN 0022            GMT(3,I) = BOUT1(J+3)                                   VERISW
ISN 0023      2     CONTINUE                                                VERISW
              C************************************************             VERISW
              C** CREATE 'FOMENU' FROM PROCESSING 'FCMTAB'  **               VERISW
              C************************************************             VERISW
ISN 0024            FOGO = 0                                                VERISW
ISN 0025            MERGE=0                                                 VERISW
ISN 0026            DO 3 I=1,4                                              VERISW
ISN 0027            IF(FONUM(I).EQ.0) GO TO 5                               VERISW
ISN 0029            FOGO=FOGO+1                                             VERISW
ISN 0030          3 CONTINUE                                                VERISW
ISN 0031          5 CONTINUE                                                VERISW
              C     SET SEARCH CODE FOR FO                                  VERISW
ISN 0032            ATEMP=FA00+FONUM(1)                                     VERISW
ISN 0033            DO 41 IND=1,250                                         VERISW
              C** CHECK FOR SELECTED FOIND                                  VERISW
ISN 0034            IF(ATEMP.NE.FOMTAB(IND)) GO TO 41                       VERISW
              C     MARK FOMTAB START POINT                                 VERISW
ISN 0036            MENIND = IND + 1                                        VERISW
ISN 0037            GO TO 50                                                VERISW
ISN 0038         41 CONTINUE                                                VERISW
              C     IF NO FO FOUND EXIT WITHOUT ECHO                        VERISW
ISN 0039            GO TO 999                                               VERISW
              C**    FETCH FIRST FO TO BE PROCESSED                         VERISW
ISN 0040         50 CONTINUE                                                VERISW
ISN 0041            STATE=2                                                 VERISW
ISN 0042            CALL EXTRCT(FCMTAB(MENIND),CNSEQ,CFFSEQ)                VERISW
ISN 0043            MENIND=MENIND+1                                         VERISW
ISN 0044            CALL EXTRCT(FCMTAB(MENIND),FOMTB1,FOMTB2)               VERISW
ISN 0045            IF(FOMTB1.EQ.242)STATE=5                                VERISW
              C   ECHO TO EC  THE FO                                        VERISW
ISN 0047         55 CONTINUE                                                VERISW
ISN 0048            POLKI=9                                                 VERISW
ISN 0049            PPCFI=0                                                 VERISW
ISN 0050            PMSGN=0                                                 VERISW
              C     REQUEST FOR BLOCK OUTPUT                                VERISW
ISN 0051            SINTI=1                                                 VERISW
ISN 0052         40 CONTINUE                                                VERISW
              C**   MOVE DEFAULT PCF VALUES TO COMMON AREA 'PCFBFR'         VERISW
ISN 0053            CALL PASSO(FONUM(I))                                    VERISW
              C     INSERT IN ISOEBA THE FO DEPENDENT ROUTINE               VERISW
ISN 0054            ROUTIX(1)=FONUM(I)+165                                  VERISW
              C** RETURN TO TASK SCHEDULER 'STASK'                          VERISW
ISN 0055            MFO=FOGO                                                VERISW
ISN 0056      999   RETURN                                                  VERISW
```

ISN 0057 END VERISM

```
000000  47 F0 F 00C     ECF0        BC      15,12(0,15)
000004  07                          DC      XL1'07'
000005  C5C3C6D6404040              DC      CL7'ECFO   '
00000C  90 EC D 00C                 STM     14,12,12(13)
000010  18 4D                      LR      4,13
000014  98 CD F 020                 LM      12,13,32(15)
000018  50 40 D 004                 ST      4,4(0,13)
00001A  50 D0 4 008                 ST      13,8(0,4)
00001E  07 FC                       BCR     15,12

CONSTANTS
000090  00000000                    DC      XL4'00000000'
000094  00000001                    DC      XL4'00000001'
000098  00000002                    DC      XL4'00000002'
00009C  00000003                    DC      XL4'00000003'
0000A0  00000004                    DC      XL4'00000004'
0000A4  00000005                    DC      XL4'00000005'
0000A8  00000006                    DC      XL4'00000006'
0000AC  00000009                    DC      XL4'00000009'
0000B0  00000014                    DC      XL4'00000014'
0000B4  000000A5                    DC      XL4'000000A5'
0000B8  000000F2                    DC      XL4'000000F2'
0000BC  000000FA                    DC      XL4'000000FA'
ADCONS FOR VARIABLES AND CONSTANTS
ADCONS FOR COMMON
000000  00000000                    DC      XL4'00000000'
0000D4  FFFFFFFE                    DC      XL4'FFFFFFFE'
0000D8  FFFFFFFE                    DC      XL4'FFFFFFFE'
0000DC  FFFFFFFA                    DC      XL4'FFFFFFFA'
0000E0  00000000                    DC      XL4'00000000'
0000E4  00000000                    DC      XL4'00000000'
0000E8  00000000                    DC      XL4'00000000'
ADCONS FOR EXTERNAL REFERENCES
0000EC  00000000                    DC      XL4'00000000'           PASS0
0000F0  00000000                    DC      XL4'00000000'           EXTRCT
0000F4  00000000                    DC      XL4'00000000'           UHEADR
DATA CONSTANTS
0000C8  FA                          DC      XL1'FA'                 FA00
0000C9  00                          DC      XL1'00'                 FA00
0000F8  58 50 D 0A8     100001      L        5, 168( 0,13)
0000FC  58 40 D 08C                 L        4, 188( 0,13)
000100  41 A0 0 001                 LA      10,   1( 0, 0)          1
000104  41 B0 0 004                 LA      11,   4( 0, 0)          4
000108  18 11                       SR       1, 1
00010A  58 F0 D 0CC                 L       15, 204( 0,13)          UHEADR
00010E  05 EF                       BALR    14,15
000110  47 00 0 00D                 BC       0,  13( 0, 0)
000114  41 50 0 005                 LA       5,   5( 0, 0)          5
000118  41 80 0 014                 LA       8,  20( 0, 0)          14
00011C  41 60 0 001                 LA       6,   1( 0, 0)          1
000120  58 40 D 0C0                 L        4, 192( 0,13)
000124  58 70 D 0B8                 L        7, 184( 0,13)
000128  18 35           100002      LR       3, 5
00012A  89 30 0 001                 SLL      3,   1( 0, 0)
```

```
000012E  48 23 4 000                  LH    2,    0( 3, 4)          MESCUM
000132  40 23 7 004                   STH   2,    4( 3, 7)          BOUT1
000136  18 25                      1  LR    2, 5
000138  1A 26                         AR    2, 6
00013A  18 52                         LR    5, 2
00013C  19 58                         CR    5, 8
00013E  47 D0 D 100                   BC    13, 256( 0,13)          + */-
000142  58 50 D 0A8          100003   L     5, 168( 0,13)
000146  58 40 D 0BC                   L     4, 188( 0,13)
00014A  18 6A                         LR    6,10
00014C  18 84                         LR    8, 4
00014E  58 70 D 0B8                   L     7, 184( 0,13)
000152  18 36                100004  LR    3, 6
000154  1B 3A                        SR    3,10
000156  89 30 0 002                   SLL   3,    2( 0, 0)
00015A  5A 30 D 07C                   A     3, 124( 0,13)             5
00015E  18 93                         LR    9, 3
000160  18 39                        LR    3, 9
000162  89 30 0 001                   SLL   3,    1( 0, 0)
000166  48 23 7 004                   LH    2,    4( 3, 7)          BOUT1
00016A  18 46                         LR    4, 6
00016C  89 40 0 001                   SLL   4,    1( 0, 0)
000170  40 24 8 016                   STH   2,   22( 4, 8)          FONUM
000174  48 23 7 006                   LH    2,    6( 3, 7)          BOUT1
000178  18 56                         LR    5, 6
00017A  5C 40 D C80                   M     4, 128( 0,13)             6
00017E  40 25 8 01A                   STH   2,   26( 5, 8)          GMT
000182  48 23 7 008                   LH    2,    8( 3, 7)          BOUT1
000186  40 25 8 01C                   STH   2,   28( 5, 8)          GMT
00018A  48 23 7 00A                   LH    2,   10( 3, 7)          BOUT1
00018E  40 25 8 01E                   STH   2,   30( 5, 8)          GMT
000192  18 26                      2  LR    2, 6
000194  1A 2A                         AR    2,10
000196  18 62                         LR    6, 2
000198  19 6B                         CR    6,11
00019A  47 D0 D 12A                   BC    13, 298( 0,13)
00019E  58 50 D 0A8          100005   L     5, 168( 0,13)
0001A2  58 40 D 0BC                   L     4, 188( 0,13)
0001A6  41 00 0 000                   LA    0,    0( 0, 0)              0
0001AA  40 00 5 006                   STH   0,    6( 0, 5)          FOGO
0001AE  40 00 5 020                   STH   0,   32( 0, 5)          MERGE
0001B2  18 45                         LR    4, 5
0001B4  18 5A                         LR    5,10
0001B6  58 F0 D 0A8                   L     15, 168( 0,13)
0001BA  48 60 F 006                   LH    6,    6( 0,15)          FOGO
0001BE  18 98                         LR    9,11
0001C0  58 80 D 0BC                   L     8, 188( 0,13)
0001C4  18 7A                         LR    7,10
0001C6  18 35                100006   LR    3, 5
0001C8  89 30 0 001                   SLL   3,    1( 0, 0)
0001CC  48 23 8 016                   LH    2,   22( 3, 8)          FONUM
0001D0  12 22                         LTR   2, 2
0001D2  47 60 D 1B6                   BC    6, 438( 0,13)           F *TE
0001D6  40 60 4 006                   STH   6,    6( 0, 4)          FOGO
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0001DA  47 F0 D 1CC            BC    15, 460( 0,13)          2A001C228C
0001DE  18 26          100007  LR    2, 6
0001E0  1A 27                  AR    2, 7
0001E2  18 62                  LR    6, 2
0001E4  18 25              3   LR    2, 5
0001E6  1A 27                  AR    2, 7
0001E8  18 52                  LR    5, 2
0001EA  19 59                  CR    5, 9
0001EC  47 D0 D 19E            BC    13, 414( 0,13)          D  Q *18
0001F0  40 60 4 006            STH   6,   6( 0, 4)           FCGO
0001F4  58 50 D 0A8        5   L     5, 168( 0,13)
0001F8  58 40 D 0BC            L     4, 188( 0,13)
0001FC  48 00 D 0A0            LH    0, 160( 0,13)           FA00
000200  4A 00 4 018            AH    0,  24( 0, 4)
000204  40 00 D 0A2            STH   0, 162( 0,13)           ATEMP
000208  40 A0 D 09C            STH   10, 156( 0,13)          IND
00020C  48 30 D 09C            LH    3, 156( 0,13)           IND
000210  48 70 D 0A2            LH    7, 162( 0,13)           ATEMP
000214  41 60 0 0FA            LA    6, 250( 0, 0)           FA
000218  18 5A                 LR    5,10
00021A  58 40 D 0B0            L     4, 176( 0,13)
00021E  18 23          100009  LR    2, 3
000220  89 20 0 001            SLL   2,   1( 0, 0)
000224  49 72 4 000            CH    7,   0( 2, 4)
000228  47 60 D 21E            BC    6, 542( 0,13)           41
00022C  40 30 D 09C            STH   3, 156( 0,13)           IND
000230  58 50 D 0A8    100010  L     5, 168( 0,13)
000234  58 40 D 0BC            L     4, 188( 0,13)
000238  18 2A                 LR    2,10
00023A  4A 20 D 09C            AH    2, 156( 0,13)           IND
00023E  40 20 4 038            STH   2,  56( 0, 4)           MENIND
000242  47 F0 D 23A            BC    15, 570( 0,13)          50
000246  18 23              41  LR    2, 3
000248  1A 25                 AR    2, 5
00024A  18 32                  LR    3, 2
00024C  19 36                  CR    3, 6
00024E  47 D0 D 1F6            BC    13, 502( 0,13)          D  K *TC
000252  40 30 D 09C            STH   3, 156( 0,13)           IND
000256  58 50 D 0A8    100011  L     5, 168( 0,13)
00025A  58 40 D 0BC            L     4, 188( 0,13)
00025E  47 F0 D 2EA            BC    15, 746( 0,13)          599
000262  41 00 0 002        50  LA    0,   2( 0, 0)           2
000266  40 00 5 000            STH   0,   0( 0, 5)           STATE
00026A  48 30 4 038            LH    3,  56( 0, 4)           MENIND
00026E  89 30 0 001            SLL   3,   1( 0, 0)
000272  58 F0 D 0B0            L     15, 176( 0,13)
000276  41 33 F 000            LA    3,   0( 3,15)           FOMTAB
00027A  50 30 D 04C            ST    3,  76( 0,13)
00027E  41 10 D 04C            LA    1,  76( 0,13)
000282  58 F0 D 0C8            L     15, 200( 0,13)          EXTRCT
000286  05 EF                  EALR  14,15
000288  47 00 0 02A            BC    0,  42( 0, 0)
00028C  18 3A                  LR    3,10
00028E  4A 30 4 038            AH    3,  56( 0, 4)           MENIND
```

```
                000292  40 30 4 038                 STH   3,  56( 0, 4)          MENIND
                000296  89 30 0 001                 SLL   3,   1( 0, 0)
                00029A  58 F0 D 0B0                 L    15, 176( 0,13)
                00029E  41 33 F 000                 LA    3,   0( 3,15)          FONTAB
                0002A2  50 30 D 058                 ST    3,  88( 0,13)
                0002A6  41 10 D 058                 LA    1,  88( 0,13)
                0002AA  58 F0 D 0C8                 L    15, 200( 0,13)          EXTRCT
                0002AE  05 EF                       BALR 14,15
                0002B0  47 00 0 02C                 BC    0,  44( 0, 0)
                0002B4  48 00 D 0A4                 LH    0, 164( 0,13)          FONTBL
                0002B8  59 00 D 090                 C     0, 144( 0,13)            F2
                0002BC  47 60 D 2A0                 BC    6, 672( 0,13)            55
                0002C0  41 00 0 005          100012 LA    0,   5( 0, 0)             5
                0002C4  40 00 5 000                 STH   0,   0( 0, 5)          STATE
                0002C8  41 00 0 009              55 LA    0,   9( 0, 0)             9
                0002CC  40 00 4 008                 STH   0,   8( 0, 4)          PBLKI
                0002D0  41 00 0 000                 LA    0,   0( 0, 0)             0
                0002D4  40 00 4 00A                 STH   0,  10( 0, 4)          PPCFI
                0002D8  40 00 4 006                 STH   0,   6( 0, 4)          PMSGN
                0002DC  58 F0 D 088                 L    15, 184( 0,13)
                0002E0  40 A0 F 000                 STH  10,   0( 0,15)          SINTI
                0002E4  41 00 4 018              40 LA    0,  24( 0, 4)          FONUM
                0002E8  50 00 D 064                 ST    0, 100( 0,13)
                0002EC  92 80 D 064                 MVI   8, 100( 0,13)
                0002F0  41 10 D 064                 LA    1, 100( 0,13)
                0002F4  58 F0 D 0C4                 L    15, 196( 0,13)          PASSO
                0002F8  05 EF                       BALR 14,15
                0002FA  47 00 0 035                 BC    0,  53( 0, 0)
                0002FE  58 30 D 0BC                 L     3, 140( 0,13)            A5
                000302  4A 30 4 018                 AH    3,  24( 0, 4)
                0003C6  40 30 4 048                 STH   3,  72( 0, 4)          ROUTIX
                00030A  48 00 5 006                 LH    0,   6( 0, 5)            FOGO
                00030E  40 00 5 01C                 STH   0,  28( 0, 5)            MFO
                000312  18 FF                   999 SR   15,15
                000314  58 E0 D 000                 L     14,   0( 0,13)
                000318  07 FE                       BCR  15,14
ADDRESS OF EPILOGUE
                00031A  58 80 D 004                 L     8,   4( 0,13)
                00031E  58 E0 8 00C                 L     14,  12( 0, 8)
                000322  58 10 8 018                 L     1,  24( 0, 8)
                000326  18 D8                       LR    13, 8
                000328  98 2C D 01C                 LM    2,  28(12,13)
                00032C  92 FF D 00C                 MVI   15,  12(15,13)
                000330  07 FE                       BCR  15,14
ADDRESS OF PROLOGUE
                000332  47 F0 D 000                 BC    15, 208( 0,13)
ADCON FOR PROLOGUE
                000020  00000332                    DC    XL4'00000332'
ADCON FOR SAVE AREA
                000024  00000028                    DC    XL4'00000028'
ADCON FOR EPILOGUE
                000028  0000031A                    DC    XL4'0000031A'
ADCONS FOR PARAMETER LISTS
                000078  00000040                    DC    XL4'00000040'          ONSEQ
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0000 7C  80000042          DC    XL4'80000042'          OFFSEQ
0000 84  000000CC          DC    XL4'000000CC'          FCMTB1
0000 88  800000CE          DC    XL4'800000CE'          FCMTB2
0000 8C  80000000          DC    XL4'80000000'
ADCONS FOR B BLOCK LABELS
```

NAME	TAG	TYPE	ADD.	NAME	TAG	TYPE	ADD.	NAME	TAG	TYPE	ADD.	NAME	TAG	TYPE	ADD.
I	SF	I*2	0000C0	J	SF	I*2	0000C2	GMT	S C	I*2	000020	IND	SF	I*2	000064
MFO	S C	I*2	00001C	RFA	C	I*2	N.R.	RFB	C	I*2	N.R.	RFC	C	I*2	N.R.
RFD	C	I*2	N.R.	RFE	C	I*2	N.R.	RFF	C	I*2	N.R.	ECFO		I*2	000000
FAOO	F	I*2	0000C8	FOGO	SF C	I*2	000006	IPCF	C	I*2	N.R.	ISMO	C	I*2	N.R.
MBLK	C	I*2	N.R.	ATEMP	S	I*2	0000CA	BOUT1	SF C	I*2	000008	BOUT2	C	I*2	N.R.
BOUT3	C	I*2	N.R.	FOIND	C	I*2	N.R.	FONUM	SFA C	I*2	000018	FOSEL	C	I*2	N.R.
FOTAB	C	I*2	N.R.	MBITH	C	I*2	N.R.	MBITL	C	I*2	N.R.	MERGE	S C	I*2	000020
NTIME	C	I*2	N.R.	OFLOW	C	I*2	N.R.	ONSEQ	SFA C	I*2	000040	PASSO	SF XF	I*2	000000
PBLKI	S C	I*2	000008	PMSGN	S C	I*2	000006	PPCFI	S C	I*2	00000A	PPCFN	C	I*2	N.R.
PPCFV	C	I*2	N.R.	QBLKI	C	I*2	N.R.	QPCFI	C	I*2	N.R.	QPCFN	C	I*2	N.R.
QPCFV	C	I*2	N.R.	SINT1	S C	I*2	000000	SINT2	C	I*2	N.R.	SINT3	C	I*2	N.R.
STATE	S C	I*2	000000	STFLG	C	I*2	N.R.	TIMEX	C	I*2	N.R.	ACTHLD	C	I*2	N.R.
ACTOFF	C	I*2	N.R.	ACTRST	C	I*2	N.R.	EXTRCT	SF XF	I*2	000000	FOMTAB	SFA C	I*2	000000
FOMTB1	SFA	I*2	0000CC	FOMTB2	SFA	I*2	0000CE	FOSTRT	C	I*2	N.R.	MENIND	SFA C	I*2	000038
MESCOM	F C	I*2	000002	MESFLG	C	I*2	N.R.	MSGBLA	C	I*2	N.R.	MSGBL9	C	I*2	N.R.
MZFFFF	C	I*2	N.R.	MZFFFO	C	I*2	N.R.	MZFF00	C	I*2	N.R.	MZFC00	C	I*2	N.R.
MZOFFF	C	I*2	N.R.	MZOFFO	C	I*2	N.R.	MZOF00	C	I*2	N.R.	MZOOFF	C	I*2	N.R.
MZOOFO	C	I*2	N.R.	MZOOOF	C	I*2	N.R.	MZOOOO	C	I*2	N.R.	OFFSEQ	SFA C	I*2	000042
ROUTIX	S C	I*2	000048	SMOSEL	C	I*2	N.R.	UHEADR	SF XF	I*4	000000				

***** COMMON INFORMATION *****

NAME OF COMMON BLOCK *DEPCOM* SIZE OF BLOCK 000078 HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
STATE	I*2	000000	ISMO	I*2	N.R.	IPCF	I*2	N.R.	FOGO	I*2	000006
ACTHLD	I*2	N.R.	ACTOFF	I*2	N.R.	ACTRST	I*2	N.R.	RFA	I*2	N.R.
RFB	I*2	N.R.	RFC	I*2	N.R.	RFD	I*2	N.R.	RFE	I*2	N.R.
RFF	I*2	N.R.	MBLK	I*2	N.R.	MFO	I*2	00001C	TIMEX	I*2	N.R.
MERGE	I*2	000020	MZOOOO	I*2	N.R.	MZOOOF	I*2	N.R.	MZOOFO	I*2	N.R.
MZOF00	I*2	N.R.	MZF000	I*2	N.R.	MZOOFF	I*2	N.R.	MZOFFO	I*2	N.R.
MZFF00	I*2	N.R.	MZOFFF	I*2	N.R.	MZFFFO	I*2	N.R.	MZFFFF	I*2	N.R.
MBITL	I*2	N.R.	MBITH	I*2	N.R.						

NAME OF COMMON BLOCK *FOCSCT* SIZE OF BLOCK 00012C HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
FOIND	I*2	N.R.									

NAME OF COMMON BLOCK *FCMCOM* SIZE OF BLOCK 0001C2 HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
FOMTAB	I*2	000000									

NAME OF COMMON BLOCK * FUCOM* SIZE OF BLOCK 000C80 HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
FOTAB	I*2	N.R.									

NAME OF COMMON BLOCK *OUTCOM* SIZE OF BLOCK 0000C0 HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
SINT1	I*2	000000	SINT2	I*2	N.R.	SINT3	I*2	N.R.	BOUT1	I*2	000006
BOUT2	I*2	N.R.	BOUT3	I*2	N.R.						

NAME OF COMMON BLOCK * FOFLG* SIZE OF BLOCK 00005C HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
FOSEL	I*2	N.R.	SMOSEL	I*2	N.R.	STFLG	I*2	N.R.	PMSGN	I*2	000006
PBLKI	I*2	000008	PPCFI	I*2	00000A	PPCFV	I*2	N.R.	PPCFN	I*2	N.R.
QBLKI	I*2	N.R.	QPCFI	I*2	N.R.	QPCFV	I*2	N.R.	QPCFN	I*2	N.R.
FONUM	I*2	000018	GMT	I*2	000020	MENIND	I*2	000038	FOSTRT	I*2	N.R.
ONSEQ	I*2	000040	OFFSEQ	I*2	000042	OFLOW	I*2	N.R.	NTIME	I*2	N.R.
ROUTIX	I*2	000048									

NAME OF COMMON BLOCK *MSGCOM* SIZE OF BLOCK 0000C2 HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
MESFLG	I*2	N.R.	MESCOM	I*2	000002	MSGBL9	I*2	N.R.	MSGBLA	I*2	N.R.

1	000136	2	000192	3	0001E4	5	0001F4
41	000246	50	000262	55	00C2C8	40	0C02E4 NR
999	000312						

OPTIONS IN EFFECT NAME= MAIN,OPT=02,LINECNT=56,SIZE=0000K,

OPTIONS IN EFFECT SOURCE,EBCDIC,LIST,NODECK,LOAD,PAP,NCEDIT,ID,NOXREF

STATISTICS SOURCE STATEMENTS = 56 ,PROGRAM SIZE = 822

STATISTICS NO DIAGNOSTICS GENERATED

****** END OF COMPILATION ****** 103K BYTES OF CORE NOT USED

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          COMPILER OPTIONS - NAME= MAIN,OPT=02,LINECNT=56,SIZE=0000K,
                             SOURCE,EBCDIC,LIST,NODECK,LOAD,MAP,NOEDIT,ID,NOXREF
ISN 0002            SUBROUTINE SEPACM                                          VER1SW
                   C*************************************************          VER1SW
                   C**  DESCRIPTION:    PROGRAM 'SEPACM' IS INITIATED BY **    VER1SW
                   C**                  'ECFO' FOR THE FIRST FO, AFTER   **    VER1SW
                   C**                  THAT ALL FC'S WILL BE PROCESSED  **    VER1SW
                   C**                  BY 'SEPACM' SCHEDULING ITSELF.   **    VER1SW
                   C**                                                   **    VER1SW
                   C**                                                   **    VER1SW
                   C*************************************************          VER1SW
                   C*************************************************          VER1SW
                   C                                                           VER1SW
                   C** TYPE STATEMENTS -- DECLARE (A-T) INTEGER (16-BITS)      VER1SW
                   C**                 -- DECLARE (U-W) INTEGER (32-BITS)      VER1SW
                   C**                 -- DECLARE (X-Z) REAL    (32-BITS)      VER1SW
                   C                                                           VER1SW
ISN 0003            IMPLICIT INTEGER*2 (A-T), INTEGER*4 (U-W), REAL*4 (X-Z)    VER1SW
                   C                                                           VER1SW
                   C** INDEX & MASK COMMON BLOCKS                              VER1SW
                   C                                                           VER1SW
ISN 0004            COMMON /DEPCOM/ STATE,ISMO,IPCF,FOGC,ACTHLO,ACTOFF,ACTRST,  VER1SW
                  .                 RFA,RFB,RFC,RFD,RFE,RFF,MBLK,MFC,TINEX,MERGE,  VER1SW
                  .                 MZOOOO,MZOOOF,MZOOFO,MZOFOO,MZFOOO,MZOOFF,MZOFFO  VER1SW
                  .                 ,MZFFOO,MZOFFF,MZFFFO,MZFFFF,MBITLT(16),MBITHI(16)  VER1SW
                   C                                                           VER1SW
                   C                                                           VER1SW
ISN 0005            COMMON /FOMCOM/ FCMTAB(225)                                VER1SW
                   C                                                           VER1SW
ISN 0006            COMMON /PCFBUF/ PCFBFR(80),ZCAL(32),ACAL(10)               VER1SW
                   C                                                           VER1SW
ISN 0007            COMMON /OUTCOM/ SINT1,SINT2,SINT3,BOUT1(31),BOUT2(31),     VER1SW
                  +                 BOUT3(31)                                  VER1SW
ISN 0008            COMMON /FOFLG/ FCSEL,SMOSEL,STFLG,FMSGN,PBLKI,PPCFI,PPCFV,  VER1SW
                  .           PPCFN,QBLKI,QPCFI,QPCFV,QPCFN,FCNUM(4),GMT(3,4),  VER1SW
                  .           MENIND,FOSTRT(3),ONSEQ,OFFSEQ,OFLOW,NTIME,ROUTIX(10)  VER1SW
                   C                                                           VER1SW
                   C                                                           VER1SW
ISN 0009            COMMON /MSGCOM/ MESFLG,MESCCM(32),MSGBL9(32),MSGBLA(32)    VER1SW
ISN 0010            COMMON /TLBUF/ TLHED(6),CXREG(6,1000),CBLK                 VER1SW
ISN 0011            COMMON /STATM1/ ST1F00,ST1F01,ST1F02,ST1F03,ST1F04,ST1F05,ST1F06  VER1SW
                  .                 ,ST1F07,ST1F08,ST1F09,ST1F10,ST1F11,ST1F12,ST1F13  VER1SW
                  .                 ,ST1F14,ST1F15                             VER1SW
ISN 0012            COMMON /STATM2/ ST2F00,ST2F01,ST2F02,ST2F03,ST2F04,ST2F05,ST2F06  VER1SW
                  .                 ,ST2F07,ST2F08,ST2F09,ST2F10,ST2F11,ST2F12,ST2F13  VER1SW
                  .                 ,ST2F14,ST2F15                             VER1SW
ISN 0013            COMMON /UCMDM1/ CM1F00,CM1F01,CM1F02,CM1F03,CM1F04,CM1F05,CM1F06  VER1SW
                  .                 ,CM1F07,CM1F08,CM1F09,CM1F10,CM1F11,CM1F12,CM1F13  VER1SW
                  .                 ,CM1F14,CM1F15                             VER1SW
ISN 0014            COMMON /UCMDM2/ CM2F00,CM2F01,CM2F02,CM2F03,CM2F04,CM2F05,CM2F06  VER1SW
                  .                 ,CM2F07,CM2F08,CM2F09,CM2F10,CM2F11,CM2F12,CM2F13  VER1SW
                  .                 ,CM2F14,CM2F15                             VER1SW
                   C                                                           VER1SW
                   C** DATA STATEMENTS                                         VER1SW
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```
ISN 0015            INTEGER*4 THVC(3)                                          VERISW
ISN 0016            INTEGER*2 NHVC                                             VERISW
ISN 0017            INTEGER*2 STWRD1(16),STWRD2(16),CMWRD1(16),CMWRD2(16)      VERISW
ISN 0018            INTEGER*2 JGMT(3)                                          VERISW
ISN 0019            INTEGER*2 SELSTD(7)                                        VERISW
ISN 0020            EQUIVALENCE (STWRD1(1),ST1F00)                             VERISW
ISN 0021            EQUIVALENCE (STWRD2(1),ST2F00)                             VERISW
ISN 0022            EQUIVALENCE (CMWRD1(1),CM1F00)                             VERISW
ISN 0023            EQUIVALENCE (CMWRD2(1),CM2F00)                             VERISW
ISN 0024           DATA SELSTD/1,1,2,1,3,4,5/                                  VERISW
                C                                                              VERISW
                C*************************************************           VERISW
                C** PROCESS THE 'FOMENU' CREATED BY 'ECFC'     **               VERISW
                C*************************************************           VERISW
ISN 0025            IF(STATE) 5699,5700,25                                     VERISW
ISN 0026      5699 CONTINUE                                                    VERISW
ISN 0027            IF(SINT1.EQ.1) GO TO 991                                   VERISW
ISN 0029      5700 CONTINUE                                                    VERISW
              C     INITIALIZE                                                 VERISW
ISN 0030            NODE=9                                                     VERISW
ISN 0031            SMOSEL=0                                                   VERISW   MPAM=0   (MPA 30 SEC MODE (MCH)
ISN 0032            AMFO=0                                                     VERISW
ISN 0033            PMSGN=0                                                    VERISW
ISN 0034            ISMO=0                                                     VERISW
ISN 0035            IPCF=0                                                     VERISW
ISN 0036            FOGO=0                                                     VERISW
ISN 0037            MFO=0                                                      VERISW
ISN 0038            BMFO=0                                                     VERISW
ISN 0039            DO 40 I=1,16                                               VERISW
ISN 0040            STWRD1(I)=0                                                VERISW
ISN 0041            STWRD2(I)=0                                                VERISW
ISN 0042            CMWRD1(I)=0                                                VERISW
ISN 0043         40 CMWRD2(I)=0                                                VERISW
ISN 0044            ST1F00=1                                                   VERISW
ISN 0045            ST2F00=1                                                   VERISW
ISN 0046            ST2F15=1                                                   VERISW
ISN 0047            STATE=1                                                    VERISW
ISN 0048            DO 41 I=1,3                                                VERISW
ISN 0049         41 THVC(I)=0                                                  VERISW
ISN 0050            NHVC=0                                                     VERISW
              C     ROUTIX  1=PRESET,2=EBAST1,3=EBADW1,4=EBADW2,5=MFDOFF,6=MPUINT VERISW
              C               7=MFVPON,8=EBASET                                VERISW
ISN 0051            ROUTIX(2)=48                                               VERISW
ISN 0052            ROUTIX(3)=45                                               VERISW
ISN 0053            ROUTIX(4)=46                                               VERISW
ISN 0054            ROUTIX(5)=21                                               VERISW
ISN 0055            ROUTIX(6)=11                                               VERISW
ISN 0056            ROUTIX(7)=137                                              VERISW
ISN 0057            ROUTIX(8)=2                                                VERISW
ISN 0058            GO TO 990                                                  VERISW
              C** PERFORM PWROFF SHUTDOWN                                      VERISW
ISN 0059      5713 CONTINUE                                                    VERISW
ISN 0060            FOSEL=22                                                   VERISW
ISN 0061            STF10=1                                                    VERISW
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ISN 0062          TIMEX=0                                                  VERISW
ISN 0063          CM1F04=0                                                 VERISW
ISN 0064          ST1F04=1                                                 VERISW
ISN 0065          ST1F09=0                                                 VERISW
ISN 0066          ST1F00=1                                                 VERISW
ISN 0067          GO TO 621                                                VERISW
ISN 0068       25 CONTINUE                                                 VERISW
ISN 0069       30 CONTINUE                                                 VERISW
                C     LOOK FOR SHUTDOWN COMMANDS                           VERISW
ISN 0070          DO 35 I=2,8                                              VERISW
ISN 0071          IF(CMWRD1(I).EQ.0) GO TO 35                              VERISW
ISN 0073     1004 CONTINUE                                                 VERISW
ISN 0074          ST1WRD1(I)=1                                             VERISW
ISN 0075          CMWRD1(I)=0                                              VERISW
                C     TEST FOR ALL SHUTDOWN                                VERISW
ISN 0076          IF (I.EQ.5) GO TO 5713                                   VERISW
                C     TEST FOR HVC RST                                     VERISW
ISN 0078          IF(I.NE.3) GO TO 31                                      VERISW
                C     IF HVC RST 3/1 MIN THEN SHUTDOWN                     VERISW
ISN 0080          NHVC=NHVC+1                                              VERISW
ISN 0081          IF(NHVC.LE.3) GO TO 1006                                 VERISW
ISN 0083     1005 CONTINUE                                                 VERISW
ISN 0084          THVC(1)=THVC(2)                                          VERISW
ISN 0085          THVC(2)=THVC(3)                                          VERISW
ISN 0086          NHVC=3                                                   VERISW
ISN 0087     1006 CONTINUE                                                 VERISW
ISN 0088          THVC(NHVC)=DEPRTC(8)                                     VERISW
ISN 0089          IF(NHVC.LT.3) GO TO 1008                                 VERISW
ISN 0091          IF((THVC(3)-THVC(1)).LE.5326701 GO TO 1009               VERISW
ISN 0093     1008 CONTINUE                                                 VERISW
ISN 0094          CALL INHIBT                                              VERISW
ISN 0095          MERGE=1                                                  VERISW
ISN 0096          TIMEX=(TLHED(5)+1)*10                                    VERISW
ISN 0097          TLHED(3)=CXREG(6,TLHED(3))                               VERISW
ISN 0098          FOSEL=40                                                 VERISW
ISN 0099          CALL PASSX                                               VERISW
ISN 0100          CALL ENABLE                                              VERISW
ISN 0101          IF(FOSEL.EQ.-1) GO TO 5713                               VERISW
ISN 0103          GO TO 34                                                 VERISW
ISN 0104     1009 CONTINUE                                                 VERISW
ISN 0105          I=2                                                      VERISW
ISN 0106          GO TO 1004                                               VERISW
ISN 0107       31 CONTINUE                                                 VERISW
                C     PERFORM *** SHUTDOWN                                 VERISW
ISN 0108          CALL C22DWN(SELSTD(I-1))                                 VERISW
ISN 0109       34 CONTINUE                                                 VERISW
ISN 0110          PMSGN=I+14                                               VERISW
ISN 0111          IF(I.GT.4) PMSGN=PMSGN-1                                 VERISW
ISN 0113          ST1F00=1                                                 VERISW
ISN 0114          GO TO 990                                                VERISW
ISN 0115       35 CONTINUE                                                 VERISW
                C                                                          VERISW
ISN 0116          IF(PCF8FR(30).NE.ST2F01) GO TO 37                        VERISW
                C     LOOK FOR AEPI TOGGLE                                 VERISW
```

5714 FOSEL=22
TIMEX=0

IF(I.EQ.5.AND.STATE.EQ.8)GO TO 5714

THVC(NHVC)=ARIC(8) set 32. bit reset

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ISN 0118          IF(CM2F01.EQ.0) GO TO 38                                  VERISW
ISN 0120          CM2F01=0                                                  VERISW
ISN 0121          PCFBFR(30)=1-PCFBFR(30)                                   VERISW
ISN 0122       37 CONTINUE                                                  VERISW
ISN 0123          ST2F01=PCFBFR(30)                                         VERISW
ISN 0124          ST2F00=1                                                  VERISW
ISN 0125          IF(ST2F01.NE.0) GO TO 38                                  VERISW
ISN 0127          PMSGN=12                                                  VERISW
ISN 0128          GO TO 990                                                 VERISW
                C     LOOK FOR SW MASK TOGGLE                               VERISW
ISN 0129       38 CONTINUE                                                  VERISW
ISN 0130          IF(CM2F02.EQ.0) GO TO 42                                  VERISW
ISN 0132          CM2F02=0                                                  VERISW
ISN 0133          PCFBFR(31)=1-PCFBFR(31)                                   VERISW
ISN 0134       39 CONTINUE                                                  VERISW
ISN 0135          ST2F02=PCFBFR(31)                                         VERISW
ISN 0136          ST2F00=1                                                  VERISW
ISN 0137       42 CONTINUE                                                  VERISW
ISN 0138          ISTATE=STATE+1                                            VERISW
ISN 0139          IF(ISTATE.GT.14) GO TO 5700                               VERISW
ISN 0141          GO TO (5700,5701,5702,5703,5704,5705,5706,5707,5708,      VERISW
                +       5709,5710,5711,5712,5713),ISTATE                    VERISW
                C                                                           VERISW
                C                                                           VERISW
                C     STATE 2                                               VERISW
                C           TEST FCR FO PREP START                          VERISW
                C           START CN GMT OR PROCEED                         VERISW
                C                                                           VERISW
ISN 0142        5701 CONTINUE                                               VERISW
                C     AZ=229 DEG. = 2.72V = (3A)                            VERISW
ISN 0143          PCFBFR(79)=58                                             VERISW
                C     CCEL = 95 DEG. = -3.33V = (D5)                        VERISW
ISN 0144          PCFBFR(80)=213                                            VERISW
ISN 0145        5702 CONTINUE                                               VERISW
                C                                                           VERISW
ISN 0146          IF((CM1F11.EQ.0).AND.(PCFBFR(28).EQ.0)) GO TO 203         VERISW
ISN 0148          IF(ST1F11.EQ.1) GO TO 203                                 VERISW
ISN 0150          ST1F11=1                                                  VERISW
ISN 0151          CM1F11=0                                                  VERISW
ISN 0152        202 CONTINUE                                                VERISW
ISN 0153          ST1F00=1                                                  VERISW
ISN 0154        203 CONTINUE                                                VERISW
ISN 0155          IF(STATE.EQ.1) GO TO 990                                  VERISW
                C MFD LOGIC                                                 VERISW
ISN 0157          IF (AMFD.EQ.0) GO TO 3204                                 VERISW
ISN 0159          FCSEL=37                                                  VERISW
ISN 0160          CALL MODSEQ(ROUTIX(1),AMFD,OFFSEQ,ISHD)                   VERISW
ISN 0161          GO TO 3205                                                VERISW
ISN 0162        3204 CONTINUE                                               VERISW
ISN 0163          FCSEL = IAND(FCNTAB(MENIND),MZOOFF)                       VERISW
ISN 0164        3205 CONTINUE                                               VERISW
ISN 0165          CALL PASSX                                                VERISW
ISN 0166          IF(ST1F14.EQ.0) GO TO 205                                 VERISW
                C PROCEED?                                                  VERISW
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ISN 0168            IF(CM1F14.EQ.0) GO TO 990                                   VERISW
ISN 0170            GO TO 206                                                   VERISW
ISN 0171          205 CONTINUE                                                  VERISW
                  C     GET RELATIVE TIME                                       VERISW
ISN 0172            IF(AMFO.EQ.1) GO TO 206                                     VERISW   IF (AMFO,NE.0) GO TO 207
ISN 0174            CALL CGMT(GMT(1,1),FCMTAB(MENIND+1),GMTFLG)                 VERISW   TIME= FCMTAB(MENIND+1)
ISN 0175            IF (GMTFLG .NE. 1) GO TO 990                                VERISW 207  CALL CGMT(GMT(1),TIME,GMTFLG)
ISN 0177          206 CONTINUE                                                  VERISW
                  C     MARK START TIME                                         VERISW
ISN 0178            CALL IUGMT (FOSTRT(1))                                      VERISW
                  C                                                             VERISW
                  C TIME TO GO                                                  VERISW
ISN 0179          220 CONTINUE                                                  VERISW
                  C FO PREP START                                               VERISW
ISN 0180            IPCF=0                                                      VERISW
ISN 0181            ST2F05=1                                                    VERISW
ISN 0182            ST2F00=1                                                    VERISW
ISN 0183            DO 3221 I=7,15                                              VERISW
ISN 0184         3221 STWRD2(I)=0                                               VERISW
ISN 0185            CM1F14=0                                                    VERISW
                  C RESET PROCEED                                               VERISW
ISN 0186            ST1F00=1                                                    VERISW
ISN 0187            DO 3222 I=2,11                                              VERISW
ISN 0188         3222 STWRD1(I)=0                                               VERISW
ISN 0189            ST1F12=0                                                    VERISW
ISN 0190            ST1F13=0                                                    VERISW
ISN 0191            ST1F14=0                                                    VERISW
ISN 0192            PMSGN=4                                                     VERISW
ISN 0193            STFLG=1                                                     VERISW
ISN 0194             STATE =3                                                   VERISW
ISN 0195            TIMEX=(FCMTAB(MENIND+1))                                    VERISW
ISN 0196            IF(AMFO.NE.0) TIMEX=1TX                                     VERISW
ISN 0198            CALL RTORV(TIMEX)                                           VERISW
ISN 0199            GO TO 980                                                   VERISW
                  C                                                             VERISW
                  C     STATE 3                                                 VERISW
                  C           TEST FOR SMO OPERATIONS                           VERISW
                  C                                                             VERISW
ISN 0200          5703 CONTINUE                                                 VERISW
ISN 0201            IF (STFLG.EQ.0) GO TO 990                                   VERISW
ISN 0203            IPCF=0                                                      VERISW
ISN 0204            CALL EXTRCT (FCMTAB(MENINC),TEMP,TEMPO)                     VERISW
                  C     IS A SMO IN THE MENU                                    VERISW
ISN 0205            IF (TEMP .EQ. 241) GO TO 305                                VERISW
ISN 0207          302 CONTINUE                                                  VERISW
ISN 0208            STATE=5                                                     VERISW
ISN 0209            GO TO 5705                                                  VERISW
ISN 0210          304 CONTINUE                                                  VERISW
ISN 0211            MENIND=MENIND+2                                             VERISW
ISN 0212            GO TO 302                                                   VERISW
                  C                                                             VERISW
                  C                                                             VERISW
ISN 0213          305 CONTINUE                                                  VERISW
ISN 0214            IF(ISMO.LT.0) GO TO 304                                     VERISW
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                C SMO SELECTED?                                                 VERISW
     ISN 0216       IF (STIF11 .EQ. 0) GO TO 304                                VERISW
     ISN 0218     303 CONTINUE                                                  VERISW
     ISN 0219       IF(FOMTAB(MENIND+1).GE.TLIED(4)) GO TO 990                  VERISW
                C     TIME FOR SMO                                              VERISW
     ISN 0221       STFLG=1                                                     VERISW
                C SMO READY                                                     VERISW
     ISN 0222       ISMO=0                                                      VERISW
     ISN 0223       ST2F05=0                                                    VERISW
     ISN 0224       ST2F00=1                                                    VERISW
     ISN 0225       PMSGN=5                                                     VERISW
     ISN 0226       STATE = 4                                                   VERISW
     ISN 0227       GO TO 980                                                   VERISW
                C                                                               VERISW
                C     STATE 4                                                   VERISW
                C           PERFORM SMO OPERATION UNTIL PROCEED ISSUED          VERISW
                C                                                               VERISW
     ISN 0228     574 CONTINUE                                                  VERISW
                C SMO ACTIVE?                                                   VERISW
     ISN 0229       IF(ISMO) 990,403,411                                        VERISW
                C SMO SCHEDULED?                                                VERISW
     ISN 0230     403 CONTINUE                                                  VERISW
     ISN 0231       IF (CM1F12.NE.1) GO TO 410                                  VERISW
                C SCHEDULE ECSMO                                                VERISW
     ISN 0233       CM1F12=0                                                    VERISW
     ISN 0234       ST1F12=1                                                    VERISW
     ISN 0235       ST1F00=1                                                    VERISW
     ISN 0236       ST1F14=0                                                    VERISW
     ISN 0237       ISMO=0                                                      VERISW
     ISN 0238       ST1F13=0                                                    VERISW
     ISN 0239       SMOSEL=1                                                    VERISW
     ISN 0240       GO TO 990                                                   VERISW
                C                                                               VERISW
     ISN 0241     410 CONTINUE                                                  VERISW
                C SMO STOP?                                                     VERISW
     ISN 0242       IF(CM1F13.EQ.0) GO TO 420                                   VERISW
     ISN 0244       STFLG=1                                                     VERISW
     ISN 0245       ST1F13=1                                                    VERISW
     ISN 0246     411 CONTINUE                                                  VERISW
     ISN 0247       ISMO=0                                                      VERISW
                C SMO COMPLETE                                                  VERISW
     ISN 0248       CM1F13=0                                                    VERISW
     ISN 0249       ST1F12=0                                                    VERISW
     ISN 0250       ST1F00=1                                                    VERISW
     ISN 0251       ST1F14=1                                                    VERISW
     ISN 0252       GO TO 990                                                   VERISW
                C                                                               VERISW
     ISN 0253     420 CONTINUE                                                  VERISW
                C SMO EVER STOP?                                                VERISW
     ISN 0254       IF (ST1F13 .EQ. 0) GO TO 990                                VERISW
                C SMO PROCEED?                                                  VERISW
     ISN 0256       IF (CM1F14 .EQ. 0) GO TO 990                                VERISW
                C SMO PHASE OVER                                                VERISW
     ISN 0258       ST1F14=0                                                    VERISW
```

PMSGN=5

STATE = 4

ST1F13=1

SMOSEL=1

PMSGN=6

ST1F13=1

CM1F14=0

PMSGN=X'6F'

SMOSEL=0

```
ISN 0259            ST1F00=1                                                VERISW
ISN 0260            ST1F12=0                                                VERISW
ISN 0261            ST1F13=0                                                VERISW
ISN 0262            CM1F14=0                                                VERISW
ISN 0263            PMSGN=6                                                 VERISW
ISN 0264            STATE =5                                                VERISW
ISN 0265            ISMO=0                                                  VERISW
                C   RUN THROUGH EBA CALCULATIONS                            VERISW
ISN 0266            DO 421 I=1,3                                            VERISW
ISN 0267            J=I-1                                                   VERISW
ISN 0268            CALL DOCALC(J,NTIME)                                    VERISW
ISN 0269          421 CONTINUE                                              VERISW
ISN 0270            GO TO 990                                               VERISW
                C                                                           VERISW
                C   STATE 5                                                 VERISW
                C         WAIT FOR T=0 TIME TO COME                         VERISW
                C                                                           VERISW
ISN 0271          505 CONTINUE                                              VERISW
ISN 0272          508 CONTINUE                                              VERISW
ISN 0273            FOSEL = IAND(FOMTAB(MENIND),MZOOFF)                     VERISW
                C SET UP COMMANDS                                           VERISW
                C   HOLD RELATIVE TIME                                      VERISW
ISN 0274            TIMEX=FOMTAB(MENIND+1)                                  VERISW
ISN 0275            CALL PASSX                                              VERISW
ISN 0276            IF(FOSEL.NE.-1) GO TO 509                               VERISW
ISN 0278            FOSEL=22                                                VERISW
ISN 0279            GO TO 621                                               VERISW
ISN 0280          509 CONTINUE                                              VERISW
                C   TEST FOR T=0                                           VERISW
ISN 0281            IF(STATE.EQ.11) GO TO 510                               VERISW
ISN 0283            IF(ST1F14.EQ.0) GO TO 512                               VERISW
ISN 0285            IF(CM1F14.EQ.0) GO TO 990                               VERISW
ISN 0287          512 CONTINUE                                              VERISW
ISN 0288            CALL CGMT(GMT(1,1),FOMTAB(MENIND+1),GMTFLG)             VERISW
ISN 0289            IF (GMTFLG.EQ.0) GO TO 990                              VERISW
ISN 0291          510 CONTINUE                                              VERISW
ISN 0292            STATE=6                                                 VERISW
ISN 0293            CALL RTDRV(TIMEX)                                       VERISW
                C TIME - START FOR                                          VERISW
                C NODE 0                                                    VERISW
ISN 0294            ST2F00=1                                                VERISW
ISN 0295            ST2F05=0                                                VERISW
ISN 0296            ST2F06=1                                                VERISW
ISN 0297            CM1F14=0                                                VERISW
ISN 0298            ST1F14=0                                                VERISW
ISN 0299            DO 501 I=9,14                                           VERISW
ISN 0300          501 STWRD2(I)=0                                           VERISW
ISN 0301            STWRD2(NODE)=1                                          VERISW
ISN 0302            NODEX=MENIND                                            VERISW
ISN 0303            ST1F00=1                                                VERISW
ISN 0304            ST1F12=0                                                VERISW
ISN 0305            ST1F13=0                                                VERISW
ISN 0306            PMSGN=7                                                 VERISW
ISN 0307            GO TO 980                                               VERISW
```

```
                C                                                                   VERISW
                C       STATE 6                                                     VERISW
                C             TEST FOR NODES                                        VERISW
                C             TEST FOR 60 SECS PRIOR TO POWER OFF                   VERISW
                C             TEST FOR POWER OFF                                    VERISW
                C             TEST FOR HOLD                                         VERISW
                C                                                                   VERISW
    ISN 0308     5706 CONTINUE                                                      VERISW
    ISN 0309          ITX=TLHED(4)                                                  VERISW
    ISN 0310          CALL EXTRCT(FCMTAB(MENIND),TEMP,FCSEL)                        VERISW
    ISN 0311          TIMEX=FCMTAB(MENIND+1)                                        VERISW
                C     IS THIS A NODE?                                               VERISW
    ISN 0312          IF ((TEMP.NE.242).AND.(TEMP.NE.248)) GO TO 610                VERISW
    ISN 0314          IF (ITX .LT. FCMTAB(MENIND+1)) GO TO 610                      VERISW
                C     WAIT FOR LAST NODE TO COMPLETE                                VERISW
    ISN 0316          IF(STFLG.EQ.0)  GO TO 990                                     VERISW
    ISN 0318          IF(TEMP.EQ.248) GO TO 608                                     VERISW
    ISN 0320          ST1F00=1                                                      VERISW
                C SET APPROPRIATE NODE!                                             VERISW
    ISN 0321          STWRD2(NODE)=0                                                VERISW
    ISN 0322          NODE=NODE+1                                                   VERISW
    ISN 0323          STWRD2(NODE)=1                                                VERISW
    ISN 0324          NODEX=MENIND                                                  VERISW
    ISN 0325       608 CONTINUE                                                     VERISW
    ISN 0326          MENIND=MENIND + 2                                             VERISW
    ISN 0327          GO TO 625                                                     VERISW
                C                                                                   VERISW
    ISN 0328       610 CONTINUE                                                     VERISW
                C 60 SECS TO POWER OFF?                                             VERISW
    ISN 0329          IF (TEMP .NE. 243) GO TO 620                                  VERISW
    ISN 0331          IF (ITX .LT. FCMTAB(MENIND+1)) GO TO 620                      VERISW
    ISN 0333       624 CONTINUE                                                     VERISW
                C MESSAGE 60 SECS TO POWER OFF!                                     VERISW
    ISN 0334          PMSGN=15                                                      VERISW
    ISN 0335          GO TO 980                                                     VERISW
                C                                                                   VERISW
    ISN 0336       620 CONTINUE                                                     VERISW
                C POWER OFF?                                                        VERISW
    ISN 0337          IF(TEMP .NE. 244) GO TO 650                                   VERISW
    ISN 0339          IF (ITX .LT. FCMTAB(MENIND+1)) GO TO 959                      VERISW  650
    ISN 0341          IF(STFLG.EQ.0) GO TO 990                                      VERISW
    ISN 0343       621 CONTINUE                                                     VERISW
    ISN 0344          STFLG=1                                                       VERISW
                C SET UP FOR POWER OFF                                              VERISW
    ISN 0345          ST2F07=1                                                      VERISW
    ISN 0346          ST2F00=1                                                      VERISW
    ISN 0347          ST2F06=0                                                      VERISW  ST1F11=0
    ISN 0348          STATE=12                                                      VERISW
    ISN 0349          PMSGN=3                                                       VERISW
    ISN 0350          IF(BMFO.NE.0) GO TO 628                                       VERISW
    ISN 0352          IF (MFO .GT. 1) GO TO 632                                     VERISW
    ISN 0354       625 CONTINUE                                                     VERISW
                C RUN THE  SEQUENCE SELECTED!                                       VERISW
    ISN 0355       628 CONTINUE                                                     VERISW
```

```
ISN 0356          BMFO=0                                                    VERISW
ISN 0357          SIFLG=1                                                   VERISW
ISN 0358          CALL MODSEQ (RCUTIX(1),AMFC,OFFSEC,ISUB)                  VERISW
ISN 0359          CALL PASSX                                                VERISW
ISN 0360          IF(FOSEL.NE.-1) GC TO 626                                 VERISW
ISN 0362          FOSEL=22                                                  VERISW
ISN 0363          GO TO 621                                                 VERISW
ISN 0364        626 CONTINUE                                                VERISW
ISN 0365          CALL RTDRV(TIMEX)                                         VERISW
ISN 0366          GO TO 990                                                 VERISW
                C                                                           VERISW
                C                                                           VERISW
                C COMPUTE DELTA TIME BETWEEN MFC1                           VERISW
                                                                            VERISW
ISN 0367        632 CONTINUE                                                VERISW
ISN 0368          ROUTIX(1)=FCNUM(2)+165                                    VERISW
ISN 0369          CALL IUGMT(JGMT)                                          VERISW
ISN 0370          CALL C22RST                                               VERISW
ISN 0371          FOSEL=35                                                  VERISW
ISN 0372          CALL SGMT(GMT(1,2),JGMT,ITX)                              VERISW
ISN 0373          IF (ITX .LT. 60) GO TO 646                                VERISW
ISN 0375        635 CONTINUE                                                VERISW
ISN 0376          IF (ITX .GE. 120) GO TO 640                               VERISW
ISN 0378          CM1F11=0                                                  VERISW
ISN 0379          ST1F11=0                                                  VERISW
ISN 0380          ST2F00=1                                                  VERISW
ISN 0381          ST2F06=0                                                  VERISW
ISN 0382          ST1F08=1                                                  VERISW
ISN 0383          ST1F00=1                                                  VERISW
ISN 0384          STATE=1                                                   VERISW
ISN 0385          AMFO=1                                                    VERISW
ISN 0386          ISMO=-1                                                   VERISW
ISN 0387          GO TO 990                                                 VERISW
ISN 0388        640 CONTINUE                                                VERISW
ISN 0389          IF(ITX.GT.210) GO TO 645                                  VERISW
                C MODIFY OFF SEQ 1                                          VERISW
ISN 0391          AMFO=2                                                    VERISW
ISN 0392          BMFO=1                                                    VERISW
ISN 0393          GO TO 621                                                 VERISW
ISN 0394        645 CONTINUE                                                VERISW
ISN 0395          IF(ITX.GT.1020) GO TO 646                                 VERISW
ISN 0397          AMFO = 3                                                  VERISW
ISN 0398          BMFO=1                                                    VERISW
                C MODIFIED POWER OFF 2]                                     VERISW
ISN 0399          GO TO 621                                                 VERISW
ISN 0400        646 CONTINUE                                                VERISW
ISN 0401          AMFO=0                                                    VERISW
ISN 0402          MFO=0                                                     VERISW
ISN 0403          FOSEL=22                                                  VERISW
ISN 0404          GO TO 621                                                 VERISW
                C                                                           VERISW
                C                                                           VERISW
ISN 0405        650 CONTINUE                                                VERISW
                C     HOLD?                                                 VERISW
ISN 0406          IF (CM1F09.EQ.0) GO TO 990                                VERISW
```

ORGINAL PAGE IS
OF POOR QUALITY

```
                C     ENTER HOLD                                                VERISW
     ISN 0408         STATE=7                                                   VERISW
     ISN 0409         ACTHLD=TLHED(5)                                           VERISW
     ISN 0410         CM1F09=0                                                  VERISW
     ISN 0411         ST1F09=1                                                  VERISW
     ISN 0412         ST1F00=1                                                  VERISW
     ISN 0413         ST1F10=0                                                  VERISW
     ISN 0414         TIMEX=0                                                   VERISW
     ISN 0415         AMF0=0                                                    VERISW  POSCC=25
     ISN 0416         GO TO 628                                                 VERISW
                C                                                              VERISW
     ISN 0417      5707 CONTINUE                                                VERISW
                C WAIT FOR HOLD TO COMPLETE                                    VERISW
     ISN 0418         IF (STFLG.EQ.0) GO TO 990                                 VERISW
                C     HOLD MODIFIED OFF COMPLETE                               VERISW
     ISN 0420         PMSGN=8                                                   VERISW
                C                                                              VERISW
     ISN 0421           STATE=8                                                 VERISW
     ISN 0422      5708 CONTINUE                                                VERISW
                C ALL OFF?                                                     VERISW
     ISN 0423      5709 CONTINUE                                                VERISW
     ISN 0424       680 CONTINUE                                                VERISW
                C RESTART?                                                     VERISW
     ISN 0425         IF (CM1F10 .EQ. 0) GO TO 990                              VERISW
     ISN 0427         POSEL=37                                                  VERISW
     ISN 0428         CM1F10=0                                                  VERISW
     ISN 0429         ST1F09=0                                                  VERISW
     ISN 0430         ST1F10=1                                                  VERISW
     ISN 0431         ST1F00=1                                                  VERISW
     ISN 0432         IPCF=0                                                    VERISW
     ISN 0433         STATE=10                                                  VERISW
     ISN 0434         TIMEX=0                                                   VERISW  PMSGN=9
     ISN 0435         GO TO 625                                                 VERISW
                C                                                              VERISW
     ISN 0436      5710 CONTINUE                                                VERISW
                C WAIT ON RESTART                                              VERISW
     ISN 0437         IF(STFLG.EQ.0) GO TO 990                                  VERISW
                C     RESTART SEQ COMPLETED                                    VERISW
     ISN 0439         ST1F10=0                                                  VERISW
     ISN 0440         ST1F00=1                                                  VERISW
     ISN 0441         STATE=11                                                  VERISW
     ISN 0442         PMSGN=9                                                   VERISW
                C                                                              VERISW
     ISN 0443      5711 CONTINUE                                                VERISW
     ISN 0444         MENIND=NODEX                                              VERISW
     ISN 0445         GO TO 508                                                 VERISW
                C                                                              VERISW
                C     STATE 12                                                 VERISW
                C          PERFORM POWER OFF                                   VERISW
                C          TEST FOR MFO                                        VERISW
                C                                                              VERISW
     ISN 0446      5712 CONTINUE                                                VERISW
                C     WAIT FOR STOP                                            VERISW
     ISN 0447         IF (STFLG.EQ.0) GO TO 990                                 VERISW
```

```
                C     POWER OFF COMPLETE                                        VERISW
ISN 0449              ST1F08=1                                                  VERISW
ISN 0450              ST2F07=0                                                  VERISW
ISN 0451              ST2F06=0                                                  VERISW
ISN 0452              ST1F00=1                                                  VERISW
                C     IF POWERDOWN FROM ALL SHUTDOWN SET MESSAGE                VERISW
ISN 0453              IF(ST1F04.EQ.1) PMSGN=22                                  VERISW
ISN 0455              ST2F00=1                                                  VERISW
                C     MULTIPLE FO'S                                             VERISW
ISN 0456                STATE=-1                                                VERISW
ISN 0457              IF(MFO.GT.0) STATE=1                                      VERISW
                C                                  IF(CMND.EQ.1) ST2F15=0        VERISW
ISN 0459            990 CONTINUE                                                VERISW
ISN 0460              IF((ST1F00.EQ.0).AND.(ST2F00.EC.0).AND.(PMSGN.EC.0))      VERISW
                     +   GO TO 991                                              VERISW
ISN 0462              SINTL=1                                                   VERISW
ISN 0463            991 CONTINUE                                                VERISW
ISN 0464              GO TO 1010                                                VERISW
                C                                                               VERISW
ISN 0465            980 CONTINUE                                                VERISW
ISN 0466              MENIND=MENIND+2                                           VERISW
ISN 0467              GO TO 990                                                 VERISW
                C                                                               VERISW
ISN 0468           1010 CONTINUE                                                VERISW
ISN 0469              RETURN                                                    VERISW
ISN 0470              END                                                       VERISW
```

```
C00000  47 F0 F 00C     SEPACM   BC     15,12(0,15)
C00004  07                       DC     XL1'07'
C00005  E2C5D7C1C3D440           DC     CL7'SEPACM '
C0000C  90 EC D 00C              STM    14,12,12(13)
C00010  18 4D                    LR     4,13
C00014  98 CD F 020              LM     12,13,32(15)
C00018  50 40 D 004              ST     4,4(0,13)
C0001A  50 D0 4 008              ST     13,8(0,4)
C0001E  07 FC                    BCR    15,12

CONSTANTS

000120  00000000                 DC     XL4'00000000'
000124  00000001                 DC     XL4'00000001'
000128  00000002                 DC     XL4'00000002'
00012C  00000003                 DC     XL4'00000003'
000130  00000004                 DC     XL4'00000004'
000134  00000005                 DC     XL4'00000005'
000138  00000006                 DC     XL4'00000006'
00013C  00000007                 DC     XL4'00000007'
000140  00000008                 DC     XL4'00000008'
000144  00000009                 DC     XL4'00000009'
000148  0000000A                 DC     XL4'0000000A'
00014C  0000000B                 DC     XL4'0000000B'
000150  0000000C                 DC     XL4'0000000C'
000154  0000000E                 DC     XL4'0000000E'
000158  0000000F                 DC     XL4'0000000F'
00015C  00000010                 DC     XL4'00000010'
000160  00000015                 DC     XL4'00000015'
000164  00000016                 DC     XL4'00000016'
000168  0000001C                 DC     XL4'0000001C'
00016C  0000001E                 DC     XL4'0000001E'
000170  0000001F                 DC     XL4'0000001F'
000174  00000023                 DC     XL4'00000023'
000178  00000025                 DC     XL4'00000025'
00017C  00000028                 DC     XL4'00000028'
000180  0000002D                 DC     XL4'0000002D'
000184  0000002E                 DC     XL4'0000002E'
000188  00000030                 DC     XL4'00000030'
00018C  0000003A                 DC     XL4'0000003A'
000190  0000003C                 DC     XL4'0000003C'
000194  0000004F                 DC     XL4'0000004F'
000198  00000050                 DC     XL4'00000050'
00019C  00000078                 DC     XL4'00000078'
0001A0  00000089                 DC     XL4'00000089'
0001A4  000000A5                 DC     XL4'000000A5'
0001A8  000000D2                 DC     XL4'000000D2'
0001AC  000000D5                 DC     XL4'000000D5'
0001B0  000000F1                 DC     XL4'000000F1'
0001B4  000000F2                 DC     XL4'000000F2'
0001B8  000000F3                 DC     XL4'000000F3'
0001BC  000000F4                 DC     XL4'000000F4'
0001C0  000000F8                 DC     XL4'000000F8'
0001C4  000003FC                 DC     XL4'000003FC'
0001C8  0008208E                 DC     XL4'0008208E'
```

ADCONS FOR VARIABLES AND CONSTANTS
ADCONS FOR COMMON

```
000210  00000000                    DC    XL4'00000000'
000214  FFFFFFFE                    DC    XL4'FFFFFFFE'
000218  FFFFFFFE                    DC    XL4'FFFFFFFE'
00021C  00000000                    DC    XL4'00000000'
000220  00000000                    DC    XL4'00000000'
000224  00000000                    DC    XL4'00000000'
000228  FFFFFFFE                    DC    XL4'FFFFFFFE'
00022C  00002EEC                    DC    XL4'00002EEC'
000230  00000000                    DC    XL4'00000000'
000234  FFFFFFFE                    DC    XL4'FFFFFFFE'
000238  00000000                    DC    XL4'00000000'
00023C  FFFFFFFE                    DC    XL4'FFFFFFFE'
000240  00000000                    DC    XL4'00000000'
000244  FFFFFFFE                    DC    XL4'FFFFFFFE'
000248  00000000                    DC    XL4'00000000'
00024C  FFFFFFFE                    DC    XL4'FFFFFFFE'
```

ADCONS FOR EXTERNAL REFERENCES

```
000250  00000000                    DC    XL4'00000000'          CGMT
000254  00000000                    DC    XL4'00000000'          IAND
000258  00000000                    DC    XL4'00000000'          SGMT
00025C  00000000                    DC    XL4'00000000'          IUGMT
000260  00000000                    DC    XL4'00000000'          PASSX
000264  00000000                    DC    XL4'00000000'          RTDRV
000268  00000000                    DC    XL4'00000000'          C22DWN
00026C  00000000                    DC    XL4'00000000'          C22RST
000270  00000000                    DC    XL4'00000000'          DEPRTC
000274  00000000                    DC    XL4'00000000'          DCCALC
000278  00000000                    DC    XL4'00000000'          ENABLE
00027C  00000000                    DC    XL4'00000000'          EXTRCT
000280  00000000                    DC    XL4'00000000'          INHIBT
0002E4  00000000                    DC    XL4'00000000'          MODSEQ
```

DATA CONSTANTS

```
0001EE  0001                        DC    XL2'0001'              SELSTD
0001F0  0001                        DC    XL2'0001'              SELSTD
0001F2  0002                        DC    XL2'0002'              SELSTD
0001F4  0001                        DC    XL2'0001'              SELSTD
0001F6  0003                        DC    XL2'0003'              SELSTD
0001F8  0004                        DC    XL2'0004'              SELSTD
0001FA  0005                        DC    XL2'0005'              SELSTD
000298  58 90 D 218        100001   L      9, 536( 0,13)
0002A0  58 80 D 210                 L      8, 528( 0,13)
0002A4  58 70 D 208                 L      7, 520( 0,13)
0002A8  58 60 D 1E8                 L      6, 488( 0,13)
0002AC  58 B0 D 1F8                 L     11, 504( 0,13)
0002B0  41 A0 0 001                 LA    10,   1( 0, 0)          1
0002B4  48 00 6 000                 LH     0,   0( 0, 6)          STATE
0002B8  12 00                       LTR    0, 0
0002BA  47 90 D 2AA                 BC     9, 682( 0,13)          5700
0002BE  48 00 6 000                 LH     0,   0( 0, 6)          STATE
0002C2  47 20 D 3D2                 BC     2, 978( 0,13)          25
0002C6  58 F0 D 1F4         5699    L     15, 500( 0,13)
0002CA  49 A0 F 000                 CH    10,   0( 0,15)          SINTL
```

```
0002CE  47 90 D EFC                  BC    9,3836( 0,13)                  591
0002D2  41 00 0 009          5700    LA    0,   9( 0, 0)                    9
0002D6  40 00 D 1B2                  STH   0, 434( 0,13)                NODE
0002DA  41 00 0 000                  LA    0,   0( 0, 0)                    0
0002DE  40 00 B 002                  STH   0,   2( 0,11)              SMOSEL
0002E2  40 00 D 1AA                  STH   0, 426( 0,13)                AMFO
0002E6  40 00 B 006                  STH   0,   6( 0,11)              PMSGN
0002EA  40 00 6 002                  STH   0,   2( 0, 6)                ISMO
0002EE  40 00 6 0C4                  STH   0,   4( 0, 6)                IPCF
0002F2  40 00 6 006                  STH   0,   6( 0, 6)                FCGU
0002F6  40 00 6 01C                  STH   0,  28( 0, 6)                MFO
0002FA  40 00 D 1AC                  STH   0, 428( 0,13)               BMFO
0002FE  18 4A                        LR    4,10
000300  58 90 D 224                  L     9, 548( 0,13)
000304  58 80 D 21C                  L     8, 540( 0,13)
0003C8  58 60 D 214                  L     6, 532( 0,13)
0003CC  58 50 D 20C                  L     5, 524( 0,13)
000310  41 70 0 000                  LA    7,   0( 0, 0)                    0
000314  18 34                100002 LR    3, 4
000316  89 30 0 001                  SLL   3,   1( 0, 0)
00031A  40 73 5 000                  STH   7,   0( 3, 5)              STWRD1
00031E  40 73 6 000                  STH   7,   0( 3, 6)              STWRD2
000322  40 73 8 000                  STH   7,   0( 3, 8)              CMWRD1
000326  40 73 9 000             40   STH   7,   0( 3, 9)              CMWRD2
00032A  18 24                        LR    2, 4
00032C  1A 2A                        AR    2,10
00032E  18 42                        LR    4, 2
000330  59 40 D 134                  C     4, 308( 0,13)                   10
000334  47 D0 D 2EC                  EC    13, 748( 0,13)             K $-0
000338  58 90 D 218          100003  L     9, 536( 0,13)
00033C  58 80 D 210                  L     8, 528( 0,13)
000340  58 70 D 208                  L     7, 520( 0,13)
000344  58 60 D 1E8                  L     6, 488( 0,13)
000348  40 A0 7 000                  STH   10,   0( 0, 7)             ST1F00
00034C  40 A0 8 000                  STH   10,   0( 0, 8)             ST2F00
000350  40 A0 8 01E                  STH   10,  30( 0, 8)             ST2F15
000354  40 A0 6 000                  STH   10,   0( 0, 6)              STATE
000358  18 3A                        LR    3,10
00035A  41 70 0 000                  LA    7,   0( 0, 0)                    0
00035E  41 60 0 003                  LA    6,   3( 0, 0)                    3
000362  18 5A                        LR    5,10
000364  18 23                   41   LR    2, 3
000366  89 20 0 002                  SLL   2,   2( 0, 0)
00036A  50 72 D 100                  ST    7, 464( 2,13)                THVC
00036E  18 23                        LR    2, 3
000370  1A 25                        AR    2, 5
000372  18 32                        LR    3, 2
000374  19 36                        CR    3, 6
000376  47 D0 D 33C                  BC    13, 828( 0,13)                  41
00037A  58 90 D 218          100004  L     9, 536( 0,13)
00037E  58 80 D 210                  L     8, 528( 0,13)
000382  58 70 D 208                  L     7, 520( 0,13)
000386  58 60 D 1E8                  L     6, 488( 0,13)
00038A  41 00 0 000                  LA    0,   0( 0, 0)                    0
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C0038E  40 00 D 1B0                  STH   0, 432( 0,13)                NHVC
000392  41 00 0 030                  LA    0,  48( 0, 0)                 30
000396  40 00 B C4A                  STH   0,  74( 0,11)                ROUTIX
00039A  41 00 0 02D                  LA    0,  45( 0, 0)                 2D
00039E  40 00 B 04C                  STH   0,  76( 0,11)                ROUTIX
0003A2  41 00 0 02E                  LA    0,  46( 0, 0)                 2E
0003A6  40 00 B 04E                  STH   0,  78( 0,11)                ROUTIX
0003AA  41 00 0 C15                  LA    0,  21( 0, 0)                 15
0003AE  40 00 B 050                  STH   0,  80( 0,11)                ROUTIX
0003B2  41 00 0 00B                  LA    0,  11( 0, 0)                 B
0003B6  40 00 B 052                  STH   0,  82( 0,11)                ROUTIX
0003BA  41 00 0 C89                  LA    0, 137( 0, 0)                 89
0003BE  40 00 B 054                  STH   0,  84( 0,11)                ROUTIX
0003C2  41 00 0 002                  LA    0,   2( 0, 0)                 2
0003C6  40 00 B 056                  STH   0,  86( 0,11)                ROUTIX
0003CA  47 F0 D E84                  BC   15,3764( 0,13)                590
0003CE  41 00 0 016          5713    LA    0,  22( 0, 0)                 16
0003D2  40 00 B 000                  STH   0,   0( 0,11)                FOSEL
0003D6  40 A0 8 004                  STH   10,  4( 0,11)                STFLG
0003DA  41 00 0 000                  LA    0,   0( 0, 0)                 0
0003DE  40 00 6 01E                  STH   0,  30( 0, 6)                TIMEX
0003E2  40 00 9 008                  STH   0,   8( 0, 9)                CM1F04
0003E6  40 A0 7 008                  STH   10,  8( 0, 7)                ST1F04
0003EA  41 00 0 000                  LA    0,   0( 0, 0)                 0
0003EE  40 00 7 012                  STH   0,  18( 0, 7)                ST1F09
0003F2  40 A0 7 000                  STH   10,  0( 0, 7)                ST1F00
0003F6  47 F0 D C38                  BC   15,3128( 0,13)                621
0003FA  41 00 0 002            30    LA    0,   2( 0, 0)                 2
0003FE  40 00 D 1A4                  STH   0, 420( 0,13)                I
000402  48 40 D 1A4                  LH    4, 420( 0,13)                I
000406  41 70 0 008                  LA    7,   8( 0, 0)                 8
0004CA  18 6A                        LR    6,10
0004CC  58 50 D 21C                  L     5, 540( 0,13)
000410  18 34                 100005 LR    3, 4
000412  89 30 0 001                  SLL   3,   1( 0, 0)
000416  48 23 5 000                  LH    2,   0( 3, 5)                CMWRD1
00041A  12 22                        LTR   2, 2
00041C  47 90 D 558                  BC    9,1368( 0,13)                35
000420  40 40 D 1A4                  STH   4, 420( 0,13)                I
000424  58 70 D 208          1004    L     7, 520( 0,13)
000428  58 60 D 1E8                  L     6, 488( 0,13)
00042C  48 30 D 1A4                  LH    3, 420( 0,13)                I
000430  89 30 0 001                  SLL   3,   1( 0, 0)
000434  50 30 D 264                  ST    3, 612( 0,13)                .002
000438  58 F0 D 20C                  L     15, 524( 0,13)
00043C  40 A3 F 000                  STH   10,  0( 3,15)                STWRD1
000440  41 00 0 000                  LA    0,   0( 0, 0)                 0
000444  58 F0 D 21C                  L     15, 540( 0,13)
000448  40 03 F 000                  STH   0,   0( 3,15)                CMWRD1
00044C  48 00 D 1A4                  LH    0, 420( 0,13)                I
000450  59 00 D 10C                  C     0, 268( 0,13)                5
000454  47 90 D 3A6                  BC    9, 934( 0,13)                5713
000458  48 00 D 1A4          100006  LH    0, 420( 0,13)                I
00045C  59 00 D 104                  C     0, 260( 0,13)                3
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000460  47 60 D 510          BC     6,1296( 0,13)          31
000464  48 30 D 180  100007  LH     3, 432( 0,13)          NHVC
000468  1A 3A               AR     3,10
00046A  40 30 D 180          STH    3, 432( 0,13)          NHVC
00046E  59 30 D 104          C      3, 260( 0,13)          3
000472  47 D0 D 466          BC     13,1126( 0,13)         1C06
000476  58 30 D 1D8  10C5    L      3, 472( 0,13)          THVC
00047A  50 30 D 1D4          ST     3, 468( 0,13)          THVC
00047E  58 30 D 1DC          L      3, 476( 0,13)          THVC
000482  50 30 D 1D8          ST     3, 472( 0,13)          THVC
000486  41 00 0 003          LA     0,   3( 0, 0)          3
00048A  40 00 D 180          STH    0, 432( 0,13)          NHVC
00048E  41 10 D C88  1005    LA     1, 136( 0,13)
000492  58 F0 D 248          L      15, 584( 0,13)         DEPRTC
000496  05 EF               BALR   14,15
000498  47 00 0 C58          BC     0,  88( 0, 0)
00049C  40 00 D 26C          STH    0, 620( 0,13)          .T00
0004A0  48 30 D 180          LH     3, 432( 0,13)          NHVC
0004A4  89 30 0 002          SLL    3,   2( 0, 0)
0004A8  48 00 D 26C          LH     0, 620( 0,13)          .T00
0004AC  50 03 D 1D0          ST     0, 464( 3,13)          THVC
0004B0  48 00 D 180          LH     0, 432( 0,13)          NHVC
0004B4  59 00 D 104          C      0, 260( 0,13)          3
0004B8  47 40 D 4A4          BC     4,1188( 0,13)          1008
0004BC  58 30 D 1DC  100008  L      3, 476( 0,13)          THVC
0004C0  5B 30 D 1D4          S      3, 468( 0,13)
0004C4  59 30 D 1A0          C      3, 416( 0,13)          82CBE
0004C8  47 D0 D 504          BC     13,1284( 0,13)         1C09
0004CC  1B 11        1008    SR     1, 1
0004CE  58 F0 D 258          L      15, 600( 0,13)         INITBT
0004D2  05 EF               BALR   14,15
0004D4  47 00 0 05E          BC     0,  94( 0, 0)
0004D8  40 A0 6 020          STH    10,  32( 0, 6)         MERGE
0004DC  58 F0 D 200          L      15, 512( 0,13)
0004E0  18 5A               LR     5,10
0004E2  4A 50 F 00A          AH     5,  10( 0,15)
0004E6  5C 40 D 120          M      4, 288( 0,13)          A
0004EA  40 50 6 01E          STH    5,  30( 0, 6)          TIMEX
0004EE  41 50 0 00C          LA     5,  12( 0, 0)          C
0004F2  4C 50 F 006          MH     5,   6( 0,15)
0004F6  48 35 F 00C          LH     3,  12( 5,15)          CXREG
0004FA  40 30 F 006          STH    3,   6( 0,15)          TLHED
0004FE  41 00 0 028          LA     0,  40( 0, 0)          28
000502  40 00 B 000          STH    0,   0( 0,11)          FOSEL
000506  1B 11               SR     1, 1
000508  58 F0 D 238          L      15, 568( 0,13)         PASSX
00050C  05 EF               BALR   14,15
00050E  47 00 0 C63          BC     0,  99( 0, 0)
000512  1B 11               SR     1, 1
000514  58 F0 D 250          L      15, 592( 0,13)         ENABLE
000518  05 EF               BALR   14,15
00051A  47 00 0 064          BC     0, 100( 0, 0)
00051E  13 3A               LCR    3,10
000520  49 30 B 000          CH     3,   0( 0,11)          FOSEL
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000524  47 90 D 3A6                BC     9, 934( 0,13)                5713
000528  47 F0 D 52E    100009      BC    15,1326( 0,13)                  34
00052C  41 00 0 002      1009      LA     0,   2( 0, 0)                   2
000530  40 00 D 1A4                STH    0, 420( 0,13)                   I
000534  47 F0 D 3FC                BC    15,1020( 0,13)                1004
000538  58 E0 D 264         31     L     14, 612( 0,13)                .G02
00053C  41 0E D 1C2                LA     0, 450(14,13)              SELSTD
000540  50 00 D 08C                ST     0, 140( 0,13)
000544  92 80 D 08C                MVI    8, 140( 0,13)
000548  41 10 D 08C                LA     1, 140( 0,13)
00054C  58 F0 D 240                L     15, 576( 0,13)             C22DWN
000550  05 EF                     BALR  14,15
000552  47 00 0 06C                BC     0, 108( 0, 0)
000556  58 30 D 12C         34     L      3, 300( 0,13)                   E
00055A  4A 30 D 1A4                AH     3, 420( 0,13)                   I
00055E  40 30 B 0C6                STH    3,   6( 0,11)              PMSGN
000562  48 00 D 1A4                LH     0, 420( 0,13)                   I
000566  59 00 D 108                C      0, 264( 0,13)                   4
00056A  47 D0 D 550                BC    13,1360( 0,13)            D  H 3DC
00056E  13 3A            100010    LCR    3,10
000570  4A 30 B 006               AH     3,   6( 0,11)              PMSGN
000574  40 30 B 006               STH    3,   6( 0,11)              PMSGN
000578  40 A0 7 000      100011    STH   10,   0( 0, 7)              ST1F00
00057C  47 F0 D EB4                BC    15,3764( 0,13)                 590
000580  18 24                35    LR     2, 4
000582  1A 26                       AR     2, 6
000584  18 42                       LR     4, 2
000586  19 47                       CR     4, 7
000588  47 D0 D 3E8                BC    13,1000( 0,13)            D  H S/M
00058C  40 40 D 1A4                STH    4, 420( 0,13)                   I
000590  58 70 D 208      100012    L      7, 520( 0,13)
000594  58 60 D 1E8                L      6, 488( 0,13)
000598  58 F0 D 1F0                L     15, 496( 0,13)
00059C  48 30 F 03C                LH     3,  60( 0,15)              PCFBFR
0005A0  40 30 D 268                STH    3, 616( 0,13)                .G03
0005A4  49 30 8 002                CH     3,   2( 0, 8)              ST2F01
0005A8  47 60 D 5AA                BC     6,1450( 0,13)                  37
0005AC  58 F0 D 220      100013    L     15, 544( 0,13)
0005B0  48 00 F 002                LH     0,   2( 0,15)              CM2F01
0005B4  12 00                      LTR    0, 0
0005B6  47 90 D 5CC                BC     9,1484( 0,13)                  38
0005BA  41 00 0 000      100014    LA     0,   0( 0, 0)                   0
0005BE  58 F0 D 220                L     15, 544( 0,13)
0005C2  40 00 F 002                STH    0,   2( 0,15)              CM2F01
0005C6  13 33                      LCR    3, 3
0005C8  1A 3A                      AR     3,10
0005CA  58 F0 D 1F0                L     15, 496( 0,13)
0005CE  40 30 F 03C                STH    3,  60( 0,15)              PCFBFR
0005D2  58 F0 D 1F0         37     L     15, 496( 0,13)
0005D6  48 30 F 03C                LH     3,  60( 0,15)              PCFBFR
0005DA  40 30 8 002                STH    3,   2( 0, 8)              ST2F01
0005DE  40 A0 8 000                STH   10,   0( 0, 8)              ST2F00
0005E2  12 33                      LTR    3, 3
0005E4  47 60 D 5CC                BC     6,1484( 0,13)                  38
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0005E8  41 00 0 00C        100015  LA     0,   12( 0, 0)                C
0005EC  40 00 B 006                STH    0,    6( 0,11)              PMSGN
0005F0  47 F0 D EB4                BC    15,3764( 0,13)               590
0005F4  58 F0 D 220          38    L     15,  544( 0,13)
0005F8  48 00 F 004                LH     0,    4( 0,15)              CM2F02
0005FC  12 00                      LTR    0, 0
0005FE  47 90 D 604                BC     9,1540( 0,13)                42
000602  41 00 0 000        100016  LA     0,    0( 0, 0)                0
0006C6  58 F0 D 220                L     15,  544( 0,13)
0006CA  40 00 F 004                STH    0,    4( 0,15)              CM2F02
0006CE  58 F0 D 1F0                L     15,  496( 0,13)
000612  18 3A                     LR     3,10
000614  48 30 F 03E                SH     3,   62( 0,15)
000618  40 30 F 03E                STH    3,   62( 0,15)              PCFBFR
00061C  58 F0 D 1F0          39    L     15,  496( 0,13)
000620  48 00 F 03E                LH     0,   62( 0,15)              PCFBFR
000624  40 00 8 004                STH    0,    4( 0, 8)              ST2F02
000628  40 A0 8 000                STH   10,    0( 0, 8)              ST2F00
00062C  18 3A                42    LR     3,10
00062E  4A 30 6 000                AH     3,    0( 0, 6)              STATE
000632  40 30 D 18C                STH    3,  444( 0,13)              ISTATE
000636  59 30 D 12C                C      3,  300( 0,13)                E
00063A  47 20 D 2AA                BC     2,  682( 0,13)               5700
00063E  18 F3              100017  LR    15, 3
000640  41 E0 0 00E                LA    14,   14( 0, 0)
000644  15 FE                     CLR   15,14
000646  89 F0 0 002                SLL   15,    2( 0, 0)
00064A  47 20 D 62C                BC     2,1580( 0,13)
00064E  58 EF D 04C                L     14,   76(15,13)               76
000652  07 FE                     BCR   15,14
000654  41 00 0 03A          5701  LA     0,   58( 0, 0)               3A
000658  58 F0 D 1F0                L     15,  496( 0,13)
00065C  40 00 F 09E                STH    0,  158( 0,15)              PCFBFR
000660  41 00 0 0D5                LA     0,  213( 0, 0)               D5
000664  40 00 F 0A0                STH    0,  160( 0,15)              PCFBFR
000668  48 00 9 016          5702  LH     0,   22( 0, 9)              CM1F11
00066C  59 00 D 0F8                C      0,  248( 0,13)                0
000670  41 40 0 001                LA     4,    1( 0, 0)
000674  47 80 D 652                BC     8,1618( 0,13)
000678  1B 44                     SR     4, 4
00067A  58 F0 D 1F0                L     15,  496( 0,13)
00067E  48 30 F 038                LH     3,   56( 0,15)              PCFBFR
000682  59 30 D 0F8                C      3,  248( 0,13)                0
000686  41 30 0 001                LA     3,    1( 0, 0)
00068A  47 80 D 668                BC     8,1640( 0,13)
00068E  1B 33                      SR     3, 3
000690  14 34                     NR     3, 4
000692  1B FF                     SR    15,15
000694  86 3F D 688                BXH    3,1672(15,13)               203
000698  49 A0 7 016        100019  CH    10,   22( 0, 7)              ST1F11
00069C  47 90 D 688                BC     9,1672( 0,13)               203
0006A0  40 A0 7 016        100020  STH   10,   22( 0, 7)              ST1F11
0006A4  41 00 0 000                LA     0,    0( 0, 0)                0
0006A8  40 00 9 016                STH    0,   22( 0, 9)              CM1F11
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0006AC  40 A0 7 000          202  STH   10,   0( 0, 7)          STIF00
0006B0  49 A0 6 000          203  CH    10,   0( 0, 6)          STATE
0006B4  47 90 D EB4               BC     9,3764( 0,13)          590
0006B8  48 00 D 1AA       100021  LH     0, 426( 0,13)          AMFD
0006BC  12 00                     LTR    0, 0
0006BE  47 90 D 6BC               BC     9,1724( 0,13)          3204
0006C2  41 00 0 025       100022  LA     0,  37( 0, 0)          25
0006C6  40 00 B 000               STH    0,   0( 0,11)          FOSEL
0006CA  41 00 B C48               LA     0, 72( 0,11)           ROUTIX
0006CE  50 0C D 090               ST     0, 144( 0,13)
0006D2  41 10 D 090               LA     1, 144( 0,13)
0006D6  58 F0 D 25C               L     15, 604( 0,13)          MODSEQ
0006DA  05 EF                     BALR  14,15
0006DC  47 00 0 0A0               BC     0, 160( 0, 0)
0006E0  47 F0 D 6E6               BC    15,1766( 0,13)          3205
0006E4  48 20 B 038          3204 LH     2,  56( 0,11)          MENIND
0006E8  89 20 0 001               SLL    2,   1( 0, 0)
0006EC  58 F0 D 1EC               L     15, 492( 0,13)
0006F0  41 22 F 000               LA     2,   0( 2,15)          FCMTAB
0006F4  50 20 D 0A0               ST     2, 160( 0,13)
0006F8  41 10 D 0A0               LA     1, 160( 0,13)
0006FC  58 F0 D 22C               L     15, 556( 0,13)          IAND
000700  05 EF                     BALR  14,15
000702  47 00 0 0A3               BC     0, 163( 0, 0)
000706  40 00 D 26C               STH    0, 620( 0,13)          .TOO
00070A  40 00 B 000               STH    0,   0( 0,11)          FOSEL
00070E  1B 11             3205    SR     1, 1
000710  58 F0 D 238               L     15, 568( 0,13)          PASSX
000714  05 EF                     BALR  14,15
000716  47 00 0 0A5               BC     0, 165( 0, 0)
00071A  48 00 7 01C               LH     0,  28( 0, 7)          STIF14
00071E  12 00                     LTR    0, 0
000720  47 90 D 70A               BC     9,1802( 0,13)          205
000724  48 00 9 01C       100023  LH     0,  28( 0, 9)          CMIF14
000728  12 00                     LTR    0, 0
00072A  47 90 D EB4               BC     9,3764( 0,13)          590
00072E  47 F0 D 744       100024  BC    15,1860( 0,13)          206
000732  49 A0 D 1AA          205  CH    10, 426( 0,13)          AMFD
000736  47 90 D 744               BC     9,1860( 0,13)          206
00073A  48 30 B 038       100025  LH     3,  56( 0,11)          MENIND
00073E  89 30 0 001               SLL    3,   1( 0, 0)
000742  41 00 B 020               LA     0,  32( 0,11)          GMT
000746  50 00 D 0A8               ST     0, 168( 0,13)
00074A  58 F0 D 1EC               L     15, 492( 0,13)
00074E  41 33 F 002               LA     3,   2( 3,15)          FCMTAB
000752  50 30 D 0AC               ST     3, 172( 0,13)
000756  41 10 D 0A8               LA     1, 168( 0,13)
00075A  58 F0 D 228               L     15, 552( 0,13)          CGMT
00075E  05 EF                     BALR  14,15
000760  47 00 0 0AE               BC     0, 174( 0, 0)
000764  49 A0 D 1BA               CH    10, 442( 0,13)          GMTFLG
000768  47 60 D EB4               BC     6,3764( 0,13)          590
00076C  41 00 B 03A          206  LA     0,  58( 0,11)          FOSIRT
000770  50 00 D C8C               ST     0, 140( 0,13)
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000774  92 80 D 08C          MVI   8, 140( 0,13)
000778  41 10 D 08C          LA    1, 140( 0,13)
00077C  58 F0 D 234          L     15, 564( 0,13)          IUGHT
000780  05 EF                EALR  14,15
000782  47 00 0 082          BC    0, 178( 0, 0)
000786  41 00 0 000      220 LA    0,   0( 0, 0)                0
00078A  40 00 6 004          STH   0,   4( 0, 6)          IPCF
00078E  40 A0 8 00A          STH   10,  10( 0, 8)         ST2F05
000792  40 A0 8 000          STH   10,   0( 0, 8)         ST2F00
000796  41 30 0 007          LA    3,   7( 0, 0)                7
00079A  41 70 0 000          LA    7,   0( 0, 0)                0
00079E  41 60 0 00F          LA    6,  15( 0, 0)                F
0007A2  18 5A                LR    5,10
0007A4  58 40 D 214          L     4, 532( 0,13)
0007A8  18 23            3221 LR    2, 3
0007AA  89 20 0 001          SLL   2,   1( 0, 0)
0007AE  40 72 4 000          STH   7,   0( 2, 4)          ST6RD2
0007B2  18 23                LR    2, 3
0007B4  1A 25                AR    2, 5
0007B6  18 32                LR    3, 2
0007B8  19 36                CR    3, 6
0007BA  47 D0 D 780          BC    13,1920( 0,13)               3221
0007BE  58 70 D 208   100026 L     7, 520( 0,13)
0007C2  58 60 D 1E8          L     6, 488( 0,13)
0007C6  41 00 0 000          LA    0,   0( 0, 0)                0
0007CA  40 00 9 01C          STH   0,  28( 0, 9)          CM1F14
0007CE  40 A0 7 000          STH   10,  0( 0, 7)          ST1F00
0007D2  41 30 0 002          LA    3,   2( 0, 0)                2
0007D6  41 70 0 000          LA    7,   0( 0, 0)                0
0007DA  41 60 0 00B          LA    6,  11( 0, 0)                B
0007DE  18 5A                LR    5,10
0007E0  58 40 D 20C          L     4, 524( 0,13)
0007E4  18 23            3222 LR    2, 3
0007E6  89 20 0 001          SLL   2,   1( 0, 0)
0007EA  40 72 4 000          STH   7,   0( 2, 4)          ST6P01
0007EE  18 23                LR    2, 3
0007F0  1A 25                AR    2, 5
0007F2  18 32                LR    3, 2
0007F4  19 36                CR    3, 6
0007F6  47 D0 D 7BC          BC    13,1980( 0,13)               3222
0007FA  58 70 D 208   100027 L     7, 520( 0,13)
0007FE  58 60 D 1E8          L     6, 488( 0,13)
000802  41 00 0 000          LA    0,   0( 0, 0)                0
0008C6  40 00 7 018          STH   0,  24( 0, 7)          ST1F12
0008CA  40 00 7 01A          STH   0,  26( 0, 7)          ST1F13
0008CE  40 00 7 01C          STH   0,  28( 0, 7)          ST1F14
0008D2  41 00 0 004          LA    0,   4( 0, 0)                4
000816  40 0C B 006          STH   0,   6( 0,11)          PMSGN
00081A  40 A0 B 004          STH   10,  4( 0,11)          STFLG
00081E  41 00 0 003          LA    0,   3( 0, 0)                3
000822  40 00 6 000          STH   0,   0( 0, 6)          STATE
000826  48 40 B 038          LH    4,  56( 0,11)          MENIND
00082A  89 40 0 001          SLL   4,   1( 0, 0)
0008CE  58 F0 D 1EC          L     15, 492( 0,13)
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000832  48 34 F 002             LH     3,    2( 4,15)          FCMTAB
000836  40 30 6 C1E             STH    3,   30( 0, 6)          TIMcX
00083A  48 30 D 1AA             LH     3, 426( 0,13)           AMFD
00083E  12 00                   LTR    0, 0
000840  47 90 D 824             BC     9,2084( 0,13)     D  K 1,Y
000844  48 00 D 1A8     100028  LH     0, 424( 0,13)           ITX
000848  40 00 6 C1E             STH    0,   30( 0, 6)          TIMEX
00084C  41 10 D 004     100029  LA     1, 180( 0,13)
000850  58 F0 D 23C             L     15, 572( 0,13)           RIGAV
000854  05 EF                   BALR  14,15
000856  47 00 0 0C6             BC     0, 198( 0, 0)
00085A  47 F0 D F00             BC    15,3840( 0,13)           980
00085E  48 00 B 004        5703 LH     0,    4( 0,11)          STFLG
000862  12 00                   LTR    0, 0
000864  47 90 D E84             BC     9,3716( 0,13)           990
000868  41 00 0 000     100030  LA     0,    0( 0, 0)           0
00086C  40 00 6 0C4             STH    0,    4( 0, 6)          IPCF
000870  48 30 B 038             LH     3,   56( 0,11)          MENIND
000874  89 3C 0 001             SLL    3,    1( 0, 0)
000878  58 F0 D 1EC             L     15, 492( 0,13)
00087C  41 33 F 000             LA     3,    0( 3,15)          FCMTAB
000880  50 30 D 0B8             ST     3, 184( 0,13)
000884  41 10 D 0B8             LA     1, 184( 0,13)
000888  58 F0 D 254             L     15, 596( 0,13)           EXTRCT
00088C  05 EF                   BALR  14,15
00088E  47 00 0 0CC             BC     0, 204( 0, 0)
000892  48 00 D 1B4             LH     0, 436( 0,13)           TEMP
000896  59 00 D 1B8             C      0, 392( 0,13)           F1
00089A  47 90 D 892             BC     9,2194( 0,13)           305
00089E  41 00 0 005         302 LA     0,    5( 0, 0)           5
0008A2  40 00 6 000             STH    0,    0( 0, 6)          STATE
0008A6  47 F0 D 9DA             BC    15,2522( 0,13)           970
0008AA  58 20 D 100         304 L      2, 256( 0,13)           Z
0008AE  4A 20 B 038             AH     2,   56( 0,11)          MENIND
0008B2  40 20 B 038             STH    2,   56( 0,11)          MENIND
0008B6  47 F0 D 876             BC    15,2166( 0,13)           302
0008BA  48 00 6 002         305 LH     0,    2( 0, 6)          ISMD
0008BE  12 00                   LTR    0, 0
0008C0  47 40 D 882             BC     4,2178( 0,13)           304
0008C4  48 00 7 016     100031  LH     0,   22( 0, 7)          STIFLL
0008C8  12 00                   LTR    0, 0
0008CA  47 90 D 882             BC     9,2178( 0,13)           304
0008CE  48 40 B 038         303 LH     4,   56( 0,11)          MENIND
0008D2  89 40 0 001             SLL    4,    1( 0, 0)
0008D6  58 F0 D 1EC             L     15, 492( 0,13)
0008DA  48 34 F 002             LH     3,    2( 4,15)          FCMTAB
0008DE  58 F0 D 200             L     15, 512( 0,13)
0008E2  49 30 F 008             CH     3,    8( 0,15)
0008E6  47 B0 D E84             BC    11,3716( 0,13)           990
0008EA  40 A0 B 004     100032  STH    10,   4( 0,11)          STFLG
0008EE  41 00 0 000             LA     0,    0( 0, 0)           0
0008F2  40 00 6 002             STH    0,    2( 0, 6)          ISMD
0008F6  40 00 8 00A             STH    0,   10( 0, 8)          ST2F05
0008FA  40 A0 8 000             STH    10,   0( 0, 8)          ST2F00
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0008FE  41 00 0 005           LA    0,    5( 0, 0)          5
000902  40 00 B 006           STH   0,    6( 0,11)       PMSGN
000906  41 00 0 004           LA    0,    4( 0, 0)          4
0009CA  40 00 6 000           STH   0,    0( 0, 6)       STATE
00090E  47 F0 D F00           BC   15,3840( 0,13)         980
000912  48 00 6 002      5704 LH    0,    2( 0, 6)        ISMO
000916  12 00                LTR   0, 0
000918  47 40 D EB4           BC    4,3764( 0,13)         990
00091C  48 00 6 002           LH    0,    2( 0, 6)        ISMO
000920  47 20 D 93E           BC    2,2366( 0,13)         411
000924  49 A0 9 018       403 CH    10,   24( 0, 9)      CM1F12
000928  47 60 D 92C           BC    6,2348( 0,13)         410
00092C  41 00 0 000    100033 LA    0,    0( 0, 0)          0
000930  40 00 9 018           STH   0,   24( 0, 9)      CM1F12
000934  40 A0 7 018           STH   10,  24( 0, 7)      ST1F12
000938  40 A0 7 000           STH   10,   0( 0, 7)      ST1F00
00093C  41 00 0 000           LA    0,    0( 0, 0)          0
000940  40 00 7 01C           STH   0,   28( 0, 7)      ST1F14
000944  40 00 6 002           STH   0,    2( 0, 6)        ISMO
000948  40 00 7 01A           STH   0,   26( 0, 7)      ST1F13
00094C  40 A0 B 002           STH   10,   2( 0,11)      SMOSEL
000950  47 F0 D EB4           BC   15,3764( 0,13)         990
000954  48 00 9 01A       410 LH    0,   26( 0, 9)      CM1F13
000958  12 00                LTR   0, 0
00095A  47 90 D 95A           BC    9,2394( 0,13)         420
00095E  40 A0 B 004    100034 STH   10,   4( 0,11)       STFLG
000962  40 A0 7 01A           STH   10,  26( 0, 7)      ST1F13
000966  41 00 0 000       411 LA    0,    0( 0, 0)          0
00096A  40 00 6 002           STH   0,    2( 0, 6)        ISMO
00096E  40 00 9 01A           STH   0,   26( 0, 9)      CM1F13
000972  40 00 7 018           STH   0,   24( 0, 7)      ST1F12
000976  40 A0 7 000           STH   10,   0( 0, 7)      ST1F00
00097A  40 A0 7 01C           STH   10,  28( 0, 7)      ST1F14
00097E  47 F0 D EB4           BC   15,3764( 0,13)         990
000982  48 00 7 01A       420 LH    0,   26( 0, 7)      ST1F13
000986  12 00                LTR   0, 0
000988  47 90 D EB4           BC    9,3764( 0,13)         990
00098C  48 00 9 01C    100035 LH    0,   28( 0, 9)      CM1F14
000990  12 00                LTR   0, 0
000992  47 90 D EB4           BC    9,3764( 0,13)         990
000996  41 00 0 000    100036 LA    0,    0( 0, 0)          0
00099A  40 00 7 01C           STH   0,   28( 0, 7)      ST1F14
00099E  40 A0 7 000           STH   10,   0( 0, 7)      ST1F00
0009A2  41 00 0 000           LA    0,    0( 0, 0)          0
0009A6  40 00 7 018           STH   0,   24( 0, 7)      ST1F12
0009AA  40 00 7 01A           STH   0,   26( 0, 7)      ST1F13
0009AE  40 00 9 01C           STH   0,   28( 0, 9)      CM1F14
0009B2  41 00 0 006           LA    0,    6( 0, 0)          6
0009B6  40 00 B 006           STH   0,    6( 0,11)       PMSGN
0009BA  41 00 0 005           LA    0,    5( 0, 0)          5
0009BE  40 00 6 000           STH   0,    0( 0, 6)       STATE
0009C2  41 00 0 000           LA    0,    0( 0, 0)          0
0009C6  40 00 6 002           STH   0,    2( 0, 6)        ISMO
0009CA  18 3A                 LR    3,10
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000CCC  41 60 0 003             LA    6,   3( 0, 0)          3
000CD0  18 5A                   LR    5,10
000CD2  18 48                   LR    4,11
000CD4  18 23           100037  LR    2, 3
000CD6  1B 25                   SR    2, 5
000CD8  40 20 D 1A6             STH   2, 422( 0,13)          J
000CDC  41 10 D 0C4             LA    1, 196( 0,13)
000CE0  58 F0 D 24C             L     15, 588( 0,13)         DECALC
000CE4  05 EF                   BALR  14,15
000CE6  47 00 C 10C             BC    0, 268( 0, 0)
000CEA  18 23             421   LR    2, 3
000CEC  1A 25                   AR    2, 5
000CEE  18 32                   LR    3, 2
000CF0  19 36                   CR    3, 6
000CF2  47 D0 D 9AC             BC    13,2476( 0,13)         0
000CF6  58 70 D 208     100038  L     7, 520( 0,13)
000CFA  58 60 D 1E8             L     6, 488( 0,13)
000CFE  47 F0 D E84             BC    15,3716( 0,13)         590
000D02  48 30 B 038       508   LH    3,  56( 0,11)          MENIND
000D06  89 30 0 001             SLL   3,   1( 0, 0)
000D0A  58 F0 D 1EC             L     15, 492( 0,13)
000D0E  41 33 F 000             LA    3,   0( 3,15)          FOMTAB
000D12  50 30 D 0A0             ST    3, 160( 0,13)
000D16  41 10 D 0A0             LA    1, 160( 0,13)
000D1A  58 F0 D 22C             L     15, 556( 0,13)         IAND
000D1E  05 EF                   BALR  14,15
000D20  47 00 0 111             BC    0, 273( 0, 0)
000D24  40 00 D 270             STH   0, 624( 0,13)          .101
000D28  40 00 B 000             STH   0,   0( 0,11)          FOSEL
000D2C  48 30 B 038             LH    3,  56( 0,11)          MENIND
000D30  89 30 0 001             SLL   3,   1( 0, 0)
000D34  58 F0 D 1EC             L     15, 492( 0,13)
000D38  48 03 F 002             LH    0,   2( 3,15)          FCMTAB
000D3C  40 00 6 01E             STH   0,  30( 0, 6)          TIMEX
000D40  1B 11                   SR    1, 1
000D42  58 F0 D 238             L     15, 568( 0,13)         PASSX
000D46  05 EF                   BALR  14,15
000D48  47 00 0 113             BC    0, 275( 0, 0)
000D4C  13 3A                   LCR   3,10
000D4E  49 30 B 000             CH    3,   0( 0,11)          FOSEL
000D52  47 60 D A3A             BC    6,2618( 0,13)          509
000D56  41 00 0 016     100039  LA    0,  22( 0, 0)          16
000D5A  40 00 B 000             STH   0,   0( 0,11)          FOSEL
000D5E  47 F0 D C38             BC    15,3128( 0,13)         621
000D62  48 00 6 000       509   LH    0,   0( 0, 6)          STATE
000D66  59 00 D 124             C     0, 292( 0,13)          8
000D6A  47 90 D A8E             BC    9,2702( 0,13)          510
000D6E  48 00 7 01C     100040  LH    0,  28( 0, 7)          STIF14
000D72  12 00                   LTR   0, 0
000D74  47 90 D A5A             BC    9,2650( 0,13)          512
000D78  48 00 9 01C     100041  LH    0,  28( 0, 9)          CMIF14
000D7C  12 00                   LTR   0, 0
000D7E  47 90 D E84             BC    9,3716( 0,13)          590
000D82  48 20 B 038       512   LH    2,  56( 0,11)          MENIND
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000A86  89 20 0 001              SLL   2,    1( 0, 0)
000A8A  41 00 B 020              LA    0,   32( 0,11)          GMT
000A8E  50 0C D 0A8              ST    0,  168( 0,13)
000A92  58 F0 D 1EC              L    15,  492( 0,13)
000A96  41 22 F 002              LA    2,    2( 2,15)          FCMTAB
000A9A  50 20 D 0AC              ST    2,  172( 0,13)
000A9E  41 10 D 0A8              LA    1,  168( 0,13)
000AA2  58 F0 D 228              L    15,  552( 0,13)          CGMT
000AA6  05 EF                    BALR 14,15
000AA8  47 00 0 120              BC    0,  288( 0, 0)
000AAC  48 00 D 1BA              LH    0,  442( 0,13)          GMTFLG
000AB0  12 00                    LTR   0, 0
000AB2  47 90 D E84              BC    9,3716( 0,13)          S90
000AB6  41 00 0 006        510   LA    0,    6( 0, 0)          6
000ABA  40 00 6 000              STH   0,    0( 0, 6)          STATE
000ABE  41 10 D 084              LA    1,  180( 0,13)
000AC2  58 F0 D 23C              L    15,  572( 0,13)          RTDRV
000AC6  05 EF                    BALR 14,15
000AC8  47 00 0 125              BC    0,  293( 0, 0)
000ACC  40 A0 8 000              STH   10,   0( 0, 8)          ST2F00
000AD0  41 00 0 000              LA    0,    0( 0, 0)          0
000AD4  40 00 8 00A              STH   0,   10( 0, 8)          ST2F05
000AD8  40 A0 8 00C              STH   10,  12( 0, 8)          ST2F06
000ADC  41 00 0 000              LA    0,    0( 0, 0)          0
000AE0  40 00 9 01C              STH   0,   28( 0, 9)          CM1FI4
000AE4  40 00 7 01C              STH   0,   28( 0, 7)          ST1FL4
000AE8  41 30 0 009              LA    3,    9( 0, 0)          9
000AEC  41 70 0 000              LA    7,    0( 0, 0)          0
000AF0  41 60 0 00E              LA    6,   14( 0, 0)          E
000AF4  18 5A                    LR    5,10
000AF6  58 40 D 214              L     4,  532( 0,13)
000AFA  18 23              501   LR    2, 3
000AFC  89 20 0 001              SLL   2,    1( 0, 0)
000B00  40 72 4 000              STH   7,    0( 2, 4)          STWRD2
000B04  18 23                    LR    2, 3
000B06  1A 25                    AR    2, 5
000B08  18 32                    LR    3, 2
000B0A  19 36                    CR    3, 6
000B0C  47 D0 D AD2              BC   13,2770( 0,13)          501
000B10  58 70 D 208     100042   L     7,  520( 0,13)
000B14  58 60 D 1E8              L     6,  488( 0,13)
000B18  48 20 D 1B2              LH    2,  434( 0,13)          NODE
000B1C  89 20 0 001              SLL   2,    1( 0, 0)
000B20  58 F0 D 214              L    15,  532( 0,13)
000B24  40 A2 F 000              STH   10,   0( 2,15)          STWRD2
000B28  48 00 B 038              LH    0,   56( 0,11)          MENIND
000B2C  40 00 D 1B6              STH   0,  438( 0,13)          NODEX
000B30  40 A0 7 000              STH   10,   0( 0, 7)          ST1F00
000B34  41 00 0 000              LA    0,    0( 0, 0)          0
000B38  40 00 7 018              STH   0,   24( 0, 7)          ST1F12
000B3C  40 00 7 01A              STH   0,   26( 0, 7)          ST1F13
000B40  41 00 0 007              LA    0,    7( 0, 0)          7
000B44  40 00 B 006              STH   0,    6( 0,11)          PMSGN
000B48  47 F0 D F00              BC   15,3840( 0,13)          S80
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000C16  47 F0 D C6E            BC    15,3182( 0,13)          625
000C1A  48 00 D 1B4      610   LH     0, 436( 0,13)          TEMP
000C1E  59 00 D 190            C      0, 400( 0,13)          F3
000C22  47 60 D C16            BC     6,3094( 0,13)          620
000C26  48 00 D 1A8   100047   LH     0, 424( 0,13)          ITX
000C2A  49 00 6 01E            CH     0,  30( 0, 6)          TIMEX
000C2E  47 40 D C16            BC     4,3094( 0,13)          620
000C32  41 00 0 00F      624   LA     0,  15( 0, 0)          F
000C36  40 00 B 006            STH    0,   6( 0,11)          PMSGN
000C3A  47 F0 D F00            BC    15,3840( 0,13)          580
000C3E  48 00 D 1B4      620   LH     0, 436( 0,13)          TEMP
000C42  59 00 D 194            C      0, 404( 0,13)          F4
000C46  47 60 D DA2            BC     6,3490( 0,13)          650
000C4A  48 00 D 1A8   100048   LH     0, 424( 0,13)          ITX
000C4E  49 00 6 01E            CH     0,  30( 0, 6)          TIMEX
000C52  47 40 D EB4            BC     4,3764( 0,13)          590
000C56  48 00 B 004   100049   LH     0,   4( 0,11)          STFLG
000C5A  12 00                  LTR    0, 0
000C5C  47 90 D EB4            BC     9,3764( 0,13)          590
000C60  40 A0 B 004      621   STH    10,   4( 0,11)         STFLG
000C64  40 A0 8 00E            STH    10,  14( 0, 8)         ST2F07
000C68  40 A0 8 000            STH    10,   0( 0, 8)         ST2F00
000C6C  41 00 0 000            LA     0,   0( 0, 0)          0
000C70  40 00 B 00C            STH    0,  12( 0, 8)          ST2F06
000C74  41 00 0 00C            LA     0,  12( 0, 0)          C
000C78  40 00 6 000            STH    0,   0( 0, 6)          STATE
000C7C  41 00 0 003            LA     0,   3( 0, 0)          3
000C80  40 00 B 006            STH    0,   6( 0,11)          PMSGN
000C84  48 00 D 1AC            LH     0, 428( 0,13)          BMFD
000C88  12 00                  LTR    0, 0
000C8A  47 60 D C6E            BC     6,3182( 0,13)          628
000C8E  49 A0 6 01C   100050   CH     10,  28( 0, 6)         MFD
000C92  47 40 D CC4            BC     4,3268( 0,13)          632
000C96  41 00 0 000      628   LA     0,   0( 0, 0)          0
000C9A  40 00 D 1AC            STH    0, 428( 0,13)          BMFD
000C9E  40 A0 B 004            STH    10,   4( 0,11)         STFLG
000CA2  41 00 B 048            LA     0,  72( 0,11)          ROUTIX
000CA6  50 00 D 0D8            ST     0, 216( 0,13)
000CAA  41 10 D 0D8            LA     1, 216( 0,13)
000CAE  58 F0 D 25C            L      15, 604( 0,13)         MODSEQ
000CB2  05 EF                  BALR   14,15
000CB4  47 00 0 166            BC     0, 358( 0, 0)
000CB8  1B 11                  SR     1, 1
000CBA  58 F0 D 238            L      15, 568( 0,13)         PASSX
000CBE  05 EF                  BALR   14,15
000CC0  47 00 0 167            BC     0, 359( 0, 0)
000CC4  13 3A                  LCR    3,10
000CC6  49 30 B 000            CH     3,   0( 0,11)          FOSEL
000CCA  47 60 D C82            BC     6,3250( 0,13)          626
000CCE  41 00 0 016   100051   LA     0,  22( 0, 0)          16
000CD2  40 00 B 000            STH    0,   0( 0,11)          FOSEL
000CD6  47 F0 D C38            BC    15,3128( 0,13)          621
000CDA  41 10 D 0B4      626   LA     1, 180( 0,13)
000CDE  58 F0 D 23C            L      15, 572( 0,13)         RTDRV
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000CE2  05 EF                          EALR  14,15
000CE4  47 00 0 16D                    BC     0, 365( 0, 0)
000CF8  47 F0 D EB4                    BC    15,3764( 0,13)                    S90
000CEC  58 30 D 17C          632       L      3, 380( 0,13)                    A5
000CF0  4A 30 B 01A                    AH     3,  26( 0,11)
000CF4  40 30 B 048                    STH    3,  72( 0,11)                    ROUTIX
000CF8  41 10 D 0EB                    LA     1, 232( 0,13)
000CFC  58 F0 D 234                    L     15, 564( 0,13)                    IUGMT
000D00  05 EF                          EALR  14,15
000D02  47 00 0 171                    BC     0, 369( 0, 0)
000D06  18 11                          SR     1, 1
000D08  58 F0 D 244                    L     15, 580( 0,13)                    C22RST
000D0C  05 EF                          EALR  14,15
000D0E  47 00 0 172                    BC     0, 370( 0, 0)
000D12  41 00 0 023                    LA     0,  35( 0, 0)                    23
000D16  40 00 B 000                    STH    0,   0( 0,11)                    FOSEL
000D1A  41 00 B 026                    LA     0,  38( 0,11)                    GMT
000D1E  50 00 D 0EC                    ST     0, 236( 0,13)
000D22  41 10 D 0EC                    LA     1, 236( 0,13)
000D26  58 F0 D 230                    L     15, 560( 0,13)                    SGMT
000D2A  05 EF                          EALR  14,15
000D2C  47 00 0 174                    BC     0, 372( 0, 0)
000D30  48 00 D 1A8                    LH     0, 424( 0,13)                    ITX
000D34  59 00 D 168                    C      0, 360( 0,13)                    3C
000D38  47 40 D 08A                    BC     4,3466( 0,13)                    646
000D3C  48 00 D 1A8          635       LH     0, 424( 0,13)                    ITX
000D40  59 00 D 174                    C      0, 372( 0,13)                    78
000D44  47 B0 D 052                    BC    11,3410( 0,13)                    640
000D48  41 00 0 000       100052       LA     0,   0( 0, 0)                    0
000D4C  40 00 9 016                    STH    0,  22( 0, 9)                    CM1F11
000D50  40 00 7 016                    STH    0,  22( 0, 7)                    ST1F11
000D54  40 A0 8 000                    STH   10,   0( 0, 8)                    ST2F00
000D58  41 00 0 000                    LA     0,   0( 0, 0)                    0
000D5C  40 00 8 00C                    STH    0,  12( 0, 8)                    ST2F06
000D60  40 A0 7 010                    STH   10,  16( 0, 7)                    ST1F08
000D64  40 A0 7 000                    STH   10,   0( 0, 7)                    ST1F00
000D68  40 A0 6 000                    STH   10,   0( 0, 6)                    STATE
000D6C  40 A0 D 1AA                    STH   10, 426( 0,13)                    AMFO
000D70  13 0A                          LCR    0,10
000D72  40 00 6 002                    STH    0,   2( 0, 6)                    ISMU
000D76  47 F0 D E84                    BC    15,3764( 0,13)                    S90
000D7A  48 00 D 1A8          640       LH     0, 424( 0,13)                    ITX
000D7E  59 00 D 180                    C      0, 384( 0,13)                    02
000D82  47 20 D D6E                    BC     2,3438( 0,13)                    645
000D86  41 00 0 002       100053       LA     0,   2( 0, 0)                    2
000D8A  40 00 D 1AA                    STH    0, 426( 0,13)                    AMFO
000D8E  40 A0 D 1AC                    STH   10, 428( 0,13)                    BMFO
000D92  47 F0 D C38                    BC    15,3128( 0,13)                    621
000D96  48 00 D 1A8          645       LH     0, 424( 0,13)                    ITX
000D9A  59 00 D 19C                    C      0, 412( 0,13)                    3FC
000D9E  47 20 D D8A                    BC     2,3466( 0,13)                    646
000DA2  41 00 0 003       100054       LA     0,   3( 0, 0)                    3
000DA6  40 00 D 1AA                    STH    0, 426( 0,13)                    AMFO
000DAA  40 A0 D 1AC                    STH   10, 428( 0,13)                    BMFO
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000DAE  47 F0 D C38           BC    15,3128( 0,13)          621
000DB2  41 00 0 000      646  LA    0,    0( 0, 0)            0
000DB6  40 00 D 1AA           STH   0, 426( 0,13)          AMFO
000DBA  40 00 6 01C           STH   0,   28( 0, 6)          MFO
000DBE  41 00 0 016           LA    0,   22( 0, 0)           16
000DC2  40 00 B 000           STH   0,    0( 0,11)         FOSEL
000DC6  47 F0 D C38           BC    15,3128( 0,13)          621
000DCA  48 00 9 012      650  LH    0,   18( 0, 9)         CM1F09
000DCE  12 00                 LTR   0, 0
000DD0  47 90 D EB4           BC    9,3764( 0,13)           590
000DD4  41 00 0 007   100055  LA    0,    7( 0, 0)            7
000DD8  40 00 6 000           STH   0,    0( 0, 6)         STATE
000DDC  58 F0 D 200           L     15, 512( 0,13)
000DE0  48 00 F 00A           LH    0,   10( 0,15)         TLHED
000DE4  40 00 6 008           STH   0,    8( 0, 6)         ACTHLD
000DE8  41 00 0 000           LA    0,    0( 0, 0)            0
000DEC  40 00 9 012           STH   0,   18( 0, 9)         CM1F09
000DF0  40 A0 7 012           STH   10,  18( 0, 7)         ST1F09
000DF4  40 A0 7 000           STH   10,   0( 0, 7)         ST1F00
000DF8  41 00 0 000           LA    0,    0( 0, 0)            0
000DFC  40 00 7 C14           STH   0,   20( 0, 7)         ST1F10
000E00  40 00 6 01E           STH   0,   30( 0, 6)          TIMEX
000E04  40 00 D 1AA           STH   0, 426( 0,13)          AMFO
000E08  47 F0 D C6E           BC    15,3182( 0,13)          628
000E0C  48 00 B 004      5707 LH    0,    4( 0,11)         STFLG
000E10  12 00                 LTR   0, 0
000E12  47 90 D EB4           BC    9,3764( 0,13)           590
000E16  41 00 0 008   100056  LA    0,    8( 0, 0)            8
000E1A  40 00 B 006           STH   0,    6( 0,11)         PMSGN
000E1E  40 00 6 000           STH   0,    0( 0, 6)         STATE
000E22  48 00 9 014      680  LH    0,   20( 0, 9)         CM1F10
000E26  12 00                 LTR   0, 0
000E28  47 90 D EB4           BC    9,3764( 0,13)           590
000E2C  41 00 0 025   100057  LA    0,   37( 0, 0)           25
000E30  40 00 B 000           STH   0,    0( 0,11)         FOSEL
000E34  41 00 0 000           LA    0,    0( 0, 0)            0
000E38  40 00 9 014           STH   0,   20( 0, 9)         CM1F10
000E3C  40 00 7 012           STH   0,   18( 0, 7)         ST1F09
000E40  40 A0 7 014           STH   10,  20( 0, 7)         ST1F10
000E44  40 A0 7 000           STH   10,   0( 0, 7)         ST1F00
000E48  41 00 0 000           LA    0,    0( 0, 0)            0
000E4C  40 00 6 004           STH   0,    4( 0, 6)          IPCF
000E50  41 00 0 00A           LA    0,   10( 0, 0)            A
000E54  40 00 6 000           STH   0,    0( 0, 6)         STATE
000E58  41 00 0 000           LA    0,    0( 0, 0)            0
000E5C  40 00 6 01E           STH   0,   30( 0, 6)          TIMEX
000E60  47 F0 D C6E           BC    15,3182( 0,13)          625
000E64  48 00 B 004      5710 LH    0,    4( 0,11)         STFLG
000E68  12 00                 LTR   0, 0
000E6A  47 90 D EB4           BC    9,3764( 0,13)           590
000E6E  41 00 C 000   100058  LA    0,    0( 0, 0)            0
000E72  40 00 7 014           STH   0,   20( 0, 7)         ST1F10
000E76  40 A0 7 000           STH   10,   0( 0, 7)         ST1F00
000E7A  41 00 0 00B           LA    0,   11( 0, 0)            B
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000E7E  40 00 6 000              STH   0,    0( 0, 6)          STATE
000E82  41 00 C 009              LA    0,    9( 0, 0)              9
000E86  40 00 B 006              STH   0,    6( 0,11)          PMSGN
000E8A  48 00 D 186      5711    LH    0, 438( 0,13)          NODEX
000E8E  40 00 B 038              STH   0,   56( 0,11)          MENIND
000E92  47 F0 D 9DA              BC    15,2522( 0,13)            508
000E96  48 00 B 004      5712    LH    0,    4( 0,11)          STFLG
000E9A  12 00                    LTR   0, 0
000E9C  47 90 D EB4              BC    9,3764( 0,13)             590
000EA0  40 A0 7 010      100059  STH   10,   16( 0, 7)          ST1F08
000EA4  41 00 0 000              LA    0,    0( 0, 0)              0
000EA8  40 00 8 00E              STH   0,   14( 0, 8)          ST2F07
000EAC  40 00 8 00C              STH   0,   12( 0, 8)          ST2F06
000EB0  40 A0 7 000              STH   10,    0( 0, 7)         ST1F00
000EB4  49 A0 7 008              CH    10,    8( 0, 7)         ST1F04
000EB8  47 60 D E9C              BC    6,3740( 0,13)          D  M  4-6
000EBC  41 00 0 016      100060  LA    0,   22( 0, 0)             16
000EC0  40 00 B 006              STH   0,    6( 0,11)          PMSGN
000EC4  40 A0 8 000      100061  STH   10,    0( 0, 8)         ST2F00
000EC8  13 0A                    LCR   0,10
000ECA  40 00 6 000              STH   0,    0( 0, 6)          STATE
000ECE  48 00 6 01C              LH    0,   28( 0, 6)            MFO
000ED2  12 00                    LTR   0, 0
000ED4  47 D0 D EB4              BC    13,3764( 0,13)            590
000ED8  40 A0 6 000      100062  STH   10,    0( 0, 6)          STATE
000EDC  48 00 7 000          990 LH    0,    0( 0, 7)         ST1F00
000EE0  59 00 D 0F8              C     0, 248( 0,13)              0
000EE4  41 30 0 001              LA    3,    1( 0, 0)
000EE8  47 80 D EC6              BC    8,3782( 0,13)
000EEC  1B 33                    SR    3, 3
000EEE  48 00 8 000              LH    0,    0( 0, 8)         ST2F00
000EF2  59 00 D 0F8              C     0, 248( 0,13)              0
000EF6  41 40 0 001              LA    4,    1( 0, 0)
000EFA  47 80 D ED8              BC    8,3800( 0,13)
000EFE  1B 44                    SR    4, 4
000F00  14 43                    NR    4, 3
000F02  48 0C B 006              LH    0,    6( 0,11)          PMSGN
000F06  59 00 D 0F8              C     0, 248( 0,13)              0
000F0A  41 30 0 001              LA    3,    1( 0, 0)
000F0E  47 80 D EEC              BC    8,3820( 0,13)
000F12  1B 33                    SR    3, 3
000F14  14 34                    NR    3, 4
000F16  1B FF                    SR    15,15
000F18  86 3F D EFC              BXH   3,3836(15,13)             591
000F1C  58 F0 D 1F4      100063  L     15, 500( 0,13)
000F20  40 A0 F 000              STH   10,    0( 0,15)          SINTI
000F24  47 F0 D F10          991 BC    15,3856( 0,13)           1010
000F28  58 20 D 100          980 L     2, 256( 0,13)              2
000F2C  4A 20 B 038              AH    2,   56( 0,11)          MENIND
000F30  40 20 B 038              STH   2,   56( 0,11)          MENIND
000F34  47 F0 D EB4              BC    15,3764( 0,13)            590
000F38  1B FF                1010 SR    15,15
000F3A  58 E0 D 000              L     14,    0( 0,13)
000F3E  07 FE                    BCR   15,14
```

```
ADDRESS OF EPILOGUE
                000F40  58 80 D 004          L      8,   4( 0,13)
                000F44  58 E0 8 00C          L     14,  12( 0, 8)
                000F48  58 10 8 018          L      1,  24( 0, 8)
                000F4C  18 D8                LR     13, 8
                000F4E  98 2C D 01C          LM     2,  28(12,13)
                000F52  92 FF D 00C          MVI    15,  12(15,13)
                000F56  07 FE                BCR    15,14
ADDRESS OF PROLOGUE
                000F58  47 F0 D 274          BC     15, 628( 0,13)
ADCON FOR PROLOGUE
                000020  00000F58             DC     XL4'00000F58'
ADCON FOR SAVE AREA
                000024  00000028             DC     XL4'00000028'
ADCON FOR EPILOGUE
                000028  00000F40             DC     XL4'00000F4C'
ADCONS FOR BRANCH TABLES
                000074  00000654             DC     XL4'00000654'
                000078  000002D2             DC     XL4'000002D2'
                00007C  00000654             DC     XL4'00000654'
                000080  00000668             DC     XL4'00000668'
                000084  0000C85E             DC     XL4'0000085E'
                000088  00000912             DC     XL4'00000912'
                00008C  00000A02             DC     XL4'00000A02'
                000090  00000B4C             DC     XL4'00000B4C'
                000094  00000E0C             DC     XL4'00000E0C'
                000098  00000E22             DC     XL4'00000E22'
                00009C  00000E22             DC     XL4'00000E22'
                0000A0  00000E64             DC     XL4'00000E64'
                0000A4  00000E8A             DC     XL4'00000E8A'
                0000A8  00000E96             DC     XL4'00000E96'
                0000AC  000003CE             DC     XL4'000003CE'
ADCONS FOR PARAMETER LISTS
                0000B0  80000120             DC     XL4'80000120'
                0000B4  80000000             DC     XL4'80000000'
                0000B8  000001D2             DC     XL4'000001D2'          AMFO
                0000C0  00000042             DC     XL4'00000042'          OFFSEQ
                0000C4  80000002             DC     XL4'80000002'          ISMO
                0000C8  8000002C             DC     XL4'8000002C'          MZOCFF
                0000D8  800001E2             DC     XL4'800001E2'          GMTFLG
                0000DC  8000001E             DC     XL4'8000001E'          TIMEX
                0000E4  000001DC             DC     XL4'000001DC'          TEMP
                0000E8  800001E0             DC     XL4'800001E0'          TEMPO
                0000EC  000001CE             DC     XL4'000001CE'          J
                0000F0  80000046             DC     XL4'80000046'          NTIME
                0000F8  000001DC             DC     XL4'000001DC'          TEMP
                0000FC  80000000             DC     XL4'80000000'          FOSEL
                000104  000001D2             DC     XL4'000001D2'          AMFO
                0001C8  00000042             DC     XL4'00000042'          OFFSEQ
                0001CC  800001D6             DC     XL4'800001D6'          ISUB
                000110  800001E8             DC     XL4'800001E8'          JGMT
                000118  000001E8             DC     XL4'000001E8'          JGMT
                00011C  800001D0             DC     XL4'800001DC'          ITX
TEMPORARIES AND PHASE 2C CONSTANTS
```

```
                000288  00000000            DC    XL4'00000000'
                0002EC  00000000            DC    XL4'00000000'
                000250  00000000            DC    XL4'00000000'
                000254  00000000            DC    XL4'00000000'
                000258  00000000            DC    XL4'00000000'
ADCONS FOR B BLOCK LABELS
```

NAME	TAG	TYPE	ADD.	NAME	TAG	TYPE	ADD.	NAME	TAG	TYPE	ADD.	NAME	TAG	TYPE	ADD.
I	SFA	I*2	0001CC	J	SFA	I*2	0001CE	GMT	SFA C	I*2	000020	ITX	SFA	I*2	0001E0
MFO	S C	I*2	00001C	RFA	C	I*2	N.R.	RFB	C	I*2	N.R.	RFC	C	I*2	N.R.
RFD	C	I*2	N.R.	RFE	C	I*2	N.R.	RFF	C	I*2	N.R.	ACAL	C	I*2	N.R.
AMFO	SFA	I*2	0001D2	BMFO	S	I*2	0001D4	CBLK	C	I*2	N.R.	CGMT	SF XF	I*2	000000
FOGO	S C	I*2	000006	IAND	F XF	I*2	000000	IPCF	S C	I*2	000004	ISMO	SFA C	I*2	000002
ISUB	SFA	I*2	0001D6	JGMT	SFA	I*2	0001E8	MBLK	C	I*2	N.R.	NHVC	SF	I*2	0001D8
NODE	SF	I*2	0001DA	SGMT	SF XF	I*2	000000	TEMP	SFA	I*2	0001DC	THVC	SF	I*4	0001FC
ZCAL	C	R*4	N.R.	BOUT1	C	I*2	N.R.	BOUT2	C	I*2	N.R.	BOUT3	C	I*2	N.R.
CXREG	F C	I*2	00000C	FCNUM	F C	I*2	000018	FOSEL	SFA C	I*2	000000	IUGMT	SF XF	I*2	000000
MBITH	C	I*2	N.R.	MBITL	C	I*2	N.R.	MERGE	S C	I*2	000020	NODEX	SF	I*2	0001DE
NTIME	SFA C	I*2	000046	CFLOW	C	I*2	N.R.	ONSEQ	C	I*2	N.R.	PASSX	SF XF	I*2	000000
PBLKI	C	I*2	N.R.	PMSGN	SF C	I*2	000006	PPCFI	C	I*2	N.R.	PPCFN	C	I*2	N.R.
PPCFV	C	I*2	N.R.	QBLKI	C	I*2	N.R.	QPCFI	C	I*2	N.R.	QPCFN	C	I*2	N.R.
QPCFV	C	I*2	N.R.	RTDRV	SF XF	I*2	000000	SINT1	S C	I*2	000000	SINT2	C	I*2	N.R.
SINT3	C	I*2	N.R.	STATE	SF C	I*2	000000	STFLG	S C	I*2	000004	TEMPO	SFA	I*2	0001E0
TIMEX	SFA C	I*2	00001E	TLHED	SF C	I*2	000000	ACTHLD	S C	I*2	000008	ACTOFF	C	I*2	N.R.
ACTRST	C	I*2	N.R.	CMWRD1	S CE	I*2	000000	CMWRD2	S CE	I*2	000000	CM1F00	CE	I*2	000000
CM1F01	C	I*2	N.R.	CM1F02	C	I*2	N.R.	CM1F03	C	I*2	N.R.	CM1F04	S C	I*2	000008
CM1F05	C	I*2	N.R.	CM1F06	C	I*2	N.R.	CM1F07	C	I*2	N.R.	CM1F08	C	I*2	N.R.
CM1F09	S C	I*2	000012	CM1F10	S C	I*2	000014	CM1F11	S C	I*2	000016	CM1F12	S C	I*2	000018
CM1F13	S C	I*2	00001A	CM1F14	S C	I*2	00001C	CM1F15	C	I*2	N.R.	CM2F00	CE	I*2	000000
CM2F01	S C	I*2	000002	CM2F02	S C	I*2	000004	CM2F03	C	I*2	N.R.	CM2F04	C	I*2	N.R.
CM2F05	C	I*2	N.R.	CM2F06	C	I*2	N.R.	CM2F07	C	I*2	N.R.	CM2F08	C	I*2	N.R.
CM2F09	C	I*2	N.R.	CM2F10	C	I*2	N.R.	CM2F11	C	I*2	N.R.	CM2F12	C	I*2	N.R.
CM2F13	C	I*2	N.R.	CM2F14	C	I*2	N.R.	CM2F15	C	I*2	N.R.	C22DWN	SF XF	I*2	000000
C22RST	SF XF	I*2	000000	DEPRTC	F XF	I*2	000000	LOCALC	SF XF	I*2	000000	ENABLE	SF XF	I*2	000000
EXTRCT	SF XF	I*2	000000	FCMTAB	SFA C	I*2	000000	FOSTRT	SFA C	I*2	00003A	GMTFLG	SFA	I*2	0001E2
INHIBT	SF XF	I*2	000000	ISTATE	SF	I*2	0001E4	MENIND	SFA C	I*2	000038	MESCOM	C	I*2	N.R.
MESFLG	C	I*2	N.R.	MCOSEQ	SF XF	I*2	000000	MSGBLA	C	I*2	N.R.	MSGBL9	C	I*2	N.R.
MZFFFF	C	I*2	N.R.	MZFFF0	C	I*2	N.R.	MZFF00	C	I*2	N.R.	MZF000	C	I*2	N.R.
MZOFFF	C	I*2	N.R.	MZOFF0	C	I*2	N.R.	MZOF00	C	I*2	N.R.	MZ00FF	FA C	I*2	0000ZC
MZ00F0	C	I*2	N.R.	MZ000F	C	I*2	N.R.	MZ0000	C	I*2	N.R.	OFFSEQ	SFA C	I*2	0000A2
PCFDFR	SF C	I*2	000000	ROUTIX	SFA C	I*2	000048	SELSTD	SFA	I*2	0001EE	SEPACM		I*2	0001E0
SMOSEL	S C	I*2	000002	STWRD1	S CE	I*2	000000	STWRD2	S CE	I*2	000000	ST1F00	S CE	I*2	000000
ST1F01	C	I*2	N.R.	ST1F02	C	I*2	N.R.	ST1F03	C	I*2	N.R.	ST1F04	S C	I*2	000006
ST1F05	C	I*2	N.R.	ST1F06	C	I*2	N.R.	ST1F07	C	I*2	N.R.	ST1F08	S C	I*2	000010
ST1F09	S C	I*2	000012	ST1F10	S C	I*2	000014	ST1F11	S C	I*2	000016	ST1F12	S C	I*2	000018
ST1F13	S C	I*2	00001A	ST1F14	S C	I*2	00001C	ST1F15	C	I*2	N.R.	ST2F00	S CE	I*2	000000
ST2F01	S C	I*2	000002	ST2F02	S C	I*2	000004	ST2F03	C	I*2	N.R.	ST2F04	C	I*2	N.R.
ST2F05	S C	I*2	00000A	ST2F06	S C	I*2	00000C	ST2F07	S C	I*2	00000E	ST2F08	C	I*2	N.R.
ST2F09	C	I*2	N.R.	ST2F10	C	I*2	N.R.	ST2F11	C	I*2	N.R.	ST2F12	C	I*2	N.R.
ST2F13	C	I*2	N.R.	ST2F14	C	I*2	N.R.	ST2F15	S C	I*2	00001E				

***** COMMON INFORMATION *****

NAME OF COMMON BLOCK *DEPCOM* SIZE OF BLOCK 000078 HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
STATE	I*2	000000	ISMO	I*2	000002	IPCF	I*2	000004	FOGO	I*2	000006
ACTHLD	I*2	000008	ACTOFF	I*2	N.R.	ACTRST	I*2	N.R.	RFA	I*2	N.R.
RFB	I*2	N.R.	RFC	I*2	N.R.	RFD	I*2	N.R.	RFE	I*2	N.R.

RFF	I*2	N.R.	MBLK	I*2	N.R.	MFO	I*2	00001C	TIMEX	I*2	00001E
MERGE	I*2	000020	MZ0000	I*2	N.R.	MZ000F	I*2	N.R.	MZ00F0	I*2	N.R.
MZOF00	I*2	N.R.	MZF000	I*2	N.R.	MZ00FF	I*2	00002C	MZOFF0	I*2	N.R.
MZFF00	I*2	N.R.	MZOFFF	I*2	N.R.	MZFFF0	I*2	N.R.	MZFFFF	I*2	N.R.
MBITL	I*2	N.R.	MBITH	I*2	N.R.						

NAME OF COMMON BLOCK *FCMCOM* SIZE OF BLOCK 0001C2 HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
FOMTAB	I*2	000000									

NAME OF COMMON BLOCK *PCFBUF* SIZE OF BLOCK 000134 HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
PCFBFR	I*2	000000	ZCAL	R*4	N.R.	ACAL	I*2	N.R.			

NAME OF COMMON BLOCK *OUTCOM* SIZE OF BLOCK 0000C0 HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
SINT1	I*2	000000	SINT2	I*2	N.R.	SINT3	I*2	N.R.	BOUT1	I*2	N.R.
BOUT2	I*2	N.R.	BOUT3	I*2	N.R.						

NAME OF COMMON BLOCK * FOFLG* SIZE OF BLOCK 00005C HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
FOSEL	I*2	000000	SMOSEL	I*2	000002	STFLG	I*2	000004	PMSGN	I*2	000008
PBLKI	I*2	N.R.	PPCFI	I*2	N.R.	PPCFV	I*2	N.R.	PPCFN	I*2	N.R.
QBLKI	I*2	N.R.	QPCFI	I*2	N.R.	QPCFV	I*2	N.R.	QPCFN	I*2	N.R.
FONUM	I*2	000018	GMT	I*2	000020	MENIND	I*2	000038	FOSTRT	I*2	00003A
ONSEQ	I*2	N.R.	OFFSEQ	I*2	000042	OFLOW	I*2	N.R.	NTIME	I*2	000046
ROUTIX	I*2	000048									

NAME OF COMMON BLOCK *MSGCOM* SIZE OF BLOCK 0000C2 HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
MESFLG	I*2	N.R.	MESCOM	I*2	N.R.	MSGBL9	I*2	N.R.	MSGBLA	I*2	N.R.

NAME OF COMMON BLOCK * TLBUF* SIZE OF BLOCK 002EEE HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
TLHED	I*2	000000	CXREG	I*2	00000C	CBLK	I*2	N.R.			

NAME OF COMMON BLOCK *STATW1* SIZE OF BLOCK 000020 HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
ST1F00	I*2	000000	ST1F01	I*2	N.R.	ST1F02	I*2	N.R.	ST1F03	I*2	N.R.
ST1F04	I*2	000008	ST1F05	I*2	N.R.	ST1F06	I*2	N.R.	ST1F07	I*2	N.R.

ST1F08	I*2	000010	ST1F09	I*2	000012	ST1F10	I*2	000014	ST1F11	I*2	000016
ST1F12	I*2	000018	ST1F13	I*2	00001A	ST1F14	I*2	00001C	ST1F15	I*2	N.R.

EQUIVALENCED VARIABLES WITHIN THIS COMMON BLOCK

VARIABLE	OFFSET	VARIABLE	OFFSET	VARIABLE	OFFSET	VARIABLE	OFFSET
STWRD1	C00000						

NAME OF COMMON BLOCK *STATW2* SIZE OF BLOCK 000020 HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
ST2F00	I*2	000000	ST2F01	I*2	000002	ST2F02	I*2	000004	ST2F03	I*2	N.R.
ST2F04	I*2	N.R.	ST2F05	I*2	00000A	ST2F06	I*2	00000C	ST2F07	I*2	00000E
ST2F08	I*2	N.R.	ST2F09	I*2	N.R.	ST2F10	I*2	N.R.	ST2F11	I*2	N.R.
ST2F12	I*2	N.R.	ST2F13	I*2	N.R.	ST2F14	I*2	N.R.	ST2F15	I*2	00001E

EQUIVALENCED VARIABLES WITHIN THIS COMMON BLOCK

VARIABLE	OFFSET	VARIABLE	OFFSET	VARIABLE	OFFSET	VARIABLE	OFFSET
STWRD2	C00000						

NAME OF COMMON BLOCK *UCMDW1* SIZE OF BLOCK 000020 HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
CM1F00	I*2	000000	CM1F01	I*2	N.R.	CM1F02	I*2	N.R.	CM1F03	I*2	N.R.
CM1F04	I*2	000008	CM1F05	I*2	N.R.	CM1F06	I*2	N.R.	CM1F07	I*2	N.R.
CM1F08	I*2	N.R.	CM1F09	I*2	000012	CM1F10	I*2	000014	CM1F11	I*2	000016
CM1F12	I*2	000018	CM1F13	I*2	00001A	CM1F14	I*2	00001C	CM1F15	I*2	N.R.

EQUIVALENCED VARIABLES WITHIN THIS COMMON BLOCK

VARIABLE	OFFSET	VARIABLE	OFFSET	VARIABLE	OFFSET	VARIABLE	OFFSET
CMWRD1	000000						

NAME OF COMMON BLOCK *UCMDW2* SIZE OF BLOCK 000020 HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
CM2F00	I*2	000000	CM2F01	I*2	000002	CM2F02	I*2	000004	CM2F03	I*2	N.R.
CM2F04	I*2	N.R.	CM2F05	I*2	N.R.	CM2F06	I*2	N.R.	CM2F07	I*2	N.R.
CM2F08	I*2	N.R.	CM2F09	I*2	N.R.	CM2F10	I*2	N.R.	CM2F11	I*2	N.R.
CM2F12	I*2	N.R.	CM2F13	I*2	N.R.	CM2F14	I*2	N.R.	CM2F15	I*2	N.R.

EQUIVALENCED VARIABLES WITHIN THIS COMMON BLOCK

VARIABLE	OFFSET	VARIABLE	OFFSET	VARIABLE	OFFSET	VARIABLE	OFFSET
CMWRD2	000000						

LABEL	ADDR	LABEL	ADDR	LABEL	ADDR	LABEL	ADDR
5699	0002C6	5700	0002D2	40	000326	41	000364
5713	0003CE	25	0003FA	30	0003FA NR	1004	000424
1005	000476	1006	00048E	1008	0004CC	1009	00052C
31	000538	34	000556	35	000580	37	0005D2
38	0005F4	39	00061C NR	42	00062C	5701	000654
5702	000668	202	0006AC NR	203	0006B0	3204	0006E4
3205	00070E	205	000732	206	00076C	220	000786 NR
3221	0007A8	3222	0007E4	5703	00085E	302	00089E
304	0008AA	305	0008BA	303	0008CE	5704	000912
403	000924	410	000954	411	000966	420	000982
421	0009EA	5705	000A02	508	000A02	509	000A62
512	000A82	510	000A86	501	000AFA	5706	000B4C
608	000CCA	610	000C1A	624	000C32	620	000C3E
621	000C60	625	000C96	628	000C96	626	000CDA
632	000CEC	635	000D3C	640	000D7A	645	000D96
646	000DB2	650	000DCA	5707	000E0C	5708	000E22
5709	000E22	680	000E22 NR	5710	000E64	5711	000E8A
5712	000E56	990	000EDC	991	000F24	980	000F28
1010	000F38						

OPTIONS IN EFFECT NAME= MAIN,OPT=02,LINECNT=56,SIZE=0000K,

OPTIONS IN EFFECT SOURCE,EBCDIC,LIST,NODECK,LOAD,MAP,NOEDIT,ID,NOXREF

STATISTICS SOURCE STATEMENTS = 469 ,PROGRAM SIZE = 3932

STATISTICS NO DIAGNOSTICS GENERATED

****** END OF COMPILATION ****** 55K BYTES OF CORE NOT USED

```
        COMPILER OPTIONS - NAME=  MAIN,OPT=02,LINECNT=56,SIZE=0000K,
                           SOURCE,EBCDIC,LIST,NODECK,LOAD,MAP,NOEDIT,ID,NOXREF
ISN 0002        SUBROUTINE PASSX                                                VER1SN
               C*************************************************              VER1SN
               C PASSX GENERATES THE COMMAND BUFFERS FOR THE                    VER1SN
               C     FO.                                                        VER1SN
               C*************************************************              VER1SN
               C*************************************************              VER1SN
               C                                                                VER1SN
               C** TYPE STATEMENTS -- DECLARE (A-T) INTEGER (16-BITS)            VER1SN
               C**                 -- DECLARE (U-W) INTEGER (32-BITS)           VER1SN
               C**                 -- DECLARE (X-Z) REAL    (32-BITS)           VER1SN
ISN 0003        IMPLICIT INTEGER*2 (A-T), INTEGER*4 (U-W), REAL*4 (X-Z)          VER1SN
ISN 0004        COMMON /DEPCOM/ STATE,ISMO,IPCF,FOGO,ACTHLD,ACTOFF,ACTRST,       VER1SN
               .                RFA,RFB,RFC,RFD,RFE,RFF,MBLK,MFC,TIMEX,MERGE,   VER1SN
               .                MZ0000,MZ000F,MZ00F0,MZF000,MZ00FF,MZFFF0       VER1SN
               .               ,MZFF00,MZFFFF,MZFFF0,MZFFFF,MBITL(16),MBITH(16) VER1SN
ISN 0005        COMMON /FOFLG/ FOSEL,SMOSEL,STFLG,FMSGN,PBLKI,PPCFI,PPCFV,       VER1SN
               .          PPCFN,QBLKI,QPCFI,QPCFV,QPCFN,FONUM(4),GMT(3,4),      VER1SN
               .          MENIND,FOSTRT(3),ONSEQ,OFFSEQ,OFLOW,ATIME,ROUTIX(10)  VER1SN
ISN 0006        COMMON /MSGCOM/ MESFLG,MESCOM(32),MSGBL9(32),MSGBLA(32)          VER1SN
ISN 0007        COMMON /CMDCOM/ CCMTAB(3,225)                                    VER1SN
ISN 0008        COMMON /FOCOM/  FOTAB(2,800)                                     VER1SN
ISN 0009        COMMON /HEXCOM/ HEXTAB(5280)                                     VER1SN
ISN 0010        COMMON /FOCSCT/ FOIND(150)                                       VER1SN
ISN 0011        COMMON /HXCSCT/ HEXIND(150)                                      VER1SN
ISN 0012        COMMON /PCFBUF/ PCFBFR(80),ZCAL(32),ACAL(10)                     VER1SN
ISN 0013        COMMON /OUTCOM/ SINT1,SINT2,SINT3,BOUT1(31),BOUT2(31),           VER1SN
               +                BOUT3(31)                                       VER1SN
ISN 0014        COMMON /TLBUF/  TLHED(6),CXREG(6,1000),CBLK                      VER1SN
ISN 0015        COMMON /COEFF/ XAH,XBH,XAIBI,XBIBI,XCIBI,XDIBI,XAIBO,XBIBO,      VER1SN
               +          XCIBO,XDIBO,XAVB,XBVE,XAF,XAFO,XBF,XAX,XAY,XCX,XCY    VER1SN
ISN 0016        REAL UANG1,UANG2,UTEMP                                           VER1SN
ISN 0017        REAL FLT16                                                       VER1SN
ISN 0018        INTEGER*2  Z7FFF                                                 VER1SN
ISN 0019        INTEGER*2 CWORK(16)                                              VER1SN
ISN 0020        INTEGER*2 SUBX(4),SUBTY(4)                                       VER1SN
ISN 0021        INTEGER*4 RETIM(4)                                               VER1SN
ISN 0022        INTEGER*2 IANG1(2,2)                                             VER1SN
ISN 0023        EQUIVALENCE (IANG1(1,1),UANG1)                                   VER1SN
ISN 0024        EQUIVALENCE (IANG1(1,2),UANG2)                                   VER1SN
ISN 0025        DATA Z7FFF/Z7FFF/                                                VER1SN
               C*************************************************              VER1SN
ISN 0026       1111 CONTINUE                                                     VER1SN
ISN 0027        IF(MERGE.EQ.1) GO TO 1113                                        VER1SN
ISN 0029        CALL ZAP(TLHED(1),6006)                                          VER1SN
ISN 0030        RUNIX=1                                                          VER1SN
ISN 0031        TLHED(1)=2                                                       VER1SN
ISN 0032        TLHED(2)=1                                                       VER1SN
ISN 0033        CXREG(2,1)=1                                                     VER1SN
ISN 0034        CXREG(5,1)=2                                                     VER1SN
ISN 0035        CXREG(1,2)=32767                                                 VER1SN
ISN 0036        CXREG(2,2)=16                                                    VER1SN
ISN 0037        CXREG(6,2)=1                                                     VER1SN
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ISN 0038      1113 CONTINUE                                                  VERISW
                C     SET AZ,CO-EL FOR MTVEBA 2                              VERISW
ISN 0039            CALL MOVE (MSGBLA(11),IANG1(1,1),4)                      VERISW
ISN 0040            UTEMP=(270.0-UANG1)*255.0/180.0                          VERISW
ISN 0041            PCFBFR(77)=INT16(UTEMP)                                  VERISW
ISN 0042            UTEMP=(270.0-UANG2)*255.0/180.0                          VERISW
ISN 0043            PCFBFR(78)=INT16(UTEMP)                                  VERISW
                C     GROUND TEST FOR OVERRIDE OF PCF                        VERISW
ISN 0044            IF(PCFBFR(25).EQ.0) GO TO 1999                           VERISW
ISN 0046            PCFBFR(32)=0                                             VERISW
ISN 0047            PCFBFR(33)=0                                             VERISW
ISN 0048            PCFBFR(35)=0                                             VERISW
ISN 0049            IF (FONUM(1).EQ.1) PCFBFR(35)=1                          VERISW
ISN 0051            PCFBFR(58)=1                                             VERISW
ISN 0052            PCFBFR(60)=1                                             VERISW
ISN 0053            PCFBFR(70)=1                                             VERISW
ISN 0054            PCFBFR(71)=0                                             VERISW
ISN 0055            PCFBFR(72)=0                                             VERISW
ISN 0056            IF(PCFBFR(25).EQ.2) PCFBFR(72)=1                         VERISW
ISN 0058      1999 CONTINUE                                                  VERISW
                C     RESET HEXTAB SUBROUTINE CALLS                          VERISW
ISN 0059            DO 2017 SUBIQ=1,4                                        VERISW
ISN 0060            SUBX(SUBIQ) = 0                                          VERISW
ISN 0061            SUBTY(SUBIQ)= 0                                          VERISW
ISN 0062      2017  CONTINUE                                                 VERISW
ISN 0063            DO 2018 I=1,10                                           VERISW
ISN 0064      2018  ACAL(I)=0                                                VERISW
ISN 0065            PURE = 0                                                 VERISW
                C                                                            VERISW
ISN 0066            ZCAL(27)=3.0                                             VERISW
ISN 0067            ACAL(4)=2                                                VERISW
ISN 0068            IF((FOSEL.NE.3).AND.(FOSEL.NE.9)) GO TO 2016             VERISW
ISN 0070            ZCAL(27)=2.0                                             VERISW
ISN 0071            ACAL(4)=1                                                VERISW
ISN 0072      2016 CONTINUE                                                  VERISW
ISN 0073            XAF=FLT16(PCFBFR(46))*2.0/255.0                          VERISW
ISN 0074            XBF=FLT16(PCFBFR(47))*4.0/255.0-2.0                      VERISW
ISN 0075            UTX=-999999                                              VERISW
ISN 0076            UBIX=0                                                   VERISW
ISN 0077            SUBIQ=0                                                  VERISW
ISN 0078            MPDSET=0                                                 VERISW
ISN 0079            OFLOW=0                                                  VERISW
ISN 0080            CALL MOVE (MSGBLA(11),ZCAL(16),4)                        VERISW
                C** NOW GENERATE                                             VERISW
                C** FETCH SELECTED 'FO' INDEX                                VERISW
ISN 0081            ORUNIX=1                                                 VERISW
ISN 0082            IND = FOIND(FOSEL+1)                                     VERISW
                C** PROCESS NEXT 'FOTAB' ENTRY                               VERISW
ISN 0083      600   CONTINUE                                                 VERISW
ISN 0084            IND = IND + 2                                            VERISW
                C** PROCESS TIME AND SUBROUTINE DATA                         VERISW
ISN 0085         36 CONTINUE                                                 VERISW
ISN 0086            CALL EXTRCT(FOTAB(I,IND),FCTAB1,FCTAB2)                  VERISW
ISN 0087            IF(FOTAB1.EQ.RFA) GO TO 998                              VERISW
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ISN 0089            NTIME=FOTAB(1,IND)*10                                   VER15M
ISN 0090            IF(MERGE.EQ.1) NTIME=NTIME+TIMEX                        VER15M
ISN 0092            IF(NTIME.EQ.0) RUNIX=1                                  VER15M
ISN 0094            ISUB=IAND(FOTAB(2,IND),MZOOFF)+1                        VER15M
                C     IF ISUB = 256 THEN SUBROUTINE INDEX IN ROUTIX         VER15M
ISN 0095            IF(ISUB.GE.248) ISUB=ROUTIX(257-ISUB)                   VER15M
ISN 0097            IF(ISUB.LE.0) GO TO 7714                                VER15M
                C** PROCESS THE 'HEXTAB' COMMANDS            **             VER15M
                C*********************************************             VER15M
                C** FETCH INDEX 'IHIND' FOR HEXTAB ARRAY COMMAND           VER15M
ISN 0099          237 CONTINUE                                              VER15M
ISN 0100            IHIND=HEXIND(ISUB)                                      VER15M
ISN 0101            IF(IHIND.EQ.0) GO TO 999                                VER15M
                C     SET FOR IF PROCESSING TRUTH = 0                       VER15M
ISN 0103            TRUTH=0                                                 VER15M
                C** SET ISFLG TO ZERO -- INDICATES TYPE OF PROCESSING       VER15M
ISN 0104          37 ISFLG = 0                                              VER15M
                C** PROCESS THE 'HEXTAB' ARRAY                              VER15M
                C** CHECK FOR 'FAXX' -- INDICATES 'START' OF SUBROUTINE     VER15M
ISN 0105            1 CONTINUE                                              VER15M
ISN 0106            CALL EXTRCT(HEXTAB(IHIND),HEXTB1,HEXTB2)                VER15M
ISN 0107            GOTOIT=1                                                VER15M
ISN 0108            IF(HEXTB1.LT.242) GO TO 11                              VER15M
ISN 0110            GOTOIT=HEXTB1-239                                       VER15M
ISN 0111           11 CONTINUE                                              VER15M
ISN 0112            IF(GOTOIT.EQ.16) GO TO 111                              VER15M
ISN 0114            IF(TRUTH.LT.0) GO TO 880                                VER15M
ISN 0116          111 CONTINUE                                              VER15M
                C////////////////////////////////////////////////////////   VER15M
ISN 0117            GO TO (7701,7701,7702,7703,7704,880,880,7707,7708,7709,  VER15M
                .        7710,7711,7712,7713,7714,7715),GOTOIT              VER15M
                C+++++++++++++++                                            VER15M
ISN 0118         7710 CONTINUE                                              VER15M
ISN 0119            ISFLG = 1                                               VER15M
                C** CHECK FOR 'FAFE' -- INDICATES 'END' OF SUBROUTINE       VER15M
                C** SET ISFLG=2 -- INDICATES PROCESS NEXT FOTAB ENTRY       VER15M
ISN 0120            IF(HEXTB2.EQ.RFE) ISFLG = 2                             VER15M
ISN 0122            GO TO 888                                               VER15M
                C++++++++++++++++++                                         VER15M
ISN 0123         7702 CONTINUE                                              VER15M
ISN 0124            IHIND=HEXTAB(IHIND+1)                                   VER15M
ISN 0125            GO TO 37                                                VER15M
                C++++++++++++++++++                                         VER15M
ISN 0126         7711 CONTINUE                                              VER15M
                C     'FB00' -- BLANK ENTRY                                 VER15M
ISN 0127            GO TO 880                                               VER15M
                C     CHECK FOR END OF DATA                                 VER15M
                C++++++++++++++++++++                                       VER15M
ISN 0128         7714 CONTINUE                                              VER15M
ISN 0129            ISFLG=2                                                 VER15M
ISN 0130            GO TO 888                                               VER15M
                C++++++++++++++++++++                                       VER15M
ISN 0131         7715 CONTINUE                                              VER15M
ISN 0132            IF(HEXTB2.NE.RFE) GO TO 533                             VER15M
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                C       PUSH TRUTH                                              VERISW
ISN 0134                M1=1                                                    VERISW
ISN 0135                TRUTH=ISHIF(TRUTH,M1)                                   VERISW
ISN 0136                GO TO 880                                               VERISW
ISN 0137              533 CONTINUE                                              VERISW
                C       TEST FOR IF STATEMENT 'FF'                              VERISW
ISN 0138                IF(TRUTH.LT.0) GO TO 880                                VERISW
ISN 0140                CALL DOIF (TRUTH,HEXTB2)                                VERISW
ISN 0141                GO TO 880                                               VERISW
                C++++++++++++++++++++++++                                       VERISW
ISN 0142              7712 CONTINUE                                             VERISW
ISN 0143                CALL DOCALC(HEXTB2,NTIME)                               VERISW
ISN 0144                GO TO 880                                               VERISW
                C** CHECK FOR 'FDXX' == INDICATES 'DELAY' COMMAND               VERISW
ISN 0145              7704 CONTINUE                                             VERISW
ISN 0146                IHIND=IHIND+1                                           VERISW
ISN 0147                HEXTB2=HEXTAB(IHIND)                                    VERISW
ISN 0148                GO TO 7713                                              VERISW
                C++++++++++++++++++++++++                                       VERISW
ISN 0149              7703 CONTINUE                                             VERISW
                C       'F300'   DELAY ACAL(X) TIME                             VERISW
ISN 0150                HEXTB2=ACAL(HEXTB2)                                     VERISW
ISN 0151              7713 CONTINUE                                             VERISW
ISN 0152                NTIME = NTIME + HEXTB2                                  VERISW
ISN 0153                GO TO 880                                               VERISW
                C       'F900' --- SUBROUTINE CALL    PARALLEL                  VERISW
                C       'F800' --- SUBROUTINE CALL    SERIES                    VERISW
                C++++++++++++++++++++++++                                       VERISW
ISN 0154              7709 CONTINUE                                             VERISW
ISN 0155              7708 CONTINUE                                             VERISW
ISN 0156                SUBIQ=SUBIQ+1                                           VERISW
ISN 0157                SUBTY(SUBIQ)=HEXTB1                                     VERISW
ISN 0158                SUBX(SUBIQ)=IHIND                                       VERISW
ISN 0159                RETIM(SUBIQ)=NTIME                                      VERISW
ISN 0160                IHIND=HEXIND(HEXTB2+1)                                  VERISW
                C       LOOK FOR MPDSET SUBROUTINE                              VERISW
ISN 0161                IF(HEXTB2.NE.11) GO TO 880                              VERISW
ISN 0163                IF(MPDSET.EQ.0) GO TO 8005                              VERISW
ISN 0165                IF(ACAL(1).EQ.0) GO TO 880                              VERISW
ISN 0167                 ACAL(1)=3-ACAL(1)                                      VERISW
ISN 0168                IF(ACAL(1).EQ.2) GO TO 880                              VERISW
ISN 0170              850 ISFLG=2                                               VERISW
ISN 0171                GO TO 888                                               VERISW
                C        TEST FOR ONCE TIME CALCULATIONS                        VERISW
                C        PERFORM CALCULATIONS FOR MPDSET                        VERISW
ISN 0172               8005 CONTINUE                                            VERISW
                C        NOCM=PF1+PF2+PF3+PF4                                   VERISW
ISN 0173                 K=PCFBFR(52)+PCFBFR(53)+PCFBFR(54)+PCFBFR(55)          VERISW
ISN 0174                 ZCAL(13)=FLT16(K)                                      VERISW
ISN 0175                 Z=FLT16(PCFBFR(58))                                    VERISW
                C          T1=2/NOCHG                                           VERISW
ISN 0176                 XXT1=20.0/(FLT16(PCFBFR(59)))                          VERISW
                C        PT=10*(NOCM/4)*(2/NOCM)*(1+4*PFNTS)                    VERISW
ISN 0177                 ZCAL(14)=10.0*(ZCAL(13)/4.0)*XXT1*(1.0+4.0*Z)          VERISW
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IF(STATE.EQ.11.AND.NETWS..LE.15) GO TO 850

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OF POOR QUALITY

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                C       T=PT*PENCW/480.C                                        VERISW
ISN 0178                ZCAL(15)=ZCAL(14)*ZCAL(25)/480.0                        VERISW
                C       TC = 30-(T1+2*T1+2.3)                                   VERISW
ISN 0179                XXTC=300-ZCAL(15)-2.0*XXT1-23.0                         VERISW
                C       DETERMINE DELAY TIME                                    VERISW
ISN 0180                ACAL(1)=0                                               VERISW
ISN 0181                K=150                                                   VERISW
ISN 0182                IF(XXTC.GE.3) GO TO 8010                                VERISW
                C       INHIBIT MPD                                             VERISW
ISN 0184                PMSGN=13                                                VERISW
ISN 0185                GO TO 8020                                              VERISW
ISN 0186         8010 CONTINUE                                                  VERISW
ISN 0187                XXTD=XXTC-150                                           VERISW
ISN 0188                IF(XXTC.GE.153) GO TO 8020                              VERISW
                C       SET FOR 30 SEC FIRE OF MPD                              VERISW
ISN 0190                ACAL(1)=2                                               VERISW
ISN 0191                K=300                                                   VERISW
ISN 0192                XXTD=XXTC                                               VERISW
ISN 0193                PMSGN=14                                                VERISW
ISN 0194         8020 CONTINUE                                                  VERISW
ISN 0195                IF(PMSGN.EQ.0) GO TO 8030                               VERISW
ISN 0197                PBLKI=0                                                 VERISW
ISN 0198                CALL PHEADR(BOUTL(1))                                   VERISW
ISN 0199                CALL MSOUTL(BOUTL(1))                                   VERISW
ISN 0200                IF(PMSGN.EQ.13) GO TO 8037                              VERISW
ISN 0202         8021   PMSGN=0                                                 VERISW
ISN 0203         8030 CONTINUE                                                  VERISW
                C       COMPUTE MPDSET DELAY                                    VERISW
ISN 0204                ACAL(7)=INT16(ZCAL(15))                                 VERISW
ISN 0205                ACAL(8)=INT16(XXTD)                                     VERISW
ISN 0206                ACAL(9)=INT16(XXT1)                                     VERISW
ISN 0207                ACAL(10)=K-ACAL(7)-ACAL(8)-2*ACAL(9)-23                 VERISW
ISN 0208                MPDSET=1                                                VERISW
ISN 0209                GO TO 880                                               VERISW
ISN 0210         8037 CONTINUE                                                  VERISW
ISN 0211                PMSGN=0                                                 VERISW
ISN 0212                FOSEL=-1                                                VERISW
ISN 0213                GO TO 999                                               VERISW
                C       TEST FOR PARAMETER SETTING                              VERISW
                C       'F7XX'  PARAMETER SETS                                  VERISW
                C+++++++++++++++++++++++                                        VERISW
ISN 0214         7707 CONTINUE                                                  VERISW
ISN 0215                IHIND=IHIND+1                                           VERISW
ISN 0216                LWORK1=HEXTAB(IHIND)                                    VERISW
ISN 0217                IF(LWORK1.GE.0) GO TO 171                               VERISW
ISN 0219                IF(HEXTB2.EQ.9) GO TO 171                               VERISW
ISN 0221                LWORK1=IAND(LWORK1,Z7FFF)                               VERISW
ISN 0222                LWORK1=PCFBFR(LWORK1)                                   VERISW
ISN 0223         171 CONTINUE                                                   VERISW
ISN 0224                XTEMP=FLT16(LWORK1)                                     VERISW
ISN 0225                GO TO (8801,8802,8803,8804,8805,8806,8807,8808,         VERISW
                       +  8809,8810,8811,8812,8813,8814,8815,8816),HEXTB2       VERISW
                C       PARAMETER SETTINGS NEED TO BE PERFORMED                 VERISW
ISN 0226         8801 CONTINUE                                                  VERISW
```

ZT=ZCAL(14)

IF(PCFBFR(5).NE.0) ZT=10.0

IF(PCFBFR(25).NE.0) ZCAL(15)=10.0

IF(PMSGN.EQ.1) GO TO 8021

MASM=1

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                C       SET FAVP                                                VERISW
ISN 0227                ZCAL(27)=XTEMP                                          VERISW
ISN 0228                IF(PCFBFR(50).EQ.1) ZCAL(27)=2.0                        VERISW
ISN 0230                IF(PCFBFR(50).EQ.3) ZCAL(27)=5.0-ZCAL(27)               VERISW
ISN 0232                IF(PCFBFR(50).EQ.4) ZCAL(27)=3.0                        VERISW
ISN 0234                ACAL(4)=1                                               VERISW
ISN 0235                IF(ZCAL(27).NE.2.0) ACAL(4)=2                           VERISW
ISN 0237                GO TO 8820                                              VERISW
ISN 0238              8802 CONTINUE                                             VERISW
                C       MPDV                                                    VERISW
ISN 0239                IF(XTEMP.EQ.400.0) XTEMP=380.0                          VERISW
ISN 0241                ZCAL(25)=XTEMP                                          VERISW
ISN 0242                IF(PCFBFR(51).EQ.1) ZCAL(25)=360.0                      VERISW
ISN 0244                IF(PCFBFR(51).EQ.3) ZCAL(25)=860.0-ZCAL(25)             VERISW
ISN 0246                IF(PCFBFR(51).EQ.4) ZCAL(25)=480.0                      VERISW
ISN 0248              8820 CONTINUE                                             VERISW
ISN 0249                ACAL(1)=2                                               VERISW
ISN 0250                MPDSET=0                                                VERISW
ISN 0251                LWORK1=0                                                VERISW
ISN 0252                GO TO 8811                                              VERISW
ISN 0253              8803 CONTINUE                                             VERISW
ISN 0254              8804 CONTINUE                                             VERISW
ISN 0255                GO TO 880                                               VERISW
ISN 0256              8805 CONTINUE                                             VERISW
                C       EBA-V                                                   VERISW
ISN 0257                ZCAL(30)=XTEMP*FLT16(PCFBFR(32))/100.0                  VERISW
ISN 0258                GO TO 880                                               VERISW
ISN 0259              8806 CONTINUE                                             VERISW
                C         EBA-I                                                 VERISW
ISN 0260                ZCAL(31)=XTEMP*FLT16(PCFBFR(33))/1000.0                 VERISW
ISN 0261                GO TO 880                                               VERISW
ISN 0262              8807 CONTINUE                                             VERISW
                C       EBA PULSE WIDTH                                         VERISW
ISN 0263                 ACAL(5)=LWORK1                                         VERISW
ISN 0264                GO TO 880                                               VERISW
ISN 0265              8808 CONTINUE                                             VERISW
                C       AF/BF SELECTION                                         VERISW
ISN 0266                ACAL(2)=LWORK1                                          VERISW
ISN 0267                GO TO 880                                               VERISW
ISN 0268              8809 CONTINUE                                             VERISW
                C       AZ COEL  =  PARMS     PCF(79),PCF(80)                   VERISW
ISN 0269                CALL EXTRCT(HEXTAB(IHIND),PCFBFR(79),PCFBFR(80))        VERISW
ISN 0270                GO TO 880                                               VERISW
ISN 0271              8810 CONTINUE                                             VERISW
                C       AZ COEL = PCF(79)=PCF(77);PCF(80)=PCF(78)               VERISW
ISN 0272                PCFBFR(79)=PCFBFR(77)                                   VERISW
ISN 0273                PCFBFR(80)=PCFBFR(78)                                   VERISW
ISN 0274                GO TO 880                                               VERISW
ISN 0275              8811 CONTINUE                                             VERISW
                C       IXFP                                                    VERISW
ISN 0276                IF(LWORK1.NE.0) GO TO 641                               VERISW
ISN 0278                LWORK1=1                                                VERISW
ISN 0279                IF(ZCAL(27).EQ.3.0) LWORK1=2                            VERISW
ISN 0281              641 CONTINUE                                              VERISW
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ISN 0282            ACAL(4)=LWORK1                                          VERISW
ISN 0283            GO TO 880                                               VERISW
ISN 0284         8812 CONTINUE                                              VERISW
ISN 0285         8813 CONTINUE                                              VERISW
                 C      SMO BEAM VOLTAGE AND CURRENT                        VERISW
ISN 0286            ZCAL(30)=FLT16(PCFBFR(2))/4.0                           VERISW
ISN 0287            ZCAL(31)=FLT16(PCFBFR(3))/10.0                          VERISW
ISN 0288            GO TO 880                                               VERISW
ISN 0289         8814 CONTINUE                                              VERISW
                 C      SET PURE (CALIBRATION ONLY)                         VERISW
ISN 0290            PURE=LWORK1                                             VERISW
ISN 0291            GO TO 880                                               VERISW
ISN 0292         8815 CONTINUE                                              VERISW
                 C      SET NGMVSW OVERRIDE                                 VERISW
ISN 0293            ACAL(6)=LWORK1                                          VERISW
ISN 0294            GO TO 880                                               VERISW
ISN 0295         8816 CONTINUE                                              VERISW
                 C      SET NODE PRESET POINT                               VERISW
ISN 0296            ROUTIX(1)=LWORK1+1                                      VERISW
ISN 0297            GO TO 880                                               VERISW
                 C** CHECK FOR '00XX' THRU '77XX' -- INDICATES DIRECT COMMAND VERISW
                 C++++++++++++++++++++++++++++                               VERISW
ISN 0298         77C1 CONTINUE                                              VERISW
ISN 0299            CXIND=HEXTB1+1                                          VERISW
ISN 0300            TEMP=HEXTB2                                             VERISW
ISN 0301            IF(CXIND.GT.120) GO TO 9                                VERISW
                 C** SET ISFLG=1 -- INDICATES PROCESS NEXT HEXTAB COMMAND    VERISW
ISN 0303            ISFLG = 1                                               VERISW
                 C*********************************************             VERISW
                 C** CONVERT 'HEXTAB' DATA                    **             VERISW
                 C*********************************************             VERISW
ISN 0304            IDATA = IAND(HEXTAB(IHIND),MZOOFF)                      VERISW
                 C** BRANCH TO 100 TO DECODE THE 'HEXTAB' COMMAND            VERISW
ISN 0305            GO TO 100                                               VERISW
                 C** CHECK FOR '80XX' THRU 'F7XX' -- INDICATES PARAMETERING COMMAND VERISW
ISN 0306         9  CONTINUE                                                VERISW
ISN 0307            IF(CXIND.LT.129.OR.CXIND.GT.248) GO TO 880              VERISW
                 C** SET ISFLG=1 -- INDICATES PROCESS NEXT HEXTAB COMMAND    VERISW
ISN 0309            ISFLG = 1                                               VERISW
                 C** SUBTRACT 128 FROM HEXTAB INDEX TO PROCESS AS DIRECT COMMANDS VERISW
ISN 0310            CXIND = CXIND - 128                                     VERISW
                 C***************************************                    VERISW
                 C** CONVERT PCF DATA                 **                    VERISW
                 C***************************************                    VERISW
ISN 0311            IDATA = IAND(PCFBFR(HEXTB2),MZOOFF)                     VERISW
                 C** DECODE 'HEXTAB' COMMANDS                                VERISW
ISN 0312         100  CONTINUE                                              VERISW
ISN 0313            CALL GETCMD(CCMTAB(1,CXIND),LREGNC,MASK,ISBIT,ILEN,     VERISW
                   +                          ITEMP,TEMP,REV)               VERISW
                 C      TEST FOR PURE (CALIBRATION ONLY)                    VERISW
ISN 0314            IF(PURE.EQ.1) GO TO 104                                 VERISW
                 C      TEST FOR FACTORABLE COMMANDS                        VERISW
                 C      SIGNAL    CCMTAB-INDEX     PCF-INDEX   PCF-VAL      VERISW
                 C      LINIS     07    08         74          FILV         VERISW
```

T1 = ACAL(4)
T2 = ACAL(6)
PCFBFR(4) = ACAL(1)
ACAL(4) = ACAL(5)

```
                C     SENAD     08    09          75          FSLV                    VERISW
                C     PHIRCO-3  2F    48          61          PHOFIR                  VERISW
     ISN 0316         IF(ITEMP.NE.8) GO TO 102                                       VERISW
                C     PEFORM FACTORING                                               VERISW
     ISN 0318         IDATA=(IDATA*PCFBFR(ITEMP+25))/10                              VERISW
                C     LIMIT PHIRCO-3 TO 15                                           VERISW
     ISN 0319         IF(CXIND.NE.48) GO TO 103                                      VERISW
     ISN 0321         IF(IDATA.GT.15)IDATA=15                                        VERISW
     ISN 0323         GO TO 103                                                      VERISW
     ISN 0324       102 CONTINUE                                                     VERISW
     ISN 0325         IF(ITEMP.NE.9) GO TO 101                                       VERISW
     ISN 0327         IDATA=127-(127-IDATA)*PCFBFR(ITEMP+25)/10                      VERISW
     ISN 0328         IF(IDATA.LE.0) IDATA=0                                         VERISW
     ISN 0330         IF(IDATA.GE.127) IDATA=127                                     VERISW
     ISN 0332       101 CONTINUE                                                     VERISW
     ISN 0333         IF(ITEMP.NE.4) GO TO 103                                       VERISW
     ISN 0335         I=PCFBFR(ITEMP+25)                                             VERISW
     ISN 0336         IF(I.EQ.0) IDATA=0                                             VERISW
     ISN 0338         IF(I.EQ.2) IDATA=1-IDATA                                       VERISW
     ISN 0340         IF(I.EQ.3) IDATA=1                                             VERISW
     ISN 0342       103 CONTINUE                                                     VERISW
                C     PCF NOTE 6                                                     VERISW
     ISN 0343         IF(ITEMP.NE.6) GO TO 104                                       VERISW
     ISN 0345         IF(PCFBFR(ITEMP+25).EQ.1) IDATA=1-IDATA                        VERISW
     ISN 0347       104 CONTINUE                                                     VERISW
     ISN 0348         IF(REV.EQ.8) CALL REV8(IDATA,IDATA)                            VERISW
                C*****************************************                         VERISW
                C** CALCULATE MASK WORD AND IU WORD                                 VERISW
     ISN 0350         IEXP = ILEN + 1                                                VERISW
     ISN 0351         ISHF = (15-ISBIT) - ILEN                                       VERISW
     ISN 0352         IDATA = ISHIF(IDATA,ISHF)                                      VERISW
     ISN 0353         MASKC=IEOR(MASK,MZFFFF)                                        VERISW
     ISN 0354         IDATA = IAND(IDATA,MASK)                                       VERISW
                C                                                                    VERISW
     ISN 0355      4299 CONTINUE                                                     VERISW
     ISN 0356         IF(NTIME.LT.0) GO TO 4390                                      VERISW
                C                                                                    VERISW
     ISN 0358         IF(NTIME-CXREG(1,RUNIX))4310,4330,4320                         VERISW
     ISN 0359      4310 CONTINUE                                                     VERISW
     ISN 0360         RUNIX=CXREG(6,RUNIX)                                           VERISW
     ISN 0361         IF(NTIME-CXREG(1,RUNIX))4310,4330,4360                         VERISW
     ISN 0362      4320  CONTINUE                                                    VERISW
     ISN 0363          RUNIX=CXREG(5,RUNIX)                                          VERISW
     ISN 0364          IF(NTIME-CXREG(1,RUNIX))4325,4330,4320                        VERISW
     ISN 0365      4325  CONTINUE                                                   VERISW
     ISN 0366          RUNIX=CXREG(6,RUNIX)                                          VERISW
     ISN 0367          GO TO 4360                                                    VERISW
                C     TEST FOR CORRECT REGISTER                                      VERISW
     ISN 0368      4330 CONTINUE                                                    VERISW
     ISN 0369         IF(LREGNO-CXREG(2,RUNIX)) 4335,4350,4340                       VERISW
     ISN 0370      4335 CONTINUE                                                    VERISW
     ISN 0371         RUNIX=CXREG(6,RUNIX)                                           VERISW
     ISN 0372         IF(NTIME.NE.CXREG(1,RUNIX))GO TO 4360                          VERISW
     ISN 0374         IF(LREGNO-CXREG(2,RUNIX))4335,4350,4360                        VERISW
```

```
ISN 0375      4340 CONTINUE                                                    VERISN
ISN 0376           RUNIX=CXREG(5,RUNIX)                                        VERISN
ISN 0377           IF(INTIME.NE.CXREG(1,RUNIX))GO TO 4325                      VERISN
ISN 0379           IF(LREGNO-CXREG(2,RUNIX))4325,4350,4340                     VERISN
ISN 0380      4350 CONTINUE                                                    VERISN
              C    MERGE COMMAND WITH PREVIOUS COMMAND                         VERISN
ISN 0381           CXREG(3,RUNIX)=IOR(CXREG(3,RUNIX),MASK)                     VERISN
ISN 0382           IF(CXIND.EQ.78) ITEMP=IAND(CXREG(4,RUNIX),MASK)             VERISN
ISN 0384           CXREG(4,RUNIX)=IAND(CXREG(4,RUNIX),MASKC)                   VERISN
ISN 0385           CXREG(4,RUNIX)=IOR(CXREG(4,RUNIX),IDATA)                    VERISN
ISN 0386           IF(CXIND.EQ.78) CXREG(4,RUNIX)=IOR(CXREG(4,RUNIX),ITEMP)    VERISN
ISN 0388           CXREG(1,RUNIX)=NTIME                                        VERISN
ISN 0389           CXREG(2,RUNIX)=LREGNO                                       VERISN
ISN 0390           GO TO 666                                                   VERISN
              C                                                                VERISN
ISN 0391      4360 CONTINUE                                                    VERISN
ISN 0392           IF(TLHED(1).GE.1000) GO TO 4390                             VERISN
ISN 0394           TLHED(1)=TLHED(1)+1                                         VERISN
ISN 0395           TLHED(2)=TLHED(2)+1                                         VERISN
ISN 0396           CXREG(5,TLHED(1))=CXREG(5,RUNIX)                            VERISN
ISN 0397           CXREG(6,TLHED(1))=RUNIX                                     VERISN
ISN 0398           CXREG(6,CXREG(5,RUNIX))=TLHED(1)                            VERISN
ISN 0399           CXREG(5,RUNIX)=TLHED(1)                                     VERISN
ISN 0400           RUNIX=TLHED(1)                                              VERISN
ISN 0401           GO TO 4350                                                  VERISN
              C                                                                VERISN
ISN 0402      4390 CONTINUE                                                    VERISN
ISN 0403           OFLOW=OFLOW+1                                               VERISN
ISN 0404           GO TO 880                                                   VERISN
ISN 0405       666 CONTINUE                                                    VERISN
              C*************************************                           VERISN
ISN 0406           GO TO 888                                                   VERISN
              C** SET ISFLG=1 -- INDICATES PROCESS NEXT COMMAND                 VERISN
              C       ISFLG=2 -- PROCESS NEXT FOTAE ENTRY                      VERISN
ISN 0407       880 CONTINUE                                                    VERISN
ISN 0408           ISFLG = 1                                                   VERISN
ISN 0409       888 CONTINUE                                                    VERISN
ISN 0410           IF(ISFLG.EQ.2) GO TO 38                                     VERISN
ISN 0412       889 CONTINUE                                                    VERISN
ISN 0413           IHIND = IHIND + 1                                           VERISN
ISN 0414           IF(ISFLG.EQ.1) GO TO 37                                     VERISN
              C** TERMINATE PROCESSING OF HEXTAB COMMANDS                      VERISN
ISN 0416           GO TO 998                                                   VERISN
              C** INCREMENT FOTAB INDEX                                        VERISN
ISN 0417        38 CONTINUE                                                    VERISN
ISN 0418           IF(SUBIQ.EQ.0) GO TO 39                                     VERISN
              C    RETURN FROM SUBROUTINE CALL                                 VERISN
ISN 0420       380 CONTINUE                                                    VERISN
ISN 0421           IHIND=SUBX(SUBIQ)+1                                         VERISN
ISN 0422           IF(SUBTY(SUBIQ).EQ.249) NTIME=RETIM(SUBIQ)                  VERISN
ISN 0424           SUBIQ=SUBIQ-1                                               VERISN
ISN 0425           GO TO 1                                                     VERISN
ISN 0426        39 CONTINUE                                                    VERISN
ISN 0427           IND = IND + 1                                               VERISN
```

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ISN 0428          GO TO 36                                                  VERISW
                C>>>      <<<                                               VERISW
                C>>>>>    <<<<<                                             VERISW
                C>>>      <<<                                               VERISW
ISN 0429          998 CONTINUE                                              VERISW
                C** RETURN TO CALLING PROGRAM                               VERISW
ISN 0430        999   CONTINUE                                              VERISW
ISN 0431              IF(MERGE.EQ.1) GO TO 9990                             VERISW
ISN 0433              TLHED(5)=-1                                           VERISW
ISN 0434              TLHED(3)=1                                            VERISW
ISN 0435              TLHED(6)=10                                           VERISW
ISN 0436        9990 CONTINUE                                               VERISW
ISN 0437              MERGE=0                                               VERISW
ISN 0438              RETURN                                                VERISW
ISN 0439              END                                                   VERISW
```

```
000000  47 F0 F 00C     PASSX   BC      15,12(0,15)
000004  07                      CC      XL1'07'
000005  D7C1E2E2E74040            CC      CL7'PASSX  '
00000C  90 EC D 00C             STM     14,12,12(13)
000010  18 4D                  LR      4,13
000014  98 CD F 020             LM      12,13,32(15)
000018  50 40 D 004             ST      4,4(0,13)
00001A  50 D0 4 008             ST      13,8(0,4)
00001E  07 FC                   BCR     15,12

CONSTANTS
0001D8  00000000                DC      XL4'00000000'
0001DC  00000001                DC      XL4'00000001'
0001E0  00000002                DC      XL4'00000002'
0001E4  00000003                DC      XL4'00000003'
0001E8  00000004                DC      XL4'00000004'
0001EC  00000005                DC      XL4'00000005'
0001F0  00000006                DC      XL4'00000006'
0001F4  00000007                DC      XL4'00000007'
0001F8  00000008                DC      XL4'00000008'
0001FC  00000009                DC      XL4'00000009'
000200  0000000A                DC      XL4'0000000A'
000204  0000000B                DC      XL4'0000000B'
000208  0000000C                DC      XL4'0000000C'
00020C  0000000D                DC      XL4'0000000D'
000210  0000000E                DC      XL4'0000000E'
000214  0000000F                DC      XL4'0000000F'
000218  00000010                DC      XL4'00000010'
00021C  00000017                DC      XL4'00000017'
000220  00000019                DC      XL4'00000019'
000224  0000001B                DC      XL4'0000001B'
000228  0000001E                DC      XL4'0000001E'
00022C  0000001F                DC      XL4'0000001F'
000230  00000020                DC      XL4'00000020'
000234  00000021                DC      XL4'00000021'
000238  00000023                DC      XL4'00000023'
00023C  0000002E                DC      XL4'0000002E'
000240  0000002F                DC      XL4'0000002F'
000244  00000030                DC      XL4'00000030'
000248  00000032                DC      XL4'00000032'
00024C  00000033                DC      XL4'00000033'
000250  00000034                DC      XL4'00000034'
000254  00000035                DC      XL4'00000035'
000258  00000036                DC      XL4'00000036'
00025C  00000037                DC      XL4'00000037'
000260  0000003A                DC      XL4'0000003A'
000264  0000003B                DC      XL4'0000003B'
000268  0000003C                DC      XL4'0000003C'
00026C  00000046                DC      XL4'00000046'
000270  00000047                DC      XL4'00000047'
000274  00000048                DC      XL4'00000048'
000278  0000004D                DC      XL4'0000004D'
00027C  0000004E                DC      XL4'0000004E'
000280  0000004F                DC      XL4'0000004F'
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                0002E4  00000050                DC      XL4'00000050'
                0002E8  00000078                DC      XL4'00000078'
                0002EC  0000007F                DC      XL4'0000007F'
                0002F0  00000080                DC      XL4'00000080'
                0002F4  00000081                DC      XL4'00000081'
                0002F8  00000096                DC      XL4'00000096'
                0002FC  00000099                DC      XL4'00000099'
                0003A0  000000EF                DC      XL4'000000EF'
                0003A4  000000F2                DC      XL4'000000F2'
                0003A8  000000F8                DC      XL4'000000F8'
                0003AC  000000F9                DC      XL4'000000F9'
                0003B0  00000101                DC      XL4'00000101'
                0003B4  0000012C                DC      XL4'0000012C'
                0003B8  000003E8                DC      XL4'000003E8'
                0003BC  00001776                DC      XL4'00001776'
                0003C0  00007FFF                DC      XL4'00007FFF'
                0003C4  000F423F                DC      XL4'000F423F'
                0003C8  41100000                DC      XL4'41100000'
                0003CC  41200000                DC      XL4'41200000'
                0003D0  41300000                DC      XL4'41300000'
                0003D4  41400000                DC      XL4'41400000'
                0003D8  41500000                DC      XL4'41500000'
                0003DC  41A00000                DC      XL4'41A00000'
                0003E0  42140000                DC      XL4'42140000'
                0003E4  42170000                DC      XL4'42170000'
                0003E8  42640000                DC      XL4'42640000'
                0003EC  42B40000                DC      XL4'42B40000'
                0003F0  42FF0000                DC      XL4'42FF0000'
                0003F4  4310E000                DC      XL4'4310E000'
                0003F8  4317C000                DC      XL4'4317C000'
                0003FC  43190000                DC      XL4'43190000'
                000400  431E0000                DC      XL4'431E0000'
                000404  4335C000                DC      XL4'4335C000'
                000408  433E8000                DC      XL4'433E8000'
                00040C  4312C000                DC      XL4'4312C000'
                000410  42960000                DC      XL4'42960000'
                000414  42990000                DC      XL4'42990000'
ADCONS FOR VARIABLES AND CONSTANTS
ADCONS FOR COMMON
                000420  00000000                DC      XL4'00000000'
                000424  00000000                DC      XL4'00000000'
                000428  00000000                DC      XL4'00000000'
                00042C  FFFFFFF8                DC      XL4'FFFFFFF8'
                000430  FFFFFFFA                DC      XL4'FFFFFFFA'
                000434  FFFFFFFE                DC      XL4'FFFFFFFE'
                000438  FFFFFFFE                DC      XL4'FFFFFFFE'
                00043C  FFFFFFFE                DC      XL4'FFFFFFFE'
                000440  FFFFFFFE                DC      XL4'FFFFFFFE'
                000444  00000000                DC      XL4'00000000'
                000448  FFFFFFFE                DC      XL4'FFFFFFFE'
                00044C  00002EEC                DC      XL4'00002EEC'
                000450  00000000                DC      XL4'00000000'
ADCONS FOR EXTERNAL REFERENCES
                000454  00000000                DC      XL4'00000000'                   IOR
```

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0003E8  00000000                        DC      XL4'00000000'           ZAP
0003EC  00000000                        DC      XL4'00000000'           DOIF
0003F0  00000000                        DC      XL4'00000000'           IAND
0003F4  00000000                        DC      XL4'00000000'           IEOR
0003F8  00000000                        DC      XL4'00000000'           MOVE
0003FC  00000000                        DC      XL4'00000000'           REV8
000400  00000000                        DC      XL4'00000000'           FLT16
000404  00000000                        DC      XL4'00000000'           INT16
000408  00000000                        DC      XL4'00000000'           ISHIF
00040C  00000000                        DC      XL4'00000000'           DCCALC
000410  00000000                        DC      XL4'00000000'           EXTRCT
000414  00000000                        DC      XL4'00000000'           GETCMD
000418  00000000                        DC      XL4'00000000'           MSOUT1
00041C  00000000                        DC      XL4'00000000'           PHEADR

DATA CONSTANTS
000346  7F                              DC      XL1'7F'                 Z7FFF
000347  FF                              DC      XL1'FF'                 Z7FFF
0004A0  58 A0 D 3B0             1111    L       10, 944( 0,13)
0004A4  58 90 D 3A8                     L        9, 936( 0,13)
0004A8  58 F0 D 388                     L       15, 904( 0,13)
0004AC  48 00 F 020                     LH       0,  32( 0,15)          MERGE
0004B0  59 00 D 1B4                     C        0, 436( 0,13)          1
0004B4  47 90 D 4E2                     BC       9,1250( 0,13)          1113
0004B8  41 00 A 002             100002  LA       0,   2( 0,10)          TLHED
0004BC  50 00 D 0D4                     ST       0, 212( 0,13)
0004C0  41 10 D 0D4                     LA       1, 212( 0,13)
0004C4  58 F0 D 3C0                     L       15, 960( 0,13)          ZAP
0004C8  05 EF                           BALR    14,15
0004CA  47 00 0 01D                     BC       0,  29( 0, 0)
0004CE  41 00 0 001                     LA       0,   1( 0, 0)          1
0004D2  40 00 D 318                     STH      0, 792( 0,13)          RUNIX
0004D6  41 00 0 002                     LA       0,   2( 0, 0)          2
0004DA  40 00 A 002                     STH      0,   2( 0,10)          TLHED
0004DE  41 00 0 001                     LA       0,   1( 0, 0)          1
0004E2  40 00 A 0C4                     STH      0,   4( 0,10)          TLHED
0004E6  40 00 A 010                     STH      0,  16( 0,10)          CXREG
0004EA  41 00 0 002                     LA       0,   2( 0, 0)          2
0004EE  40 00 A 016                     STH      0,  22( 0,10)          CXREG
0004F2  58 00 D 298                     L        0, 664( 0,13)          7FFF
0004F6  40 00 A 01A                     STH      0,  26( 0,10)          CXREG
0004FA  41 00 0 010                     LA       0,  16( 0, 0)          10
0004FE  40 00 A 01C                     STH      0,  28( 0,10)          CXREG
000502  41 00 0 001                     LA       0,   1( 0, 0)          1
0005C6  40 00 A 024                     STH      0,  36( 0,10)          CXREG
0005CA  58 F0 D 390             1113    L       15, 912( 0,13)
0005CE  41 00 F 096                     LA       0, 150( 0,15)          MSGBLA
000512  50 00 D 0DC                     ST       0, 220( 0,13)
000516  41 00 D 378                     LA       0, 888( 0,13)          IANGL
00051A  50 00 D 0E0                     ST       0, 224( 0,13)
00051E  41 10 D 0DC                     LA       1, 220( 0,13)
000522  58 F0 D 3D0                     L       15, 976( 0,13)          MOVE
000526  05 EF                           BALR    14,15
000528  47 00 C 027                     BC       0,  39( 0, 0)
00052C  78 20 D 2CC                     LE       2, 716( 0,13)          4310E000
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000530  78 20 D 378            SE     2, 888( 0,13)          LANG1
000534  7C 20 D 2C8            ME     2, 712( 0,13)      42FF0000
000538  7D 20 D 2C4            CE     2, 708( 0,13)      42840000
00053C  70 20 D 34C            STE    2, 844( 0,13)         UTEMP
000540  41 10 D 0E8            LA     1, 232( 0,13)
000544  58 F0 D 3DC            L     15, 988( 0,13)         INT16
000548  05 EF                  BALR  14,15
00054A  47 00 0 029            BC     0,  41( 0, 0)
00054E  40 00 D 468            STH    0,1128( 0,13)          .T18
000552  40 00 9 09A            STH    0, 154( 0, 9)        PCFBFR
000556  78 20 D 2CC            LE     2, 716( 0,13)      431CE000
00055A  78 20 D 37C            SE     2, 892( 0,13)         LANG2
00055E  7C 20 D 2C8            ME     2, 712( 0,13)      42FF0000
000562  7D 20 D 2C4            CE     2, 708( 0,13)      42840000
000566  70 20 D 34C            STE    2, 844( 0,13)         UTEMP
00056A  41 10 D 0E8            LA     1, 232( 0,13)
00056E  58 F0 D 3DC            L     15, 988( 0,13)         INT16
000572  05 EF                  BALR  14,15
000574  47 00 0 028            BC     0,  43( 0, 0)
000578  40 00 D 46C            STH    0,1132( 0,13)          .T19
00057C  40 00 9 09C            STH    0, 156( 0, 9)        PCFBFR
000580  48 20 9 032            LH     2,  50( 0, 9)        PCFBFR
000584  12 22                  LTR    2, 2
000586  47 90 D 5BA            BC     9,1466( 0,13)          1999
0005EA  41 00 0 000     100003 LA     0,   0( 0, 0)             0
00058E  40 00 9 040            STH    0,  64( 0, 9)        PCFBFR
000592  40 00 9 042            STH    0,  66( 0, 9)        PCFBFR
000596  40 00 9 046            STH    0,  70( 0, 9)        PCFBFR
00059A  58 F0 D 38C            L     15, 908( 0,13)
00059E  48 20 F 018            LH     2,  24( 0,15)          FONUM
0005A2  59 20 D 1B4            C      2, 436( 0,13)             1
0005A6  47 60 D 58A            BC     6,1418( 0,13)      D  Y $ <
0005AA  41 00 0 001     100004 LA     0,   1( 0, 0)             1
0005AE  40 00 9 046            STH    0,  70( 0, 9)        PCFBFR
0005B2  41 00 0 001     100005 LA     0,   1( 0, 0)             1
0005B6  40 00 9 074            STH    0, 116( 0, 9)        PCFBFR
0005BA  40 00 9 078            STH    0, 120( 0, 9)        PCFBFR
0005BE  40 00 9 08C            STH    0, 140( 0, 9)        PCFBFR
0005C2  41 00 0 000            LA     0,   0( 0, 0)             0
0005C6  40 00 9 08E            STH    0, 142( 0, 9)        PCFBFR
0005CA  40 00 9 090            STH    0, 144( 0, 9)        PCFBFR
0005CE  48 30 9 032            LH     3,  50( 0, 9)        PCFBFR
0005D2  59 30 D 1B8            C      3, 440( 0,13)             2
0005D6  47 60 D 58A            BC     6,1466( 0,13)          1999
0005DA  41 00 0 001     100006 LA     0,   1( 0, 0)             1
0005DE  40 00 9 090            STH    0, 144( 0, 9)        PCFBFR
0005E2  41 30 0 001       1999 LA     3,   1( 0, 0)             1
0005E6  41 50 0 004            LA     5,   4( 0, 0)             4
0005EA  41 40 0 001            LA     4,   1( 0, 0)             1
0005EE  41 70 0 000            LA     7,   0( 0, 0)             0
0005F2  18 23           100007 LR     2, 3
0005F4  89 20 0 001            SLL    2,   1( 0, 0)
0005F8  40 72 D 352            STH    7, 850( 2,13)          SUBX
0005FC  40 72 D 35A            STH    7, 858( 2,13)          SUBTY
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000600  18 23                2017  LR    2, 3
000602  1A 24                       AR    2, 4
000604  18 32                       LR    3, 2
000606  19 35                       CR    3, 5
000608  47 00 D 5CA                 BC    13,1482( 0,13)          * $28
00060C  41 30 0 001           100008 LA    3,    1( 0, 0)            1
000610  41 70 C 000                  LA    7,    0( 0, 0)            0
000614  41 50 C 00A                  LA    5,   10( 0, 0)            A
000618  41 40 0 001                  LA    4,    1( 0, 0)            1
00061C  18 23                2018  LR    2, 3
00061E  89 20 0 001                  SLL   2,    1( 0, 0)
000622  40 72 9 120                  STH   7,  288( 2, 9)          ACAL
000626  18 23                       LR    2, 3
000628  1A 24                       AR    2, 4
00062A  18 32                       LR    3, 2
00062C  19 35                       CR    3, 5
00062E  47 00 D 5F4                 BC    13,1524( 0,13)          2018
000632  41 00 0 000           100009 LA    0,    0( 0, 0)            0
000636  40 00 D 3C4                 STH   0,  772( 0,13)          FORE
00063A  78 00 D 2A8                 LE    0,  680( 0,13)          41300000
00063E  70 00 9 10A                 STE   0,  266( 0, 9)          ZCAL
000642  41 00 C 002                 LA    0,    2( 0, 0)            2
000646  40 00 9 128                 STH   0,  296( 0, 9)          ACAL
00064A  58 F0 D 38C                 L     15, 908( 0,13)          FOSEL
00064E  48 00 F 000                 LH    0,    0( 0,15)          FOSEL
000652  59 00 D 18C                 C     0,  444( 0,13)            3
000656  41 40 C 001                 LA    4,    1( 0, 0)
00065A  47 60 D 638                 BC    6,1592( 0,13)
00065E  1B 44                       SR    4, 4
000660  48 00 F 000                 LH    0,    0( 0,15)          FOSEL
000664  59 00 D 104                 C     0,  468( 0,13)            9
000668  41 30 C 001                 LA    3,    1( 0, 0)
00066C  47 60 D 64A                 BC    6,1610( 0,13)
000670  1B 33                       SR    3, 3
000672  14 34                       NR    3, 4
000674  1B FF                       SR    15,15
000676  86 3F D 662                 BXH   3,1634(15,13)           2016
00067A  78 00 D 2A4           100010 LE    0,  676( 0,13)          41200000
00067E  70 00 9 10A                 STE   0,  266( 0, 9)          ZCAL
000682  41 00 0 001                 LA    0,    1( 0, 0)            1
000686  40 00 9 128                 STH   0,  296( 0, 9)          ACAL
00068A  41 00 9 05C           2016  LA    0,   92( 0, 9)          PCF8FR
00068E  50 00 D 0EC                 ST    0,  236( 0,13)
000692  92 80 D 0EC                 MVI   8,  236( 0,13)
000696  41 10 D 0EC                 LA    1,  236( 0,13)
00069A  58 F0 D 308                 L     15, 984( 0,13)          FLT16
00069E  05 EF                       BALR  14,15
0006A0  47 00 0 049                 BC    0,   73( 0, 0)
0006A4  70 00 D 470                 STE   0,1136( 0,13)           .T20
0006A8  78 20 D 2A4                 LE    2,  676( 0,13)          41200000
0006AC  7C 20 D 470                 ME    2,1136( 0,13)           .T20
0006B0  70 20 D 2C8                 DE    2,  712( 0,13)          42FF0000
0006B4  58 F0 D 388                 L     15, 952( 0,13)
0006B8  70 2C F C30                 STE   2,  48( 0,15)           DAF
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000BBC  41 0C 9 C5E          LA     0,  94( 0, 9)          PCFBFR
000BC0  50 00 D 0EC          ST     0, 236( 0,13)
000BC4  92 80 D 0EC          MVI    8, 236( 0,13)
000BC8  41 10 D 0EC          LA     1, 236( 0,13)
000BCC  58 F0 D 308          L     15, 984( 0,13)          FLI16
000BD0  05 EF                EALR  14,15
000BD2  47 00 0 C4A          EC     0,  74( 0, 0)
000BD6  70 00 D 470          STE    0,1136( 0,13)          .120
000BDA  78 20 D 2AC          LE     2, 684( 0,13)          41400000
000BDE  7C 20 D 470          ME     2,1136( 0,13)          .120
000BE2  70 20 D 2C8          CE     2, 712( 0,13)          42FF0000
000BE6  78 20 D 2A4          SE     2, 676( 0,13)          41200000
000BEA  58 F0 D 388          L     15, 952( 0,13)
000BEE  70 20 F 038          STE    2,  56( 0,15)          XBF
000BF2  58 00 D 29C          L      0, 668( 0,13)          F423F
000BF6  13 00                LCR    0, 0
000BF8  50 00 D 338          ST     0, 824( 0,13)          UTX
000BFC  41 00 C 000          LA     0,   0( 0, 0)          0
000C00  50 00 D 33C          ST     0, 828( 0,13)          UBIX
000C04  40 00 D 31A          STH    0, 794( 0,13)          SUBIQ
000C08  40 00 D 32E          STH    0, 814( 0,13)          MPDSET
000C0C  58 F0 D 38C          L     15, 908( 0,13)
000C10  40 00 F C44          STH    0,  68( 0,15)          CFLOW
000C14  58 F0 D 390          L     15, 912( 0,13)
000C18  41 00 F C96          LA     0, 150( 0,15)          MSGBLA
000C1C  50 00 D CDC          ST     0, 220( 0,13)
000C20  41 00 9 0DE          LA     0, 222( 0, 9)          ZCAL
000C24  50 00 D 0E0          ST     0, 224( 0,13)
000C28  41 10 D 0DC          LA     1, 220( 0,13)
000C2C  58 F0 D 300          L     15, 776( 0,13)          MOVE
000C30  05 EF                EALR  14,15
000C32  47 00 0 050          EC     0,  80( 0, 0)
000C36  41 00 0 001          LA     0,   1( 0, 0)          1
000C3A  40 00 D 330          STH    0, 816( 0,13)          ORUNIX
000C3E  58 F0 D 38C          L     15, 908( 0,13)
000C42  48 30 F 000          LH     3,   0( 0,15)          FOSEL
000C46  89 30 0 001          SLL    3,   1( 0, 0)
000C4A  58 F0 D 3A0          L     15, 928( 0,13)
000C4E  48 03 F 002          LH     0,   2( 3,15)          FOIND
000C52  40 00 D 2F6          STH    0, 758( 0,13)          IND
000C56  58 30 D 188      600 L      3, 440( 0,13)          2
000C5A  4A 30 D 2F6          AH     3, 758( 0,13)          IND
000C5E  40 30 D 2F6          STH    3, 758( 0,13)          IND
000C62  48 20 D 2F6       36 LH     2, 758( 0,13)          IND
000C66  89 20 0 002          SLL    2,   2( 0, 0)
000C6A  50 20 D 3F8          ST     2,1016( 0,13)          .001
000C6E  58 F0 D 398          L     15, 920( 0,13)
000C72  41 02 F 002          LA     0,   2( 2,15)          FOTAB
000C76  50 00 D CF0          ST     0, 240( 0,13)
000C7A  41 10 D 0F0          LA     1, 240( 0,13)
000C7E  58 F0 D 3E8          L     15,1000( 0,13)          EXTRCT
000C82  05 EF                EALR  14,15
000C84  47 00 0 056          EC     0,  86( 0, 0)
000C88  48 00 D 320          LH     0, 800( 0,13)          FOTAB1
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000C78C  58 F0 D 388          L     15, 904( 0,13)
000C790  49 00 F 00E          CH     0,  14( 0,15)                    RFA
000C794  47 90 C 4BE          BC     9,1214( 0,12)                    598
000C798  58 F0 D 398  100011  L     15, 920( 0,13)                    FGTAB
0007SC   48 32 F 002          LH     3,   2( 2,15)
000C7A0  5C 20 D 108          M      2, 472( 0,13)                      A
0007A4   58 F0 D 38C          L     15, 908( 0,13)
0007A8   40 30 F 046          STH    3,  70( 0,15)                    NTIME
0007AC   58 F0 D 388          L     15, 904( 0,13)
000780   48 00 F 020          LH     0,  32( 0,15)                    MERGE
000784   59 00 D 184          C      0, 436( 0,13)                       L
000788   47 60 D 7A8          BC     6,1960( 0,13)                 D  + $0Y
000C78C  58 F0 D 388  100012  L     15, 904( 0,13)
0007C0   48 00 F 01E          LH     0,  30( 0,15)                    TIMEX
0007C4   58 F0 D 38C          L     15, 908( 0,13)
000C7C8  4A 00 F 046          AH     0,  70( 0,15)                    NTIME
000CCC   40 00 F 046          STH    0,  70( 0,15)                    NTIME
000700   58 F0 D 38C  100013  L     15, 908( 0,13)
000704   48 00 F 046          LH     0,  70( 0,15)                    NTIME
000708   12 00                LTR    0, 0
000C7DA  47 60 D 7BE          BC     6,1982( 0,13)                 D  4 $F-
000C7DE  41 00 0 001  100014  LA     0,   1( 0, 0)                       1
000CE2   40 00 D 318          STH    0, 792( 0,13)                    RUNIX
0007E6   58 E0 C 3F8  100015  L     14,1016( 0,13)                    .G01
0007EA   58 F0 D 398          L     15, 920( 0,13)
000CEE   41 0E F 004          LA     0,   4(14,15)                    FGTAB
000CF2   50 00 D 0FC          ST     0, 252( 0,13)
000CF6   41 10 D 0FC          LA     1, 252( 0,13)
0007FA   58 F0 D 3C8          L     15, 968( 0,13)                    IAND
000CFE   05 EF                BALR  14,15
000800   47 00 0 05E          BC     0,  94( 0, 0)
000804   40 00 D 420          STH    0,1056( 0,13)                    .T00
000808   18 30                LR     3, 0
000CCA   5A 30 D 184          A      3, 436( 0,13)                       1
000CCE   40 30 D 300          STH    3, 768( 0,13)                    ISUB
000812   59 30 D 280          C      3, 640( 0,13)                    FB
000816   47 40 D 808          BC     4,2056( 0,13)                 D  $0H
000C81A  13 33        100016  LCR    3, 3
00081C   5A 30 D 288          A      3, 648( 0,13)                    101
000820   89 30 0 001          SLL    3,   1( 0, 0)
000824   58 F0 D 38C          L     15, 908( 0,13)
000828   48 03 F 046          LH     0,  70( 3,15)                    ROUTIX
000C2C   40 00 D 300          STH    0, 768( 0,13)                    ISUB
000830   48 00 D 300  100017  LH     0, 768( 0,13)                    ISUB
000834   12 00                LTR    0, 0
000836   47 00 D 8EC          BC    13,2284( 0,13)                    7714
000C3A   48 40 D 300      237 LH     4, 768( 0,13)                    ISUB
00083E   89 40 0 001          SLL    4,   1( 0, 0)
000842   58 F0 D 3A4          L     15, 932( 0,13)
000846   48 34 F 000          LH     3,   0( 4,15)                    HEXIND
00084A   40 30 D 30C          STH    3, 780( 0,13)                    IHIND
00084E   12 33                LTR    3, 3
000E50   47 90 C 4BE          BC     9,1214( 0,12)                    559
000854   41 00 0 000  100018  LA     0,   0( 0, 0)                       0
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000858  40 00 D 31C            STH   0, 796( 0,13)          TRUTH
00085C  41 00 0 000        37  LA    0,   0( 0, 0)             0
000860  40 00 D 310            STH   0, 784( 0,13)          ISFLG
000864  48 30 D 3CC         1  LH    3, 780( 0,13)          IHIND
000868  89 30 0 001            SLL   3,   1( 0, 0)
00086C  50 30 D 3FC            ST    3,1020( 0,13)          .Q02
000870  58 F0 D 39C            L    15, 924( 0,13)
000874  41 33 F 000            LA    3,   0( 3,15)          HEXTAB
000878  50 30 D 104            ST    3, 260( 0,13)
00087C  41 10 D 104            LA    1, 260( 0,13)
000880  58 F0 D 3E8            L    15,1000( 0,13)          EXTRCT
0008E4  05 EF                  BALR 14,15
000886  47 00 0 06A            BC    0, 106( 0, 0)
00088A  41 00 0 001            LA    0,   1( 0, 0)             1
00088E  40 00 D 324            STH   0, 804( 0,13)          GOTOIT
000892  48 00 D 326            LH    0, 806( 0,13)          HEXTB1
000856  59 00 D 27C            C     0, 636( 0,13)             F2
00089A  47 40 D 882            BC    4,2178( 0,13)             11
00089E  48 30 D 326     100019 LH    3, 806( 0,13)          HEXTB1
0008A2  5B 30 D 278            S     3, 632( 0,13)             EF
0008A6  40 30 D 324            STH   3, 804( 0,13)          GOTOIT
0008AA  48 00 D 324        11  LH    0, 804( 0,13)          GOTOIT
0008AE  59 00 D 1F0            C     0, 496( 0,13)             10
0008B2  47 90 D 898            BC    9,2200( 0,13)            111
0008B6  48 00 D 31C     100020 LH    0, 796( 0,13)          TRUTH
0008BA  12 00                  LTR   0, 0
0008BC  47 40 C 430            BC    4,1072( 0,12)            E80
0008C0  48 F0 D 324        111 LH   15, 804( 0,13)          GOTOIT
0008C4  41 E0 0 010            LA   14,  16( 0, 0)
0008C8  15 FE                  CLR  15,14
0008CA  89 F0 0 002            SLL  15,   2( 0, 0)
0008CE  47 20 D 880            BC    2,2224( 0,13)
0008D2  58 EF D 04C            L    14,  76(15,13)            76
0008D6  07 FE                  BCR  15,14
0008D8  41 00 0 001     7710   LA    0,   1( 0, 0)             1
0008DC  40 00 D 310            STH   0, 784( 0,13)          ISFLG
0008E0  48 00 D 328            LH    0, 808( 0,13)          HEXTB2
0008E4  58 F0 D 388            L    15, 904( 0,13)
0008E8  49 00 F 016            CH    0,  22( 0,15)             RFE
0008EC  47 60 D 8D0            BC    6,2256( 0,13)          D  D $+8
0008F0  41 00 0 002     100022 LA    0,   2( 0, 0)             2
0008F4  40 00 D 310            STH   0, 784( 0,13)          ISFLG
0008F8  47 F0 C 438     100023 BC   15,1080( 0,12)            E88
0008FC  58 E0 D 3FC       7702 L    14,1020( 0,13)          .Q02
000900  58 F0 D 39C            L    15, 924( 0,13)
000904  48 0E F 002            LH    0,   2(14,15)          HEXTAB
000908  40 00 D 30C            STH   0, 780( 0,13)          IHIND
00090C  47 F0 D 834            BC   15,2100( 0,13)            37
000910  47 F0 C 430       7711 BC   15,1072( 0,12)            E80
000914  41 00 0 002       7714 LA    0,   2( 0, 0)             2
000918  40 00 D 310            STH   0, 784( 0,13)          ISFLG
00091C  47 F0 C 438            BC   15,1080( 0,12)            E88
000920  48 00 D 328       7715 LH    0, 808( 0,13)          HEXTB2
000924  58 F0 D 388            L    15, 904( 0,13)
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000928  49 00 F 016              CH    0,   22( 0,15)   RFE
00092C  47 60 D 92A              BC    6,2346( 0,13)   533
000930  41 00 0 001    100024    LA    0,    1( 0, 0)   1
000934  40 00 D 2F4              STH   0,  756( 0,13)   M1
000938  41 10 D 110              LA    1,  272( 0,13)
00093C  58 F0 D 3E0              L    15,  992( 0,13)   LSHIF
000940  05 EF                   BALR  14,15
000942  47 00 0 087              BC    0,  135( 0, 0)
000946  40 00 D 424              STH   0, 1060( 0,13)   .TOL
00094A  40 00 D 31C              STH   0,  796( 0,13)   TRUTH
00094E  47 F0 C 430              BC   15, 1072( 0,12)   E80
000952  48 00 D 31C        533   LH    0,  796( 0,13)   TRUTH
000956  12 00                   LTR   0, 0
000958  47 40 C 430              BC    4, 1072( 0,12)   E80
00095C  41 10 D 118    100025    LA    1,  280( 0,13)
000960  58 F0 D 3C4              L    15,  964( 0,13)   DCIF
000964  05 EF                   BALR  14,15
000966  47 00 0 08C              BC    0,  140( 0, 0)
00096A  47 F0 C 430              BC   15, 1072( 0,12)   E80
00096E  41 10 D 120       7712   LA    1,  288( 0,13)
000972  58 F0 D 3E4              L    15,  996( 0,13)   DOCALC
000976  05 EF                   BALR  14,15
000978  47 00 0 08F              BC    0,  143( 0, 0)
00097C  47 F0 C 430              BC   15, 1072( 0,12)   E80
000980  48 20 D 30C       7704   LH    2,  780( 0,13)   IHIND
000984  5A 20 D 184              A     2,  436( 0,13)   1
000988  40 20 D 30C              STH   2,  780( 0,13)   IHIND
00098C  89 20 0 001              SLL   2,    1( 0, 0)
000990  58 F0 D 39C              L    15,  924( 0,13)
000994  48 02 F 000              LH    0,    0( 2,15)   HEXTAB
000998  40 00 D 328              STH   0,  808( 0,13)   HEXTB2
00099C  47 F0 D 988              BC   15, 2440( 0,13)   7713
0009A0  48 20 D 328       7703   LH    2,  808( 0,13)   HEXTB2
0009A4  89 20 0 001              SLL   2,    1( 0, 0)
0009A8  48 02 9 120              LH    0,  288( 2, 9)   ACAL
0009AC  40 00 D 328              STH   0,  808( 0,13)   HEXTB2
0009B0  58 F0 D 38C       7713   L    15,  908( 0,13)
0009B4  48 00 F 046              LH    0,   70( 0,15)   NTIME
0009B8  4A 00 D 328              AH    0,  808( 0,13)   HEXTB2
0009BC  40 00 F 046              STH   0,   70( 0,15)   NTIME
0009C0  47 F0 C 430              BC   15, 1072( 0,12)   E80
0009C4  48 30 D 31A       7708   LH    3,  794( 0,13)   SUBIQ
0009C8  5A 30 D 184              A     3,  436( 0,13)   1
0009CC  40 30 D 31A              STH   3,  794( 0,13)   SUBIQ
0009D0  89 30 0 001              SLL   3,    1( 0, 0)
0009D4  48 00 D 326              LH    0,  806( 0,13)   HEXTB1
0009D8  40 03 D 35A              STH   0,  858( 3,13)   SUBTY
0009DC  48 00 D 30C              LH    0,  780( 0,13)   IHIND
0009E0  40 03 D 352              STH   0,  850( 3,13)   SUBX
0009E4  48 30 D 31A              LH    3,  794( 0,13)   SUBIQ
0009E8  89 30 0 002              SLL   3,    2( 0, 0)
0009EC  58 F0 D 38C              L    15,  908( 0,13)
0009F0  48 00 F 046              LH    0,   70( 0,15)   NTIME
0009F4  50 03 D 360              ST    0,  864( 3,13)   RETIM
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000C9F8  48 30 D 328          LH    3, 808( 0,13)    HEXTB2
000C9FC  89 30 0 001          SLL   3,   1( 0, 0)
000CA00  58 F0 D 3A4          L    15, 932( 0,13)
000A04   48 03 F 002          LH    0,   2( 3,15)    HEXIND
000CA08  40 00 D 30C          STH   0, 780( 0,13)    IHIND
000A0C   48 00 D 328          LH    0, 808( 0,13)    HEXTB2
000CA10  59 00 D 1DC          C     0, 476( 0,13)    0
000CA14  47 60 C 430          BC    6,1072( 0,12)    E80
000A18   48 00 D 32E   100026 LH    0, 814( 0,13)    MPOSET
000A1C   12 00                LTR   0, 0
000CA1E  47 90 D A2A          BC    9,2602( 0,13)    8C05
000A22   48 30 9 122   100027 LH    3, 290( 0, 9)    ACAL
000A26   40 30 D 400          STH   3,1024( 0,13)    .C03
000A2A   12 33                LTR   3, 3
000A2C   47 90 C 430          BC    9,1072( 0,12)    E80
000A30   13 33         100028 LCR   3, 3
000A32   5A 30 D 1BC          A     3, 444( 0,13)    3
000CA36  40 30 9 122          STH   3, 290( 0, 9)    ACAL
000A3A   48 30 9 122          LH    3, 290( 0, 9)    ACAL
000A3E   59 30 D 1B8          C     3, 440( 0,13)    2
000CA42  47 90 C 430          BC    9,1072( 0,12)    E80
000A46   41 00 0 002   100029 LA    0,   2( 0, 0)    2
000A4A   40 00 D 310          STH   0, 784( 0,13)    ISFLG
000A4E   47 F0 C 438          BC   15,1080( 0,12)    E88
000CA52  48 30 9 068     8005 LH    3, 104( 0, 9)    PCFBFR
000A56   4A 30 9 06A          AH    3, 106( 0, 9)
000CA5A  4A 30 9 06C          AH    3, 108( 0, 9)
000A5E   4A 30 9 06E          AH    3, 110( 0, 9)
000A62   40 30 D 2F2          STH   3, 754( 0,13)    K
000CA66  41 10 D 128          LA    1, 296( 0,13)
000A6A   58 F0 D 3D8          L    15, 984( 0,13)    FLT16
000A6E   05 EF                BALR 14,15
000A70   47 00 0 0AE          BC    0, 174( 0, 0)
000A74   70 00 D 428          STE   0,1064( 0,13)    .T02
000A78   70 00 9 0D2          STE   0, 210( 0, 9)    ZCAL
000A7C   41 00 9 C74          LA    0, 116( 0, 9)    PCFBFR
000A80   50 00 D 0EC          ST    0, 236( 0,13)
000A84   92 80 D 0EC          MVI   8, 236( 0,13)
000A88   41 10 D 0EC          LA    1, 236( 0,13)
000A8C   58 F0 D 3D8          L    15, 984( 0,13)    FLT16
000CA90  05 EF                BALR 14,15
000A92   47 00 0 0AF          BC    0, 175( 0, 0)
000A96   70 00 D 42C          STE   0,1068( 0,13)    .T03
000A9A   41 00 9 C76          LA    0, 118( 0, 9)    PCFBFR
000CA9E  50 00 D 0EC          ST    0, 236( 0,13)
000AA2   92 80 D 0EC          MVI   8, 236( 0,13)
000AA6   41 10 D 0EC          LA    1, 236( 0,13)
000AAA   58 F0 D 3D8          L    15, 984( 0,13)    FLT16
000CAAE  05 EF                BALR 14,15
000AB0   47 00 0 080          BC    0, 176( 0, 0)
000AB4   70 00 D 430          STE   0,1072( 0,13)    .T04
000AB8   78 40 D 288          LE    4, 696( 0,13)    42140C00
000ABC   70 40 D 430          DE    4,1072( 0,13)    .T04
000AC0   70 40 D 348          STE   4, 840( 0,13)    XXT1
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000AC4  78 60 9 0D2            LE    6, 210( 0, 9)                ZCAL
000AC8  7D 60 D 2AC            DE    6, 684( 0,13)          414C0C00
000ACC  7C 60 D 2B4            ME    6, 692( 0,13)          41AC0C00
000AD0  3C 64                  MER   6, 4
000AD2  78 20 D 42C            LE    2,1068( 0,13)                .103
000AD6  7C 20 D 2AC            ME    2, 684( 0,13)          414C0C00
000ADA  7A 20 D 2A0            AE    2, 672( 0,13)          411C0C00
000ADE  3C 26                  MER   2, 6
000AE0  70 20 9 0D6            STE   2, 214( 0, 9)                ZCAL
000AE4  78 20 9 0D6            LE    2, 214( 0, 9)                ZCAL
000AE8  7C 20 9 102            ME    2, 258( 0, 9)
000AEC  70 20 D 2D8            CE    2, 728( 0,13)          431E0C00
000AF0  70 20 9 0DA            STE   2, 218( 0, 9)                ZCAL
000AF4  78 20 D 2E4            LE    2, 740( 0,13)          4312CC00
000AF8  78 20 9 0DA            SE    2, 218( 0, 9)
000AFC  7C 40 D 2A4            ME    4, 676( 0,13)          41200C00
000B00  3B 24                  SER   2, 4
000B02  78 20 D 28C            SE    2, 700( 0,13)          42170C00
000B06  70 20 D 340            STE   2, 832( 0,13)                XXTC
000B0A  41 00 0 000            LA    0,   0( 0, 0)                   0
000B0E  40 00 9 122            STH   0, 290( 0, 9)                ACAL
000B12  41 00 0 096            LA    0, 150( 0, 0)                  96
000B16  40 00 D 2F2            STH   0, 754( 0,13)                   K
000B1A  79 20 D 2A8            CE    2, 680( 0,13)          41300C00
000B1E  47 80 D B0A            BC   11,2826( 0,13)                8010
000B22  41 00 0 00D   100030   LA    0,  13( 0, 0)                   D
000B26  58 F0 D 38C            L    15, 908( 0,13)
000B2A  40 00 F 006            STH   0,   6( 0,15)                PMSGN
000B2E  47 F0 D 846            BC   15,2886( 0,13)                8020
000B32  78 00 D 340       8010 LE    0, 832( 0,13)                XXTC
000B36  78 00 D 2E8            SE    0, 744( 0,13)          42980C00
000B3A  70 00 D 344            STE   0, 836( 0,13)                XXTD
000B3E  78 00 D 340            LE    0, 832( 0,13)                XXTC
000B42  79 00 D 2EC            CE    0, 748( 0,13)          42950C00
000B46  47 80 D B46            BC   11,2886( 0,13)                8020
000B4A  41 00 0 002   100031   LA    0,   2( 0, 0)                   2
000B4E  40 00 9 122            STH   0, 290( 0, 9)                ACAL
000B52  41 00 0 12C            LA    0, 300( 0, 0)                 12C
000B56  40 00 D 2F2            STH   0, 754( 0,13)                   K
000B5A  78 00 D 340            LE    0, 832( 0,13)                XXTC
000B5E  70 00 D 344            STE   0, 836( 0,13)                XXTD
000B62  41 00 0 00E            LA    0,  14( 0, 0)                   E
000B66  58 F0 D 38C            L    15, 908( 0,13)
000B6A  40 00 F 006            STH   0,   6( 0,15)                PMSGN
000B6E  58 F0 D 38C       8020 L    15, 908( 0,13)
000B72  48 00 F 006            LH    0,   6( 0,15)                PMSGN
000B76  12 00                  LTR   0, 0
000B78  47 90 D B88            BC    9,3000( 0,13)                8030
000B7C  41 00 0 000   100032   LA    0,   0( 0, 0)                   0
000B80  58 F0 D 38C            L    15, 908( 0,13)
000BE4  40 00 F 008            STH   0,   8( 0,15)                PBLKI
000B88  58 F0 D 3AC            L    15, 940( 0,13)
000B8C  41 00 F 006            LA    0,   6( 0,15)                BOUTI
000B90  50 00 D 0EC            ST    0, 236( 0,13)
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000B94  92 80 D 0EC                MVI   8, 236( 0,13)
000B98  41 10 D 0EC                LA    1, 236( 0,13)
000B9C  58 F0 D 3F4                L     15,1012( 0,13)          PHEADR
000BA0  05 EF                      BALR  14,15
000BA2  47 00 0 0C6                BC    0, 198( 0, 0)
000BA6  58 F0 D 3AC                L     15, 940( 0,13)
000BAA  41 00 F 006                LA    0,   6( 0,15)          BOOT1
000BAE  50 00 D 0EC                ST    0, 236( 0,13)
000BB2  92 80 D 0EC                MVI   8, 236( 0,13)
000BB6  41 10 D 0EC                LA    1, 236( 0,13)
000BBA  58 F0 D 3F0                L     15,1008( 0,13)          MSOLT1
000BBE  05 EF                      BALR  14,15
000BC0  47 00 0 0C7                BC    0, 199( 0, 0)
000BC4  58 F0 D 38C                L     15, 908( 0,13)
000BC8  48 00 F 006                LH    0,   6( 0,15)          PMSGN
000BCC  59 00 D 1E4                C     0, 484( 0,13)          D
000BD0  47 90 D C30                BC    9,3120( 0,13)          8C37
000BD4  41 00 0 000       100033   LA    0,   0( 0, 0)          0
000BD8  58 F0 D 38C                L     15, 908( 0,13)
000BDC  40 00 F 006                STH   0,   6( 0,15)          PMSGN
000BE0  41 00 9 08A          8030  LA    0, 218( 0, 9)          ZCAL
000BE4  50 0C D 0EC                ST    0, 236( 0,13)
000BE8  92 80 D 0EC                MVI   8, 236( 0,13)
000BEC  41 10 D 0EC                LA    1, 236( 0,13)
000BF0  58 F0 D 3DC                L     15, 988( 0,13)          INT16
000BF4  05 EF                      BALR  14,15
000BF6  47 00 0 0CC                BC    0, 204( 0, 0)
000BFA  40 00 D 42C                STH   0,1068( 0,13)          .I03
000BFE  40 00 9 12E                STH   0, 302( 0, 9)          ACAL
000C02  41 10 D 12C                LA    1, 300( 0,13)
000C06  58 F0 D 3DC                L     15, 988( 0,13)          INT16
000C0A  05 EF                      BALR  14,15
000C0C  47 00 0 0CD                BC    0, 205( 0, 0)
000C10  40 00 D 430                STH   0,1072( 0,13)          .I04
000C14  40 00 9 130                STH   0, 304( 0, 9)          ACAL
000C18  41 10 D 130                LA    1, 304( 0,13)
000C1C  58 F0 D 3DC                L     15, 988( 0,13)          INT16
000C20  05 EF                      BALR  14,15
000C22  47 00 0 0CE                BC    0, 206( 0, 0)
000C26  40 00 D 434                STH   0,1076( 0,13)          .I05
000C2A  40 00 9 132                STH   0, 306( 0, 9)          ACAL
000C2E  48 30 D 2F2                LH    3, 754( 0,13)          K
000C32  48 30 9 12E                SH    3, 302( 0, 9)
000C36  48 30 9 130                SH    3, 304( 0, 9)
000C3A  48 50 9 132                LH    5, 306( 0, 9)
000C3E  5C 40 D 1B8                M     4, 440( 0,13)          2
000C42  1B 35                      SR    3, 5
000C44  58 30 D 1F4                S     3, 500( 0,13)          17
000C48  40 30 9 134                STH   3, 308( 0, 9)          ACAL
000C4C  41 00 0 001                LA    0,   1( 0, 0)          1
000C50  40 00 D 32E                STH   0, 814( 0,13)          MPOSET
000C54  47 F0 C 430                BC    15,1072( 0,12)         E80
000C58  41 00 0 000          8037  LA    0,   0( 0, 0)          0
000C5C  58 F0 D 38C                L     15, 908( 0,13)
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000C60  40 00 F 006            STH   0,    6( 0,15)          PMSGN
000C64  58 00 D 1B4            L     0, 436( 0,13)             1
000C68  13 00                  LCR   0, 0
000C6A  40 00 F 000            STH   0,    0( 0,15)          FOSEL
000C6E  47 F0 C 4BE            BC   15,1214( 0,12)           S99
000C72  48 30 D 30C      7707  LH    3, 780( 0,13)           IHIND
000C76  5A 30 D 1B4            A     3, 436( 0,13)             1
000C7A  40 30 D 30C            STH   3, 780( 0,13)           IHIND
000C7E  89 30 0 001            SLL   3,    1( 0, 0)
000C82  50 30 D 40C            ST    3,1036( 0,13)          .Q06
000C86  58 F0 D 39C            L    15, 924( 0,13)
000C8A  48 03 F 000            LH    0,    0( 3,15)          HEXIAB
000C8E  40 00 D 32C            STH   0, 812( 0,13)           LWORK1
000C92  12 00                  LTR   0, 0
000C94  47 B0 D C9C            BC   11,3228( 0,13)           171
000C98  48 00 D 328    100034  LH    0, 808( 0,13)           HEXTB2
000C9C  59 00 D 1D4            C     0, 468( 0,13)             9
000CA0  47 90 D C9C            BC    9,3228( 0,13)           171
000CA4  41 10 D 134    100035  LA    1, 308( 0,13)
000CA8  58 F0 D 3C8            L    15, 968( 0,13)           IAND
000CAC  05 EF                  BALR 14,15
000CAE  47 00 0 0DD            BC    0, 221( 0, 0)
000CB2  40 00 D 438            STH   0,1080( 0,13)          .T06
000CB6  18 30                  LR    3, 0
000CB8  89 30 0 0C1            SLL   3,   11( 0, 0)
000CBC  48 03 9 000            LH    0,    0( 3, 9)          PCFBFR
000CC0  40 00 D 32C            STH   0, 812( 0,13)           LWORK1
000CC4  41 10 D 13C      171   LA    1, 316( 0,13)
000CC8  58 F0 D 3D8            L    15, 984( 0,13)           FLT16
000CCC  05 EF                  BALR 14,15
000CCE  47 00 0 0E0            BC    0, 224( 0, 0)
000CD2  70 00 D 43C            STE   0,1084( 0,13)          .T07
000CD6  70 00 D 350            STE   0, 848( 0,13)          XTEMP
000CDA  48 F0 D 328            LH   15, 808( 0,13)          HEXTB2
000CDE  41 E0 0 010            LA   14,   16( 0, 0)
000CE2  15 FE                  CLR  15,14
000CE4  89 F0 0 002            SLL  15,    2( 0, 0)
000CE8  47 20 D CCA            BC    2,3274( 0,13)
000CEC  58 EF D 090            L    14, 144(15,13)           144
000CF0  07 FE                  BCR  15,14
000CF2  78 00 D 350      8801  LE    0, 848( 0,13)           XTEMP
000CF6  70 00 9 10A            STE   0, 266( 0, 9)           ZCAL
000CFA  48 30 9 C64            LH    3, 100( 0, 9)           PCFBFR
000CFE  40 30 D 404            STH   3,1028( 0,13)          .Q04
000D02  59 30 D 1B4            C     3, 436( 0,13)             1
000D06  47 60 D CEA            BC    6,3306( 0,13)          D  < $/<
000D0A  78 00 D 2A4    100037  LE    0, 676( 0,13)          412C0C00
000D0E  70 00 9 10A            STE   0, 266( 0, 9)           ZCAL
000D12  48 00 D 404    100038  LH    0,1028( 0,13)          .Q04
000D16  59 00 D 1BC            C     0, 444( 0,13)             3
000D1A  47 60 D D02            BC    6,3330( 0,13)          D  < $S<
000D1E  78 20 D 280    100039  LE    2, 688( 0,13)          415C0C00
000D22  70 20 9 10A            STE   2, 266( 0, 9)
000D26  70 20 9 10A            STE   2, 266( 0, 9)           ZCAL
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000D2A  48 00 D 404        100040  LH     0,1028( 0,13)          .004
000D2E  59 00 D 1C0                C      0, 448( 0,13)             4
000D32  47 60 D D16                BC     6,3350( 0,13)    D  M $S<
000D36  78 00 D 2A8        100041  LE     0, 680( 0,13)    413C0C00
000D3A  70 00 9 10A                STE    0, 266( 0, 9)       ZCAL
000D3E  41 00 0 001        100042  LA     0,   1( 0, 0)          1
000D42  40 00 9 128                STH    0, 296( 0, 9)       ACAL
000D46  78 20 9 10A                LE     2, 266( 0, 9)       ZCAL
000D4A  79 20 D 2A4                CE     2, 676( 0,13)    412C0C00
000D4E  47 90 D D32                BC     9,3378( 0,13)    D  D $;U
000D52  41 00 0 002        100043  LA     0,   2( 0, 0)          2
000D56  40 00 9 128                STH    0, 296( 0, 9)       ACAL
000D5A  47 F0 D D96        100044  BC    15,3478( 0,13)       8820
000D5E  78 00 D 350          8802  LE     0, 848( 0,13)       XTEMP
000D62  79 00 D 2D4                CE     0, 724( 0,13)    431$0C00
000D66  47 60 D D4A                BC     6,3402( 0,13)    D  Q $Q%
000D6A  78 00 D 2D0        100045  LE     0, 720( 0,13)    4317CC00
000D6E  70 00 D 350                STE    0, 848( 0,13)       XTEMP
000D72  78 00 D 350        100046  LE     0, 848( 0,13)       XTEMP
000D76  70 00 9 102                STE    0, 258( 0, 9)       ZCAL
000D7A  48 30 9 066                LH     3, 102( 0, 9)     PCFBFR
000D7E  40 30 D 408                STH    3,1032( 0,13)         .005
000D82  59 30 D 1B4                C      3, 436( 0,13)          1
000D86  47 60 D D6A                BC     6,3434( 0,13)    D  < $T@
000D8A  78 00 D 2D0        100047  LE     0, 720( 0,13)    4317CCC0
000D8E  70 00 9 102                STE    0, 258( 0, 9)       ZCAL
000D92  48 00 D 408        100048  LH     0,1032( 0,13)         .005
000D96  59 00 D 1BC                C      0, 444( 0,13)          3
000D9A  47 60 D D82                BC     6,3458( 0,13)    D  < $S%
000D9E  78 20 D 2DC        100049  LE     2, 732( 0,13)    4335CC00
000DA2  78 20 9 102                SE     2, 258( 0, 9)
000DA6  70 20 9 102                STE    2, 258( 0, 9)       ZCAL
000DAA  48 00 D 408        100050  LH     0,1032( 0,13)         .005
000DAE  59 00 D 1C0                C      0, 448( 0,13)          4
000DB2  47 60 D D96                BC     6,3478( 0,13)       8820
000DB6  78 00 D 2D8        100051  LE     0, 728( 0,13)    431E0C00
000DBA  70 00 9 102                STE    0, 258( 0, 9)       ZCAL
000DBE  41 00 0 002          8820  LA     0,   2( 0, 0)          2
000DC2  40 00 9 122                STH    0, 290( 0, 9)       ACAL
000DC6  41 00 0 000                LA     0,   0( 0, 0)          0
000DCA  40 00 D 32E                STH    0, 814( 0,13)     MPDSET
000DCE  40 00 D 32C                STH    0, 812( 0,13)     LWORK1
000DD2  47 F0 D E78                BC    15,3704( 0,13)       8811
000DD6  47 F0 C 430          8804  BC    15,1072( 0,12)        680
000DDA  41 00 9 040          8805  LA     0,  64( 0, 9)     PCFBFR
000DDE  50 00 D 0EC                ST     0, 236( 0,13)
000DE2  92 80 D 0EC                MVI    8, 236( 0,13)
000DE6  41 10 D 0EC                LA     1, 236( 0,13)
000DEA  58 F0 D 308                L     15, 984( 0,13)      FLT16
000DEE  05 EF                      BALR  14,15
000DF0  47 00 C 101                BC     0, 257( 0, C)
000DF4  70 00 D 440                STE    0,1088( 0,13)         .T08
000DF8  78 20 D 350                LE     2, 848( 0,13)       XTEMP
000DFC  7C 20 D 440                ME     2,1088( 0,13)         .T08
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000E00  70 20 D 2C0          DE    2, 704( 0,13)          42640000
000E04  70 20 9 116          STE   2, 278( 0, 9)          ZCAL
000E08  47 F0 C 430          BC   15,1072( 0,12)          E80
000E0C  41 00 9 042   8806   LA    0,  66( 0, 9)          PCFBFR
000E10  50 00 D 0EC          ST    0, 236( 0,13)
000E14  92 80 D 0EC          MVI   8, 236( 0,13)
000E18  41 10 D 0EC          LA    1, 236( 0,13)
000E1C  58 F0 D 3D8          L     15, 984( 0,13)         FLT16
000E20  05 EF                BALR  14,15
000E22  47 00 0 104          BC    0, 260( 0, 0)
000E26  70 00 D 440          STE   0,1088( 0,13)          .T08
000E2A  78 20 D 350          LE    2, 848( 0,13)          XTEMP
000E2E  7C 20 D 440          ME    2,1088( 0,13)          .T08
000E32  70 20 D 2E0          DE    2, 736( 0,13)          433E8000
000E36  70 20 9 11A          STE   2, 282( 0, 9)          ZCAL
000E3A  47 F0 C 430          BC   15,1072( 0,12)          E80
000E3E  48 00 D 32C   8807   LH    0, 812( 0,13)          LWORK1
000E42  40 00 9 12A          STH   0, 298( 0, 9)          ACAL
000E46  47 F0 C 430          BC   15,1072( 0,12)          E80
000E4A  48 00 D 32C   8808   LH    0, 812( 0,13)          LWORK1
000E4E  40 00 9 124          STH   0, 292( 0, 9)          ACAL
000E52  47 F0 C 430          BC   15,1072( 0,12)          E80
000E56  58 E0 D 40C   8809   L     14,1036( 0,13)         .Q06
000E5A  58 F0 D 39C          L     15, 924( 0,13)
000E5E  41 0E F 000          LA    0,    0(14,15)         HEXTAB
000E62  50 00 D 140          ST    0, 320( 0,13)
000E66  41 00 9 09E          LA    0, 158( 0, 9)          PCFBFR
000E6A  50 00 D 144          ST    0, 324( 0,13)
000E6E  41 00 9 0A0          LA    0, 160( 0, 9)          PCFBFR
000E72  50 00 D 148          ST    0, 328( 0,13)
000E76  92 80 D 148          MVI   8, 328( 0,13)
000E7A  41 10 D 140          LA    1, 320( 0,13)
000E7E  58 F0 D 3E8          L     15,1000( 0,13)         EXTRCT
000E82  05 EF                BALR  14,15
000E84  47 00 0 10D          BC    0, 269( 0, 0)
000E88  47 F0 C 430          BC   15,1072( 0,12)          E80
000E8C  48 20 9 09A   8810   LH    2, 154( 0, 9)          PCFBFR
000E90  40 20 9 09E          STH   2, 158( 0, 9)          PCFBFR
000E94  48 20 9 09C          LH    2, 156( 0, 9)          PCFBFR
000E98  40 20 9 0A0          STH   2, 160( 0, 9)          PCFBFR
000E9C  47 F0 C 430          BC   15,1072( 0,12)          E80
000EA0  48 00 D 32C   8811   LH    0, 812( 0,13)          LWORK1
000EA4  12 00                LTR   0, 0
000EA6  47 60 D E9E          BC    6,3742( 0,13)          E41
000EAA  41 00 0 001   100052 LA    0,    1( 0, 0)         1
000EAE  40 00 D 32C          STH   0, 812( 0,13)          LWORK1
000EB2  78 20 9 10A          LE    2, 266( 0, 9)          ZCAL
000EB6  79 20 D 2A8          CE    2, 680( 0,13)          413C0C00
000EBA  47 60 D E9E          BC    6,3742( 0,13)          E41
000EBE  41 00 0 002   100053 LA    0,    2( 0, 0)         2
000EC2  40 00 D 32C          STH   0, 812( 0,13)          LWORK1
000EC6  48 00 D 32C   641    LH    0, 812( 0,13)          LWORK1
000ECA  40 00 9 128          STH   0, 296( 0, 9)          ACAL
000ECE  47 F0 C 430          BC   15,1072( 0,12)          E80
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000ED2  41 00 9 004          8813  LA     0,    4( 0, 9)          PCFBFR
000ED6  50 00 D 0EC                ST     0, 236( 0,13)
000EDA  92 80 D 0EC                MVI    8, 236( 0,13)
000EDE  41 10 D 0EC                LA     1, 236( 0,13)
000EE2  58 F0 D 3D8                L     15, 984( 0,13)          FLT16
000EE6  05 EF                      BALR  14,15
000EE8  47 00 0 11E                BC     0, 286( 0, 0)
000EEC  70 00 D 440                STE    0,1088( 0,13)          .T08
000EF0  78 20 D 440                LE     2,1088( 0,13)          .T08
000EF4  7D 20 D 2AC                DE     2, 684( 0,13)          41400000
000EF8  70 20 9 116                STE    2, 278( 0, 9)          ZCAL
000EFC  41 00 9 006                LA     0,    6( 0, 9)          PCFBFR
000F00  50 00 D 0EC                ST     0, 236( 0,13)
000F04  92 80 D 0EC                MVI    8, 236( 0,13)
000F08  41 10 D 0EC                LA     1, 236( 0,13)
000F0C  58 F0 D 3D8                L     15, 984( 0,13)          FLT16
000F10  05 EF                      BALR  14,15
000F12  47 00 0 11F                BC     0, 287( 0, 0)
000F16  70 00 D 440                STE    0,1088( 0,13)          .T08
000F1A  78 20 D 440                LE     2,1088( 0,13)          .T08
000F1E  7D 20 D 2B4                DE     2, 692( 0,13)          41A00000
000F22  70 20 9 11A                STE    2, 282( 0, 9)          ZCAL
000F26  47 F0 C 430                BC    15,1072( 0,12)          E80
000F2A  48 00 D 32C          8814  LH     0, 812( 0,13)          LWORK1
000F2E  40 00 D 304                STH    0, 772( 0,13)          PURE
000F32  47 F0 C 430                BC    15,1072( 0,12)          E80
000F36  48 00 D 32C          8815  LH     0, 812( 0,13)          LWORK1
000F3A  40 00 9 12C                STH    0, 300( 0, 9)          ACAL
000F3E  47 F0 C 430                BC    15,1072( 0,12)          E80
000F42  48 20 D 32C          8816  LH     2, 812( 0,13)          LWORK1
000F46  5A 20 D 1B4                A      2, 436( 0,13)          1
000F4A  58 F0 D 38C                L     15, 908( 0,13)
000F4E  40 20 F 048                STH    2,   72( 0,15)          ROUTIX
000F52  47 F0 C 430                BC    15,1072( 0,12)          E80
000F56  48 30 D 326          7701  LH     3, 806( 0,13)          HEXTB1
000F5A  5A 30 D 1B4                A      3, 436( 0,13)          1
000F5E  40 30 D 308                STH    3, 776( 0,13)          CXIND
000F62  48 00 D 328                LH     0, 808( 0,13)          HEXTB2
000F66  40 00 D 306                STH    0, 774( 0,13)          TEMP
000F6A  59 30 D 260                C      3, 608( 0,13)          78
000F6E  47 20 D F7C                BC     2,3964( 0,13)          9
000F72  41 00 0 001        100054  LA     0,    1( 0, 0)          1
000F76  40 00 D 310                STH    0, 784( 0,13)          ISFLG
000F7A  58 E0 D 3FC                L     14,1020( 0,13)          .C02
000F7E  58 F0 D 39C                L     15, 924( 0,13)
000F82  41 0E F C00                LA     0,    0(14,15)          HEXTAB
000F86  50 00 D 0FC                ST     0, 252( 0,13)
000F8A  41 10 D 0FC                LA     1, 252( 0,13)
000F8E  58 F0 D 3C8                L     15, 968( 0,13)          IAND
000F92  05 EF                      BALR  14,15
000F94  47 00 0 130                BC     0, 304( 0, 0)
000F98  40 00 D 440                STH    0,1088( 0,13)          .IC8
000F9C  40 00 D 30A                STH    0, 778( 0,13)          IDATA
000FA0  47 F0 D FCE                BC    15,4046( 0,13)          100
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000FA4  48 00 D 308          9  LH     0, 776( 0,13)          CXIND
000FA8  59 00 D 26C             C      0, 620( 0,13)             81
000FAC  47 40 C 430             BC     4,1072( 0,12)            E80
000FB0  48 00 D 308     200001  LH     0, 776( 0,13)          CXIND
000FB4  59 00 D 280             C      0, 640( 0,13)             F8
000FB8  47 20 C 430             BC     2,1072( 0,12)            E80
000FBC  41 00 0 001     100055  LA     0,   1( 0, 0)              1
000FC0  40 00 D 310             STH    0, 784( 0,13)         ISFLG
000FC4  48 30 D 308             LH     3, 776( 0,13)          CXIND
000FC8  5B 30 D 268             S      3, 616( 0,13)             B0
000FCC  40 30 D 308             STH    3, 776( 0,13)          CXIND
000FD0  48 30 D 328             LH     3, 808( 0,13)         HEXTB2
000FD4  89 30 0 001             SLL    3,   1( 0, 0)
000FD8  41 33 9 000             LA     3,   0( 3, 9)         PCFBFR
000FDC  50 30 D 0FC             ST     3, 252( 0,13)
000FE0  41 10 D 0FC             LA     1, 252( 0,13)
000FE4  58 F0 D 3C8             L     15, 968( 0,13)          IAND
000FE8  05 EF                   BALR  14,15
000FEA  47 00 0 137             BC     0, 311( 0, 0)
000FEE  40 00 D 444             STH    0,1092( 0,13)          .T09
000FF2  40 00 D 30A             STH    0, 778( 0,13)         IDATA
000FF6  48 50 D 308         100 LH     5, 776( 0,13)          CXIND
000FFA  5C 40 D 1C8             M      4, 456( 0,13)              6
000FFE  58 F0 D 394             L     15, 916( 0,13)
001002  41 55 F 002             LA     5,   2( 5,15)         CONTAB
001006  50 50 D 14C             ST     5, 332( 0,13)
00100A  41 10 D 14C             LA     1, 332( 0,13)
00100E  58 F0 D 3EC             L     15,1004( 0,13)         GETCMD
001012  05 EF                   BALR  14,15
001014  47 00 0 139             BC     0, 313( 0, 0)
001018  48 00 D 304             LH     0, 772( 0,13)           PURE
00101C  59 00 D 184             C      0, 436( 0,13)              1
001020  47 90 C 122             BC     9, 290( 0,12)            104
001024  48 00 D 306     100056  LH     0, 774( 0,13)           TEMP
001028  59 00 D 1D0             C      0, 464( 0,13)              8
00102C  47 60 C 04A             BC     6,  74( 0,12)            102
001030  48 30 D 312     100057  LH     3, 786( 0,13)          TTEMP
001034  89 30 0 001             SLL    3,   1( 0, 0)
001038  48 50 D 30A             LH     5, 778( 0,13)         IDATA
00103C  4C 53 9 032             MH     5,  50( 3, 9)
001040  18 45                   LR     4, 5
001042  8E 40 0 020             SRDA   4,  32( 0, 0)
001046  5D 40 D 1D8             D      4, 472( 0,13)              A
00104A  40 50 D 30A             STH    5, 778( 0,13)         IDATA
00104E  48 00 D 308             LH     0, 776( 0,13)          CXIND
001052  59 00 D 21C             C      0, 540( 0,13)             30
001056  47 60 C 0F6             BC     6, 246( 0,12)            103
00105A  48 00 D 30A     100058  LH     0, 778( 0,13)         IDATA
00105E  59 00 D 1EC             C      0, 492( 0,13)              F
001062  47 D0 C 046             BC    13,  70( 0,12)          D  D  $I@
001066  41 00 0 00F     100059  LA     0,  15( 0, 0)              F
00106A  40 00 D 30A             STH    0, 778( 0,13)         IDATA
00106E  47 F0 C 0F6     100060  BC    15, 246( 0,12)            103
001072  48 00 D 306         102 LH     0, 774( 0,13)           TEMP
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001076  59 00 D 104          C     0, 468( 0,13)                    9
00107A  47 60 C 0A0          BC    6, 160( 0,12)                  101
00107E  58 50 D 264  100061  L     5, 612( 0,13)                   7F
001082  48 50 D 30A          SH    5, 778( 0,13)                IDATA
001086  48 30 D 312          LH    3, 786( 0,13)                ITEMP
00108A  89 30 0 001          SLL   3,   1( 0, 0)
C0108E  4C 53 9 032          MH    5,  50( 3, 9)
001092  18 45               LR    4, 5
001094  8E 40 0 020          SRDA  4,  32( 0, 0)
001098  50 40 D 108          D     4, 472( 0,13)                    A
C010SC  13 55               LCR   5, 5
C0109E  5A 50 D 264          A     5, 612( 0,13)                   7F
0010A2  40 50 D 30A          STH   5, 778( 0,13)                IDATA
0010A6  12 55               LTR   5, 5
0010A8  47 20 C 08C          BC    2, 140( 0,12)          D  < $H8
C010AC  41 00 0 000  100062  LA    0,   0( 0, 0)                   0
0010B0  40 00 D 30A          STH   0, 778( 0,13)                IDATA
0010B4  48 00 D 30A  100063  LH    0, 778( 0,13)                IDATA
0010B8  59 00 D 264          C     0, 612( 0,13)                   7F
0010BC  47 40 C 0A0          BC    4, 160( 0,12)                  101
C010C0  41 00 0 07F  100064  LA    0, 127( 0, 0)                   7F
0010C4  40 00 D 30A          STH   0, 778( 0,13)                IDATA
001UC8  48 00 D 306      101 LH    0, 774( 0,13)                TEMP
0010CC  59 00 D 1C0          C     0, 448( 0,13)                    4
0010D0  47 60 C 0F6          BC    6, 246( 0,12)                  103
0010D4  48 40 D 312  100065  LH    4, 786( 0,13)                ITEMP
0010D8  89 40 0 001          SLL   4,   1( 0, 0)
0010DC  48 34 9 032          LH    3,  50( 4, 9)              PCFBFR
0010E0  40 30 D 2F0          STH   3, 752( 0,13)                    I
0010E4  12 33               LTR   3, 3
0010E6  47 60 C 0CA          BC    6, 202( 0,12)          D  < $H8
0010EA  41 00 0 000  100066  LA    0,   0( 0, 0)                   0
0010EE  40 00 D 30A          STH   0, 778( 0,13)                IDATA
0010F2  48 00 D 2F0  100067  LH    0, 752( 0,13)                    I
0010F6  59 00 D 188          C     0, 440( 0,13)                    2
0010FA  47 60 C 0E2          BC    6, 226( 0,12)          D  < $H8
0010FE  58 30 D 1B4  100068  L     3, 436( 0,13)                    1
001102  48 30 D 30A          SH    3, 778( 0,13)                IDATA
001106  40 30 D 3CA          STH   3, 778( 0,13)                IDATA
00110A  48 00 D 2F0  100069  LH    0, 752( 0,13)                    I
00110E  59 00 D 1BC          C     0, 444( 0,13)                    3
001112  47 60 C 0F6          BC    6, 246( 0,12)                  103
001116  41 00 0 001  100070  LA    0,   1( 0, 0)                    1
00111A  40 00 D 30A          STH   0, 778( 0,13)                IDATA
00111E  48 00 D 306      103 LH    0, 774( 0,13)                TEMP
001122  59 00 D 1C8          C     0, 456( 0,13)                    6
001126  47 60 C 122          BC    6, 290( 0,12)                  104
00112A  48 40 D 312  100071  LH    4, 786( 0,13)                ITEMP
00112E  89 40 0 001          SLL   4,   1( 0, 0)
001132  48 34 9 032          LH    3,  50( 4, 9)              PCFBFR
001136  59 30 D 1B4          C     3, 436( 0,13)                    1
00113A  47 60 C 122          BC    6, 290( 0,12)                  104
00113E  58 30 D 1B4  100072  L     3, 436( 0,13)                    1
001142  48 30 D 30A          SH    3, 778( 0,13)                IDATA
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001146  40 30 D 30A             STH    3, 778( 0,13)          IDATA
00114A  48 00 D 2F8       104   LH     0, 760( 0,13)          REV
00114E  59 00 D 1D0             C      0, 464( 0,13)            8
001152  47 60 C 13C             BC     6, 316( 0,12)          ; GOY
001156  41 10 D 16C    100073   LA     1, 364( 0,13)
00115A  58 F0 D 3D4             L     15, 980( 0,13)          REV8
00115E  05 EF                   BALR  14,15
001160  47 00 0 150             BC     0, 349( 0, 0)
001164  48 30 D 2FC    100074   LH     3, 764( 0,13)          ILEN
001168  5A 30 D 184             A      3, 436( 0,13)            1
00116C  40 30 D 2FA             STH    3, 762( 0,13)          IEXP
001170  58 30 D 1EC             L      3, 492( 0,13)            F
001174  48 30 D 30E             SH     3, 782( 0,13)          ISBIT
001178  48 30 D 2FC             SH     3, 764( 0,13)          ILEN
00117C  40 30 D 2FE             STH    3, 766( 0,13)          ISHF
001180  41 10 D 174             LA     1, 372( 0,13)
001184  58 F0 D 3E0             L     15, 992( 0,13)          ISHIF
001188  05 EF                   BALR  14,15
00118A  47 00 0 160             BC     0, 352( 0, 0)
00118E  40 00 D 448             STH    0,1096( 0,13)            .T10
001192  40 00 D 30A             STH    0, 778( 0,13)          IDATA
001196  41 10 D 17C             LA     1, 380( 0,13)
00119A  58 F0 D 3CC             L     15, 972( 0,13)          IEOR
00119E  05 EF                   BALR  14,15
0011A0  47 00 0 161             BC     0, 353( 0, 0)
0011A4  40 00 D 44C             STH    0,1100( 0,13)            .T11
0011A8  40 00 D 314             STH    0, 788( 0,13)          MASKC
0011AC  41 10 D 1E4             LA     1, 388( 0,13)
0011B0  58 F0 D 3C8             L     15, 968( 0,13)          IAND
0011B4  05 EF                   BALR  14,15
0011B6  47 00 0 162             BC     0, 354( 0, 0)
0011BA  40 00 D 450             STH    0,1104( 0,13)            .T12
0011BE  40 00 D 30A             STH    0, 778( 0,13)          IDATA
0011C2  58 F0 D 38C      4299   L     15, 908( 0,13)
0011C6  48 00 F 046             LH     0,  70( 0,15)          NTIME
0011CA  12 00                   LTR    0, 0
0011CC  47 40 C 418             BC     4,1048( 0,12)            4390
0011D0  48 50 D 318    100075   LH     5, 792( 0,13)          RUNIX
0011D4  5C 40 D 1E0             M      4, 480( 0,13)            C
0011D8  58 F0 D 38C             L     15, 908( 0,13)
0011DC  48 30 F 046             LH     3,  70( 0,15)          NTIME
0011E0  48 35 A 002             SH     3,   2( 5,10)
0011E4  47 90 C 230             BC     9, 560( 0,12)            4330
0011E8  47 20 C 1F2             BC     2, 498( 0,12)            4320
0011EC  48 30 D 318      4310   LH     3, 792( 0,13)          RUNIX
0011F0  5C 20 D 1E0             M      2, 480( 0,13)            C
0011F4  48 03 A 00C             LH     0,  12( 3,10)          CXREG
0011F8  40 00 D 318             STH    0, 792( 0,13)          RUNIX
0011FC  18 50                   LR     5, 0
0011FE  5C 40 D 1E0             M      4, 480( 0,13)            C
001202  58 F0 D 38C             L     15, 908( 0,13)
0012C6  48 20 F 046             LH     2,  70( 0,15)          NTIME
0012CA  48 25 A 002             SH     2,   2( 5,10)
0012CE  47 40 C 1C4             BC     4, 452( 0,12)            4310
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001212  47 90 C 230            BC    9, 560( 0,12)          4330
001216  47 20 C 38A            BC    2, 954( 0,12)          4360
00121A  48 30 D 318     4320   LH    3, 792( 0,13)          RUNIX
00121E  5C 20 D 1E0            M     2, 480( 0,13)          C
001222  48 03 A 00A            LH    0,  10( 3,10)          CXREG
001226  40 00 D 318            STH   0, 792( 0,13)          RUNIX
00122A  18 50                  LR    5, 0
00122C  5C 40 D 1E0            M     4, 480( 0,13)          C
001230  58 F0 D 38C            L    15, 908( 0,13)
001234  48 20 F 046            LH    2,  70( 0,15)          NTIME
001238  4B 25 A 002            SH    2,   2( 5,10)
00123C  47 90 C 230            BC    9, 560( 0,12)          4330
001240  47 20 C 1F2            BC    2, 498( 0,12)          4320
001244  48 30 D 318     4325   LH    3, 792( 0,13)          RUNIX
001248  5C 20 D 1E0            M     2, 480( 0,13)          C
00124C  48 03 A 00C            LH    0,  12( 3,10)          CXREG
001250  40 00 D 318            STH   0, 792( 0,13)          RUNIX
001254  47 F0 C 38A            BC   15, 954( 0,12)          4360
001258  48 50 D 318     4330   LH    5, 792( 0,13)          RUNIX
00125C  5C 40 D 1E0            M     4, 480( 0,13)          C
001260  48 20 D 32A            LH    2, 810( 0,13)          LREGNO
001264  4B 25 A 004            SH    2,   4( 5,10)
001268  47 90 C 2C8            BC    9, 712( 0,12)          4350
00126C  47 20 C 28A            BC    2, 650( 0,12)          4340
001270  48 50 D 318     4335   LH    5, 792( 0,13)          RUNIX
001274  5C 40 D 1E0            M     4, 480( 0,13)          C
001278  48 05 A 00C            LH    0,  12( 5,10)          CXREG
00127C  40 00 D 318            STH   0, 792( 0,13)          RUNIX
001280  18 10                  LR    1, 0
001282  5C 00 D 1E0            M     0, 480( 0,13)          C
001286  50 10 D 410            ST    1,1040( 0,13)          .007
00128A  58 F0 D 38C            L    15, 908( 0,13)
00128E  48 00 F 046            LH    0,  70( 0,15)          NTIME
001292  49 01 A 002            CH    0,   2( 1,10)
001296  47 60 C 38A            BC    6, 954( 0,12)          4360
00129A  58 E0 D 410   100076   L    14,1040( 0,13)
00129E  48 30 D 32A            LH    3, 810( 0,13)          LREGNO
0012A2  4B 3E A 004            SH    3,   4(14,10)
0012A6  47 40 C 248            BC    4, 584( 0,12)          4335
0012AA  47 90 C 2C8            BC    9, 712( 0,12)          4350
0012AE  47 20 C 38A            BC    2, 954( 0,12)          4360
0012B2  48 50 D 318     4340   LH    5, 792( 0,13)          RUNIX
0012B6  5C 40 D 1E0            M     4, 480( 0,13)          C
0012BA  48 05 A 00A            LH    0,  10( 5,10)          CXREG
0012BE  40 00 D 318            STH   0, 792( 0,13)          RUNIX
0012C2  18 10                  LR    1, 0
0012C4  5C 00 D 1E0            M     0, 480( 0,13)          C
0012C8  50 10 D 414            ST    1,1044( 0,13)          .008
0012CC  58 F0 D 38C            L    15, 908( 0,13)
0012D0  48 00 F 046            LH    0,  70( 0,15)          NTIME
0012D4  49 01 A 002            CH    0,   2( 1,10)
0012D8  47 60 C 21C            BC    6, 540( 0,12)          4325
0012DC  58 E0 D 414   100077   L    14,1044( 0,13)
0012E0  48 30 D 32A            LH    3, 810( 0,13)          LREGNO
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0012E4  48 3E A 004              SH     3,    4(14,10)
0012E8  47 40 C 21C              BC     4, 540( 0,12)                    4325
0012EC  47 20 C 28A              BC     2, 650( 0,12)                    4340
0012F0  48 10 D 318        4350  LH     1, 792( 0,13)                    RUNIX
0012F4  5C 00 D 1E0              M      0, 480( 0,13)                      C
0012F8  50 10 D 418              ST     1,1048( 0,13)                    .609
0012FC  41 01 A 006              LA     0,    6( 1,10)                   CXREG
001300  50 00 D 18C              ST     0, 396( 0,13)
001304  41 10 D 18C              LA     1, 396( 0,13)
001308  58 F0 D 3BC              L     15, 956( 0,13)                     IOR
00130C  05 EF                    BALR  14,15
00130E  47 00 0 17D              BC     0, 381( 0, 0)
001312  40 00 D 454              STH    0,1108( 0,13)                    .T13
001316  58 E0 D 418              L     14,1048( 0,13)
00131A  40 0E A 006              STH    0,    6(14,10)                   CXREG
00131E  48 00 D 308              LH     0, 776( 0,13)                    CXIND
001322  59 00 D 254              C      0, 596( 0,13)                      4E
001326  47 60 C 324              BC     6, 804( 0,12)              D       M  $IM
00132A  58 E0 D 418      100078  L     14,1048( 0,13)                    .609
00132E  41 0E A 008              LA     0,    8(14,10)                   CXREG
001332  50 00 D 18C              ST     0, 396( 0,13)
001336  41 10 D 18C              LA     1, 396( 0,13)
00133A  58 F0 D 3C8              L     15, 968( 0,13)                     IAND
00133E  05 EF                    BALR  14,15
001340  47 00 0 17F              BC     0, 383( 0, 0)
001344  40 00 D 458              STH    0,1112( 0,13)                    .T14
001348  40 00 D 306              STH    0, 774( 0,13)                    TEMP
00134C  58 E0 D 418      100079  L     14,1048( 0,13)                    .609
001350  41 0E A 008              LA     0,    8(14,10)                   CXREG
001354  50 00 D 194              ST     0, 404( 0,13)
001358  41 10 D 194              LA     1, 404( 0,13)
00135C  58 F0 D 3C8              L     15, 968( 0,13)                     IAND
001360  05 EF                    BALR  14,15
001362  47 00 0 180              BC     0, 384( 0, 0)
001366  40 00 D 45C              STH    0,1116( 0,13)                    .T15
00136A  58 E0 D 418              L     14,1048( 0,13)
00136E  40 0E A 008              STH    0,    8(14,10)                   CXREG
001372  41 0E A 008              LA     0,    8(14,10)                   CXREG
001376  50 00 D 19C              ST     0, 412( 0,13)
00137A  41 10 D 19C              LA     1, 412( 0,13)
00137E  58 F0 D 3BC              L     15, 956( 0,13)                     IOR
001382  05 EF                    BALR  14,15
001384  47 00 0 181              BC     0, 385( 0, 0)
001388  40 00 D 460              STH    0,1120( 0,13)                    .T16
00138C  58 E0 D 418              L     14,1048( 0,13)
001390  40 0E A 008              STH    0,    8(14,10)                   CXREG
001394  48 00 D 308              LH     0, 776( 0,13)                    CXIND
001398  59 00 D 254              C      0, 596( 0,13)                      4E
00139C  47 60 C 39E              BC     6, 926( 0,12)              D       *  $MH
0013A0  58 E0 D 418      100080  L     14,1048( 0,13)                    .609
0013A4  41 0E A 008              LA     0,    8(14,10)                   CXREG
0013A8  50 00 D 1A4              ST     0, 420( 0,13)
0013AC  41 10 D 1A4              LA     1, 420( 0,13)
001380  58 F0 D 3BC              L     15, 956( 0,13)                     IOR
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0013B4  05 EF                          EALR   14,15
0013B6  47 00 0 183                    BC      0, 387( 0, 0)
0013BA  40 00 D 464                    STH     0,1124( 0,13)                  .117
0013BE  58 E0 D 418                    L      14,1048( 0,13)
0013C2  40 0E A 008                    STH     0,   8(14,10)                  CXREG
0013C6  58 E0 D 418        100081      L      14,1048( 0,13)
0013CA  58 F0 D 38C                    L      15, 908( 0,13)
0013CE  48 00 F 046                    LH      0,  70( 0,15)                  NTIME
0013D2  40 0E A 002                    STH     0,   2(14,10)                  CXREG
0013D6  48 00 D 32A                    LH      0, 810( 0,13)                  LREGNO
0013DA  40 0E A 004                    STH     0,   4(14,10)                  CXREG
0013DE  47 F0 C 42C                    BC     15,1068( 0,12)                  666
0013E2  48 30 A 002             4360   LH      3,   2( 0,10)                  TLHED
0013E6  40 30 D 41C                    STH     3,1052( 0,13)                  .C10
0013EA  59 30 D 290                    C       3, 656( 0,13)                  3C8
0013EE  47 B0 C 418                    BC     11,1048( 0,12)                  4390
0013F2  5A 30 D 184        100082      A       3, 436( 0,13)                  1
0013F6  40 30 A 002                    STH     3,   2( 0,10)                  TLHED
0013FA  48 30 A 004                    LH      3,   4( 0,10)
0013FE  5A 30 D 184                    A       3, 436( 0,13)                  1
001402  40 30 A 004                    STH     3,   4( 0,10)                  TLHED
001406  48 50 D 318                    LH      5, 792( 0,13)                  RUNIX
00140A  5C 40 D 1E0                    M       4, 480( 0,13)                  C
00140E  48 85 A 00A                    LH      8,  10( 5,10)                  CXREG
001412  48 30 A 002                    LH      3,   2( 0,10)                  TLHED
001416  18 73                         LR      7, 3
001418  5C 60 D 1E0                    M       6, 480( 0,13)                  C
00141C  40 87 A 00A                    STH     8,  10( 7,10)                  CXREG
001420  48 00 D 318                    LH      0, 792( 0,13)                  RUNIX
001424  40 07 A 00C                    STH     0,  12( 7,10)                  CXREG
001428  48 75 A 00A                    LH      7,  10( 5,10)
00142C  5C 60 D 1E0                    M       6, 480( 0,13)                  C
001430  40 B7 A 00C                    STH     3,  12( 7,10)                  CXREG
001434  40 35 A 00A                    STH     3,  10( 5,10)                  CXREG
001438  40 30 D 318                    STH     3, 792( 0,13)                  RUNIX
00143C  47 F0 C 2C8                    BC     15, 712( 0,12)                  4350
001440  58 20 D 184             4390   L       2, 436( 0,13)                  1
001444  58 F0 D 38C                    L      15, 908( 0,13)
001448  4A 20 F 044                    AH      2,  68( 0,15)                  OFLOW
00144C  40 20 F 044                    STH     2,  68( 0,15)                  OFLOW
001450  47 F0 C 430                    BC     15,1072( 0,12)                  E80
001454  47 F0 C 438              666   BC     15,1080( 0,12)                  E88
001458  41 00 0 001              880   LA      0,   1( 0, 0)                  1
00145C  40 00 D 310                    STH     0, 784( 0,13)                  ISFLG
001460  48 00 D 310              888   LH      0, 784( 0,13)                  ISFLG
001464  59 00 D 1B8                    C       0, 440( 0,13)                  2
001468  47 90 C 460                    BC      9,1120( 0,12)                  38
00146C  48 30 D 30C              889   LH      3, 780( 0,13)                  IHIND
001470  5A 30 D 184                    A       3, 436( 0,13)                  1
001474  40 30 D 30C                    STH     3, 780( 0,13)                  IHIND
001478  48 00 D 310                    LH      0, 784( 0,13)                  ISFLG
00147C  59 00 D 184                    C       0, 436( 0,13)                  1
001480  47 90 D 834                    BC      9,2100( 0,13)                  37
001484  47 F0 C 48E            100083  BC     15,1214( 0,12)                  598
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001488  48 00 D 31A          38  LH     0, 794( 0,13)                SUBIQ
0014EC  12 00                    LTR    0, 0
0014EE  47 90 C 4AE              BC     9,1198( 0,12)                  39
001492  48 40 D 31A         380  LH     4, 794( 0,13)                SUBIQ
001496  89 40 0 001              SLL    4,   1( 0, 0)
00149A  48 34 D 352              LH     3, 850( 4,13)
00149E  5A 30 D 1B4              A      3, 436( 0,13)                   1
0014A2  40 30 D 30C              STH    3, 780( 0,13)                IHIND
0014A6  48 34 D 35A              LH     3, 858( 4,13)                SUBTY
0014AA  59 30 D 284              C      3, 644( 0,13)                  F9
0014AE  47 60 C 49E              BC     6,1182( 0,12)              D   C
0014B2  48 30 D 31A      100084  LH     3, 794( 0,13)                SUBIQ
0014B6  89 30 0 002              SLL    3,   2( 0, 0)
0014BA  58 03 D 360              L      0, 864( 3,13)                RETIM
0014BE  58 F0 D 38C              L     15, 908( 0,13)
0014C2  40 00 F 046              STH    0,  70( 0,15)                NTIME
0014C6  48 20 D 31A      100085  LH     2, 794( 0,13)                SUBIQ
0014CA  5B 20 D 1B4              S      2, 436( 0,13)                   1
0014CE  40 20 D 31A              STH    2, 794( 0,13)                SUBIQ
0014D2  47 F0 D 83C              BC    15,2108( 0,13)                   1
0014D6  48 20 D 2F6          39  LH     2, 758( 0,13)                 IND
0014DA  5A 20 D 1B4              A      2, 436( 0,13)                   1
0014DE  40 20 D 2F6              STH    2, 758( 0,13)                 IND
0014E2  47 F0 D 73A              BC    15,1850( 0,13)                  36
0014E6  58 F0 D 388         999  L     15, 904( 0,13)
0014EA  48 00 F 020              LH     0,  32( 0,15)                MERGE
0014EE  59 00 D 1B4              C      0, 436( 0,13)                   1
0014F2  47 90 C 4E8              BC     9,1256( 0,12)                9990
0014F6  58 00 D 1B4      100086  L      0, 436( 0,13)                   1
0014FA  13 00                    LCR    0, 0
0014FC  40 00 A 00A              STH    0,  10( 0,10)               TLHED
001500  41 00 0 001              LA     0,   1( 0, 0)                   1
001504  40 00 A 006              STH    0,   6( 0,10)               TLHED
001508  41 00 0 00A              LA     0,  10( 0, 0)                   A
00150C  40 00 A 00C              STH    0,  12( 0,10)               TLHED
001510  41 00 0 000        9990  LA     0,   0( 0, 0)                   0
001514  58 F0 D 388              L     15, 904( 0,13)
001518  40 00 F 020              STH    0,  32( 0,15)                MERGE
00151C  1B FF                    SR    15,15
00151E  58 E0 D 000              L     14,   0( 0,13)
001522  07 FE                    BCR   15,14
ADDRESS OF EPILOGUE
001524  58 80 D 004              L      8,   4( 0,13)
001528  58 E0 8 00C              L     14,  12( 0, 8)
00152C  58 10 8 018              L      1,  24( 0, 8)
001530  18 D8                    LR    13, 8
001532  98 2C D 01C              LM     2,  28(12,13)
001536  92 FF D 00C              MVI   15,  12(15,13)
00153A  07 FE                    BCR   15,14
ADDRESS OF PROLOGUE
00153C  58 C0 D 048              L     12,  72( 0,13)
001540  47 F0 D 478              BC    15,1144( 0,13)
ADCON FOR PROLOGUE
000020  0000153C                DC    XL4'0000153C'
```

```
ADCON FOR SAVE AREA
                000024  00000028                DC    XL4'00000028'
ADCON FOR EPILOGLE
                000028  00001524                DC    XL4'00001524'
ADCON FOR REG 12
                000070  00001028                DC    XL4'00001028'
ADCONS FOR BRANCH TABLES
                000074  000008D8                DC    XL4'000008D8'
                000078  00000F56                DC    XL4'00000F56'
                00007C  00000F56                DC    XL4'00000F56'
                000080  000008FC                DC    XL4'000008FC'
                000084  000009A0                DC    XL4'000009A0'
                000088  00000980                DC    XL4'00000980'
                00008C  00001458                DC    XL4'00001458'
                000090  00001458                DC    XL4'00001458'
                000094  00000C72                DC    XL4'00000C72'
                000098  000009C4                DC    XL4'000009C4'
                00009C  000009C4                DC    XL4'000009C4'
                0000A0  000008D8                DC    XL4'000008D8'
                0000A4  00000910                DC    XL4'00000910'
                0000A8  0000096E                DC    XL4'0000096E'
                0000AC  00000980                DC    XL4'00000980'
                0000B0  00000914                DC    XL4'00000914'
                0000B4  00000920                DC    XL4'00000920'
                0000B8  00000CF2                DC    XL4'00000CF2'
                0000BC  00000CF2                DC    XL4'00000CF2'
                0000C0  00000D5E                DC    XL4'00000D5E'
                0000C4  00000DD6                DC    XL4'00000DD6'
                0000C8  00000DD6                DC    XL4'00000DD6'
                0000CC  00000DDA                DC    XL4'00000DDA'
                0000D0  00000E0C                DC    XL4'00000E0C'
                0000D4  00000E3E                DC    XL4'00000E3E'
                0000D8  00000E4A                DC    XL4'00000E4A'
                0000DC  00000E56                DC    XL4'00000E56'
                0000E0  00000E8C                DC    XL4'00000E8C'
                0000E4  00000EA0                DC    XL4'00000EA0'
                0000E8  00000ED2                DC    XL4'00000ED2'
                0000EC  00000ED2                DC    XL4'00000ED2'
                0000F0  00000F2A                DC    XL4'00000F2A'
                0000F4  00000F36                DC    XL4'00000F36'
                0000F8  00000F42                DC    XL4'00000F42'
ADCONS FOR PARAMETER LISTS
                0001C0  800002BC                DC    XL4'800002BC'          1776
                0001CC  800001E8                DC    XL4'800001E8'             4
                0C0110  80000374                DC    XL4'80000374'         UTEMP
                000114  80000000                DC    XL4'80000000'
                00011C  00000348                DC    XL4'00000348'         FCTAB1
                0C0120  8000034A                DC    XL4'8000034A'         FCTAB2
                000128  8000002C                DC    XL4'8000002C'         MZOGFF
                0C0130  0000034E                DC    XL4'0000034E'         HEXTB1
                000134  80000350                DC    XL4'80000350'         HEXTB2
                00C138  00000344                DC    XL4'00000344'         TRUTH
                00013C  8000031C                DC    XL4'8000031C'            M1
                0C0140  00000344                DC    XL4'00000344'         TRUTH
```

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000144  80000350          DC    XL4'80000350'          HEXTB2
000148  00000350          DC    XL4'00000350'          HEXTB2
00014C  80000046          DC    XL4'80000046'          NTIME
000150  8000031A          DC    XL4'8000031A'          K
000154  8000036C          DC    XL4'8000036C'          XXTD
000158  80000370          DC    XL4'80000370'          XXTI
00015C  00000354          DC    XL4'00000354'          LWORK1
000160  80000346          DC    XL4'80000346'          Z7FFF
000164  80000354          DC    XL4'80000354'          LWORK1
000170  80000000          DC    XL4'80000000'
000178  00000352          DC    XL4'00000352'          LREGNO
00017C  0000032A          DC    XL4'0000032A'          MASK
000180  00000336          DC    XL4'00000336'          ISBIT
000184  00000324          DC    XL4'00000324'          ILEN
000188  0000033A          DC    XL4'0000033A'          ITEMP
00018C  0000032E          DC    XL4'0000032E'          TEMP
000190  80000320          DC    XL4'80000320'          REV
000194  00000332          DC    XL4'00000332'          IDATA
000198  80000332          DC    XL4'80000332'          IDATA
00019C  00000332          DC    XL4'00000332'          IDATA
0001A0  80000326          DC    XL4'80000326'          ISHF
0001A4  0000032A          DC    XL4'0000032A'          MASK
0001A8  80000036          DC    XL4'80000036'          MZFFFF
0001AC  00000332          DC    XL4'00000332'          IDATA
0001B0  8000032A          DC    XL4'8000032A'          MASK
0001B8  8000032A          DC    XL4'8000032A'          MASK
0001C0  8000033C          DC    XL4'8000033C'          MASKC
0001C8  80000332          DC    XL4'80000332'          IDATA
0001D0  8000032E          DC    XL4'8000032E'          TEMP
TEMPORARIES AND PHASE 20 CONSTANTS
000420  00000000          DC    XL4'00000000'
000424  00000000          DC    XL4'00000000'
000428  00000000          DC    XL4'00000000'
00042C  00000000          DC    XL4'00000000'
000430  00000000          DC    XL4'00000000'
000434  00000000          DC    XL4'00000000'
000438  00000000          DC    XL4'00000000'
00043C  00000000          DC    XL4'00000000'
000440  00000000          DC    XL4'00000000'
000444  00000000          DC    XL4'00000000'
000448  00000000          DC    XL4'00000000'
00044C  00000000          DC    XL4'00000000'
000450  00000000          DC    XL4'00000000'
000454  00000000          DC    XL4'00000000'
000458  00000000          DC    XL4'00000000'
00045C  00000000          DC    XL4'00000000'
000460  00000000          DC    XL4'00000000'
000464  00000000          DC    XL4'00000000'
000468  00000000          DC    XL4'00000000'
00046C  00000000          DC    XL4'00000000'
000470  00000000          DC    XL4'00000000'
000474  00000000          DC    XL4'00000000'
000478  00000000          DC    XL4'00000000'
00047C  00000000          DC    XL4'00000000'
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                000E0  00000000                 DC     XL4'00000000'
                000E4  00000000                 DC     XL4'00000000'
                000E8  00000000                 DC     XL4'00000000'
                000EC  00000000                 DC     XL4'00000000'
                000F0  00000000                 DC     XL4'00000000'
                000F4  00000000                 DC     XL4'00000000'
                000F8  00000000                 DC     XL4'00000000'
                000FC  00000000                 DC     XL4'00000000'
ADCONS FOR B BLOCK LABELS
```

NAME	TAG	TYPE	ADD.	NAME	TAG	TYPE	ADD.	NAME	TAG	TYPE	ADD.	NAME	TAG	TYPE	ADD.
I	SF	I*2	000318	K	SFA	I*2	00031A	Z	SF	R*4	00035C	M1	SFA	I*2	000316
GMT	C	I*2	N.R.	IND	SFA	I*2	00031E	IOR	F XF	I*2	000000	MFO	C	I*2	N.R.
REV	SFA	I*2	000320	RFA	C	I*2	00000E	RFB	C	I*2	N.R.	RFC	C	I*2	N.R.
RFD	C	I*2	N.R.	RFE	C	I*2	000016	RFF	C	I*2	N.R.	UTX	S	I*4	000360
XAF	S C	R*4	000030	XAH	C	R*4	N.R.	XAX	C	R*4	N.R.	XAY	C	R*4	N.R.
XBF	S C	R*4	000038	XBH	C	R*4	N.R.	XCX	C	R*4	N.R.	XCY	C	R*4	N.R.
ZAP	SF XF	R*4	000000	ACAL	SF C	I*2	000120	CBLK	C	I*2	N.R.	DOIF	SF XF	I*2	000000
FOGO	C	I*2	N.R.	IAND	F XF	I*2	000000	IEOR	F XF	I*2	000000	IEXP	S	I*2	000322
ILEN	SFA	I*2	000324	IPCF	C	I*2	N.R.	ISHF	SFA	I*2	000326	ISMO	C	I*2	N.R.
ISUB	SF	I*2	000328	MASK	SFA	I*2	00032A	MBLK	C	I*2	N.R.	MOVE	SF XF	I*2	000000
PURE	S	I*2	00032C	REV8	SF XF	I*2	000000	SUBX	SF	I*2	00037C	TEMP	SFA	I*2	000322
UBIX	S	I*4	000364	XAFO	C	R*4	N.R.	XAVB	C	R*4	N.R.	XBVB	C	R*4	N.R.
XXTC	SF	R*4	000368	XXTD	SFA	R*4	00036C	XXT1	SFA	R*4	000370	ZCAL	SFA C	R*4	000040
BOUT1	SFA C	I*2	000006	BOUT2	C	I*2	N.R.	BOUT3	C	I*2	N.R.	CWORK		I*2	N.R.
CXIND	SFA	I*2	000330	CXREG	SFA C	I*2	00000C	FLT16	F XF	R*4	000000	FOIND	F C	I*2	000000
FONUM	C	I*2	000018	FOSEL	SF C	I*2	000000	FOTAB	SFA C	I*2	000000	IANG1	SFA E	I*2	000340
IDATA	SFA	I*2	000332	IHIND	SFA	I*2	000334	INTI6	F XF	I*2	000000	ISBIT	SFA	I*2	000336
ISFLG	S	I*2	000338	ISHIF	F XF	I*2	000000	ITEMP	SFA	I*2	00033A	MASKC	SFA	I*2	00033C
MBITH	C	I*2	N.R.	PBITL	C	I*2	N.R.	MERGE	S C	I*2	000020	NTIME	SFA C	I*2	000046
OFLOW	SF C	I*2	000044	CNSEQ	C	I*2	N.R.	PASSX		I*2	00033E	PBLKI	S C	I*2	000006
PMSGN	S C	I*2	000006	PPCFI	C	I*2	N.R.	PPCFN	C	I*2	N.R.	PPCFV	C	I*2	N.R.
OBLKI	C	I*2	N.R.	QPCFI	C	I*2	N.R.	QPCFN	C	I*2	N.R.	QPCFV	C	I*2	N.R.
RETIM	SF	I*4	00038C	RUNIX	SFA	I*2	000340	SINTI	C	I*2	N.R.	SINT2	C	I*2	N.R.
SINT3	C	I*2	N.R.	STATE	C	I*2	N.R.	STFLG	C	I*2	N.R.	SUBIQ	SF	I*2	000342
SUBIY	S	I*2	000384	TIMEX	F C	I*2	00001E	TLHED	SFA C	I*2	000000	TRUTH	SFA	I*2	000344
UANG1	F E	R*4	0003A0	UANG2	F E	R*4	0003A4	UTEMP	SFA	R*4	000374	XAIB0	C	R*4	N.R.
XAIB1	C	R*4	N.R.	XBIB0	C	R*4	N.R.	XBIB1	C	R*4	N.R.	XCIB0	C	R*4	N.R.
XCIB1	C	R*4	N.R.	XDIB0	C	R*4	N.R.	XDIB1	C	R*4	N.R.	XTEMP	SF	R*4	000378
Z7FFF	FA	I*2	000346	ACTHLD	C	I*2	N.R.	ACTOFF	C	I*2	N.R.	ACTRST	C	I*2	N.R.
COMTAB	SFA C	I*2	000000	DCCALC	SF XF	I*2	000000	EXTRCT	SF XF	I*2	000000	FOSTRT	C	I*2	N.R.
FOTAB1	SFA	I*2	000348	FCTAB2	SFA	I*2	00034A	GETCMD	SF XF	I*2	000000	GOTOIT	SF	I*2	00034C
HEXIND	F C	I*2	000000	HEXTAB	SFA C	I*2	000000	HEXTB1	SFA	I*2	00034E	HEXTB2	SFA	I*2	000350
LREGNO	SFA	I*2	000352	LWORK1	SFA	I*2	000354	MENIND	C	I*2	N.R.	MESCON	C	I*2	N.R.
MESFLG	C	I*2	N.R.	MPDSET	S	I*2	000356	MSGBLA	SFA C	I*2	000082	MSGBL9	C	I*2	N.R.
MSOUTL	SF XF	I*2	000000	MZFFFF	FA C	I*2	000036	PZFFFO	C	I*2	N.R.	MZFF00	C	I*2	N.R.
MZF000	C	I*2	N.R.	MZOFFF	C	I*2	N.R.	MZOFF0	C	I*2	N.R.	MZOF00	C	I*2	N.R.
MZ00FF	FA C	I*2	00002C	MZ00F0	C	I*2	N.R.	MZ000F	C	I*2	N.R.	MZ000O	C	I*2	N.R.
OFFSEQ	C	I*2	N.R.	ORUNIX	S	I*2	000358	PCFBFR	SFA C	I*2	000000	PHEADR	SF XF	I*2	000000
ROUTIX	SF C	I*2	000048	SMOSEL	C	I*2	N.R.								

***** COMMON INFORMATION *****

NAME OF COMMON BLOCK *DEPCOM* SIZE OF BLOCK 000078 HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
STATE	I*2	N.R.	ISMO	I*2	N.R.	IPCF	I*2	N.R.	FOGO	I*2	N.R.
ACTHLD	I*2	N.R.	ACTOFF	I*2	N.R.	ACTRST	I*2	N.R.	RFA	I*2	00000E
RFB	I*2	N.R.	RFC	I*2	N.R.	RFD	I*2	N.R.	RFE	I*2	000016
RFF	I*2	N.R.	MBLK	I*2	N.R.	MFO	I*2	N.R.	TIMEX	I*2	00001E
MERGE	I*2	000020	MZ0000	I*2	N.R.	MZ000F	I*2	N.R.	MZ00F0	I*2	N.R.
MZOF00	I*2	N.R.	MZF000	I*2	N.R.	MZ00FF	I*2	00002C	MZOFF0	I*2	N.R.

MZFFCO	I*2	N.R.	MZOFFF	I*2	N.R.	MZFFFO	I*2	N.R.	MZFFFF	I*2	000035
MBITL	I*2	N.R.	MBITH	I*2	N.R.						

NAME OF COMMON BLOCK * FOFLG* SIZE OF BLOCK 00005C HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
FOSEL	I*2	000000	SMOSEL	I*2	N.R.	STFLG	I*2	N.R.	PMSGN	I*2	000000
PBLKI	I*2	000008	PPCFI	I*2	N.R.	PPCFV	I*2	N.R.	PPCFN	I*2	N.R.
QBLKI	I*2	N.R.	QPCFI	I*2	N.R.	QPCFV	I*2	N.R.	QPCFN	I*2	N.R.
FONUM	I*2	000018	GMT	I*2	N.R.	MENIND	I*2	N.R.	FOSTRT	I*2	N.R.
ONSEQ	I*2	N.R.	CFFSEQ	I*2	N.R.	OFLOW	I*2	000044	NTIME	I*2	000046
ROUTIX	I*2	000048									

NAME OF COMMON BLOCK *MSGCOM* SIZE OF BLOCK 0000C2 HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
MESFLG	I*2	N.R.	MESCCM	I*2	N.R.	MSGBL9	I*2	N.R.	MSGBLA	I*2	000082

NAME OF COMMON BLOCK *CMDCOM* SIZE OF BLOCK 000546 HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
COMTAB	I*2	000000									

NAME OF COMMON BLOCK * FOCOM* SIZE OF BLOCK 000C80 HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
FOTAB	I*2	000000									

NAME OF COMMON BLOCK *HEXCOM* SIZE OF BLOCK 002940 HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
HEXTAB	I*2	000000									

NAME OF COMMON BLOCK *FOCSCT* SIZE OF BLOCK 00012C HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
FOIND	I*2	000000									

NAME OF COMMON BLOCK *HXCSCT* SIZE OF BLOCK 00012C HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
HEXIND	I*2	000000									

NAME OF COMMON BLOCK *PCFBUF* SIZE OF BLOCK 000134 HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.

PCFBFR	I*2	000000	ZCAL	R*4	0C00A0	ACAL	I*2	000120

NAME OF COMMON BLOCK *OUTCOM* SIZE OF BLOCK 0000C0 HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
SINT1	I*2	N.R.	SINT2	I*2	N.R.	SINT3	I*2	N.R.	BOUTI	I*2	000000
BOUT2	I*2	N.R.	BOUT3	I*2	N.R.						

NAME OF COMMON BLOCK * TLBUF* SIZE OF BLOCK 002EEE HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
TLHED	I*2	000000	CXREG	I*2	00000C	CBLK	I*2	N.R.			

NAME OF COMMON BLOCK * COEFF* SIZE OF BLOCK 00004C HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
XAH	R*4	N.R.	XBH	R*4	N.R.	XAIBI	R*4	N.R.	XBIBI	R*4	N.R.
XCIBI	R*4	N.R.	XDIBI	R*4	N.R.	XAIBO	R*4	N.R.	XBIBO	R*4	N.R.
XCIBO	R*4	N.R.	XDIBO	R*4	N.R.	XAVB	R*4	N.R.	XBVB	R*4	N.R.
XAF	R*4	000030	XAFO	R*4	N.R.	XBF	R*4	000038	XAX	R*4	N.R.
XAY	R*4	N.R.	XCX	R*4	N.R.	XCY	R*4	N.R.			

LABEL	ADDR	LABEL	ADDR	LABEL	ADDR	LABEL	ADDR
1111	000400	1113	00050A	1999	0005E2	2017	000600
2018	000610	2016	00068A	600	000756 NR	36	000762
237	00083A	37	00085C	1	000864	11	00086A
111	000880	7710	0008D8	7702	0008FC	7711	000910
7714	000914	7715	000920	533	000952	7712	000956
7704	000980	7703	0009A0	7713	0009B0	7709	0009C4
7708	0009C4	8005	000A52	8010	000B32	8020	000BAE
8030	000BE0	8037	000C58	7707	000C72	171	000CC4
8801	000CF2	8802	000D5E	8820	000DBE	8803	000DD6
8804	000DD6	8805	000DDA	8806	000E0C	8807	000E3E
8808	000E4A	8809	000E56	8810	000E8C	8811	000EA0
641	000EC6	8812	000ED2	8813	000ED2	8814	000F2A
8815	000F36	8816	000F42	7701	000F56	9	000FA4
100	000FF6	102	001072	101	0010C8	103	00111E
104	00114A	4299	0011C2 NR	4310	0011EC	4320	00121A
4325	001244	4330	001258	4335	001270	4340	001282
4350	0012F0	4360	0013E2	4390	001440	666	001454
880	001458	888	001460	889	00146C	38	001488
380	001492	39	001406	998	0014E6	999	0014E6
9990	001510						

OPTIONS IN EFFECT NAME= MAIN,OPT=02,LINECNT=56,SIZE=0000K,

OPTIONS IN EFFECT SOURCE,EBCDIC,LIST,NODECK,LOAD,MAP,NOEDIT,ID,NOXREF

STATISTICS SOURCE STATEMENTS = 438 ,PROGRAM SIZE = 5444

STATISTICS NO DIAGNOSTICS GENERATED

****** END OF COMPILATION ****** 43K BYTES OF CORE NOT USED

```
        COMPILER OPTIONS - NAME=  MAIN,OPT=02,LINECNT=56,SIZE=0000K,
                           SOURCE,EBCDIC,LIST,NODECK,LOAD,MAP,NOEDIT,ID,NOXREF
ISN 0002            SUBROUTINE DOIF(TRUTH,NUM)                                  VERISW
                  C*************************************************            VERISW
                  C*************************************************            VERISW
                  C**                                             **            VERISW
                  C** DOIF PEFORMS THE IF STATEMENT PROCESSING FOR **            VERISW
                  C** THE HEXTAB ENTRIES.                         **            VERISW
                  C**                                             **            VERISW
                  C** CALLING SEQUENCE: CALL DOIF(TRUTH,NUM)       **            VERISW
                  C**     TRUTH = 16BIT PUSH DOWN STACK FOR TRUE/FALSE **        VERISW
                  C**             SIGN BIT IS CURRENT STATE       **            VERISW
                  C**             0=TRUE 1=FALSE                  **            VERISW
                  C**     NUM   = NUMBER OF IF STATEMENT TO BE DONE **           VERISW
                  C*************************************************            VERISW
                  C*************************************************            VERISW
                  C**                 -- DECLARE (U-W) INTEGER (32-BITS)        VERISW
                  C**                 -- DECLARE (A-T) INTEGER (16 BITS)        VERISW
                  C**                 -- DECLARE (X-Z) REAL    (32-BITS)        VERISW
                  C                                                             VERISW
ISN 0003            IMPLICIT INTEGER*2 (A-T), INTEGER*4 (U-W), REAL*4 (X-Z)     VERISW
                  C                                                             VERISW
                  C                                                             VERISW
ISN 0004            COMMON /DEPCOM/ STATE,ISMO,IPCF,FOGC,ACTHLC,ACTCFF,ACTRST,  VERISW
                 .                  RFA,RFB,RFC,RFD,RFE,RFF,MBLK,MFG,TIMEX,MERGE,  VERISW
                 .                  MZ0000,MZ000F,MZ00F0,MZ0F00,MZFC00,MZ00FF,MZ0FF0  VERISW
                 .                 ,MZFF00,MZ0FFF,MZFFF0,MZFFFF,MBITL(16),MBITH(16)  VERISW
                  C                                                             VERISW
ISN 0005            COMMON /FOFLG/ FOSEL,SMOSEL,STFLG,FPSGN,PBLKT,PPCFI,PPCFV,  VERISW
                 .             PPCFN,CBLKI,QPCFI,QPCFV,QPCFN,FONUM(4),GMT(3,4),  VERISW
                 .             MENIND,FOSTAT(3),ONSEQ,CFFSEQ,CFLOW,NTIME,ROUTIX(10)  VERISW
                  C                                                             VERISW
                  C                                                             VERISW
                  C                                                             VERISW
ISN 0006            COMMON /PCFBUF/ PCFBFR(80),ZCAL(32),ACAL(10)                VERISW
ISN 0007            COMMON /FOCSCT/ FCIND(150)                                  VERISW
ISN 0008            COMMON /HXCSCT/ HEXIND(150)                                 VERISW
                  C                                                             VERISW
ISN 0009            REAL FLT16                                                  VERISW
ISN 0010            DATA K7FFF/Z7FFF/,K8000/Z8000/                              VERISW
                  C                                                             VERISW
ISN 0011        100 CONTINUE                                                    VERISW
                  C     COMPUTE THE IF STATEMENT TO BE CALCULATED               VERISW
ISN 0012            I=NUM+1                                                     VERISW
ISN 0013            IF(I.GE.35) GO TO 999                                       VERISW
                  C     SET TRUTH TO TRUE                                       VERISW
ISN 0015            IN1=-1                                                      VERISW
ISN 0016            TRUTH=ISHIF(TRUTH,IN1)                                      VERISW
ISN 0017            TRUTH=IAND(TRUTH,K7FFF)                                     VERISW
                  C                                                             VERISW
ISN 0018            GO TO (1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,  VERISW
                 .       22,23,24,25,26,27,28,29,30,31,32,33,34),I              VERISW
ISN 0019          1 CONTINUE                                                    VERISW
                  C     IF(ICNT.EQ.0)                                           VERISW
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ISN 0020            IF(PCFBFR(45).EQ.0) GO TO 999                          VERISW
ISN 0022            GO TO 990                                              VERISW
ISN 0023          2 CONTINUE                                               VERISW
                C   IF(ICNT.NE.0)                                          VERISW
ISN 0024            IF(PCFBFR(45).NE.0) GO TO 999                          VERISW
ISN 0026            GO TO 990                                              VERISW
ISN 0027          3 CONTINUE                                               VERISW
                C   IF(IB.GE.IBO)                                          VERISW
ISN 0028            IF(ZCAL(31).GE.ZCAL(5)) GO TO 999                      VERISW
ISN 0030            GO TO 990                                              VERISW
ISN 0031          4 CONTINUE                                               VERISW
                C   IF(IB.LT.IBO)                                          VERISW
ISN 0032            IF(ZCAL(31).LT.ZCAL(5)) GO TO 999                      VERISW
ISN 0034            GO TO 990                                              VERISW
ISN 0035          5 CONTINUE                                               VERISW
                C   IF(IB.GE.IBC)                                          VERISW
ISN 0036            IF(ZCAL(31).GE.ZCAL(6)) GO TO 999                      VERISW
ISN 0038            GO TO 990                                              VERISW
ISN 0039          6 CONTINUE                                               VERISW
                C   IF(IB.LT.IBC)                                          VERISW
ISN 0040            IF(ZCAL(31).LT.ZCAL(6)) GO TO 999                      VERISW
ISN 0042            GO TO 990                                              VERISW
ISN 0043          7 CONTINUE                                               VERISW
ISN 0044            BTIME=NTIME                                            VERISW
ISN 0045            IX=48                                                  VERISW
ISN 0046         71 CONTINUE                                               VERISW
ISN 0047            BTIME=BTIME-600                                        VERISW
ISN 0048            IF(BTIME.LT.0) GO TO 72                                VERISW
ISN 0050            IX=97-IX                                               VERISW
ISN 0051            GO TO 71                                               VERISW
ISN 0052         72 CONTINUE                                               VERISW
                C   IF(THED.EQ.0)                                          VERISW
ISN 0053            IF(PCFBFR(IX).EQ.0) GO TO 999                          VERISW
ISN 0055            GO TO 990                                              VERISW
ISN 0056          8 CONTINUE                                               VERISW
ISN 0057            BTIME=NTIME                                            VERISW
ISN 0058            IX=48                                                  VERISW
ISN 0059         81 CONTINUE                                               VERISW
ISN 0060            BTIME=BTIME-600                                        VERISW
ISN 0061            IF(BTIME.LT.0) GO TO 82                                VERISW
ISN 0063            IX=97-IX                                               VERISW
ISN 0064            GO TO 81                                               VERISW
ISN 0065         82 CONTINUE                                               VERISW
                C   IF(THED.NE.0)                                          VERISW
ISN 0066            IF(PCFBFR(IX).NE.0) GO TO 999                          VERISW
ISN 0068            GO TO 990                                              VERISW
ISN 0069          9 CONTINUE                                               VERISW
                C   IF(THETXO.GE.0)                                        VERISW
ISN 0070            IF(ZCAL(16).GE.0) GO TO 999                            VERISW
ISN 0072            GO TO 990                                              VERISW
ISN 0073         10 CONTINUE                                               VERISW
                C   IF(THETXO.LT.0)                                        VERISW
ISN 0074            IF(ZCAL(16).LT.0.0) GO TO 999                          VERISW
ISN 0076            GO TO 990                                              VERISW
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ISN 0077          11 CONTINUE                                                VERISW
                C    IF(THETYO.GE.0)                                         VERISW
ISN 0078             IF(ZCAL(17).GE.0.0) GO TO 999                           VERISW
ISN 0080             GO TO 990                                               VERISW
ISN 0081          12 CONTINUE                                                VERISW
                C    IF(THETYO.LT.0)                                         VERISW
ISN 0082             IF(ZCAL(17).LT.0.0) GO TO 999                           VERISW
ISN 0084             GO TO 990                                               VERISW
ISN 0085          13 CONTINUE                                                VERISW
                C    IF(PT.GT.25)                                            VERISW
ISN 0086             IF(ZCAL(14).GT.25.0) GO TO 999                          VERISW
ISN 0088             GO TO 990                                               VERISW
ISN 0089          14 CONTINUE                                                VERISW
                C    IF(ANGL.EQ.0)                                           VERISW
ISN 0090             IF(PCFBFR(71).EQ.0) GO TO 999                           VERISW
ISN 0092             GO TO 990                                               VERISW
ISN 0093          15 CONTINUE                                                VERISW
                C    IF(ANGL.NE.0)                                           VERISW
ISN 0094             IF(PCFBFR(71).NE.0) GO TO 999                           VERISW
ISN 0096             GO TO 990                                               VERISW
ISN 0097          16 CONTINUE                                                VERISW
                C    IF(EHVC.EQ.1)                                           VERISW
ISN 0098             IF(PCFBFR(70).EQ.1) GO TO 999                           VERISW
ISN 0100             GO TO 990                                               VERISW
ISN 0101          17 CONTINUE                                                VERISW
                C    IF(EHVC.NE.1)                                           VERISW
ISN 0102             IF(PCFBFR(70).NE.1) GO TO 999                           VERISW
ISN 0104             GO TO 990                                               VERISW
ISN 0105          18 CONTINUE                                                VERISW
                C    IF(VFON.EQ.1)                                           VERISW
ISN 0106             IF(PCFBFR(72).EQ.1) GO TO 999                           VERISW
ISN 0108             GO TO 990                                               VERISW
ISN 0109          19 CONTINUE                                                VERISW
                C    IF(VFON.NE.1)                                           VERISW
ISN 0110             IF(PCFBFR(72).NE.1) GO TO 999                           VERISW
ISN 0112             GO TO 990                                               VERISW
ISN 0113          20 CONTINUE                                                VERISW
                C    IF(IXFP.EQ.1)                                           VERISW
ISN 0114             IF(ACAL(4).EQ.1) GO TO 999                              VERISW
ISN 0116             GO TO 990                                               VERISW
ISN 0117          21 CONTINUE                                                VERISW
                C    IF(IXFP.NE.1)                                           VERISW
ISN 0118             IF(ACAL(4).NE.1) GO TO 999                              VERISW
ISN 0120             GO TO 990                                               VERISW
ISN 0121          22 CONTINUE                                                VERISW
                C    IF VB .GT. VBMAX                                        VERISW
ISN 0122             IF(ZCAL(30).GT.ZCAL(2)) GO TO 999                       VERISW
ISN 0124             GO TO 990                                               VERISW
                C    IF IB .GT. IBMAX                                        VERISW
ISN 0125          23 CONTINUE                                                VERISW
ISN 0126             IF(ZCAL(31).GT.ZCAL(3))GO TO 999                        VERISW
ISN 0128             GO TO 990                                               VERISW
                C                                                            VERISW
ISN 0129          24 CONTINUE                                                VERISW
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                C       IF CNT = 1                                                      VERISW
ISN 0130                IF(PCFBFR(45).EQ.1) GO TO 999                                   VERISW
ISN 0132                GO TO 990                                                       VERISW
ISN 0133             25 CONTINUE                                                        VERISW
                C       IF PWIDTH < 10                                                  VERISW
ISN 0134                IF(ACAL(5).LT.1000) GO TO 999                                   VERISW
ISN 0136                GO TO 990                                                       VERISW
                C                                                                       VERISW
ISN 0137             26 CONTINUE                                                        VERISW
                C       IF FO#2                                                         VERISW
ISN 0138                IF(FONUM(1).EQ.2) GO TO 999                                     VERISW
ISN 0140                GO TO 990                                                       VERISW
                C                                                                       VERISW
ISN 0141             27 CONTINUE                                                        VERISW
ISN 0142                IF(ACAL(5).GE.1000) GO TO 999                                   VERISW
ISN 0144                GO TO 990                                                       VERISW
                C                                                                       VERISW
ISN 0145             28 CONTINUE                                                        VERISW
                C       IF TRGCFO=0                                                     VERISW
ISN 0146                IF(PCFBFR(60).EQ.0) GO TO 999                                   VERISW
ISN 0148                GO TO 990                                                       VERISW
                C                                                                       VERISW
ISN 0149             29 CONTINUE                                                        VERISW
                C       IF TRGCFO<>0                                                    VERISW
ISN 0150                IF(PCFBFR(60).NE.0) GO TO 999                                   VERISW
ISN 0152                GO TO 990                                                       VERISW
ISN 0153             30 CONTINUE                                                        VERISW
                C       IF PWIDTH>=1.0                                                  VERISW
ISN 0154                IF(ACAL(5).GE.100) GO TO 999                                    VERISW
ISN 0156                GO TO 990                                                       VERISW
ISN 0157             31 CONTINUE                                                        VERISW
                C       IF SMO THED.EQ.0                                                VERISW
ISN 0158                IF(PCFBFR(1).EQ.0) GO TO 999                                    VERISW
ISN 0160                GO TO 990                                                       VERISW
ISN 0161             32 CONTINUE                                                        VERISW
                C       IF SMO THED .NE. 0                                              VERISW
ISN 0162                IF(PCFBFR(1).NE.0) GO TO 999                                    VERISW
ISN 0164                GO TO 990                                                       VERISW
ISN 0165             33 CONTINUE                                                        VERISW
                C       IF NOT FO#2                                                     VERISW
ISN 0166                IF(FONUM(1).NE.2) GO TO 999                                     VERISW
ISN 0168                GO TO 990                                                       VERISW
ISN 0169             34 CONTINUE                                                        VERISW
                C       IF NOT(NGMVSW OVERRIDE AND FO#9(A-5A))                          VERISW
ISN 0170                IF(ACAL(6).EQ.0) GO TO 999                                      VERISW
ISN 0172                IF(FONUM(1).EQ.10) GO TO 990                                    VERISW
ISN 0174                GO TO 999                                                       VERISW
                C       SET STATE FALSE                                                 VERISW
ISN 0175            990 CONTINUE                                                        VERISW
ISN 0176                TRUTH=IEOR(TRUTH,K8000)                                         VERISW
ISN 0177            999 CONTINUE                                                        VERISW
ISN 0178                RETURN                                                          VERISW
ISN 0179                END                                                             VERISW
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000000  47 F0 F 00C     DOIF      BC      15,12(0,15)
0000C4  07                        CC      XL1'07'
0000C5  C4D6C9C64C4040            CC      CL7'DOIF   '
0000CC  90 EC D 00C               STM     14,12,12(13)
0000D0  18 4D                     LR      4,13
0000D4  98 CD F 020               LM      12,13,32(15)
0000D8  50 40 D 004               ST      4,4(0,13)
0000DA  50 D0 4 008               ST      13,8(0,4)
0000DE  07 FC                     BCR     15,12

CONSTANTS
0000E0  00000000                  CC      XL4'00000000'
0000E4  00000001                  CC      XL4'00000001'
0000E8  00000002                  CC      XL4'00000002'
0000EC  00000003                  CC      XL4'00000003'
0000F0  00000004                  CC      XL4'00000004'
0000F4  00000005                  CC      XL4'00000005'
0000F8  00000006                  CC      XL4'00000006'
0000FC  0000000A                  CC      XL4'0000000A'
000100  0000000E                  CC      XL4'0000000E'
000104  00000010                  CC      XL4'00000010'
000108  00000011                  CC      XL4'00000011'
00010C  0000001E                  CC      XL4'0000001E'
000110  0000001F                  CC      XL4'0000001F'
000114  00000023                  CC      XL4'00000023'
000118  0000002D                  CC      XL4'0000002D'
00011C  00000030                  CC      XL4'00000030'
000120  0000003C                  CC      XL4'0000003C'
000124  00000046                  CC      XL4'00000046'
000128  00000047                  CC      XL4'00000047'
00012C  00000048                  CC      XL4'00000048'
000130  00000061                  CC      XL4'00000061'
000134  00000064                  CC      XL4'00000064'
000138  00000258                  CC      XL4'00000258'
00013C  000003E8                  CC      XL4'000003E8'
000140  42190000                  CC      XL4'42190000'
ADCONS FOR VARIABLES AND CONSTANTS
ADCONS FOR COMMON
000144  00000000                  CC      XL4'00000000'
000148  00000000                  CC      XL4'00000000'
00014C  FFFFFFFE                  CC      XL4'FFFFFFFE'
000150  FFFFFFFE                  CC      XL4'FFFFFFFE'
000154  FFFFFFFE                  CC      XL4'FFFFFFFE'
ADCONS FOR EXTERNAL REFERENCES
000158  00000000                  CC      XL4'00000000'          IAND
00015C  00000000                  CC      XL4'00000000'          IEOR
000160  00000000                  CC      XL4'00000000'          ISHIF
DATA CONSTANTS
000164  7F                        CC      XL1'7F'                K7FFF
000165  FF                        CC      XL1'FF'                K7FFF
000166  80                        CC      XL1'80'                K8000
000167  00                        CC      XL1'00'                K8000
000168  58 90 D 174         100   L       9, 372( 0,13)
00016C  58 70 D 178               L       7, 376( 0,13)
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000100  41 80 0 001              LA     8,    1( 0, 0)                1
000104  41 B0 0 030              LA    11,   48( 0, 0)               30
000108  41 50 0 061              LA     5,   97( 0, 0)               61
00010C  41 60 0 258              LA     6,  600( 0, 0)              258
0001E0  18 28                    LR     2, 8
0001E2  4A 20 D 15A              AH     2, 346( 0,13)              NUM
0001E6  18 A2                    LR    10, 2
0001E8  59 A0 D 124              C     10, 292( 0,13)               23
0001EC  47 B0 D 48A              BC    11,1162( 0,13)              599
0001F0  13 08             100002 LCR    0, 8
0001F2  40 00 D 158              STH    0, 344( 0,13)              IN1
0001F6  41 10 D 0D8              LA     1, 216( 0,13)
0001FA  58 F0 D 18C              L     15, 396( 0,13)             TSRIF
0001FE  05 EF                    BALR  14,15
000200  47 00 0 010              BC     0,   16( 0, 0)
000204  40 00 D 190              STH    0, 400( 0,13)             .100
000208  40 00 D 164              STH    0, 356( 0,13)             TRUTH
00020C  41 10 D 0E0              LA     1, 224( 0,13)
000210  58 F0 D 184              L     15, 388( 0,13)             IAND
000214  05 EF                    BALR  14,15
000216  47 00 0 011              BC     0,   17( 0, 0)
00021A  40 00 D 194              STH    0, 404( 0,13)             .101
00021E  40 00 D 164              STH    0, 356( 0,13)             TRUTH
000222  18 FA                    LR    15,10
000224  41 E0 0 022              LA    14,   34( 0, 0)
000228  15 FE                    CLR   15,14
00022A  89 F0 0 002              SLL   15,    2( 0, 0)
00022E  47 20 D 210              BC     2, 528( 0,13)
000232  58 EF D 04C              L     14,   76(15,13)             76
000236  07 FE                    BCR   15,14
000238  48 20 7 05A          1   LH     2,   90( 0, 7)            PCFBFR
00023C  12 22                    LTR    2, 2
00023E  47 90 D 48A              BC     9,1162( 0,13)              599
000242  47 F0 D 474       100004 BC    15,1140( 0,13)              990
000246  48 30 7 C5A          2   LH     3,   90( 0, 7)            PCFBFR
00024A  12 33                    LTR    3, 3
00024C  47 60 D 48A              BC     6,1162( 0,13)              599
000250  47 F0 D 474       100005 BC    15,1140( 0,13)              990
000254  78 20 7 11A          3   LE     2, 282( 0, 7)             ZCAL
000258  79 20 7 0B2              CE     2, 178( 0, 7)
00025C  47 B0 D 48A              BC    11,1162( 0,13)              599
000260  47 F0 D 474       100006 BC    15,1140( 0,13)              990
000264  78 20 7 11A          4   LE     2, 282( 0, 7)             ZCAL
000268  79 20 7 0B2              CE     2, 178( 0, 7)
00026C  47 40 D 48A              BC     4,1162( 0,13)              599
000270  47 F0 D 474       100007 BC    15,1140( 0,13)              990
000274  78 20 7 11A          5   LE     2, 282( 0, 7)             ZCAL
000278  79 20 7 0B6              CE     2, 182( 0, 7)
00027C  47 B0 D 48A              BC    11,1162( 0,13)              599
000280  47 F0 D 474       100008 BC    15,1140( 0,13)              990
000284  78 20 7 11A          6   LE     2, 282( 0, 7)             ZCAL
000288  79 20 7 0B6              CE     2, 182( 0, 7)
00028C  47 40 D 48A              BC     4,1162( 0,13)              599
000290  47 F0 D 474       100009 BC    15,1140( 0,13)              990
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000294  40 B0 D 156          7   STH   11, 342( 0,13)                    IX
000298  48 30 9 046              LH     3,  70( 0, 9)                  NTIME
00029C  48 40 D 156              LH     4, 342( 0,13)                    IX
0002A0  18 23                71  LR     2, 3
0002A2  1B 26                    SR     2, 6
0002A4  18 32                    LR     3, 2
0002A6  12 33                    LTR    3, 3
0002A8  47 B0 D 28C              BC    11, 652( 0,13)              D     $7-
0002AC  40 40 D 156              STH    4, 342( 0,13)                    IX
0002B0  47 F0 D 296              BC    15, 662( 0,13)                    72
0002B4  18 25           100010   LR     2, 5
0002B6  1B 24                    SR     2, 4
0002B8  18 42                    LR     4, 2
0002BA  47 F0 D 278              BC    15, 632( 0,13)                    71
0002BE  48 40 D 156          72  LH     4, 342( 0,13)                    IX
0002C2  89 40 0 001              SLL    4,   1( 0, 0)
0002C6  48 34 7 000              LH     3,   0( 4, 7)               PCFBFR
0002CA  12 33                    LTR    3, 3
0002CC  47 90 D 48A              BC     9,1162( 0,13)                   999
0002D0  47 F0 D 474      100011  BC    15,1140( 0,13)                   990
0002D4  40 B0 D 156          8   STH   11, 342( 0,13)                    IX
0002D8  48 30 9 046              LH     3,  70( 0, 9)                  NTIME
0002DC  48 40 D 156              LH     4, 342( 0,13)                    IX
0002E0  18 23                81  LR     2, 3
0002E2  1B 26                    SR     2, 6
0002E4  18 32                    LR     3, 2
0002E6  12 33                    LTR    3, 3
0002E8  47 B0 D 2CC              BC    11, 716( 0,13)              D     $KU
0002EC  40 40 D 156              STH    4, 342( 0,13)                    IX
0002F0  47 F0 D 2D6              BC    15, 726( 0,13)                    82
0002F4  18 25           100012   LR     2, 5
0002F6  1B 24                    SR     2, 4
0002F8  18 42                    LR     4, 2
0002FA  47 F0 D 288              BC    15, 696( 0,13)                    81
0002FE  48 40 D 156          82  LH     4, 342( 0,13)                    IX
000302  89 40 0 001              SLL    4,   1( 0, 0)
000306  48 34 7 000              LH     3,   0( 4, 7)               PCFBFR
00030A  12 33                    LTR    3, 3
00030C  47 60 D 48A              BC     6,1162( 0,13)                   999
000310  47 F0 D 474      100013  BC    15,1140( 0,13)                   990
000314  78 20 7 00E          9   LE     2, 222( 0, 7)                 ZCAL
000318  32 22                    LTER   2, 2
00031A  47 B0 D 48A              BC    11,1162( 0,13)                   999
00031E  47 F0 D 474      100014  BC    15,1140( 0,13)                   990
000322  78 20 7 00E         10   LE     2, 222( 0, 7)                 ZCAL
000326  32 22                    LTER   2, 2
000328  47 40 D 48A              BC     4,1162( 0,13)                   999
00032C  47 F0 D 474      100015  BC    15,1140( 0,13)                   990
000330  78 20 7 0E2         11   LE     2, 226( 0, 7)                 ZCAL
000334  32 22                    LTER   2, 2
000336  47 B0 D 48A              BC    11,1162( 0,13)                   999
00033A  47 F0 D 474      100016  BC    15,1140( 0,13)                   990
00033E  78 20 7 0E2         12   LE     2, 226( 0, 7)                 ZCAL
000342  32 22                    LTER   2, 2
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000344  47 40 D 48A              BC     4,1162( 0,13)          $99
000348  47 F0 D 474      100017  BC    15,1140( 0,13)          $90
00034C  78 20 7 0D6          13  LE     2, 214( 0, 7)         ZCAL
000350  79 20 D 150              CE     2, 336( 0,13)     42190C00
000354  47 20 D 48A              BC     2,1162( 0,13)          $99
000358  47 F0 D 474      100018  BC    15,1140( 0,13)          $90
00035C  48 30 7 C8E          14  LH     3, 142( 0, 7)        PCFBFR
000360  12 33                   LTR    3, 3
000362  47 90 D 48A              BC     9,1162( 0,13)          $99
000366  47 F0 D 474      100019  BC    15,1140( 0,13)          $90
00036A  48 30 7 C8E          15  LH     3, 142( 0, 7)        PCFBFR
00036E  12 33                   LTR    3, 3
000370  47 60 D 48A              BC     6,1162( 0,13)          $99
000374  47 F0 D 474      100020  BC    15,1140( 0,13)          $90
000378  48 30 7 08C          16  LH     3, 140( 0, 7)        PCFBFR
00037C  19 38                   CR     3, 8
00037E  47 90 D 48A              BC     9,1162( 0,13)          $99
000382  47 F0 D 474      100021  BC    15,1140( 0,13)          $90
000386  48 30 7 08C          17  LH     3, 140( 0, 7)        PCFBFR
00038A  19 38                   CR     3, 8
00038C  47 60 D 48A              BC     6,1162( 0,13)          $99
000390  47 F0 D 474      100022  BC    15,1140( 0,13)          $90
000394  48 30 7 090          18  LH     3, 144( 0, 7)        PCFBFR
000398  19 38                   CR     3, 8
00039A  47 90 D 48A              BC     9,1162( 0,13)          $99
00039E  47 F0 D 474      100023  BC    15,1140( 0,13)          $90
0003A2  48 30 7 090          19  LH     3, 144( 0, 7)        PCFBFR
0003A6  19 38                   CR     3, 8
0003A8  47 60 D 48A              BC     6,1162( 0,13)          $99
0003AC  47 F0 D 474      100024  BC    15,1140( 0,13)          $90
0003B0  48 30 7 128          20  LH     3, 296( 0, 7)         ACAL
0003B4  19 38                   CR     3, 8
0003B6  47 90 D 48A              BC     9,1162( 0,13)          $99
0003BA  47 F0 D 474      100025  BC    15,1140( 0,13)          $90
0003BE  48 30 7 128          21  LH     3, 296( 0, 7)         ACAL
0003C2  19 38                   CR     3, 8
0003C4  47 60 D 48A              BC     6,1162( 0,13)          $99
0003C8  47 F0 D 474      100026  BC    15,1140( 0,13)          $90
0003CC  78 20 7 116          22  LE     2, 278( 0, 7)         ZCAL
0003D0  79 20 7 0A6              CE     2, 166( 0, 7)
0003D4  47 20 D 48A              BC     2,1162( 0,13)          $99
0003D8  47 F0 D 474      100027  BC    15,1140( 0,13)          $90
0003DC  78 20 7 11A          23  LE     2, 282( 0, 7)         ZCAL
0003E0  79 20 7 0AA              CE     2, 170( 0, 7)
0003E4  47 20 D 48A              BC     2,1162( 0,13)          $99
0003E8  47 F0 D 474      100028  BC    15,1140( 0,13)          $90
0003EC  48 30 7 05A          24  LH     3,  90( 0, 7)        PCFBFR
0003F0  19 38                   CR     3, 8
0003F2  47 90 D 48A              BC     9,1162( 0,13)          $99
0003F6  47 F0 D 474      100029  BC    15,1140( 0,13)          $90
0003FA  48 30 7 12A          25  LH     3, 298( 0, 7)         ACAL
0003FE  59 30 D 14C              C      3, 332( 0,13)          3E8
000402  47 40 D 48A              BC     4,1162( 0,13)          $99
000406  47 F0 D 474      100030  BC    15,1140( 0,13)          $90
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000408A  48 30 9 018          26   LH     3,   24( 0, 9)          FORNUM
000408E  59 30 D 0F8               C      3, 248( 0,13)              2
0004092  47 90 D 48A               BC     9,1162( 0,13)            $99
0004096  47 F0 D 474        100031 BC    15,1140( 0,13)            $90
000409A  48 30 7 12A          27   LH     3, 298( 0, 7)           ACAL
000409E  59 30 D 14C               C      3, 332( 0,13)             3E8
00040A2  47 B0 D 48A               BC    11,1162( 0,13)            $99
00040A6  47 F0 D 474        100032 BC    15,1140( 0,13)            $90
00040AA  48 30 7 C78          28   LH     3, 120( 0, 7)          PCFBFR
00040AE  12 33                     LTR    3, 3
00040B0  47 90 D 48A               BC     9,1162( 0,13)            $99
00040B4  47 F0 D 474        100033 BC    15,1140( 0,13)            $90
00040B8  48 30 7 C78          29   LH     3, 120( 0, 7)          PCFBFR
00040BC  12 33                     LTR    3, 3
00040BE  47 60 D 48A               BC     6,1162( 0,13)            $99
00040C2  47 F0 D 474        100034 BC    15,1140( 0,13)            $90
00040C6  48 30 7 12A          30   LH     3, 298( 0, 7)           ACAL
00040CA  59 30 D 144               C      3, 324( 0,13)              64
00040CE  47 B0 D 48A               BC    11,1162( 0,13)            $99
00040D2  47 F0 D 474        100035 BC    15,1140( 0,13)            $90
00040D6  48 30 7 C02          31   LH     3,   2( 0, 7)          PCFBFR
00040DA  12 33                     LTR    3, 3
00040DC  47 90 D 48A               BC     9,1162( 0,13)            $99
00040E0  47 F0 D 474        100036 BC    15,1140( 0,13)            $90
00040E4  48 30 7 002          32   LH     3,   2( 0, 7)          PCFBFR
00040E8  12 33                     LTR    3, 3
00040EA  47 60 D 48A               BC     6,1162( 0,13)            $99
00040EE  47 F0 D 474        100037 BC    15,1140( 0,13)            $90
00040F2  48 30 9 018          33   LH     3,   24( 0, 9)          FORNUM
00040F6  59 30 D 0F8               C      3, 248( 0,13)              2
00040FA  47 60 D 48A               BC     6,1162( 0,13)            $99
00040FE  47 F0 D 474        100038 BC    15,1140( 0,13)            $90
0004102  48 30 7 12C          34   LH     3, 300( 0, 7)           ACAL
0004106  12 33                     LTR    3, 3
0004108  47 90 D 48A               BC     9,1162( 0,13)            $99
000410C  48 30 9 018        100039 LH      3,   24( 0, 9)          FORNUM
0004110  59 30 D 10C               C      3, 268( 0,13)               A
0004114  47 90 D 474               BC     9,1140( 0,13)            $90
0004118  47 F0 D 48A        100040 BC    15,1162( 0,13)            $99
000411C  41 10 D 0E8          990  LA     1, 232( 0,13)
0004120  58 F0 D 188               L     15, 392( 0,13)          IEOR
0004124  05 EF                     BALR  14,15
0004126  47 00 0 0B0               BC     0, 176( 0, 0)
000412A  40 00 D 198               STH    0, 408( 0,13)           .T02
000412E  40 00 D 164               STH    0, 356( 0,13)          TRLTH
0004132  1B FF                999  SR    15,15
0004134  58 E0 D 000               L     14,   0( 0,13)
0004138  07 FE                     BCR   15,14
ADDRESS OF EPILOGUE
000413A  58 80 D 004               L      8,   4( 0,13)
000413E  58 E0 8 00C               L     14,  12( 0, 8)
0004142  58 10 8 018               L      1,  24( 0, 8)
0004146  58 30 1 000               L      3,   0( 0, 1)
000414A  48 40 D 164               LH     4, 356( 0,13)          TRLTH
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                0004CE  40 40 3 000             STH    4,   0( 0, 3)
                0004D2  18 D8                   LR    13, 8
                0004D4  98 2C D 01C             LM     2,  28(12,13)
                0004D8  92 FF D 00C             MVI   15,  12(15,13)
                0004DC  07 FE                   BCR   15,14
ADDRESS OF PROLOGUE
                0004DE  98 45 1 000             LM     4,   0( 5, 1)
                0004E2  48 20 4 000             LH     2,   0( 0, 4)
                0004E6  40 20 D 164             STH    2, 356( 0,13)          TRUTH
                0004EA  48 20 5 000             LH     2,   0( 0, 5)
                0004EE  40 20 D 15A             STH    2, 346( 0,13)          NUM
                0004F2  47 F0 D 1A0             BC    15, 416( 0,13)
ADCON FOR PROLOGUE
                000020  000004DE               DC    XL4'000004DE'
ADCON FOR SAVE AREA
                000024  00000028               DC    XL4'00000028'
ADCON FOR EPILOGUE
                000028  000004BA               DC    XL4'000004BA'
ADCONS FOR BRANCH TABLES
                000074  00000238               DC    XL4'00000238'
                000078  00000238               DC    XL4'00000238'
                00007C  00000246               DC    XL4'00000246'
                000080  00000254               DC    XL4'00000254'
                000084  00000264               DC    XL4'00000264'
                000088  00000274               DC    XL4'00000274'
                00008C  00000284               DC    XL4'00000284'
                000090  00000294               DC    XL4'00000294'
                000094  000002D4               DC    XL4'000002D4'
                000098  00000314               DC    XL4'00000314'
                00009C  00000322               DC    XL4'00000322'
                0000A0  00000330               DC    XL4'00000330'
                0000A4  0000033E               DC    XL4'0000033E'
                0000A8  0000034C               DC    XL4'0000034C'
                0000AC  0000035C               DC    XL4'0000035C'
                0000B0  0000036A               DC    XL4'0000036A'
                0000B4  00000378               DC    XL4'00000378'
                0000B8  00000386               DC    XL4'00000386'
                0000BC  00000394               DC    XL4'00000394'
                0000C0  000003A2               DC    XL4'000003A2'
                0000C4  00000380               DC    XL4'00000380'
                0000C8  000003BE               DC    XL4'000003BE'
                0000CC  000003CC               DC    XL4'000003CC'
                0000D0  000003DC               DC    XL4'000003DC'
                0000D4  000003EC               DC    XL4'000003EC'
                0000D8  000003FA               DC    XL4'000003FA'
                0000DC  0000040A               DC    XL4'0000040A'
                0000E0  0000041A               DC    XL4'0000041A'
                0000E4  0000042A               DC    XL4'0000042A'
                0000E8  00000438               DC    XL4'00000438'
                0000EC  00000446               DC    XL4'00000446'
                0000F0  00000456               DC    XL4'00000456'
                0000F4  00000464               DC    XL4'00000464'
                0000F8  00000472               DC    XL4'00000472'
                0000FC  00000482               DC    XL4'00000482'
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ADCONS FOR PARAMETER LISTS
                000100  0000018C            DC    XL4'0000018C'          TRUTH
                000104  80000180            DC    XL4'80000180'            INL
                000108  0000018C            DC    XL4'0000018C'          TRUTH
                00010C  80000188            DC    XL4'80000188'          K7FFF
                000110  0000018C            DC    XL4'0000018C'          TRUTH
                000114  8000018A            DC    XL4'8000018A'          K8C00
TEMPORARIES AND PHASE 20 CONSTANTS
                0001B8  00000000            DC    XL4'00000000'
                0001BC  00000000            DC    XL4'00000000'
                0001C0  00000000            DC    XL4'00000000'
                0001C4  00000000            DC    XL4'00000000'
ADCONS FOR B BLOCK LABELS
```

NAME	TAG	TYPE	ADD.	NAME	TAG	TYPE	ADD.	NAME	TAG	TYPE	ADD.	NAME	TAG	TYPE	ADD.
I	SF	I*2	00017C	IX	SF	I*2	00017E	GMT	C	I*2	N.R.	IN1	SFA	I*2	000180
MFO	C	I*2	N.R.	NUM	F	I*2	000182	RFA	C	I*2	N.R.	RFB	C	I*2	N.R.
RFC	C	I*2	N.R.	RFD	C	I*2	N.R.	RFE	C	I*2	N.R.	RFF	C	I*2	N.R.
ACAL	C	I*2	000120	DGIF		I*2	000184	FOGO	C	I*2	N.R.	IAND	F XF	I*2	000000
IEOR	F XF	I*2	000000	IPCF	C	I*2	N.R.	ISMO	C	I*2	N.R.	MBLK	C	I*2	N.R.
ZCAL	C	R*4	0000A0	BTIME	SF	I*2	000186	FLT16		R*4	N.R.	FOIND	C	I*2	N.R.
FONUM	C	I*2	000018	FCSEL	C	I*2	N.R.	ISHIF	F XF	I*2	000000	K7FFF	FA	I*2	000188
K80GO	FA	I*2	00018A	MBITH	C	I*2	N.R.	MBITL	C	I*2	N.R.	MERGE	C	I*2	N.R.
NTIME	F C	I*2	000046	OFLOW	C	I*2	N.R.	ONSEQ	C	I*2	N.R.	PBLKI	C	I*2	N.R.
PMSGN	C	I*2	N.R.	PPCFI	C	I*2	N.R.	PPCFN	C	I*2	N.R.	PPCFV	C	I*2	N.R.
QBLKI	C	I*2	N.R.	QPCFI	C	I*2	N.R.	QPCFN	C	I*2	N.R.	QPCFV	C	I*2	N.R.
STATE	C	I*2	N.R.	STFLG	C	I*2	N.R.	TIMEX	C	I*2	N.R.	TRUTH	SFA	I*2	00018C
ACTHLD	C	I*2	N.R.	ACTOFF	C	I*2	N.R.	ACTRST	C	I*2	N.R.	FOSTRT	C	I*2	N.R.
HEXIND	C	I*2	N.R.	MENIND	C	I*2	N.R.	MZFFFF	C	I*2	N.R.	MZFFF0	C	I*2	N.R.
MZFF00	C	I*2	N.R.	MZF000	C	I*2	N.R.	MZOFFF	C	I*2	N.R.	MZOFF0	C	I*2	N.R.
MZOFC0	C	I*2	N.R.	MZ00FF	C	I*2	N.R.	MZ00F0	C	I*2	N.R.	MZ000F	C	I*2	N.R.
MZ0000	C	I*2	N.R.	OFFSEQ	C	I*2	N.R.	PCFBFR	C	I*2	000000	ROUTIX	C	I*2	N.R.
SMOSEL	C	I*2	N.R.												

***** COMMON INFORMATION *****

NAME OF COMMON BLOCK *DEPCOM* SIZE OF BLOCK 000078 HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
STATE	I*2	N.R.	ISMO	I*2	N.R.	IPCF	I*2	N.R.	FOGO	I*2	N.R.
ACTHLD	I*2	N.R.	ACTOFF	I*2	N.R.	ACTRST	I*2	N.R.	RFA	I*2	N.R.
RFB	I*2	N.R.	RFC	I*2	N.R.	RFD	I*2	N.R.	RFE	I*2	N.R.
RFF	I*2	N.R.	MBLK	I*2	N.R.	MFO	I*2	N.R.	TIMEX	I*2	N.R.
MERGE	I*2	N.R.	MZ0000	I*2	N.R.	MZ000F	I*2	N.R.	MZ00F0	I*2	N.R.
MZOF00	I*2	N.R.	MZF000	I*2	N.R.	MZ00FF	I*2	N.R.	MZOFF0	I*2	N.R.
MZFF00	I*2	N.R.	MZOFFF	I*2	N.R.	MZFFF0	I*2	N.R.	MZFFFF	I*2	N.R.
MBITL	I*2	N.R.	MBITH	I*2	N.R.						

NAME OF COMMON BLOCK * FOFLG* SIZE OF BLOCK 00005C HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
FOSEL	I*2	N.R.	SMOSEL	I*2	N.R.	STFLG	I*2	N.R.	PMSGN	I*2	N.R.
PBLKI	I*2	N.R.	PPCFI	I*2	N.R.	PPCFV	I*2	N.R.	PPCFN	I*2	N.R.
QBLKI	I*2	N.R.	QPCFI	I*2	N.R.	QPCFV	I*2	N.R.	QPCFN	I*2	N.R.
FONUM	I*2	000018	GMT	I*2	N.R.	MENIND	I*2	N.R.	FOSTRT	I*2	N.R.
ONSEQ	I*2	N.R.	OFFSEQ	I*2	N.R.	OFLOW	I*2	N.R.	NTIME	I*2	000046
ROUTIX	I*2	N.R.									

NAME OF COMMON BLOCK *PCFBUF* SIZE OF BLOCK 000134 HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
PCFBFR	I*2	000000	ZCAL	R*4	0000A0	ACAL	I*2	000120			

NAME OF COMMON BLOCK *FOCSCT* SIZE OF BLOCK 00012C HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
FOIND	I*2	N.R.									

NAME OF COMMON BLOCK *HIXCSCT* SIZE OF BLOCK 00012C HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
HEXIND	I*2	N.R.									

LABEL	ADDR	LABEL	ADDR	LABEL	ADDR	LABEL	ADDR
100	0001C8	1	000238	2	000246	3	000254
4	000264	5	000274	6	000284	7	000294
71	0002A0	72	0002BE	8	0002D4	81	0002E0
82	0002FE	9	000314	10	000322	11	000330
12	00033E	13	00034C	14	00035C	15	00036A
16	000378	17	000386	18	000394	19	0003A2
20	0003B0	21	0003BE	22	0003CC	23	0003DC
24	0003EC	25	0003FA	26	00040A	27	00041A
28	00042A	29	000438	30	000446	31	000456
32	000464	33	000472	34	000482	990	0004AC
999	0004B2						

OPTIONS IN EFFECT NAME= MAIN,OPT=02,LINECNT=56,SIZE=0000K,

OPTIONS IN EFFECT SOURCE,EBCDIC,LIST,NODECK,LOAD,MAP,NOEDIT,ID,NOXREF

STATISTICS SOURCE STATEMENTS = 178 ,PROGRAM SIZE = 1270

STATISTICS NO DIAGNOSTICS GENERATED

****** END OF COMPILATION ****** 91K BYTES OF CORE NOT USED

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        COMPILER OPTIONS - NAME=  MAIN,OPT=02,LINECNT=56,SIZE=0000K,
                           SOURCE,EBCDIC,LIST,NODECK,LOAD,MAP,NOEDIT,ID,NOXREF
ISN 0002          SUBROUTINE DOCALC(NUM,HTIME)                                  VERISW
                C*************************************************              VERISW
                C*************************************************              VERISW
                C** THIS ROUTINE PERFORMS THE CALCULATIONS**                    VERISW
                C** FOR HEXTAB.                            **                   VERISW
                C*************************************************              VERISW
                C*************************************************              VERISW
                C**                -- DECLARE (U-W) INTEGER (32-BITS)           VERISW
                C**                -- DECLARE (A-T) INTEGER (16 BITS)           VERISW
                C**                -- DECLARE (X-Z) REAL    (32-BITS)           VERISW
                C                                                               VERISW
ISN 0003          IMPLICIT INTEGER*2 (A-T), INTEGER*4 (U-W), REAL*4 (X-Z)       VERISW
                C                                                               VERISW
                C                                                               VERISW
ISN 0004          COMMON /DEPCOM/ STATE,ISMO,IPCF,FOGC,ACTHLD,ACTOFF,ACTRST,    VERISW
                .                 RFA,RFB,RFC,RFD,RFE,RFF,MBLK,MFC,TIMEX,MERGE, VERISW
                .                 MZOOOO,MZOOOF,MZOOFO,MZOFOO,MZFOOO,MZOOFF,MZOFFO VERISW
                .                ,MZFFOO,MZOFFF,MZFFFO,MZFFFF,MBITL(16),MBITH(16) VERISW
ISN 0005          COMMON /COEFF/  XAH,XBH,XAIB1,XBIB1,XCIB1,XDIB1,XAIB0,XBIB0,  VERISW
                .       XCIB0,XDIB0,XAVB,XBVB,XAF,XAF0,XBF,XAX,XAY,XCX,XCY      VERISW
                C                                                               VERISW
ISN 0006          COMMON /MSGCOM/ MESFLG,MESCCM(32),MSGBL9(32),MSGBLA(32)       VERISW
                C                                                               VERISW
ISN 0007          COMMON /TLBUF/ TLHED(6),CXREG(6,100),CBLK                     VERISW
ISN 0008          COMMON /HXCSCT/ HEXIND(150)                                   VERISW
ISN 0009          COMMON /PCFBUF/ PCFBFR(80),ZCAL(32),ACAL(10)                  VERISW
ISN 0010          COMMON /FOFLG/ FOSEL,SMOSEL,STFLG,FPSGN,PBLKI,PPCFI,PPCFV,    VERISW
                .                PPCFN,CBLKI,CPCFI,CPCFV,CPCFN,FCNUM(4),CNT(3,4), VERISW
                .                PENIND,FOSTRT(3),ONSEQ,CFFSEQ,CFLOW,ATIME,ROUTIX(10) VERISW
                C                                                               VERISW
ISN 0011          COMMON /HEXCOM/ HEXTAB(528C)                                  VERISW
ISN 0012          COMMON /GNCCOM/ GNCBFR(28)                                    VERISW
                C                                                               VERISW
ISN 0013          REAL FLT16                                                    VERISW
ISN 0014          REAL ROOT                                                     VERISW
ISN 0015          REAL TAN                                                      VERISW
ISN 0016          REAL COS                                                      VERISW
ISN 0017          REAL SIN                                                      VERISW
ISN 0018          REAL ABS                                                      VERISW
ISN 0019          REAL ARCTAN                                                   VERISW
ISN 0020          REAL AFBF(2,5)                                                VERISW
ISN 0021          REAL UTEMP1,UTEMP2,UTEMP3,UTEMP4,UTEMP5,UTEMP6                VERISW
ISN 0022          REAL UANG1,UANG2,UANG3                                        VERISW
ISN 0023          INTEGER*2 IANG1(2,3)                                          VERISW
ISN 0024          EQUIVALENCE(IANG1(1,1),UANG1)                                 VERISW
ISN 0025          EQUIVALENCE(IANG1(1,2),UANG2)                                 VERISW
ISN 0026          EQUIVALENCE(IANG1(1,3),UANG3)                                 VERISW
ISN 0027          DATA AFBF/1.0,0.05,1.15,0.05,.85,0.05,0.0,2.58,0.0,2.26/      VERISW
                C*************************************************              VERISW
ISN 0028        100 CONTINUE                                                    VERISW
                C                                                               VERISW
                C                                                               VERISW
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                C     COMPUTE CAL INDEX                                          VERISW
ISN 0029              I=NUM+1                                                    VERISW
ISN 0030              IF(I.GE.28) GO TO 999                                      VERISW
ISN 0032              GO TO (1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,             VERISW
                     +       17,18,19,20,21,22,23,24,25,26,27),I                 VERISW
ISN 0033            1 CONTINUE                                                   VERISW
                C     L=HVCSW1+HVCSW2+HVCSW3+HVCSW4+HVCSW5+HVCSW6                 VERISW
ISN 0034              K=0                                                        VERISW
ISN 0035              DO 101 J=39,44                                             VERISW
ISN 0036              K=K+PCFBFR(J)                                              VERISW
ISN 0037          101 CONTINUE                                                   VERISW
ISN 0038              ZCAL(1)=FLT16(K)                                           VERISW
ISN 0039              GO TO 999                                                  VERISW
                C                                                                VERISW
ISN 0040            2 CONTINUE                                                   VERISW
                C     VBMAX=1.25 * L                                             VERISW
ISN 0041              ZCAL(2) = 1.25 * ZCAL(1)                                   VERISW
ISN 0042              GO TO 999                                                  VERISW
                C                                                                VERISW
ISN 0043            3 CONTINUE                                                   VERISW
                C     IBMAX = 7.8E-02 * VBMAX**(3/2)                             VERISW
ISN 0044              ZCAL(3) = 0.078 * ROOT(ZCAL(2),1.5)                        VERISW
ISN 0045              GO TO 999                                                  VERISW
                C                                                                VERISW
ISN 0046            4 CONTINUE                                                   VERISW
                C     HTRADJ = AH * I + BH                                       VERISW
ISN 0047              ZCAL(4) = (XAH*FLT16(PCFBFR(34))/10.0+XBH)                 VERISW
ISN 0048              J=4                                                        VERISW
ISN 0049              GO TO 990                                                  VERISW
                C                                                                VERISW
ISN 0050            5 CONTINUE                                                   VERISW
                C     IBO = 1.56E-02 * VB**(3/2)                                 VERISW
ISN 0051              ZCAL(5)=0.0156*(RCOT(ZCAL(30),1.5))                        VERISW
ISN 0052              GO TO 999                                                  VERISW
                C                                                                VERISW
ISN 0053            6 CONTINUE                                                   VERISW
                C     IBC = 5.1E-03 * VB                                         VERISW
ISN 0054              ZCAL(6) = 0.0051*ZCAL(30)                                  VERISW
ISN 0055              GO TO 999                                                  VERISW
                C                                                                VERISW
ISN 0056            7 CONTINUE                                                   VERISW
                C     BMCADJ = (AIB*(IB+BIB*VB+CIB)**(2/3)+DIB)/VB               VERISW
ISN 0057              ZCAL(7)=0.0                                                VERISW
ISN 0058              IF(ZCAL(30).EQ.0) GO TO 71                                 VERISW
ISN 0060              ZCAL(7)=((XAIB1*RCOT((ZCAL(31)+XBIE1*ZCAL(30)+XCIB1),.66666)  VERISW
                     +       +XDIB1)/ZCAL(30))                                   VERISW
ISN 0061           71 CONTINUE                                                   VERISW
ISN 0062              J=7                                                        VERISW
ISN 0063              GO TO 990                                                  VERISW
                C                                                                VERISW
ISN 0064            8 CONTINUE                                                   VERISW
                C     BMCADJ=(IB/IBC)*(AIB1*(IBC+BIB*VB+CIB)**(2/3)+DIB))/VB     VERISW
ISN 0065              ZCAL(8)=0.0                                                VERISW
ISN 0066              IF(ZCAL(30).EQ.0) GO TO 81                                 VERISW
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ISN 0068          ZCAL(8)=(ZCAL(31)/ZCAL(6))*XAIBI*(FGOT((ZCAL(6)+XBIBI      VERISW
                 .       *ZCAL(30)+XCIBI),.66666)+XDIBI)/ZCAL(30)           VERISW
ISN 0069        81 CONTINUE                                                 VERISW
ISN 0070          J=8                                                       VERISW
ISN 0071          GO TO 990                                                 VERISW
                C                                                           VERISW
ISN 0072         9 CONTINUE                                                 VERISW
                C   BMVADJ = AVB * VB + BVB                                  VERISW
ISN 0073          ZCAL(9) =(XAVB*ZCAL(30)+XBVB)                             VERISW
ISN 0074          J=9                                                       VERISW
ISN 0075          GO TO 990                                                 VERISW
                C                                                           VERISW
ISN 0076        10 CONTINUE                                                 VERISW
ISN 0077          XXAF=XAF                                                  VERISW
ISN 0078          XXBF=XBF                                                  VERISW
ISN 0079          IF(ACAL(2).EQ.0) GO TO 107                                VERISW
ISN 0081          XXAF=AFBF(1,ACAL(2))                                      VERISW
ISN 0082          XXBF=AFBF(2,ACAL(2))                                      VERISW
ISN 0083        107 CONTINUE                                                VERISW
                C   FGCCN = (AF*AFO)*VB**(1/8)*IB**(1/4)+BF                  VERISW
ISN 0084          ZCAL(10) = ((XXAF*XAFO)*ROOT(ZCAL(30),.125)               VERISW
                 .       *ROOT(ZCAL(31),.25)+XXBF)                         VERISW
ISN 0085          J=10                                                      VERISW
ISN 0086          GO TO 990                                                 VERISW
                C                                                           VERISW
ISN 0087        11 CONTINUE                                                 VERISW
                C   DEFCNX = AX*IMSQRT(VB)*IMABS(THETXO)+CX                  VERISW
ISN 0088          ZCAL(11)=(XAX*ROOT(ZCAL(30),.5)                           VERISW
                 .       *ABS(ZCAL(16))+XCX)                               VERISW
ISN 0089          J=11                                                      VERISW
ISN 0090          GO TO 990                                                 VERISW
                C                                                           VERISW
ISN 0091        12 CONTINUE                                                 VERISW
                C   DEFCNY = AY+IMSQRT(VB)*IMABS(THETYO)+CY                  VERISW
ISN 0092          ZCAL(12)=(XAY*ROOT(ZCAL(30),.5)                           VERISW
                 .       *ABS(ZCAL(17))+XCY)                               VERISW
ISN 0093          J=12                                                      VERISW
ISN 0094          GO TO 990                                                 VERISW
                C                                                           VERISW
ISN 0095        13 CONTINUE                                                 VERISW
                C   NOCM = PF1+PF2+PF3+PF4                                  VERISW
ISN 0096          K=PCFBFR(52)+PCFBFR(53)+PCFBFR(54)+PCFBFR(55)             VERISW
ISN 0097          ZCAL(13)=FLT16(K)                                         VERISW
ISN 0098          GO TO 999                                                 VERISW
                C                                                           VERISW
ISN 0099        14 CONTINUE                                                 VERISW
                C   VB=VBMAX                                                VERISW
ISN 0100          ZCAL(30)=ZCAL(2)                                          VERISW
ISN 0101          GO TO 999                                                 VERISW
                C                                                           VERISW
ISN 0102        15 CONTINUE                                                 VERISW
                C   IB=IBMAX                                                VERISW
ISN 0103          ZCAL(31)=ZCAL(3)                                          VERISW
ISN 0104          GO TO 999                                                 VERISW
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                C                                                                VERISW
ISN 0105            20 CONTINUE                                                  VERISW
                C       I8=.078*VB**3/2                                          VERISW
ISN 0106                ZCAL(31)=.078*ROOT(ZCAL(30),1.5)                         VERISW
ISN 0107                GO TO 999                                                VERISW
                C                                                                VERISW
ISN 0108            16 CONTINUE                                                  VERISW
                C       EDO-3=(TAUEM+500)/100                                    VERISW
ISN 0109                TEMP=100*PCFBFR(26)-500                                  VERISW
ISN 0110                PCFBFR(76)=TEMP+500/100                                  VERISW
ISN 0111                GO TO 999                                                VERISW
                C                                                                VERISW
                C                                                                VERISW
                C       SET XAIB1,XBIB1,XCIB1,XDIB1                              VERISW
ISN 0112            17 CONTINUE                                                  VERISW
ISN 0113                XAIB1=22.5                                               VERISW
ISN 0114                XBIB1=0.0                                                VERISW
ISN 0115                XCIB1=0.0                                                VERISW
ISN 0116                XDIB1=0.79                                               VERISW
ISN 0117                GO TO 999                                                VERISW
                C                                                                VERISW
                C       SET XAIB1,XBIB1,XCIB1,XDIB1                              VERISW
ISN 0118            18 CONTINUE                                                  VERISW
ISN 0119                XAIB1=36.3                                               VERISW
ISN 0120                XBIB1=-1.2E-3                                            VERISW
ISN 0121                XCIB1=1.3E-3                                             VERISW
ISN 0122                XDIB1=4.08                                               VERISW
ISN 0123                GO TO 999                                                VERISW
                C                                                                VERISW
                C       THETX                                                    VERISW
ISN 0124            19 CONTINUE                                                  VERISW
                C       SELECT PITCH ANGLE                                       VERISW
ISN 0125                BTIME=NTIME                                              VERISW
ISN 0126                IX=48                                                    VERISW
ISN 0127          1905 CONTINUE                                                  VERISW
ISN 0128                BTIME=BTIME-600                                          VERISW
ISN 0129                IF(BTIME.LT.0) GO TO 1910                                VERISW
ISN 0131                IX=97-IX                                                 VERISW
ISN 0132                GO TO 1905                                               VERISW
ISN 0133          1910 CONTINUE                                                  VERISW
ISN 0134                CALL MOVE (MSGBLA(11),IANG1(1,1),4)                      VERISW
                C       CALCULATE BEAM DEFLECTION ANGLES                         VERISW
                C       ANGLE RANGE TESTS                                        VERISW
ISN 0135                IF(UANG1.LT.0.0) UANG1=0.0                               VERISW
ISN 0137                IF(UANG1.GT.360.0) UANG1=360.0                           VERISW
ISN 0139                IF(UANG2.LT.0.0) UANG2=0.0                               VERISW
ISN 0141                IF(UANG2.GT.180.0) UANG2=180.0                           VERISW
                C       FO TEST                                                  VERISW
ISN 0143                IF(FONUM(1).GT.13) GO TO 1960                            VERISW
ISN 0145                IF(UANG2.LE. 90.0) GO TO 1980                            VERISW
ISN 0147                GO TO 1970                                               VERISW
ISN 0148          1960 CONTINUE                                                  VERISW
                C       FO'S 11 AND 12                                           VERISW
ISN 0149                IF (UANG1.GE.180.0) GO TO 1980                           VERISW
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ISN 0151        1970 CONTINUE                                                   VERISW
ISN 0152             IF(UANG1.GE.180.0) GO TO 1975                              VERISW
ISN 0154             UANG1=UANG1+180.0                                          VERISW
ISN 0155             GO TO 1978                                                 VERISW
ISN 0156        1975 CONTINUE                                                   VERISW
ISN 0157             UANG1=UANG1-180.0                                          VERISW
ISN 0158        1978 CONTINUE                                                   VERISW
ISN 0159             UANG2=180.0 - UANG2                                        VERISW
ISN 0160        1980 CONTINUE                                                   VERISW
                C    IS COEL GREATER OR EQUAL THETAL                            VERISW
ISN 0161             UTEMP3 = FLT16(PCFBFR(IX))                                 VERISW
ISN 0162             UTEMP4 = UANG2-UTEMP3                                      VERISW
ISN 0163             IF(UANG2.GE.UTEMP3) GO TO 1990                             VERISW
ISN 0165             UTEMP4=-UTEMP4                                             VERISW
ISN 0166             IF(UANG1.GE.180.0) GO TO 1985                              VERISW
ISN 0168             UANG1=UANG1+180.0                                          VERISW
ISN 0169             GO TO 1990                                                 VERISW
ISN 0170        1985 CONTINUE                                                   VERISW
ISN 0171             UANG1=UANG1-180.0                                          VERISW
ISN 0172        1990 CONTINUE                                                   VERISW
ISN 0173             IF(UTEMP4.GT.30.0) UTEMP4=30.0                             VERISW
ISN 0175             XTEMP=TAN(UTEMP4)                                          VERISW
ISN 0176             ZCAL(16)=ARCTAN(XTEMP*COS(UANG1))                          VERISW
ISN 0177             ZCAL(17)=ARCTAN(-XTEMP*SIN(UANG1))                         VERISW
ISN 0178             GO TO 999                                                  VERISW
                C                                                               VERISW
                C                                                               VERISW
ISN 0179          21 CONTINUE                                                   VERISW
ISN 0180             GO TO 999                                                  VERISW
                C                                                               VERISW
ISN 0181          22 CONTINUE                                                   VERISW
ISN 0182             CALL MOVE (MSGBLA(11),ZCAL(22),4)                          VERISW
                C     PLACE ANGLES IN RANGE                                     VERISW
ISN 0183              IF(ZCAL(22).LT.0.0) ZCAL(22)=0.0                          VERISW
ISN 0185              IF(ZCAL(22).GT.360.0) ZCAL(22)=360.0                      VERISW
ISN 0187              IF(ZCAL(23).LT.0.0) ZCAL(23)=0.0                          VERISW
ISN 0189              IF(ZCAL(23).GT.180.0) ZCAL(23)=180.0                      VERISW
                C     CONVERT ANGELS                                            VERISW
ISN 0191              IF(ZCAL(22).GE.90.0) GO TO 222                            VERISW
ISN 0193              ZCAL(22) = ZCAL(22) + 180.0                               VERISW
ISN 0194              IF(ZCAL(23).LT.30.0) GO TO 226                            VERISW
ISN 0196              IF(ZCAL(23).LT.90.0) GO TO 228                            VERISW
ISN 0198              GO TO 229                                                 VERISW
ISN 0199          222 CONTINUE                                                  VERISW
ISN 0200              IF(ZCAL(22).GE.270.0) GO TO 224                           VERISW
ISN 0202              IF(ZCAL(23).LT.90.0) GO TO 230                            VERISW
ISN 0204              IF(ZCAL(23).LT.150.0) GO TO 228                           VERISW
ISN 0206              ZCAL(23)=ZCAL(23)-180.0                                   VERISW
ISN 0207              GO TO 230                                                 VERISW
ISN 0208          224 CONTINUE                                                  VERISW
ISN 0209              ZCAL(22) = ZCAL(22)-180.0                                 VERISW
ISN 0210              IF(ZCAL(23).GE.30.0) GO TO 227                            VERISW
ISN 0212          226 CONTINUE                                                  VERISW
ISN 0213              ZCAL(23)=-ZCAL(23)                                        VERISW
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ISN 0214          GO TO 230                                                  VERISW
ISN 0215        227 CONTINUE                                                 VERISW
ISN 0216          IF(ZCAL(23).GE.90.0) GO TO 229                             VERISW
ISN 0218        228 CONTINUE                                                 VERISW
ISN 0219          ZCAL(23)=-30.0                                             VERISW
ISN 0220          GO TO 230                                                  VERISW
ISN 0221        229 CONTINUE                                                 VERISW
ISN 0222          ZCAL(23)=180.0-ZCAL(23)                                    VERISW
ISN 0223        230 CONTINUE                                                 VERISW
                C     CONVERT DEGREES TO PULSES                              VERISW
                C     AZMIUTH                                                VERISW
ISN 0224          XTEMP=(270.0-ZCAL(22))*255.0/180.0                         VERISW
ISN 0225          PCFBFR(77)=INT16(XTEMP)                                    VERISW
                C     COEL                                                   VERISW
ISN 0226          XTEMP=(ZCAL(23)+30.0)*255.0/150.0                          VERISW
ISN 0227          PCFBFR(78)=INT16(XTEMP)                                    VERISW
ISN 0228           GO TO 999                                                 VERISW
                C                                                            VERISW
ISN 0229         23 CONTINUE                                                 VERISW
                C     IF PWIDTH < .1  EPW=PWIDTH*100 & EPWM=1                VERISW
                C     IF PWIDTH < 1.0 EPW=PWIDTH*10 & EPWM=2                 VERISW
                C     IF PWIDTH <10.0 EPW=PWIDTH & EPWM=3                    VERISW
ISN 0230          IF(ACAL(5).GE.10) GO TO 231                                VERISW
ISN 0232          PCFBFR(76)=ACAL(5)                                         VERISW
ISN 0233          PCFBFR(77)=1                                               VERISW
ISN 0234          GO TO 999                                                  VERISW
ISN 0235        231 CONTINUE                                                 VERISW
ISN 0236          IF(ACAL(5).GT.150) GO TO 232                               VERISW
ISN 0238          PCFBFR(76)=ACAL(5)/10                                      VERISW
ISN 0239          PCFBFR(77)=2                                               VERISW
ISN 0240          GO TO 999                                                  VERISW
ISN 0241        232 CONTINUE                                                 VERISW
ISN 0242          PCFBFR(76)=ACAL(5)/100                                     VERISW
ISN 0243          PCFBFR(77)=3                                               VERISW
                C                                                            VERISW
ISN 0244         24 CONTINUE                                                 VERISW
                C     EDMO-3=PWIDTH                                          VERISW
ISN 0245          PCFBFR(76)=ACAL(5)/100                                     VERISW
ISN 0246          GO TO 999                                                  VERISW
ISN 0247         25 CONTINUE                                                 VERISW
                C     SET SOFTWARE PWIDTH DELAY                              VERISW
ISN 0248          IF(ACAL(5).GE.255)ACAL(5)=255                              VERISW
ISN 0250          GO TO 999                                                  VERISW
                C                                                            VERISW
ISN 0251         26 CONTINUE                                                 VERISW
ISN 0252          GO TO 999                                                  VERISW
ISN 0253         27 CONTINUE                                                 VERISW
                C     SMO CALCULATION USING SMO THEO                         VERISW
ISN 0254          IX=1                                                       VERISW
ISN 0255          GO TO 1910                                                 VERISW
ISN 0256        950 CONTINUE                                                 VERISW
ISN 0257          IF(ZCAL(J).LE.0.0) ZCAL(J)=0.0                             VERISW
ISN 0259          IF(ZCAL(J).GE.5.0) ZCAL(J)=5.0                             VERISW
ISN 0261          XTEMP=128.0 - 128.0/4.98 * (ZCAL(J)-.02)                   VERISW
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ISN 0262            PCFBFR(76)=INT16(XTEMP)                                  VERISW
ISN 0263        999 CONTINUE                                                 VERISW
ISN 0264            RETURN                                                   VERISW
ISN 0265            END                                                      VERISW
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000000  47 F0 F 00C     DOCALC    BC      15,12(0,15)
000004  07                        CC      XL1'07'
000005  C4D6C3C1D3C340            CC      CL7'DOCALC '
00000C  90 EC D 00C               STM     14,12,12(13)
000010  18 4D                    LR      4,13
000014  98 CD F 020               LM      12,13,32(15)
000018  50 40 D 004               ST      4,4(0,13)
00001A  50 D0 4 008               ST      13,8(0,4)
00001E  07 FC                     BCR     15,12

CONSTANTS
000140  00000000                  DC      XL4'00000000'
000144  00000001                  DC      XL4'00000001'
000148  00000002                  DC      XL4'00000002'
00014C  00000003                  DC      XL4'00000003'
000150  00000004                  DC      XL4'00000004'
000154  00000005                  DC      XL4'00000005'
000158  00000006                  DC      XL4'00000006'
00015C  00000007                  DC      XL4'00000007'
000160  00000008                  DC      XL4'00000008'
000164  00000009                  DC      XL4'00000009'
000168  0000000A                  DC      XL4'0000000A'
00016C  0000000B                  DC      XL4'0000000B'
000170  0000000C                  DC      XL4'0000000C'
000174  0000000D                  DC      XL4'0000000D'
000178  00000010                  DC      XL4'00000010'
00017C  00000011                  DC      XL4'00000011'
000180  00000016                  DC      XL4'00000016'
000184  00000017                  DC      XL4'00000017'
000188  0000001A                  DC      XL4'0000001A'
00018C  0000001C                  DC      XL4'0000001C'
000190  0000001E                  DC      XL4'0000001E'
000194  0000001F                  DC      XL4'0000001F'
000198  00000022                  DC      XL4'00000022'
00019C  00000027                  DC      XL4'00000027'
0001A0  0000002C                  DC      XL4'0000002C'
0001A4  00000030                  DC      XL4'00000030'
0001A8  00000034                  DC      XL4'00000034'
0001AC  00000035                  DC      XL4'00000035'
0001B0  00000036                  DC      XL4'00000036'
0001B4  00000037                  DC      XL4'00000037'
0001B8  0000004C                  DC      XL4'0000004C'
0001BC  0000004D                  DC      XL4'0000004D'
0001C0  0000004E                  DC      XL4'0000004E'
0001C4  00000061                  DC      XL4'00000061'
0001C8  00000064                  DC      XL4'00000064'
0001CC  00000096                  DC      XL4'00000096'
0001D0  000000FF                  DC      XL4'000000FF'
0001D4  000001F4                  DC      XL4'000001F4'
0001D8  00000258                  DC      XL4'00000258'
0001DC  3E4EA4A8                  DC      XL4'3E4EA4A8'
0001E0  3E553261                  DC      XL4'3E553261'
0001E4  3F14E38C                  DC      XL4'3F14E38C'
0001E8  3F3FE5C9                  DC      XL4'3F3FE5C9'
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                000C1EC  3F51EB85              DC    XL4'3F51EB85'
                000C1F0  4013F7CE              DC    XL4'4013F7CE'
                000C1F4  40200000              DC    XL4'40200000'
                000C1F8  40400000              DC    XL4'40400000'
                000C1FC  40800000              DC    XL4'40800000'
                000200   40AAAA3A              DC    XL4'40AAAA3A'
                000204   40CA3D70              DC    XL4'40CA3D70'
                000208   41140000              DC    XL4'41140000'
                00020C   41180000              DC    XL4'41180000'
                000210   414147AE              DC    XL4'414147AE'
                000214   414FAE14              DC    XL4'414FAE14'
                000218   41500000              DC    XL4'41500000'
                00021C   41A00000              DC    XL4'41A00000'
                000220   42168000              DC    XL4'42168000'
                000224   421E0000              DC    XL4'421E0000'
                000228   42244CCC              DC    XL4'42244CCC'
                00022C   425A0000              DC    XL4'425A0000'
                000230   42800000              DC    XL4'42800000'
                000234   42960000              DC    XL4'42960000'
                000238   42B40000              DC    XL4'42B40000'
                00023C   42FF0000              DC    XL4'42FF0000'
                000240   4310E000              DC    XL4'4310E000'
                000244   43168000              DC    XL4'43168000'
ADCONS FOR VARIABLES AND CONSTANTS
ADCONS FOR COMMON
                0002A8   00000000              DC    XL4'00000000'
                0002AC   00000000              DC    XL4'00000000'
                0002B0   00000000              DC    XL4'00000000'
                0002B4   FFFFFFFE              DC    XL4'FFFFFFFE'
                0002B8   00002EEC              DC    XL4'00002EEC'
                0002BC   FFFFFFFE              DC    XL4'FFFFFFFE'
                0002C0   FFFFFFFE              DC    XL4'FFFFFFFE'
                0002C4   00000000              DC    XL4'00000000'
                0002C8   FFFFFFFE              DC    XL4'FFFFFFFE'
                0002CC   FFFFFFFE              DC    XL4'FFFFFFFE'
ADCONS FOR EXTERNAL REFERENCES
                0002D0   00000000              DC    XL4'00000000'    MOVE
                0002D4   00000000              DC    XL4'00000000'    ROOT
                0002D8   00000000              DC    XL4'00000000'    FLT16
                0002DC   00000000              DC    XL4'00000000'    INT16
                0002E0   00000000              DC    XL4'00000000'    SIN
                0002E4   00000000              DC    XL4'00000000'    COS
                0002E8   00000000              DC    XL4'00000000'    TAN
                0002EC   00000000              DC    XL4'00000000'    ARCTAN
DATA CONSTANTS
                000270   41100000              DC    XL4'41100000'    AFBF
                000274   3FCCCCCC              DC    XL4'3FCCCCCC'    AFBF
                000278   41126666              DC    XL4'41126666'    AFBF
                00027C   3FCCCCCC              DC    XL4'3FCCCCCC'    AFBF
                000280   40D99999              DC    XL4'40D99999'    AFBF
                0002E4   3FCCCCCC              DC    XL4'3FCCCCCC'    AFBF
                000288   00000000              DC    XL4'00000000'    AFBF
                0002EC   412947AE              DC    XL4'412947AE'    AFBF
                000290   00000000              DC    XL4'00000000'    AFBF
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0002S4  412428F5                    DC    XL4'412428F5'                    AFBF
000330  58 B0 D 288          100    L     11, 648( 0,13)
000334  58 90 D 284                 L      9, 644( 0,13)
000338  58 80 D 298                 L      8, 664( 0,13)
00033C  41 60 0 001                 LA     6,   1( 0, 0)                    1
000340  41 70 0 02C                 LA     7,  44( 0, 0)                    2C
000344  18 36                      LR     3, 6
000346  4A 30 D 228                 AH     3, 552( 0,13)                    NUM
00034A  40 30 D 220                 STH    3, 544( 0,13)                    I
00034E  59 30 D 164                 C      3, 356( 0,13)                    1C
000352  47 B0 D B68                 BC    11,2920( 0,13)                    999
000356  18 F3              100002  LR     15, 3
000358  41 E0 0 01B                 LA     14,  27( 0, 0)
00035C  15 FE                       CLR    15,14
00035E  89 F0 0 002                 SLL    15,   2( 0, 0)
000362  47 20 D 344                 BC     2, 836( 0,13)
000366  58 EF D 04C                 L      14,  76(15,13)                   76
00036A  07 FE                       BCR    15,14
00036C  41 00 0 000           1     LA     0,   0( 0, 0)                    0
000370  40 00 D 224                 STH    0, 548( 0,13)                    K
000374  41 30 0 027                 LA     3,  39( 0, 0)                    27
000378  48 40 D 224                 LH     4, 548( 0,13)                    K
00037C  18 58                       LR     5, 8
00037E  18 23              100004   LR     2, 3
000380  89 20 0 001                 SLL    2,   1( 0, 0)
000384  4A 42 5 000                 AH     4,   0( 2, 5)
000388  18 23              101     LR     2, 3
00038A  1A 26                       AR     2, 6
00038C  18 32                       LR     3, 2
00038E  19 37                       CR     3, 7
000390  47 D0 D 356                 BC    13, 854( 0,13)                    90
000394  40 40 D 224                 STH    4, 548( 0,13)                    K
000398  41 10 D 0BC         100005  LA     1, 188( 0,13)
00039C  58 F0 D 2B0                 L      15, 688( 0,13)                   FLT16
0003A0  05 EF                       BALR   14,15
0003A2  47 00 0 026                 BC     0,  38( 0, 0)
0003A6  70 00 D 2E8                 STE    0, 744( 0,13)                    .T00
0003AA  70 00 8 0A2                 STE    0, 162( 0, 8)                    ZCAL
0003AE  47 F0 D B68                 BC    15,2920( 0,13)                    999
0003B2  78 20 D 1E0           2     LE     2, 480( 0,13)                    41140C00
0003B6  7C 20 8 0A2                 ME     2, 162( 0, 8)
0003BA  70 20 8 0A6                 STE    2, 166( 0, 8)                    ZCAL
0003BE  47 F0 D B68                 BC    15,2920( 0,13)                    999
0003C2  41 00 8 0A6           3     LA     0, 166( 0, 8)                    ZCAL
0003C6  50 00 D 0C0                 ST     0, 192( 0,13)
0003CA  41 10 D 0C0                 LA     1, 192( 0,13)
0003CE  58 F0 D 2AC                 L      15, 684( 0,13)                   ROOT
0003D2  05 EF                       BALR   14,15
0003D4  47 00 0 C2C                 BC     0,  44( 0, 0)
0003D8  70 00 D 2EC                 STE    0, 748( 0,13)                    .T01
0003DC  78 20 D 1C8                 LE     2, 456( 0,13)                    4013F7CE
0003E0  7C 20 D 2EC                 ME     2, 748( 0,13)                    .T01
0003E4  70 20 8 0AA                 STE    2, 170( 0, 8)                    ZCAL
0003E8  47 F0 D B68                 BC    15,2920( 0,13)                    999
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0003EC  41 00 8 044          4  LA     0,  68( 0, 8)          PCFBFR
0003F0  50 00 D 0C8             ST     0, 200( 0,13)
0003F4  92 80 D 0C8             MVI    8, 200( 0,13)
0003F8  41 10 D 0C8             LA     1, 200( 0,13)
0003FC  58 F0 D 280             L     15, 688( 0,13)          FLT16
000400  05 EF                   BALR  14,15
000402  47 00 0 02F             BC     0,  47( 0, 0)
000406  70 00 D 2EC             STE    0, 748( 0,13)          .T01
00040A  78 20 9 000             LE     2,   0( 0, 9)          XAH
00040E  7C 20 D 2EC             ME     2, 748( 0,13)          .T01
000412  7D 20 D 1F4             CE     2, 500( 0,13)          41AC0000
000416  7A 20 9 004             AE     2,   4( 0, 9)          XBH
00041A  70 20 8 0AE             STE    2, 174( 0, 8)          ZCAL
00041E  41 00 0 004             LA     0,   4( 0, 0)          4
000422  40 00 D 222             STH    0, 546( 0,13)          J
000426  47 F0 D AFE             BC    15,2814( 0,13)          S90
00042A  41 00 8 116          5  LA     0, 278( 0, 8)          ZCAL
00042E  50 00 D 0C0             ST     0, 192( 0,13)
000432  41 10 D 0C0             LA     1, 192( 0,13)
000436  58 F0 D 2AC             L     15, 684( 0,13)          ROOT
00043A  05 EF                   BALR  14,15
00043C  47 00 0 033             BC     0,  51( 0, 0)
000440  70 00 D 2EC             STE    0, 748( 0,13)          .T01
000444  78 20 D 1C0             LE     2, 448( 0,13)          3F3FE5C9
000448  7C 20 D 2EC             ME     2, 748( 0,13)          .T01
00044C  70 20 8 0B2             STE    2, 178( 0, 8)          ZCAL
000450  47 F0 D B68             BC    15,2920( 0,13)          999
000454  78 20 D 1BC          6  LE     2, 444( 0,13)          3F14E3BC
000458  7C 20 8 116             ME     2, 278( 0, 8)
00045C  70 20 8 0B6             STE    2, 182( 0, 8)          ZCAL
000460  47 F0 D B68             BC    15,2920( 0,13)          999
000464  78 00 D 118          7  LE     0, 280( 0,13)          0
000468  70 00 8 0BA             STE    0, 186( 0, 8)          ZCAL
00046C  78 20 8 116             LE     2, 278( 0, 8)          ZCAL
000470  32 22                   LTER   2, 2
000472  47 90 D 488             BC     9,1160( 0,13)          71
000476  78 20 9 00C     100006  LE     2,  12( 0, 9)          XB1B1
00047A  7C 20 8 116             ME     2, 278( 0, 8)
00047E  7A 20 8 11A             AE     2, 282( 0, 8)
000482  7A 20 9 010             AE     2,  16( 0, 9)          XC1B1
000486  70 20 D 2EC             STE    2, 748( 0,13)          .T01
00048A  41 10 D 0CC             LA     1, 204( 0,13)
00048E  58 F0 D 2AC             L     15, 684( 0,13)          ROOT
000492  05 EF                   BALR  14,15
000494  47 00 0 03C             BC     0,  60( 0, 0)
000498  70 00 D 2F0             STE    0, 752( 0,13)          .T02
00049C  78 20 9 008             LE     2,   8( 0, 9)          XA1B1
0004A0  7C 20 D 2F0             ME     2, 752( 0,13)          .T02
0004A4  7A 20 9 014             AE     2,  20( 0, 9)          XD1B1
0004A8  7D 20 8 116             CE     2, 278( 0, 8)
0004AC  70 20 8 0BA             STE    2, 186( 0, 8)          ZCAL
0004B0  41 00 0 007         71  LA     0,   7( 0, 0)          7
0004B4  40 00 D 222             STH    0, 546( 0,13)          J
0004B8  47 F0 D AFE             BC    15,2814( 0,13)          S90
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0004BC  78 00 D 118          8  LE     0, 280( 0,13)                    0
0004C0  70 00 8 0BE             STE    0, 190( 0, 8)                 ZCAL
0004C4  78 20 8 116             LE     2, 278( 0, 8)                 ZCAL
0004C8  32 22                   LTER   2, 2
0004CA  47 90 D 4EE             BC     9,1262( 0,13)                   81
0004CE  78 20 8 11A     100007  LE     2, 282( 0, 8)                 ZCAL
0004D2  78 40 8 086             LE     4, 182( 0, 8)                 ZCAL
0004D6  3D 24                   CER    2, 4
0004D8  7C 20 9 008             ME     2,   8( 0, 9)                 XAIB1
0004DC  70 20 D 2EC             STE    2, 748( 0,13)                 .T01
0004E0  78 20 9 00C             LE     2,  12( 0, 9)                 XBIB1
0004E4  7C 20 8 116             ME     2, 278( 0, 8)
0004E8  3A 24                   AER    2, 4
0004EA  7A 20 9 010             AE     2,  16( 0, 9)                 XCIB1
0004EE  70 20 D 2F0             STE    2, 752( 0,13)                 .T02
0004F2  41 10 D 004             LA     1, 212( 0,13)
0004F6  58 F0 D 2AC             L     15, 684( 0,13)                 ROOT
0004FA  05 EF                   BALR  14,15
0004FC  47 00 0 044             BC     0,  68( 0, 0)
000500  70 00 D 2F4             STE    0, 756( 0,13)                 .T03
000504  78 20 9 014             LE     2,  20( 0, 9)                 XDIB1
000508  3A 20                   AER    2, 0
00050A  7C 20 D 2EC             ME     2, 748( 0,13)                 .T01
00050E  7D 20 8 116             CE     2, 278( 0, 8)
000512  70 20 8 0BE             STE    2, 190( 0, 8)                 ZCAL
000516  41 00 0 008          81 LA     0,   8( 0, 0)                   8
00051A  40 00 D 222             STH    0, 546( 0,13)                   J
00051E  47 F0 D AFE             BC    15,2814( 0,13)                 S90
000522  78 20 9 C28           9 LE     2,  40( 0, 9)                 XAVB
000526  7C 20 8 116             ME     2, 278( 0, 8)
00052A  7A 20 9 02C             AE     2,  44( 0, 9)                 XBVB
00052E  70 20 8 0C2             STE    2, 194( 0, 8)                 ZCAL
000532  41 00 0 009             LA     0,   9( 0, 0)                   9
000536  40 00 D 222             STH    0, 546( 0,13)                   J
00053A  47 F0 D AFE             BC    15,2814( 0,13)                 S90
00053E  78 00 9 030          10 LE     0,  48( 0, 9)                 XAF
000542  70 00 D 234             STE    0, 564( 0,13)                 XXAF
000546  78 00 9 038             LE     0,  56( 0, 9)                 XBF
00054A  70 00 D 238             STE    0, 568( 0,13)                 XXBF
00054E  48 30 8 124             LH     3, 292( 0, 8)                 ACAL
000552  40 30 D 2C8             STH    3, 712( 0,13)                 .C01
000556  12 33                   LTR    3, 3
000558  47 90 D 548             BC     9,1352( 0,13)                  107
00055C  89 30 0 003     100008  SLL    3,   3( 0, 0)
000560  78 03 D 240             LE     0, 576( 3,13)                 AFBF
000564  70 00 D 234             STE    0, 564( 0,13)                 XXAF
000568  78 03 D 244             LE     0, 580( 3,13)                 AFBF
00056C  70 00 D 238             STE    0, 568( 0,13)                 XXBF
000570  78 00 D 234         107 LE     0, 564( 0,13)                 XXAF
000574  7C 00 9 034             ME     0,  52( 0, 9)                 XAF0
000578  70 00 D 2EC             STE    0, 748( 0,13)                 .T01
00057C  41 00 8 116             LA     0, 278( 0, 8)                 ZCAL
000580  50 00 D 0DC             ST     0, 220( 0,13)
000584  41 10 D 0DC             LA     1, 220( 0,13)
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000588  58 F0 D 2AC          L     15, 684( 0,13)          ROOT
00058C  05 EF                CALR  14,15
00058E  47 00 0 C54          BC     0,  84( 0, 0)
000592  70 00 D 2F0          STE    0, 752( 0,13)          .T02
000596  78 00 D 2F0          LE     0, 752( 0,13)          .T02
00059A  7C 00 D 2EC          ME     0, 748( 0,13)          .T01
00059E  70 00 D 2EC          STE    0, 748( 0,13)          .T01
0005A2  41 00 8 11A          LA     0, 282( 0, 8)          ZCAL
0005A6  50 00 D 0E4          ST     0, 228( 0,13)
0005AA  41 10 D 0E4          LA     1, 228( 0,13)
0005AE  58 F0 D 2AC          L     15, 684( 0,13)          ROOT
0005B2  05 EF                CALR  14,15
0005B4  47 00 0 054          BC     0,  84( 0, 0)
0005B8  70 00 D 2F0          STE    0, 752( 0,13)          .T02
0005BC  78 20 D 2F0          LE     2, 752( 0,13)          .T02
0005C0  7C 20 D 2EC          ME     2, 748( 0,13)          .T01
0005C4  7A 20 D 238          AE     2, 568( 0,13)          XXBF
0005C8  70 2C 8 0C6          STE    2, 198( 0, 8)          ZCAL
0005CC  41 00 0 00A          LA     0,  10( 0, 0)          A
0005D0  40 00 D 222          STH    0, 546( 0,13)          J
0005D4  47 F0 D AFE          BC    15,2814( 0,13)          $90
0005D8  41 00 8 116      11  LA     0, 278( 0, 8)          ZCAL
0005DC  50 00 D 0EC          ST     0, 236( 0,13)
0005E0  41 10 D 0EC          LA     1, 236( 0,13)
0005E4  58 F0 D 2AC          L     15, 684( 0,13)          ROOT
0005E8  05 EF                CALR  14,15
0005EA  47 00 0 C58          BC     0,  88( 0, 0)
0005EE  70 00 D 2EC          STE    0, 748( 0,13)          .T01
0005F2  78 40 9 03C          LE     4,  60( 0, 9)          XAX
0005F6  7C 40 D 2EC          ME     4, 748( 0,13)          .T01
0005FA  78 20 8 0DE          LE     2, 222( 0, 8)          ZCAL
0005FE  30 22                LPER   2, 2
000600  3C 24                PER    2, 4
000602  7A 20 9 044          AE     2,  68( 0, 9)          XCX
000606  70 20 8 0CA          STE    2, 202( 0, 8)          ZCAL
00060A  41 00 0 00B          LA     0,  11( 0, 0)          B
00060E  40 00 D 222          STH    0, 546( 0,13)          J
000612  47 F0 D AFE          BC    15,2814( 0,13)          $90
000616  41 00 8 116      12  LA     0, 278( 0, 8)          ZCAL
00061A  50 00 D 0EC          ST     0, 236( 0,13)
00061E  41 10 D 0EC          LA     1, 236( 0,13)
000622  58 F0 D 2AC          L     15, 684( 0,13)          ROOT
000626  05 EF                CALR  14,15
000628  47 00 0 05C          BC     0,  92( 0, 0)
00062C  70 00 D 2EC          STE    0, 748( 0,13)          .T01
000630  78 40 9 040          LE     4,  64( 0, 9)          XAY
000634  7C 40 D 2EC          ME     4, 748( 0,13)          .T01
000638  78 20 8 0E2          LE     2, 226( 0, 8)          ZCAL
00063C  30 22                LPER   2, 2
00063E  3C 24                PER    2, 4
000640  7A 20 9 048          AE     2,  72( 0, 9)          XCY
000644  70 20 8 0CE          STE    2, 206( 0, 8)          ZCAL
000648  41 00 0 00C          LA     0,  12( 0, 0)          C
00064C  40 00 D 222          STH    0, 546( 0,13)          J
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000650  47 F0 D AFE          BC    15,2814( 0,13)          $$0
000654  48 20 8 068     13   LH     2, 104( 0, 8)  PCFBFR
000658  4A 20 8 C6A          AH     2, 106( 0, 8)
00065C  4A 20 8 06C          AH     2, 108( 0, 8)
000660  4A 20 8 C6E          AH     2, 110( 0, 8)
000664  40 20 D 224          STH    2, 548( 0,13)           K
000668  41 10 D 0BC          LA     1, 188( 0,13)
00066C  58 F0 D 2B0          L     15, 688( 0,13)  FLTIE
000670  05 EF               BALR  14,15
000672  47 00 0 061          BC     0,  97( 0, 0)
000676  70 00 D 2EC          STE    0, 748( 0,13)  .T01
00067A  70 00 8 0D2          STE    0, 210( 0, 8)  ZCAL
00067E  47 F0 D B68          BC    15,2920( 0,13)  $99
000682  78 20 8 0A6     14   LE     2, 166( 0, 8)  ZCAL
000686  70 20 8 116          STE    2, 278( 0, 8)  ZCAL
00068A  47 F0 D B68          BC    15,2920( 0,13)  $99
00068E  78 20 8 0AA     15   LE     2, 170( 0, 8)  ZCAL
000692  70 20 8 11A          STE    2, 282( 0, 8)  ZCAL
000696  47 F0 D B68          BC    15,2920( 0,13)  $99
00069A  41 00 8 116     20   LA     0, 278( 0, 8)  ZCAL
00069E  50 00 D 0C0          ST     0, 192( 0,13)
0006A2  41 10 D 0C0          LA     1, 192( 0,13)
0006A6  58 F0 D 2AC          L     15, 684( 0,13)  RGOT
0006AA  05 EF               BALR  14,15
0006AC  47 00 0 06A          BC     0, 106( 0, 0)
0006B0  70 00 D 2F0          STE    0, 752( 0,13)  .T02
0006B4  78 20 D 1C8          LE     2, 456( 0,13)  4013F7CE
0006B8  7C 20 D 2F0          ME     2, 752( 0,13)  .T02
0006BC  70 20 8 11A          STE    2, 282( 0, 8)  ZCAL
0006C0  47 F0 D B68          BC    15,2920( 0,13)  $99
0006C4  41 30 0 C64     16   LA     3, 100( 0, 0)  E4
0006C8  4C 30 8 034          MH     3,  52( 0, 8)
0006CC  5B 30 D 1AC          S      3, 428( 0,13)  1F4
0006D0  5A 30 D 12C          A      3, 300( 0,13)  5
0006D4  40 30 8 C98          STH    3, 152( 0, 8)  PCFBFR
0006D8  47 F0 D B68          BC    15,2920( 0,13)  $99
0006DC  78 00 D 1F8     17   LE     0, 504( 0,13)  421E8C00
0006E0  70 00 9 008          STE    0,   8( 0, 9)  XA1B1
0006E4  78 00 D 118          LE     0, 280( 0,13)  0
0006E8  70 00 9 00C          STE    0,  12( 0, 9)  XB1B1
0006EC  70 00 9 010          STE    0,  16( 0, 9)  XC1B1
0006F0  78 00 D 1DC          LE     0, 476( 0,13)  40CA3D70
0006F4  70 00 9 014          STE    0,  20( 0, 9)  XD1B1
0006F8  47 F0 D B68          BC    15,2920( 0,13)  $99
0006FC  78 00 D 200     18   LE     0, 512( 0,13)  42244CCC
000700  70 00 9 008          STE    0,   8( 0, 9)  XA1B1
000704  78 00 D 1B4          LE     0, 436( 0,13)  3E4EA4A8
000708  33 00               LCER   0, 0
00070A  70 00 9 00C          STE    0,  12( 0, 9)  XB1B1
00070E  78 00 D 1B8          LE     0, 440( 0,13)  3E553201
000712  70 00 9 010          STE    0,  16( 0, 9)  XC1B1
000716  78 00 D 1E8          LE     0, 488( 0,13)  414147AE
00071A  70 00 9 014          STE    0,  20( 0, 9)  XD1B1
00071E  47 F0 D B68          BC    15,2920( 0,13)  $99
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000722  41 00 C 030          19  LA     0,  48( 0, 0)                    30
000726  40 00 D 226              STH    0, 550( 0,13)                    IX
00072A  58 F0 D 29C              L     15, 668( 0,13)
00072E  48 30 F 046              LH     3,  70( 0,15)                    NTIME
000732  48 40 D 226              LH     4, 550( 0,13)                    IX
000736  18 23              1905 LR     2, 3
000738  5B 20 D 1B0              S      2, 432( 0,13)                    258
00073C  18 32                    LR     3, 2
00073E  12 33                    LTR    3, 3
000740  47 B0 D 724              BC    11,1328( 0,13)                    D  <  M6
000744  40 40 D 226              STH    4, 550( 0,13)                    IX
000748  47 F0 D 730              BC    15,1840( 0,13)                    1910
00074C  13 24          100009    LCR    2, 4
00074E  5A 20 D 19C              A      2, 412( 0,13)                    61
000752  18 42                    LR     4, 2
000754  47 F0 D 70E              BC    15,1806( 0,13)                    1905
000758  41 00 B 096       1910   LA     0, 150( 0,11)                    MSGBLA
00075C  50 00 D 0F4              ST     0, 244( 0,13)
000760  41 00 D 270              LA     0, 624( 0,13)                    UANG1
000764  50 00 D 0F8              ST     0, 248( 0,13)
000768  41 10 D 0F4              LA     1, 244( 0,13)
00076C  58 F0 D 2A8              L     15, 680( 0,13)                    MOVE
000770  05 EF                    BALR  14,15
000772  47 00 C 086              BC     0, 134( 0, 0)
000776  78 00 D 270              LE     0, 624( 0,13)                    UANG1
00077A  32 00                    LTER   0, 0
00077C  47 B0 D 760              BC    11,1888( 0,13)                    D  <  $MQ
000780  78 00 D 118       100010 LE     0, 280( 0,13)                    0
000784  70 00 D 270              STE    0, 624( 0,13)                    UANG1
000788  78 00 D 270       100011 LE     0, 624( 0,13)                    UANG1
00078C  79 00 D 21C              CE     0, 540( 0,13)                    431E8C00
000790  47 D0 D 774              BC    13,1908( 0,13)                    D     P4
000794  78 00 D 21C       100012 LE     0, 540( 0,13)                    431E8C00
000798  70 00 D 270              STE    0, 624( 0,13)                    UANG1
00079C  78 00 D 274       100013 LE     0, 628( 0,13)                    UANG2
0007A0  32 00                    LTER   0, 0
0007A2  47 B0 D 786              BC    11,1926( 0,13)                    D  <  JM
0007A6  78 00 D 118       100014 LE     0, 280( 0,13)                    0
0007AA  70 00 D 274              STE    0, 628( 0,13)                    UANG2
0007AE  78 00 D 274       100015 LE     0, 628( 0,13)                    UANG2
0007B2  79 00 D 210              CE     0, 528( 0,13)                    42B40C00
0007B6  47 D0 D 79A              BC    13,1946( 0,13)                    D  &  Q*
0007BA  78 00 D 210       100016 LE     0, 528( 0,13)                    42B40C00
0007BE  70 00 D 274              STE    0, 628( 0,13)                    UANG2
0007C2  58 F0 D 29C       100017 L      15, 668( 0,13)
0007C6  48 30 F 018              LH     3,  24( 0,15)                    FORUM
0007CA  59 30 D 14C              C      3, 332( 0,13)                    D
0007CE  47 20 D 7BA              BC     2,1978( 0,13)                    1960
0007D2  78 00 D 274       100018 LE     0, 628( 0,13)                    UANG2
0007D6  79 00 D 204              CE     0, 516( 0,13)                    425A0C00
0007DA  47 D0 D 7FA              BC    13,2042( 0,13)                    1980
0007DE  47 F0 D 7C6       100019 BC     15,1990( 0,13)                    1970
0007E2  78 00 D 270         1960 LE     0, 624( 0,13)                    UANG1
0007E6  79 00 D 210              CE     0, 528( 0,13)                    42B40C00
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000C7EA  47 80 D 7FA          BC    11,2042( 0,13)          1580
0007EE   78 00 D 270    1970  LE     0, 624( 0,13)          UANG1
000C7F2  79 00 D 210          CE     0, 528( 0,13)          42B40C00
0007F6   47 80 D 7E2          BC    11,2018( 0,13)          1575
000C7FA  78 00 D 210  100020  LE     0, 528( 0,13)          42B40C00
000C7FE  7A 00 D 270          AE     0, 624( 0,13)          UANG1
000802   70 00 D 270          STE    0, 624( 0,13)          UANG1
000806   47 F0 D 7EE          BC    15,2030( 0,13)          1578
00080A   78 00 D 270    1975  LE     0, 624( 0,13)          UANG1
0008CE   78 00 D 210          SE     0, 528( 0,13)          42B40C00
000812   70 00 D 270          STE    0, 624( 0,13)          UANG1
000816   78 00 D 210    1978  LE     0, 528( 0,13)          42B40C00
00081A   78 00 D 274          SE     0, 628( 0,13)          UANG2
00081E   70 00 D 274          STE    0, 628( 0,13)          UANG2
000822   48 30 D 226    1980  LH     3, 550( 0,13)          IX
000826   89 30 0 001          SLL    3,   1( 0, 0)
00082A   41 33 8 000          LA     3,   0( 3, 8)          PCF8FR
00082E   50 30 D 0C8          ST     3, 200( 0,13)
000832   92 80 D 0C8          MVI    8, 200( 0,13)
000836   41 10 D 0C8          LA     1, 200( 0,13)
00083A   58 F0 D 280          L     15, 688( 0,13)          FLT16
00083E   05 EF                BALR  14,15
000840   47 00 0 0A1          BC     0, 161( 0, 0)
000844   70 00 D 2F0          STE    0, 752( 0,13)          .T02
000848   33 00                 LCER   0, 0
00084A   7A 00 D 274          AE     0, 628( 0,13)          UANG2
00084E   70 00 D 244          STE    0, 580( 0,13)          UTEMP4
000852   78 00 D 274          LE     0, 628( 0,13)          UANG2
000856   79 00 D 2F0          CE     0, 752( 0,13)          .T02
00085A   47 B0 D 868          BC    11,2152( 0,13)          1590
00085E   78 00 D 244  100021  LE     0, 580( 0,13)          UTEMP4
000862   33 00                 LCER   0, 0
000864   70 00 D 244          STE    0, 580( 0,13)          UTEMP4
000868   78 00 D 270          LE     0, 624( 0,13)          UANG1
00086C   79 00 D 210          CE     0, 528( 0,13)          42B40C00
000870   47 B0 D 85C          BC    11,2140( 0,13)          1585
000874   78 00 D 210  100022  LE     0, 528( 0,13)          42B40C00
000878   7A 00 D 270          AE     0, 624( 0,13)          UANG1
00087C   70 00 D 270          STE    0, 624( 0,13)          UANG1
000880   47 F0 D 868          BC    15,2152( 0,13)          1590
000884   78 00 D 270    1985  LE     0, 624( 0,13)          UANG1
000888   78 00 D 210          SE     0, 528( 0,13)          42B40C00
00088C   70 00 D 270          STE    0, 624( 0,13)          UANG1
000890   78 00 D 244    1990  LE     0, 580( 0,13)          UTEMP4
000894   79 00 D 1FC          CE     0, 508( 0,13)          421E0000
000898   47 D0 D 87C          BC    13,2172( 0,13)          D
00089C   78 00 D 1FC  100023  LE     0, 508( 0,13)          421E0C00
0008A0   70 00 D 244          STE    0, 580( 0,13)          UTEMP4
0008A4   41 10 D 100  100024  LA     1, 256( 0,13)
0008A8   58 F0 D 2C0          L     15, 704( 0,13)          TAN
0008AC   05 EF                BALR  14,15
0008AE   47 00 0 0AF          BC     0, 175( 0, 0)
0008B2   70 00 D 2F0          STE    0, 752( 0,13)          .T02
0008B6   41 10 D 104          LA     1, 260( 0,13)
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0008BA  58 F0 D 28C          L     15, 700( 0,13)          COS
0008BE  05 EF                BALR  14,15
0008C0  47 00 0 0B0          BC     0, 176( 0, 0)
0008C4  70 00 D 2F8          STE    0, 760( 0,13)          .T04
0008C8  78 00 D 2F0          LE     0, 752( 0,13)          .T02
0008CC  7C 00 D 2F8          ME     0, 760( 0,13)          .T04
0008D0  70 00 D 2F8          STE    0, 760( 0,13)          .T04
0008D4  41 10 D 108          LA     1, 264( 0,13)
0008D8  58 F0 D 2C4          L     15, 708( 0,13)          ARCTAN
0008DC  05 EF                BALR  14,15
0008DE  47 00 0 0B0          BC     0, 176( 0, 0)
0008E2  70 00 D 2FC          STE    0, 764( 0,13)          .T05
0008E6  70 00 8 0DE          STE    0, 222( 0, 8)          ZCAL
0008EA  41 10 D 10C          LA     1, 268( 0,13)
0008EE  58 F0 D 288          L     15, 696( 0,13)          SIN
0008F2  05 EF                BALR  14,15
0008F4  47 00 0 0B1          BC     0, 177( 0, 0)
0008F8  70 00 D 2F8          STE    0, 760( 0,13)          .T04
0008FC  78 20 D 2F0          LE     2, 752( 0,13)          .T02
0008C0  7C 20 D 2F8          ME     2, 760( 0,13)          .T04
000904  33 22                LCER   2, 2
000906  70 20 D 2F0          STE    2, 752( 0,13)          .T02
00090A  41 10 D 110          LA     1, 272( 0,13)
0009CE  58 F0 D 2C4          L     15, 708( 0,13)          ARCTAN
000912  05 EF                BALR  14,15
000914  47 00 0 0B1          BC     0, 177( 0, 0)
000918  70 00 D 2F8          STE    0, 760( 0,13)          .T04
00091C  70 00 8 0E2          STE    0, 226( 0, 8)          ZCAL
000920  47 F0 D 868          BC    15,2920( 0,13)          $99
000924  47 F0 D 868       21 BC    15,2920( 0,13)          $99
000928  41 00 8 096       22 LA     0, 150( 0,11)          MSGBLA
00092C  50 00 D 0F4          ST     0, 244( 0,13)
000930  41 00 8 0F6          LA     0, 246( 0, 8)          ZCAL
000934  50 00 D 0F8          ST     0, 248( 0,13)
000938  41 10 D 0F4          LA     1, 244( 0,13)
00093C  58 F0 D 2A8          L     15, 680( 0,13)          MCVE
000940  05 EF                BALR  14,15
000942  47 00 0 0B6          BC     0, 182( 0, 0)
000946  78 20 8 0F6          LE     2, 246( 0, 8)          ZCAL
00094A  32 22                LTER   2, 2
00094C  47 B0 D 930          BC    11,2352( 0,13)          D  <  Y
000950  78 00 D 118  100025  LE     0, 280( 0,13)              0
000954  70 00 8 0F6          STE    0, 246( 0, 8)          ZCAL
000958  78 20 8 0F6  100026  LE     2, 246( 0, 8)          ZCAL
00095C  79 20 D 21C          CE     2, 540( 0,13)          43168000
000960  47 D0 D 544          BC    13,2372( 0,13)          D     M4
000964  78 00 D 21C  100027  LE     0, 540( 0,13)          43168000
000968  70 00 8 0F6          STE    0, 246( 0, 8)          ZCAL
00096C  78 20 8 0FA  100028  LE     2, 250( 0, 8)          ZCAL
000970  32 22                LTER   2, 2
000972  47 B0 D 956          BC    11,2390( 0,13)          D  <  $<
000976  78 00 D 118  100029  LE     0, 280( 0,13)              0
00097A  70 00 8 0FA          STE    0, 250( 0, 8)          ZCAL
00097E  78 20 8 0FA  100030  LE     2, 250( 0, 8)          ZCAL
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0C0982  79 20 D 210          CE    2, 528( 0,13)          42B40C00
000986  47 D0 D 96A          BC   13,2410( 0,13)          D  E  *E
C00988  78 00 D 210  100031  LE    0, 528( 0,13)          42B40C00
GC098E  70 00 8 0FA          STE   0, 250( 0, 8)              ZCAL
0CC992  78 20 8 0F6  100032  LE    2, 246( 0, 8)              ZCAL
0CC996  70 20 D 2CC          STE   2, 716( 0,13)              .Q02
0CC99A  79 20 D 204          CE    2, 516( 0,13)          425A0CC0
00C99E  47 B0 D 99E          BC   11,2462( 0,13)              222
CCC9A2  7A 20 D 210  100033  AE    2, 528( 0,13)          42B40C00
C009A6  70 20 8 0F6          STE   2, 246( 0, 8)              ZCAL
0009AA  78 20 8 0FA          LE    2, 250( 0, 8)              ZCAL
00C9AE  70 20 D 2D0          STE   2, 720( 0,13)              .Q03
0009B2  79 20 D 1FC          CE    2, 508( 0,13)          421E0C00
0009B6  47 40 D 9EA          BC    4,2538( 0,13)              22o
0CC9BA  79 20 D 2C4  100034  CE    2, 516( 0,13)          425A0CC0
0CC9BE  47 40 D A04          BC    4,2564( 0,13)              228
0009C2  47 F0 D A12  100035  BC   15,2578( 0,13)              229
0CC9C6  78 00 D 2CC      222 LE    0, 716( 0,13)              .Q02
0009CA  79 00 D 218          CE    0, 536( 0,13)          431CEC00
0009CE  47 B0 D 9CE          BC   11,2510( 0,13)              224
0009D2  78 20 8 0FA  100036  LE    2, 250( 0, 8)              ZCAL
0009D6  70 20 D 2D4          STE   2, 724( 0,13)              .Q04
C009DA  79 20 D 204          CE    2, 516( 0,13)          425A0C00
0009DE  47 40 D A1E          BC    4,2590( 0,13)              230
0C09E2  79 20 D 20C  100037  CE    2, 524( 0,13)          425E0CC0
0009E6  47 40 D AC4          BC    4,2564( 0,13)              228
0009EA  78 20 D 210  100038  SE    2, 528( 0,13)          42B40C00
0009EE  70 20 8 0FA          STE   2, 250( 0, 8)              ZCAL
0009F2  47 F0 D A1E          BC   15,2590( 0,13)              230
0C09F6  78 20 D 2CC      224 LE    2, 716( 0,13)              .Q02
CC09FA  78 20 D 210          SE    2, 528( 0,13)          42B40C00
0C09FE  70 20 8 0F6          STE   2, 246( 0, 8)              ZCAL
C00A02  78 20 8 0FA          LE    2, 250( 0, 8)              ZCAL
CC0A06  70 20 D 2D8          STE   2, 728( 0,13)              .Q05
C00A0A  79 20 D 1FC          CE    2, 508( 0,13)          421E0000
000A0E  47 B0 D 9F8          BC   11,2552( 0,13)              227
000A12  78 20 8 0FA      226 LE    2, 250( 0, 8)              ZCAL
000A16  33 22                LCER  2, 2
000A18  70 20 8 0FA          STE   2, 250( 0, 8)              ZCAL
000A1C  47 F0 D A1E          BC   15,2590( 0,13)              230
C00A20  78 00 D 2D8      227 LE    0, 728( 0,13)              .Q05
0C0A24  79 00 D 204          CE    0, 516( 0,13)          425A0000
CCCA28  47 B0 D A12          BC   11,2578( 0,13)              229
C00A2C  78 00 D 1FC      228 LE    0, 508( 0,13)          421E0C00
0C0A30  33 00                LCER  0, 0
000A32  70 00 8 0FA          STE   0, 250( 0, 8)              ZCAL
000A36  47 F0 D A1E          BC   15,2590( 0,13)              230
000A3A  78 20 D 210      229 LE    2, 528( 0,13)          42B40C00
000A3E  70 20 8 0FA          SE    2, 250( 0, 8)
00CA42  70 20 8 0FA          STE   2, 250( 0, 8)              ZCAL
C0CA46  78 20 D 218      230 LE    2, 536( 0,13)          431CEC00
000A4A  70 20 8 0F6          SE    2, 246( 0, 8)
C00A4E  7C 20 D 214          ME    2, 532( 0,13)          42FF0000
00CA52  70 20 D 210          CE    2, 528( 0,13)          42B40C00
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000A56  70 20 D 23C              STE    2, 572( 0,13)          XTEMP
000A5A  41 10 D 114              LA     1, 276( 0,13)
000A5E  58 F0 D 284              L     15, 692( 0,13)          INT16
000A62  05 EF                    BALR  14,15
000A64  47 00 0 0E1              BC     0, 225( 0, 0)
000A68  40 00 D 2F0              STH    0, 752( 0,13)          .T02
000A6C  40 00 8 09A              STH    0, 154( 0, 8)          PCFBFR
000A70  78 20 D 1FC              LE     2, 508( 0,13)          421E0C00
000A74  7A 20 8 0FA              AE     2, 250( 0, 8)
000A78  7C 20 D 214              ME     2, 532( 0,13)          42FF0000
000A7C  70 20 D 20C              CE     2, 524( 0,13)          42960000
000A80  70 20 D 23C              STE    2, 572( 0,13)          XTEMP
000A84  41 10 D 114              LA     1, 276( 0,13)
000A88  58 F0 D 284              L     15, 692( 0,13)          INT16
000A8C  05 EF                    BALR  14,15
000A8E  47 00 0 0E3              BC     0, 227( 0, 0)
000A92  40 00 D 300              STH    0, 768( 0,13)          .T06
000A96  40 00 8 09C              STH    0, 156( 0, 8)          PCFBFR
000A9A  47 F0 D B68              BC    15,2920( 0,13)          $99
000A9E  48 A0 8 12A        23    LH    10, 298( 0, 8)          ACAL
000AA2  59 A0 D 140              C     10, 320( 0,13)          A
000AA6  47 B0 D A8E              BC    11,2702( 0,13)          231
000AAA  40 A0 8 098     100039   STH    10, 152( 0, 8)          PCFBFR
000AAE  40 60 8 09A              STH    6, 154( 0, 8)          PCFBFR
000AB2  47 F0 D B68              BC    15,2920( 0,13)          $99
000AB6  59 A0 D 1A4       231    C     10, 420( 0,13)          $6
000ABA  47 20 D AB0              BC     2,2736( 0,13)          232
000ABE  18 4A           100040   LR     4,10
000AC0  8E 40 0 020              SRDA   4,  32( 0, 0)
000AC4  5D 40 D 140              D      4, 320( 0,13)          A
000AC8  40 50 8 C58              STH    5, 152( 0, 8)          PCFBFR
000ACC  41 00 0 002              LA     0,   2( 0, 0)          2
000AD0  40 00 8 09A              STH    0, 154( 0, 8)          PCFBFR
000AD4  47 F0 D B68              BC    15,2920( 0,13)          $99
000AD8  18 2A           232      LR     2,10
000ADA  8E 20 0 020              SRDA   2,  32( 0, 0)
000ADE  5D 20 D 1A0              D      2, 416( 0,13)          64
000AE2  40 30 8 098              STH    3, 152( 0, 8)          PCFBFR
000AE6  41 00 0 003              LA     0,   3( 0, 0)          3
000AEA  40 00 8 09A              STH    0, 154( 0, 8)          PCFBFR
000AEE  48 20 8 12A        24    LH     2, 298( 0, 8)          ACAL
000AF2  8E 20 0 020              SRDA   2,  32( 0, 0)
000AF6  5D 20 D 1A0              D      2, 416( 0,13)          64
000AFA  40 30 8 098              STH    3, 152( 0, 8)          PCFBFR
000AFE  47 F0 D B68              BC    15,2920( 0,13)          $99
000B02  48 30 8 12A        25    LH     3, 298( 0, 8)          ACAL
000B06  59 30 D 1A8              C      3, 424( 0,13)          FF
000B0A  47 40 D AEE              BC     4,2798( 0,13)          D  D  ¬<
000B0E  41 00 C 0FF     100041   LA     0, 255( 0, 0)          FF
000B12  40 00 8 12A              STH    0, 298( 0, 8)          ACAL
000B16  47 F0 D B68     100042   BC    15,2920( 0,13)          $99
000B1A  47 F0 D B68          26  BC    15,2920( 0,13)          $99
000B1E  40 60 D 226          27  STH    6, 550( 0,13)          IX
000B22  47 F0 D 730              BC    15,1840( 0,13)          1910
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                000B26  48 30 D 222          990  LH     3, 546( 0,13)                    J
                000B2A  89 30 0 002               SLL    3,   2( 0, 0)
                000B2E  50 30 D 2E0               ST     3, 736( 0,13)                    .Q07
                000B32  78 23 8 09E               LE     2, 158( 3, 8)                    ZCAL
                000B36  32 22                     LTER   2, 2
                000B38  47 20 D B1C               BC     2,2844( 0,13)                    D  &  "8
                000B3C  78 00 D 118       100043  LE     0, 280( 0,13)                    0
                000B40  70 03 8 09E               STE    0, 158( 3, 8)                    ZCAL
                000B44  58 E0 D 2E0       100044  L     14, 736( 0,13)                    .C07
                000B48  78 2E 8 09E               LE     2, 158(14, 8)                    ZCAL
                000B4C  79 20 D 1F0               CE     2, 496( 0,13)                    41500000
                000B50  47 40 D B38               BC     4,2872( 0,13)                    C  )0
                000B54  58 E0 D 2E0       100045  L     14, 736( 0,13)
                000B58  78 00 D 1F0               LE     0, 496( 0,13)                    41500000
                000B5C  70 0E 8 09E               STE    0, 158(14, 8)                    ZCAL
                000B60  58 E0 D 2E0       100046  L     14, 736( 0,13)
                000B64  78 2E 8 09E               LE     2, 158(14, 8)
                000B68  78 20 D 1C4               SE     2, 452( 0,13)                    3F51EB85
                000B6C  7C 20 D 2E4               ME     2, 740( 0,13)                    42190B3EB
                000B70  33 22                     LCER   2, 2
                000B72  7A 20 D 208               AE     2, 520( 0,13)                    428C0000
                000B76  70 20 D 23C               STE    2, 572( 0,13)                    XTEMP
                000B7A  41 10 D 114               LA     1, 276( 0,13)
                000B7E  58 F0 D 284               L     15, 692( 0,13)                    INT16
                000B82  05 EF                     BALR  14,15
                000B84  47 00 0 106               BC     0, 262( 0, 0)
                000B88  40 00 D 304               STH    0, 772( 0,13)                    .T07
                000B8C  40 00 8 C98               STH    0, 152( 0, 8)                    PCFBFR
                000B90  18 FF             999     LR    15,15
                000B92  58 E0 D 000               L     14,   0( 0,13)
                000B96  07 FE                     BCR   15,14
ADDRESS OF EPILOGUE
                000B98  58 80 D 004               L      8,   4( 0,13)
                000B9C  58 E0 8 00C               L     14,  12( 0, 8)
                000BA0  58 10 8 018               L      1,  24( 0, 8)
                000BA4  18 D8                     LR    13, 8
                000BA6  98 2C D 01C               LM     2,  28(12,13)
                000BAA  92 FF D 00C               MVI   15,  12(15,13)
                000BAE  07 FE                     BCR   15,14
ADDRESS OF PROLOGUE
                000BB0  98 45 1 000               LM     4,   0( 5, 1)
                000BB4  48 20 4 000               LH     2,   0( 0, 4)
                000BB8  40 20 D 228               STH    2, 552( 0,13)                    NUM
                000BBC  48 20 5 000               LH     2,   0( 0, 5)
                000BC0  40 20 D 22E               STH    2, 558( 0,13)                    HTIME
                000BC4  47 F0 D 3C8               BC    15, 776( 0,13)
ADCON FOR PROLOGUE
                000020  00000BB0                  DC    XL4'00000BB0'
ADCON FOR SAVE AREA
                000024  00000028                  DC    XL4'00000028'
ADCON FOR EPILOGUE
                000028  00000B98                  DC    XL4'00000B98'
ADCONS FOR BRANCH TABLES
                000C74  0000036C                  DC    XL4'0000036C'
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000078  0000036C          DC    XL4'0000036C'
00007C  000003B2          DC    XL4'000003B2'
000080  000003C2          DC    XL4'000003C2'
000084  000003EC          DC    XL4'000003EC'
000088  0000042A          DC    XL4'0000042A'
00008C  00000454          DC    XL4'00000454'
000090  00000464          DC    XL4'00000464'
000094  000004BC          DC    XL4'000004BC'
000098  00000522          DC    XL4'00000522'
00009C  0000053E          DC    XL4'0000053E'
0000A0  000005D8          DC    XL4'000005D8'
0000A4  00000616          DC    XL4'00000616'
0000A8  00000654          DC    XL4'00000654'
0000AC  00000682          DC    XL4'00000682'
0000B0  0000068E          DC    XL4'0000068E'
0000B4  000006C4          DC    XL4'000006C4'
0000B8  000006DC          DC    XL4'000006DC'
0000BC  000006FC          DC    XL4'000006FC'
0000C0  00000722          DC    XL4'00000722'
0000C4  0000069A          DC    XL4'0000069A'
0000C8  00000924          DC    XL4'00000924'
0000CC  00000928          DC    XL4'00000928'
0000D0  00000A9E          DC    XL4'00000A9E'
0000D4  00000AEE          DC    XL4'00000AEE'
0000D8  00000B02          DC    XL4'00000B02'
0000DC  00000B1A          DC    XL4'00000B1A'
0000E0  00000B1E          DC    XL4'00000B1E'
ADCONS FOR PARAMETER LISTS
0000E4  8000024C          DC    XL4'8000024C'                    K
0000EC  8000020C          DC    XL4'8000020C'                    41180C00
0000F0  80000000          DC    XL4'80000000'
0000F4  00000314          DC    XL4'00000314'                    .T01
0000F8  80000200          DC    XL4'80000200'                    40AAAA3A
0000FC  00000318          DC    XL4'00000318'                    .T02
000100  80000200          DC    XL4'80000200'                    40AAAA3A
0001C8  800001F4          DC    XL4'800001F4'                    402C0C00
000110  800001F8          DC    XL4'800001F8'                    404C0C00
000118  800001FC          DC    XL4'800001FC'                    408C0C00
000124  80000150          DC    XL4'80000150'                    4
000128  8000026C          DC    XL4'8000026C'                    UTEMP4
00012C  80000298          DC    XL4'80000298'                    UANG1
0C0130  80000320          DC    XL4'80000320'                    .T04
000134  80000298          DC    XL4'80000298'                    UANG1
000138  80000318          DC    XL4'80000318'                    .T02
0C013C  80000264          DC    XL4'80000264'                    XTEMP
TEMPORARIES AND PHASE 2C CONSTANTS
0002F0  00000000          DC    XL4'00000000'
0002F4  00000000          DC    XL4'00000000'
0002F8  00000000          DC    XL4'00000000'
0002FC  00000000          DC    XL4'00000000'
000300  00000000          DC    XL4'00000000'
0C0304  00000000          DC    XL4'00000000'
0003C8  00000000          DC    XL4'00000000'
0C030C  421983E8          DC    XL4'4219B3EE'
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                C0C310  00000000            DC      XL4'00000000'
                000314  00000000            DC      XL4'00000000'
                000318  00000000            DC      XL4'00000000'
                00031C  00000000            DC      XL4'00000000'
                000320  00000000            DC      XL4'00000000'
                000324  00000000            DC      XL4'00000000'
                000328  00000000            DC      XL4'00000000'
                C0C32C  00000000            DC      XL4'00000000'
ADCONS FOR B BLOCK LABELS
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NAME	TAG	TYPE	ADD.	NAME	TAG	TYPE	ADD.	NAME	TAG	TYPE	ADD.	NAME	TAG	TYPE	ADD.
I	SF	I*2	000248	J	SF	I*2	00024A	K	SFA	I*2	00024C	IX	SFA	I*2	00024E
GMT	C	I*2	N.R.	MFO	C	I*2	N.R.	NUM	F	I*2	00025C	RFA	C	I*2	N.R.
RFB	C	I*2	N.R.	RFC	C	I*2	N.R.	RFD	C	I*2	N.R.	RFE	C	I*2	N.R.
RFF	C	I*2	N.R.	XAF	F C	R*4	000030	XAH	F C	R*4	000000	XAX	F C	R*4	000038
XAY	F C	R*4	000040	XBF	F C	R*4	000038	XBH	F C	R*4	000004	XCX	F C	R*4	000044
XCY	F C	R*4	000048	ACAL	SF C	I*2	000120	AFBF	F	R*4	000270	CBLK	C	I*2	N.R.
FOGO	C	I*2	N.R.	IPCF	C	I*2	N.R.	ISMO	C	I*2	N.R.	MBLK	C	I*2	N.R.
MOVE	SF XF	I*2	000000	ROOT	F XF	R*4	000000	TEMP	SF	I*2	000252	XAFO	F C	R*4	000034
XAVB	F C	R*4	000028	XBVB	F C	R*4	00002C	XXAF	SF	R*4	00025C	XXBF	SF	R*4	000260
ZCAL	SFA C	R*4	0000A0	BTIME	SF	I*2	000254	CXREG	C	I*2	N.R.	FLT16	F XF	R*4	000000
FONUM	C	I*2	000018	FOSEL	C	I*2	N.R.	HTIME		I*2	000256	IANG1	SFA E	I*2	000298
INT16	F XF	I*2	000000	MBITH	C	I*2	N.R.	MBITL	C	I*2	N.R.	MERGE	C	I*2	N.R.
NTIME	F C	I*2	000046	OFLOW	C	I*2	N.R.	ONSEQ	C	I*2	N.R.	PBLKI	C	I*2	N.R.
PMSGN	C	I*2	N.R.	PPCFI	C	I*2	N.R.	PPCFN	C	I*2	N.R.	PPCFV	C	I*2	N.R.
QBLKI	C	I*2	N.R.	QPCFI	C	I*2	N.R.	QPCFN	C	I*2	N.R.	QPCFV	C	I*2	N.R.
STATE	C	I*2	N.R.	STFLG	C	I*2	N.R.	TIMEX	C	I*2	N.R.	TLHED	C	I*2	N.R.
UANG1	SFA E	R*4	000298	UANG2	SF E	R*4	00029C	UANG3	E	R*4	0002A0	XAIBO	C	R*4	N.R.
XAIB1	SF C	R*4	000008	XBIBO	C	R*4	N.R.	XBIB1	SFA C	R*4	00000C	XCIBO	C	R*4	N.R.
XCIB1	SFA C	R*4	000010	XDIBO	C	R*4	N.R.	XDIB1	SF C	R*4	000014	XTEMP	SFA	R*4	000264
SIN	XF	R*4	000000	COS	XF	R*4	000000	TAN	XF	R*4	000000	ACTHLD	C	I*2	N.R.
ACTOFF	C	I*2	N.R.	ACTRST	C	I*2	N.R.	ARCTAN	F XF	R*4	000000	DOCALC		I*2	000258
FOSTRT	C	I*2	N.R.	GNCBFR	C	I*2	N.R.	HEXIND	C	I*2	N.R.	HEXTAB	C	I*2	N.R.
MENIND	C	I*2	N.R.	MESCOM	C	I*2	N.R.	MESFLG	C	I*2	N.R.	MSGBLA	SFA C	I*2	000082
MSGBL9	C	I*2	N.R.	MZFFFF	C	I*2	N.R.	MZFFF0	C	I*2	N.R.	MZFF00	C	I*2	N.R.
MZF000	C	I*2	N.R.	MZOFFF	C	I*2	N.R.	MZOFF0	C	I*2	N.R.	MZOF00	C	I*2	N.R.
MZ00FF	C	I*2	N.R.	MZ00F0	C	I*2	N.R.	MZ000F	C	I*2	N.R.	MZ0000	C	I*2	N.R.
OFFSEQ	C	I*2	N.R.	PCFBFR	SFA C	I*2	000000	ROUTIX	C	I*2	N.R.	SMOSEL	C	I*2	N.R.
UTEMP1		R*4	N.R.	UTEMP2		R*4	N.R.	UTEMP3	SF	R*4	000268	UTEMP4	SFA	R*4	00026C
UTEMP5		R*4	N.R.	UTEMP6		R*4	N.R.								

***** COMMON INFORMATION *****

NAME OF COMMON BLOCK *DEPCOM* SIZE OF BLOCK 000078 HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
STATE	I*2	N.R.	ISMO	I*2	N.R.	IPCF	I*2	N.R.	FOGO	I*2	N.R.
ACTHLD	I*2	N.R.	ACTOFF	I*2	N.R.	ACTRST	I*2	N.R.	RFA	I*2	N.R.
RFB	I*2	N.R.	RFC	I*2	N.R.	RFD	I*2	N.R.	RFE	I*2	N.R.
RFF	I*2	N.R.	MBLK	I*2	N.R.	MFO	I*2	N.R.	TIMEX	I*2	N.R.
MERGE	I*2	N.R.	MZ0000	I*2	N.R.	MZ000F	I*2	N.R.	MZ00F0	I*2	N.R.
MZOF00	I*2	N.R.	MZF000	I*2	N.R.	MZ00FF	I*2	N.R.	MZOFF0	I*2	N.R.
MZFF00	I*2	N.R.	MZOFFF	I*2	N.R.	MZFFF0	I*2	N.R.	MZFFFF	I*2	N.R.
MBITL	I*2	N.R.	MBITH	I*2	N.R.						

NAME OF COMMON BLOCK * COEFF* SIZE OF BLOCK 00004C HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
XAH	R*4	000000	XBH	R*4	000004	XAIB1	R*4	000008	XBIB1	R*4	00000C
XCIB1	R*4	000010	XDIB1	R*4	000014	XAIBO	R*4	N.R.	XBIBO	R*4	N.R.
XCIBO	R*4	N.R.	XDIBO	R*4	N.R.	XAVB	R*4	000028	XBVB	R*4	00002C

XAF	R*4	000030	XAFO	R*4	000034	XBF	R*4	000038	XAX	R*4	00003C
XAY	R*4	000040	XCX	R*4	000044	XCY	R*4	000048			

NAME OF COMMON BLOCK *MSGCOM* SIZE OF BLOCK 0000C2 HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
MESFLG	I*2	N.R.	MESCOM	I*2	N.R.	MSGBL9	I*2	N.R.	MSGBLA	I*2	000082

NAME OF COMMON BLOCK * TLBUF* SIZE OF BLOCK 002EEE HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
TLHED	I*2	N.R.	CXREG	I*2	N.R.	CBLK	I*2	N.R.			

NAME OF COMMON BLOCK *HXCSCT* SIZE OF BLOCK 00012C HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
FEXIND	I*2	N.R.									

NAME OF COMMON BLOCK *PCFBUF* SIZE OF BLOCK 000134 HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
PCFBFR	I*2	000000	ZCAL	R*4	0000A0	ACAL	I*2	000120			

NAME OF COMMON BLOCK * FOFLG* SIZE OF BLOCK 00005C HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
FOSEL	I*2	N.R.	SMOSEL	I*2	N.R.	STFLG	I*2	N.R.	PMSGN	I*2	N.R.
PBLKI	I*2	N.R.	PPCFI	I*2	N.R.	PPCFV	I*2	N.R.	PPCFN	I*2	N.R.
QBLKI	I*2	N.R.	QPCFI	I*2	N.R.	QPCFV	I*2	N.R.	QPCFN	I*2	N.R.
FONUM	I*2	000018	GMT	I*2	N.R.	MENIND	I*2	N.R.	FOSTRT	I*2	N.R.
ONSEQ	I*2	N.R.	OFFSEQ	I*2	N.R.	OFLOW	I*2	N.R.	NTIME	I*2	000046
ROUTIX	I*2	N.R.									

NAME OF COMMON BLOCK *HEXCOM* SIZE OF BLOCK 002940 HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
HEXTAB	I*2	N.R.									

NAME OF COMMON BLOCK *GNCCOM* SIZE OF BLOCK 000038 HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
GNCBFR	I*2	N.R.									

LABEL	ADDR	LABEL	ADDR	LABEL	ADDR	LABEL	ADDR
100	000330	1	00036C	101	000388	2	0003B2
3	0003C2	4	0003EC	5	00042A	6	000454
7	000464	71	000480	8	0004BC	81	000516
9	000522	10	00053E	107	000570	11	0005DB
12	000616	13	000654	14	000682	15	0006BE
20	0006EA	16	0006C4	17	0006DC	18	0006FC
19	000722	1905	000736	1910	000758	1960	0007E2
1970	0007EE	1975	00080A	1978	000816	1980	000822
1985	000884	1990	000890	21	000924	22	000928
222	0009C6	224	0009F6	226	000A12	227	000A20
228	000A2C	229	000A3A	230	000A46	23	000A9E
231	000AB6	232	000AD8	24	000AEE	25	000B02
26	000B1A	27	000B1E	990	000B26	999	000B90

OPTIONS IN EFFECT NAME= MAIN,OPT=02,LINECNT=56,SIZE=0000K,

OPTIONS IN EFFECT SOURCE,EBCDIC,LIST,NODECK,LOAD,MAP,NOEDIT,ID,NOXREF

STATISTICS SOURCE STATEMENTS = 264 ,PROGRAM SIZE = 3016

STATISTICS NO DIAGNOSTICS GENERATED

****** END OF COMPILATION ****** 71K BYTES OF CORE NOT USED

```
        COMPILER OPTIONS - NAME=  MAIN,OPT=02,LINECNT=56,SIZE=0000K,
                           SOURCE,EBCDIC,LIST,NODECK,LOAD,MAP,NOEDIT,ID,NOXREF
ISN 0002          SUBROUTINE ECPCF                                          VER1SN
                  C*************************************************        VER1SN
                  C** THIS SUBROUTINE UPDATES THE PCF COMMON USING EC-DEP *  VER1SN
                  C** PCF UPDATES.                                       *  VER1SN
                  C**                                                    *  VER1SN
                  C** PCFID = 0000 NO PCF UPDATE              (EC-DEP)    *  VER1SN
                  C**       = 0001 PARAMETER VALUE SOLICIT    (EC-DEP)    *  VER1SN
                  C**       = 0002 PARAMETER VALUE UPDATE REQ (EC-DEP)    *  VER1SN
                  C**       = 0003 PARAMETER VALUE OUTPUT     (DEP-EC)    *  VER1SN
                  C**                                                    *  VER1SN
                  C** NOTE: PCF UPDATES ARE PROCESSED ONLY DURING VALID  *  VER1SN
                  C**       PERIODS, WITH THE EXCEPTION OF THREE - AEPI,    *  VER1SN
                  C**       SELMAS, AND HTR (PCFNO(31),(32), AND (35).   *  VER1SN
                  C**       THESE THREE WILL BE PROCESSED AT ANYTIME     *  VER1SN
                  C**       DURING THE EC.                               *  VER1SN
                  C*************************************************        VER1SN
                  C*************************************************        VER1SN
                  C                                                         VER1SN
                  C** TYPE STATEMENTS -- DECLARE (A-T) INTEGER (16-BITS)    VER1SN
                  C**                 -- DECLARE (U-W) INTEGER (32-BITS)    VER1SN
                  C**                 -- DECLARE (X-Z) REAL    (32-BITS)    VER1SN
                  C                                                         VER1SN
ISN 0003          IMPLICIT INTEGER*2 (A-T), INTEGER*4 (U-W), REAL*4 (X-Z)   VER1SN
                  C                                                         VER1SN
                  C                                                         VER1SN
ISN 0004          COMMON /DEPCOM/ STATE,ISMO,IPCF,FOGC,ACTHLD,ACTOFF,ACTRST,  VER1SN
                 .                RFA,RFB,RFC,RFD,RFE,RFF,MBLK,MFG,TIMEX,MERGE,  VER1SN
                 .                MZ0000,MZ000F,MZ00F0,MZ0F00,MZF000,MZ00FF,MZ0FF0  VER1SN
                 .                ,MZFF00,MZ0FFF,MZFFF0,MZFFFF,MBITL(16),MBITH(16)  VER1SN
                  C                                                         VER1SN
ISN 0005          COMMON /FOFLG/ FOSEL,SMOSEL,STFLG,FMSGN,PBLKI,PPCFI,PPCFV,  VER1SN
                 .               PPCFN,CBLKI,QPCFI,QPCFV,CPCFN,FONUM(4),GMT(3,4),  VER1SN
                 .               MENIND,FOSTRT(3),ONSEQ,CFFSEQ,OFLOW,KTIME,ROUTIX(10)  VER1SN
                  C                                                         VER1SN
ISN 0006          COMMON /PCFBUF/ PCFBFR(80),ZCAL(32),ACAL(10)              VER1SN
ISN 0007          COMMON /OUTCOM/ SINT1,SINT2,SINT3,BOUT1(31),BOUT2(31),    VER1SN
                 .                BOUT3(31)                                 VER1SN
                  C                                                         VER1SN
                  C                                                         VER1SN
ISN 0008          COMMON /MSGCOM/ MESFLG,MESCOM(32),MSGBL9(32),MSGBLA(32)   VER1SN
                  C                                                         VER1SN
ISN 0009          COMMON /STATW1/ ST1F00,ST1F01,ST1F02,ST1F03,ST1F04,ST1F05,ST1F06  VER1SN
                 .               ,ST1F07,ST1F08,ST1F09,ST1F10,ST1F11,ST1F12,ST1F13  VER1SN
                 .               ,ST1F14,ST1F15                             VER1SN
ISN 0010          COMMON /STATW2/ ST2F00,ST2F01,ST2F02,ST2F03,ST2F04,ST2F05,ST2F06  VER1SN
                 .               ,ST2F07,ST2F08,ST2F09,ST2F10,ST2F11,ST2F12,ST2F13  VER1SN
                 .               ,ST2F14,ST2F15                             VER1SN
                  C*************************************************        VER1SN
                  C** CALL 'UHEADR' TO FETCH BLOCK ID AND PCF    **        VER1SN
                  C** INFORMATION.                               **        VER1SN
                  C*************************************************        VER1SN
                  C                                                         VER1SN
```

```
ISN 0011            CALL UHEADR                                                 VERISW
                    C                                                           VERISW
                    C** CHECK VALID BLOCK ID = 8                                VERISW
                    C                                                           VERISW
ISN 0012            IF(QBLKI.NE.8) RETURN                                       VERISW
                    C SCHEDULE SPECACM TO PROCESS COMMANDS                      VERISW
                    C                                                           VERISW
                    C*****************************************                  VERISW
                    C** CHECK PCF ID = 0 (NO PCF UPDATE) **                     VERISW
                    C*****************************************                  VERISW
                    C                                                           VERISW
ISN 0014            IF(QPCFI.EQ.0) RETURN                                       VERISW
                    C                                                           VERISW
                    C*********************************************             VERISW
                    C** CHECK PCF ID = 1  (PCF VALUE SOLICIT) **               VERISW
                    C*********************************************             VERISW
                    C                                                           VERISW
ISN 0016            IF(QPCFI.NE.1) GO TO 3                                      VERISW
                    C                                                           VERISW
                    C** FETCH PCF VALUE                                         VERISW
                    C                                                           VERISW
ISN 0018            PPCFV = PCFBFR(QPCFN)                                       VERISW
                    C                                                           VERISW
                    C** SET UP PCF BLOCK #0 BLOCK ID AND PCF HEADER INFORMATION VERISW
                    C                                                           VERISW
ISN 0019          2 PBLKI = 0                                                   VERISW
ISN 0020            PPCFI = QPCFI                                               VERISW
ISN 0021            PPCFN = QPCFN                                               VERISW
                    C** SEND BOUT1 TO EC   **                                   VERISW
ISN 0022            SINT1=1                                                     VERISW
ISN 0023            GO TO 999                                                   VERISW
                    C                                                           VERISW
                    C*************************************************************VERISW
                    C** CHECK FOR PCF ID = 2  (PARAMETER VALUE UPDATE REQ) **   VERISW
                    C*************************************************************VERISW
                    C                                                           VERISW
ISN 0024          3 CONTINUE                                                    VERISW
ISN 0025            IF(QPCFI.NE.2) GO TO 999                                    VERISW
                    C                                                           VERISW
                    C*****************************************************************VERISW
                    C** CHECK IF PCFNO = 31, 30, OR 34 (AEPI,SELMAS, OR HTR)   **VERISW
                    C*****************************************************************VERISW
                    C                                                           VERISW
                    C                                                           VERISW
                    C** UPDATE PCFBFR WITH NEW PCF VALUE                        VERISW
ISN 0027         33 CONTINUE                                                    VERISW
ISN 0028            IF((QPCFN.GE.4).AND.(QPCFN.LE.13)) GO TO 35                 VERISW
ISN 0030            IF((QPCFN.GE.15).AND.(QPCFN.LE.23)) GO TO 35                VERISW
ISN 0032            IPCF = 1                                                    VERISW
ISN 0033            PCFBFR(QPCFN) = QPCFV                                       VERISW
ISN 0034            PPCFV = PCFBFR(QPCFN)                                       VERISW
ISN 0035            IF(QPCFN.EQ.34) CALL SETHTR(QPCFV,FCNUM(1))                 VERISW
                    C     SET PROCEED IF IN FO PREP WAIT OR SMO                 VERISW
ISN 0037            IF(STATE.EQ.2) GO TO 333                                    VERISW
```

```
ISN 0039            IF(STATE.NE.4) GO TO 2                                  VERISW
ISN 0041          333 CONTINUE                                              VERISW
ISN 0042            STIF00=1                                                VERISW
ISN 0043            STIF14=1                                                VERISW
ISN 0044            GO TO 2                                                 VERISW
                C                                                           VERISW
ISN 0045           35 CONTINUE                                              VERISW
                C     SIGNAL INVALID PCF                                    VERISW
ISN 0046            PMSGN=2                                                 VERISW
ISN 0047            PPCFV=0                                                 VERISW
ISN 0048            GO TO 2                                                 VERISW
                C** RETURN TO CALLING PROGRAM                               VERISW
                C                                                           VERISW
ISN 0049          999   RETURN                                              VERISW
ISN 0050            END                                                     VERISW
```

```
                000000C0  47 F0 F 00C     ECPCF     EC     15,12(0,15)
                000000C4  07                        CC     XL1'07'
                000000C5  C5C3D7C3C64040            CC     CL7'ECPCF  '
                000000CC  90 EC D 00C               STM    14,12,12(13)
                000000D0  18 4D                     LR     4,13
                000000D4  98 CD F 020               LM     12,13,32(15)
                000000D8  50 40 D 004               ST     4,4(0,13)
                000000DA  50 D0 4 008               ST     13,8(0,4)
                000000DE  07 FC                     BCR    15,12

CONSTANTS
                000000E0  00000000                  DC     XL4'00000000'
                000000E4  00000001                  DC     XL4'00000001'
                000000E8  00000002                  DC     XL4'00000002'
                000000EC  00000004                  DC     XL4'00000004'
                000000F0  00000006                  DC     XL4'00000006'
                000000F4  00000008                  DC     XL4'00000008'
                000000F8  0000000D                  DC     XL4'0000000D'
                000000FC  0000000F                  DC     XL4'0000000F'
                00000100  00000017                  DC     XL4'00000017'
                00000104  00000022                  DC     XL4'00000022'
ADCONS FOR VARIABLES AND CONSTANTS
ADCONS FOR COMMON
                00000160  00000000                  DC     XL4'00000000'
                00000164  00000000                  DC     XL4'00000000'
                00000168  FFFFFFFE                  DC     XL4'FFFFFFFE'
                0000016C  00000000                  DC     XL4'00000000'
                00000170  00000000                  DC     XL4'00000000'
                00000174  00000000                  DC     XL4'00000000'
                00000178  00000000                  DC     XL4'00000000'
ADCONS FOR EXTERNAL REFERENCES
                0000017C  00000000                  DC     XL4'00000000'          SETHTR
                00000180  00000000                  DC     XL4'00000000'          UHEADR
                00000184  58 A0 D 09C     100001    L      10, 156( 0,13)
                00000188  58 80 D 090               L       8, 144( 0,13)
                0000018C  58 70 D 088               L       7, 136( 0,13)
                00000190  58 50 D 08C               L       5, 140( 0,13)
                00000194  41 60 0 001               LA      6,   1( 0, 0)            1
                00000198  41 90 0 002               LA      9,   2( 0, 0)            2
                0000019C  41 B0 0 004               LA     11,   4( 0, 0)            4
                000001A0  1B 11                     SR      1, 1
                000001A2  58 F0 D 0A8               L      15, 168( 0,13)          UHEADR
                000001A6  05 EF                     EALR   14,15
                000001A8  47 00 0 008               BC      0,  11( 0, 0)
                000001AC  48 00 5 010               LH      0,  16( 0, 5)          QBLKI
                000001B0  59 00 D 06C               C       0, 108( 0,13)            8
                000001B4  47 90 D 0E8               BC      9, 232( 0,13)        D   $NC
                000001C8  1B FF           100002    SR     15,15
                000001CA  58 E0 D 000               L      14,   0( 0,13)
                000001CE  07 FE                     BCR    15,14
                000001D0  48 00 5 012     100003    LH      0,  18( 0, 5)          QPCFI
                000001D4  12 00                     LTR     0, 0
                000001D6  47 60 D 0FA               BC      6, 250( 0,13)        D  H $OM
                000001EA  1B FF           100004    SR     15,15
```

```
000011C  58 E0 D 000              L     14,    0( 0,13)
000120   07 FE                    BCR   15,14
000122   49 60 5 012      100005  CH    6,   18( 0, 5)          QPCFI
000126   47 60 D 136              BC    6, 310( 0,13)             3
00012A   48 20 5 016      100006  LH    2,   22( 0, 5)          QPCFN
00012E   89 20 0 001              SLL   2,    1( 0, 0)
000132   48 02 8 000              LH    0,    0( 2, 8)          PCFBFR
000136   40 00 5 00C              STH   0,   12( 0, 5)          PPCFV
00013A   41 00 0 000            2 LA    0,    0( 0, 0)             0
00013E   40 00 5 CC8              STH   0,    8( 0, 5)          PBLKI
000142   48 00 5 012              LH    0,   18( 0, 5)          QPCFI
000146   40 00 5 00A              STH   0,   10( 0, 5)          PPCFI
00014A   48 00 5 016              LH    0,   22( 0, 5)          QPCFN
00014E   40 00 5 00E              STH   0,   14( 0, 5)          PPCFN
000152   58 F0 D 094              L     15, 148( 0,13)
000156   40 60 F 000              STH   6,    0( 0,15)          SINTI
00015A   47 F0 D 200              BC    15, 512( 0,13)          599
00015E   49 90 5 012          3   CH    9,   18( 0, 5)          QPCFI
000162   47 60 D 200              BC    6, 512( 0,13)           599
000166   49 B0 5 016         33   CH    11,  22( 0, 5)          QPCFN
00016A   41 40 0 001              LA    4,    1( 0, 0)
00016E   47 C0 D 14C              BC    12, 332( 0,13)
000172   1B 44                    SR    4, 4
000174   48 00 5 016              LH    0,   22( 0, 5)          QPCFN
000178   59 00 D C70              C     0, 112( 0,13)             0
00017C   41 30 0 001              LA    3,    1( 0, 0)
000180   47 C0 D 15E              BC    12, 350( 0,13)
000184   1B 33                    SR    3, 3
000186   14 34                    NR    3, 4
000188   1B FF                    SR    15,15
00018A   86 3F D 1F0              BXH   3, 496(15,13)           35
00018E   48 00 5 016      100007  LH    0,   22( 0, 5)          QPCFN
000192   59 00 D C74              C     0, 116( 0,13)             F
000196   41 40 0 001              LA    4,    1( 0, 0)
00019A   47 A0 D 178              BC    10, 376( 0,13)
00019E   1B 44                    SR    4, 4
0001A0   48 00 5 016              LH    0,   22( 0, 5)          QPCFN
0001A4   59 00 D 078              C     0, 120( 0,13)            17
0001A8   41 30 0 001              LA    3,    1( 0, 0)
0001AC   47 C0 D 18A              BC    12, 394( 0,13)
0001B0   1B 33                    SR    3, 3
0001B2   14 34                    NR    3, 4
0001B4   1B FF                    SR    15,15
0001B6   86 3F D 1F0              BXH   3, 496(15,13)           35
0001BA   40 60 7 004      100008  STH   6,    4( 0, 7)          IPCF
0001BE   48 30 5 016              LH    3,   22( 0, 5)          QPCFN
0001C2   89 30 0 001              SLL   3,    1( 0, 0)
0001C6   48 00 5 014              LH    0,   20( 0, 5)          QPCFV
0001CA   40 03 8 000              STH   0,    0( 3, 8)          PCFBFR
0001CE   48 03 8 000              LH    0,    0( 3, 8)          PCFBFR
0001D2   40 00 5 00C              STH   0,   12( 0, 5)          PPCFV
0001D6   48 00 5 016              LH    0,   22( 0, 5)          QPCFN
0001DA   59 00 D C7C              C     0, 124( 0,13)            22
0001DE   47 60 D 1D4              BC    6, 468( 0,13)       D   H   $UB
```

```
                0001E2  41 00 5 C18       100009  LA      0,  24( 0, 5)                   FONUM
                0001E6  50 00 D 050               ST      0,  80( 0,13)
                0001EA  92 80 D 050               MVI     8,  80( 0,13)
                0001EE  41 10 D 04C               LA      1,  76( 0,13)
                0001F2  58 F0 D 0A4               L       15, 164( 0,13)                  SETHTR
                0001F6  05 EF                     BALR    14,15
                0001F8  47 00 0 024               BC      0,  36( 0, 0)
                0001FC  49 90 7 000       100010  CH      9,   0( 0, 7)                   STATE
                000200  47 90 D 1E4               BC      9, 484( 0,13)                   333
                000204  49 B0 7 000       100011  CH      11,  0( 0, 7)                   STATE
                000208  47 60 D 112               BC      6, 274( 0,13)                   2
                00020C  40 60 A 000           333 STH     6,   0( 0,10)                   ST1F00
                000210  40 60 A 01C               STH     6,  28( 0,10)                   ST1F14
                000214  47 F0 D 112               BC      15, 274( 0,13)                  2
                000218  40 90 5 006            35 STH     9,   6( 0, 5)                   PMSGN
                00021C  41 00 0 000               LA      0,   0( 0, 0)                   0
                000220  40 00 5 00C               STH     0,  12( 0, 5)                   PPCFV
                000224  47 F0 D 112               BC      15, 274( 0,13)                  2
                000228  18 FF                    LR      15,15
                00022A  58 E0 D 000               L       14,   0( 0,13)
                00022E  07 FE                     BCR     15,14
ADDRESS OF EPILOGUE
                000230  58 80 D 004               L       8,   4( 0,13)
                000234  58 E0 8 00C               L       14,  12( 0, 8)
                000238  58 10 8 018               L       1,   24( 0, 8)
                00023C  18 D8                     LR      13, 8
                00023E  98 2C D 01C               LM      2,  28(12,13)
                000242  92 FF D 00C               MVI     15,  12(15,13)
                000246  07 FE                     BCR     15,14
ADDRESS OF PROLOGUE
                000248  47 F0 D 0AC               BC      15, 172( 0,13)
ADCON FOR PROLOGUE
                000020  00000248                 DC      XL4'00000248'
ADCON FOR SAVE AREA
                000024  00000028                 DC      XL4'00000028'
ADCON FOR EPILOGUE
                000028  00000230                 DC      XL4'00000230'
ADCONS FOR PARAMETER LISTS
                000074  00000014                 DC      XL4'00000014'                   QPCFV
                000078  80000000                 DC      XL4'80000000'
ADCONS FOR B BLOCK LABELS
```

NAME	TAG	TYPE	ADD.	NAME	TAG	TYPE	ADD.	NAME	TAG	TYPE	ADD.	NAME	TAG	TYPE	ADD.
GMT	C	I*2	N.R.	MFO	C	I*2	N.R.	RFA	C	I*2	N.R.	RFB	C	I*2	N.R.
RFC	C	I*2	N.R.	RFD	C	I*2	N.R.	RFE	C	I*2	N.R.	RFF	C	I*2	N.R.
ACAL	C	I*2	N.R.	FOGO	C	I*2	N.R.	IPCF S	C	I*2	000004	ISMO	C	I*2	N.R.
MBLK	C	I*2	N.R.	ZCAL	C	R*4	N.R.	BOUT1	C	I*2	N.R.	BOUT2	C	I*2	N.R.
BOUT3	C	I*2	N.R.	ECPCF		I*2	0000A8	FONUM SFA	C	I*2	000018	FOSEL	C	I*2	N.R.
MBITH	C	I*2	N.R.	MBITL	C	I*2	N.R.	MERGE	C	I*2	N.R.	NTIME	C	I*2	N.R.
OFLOW	C	I*2	N.R.	ONSEQ	C	I*2	N.R.	PBLKI S	C	I*2	000008	PMSGN S	C	I*2	000000
PPCFI S	C	I*2	00000A	PPCFN S	C	I*2	00000E	PPCFV S	C	I*2	00000C	QBLKI	C	I*2	000010
QPCFI F	C	I*2	000012	QPCFN F	C	I*2	000016	QPCFV SFA	C	I*2	000014	SINTI S	C	I*2	000000
SINT2	C	I*2	N.R.	SINT3	C	I*2	N.R.	STATE	C	I*2	000000	STFLG	C	I*2	N.R.
TIMEX	C	I*2	N.R.	ACTHLD	C	I*2	N.R.	ACTOFF	C	I*2	N.R.	ACTRST	C	I*2	N.R.
FOSTRT	C	I*2	N.R.	MENIND	C	I*2	N.R.	MESCOM	C	I*2	N.R.	MESFLG	C	I*2	N.R.
MSGBLA	C	I*2	N.R.	MSGBL9	C	I*2	N.R.	MZFFFF	C	I*2	N.R.	MZFFF0	C	I*2	N.R.
MZFF00	C	I*2	N.R.	MZF000	C	I*2	N.R.	MZOFFF	C	I*2	N.R.	MZOFF0	C	I*2	N.R.
MZOF00	C	I*2	N.R.	MZOOFF	C	I*2	N.R.	MZOOF0	C	I*2	N.R.	MZOOOF	C	I*2	N.R.
MZOOOO	C	I*2	N.R.	OFFSEQ	C	I*2	N.R.	PCFBFR SF	C	I*2	000000	ROUTIX	C	I*2	N.R.
SETHTR SF	XF	I*2	000000	SMOSEL	C	I*2	N.R.	ST1F00 S	C	I*2	000000	ST1F01	C	I*2	N.R.
ST1F02	C	I*2	N.R.	ST1F03	C	I*2	N.R.	ST1F04	C	I*2	N.R.	ST1F05	C	I*2	N.R.
ST1F06	C	I*2	N.R.	ST1F07	C	I*2	N.R.	ST1F08	C	I*2	N.R.	ST1F09	C	I*2	N.R.
ST1F10	C	I*2	N.R.	ST1F11	C	I*2	N.R.	ST1F12	C	I*2	N.R.	ST1F13	C	I*2	N.R.
ST1F14 S	C	I*2	00001C	ST1F15	C	I*2	N.R.	ST2F00	C	I*2	N.R.	ST2F01	C	I*2	N.R.
ST2F02	C	I*2	N.R.	ST2F03	C	I*2	N.R.	ST2F04	C	I*2	N.R.	ST2F05	C	I*2	N.R.
ST2F06	C	I*2	N.R.	ST2F07	C	I*2	N.R.	ST2F08	C	I*2	N.R.	ST2F09	C	I*2	N.R.
ST2F10	C	I*2	N.R.	ST2F11	C	I*2	N.R.	ST2F12	C	I*2	N.R.	ST2F13	C	I*2	N.R.
ST2F14	C	I*2	N.R.	ST2F15	C	I*2	N.R.	UHEADR SF	XF	I*4	000000				

***** COMMON INFORMATION *****

NAME OF COMMON BLOCK *DEPCOM* SIZE OF BLOCK 000078 HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
STATE	I*2	000000	ISMO	I*2	N.R.	IPCF	I*2	000004	FOGO	I*2	N.R.
ACTHLD	I*2	N.R.	ACTOFF	I*2	N.R.	ACTRST	I*2	N.R.	RFA	I*2	N.R.
RFB	I*2	N.R.	RFC	I*2	N.R.	RFD	I*2	N.R.	RFE	I*2	N.R.
RFF	I*2	N.R.	MBLK	I*2	N.R.	MFO	I*2	N.R.	TIMEX	I*2	N.R.
MERGE	I*2	N.R.	MZOOOO	I*2	N.R.	MZOOOF	I*2	N.R.	MZOOF0	I*2	N.R.
MZOF00	I*2	N.R.	MZF000	I*2	N.R.	MZOOFF	I*2	N.R.	MZOFF0	I*2	N.R.
MZFF00	I*2	N.R.	MZOFFF	I*2	N.R.	MZFFF0	I*2	N.R.	MZFFFF	I*2	N.R.
MBITL	I*2	N.R.	MBITH	I*2	N.R.						

NAME OF COMMON BLOCK * FOFLG* SIZE OF BLOCK 00005C HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
FOSEL	I*2	N.R.	SMOSEL	I*2	N.R.	STFLG	I*2	N.R.	PMSGN	I*2	000000
PBLKI	I*2	000008	PPCFI	I*2	00000A	PPCFV	I*2	00000C	PPCFN	I*2	00000E
QBLKI	I*2	000010	QPCFI	I*2	000012	QPCFV	I*2	000014	QPCFN	I*2	000016
FONUM	I*2	000018	GMT	I*2	N.R.	MENIND	I*2	N.R.	FOSTRT	I*2	N.R.
ONSEQ	I*2	N.R.	OFFSEQ	I*2	N.R.	OFLOW	I*2	N.R.	NTIME	I*2	N.R.
ROUTIX	I*2	N.R.									

NAME OF COMMON BLOCK *PCFBUF* SIZE OF BLOCK 000134 HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
PCFBFR	I*2	000000	ZCAL	R*4	N.R.	ACAL	I*2	N.R.			

NAME OF COMMON BLOCK *OUTCOM* SIZE OF BLOCK 0000C0 HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
SINT1	I*2	000000	SINT2	I*2	N.R.	SINT3	I*2	N.R.	BOUT1	I*2	N.R.
BOUT2	I*2	N.R.	BOUT3	I*2	N.R.						

NAME OF COMMON BLOCK *MSGCOM* SIZE OF BLOCK 0000C2 HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
MESFLG	I*2	N.R.	MESCOM	I*2	N.R.	MSGBL9	I*2	N.R.	MSGBLA	I*2	N.R.

NAME OF COMMON BLOCK *STATW1* SIZE OF BLOCK 000020 HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
ST1F00	I*2	000000	ST1F01	I*2	N.R.	ST1F02	I*2	N.R.	ST1F03	I*2	N.R.
ST1F04	I*2	N.R.	ST1F05	I*2	N.R.	ST1F06	I*2	N.R.	ST1F07	I*2	N.R.
ST1F08	I*2	N.R.	ST1F09	I*2	N.R.	ST1F10	I*2	N.R.	ST1F11	I*2	N.R.
ST1F12	I*2	N.R.	ST1F13	I*2	N.R.	ST1F14	I*2	00001C	ST1F15	I*2	N.R.

NAME OF COMMON BLOCK *STATW2* SIZE OF BLOCK 000020 HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
ST2F00	I*2	N.R.	ST2F01	I*2	N.R.	ST2F02	I*2	N.R.	ST2F03	I*2	N.R.
ST2F04	I*2	N.R.	ST2F05	I*2	N.R.	ST2F06	I*2	N.R.	ST2F07	I*2	N.R.
ST2F08	I*2	N.R.	ST2F09	I*2	N.R.	ST2F10	I*2	N.R.	ST2F11	I*2	N.R.
ST2F12	I*2	N.R.	ST2F13	I*2	N.R.	ST2F14	I*2	N.R.	ST2F15	I*2	N.R.

LABEL	ADDR	LABEL	ADDR	LABEL	ADDR	LABEL	ADDR
2	00013A	3	00015E	33	000166	333	0C020C
35	000218	999	000228				

OPTIONS IN EFFECT NAME= MAIN,OPT=02,LINECNT=56,SIZE=0000K,

OPTIONS IN EFFECT SOURCE,EBCDIC,LIST,NODECK,LOAD,MAP,NOEDIT,ID,NOXREF

STATISTICS SOURCE STATEMENTS = 49 ,PROGRAM SIZE = 588

STATISTICS NO DIAGNOSTICS GENERATED

****** END OF COMPILATION ****** 107K BYTES OF CORE NOT USED

```
        COMPILER OPTIONS - NAME=  MAIN,OPT=02,LINECNT=56,SIZE=0000K,
                           SOURCE,EBCDIC,LIST,NODECK,LOAD,MAP,NOEDIT,ID,NOXREF
ISN 0002            BLOCK DATA                                                  VER1SN
                C*************************************************            VER1SN
                C** THIS BLOCK DATA INITILAIZES THE VARIOUS   ***              VER1SN
                C*************************************************            VER1SN
                C*************************************************            VER1SN
                C                                                               VER1SN
                C** TYPE STATEMENTS -- DECLARE (A-T) INTEGER (16-BITS)         VER1SN
                C**                 -- DECLARE (U-W) INTEGER (32-BITS)         VER1SN
                C**                 -- DECLARE (X-Z) REAL    (32-BITS)         VER1SN
                C                                                               VER1SN
ISN 0003            IMPLICIT INTEGER*2 (A-T), INTEGER*4 (U-W), REAL*4 (X-Z)     VER1SN
                C                                                               VER1SN
                C                                                               VER1SN
ISN 0004            COMMON /DEPCOM/ STATE,ISMO,IPCF,FCGC,ACTHLC,ACTCFF,ACTRST,  VER1SN
                .                   RFA,RFB,RFC,RFD,RFE,RFF,MBLK,MFC,TIMEX,MERGE,  VER1SN
                .                   MZ0000,MZ000F,MZ00F0,MZ0F00,MZFC00,MZ00FF,MZ0FF0  VER1SN
                .                  ,MZFF00,MZ0FFF,MZFFF0,MZFFFF,MBITC(16),MBITH(16)  VER1SN
ISN 00C5            COMMON /COEFF/  XAH,XBH,XAI81,XBI81,XCI81,XDI81,XAI80,XBI80,  VER1SN
                .                 XCI80,XDI80,XAVB,XBVB,XAF,XAF0,XBF,XAX,XAY,XCX,XCY  VER1SN
                C                                                               VER1SN
ISN 0006            COMMON /FOFLG/ FCSEL,SMOSEL,STFLG,PMSGN,PBLKT,PPCFI,PPCFV,  VER1SN
                .                  PPCFN,QBLKI,QPCFI,QPCFV,QPCFN,FGNUM(4),GMT(3,4),  VER1SN
                .                  MENIND,FOSTRT(3),ONSEQ,CFFSEQ,OFLOW,KYTME,ROUTIX(10)  VER1SN
                C                                                               VER1SN
                C                                                               VER1SN
                C                                                               VER1SN
ISN 0007            COMMON /PCFBUF/ PCFBFR(80),ZCAL(32),ACAL(10)                VER1SN
ISN 0008            COMMON /FOCSCT/ FCIND(150)                                  VER1SN
ISN 0009            COMMON /HXCSCT/ HEXIND(150)                                 VER1SN
ISN 0010            COMMON /OUTCOM/ SINT1,SINT2,SINT3,ECUT1(31),BOUT2(31),      VER1SN
                +                   BOUT3(31)                                   VER1SN
                C                                                               VER1SN
                C                                                               VER1SN
ISN 0011            COMMON /MSGCOM/ MESFLG,MESCCM(32),MSGBL9(32),MSGBLA(32)     VER1SN
ISN 0012            COMMON /GNCCOM/ GNCBFR(28)                                  VER1SN
ISN 0013            COMMON /TLBUF/  TLHED(6),CXREG(6,1000),CBLK                 VER1SN
ISN 0014            COMMON /STATW1/ ST1F00,ST1F01,ST1F02,ST1F03,ST1F04,ST1F05,ST1F06  VER1SN
                .                  ,ST1F07,ST1F08,ST1F09,ST1F10,ST1F11,ST1F12,ST1F13  VER1SN
                .                  ,ST1F14,ST1F15                               VER1SN
ISN 0015            COMMON /STATW2/ ST2F00,ST2F01,ST2F02,ST2F03,ST2F04,ST2F05,ST2F06  VER1SN
                .                  ,ST2F07,ST2F08,ST2F09,ST2F10,ST2F11,ST2F12,ST2F13  VER1SN
                .                  ,ST2F14,ST2F15                               VER1SN
ISN 0016            COMMON /UCMDW1/ CM1F00,CM1F01,CM1F02,CM1F03,CM1F04,CM1F05,CM1F06  VER1SN
                .                  ,CM1F07,CM1F08,CM1F09,CM1F10,CM1F11,CM1F12,CM1F13  VER1SN
                .                  ,CM1F14,CM1F15                               VER1SN
ISN 0017            COMMON /UCMDW2/ CM2F00,CM2F01,CM2F02,CM2F03,CM2F04,CM2F05,CM2F06  VER1SN
                .                  ,CM2F07,CM2F08,CM2F09,CM2F10,CM2F11,CM2F12,CM2F13  VER1SN
                .                  ,CM2F14,CM2F15                               VER1SN
                C                                                               VER1SN
                C                                                               VER1SN
                C                                                               VER1SN
                C** DATA STATEMENTS                                             VER1SN
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                C                                                                    VERISW
ISN 0018            DATA MBLK/225/, MFO/1/, STIF15/1/                                VERISW
ISN 0019            DATA STATE/0/,ISMO/0/,IPCF/0/,ACTHLD/0/,ACTOFF/0/,ACTRST/0/      VERISW
ISN 0020            DATA RFA/Z00FA/,RFB/Z00FB/,RFC/Z00FC/,RFD/Z00FD/,                VERISW
                   .     RFE/Z00FE/,RFF/Z00FF/                                       VERISW
ISN 0021            DATA MZ0000/Z0000/,MZ000F/Z000F/,MZ00F0/Z00F0/,MZ0F00/Z0F00/,    VERISW
                   .     MZF000/ZF000/,MZ00FF/Z00FF/,MZ0FF0/Z0FF0/,MZFF00/ZFF00/,    VERISW
                   .     MZ0FFF/Z0FFF/,MZFFF0/ZFFF0/,MZFFFF/ZFFFF/                   VERISW
ISN 0022            DATA MBITL/Z0001,Z0002,Z0004,Z0008,Z0010,Z0020,Z0040,Z0080,       VERISW
                   .           Z0100,Z0200,Z0400,Z0800,Z1000,Z2000,Z4000,Z8000/      VERISW
ISN 0023            DATA MBITH/Z8000,Z4000,Z2000,Z1000,Z0800,Z0400,Z0200,Z0100,      VERISW
                   .     Z0080,Z0040,Z0020,Z0010,Z0008,Z0004,Z0002,Z0001/            VERISW
ISN 0024            DATA XAH/0.350/, XBH/-0.976/, XAIB1/22.5/, XBIB1/0.0/,XCIB1/0.0/ VERISW
                   .    ,XDIB1/0.79/, XAIB0/36.3/, XBIB0/-0.0012/, XCIB0/0.0013/,    VERISW
                   .     XDIB0/4.C8/, XAVB/0.66/, XBVB/0.07/, XAF/1.0/, XAF0/2.11/,  VERISW
                   .     XBF/0.05/, XAX/0.0298/, XAY/0.0298/, XCX/0.15/, XCY/0.13/   VERISW
ISN 0025            END                                                              VERISW

ADCONS FOR VARIABLES AND CONSTANTS
ADCONS FOR COMMON
DATA CONSTANTS
                000000 0000      DC    XL2'0000'      STATE
                000002 0000      DC    XL2'0000'      ISMO
                000004 0000      DC    XL2'0000'      IPCF
                000008 0000      DC    XL2'0000'      ACTHLD
                00000A 0000      DC    XL2'0000'      ACTOFF
                00000C 0000      DC    XL2'0000'      ACTRST
                00000E 00        DC    XL1'00'        RFA
                00000F FA        DC    XL1'FA'        RFA
                000010 00        DC    XL1'00'        RFB
                000011 FB        DC    XL1'FB'        RFB
                000012 00        DC    XL1'00'        RFC
                000013 FC        DC    XL1'FC'        RFC
                000014 00        DC    XL1'00'        RFD
                000015 FD        DC    XL1'FD'        RFD
                000016 00        DC    XL1'00'        RFE
                000017 FE        DC    XL1'FE'        RFE
                000018 00        DC    XL1'00'        RFF
                000019 FF        DC    XL1'FF'        RFF
                00001A 00E1      DC    XL2'00E1'      MBLK
                00001C 0001      DC    XL2'0001'      MFO
                000022 00        DC    XL1'00'        MZ0C00
                000023 00        DC    XL1'00'        MZ0C00
                000024 00        DC    XL1'00'        MZ0C0F
                000025 0F        DC    XL1'0F'        MZ0C0F
                000026 00        DC    XL1'00'        MZ0CF0
                000027 F0        DC    XL1'F0'        MZ0CF0
                000028 0F        DC    XL1'0F'        MZ0F00
                000029 00        DC    XL1'00'        MZ0F00
                00002A F0        DC    XL1'F0'        MZFC00
                00002B 00        DC    XL1'00'        MZFC00
                00002C 00        DC    XL1'00'        MZ0CFF
                00002D FF        DC    XL1'FF'        MZ0CFF
                00002E 0F        DC    XL1'0F'        MZCFF0
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000C2F  F0          DC    XL1'F0'          MZOFF0
000C30  FF          DC    XL1'FF'          MZFF00
000031  00          DC    XL1'00'          MZFF00
000032  0F          DC    XL1'0F'          MZOFFF
000033  FF          DC    XL1'FF'          MZOFFF
000C34  FF          DC    XL1'FF'          MZFFF0
000035  F0          DC    XL1'F0'          MZFFF0
000036  FF          DC    XL1'FF'          MZFFFF
000037  FF          DC    XL1'FF'          MZFFFF
000038  00          DC    XL1'00'          MBITL
000C39  01          DC    XL1'01'          MBITL
00003A  00          DC    XL1'00'          MBITL
00003B  02          DC    XL1'02'          MBITL
00003C  00          DC    XL1'00'          MBITL
000C3D  04          DC    XL1'04'          MBITL
000C3E  00          DC    XL1'00'          MBITL
00003F  08          DC    XL1'08'          MBITL
000040  00          DC    XL1'00'          MBITL
000041  10          DC    XL1'10'          MBITL
000042  00          DC    XL1'00'          MBITL
000043  20          DC    XL1'20'          MBITL
000044  00          DC    XL1'00'          MBITL
000045  40          DC    XL1'40'          MBITL
000046  00          DC    XL1'00'          MBITL
000047  80          DC    XL1'80'          MBITL
000048  01          DC    XL1'01'          MBITL
000049  00          DC    XL1'00'          MBITL
00004A  02          DC    XL1'02'          MBITL
000C4B  00          DC    XL1'00'          MBITL
000C4C  04          DC    XL1'04'          MBITL
000C4D  00          DC    XL1'00'          MBITL
00004E  08          DC    XL1'08'          MBITL
000C4F  00          DC    XL1'00'          MBITL
000050  10          DC    XL1'10'          MBITL
000051  00          DC    XL1'00'          MBITL
000052  20          DC    XL1'20'          MBITL
000053  00          DC    XL1'00'          MBITL
000C54  40          DC    XL1'40'          MBITL
000055  00          DC    XL1'00'          MBITL
000056  80          DC    XL1'80'          MBITL
000C57  00          DC    XL1'00'          MBITL
000058  80          DC    XL1'80'          MBITH
000C59  00          DC    XL1'00'          MBITH
000C5A  40          DC    XL1'40'          MBITH
000C5B  00          DC    XL1'00'          MBITH
00005C  20          DC    XL1'20'          MBITH
00005D  00          DC    XL1'00'          MBITH
00005E  10          DC    XL1'10'          MBITH
00005F  00          DC    XL1'00'          MBITH
000C60  08          DC    XL1'08'          MBITH
000C61  00          DC    XL1'00'          MBITH
000C62  04          DC    XL1'04'          MBITH
000063  00          DC    XL1'00'          MBITH
000C64  02          DC    XL1'02'          MBITH
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000065  00          DC    XL1'00'                    MBITH
000066  01          DC    XL1'01'                    MBITH
000067  00          DC    XL1'00'                    MBITH
000068  00          DC    XL1'00'                    MBITH
000069  80          DC    XL1'80'                    MBITH
00006A  00          DC    XL1'00'                    MBITH
00006B  40          DC    XL1'40'                    MBITH
00006C  00          DC    XL1'00'                    MBITH
00006D  20          DC    XL1'20'                    MBITH
00006E  00          DC    XL1'00'                    MBITH
00006F  10          DC    XL1'10'                    MBITH
000070  00          DC    XL1'00'                    MBITH
000071  08          DC    XL1'08'                    MBITH
000072  00          DC    XL1'00'                    MBITH
000073  04          DC    XL1'04'                    MBITH
000074  00          DC    XL1'00'                    MBITH
000075  02          DC    XL1'02'                    MBITH
000076  00          DC    XL1'00'                    MBITH
000077  01          DC    XL1'01'                    MBITH
000000  40599999    DC    XL4'40599999'              XAH
000004  C0F9DB22    DC    XL4'C0F9DB22'              XBH
000008  42168000    DC    XL4'42168000'              XAIB1
00000C  00000000    DC    XL4'00000000'              XBIB1
000010  00000000    DC    XL4'00000000'              XCIB1
000014  40CA3D70    DC    XL4'40CA3D70'              XDIB1
000018  42244CCC    DC    XL4'42244CCC'              XAIB0
00001C  BE4EA4A8    DC    XL4'BE4EA4A8'              XBIB0
000020  3E553261    DC    XL4'3E553261'              XCIB0
000024  414147AE    DC    XL4'414147AE'              XDIB0
000028  40A8F5C2    DC    XL4'40A8F5C2'              XAVB
00002C  4011EB85    DC    XL4'4011EB85'              XBVB
000030  41100000    DC    XL4'41100000'              XAF
000034  4121C28F    DC    XL4'4121C28F'              XAF0
000038  3FCCCCCC    DC    XL4'3FCCCCCC'              XBF
00003C  3F7A0F90    DC    XL4'3F7A0F90'              XAX
000040  3F7A0F90    DC    XL4'3F7A0F90'              XAY
000044  40266666    DC    XL4'40266666'              XCX
000048  402147AE    DC    XL4'402147AE'              XCY
00001E  0001        DC    XL2'0001'                  ST1F15
```

NAME	TAG	TYPE	ADD.	NAME	TAG	TYPE	ADD.	NAME	TAG	TYPE	ADD.	NAME	TAG	TYPE	ADD.
GMT	C	I*2	N.R.	MFO	C	I*2	N.R.	RFA	C	I*2	N.R.	RFB	C	I*2	N.R.
RFC	C	I*2	N.R.	RFD	C	I*2	N.R.	RFE	C	I*2	N.R.	RFF	C	I*2	N.R.
XAF	C	R*4	N.R.	XAH	C	R*4	N.R.	XAX	C	R*4	N.R.	XAY	C	R*4	N.R.
XBF	C	R*4	N.R.	XBH	C	R*4	N.R.	XCX	C	R*4	N.R.	XCY	C	R*4	N.R.
ACAL	C	I*2	N.R.	CBLK	C	I*2	N.R.	FOGO	C	I*2	N.R.	IPCF	C	I*2	N.R.
IS40	C	I*2	N.R.	MBLK	C	I*2	N.R.	XAFO	C	R*4	N.R.	XAVB	C	R*4	N.R.
XBVB	C	R*4	N.R.	ZCAL	C	R*4	N.R.	BOUT1	C	I*2	N.R.	BOUT2	C	I*2	N.R.
BOUT3	C	I*2	N.R.	CXREG	C	I*2	N.R.	FOIND	C	I*2	N.R.	FONUM	C	I*2	N.R.
FOSEL	C	I*2	N.R.	MBITH	C	I*2	N.R.	MBITL	C	I*2	N.R.	MERGE	C	I*2	N.R.
NTIME	C	I*2	N.R.	CFLOW	C	I*2	N.R.	ONSEQ	C	I*2	N.R.	PBLKI	C	I*2	N.R.
PMSGN	C	I*2	N.R.	PPCFI	C	I*2	N.R.	PPCFN	C	I*2	N.R.	PPCFV	C	I*2	N.R.
QBLKI	C	I*2	N.R.	QPCFI	C	I*2	N.R.	QPCFN	C	I*2	N.R.	QPCFV	C	I*2	N.R.
SINT1	C	I*2	N.R.	SINT2	C	I*2	N.R.	SINT3	C	I*2	N.R.	STATE	C	I*2	N.R.
STFLG	C	I*2	N.R.	TIMEX	C	I*2	N.R.	TLMED	C	I*2	N.R.	XAIB0	C	R*4	N.R.
XAIB1	C	R*4	N.R.	XBIB0	C	R*4	N.R.	XBIB1	C	R*4	N.R.	XCIB0	C	R*4	N.R.
XCIB1	C	R*4	N.R.	XDIB0	C	R*4	N.R.	XDIB1	C	R*4	N.R.	ACTHLD	C	I*2	N.R.
ACTOFF	C	I*2	N.R.	ACTRST	C	I*2	N.R.	CM1F00	C	I*2	N.R.	CM1F01	C	I*2	N.R.
CM1F02	C	I*2	N.R.	CM1F03	C	I*2	N.R.	CM1F04	C	I*2	N.R.	CM1F05	C	I*2	N.R.
CM1F06	C	I*2	N.R.	CM1F07	C	I*2	N.R.	CM1F08	C	I*2	N.R.	CM1F09	C	I*2	N.R.
CM1F10	C	I*2	N.R.	CM1F11	C	I*2	N.R.	CM1F12	C	I*2	N.R.	CM1F13	C	I*2	N.R.
CM1F14	C	I*2	N.R.	CM1F15	C	I*2	N.R.	CM2F00	C	I*2	N.R.	CM2F01	C	I*2	N.R.
CM2F02	C	I*2	N.R.	CM2F03	C	I*2	N.R.	CM2F04	C	I*2	N.R.	CM2F05	C	I*2	N.R.
CM2F06	C	I*2	N.R.	CM2F07	C	I*2	N.R.	CM2F08	C	I*2	N.R.	CM2F09	C	I*2	N.R.
CM2F10	C	I*2	N.R.	CM2F11	C	I*2	N.R.	CM2F12	C	I*2	N.R.	CM2F13	C	I*2	N.R.
CM2F14	C	I*2	N.R.	CM2F15	C	I*2	N.R.	FOSTRT	C	I*2	N.R.	GNCBFR	C	I*2	N.R.
HEXIND	C	I*2	N.R.	MENIND	C	I*2	N.R.	MESCOM	C	I*2	N.R.	MESFLG	C	I*2	N.R.
MSGBLA	C	I*2	N.R.	MSGBL9	C	I*2	N.R.	MZFFFF	C	I*2	N.R.	MZFFF0	C	I*2	N.R.
MZFF00	C	I*2	N.R.	MZF000	C	I*2	N.R.	MZOFFF	C	I*2	N.R.	MZOFF0	C	I*2	N.R.
MZOF00	C	I*2	N.R.	MZOOFF	C	I*2	N.R.	MZOOF0	C	I*2	N.R.	MZOOOF	C	I*2	N.R.
MZOOOO	C	I*2	N.R.	OFFSEQ	C	I*2	N.R.	PCFBFR	C	I*2	N.R.	ROUTIX	C	I*2	N.R.
SMOSEL	C	I*2	N.R.	ST1F00	C	I*2	N.R.	ST1F01	C	I*2	N.R.	ST1F02	C	I*2	N.R.
ST1F03	C	I*2	N.R.	ST1F04	C	I*2	N.R.	ST1F05	C	I*2	N.R.	ST1F06	C	I*2	N.R.
ST1F07	C	I*2	N.R.	ST1F08	C	I*2	N.R.	ST1F09	C	I*2	N.R.	ST1F10	C	I*2	N.R.
ST1F11	C	I*2	N.R.	ST1F12	C	I*2	N.R.	ST1F13	C	I*2	N.R.	ST1F14	C	I*2	N.R.
ST1F15	C	I*2	N.R.	ST2F00	C	I*2	N.R.	ST2F01	C	I*2	N.R.	ST2F02	C	I*2	N.R.
ST2F03	C	I*2	N.R.	ST2F04	C	I*2	N.R.	ST2F05	C	I*2	N.R.	ST2F06	C	I*2	N.R.
ST2F07	C	I*2	N.R.	ST2F08	C	I*2	N.R.	ST2F09	C	I*2	N.R.	ST2F10	C	I*2	N.R.
ST2F11	C	I*2	N.R.	ST2F12	C	I*2	N.R.	ST2F13	C	I*2	N.R.	ST2F14	C	I*2	N.R.
ST2F15	C	I*2	N.R.												

***** COMMON INFORMATION *****

NAME OF COMMON BLOCK *DEPCOM* SIZE OF BLOCK 000078 HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
STATE	I*2	N.R.	ISMO	I*2	N.R.	IPCF	I*2	N.R.	FOGO	I*2	N.R.
ACTHLD	I*2	N.R.	ACTOFF	I*2	N.R.	ACTRST	I*2	N.R.	RFA	I*2	N.R.
RFB	I*2	N.R.	RFC	I*2	N.R.	RFD	I*2	N.R.	RFE	I*2	N.R.
RFF	I*2	N.R.	MBLK	I*2	N.R.	MFO	I*2	N.R.	TIMEX	I*2	N.R.
MERGE	I*2	N.R.	MZOOOO	I*2	N.R.	MZOOOF	I*2	N.R.	MZOOF0	I*2	N.R.
MZOF00	I*2	N.R.	MZF000	I*2	N.R.	MZOOFF	I*2	N.R.	MZOFF0	I*2	N.R.

MZFF00	I*2	N.R.	MZOFFF	I*2	N.R.	MZFFF0	I*2	N.R.	MZFFFF	I*2	N.R.
MBITL	I*2	N.R.	MBITH	I*2	N.R.						

NAME OF COMMON BLOCK *COEFF* SIZE OF BLOCK 00004C HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
XAH	R*4	N.R.	XCH	R*4	N.R.	XAIB1	R*4	N.R.	XBIB1	R*4	N.R.
XCIB1	R*4	N.R.	XDIB1	R*4	N.R.	XAIB0	R*4	N.R.	XDIB0	R*4	N.R.
XCIB0	R*4	N.R.	XDIB0	R*4	N.R.	XAVB	R*4	N.R.	XBVB	R*4	N.R.
XAF	R*4	N.R.	XAFO	R*4	N.R.	XBF	R*4	N.R.	XAX	R*4	N.R.
XAY	R*4	N.R.	XCX	R*4	N.R.	XCY	R*4	N.R.			

NAME OF COMMON BLOCK *FOFLG* SIZE OF BLOCK 00005C HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
FOSEL	I*2	N.R.	SMOSEL	I*2	N.R.	STFLG	I*2	N.R.	PMSGN	I*2	N.R.
PBLKI	I*2	N.R.	PPCFI	I*2	N.R.	PPCFV	I*2	N.R.	PPCFN	I*2	N.R.
QBLKI	I*2	N.R.	QPCFI	I*2	N.R.	QPCFV	I*2	N.R.	QPCFN	I*2	N.R.
FONUM	I*2	N.R.	GMT	I*2	N.R.	MENIND	I*2	N.R.	FOSTRT	I*2	N.R.
ONSEQ	I*2	N.R.	OFFSEQ	I*2	N.R.	OFLOW	I*2	N.R.	NTIME	I*2	N.R.
ROUTIX	I*2	N.R.									

NAME OF COMMON BLOCK *PCFBUF* SIZE OF BLOCK 000134 HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
PCFBFR	I*2	N.R.	ZCAL	R*4	N.R.	ACAL	I*2	N.R.			

NAME OF COMMON BLOCK *FOCSCT* SIZE OF BLOCK 00012C HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
FOIND	I*2	N.R.									

NAME OF COMMON BLOCK *HXCSCT* SIZE OF BLOCK 00012C HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
HEXIND	I*2	N.R.									

NAME OF COMMON BLOCK *OUTCOM* SIZE OF BLOCK 0000C0 HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
SINT1	I*2	N.R.	SINT2	I*2	N.R.	SINT3	I*2	N.R.	BOUT1	I*2	N.R.
BOUT2	I*2	N.R.	BOUT3	I*2	N.R.						

NAME OF COMMON BLOCK *MSGCOM* SIZE OF BLOCK 0000C2 HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
MESFLG	I*2	N.R.	MESCOM	I*2	N.R.	MSGBL9	I*2	N.R.	MSGBLA	I*2	N.R.

NAME OF COMMON BLOCK *GNCCOM* SIZE OF BLOCK 000038 HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
GNCOFR	I*2	N.R.									

NAME OF COMMON BLOCK * TLBUF* SIZE OF BLOCK 002EEE HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
ILHED	I*2	N.R.	CXREG	I*2	N.R.	CBLK	I*2	N.R.			

NAME OF COMMON BLOCK *STATW1* SIZE OF BLOCK 000020 HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
ST1F00	I*2	N.R.	ST1F01	I*2	N.R.	ST1F02	I*2	N.R.	ST1F03	I*2	N.R.
ST1F04	I*2	N.R.	ST1F05	I*2	N.R.	ST1F06	I*2	N.R.	ST1F07	I*2	N.R.
ST1F08	I*2	N.R.	ST1F09	I*2	N.R.	ST1F10	I*2	N.R.	ST1F11	I*2	N.R.
ST1F12	I*2	N.R.	ST1F13	I*2	N.R.	ST1F14	I*2	N.R.	ST1F15	I*2	N.R.

NAME OF COMMON BLOCK *STATW2* SIZE OF BLOCK 000020 HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
ST2F00	I*2	N.R.	ST2F01	I*2	N.R.	ST2F02	I*2	N.R.	ST2F03	I*2	N.R.
ST2F04	I*2	N.R.	ST2F05	I*2	N.R.	ST2F06	I*2	N.R.	ST2F07	I*2	N.R.
ST2F08	I*2	N.R.	ST2F09	I*2	N.R.	ST2F10	I*2	N.R.	ST2F11	I*2	N.R.
ST2F12	I*2	N.R.	ST2F13	I*2	N.R.	ST2F14	I*2	N.R.	ST2F15	I*2	N.R.

NAME OF COMMON BLOCK *UCMDW1* SIZE OF BLOCK 000020 HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
CM1F00	I*2	N.R.	CM1F01	I*2	N.R.	CM1F02	I*2	N.R.	CM1F03	I*2	N.R.
CM1F04	I*2	N.R.	CM1F05	I*2	N.R.	CM1F06	I*2	N.R.	CM1F07	I*2	N.R.
CM1F08	I*2	N.R.	CM1F09	I*2	N.R.	CM1F10	I*2	N.R.	CM1F11	I*2	N.R.
CM1F12	I*2	N.R.	CM1F13	I*2	N.R.	CM1F14	I*2	N.R.	CM1F15	I*2	N.R.

NAME OF COMMON BLOCK *UCMDW2* SIZE OF BLOCK 000020 HEXADECIMAL BYTES

VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.	VAR. NAME	TYPE	REL. ADDR.
CM2F00	I*2	N.R.	CM2F01	I*2	N.R.	CM2F02	I*2	N.R.	CM2F03	I*2	N.R.
CM2F04	I*2	N.R.	CM2F05	I*2	N.R.	CM2F06	I*2	N.R.	CM2F07	I*2	N.R.
CM2F08	I*2	N.R.	CM2F09	I*2	N.R.	CM2F10	I*2	N.R.	CM2F11	I*2	N.R.
CM2F12	I*2	N.R.	CM2F13	I*2	N.R.	CM2F14	I*2	N.R.	CM2F15	I*2	N.R.

OPTIONS IN EFFECT NAME= MAIN,OPT=02,LINECNT=56,SIZE=0000K,

OPTIONS IN EFFECT SOURCE,EBCDIC,LIST,NODECK,LOAD,MAP,NOEDIT,ID,NOXREF

STATISTICS SOURCE STATEMENTS = 24 ,PROGRAM SIZE = 8

```
*STATISTICS*  NO  DIAGNOSTICS GENERATED
****** END OF COMPILATION ******                    103K BYTES OF CORE NOT USED
*STATISTICS*  NO  DIAGNOSTICS THIS STEP
```

```
F64-LEVEL LINKAGE EDITOR OPTIONS SPECIFIED MAP,LIST,DCBS,SIZE=(128K,20K),LET,XREF
          VARIABLE OPTIONS USED -  SIZE=(131072,20480)
IEW0552  FOCSCT
IEW0552  FOCOM
IEW0552  CMDCOM
IEW0552  FOCOM
IEW0552  FEXCOM
IEW0552  FOCSCT
IEW0552  FOCSCT
IEW0552  FEXCOM
IEW0000              ENTRY DRIVER
IEW0000              NAME  PRINTER
IEW0132  SEX
IEW0132  BMLNO
****PRINTER   NOW ADDED TO DATA SET
AUTHORIZATION CODE IS        0.
```

CROSS REFERENCE TABLE

CONTROL SECTION NAME	ORIGIN	LENGTH	ENTRY NAME	LOCATION	NAME	LOCATION	NAME	LOCATION	NAME	LOCATION
DRIVER	0C	B0E								
			HITIHZ	8	CODESTRT	4B0	WORKLIST	64C	TECFO	65C
			TPATCH	660	TMANUAL	664	TECPCF	668	TECMAG	66C
			TECSMO	674	TECBML	67C	TSINGLE	680	XMAN	684
			MSG	68C	IUINT	6BA	ADUMBF	A94		
STASK	B1C	148								
SINGLE	C58	FA								
PATCH	D58	D4								
RTDRV	E3C	EC								
RTCMD	F2C	1A8								
			PUT	10BE						
MSGIN	10C8	5E								
MSOUT1	1128	201								
MSGHAN	1330	194								
CGMT	14C8	E4								
			TIME	15A4						
SGMT	15BC	54								
ECMAG	16C8	6E								
GNC	1678	FC								
ECBML	1778	2AC								
			ECBSUB	1910						
IUGMT	1A28	15C								
SETHTR	1B88	FA								
C22DWN	1C88	1C6								
			C22RST	1CF0						
IUCMD	1E5C	12A								
			IUCREG	1EFA	IUCAND	1F1A	IUCSET	1F3A		
SPM	1F8C	46								
ECSMO	1FC8	1C4								
AEPIOF	219C	66								

NAME	ORIGIN	LENGTH
MANUAL	21F8	16C
FXSPM	2368	1ED
DEPDMP	255E	D2
UHEADR	263C	E8
PHEADR	2718	EE
FLT16	28CE	8C
INT16	2858	328
SIN	28CC	124
ARCTAN	2CE8	9C
ROOT	2D8E	E8
GARBAG	2E7C	2
FOMCOM	2E7E	1E4
FOCOM	306C	550
PCFCOM	39B0	402
CMDCOM	3DB8	2D4
HEXCOM	409C	2528
FOCSCT	65B8	64
HXCSCT	6A2C	1B4
ECFD	6BD8	336
SEPACM	6F1C	F5C
PASSX	7E7C	1544
DDIF	93B8	4F6
DOCALC	98BC	BC8
ECPCF	A478	24C
DEPCOM	A6C8	78
COEFF	A74C	4C
STATW1	A79C	20
OUTCOM	A7BC	C0
FOFLG	A87C	5C
TLBUF	A8DC	2EEE
MSGCOM	D7CC	C2
STATW2	D888	20
PCFBUF	D8A8	134
GNCCOM	D9EC	38
UCMDW2	DA18	20
UCMDW1	DA38	20

NAME	LOCATION	NAME	LOCATION	NAME	LOCATION	NAME	LOCATION
AEPION	2180						
ECMAN	224E						
BOOL16	28E2	IAND	28E2	IOR	28F6	IEOR	290A
ISHIF	291E	GETCMD	2954	REV8	29FC	EXTRCT	2A28
ZAP	2A52	MOVE	2A72	INHIBT	2A9A	ENABLE	2AA0
DEPRTC	2AA6	PASSO	2AB0	ABS	2B18	MOUSEQ	2B24
COS	2BDC	TAN	2BFC				
PITS	2E70	SWMASK	2E70				
FOMTAB	2E78						
FOTAB	3060						
SPCTAB	3980	PCFTAB	39C9				
COMTAB	3DB8						
HEXTAB	4090						

LOCATION	REFERS TO SYMBOL	IN CONTROL SECTION	LOCATION	REFERS TO SYMBOL	IN CONTROL SECTION
690	EXSPM	EXSPM	7A6	PASSO	INTI6
69C	SPM	SPM	660	PATCH	PATCH
684	ECMAN	MANUAL	658	STASK	STASK
67C	ECBML	ECBML	694	DEPOMP	DEPOMP
65C	ECFO	ECFO	688	SEPACM	SEPACM
664	MANUAL	MANUAL	668	ECPCF	ECPCF
68C	ECMAG	ECMAG	670	GNC	GNC
678	SWMASK	GARBAG	680	SINGLE	SINGLE
79E	FOFLG	FCFLG	798	IUCREG	IUCMD
79C	IUCAND	IUCMD	79A	IUCSET	IUCMD
68C	MSGHAN	MSGHAN	7A0	PASSX	PASSX
7A2	FOCSCT	FCCSCT	7A4	FUCOM	FOCOM
674	ECSMO	ECSMO	804	DEPCOM	DEPCOM
9A2	DEPCOM	DEPCOM	9A4	OUTCOM	OUTCOM
8D2	TLBUF	TLBUF	980	ZAP	INTI6
986	RTCMD	RTCMD	80C	MSOUT1	MSOUTI
982	SEX	$UNRESOLVED	C08	TECPCF	URIVER
C0C	TECFO	DRIVER	C10	TECMAG	DRIVER
C1C	TPATCH	DRIVER	C14	TSINGLE	DRIVER
C1B	TMANUAL	DRIVER	C06	MSGIN	MSGIN
C04	MSGCOM	MSGCOM	C56	SPM	SPM
D49	MSGCOM	MSGCOM	D50	MSOUTI	MSOUTI
E24	MSGCOM	MSGCOM	E26	MSOUT1	MSOUTI
F16	TLBUF	TLBUF	F18	FOFLG	FOFLG
F14	IUCREG	IUCMD	F12	RTCMD	RTCMD
F0E	MSG	DRIVER	1084	TLBUF	TLBUF
1088	IUCMD	IUCMD	108C	FOFLG	FOFLG
10C0	IUCREG	IUCMD	10C4	AEPION	AEPIOF
10C6	AEPIOF	AEPIOF	1124	MSGCOM	MSGCOM
1322	SPM	SPM	14AC	OUTCOM	OUTCOM
1480	FOFLG	FCFLG	148C	STATW1	STATW1
148E	STATW2	STATW2	148A	PHEADR	PHEADR
14C2	MSOUT1	MSCUTI	1488	TLBUF	TLBUF
15AA	IUGMT	IUGMT	1670	MSGCOM	MSGCOM
173E	PCFBUF	PCFBUF	173C	SWMASK	GARBAG
1742	GNCCOM	GNCCOM	1756	SPM	SPM
198A	REV8	INTI6	1986	PCFBUF	PCFBUF
1984	TLBUF	TLBUF	1982	OUTCOM	OUTCOM
1988	IUCREG	IUCMD	180C	SGMT	SGMT
180E	FOFLG	FCFLG	1C80	IUCAND	IUCMD
1C7E	IUCSET	IUCMD	1C78	PCFBUF	PCFBUF
1C7A	DOCALC	DCCALC	1C60	REV8	INTI6
1C62	IUCMD	IUCMD	100A	IUCAND	IUCMD
100C	IUCSET	IUCMD	217A	PCFBUF	PCFBUF
217C	FOFLG	FCFLG	217E	PASSX	PASSX
2180	RTORV	RTORV	2182	DEPCOM	DEPCOM
21E4	TECSMO	DRIVER	2166	OUTCOM	OUTCOM
21EC	PCFCOM	PCFCOM	2356	TCBUF	TCBUF
235A	FOFLG	FOFLG	2358	MSGCOM	MSGCOM
2350	PUT	RTCMD	234C	XMAN	DRIVER
234E	RTCMD	RTCMD	2354	IUCREG	IUCMD
2352	OUTCOM	OUTCOM	2544	PCFBUF	PCFBUF

LOCATION	REFERS TO SYMBOL	IN CONTROL SECTION	LOCATION	REFERS TO SYMBOL	IN CONTROL SECTION
2542	SPM	SPM	2540	DEPCOM	DEPCOM
24F8	TLBUF	TLBUF	24F6	OUTCOM	OUTCOM
2546	FOFLG	FCFLG	2710	FOFLG	FOFLG
2714	UCMDW1	UCPDW1	2712	UCMDW2	UCMDW2
2716	MSGCOM	MSGCOM	2804	FOFLG	FOFLG
2800	STATW1	STATW1	2802	STATW2	STATW2
2B16	PCFBUF	PCFBUF	2B14	PCFCOM	PCFCOM
6CA8	DEPCOM	DEPCOM	6CAC	FOCSCT	FOCSCT
6CB0	FOMCOM	FCMCOM	6CB4	FOCOM	FOCOM
6CB8	OUTCOM	OUTCOM	6CBC	FOFLG	FOFLG
6CC0	MSGCOM	MSGCOM	6CC4	PASSO	INT16
6CC8	EXTRCT	INT16	6CCC	OHEADR	OHEADR
6C50	FOFLG	FOFLG	6C54	FOFLG	FOFLG
6FD0	FOFLG	FCFLG	6F04	DEPCOM	DEPCOM
6FDC	DEPCOM	DEPCOM	6FEC	DEPCOM	DEPCOM
7000	FOFLG	FCFLG	700C	FOFLG	FOFLG
7018	FOFLG	FCFLG	7120	DEPCOM	DEPCOM
7124	FOMCOM	FCMCOM	7128	PCFBUF	PCFBUF
712C	OUTCOM	CUTCOM	7130	FOFLG	FOFLG
7134	MSGCOM	MSGCOM	7138	TLBUF	TLBUF
713C	TLBUF	TLBUF	7140	STATW1	STATW1
7144	STATW1	STATW1	7148	STATW2	STATW2
714C	STATW2	STATW2	7150	UCMDW1	UCMDW1
7154	UCMDW1	UCPDW1	7158	UCMDW2	UCMDW2
715C	UCMDW2	UCPDW2	7160	CGMT	CGMT
7164	IAND	INT16	7168	SGMT	SGMT
716C	IUGMT	IUGMT	7170	PASSX	PASSX
7174	RTDRV	RTDRV	7178	C22DWN	C22DWN
717C	C22RST	C22DWN	7180	DEPRTC	INT16
7184	DOCALC	DOCALC	7188	ENABLE	INT16
718C	EXTRCT	INT16	7190	INHIBT	INT16
7194	MODSEQ	INT16	7F98	DEPCOM	DEPCOM
7FBC	FOFLG	FCFLG	8018	DEPCOM	DEPCOM
8220	DEPCOM	DEPCOM	8224	FOFLG	FOFLG
9228	MSGCOM	MSGCOM	822C	CMDCOM	CMDCOM
8230	FOCOM	FCCOM	8234	HEXCOM	HEXCOM
8238	FOCSCT	FCCSCT	823C	HXCSCT	HXCSCT
8240	PCFBUF	PCFBUF	8244	OUTCOM	OUTCOM
8248	TLBUF	TLBUF	824C	TLBUF	TLBUF
8250	COEFF	CCEFF	8254	IOR	INT16
8258	ZAP	INT16	825C	DOIF	DOIF
8260	IAND	INT16	8264	IEOR	INT16
8268	MOVE	INT16	826C	REV8	INT16
8270	FLT16	FLT16	8274	INT16	INT16
8278	ISHIF	INT16	827C	DOCALC	DOCALC
8280	EXTRCT	INT16	8284	GETCMD	INT16
8288	MSOUT1	MSCUT1	828C	PHEADR	PHEADR
9550	DEPCOM	DEPCOM	9554	FOFLG	FOFLG
9558	PCFBUF	PCFBUF	955C	FOCSCT	FOCSCT
9560	HXCSCT	HXCSCT	9564	IAND	INT16
9568	IEOR	INT16	956C	ISHIF	INT16
9B58	DEPCOM	DEPCOM	985C	COEFF	COEFF

LOCATION	REFERS TO SYMBOL	IN CONTROL SECTION	LOCATION	REFERS TO SYMBOL	IN CONTROL SECTION
9860	MSGCOM	MSGCOM	9864	TLBUF	TLBUF
9868	TLBUF	TLBUF	986C	HXCSCT	HXCSCT
9870	PCFBUF	PCFBUF	9874	FOFLG	FOFLG
9878	HEXCOM	HEXCOM	987C	GNCCOM	GNCCOM
9880	MOVE	INT16	9884	ROOT	ROOT
9888	FLT16	FLT16	988C	INT16	INT16
9890	SIN	SIN	9894	COS	SIN
9898	TAN	SIN	989C	ARCTAN	ARCTAN
A528	DEPCOM	DEPCOM	A52C	FOFLG	FOFLG
A530	PCFBUF	PCFBUF	A534	OUTCOM	OUTCOM
A538	MSGCOM	MSGCOM	A53C	STATW1	STATW1
A540	STATW2	STATW2	A544	SETHTR	SETHTR
A548	UHEADR	UHEADR	A4EC	FOFLG	FOFLG

ENTRY ADDRESS 00

TOTAL LENGTH DA58

DIAGNOSTIC MESSAGE DIRECTORY

IEW0132 ERROR - SYMBOL PRINTED IS AN UNRESOLVED EXTERNAL REFERENCE.
IEW0552 ERROR - COMMON PRINTED EXCEEDED SIZE OF CONTROL SECTION WITH IDENTICAL NAME.

PROCESSING ENDED AT EOD

HASP-4.0*PRINTER1.....END JOB 157.....2.32.21 PM 14 OCT 81...WED...BIN A09 ...N0003340...1HEF3642055OHINTZE.....HASP-4.0*PRINTER1