J E S 2 J O B L O G

```
18.19.35 JOB  157  IEF677I WARNING MESSAGE(S) FOR JOB VSTESTR3 ISSUED
18.19.35 JOB  157  $HASP373 VSTESTR3 STARTED - INIT  1 - CLASS A - SYS HMVS
18.19.35 JOB  157  IEF403I VSTESTR3 - STARTED - TIME=18.19.35
18.19.35 JOB  157  CCI001C PL1L    /IEMAA   /00:00:00.16/        /00004/SYS     /VSTESTR3
18.19.35 JOB  157  CCI001C LKED    /IEWL    /00:00:00.04/        /00000/SYS     /VSTESTR3
18.19.35 JOB  157  CCI001C GO      /PGM=*.DD/00:00:00.01/        /00000/SYS     /VSTESTR3
18.19.35 JOB  157  IEF404I VSTESTR3 - ENDED - TIME=18.19.35
18.19.35 JOB  157  $HASP395 VSTESTR3 ENDED

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

 07 JUL 20 JOB EXECUTION DATE

       22 CARDS READ

    1,147 SYSOUT PRINT RECORDS

        0 SYSOUT PUNCH RECORDS

     0.00 MINUTES EXECUTION TIME
```

```
 1      //VSTESTR3 JOB (SYS),'VSAMIOP IVP RRDSREAD',CLASS=A,MSGCLASS=X,         JOB  157
        //             REGION=4096K
        ***
        ********************************************************************
        *** PL/1 MODULE: RRDSREAD     VSAM DATASET: VSTESTRR.CLUSTER (RRDS)
        ***
        *** SEQUENTIALLY READS ALL RECORDS FROM DATASET
        ********************************************************************
        ***
 2      //PL1F    EXEC PL1LFCLG,
        //             PARM='LOAD,NODECK,ATR,XREF,CHAR60,MACRO'
 3      XXPL1L   EXEC  PGM=IEMAA,PARM='LOAD,NODECK',REGION=52K                  00000100
 4      XXSTEPLIB  DD DSN=SYSC.LINKLIB,DISP=SHR                                 00000200
 5      //PL1L.SYSPRINT DD SYSOUT=*
        X/SYSPRINT DD  SYSOUT=A                                                 00000300
 6      XXSYSLIN   DD  DSNAME=&&LOADSET,DISP=(MOD,PASS),UNIT=SYSSQ,            *00000400
        XX             SPACE=(80,(250,100))                                     00000500
 7      XXSYSUT3  DD  DSNAME=&&SYSUT3,UNIT=SYSDA,SPACE=(80,(250,250)),         *00000600
        XX             DCB=BLKSIZE=80                                           00000700
 8      XXSYSUT1   DD  DSNAME=&&SYSUT1,UNIT=SYSDA,SPACE=(1024,(60,60),,CONTIG),*00000800
        XX             SEP=(SYSUT3,SYSLIN),DCB=BLKSIZE=1024                     00000900
 9      //PL1L.SYSIN DD DSN=SYSC.VSAMIOP.SOURCE(RRDSREAD),DISP=SHR
10      //PL1L.SYSLIB DD DSN=SYSC.VSAMIOP.MACLIB,DISP=SHR
11      XXLKED   EXEC  PGM=IEWL,PARM='XREF,LIST',COND=(9,LT,PL1L),              *00001000
        XX             REGION=96K                                               00001100
12      //LKED.SYSLIB DD
        X/SYSLIB   DD  DSNAME=SYSC.PL1LIB,DISP=SHR                              00001201
13      //         DD  DSN=SYSC.LINKLIB,DISP=SHR
14      XXSYSLMOD  DD  DSNAME=&&GOSET(GO),DISP=(MOD,PASS),                      *00001300
        XX             UNIT=SYSDA,SPACE=(1024,(50,20,1),RLSE)                   00001400
15      XXSYSUT1   DD  DSNAME=&&SYSUT1,UNIT=SYSDA,SPACE=(1024,(200,20)),        *00001500
        XX             SEP=(SYSLMOD,SYSLIB),DCB=BLKSIZE=1024                    00001600
16      //LKED.SYSPRINT DD SYSOUT=*
        X/SYSPRINT DD  SYSOUT=A                                                 00001700
17      XXSYSLIN   DD  DSNAME=&&LOADSET,DISP=(OLD,DELETE)                       00001800
18      XX         DD  DDNAME=SYSIN                                             00001900
19      XXGO     EXEC  PGM=*.LKED.SYSLMOD,COND=((9,LT,LKED),(9,LT,PL1L))       00002000
20      //GO.STEPLIB DD DSN=SYSC.PL1LIB,DISP=SHR
        X/STEPLIB  DD  DSN=SYSC.LINKLIB,DISP=SHR                                00002102
21      XX         DD  DSN=SYSC.PL1LIB,DISP=SHR                                 00002202
22      XXSYSPRINT DD  SYSOUT=A                                                 00002300
23      //GO.PRINTR DD SYSOUT=*
24      //GO.SYSUDUMP DD SYSOUT=*
25      //GO.SYSPRINT DD SYSOUT=*
26      //GO.RRDSF01 DD DSN=PUB001.VSTESTRR.CLUSTER,DISP=OLD
```

```
 STMT NO. MESSAGE
-
   19     IEF686I DDNAME REFERRED TO ON DDNAME KEYWORD IN PRIOR STEP WAS NOT RESOLVED
IEF236I ALLOC. FOR VSTESTR3 PL1L PL1F
IEF237I 253  ALLOCATED TO STEPLIB
IEF237I 253  ALLOCATED TO SYS00374
IEF237I JES2 ALLOCATED TO SYSPRINT
IEF237I 380  ALLOCATED TO SYSLIN
IEF237I 251  ALLOCATED TO SYSUT3
IEF237I 370  ALLOCATED TO SYSUT1
IEF237I 253  ALLOCATED TO SYSIN
IEF237I 253  ALLOCATED TO SYSLIB
IEF142I VSTESTR3 PL1L PL1F - STEP WAS EXECUTED - COND CODE 0004
IEF285I   SYSC.LINKLIB                                KEPT          *--------0
IEF285I   VOL SER NOS= SYSCPK.
IEF285I   UCSYSCPK                                    KEPT          *--------0
IEF285I   VOL SER NOS= SYSCPK.
IEF285I   JES2.JOB00157.SO0101                        SYSOUT
IEF285I   SYS20189.T181935.RA000.VSTESTR3.LOADSET     PASSED        *------206
IEF285I   VOL SER NOS= MVS380.
IEF285I   SYS20189.T181935.RA000.VSTESTR3.SYSUT3      DELETED       *------263
IEF285I   VOL SER NOS= WORK00.
IEF285I   SYS20189.T181935.RA000.VSTESTR3.SYSUT1      DELETED       *--------0
IEF285I   VOL SER NOS= MVS370.
IEF285I   SYSC.VSAMIOP.SOURCE                         KEPT          *--------3
IEF285I   VOL SER NOS= SYSCPK.
IEF285I   SYSC.VSAMIOP.MACLIB                         KEPT          *-------27
IEF285I   VOL SER NOS= SYSCPK.
IEF373I STEP /PL1L    / START 20189.1819
IEF374I STEP /PL1L    / STOP  20189.1819 CPU    0MIN 00.16SEC SRB    0MIN 00.04SEC VIRT  4096K SYS   212K
**** JOBCARD READ 20189 18:19:35 ************************************************************************************
*                                      PRC-CCI  370/148 VS2 R03.8  HMVS  STEP STATISTICS                              *
*  STEP NAME  PL1L        USER CORE        4096K   TAPES USED/IO 000/000000000   START   TIME  18:19:35    TCB TIME  00:00:00.16  *
*  PGM  NAME  IEMAA       SYSTEM CORE       212K   DISKS USED/IO 004/000000499   STOP    TIME  18:19:35    SRB TIME  00:00:00.04  *
*   COND CODE    0004     PRIVATE AREA SZ   4096K       ALLOC TIME  18:19:35      ELAPSED TIME                PGM LOAD  18:19:35   *
** PGNO * NR SRV UNITS * ACTIVE TIME ** PAGES IN *** PAGES OUT ** # SWAPS * PGS SWAP IN * PGS SWAP OUT * VIO PGS IN * VIO PGS OUT **
*   004          2706   00:00:00.23            0             0           0             0              0             0            0  *
************************************************************************************************************************
*  CPU $ (     0.05) + EXCP $ (     0.67) + MEMORY $ (     1.86) = TOTAL $ (     2.58)                                  *
************************************************************************************************************************
IEF236I ALLOC. FOR VSTESTR3 LKED PL1F
IEF237I 253  ALLOCATED TO SYSLIB
IEF237I 253  ALLOCATED TO
IEF237I 253  ALLOCATED TO SYS00376
IEF237I 251  ALLOCATED TO SYSLMOD
IEF237I 370  ALLOCATED TO SYSUT1
IEF237I JES2 ALLOCATED TO SYSPRINT
IEF237I 380  ALLOCATED TO SYSLIN
IEF237I DMY  ALLOCATED TO
IEF142I VSTESTR3 LKED PL1F - STEP WAS EXECUTED - COND CODE 0000
IEF285I   SYSC.PL1LIB                                 KEPT          *------106
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.T181935.RA000.VSTESTR3.GOSET       PASSED        *-------57
IEF285I   VOL SER NOS= WORK00.
IEF285I   SYS20189.T181935.RA000.VSTESTR3.SYSUT1      DELETED       *--------0
IEF285I   VOL SER NOS= MVS370.
IEF285I   JES2.JOB00157.SO0102                        SYSOUT
```

```
IEF285I   SYS20189.T181935.RA000.VSTESTR3.LOADSET      DELETED       *------207
IEF285I   VOL SER NOS= MVS380.
IEF373I STEP /LKED    / START 20189.1819
IEF374I STEP /LKED    / STOP  20189.1819 CPU    0MIN 00.04SEC SRB    0MIN 00.01SEC 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  18:19:35    TCB TIME  00:00:00.04  *
*  PGM  NAME  IEWL        SYSTEM CORE        208K   DISKS USED/IO 004/000000370   STOP    TIME  18:19:35    SRB TIME  00:00:00.01  *
*   COND CODE    0000     PRIVATE AREA SZ   4096K       ALLOC TIME  18:19:35      ELAPSED TIME                PGM LOAD  18:19:35   *
** PGNO * NR SRV UNITS * ACTIVE TIME ** PAGES IN *** PAGES OUT ** # SWAPS * PGS SWAP IN * PGS SWAP OUT * VIO PGS IN * VIO PGS OUT **
*   004          1891   00:00:00.06            0             0         0             0              0             0             0  *
********************************************************************************************************
*  CPU $ (     0.01) + EXCP $ (     0.49) + MEMORY $ (     0.02) = TOTAL $ (     0.52)                    *
********************************************************************************************************
IEF236I ALLOC. FOR VSTESTR3 GO PL1F
IEF237I 251  ALLOCATED TO PGM=*.DD
IEF237I 253  ALLOCATED TO STEPLIB
IEF237I 253  ALLOCATED TO
IEF237I 253  ALLOCATED TO SYS00378
IEF237I JES2 ALLOCATED TO SYSPRINT
IEF237I JES2 ALLOCATED TO PRINTR
IEF237I JES2 ALLOCATED TO SYSUDUMP
IEF237I JES2 ALLOCATED TO SYSPRINT
IEF237I 190  ALLOCATED TO RRDSF01
IEF237I 190  ALLOCATED TO SYS00380
IEF142I VSTESTR3 GO PL1F - STEP WAS EXECUTED - COND CODE 0000
IEF285I   SYS20189.T181935.RA000.VSTESTR3.GOSET        KEPT          *--------0
IEF285I   VOL SER NOS= WORK00.
IEF285I   SYSC.PL1LIB                                  KEPT          *--------0
IEF285I   VOL SER NOS= SYSCPK.
IEF285I   UCSYSCPK                                     KEPT          *--------0
IEF285I   VOL SER NOS= SYSCPK.
IEF285I   JES2.JOB00157.SO0103                         SYSOUT
IEF285I   JES2.JOB00157.SO0104                         SYSOUT
IEF285I   JES2.JOB00157.SO0105                         SYSOUT
IEF285I   JES2.JOB00157.SO0106                         SYSOUT
IEF285I   PUB001.VSTESTRR.CLUSTER                      KEPT          *--------8
IEF285I   VOL SER NOS= PUB001.
IEF285I   UCPUB001                                     KEPT          *--------0
IEF285I   VOL SER NOS= PUB001.
IEF373I STEP /GO      / START 20189.1819
IEF374I STEP /GO      / STOP  20189.1819 CPU    0MIN 00.01SEC SRB    0MIN 00.00SEC VIRT    92K SYS   224K
********************************************************************************************************
*                                       PRC-CCI  370/148 VS2 R03.8  HMVS  STEP STATISTICS                *
*  STEP NAME  GO          USER CORE           92K   TAPES USED/IO 000/000000000   START   TIME  18:19:35    TCB TIME  00:00:00.01  *
*  PGM  NAME  PGM=*.DD    SYSTEM CORE        224K   DISKS USED/IO 003/000000008   STOP    TIME  18:19:35    SRB TIME  00:00:00.00  *
*   COND CODE    0000     PRIVATE AREA SZ   4096K       ALLOC TIME  18:19:35      ELAPSED TIME                PGM LOAD  18:19:35   *
** PGNO * NR SRV UNITS * ACTIVE TIME ** PAGES IN *** PAGES OUT ** # SWAPS * PGS SWAP IN * PGS SWAP OUT * VIO PGS IN * VIO PGS OUT **
*   004            80   00:00:00.02            0             0         0             0              0             0             0  *
********************************************************************************************************
*  CPU $ (     0.00) + EXCP $ (     0.01) + MEMORY $ (     0.00) = TOTAL $ (     0.01)                    *
********************************************************************************************************
IEF237I 251  ALLOCATED TO SYS00001
IEF285I   SYS20189.T181935.RA000.VSTESTR3.R0000001     KEPT          *--------0
IEF285I   VOL SER NOS= WORK00.
IEF285I   SYS20189.T181935.RA000.VSTESTR3.GOSET        DELETED
IEF285I   VOL SER NOS= WORK00.
IEF375I  JOB /VSTESTR3/ START 20189.1819
IEF376I  JOB /VSTESTR3/ STOP  20189.1819 CPU    0MIN 00.21SEC SRB    0MIN 00.05SEC
```

PL/I F COMPILER OPTIONS SPECIFIED ARE AS FOLLOWS--

```
     LOAD,NODECK,ATR,XREF,CHAR60,MACRO


THE COMPLETE LIST OF OPTIONS USED DURING THIS COMPILATION IS--   EBCDIC
                                                                CHAR60
                                                                MACRO
                                                                SOURCE2
                                                              NOMACDCK
                                                                COMP
                                                                SOURCE
                                                                ATR
                                                                XREF
                                                              NOEXTREF
                                                              NOLIST
                                                                LOAD
                                                              NODECK
                                                                FLAGW
                                                              NOSTMT
                                                                SIZE=4154608
                                                                LINECNT=050
                                                                OPT=01
                                                                SORMGIN=(002,072)
                                                              NOEXTDIC
                                                              NONEST
                                                              OPLIST
                                                              SYNCHKT

*OPTIONS IN EFFECT*     EBCDIC,CHAR60,MACRO,SOURCE2,NOMACDCK,COMP,SOURCE,ATR,XREF,NOEXTREF,NOLIST,LOAD,
*OPTIONS IN EFFECT*     NODECK,FLAGW,NOSTMT,SIZE=4154608,LINECNT=050,OPT=01,SORMGIN=(002,072),NOEXTDIC,
*OPTIONS IN EFFECT*     NONEST,OPLIST,SYNCHKT
```

COMPILE-TIME MACRO PROCESSOR
MACRO SOURCE2 LISTING

```
  1    /*****************************************************************23800000
  2                                                                      23810000
  3      RRDSREAD - TESTS THE VSAMIO ROUTINE BY READING RECORDS FROM AN RRDS  23820000
  4                 CLUSTER AND PRINTING THEIR CONTENTS.                 23830000
  5                                                                      23840000
  6     ******************************************************************/23850000
  7    RRDSREA:                                                          23860000
  8       PROCEDURE OPTIONS(MAIN);                                       23870000
  9                                                                      23880000
 10          ON ERROR                                                   23890000
 11             BEGIN;                                                  23900000
 12                ON ERROR SYSTEM;                                     23910000
 13                PUT SKIP(3) LIST((54)'*' || ' DEBUG AID ' || (54)'*');     23920000
 14                PUT SKIP DATA;                                       23930000
 15                PUT SKIP(3) LIST((54)'*' || ' DEBUG AID ' || (54)'*');     23940000
 16             END;                                                    23950000
 17                                                                     23960000
 18          OPEN                                                       23970000
 19             FILE(PRINTR) LINESIZE(121);                             23980000
 20                                                                     23990000
 21          PRINT_AREA = 'RRDSREAD: READ RRDS SEQUENTIALLY';           24000000
 22          WRITE FILE(PRINTR) FROM(PRINT_LINE);                       24010000
 23          PRINT_AREA = '------------------------------';             24020000
 24          WRITE FILE(PRINTR) FROM(PRINT_LINE);                       24030000
 25          PRINT_AREA = ' ';                                          24040000
 26          WRITE FILE(PRINTR) FROM(PRINT_LINE);                       24050000
 27                                                                     24060000
 28          MORE_RECORDS = YES;                                        24070000
 29                                                                     24080000
 30     /*****************************************************************24090000
 31       ESTABLISH PARAMETERS OF VSAM DATASET AND CALL ROUTINE TO OPEN  24100000
 32      ******************************************************************/24110000
 33          VSFB_DDNAME = 'RRDSF01';                                   24120000
 34          VSFB_ORGANIZATION = VSIO_RRDS;                             24130000
 35          VSFB_ACCESS = VSIO_SEQUENTIAL;                             24140000
 36          VSFB_MODE = VSIO_INPUT;                                    24150000
 37          VSFB_RECORD_LENGTH = 80;                                   24160000
 38          VSFB_KEY_POSITION = 0;                                     24170000
 39          VSFB_KEY_LENGTH = 0;                                       24180000
 40          VSIO_COMMAND = VSIO_OPEN;                                  24190000
 41          CALL VSAMIOP (VSIO_PARAMETER_BLOCK,                        24200000
 42                        VSIO_FILE_BLOCK,                             24210000
 43                        RECORD_IMAGE);                               24220000
 44          IF (VSIO_RETURN_CODE ^= VSIO_RC_SUCCESS) THEN              24230000
```

MACRO SOURCE2 LISTING

```
45             DO;                                                    24240000
46                CALL VSIO_ERROR;                                    24250000
47                RETURN;                                             24260000
48             END;                                                   24270000
49                                                                    24280000
50          DO WHILE(MORE_RECORDS);                                   24290000
51             CALL READ_RR;                                          24300000
52             IF (MORE_RECORDS) THEN                                 24310000
53                DO;                                                 24320000
54                   COUNTER_EDIT = RECORD_COUNTER;                   24330000
55                   RRN_EDIT = VSFB_KEY_LENGTH;                      24340000
56                   PRINT_AREA = COUNTER_EDIT || ':  RRN: ' ||       24350000
57                                RRN_EDIT || '  DATA: ' ||           24360000
58                                RECORD_IMAGE_SCALAR;                24370000
59                   WRITE FILE(PRINTR) FROM(PRINT_LINE);             24380000
60                END;                                                24390000
61          END;                                                      24400000
62                                                                    24410000
63       /*****************************************************************24420000
64         CALL ROUTINE TO CLOSE VSAM DATASET                         24430000
65        *****************************************************************/24440000
66          VSIO_COMMAND = VSIO_CLOSE;                                24450000
67          CALL VSAMIOP (VSIO_PARAMETER_BLOCK,                       24460000
68                        VSIO_FILE_BLOCK,                            24470000
69                        RECORD_IMAGE);                              24480000
70          IF (VSIO_RETURN_CODE ^= VSIO_RC_SUCCESS) THEN             24490000
71             CALL VSIO_ERROR;                                       24500000
72                                                                    24510000
73          RETURN;                                                   24520000
74                                                                    24530000
75       READ_RR:                                                     24540000
76          PROCEDURE;                                                24550000
77                                                                    24560000
78       /*****************************************************************24570000
79         CALL ROUTINE TO READ NEXT RECORD FROM VSAM DATASET         24580000
80        *****************************************************************/24590000
81          VSIO_COMMAND = VSIO_READ;                                 24600000
82          CALL VSAMIOP (VSIO_PARAMETER_BLOCK,                       24610000
83                        VSIO_FILE_BLOCK,                            24620000
84                        RECORD_IMAGE);                              24630000
85          IF (VSIO_RETURN_CODE ^= VSIO_RC_SUCCESS) THEN             24640000
86             IF (VSIO_RETURN_CODE = VSIO_RC_END_OF_FILE) THEN       24650000
87                MORE_RECORDS = NO;                                  24660000
88             ELSE                                                   24670000
89                CALL VSIO_ERROR;                                    24680000
```

MACRO SOURCE2 LISTING

```
 90          ELSE                                                    24690000
 91             RECORD_COUNTER = RECORD_COUNTER + 1;                 24700000
 92                                                                  24710000
 93          RETURN;                                                 24720000
 94                                                                  24730000
 95       END READ_RR;                                               24740000
 96                                                                  24750000
 97    VSIO_ERROR:                                                   24760000
 98       PROCEDURE;                                                 24770000
 99          PRINT_AREA = 'VSAMIO ERROR OCCURRED DURING ' ||         24780000
100                       VSIO_COMMAND;                             24790000
101          WRITE FILE(PRINTR) FROM(PRINT_LINE);                   24800000
102          PRINT_AREA = 'VSIO_RETURN_CODE = ' ||                  24810000
103                       VSIO_RETURN_CODE;                         24820000
104          WRITE FILE(PRINTR) FROM(PRINT_LINE);                   24830000
105          PRINT_AREA = 'VSIO_VSAM_RETURN_CODE = ' ||             24840000
106                       VSIO_VSAM_RETURN_CODE;                    24850000
107          WRITE FILE(PRINTR) FROM(PRINT_LINE);                   24860000
108          PRINT_AREA = 'VSIO_VSAM_FUNCTION_CODE = ' ||           24870000
109                       VSIO_VSAM_FUNCTION_CODE;                  24880000
110          WRITE FILE(PRINTR) FROM(PRINT_LINE);                   24890000
111          PRINT_AREA = 'VSIO_VSAM_FEEDBACK_CODE = ' ||           24900000
112                       VSIO_VSAM_FEEDBACK_CODE;                  24910000
113          WRITE FILE(PRINTR) FROM(PRINT_LINE);                   24920000
114          PRINT_AREA = ' ';                                      24930000
115                                                                 24940000
116          RETURN;                                                24950000
117                                                                 24960000
118       END VSIO_ERROR;                                           24970000
119                                                                 24980000
120       DECLARE                                                   24990000
121          PRINTR FILE OUTPUT RECORD SEQUENTIAL EXTERNAL          25000000
122             ENV(F CTLASA);                                      25010000
123                                                                 25020000
124       DECLARE                                                   25030000
125          COUNTER_EDIT                  PICTURE 'ZZ,ZZZ,ZZ9V',  25040000
126          MORE_RECORDS                  BIT(1),                 25050000
127          NO                            BIT(1)    INIT('0'B),   25060000
128          RECORD_COUNTER                FIXED BINARY(15,0),     25070000
129          RRN_EDIT                      PICTURE 'ZZ,ZZ9V',      25080000
130          YES                           BIT(1)    INIT('1'B);   25090000
131                                                                 25100000
132       DECLARE                                                   25110000
133          1 RECORD_IMAGE,                                        25120000
134             2 RECORD_KEY               CHAR(10),               25130000
```

MACRO SOURCE2 LISTING

```
135             2 RECORD_FIELDS             CHAR(70);                       25140000
136                                                                         25150000
137       DECLARE                                                           25160000
138          RECORD_IMAGE_SCALAR            DEFINED RECORD_IMAGE            25170000
139                                         CHAR(80);                       25180000
140                                                                         25190000
141       DECLARE                                                           25200000
142          1 PRINT_LINE,                                                  25210000
143             2 CARRIAGE_CONTROL          CHAR(1)   INIT(' '),            25220000
144             2 PRINT_AREA                CHAR(120);                      25230000
145                                                                         25240000
146    %INCLUDE (VSAMIO);                                                   25250000
147    %INCLUDE (VSAMIOFB);                                                 25260000
148                                                                         25270000
149       END RRDSREA;                                                      25280000
```

INCLUDED TEXT FOLLOWS FROM DD.MEMBER = SYSLIB .VSAMIO

```
150    /*****************************************************************31100000
151                                                                        31110000
152            VV   VV    SSSSS       A      M     M    IIII      OOOOO       31120000
153            VV   VV   SS   SS     AAA     MM   MM     II      OO   OO      31130000
154            VV   VV   SS         AA AA    MMM MMM     II      OO   OO      31140000
155            VV   VV    SSSSS    AA   AA   MMMMMMM     II      OO   OO      31150000
156             VV VV         SS   AA   AA   MM M MM     II      OO   OO      31160000
157              VV VV    SS   SS   AAAAAAA   MM   MM     II      OO   OO      31170000
158               VVV     SS   SS   AA   AA   MM   MM     II      OO   OO      31180000
159                V       SSSSS    AA   AA   MM   MM    IIII      OOOOO       31190000
160                                                                        31200000
161     ***************************************************************31210000
162      THESE PARAMETERS ARE USED TO INTERFACE WITH THE VSAM DATASET ACCESS  31220000
163      ROUTINE.                                                          31230000
164                                                                        31240000
165      THE VSIO_PARAMETER_VALUES SUPPLY THE VALUES USED TO MOVE INTO     31250000
166      PARAMETER ENTRIES TO TAILOR THE ROUTINE TO A SPECIFIC DATASET AND 31260000
167      TO PROVIDE COMMANDS TO DRIVE THE ROUTINE.                         31270000
168     ***************************************************************/31280000
169                                                                        31290000
170             DECLARE                                                    31300000
171                1 VSIO_PARAMETER_VALUES   STATIC,                       31310000
172                   2 VSIO_OPEN            CHAR(8)   INIT('OPEN    '),   31320000
173                   2 VSIO_CLOSE           CHAR(8)   INIT('CLOSE   '),   31330000
174                   2 VSIO_READ            CHAR(8)   INIT('READ    '),   31340000
175                   2 VSIO_WRITE           CHAR(8)   INIT('WRITE   '),   31350000
```

MACRO SOURCE2 LISTING

```
                  2 VSIO_REWRITE         CHAR(8)   INIT('REWRITE '),      31360000
                  2 VSIO_DELETE          CHAR(8)   INIT('DELETE  '),      31370000
                  2 VSIO_START_EQUAL     CHAR(8)   INIT('STARTEQ '),      31380000
                  2 VSIO_START_NOTLESS   CHAR(8)   INIT('STARTGE '),      31390000
                  2 VSIO_KSDS            CHAR(4)   INIT('KSDS'),          31400000
                  2 VSIO_ESDS            CHAR(4)   INIT('ESDS'),          31410000
                  2 VSIO_RRDS            CHAR(4)   INIT('RRDS'),          31420000
                  2 VSIO_SEQUENTIAL      CHAR(10)  INIT('SEQUENTIAL'),    31430000
                  2 VSIO_DIRECT          CHAR(10)  INIT('DIRECT    '),    31440000
                  2 VSIO_DYNAMIC         CHAR(10)  INIT('DYNAMIC   '),    31450000
                  2 VSIO_INPUT           CHAR(6)   INIT('INPUT '),        31460000
                  2 VSIO_OUTPUT          CHAR(6)   INIT('OUTPUT'),        31470000
                  2 VSIO_INPUT_OUTPUT    CHAR(6)   INIT('UPDATE'),        31480000
                  2 (VSIO_RC_SUCCESS                INIT(0),              31490000
                     VSIO_RC_LOGIC_ERROR            INIT(8),              31500000
                     VSIO_RC_END_OF_FILE            INIT(9999),           31510000
                     VSIO_RC_UNKNOWN_COMMAND        INIT(20),             31520000
                     VSIO_RC_DATASET_ALREADY_OPEN   INIT(21),             31530000
                     VSIO_RC_DATASET_NOT_OPEN       INIT(22),             31540000
                     VSIO_RC_ORGANIZATION_UNKNOWN   INIT(23),             31550000
                     VSIO_RC_ACCESS_UNKNOWN         INIT(24),             31560000
                     VSIO_RC_ORG_ACCESS_MISMATCH    INIT(25),             31570000
                     VSIO_RC_MODE_UNKNOWN           INIT(26),             31580000
                     VSIO_RC_MODE_UNSUPPORTED       INIT(27),             31590000
                     VSIO_RC_DDNAME_BLANK           INIT(28))             31600000
                                                    FIXED BINARY(15,0),   31610000
                  2 (VSIO_FB_DUPLICATE_RECORD       INIT(8),              31620000
                     VSIO_FB_KEY_SEQUENCE           INIT(12),             31630000
                     VSIO_FB_RECORD_NOT_FOUND       INIT(16),             31640000
                     VSIO_FB_NO_MORE_SPACE          INIT(28),             31650000
                     VSIO_FB_READ_WITHOUT_START     INIT(88))             31660000
                                                    FIXED BINARY(15,0),   31670000
   /*****************************************************************31680000
     THE VSIO_PARAMETER_BLOCK IS THE COMMUNICATION INTERFACE TO THE     31690000
     THE ROUTINE.                                                       31700000
    *****************************************************************/31710000
                                                                        31720000
               1 VSIO_PARAMETER_BLOCK    STATIC,                        31730000
                  2 VSIO_COMMAND         CHAR(8)   INIT(' '),           31740000
                  2 (VSIO_RETURN_CODE,                                  31750000
                     VSIO_VSAM_RC,                                      31760000
                     VSIO_VSAM_FUNCTION,                                31770000
                     VSIO_VSAM_FEEDBACK) FIXED BINARY(15,0) INIT(0);    31780000
                                                                        31790000
   /*****************************************************************31800000
```

MACRO SOURCE2 LISTING

```
221                          END OF VSAMIO COPY BOOK                    31810000
222     ***************************************************************/31820000


INCLUDED TEXT FOLLOWS FROM DD.MEMBER =  SYSLIB  .VSAMIOFB

223    /*****************************************************************00000100
224                                                                      00000200
225       VV   VV   SSSSS      A     M     M  IIII   OOOOO   FFFFFFF  BBBBBB  00000300
226       VV   VV  SS   SS    AAA    MM   MM   II   OO   OO  FF       BB   BB 00000400
227       VV   VV  SS        AA AA   MMM MMM   II   OO   OO  FF       BB   BB 00000500
228       VV   VV   SSSSS   AA   AA  MMMMMMM   II   OO   OO  FFFFF    BBBBBB  00000600
229       VV   VV       SS  AA   AA  MM M MM   II   OO   OO  FF       BB   BB 00000700
230        VV VV   SS   SS  AAAAAAA  MM   MM   II   OO   OO  FF       BB   BB 00000800
231         VVV    SS   SS  AA   AA  MM   MM   II   OO   OO  FF       BB   BB 00000900
232          V      SSSSS   AA   AA  MM   MM  IIII   OOOOO   FF       BBBBBB  00001000
233                                                                      00001100
234     ***************************************************************/00001200
235       THESE PARAMETERS ARE USED TO INTERFACE WITH THE VSAM DATASET ACCESS 00001300
236       ROUTINE, AND ARE USED TO COMMUNICATE CHARACTERISTICS FOR A SINGLE   00001400
237       VSAM DATASET.                                                      00001500
238                                                                          00001600
239       WITH THE 2 EXCEPTIONS FOR RECORD LENGTH (TO ACCOMODATE VARIABLE    00001700
240       LENGTH RECORDS) AND RELATIVE RECORD (TO ACCOMODATE RELATIVE RECORD  00001800
241       DATASETS), THESE DATA NAMES MUST BE POPULATED PRIOR TO CALLING THE  00001900
242       ROUTINE TO OPEN THE DATASET AND MUST NOT THEN BE CHANGED UNTIL THE  00002000
243       DATASET HAS BEEN CLOSED.                                           00002100
244     ***************************************************************/00002200
245                                                                          00002300
246          DECLARE                                                         00002400
247             1 VSIO_FILE_BLOCK            STATIC,                        00002500
248               2 VSFB_DDNAME              CHAR(8)   INIT(' '),           00002600
249               2 VSFB_ORGANIZATION        CHAR(4)   INIT(' '),           00002700
250               2 VSFB_ACCESS              CHAR(10)  INIT(' '),           00002800
251               2 VSFB_MODE                CHAR(6)   INIT(' '),           00002900
252               2 (VSFB_RECORD_LENGTH,                                    00003000
253                  VSFB_KEY_POSITION,                                     00003100
254                  VSFB_KEY_LENGTH)        FIXED BINARY(15,0) INIT(0),    00003200
255               2 VSFB_FILE_STATUS         CHAR(1)   INIT('C'),           00003300
256               2 VSFB_RESERVED            CHAR(161);                     00003400
257                                                                          00003500
258    /*****************************************************************00003600
259                           END OF VSAMIOFB COPY BOOK                     00003700
260     ***************************************************************/00003800
```

NO ERROR OR WARNING CONDITION HAS BEEN DETECTED FOR THIS MACRO PASS.

SOURCE LISTING.

```
                /*****************************************************************    1
                                                                                       1
                  RRDSREAD - TESTS THE VSAMIO ROUTINE BY READING RECORDS FROM AN RRDS   1
                             CLUSTER AND PRINTING THEIR CONTENTS.                       1
                                                                                       1
                 *****************************************************************/   1
                                                                                       6
1                RRDSREA:                                                              7
                    PROCEDURE OPTIONS(MAIN);                                           8
                                                                                       9
2                      ON ERROR                                                       10
3                         BEGIN;                                                      11
4                            ON ERROR SYSTEM;                                         12
5                            PUT SKIP(3) LIST((54)'*' || ' DEBUG AID ' || (54)'*');   13
6                            PUT SKIP DATA;                                           14
7                            PUT SKIP(3) LIST((54)'*' || ' DEBUG AID ' || (54)'*');   15
8                         END;                                                        16
                                                                                      17
9                      OPEN                                                           18
                          FILE(PRINTR) LINESIZE(121);                                 19
                                                                                      20
10                     PRINT_AREA = 'RRDSREAD: READ RRDS SEQUENTIALLY';               21
11                     WRITE FILE(PRINTR) FROM(PRINT_LINE);                           22
12                     PRINT_AREA = '-------------------------------';                23
13                     WRITE FILE(PRINTR) FROM(PRINT_LINE);                           24
14                     PRINT_AREA = ' ';                                              25
15                     WRITE FILE(PRINTR) FROM(PRINT_LINE);                           26
                                                                                      27
16                     MORE_RECORDS = YES;                                            28
                                                                                      29
                   /*****************************************************************  30
                     ESTABLISH PARAMETERS OF VSAM DATASET AND CALL ROUTINE TO OPEN     30
                    *****************************************************************/  30
                                                                                      32
17                     VSFB_DDNAME = 'RRDSF01';                                       33
18                     VSFB_ORGANIZATION = VSIO_RRDS;                                 34
19                     VSFB_ACCESS = VSIO_SEQUENTIAL;                                 35
20                     VSFB_MODE = VSIO_INPUT;                                        36
21                     VSFB_RECORD_LENGTH = 80;                                       37
22                     VSFB_KEY_POSITION = 0;                                         38
23                     VSFB_KEY_LENGTH = 0;                                           39
24                     VSIO_COMMAND = VSIO_OPEN;                                      40
25                     CALL VSAMIOP (VSIO_PARAMETER_BLOCK,                            41
```

```
                              VSIO_FILE_BLOCK,                                  42
                              RECORD_IMAGE);                                    43
26                   IF (VSIO_RETURN_CODE ^= VSIO_RC_SUCCESS) THEN              44
27                      DO;                                                     45
28                         CALL VSIO_ERROR;                                     46
29                         RETURN;                                              47
30                      END;                                                    48
                                                                                49
31                   DO WHILE(MORE_RECORDS);                                    50
32                      CALL READ_RR;                                           51
33                      IF (MORE_RECORDS) THEN                                  52
34                         DO;                                                  53
35                            COUNTER_EDIT = RECORD_COUNTER;                    54
36                            RRN_EDIT = VSFB_KEY_LENGTH;                       55
37                            PRINT_AREA = COUNTER_EDIT || ':  RRN: ' ||        56
                                           RRN_EDIT || '  DATA: ' ||           57
                                           RECORD_IMAGE_SCALAR;                 58
38                            WRITE FILE(PRINTR) FROM(PRINT_LINE);              59
39                         END;                                                 60
40                   END;                                                       61
                                                                                62
                  /*************************************************************  63
                    CALL ROUTINE TO CLOSE VSAM DATASET                          63
                   *************************************************************/ 63
                                                                                65
41                   VSIO_COMMAND = VSIO_CLOSE;                                 66
42                   CALL VSAMIOP (VSIO_PARAMETER_BLOCK,                        67
                              VSIO_FILE_BLOCK,                                  68
                              RECORD_IMAGE);                                    69
43                   IF (VSIO_RETURN_CODE ^= VSIO_RC_SUCCESS) THEN              70
44                      CALL VSIO_ERROR;                                        71
                                                                                72
45                   RETURN;                                                    73
                                                                                74
46                READ_RR:                                                      75
                     PROCEDURE;                                                 76
                                                                                77
                  /*************************************************************  78
                    CALL ROUTINE TO READ NEXT RECORD FROM VSAM DATASET          78
                   *************************************************************/ 78
                                                                                80
47                   VSIO_COMMAND = VSIO_READ;                                  81
48                   CALL VSAMIOP (VSIO_PARAMETER_BLOCK,                        82
                              VSIO_FILE_BLOCK,                                  83
                              RECORD_IMAGE);                                    84
49                   IF (VSIO_RETURN_CODE ^= VSIO_RC_SUCCESS) THEN              85
50                      IF (VSIO_RETURN_CODE = VSIO_RC_END_OF_FILE) THEN        86
```

```
51                        MORE_RECORDS = NO;                                  87
52                     ELSE                                                   88
52                        CALL VSIO_ERROR;                                    89
53                  ELSE                                                      90
53                     RECORD_COUNTER = RECORD_COUNTER + 1;                   91
                                                                              92
54                     RETURN;                                                93
                                                                              94
55                  END READ_RR;                                              95
                                                                              96
56               VSIO_ERROR:                                                  97
                    PROCEDURE;                                                98
57                     PRINT_AREA = 'VSAMIO ERROR OCCURRED DURING ' ||        99
                                    VSIO_COMMAND;                            100
58                     WRITE FILE(PRINTR) FROM(PRINT_LINE);                  101
59                     PRINT_AREA = 'VSIO_RETURN_CODE = ' ||                 102
                                    VSIO_RETURN_CODE;                        103
60                     WRITE FILE(PRINTR) FROM(PRINT_LINE);                  104
61                     PRINT_AREA = 'VSIO_VSAM_RETURN_CODE = ' ||            105
                                    VSIO_VSAM_RETURN_CODE;                   106
62                     WRITE FILE(PRINTR) FROM(PRINT_LINE);                  107
63                     PRINT_AREA = 'VSIO_VSAM_FUNCTION_CODE = ' ||          108
                                    VSIO_VSAM_FUNCTION_CODE;                 109
64                     WRITE FILE(PRINTR) FROM(PRINT_LINE);                  110
65                     PRINT_AREA = 'VSIO_VSAM_FEEDBACK_CODE = ' ||          111
                                    VSIO_VSAM_FEEDBACK_CODE;                 112
66                     WRITE FILE(PRINTR) FROM(PRINT_LINE);                  113
67                     PRINT_AREA = ' ';                                     114
                                                                             115
68                     RETURN;                                               116
                                                                             117
69                  END VSIO_ERROR;                                          118
                                                                             119
70                  DECLARE                                                  120
                       PRINTR FILE OUTPUT RECORD SEQUENTIAL EXTERNAL         121
                          ENV(F CTLASA);                                     122
                                                                             123
71                  DECLARE                                                  124
                       COUNTER_EDIT                 PICTURE 'ZZ,ZZZ,ZZ9V',  125
                       MORE_RECORDS                 BIT(1),                 126
                       NO                           BIT(1)    INIT('0'B),   127
                       RECORD_COUNTER               FIXED BINARY(15,0),     128
                       RRN_EDIT                     PICTURE 'ZZ,ZZ9V',      129
                       YES                          BIT(1)    INIT('1'B);   130
                                                                             131
72                  DECLARE                                                  132
                       1 RECORD_IMAGE,                                       133
```

```
                     2 RECORD_KEY                CHAR(10),                          134
                     2 RECORD_FIELDS             CHAR(70);                          135
                                                                                    136
73                DECLARE                                                           137
                     RECORD_IMAGE_SCALAR         DEFINED RECORD_IMAGE               138
                                                 CHAR(80);                          139
                                                                                    140
74                DECLARE                                                           141
                     1 PRINT_LINE,                                                  142
                        2 CARRIAGE_CONTROL       CHAR(1)   INIT(' '),               143
                        2 PRINT_AREA             CHAR(120);                         144
                                                                                    145
                  /*****************************************************************  150
                                                                                    150
                        VV   VV    SSSSS       A      M     M    IIII      OOOOO     150
                        VV   VV   SS   SS     AAA     MM   MM     II      OO   OO    150
                        VV   VV   SS         AA AA    MMM MMM     II      OO   OO    150
                        VV   VV    SSSSS    AA   AA   MMMMMMM     II      OO   OO    150
                        VV   VV        SS   AA   AA   MM M MM     II      OO   OO    150
                         VV VV    SS   SS   AAAAAAA   MM   MM     II      OO   OO    150
                          VVV     SS   SS   AA   AA   MM   MM     II      OO   OO    150
                           V       SSSSS    AA   AA   MM   MM    IIII      OOOOO     150
                                                                                    150
                   *****************************************************************  150
                    THESE PARAMETERS ARE USED TO INTERFACE WITH THE VSAM DATASET ACCESS  150
                    ROUTINE.                                                        150
                                                                                    150
                    THE VSIO_PARAMETER_VALUES SUPPLY THE VALUES USED TO MOVE INTO   150
                    PARAMETER ENTRIES TO TAILOR THE ROUTINE TO A SPECIFIC DATASET AND  150
                    TO PROVIDE COMMANDS TO DRIVE THE ROUTINE.                       150
                  *****************************************************************/  150
                                                                                    168
75                DECLARE                                                           170
                     1 VSIO_PARAMETER_VALUES  STATIC,                               171
                        2 VSIO_OPEN           CHAR(8)   INIT('OPEN    '),          172
                        2 VSIO_CLOSE          CHAR(8)   INIT('CLOSE   '),          173
                        2 VSIO_READ           CHAR(8)   INIT('READ    '),          174
                        2 VSIO_WRITE          CHAR(8)   INIT('WRITE   '),          175
                        2 VSIO_REWRITE        CHAR(8)   INIT('REWRITE '),          176
                        2 VSIO_DELETE         CHAR(8)   INIT('DELETE  '),          177
                        2 VSIO_START_EQUAL    CHAR(8)   INIT('STARTEQ '),          178
                        2 VSIO_START_NOTLESS  CHAR(8)   INIT('STARTGE '),          179
                        2 VSIO_KSDS           CHAR(4)   INIT('KSDS'),              180
                        2 VSIO_ESDS           CHAR(4)   INIT('ESDS'),              181
                        2 VSIO_RRDS           CHAR(4)   INIT('RRDS'),              182
                        2 VSIO_SEQUENTIAL     CHAR(10)  INIT('SEQUENTIAL'),        183
                        2 VSIO_DIRECT         CHAR(10)  INIT('DIRECT    '),        184
```

```
                        2 VSIO_DYNAMIC         CHAR(10)  INIT('DYNAMIC   '),      185
                        2 VSIO_INPUT           CHAR(6)   INIT('INPUT '),          186
                        2 VSIO_OUTPUT          CHAR(6)   INIT('OUTPUT'),          187
                        2 VSIO_INPUT_OUTPUT    CHAR(6)   INIT('UPDATE'),          188
                        2 (VSIO_RC_SUCCESS                INIT(0),                189
                           VSIO_RC_LOGIC_ERROR            INIT(8),                190
                           VSIO_RC_END_OF_FILE            INIT(9999),             191
                           VSIO_RC_UNKNOWN_COMMAND        INIT(20),               192
                           VSIO_RC_DATASET_ALREADY_OPEN   INIT(21),               193
                           VSIO_RC_DATASET_NOT_OPEN       INIT(22),               194
                           VSIO_RC_ORGANIZATION_UNKNOWN   INIT(23),               195
                           VSIO_RC_ACCESS_UNKNOWN         INIT(24),               196
                           VSIO_RC_ORG_ACCESS_MISMATCH    INIT(25),               197
                           VSIO_RC_MODE_UNKNOWN           INIT(26),               198
                           VSIO_RC_MODE_UNSUPPORTED       INIT(27),               199
                           VSIO_RC_DDNAME_BLANK           INIT(28))               200
                                                 FIXED BINARY(15,0),               201
                        2 (VSIO_FB_DUPLICATE_RECORD       INIT(8),                202
                           VSIO_FB_KEY_SEQUENCE           INIT(12),               203
                           VSIO_FB_RECORD_NOT_FOUND       INIT(16),               204
                           VSIO_FB_NO_MORE_SPACE          INIT(28),               205
                           VSIO_FB_READ_WITHOUT_START     INIT(88))               206
                                                 FIXED BINARY(15,0),               207
                     /*************************************************************  208
                       THE VSIO_PARAMETER_BLOCK IS THE COMMUNICATION INTERFACE TO THE  208
                       THE ROUTINE.                                                   208
                      *************************************************************/  208
                                                                                      211
                      1 VSIO_PARAMETER_BLOCK    STATIC,                             213
                         2 VSIO_COMMAND         CHAR(8)   INIT(' '),                214
                         2 (VSIO_RETURN_CODE,                                       215
                            VSIO_VSAM_RC,                                           216
                            VSIO_VSAM_FUNCTION,                                     217
                            VSIO_VSAM_FEEDBACK) FIXED BINARY(15,0) INIT(0);         218
                                                                                    219
                   /*************************************************************  220
                                        END OF VSAMIO COPY BOOK                     220
                    *************************************************************/  220
                   /*************************************************************  223
                                                                                    223
                      VV   VV   SSSSS      A     M     M  IIII   OOOOO   FFFFFFF  BBBBBB   223
                      VV   VV  SS   SS    AAA    MM   MM   II   OO   OO  FF       BB   BB  223
                      VV   VV  SS        AA AA   MMM MMM   II   OO   OO  FF       BB   BB  223
                      VV   VV   SSSSS   AA   AA  MMMMMMM   II   OO   OO  FFFFF    BBBBBB   223
                      VV   VV       SS  AA   AA  MM M MM   II   OO   OO  FF       BB   BB  223
                       VV VV    SS   SS  AAAAAAA  MM   MM   II   OO   OO  FF       BB   BB  223
                        VVV     SS   SS  AA   AA  MM   MM   II   OO   OO  FF       BB   BB  223
```

```
                    V      SSSSS   AA   AA  MM   MM  IIII   OOOOO   FF       BBBBBB    223
                                                                                       223
                  ***********************************************************************  223
                    THESE PARAMETERS ARE USED TO INTERFACE WITH THE VSAM DATASET ACCESS   223
                    ROUTINE, AND ARE USED TO COMMUNICATE CHARACTERISTICS FOR A SINGLE     223
                    VSAM DATASET.                                                         223
                                                                                          223
                    WITH THE 2 EXCEPTIONS FOR RECORD LENGTH (TO ACCOMODATE VARIABLE       223
                    LENGTH RECORDS) AND RELATIVE RECORD (TO ACCOMODATE RELATIVE RECORD    223
                    DATASETS), THESE DATA NAMES MUST BE POPULATED PRIOR TO CALLING THE    223
                    ROUTINE TO OPEN THE DATASET AND MUST NOT THEN BE CHANGED UNTIL THE    223
                    DATASET HAS BEEN CLOSED.                                              223
                  ***********************************************************************/  223
                                                                                          244
76                  DECLARE                                                               246
                       1 VSIO_FILE_BLOCK            STATIC,                               247
                          2 VSFB_DDNAME             CHAR(8)   INIT(' '),                  248
                          2 VSFB_ORGANIZATION       CHAR(4)   INIT(' '),                  249
                          2 VSFB_ACCESS             CHAR(10)  INIT(' '),                  250
                          2 VSFB_MODE               CHAR(6)   INIT(' '),                  251
                          2 (VSFB_RECORD_LENGTH,                                          252
                             VSFB_KEY_POSITION,                                           253
                             VSFB_KEY_LENGTH)       FIXED BINARY(15,0) INIT(0),           254
                          2 VSFB_FILE_STATUS        CHAR(1)   INIT('C'),                  255
                          2 VSFB_RESERVED           CHAR(161);                            256
                                                                                          257
                  /***********************************************************************  258
                                        END OF VSAMIOFB COPY BOOK                         258
                  ***********************************************************************/  258
                                                                                          148
77                    END RRDSREA;                                                        149
```

ATTRIBUTE AND CROSS-REFERENCE TABLE

DCL NO.	IDENTIFIER	ATTRIBUTES AND REFERENCES
74	CARRIAGE_CONTROL	IN PRINT_LINE,AUTOMATIC,UNALIGNED,INITIAL,STRING(1),CHARACTER
71	COUNTER_EDIT	AUTOMATIC,UNALIGNED,DECIMAL,PICTURE(ZZ,ZZZ,ZZ9V) 35,37
71	MORE_RECORDS	AUTOMATIC,UNALIGNED,STRING(1),BIT 16,31,33,51
71	NO	AUTOMATIC,UNALIGNED,INITIAL,STRING(1),BIT 51
74	PRINT_AREA	IN PRINT_LINE,AUTOMATIC,UNALIGNED,STRING(120),CHARACTER 10,12,14,37,57,59,61,63,65,67
74	PRINT_LINE	AUTOMATIC,STRUCTURE 11,13,15,38,58,60,62,64,66
70	PRINTR	FILE,EXTERNAL,OUTPUT,RECORD,SEQUENTIAL,ENVIRONMENT(F CTLASA) 9,11,13,15,38,58,60,62,64,66
46	READ_RR	ENTRY,DECIMAL,FLOAT(SINGLE) 32
71 *********	RECORD_COUNTER	AUTOMATIC,ALIGNED,BINARY,FIXED(15,0) 35,53,53
72	RECORD_FIELDS	IN RECORD_IMAGE,AUTOMATIC,UNALIGNED,STRING(70),CHARACTER
72	RECORD_IMAGE	AUTOMATIC,STRUCTURE 25,42,48
73	RECORD_IMAGE_SCALAR	AUTOMATIC,DEFINED,UNALIGNED,STRING(80),CHARACTER 37
72	RECORD_KEY	IN RECORD_IMAGE,AUTOMATIC,UNALIGNED,STRING(10),CHARACTER
1	RRDSREA	ENTRY,DECIMAL,FLOAT(SINGLE)
71	RRN_EDIT	AUTOMATIC,UNALIGNED,DECIMAL,PICTURE(ZZ,ZZ9V) 36,37

DCL NO.		IDENTIFIER	ATTRIBUTES AND REFERENCES
		SYSPRINT	FILE,EXTERNAL 5,6,7
		VSAMIOP	EXTERNAL,ENTRY,DECIMAL,FLOAT(SINGLE) 25,42,48
76		VSFB_ACCESS	IN VSIO_FILE_BLOCK,STATIC,UNALIGNED,INITIAL,STRING(10),CHARACTER 19
76		VSFB_DDNAME	IN VSIO_FILE_BLOCK,STATIC,UNALIGNED,INITIAL,STRING(8),CHARACTER 17
76		VSFB_FILE_STATUS	IN VSIO_FILE_BLOCK,STATIC,UNALIGNED,INITIAL,STRING(1),CHARACTER
76	*********	VSFB_KEY_LENGTH	IN VSIO_FILE_BLOCK,STATIC,ALIGNED,INITIAL,BINARY,FIXED(15,0) 23,36
76	*********	VSFB_KEY_POSITION	IN VSIO_FILE_BLOCK,STATIC,ALIGNED,INITIAL,BINARY,FIXED(15,0) 22
76		VSFB_MODE	IN VSIO_FILE_BLOCK,STATIC,UNALIGNED,INITIAL,STRING(6),CHARACTER 20
76		VSFB_ORGANIZATION	IN VSIO_FILE_BLOCK,STATIC,UNALIGNED,INITIAL,STRING(4),CHARACTER 18
76	*********	VSFB_RECORD_LENGTH	IN VSIO_FILE_BLOCK,STATIC,ALIGNED,INITIAL,BINARY,FIXED(15,0) 21
76		VSFB_RESERVED	IN VSIO_FILE_BLOCK,STATIC,UNALIGNED,STRING(161),CHARACTER
75		VSIO_CLOSE	IN VSIO_PARAMETER_VALUES,STATIC,UNALIGNED,INITIAL,STRING(8), CHARACTER 41
75		VSIO_COMMAND	IN VSIO_PARAMETER_BLOCK,STATIC,UNALIGNED,INITIAL,STRING(8), CHARACTER 24,41,47,57
75		VSIO_DELETE	IN VSIO_PARAMETER_VALUES,STATIC,UNALIGNED,INITIAL,STRING(8), CHARACTER
75		VSIO_DIRECT	IN VSIO_PARAMETER_VALUES,STATIC,UNALIGNED,INITIAL,STRING(10), CHARACTER

DCL NO.		IDENTIFIER	ATTRIBUTES AND REFERENCES
75		VSIO_DYNAMIC	IN VSIO_PARAMETER_VALUES,STATIC,UNALIGNED,INITIAL,STRING(10), CHARACTER
56		VSIO_ERROR	ENTRY,DECIMAL,FLOAT(SINGLE) 28,44,52
75		VSIO_ESDS	IN VSIO_PARAMETER_VALUES,STATIC,UNALIGNED,INITIAL,STRING(4), CHARACTER
75	*********	VSIO_FB_DUPLICATE_RECORD	IN VSIO_PARAMETER_VALUES,STATIC,ALIGNED,INITIAL,BINARY,FIXED (15,0)
75	*********	VSIO_FB_KEY_SEQUENCE	IN VSIO_PARAMETER_VALUES,STATIC,ALIGNED,INITIAL,BINARY,FIXED (15,0)
75	*********	VSIO_FB_NO_MORE_SPACE	IN VSIO_PARAMETER_VALUES,STATIC,ALIGNED,INITIAL,BINARY,FIXED (15,0)
75	*********	VSIO_FB_READ_WITHOUT_START	IN VSIO_PARAMETER_VALUES,STATIC,ALIGNED,INITIAL,BINARY,FIXED (15,0)
75	*********	VSIO_FB_RECORD_NOT_FOUND	IN VSIO_PARAMETER_VALUES,STATIC,ALIGNED,INITIAL,BINARY,FIXED (15,0)
76		VSIO_FILE_BLOCK	STATIC,STRUCTURE 25,42,48
75		VSIO_INPUT	IN VSIO_PARAMETER_VALUES,STATIC,UNALIGNED,INITIAL,STRING(6), CHARACTER 20
75		VSIO_INPUT_OUTPUT	IN VSIO_PARAMETER_VALUES,STATIC,UNALIGNED,INITIAL,STRING(6), CHARACTER
75		VSIO_KSDS	IN VSIO_PARAMETER_VALUES,STATIC,UNALIGNED,INITIAL,STRING(4), CHARACTER
75		VSIO_OPEN	IN VSIO_PARAMETER_VALUES,STATIC,UNALIGNED,INITIAL,STRING(8), CHARACTER 24
75		VSIO_OUTPUT	IN VSIO_PARAMETER_VALUES,STATIC,UNALIGNED,INITIAL,STRING(6), CHARACTER
75		VSIO_PARAMETER_BLOCK	STATIC,STRUCTURE

DCL NO.		IDENTIFIER	ATTRIBUTES AND REFERENCES
			25,42,48
75		VSIO_PARAMETER_VALUES	STATIC,STRUCTURE
75	*********	VSIO_RC_ACCESS_UNKNOWN	IN VSIO_PARAMETER_VALUES,STATIC,ALIGNED,INITIAL,BINARY,FIXED (15,0)
75	*********	VSIO_RC_DATASET_ALREADY_OPEN	IN VSIO_PARAMETER_VALUES,STATIC,ALIGNED,INITIAL,BINARY,FIXED (15,0)
75	*********	VSIO_RC_DATASET_NOT_OPEN	IN VSIO_PARAMETER_VALUES,STATIC,ALIGNED,INITIAL,BINARY,FIXED (15,0)
75	*********	VSIO_RC_DDNAME_BLANK	IN VSIO_PARAMETER_VALUES,STATIC,ALIGNED,INITIAL,BINARY,FIXED (15,0)
75	*********	VSIO_RC_END_OF_FILE	IN VSIO_PARAMETER_VALUES,STATIC,ALIGNED,INITIAL,BINARY,FIXED (15,0) 50
75	*********	VSIO_RC_LOGIC_ERROR	IN VSIO_PARAMETER_VALUES,STATIC,ALIGNED,INITIAL,BINARY,FIXED (15,0)
75	*********	VSIO_RC_MODE_UNKNOWN	IN VSIO_PARAMETER_VALUES,STATIC,ALIGNED,INITIAL,BINARY,FIXED (15,0)
75	*********	VSIO_RC_MODE_UNSUPPORTED	IN VSIO_PARAMETER_VALUES,STATIC,ALIGNED,INITIAL,BINARY,FIXED (15,0)
75	*********	VSIO_RC_ORG_ACCESS_MISMATCH	IN VSIO_PARAMETER_VALUES,STATIC,ALIGNED,INITIAL,BINARY,FIXED (15,0)
75	*********	VSIO_RC_ORGANIZATION_UNKNOWN	IN VSIO_PARAMETER_VALUES,STATIC,ALIGNED,INITIAL,BINARY,FIXED (15,0)
75	*********	VSIO_RC_SUCCESS	IN VSIO_PARAMETER_VALUES,STATIC,ALIGNED,INITIAL,BINARY,FIXED (15,0) 26,43,49
75	*********	VSIO_RC_UNKNOWN_COMMAND	IN VSIO_PARAMETER_VALUES,STATIC,ALIGNED,INITIAL,BINARY,FIXED (15,0)
75		VSIO_READ	IN VSIO_PARAMETER_VALUES,STATIC,UNALIGNED,INITIAL,STRING(8), CHARACTER 47

DCL NO.	IDENTIFIER	ATTRIBUTES AND REFERENCES
75 *********	VSIO_RETURN_CODE	IN VSIO_PARAMETER_BLOCK,STATIC,ALIGNED,INITIAL,BINARY,FIXED (15,0) 26,43,49,50,59
75	VSIO_REWRITE	IN VSIO_PARAMETER_VALUES,STATIC,UNALIGNED,INITIAL,STRING(8), CHARACTER
75	VSIO_RRDS	IN VSIO_PARAMETER_VALUES,STATIC,UNALIGNED,INITIAL,STRING(4), CHARACTER 18
75	VSIO_SEQUENTIAL	IN VSIO_PARAMETER_VALUES,STATIC,UNALIGNED,INITIAL,STRING(10), CHARACTER 19
75	VSIO_START_EQUAL	IN VSIO_PARAMETER_VALUES,STATIC,UNALIGNED,INITIAL,STRING(8), CHARACTER
75	VSIO_START_NOTLESS	IN VSIO_PARAMETER_VALUES,STATIC,UNALIGNED,INITIAL,STRING(8), CHARACTER
75 *********	VSIO_VSAM_FEEDBACK	IN VSIO_PARAMETER_BLOCK,STATIC,ALIGNED,INITIAL,BINARY,FIXED (15,0)
	VSIO_VSAM_FEEDBACK_CODE	AUTOMATIC,ALIGNED,DECIMAL,FLOAT(SINGLE) 65
75 *********	VSIO_VSAM_FUNCTION	IN VSIO_PARAMETER_BLOCK,STATIC,ALIGNED,INITIAL,BINARY,FIXED (15,0)
	VSIO_VSAM_FUNCTION_CODE	AUTOMATIC,ALIGNED,DECIMAL,FLOAT(SINGLE) 63
75 *********	VSIO_VSAM_RC	IN VSIO_PARAMETER_BLOCK,STATIC,ALIGNED,INITIAL,BINARY,FIXED (15,0)
	VSIO_VSAM_RETURN_CODE	AUTOMATIC,ALIGNED,DECIMAL,FLOAT(SINGLE) 61
75	VSIO_WRITE	IN VSIO_PARAMETER_VALUES,STATIC,UNALIGNED,INITIAL,STRING(8), CHARACTER
71	YES	AUTOMATIC,UNALIGNED,INITIAL,STRING(1),BIT 16

AGGREGATE LENGTH TABLE

STATEMENT NO.	IDENTIFIER	LENGTH IN BYTES
74	PRINT_LINE	121
72	RECORD_IMAGE	80
76	VSIO_FILE_BLOCK	196
75	VSIO_PARAMETER_BLOCK	16
75	VSIO_PARAMETER_VALUES	158

STORAGE REQUIREMENTS.

THE STORAGE AREA FOR THE PROCEDURE LABELLED RRDSREA IS 616 BYTES LONG.

THE STORAGE AREA FOR THE ON UNIT AT STATEMENT NO. 3 IS 184 BYTES LONG.

THE STORAGE AREA (IN STATIC) FOR THE PROCEDURE LABELLED READ_RR IS 176 BYTES LONG.

THE STORAGE AREA (IN STATIC) FOR THE PROCEDURE LABELLED VSIO_ERROR IS 256 BYTES LONG.

THE PROGRAM CSECT IS NAMED RRDSREA AND IS 1606 BYTES LONG.

THE STATIC CSECT IS NAMED RRDSREAA AND IS 5496 BYTES LONG.

STATISTICS MACRO RECORDS = 260,SOURCE RECORDS = 262,PROG TEXT STMNTS = 77,OBJECT BYTES = 1606

TABLE OF OFFSETS AND STATEMENT NUMBERS WITHIN ON UNIT

OFFSET (HEX) 0000 0050 005C 007A 0094 00B2
STATEMENT NO 3 4 5 6 7 8

TABLE OF OFFSETS AND STATEMENT NUMBERS WITHIN PROCEDURE READ_RR

OFFSET (HEX) 0000 0034 003A 005A 0066 0072 0080 008E 009E 00A4
STATEMENT NO 46 47 48 49 50 51 52 53 54 55

TABLE OF OFFSETS AND STATEMENT NUMBERS WITHIN PROCEDURE VSIO_ERROR

OFFSET (HEX) 0000 0038 0052 006A 00B6 00CE 0104 011C 014E 0166 0198 01B0 01BC 01C2
STATEMENT NO 56 57 58 59 60 61 62 63 64 65 66 67 68 69

TABLE OF OFFSETS AND STATEMENT NUMBERS WITHIN PROCEDURE RRDSREA

OFFSET (HEX) 0000 00C4 00D2 00DC 00E8 0100 010C 0124 0130 0148 014E 0154 015A 015A 0160 0166 016C 0172 0178 0194 01A0
STATEMENT NO 1 2 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27

OFFSET (HEX) 01A0 01AA 01B0 01B0 01B8 01C2 01CA 01CA 01E4 0204 023C 0254 0254 0258 025E 027A 0286 0290 0296
STATEMENT NO 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 77

COMPILER DIAGNOSTICS.

WARNINGS.

IEM0227I NO FILE/STRING OPTION SPECIFIED IN ONE OR MORE GET/PUT STATEMENTS. SYSIN/SYSPRINT HAS BEEN ASSUMED IN EACH CASE.

IEM0764I ONE OR MORE FIXED BINARY ITEMS OF PRECISION 15 OR LESS HAVE BEEN GIVEN HALFWORD STORAGE. THEY ARE FLAGGED '*********' IN THE XREF/ATR LIST.

IEM1790I DATA CONVERSIONS WILL BE DONE BY SUBROUTINE CALL IN THE FOLLOWING STATEMENTS 61, 63, 65.

END OF DIAGNOSTICS.

AUXILIARY STORAGE WILL NOT BE USED FOR DICTIONARY WHEN SIZE = 138K

COMPILE TIME .00 MINS

ELAPSED TIME .00 MINS

```
 F64-LEVEL LINKAGE EDITOR OPTIONS SPECIFIED   NONE
          DEFAULT OPTION(S) USED -  SIZE=(231424,55296)
****GO        DOES NOT EXIST BUT HAS BEEN ADDED TO DATA SET
AUTHORIZATION CODE IS         0.
```

```
RRDSREAD: READ RRDS SEQUENTIALLY
--------------------------------

         1:  RRN:      1  DATA: 0045557001 LISA L FONTAINE      714 SUNSET PLACE           SAN ANTONIO     TX
         2:  RRN:      2  DATA: 0130758002 VIRGINIA O RENFRO    2111 BRIDGE AVENUE         BRIDGEPORT      CT
         3:  RRN:      3  DATA: 0243081003 JILL W SCHWAB        5641 WASHINGTON STREET     WEST PALM BEACH FL
         4:  RRN:      4  DATA: 0366881004 LUCY J CHILDRESS     2777 GUADLAUPE BLVD        ROSWELL         GA
         5:  RRN:      5  DATA: 0517579005 DEBRA K RODGERS      1048 WINDHAM COURT         GREENVILLE      SC
         6:  RRN:      6  DATA: 0561094006 TAMMY L SCHAEFER     3911 KINGS RIDGE STREET    EUGENE          OR
         7:  RRN:      7  DATA: 0593878007 LOUIS W HORTON       9722 EASTHAVEN STREET      DES PLAINES     IL
         8:  RRN:      8  DATA: 0725148008 BRIAN A HODGES       4292 BONANZA STREET        ENGLEWOOD       CO
         9:  RRN:      9  DATA: 0930005009 RUSSELL B HASTINGS   226 WINDTREE STREET        ALBANY          NY
        10:  RRN:     10  DATA: 0994201010 ADOLF S CARLISLE     936 LAKEFRONT AVENUE       ROANOAK         VA
        11:  RRN:     11  DATA: 1033846021 CHERYL I TUCKER      660 SHORE ROAD             LOUISVILLE      KY
        12:  RRN:     12  DATA: 1098019022 HANNAH F QUIMBY      6151 MAIN COURT            PHOENIX         AZ
        13:  RRN:     13  DATA: 1168050023 TAMMY J FRANKLIN     5226 ROSA LINDA ROAD       LOUISVILLE      KY
        14:  RRN:     14  DATA: 1371074024 TAMMY M HARMON       243 KINGS RIDGE STREET     GREENVILLE      SC
        15:  RRN:     15  DATA: 1442146025 LUCY H ERICKSON      6207 RIDGEWAY AVENUE       KANSAS CITY     MO
        16:  RRN:     16  DATA: 1511914026 SAMANTHA J TEMPLETON 1534 SUN MEADOW AVENUE     FORT LAUDERDALE FL
        17:  RRN:     17  DATA: 1765093027 DANIEL I GOODWIN     1660 BRIGHT AVENUE         DALLAS          TX
        18:  RRN:     18  DATA: 1766129028 JOYCE R NORTON       907 BRANDYWINE CIRCLE      SAN ANTONIO     TX
        19:  RRN:     19  DATA: 1778910029 JUDITH H JEFFERSON   766 KNICKERBOCKER PLACE    SIOUX FALLS     SD
        20:  RRN:     20  DATA: 1907611030 KEITH E NEWTON       143 BUCKLEY AVENUE         BALDWIN         MO
        21:  RRN:     21  DATA: 2119032041 RUTH E GASTON        8754 GARDEN PLACE          FORT LAUDERDALE FL
        22:  RRN:     22  DATA: 2121744042 TROY J NORRIS        716 HILLSIDE ROAD          DENTON          TX
        23:  RRN:     23  DATA: 2174003043 SHIRLEY V MATTOX     1260 SHORE AVENUE          FALLS VILLAGE   CT
        24:  RRN:     24  DATA: 2229822044 LUCY T HAMMOND       587 CARBONDALE COURT       SALINA          KS
        25:  RRN:     25  DATA: 2231748045 SCOTT F HABERMANN    336 BALBOA AVENUE          LAGO VISTA      TX
        26:  RRN:     26  DATA: 2324761046 EVERETT L HAMMOND    5912 BISHOP AVENUE         KEARNEY         NE
        27:  RRN:     27  DATA: 2363024047 REBECCA A GERBLICK   1617 PARKER AVENUE         SALINA          KS
        28:  RRN:     28  DATA: 2483871048 SAMANTHA T MOORE     3586 STRAWBERRY COURT      PONCA CITY      OK
        29:  RRN:     29  DATA: 2522284049 WANDA J TUCKER       7807 WINDTREE ROAD         SAN ANTONIO     TX
        30:  RRN:     30  DATA: 2597002050 HELEN H FONTAINE     852 WESTRIDGE AVENUE       FORT LAUDERDALE FL
        31:  RRN:     31  DATA: 2806628061 ANDREW T MORENO      8900 WASHINGTON STREET     PROVIDENCE      RI
        32:  RRN:     32  DATA: 2822279062 BEVERLY F WINSTON    5585 CHARLESTON ROAD       BOSTON          MA
        33:  RRN:     33  DATA: 2845743063 ZELDA W RANDALL      639 SOUTHLAND ROAD         FOREST HEIGHTS  MD
        34:  RRN:     34  DATA: 2858277064 CLARA F BRYANT       529 BARNABY STREET         LOUISVILLE      KY
        35:  RRN:     35  DATA: 3071401065 MICHELLE A ROSS      188 EASTHAVEN AVENUE       BUFFALO         NY
        36:  RRN:     36  DATA: 3129003066 BILL W BECK          1798 SEABREEZE AVENUE      BOSTON          MA
        37:  RRN:     37  DATA: 3284189067 RITA N RENFRO        7881 DAISY COURT           SIOUX FALLS     SD
        38:  RRN:     38  DATA: 3489628068 ARNOLD R ELISON      465 MAIN AVENUE            TULSA           OK
        39:  RRN:     39  DATA: 3775212069 HANNAH J GLOVER      3791 SEABREEZE STREET      NASHAU          NH
        40:  RRN:     40  DATA: 3786163070 REBECCA D DOREN      8730 STRAWBERRY ROAD       SPRING          TX
        41:  RRN:     41  DATA: 3851331081 CLIFF J DRAKE        169 SHORE AVENUE           CHICAGO         IL
        42:  RRN:     42  DATA: 3912384082 CRAIG O LABROIE      8021 MILL MOUNTAIN PLACE   MURFREESBORO    TN
        43:  RRN:     43  DATA: 4077702083 ROLAND P RODGERS     827 MEADOW STREET          TULSA           OK
        44:  RRN:     44  DATA: 4093285084 JACK J SCHWAB        250 BUCKLEY PLACE          CHICAGO         IL
        45:  RRN:     45  DATA: 4176588085 BRENDA O MCKAY       315 A & M PLACE            LA HABRA        CA
        46:  RRN:     46  DATA: 4197550086 TROY S POWERS        1707 BRIDGE STREET         ENGLEWOOD       CO
        47:  RRN:     47  DATA: 4318291087 SAMANTHA M HALL      8063 EDMUND AVENUE         SAN ANTONIO     TX
        48:  RRN:     48  DATA: 4461486088 SAMANTHA E MORENO    5196 BAYVIEW PLACE         BRIDGEPORT      CT
        49:  RRN:     49  DATA: 4514067089 JIM B RIGHT          568 GREEN VALLEY AVENUE    HOUSTON         TX
        50:  RRN:     50  DATA: 4588719090 SHIRLEY D JOHNSON    716 COBBS ROAD             TULSA           OK
        51:  RRN:     51  DATA: 4776111101 JOSEPH P HAMMOND     6532 BRANDYWINE STREET     PASADENA        CA
        52:  RRN:     52  DATA: 4813060102 REBECCA S NORTON     1175 ELLIS COURT           LOUISVILLE      KY
        53:  RRN:     53  DATA: 4862587103 JILL M BENSON        170 SIERRA VISTA ROAD      HELENA          MT
        54:  RRN:     54  DATA: 4893602104 LAURIE R RAMSEY      902 PECAN VALLEY STREET    PONCA CITY      OK
        55:  RRN:     55  DATA: 4934781105 CHERYL H HABERMANN   930 CLIFTWOOD AVENUE       BUFFALO         NY
        56:  RRN:     56  DATA: 5105151106 SHIRLEY P TYLER      5262 BRIDGE CIRCLE         FORT COLLINS    CO
        57:  RRN:     57  DATA: 5220743107 CHRISTOPHER F MORGAN 9624 BONANZA AVENUE        DOWNEY          CA
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58:	RRN:	58	DATA: 5239514108	NATHAN O SCHAEFER	7644 INDUSTRIAL ROAD	EUGENE	OR
59:	RRN:	59	DATA: 5462366109	DIANE P JENNINGS	2454 ROSA LINDA ROAD	KNOXVILLE	TN
60:	RRN:	60	DATA: 5470384110	JILL F ROSS	949 ROSEWOOD STREET	BALDWIN	MO
61:	RRN:	61	DATA: 5582803121	ANGELA J ERWIN	2709 BIENVILLE STREET	NEWPORT BEACH	CA
62:	RRN:	62	DATA: 5618369122	PETER F ALEXANDER	5500 KNICKERBOCKER AVENUE	BINGHAMTON	NY
63:	RRN:	63	DATA: 5731895123	BETTY H BOWERS	3787 WINDWOOD PLACE	SALT LAKE CITY	UT
64:	RRN:	64	DATA: 5764671124	PETER L SCHAEFER	358 ATOLL STREET	PASADENA	CA
65:	RRN:	65	DATA: 5867208125	JOYCE K JENNINGS	1580 ROSA LINDA COURT	TUCSON	AZ
66:	RRN:	66	DATA: 5877149126	ROBERT P GLOVER	6394 PARSON ROAD	NORWALK	CT
67:	RRN:	67	DATA: 5922222127	RUTH N ALEXANDER	259 SEASIDE ROAD	ANNAPOLIS	MD
68:	RRN:	68	DATA: 6007109128	JARED D HILLFORD	879 MICHIGAN AVENUE	PONCA CITY	OK
69:	RRN:	69	DATA: 6131803129	HELEN R DRAKE	263 BENSON STREET	DENVER	CO
70:	RRN:	70	DATA: 6212865130	JOYCE C EUBANKS	516 WESTRIDGE BLVD	WEST BRADENTON	FL
71:	RRN:	71	DATA: 6288450141	DEBRA B JACKSON	7426 PARSON ROAD	MINNEAPOLIS	MN
72:	RRN:	72	DATA: 6315453142	BILL M TEASDALE	608 LINCOLN ROAD	FORT WORTH	TX
73:	RRN:	73	DATA: 6426347143	PATTY C ELISON	5454 LINCOLN AVENUE	DETROIT	MI
74:	RRN:	74	DATA: 6532928144	HANNAH O NEWBURY	3634 SIERRA VISTA STREET	BOSTON	MA
75:	RRN:	75	DATA: 6552938145	BETTY V POWERS	454 JUNIPER AVENUE	ANN ARBOR	MI
76:	RRN:	76	DATA: 6565164146	JACK H EUBANKS	3699 SOUTHLAND PLACE	FREMONT	CA
77:	RRN:	77	DATA: 6613600147	TAMMY O EUBANKS	5230 DAISY AVENUE	KEARNEY	NE
78:	RRN:	78	DATA: 6660837148	BRIAN T PARRISH	751 PECAN VALLEY COURT	ANN ARBOR	MI
79:	RRN:	79	DATA: 6740697149	LARRY O MORENO	6565 JACKSON STREET	EUGENE	OR
80:	RRN:	80	DATA: 6865914150	DEBRA F BOWERS	8793 GARDEN AVENUE	DES PLAINES	IL
81:	RRN:	81	DATA: 6890599161	LARRY G PARKER	827 MEADOW STREET	SAN DIEGO	CA
82:	RRN:	82	DATA: 6911300162	JANET H HAMMOND	5064 GRANT STREET	DES PLAINES	IL
83:	RRN:	83	DATA: 7110260163	BEVERLY K WEAVER	829 HORSESHOE CIRCLE	LA JOLLA	CA
84:	RRN:	84	DATA: 7170298164	KEVIN L FONTAINE	3527 APPLE VALLEY STREET	MISSOULA	MT
85:	RRN:	85	DATA: 7255026165	JERRY S BOWERS	395 ALTAVISTA COURT	SAN DIEGO	CA
86:	RRN:	86	DATA: 7792268166	JOAN C GLOVER	6152 CUMBERLAND AVENUE	NEW YORK	NY
87:	RRN:	87	DATA: 8198053167	RONALD A EUBANKS	378 SHORE STREET	ANCHORAGE	AK
88:	RRN:	88	DATA: 8214332168	ROY P MATTOX	154 SUNSET COURT	WEST PALM BEACH	FL
89:	RRN:	89	DATA: 8216798169	ROY F NORRIS	3212 ALTAVISTA BLVD	BOSTON	MA
90:	RRN:	90	DATA: 8309814170	EVERETT A ERWIN	926 BALBOA STREET	OKLAHOMA CITY	OK
91:	RRN:	91	DATA: 8491480181	JOYCE S HODGES	682 PARKER PLACE	CLEVELAND	OH
92:	RRN:	92	DATA: 8544794182	NATHAN R JOHNSON	1034 TWILIGHT ROAD	COVINGTON	LA
93:	RRN:	93	DATA: 8675854183	ANDREW B WINSTON	2458 ELLIS ROAD	SPRING	TX
94:	RRN:	94	DATA: 8763434184	CRAIG I GOODLOW	1667 WASHINGTON ROAD	MONTGOMERY	AL
95:	RRN:	95	DATA: 8969094185	ERNIE N DUNBAR	2830 NORTHFIELD STREET	LOUISVILLE	KY
96:	RRN:	96	DATA: 9235874186	TED R BOWERS	532 PECAN VALLEY STREET	PRESCOTT	AZ
97:	RRN:	97	DATA: 9266973187	ANDREW K CONLEY	689 WINDTREE BLVD	ATLANTA	GA
98:	RRN:	98	DATA: 9445325188	ARNOLD F RAMSEY	8629 LINCOLN CIRCLE	MONTGOMERY	AL
99:	RRN:	99	DATA: 9604395189	JANET M BARBER	1605 GARRETT STREET	LA JOLLA	CA
100:	RRN:	100	DATA: 9962289190	PETER R STUART	870 BALBOA COURT	PHILADELPHIA	PA