J E S 2 J O B L O G

```
17.42.04 JOB  137  IEF677I WARNING MESSAGE(S) FOR JOB VSTESTR4 ISSUED
17.42.04 JOB  137  $HASP373 VSTESTR4 STARTED - INIT  1 - CLASS A - SYS HMVS
17.42.04 JOB  137  IEF403I VSTESTR4 - STARTED - TIME=17.42.04
17.42.04 JOB  137  IEC130I SYSPUNCH DD STATEMENT MISSING
17.42.04 JOB  137  IEC130I SYSPUNCH DD STATEMENT MISSING
17.42.04 JOB  137  CCI001C COB     /IKFCBL00/00:00:00.06/        /00000/1       /VSTESTR4
17.42.04 JOB  137  CCI001C LKED    /IEWL    /00:00:00.02/        /00000/1       /VSTESTR4
17.42.04 JOB  137  CCI001C GO      /PGM=*.DD/00:00:00.03/        /00000/1       /VSTESTR4
17.42.04 JOB  137  IEF404I VSTESTR4 - ENDED - TIME=17.42.04
17.42.04 JOB  137  $HASP395 VSTESTR4 ENDED


------ JES2 JOB STATISTICS ------


 07 JUL 20 JOB EXECUTION DATE


        18 CARDS READ


       532 SYSOUT PRINT RECORDS


         0 SYSOUT PUNCH RECORDS


      0.00 MINUTES EXECUTION TIME
```

```
 1     //VSTESTR4 JOB 1,'VSAMIO IVP RRDSLODR ',CLASS=A,MSGCLASS=X,             JOB  137
       //            REGION=4096K
       ***
       ********************************************************************
       *** COBOL MODULE: RRDSLODR     VSAM DATASET: VSTESTRR.CLUSTER (RRDS)
       ***
       *** RANDOMLY LOADS RECORDS LEAVING EMPTY "DUMMY" RECORD SLOTS
       ********************************************************************
       ***
 2     //COB     EXEC COBUCLG,REGION.GO=1024K,CPARM1='LOAD,LIB,DMAP'
 3     XXCOBUCLG PROC CPARM1='LOAD,SUPMAP',                               100010000
       XX             CPARM2='SIZE=2048K,BUF=1024K'                        00020000
 4     XXCOB  EXEC  PGM=IKFCBL00,REGION=4096K,                             00040001
       XX           PARM='&CPARM1,&CPARM2'                                 00050001
 5     XXSTEPLIB  DD DSN=SYSC.LINKLIB,DISP=SHR                             00051001
 6     XXSYSPRINT  DD SYSOUT=*                                             00060000
 7     XXSYSUT1 DD UNIT=SYSDA,SPACE=(460,(700,100))                        00070000
 8     XXSYSUT2 DD UNIT=SYSDA,SPACE=(460,(700,100))                        00080000
 9     XXSYSUT3 DD UNIT=SYSDA,SPACE=(460,(700,100))                        00090000
10     XXSYSUT4 DD UNIT=SYSDA,SPACE=(460,(700,100))                        00100000
11     XXSYSLIN DD DSN=&LOADSET,DISP=(MOD,PASS),UNIT=SYSDA,                00110000
       XX             SPACE=(80,(500,100))                                 00120000
12     //COB.SYSLIB DD DSN=SYSC.VSAMIO.SOURCE,DISP=SHR
13     //COB.SYSIN DD DSN=SYSC.VSAMIO.SOURCE(RRDSLODR),DISP=SHR
14     XXLKED EXEC PGM=IEWL,PARM='LIST,XREF,LET',COND=(5,LT,COB),REGION=96K 00130000
15     XXSYSLIN  DD DSN=&LOADSET,DISP=(OLD,DELETE)                         00140000
16     XX  DD  DDNAME=SYSIN                                                00150000
17     XXSYSLMOD DD DSN=&GODATA(RUN),DISP=(NEW,PASS),UNIT=SYSDA,           00160000
       XX             SPACE=(1024,(50,20,1))                               00170000
18     //LKED.SYSLIB DD
       X/SYSLIB DD   DSN=SYSC.COBLIB,DISP=SHR                              00180000
19     //         DD  DSN=SYSC.LINKLIB,DISP=SHR
20     XXSYSUT1 DD UNIT=SYSDA,SPACE=(1024,(50,20))                         00190000
21     XXSYSPRINT DD SYSOUT=*                                              00200000
22     XXGO  EXEC PGM=*.LKED.SYSLMOD,COND=((5,LT,COB),(5,LT,LKED))         00210000
23     //GO.SYSOUT DD SYSOUT=*
24     //GO.IMAGES DD DSN=PUB001.VSAMTEST.DATA,DISP=SHR
25     //GO.SYSUDUMP DD SYSOUT=*
26     //GO.RRDSF01 DD DSN=PUB001.VSTESTRR.CLUSTER,DISP=OLD
```

```
 STMT NO. MESSAGE
-
    4     IEF653I SUBSTITUTION JCL - PARM='LOAD,LIB,DMAP,SIZE=2048K,BUF=1024K'
   22     IEF686I DDNAME REFERRED TO ON DDNAME KEYWORD IN PRIOR STEP WAS NOT RESOLVED
IEF236I ALLOC. FOR VSTESTR4 COB COB
IEF237I 253  ALLOCATED TO STEPLIB
IEF237I 253  ALLOCATED TO SYS00263
IEF237I JES2 ALLOCATED TO SYSPRINT
IEF237I 380  ALLOCATED TO SYSUT1
IEF237I 251  ALLOCATED TO SYSUT2
IEF237I 370  ALLOCATED TO SYSUT3
IEF237I 252  ALLOCATED TO SYSUT4
IEF237I 370  ALLOCATED TO SYSLIN
IEF237I 253  ALLOCATED TO SYSLIB
IEF237I 253  ALLOCATED TO SYSIN
IEC130I SYSPUNCH DD STATEMENT MISSING
IEC130I SYSPUNCH DD STATEMENT MISSING
IEF142I VSTESTR4 COB COB - STEP WAS EXECUTED - COND CODE 0000
IEF285I   SYSC.LINKLIB                                KEPT          *--------0
IEF285I   VOL SER NOS= SYSCPK.
IEF285I   UCSYSCPK                                    KEPT          *--------0
IEF285I   VOL SER NOS= SYSCPK.
IEF285I   JES2.JOB00137.SO0101                        SYSOUT
IEF285I   SYS20189.T174204.RA000.VSTESTR4.R0000001    DELETED       *--------6
IEF285I   VOL SER NOS= MVS380.
IEF285I   SYS20189.T174204.RA000.VSTESTR4.R0000002    DELETED       *--------6
IEF285I   VOL SER NOS= WORK00.
IEF285I   SYS20189.T174204.RA000.VSTESTR4.R0000003    DELETED       *--------9
IEF285I   VOL SER NOS= MVS370.
IEF285I   SYS20189.T174204.RA000.VSTESTR4.R0000004    DELETED       *--------6
IEF285I   VOL SER NOS= WORK01.
IEF285I   SYS20189.T174204.RA000.VSTESTR4.LOADSET     PASSED        *-------68
IEF285I   VOL SER NOS= MVS370.
IEF285I   SYSC.VSAMIO.SOURCE                          KEPT          *--------6
IEF285I   VOL SER NOS= SYSCPK.
IEF285I   SYSC.VSAMIO.SOURCE                          KEPT          *--------3
IEF285I   VOL SER NOS= SYSCPK.
IEF373I STEP /COB     / START 20189.1742
IEF374I STEP /COB     / STOP  20189.1742 CPU    0MIN 00.06SEC SRB    0MIN 00.02SEC VIRT  2076K SYS   216K
**** JOBCARD READ 20189 17:42:04 ************************************************************************************
*                                      PRC-CCI  370/148 VS2 R03.8  HMVS  STEP STATISTICS                              *
*  STEP NAME  COB         USER CORE        2076K   TAPES USED/IO 000/000000000   START   TIME  17:42:04    TCB TIME  00:00:00.06  *
*  PGM  NAME  IKFCBL00    SYSTEM CORE       216K   DISKS USED/IO 005/000000104   STOP    TIME  17:42:04    SRB TIME  00:00:00.02  *
*   COND CODE    0000     PRIVATE AREA SZ   4096K       ALLOC TIME  17:42:04      ELAPSED TIME                PGM LOAD  17:42:04   *
** PGNO * NR SRV UNITS * ACTIVE TIME ** PAGES IN *** PAGES OUT ** # SWAPS * PGS SWAP IN * PGS SWAP OUT * VIO PGS IN * VIO PGS OUT **
*   004           611   00:00:00.09           0              0          0             0              0             0            0  *
************************************************************************************************************************
*  CPU $ (     0.02) + EXCP $ (     0.14) + MEMORY $ (     0.35) = TOTAL $ (     0.51)                                 *
************************************************************************************************************************
IEF236I ALLOC. FOR VSTESTR4 LKED COB
IEF237I 370  ALLOCATED TO SYSLIN
IEF237I DMY  ALLOCATED TO
IEF237I 380  ALLOCATED TO SYSLMOD
IEF237I 253  ALLOCATED TO SYSLIB
IEF237I 253  ALLOCATED TO
IEF237I 253  ALLOCATED TO SYS00265
IEF237I 251  ALLOCATED TO SYSUT1
IEF237I JES2 ALLOCATED TO SYSPRINT
IEF142I VSTESTR4 LKED COB - STEP WAS EXECUTED - COND CODE 0000
IEF285I   SYS20189.T174204.RA000.VSTESTR4.LOADSET     DELETED       *-------69
IEF285I   VOL SER NOS= MVS370.
```

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IEF285I   SYS20189.T174204.RA000.VSTESTR4.GODATA       PASSED         *-------12
IEF285I   VOL SER NOS= MVS380.
IEF285I   SYSC.COBLIB                                  KEPT           *-------27
IEF285I   VOL SER NOS= SYSCPK.
IEF285I   SYSC.LINKLIB                                 KEPT           *--------0
IEF285I   VOL SER NOS= SYSCPK.
IEF285I   UCSYSCPK                                     KEPT           *--------0
IEF285I   VOL SER NOS= SYSCPK.
IEF285I   SYS20189.T174204.RA000.VSTESTR4.R0000005     DELETED        *--------0
IEF285I   VOL SER NOS= WORK00.
IEF285I   JES2.JOB00137.SO0102                         SYSOUT
IEF373I STEP /LKED    / START 20189.1742
IEF374I STEP /LKED    / STOP  20189.1742 CPU    0MIN 00.02SEC SRB    0MIN 00.00SEC VIRT   260K SYS   208K
********************************************************************************************************************************
*                                        PRC-CCI  370/148 VS2 R03.8  HMVS  STEP STATISTICS                                       *
*  STEP NAME  LKED        USER CORE          260K   TAPES USED/IO 000/000000000   START   TIME  17:42:04    TCB TIME  00:00:00.02  *
*  PGM  NAME  IEWL        SYSTEM CORE        208K   DISKS USED/IO 004/000000108   STOP    TIME  17:42:04    SRB TIME  00:00:00.00  *
*   COND CODE    0000     PRIVATE AREA SZ   4096K       ALLOC TIME  17:42:04      ELAPSED TIME                PGM LOAD  17:42:04   *
** PGNO * NR SRV UNITS * ACTIVE TIME ** PAGES IN *** PAGES OUT ** # SWAPS * PGS SWAP IN * PGS SWAP OUT * VIO PGS IN * VIO PGS OUT **
*   004           573   00:00:00.02            0             0        0             0             0             0             0  *
********************************************************************************************************************************
*  CPU $ (     0.00) + EXCP $ (     0.14) + MEMORY $ (     0.01) = TOTAL $ (     0.15)                                          *
********************************************************************************************************************************
IEF236I ALLOC. FOR VSTESTR4 GO COB
IEF237I 380  ALLOCATED TO PGM=*.DD
IEF237I JES2 ALLOCATED TO SYSOUT
IEF237I 190  ALLOCATED TO IMAGES
IEF237I 190  ALLOCATED TO SYS00267
IEF237I JES2 ALLOCATED TO SYSUDUMP
IEF237I 190  ALLOCATED TO RRDSF01
IEF142I VSTESTR4 GO COB - STEP WAS EXECUTED - COND CODE 0000
IEF285I   SYS20189.T174204.RA000.VSTESTR4.GODATA       KEPT           *--------0
IEF285I   VOL SER NOS= MVS380.
IEF285I   JES2.JOB00137.SO0103                         SYSOUT
IEF285I   PUB001.VSAMTEST.DATA                         KEPT           *-------11
IEF285I   VOL SER NOS= PUB001.
IEF285I   UCPUB001                                     KEPT           *--------0
IEF285I   VOL SER NOS= PUB001.
IEF285I   JES2.JOB00137.SO0104                         SYSOUT
IEF285I   PUB001.VSTESTRR.CLUSTER                      KEPT           *------204
IEF285I   VOL SER NOS= PUB001.
IEF373I STEP /GO      / START 20189.1742
IEF374I STEP /GO      / STOP  20189.1742 CPU    0MIN 00.03SEC SRB    0MIN 00.00SEC VIRT    64K SYS   216K
********************************************************************************************************************************
*                                        PRC-CCI  370/148 VS2 R03.8  HMVS  STEP STATISTICS                                       *
*  STEP NAME  GO          USER CORE           64K   TAPES USED/IO 000/000000000   START   TIME  17:42:04    TCB TIME  00:00:00.03  *
*  PGM  NAME  PGM=*.DD    SYSTEM CORE        216K   DISKS USED/IO 002/000000215   STOP    TIME  17:42:04    SRB TIME  00:00:00.00  *
*   COND CODE    0000     PRIVATE AREA SZ   4096K       ALLOC TIME  17:42:04      ELAPSED TIME                PGM LOAD  17:42:04   *
** PGNO * NR SRV UNITS * ACTIVE TIME ** PAGES IN *** PAGES OUT ** # SWAPS * PGS SWAP IN * PGS SWAP OUT * VIO PGS IN * VIO PGS OUT **
*   004          1107   00:00:00.03            0             0        0             0             0             0             0  *
********************************************************************************************************************************
*  CPU $ (     0.01) + EXCP $ (     0.29) + MEMORY $ (     0.00) = TOTAL $ (     0.30)                                          *
********************************************************************************************************************************
IEF237I 380  ALLOCATED TO SYS00001
IEF285I   SYS20189.T174204.RA000.VSTESTR4.R0000001     KEPT           *--------0
IEF285I   VOL SER NOS= MVS380.
IEF285I   SYS20189.T174204.RA000.VSTESTR4.GODATA       DELETED
IEF285I   VOL SER NOS= MVS380.
IEF375I  JOB /VSTESTR4/ START 20189.1742
IEF376I  JOB /VSTESTR4/ STOP  20189.1742 CPU    0MIN 00.11SEC SRB    0MIN 00.02SEC
```

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00001   000100 IDENTIFICATION DIVISION.                                  29180000
00002   000200 PROGRAM-ID. RRDSLODR.                                     29190000
00003   000300 AUTHOR. JAY MOSELEY.                                      29200000
00004   000400 DATE-WRITTEN. NOVEMBER, 2001.                             29210000
00005   000500 DATE-COMPILED. JUL  7,1920.                               29220000
00006   001400 ENVIRONMENT DIVISION.                                     29310000
00007   001500 CONFIGURATION SECTION.                                    29320000
00008   001600 SOURCE-COMPUTER. IBM-370.                                 29330000
00009   001700 OBJECT-COMPUTER. IBM-370.                                 29340000
00010   001800                                                           29350000
00011   001900 INPUT-OUTPUT SECTION.                                     29360000
00012   002000 FILE-CONTROL.                                             29370000
00013   002100                                                           29380000
00014   002200     SELECT RECORD-IMAGES                                  29390000
00015   002300         ASSIGN TO DA-2314-S-IMAGES.                       29400000
00016   002400                                                           29410000
00017   002500 DATA DIVISION.                                            29420000
00018   002600 FILE SECTION.                                             29430000
00019   002700 FD  RECORD-IMAGES                                         29440000
00020   002800     LABEL RECORDS ARE STANDARD                            29450000
00021   002900     BLOCK CONTAINS 10 RECORDS                             29460000
00022   003000     DATA RECORD IS RECORD-IMAGE.                          29470000
00023   003100                                                           29480000
00024   003200 01  RECORD-IMAGE                PIC X(80).               29490000
00025   003300                                                           29500000
00026   003400 WORKING-STORAGE SECTION.                                  29510000
00027   003500 77  END-OF-FILE-SWITCH          PIC X(1)    VALUE 'N'.   29520000
00028   003600     88  END-OF-FILE                          VALUE 'Y'.   29530000
00029   003700                                                           29540000
00030   003800 77  RECORD-COUNTER              PIC S9(8)   VALUE +0.    29550000
00031   003900 77  COUNTER-EDIT                PIC  ZZ,ZZZ,ZZ9.         29560000
00032   004000                                                           29570000
00033   004100 01  VSIO-PARAMETER-VALUES       COPY VSAMIO.             29580000
00034 C 000100* ************************************************************06980000
00035 C 000200*                                                          *06990000
00036 C 000300*        VV   VV  SSSSS     A    M     M  IIII    OOOOO    *07000000
00037 C 000400*        VV   VV SS   SS   AAA   MM   MM   II    OO   OO    *07010000
00038 C 000500*        VV   VV SS        AA AA  MMM MMM   II    OO   OO    *07020000
00039 C 000600*        VV   VV  SSSSS  AA   AA MMMMMMM   II    OO   OO    *07030000
00040 C 000700*        VV   VV      SS AA   AA MM M MM   II    OO   OO    *07040000
00041 C 000800*         VV VV  SS   SS AAAAAAA MM   MM   II    OO   OO    *07050000
00042 C 000900*          VVV   SS   SS AA   AA MM   MM   II    OO   OO    *07060000
00043 C 001000*           V     SSSSS  AA   AA MM   MM  IIII    OOOOO    *07070000
00044 C 001100*                                                          *07080000
00045 C 001200* ************************************************************07090000
00046 C 001300*                                                          *07100000
00047 C 001400* THESE PARAMETERS ARE USED TO INTERFACE WITH THE VSAM DATASET   *07110000
00048 C 001500* ACCESS ROUTINE.                                          *07120000
00049 C 001600*                                                          *07130000
00050 C 001700* THE VSIO-PARAMETER-VALUES SUPPLY THE VALUES USED TO MOVE INTO  *07140000
00051 C 001800* PARAMETER ENTRIES TO TAILOR THE ROUTINE TO A SPECIFIC DATASET  *07150000
00052 C 001900* AND TO PROVIDE COMMANDS TO DRIVE THE ROUTINE.              *07160000
00053 C 002000* ************************************************************07170000
00054 C 002100 01  VSIO-PARAMETER-VALUES.                                 07180000
```

```
00055 C 002200     02  VSIO-OPEN                PIC  X(08)  VALUE 'OPEN    '.    07190000
00056 C 002300     02  VSIO-CLOSE               PIC  X(08)  VALUE 'CLOSE   '.    07200000
00057 C 002400     02  VSIO-READ                PIC  X(08)  VALUE 'READ    '.    07210000
00058 C 002500     02  VSIO-WRITE               PIC  X(08)  VALUE 'WRITE   '.    07220000
00059 C 002600     02  VSIO-REWRITE             PIC  X(08)  VALUE 'REWRITE '.    07230000
00060 C 002700     02  VSIO-DELETE              PIC  X(08)  VALUE 'DELETE  '.    07240000
00061 C 002800     02  VSIO-START-KEY-EQUAL     PIC  X(08)  VALUE 'STARTEQ '.    07250000
00062 C 002900     02  VSIO-START-KEY-NOTLESS   PIC  X(08)  VALUE 'STARTGE '.    07260000
00063 C 003000     02  VSIO-KSDS                PIC  X(04)  VALUE 'KSDS'.        07270000
00064 C 003100     02  VSIO-ESDS                PIC  X(04)  VALUE 'ESDS'.        07280000
00065 C 003200     02  VSIO-RRDS                PIC  X(04)  VALUE 'RRDS'.        07290000
00066 C 003300     02  VSIO-SEQUENTIAL          PIC  X(10)  VALUE 'SEQUENTIAL'.  07300000
00067 C 003400     02  VSIO-DIRECT              PIC  X(10)  VALUE 'DIRECT    '.  07310000
00068 C 003500     02  VSIO-DYNAMIC             PIC  X(10)  VALUE 'DYNAMIC   '.  07320000
00069 C 003600     02  VSIO-INPUT               PIC  X(06)  VALUE 'INPUT '.      07330000
00070 C 003700     02  VSIO-OUTPUT              PIC  X(06)  VALUE 'OUTPUT'.      07340000
00071 C 003800     02  VSIO-INPUT-OUTPUT        PIC  X(06)  VALUE 'UPDATE'.      07350000
00072 C 003900                                                                   07360000
00073 C 004000* ************************************************************ *07370000
00074 C 004100* THE VSIO-PARAMETER-BLOCK IS THE COMMUNICATION INTERFACE TO     *07380000
00075 C 004200* THE ROUTINE.                                                  *07390000
00076 C 004300* ************************************************************ *07400000
00077 C 004400 01  VSIO-PARAMETER-BLOCK.                                        07410000
00078 C 004500     02  VSIO-COMMAND             PIC  X(08).                    07420000
00079 C 004600     02  VSIO-RETURN-CODE         PIC S9(04)  COMP.              07430000
00080 C 004700         88  VSIO-SUCCESS                    VALUE +0.          07440000
00081 C 004800         88  VSIO-LOGIC-ERROR                VALUE +8.          07450000
00082 C 004900         88  VSIO-END-OF-FILE                VALUE +9999.       07460000
00083 C 005000         88  VSIO-PARAMETER-ERROR            VALUE +20 THRU +28. 07470000
00084 C 005100         88  VSIO-COMMAND-UNKNOWN            VALUE +20.         07480000
00085 C 005200         88  VSIO-DATASET-ALREADY-OPEN       VALUE +21.         07490000
00086 C 005300         88  VSIO-DATASET-NOT-OPEN           VALUE +22.         07500000
00087 C 005400         88  VSIO-ORGANIZATION-KEYWORD       VALUE +23.         07510000
00088 C 005500         88  VSIO-ACCESS-KEYWORD             VALUE +24.         07520000
00089 C 005600         88  VSIO-ACCESS-UNSUPPORTED         VALUE +25.         07530000
00090 C 005700         88  VSIO-MODE-KEYWORD               VALUE +26.         07540000
00091 C 005800         88  VSIO-MODE-UNSUPPORTED           VALUE +27.         07550000
00092 C 005900         88  VSIO-DDNAME-BLANK               VALUE +28.         07560000
00093 C 006000     02  VSIO-VSAM-RETURN-CODE   PIC S9(04)  COMP.              07570000
00094 C 006100     02  VSIO-VSAM-FUNCTION-CODE PIC S9(04)  COMP.              07580000
00095 C 006200     02  VSIO-VSAM-FEEDBACK-CODE PIC S9(04)  COMP.              07590000
00096 C 006300         88  VSIO-DUPLICATE-RECORD           VALUE +8.          07600000
00097 C 006400         88  VSIO-SEQUENCE-ERROR             VALUE +12.         07610000
00098 C 006500         88  VSIO-RECORD-NOT-FOUND           VALUE +16.         07620000
00099 C 006600         88  VSIO-NO-MORE-SPACE              VALUE +28.         07630000
00100 C 006700         88  VSIO-READ-WITHOUT-START         VALUE +88.         07640000
00101 C 006800* ************************************************************ *07650000
00102 C 006900*                    END OF VSAMIO COPY BOOK                    *07660000
00103 C 007000* ************************************************************ *07670000
00104   004200 01  RRDSF01                      COPY VSAMIOFB.                 29590000
00105 C 000100* ************************************************************ *00000100
00106 C 000200*                                                              *00000200
00107 C 000300*  VV   VV  SSSSS     A    M     M IIII  OOOOO  FFFFFFF BBBBBB   *00000300
00108 C 000400*  VV   VV SS   SS   AAA   MM   MM  II  OO   OO FF      BB   BB  *00000400
00109 C 000500*  VV   VV SS       AA AA  MMM MMM  II  OO   OO FF      BB   BB  *00000500
00110 C 000600*  VV   VV  SSSSS  AA   AA MMMMMMM  II  OO   OO FFFFF   BBBBBB   *00000600
00111 C 000700*  VV   VV      SS AA   AA MM M MM  II  OO   OO FF      BB   BB  *00000700
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00112 C 000800*   VV VV  SS   SS AAAAAAA MM   MM  II  OO   OO FF      BB   BB  *00000800
00113 C 000900*    VVV   SS   SS AA   AA MM   MM  II  OO   OO FF      BB   BB  *00000900
00114 C 001000*     V     SSSSS  AA   AA MM   MM IIII  OOOOO  FF      BBBBBB   *00001000
00115 C 001100*                                                                 *00001100
00116 C 001200* ************************************************************** *00001200
00117 C 001300* THESE PARAMETERS ARE USED TO INTERFACE WITH THE VSAM DATASET   *00001300
00118 C 001400* ACCESS ROUTINE, AND ARE USED TO COMMUNICATE CHARACTERISTICS    *00001400
00119 C 001500* FOR A SINGLE VSAM DATASET.                                     *00001500
00120 C 001600*                                                               *00001600
00121 C 001700* WITH THE 2 EXCEPTIONS FOR RECORD LENGTH (TO ACCOMODATE         *00001700
00122 C 001800* VARIABLE LENGTH RECORDS) AND RELATIVE RECORD (TO ACCOMODATE    *00001800
00123 C 001900* RELATIVE RECORD DATASETS) THESE DATA NAMES MUST BE POPULATED   *00001900
00124 C 002000* PRIOR TO CALLING THE ROUTINE TO OPEN THE DATASET AND MUST NOT  *00002000
00125 C 002100* THEN BE CHANGED UNTIL THE DATASET HAS BEEN CLOSED.             *00002100
00126 C 002200* ************************************************************** *00002200
00127 C 002300 01  RRDSF01.                                                     00002300
00128 C 002400     02  VSIO-DDNAME             PIC  X(08)  VALUE SPACES.       00002400
00129 C 002500     02  VSIO-ORGANIZATION       PIC  X(04)  VALUE SPACES.       00002500
00130 C 002600     02  VSIO-ACCESS             PIC  X(10)  VALUE SPACES.       00002600
00131 C 002700     02  VSIO-MODE               PIC  X(06)  VALUE SPACES.       00002700
00132 C 002800     02  VSIO-RECORD-LENGTH      PIC S9(04)  COMP VALUE +0.      00002800
00133 C 002900     02  VSIO-KEY-ARGUMENT.                                      00002900
00134 C 003000         03  VSIO-KEY-POSITION   PIC S9(04)  COMP VALUE +0.      00003000
00135 C 003100         03  VSIO-KEY-LENGTH     PIC S9(04)  COMP VALUE +0.      00003100
00136 C 003200     02  VSIO-RELATIVE-RECORD    REDEFINES VSIO-KEY-ARGUMENT     00003200
00137 C 003300                                 PIC S9(08)  COMP.               00003300
00138 C 003400     02  FILLER                  PIC  X(01)  VALUE 'C'.          00003400
00139 C 003500         88  VSIO-FILE-OPEN                  VALUE 'O'.          00003500
00140 C 003600         88  VSIO-FILE-CLOSED                VALUE 'C'.          00003600
00141 C 003700     02  FILLER                  PIC  X(161).                    00003700
00142 C 003800* ************************************************************ *00003800
00143 C 003900*                   END OF VSAMIOFB COPY BOOK                   *00003900
00144 C 004000* ************************************************************ *00004000
00145   004300 01  RRDS-RECORD.                                                29600000
00146   004400     02  FILLER                  PIC X(07).                      29610000
00147   004500     02  RRDS-RRN                PIC 9(03).                      29620000
00148   004600     02  FILLER                  PIC X(70).                      29630000
00149   004700                                                                 29640000
00150   004800 PROCEDURE DIVISION.                                             29650000
00151   004900                                                                 29660000
00152   005000 000-INITIATE.                                                   29670000
00153   005100                                                                 29680000
00154   005200     DISPLAY 'RRDSLODR: WRITE RRDS DIRECT (VACANT SLOTS)'.       29690000
00155   005300     DISPLAY '-----------------------------------------'.        29700000
00156   005400     DISPLAY ' '.                                                29710000
00157   005500                                                                 29720000
00158   005600     OPEN INPUT RECORD-IMAGES.                                   29730000
00159   005700                                                                 29740000
00160   005800     MOVE 'RRDSF01' TO VSIO-DDNAME.                              29750000
00161   005900     MOVE VSIO-RRDS TO VSIO-ORGANIZATION.                        29760000
00162   006000     MOVE VSIO-DIRECT TO VSIO-ACCESS.                            29770000
00163   006100     MOVE VSIO-OUTPUT TO VSIO-MODE.                              29780000
00164   006200     MOVE +80 TO VSIO-RECORD-LENGTH.                             29790000
00165   006300     MOVE +0 TO VSIO-KEY-LENGTH, VSIO-KEY-POSITION.              29800000
00166   006400     MOVE VSIO-OPEN TO VSIO-COMMAND.                             29810000
00167   006500     CALL 'VSAMIO' USING VSIO-PARAMETER-BLOCK, RRDSF01,          29820000
00168   006600                         RRDS-RECORD.                            29830000
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00169   006700*    END-CALL.                                                 29840000
00170   006800     IF NOT VSIO-SUCCESS                                       29850000
00171   006900         DISPLAY 'VSAMIO ERROR OCCURRED DURING '               29860000
00172   007000                 VSIO-COMMAND                                  29870000
00173   007100         EXHIBIT NAMED VSIO-RETURN-CODE,                       29880000
00174   007200         EXHIBIT NAMED VSIO-VSAM-RETURN-CODE,                  29890000
00175   007300                       VSIO-VSAM-FUNCTION-CODE,                29900000
00176   007400                       VSIO-VSAM-FEEDBACK-CODE                 29910000
00177   007500         STOP RUN.                                             29920000
00178   007600*    END-IF.                                                   29930000
00179   007700                                                               29940000
00180   007800 010-PROCESS.                                                  29950000
00181   007900                                                               29960000
00182   008000     PERFORM 110-PROCESS-DATA                                  29970000
00183   008100        THRU 119-EXIT                                          29980000
00184   008200       UNTIL END-OF-FILE                                       29990000
00185   008300          OR (NOT VSIO-SUCCESS).                               30000000
00186   008400*    END-PERFORM.                                              30010000
00187   008500                                                               30020000
00188   008600 020-TERMINATE.                                                30030000
00189   008700                                                               30040000
00190   008800     CLOSE RECORD-IMAGES.                                      30050000
00191   008900                                                               30060000
00192   009000     MOVE VSIO-CLOSE TO VSIO-COMMAND.                          30070000
00193   009100     CALL 'VSAMIO' USING VSIO-PARAMETER-BLOCK, RRDSF01,        30080000
00194   009200                         RRDS-RECORD.                          30090000
00195   009300*    END-CALL.                                                 30100000
00196   009400     IF NOT VSIO-SUCCESS                                       30110000
00197   009500         DISPLAY 'VSAMIO ERROR OCCURRED DURING '               30120000
00198   009600                 VSIO-COMMAND                                  30130000
00199   009700         EXHIBIT NAMED VSIO-RETURN-CODE,                       30140000
00200   009800         EXHIBIT NAMED VSIO-VSAM-RETURN-CODE,                  30150000
00201   009900                       VSIO-VSAM-FUNCTION-CODE,                30160000
00202   010000                       VSIO-VSAM-FEEDBACK-CODE.                30170000
00203   010100*    END-IF.                                                   30180000
00204   010200                                                               30190000
00205   010300     MOVE RECORD-COUNTER TO COUNTER-EDIT.                      30200000
00206   010400     DISPLAY COUNTER-EDIT ' RECORDS WERE LOADED SUCCESSFULLY'. 30210000
00207   010500                                                               30220000
00208   010600     STOP RUN.                                                 30230000
00209   010700                                                               30240000
00210   010800 110-PROCESS-DATA.                                             30250000
00211   010900     READ RECORD-IMAGES                                        30260000
00212   011000         AT END                                                30270000
00213   011100             MOVE 'Y' TO END-OF-FILE-SWITCH.                   30280000
00214   011200*    END-READ.                                                 30290000
00215   011300                                                               30300000
00216   011400     IF NOT END-OF-FILE                                        30310000
00217   011500                                                               30320000
00218   011600         MOVE RECORD-IMAGE TO RRDS-RECORD                      30330000
00219   011700         MOVE RRDS-RRN TO VSIO-RELATIVE-RECORD                 30340000
00220   011800                                                               30350000
00221   011900         MOVE VSIO-WRITE TO VSIO-COMMAND                       30360000
00222   012000         CALL 'VSAMIO' USING VSIO-PARAMETER-BLOCK, RRDSF01,    30370000
00223   012100                             RRDS-RECORD                       30380000
00224   012200*        END-CALL                                              30390000
00225   012300                                                               30400000
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00226   012400         IF VSIO-SUCCESS                                          30410000
00227   012500             ADD +1 TO RECORD-COUNTER                             30420000
00228   012600         ELSE                                                     30430000
00229   012700             IF VSIO-LOGIC-ERROR                                  30440000
00230   012800            AND VSIO-NO-MORE-SPACE                                30450000
00231   012900                DISPLAY 'INSUFFICIENT SPACE DEFINED IN CLUSTER'   30460000
00232   013000                        'TO CONTAIN ALL RECORDS - LOADING '       30470000
00233   013100                        'TERMINATED'                              30480000
00234   013200             ELSE                                                 30490000
00235   013300                 DISPLAY 'VSAMIO ERROR OCCURRED DURING '          30500000
00236   013400                         VSIO-COMMAND                             30510000
00237   013500                 EXHIBIT NAMED VSIO-RETURN-CODE,                  30520000
00238   013600                 EXHIBIT NAMED VSIO-VSAM-RETURN-CODE,             30530000
00239   013700                               VSIO-VSAM-FUNCTION-CODE,           30540000
00240   013800                               VSIO-VSAM-FEEDBACK-CODE.           30550000
00241   013900*            END-IF                                               30560000
00242   014000*        END-IF                                                   30570000
00243   014100*    END-IF.                                                      30580000
00244   014200                                                                  30590000
00245   014300 119-EXIT.                                                        30600000
00246   014400     EXIT.                                                        30610000
00247   014500                                                                  30620000
00248   014600                                                                  30630000
```

INTRNL NAME	LVL	SOURCE NAME	BASE	DISPL	INTRNL NAME	DEFINITION	USAGE	R	O	Q	M
DNM=1-127	FD	RECORD-IMAGES	DCB=01		DNM=1-127		QSAM				F
DNM=1-153	01	RECORD-IMAGE	BL=1	000	DNM=1-153	DS 80C	DISP				
DNM=1-175	77	END-OF-FILE-SWITCH	BL=2	000	DNM=1-175	DS 1C	DISP				
DNM=1-206	88	END-OF-FILE			DNM=1-206						
DNM=1-228	77	RECORD-COUNTER	BL=2	001	DNM=1-228	DS 8C	DISP-NM				
DNM=1-252	77	COUNTER-EDIT	BL=2	009	DNM=1-252	DS 10C	NM-EDIT				
DNM=1-289	01	VSIO-PARAMETER-VALUES	BL=2	018	DNM=1-289	DS 0CL124	GROUP				
DNM=1-323	02	VSIO-OPEN	BL=2	018	DNM=1-323	DS 8C	DISP				
DNM=1-342	02	VSIO-CLOSE	BL=2	020	DNM=1-342	DS 8C	DISP				
DNM=1-362	02	VSIO-READ	BL=2	028	DNM=1-362	DS 8C	DISP				
DNM=1-384	02	VSIO-WRITE	BL=2	030	DNM=1-384	DS 8C	DISP				
DNM=1-404	02	VSIO-REWRITE	BL=2	038	DNM=1-404	DS 8C	DISP				
DNM=1-426	02	VSIO-DELETE	BL=2	040	DNM=1-426	DS 8C	DISP				
DNM=1-447	02	VSIO-START-KEY-EQUAL	BL=2	048	DNM=1-447	DS 8C	DISP				
DNM=1-477	02	VSIO-START-KEY-NOTLESS	BL=2	050	DNM=1-477	DS 8C	DISP				
DNM=2-000	02	VSIO-KSDS	BL=2	058	DNM=2-000	DS 4C	DISP				
DNM=2-019	02	VSIO-ESDS	BL=2	05C	DNM=2-019	DS 4C	DISP				
DNM=2-038	02	VSIO-RRDS	BL=2	060	DNM=2-038	DS 4C	DISP				
DNM=2-057	02	VSIO-SEQUENTIAL	BL=2	064	DNM=2-057	DS 10C	DISP				
DNM=2-082	02	VSIO-DIRECT	BL=2	06E	DNM=2-082	DS 10C	DISP				
DNM=2-103	02	VSIO-DYNAMIC	BL=2	078	DNM=2-103	DS 10C	DISP				
DNM=2-125	02	VSIO-INPUT	BL=2	082	DNM=2-125	DS 6C	DISP				
DNM=2-145	02	VSIO-OUTPUT	BL=2	088	DNM=2-145	DS 6C	DISP				
DNM=2-166	02	VSIO-INPUT-OUTPUT	BL=2	08E	DNM=2-166	DS 6C	DISP				
DNM=2-193	01	VSIO-PARAMETER-BLOCK	BL=2	098	DNM=2-193	DS 0CL16	GROUP				
DNM=2-226	02	VSIO-COMMAND	BL=2	098	DNM=2-226	DS 8C	DISP				
DNM=2-251	02	VSIO-RETURN-CODE	BL=2	0A0	DNM=2-251	DS 2C	COMP				
DNM=2-280	88	VSIO-SUCCESS			DNM=2-280						
DNM=2-305	88	VSIO-LOGIC-ERROR			DNM=2-305						
DNM=2-334	88	VSIO-END-OF-FILE			DNM=2-334						
DNM=2-365	88	VSIO-PARAMETER-ERROR			DNM=2-365						
DNM=2-395	88	VSIO-COMMAND-UNKNOWN			DNM=2-395						
DNM=2-429	88	VSIO-DATASET-ALREADY-OPEN			DNM=2-429						
DNM=2-468	88	VSIO-DATASET-NOT-OPEN			DNM=2-468						
DNM=3-000	88	VSIO-ORGANIZATION-KEYWORD			DNM=3-000						
DNM=3-039	88	VSIO-ACCESS-KEYWORD			DNM=3-039						
DNM=3-072	88	VSIO-ACCESS-UNSUPPORTED			DNM=3-072						
DNM=3-109	88	VSIO-MODE-KEYWORD			DNM=3-109						
DNM=3-140	88	VSIO-MODE-UNSUPPORTED			DNM=3-140						
DNM=3-175	88	VSIO-DDNAME-BLANK			DNM=3-175						
DNM=3-206	02	VSIO-VSAM-RETURN-CODE	BL=2	0A2	DNM=3-206	DS 2C	COMP				
DNM=3-237	02	VSIO-VSAM-FUNCTION-CODE	BL=2	0A4	DNM=3-237	DS 2C	COMP				
DNM=3-270	02	VSIO-VSAM-FEEDBACK-CODE	BL=2	0A6	DNM=3-270	DS 2C	COMP				
DNM=3-306	88	VSIO-DUPLICATE-RECORD			DNM=3-306						
DNM=3-340	88	VSIO-SEQUENCE-ERROR			DNM=3-340						
DNM=3-373	88	VSIO-RECORD-NOT-FOUND			DNM=3-373						
DNM=3-408	88	VSIO-NO-MORE-SPACE			DNM=3-408						
DNM=3-440	88	VSIO-READ-WITHOUT-START			DNM=3-440						
DNM=3-477	01	RRDSF01	BL=2	0A8	DNM=3-477	DS 0CL196	GROUP				
DNM=4-000	02	VSIO-DDNAME	BL=2	0A8	DNM=4-000	DS 8C	DISP				
DNM=4-021	02	VSIO-ORGANIZATION	BL=2	0B0	DNM=4-021	DS 4C	DISP				
DNM=4-048	02	VSIO-ACCESS	BL=2	0B4	DNM=4-048	DS 10C	DISP				
DNM=4-069	02	VSIO-MODE	BL=2	0BE	DNM=4-069	DS 6C	DISP				
DNM=4-088	02	VSIO-RECORD-LENGTH	BL=2	0C4	DNM=4-088	DS 2C	COMP				
DNM=4-116	02	VSIO-KEY-ARGUMENT	BL=2	0C6	DNM=4-116	DS 0CL4	GROUP				

INTRNL NAME	LVL	SOURCE NAME	BASE	DISPL	INTRNL NAME	DEFINITION	USAGE	R	O	Q	M
DNM=4-146	03	VSIO-KEY-POSITION	BL=2	0C6	DNM=4-146	DS 2C	COMP				
DNM=4-176	03	VSIO-KEY-LENGTH	BL=2	0C8	DNM=4-176	DS 2C	COMP				
DNM=4-201	02	VSIO-RELATIVE-RECORD	BL=2	0C6	DNM=4-201	DS 4C	COMP	R			
DNM=4-231	02	FILLER	BL=2	0CA	DNM=4-231	DS 1C	DISP				
DNM=4-253	88	VSIO-FILE-OPEN			DNM=4-253						
DNM=4-278	88	VSIO-FILE-CLOSED			DNM=4-278						
DNM=4-305	02	FILLER	BL=2	0CB	DNM=4-305	DS 161C	DISP				
DNM=4-324	01	RRDS-RECORD	BL=2	170	DNM=4-324	DS 0CL80	GROUP				
DNM=4-348	02	FILLER	BL=2	170	DNM=4-348	DS 7C	DISP				
DNM=4-367	02	RRDS-RRN	BL=2	177	DNM=4-367	DS 3C	DISP-NM				
DNM=4-388	02	FILLER	BL=2	17A	DNM=4-388	DS 70C	DISP				

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*STATISTICS*     SOURCE RECORDS =   248     DATA DIVISION STATEMENTS =    68     PROCEDURE DIVISION STATEMENTS =    45
*OPTIONS IN EFFECT*     SIZE = 2097152  BUF = 1048576  LINECNT = 57  SPACE1, FLAGW,   SEQ,   SOURCE
*OPTIONS IN EFFECT*       DMAP, NOPMAP, NOCLIST,   SUPMAP, NOXREF,   LOAD, NODECK, APOST, NOTRUNC,   LIB, NOVERB
*OPTIONS IN EFFECT*       ZWB
```

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F64-LEVEL LINKAGE EDITOR OPTIONS SPECIFIED LIST,XREF,LET
         DEFAULT OPTION(S) USED -  SIZE=(231424,55296)




                                        CROSS REFERENCE TABLE


  CONTROL SECTION                       ENTRY

    NAME    ORIGIN  LENGTH                NAME   LOCATION     NAME   LOCATION     NAME   LOCATION     NAME   LOCATION
  RRDSLODR      00     C24
  ILBODSP0*    C28     700
  ILBOSTP0*   1328      35
                                        ILBOSTP1    133E
  VSAMIO  *   1360     D0A




  LOCATION  REFERS TO SYMBOL  IN CONTROL SECTION            LOCATION  REFERS TO SYMBOL  IN CONTROL SECTION
      518           ILBOSTP0        ILBOSTP0                   51C           ILBODSP0        ILBODSP0
      520           VSAMIO          VSAMIO                     524           ILBOSTP1        ILBOSTP0

 ENTRY ADDRESS       00

  TOTAL LENGTH      2070
****RUN       DOES NOT EXIST BUT HAS BEEN ADDED TO DATA SET
AUTHORIZATION CODE IS         0.
```

```
RRDSLODR: WRITE RRDS DIRECT (VACANT SLOTS)
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       100 RECORDS WERE LOADED SUCCESSFULLY
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