

FILE COPY

A SYSTEMS GUIDE TO EDITOR

by

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INTRODUCTION

This document is intended to describe the general construction of EDITOR and is intended for people who may wish to maintain or add to the system. It does not provide a detailed description of any program in EDITOR. Section II shows for each program in EDITOR the source files needed to construct that program. Section III shows the globals or internal variables from each source file which may be used by other source files. Section IV relates the commands in EDITOR to the programs. Section V shows the source files for the ILLIAC-IV programs.

EDITOR SOURCE FILES

EDITOR source files are currently in one of four languages. These are FORTRAN, RATFOR, MACRO-10, and SAIL. The FORTRAN files have an extension of F4 if the F40 compiler is used and FOR if the FORTRA compiler is used. RATFOR files have an extension of R or RAT4. RATFOR is not a compiler but a translator to FORTRAN suitable for the F40 compiler. MACRO-10 source files have a suffix of MAC. SAIL source files have a suffix of SAI. The compilers used are the standard ones at BBNB. The RATFOR translator used is (SRS)RATFOR at BBNB. For further information about the compilers and the RATFOR translator please consult the appropriate documentation.

The current depository of EDITOR source files at BBNB is USDA-SOURCE, a USDA directory. The file names are as shown below but with the version numbers being the Julian date, e.g., 79079 for March 20, 1979. Some older files which have not been changed recently may have different kinds of version numbers. An additional depository of EDITOR source files is the (EDITOR) directory at I4-TENEX. This directory is maintained by IAC with updated source files being sent over by USDA-ESCS personnel as the programs are changed.

The following is a list of current EDITOR SAVE files and the source files used to construct them. The order of files shown is the order in which the files should be loaded but also see Section III for the loading sequences required. The author is the author of the file or, in cases where the original author is no longer associated with EDITOR work, the person currently

EDITOR SOURCE FILES

responsible for maintaining the file or the person most likely to be able to answer questions about the file. Special comments, as needed, are shown in the last column.

1

EDITOR SOURCE FILES

 SAVE FILE AUTHOR COMMENTS
 SOURCE FILES

E/BT04. SAV
 BT04. MAC OZGA

E/ACCEST. SAV
 ACCEST. SAI OZGA
 COMS. SAI OZGA
 STATYR. MAC OZGA
 RCROP. MAC OZGA

E/ADJ. SAV
 ADJF. F4 OZGA
 DOADJ. MAC OZGA
 FLIST. MAC OZGA

E/AGG. SAV
 AGG. MAC OZGA

E/AGGADD. SAV
 AGGADD. SAI OZGA
 COMS. SAI OZGA

E/AGGINX. SAV
 AGGINX. SAI OZGA
 COMS. SAI OZGA

E/AWIN. SAV
 AWIN. SAI OZGA
 COMS. SAI OZGA

E/BADPIX. SAV
 BADPIX. SAI OZGA
 COMS. SAI OZGA

BBLOCK. SAV
 BBLOCK. SAI OZGA

E/BULK. SAV
 WINTRN. R OZGA
 OBTRAN. F4 OZGA
 RDWR. MAC OZGA
 FORCOM. MAC OZGA

E/BUTTON. SAV
 BUTTON. SAI OZGA
 COMS. SAI OZGA

EDITOR SOURCE FILES

 SAVE FILE AUTHOR COMMENTS
 SOURCE FILES

-
 E/CALC.SAV
 CALC.SAI OZGA
 COMS.SAI OZGA

E/CATED.SAV
 CATED.MAC OZGA
 USECAT.MAC OZGA
 DOCOM.MAC OZGA
 DIRS.MAC OZGA
 STATYR.MAC OZGA

E/CATMSK.SAV
 CATMSK.R OZGA
 STRING.MAC OZGA

D/CHECKP.SAV
 CHECKP.SAI OZGA

E/CLAS4.SAV
 ECLAS4.F4 OZGA
 XREAD.MAC OZGA
 RSTART.MAC OZGA
 LIMITS.MAC OZGA

E/CLASX.SAV
 ECLASX.F4 OZGA
 RSTART.MAC OZGA
 LIMITS.MAC OZGA
 XREAD.MAC OZGA

E/CLUBUS.SAV
 CLUBUS.SAI OZGA
 COMS.SAI OZGA

E/CLUS4.SAV
 ECLUS4.F4 OZGA
 LIMITS.MAC OZGA
 XREAD.MAC OZGA

E/CLUSX.SAV
 ECLUSX.F4 OZGA
 LIMITS.MAC OZGA
 XREAD.MAC OZGA

EDITOR SOURCE FILES

 SAVE FILE AUTHOR COMMENTS
 SOURCE FILES

-

D/CMASK.SAV		
CMASK.R	OZGA	
CTYED.COMMON	OZGA	MUST BE AVAILABLE WHEN APPLYING RATFOR TO CMASK.R
CTYED.READ	OZGA	MUST BE AVAILABLE WHEN APPLYING RATFOR TO CMASK.R
PROJ.F4	OZGA	
NEWCAL.R	OZGA	
RDWR.MAC	OZGA	
FDIRS.MAC	OZGA	
FSTR.R	OZGA	
STR.MAC	OZGA	
E/CMASKP.SAV		
CMASKP.SAI	OZGA	
COMS.SAI	OZGA	
E/COMTAB.SAV		
COMTAB.SAI	OZGA	
COMS.SAI	OZGA	
E/CONMSK.SAV		
COMS.SAI	OZGA	
CONMSK.SAI	OZGA	
E/CORREC.SAV		
CORREC.F4	OZGA	
CORREM.MAC	OZGA	
RCROP.MAC	OZGA	
E/COUNT.SAV		
COUNT.SAI	OZGA	
E/CP2WIN.SAV		
CPW2IN.R	OZGA	
OBTRAN.F4	OZGA	
RDWR.MAC	OZGA	
LOWUP.F4	OZGA	
STR.MAC	OZGA	

EDITOR SOURCE FILES

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*****
SAVE FILE          AUTHOR          COMMENTS
SOURCE FILES
*****
  
```

```

E/CPEDIT.SAV
  CPEDIT.R          LUEBBE
  CPEDIT.COMMON     LUEBBE          MUST BE AVAILABLE WHEN APPLYING
                                     RATFOR TO CPEDIT

  NIMALI.R          OZGA
  OBTRAN.F4         OZGA
  TRAN.R            OZGA
  RBMAP.MAC         OZGA
  LSQ.REL           OZGA          SOURCE LOST
  SIMEQ.F4          OZGA
  GETDIG.R          OZGA
  RDWR.MAC          OZGA
  GETXY.MAC         OZGA
  CONADJ.F4         LUEBBE
  CERTS.F4          LUEBBE
  PCTCOV.F4         LUEBBE
  DLSTSQ.F4         LUEBBE
  A2G.F4            LUEBBE
  REVERT.F4         LUEBBE
  U2G.F4            LUEBBE
  G2U.F4            LUEBBE
  ERRORS.F4         LUEBBE
  PITROL.F4         LUEBBE
  ORB.R             LUEBBE
  TID.MAC           LUEBBE
  ZETA.MAC          OZGA
  RDWRSG.R          OZGA
  STATYR.MAC        OZGA
  FDIRS.MAC         OZGA
  FSTR.R            OZGA
  STR.MAC           OZGA
  
```


EDITOR SOURCE FILES

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*****
SAVE FILE          AUTHOR          COMMENTS
SOURCE FILES
*****
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```
CTYED.SAV
  CTYED.R          OZGA
  CTYED.COMMON    OZGA          MUST BE AVAILABLE WHEN APPLYING
                               RATFOR TO CTYED.R
  CTYED.READ      OZGA          MUST BE AVAILABLE WHEN APPLYING
                               RATFOR TO CTYED.R

  CALCTY.R        OZGA
  DIGCTY.R        OZGA
  GETXY.MAC       OZGA
  GETDIG.R        OZGA
  BACKUP.MAC      OZGA
  DGTIME.MAC      OZGA
  RBMAP.MAC       OZGA
  LSG.REL         OZGA          SOURCE LOST
  SIMEG.F4        OZGA
  FSTR.R          OZGA
  STR.MAC         OZGA

E/DETECT.SAV
  DETECT.SAI      OZGA
  COMS.SAI        OZGA

E/DISAGG.SAV
                               IGNORE MISSING GLOBALS TCROPS,
                               TNCROP
  DISAGG.F4       OZGA
  CORREM.MAC      OZGA
  FLIST.MAC       OZGA

E/DISPSL.SAV
  DISPSL.SAI      OZGA
  MAPDEX.F4       OZGA
  COMS.SAI        OZGA

E/DIST.SAV
  DIST.F4         SIGMAN
  DCDFD.F4        SIGMAN
  DCDFE.F4        SIGMAN
  DCDFX.F4        SIGMAN
  DERF.F4         SIGMAN
  MATCH.F4        SIGMAN
  STRING.MAC      OZGA
```

EDITOR SOURCE FILES

 SAVE FILE AUTHOR COMMENTS
 SOURCE FILES

-

E/DRIVER.SAV		LOAD USING LINK10
DRIVER.FOR	OZGA	USE FORTRA TO COMPILE
CONVER.MAC	OZGA	
INITAL.FOR	OZGA	USE FORTRA TO COMPILE
DSYM.MAC	OZGA	
MODES.MAC	OZGA	
ISHFT.MAC	OZGA	
E/EDITCR.SAV		
EDITCR.F4	OZGA	
LSQ.REL	OZGA	SOURCE LOST
XREAD.MAC	OZGA	
SIMEQ.F4	OZGA	
RDWR.MAC	OZGA	
STRING.MAC	OZGA	
EDITOR.SAV		MAIN PROGRAM OF EDITOR
EDITOR.MAC	OZGA	
E/EDUNIT.SAV		
EDUNIT.SAI	OZGA	
COMS.SAI	OZGA	
STATYR.MAC	OZGA	
EFILL.SAV		
EFILL.SAI	OZGA	
E/ELLIPSE.SAV		
ELLIPS.F4	SIGMAN	
ELPLOT.F4	SIGMAN	
ELLCON.F4	SIGMAN	
LOWUP.F4	OZGA	
ZETA.MAC	OZGA	
CONV32.MAC	OZGA	
MATCH.F4	SIGMAN	
STRING.MAC	OZGA	
E/ENTROP.SAV		
ENTROP.SAI	OZGA	
COMS.SAI	OZGA	
CONV32.MAC	OZGA	
SYS: SSP.REL	SYSTEM	IBM SCIENTIFIC SUBROUTINE PACKAGE

EDITOR SOURCE FILES

SAVE FILE AUTHOR COMMENTS
SOURCE FILES

E/ESTIM. SAV

ESTIMM. MAC OZGA
ESTIMF. F4 OZGA
TPOOL. F4 OZGA
MREG. F4 OZGA
MASK. MAC OZGA
GMASKH. MAC OZGA
DIRS. MAC OZGA
STATYR. MAC OZGA
FRAMES. MAC OZGA
INTERP. MAC OZGA
USECAT. MAC OZGA
USEUNT. MAC OZGA
EMIT. MAC OZGA
ACROP. MAC OZGA
RCROP. MAC OZGA
DDCOM. MAC OZGA
FORHLP. MAC OZGA

E/EUCLID. SAV

EUCLID. F4 OZGA
XREAD. MAC OZGA

E/EXTENT. SAV

EXTENT. R SIGMAN
GETREG. R OZGA
STR. MAC OZGA
RDWR. MAC OZGA
RDWRSG. R OZGA
FSTR. R OZGA
LOWUP. F4 OZGA
PROJ. F4 OZGA
NEWCAL. R OZGA
FDIRS. MAC OZGA
STATYR. MAC OZGA

COMPILE WITH F40 TO GETREG.FAK

E/FAKECP. SAV

FAKECP. R OZGA
UTM. R OZGA
RDWRFL. MAC OZGA

FBLOCK. SAV

FBLOCK. SAI OZGA
COMS. SAI OZGA

EDITOR SOURCE FILES

 SAVE FILE AUTHOR COMMENTS
 SOURCE FILES

-
 E/FCLUS.SAV
 FCLUS.SAI OZGA
 COMS.SAI OZGA
 CONV32.MAC OZGA

E/FILCMP.SAV
 FILCMP.MAC OZGA

FIXC.SAV
 FIXC.SAI OZGA

FLDMEAN.SAV
 FMEAN.MAC LUEBBE

E/GBLOCK.SAV
 GBLOCK.SAI OZGA
 COMS.SAI OZGA

D/GETWIN.SAV
 GETWIN.R OZGA
 GETCAL.R OZGA
 TRAN.R OZGA
 RBMAP.MAC OZGA
 LSG.REL OZGA SOURCE LOST
 SIMEQ.F4 OZGA
 GETDIG.R OZGA
 GETXY.MAC OZGA
 RDWR.MAC OZGA

E/GRADNT.SAV
 GRADNT.SAI OZGA
 COMS.SAI OZGA

E/GTEDIT.SAV
 GTEDIT.SAI OZGA
 COMS.SAI OZGA
 TAPEGT.SAI OZGA
 ACROP.MAC OZGA
 RCROP.MAC OZGA
 STATYR.MAC OZGA

E/HISTSM.SAV
 HISTSM.SAI OZGA
 COMS.SAI OZGA

EDITOR SOURCE FILES

 SAVE FILE AUTHOR COMMENTS
 SOURCE FILES

E/I4RUN.SAV
 I4RUN.SAI OZGA
 COMS.SAI OZGA
 NLBI4.MAC OZGA

E/IDENT.SAV
 IDENT.SAI OZGA
 COMS.SAI OZGA
 PDECOD.MAC OZGA
 CONV32.MAC OZGA
 RCROP.MAC OZGA
 STATYR.MAC OZGA

E/KAUTH.SAV
 KAUTH.SAI OZGA
 COMS.SAI OZGA

E/MAPCAT.SAV
 MAPCAT.SAI OZGA
 SORT.SAI OZGA
 COMS.SAI OZGA

E/MAPLAT.SAV
 MAPLAT.SAI OZGA
 MAPDEX.F4 OZGA
 COMS.SAI OZGA

E/MCLASS.SAV
 MCLASS.SAI OZGA
 COMS.SAI OZGA
 SYS: SSP.REL SYSTEM

IBM SCIENTIFIC SUBROUTINE PACKAGE

E/MCOORDS.SAV
 MCOORD.SAI OZGA

EDITOR SOURCE FILES

 SAVE FILE AUTHOR COMMENTS
 SOURCE FILES

-

E/MCPEDIT.SAV		
MCPEDT.R	OZGA	
MCPEDT.COMMON	OZGA	MUST BE AVAILABLE WHEN USING RATFOR ON MCPEDT.R
LSQ.REL	OZGA	SOURCE LOST
SIMEQ.F4	OZGA	
STRING.MAC	OZGA	
MATCH.F4	OZGA	
CALIB4.F4	OZGA	
GETDIG.R	OZGA	
TRAN.R	OZGA	
RBMAP.MAC	OZGA	
GETXY.MAC	OZGA	
XREAD.MAC	OZGA	
ZETA.MAC	OZGA	
GRAPH.F4	OZGA	
E/MCPWIN.SAV		
MCPWIN.F4	SIGMAN	
NEWCAL.R	OZGA	
FDIRS.MAC	OZGA	
STR.MAC	OZGA	
LOWUP.F4	OZGA	
E/MCTYNM.SAV		
MCTYNM.SAI	PEARSALL	
COMS.SAI	OZGA	
E/MEDIT.SAV		
MEDIT.SAI	OZGA	
COMS.SAI	OZGA	
RCROP.MAC	OZGA	
ACROP.MAC	OZGA	
E/MILCAP.SAV		
MILCAP.F4	OZGA	
XREAD.MAC	OZGA	
FLIST.MAC	OZGA	
E/MLOCATE.SAV		
MLOCAT.F4	SIGMAN	
STRING.MAC	OZGA	
E/MOSEQ.SAV		
MOSEQ.SAI	PEARSALL	
COMS.SAI	OZGA	

EDITOR SOURCE FILES

 SAVE FILE AUTHOR COMMENTS
 SOURCE FILES

```

D/MSKGEN.SAV
  MSKGEN.R                                   OZGA
  SEGED.COMMON                              OZGA                                    THIS SHOULD BE AVAILABLE WHEN
                                           USING RATFOR ON VARIOUS FILES

  RDWRSG.R                                  OZGA
  RDWR.MAC                                  OZGA
  GETREG.R                                  OZGA                                    COMPILE WITH F40 TO GETREG.FAK
  PROJ.F4                                   OZGA
  GCOVN.MAC                                 OZGA
  RCROP.MAC                                 OZGA
  FDIRS.MAC                                 OZGA
  STATYR.MAC                                OZGA
  NEWCAL.R                                  OZGA
  STR.MAC                                   OZGA
  FSTR.R                                    OZGA
  MSKGEN.MAC                                OZGA                                    COMPILES TO MSKGEN.ASM
  UTIL.MAC                                  OZGA
  UTIL.DEF                                  OZGA                                    COMPILE WITH MACRO TO UTIL.UNV,
                                           NEEDED TO COMPILE UTIL.MAC

E/MSPLIT.SAV
  MSPLIT.SAI                                OZGA
  COMS.SAI                                  OZGA

E/NEWDIR.SAV
  NEWDIR.SAI                                OZGA
  COMS.SAI                                  OZGA

E/ONECAT.SAV
  ONECAT.SAI                                OZGA
  COMS.SAI                                  OZGA
  CONV32.MAC                                OZGA

E/PART.SAV
  PART.SAI                                  OZGA
  COMS.SAI                                  OZGA

E/PATCH.SAV
  PATCH.MAC                                 OZGA

E/PCTRAN.SAV
  PCTRAN.SAI                                OZGA
  COMS.SAI                                  OZGA
  SYS:SSP.REL                              SYSTEM                                 IBM SCIENTIFIC SUBROUTINE PACKAGE
  
```

EDITOR SOURCE FILES

 SAVE FILE AUTHOR COMMENTS
 SOURCE FILES

D/PICK.SAV

PICK.MAC	OZGA
WINDOW.MAC	OZGA
MASK.MAC	OZGA
AUTOPK.MAC	OZGA
ACROP.MAC	OZGA
EMIT.MAC	OZGA
GMAKSH.MAC	OZGA
DIRS.MAC	OZGA
STATYR.MAC	OZGA
INTERP.MAC	OZGA
FRAMES.MAC	OZGA
RCROP.MAC	OZGA
USECAT.MAC	OZGA
FDCALC.MAC	OZGA
SEGLST.MAC	OZGA
TABF.F4	OZGA
TABM.MAC	OZGA
SAMPF.F4	OZGA
FORHLP.MAC	OZGA
SAMPM.MAC	OZGA
DOCOM.MAC	OZGA

E/PLOCATE.SAV

¹ PLOCAT.F4	SIGMAN
CALIB4.F4	OZGA
MAPDEX.F4	OZGA
GETXY.MAC	OZGA
LOWUP.F4	OZGA
STRING.MAC	OZGA
GETDIG.R	OZGA
TRAN.R	OZGA
RBMAP.MAC	OZGA
SIMEG.F4	OZGA
LSQ.REL	OZGA

SOURCE LOST

EDITOR SOURCE FILES

```
*****
SAVE FILE          AUTHOR          COMMENTS
SOURCE FILES
*****
```

```
PLTCTY.SAV                   IGNORE UNDEFINED GLOBALS
                              CALCTY, CTYALI, GETCTY

  PLTCTY.R                   OZGA
  CTYED.COMMON               OZGA
                              MUST BE AVAILABLE WHEN APPLYING
                              RATFOR TO PLTCTY.R

  FDIRS.MAC                  OZGA
  DGTIME.MAC                 OZGA
  ZETA.MAC                   OZGA
  PROJ.F4                    OZGA
  NEWCAL.R                   OZGA
  FSTR.R                     OZGA
  STR.MAC                    OZGA

E/PLTMAP.SAV

  PLTMAP.R                   OZGA
  ZETA.MAC                   OZGA
  RDWR.MAC                   OZGA
  OBTRAN.F4                  OZGA
  TRAN.R                     OZGA
  LSG.REL                    OZGA
                              SOURCE LOST
  SIMEG.F4                   OZGA
  GETDIG.R                   OZGA
  GETXY.MAC                  OZGA
  RBMAP.MAC                  OZGA

E/PLTSEQ.SAV

  PLTSEQ.R                   OZGA
  RDWRSG.R                   OZGA
  RDWR.MAC                   OZGA
  PROJ.F4                    OZGA
  NEWCAL.R                   OZGA
  FDIRS.MAC                  OZGA
  STATYR.MAC                 OZGA
  ZETA.MAC                   OZGA
  GETREG.R                   OZGA
                              COMPILER WITH F40 TO GETREG.FAK
  FSTR.R                     OZGA
  STR.MAC                    OZGA

E/POINTS.SAV
  POINTS.MAC                 OZGA

E/PRECIS.SAV
  PRECIS.R                   OZGA
  NEWCAL.R                   OZGA
  RDWRFL.MAC                 OZGA
  FDIRS.MAC                  OZGA
  STR.MAC                    OZGA
```

EDITOR SOURCE FILES

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*****
SAVE FILE          AUTHOR          COMMENTS
SOURCE FILES
*****
-
E/PRUNIT.SAV
  PRUNIT.SAI      OZGA
  COMS.SAI        OZGA

E/RECLAS.SAV
  RECLAS.SAI     OZGA
  COMS.SAI       OZGA

E/RENAME.SAV
  RENAME.SAI     OZGA
  COMS.SAI       OZGA

E/SCAT.SAV
  SCATF.RAT4     OZGA
  SCAT.MAC       OZGA
  LOWUP.F4       OZGA

E/SCENEPLT.SAV
  SCENE.F4       SIGMAN
  GETDIG.R       OZGA
  GETXY.MAC      OZGA
  TRAN.R         OZGA
  ZETA.MAC       OZGA
  RBMAP.MAC      OZGA
  LSG.REL        OZGA          SOURCE LOST
  SIMEQ.F4       OZGA
  STRING.MAC     OZGA

E/SCPEDT.SAV
  CPEDIT.R       LUEBBE
  CPEDIT.COMMON  LUEBBE          MUST BE AVAILABLE WHEN APPLYING
                                     RATFOR TO CPEDIT.R

  NIMALI.R       OZGA
  OBTRAN.F4      OZGA
  STRAN.R        OZGA
  LSG.REL        OZGA          SOURCE LOST
  SIMEQ.F4       OZGA
  GETDIG.R       OZGA
  RDWR.MAC       OZGA
  GETXY.MAC      OZGA
  RBMAP.MAC      OZGA

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EDITOR SOURCE FILES

```
*****
SAVE FILE           AUTHOR           COMMENTS
SOURCE FILES
*****
```

```

D/SEGED. SAV
  SEGED. R           OZGA
  SEGED. READ       OZGA           MUST BE AVAILABLE WHEN APPLYING
                                  RATFOR TO SEGED. R
  SEGED. COMMON     OZGA           MUST BE AVAILABLE WHEN APPLYING
                                  RATFOR TO VARIOUS FILES
  TRAN. R           OZGA
  SIMEQ. F4         OZGA
  GCOVN. MAC        OZGA
  GETXY. MAC        OZGA
  GETDIG. R         OZGA
  CALSEG. R         OZGA
  RDWR. MAC         OZGA
  RBMAP. MAC        OZGA
  DGTIME. MAC       OZGA
  BACKUP. MAC       OZGA
  LSG. REL          OZGA           SOURCE LOST
  SEGOPN. MAC       OZGA
  STATYR. MAC       OZGA
  RCROP. MAC        OZGA

E/SEGLIN. SAV
  SEGLIN. F4        SIGMAN
  DCDF. F4          SIGMAN
  DCDF. F4          SIGMAN
  DERF. F4          SIGMAN
  GRAPH. F4         SIGMAN
  LOWUP. F4         OZGA
  MATCH. F4         SIGMAN
  STRING. MAC       OZGA

E/SEGSZ. SAV
  SEGSZ. SAI        OZGA
  COMS. SAI         OZGA

E/SEGWIN. SAV
  SEGWIN. R         OZGA
  GETREG. R         OZGA           COMPILE WITH F40 TO GETREG.FAK
  RDWR. MAC        OZGA
  RDWRSG. R        OZGA
  PROJ. F4         OZGA
  GETCAL. R        OZGA
  STATYR. MAC      OZGA
  LOWUP. F4        OZGA
  FDIRS. MAC       OZGA
  FSTR. R          OZGA
  STR. MAC         OZGA

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EDITOR SOURCE FILES

 SAVE FILE AUTHOR COMMENTS
 SOURCE FILES

E/SHIFT.SAV
 SHIFT.F4 SIGMAN
 CALIB4.F4 OZGA
 GETDIG.R OZGA
 GETXY.MAC OZGA
 TRAN.R OZGA
 GETXY.MAC OZGA
 LOWUP.F4 OZGA
 RBMAP.MAC OZGA
 LSG.REL OZGA SOURCE LOST
 SIMEQ.F4 OZGA
 MATCH.F4 SIGMAN
 STRING.MAC OZGA

E/SINDEX.SAV
 SINDEK.F4 OZGA
 CALIB4.F4 OZGA
 MAPDEX.F4 OZGA
 GETXY.MAC OZGA
 LOWUP.F4 OZGA
 STRING.MAC OZGA
 GETDIG.R OZGA
 TRAN.R OZGA
 RBMAP.MAC OZGA
 SIMEQ.F4 OZGA
 LSG.REL OZGA SOURCE LOST

E/SKEW.SAV
 SKEW.SAI OZGA
 COMS.SAI OZGA

E/SOVERLAY.SAV
 SOVRLY.F4 SIGMAN
 TRAN.R OZGA
 GETDIG.R OZGA
 GETXY.MAC OZGA
 RBMAP.MAC OZGA
 LSG.REL OZGA SOURCE LOST
 SIMEQ.F4 OZGA
 CALIB4.F4 OZGA
 LOWUP.F4 OZGA
 STRING.MAC OZGA

EDITOR SOURCE FILES

 SAVE FILE AUTHOR COMMENTS
 SOURCE FILES

E/SPLIT.SAV
 SPLIT.R OZGA
 NSEGRD.R OZGA
 UTM.R OZGA
 FSTR.R OZGA
 STR.R OZGA

E/STATEDIT.SAV
 STAT.F4 OZGA
 FORCOM.MAC OZGA
 STATC.MAC OZGA
 NAMES.MAC OZGA
 XREAD.MAC OZGA
 ACROP.MAC OZGA
 RCROP.MAC OZGA
 FLIST.MAC OZGA

E/SUBWIN.SAV
 SUBWIN.MAC OZGA

E/SWISES.SAV
 SWISES.SAI OZGA
 COMS.SAI OZGA

E/TAPDSK.SAV
 TAPDSK.SAI OZGA
 COMS.SAI OZGA

E/TAPE.SAV
 TAPE.MAC OZGA
 MASK.MAC OZGA
 EMIT.MAC OZGA
 DIRS.MAC OZGA
 STATYR.MAC OZGA
 USECAT.MAC OZGA
 INTERP.MAC OZGA
 DDCOM.MAC OZGA

E/TDUMP.SAV
 TDUMP.SAI OZGA
 COMS.SAI OZGA

E/THRESH.SAV
 THRESH.SAI OZGA

EDITOR SOURCE FILES

 SAVE FILE AUTHOR COMMENTS
 SOURCE FILES

-

E/TICK.SAV		
TICK.SAI	OZGA	
COMS.SAI	OZGA	
HOTFIX.F4	OZGA	
MAPSUB.F4	SIGMAN	
SYS: SSP.REL	SYSTEM	
E/TLOCAL.SAV		
TLOCAL.R	OZGA	
LSQ.REL	OZGA	SOURCE LOST
SIMEQ.F4	OZGA	
RDWRSG.R	OZGA	
RDWR.MAC	OZGA	
NEWCAL.R	OZGA	
FDIRS.MAC	OZGA	
STATYR.MAC	OZGA	
PROJ.F4	OZGA	
FSTR.R	OZGA	
STR.MAC	OZGA	
E/TPCOPY.SAV		
TPCOPY.SAI	OZGA	
COMS.SAI	OZGA	
E/TRAREP.SAV		
TRAREP.SAI	OZGA	
COMS.SAI	OZGA	
RCROP.MAC	OZGA	
CONV32.MAC	OZGA	
SYS: SSP.REL	SYSTEM	
E/TRIM.SAV		
TRIM.F4	OZGA	
STRING.MAC	OZGA	
E/TRNWIN.SAV		
TRNWIN.SAI	OZGA	
E/WCLUS4.SAV		
WCLUS4.F4	OZGA	
XREAD.MAC	OZGA	
E/WHIST.SAV		
WHIST.SAI	OZGA	
COMS.SAI	OZGA	

EDITOR SOURCE FILES

SAVE FILE AUTHOR COMMENTS
SOURCE FILES

-
E/XSTAR.SAV
 XSTAR.SAI OZGA
 COMS.SAI OZGA

E/YAS.SAV
 YAS.SAI OZGA
 COMS.SAI OZGA
 RCROP.MAC OZGA

GLOBALS IN EDITOR SOURCE FILES

The following is a list of global variables in the various EDITOR source files. These global variables are such as may be called by other subroutines or procedures. Therefore, for FORTRAN and RATFOR programs, common blocks have been excluded as well as the main programs MAIN since these are not likely to be needed as globals during loading.

GLOBALS IN EDITOR SOURCE FILES

BTD4. MAC

(NO GLOBALS)
-

A2G. F4

A2G

ACCEST. SAI

(NO GLOBALS)

ACROP. MAC

ACROP

ADJF. F4

INITMA

AGG. MAC

(NO GLOBALS)

3

AGGADD. SAI

(NO GLOBALS)

AGGINX. SAI

(NO GLOBALS)

AUTOPK. MAC

ADJFN APARAM AUANOP AUCLST AUMIN AUTOPK
AUTOPT

AWIN. SAI

(NO GLOBALS)

GLOBALS IN EDITOR SOURCE FILES

BACKUP.MAC

CLSSBAK DELBAK OPSBAK

BADPIX.SAI

(NO GLOBALS)

BBLOCK.SAI

(NO GLOBALS)

BUTTON.SAI

(NO GLOBALS)

CALC.SAI

(NO GLOBALS)

CALCTY.R

CALCTY

CALIB4.F4

CALIB4

CALSEG.R

CALSEG CALSV CKDCAL

CATED.MAC

HSEGS JFNBK MONF NSEGS PLBUF SEGS

CATMSK.R

GETWIN INITMA MAPDIS GETMAP OUTMSK WRSEG

GLOBALS IN EDITOR SOURCE FILES

CERTS.F4

CERTS
-

CHECKP.SAI

(NO GLOBALS)

CLUBUS.SAI

(NO GLOBALS)

CMASK.R

WRTSEG WRITSG IN2PIX LOADED FLIP WRTHDR
FACEDR DELETE INSAFT ANALYZE PRNODE JFLOOR
JCEIL SUMMAR GETSCA RDCTY INITDS WRCTY
XY2UTM

CMASKP.SAI

(NO GLOBALS)

COMS.SAI

END.CH STTIME ENDTIM INITTY INICFL ABORTF
OPENAF GETINP ASKYN LOWUP GETCOM INIDIR
GETDIR GETDF ACCEPT REFUSE

COMTAB.SAI

(NO GLOBALS)

CONADJ.F4

CONADJ

CONMSK.SAI

(NO GLOBALS)

GLOBALS IN EDITOR SOURCE FILES

CONV32. MAC

 CONV10 CONV32
 -

CONVER. MAC

 CONVER

CORREC. F4

 ICATLS INITMA CKPFIL SEGLST STUSE STCLST
 LOWUP

CORREM. MAC

 CLOSEF FILNAM GCROP GWIDTH KFILL LENGTH
 NUMNJ NUMRJ OPENI POINT PUTC READB
 RJUS SFBSZ SFPTR TYPSTR NAMFIL NUMFJ
 OPEND SETJFN READST

COUNT. SAI

 (NO GLOBALS)

CP2WIN. R

 (NO GLOBALS)

CPEDIT. R

 PRCP GETRAN CKBKUP READBA READCP WRITCP
 OUTPLY PRTLEF LSEQDI SKEWST POLY GETTER
 PRCDEF LSQ1 PPCDEF SCALE1 LSQ1EV IGETTE
 XOB2GO PRTERM SETIMA SETMAP GETMAP GETIMA
 GFRAME MINMAX PLTRES JDIG2M NTFLIN NTFLOP

GLOBALS IN EDITOR SOURCE FILES

CTYED.R

```

-----
ADDVER    BLURB    CHKCTY    CHKPOL    CKCUN    CKPOIN
CLEANW    CTYDS    DELCUN    DELEDG    DELET1   DELVER
DIGCUN    EDCUN    FACEDR    GETCOM    GETCTY   GETNEW
GETOLD    GETSCA   GETSTR    GSC       INCRUC   INITDS
INSAFT    INSIDE   LOADED    MAKCUN    MAKED1   MAKEDG
PCOVN     RANGE    RDCTY     RECOMP    SCFIND   SORTCU
SUMMAR    VERDEL   VERINS    VIEWCU    WARNIN   WRCTY
XERROR    XY2UTM

```

DCDFF.F4

```

-----
DCDFF

```

DCDFT.F4

```

-----
DCDFT

```

DCDFX.F4

```

-----
DCDFX

```

DERF.F4

```

-----
DERF

```

DETECT.SAI

```

-----
(NO GLOBALS)

```

DGTIME.MAC

```

-----
BDGTIM    IDGTIM    SHWDAT

```

DIGCTY.R

```

-----
MAPALI    IDIG2M    CTYALI    IDIG2C    IGET     S
EARTH     SF        ASF       ASI       UTM      UTMF
UTMI

```

DIRS.MAC

```

-----
FNDFIL    GETDIR    NDIR

```

GLOBALS IN EDITOR SOURCE FILES

DISAGG.F4

INITMA SHOWG GROUP LOWUP

DISPSL.SAI

(NO GLOBALS)

DIST.F4

(NO GLOBALS)

DLSTSG.F4

DLSTSG DAIP

DOADJ.MAC

DOADJ RDADJ WRADJ

DOCOM.MAC

ABFIL BUF CFIND CNTLQ CSTP CSTPP
DISCOM FINCOM GTINP GTNRIN INPUT MBUF
PBUF PMBUF PQBUF PTBUF PXBUF QBUF

DRIVER.FOR

GETSCA LOWUP CONVER

DSYM.MAC

ZTASYM

ECLAS4.F4

(NO GLOBALS)

ECLASX.F4

(NO GLOBALS)

GLOBALS IN EDITOR SOURCE FILES

ECLUS4.F4

INVERT

-

ECLUSX.F4

INVERT

EDITCR.F4

POLY	DISBLK	DISPCO	SPACEP	DISRAW	GETRAN
OUTPARM	OUTPLY	DISPMP			
GATD64					

EDITOR.MAC

(NO GLOBALS)

EDUNIT.SAI

(NO GLOBALS)

EFILL.SAI

1 (NO GLOBALS)

ELLCON.F4

ELLCON

ELLIPS.F4

(NO GLOBALS)

ELPLOT.F4

ELPLOT

EMIT.MAC

CLEAR	EMIT	EMITB	EMITD	EMITDV	EMITP
PARE	TMCO				

GLOBALS IN EDITOR SOURCE FILES

ENTROP.SAI

(NO GLOBALS)
-

ERRORS.F4

ERRORS

ESTIMM.MAC

ADDP GETB GETDB JFNBK SPTR WRTEST

ESTIMF.F4

ESTMAT RATVAR REGVAR STANAS LARGE IFND01
ICATLS INITMA WEIGHT SHDCOM

EUCLID.F4

(NO GLOBALS)

EXTENT.R

(NO GLOBALS)

FAKECP.R

(NO GLOBALS)

FBLOCK.SAI

(NO GLOBALS)

FCLUS.SAI

(NO GLOBALS)

FDCALC.MAC

FDCALC

GLOBALS IN EDITOR SOURCE FILES

FDIRS. MAC

GETDIR OPENDF

FILCMP. MAC

(NO GLOBALS)

FIXC. SAI

(NO GLOBALS)

FLIST. MAC

FLIST FOPEN

FMEAN. MAC

(NO GLOBALS)

FORCOM. MAC

ABORTF INCHAR INCOM INCSTR INICFL ININUM
INSTR NOPNFL RNFNUM

FORHLP. MAC

ABORTF INCHAR INCOM INCSTR INICFL ININUM
INSTR NOPNFL RNFNUM NCLSFL

FRAMES. MAC

CKAFW CKFMSK CKFWIN FILFRM FRFIL FRHED
FRSUF GETFRM MYFRAM NFRAME PFRAMS

FSTR. R

PUSHCO RDCOM POPCOM YORN

G2U. F4

G2U

GLOBALS IN EDITOR SOURCE FILES

GBLOCK.SAI

(NO GLOBALS)

GCAL4.F4

GCAL4

GCOVN.MAC

GCOVN GDATE GTF INCRTR PCOVN PTF

GETCAL.R

IREADC IFLOOR IM2OB OB2IM DEG2IM IM2DEG
GLOBAL GETCAL FRMCNV

GETDIG.R

INITDI GETDIG

GETREG.R

GETREG

GETWIN.R

(NO GLOBALS)

GETXY.MAC

FLUSH GETXY GETXY1 GETXY2 GETXY3 GETXY4
GETXY5 RING RINGS SETFUL SETHLF

GMAASKH.MAC

ACRE ATOH DISSEG FAPPEA FCROP FFNUM
FINDU FIRRIG FNOTE FPARM FSHAPE FSIZE
FTRACT GMAASKD GMAASKE GMAASKH GMAASKR GMAASKS
HECTAR HSEGS HTOA IGTF MDATE MDPWD
MJFN MPARTS MPTR MSKPRM MSKSEG NEXTPM
NFIELD NMSKSG NSEGS PWIN REMASK RSIZE
SEGNO SEGS SKPMSK TGJFN TRNBIT TRSIZE
UNITS WINM

GLOBALS IN EDITOR SOURCE FILES

GRAPH.F4

 GRAPH
 -

GRADNT.SAI

 (NO GLOBALS)

GTEDIT.SAI

ELJFN	NFIELD	NELTS	NVISIT	SEG	CHANGE
GTNAME	GTNAM.	GTHEAD	FLDINX	TRACTS	FIELDS
GTINFO	DEFDAT	STARS	STARS.	FNDFLD	FINDIT
GETDAT	SHWFLD	CKELST	CHEKIT	READGT	WRITGT

HISTSM.SAI

 (NO GLOBALS)

HOTFIX.F4

 HOTFIX

I4RUN.SAI

 MONF

IDENT.SAI

 (NO GLOBALS)

INITAL.FOR

NEWPN	GRAIN	SYMBOL	PLOT	SYMB1	MOVR
MOVER	MOVRB	NUMBER	MARKER	PENDN	PENUP
FACTOR	DRAW	LOOK	AXIS	LINE	INITAL
SCALE	WHERE	RSTR	CIRCLE	CIRC11	UNPAK
XONOUT					

INTERP.MAC

 FIELDS INTERP

GLOBALS IN EDITOR SOURCE FILES

ISHFT.MAC

ISHFT
-

KAUTH.SAI

(NO GLOBALS)

LIMITS.MAC

LIMITS

LOWUP.F4

LOWUP

LSQ.REL

LSQ SCALE LSQEVA MAKELI

MAPDEX.F4

MAPDEX

MAPCAT.SAI

(NO GLOBALS)

MAPLAT.SAI

(NO GLOBALS)

MAPSUB.F4

HOTINE OTMFWD C1866 OTMINV DMSRAD RADDMS
OTMGEN MUFN

MASK.MAC

CODEB CODEP CODOUT CODPT DISABL DISTOK
FCOVER FINDSG FLDS LENGTH MAXCOD MONF
PASS PCOM PLBUF PCOM PREC SCAN
SELECT SFIELD TYPE

GLOBALS IN EDITOR SOURCE FILES

MATCH.F4

MATCH L2U
-

MCLASS.SAI

(NO GLOBALS)

MCOORD.SAI

(NO GLOBALS)

MCPEDT.R

GOVRLY PRCP GETRAN CKBKUP READBA RDMCP
WRITCP PRTLEF LOWUP LSGEDI POLY GETTER
LSQ1 PRCOEF SCALE1 LSQ1EV IGETTE PPCOEF
PRTERM MINMAX GETWIN PLOTCP RESID OUTPLY
CALCPG CALCWI GENBLK

MCPWIN.F4

GD20B

MCTYNM.SAI

(NO GLOBALS)

MEDIT.SAI

(NO GLOBALS)

MILCAP.F4

PREPRO DOCHAR HPROXS MILCAP TREE PLOGPF
ADPREP

MLOCAT.F4

(NO GLOBALS)

GLOBALS IN EDITOR SOURCE FILES

MODES. MAC

RESETM SETMOD
-

MOSEG. SAI

(NO GLOBALS)

MREG. F4

LMREG SMREG

MSKGEN. MAC

RDMAP WRMAP ZMAP

MSKGEN. R

WRTHDR WRTSEG WRITSG IN2PIX LOADED FLIP
JFLOOR FACEDR DELETE INSAFT ANLYZE PRNODE
JCEIL

MSPLIT. SAI

(NO GLOBALS)

NAMES. MAC

DISCOV DISNAM FINDNM

NEWCAL. R

GLBCAL IFLOOR IM2OB OB2IM DEG2IM IM2DEG
LOCCAL RD4 FRMCNV

NEWDIR. SAI

(NO GLOBALS)

NIMALI. R

NIMGAL NDIG2I IMGTRF NIMGET

GLOBALS IN EDITOR SOURCE FILES

NLBI4. MAC

DOICP DOICPE HOSTN HSTINE HSTINF HSTNAM
HSTNSZ HSTSTE HSTSTR LBINIT LGRINE LGRINT
MAPPGE MAPPGS NLOGIE NLOGIN NTGJFN NTGJFE
NTLBEG NTLEND NTOPNE NTOPNF NTSITE NTSTEE
RDHNAM STRHSE STRHST

NSEGRD. R

SUMMAR GETSCA RDSEG INITDS WRSEG

OBTRAN. F4

GETCAL GOD2OB OB2GOD IFLOOR DEG2IM IM2DEG

ONECAT. SAI

(NO GLOBALS)

ORB. R

ORB NXT

PART. SAI

(NO GLOBALS)

PATCH. MAC

(NO GLOBALS)

PCTCOV. F4

PCTCOV

PCTRAN. SAI

(NO GLOBALS)

PDECOD. MAC

DECODE

GLOBALS IN EDITOR SOURCE FILES

PICK.MAC

IJFN MYSEG PUNCF PWMW SAMPF START
TRYCOM TTYW1 TTYW2 UNCF UNPIK UNTAB
UNXSG UTAB WINMA WINMB

PITROL.F4

PITROL

PLOCAT.F4

(NO GLOBALS)

PLTCTY.R

SUMMAR GETSCA RDCTY INITDS WRCTY XY2UTM
BOX ERSTR N2A PLOTCU DRAWLA OPENGE
GEOGTR TICK LABELD LABELN TICKAT PLTHDR
CLOSEZ GETPLT

PLTMAP.R

PLOTRC IMG2IN

PLTSEG.R

BOX ERTSTR N2A PLOTFI DRAWLA OPENGE
GEOGTR TICK LABELD LABELN TICKAT PLTHDR
CLOSEZ GETPLT

POINTS.MAC

(NO GLOBALS)

PRECIS.R

EARTH UTM SF UTMF RC2UTM

PRINCP.MAC

CONV OUTCON

GLOBALS IN EDITOR SOURCE FILES

PROJ. F4

S EARTH SF ASF ASI UTM
UTME UTMI SUTMF SUTMI ASUTMI POLY
POLYF APOLYI

PRUNIT. SAI

(NO GLOBALS)

RBMAP. MAC

RBMAP

RCROP. MAC

APPEAR CROPS INDUSE IRRIG NAPPEA NCROPS
NINDUS NIRRIG NNOTES NOTES TAPPEA TCROPS
TINDUS TIRRIG TNNAPE NTCROP TNINDU TNIRRI
TNNOTE TNOTES RCROP

RDWR. MAC

CLOSEF DELETF DIEOFF END. EOFPTR JFNSTR
PDATE PRFDAT PRNUM RDBYTE RDPTR READFL
READST ROPEN SETBSZ SETPTR SETTRA WOPEN
WRBYTE WRITCL WRITFL WRITIN WRITST CHECKX

RDWRFL. MAC

ROPEN WOPEN CLOSEF READFL READST WRITFL
WRITIN WRITST WRITCL

RDWRSG. R

XY2UTM SUMMAR GETSCA RDSEG INITDS WRSEG

RECLAS. SAI

(NO GLOBALS)

RENAME. SAI

(NO GLOBALS)

GLOBALS IN EDITOR SOURCE FILES

REVERT.F4

REVERT
-

RSTART.MAC

DOSAV INISAV KILLSV RESTAR

SAMPF.F4

BSAMP GETSAM DAT

SAMPM.MAC

CTSC EXPANS NCTSC PREJ SAMPLE TPSAM

SCAT.MAC

EXTRAK OPNF RDF

SCATF.RAT4

ICATLS INITMA

SCENE.F4

(NO GLOBALS)

SEGED.R

WARNIN GETNEW GETOLD FIND GETSNU DELFIE
SUMMAR GETSCA RDSEG INITDS WRSEG CKPOIN
DIGFLD GETFIE INCRFI CHKPOL ERROR MAKFLD
CLEANU ADDVER MAKED1 GETCOM INSIDE CHKSEG
LOADED FLIP FACEDR CKFLDD DELET1 INSAFT
MAKEDG DELEDG DELVER VERINS VERDEL EDLFD
SORTFI DATETI RECOMP VIEWFL XY2UTM BLURB
CKBACK BLDEDG DSINIT INSEDG FINDED

SEGLIN.F4

(NO GLOBALS)

GLOBALS IN EDITOR SOURCE FILES

SEGLST.MAC

SEGLST

SEGOPN.MAC

SEGOPN

SEGSZ.SAI

(NO GLOBALS)

SEGWIN.R

(NO GLOBALS)

SHIFT.F4

(NO GLOBALS)

SIMEQ.F4

SIMEQ

¹
SINDEX.F4

(NO GLOBALS)

SKEW.SAI

(NO GLOBALS)

SOVRLY.F4

(NO GLOBALS)

GLOBALS IN EDITOR SOURCE FILES

SPLIT.R

SPLIT	PLYSEG	INPOLY	GETVER	P2S	CHKPOL
MAKFLD	CLEANU	ADDVER	MAKED1	XY2UTM	UTM2XY
SEGPLY	OUTPOL	CLIP	VINIT	VALLOC	VFREE
PFREE	POPEN	PCLOSE	RPOLY	WPOLY	PCOPY
CCOPY	PPOLY	PVERT	POLYCL	PERTUR	CLEAN
INSIDE	ANGLE	ANG	CODE	ISCAN	MKINT
CEVERT	ESORT				

STAT.F4

READ4	READ8	WRITE8	WRITE4	CATRAN	INVERT
MAT8	MAT4	POOL	STINV	ICATLS	CKAP
APRIOR	INITMA	CCAT	GETNAM	SHWNAM	ININMO
RDNAME	COPNAM	BHATT	BLDPRI	CPRIOR	

STATYR.MAC

STATYR

STATC.MAC

ECVM	MAINC	NECVM	NMAIN	NTCASE	NTDIST
NWNAME	TCASE	TDIST	WNAME		

STR.MAC

PT	TRIM	PTR	AP	GC	PC
MVEND	FIND	LEN	SPAN	BREAK	EQ
GE	GT	LE	LT	NE	NULL
MOVE	TOPEN	GET	OPEN	PRINT	PRINTF
PRINTS	ERROR	ERCODE	CLOSEF	DELETF	EOF
F2S	FC	GCF	I2S	INFOF	PCF
QUIT	RPTRF	S2F	S2I	SBSZF	SC
TTYACC	TTYREF	TTYWID	GARG	GARGP	PARG
IDATIM	ODATIM	LSH	L2U	SEEK	IN
OUT	*RBB	*RBE	*RBP		

STRAN.R

PRTALI	IDIG2P	IMGALI	IDIG2I	MAPALI	IDIG2M
SEGALI	IDIG2S	DIGERR	IGET	S	EARTH
SF	ASF	ASI	UTM	UTMF	UTMI

GLOBALS IN EDITOR SOURCE FILES

STRING.MAC

```

-----
ADDP      APPEND      BREAK      BYTE      CH      CLOSEF
COPY_     CTOS      DELETF     DP      ENDOF   EOF
EQ        ERCODE    ERROR      FTOS     GE      GETB
GETC      GETF      GETS      GPTRF    GT      INDEX
INFOF     INITIA    IP         IPRC     IPWC    ITOS
LE        LEN       LT         MOVE     NE      NULL
OPEN      POINT    PRINT      PRINTF   PRINTS  PUTB
PUTC      PUTF     PUTS      READB    READF   S2F
S2I      SBSZF    SCANF     SIZE     SPAN    SPTRF
STOF     STOI     SUBP      TOPEN    TRIM    WRITEB
WRITEF
  
```

SUBWIN.MAC

(NO GLOBALS)

SWISES.SAI

(NO GLOBALS)

TABF.F4

```

-----
CCTAB      GTHRES      DOCHAR
  
```

TABM.MAC

```

-----
CLSSEG     DOSHWW     DOTAB      FMAXCL     GETCN      OPNSEG
TABSEG     WRITO
  
```

TAPDSK.SAI

(NO GLOBALS)

TAPE.MAC

```

-----
ACROP      APPEAR     CROPS      DISFL      FAPPEA     FCROP
FFNUM      FINDU     FPARM      FSIZE     FTRACT     HSEGS
INDUSE     JFNBK     NAPPEA     NCROPS    NFIELD     NINDUS
NSEGS      SEGNO     SEGS       TAPPEA    TCROPS     TGJFN
TINDUS     TNAPPE    TNCROP     TNINDU    TRNBIT
  
```

GLOBALS IN EDITOR SOURCE FILES

TAPEGT.SAI

READT
-

TDUMP.SAI

(NO GLOBALS)

THRESH.SAI

(NO GLOBALS)

TIO.MAC

TCLOSE TOPEN TREAD TWRITE

TLOCAL.R

GETMAS TRANSF SAVEIT COMPOS GETLOC OUTCAL

TPCOPY.SAI

(NO GLOBALS)

TPOOL.F4

TPOOL BARTLT HOMREG DERF DCDFE DCDFX

TRAN.R

PRTALI IDIG2P IMGALI IDIG2I MAPALI IDIG2M
SEGALI IDIG2S DIGERR IGET S EARTH
SF ASF ASI UTM UTMF UTMI

TRAREP.SAI

(NO GLOBALS)

TRIM.F4

(NO GLOBALS)

GLOBALS IN EDITOR SOURCE FILES

TRNWIN. SAI

(NO GLOBALS)

U2G. F4

U2G

USECAT. MAC

CATAD CIJFN FINDD FINENT FINSEG GTCAT
ISRCH NCAT OPECAT OPNCAT RDCAT SEGSRT
SORTC SORTOG SRCCAT STCAT TENT

USEUNT. MAC

FILNAM FINCOU FNAME FSFAC FSTRAT GTSFAC
PFNAM RDUNA RDUNIT

UTIL. MAC

ERCODE ERROR INDEX LEN SPAN BREAK
EQ GE GT LE LT NE
OPEN GET INFO MOVE TYPE

UTM. R

EARTH SF UTM UTMF UTMI SI

WCLUS4. F4

INVERT

WHIST. SAI

(NO GLOBALS)

WINDOW. MAC

CKMULT CKWIN CLASSF FSKIP FTYPE GTWIN
INIMW JFNBK MYWIN NBCTS NBYTES NILDEV
NONSW OPNMW OPNWIN RAWB RLEN RSKIP
TRYMUL USEWIN WINW WJFN

GLOBALS IN EDITOR SOURCE FILES

WINTRN.R

MAKWIN
-

XREAD.MAC

ACCEPT CLOSE CNV360 CNVPDP CONV10 CONV32
CONV46 CONV64 DIE FILNAM GJFN GOJFN
GPARM GWIDTH JFN LDJFN LDOJFN LOGOFF
LOGON PLINE READD READH READP REFUSE
SWIDTH WRITED WRITEH WRITEP

XSTAR.SAI

(NO GLOBALS)

YAS.SAI

(NO GLOBALS)

ZETA.MAC

ZETAOL ZETAJF ZETAOP ZETAOR ZLINE ZMINMA
ZMOVET ZRESET SYMBOL

EDITOR SOURCE FILES CONTAINING GLOBALS

The following is a listing of global variables and the EDITOR source files in which they occur. It has been created from Section III using the program <DZGA>GLOBAL and is intended to facilitate the search for needed globals when loading programs or when studying the listings of programs.

1

EDITOR SOURCE FILES CONTAINING GLOBALS

 GLOBAL SOURCE FILES

\$RBB	STR. MAC
\$RBE	STR. MAC
\$RBP	STR. MAC
A2G	A2G. F4
ABFIL	DOCOM. MAC
ABORTF	COMS. SAI FORCOM. MAC FORHLP. MAC
ACCEPT	COMS. SAI XREAD. MAC
ACRE	GMASKH. MAC
ACROP	ACROP. MAC TAPE. MAC
ADDP	ESTIMM. MAC STRING. MAC
ADDVER	CTYED. R SEGED. R SPLIT. R
ADPREP	MILCAP. F4
ANG	SPLIT. R
ANGLE	SPLIT. R
ANLYZE	CMASK. R MSKGEN. R
AQJFN	AUTOPK. MAC
AP	STR. MAC
APARAM	AUTOPK. MAC
APOLYI	PROJ. F4
APPEAR	RCROP. MAC TAPE. MAC
APPEND	STRING. MAC
APRIOR	STAT. F4
ASF	DIGCTY. R PROJ. F4 STRAN. R TRAN. R
ASI	DIGCTY. R PROJ. F4 STRAN. R TRAN. R

EDITOR SOURCE FILES CONTAINING GLOBALS

GLOBAL SOURCE FILES

ASKYN	COMS. SAI
ASUTMI	PROJ. F4
ATOH	GMAKH. MAC
AUANOP	AUTOPK. MAC
AUCLST	AUTOPK. MAC
AUMIN	AUTOPK. MAC
AUTOPK	AUTOPK. MAC
AUTOPT	AUTOPK. MAC
AXIS	INITAL. FOR
BARTLT	TPOOL. F4
BDGTIM	DGTIME. MAC
BHATT	STAT. F4
BLDEDG	SEGED. R
BLDPRI	STAT. F4
BLURB	CTYED. R SEGED. R
BOX	PLTCTY. R PLTSEG. R
BREAK	STR. MAC STRING. MAC UTIL. MAC
BSAMP	SAMPF. F4
BUF	DOCOM. MAC
BYTE	STRING. MAC
C1866	MAPSUB. F4
CALCPG	MCPEDT. R
CALCTY	CALCTY. R
CALCWI	MCPEDT. R

EDITOR SOURCE FILES CONTAINING GLOBALS

GLOBAL SOURCE FILES

CALIB4 CALIB4.F4
CALSEG CALSEG.R
CALSV CALSEG.R
CATAD USECAT.MAC
CATRAN STAT.F4
CCAT STAT.F4
CCOPY SPLIT.R
CCTAB TABF.F4
CERTS CERTS.F4
CEVERT SPLIT.R
CFIND DDCOM.MAC
CH STRING.MAC
CHANGE GTEDIT.SAI
CHECKX RDWR.MAC
CHEKIT GTEDIT.SAI
CHKCTY CTYED.R
CHKPOL CTYED.R SEGED.R SPLIT.R
CHKSEG SEGED.R
CIJFN USECAT.MAC
CIRC11 INITAL.FOR
CIRCLE INITAL.FOR
CKAFW FRAMES.MAC
CKAP STAT.F4
CKBACK SEGED.R

EDITOR SOURCE FILES CONTAINING GLOBALS

GLOBAL SOURCE FILES

CKBKUP	CPEDIT.R	MCPEDT.R
CKCUN	CTYED.R	
CKELST	GTEDIT.SAI	
CKFLDD	SEGED.R	
CKFMSK	FRAMES.MAC	
CKFWIN	FRAMES.MAC	
CKMULT	WINDOW.MAC	
CKOCAL	CALSEG.R	
CKPFIL	CORREC.F4	
CKPOIN	CTYED.R	SEGED.R
CKWIN	WINDOW.MAC	
CLASSF	WINDOW.MAC	
CLEAN	SPLIT.R	
CLEANU	CTYED.R	SEGED.R SPLIT.R
CLEAR	EMIT.MAC	
CLIP	SPLIT.R	
CLOSE	XREAD.MAC	
CLOSEF	CORREM.MAC	RDWR.MAC RDWRFL.MAC STR.MAC STRING.MAC
CLOSEZ	PLTCTY.R	PLTSEG.R
CLSBK	BACKUP.MAC	
CLSSEG	TABM.MAC	
CNTLG	DOCOM.MAC	
CNV360	XREAD.MAC	
CNVPDP	XREAD.MAC	

EDITOR SOURCE FILES CONTAINING GLOBALS

GLOBAL SOURCE FILES

CODE	SPLIT. R
CODEB	MASK. MAC
CODEP	MASK. MAC
CODOUT	MASK. MAC
CODPT	MASK. MAC
COMPOS	TLOCAL. R
CONADJ	CONADJ. F4
CONV	PRINCP. MAC
CONV10	CONV32. MAC XREAD. MAC
CONV32	CONV32. MAC XREAD. MAC
CONV46	XREAD. MAC
CONV64	XREAD. MAC
CONVER	CONVER. MAC DRIVER. FOR
COPNAM	STAT. F4
COPY	STRING. MAC
CPRIOR	STAT. F4
CROPS	RCROP. MAC TAPE. MAC
CSTP	DOCOM. MAC
CSTPP	DOCOM. MAC
CTOS	STRING. MAC
CTSC	SAMPM. MAC
CTYALI	DIGCTY. R
CTYDS	CTYED. R
DAIP	DLSTSQ. F4

EDITOR SOURCE FILES CONTAINING GLOBALS

 GLOBAL SOURCE FILES

DAT	SAMPF.F4
DATETI	SEGED.R
DCDFF	DCDFF.F4 TPOOL.F4
DCDFT	DCDFT.F4 TPOOL.F4
DCDFX	DCDFX.F4 TPOOL.F4
DECODE	PDECOD.MAC
DEFDAT	GTEDIT.SAI
DEG2IM	GETCAL.R NEWCAL.R OBTRAN.F4
DELBAK	BACKUP.MAC
DELCUN	CTYED.R
DELEDG	CTYED.R SEGED.R
DELET1	CTYED.R SEGED.R
DELETE	CMASK.R MSKGEN.R
DELETF	RDWR.MAC STR.MAC STRING.MAC
DELFIG	SEGED.R
DELVER	CTYED.R SEGED.R
DERF	DERF.F4 TPOOL.F4
DIE	XREAD.MAC
DIEOFF	RDWR.MAC
DIGCUN	CTYED.R
DIGERR	STRAN.R TRAN.R
DIGFLD	SEGED.R
DISABL	MASK.MAC
DISBLK	EDITCR.F4

EDITOR SOURCE FILES CONTAINING GLOBALS

 GLOBAL SOURCE FILES

DISCOM	DOCOM. MAC
DISCOV	NAMES. MAC
DISFL	TAPE. MAC
DISNAM	NAMES. MAC
DISPCO	EDITCR. F4
DISPMP	EDITCR. F4
DISRAW	EDITCR. F4
DISSEG	GMASKH. MAC
DISTOK	MASK. MAC
DLSTSG	DLSTSG. F4
DMSRAD	MAPSUB. F4
DOADJ	DOADJ. MAC
DOCHAR	MILCAP. F4 TABF. F4
DOICP	NLBI4. MAC
DOICPE	NLBI4. MAC
DOSAV	RSTART. MAC
DOSHWW	TABM. MAC
DOTAB	TABM. MAC
DP	STRING. MAC
DRAW	INITAL. FOR
DRAWLA	PLTCTY. R PLTSEG. R
DSINIT	SEGED. R
EARTH	DIGCTY. R PRECIS. R PROJ. F4 STRAN. R TRAN. R UTM. R
ECVM	STATC. MAC

EDITOR SOURCE FILES CONTAINING GLOBALS

 GLOBAL SOURCE FILES

EDCUN	CTYED.R
EDLFD	SEGED.R
ELJFN	GTEDIT.SAI
ELLCON	ELLCON.F4
ELPLOT	ELPLOT.F4
EMIT	EMIT.MAC
EMITB	EMIT.MAC
EMITD	EMIT.MAC
EMITDV	EMIT.MAC
EMITP	EMIT.MAC
END..	RDWR.MAC
END.CH	COMS.SAI
ENDOF	STRING.MAC
ENDTIM	COMS.SAI
EOF	STR.MAC STRING.MAC
EOFPTR	RDWR.MAC
EQ	STR.MAC STRING.MAC UTIL.MAC
ERCODE	STR.MAC STRING.MAC UTIL.MAC
ERROR	SEGED.R STR.MAC STRING.MAC UTIL.MAC
ERRORS	ERRORS.F4
ERSTR	PLTCTY.R
ERTSTR	PLTSEG.R
ESORT	SPLIT.R
ESTMAT	ESTIMF.F4

EDITOR SOURCE FILES CONTAINING GLOBALS

GLOBAL SOURCE FILES

EXPANS SAMPM. MAC
EXTRAK SCAT. MAC
F2S STR. MAC
FACEDR CMASK. R CTYED. R MSKGEN. R SEGED. R
FACTOR INITAL. FOR
FAPPEA GMASKH. MAC TAPE. MAC
FC STR. MAC
FCOVER MASK. MAC
FCROP GMASKH. MAC TAPE. MAC
FDCALC FDCALC. MAC
FFNUM GMASKH. MAC TAPE. MAC
FIELDS GTEDIT. SAI INTERP. MAC
FILFRM FRAMES. MAC
FILNAM CORREM. MAC USEUNT. MAC XREAD. MAC
FINCOM DOCOM. MAC
FINCOU USEUNT. MAC
FIND SEGED. R STR. MAC
FINDD USECAT. MAC
FINDED SEGED. R
FINDIT GTEDIT. SAI
FINDNM NAMES. MAC
FINDSG MASK. MAC
FINDU GMASKH. MAC TAPE. MAC
FINENT USECAT. MAC

EDITOR SOURCE FILES CONTAINING GLOBALS

GLOBAL SOURCE FILES

FINSEG USECAT.MAC
FIRRIG GMASKH.MAC
FLDINX GTEDIT.SAI
FLDS MASK.MAC
FLIP CMASK.R MSKGEN.R SEGED.R
FLIST FLIST.MAC
FLUSH GETXY.MAC
FMAXCL TABM.MAC
FNAM USEUNT.MAC
FNDFIL DIRS.MAC
FNDFLD GTEDIT.SAI
FNOTE GMASKH.MAC
FOPEN FLIST.MAC
FPARM GMASKH.MAC TAPE.MAC
FRFIL FRAMES.MAC
FRHED FRAMES.MAC
FRMCNV GETCAL.R NEWCAL.R
FRSUF FRAMES.MAC
FSFAC USEUNT.MAC
FSHAPE GMASKH.MAC
FSIZE GMASKH.MAC TAPE.MAC
FSKIP WINDOW.MAC
FSTRAT USEUNT.MAC
FTOS STRING.MAC

EDITOR SOURCE FILES CONTAINING GLOBALS

GLOBAL SOURCE FILES

FTRACT	GMASKH.MAC	TAPE.MAC
FTYPE	WINDOW.MAC	
G2U	G2U.F4	
GARG	STR.MAC	
GARGP	STR.MAC	
GATD64	EDITCR.F4	
GC	STR.MAC	
GCAL4	GCAL4.F4	
GCF	STR.MAC	
GCOVN	GCOVN.MAC	
GCROP	CORREM.MAC	
GD20B	MCPWIN.F4	
GDATE	GCOVN.MAC	
GE	STR.MAC	STRING.MAC UTIL.MAC
GENBLK	MCPEDT.R	
GEOGTR	PLTCTY.R	PLTSEG.R
GET	STR.MAC	UTIL.MAC
GETB	ESTIMM.MAC	STRING.MAC
GETC	STRING.MAC	
GETCAL	GETCAL.R	OBTRAN.F4
GETCN	TABM.MAC	
GETCOM	COMS.SAI	CTYED.R SEGED.R
GETCTY	CTYED.R	
GETDAT	GTEDIT.SAI	

EDITOR SOURCE FILES CONTAINING GLOBALS

 GLOBAL SOURCE FILES

GETDB	ESTIMM.MAC
GETDF	COMS.SAI
GETDIG	GETDIG.R
GETDIR	COMS.SAI DIRS.MAC FDIRS.MAC
GETF	STRING.MAC
GETFIE	SEGED.R
GETFRM	FRAMES.MAC
GETIMA	CPEDIT.R
GETINP	COMS.SAI
GETLOC	TLOCAL.R
GETMAP	CATMSK.R CPEDIT.R
GETMAS	TLOCAL.R
GETNAM	STAT.F4
GETNEW	CTYED.R SEGED.R
GETOLD	CTYED.R SEGED.R
GETPLT	PLTCTY.R PLTSEG.R
GETRAN	CPEDIT.R EDITCR.F4 MCPEDT.R
GETREG	GETREG.R
GETS	STRING.MAC
GETSAM	SAMPF.F4
GETSCA	CMASK.R CTYED.R DRIVER.FOR NSEGRD.R PLTCTY.R RDWRSG.R SEGED.R
GETSNU	SEGED.R
GETSTR	CTYED.R

EDITOR SOURCE FILES CONTAINING GLOBALS

GLOBAL SOURCE FILES

GETT̄ER	CPEDIT.R	MCPEDT.R
GETVER	SPLIT.R	
GETWIN	CATMSK.R	MCPEDT.R
GETXY	GETXY.MAC	
GETXY1	GETXY.MAC	
GETXY2	GETXY.MAC	
GETXY3	GETXY.MAC	
GETXY4	GETXY.MAC	
GETXY5	GETXY.MAC	
GFRAME	CPEDIT.R	
GJFN	XREAD.MAC	
GLBCAL	NEWCAL.R	
GLOBAL	GETCAL.R	
GMASKD	GMASKH.MAC	
GMASKE	GMASKH.MAC	
GMASKH	GMASKH.MAC	
GMASKR	GMASKH.MAC	
GMASKS	GMASKH.MAC	
GOD2OB	OBTRAN.F4	
GOJFN	XREAD.MAC	
GOVRLY	MCPEDT.R	
GPARM	XREAD.MAC	
GPTRF	STRING.MAC	
GRAIN	INITAL.FOR	

EDITOR SOURCE FILES CONTAINING GLOBALS

GLOBAL SOURCE FILES

GRAPH	GRAPH.F4
GROUP	DISAGG.F4
GSC	CTYED.R
GT	STR.MAC STRING.MAC UTIL.MAC
GTCAT	USECAT.MAC
GTF	GCOVN.MAC
GTHEAD	GTEDIT.SAI
GTHRES	TABF.F4
GTINFO	GTEDIT.SAI
GTINP	DOCOM.MAC
GTNAM.	GTEDIT.SAI
GTNAME	GTEDIT.SAI
GTNRIN	DOCOM.MAC
GTSFAC	USEUNT.MAC
GTWIN	WINDOW.MAC
GWIDTH	CORREM.MAC XREAD.MAC
HECTAR	GMASKH.MAC
HOMREG	TPOOL.F4
HOSTN	NLBI4.MAC
HOTFIX	HOTFIX.F4
HOTINE	MAPSUB.F4
HPROXS	MILCAP.F4
HSEGS	CATED.MAC GMASKH.MAC TAPE.MAC
HSTINE	NLBI4.MAC

EDITOR SOURCE FILES CONTAINING GLOBALS

 GLOBAL SOURCE FILES

HSTINF	NLBI4.MAC
HSTNAM	NLBI4.MAC
HSTNSZ	NLBI4.MAC
HSTSTE	NLBI4.MAC
HSTSTR	NLBI4.MAC
HTOA	GMASKH.MAC
I2S	STR.MAC
ICATLS	CORREC.F4 ESTIMF.F4 SCATF.RAT4 STAT.F4
IDATIM	STR.MAC
IDGTIM	DGTIME.MAC
IDIG2C	DIGCTY.R
IDIG2I	STRAN.R TRAN.R
IDIG2M	DIGCTY.R STRAN.R TRAN.R
IDIG2P	STRAN.R TRAN.R
IDIG2S	STRAN.R TRAN.R
IFLOOR	GETCAL.R NEWCAL.R OBTRAN.F4
IFND01	ESTIMF.F4
IGET	DIGCTY.R STRAN.R TRAN.R
IGETTE	CPEDIT.R MCPEDT.R
IGTF	GMASKH.MAC
IJFN	PICK.MAC
IM2DEG	GETCAL.R NEWCAL.R OBTRAN.F4
IM2OB	GETCAL.R NEWCAL.R
IMG2IN	PLTMAP.R

EDITOR SOURCE FILES CONTAINING GLOBALS

 GLOBAL SOURCE FILES

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 IMGALI STRAN.R TRAN.R
 IMGTRF NIMALI.R
 IN STR.MAC
 IN2PIX CMASK.R MSKGEN.R
 INCHAR FORCOM.MAC FORHLP.MAC
 INCOM FORCOM.MAC FORHLP.MAC
 INRCU CTYED.R
 INCRFI SEGED.R
 INCRTR GCOVN.MAC
 INCSTR FORCOM.MAC FORHLP.MAC
 INDEX STRING.MAC UTIL.MAC
 INDUSE RCROP.MAC TAPE.MAC
 INFO UTIL.MAC
 INFOF STR.MAC STRING.MAC
 INICFL COMS.SAI FORCOM.MAC FORHLP.MAC
 INIDIR COMS.SAI
 INIMW WINDOW.MAC
 ININMO STAT.F4
 ININUM FORCOM.MAC FORHLP.MAC
 INISAV RSTART.MAC
 INITAL INITAL.FOR
 INITDI GETDIG.R
 INITDS CMASK.R CTYED.R NSEGRD.R PLTCTY.R RDWRSG.R SEGED.R
 INITIA STRING.MAC

EDITOR SOURCE FILES CONTAINING GLOBALS

 GLOBAL SOURCE FILES

INITMA	ADJF.F4 CATMSK.R CORREC.F4 DISAGG.F4 ESTIMF.F4 SCATF.RAT4 STAT.F4
INITTY	COMS.SAI
INPOLY	SPLIT.R
INPUT	DOCOM.MAC
INSAFT	CMASK.R CTYED.R MSKGEN.R SEGED.R
INSEGD	SEGED.R
INSIDE	CTYED.R SEGED.R SPLIT.R
INSTR	FORCOM.MAC FORHLP.MAC
INTERP	INTERP.MAC
INVERT	ECLUS4.F4 ECLUSX.F4 STAT.F4 WCLUS4.F4
IP	STRING.MAC
IPRC	STRING.MAC
IPWC	STRING.MAC
IREADC	GETCAL.R
IRRIG	RCROP.MAC
ISCAN	SPLIT.R
ISHFT	ISHFT.MAC
ISRCH	USECAT.MAC
ITDS	STRING.MAC
JCEIL	CMASK.R MSKGEN.R
JDIG2M	CPEDIT.R
JFLOOR	CMASK.R MSKGEN.R
JFN	XREAD.MAC

EDITOR SOURCE FILES CONTAINING GLOBALS

 GLOBAL SOURCE FILES

JFNBK CATED.MAC ESTIMM.MAC TAPE.MAC WINDOW.MAC
 JFNSTR RDWR.MAC
 KFILL CORREM.MAC
 KILLSV RSTART.MAC
 L2U MATCH.F4 STR.MAC
 LABELD PLTCTY.R PLTSEG.R
 LABELN PLTCTY.R PLTSEG.R
 LARGE ESTIMF.F4
 LBINIT NLBI4.MAC
 LDJFN XREAD.MAC
 LDOJFN XREAD.MAC
 LE STR.MAC STRING.MAC UTIL.MAC
 LEN STR.MAC STRING.MAC UTIL.MAC
 LENGTH CORREM.MAC MASK.MAC
 LGRINE NLBI4.MAC
 LGRINT NLBI4.MAC
 LIMITS LIMITS.MAC
 LINE INITAL.FOR
 LMREG MREG.F4
 LOADED CMASK.R CTYED.R MSKGEN.R SEGED.R
 LOCCAL NEWCAL.R
 LOGOFF XREAD.MAC
 LOGON XREAD.MAC
 LOOK INITAL.FOR

EDITOR SOURCE FILES CONTAINING GLOBALS

GLOBAL SOURCE FILES

LOWUP	COMS.SAI	CORREC.F4	DISAGG.F4	DRIVER.FOR	LOWUP.F4
	MCPEDT.R				
LSH	STR.MAC				
LSQ	LSQ.REL				
LSQ1	CPEDIT.R	MCPEDT.R			
LSQ1EV	CPEDIT.R	MCPEDT.R			
LSQEDI	CPEDIT.R	MCPEDT.R			
LSQEVA	LSQ.REL				
LT	STR.MAC	STRING.MAC	UTIL.MAC		
MAINC	STATC.MAC				
MAKCUN	CTYED.R				
MAKED1	CTYED.R	SEGED.R	SPLIT.R		
MAKEDG	CTYED.R	SEGED.R			
MAKELI	LSQ.REL				
MAKFLD	SEGED.R	SPLIT.R			
MAKWIN	WINTRN.R				
MAPALI	DIGCTY.R	STRAN.R	TRAN.R		
MAPDEX	MAPDEX.F4				
MAPDIS	CATMSK.R				
MAPPGE	NLBI4.MAC				
MAPPGS	NLBI4.MAC				
MARKER	INITAL.FOR				
MAT4	STAT.F4				
MAT8	STAT.F4				

EDITOR SOURCE FILES CONTAINING GLOBALS

 GLOBAL SOURCE FILES

MATCH	MATCH.F4
MAXCOD	MASK.MAC
MBUF	DOCOM.MAC
MDATE	GMASKH.MAC
MDPWD	GMASKH.MAC
MILCAP	MILCAP.F4
MINMAX	CPEDIT.R MCPEDT.R
MJFN	GMASKH.MAC
MKINT	SPLIT.R
MONF	CATED.MAC I4RUN.SAI MASK.MAC
MOVE	STR.MAC STRING.MAC UTIL.MAC
MOVER	INITAL.FOR
MOVR	INITAL.FOR
MOVRE	INITAL.FOR
MPARTS	GMASKH.MAC
MPTR	GMASKH.MAC
MSKPRM	GMASKH.MAC
MSKSEG	GMASKH.MAC
MUFN	MAPSUB.F4
MVEND	STR.MAC
MYFRAM	FRAMES.MAC
MYSEG	PICK.MAC
MYWIN	WINDOW.MAC
N2A	PLTCTY.R PLTSEG.R

EDITOR SOURCE FILES CONTAINING GLOBALS

GLOBAL SOURCE FILES

NAMFIL	CORREM.MAC
NAPPEA	RCROP.MAC TAPE.MAC
NBCTS	WINDOW.MAC
NBYTS	WINDOW.MAC
NCAT	USECAT.MAC
NCLSFL	FORHLP.MAC
NCROPS	RCROP.MAC TAPE.MAC
NCTSC	SAMPM.MAC
NDIG2I	NIMALI.R
NDIR	DIRS.MAC
NE	STR.MAC STRING.MAC UTIL.MAC
NECVM	STATC.MAC
NELTS	GTEDIT.SAI
NEWPN	INITAL.FOR
NEXTPM	GMASKH.MAC
NFIELD	GMASKH.MAC GTEDIT.SAI TAPE.MAC
NFRAME	FRAMES.MAC
NILDEV	WINDOW.MAC
NIMGAL	NIMALI.R
NIMGET	NIMALI.R
NINDUS	RCROP.MAC TAPE.MAC
NIRRIQ	RCROP.MAC
NLOGIE	NLBI4.MAC
NLOGIN	NLBI4.MAC

EDITOR SOURCE FILES CONTAINING GLOBALS

GLOBAL SOURCE FILES

NMAIN	STATC. MAC
NMSKSG	GMASKH. MAC
NNOTES	RCROP. MAC
NONSW	WINDOW. MAC
NOPNFL	FORCOM. MAC FORHLP. MAC
NOTES	RCROP. MAC
NSEGS	CATED. MAC GMASKH. MAC TAPE. MAC
NTCASE	STATC. MAC
NTCROP	RCROP. MAC
NTDIST	STATC. MAC
NTFLIN	CPEDIT. R
NTFLOP	CPEDIT. R
NTGJFE	NLBI4. MAC
NTGJFN	NLBI4. MAC
NTLBEG	NLBI4. MAC
NTLEND	NLBI4. MAC
NTOPNE	NLBI4. MAC
NTOPNF	NLBI4. MAC
NTSITE	NLBI4. MAC
NTSTEE	NLBI4. MAC
NULL	STR. MAC STRING. MAC
NUMBER	INITAL. FOR
NUMFJ	CORREM. MAC
NUMNJ	CORREM. MAC

EDITOR SOURCE FILES CONTAINING GLOBALS

GLOBAL SOURCE FILES

NUMR \bar{J}	CORREM. MAC
NVISIT	GTEDIT. SAI
NWNAME	STATC. MAC
NXT	ORB. R
OB2GOD	OBTRAN. F4
OB2IM	GETCAL. R NEWCAL. R
ODATIM	STR. MAC
OPECAT	USECAT. MAC
OPEN	STR. MAC STRING. MAC UTIL. MAC
OPENAF	COMS. SAI
OPENDF	FDIRS. MAC
OPENGE	PLTCTY. R PLTSEG. R
OPENI	CORREM. MAC
OPENO	CORREM. MAC
OPNCAT	USECAT. MAC
OPNF	SCAT. MAC
OPNMW	WINDOW. MAC
OPNSEG	TABM. MAC
OPNWIN	WINDOW. MAC
OPSBK	BACKUP. MAC
ORB	ORB. R
OTMFW	MAPSUB. F4
OTMGEN	MAPSUB. F4
OTMINV	MAPSUB. F4

EDITOR SOURCE FILES CONTAINING GLOBALS

GLOBAL SOURCE FILES

OUT	STR.MAC
OUTCAL	TLOCAL.R
OUTCON	PRINCP.MAC
OUTMSK	CATMSK.R
OUTPARM	EDITCR.F4
OUTPLY	CPEDIT.R EDITCR.F4 MCPEDT.R
OUTPOL	SPLIT.R
P2S	SPLIT.R
PARE	EMIT.MAC
PARG	STR.MAC
PASS	MASK.MAC
PBUF	DOCOM.MAC
PC	STR.MAC
PCF	STR.MAC
PCLOSE	SPLIT.R
PCOM	MASK.MAC
PCOPY	SPLIT.R
PCOVN	CTYED.R GCOVN.MAC
PCTCOV	PCTCOV.F4
PDATE	RDWR.MAC
PENDN	INITAL.FOR
PENUP	INITAL.FOR
PERTUR	SPLIT.R
PFNAM	USEUNT.MAC

EDITOR SOURCE FILES CONTAINING GLOBALS

 GLOBAL SOURCE FILES

PFRAMS	FRAMES.MAC
PFREE	SPLIT.R
PITROL	PITROL.F4
PLBUF	CATED.MAC MASK.MAC
PLINE	XREAD.MAC
PLOGPF	MILCAP.F4
PLOT	INITAL.FOR
PLOTCP	MCPEDT.R
PLOTCU	PLTCTY.R
PLOTFI	PLTSEG.R
PLOTRC	PLTMAP.R
PLTHDR	PLTCTY.R PLTSEG.R
PLTRES	CPEDIT.R
PLYSEG	SPLIT.R
PMBUF	DOCOM.MAC
POINT	CORREM.MAC STRING.MAC
POLY	CPEDIT.R EDITCR.F4 MCPEDT.R PROJ.F4
POLYCL	SPLIT.R
POLYF	PROJ.F4
POOL	STAT.F4
POPCOM	FSTR.R
POPEN	SPLIT.R
PPCOEF	CPEDIT.R MCPEDT.R
PPCOM	MASK.MAC

EDITOR SOURCE FILES CONTAINING GLOBALS

 GLOBAL SOURCE FILES

PPOLY	SPLIT. R
PQBUF	DOCOM. MAC
PRCOEF	CPEDIT. R MCPEDT. R
PRCP	CPEDIT. R MCPEDT. R
PREC	MASK. MAC
PREJ	SAMPM. MAC
PREPRO	MILCAP. F4
PRFDAT	RDWR. MAC
PRINT	STR. MAC STRING. MAC
PRINTF	STR. MAC STRING. MAC
PRINTS	STR. MAC STRING. MAC
PRNODE	CMASK. R MSKGEN. R
PRNUM	RDWR. MAC
PRTALI	STRAN. R TRAN. R
PRTERM	CPEDIT. R MCPEDT. R
PRTLEF	CPEDIT. R MCPEDT. R
PT	STR. MAC
PTBUF	DOCOM. MAC
PTF	GCOVN. MAC
PTR	STR. MAC
PUNCF	PICK. MAC
PUSHCO	FSTR. R
PUTB	STRING. MAC
PUTC	CORREM. MAC STRING. MAC

EDITOR SOURCE FILES CONTAINING GLOBALS

GLOBAL SOURCE FILES

PUTF	STRING.MAC
PUTS	STRING.MAC
PVERT	SPLIT.R
PWIN	GMASKH.MAC
PWMW	PICK.MAC
PXBUF	DOCOM.MAC
QBUF	DOCOM.MAC
QUIT	STR.MAC
RADDMS	MAPSUB.F4
RANGE	CTYED.R
RATVAR	ESTIMF.F4
RAWB	WINDOW.MAC
RBMAP	RBMAP.MAC
RC2UTM	PRECIS.R
RCROP	RCROP.MAC
RD4	NEWCAL.R
RDADJ	DOADJ.MAC
RDBYTE	RDWR.MAC
RDCAT	USECAT.MAC
RDCOM	FSTR.R
RDCTY	CMASK.R CTYED.R PLTCTY.R
RDF	SCAT.MAC
RDHNAM	NLBI4.MAC
RDMAP	MSKGEN.MAC

EDITOR SOURCE FILES CONTAINING GLOBALS

 GLOBAL SOURCE FILES

RDMCP	MCPEDT.R
RDNAME	STAT.F4
RDPTR	RDWR.MAC
RDSEG	NSEGRD.R RDWRSG.R SEGED.R
RDUNA	USEUNT.MAC
RDUNIT	USEUNT.MAC
READ4	STAT.F4
READ8	STAT.F4
READB	CORREM.MAC STRING.MAC
READBA	CPEDIT.R MCPEDT.R
READCP	CPEDIT.R
READD	XREAD.MAC
READF	STRING.MAC
READFL	RDWR.MAC RDWRFL.MAC
READGT	GTEDIT.SAI
READH	XREAD.MAC
READP	XREAD.MAC
READST	CORREM.MAC RDWR.MAC RDWRFL.MAC
READT	TAPEGT.SAI
RECOMP	CTYED.R SEGED.R
REFUSE	COMS.SAI XREAD.MAC
REGVAR	ESTIMF.F4
REMASK	GMSKH.MAC
RESETM	MODES.MAC

EDITOR SOURCE FILES CONTAINING GLOBALS

 GLOBAL SOURCE FILES

RESID	MCPEdT.R
RESTAR	RSTART.MAC
REVERT	REVERT.F4
RING	GETXY.MAC
RINGS	GETXY.MAC
RJUS	CORREM.MAC
RLEN	WINDOW.MAC
RNFNUM	FORCOM.MAC FORHLP.MAC
ROPEN	RDWR.MAC RDWRFL.MAC
RPOLY	SPLIT.R
RPTRF	STR.MAC
RSIZE	GMAKH.MAC
RSKIP	WINDOW.MAC
RSTR	INITAL.FOR
S	DIGCTY.R PROJ.F4 STRAN.R TRAN.R
S2F	STR.MAC STRING.MAC
S2I	STR.MAC STRING.MAC
SAMPF	PICK.MAC
SAMPLE	SAMPM.MAC
SAVEIT	TLOCAL.R
SBSZF	STR.MAC STRING.MAC
SC	STR.MAC
SCALE	INITAL.FOR LSG.REL
SCALE1	CPEDIT.R MCPEDT.R

EDITOR SOURCE FILES CONTAINING GLOBALS

 GLOBAL SOURCE FILES

SCAN MASK.MAC
 SCANF STRING.MAC
 SCFIND CTYED.R
 SEEK STR.MAC
 SEG GTEDIT.SAI
 SEGALI STRAN.R TRAN.R
 SEGLST CORREC.F4 SEGLST.MAC
 SEGNO GMASKH.MAC TAPE.MAC
 SEGOPN SEGOPN.MAC
 SEGPLY SPLIT.R
 SEGS CATED.MAC GMASKH.MAC TAPE.MAC
 SEGSRT USECAT.MAC
 SELECT MASK.MAC
 SETBSZ RDWR.MAC
 SETFUL GETXY.MAC
 SETHLF GETXY.MAC
 SETIMA CPEDIT.R
 SETJFN CORREM.MAC
 SETMAP CPEDIT.R
 SETMOD MODES.MAC
 SETPTR RDWR.MAC
 SETTRA RDWR.MAC
 SF DIGCTY.R PRECIS.R PROJ.F4 STRAN.R TRAN.R UTM.R
 SFBSZ CORREM.MAC

EDITOR SOURCE FILES CONTAINING GLOBALS

GLOBAL SOURCE FILES

SFIELD	MASK.MAC
SFPTR	CORREM.MAC
SHOCOM	ESTIMF.F4
SHOWG	DISAGG.F4
SHWDAT	DGTIME.MAC
SHWFLD	GTEDIT.SAI
SHWNAM	STAT.F4
SI	UTM.R
SIMEQ	SIMEQ.F4
SIZE	STRING.MAC
SKEWST	CPEDIT.R
SKPMSK	GMASKH.MAC
SMREG	MREG.F4
SORTC	USECAT.MAC
SORTCU	CTYED.R
SORTFI	SEGED.R
SORTOG	USECAT.MAC
SPACEP	EDITCR.F4
SPAN	STR.MAC STRING.MAC UTIL.MAC
SPLIT	SPLIT.R
SPTR	ESTIMM.MAC
SPTRF	STRING.MAC
SRCCAT	USECAT.MAC
STANAS	ESTIMF.F4

EDITOR SOURCE FILES CONTAINING GLOBALS

 GLOBAL SOURCE FILES

STARS	GTEDIT.SAI
STARS.	GTEDIT.SAI
START	PICK.MAC
STATYR	STATYR.MAC
STCAT	USECAT.MAC
STCLST	CORREC.F4
STINV	STAT.F4
STOF	STRING.MAC
STOI	STRING.MAC
STRHSE	NLBI4.MAC
STRHST	NLBI4.MAC
STTIME	COMS.SAI
STUSE	CORREC.F4
SUBP	STRING.MAC
SUMMAR	CMASK.R CTYED.R NSEGRD.R PLTCTY.R RDWRSG.R SEGED.R
SUTMF	PROJ.F4
SUTMI	PROJ.F4
SWIDTH	XREAD.MAC
SYMB1	INITAL.FOR
SYMBOL	INITAL.FOR ZETA.MAC
TABSEG	TABM.MAC
TAPPEA	RCROP.MAC TAPE.MAC
TCASE	STATC.MAC
TCLOSE	TID.MAC

EDITOR SOURCE FILES CONTAINING GLOBALS

GLOBAL SOURCE FILES

TCROPS	RCROP.MAC TAPE.MAC
TDIST	STATC.MAC
TENT	USECAT.MAC
TGJFN	GMASKH.MAC TAPE.MAC
TICK	PLTCTY.R PLTSEG.R
TICKAT	PLTCTY.R PLTSEG.R
TINDUS	RCROP.MAC TAPE.MAC
TIRRIG	RCROP.MAC
TMCOD	EMIT.MAC
TNAPPE	TAPE.MAC
TNCROP	TAPE.MAC
TNINDU	RCROP.MAC TAPE.MAC
TNIRRI	RCROP.MAC
TNNAPE	RCROP.MAC
TNNOTE	RCROP.MAC
TNOTES	RCROP.MAC
TOPEN	STR.MAC STRING.MAC TID.MAC
TPOOL	TPOOL.F4
TPSAM	SAMPM.MAC
TRACTS	GTEDIT.SAI
TRANSF	TLOCAL.R
TREAD	TID.MAC
TREE	MILCAP.F4
TRIM	STR.MAC STRING.MAC

EDITOR SOURCE FILES CONTAINING GLOBALS

 GLOBAL SOURCE FILES

TRNBIT	GMASKH. MAC	TAPE. MAC				
TRSIZE	GMASKH. MAC					
TRYCOM	PICK. MAC					
TRYMUL	WINDOW. MAC					
TTYACC	STR. MAC					
TTYREF	STR. MAC					
TTYW1	PICK. MAC					
TTYW2	PICK. MAC					
TTYWID	STR. MAC					
TWRITE	TID. MAC					
TYPE	MASK. MAC	UTIL. MAC				
TYPSTR	CORREM. MAC					
U2G	U2G. F4					
UNCF	PICK. MAC					
UNITS	GMASKH. MAC					
UNPAK	INITAL. FOR					
UNPIK	PICK. MAC					
UNTAB	PICK. MAC					
UNXSG	PICK. MAC					
USEWIN	WINDOW. MAC					
UTAB	PICK. MAC					
UTM	DIGCTY. R	PRECIS. R	PROJ. F4	STRAN. R	TRAN. R	UTM. R
UTM2XY	SPLIT. R					
UTMF	DIGCTY. R	PRECIS. R	PROJ. F4	STRAN. R	TRAN. R	UTM. R

EDITOR SOURCE FILES CONTAINING GLOBALS

 GLOBAL SOURCE FILES

UTMI	DIGCTY.R	PROJ.F4	STRAN.R	TRAN.R	UTM.R
VALLOC	SPLIT.R				
VERDEL	CTYED.R	SEGED.R			
VERINS	CTYED.R	SEGED.R			
VFREE	SPLIT.R				
VIEWCU	CTYED.R				
VIEWFL	SEGED.R				
VINIT	SPLIT.R				
WARNIN	CTYED.R	SEGED.R			
WEIGHT	ESTIMF.F4				
WHERE	INITAL.FOR				
WINM	GMAKSH.MAC				
WINMA	PICK.MAC				
WINMB	PICK.MAC				
WINW	WINDOW.MAC				
WJFN	WINDOW.MAC				
WNAME	STATC.MAC				
WOPEN	RDWR.MAC	RDWRFL.MAC			
WPOLY	SPLIT.R				
WRADJ	DOADJ.MAC				
WRBYTE	RDWR.MAC				
WRCTY	CMASK.R	CTYED.R	PLTCTY.R		
WRITCL	RDWR.MAC	RDWRFL.MAC			
WRITCP	CPEDIT.R	MCPEDT.R			

EDITOR SOURCE FILES CONTAINING GLOBALS

 GLOBAL SOURCE FILES

WRITE4	STAT.F4
WRITEB	STAT.F4
WRITEB	STRING.MAC
WRITED	XREAD.MAC
WRITEF	STRING.MAC
WRITEH	XREAD.MAC
WRITEP	XREAD.MAC
WRITFL	RDWR.MAC RDWRFL.MAC
WRITGT	GTEDIT.SAI
WRITIN	RDWR.MAC RDWRFL.MAC
WRITO	TABM.MAC
WRITSG	CMASK.R MSKGEN.R
WRITST	RDWR.MAC RDWRFL.MAC
WRMAP	MSKGEN.MAC
WRSEG	CATMSK.R NSEGRD.R RDWRSG.R SEGED.R
WRTEST	ESTIMM.MAC
WRTHDR	CMASK.R MSKGEN.R
WRTSEG	CMASK.R MSKGEN.R
XERROR	CTYED.R
XOB2GO	CPEDIT.R
XONOUT	INITAL.FOR
XY2UTM	CMASK.R CTYED.R PLTCTY.R RDWRSG.R SEGED.R SPLIT.R
YORN	FSTR.R
ZETACL	ZETA.MAC

EDITOR SOURCE FILES CONTAINING GLOBALS

GLOBAL SOURCE FILES

ZETAJF	ZETA. MAC
ZETAOP	ZETA. MAC
ZETAOR	ZETA. MAC
ZLINE	ZETA. MAC
ZMAP	MSKGEN. MAC
ZMINMA	ZETA. MAC
ZMOVET	ZETA. MAC
ZRESET	ZETA. MAC
ZTASYM	DSYM. MAC

EDITOR COMMANDS

The following is a list of EDITOR commands and the programs they call. Where no program is shown the command is executed directly in EDITOR itself. Commands are shown only for the main program of EDITOR, the result of compiling EDITOR.MAC, and not for any of the subprograms called by EDITOR.

EDITOR COMMANDS

!CATEGORIZED DATA ANALYSIS FUNCTIONS

2!ADJACENCY MATRIX COMPUTATION.....E/ADJ.SAV
2!AGGREGATION FUNCTIONS
 3!ADD AGGREGATION FILES.....E/AGGADD.SAV
 3!AGGREGATE A CATEGORIZED FILE USING A MASK.....E/AGG.SAV
 3!AGRICULTURAL INDEX COMPUTATION FROM AGGREGATION FILES.....E/AGGINX.SAV
 3!PRINT AN AGGREGATION FILE.....E/DISAGG.SAV
 3!QUIT
2!CHANGE DETECTION BETWEEN CATEGORIZED FILES.....E/DETECT.SAV
2!COUNT CATEGORIZED PIXELS.....E/COUNT.SAV
2!PERCENT CORRECT DETERMINATION.....E/CORREC.SAV
2!RECLUSTER PIXEL EXTRACTION.....E/CLUBUS.SAV
2!RENAME CATEGORIES USING A MASK.....E/TRNWIN.SAV
2!SEGMENT TOTAL FILE PROCESSING.....E/SEGLIN.SAV
2!SMOOTH A CATEGORIZED FILE.....E/RECLAS.SAV
2!THRESHHOLDED PIXEL TABULATION.....E/THRESH.SAV
2!QUIT

!ESTIMATION FUNCTIONS

2!ACCUMULATE ESTIMATES WITH PRORATION.....E/ACCEST.SAV
2!ESTIMATE ACREAGES.....E/ESTIM.SAV
2!STRATA TOTALS PRORATION BY COUNTY.....E/SWISES.SAV

!GROUND TRUTH ANALYSIS FUNCTIONS

2!ARCHIVE SEGMENT DATA.....E/TAPE.SAV
2!COMBINE TABLE FILES.....E/COMTAB.SAV
2!COUNTY CHECK BETWEEN FILES.....E/MCTYNM.SAV
2!DESCRIPTIVE PACKED FILE CREATION FROM RAW DATA WINDOWS.....E/AWIN.SAV
2!FIELD SELECTION FOR ANALYSIS.....D/PICK.SAV
2!FRAME UNIT FILE EDITING.....E/EDUNIT.SAV
2!GROUND TRUTH FILE EDITING AND CREATING.....E/GTEDIT.SAV

2!MASK FILE FUNCTIONS

 3!CATEGORIZED FILE MASKING.....E/CATMSK.SAV
 3!CONVERT A MASK FOR MASKED CLASSIFY OR CATEGORY RENAME.....E/CONMSK.SAV
 3!COUNTY MASK GENERATION.....D/CMASK.SAV
 3!EDIT A MASK FILE.....E/MEDIT.SAV
 3!PIXEL COUNT OF FIELDS IN A MASK.....E/CMASKP.SAV
 3!SEGMENT MASK GENERATION.....D/MSKGEN.SAV
 3!SPLIT MASKS BY FRAMES.....E/MSPLIT.SAV
 3!QUIT

2!MEANS OF FIELDS ANALYSIS.....E/FCLUS.SAV
2!PRORATION UNITS FILE EDITING.....E/PRUNIT.SAV
2!SEGMENT CATALOG EDITING.....E/CATED.SAV
2!SIZE OF SEGMENTS TO A FILE.....E/SEGSZ.SAV
2!SUMMARY OF TRAINING DATA.....E/TRAREP.SAV
2!YIELD TAPE FILE CREATION.....E/YAS.SAV
2!QUIT

!ILLIAC IV ANALYSIS.....E/I4RUN.SAV

!IDENTIFY A FILE.....E/IDENT.SAV

!LOG USAGE

 2!IDENTIFIER
 2!LOG
 2!NO IDENTIFIER
 2!NO LOG

EDITOR COMMANDS

2!NO NUMBER
2!NUMBER
2!QUIT
!PLOT FUNCTIONS
2!COUNT UNIT PLOTS.....PLTCTY.SAV
2!DRIVER FOR PLOTTING.....E/DRIVER.SAV
2!ELLIPSE PLOTS OF STATISTICS FILES.....E/ELLIPSE.SAV
2!MAP GRID OVERLAY PLOTS.....E/PLTMAP.SAV
2!SEGMENT FIELD PLOTS.....E/PLTSEG.SAV
2!QUIT
!PRINT WINDOW FILES.....E/DISPSL.SAV
!RAW DATA ANALYSIS FUNCTIONS
2!CLASSIFY
 NUMBER OF CHANNELS=4
 3!EUCLIDEAN MINIMUM DISTANCE CLASSIFICATION.....E/EUCLID.SAV
 3!GAUSSIAN MAXIMUM LIKELIHOOD CLASSIFICATION.....E/CLAS4.SAV
 3!MASKED CLASSIFICATION (GAUSSIAN METHOD ONLY).....E/MCLASS.SAV
 3!QUIT
 NUMBER OF CHANNELS=5 TO 8 (.....E/CLASX.SAV)
2!CLOUD HAZE AND WATER CHECK OF RAW DATA.....E/XSTAR.SAV
2!CLUSTER
 NUMBER OF CHANNELS=4
 3!MODIFY WINDOW HEADER
 4!ASCII HEADER INFORMATION
 4!DELTA OR SEPARABILITY THRESHOLD
 4!NUMBER OF CATEGORIES REQUIRED
 4!QUIT
 3!ORDINARY CLUSTER.....E/CLUS4.SAV
 3!WEIGHTED CLUSTER.....E/WCLUS4.SAV
 3!QUIT
 NUMBER OF CHANNELS=5 TO 8
 3!CLUSTER.....E/CLUSX.SAV
 3!MODIFY WINDOW HEADER
 4!ASCII HEADER INFORMATION
 4!DELTA OR SEPARABILITY THRESHOLD
 4!NUMBER OF CATEGORIES REQUIRED
 4!QUIT
 3!QUIT
2!CONTAINMENT CHECK OF RAW DATA WINDOW.....D/CHECKP.SAV
2!ENTROPIES OF CATEGORIES.....E/ENTROP.SAV
2!FIELD MEAN COMPUTATION.....FLDMEAN.SAV
2!GRADIENT IMAGE OF A RAW DATA WINDOW.....E/GRADNT.SAV
2!GROUP CATEGORIES AUTOMATICALLY.....E/MILCAP.SAV
2!HISTOGRAM OF WEIGHTED WINDOW FILES.....E/WHIST.SAV
2!KAUTH TRANSFORM OF RAW DATA.....E/KAUTH.SAV
2!MEANS, VARIANCES, AND COVARIANCES OF A WINDOW.....E/ONECAT.SAV
2!MODIFY A WINDOW HEADER
 3!ASCII HEADER INFORMATION
 3!DELTA OR SEPARABILITY THRESHOLD
 3!NUMBER OF CATEGORIES REQUIRED
 3!QUIT
2!PRINCIPAL COMPONENT TRANSFORMATION.....E/PCTRAN.SAV

EDITOR COMMANDS

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2!RANGE CHECK ON PIXEL VALUES.....E/BADPIX.SAV
2!REDUCE 8-CHANNEL DATA TO 4-CHANNEL DATA.....E/8TO4.SAV
2!SMOOTH HISTOGRAMS.....E/HISTSM.SAV
2!SCATTERGRAM PIXEL VALUES.....E/SCAT.SAV
2!STATISTICS FILE EDITING.....E/STATEDIT.SAV
2!WEIGHTED WINDOW FILE CREATION.....E/POINTS.SAV
2!QUIT
!REGISTRATION AND DIGITIZATION FUNCTIONS
2!ADD CONSTANTS TO ROW AND COLUMN VALUES.....FIXC.SAV
2!BUTTON TO MENU MAP FILE CREATION.....E/BUTTON.SAV
2!CONTROL POINT LOCATION AND ANALYSIS.....E/CPEDIT.SAV
2!COUNT UNIT DIGITIZATION.....CTYED.SAV
2!DETERMINE WINDOW CONTAINING COUNTY OR SEGMENT.....E/EXTENT.SAV
2!DRAW SCENE CONTROL POINTS AND SEGMENT REFERENCE POINTS....E/SCENEPLT.SAV
2!FIND A POINT ON A MAP OR SCENE
    3!MAP FIND A POINT ON A MAP.....E/MLOCATE.SAV
    3!SCENE FIND A POINT ON A SCENE.....E/PLOCATE.SAV
    3!SEGMENT MAP INDEX OF A POINT ON A MAP.....E/SINDEX.SAV
    3!QUIT
2!GET WINDOW COORDINATES FROM A MASK FILE.....E/MCOORDS.SAV
2!LOCAL SEGMENT CALIBRATION.....E/TLOCAL.SAV
2!MAP INDEX LISTING.....E/MAPLAT.SAV
2!OVERLAY SCENE TRANSPARENCIES.....E/SOVERLAY.SAV
2!PRECISION REFORMATTING FUNCTIONS
    3!CONTROL POINT GENERATION FOR PRECISION CORRECTION.....E/FAKECP.SAV
    3!PARAMETER FILE CREATION FOR PRECISION CORRECTION.....E/PRECIS.SAV
    3!QUIT
2!SCENE TO SCENE REGISTRATION
    3!BUILD ROW LISTS FOR CORRELATION BLOCKS.....BBLOCK.SAV
    3!COMPUTE WINDOW COORDINATES.....E/MCPWIN.SAV
    3!EDIT AND EVALUATE CORRESPONDING POINTS FILE.....E/MCPEDIT.SAV
    3!EXAMINE CORRELATION OUTPUT.....E/EDITCR.SAV
    3!QUIT
2!SEGMENT DIGITIZATION.....D/SEGED.SAV
2!SHIFT SEGMENTS USING DIGITIZER.....E/SHIFT.SAV
2!SKEW CORRECTION PARAMETER APPROXIMATION.....E/SKEW.SAV
2!SOUTHERN HEMISPHERE CONTROL POINT LOCATION AND ANALYSIS....E/SCPEDIT.SAV
2!SPLIT A SEGMENT NETWORK.....E/SPLIT.SAV
2!TAPE OUTPUT FROM SEGMENT NETWORK FILES.....E/MOSEG.SAV
2!TICK MARK USEAGE TO CREATE CONTROL POINTS.....E/TICK.SAV
2!WINDOW COMPUTATION FUNCTIONS
    3!CALCULATE COORDINATES.....E/BULK.SAV
    3!COMPUTE CONTROL POINT WINDOWS FOR NON-DESKEWED IMAGE.....FBLOCK.SAV
    3!CONTROL POINT WINDOW COMPUTATION.....E/CP2WIN.SAV
    3!MAP DIGITIZATION TO SPECIFY WINDOWS.....D/GETWIN.SAV
    3!SEGMENT WINDOW COMPUTATION.....E/SEGWIN.SAV
    3!QUIT
    2!QUIT
!RESUME AN INTERRUPTED SUBPROGRAM
!SUBWINDOW OF WINDOW FILES.....E/SUBWIN.SAV
!TAPE READING TO CREATE WINDOW FILES
    2!BLOCK CORRELATION MODE

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EDITOR COMMANDS

2!CHECK FOR TAPE ERRORS
2!CORRELATION BLOCKS READ FROM TAPE.....E/GBLOCK.SAV
2!DESTROY COORDINATE LIST
2!DELETE COORDINATES
2!DENSITY (SET TAPE DENSITY)
2!IDENTIFY TAPE FILE
2!IGNORE TAPE ERRORS
2!INSERT COORDINATES
2!MOVE TAPE TO SPECIFIED FILE
2!NINE TRACK TAPE
2!NORMAL MODE
2!PRINT ALL COORDINATES
2!REDUCE 8-CHANNEL DATA TO 4-CHANNEL DATA WHILE READING TAPE
2!RENAME COORDINATES
2!SAMPLE TAPE DATA
2!SAVE COORDINATES IN A FILE
2!SEVEN TRACK TAPE
2!WRITE TO WINDOW FILE ON DISK FROM TAPE
2!QUIT
!TIME AND DATE (DISPLAY CURRENT TIME AND DATE)
!USER SUPPLIED COMMANDS
!UTILITY ROUTINES
 2!ARCHIVE GENERAL FILES.....E/TPCOPY.SAV
 2!CALCULATOR.....E/CALC.SAV
 2!COMPARE TWO FILES.....E/FILCMP.SAV
 2!EBCDIC TAPE TO ASCII DISK FILE READING.....E/TAPDSK.SAV
 2!EVALUATE PROBABILITY DISTRIBUTION FUNCTION.....E/DIST.SAV
 2!FILLER SIZE DETERMINATION ON RAW DATA TAPES.....E/EFILL.SAV
 2!MAP CATALOG EDITING.....E/MAPCAT.SAV
 2!MULTINAME FILE FUNCTIONS.....E/NEWDIR.SAV
 2!PARTS OF A FILE COMBINING AND EXTRACTION.....E/PART.SAV
 2!PATCH A FILE.....E/PATCH.SAV
 2!RENAME MANY FILES.....E/RENAME.SAV
 2!TAPE DUMP.....E/TDUMP.SAV
 2!TRIM TRAILING BLANKS FROM A FILE.....E/TRIM.SAV
 2!QUIT
!QUIT

ILLIAC-IV PROGRAMS

The ILLIAC-IV programs each consist of one source file. When loading them using LINKED no other files are mentioned explicitly. However, some standard system I/O routines are automatically loaded by LINKED. The ILLIAC-IV program source files may be found in directory <ERTS> at I4-TENEX. The ILLIAC-IV programs are written in two languages, ASK and GLYPNIR. ASK is an assembly language and GLYPNIR is an ALGOL-like language. Compilers for both languages are available on the B6700 at the ILLIAC-IV facility at NASA-AMES. ASK programs have file names with a suffix of ASK and GLYPNIR programs have file names with a suffix of GLYP.

ILLIAC-IV PROGRAMS

SOURCE FILE PROGRAM

AGGREGATE.GLYP ordinary (old) aggregation

CLASS.ASK 4-channel maximum-likelihood classify

CLASSX.ASK 5 to 8-channel maximum-likelihood classify

CLUSTER.ASK 4-channel cluster

CLUSTERX.ASK 5 to 8-channel cluster

EUCLID.ASK minimum Euclidean distance classify (4-channel only)

FASTAGG.GLYP fast (newer) aggregation

GCORR.ASK block correlation using gradient method

MCLASS.ASK masked classify (maximum-likelihood, 4-channel only)

WCLUS.ASK weighted cluster (4-channel only)