

J E S 2 J O B L O G

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18.24.24 JOB 160 IEF677I WARNING MESSAGE(S) FOR JOB VSTESTR3 ISSUED
18.24.24 JOB 160 $HASP373 VSTESTR3 STARTED - INIT 1 - CLASS A - SYS HMVS
18.24.24 JOB 160 IEF403I VSTESTR3 - STARTED - TIME=18.24.24
18.24.24 JOB 160 CCI001C PL1L      /IEMAA    /00:00:00.16/          /00004/SYS      /VSTESTR3
18.24.24 JOB 160 CCI001C LKED      /IEWL     /00:00:00.04/          /00000/SYS      /VSTESTR3
18.24.24 JOB 160 CCI001C GO        /PGM=*.DD/00:00:00.01/      /00000/SYS      /VSTESTR3
18.24.24 JOB 160 IEF404I VSTESTR3 - ENDED - TIME=18.24.24
18.24.24 JOB 160 $HASP395 VSTESTR3 ENDED
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----- 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

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1 //VSTESTR3 JOB (SYS), 'VSAMIOP IVP RRDSREAD', CLASS=A, MSGCLASS=X, JOB 160
// 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 SYS00390

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.JOB00160.SO0101 SYSOUT

IEF285I SYS20189.T182424.RA000.VSTESTR3.LOADSET PASSED *-----206

IEF285I VOL SER NOS= MVS380.

IEF285I SYS20189.T182424.RA000.VSTESTR3.SYSUT3 DELETED *-----263

IEF285I VOL SER NOS= WORK00.

IEF285I SYS20189.T182424.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 20189.1824

IEF374I STEP /PL1L / STOP 20189.1824 CPU 0MIN 00.16SEC SRB 0MIN 00.04SEC VIRT 4096K SYS 212K

**** JOBCARD READ 20189 18:24:24 ****

* PRC-CCI 370/148 VS2 R03.8 HMVS STEP STATISTICS *

* STEP NAME PL1L USER CORE 4096K TAPES USED/IO 000/000000000 START TIME 18:24:24 TCB TIME 00:00:00.16 *

* PGM NAME IEMAA SYSTEM CORE 212K DISKS USED/IO 004/000000499 STOP TIME 18:24:24 SRB TIME 00:00:00.04 *

* COND CODE 0004 PRIVATE AREA SZ 4096K ALLOC TIME 18:24:24 ELAPSED TIME PGM LOAD 18:24:24 *

** PGNO * NR SRV UNITS * ACTIVE TIME ** PAGES IN *** PAGES OUT ** # SWAPS * PGS SWAP IN * PGS SWAP OUT * VIO PGS IN * VIO PGS OUT **

* 004 2707 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 SYS00392

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.T182424.RA000.VSTESTR3.GOSET PASSED *-----57

IEF285I VOL SER NOS= WORK00.

IEF285I SYS20189.T182424.RA000.VSTESTR3.SYSUT1 DELETED *-----0

IEF285I VOL SER NOS= MVS370.

IEF285I JES2.JOB00160.SO0102 SYSOUT

```

IEF285I  SYS20189.T182424.RA000.VSTESTR3.LOADSET      DELETED      *-----207
IEF285I  VOL SER NOS= MVS380.
IEF373I  STEP /LKED      / START 20189.1824
IEF374I  STEP /LKED      / STOP  20189.1824 CPU      OMIN 00.04SEC SRB      OMIN 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  18:24:24  TCB TIME  00:00:00.04 *
* PGM NAME  IEWL      SYSTEM CORE      208K  DISKS USED/IO 004/000000370  STOP   TIME  18:24:24  SRB TIME  00:00:00.01 *
* COND CODE  0000     PRIVATE AREA SZ  4096K  ALLOC TIME  18:24:24  ELAPSED TIME  PGM LOAD  18:24:24 *
** PGNO * NR SRV UNITS * ACTIVE TIME ** PAGES IN *** PAGES OUT ** # SWAPS * PGS SWAP IN * PGS SWAP OUT * VIO PGS IN * VIO PGS OUT **
*  004      1893    00:00:00.06          0          0          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 SYS00394
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 SYS00396
IEF142I  VSTESTR3 GO PL1F - STEP WAS EXECUTED - COND CODE 0000
IEF285I  SYS20189.T182424.RA000.VSTESTR3.GOSET      KEPT          *-----0
IEF285I  VOL SER NOS= WORK00.
IEF285I  SYSC.PL1LIB      KEPT          *-----0
IEF285I  VOL SER NOS= SYSCPK.
IEF285I  SYSC.PL1LIB      KEPT          *-----0
IEF285I  VOL SER NOS= SYSCPK.
IEF285I  UCSYSCPK      KEPT          *-----0
IEF285I  VOL SER NOS= SYSCPK.
IEF285I  JES2.JOB00160.SO0103      SYSOUT
IEF285I  JES2.JOB00160.SO0104      SYSOUT
IEF285I  JES2.JOB00160.SO0105      SYSOUT
IEF285I  JES2.JOB00160.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 20189.1824
IEF374I  STEP /GO      / STOP  20189.1824 CPU      OMIN 00.01SEC SRB      OMIN 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  18:24:24  TCB TIME  00:00:00.01 *
* PGM NAME  PGM=*.DD  SYSTEM CORE      224K  DISKS USED/IO 003/000000008  STOP   TIME  18:24:24  SRB TIME  00:00:00.00 *
* COND CODE  0000     PRIVATE AREA SZ  4096K  ALLOC TIME  18:24:24  ELAPSED TIME  PGM LOAD  18:24:24 *
** 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          0          0 *
*****
* CPU $ ( 0.00) + EXCP $ ( 0.01) + MEMORY $ ( 0.00) = TOTAL $ ( 0.01)
*****
IEF237I  251  ALLOCATED TO SYS00001
IEF285I  SYS20189.T182424.RA000.VSTESTR3.R0000001    KEPT          *-----0
IEF285I  VOL SER NOS= WORK00.
IEF285I  SYS20189.T182424.RA000.VSTESTR3.GOSET      DELETED
IEF285I  VOL SER NOS= WORK00.
IEF375I  JOB /VSTESTR3/ START 20189.1824
IEF376I  JOB /VSTESTR3/ STOP  20189.1824 CPU      OMIN 00.21SEC SRB      OMIN 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  /*****2380000
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_CODEa= 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_CODEa = 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_CODEa = 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 ' ||
100             VSIO_COMMAND;                    24790000
101      WRITE FILE(PRINTR) FROM(PRINT_LINE);    24800000
102      PRINT_AREA = 'VSIO_RETURN_CODE = ' ||
103             VSIO_RETURN_CODE;                24820000
104      WRITE FILE(PRINTR) FROM(PRINT_LINE);    24830000
105      PRINT_AREA = 'VSIO_VSAM_RETURN_CODE = ' ||
106             VSIO_VSAM_RETURN_CODE;          24850000
107      WRITE FILE(PRINTR) FROM(PRINT_LINE);    24860000
108      PRINT_AREA = 'VSIO_VSAM_FUNCTION_CODE = ' ||
109             VSIO_VSAM_FUNCTION_CODE;        24880000
110      WRITE FILE(PRINTR) FROM(PRINT_LINE);    24890000
111      PRINT_AREA = 'VSIO_VSAM_FEEDBACK_CODE = ' ||
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
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  OOOO  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  AAAAAA  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  OOOO  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

```
176      2 VSIO_REWRITE          CHAR(8)  INIT('REWRITE '), 31360000
177      2 VSIO_DELETE           CHAR(8)  INIT('DELETE '), 31370000
178      2 VSIO_START_EQUAL       CHAR(8)  INIT('STARTEQ '), 31380000
179      2 VSIO_START_NOTLESS     CHAR(8)  INIT('STARTGE '), 31390000
180      2 VSIO_KSDS              CHAR(4)  INIT('KSDS'), 31400000
181      2 VSIO_ESDS              CHAR(4)  INIT('ESDS'), 31410000
182      2 VSIO_RRDS              CHAR(4)  INIT('RRDS'), 31420000
183      2 VSIO_SEQUENTIAL        CHAR(10) INIT('SEQUENTIAL'), 31430000
184      2 VSIO_DIRECT            CHAR(10) INIT('DIRECT '), 31440000
185      2 VSIO_DYNAMIC           CHAR(10) INIT('DYNAMIC '), 31450000
186      2 VSIO_INPUT             CHAR(6)  INIT('INPUT '), 31460000
187      2 VSIO_OUTPUT            CHAR(6)  INIT('OUTPUT'), 31470000
188      2 VSIO_INPUT_OUTPUT      CHAR(6)  INIT('UPDATE'), 31480000
189      2 (VSIO_RC_SUCCESS        INIT(0), 31490000
190          VSIO_RC_LOGIC_ERROR  INIT(8), 31500000
191          VSIO_RC_END_OF_FILE   INIT(9999), 31510000
192          VSIO_RC_UNKNOWN_COMMAND INIT(20), 31520000
193          VSIO_RC_DATASET_ALREADY_OPEN INIT(21), 31530000
194          VSIO_RC_DATASET_NOT_OPEN INIT(22), 31540000
195          VSIO_RC_ORGANIZATION_UNKNOWN INIT(23), 31550000
196          VSIO_RC_ACCESS_UNKNOWN INIT(24), 31560000
197          VSIO_RC_ORG_ACCESS_MISMATCH INIT(25), 31570000
198          VSIO_RC_MODE_UNKNOWN  INIT(26), 31580000
199          VSIO_RC_MODE_UNSUPPORTED INIT(27), 31590000
200          VSIO_RC_DDNAME_BLANK  INIT(28)) 31600000
201          FIXED BINARY(15,0), 31610000
202      2 (VSIO_FB_DUPLICATE_RECORD INIT(8), 31620000
203          VSIO_FB_KEY_SEQUENCE  INIT(12), 31630000
204          VSIO_FB_RECORD_NOT_FOUND INIT(16), 31640000
205          VSIO_FB_NO_MORE_SPACE  INIT(28), 31650000
206          VSIO_FB_READ_WITHOUT_START INIT(88)) 31660000
207          FIXED BINARY(15,0), 31670000
208  /*****31680000
209      THE VSIO_PARAMETER_BLOCK IS THE COMMUNICATION INTERFACE TO THE 31690000
210      THE ROUTINE. 31700000
211  *****/31710000
212 31720000
213      1 VSIO_PARAMETER_BLOCK  STATIC, 31730000
214          2 VSIO_COMMAND      CHAR(8)  INIT(' '), 31740000
215          2 (VSIO_RETURN_CODE, 31750000
216              VSIO_VSAM_RC, 31760000
217              VSIO_VSAM_FUNCTION, 31770000
218              VSIO_VSAM_FEEDBACK) FIXED BINARY(15,0) INIT(0); 31780000
219 31790000
220  /*****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 OOOO FFFFFFFF BBBB 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 MMMMMM II OO OO FFFFF BBBB 00000600
229 VV VV SS AA AA MM M MM II OO OO FF BB BB 00000700
230 VV VV SS SS AAAAAA 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 OOOO FF BBBB 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.

```

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

```
                VSIO_FILE_BLOCK,          42
                RECORD_IMAGE);          43
26      IF (VSIO_RETURN_CODEa= 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_CODEa= 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_CODEa= 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
54                                                     92
54             RETURN;                                         93
55                                                     94
55             END READ_RR;                                     95
56                                                     96
56         VSIO_ERROR:                                         97
56         PROCEDURE;                                         98
57             PRINT_AREA = 'VSAMIO ERROR OCCURRED DURING ' || 99
57             VSIO_COMMAND;                                   100
58             WRITE FILE(PRINTR) FROM(PRINT_LINE);           101
59             PRINT_AREA = 'VSIO_RETURN_CODE = ' ||          102
59             VSIO_RETURN_CODE;                              103
60             WRITE FILE(PRINTR) FROM(PRINT_LINE);           104
61             PRINT_AREA = 'VSIO_VSAM_RETURN_CODE = ' ||     105
61             VSIO_VSAM_RETURN_CODE;                         106
62             WRITE FILE(PRINTR) FROM(PRINT_LINE);           107
63             PRINT_AREA = 'VSIO_VSAM_FUNCTION_CODE = ' ||   108
63             VSIO_VSAM_FUNCTION_CODE;                       109
64             WRITE FILE(PRINTR) FROM(PRINT_LINE);           110
65             PRINT_AREA = 'VSIO_VSAM_FEEDBACK_CODE = ' ||   111
65             VSIO_VSAM_FEEDBACK_CODE;                       112
66             WRITE FILE(PRINTR) FROM(PRINT_LINE);           113
67             PRINT_AREA = ' ';                               114
68                                                     115
68             RETURN;                                         116
69                                                     117
69             END VSIO_ERROR;                                  118
70                                                     119
70             DECLARE                                         120
70             PRINTR FILE OUTPUT RECORD SEQUENTIAL EXTERNAL  121
70             ENV(F CTLASA);                                  122
71                                                     123
71             DECLARE                                         124
71             COUNTER_EDIT          PICTURE 'ZZ,ZZZ,ZZ9V',    125
71             MORE_RECORDS          BIT(1),                   126
71             NO                     BIT(1) INIT('0'B),       127
71             RECORD_COUNTER        FIXED BINARY(15,0),       128
71             RRN_EDIT              PICTURE 'ZZ,ZZ9V',         129
71             YES                    BIT(1) INIT('1'B);       130
72                                                     131
72             DECLARE                                         132
72             1 RECORD_IMAGE,                                   133
```

```

2 RECORD_KEY          CHAR(10),          134
2 RECORD_FIELDS       CHAR(70);          135
                                                    136
73 DECLARE
  RECORD_IMAGE_SCALAR  DEFINED RECORD_IMAGE 137
                        CHAR(80);          138
                                                    139
74 DECLARE
  1 PRINT_LINE,       140
  2 CARRIAGE_CONTROL  CHAR(1)  INIT(' '),  141
  2 PRINT_AREA        CHAR(120);         142
                                                    143
/*
V V  V V  S S S S S  A  M  M  I I I I  O O O O O  144
V V  V V  S S  S S  A A A  M M  M M  I I  O O  O O  145
V V  V V  S S      A A A A  M M M M M  I I  O O  O O  146
V V  V V  S S S S S  A A  A A  M M M M M M  I I  O O  O O  147
V V  V V      S S  A A  A A  M M M M M  I I  O O  O O  148
  V V V V  S S  S S  A A A A A A A  M M  M M  I I  O O  O O  149
    V V V  S S  S S  A A  A A  M M  M M  I I  O O  O O  150
      V    S S S S S  A A  A A  M M  M M  I I I I  O O O O O  151
                                                    152
*****
THESE PARAMETERS ARE USED TO INTERFACE WITH THE VSAM DATASET ACCESS
ROUTINE.

THE VSIO_PARAMETER_VALUES SUPPLY THE VALUES USED TO MOVE INTO
PARAMETER ENTRIES TO TAILOR THE ROUTINE TO A SPECIFIC DATASET AND
TO PROVIDE COMMANDS TO DRIVE THE ROUTINE.
*****/
75 DECLARE
  1 VSIO_PARAMETER_VALUES  STATIC,          170
  2 VSIO_OPEN              CHAR(8)  INIT('OPEN  '),  171
  2 VSIO_CLOSE             CHAR(8)  INIT('CLOSE '),  172
  2 VSIO_READ              CHAR(8)  INIT('READ  '),  173
  2 VSIO_WRITE             CHAR(8)  INIT('WRITE '),  174
  2 VSIO_REWRITE          CHAR(8)  INIT('REWRITE '),  175
  2 VSIO_DELETE           CHAR(8)  INIT('DELETE '),  176
  2 VSIO_START_EQUAL      CHAR(8)  INIT('STARTEQ '),  177
  2 VSIO_START_NOTLESS   CHAR(8)  INIT('STARTGE '),  178
  2 VSIO_KSDS             CHAR(4)  INIT('KSDS '),  179
  2 VSIO_ESDS            CHAR(4)  INIT('ESDS '),  180
  2 VSIO_RRDS            CHAR(4)  INIT('RRDS '),  181
  2 VSIO_SEQUENTIAL      CHAR(10)  INIT('SEQUENTIAL'),  182
  2 VSIO_DIRECT          CHAR(10)  INIT('DIRECT '),  183

```



```

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

```

```

/*****
THE VSIO_PARAMETER_BLOCK IS THE COMMUNICATION INTERFACE TO THE
THE ROUTINE.
*****/

```

```

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

```

```

/*****
END OF VSAMIO COPY BOOK
*****/

```

```

VV  VV  SSSSS  A  M  M  IIII  OOOO  FFFFFFFF  BBBB  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  MMMMMMMM  II  OO  OO  FFFFFF  BBBB  223
VV  VV  SS  SS  AA  AA  MM  M  MM  II  OO  OO  FF  BB  BB  223
VV  VV  SS  SS  AAAAAA  MM  MM  II  OO  OO  FF  BB  BB  223
VVV  SS  SS  AA  AA  MM  MM  II  OO  OO  FF  BB  BB  223

```

V SSSS AA AA MM MM IIII OOOO FF BBBB 223

***** 223

THESE PARAMETERS ARE USED TO INTERFACE WITH THE VSAM DATASET ACCESS ROUTINE, AND ARE USED TO COMMUNICATE CHARACTERISTICS FOR A SINGLE VSAM DATASET. 223

WITH THE 2 EXCEPTIONS FOR RECORD LENGTH (TO ACCOMODATE VARIABLE LENGTH RECORDS) AND RELATIVE RECORD (TO ACCOMODATE RELATIVE RECORD DATASETS), THESE DATA NAMES MUST BE POPULATED PRIOR TO CALLING THE ROUTINE TO OPEN THE DATASET AND MUST NOT THEN BE CHANGED UNTIL THE DATASET HAS BEEN CLOSED. 223

*****/ 223

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

/* 258

END OF VSAMIOFB COPY BOOK 258

*****/ 258

77 END RRDSREA; 148 149

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

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 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:     21 DATA: 1033846021 CHERYL I TUCKER     660 SHORE ROAD        LOUISVILLE       KY
12: RRN:     22 DATA: 1098019022 HANNAH F QUIMBY     6151 MAIN COURT       PHOENIX            AZ
13: RRN:     23 DATA: 1168050023 TAMMY J FRANKLIN    5226 ROSA LINDA ROAD   LOUISVILLE       KY
14: RRN:     24 DATA: 1371074024 TAMMY M HARMON      243 KINGS RIDGE STREET GREENVILLE        SC
15: RRN:     25 DATA: 1442146025 LUCY H ERICKSON     6207 RIDGEWAY AVENUE  KANSAS CITY       MO
16: RRN:     26 DATA: 1511914026 SAMANTHA J TEMPLETON 1534 SUN MEADOW AVENUE FORT LAUDERDALE   FL
17: RRN:     27 DATA: 1765093027 DANIEL I GOODWIN    1660 BRIGHT AVENUE    DALLAS            TX
18: RRN:     28 DATA: 1766129028 JOYCE R NORTON      907 BRANDYWINE CIRCLE  SAN ANTONIO       TX
19: RRN:     29 DATA: 1778910029 JUDITH H JEFFERSON  766 KNICKERBOCKER PLACE SIOUX FALLS       SD
20: RRN:     30 DATA: 1907611030 KEITH E NEWTON      143 BUCKLEY AVENUE    BALDWIN           MO
21: RRN:     41 DATA: 2119032041 RUTH E GASTON       8754 GARDEN PLACE     FORT LAUDERDALE   FL
22: RRN:     42 DATA: 2121744042 TROY J NORRIS       716 HILLSIDE ROAD     DENTON            TX
23: RRN:     43 DATA: 2174003043 SHIRLEY V MATTOX    1260 SHORE AVENUE     FALLS VILLAGE     CT
24: RRN:     44 DATA: 2229822044 LUCY T HAMMOND      587 CARBONDALE COURT  SALINA            KS
25: RRN:     45 DATA: 2231748045 SCOTT F HABERMANN   336 BALBOA AVENUE     LAGO VISTA        TX
26: RRN:     46 DATA: 2324761046 EVERETT L HAMMOND   5912 BISHOP AVENUE    KEARNEY           NE
27: RRN:     47 DATA: 2363024047 REBECCA A GERBLICK  1617 PARKER AVENUE    SALINA            KS
28: RRN:     48 DATA: 2483871048 SAMANTHA T MOORE    3586 STRAWBERRY COURT PONCA CITY         OK
29: RRN:     49 DATA: 2522284049 WANDA J TUCKER      7807 WINDTREE ROAD    SAN ANTONIO       TX
30: RRN:     50 DATA: 2597002050 HELEN H FONTAINE    852 WESTRIDGE AVENUE  FORT LAUDERDALE   FL
31: RRN:     61 DATA: 2806628061 ANDREW T MORENO     8900 WASHINGTON STREET PROVIDENCE         RI
32: RRN:     62 DATA: 2822279062 BEVERLY F WINSTON   5585 CHARLESTON ROAD  BOSTON            MA
33: RRN:     63 DATA: 2845743063 ZELDA W RANDALL    639 SOUTHLAND ROAD    FOREST HEIGHTS    MD
34: RRN:     64 DATA: 2858277064 CLARA F BRYANT      529 BARNABY STREET    LOUISVILLE       KY
35: RRN:     65 DATA: 3071401065 MICHELLE A ROSS     188 EASTHAVEN AVENUE  BUFFALO           NY
36: RRN:     66 DATA: 3129003066 BILL W BECK         1798 SEABREEZE AVENUE  BOSTON            MA
37: RRN:     67 DATA: 3284189067 RITA N RENFRO       7881 DAISY COURT       SIOUX FALLS       SD
38: RRN:     68 DATA: 3489628068 ARNOLD R ELISON     465 MAIN AVENUE        TULSA             OK
39: RRN:     69 DATA: 3775212069 HANNAH J GLOVER     3791 SEABREEZE STREET  NASHUA            NH
40: RRN:     70 DATA: 3786163070 REBECCA D DOREN     8730 STRAWBERRY ROAD   SPRING            TX
41: RRN:     81 DATA: 3851331081 CLIFF J DRAKE       169 SHORE AVENUE      CHICAGO           IL
42: RRN:     82 DATA: 3912384082 CRAIG O LABROIE     8021 MILL MOUNTAIN PLACE MURFREESBORO     TN
43: RRN:     83 DATA: 4077702083 ROLAND P RODGERS    827 MEADOW STREET     TULSA             OK
44: RRN:     84 DATA: 4093285084 JACK J SCHWAB       250 BUCKLEY PLACE      CHICAGO           IL
45: RRN:     85 DATA: 4176588085 BRENDA O MCKAY      315 A & M PLACE        LA HABRA          CA
46: RRN:     86 DATA: 4197550086 TROY S POWERS       1707 BRIDGE STREET     ENGLEWOOD         CO
47: RRN:     87 DATA: 4318291087 SAMANTHA M HALL     8063 EDMUND AVENUE     SAN ANTONIO       TX
48: RRN:     88 DATA: 4461486088 SAMANTHA E MORENO   5196 BAYVIEW PLACE     BRIDGEPORT        CT
49: RRN:     89 DATA: 4514067089 JIM B RIGHT         568 GREEN VALLEY AVENUE HOUSTON           TX
50: RRN:     90 DATA: 4588719090 SHIRLEY D JOHNSON   716 COBBS ROAD        TULSA             OK
51: RRN:    101 DATA: 4776111101 JOSEPH P HAMMOND    6532 BRANDYWINE STREET PASADENA          CA
52: RRN:    102 DATA: 4813060102 REBECCA S NORTON    1175 ELLIS COURT       LOUISVILLE       KY
53: RRN:    103 DATA: 4862587103 JILL M BENSON       170 SIERRA VISTA ROAD  HELENA            MT
54: RRN:    104 DATA: 4893602104 LAURIE R RAMSEY     902 PECAN VALLEY STREET PONCA CITY         OK
55: RRN:    105 DATA: 4934781105 CHERYL H HABERMANN  930 CLIFTWOOD AVENUE  BUFFALO           NY
56: RRN:    106 DATA: 5105151106 SHIRLEY P TYLER     5262 BRIDGE CIRCLE     FORT COLLINS      CO
57: RRN:    107 DATA: 5220743107 CHRISTOPHER F MORGAN 9624 BONANZA AVENUE    DOWNEY            CA
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58:	RRN:	108	DATA:	5239514108	NATHAN O SCHAEFER	7644 INDUSTRIAL ROAD	EUGENE	OR
59:	RRN:	109	DATA:	5462366109	DIANE P JENNINGS	2454 ROSA LINDA ROAD	KNOXVILLE	TN
60:	RRN:	110	DATA:	5470384110	JILL F ROSS	949 ROSEWOOD STREET	BALDWIN	MO
61:	RRN:	121	DATA:	5582803121	ANGELA J ERWIN	2709 BIENVILLE STREET	NEWPORT BEACH	CA
62:	RRN:	122	DATA:	5618369122	PETER F ALEXANDER	5500 KNICKERBOCKER AVENUE	BINGHAMTON	NY
63:	RRN:	123	DATA:	5731895123	BETTY H BOWERS	3787 WINDWOOD PLACE	SALT LAKE CITY	UT
64:	RRN:	124	DATA:	5764671124	PETER L SCHAEFER	358 ATOLL STREET	PASADENA	CA
65:	RRN:	125	DATA:	5867208125	JOYCE K JENNINGS	1580 ROSA LINDA COURT	TUCSON	AZ
66:	RRN:	126	DATA:	5877149126	ROBERT P GLOVER	6394 PARSON ROAD	NORWALK	CT
67:	RRN:	127	DATA:	5922222127	RUTH N ALEXANDER	259 SEASIDE ROAD	ANNAPOLIS	MD
68:	RRN:	128	DATA:	6007109128	JARED D HILLFORD	879 MICHIGAN AVENUE	PONCA CITY	OK
69:	RRN:	129	DATA:	6131803129	HELEN R DRAKE	263 BENSON STREET	DENVER	CO
70:	RRN:	130	DATA:	6212865130	JOYCE C EUBANKS	516 WESTRIDGE BLVD	WEST BRADENTON	FL
71:	RRN:	141	DATA:	6288450141	DEBRA B JACKSON	7426 PARSON ROAD	MINNEAPOLIS	MN
72:	RRN:	142	DATA:	6315453142	BILL M TEASDALE	608 LINCOLN ROAD	FORT WORTH	TX
73:	RRN:	143	DATA:	6426347143	PATTY C ELISON	5454 LINCOLN AVENUE	DETROIT	MI
74:	RRN:	144	DATA:	6532928144	HANNAH O NEWBURY	3634 SIERRA VISTA STREET	BOSTON	MA
75:	RRN:	145	DATA:	6552938145	BETTY V POWERS	454 JUNIPER AVENUE	ANN ARBOR	MI
76:	RRN:	146	DATA:	6565164146	JACK H EUBANKS	3699 SOUTHLAND PLACE	FREMONT	CA
77:	RRN:	147	DATA:	6613600147	TAMMY O EUBANKS	5230 DAISY AVENUE	KEARNEY	NE
78:	RRN:	148	DATA:	6660837148	BRIAN T PARRISH	751 PECAN VALLEY COURT	ANN ARBOR	MI
79:	RRN:	149	DATA:	6740697149	LARRY O MORENO	6565 JACKSON STREET	EUGENE	OR
80:	RRN:	150	DATA:	6865914150	DEBRA F BOWERS	8793 GARDEN AVENUE	DES PLAINES	IL
81:	RRN:	161	DATA:	6890599161	LARRY G PARKER	827 MEADOW STREET	SAN DIEGO	CA
82:	RRN:	162	DATA:	6911300162	JANET H HAMMOND	5064 GRANT STREET	DES PLAINES	IL
83:	RRN:	163	DATA:	7110260163	BEVERLY K WEAVER	829 HORSESHOE CIRCLE	LA JOLLA	CA
84:	RRN:	164	DATA:	7170298164	KEVIN L FONTAINE	3527 APPLE VALLEY STREET	MISSOULA	MT
85:	RRN:	165	DATA:	7255026165	JERRY S BOWERS	395 ALTAVISTA COURT	SAN DIEGO	CA
86:	RRN:	166	DATA:	7792268166	JOAN C GLOVER	6152 CUMBERLAND AVENUE	NEW YORK	NY
87:	RRN:	167	DATA:	8198053167	RONALD A EUBANKS	378 SHORE STREET	ANCHORAGE	AK
88:	RRN:	168	DATA:	8214332168	ROY P MATTOX	154 SUNSET COURT	WEST PALM BEACH	FL
89:	RRN:	169	DATA:	8216798169	ROY F NORRIS	3212 ALTAVISTA BLVD	BOSTON	MA
90:	RRN:	170	DATA:	8309814170	EVERETT A ERWIN	926 BALBOA STREET	OKLAHOMA CITY	OK
91:	RRN:	181	DATA:	8491480181	JOYCE S HODGES	682 PARKER PLACE	CLEVELAND	OH
92:	RRN:	182	DATA:	8544794182	NATHAN R JOHNSON	1034 TWILIGHT ROAD	COVINGTON	LA
93:	RRN:	183	DATA:	8675854183	ANDREW B WINSTON	2458 ELLIS ROAD	SPRING	TX
94:	RRN:	184	DATA:	8763434184	CRAIG I GOODLOW	1667 WASHINGTON ROAD	MONTGOMERY	AL
95:	RRN:	185	DATA:	8969094185	ERNIE N DUNBAR	2830 NORTHFIELD STREET	LOUISVILLE	KY
96:	RRN:	186	DATA:	9235874186	TED R BOWERS	532 PECAN VALLEY STREET	PRESCOTT	AZ
97:	RRN:	187	DATA:	9266973187	ANDREW K CONLEY	689 WINDTREE BLVD	ATLANTA	GA
98:	RRN:	188	DATA:	9445325188	ARNOLD F RAMSEY	8629 LINCOLN CIRCLE	MONTGOMERY	AL
99:	RRN:	189	DATA:	9604395189	JANET M BARBER	1605 GARRETT STREET	LA JOLLA	CA
100:	RRN:	190	DATA:	9962289190	PETER R STUART	870 BALBOA COURT	PHILADELPHIA	PA