



```

FFFFFFFFF 000000 RRRRRRRR IIIIII 000000 SSSSSSSS DDDDDDDD EEEEEEEEE FFFFFFFF
FFFFFFFFF 000000 RRRRRRRR IIIIII 000000 SSSSSSSS DDDDDDDD EEEEEEEEE FFFFFFFF
FF         00      00 RR      RR   II      00      00 SS      DD      DD EE      FF
FF         00      00 RR      RR   II      00      00 SS      DD      DD EE      FF
FF         00      00 RR      RR   II      00      00 SS      DD      DD EE      FF
FF         00      00 RR      RR   II      00      00 SS      DD      DD EE      FF
FFFFFFFFF 00      00 RRRRRRRR III      00      00 SSSSSS DD      DD EEEEEEEE FFFFFFFF
FFFFFFFFF 00      00 RRRRRRRR III      00      00 SSSSSS DD      DD EEEEEEEE FFFFFFFF
FF         00      00 RR      RR   II      00      00 SS      DD      DD EE      FF
FF         00      00 RR      RR   II      00      00 SS      DD      DD EE      FF
FF         00      00 RR      RR   II      00      00 SS      DD      DD EE      FF
FF         00      00 RR      RR   II      00      00 SS      DD      DD EE      FF
FF         00      00 RR      RR   II      00      00 SS      DD      DD EE      FF
FF         000000 RR      RR   IIIIII 000000 SSSSSSS DDDDDDDD EEEEEEEEE FFFFFFFF
FF         000000 RR      RR   IIIIII 000000 SSSSSSS DDDDDDDD EEEEEEEEE FFFFFFFF

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SSSSSSSS DDDDDDDD LL
SSSSSSSS DDDDDDDD LL
SS        DD      DD LL
SS        DD      DD LL
SS        DD      DD LL
SS        DD      DD LL
SSSSSS   DD      DD LL
SSSSSS   DD      DD LL
SS        DD      DD LL
SS        DD      DD LL
SS        DD      DD LL
SS        DD      DD LL
SSSSSSSS DDDDDDDD LLLLLLLLLL
SSSSSSSS DDDDDDDD LLLLLLLLLL

```

```
{ FORIOSDEF.SDL - Define FOR$IOS_ constant values
{ Edit: SBL2001
{
```

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{ 2-001 - Converted from FORIOSDEF.FOR into SDL. SBL 23-AUG-1982
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```
MODULE $FORIOSDEF;
```

```
/*
/* Define FORTRAN error numbers for use with IOSTAT and ERRSNS
/*
```

```
CONSTANT NOTFORSPE EQUALS 1 PREFIX FOR TAG $IOS; /* not a FORTRAN specific error
/* ERRSNS only - IOSTAT can not
/* return this value.

CONSTANT SYNERRNAM EQUALS 17 PREFIX FOR TAG $IOS; /* syntax error in NAMELIST input
CONSTANT TOOMANVAL EQUALS 18 PREFIX FOR TAG $IOS; /* too many values for NAMELIST variable
CONSTANT INVREFVAR EQUALS 19 PREFIX FOR TAG $IOS; /* invalid reference to variable
CONSTANT REWERR EQUALS 20 PREFIX FOR TAG $IOS; /* REWIND error
CONSTANT DUPFILSPE EQUALS 21 PREFIX FOR TAG $IOS; /* duplicate file specifications
CONSTANT INPRECTOO EQUALS 22 PREFIX FOR TAG $IOS; /* input record too long
CONSTANT BACERR EQUALS 23 PREFIX FOR TAG $IOS; /* BACKSPACE error
CONSTANT ENDDURREA EQUALS 24 PREFIX FOR TAG $IOS; /* end-of-file during read
/* (ERRSNS only - IOSTAT returns
/* a negative value for this error)
CONSTANT RECNUMOUT EQUALS 25 PREFIX FOR TAG $IOS; /* record number outside range
CONSTANT OPEDEFREQ EQUALS 26 PREFIX FOR TAG $IOS; /* OPEN or DEFINE FILE required
CONSTANT TOOMANREC EQUALS 27 PREFIX FOR TAG $IOS; /* too many records in I/O statement
CONSTANT CLOERR EQUALS 28 PREFIX FOR TAG $IOS; /* CLOSE error
CONSTANT FILNOTFOU EQUALS 29 PREFIX FOR TAG $IOS; /* file not found

CONSTANT OPEFAI EQUALS 30 PREFIX FOR TAG $IOS; /* open failure
CONSTANT MIXFILACC EQUALS 31 PREFIX FOR TAG $IOS; /* mixed file access modes
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CONSTANT INVLOGUNI EQUALS 32 PREFIX FOR TAG $IOS; /* invalid logical unit number
CONSTANT ENDFILERR EQUALS 33 PREFIX FOR TAG $IOS; /* ENDFILE error
CONSTANT UNIALROPE EQUALS 34 PREFIX FOR TAG $IOS; /* unit already open
CONSTANT SEGRCFOR EQUALS 35 PREFIX FOR TAG $IOS; /* segmented record format error
CONSTANT ATTACNON EQUALS 36 PREFIX FOR TAG $IOS; /* attempt to access non-existent record
CONSTANT INCRECLEN EQUALS 37 PREFIX FOR TAG $IOS; /* inconsistent record length
CONSTANT ERRDURWRI EQUALS 38 PREFIX FOR TAG $IOS; /* error during write
CONSTANT ERRDURREA EQUALS 39 PREFIX FOR TAG $IOS; /* error during read

CONSTANT RECIO OPE EQUALS 40 PREFIX FOR TAG $IOS; /* recursive I/O operation
CONSTANT INSVIRMEM EQUALS 41 PREFIX FOR TAG $IOS; /* insufficient virtual memory
CONSTANT NO_SUCDEV EQUALS 42 PREFIX FOR TAG $IOS; /* no such device
CONSTANT FICNAMSPE EQUALS 43 PREFIX FOR TAG $IOS; /* file name specification error
CONSTANT INCRECTYP EQUALS 44 PREFIX FOR TAG $IOS; /* inconsistent record type
CONSTANT KEYVALERR EQUALS 45 PREFIX FOR TAG $IOS; /* keyword value error in OPEN statement
CONSTANT INCOPECLO EQUALS 46 PREFIX FOR TAG $IOS; /* inconsistent OPEN/CLOSE parameters
CONSTANT WRIREAFIL EQUALS 47 PREFIX FOR TAG $IOS; /* write to READONLY file
CONSTANT INVARGFOR EQUALS 48 PREFIX FOR TAG $IOS; /* invalid argument to FORTRAN Run-Time Library

CONSTANT INVKEYSPE EQUALS 49 PREFIX FOR TAG $IOS; /* invalid key specification
CONSTANT INCKEYCHG EQUALS 50 PREFIX FOR TAG $IOS; /* inconsistent key change or duplicate key
CONSTANT INCFILORG EQUALS 51 PREFIX FOR TAG $IOS; /* inconsistent file organization
CONSTANT SPERECLOC EQUALS 52 PREFIX FOR TAG $IOS; /* specified record locked
CONSTANT NO_CURREC EQUALS 53 PREFIX FOR TAG $IOS; /* no current record
CONSTANT REWRITERR EQUALS 54 PREFIX FOR TAG $IOS; /* REWRITE error
CONSTANT DELERR EQUALS 55 PREFIX FOR TAG $IOS; /* DELETE error
CONSTANT UNLERR EQUALS 56 PREFIX FOR TAG $IOS; /* UNLOCK error
CONSTANT FINERR EQUALS 57 PREFIX FOR TAG $IOS; /* FIND error

CONSTANT LISIO SYN EQUALS 59 PREFIX FOR TAG $IOS; /* list-directed I/O syntax error
CONSTANT INFFORLOO EQUALS 60 PREFIX FOR TAG $IOS; /* infinite format loop
CONSTANT FORVARMIS EQUALS 61 PREFIX FOR TAG $IOS; /* format/variable-type mismatch
CONSTANT SYNERRFOR EQUALS 62 PREFIX FOR TAG $IOS; /* syntax error in format
CONSTANT OUTCONERR EQUALS 63 PREFIX FOR TAG $IOS; /* output conversion error
CONSTANT INPCONERR EQUALS 64 PREFIX FOR TAG $IOS; /* input conversion error
CONSTANT OUTSTAOVE EQUALS 66 PREFIX FOR TAG $IOS; /* output statement overflows record
CONSTANT INPSTAREQ EQUALS 67 PREFIX FOR TAG $IOS; /* input statement requires too much data
CONSTANT VFEVALERR EQUALS 68 PREFIX FOR TAG $IOS; /* variable format expression value error

/* Error numbers 70-77 refer to hardware exceptions and are
/* not returned by IOSTAT.

CONSTANT INTOVF EQUALS 70 PREFIX FOR TAG $IOS; /* integer overflow
CONSTANT INTDIV EQUALS 71 PREFIX FOR TAG $IOS; /* integer divide by zero
CONSTANT FLTTOVF EQUALS 72 PREFIX FOR TAG $IOS; /* floating overflow
CONSTANT FLTDIV EQUALS 73 PREFIX FOR TAG $IOS; /* floating/decimal divide by zero
CONSTANT FLTUND EQUALS 74 PREFIX FOR TAG $IOS; /* floating underflow
CONSTANT SUBRNG EQUALS 77 PREFIX FOR TAG $IOS; /* subscript out of range

/* Error numbers 80-89 refer to Math Library reported errors and
/* are not returned by IOSTAT.

CONSTANT WRONUMARG EQUALS 80 PREFIX FOR TAG $IOS; /* wrong number of arguments
CONSTANT INVARGMAT EQUALS 81 PREFIX FOR TAG $IOS; /* invalid argument to math library
CONSTANT UNDEXP EQUALS 82 PREFIX FOR TAG $IOS; /* undefined exponentiation
CONSTANT LOGZERNEG EQUALS 83 PREFIX FOR TAG $IOS; /* logarithm of zero or negative value

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CONSTANT SQUROONEG EQUALS 84 PREFIX FOR TAG $IOS; /* square root of negative value
CONSTANT SIGLOSMAT EQUALS 87 PREFIX FOR TAG $IOS; /* significance lost in math library
CONSTANT FLOOVEMAT EQUALS 88 PREFIX FOR TAG $IOS; /* floating overflow in math library
CONSTANT FLOUNDMAT EQUALS 89 PREFIX FOR TAG $IOS; /* floating underflow in math library
CONSTANT ADJARRDIM EQUALS 93 PREFIX FOR TAG $IOS; /* adjustable array dimension error
```

```
/*
/*      End of FORIOSDEF.FOR
/*
END_MODULE $FORIOSDEF;
```

