

J E S 2 J O B L O G

17.47.45 JOB 141 IEF677I WARNING MESSAGE(S) FOR JOB VSTESTR7 ISSUED
17.47.45 JOB 141 \$HASP373 VSTESTR7 STARTED - INIT 1 - CLASS A - SYS HMVS
17.47.45 JOB 141 IEF403I VSTESTR7 - STARTED - TIME=17.47.45
17.47.45 JOB 141 IEC130I SYSPUNCH DD STATEMENT MISSING
17.47.45 JOB 141 IEC130I SYSPUNCH DD STATEMENT MISSING
17.47.45 JOB 141 CCI001C COB /IKFCBL00/00:00:00.06/ /00000/1 /VSTESTR7
17.47.45 JOB 141 CCI001C LKED /IEWL /00:00:00.02/ /00000/1 /VSTESTR7
17.47.45 JOB 141 CCI001C GO /PGM=*.DD/00:00:00.01/ /00000/1 /VSTESTR7
17.47.45 JOB 141 IEF404I VSTESTR7 - ENDED - TIME=17.47.45
17.47.45 JOB 141 \$HASP395 VSTESTR7 ENDED

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

07 JUL 20 JOB EXECUTION DATE

17 CARDS READ

567 SYSOUT PRINT RECORDS

0 SYSOUT PUNCH RECORDS

0.00 MINUTES EXECUTION TIME

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1 //VSTESTR7 JOB 1,'VSAMIO IVP RRDSSSEQ ',CLASS=A,MSGCLASS=X, JOB 141
// REGION=4096K
***
*****
*** COBOL MODULE: RRDSSSEQ VSAM DATASET: VSTESTRR.CLUSTER (RRDS)
***
*** TESTS START AND READ FUNCTIONS AGAINST RRDS DATASET
*****
***
2 //COB EXEC COBUCLG,REGION.GO=1024K,CPARM1='LOAD,LIB,DMAP'
3 XXCOBUCLG PROC CPARM1='LOAD,SUPMAP', 100010000
XX CPARM2='SIZE=2048K,BUF=1024K' 00020000
4 XXCOB EXEC PGM=IKFCBL00,REGION=4096K, 00040001
XX PARM='&CPARM1,&CPARM2' 00050001
5 XXSTEPLIB DD DSN=SYSC.LINKLIB,DISP=SHR 00051001
6 XXSYSPRINT DD SYSOUT=* 00060000
7 XXSYSUT1 DD UNIT=SYSDA,SPACE=(460,(700,100)) 00070000
8 XXSYSUT2 DD UNIT=SYSDA,SPACE=(460,(700,100)) 00080000
9 XXSYSUT3 DD UNIT=SYSDA,SPACE=(460,(700,100)) 00090000
10 XXSYSUT4 DD UNIT=SYSDA,SPACE=(460,(700,100)) 00100000
11 XXSYSLIN DD DSN=&LOADSET,DISP=(MOD,PASS),UNIT=SYSDA, 00110000
XX SPACE=(80,(500,100)) 00120000
12 //COB.SYSLIB DD DSN=SYSC.VSAMIO.SOURCE,DISP=SHR
13 //COB.SYSIN DD DSN=SYSC.VSAMIO.SOURCE(RRDSSSEQ),DISP=SHR
14 XXLKED EXEC PGM=IEWL,PARM='LIST,XREF,LET',COND=(5,LT,COB),REGION=96K 00130000
15 XXSYSLIN DD DSN=&LOADSET,DISP=(OLD,DELETE) 00140000
16 XX DD DDNAME=SYSIN 00150000
17 XXSYSLMOD DD DSN=&GODATA(RUN),DISP=(NEW,PASS),UNIT=SYSDA, 00160000
XX SPACE=(1024,(50,20,1)) 00170000
18 //LKED.SYSLIB DD
X/SYSLIB DD DSN=SYSC.COBLIB,DISP=SHR 00180000
19 // DD DSN=SYSC.LINKLIB,DISP=SHR
20 XXSYSUT1 DD UNIT=SYSDA,SPACE=(1024,(50,20)) 00190000
21 XXSYSPRINT DD SYSOUT=* 00200000
22 XXGO EXEC PGM=*.LKED.SYSLMOD,COND=((5,LT,COB),(5,LT,LKED)) 00210000
23 //GO.SYSOUT DD SYSOUT=*
24 //GO.SYSUDUMP DD SYSOUT=*
25 //GO.RRDSF01 DD DSN=PUB001.VSTESTRR.CLUSTER,DISP=OLD

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STMT NO. MESSAGE

4 IEF653I SUBSTITUTION JCL - PARM='LOAD,LIB,DMAP,SIZE=2048K,BUF=1024K'
22 IEF686I DDNAME REFERRED TO ON DDNAME KEYWORD IN PRIOR STEP WAS NOT RESOLVED

IEF236I ALLOC. FOR VSTESTR7 COB COB
IEF237I 253 ALLOCATED TO STEPLIB
IEF237I 253 ALLOCATED TO SYS00287
IEF237I JES2 ALLOCATED TO SYSPRINT
IEF237I 380 ALLOCATED TO SYSUT1
IEF237I 251 ALLOCATED TO SYSUT2
IEF237I 370 ALLOCATED TO SYSUT3
IEF237I 252 ALLOCATED TO SYSUT4
IEF237I 251 ALLOCATED TO SYSLIN
IEF237I 253 ALLOCATED TO SYSLIB
IEF237I 253 ALLOCATED TO SYSIN

IEC130I SYSPUNCH DD STATEMENT MISSING
IEC130I SYSPUNCH DD STATEMENT MISSING

IEF142I VSTESTR7 COB COB - STEP WAS EXECUTED - COND CODE 0000

IEF285I SYSC.LINKLIB KEPT *-----0
IEF285I VOL SER NOS= SYSCP. KEPT *-----0
IEF285I UCSYSCP. KEPT *-----0
IEF285I VOL SER NOS= SYSCP. SYSOUT
IEF285I JES2.JOB00141.SO0101 DELETED *-----6
IEF285I SYS20189.T174745.RA00.VSTESTR7.R0000001 DELETED *-----6
IEF285I VOL SER NOS= MVS380. DELETED *-----6
IEF285I SYS20189.T174745.RA00.VSTESTR7.R0000002 DELETED *-----9
IEF285I VOL SER NOS= WORK00. DELETED *-----6
IEF285I SYS20189.T174745.RA00.VSTESTR7.R0000003 DELETED *-----6
IEF285I VOL SER NOS= MVS370. DELETED *-----6
IEF285I SYS20189.T174745.RA00.VSTESTR7.R0000004 DELETED *-----6
IEF285I VOL SER NOS= WORK01. PASSED *-----66
IEF285I SYS20189.T174745.RA00.VSTESTR7.LOADSET PASSED *-----66
IEF285I VOL SER NOS= WORK00. KEPT *-----6
IEF285I SYSC.VSAMIO.SOURCE KEPT *-----6
IEF285I VOL SER NOS= SYSCP. KEPT *-----3
IEF285I SYSC.VSAMIO.SOURCE KEPT *-----3
IEF285I VOL SER NOS= SYSCP.

IEF373I STEP /COB / START 20189.1747

IEF374I STEP /COB / STOP 20189.1747 CPU 0MIN 00.06SEC SRB 0MIN 00.02SEC VIRT 2076K SYS 216K

**** JOBCARD READ 20189 17:47:45 *****

* PRC-CCI 370/148 VS2 R03.8 HMVS STEP STATISTICS *
* STEP NAME COB USER CORE 2076K TAPES USED/IO 000/000000000 START TIME 17:47:45 TCB TIME 00:00:00.06 *
* PGM NAME IKFCBL00 SYSTEM CORE 216K DISKS USED/IO 005/000000102 STOP TIME 17:47:45 SRB TIME 00:00:00.02 *
* COND CODE 0000 PRIVATE AREA SZ 4096K ALLOC TIME 17:47:45 ELAPSED TIME PGM LOAD 17:47:45 *
** PGNO * NR SRV UNITS * ACTIVE TIME ** PAGES IN *** PAGES OUT ** # SWAPS * PGS SWAP IN * PGS SWAP OUT * VIO PGS IN * VIO PGS OUT **
* 004 608 00:00:00.09 0 0 0 0 0 0 0 *

* CPU \$ (0.02) + EXCP \$ (0.13) + MEMORY \$ (0.35) = TOTAL \$ (0.50) *

IEF236I ALLOC. FOR VSTESTR7 LKED COB
IEF237I 251 ALLOCATED TO SYSLIN
IEF237I DMY ALLOCATED TO
IEF237I 380 ALLOCATED TO SYSLMOD
IEF237I 253 ALLOCATED TO SYSLIB
IEF237I 253 ALLOCATED TO
IEF237I 253 ALLOCATED TO SYS00289
IEF237I 370 ALLOCATED TO SYSUT1
IEF237I JES2 ALLOCATED TO SYSPRINT

IEF142I VSTESTR7 LKED COB - STEP WAS EXECUTED - COND CODE 0000

IEF285I SYS20189.T174745.RA00.VSTESTR7.LOADSET DELETED *-----67
IEF285I VOL SER NOS= WORK00.

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IEF285I  SYS20189.T174745.RA000.VSTESTR7.GODATA      PASSED      *-----12
IEF285I  VOL SER NOS= MVS380.
IEF285I  SYSC.COBLIB                                KEPT        *-----27
IEF285I  VOL SER NOS= SYSCPK.
IEF285I  SYSC.LINKLIB                                KEPT        *-----0
IEF285I  VOL SER NOS= SYSCPK.
IEF285I  UCSYSCPK                                    KEPT        *-----0
IEF285I  VOL SER NOS= SYSCPK.
IEF285I  SYS20189.T174745.RA000.VSTESTR7.R0000005  DELETED     *-----0
IEF285I  VOL SER NOS= MVS370.
IEF285I  JES2.JOB00141.S00102                      SYSOUT
IEF373I  STEP /LKED      / START 20189.1747
IEF374I  STEP /LKED      / STOP  20189.1747 CPU      OMIN 00.02SEC SRB      OMIN 00.00SEC VIRT    260K SYS    208K
*****
*
*          PRC-CCI  370/148 VS2 R03.8  HMVS  STEP STATISTICS
* STEP NAME  LKED      USER CORE      260K  TAPES USED/IO 000/000000000  START  TIME  17:47:45  TCB TIME  00:00:00.02 *
* PGM NAME   IEWL      SYSTEM CORE    208K  DISKS USED/IO 004/000000106  STOP   TIME  17:47:45  SRB TIME  00:00:00.00 *
* COND CODE  0000     PRIVATE AREA SZ  4096K  ALLOC TIME  17:47:45  ELAPSED TIME          PGM LOAD  17:47:45 *
** PGNO * NR SRV UNITS * ACTIVE TIME ** PAGES IN *** PAGES OUT ** # SWAPS * PGS SWAP IN * PGS SWAP OUT * VIO PGS IN * VIO PGS OUT **
* 004      558    00:00:00.02          0          0          0          0          0          0          0          0 *
*****
* CPU $ ( 0.00) + EXCP $ ( 0.14) + MEMORY $ ( 0.01) = TOTAL $ ( 0.15)
*****
IEF236I  ALLOC. FOR VSTESTR7 GO COB
IEF237I  380  ALLOCATED TO PGM=*.DD
IEF237I  JES2 ALLOCATED TO SYSOUT
IEF237I  JES2 ALLOCATED TO SYSUDUMP
IEF237I  190  ALLOCATED TO RRDSF01
IEF237I  190  ALLOCATED TO SYS00291
IEF142I  VSTESTR7 GO COB - STEP WAS EXECUTED - COND CODE 0000
IEF285I  SYS20189.T174745.RA000.VSTESTR7.GODATA      KEPT        *-----0
IEF285I  VOL SER NOS= MVS380.
IEF285I  JES2.JOB00141.S00103                      SYSOUT
IEF285I  JES2.JOB00141.S00104                      SYSOUT
IEF285I  PUB001.VSTESTRR.CLUSTER                   KEPT        *-----1
IEF285I  VOL SER NOS= PUB001.
IEF285I  UCPUB001                                    KEPT        *-----0
IEF285I  VOL SER NOS= PUB001.
IEF373I  STEP /GO      / START 20189.1747
IEF374I  STEP /GO      / STOP  20189.1747 CPU      OMIN 00.01SEC SRB      OMIN 00.00SEC VIRT    60K SYS    216K
*****
*
*          PRC-CCI  370/148 VS2 R03.8  HMVS  STEP STATISTICS
* STEP NAME  GO      USER CORE      60K  TAPES USED/IO 000/000000000  START  TIME  17:47:45  TCB TIME  00:00:00.01 *
* PGM NAME   PGM=*.DD  SYSTEM CORE    216K  DISKS USED/IO 002/000000001  STOP   TIME  17:47:45  SRB TIME  00:00:00.00 *
* COND CODE  0000     PRIVATE AREA SZ  4096K  ALLOC TIME  17:47:45  ELAPSED TIME          PGM LOAD  17:47:45 *
** PGNO * NR SRV UNITS * ACTIVE TIME ** PAGES IN *** PAGES OUT ** # SWAPS * PGS SWAP IN * PGS SWAP OUT * VIO PGS IN * VIO PGS OUT **
* 004      28    00:00:00.01          0          0          0          0          0          0          0          0 *
*****
* CPU $ ( 0.00) + EXCP $ ( 0.00) + MEMORY $ ( 0.00) = TOTAL $ ( 0.00)
*****
IEF237I  380  ALLOCATED TO SYS00001
IEF285I  SYS20189.T174745.RA000.VSTESTR7.R0000001  KEPT        *-----0
IEF285I  VOL SER NOS= MVS380.
IEF285I  SYS20189.T174745.RA000.VSTESTR7.GODATA      DELETED
IEF285I  VOL SER NOS= MVS380.
IEF375I  JOB /VSTESTR7/ START 20189.1747
IEF376I  JOB /VSTESTR7/ STOP  20189.1747 CPU      OMIN 00.09SEC SRB      OMIN 00.02SEC

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00001 000100 IDENTIFICATION DIVISION.                                36030000
00002 000200 PROGRAM-ID. RRDSSSEQ.                                  36040000
00003 000300 AUTHOR. JAY MOSELEY.                                  36050000
00004 000400 DATE-WRITTEN. NOVEMBER, 2001.                        36060000
00005 000500 DATE-COMPILED. JUL 7,1920.                          36070000
00006 001200 ENVIRONMENT DIVISION.                                36140000
00007 001300 CONFIGURATION SECTION.                               36150000
00008 001400 SOURCE-COMPUTER. IBM-370.                            36160000
00009 001500 OBJECT-COMPUTER. IBM-370.                            36170000
00010 001600                                                         36180000
00011 001700 INPUT-OUTPUT SECTION.                                36190000
00012 001800 FILE-CONTROL.                                        36200000
00013 001900                                                         36210000
00014 002000 DATA DIVISION.                                      36220000
00015 002100 FILE SECTION.                                        36230000
00016 002200                                                         36240000
00017 002300 WORKING-STORAGE SECTION.                             36250000
00018 002400 77  END-OF-FILE-SWITCH          PIC X(1)    VALUE 'N'.    36260000
00019 002500      88  END-OF-FILE              VALUE 'Y'.    36270000
00020 002600                                                         36280000
00021 002700 77  RECORD-COUNTER              PIC S9(8).    36290000
00022 002800 77  COUNTER-EDIT                PIC ZZ,ZZZ,ZZ9.  36300000
00023 002900                                                         36310000
00024 003000 01  VSIO-PARAMETER-VALUES        COPY VSAMIO.    36320000
00025 C 000100* ***** *06980000
00026 C 000200* ***** *06990000
00027 C 000300*      VV  VV  SSSSS      A      M      M  IIII      OOOOO      *07000000
00028 C 000400*      VV  VV  SS   SS   AAA  MM  MM  II  OO  OO      *07010000
00029 C 000500*      VV  VV  SS           AA AA  MMM MMM  II  OO  OO      *07020000
00030 C 000600*      VV  VV  SSSSS  AA  AA  MMMMMMMM  II  OO  OO      *07030000
00031 C 000700*      VV  VV           SS AA  AA  MM M  MM  II  OO  OO      *07040000
00032 C 000800*      VV VV  SS   SS  AAAAAAA  MM  MM  II  OO  OO      *07050000
00033 C 000900*      VVV  SS   SS  AA  AA  MM  MM  II  OO  OO      *07060000
00034 C 001000*      V      SSSSS  AA  AA  MM  MM  IIII  OOOOO      *07070000
00035 C 001100* ***** *07080000
00036 C 001200* ***** *07090000
00037 C 001300* ***** *07100000
00038 C 001400* THESE PARAMETERS ARE USED TO INTERFACE WITH THE VSAM DATASET *07110000
00039 C 001500* ACCESS ROUTINE. *07120000
00040 C 001600* ***** *07130000
00041 C 001700* THE VSIO-PARAMETER-VALUES SUPPLY THE VALUES USED TO MOVE INTO *07140000
00042 C 001800* PARAMETER ENTRIES TO TAILOR THE ROUTINE TO A SPECIFIC DATASET *07150000
00043 C 001900* AND TO PROVIDE COMMANDS TO DRIVE THE ROUTINE. *07160000
00044 C 002000* ***** *07170000
00045 C 002100 01  VSIO-PARAMETER-VALUES.                                07180000
00046 C 002200      02  VSIO-OPEN          PIC  X(08)  VALUE 'OPEN  ' .  07190000
00047 C 002300      02  VSIO-CLOSE        PIC  X(08)  VALUE 'CLOSE ' .  07200000
00048 C 002400      02  VSIO-READ         PIC  X(08)  VALUE 'READ  ' .  07210000
00049 C 002500      02  VSIO-WRITE        PIC  X(08)  VALUE 'WRITE ' .  07220000
00050 C 002600      02  VSIO-REWRITE      PIC  X(08)  VALUE 'REWRITE' .  07230000
00051 C 002700      02  VSIO-DELETE       PIC  X(08)  VALUE 'DELETE ' .  07240000
00052 C 002800      02  VSIO-START-KEY-EQUAL PIC X(08)  VALUE 'STARTEQ' .  07250000
00053 C 002900      02  VSIO-START-KEY-NOTLESS PIC X(08)  VALUE 'STARTGE' .  07260000
00054 C 003000      02  VSIO-KSDS         PIC  X(04)  VALUE 'KSDS' .  07270000
    
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00055 C 003100      02 VSIO-ESDS          PIC X(04) VALUE 'ESDS'.          07280000
00056 C 003200      02 VSIO-RRDS          PIC X(04) VALUE 'RRDS'.          07290000
00057 C 003300      02 VSIO-SEQUENTIAL    PIC X(10) VALUE 'SEQUENTIAL'.    07300000
00058 C 003400      02 VSIO-DIRECT        PIC X(10) VALUE 'DIRECT'.        07310000
00059 C 003500      02 VSIO-DYNAMIC       PIC X(10) VALUE 'DYNAMIC'.       07320000
00060 C 003600      02 VSIO-INPUT         PIC X(06) VALUE 'INPUT'.         07330000
00061 C 003700      02 VSIO-OUTPUT        PIC X(06) VALUE 'OUTPUT'.        07340000
00062 C 003800      02 VSIO-INPUT-OUTPUT  PIC X(06) VALUE 'UPDATE'.        07350000
00063 C 003900                                07360000
00064 C 004000* ***** *07370000
00065 C 004100* THE VSIO-PARAMETER-BLOCK IS THE COMMUNICATION INTERFACE TO *07380000
00066 C 004200* THE ROUTINE. *07390000
00067 C 004300* ***** *07400000
00068 C 004400 01 VSIO-PARAMETER-BLOCK. 07410000
00069 C 004500      02 VSIO-COMMAND          PIC X(08). 07420000
00070 C 004600      02 VSIO-RETURN-CODE      PIC S9(04) COMP. 07430000
00071 C 004700          88 VSIO-SUCCESS          VALUE +0. 07440000
00072 C 004800          88 VSIO-LOGIC-ERROR        VALUE +8. 07450000
00073 C 004900          88 VSIO-END-OF-FILE          VALUE +9999. 07460000
00074 C 005000          88 VSIO-PARAMETER-ERROR      VALUE +20 THRU +28. 07470000
00075 C 005100          88 VSIO-COMMAND-UNKNOWN      VALUE +20. 07480000
00076 C 005200          88 VSIO-DATASET-ALREADY-OPEN    VALUE +21. 07490000
00077 C 005300          88 VSIO-DATASET-NOT-OPEN      VALUE +22. 07500000
00078 C 005400          88 VSIO-ORGANIZATION-KEYWORD    VALUE +23. 07510000
00079 C 005500          88 VSIO-ACCESS-KEYWORD          VALUE +24. 07520000
00080 C 005600          88 VSIO-ACCESS-UNSUPPORTED      VALUE +25. 07530000
00081 C 005700          88 VSIO-MODE-KEYWORD            VALUE +26. 07540000
00082 C 005800          88 VSIO-MODE-UNSUPPORTED        VALUE +27. 07550000
00083 C 005900          88 VSIO-DDNAME-BLANK            VALUE +28. 07560000
00084 C 006000      02 VSIO-VSAM-RETURN-CODE  PIC S9(04) COMP. 07570000
00085 C 006100      02 VSIO-VSAM-FUNCTION-CODE  PIC S9(04) COMP. 07580000
00086 C 006200      02 VSIO-VSAM-FEEDBACK-CODE  PIC S9(04) COMP. 07590000
00087 C 006300          88 VSIO-DUPLICATE-RECORD        VALUE +8. 07600000
00088 C 006400          88 VSIO-SEQUENCE-ERROR          VALUE +12. 07610000
00089 C 006500          88 VSIO-RECORD-NOT-FOUND        VALUE +16. 07620000
00090 C 006600          88 VSIO-NO-MORE-SPACE            VALUE +28. 07630000
00091 C 006700          88 VSIO-READ-WITHOUT-START      VALUE +88. 07640000
00092 C 006800* ***** *07650000
00093 C 006900*                END OF VSAMIO COPY BOOK *07660000
00094 C 007000* ***** *07670000
00095 C 003100 01 RRDSF01                COPY VSAMIOFB. 36330000
00096 C 000100* ***** *00000100
00097 C 000200* ***** *00000200
00098 C 000300* VV VV SSSS A M M IIII OOOO FFFFFFFF BBBB *00000300
00099 C 000400* VV VV SS SS AAA MM MM II OO OO FF BB BB *00000400
00100 C 000500* VV VV SS AA AA MMM MMM II OO OO FF BB BB *00000500
00101 C 000600* VV VV SSSS AA AA MMMMMM II OO OO FFFF BBBB *00000600
00102 C 000700* VV VV SS AA AA MM M MM II OO OO FF BB BB *00000700
00103 C 000800* VV VV SS SS AAAAAA MM MM II OO OO FF BB BB *00000800
00104 C 000900* VVV SS SS AA AA MM MM II OO OO FF BB BB *00000900
00105 C 001000* V SSSS AA AA MM MM IIII OOOO FF BBBB *00001000
00106 C 001100* ***** *00001100
00107 C 001200* ***** *00001200
00108 C 001300* THESE PARAMETERS ARE USED TO INTERFACE WITH THE VSAM DATASET *00001300
00109 C 001400* ACCESS ROUTINE, AND ARE USED TO COMMUNICATE CHARACTERISTICS *00001400
00110 C 001500* FOR A SINGLE VSAM DATASET. *00001500
00111 C 001600* ***** *00001600

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00112 C 001700* WITH THE 2 EXCEPTIONS FOR RECORD LENGTH (TO ACCOMODATE *00001700
00113 C 001800* VARIABLE LENGTH RECORDS) AND RELATIVE RECORD (TO ACCOMODATE *00001800
00114 C 001900* RELATIVE RECORD DATASETS) THESE DATA NAMES MUST BE POPULATED *00001900
00115 C 002000* PRIOR TO CALLING THE ROUTINE TO OPEN THE DATASET AND MUST NOT *00002000
00116 C 002100* THEN BE CHANGED UNTIL THE DATASET HAS BEEN CLOSED. *00002100
00117 C 002200* ***** *00002200
00118 C 002300 01 RRDSF01. 00002300
00119 C 002400 02 VSIO-DDNAME PIC X(08) VALUE SPACES. 00002400
00120 C 002500 02 VSIO-ORGANIZATION PIC X(04) VALUE SPACES. 00002500
00121 C 002600 02 VSIO-ACCESS PIC X(10) VALUE SPACES. 00002600
00122 C 002700 02 VSIO-MODE PIC X(06) VALUE SPACES. 00002700
00123 C 002800 02 VSIO-RECORD-LENGTH PIC S9(04) COMP VALUE +0. 00002800
00124 C 002900 02 VSIO-KEY-ARGUMENT. 00002900
00125 C 003000 03 VSIO-KEY-POSITION PIC S9(04) COMP VALUE +0. 00003000
00126 C 003100 03 VSIO-KEY-LENGTH PIC S9(04) COMP VALUE +0. 00003100
00127 C 003200 02 VSIO-RELATIVE-RECORD REDEFINES VSIO-KEY-ARGUMENT 00003200
00128 C 003300 PIC S9(08) COMP. 00003300
00129 C 003400 02 FILLER PIC X(01) VALUE 'C'. 00003400
00130 C 003500 88 VSIO-FILE-OPEN VALUE 'O'. 00003500
00131 C 003600 88 VSIO-FILE-CLOSED VALUE 'C'. 00003600
00132 C 003700 02 FILLER PIC X(161). 00003700
00133 C 003800* ***** *00003800
00134 C 003900* END OF VSAMIOFB COPY BOOK *00003900
00135 C 004000* ***** *00004000
00136 003200 01 RRDS-RECORD PIC X(80). 36340000
00137 003300 36350000
00138 003400 PROCEDURE DIVISION. 36360000
00139 003500 36370000
00140 003600 000-INITIATE. 36380000
00141 003700 36390000
00142 003800 DISPLAY 'RRDSSSEQ: READ RRDS SEQUENTIALLY (W/START)'. 36400000
00143 003900 DISPLAY '-----'. 36410000
00144 004000 DISPLAY ' '. 36420000
00145 004100 36430000
00146 004200 MOVE 'RRDSF01' TO VSIO-DDNAME. 36440000
00147 004300 MOVE VSIO-RRDS TO VSIO-ORGANIZATION. 36450000
00148 004400 MOVE VSIO-SEQUENTIAL TO VSIO-ACCESS. 36460000
00149 004500 MOVE VSIO-INPUT TO VSIO-MODE. 36470000
00150 004600 MOVE +80 TO VSIO-RECORD-LENGTH. 36480000
00151 004700 MOVE VSIO-OPEN TO VSIO-COMMAND. 36490000
00152 004800 CALL 'VSAMIO' USING VSIO-PARAMETER-BLOCK, RRDSF01, 36500000
00153 004900 RRDS-RECORD. 36510000
00154 005000* END-CALL. 36520000
00155 005100 IF NOT VSIO-SUCCESS 36530000
00156 005200 DISPLAY 'VSAMIO ERROR OCCURRED DURING ' 36540000
00157 005300 VSIO-COMMAND 36550000
00158 005400 EXHIBIT NAMED VSIO-RETURN-CODE, 36560000
00159 005500 EXHIBIT NAMED VSIO-VSAM-RETURN-CODE, 36570000
00160 005600 VSIO-VSAM-FUNCTION-CODE, 36580000
00161 005700 VSIO-VSAM-FEEDBACK-CODE 36590000
00162 005800 STOP RUN. 36600000
00163 005900* END-IF. 36610000
00164 006000 36620000
00165 006100 010-PROCESS. 36630000
00166 006200 36640000
00167 006300 PERFORM 110-PROCESS-DATA 36650000
00168 006400 THRU 119-EXIT 36660000

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00169	006500	UNTIL END-OF-FILE.	36670000
00170	006600*	END-PERFORM.	36680000
00171	006700		36690000
00172	006800	020-TERMINATE.	36700000
00173	006900		36710000
00174	007000	MOVE VSIO-CLOSE TO VSIO-COMMAND.	36720000
00175	007100	CALL 'VSAMIO' USING VSIO-PARAMETER-BLOCK, RRDSF01,	36730000
00176	007200	RRDS-RECORD.	36740000
00177	007300*	END-CALL.	36750000
00178	007400	IF NOT VSIO-SUCCESS	36760000
00179	007500	DISPLAY 'VSAMIO ERROR OCCURRED DURING '	36770000
00180	007600	VSIO-COMMAND	36780000
00181	007700	EXHIBIT NAMED VSIO-RETURN-CODE,	36790000
00182	007800	EXHIBIT NAMED VSIO-VSAM-RETURN-CODE,	36800000
00183	007900	VSIO-VSAM-FUNCTION-CODE,	36810000
00184	008000	VSIO-VSAM-FEEDBACK-CODE.	36820000
00185	008100*	END-IF.	36830000
00186	008200		36840000
00187	008300	STOP RUN.	36850000
00188	008400		36860000
00189	008500	110-PROCESS-DATA.	36870000
00190	008600		36880000
00191	008700	DISPLAY 'START RRN EQUAL TO 21'.	36890000
00192	008800	MOVE 21 TO VSIO-RELATIVE-RECORD.	36900000
00193	008900	MOVE VSIO-START-KEY-EQUAL TO VSIO-COMMAND.	36910000
00194	009000	PERFORM 120-START-AND-READ THRU 129-EXIT.	36920000
00195	009100	DISPLAY 'START RRN EQUAL TO 51'.	36930000
00196	009200	MOVE 51 TO VSIO-RELATIVE-RECORD.	36940000
00197	009300	MOVE VSIO-START-KEY-EQUAL TO VSIO-COMMAND.	36950000
00198	009400	PERFORM 120-START-AND-READ THRU 129-EXIT.	36960000
00199	009500	DISPLAY 'START RRN GREATER THAN OR EQUAL TO 81'.	36970000
00200	009600	MOVE 81 TO VSIO-RELATIVE-RECORD.	36980000
00201	009700	MOVE VSIO-START-KEY-NOTLESS TO VSIO-COMMAND.	36990000
00202	009800	PERFORM 120-START-AND-READ THRU 129-EXIT.	37000000
00203	009900	DISPLAY 'START RRN GREATER THAN OR EQUAL TO 111'.	37010000
00204	010000	MOVE 111 TO VSIO-RELATIVE-RECORD.	37020000
00205	010100	MOVE VSIO-START-KEY-NOTLESS TO VSIO-COMMAND.	37030000
00206	010200	PERFORM 120-START-AND-READ THRU 129-EXIT.	37040000
00207	010300		37050000
00208	010400	MOVE 'Y' TO END-OF-FILE-SWITCH.	37060000
00209	010500		37070000
00210	010600	119-EXIT.	37080000
00211	010700	EXIT.	37090000
00212	010800		37100000
00213	010900	120-START-AND-READ.	37110000
00214	011000		37120000
00215	011100	CALL 'VSAMIO' USING VSIO-PARAMETER-BLOCK, RRDSF01,	37130000
00216	011200	RRDS-RECORD.	37140000
00217	011300*	END-CALL.	37150000
00218	011400		37160000
00219	011500	IF NOT VSIO-SUCCESS	37170000
00220	011600	IF VSIO-RECORD-NOT-FOUND	37180000
00221	011700	DISPLAY '*** RECORD NOT FOUND ***'	37190000
00222	011800	ELSE	37200000
00223	011900	DISPLAY 'VSAMIO ERROR OCCURRED DURING '	37210000
00224	012000	VSIO-COMMAND	37220000
00225	012100	EXHIBIT NAMED VSIO-RETURN-CODE,	37230000

00226	012200	EXHIBIT NAMED VSIO-VSAM-RETURN-CODE ,	37240000
00227	012300	VSIO-VSAM-FUNCTION-CODE ,	37250000
00228	012400	VSIO-VSAM-FEEDBACK-CODE .	37260000
00229	012500*	END-IF	37270000
00230	012600*	END-IF .	37280000
00231	012700		37290000
00232	012800	IF NOT VSIO-SUCCESS	37300000
00233	012900	GO TO 129-EXIT .	37310000
00234	013000		37320000
00235	013100	MOVE +0 TO RECORD-COUNTER .	37330000
00236	013200	PERFORM 130-READ-AND-DISPLAY THRU 139-EXIT	37340000
00237	013300	UNTIL END-OF-FILE	37350000
00238	013400	OR RECORD-COUNTER > +4 .	37360000
00239	013500*	END-PERFORM .	37370000
00240	013600	MOVE 'N' TO END-OF-FILE-SWITCH .	37380000
00241	013700		37390000
00242	013800	129-EXIT .	37400000
00243	013900	EXIT .	37410000
00244	014000		37420000
00245	014100	130-READ-AND-DISPLAY .	37430000
00246	014200		37440000
00247	014300	MOVE VSIO-READ TO VSIO-COMMAND .	37450000
00248	014400	CALL 'VSAMIO' USING VSIO-PARAMETER-BLOCK , RRDSF01 ,	37460000
00249	014500	RRDS-RECORD .	37470000
00250	014600*	END-CALL .	37480000
00251	014700		37490000
00252	014800	IF VSIO-SUCCESS	37500000
00253	014900	MOVE VSIO-RELATIVE-RECORD TO COUNTER-EDIT	37510000
00254	015000	DISPLAY COUNTER-EDIT ': ' RRDS-RECORD	37520000
00255	015100	ELSE	37530000
00256	015200	IF VSIO-END-OF-FILE	37540000
00257	015300	MOVE 'Y' TO END-OF-FILE-SWITCH	37550000
00258	015400	ELSE	37560000
00259	015500	DISPLAY 'VSAMIO ERROR OCCURRED DURING '	37570000
00260	015600	VSIO-COMMAND	37580000
00261	015700	EXHIBIT NAMED VSIO-RETURN-CODE ,	37590000
00262	015800	EXHIBIT NAMED VSIO-VSAM-RETURN-CODE ,	37600000
00263	015900	VSIO-VSAM-FUNCTION-CODE ,	37610000
00264	016000	VSIO-VSAM-FEEDBACK-CODE .	37620000
00265	016100*	END-IF	37630000
00266	016200*	END-IF .	37640000
00267	016300		37650000
00268	016400	ADD +1 TO RECORD-COUNTER .	37660000
00269	016500		37670000
00270	016600	139-EXIT .	37680000
00271	016700	EXIT .	37690000
00272	016800		37700000
00273	016900		37710000

INTRNL NAME	LVL	SOURCE NAME	BASE	DISPL	INTRNL NAME	DEFINITION	USAGE	R	O	Q	M
DNM=1-209	77	END-OF-FILE-SWITCH	BL=1	000	DNM=1-209	DS 1C	DISP				
DNM=1-240	88	END-OF-FILE			DNM=1-240						
DNM=1-262	77	RECORD-COUNTER	BL=1	001	DNM=1-262	DS 8C	DISP-NM				
DNM=1-286	77	COUNTER-EDIT	BL=1	009	DNM=1-286	DS 10C	NM-EDIT				
DNM=1-323	01	VSIO-PARAMETER-VALUES	BL=1	018	DNM=1-323	DS 0CL124	GROUP				
DNM=1-357	02	VSIO-OPEN	BL=1	018	DNM=1-357	DS 8C	DISP				
DNM=1-376	02	VSIO-CLOSE	BL=1	020	DNM=1-376	DS 8C	DISP				
DNM=1-396	02	VSIO-READ	BL=1	028	DNM=1-396	DS 8C	DISP				
DNM=1-418	02	VSIO-WRITE	BL=1	030	DNM=1-418	DS 8C	DISP				
DNM=1-438	02	VSIO-REWRITE	BL=1	038	DNM=1-438	DS 8C	DISP				
DNM=1-460	02	VSIO-DELETE	BL=1	040	DNM=1-460	DS 8C	DISP				
DNM=1-481	02	VSIO-START-KEY-EQUAL	BL=1	048	DNM=1-481	DS 8C	DISP				
DNM=2-000	02	VSIO-START-KEY-NOTLESS	BL=1	050	DNM=2-000	DS 8C	DISP				
DNM=2-032	02	VSIO-KSDS	BL=1	058	DNM=2-032	DS 4C	DISP				
DNM=2-051	02	VSIO-ESDS	BL=1	05C	DNM=2-051	DS 4C	DISP				
DNM=2-070	02	VSIO-RRDS	BL=1	060	DNM=2-070	DS 4C	DISP				
DNM=2-089	02	VSIO-SEQUENTIAL	BL=1	064	DNM=2-089	DS 10C	DISP				
DNM=2-114	02	VSIO-DIRECT	BL=1	06E	DNM=2-114	DS 10C	DISP				
DNM=2-135	02	VSIO-DYNAMIC	BL=1	078	DNM=2-135	DS 10C	DISP				
DNM=2-157	02	VSIO-INPUT	BL=1	082	DNM=2-157	DS 6C	DISP				
DNM=2-177	02	VSIO-OUTPUT	BL=1	088	DNM=2-177	DS 6C	DISP				
DNM=2-198	02	VSIO-INPUT-OUTPUT	BL=1	08E	DNM=2-198	DS 6C	DISP				
DNM=2-225	01	VSIO-PARAMETER-BLOCK	BL=1	098	DNM=2-225	DS 0CL16	GROUP				
DNM=2-258	02	VSIO-COMMAND	BL=1	098	DNM=2-258	DS 8C	DISP				
DNM=2-283	02	VSIO-RETURN-CODE	BL=1	0A0	DNM=2-283	DS 2C	COMP				
DNM=2-312	88	VSIO-SUCCESS			DNM=2-312						
DNM=2-337	88	VSIO-LOGIC-ERROR			DNM=2-337						
DNM=2-366	88	VSIO-END-OF-FILE			DNM=2-366						
DNM=2-397	88	VSIO-PARAMETER-ERROR			DNM=2-397						
DNM=2-427	88	VSIO-COMMAND-UNKNOWN			DNM=2-427						
DNM=2-461	88	VSIO-DATASET-ALREADY-OPEN			DNM=2-461						
DNM=3-000	88	VSIO-DATASET-NOT-OPEN			DNM=3-000						
DNM=3-035	88	VSIO-ORGANIZATION-KEYWORD			DNM=3-035						
DNM=3-074	88	VSIO-ACCESS-KEYWORD			DNM=3-074						
DNM=3-107	88	VSIO-ACCESS-UNSUPPORTED			DNM=3-107						
DNM=3-144	88	VSIO-MODE-KEYWORD			DNM=3-144						
DNM=3-175	88	VSIO-MODE-UNSUPPORTED			DNM=3-175						
DNM=3-210	88	VSIO-DDNAME-BLANK			DNM=3-210						
DNM=3-241	02	VSIO-VSAM-RETURN-CODE	BL=1	0A2	DNM=3-241	DS 2C	COMP				
DNM=3-272	02	VSIO-VSAM-FUNCTION-CODE	BL=1	0A4	DNM=3-272	DS 2C	COMP				
DNM=3-305	02	VSIO-VSAM-FEEDBACK-CODE	BL=1	0A6	DNM=3-305	DS 2C	COMP				
DNM=3-341	88	VSIO-DUPLICATE-RECORD			DNM=3-341						
DNM=3-375	88	VSIO-SEQUENCE-ERROR			DNM=3-375						
DNM=3-408	88	VSIO-RECORD-NOT-FOUND			DNM=3-408						
DNM=3-443	88	VSIO-NO-MORE-SPACE			DNM=3-443						
DNM=4-000	88	VSIO-READ-WITHOUT-START			DNM=4-000						
DNM=4-037	01	RRDSF01	BL=1	0A8	DNM=4-037	DS 0CL196	GROUP				
DNM=4-057	02	VSIO-DDNAME	BL=1	0A8	DNM=4-057	DS 8C	DISP				
DNM=4-078	02	VSIO-ORGANIZATION	BL=1	0B0	DNM=4-078	DS 4C	DISP				
DNM=4-108	02	VSIO-ACCESS	BL=1	0B4	DNM=4-108	DS 10C	DISP				
DNM=4-129	02	VSIO-MODE	BL=1	0BE	DNM=4-129	DS 6C	DISP				
DNM=4-148	02	VSIO-RECORD-LENGTH	BL=1	0C4	DNM=4-148	DS 2C	COMP				
DNM=4-176	02	VSIO-KEY-ARGUMENT	BL=1	0C6	DNM=4-176	DS 0CL4	GROUP				
DNM=4-209	03	VSIO-KEY-POSITION	BL=1	0C6	DNM=4-209	DS 2C	COMP				
DNM=4-239	03	VSIO-KEY-LENGTH	BL=1	0C8	DNM=4-239	DS 2C	COMP				

INTRNL NAME	LVL	SOURCE NAME	BASE	DISPL	INTRNL NAME	DEFINITION	USAGE	R	O	Q	M
DNM=4-264	02	VSIO-RELATIVE-RECORD	BL=1	0C6	DNM=4-264	DS 4C	COMP	R			
DNM=4-294	02	FILLER	BL=1	0CA	DNM=4-294	DS 1C	DISP				
DNM=4-316	88	VSIO-FILE-OPEN			DNM=4-316						
DNM=4-341	88	VSIO-FILE-CLOSED			DNM=4-341						
DNM=4-368	02	FILLER	BL=1	0CB	DNM=4-368	DS 161C	DISP				
DNM=4-387	01	RRDS-RECORD	BL=1	170	DNM=4-387	DS 80C	DISP				

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*STATISTICS*      SOURCE RECORDS = 273      DATA DIVISION STATEMENTS = 63      PROCEDURE DIVISION STATEMENTS = 69
*OPTIONS IN EFFECT*  SIZE = 2097152  BUF = 1048576  LINECNT = 57  SPACE1, FLAGW, SEQ, SOURCE
*OPTIONS IN EFFECT*    DMAP, NOPMAP, NOCLIST, SUPMAP, NOXREF, LOAD, NODECK, APOST, NOTRUNC, LIB, NOVERB
*OPTIONS IN EFFECT*    ZWB
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F64-LEVEL LINKAGE EDITOR OPTIONS SPECIFIED LIST,XREF,LET
DEFAULT OPTION(S) USED - SIZE=(231424,55296)

CROSS REFERENCE TABLE

CONTROL SECTION			ENTRY							
NAME	ORIGIN	LENGTH	NAME	LOCATION	NAME	LOCATION	NAME	LOCATION	NAME	LOCATION
RRDSSSEQ	00	D38								
ILBODSP0*	D38	700								
ILBOSTP0*	1438	35								
			ILBOSTP1	144E						
VSAMIO *	1470	D0A								

LOCATION	REFERS TO SYMBOL	IN CONTROL SECTION	LOCATION	REFERS TO SYMBOL	IN CONTROL SECTION
460	ILBOSTP0	ILBOSTP0	464	ILBODSP0	ILBODSP0
468	VSAMIO	VSAMIO	46C	ILBOSTP1	ILBOSTP0

ENTRY ADDRESS 00

TOTAL LENGTH 2180

***RUN DOES NOT EXIST BUT HAS BEEN ADDED TO DATA SET

AUTHORIZATION CODE IS 0.

RRDSSSEQ: READ RRDS SEQUENTIALLY (W/START)

START RRN EQUAL TO 21

21:	1033846021	CHERYL I TUCKER	660 SHORE ROAD	LOUISVILLE	KY
22:	9998019022	HANNAH F QUIMBY	6151 MAIN COURT	PHOENIX	AZ
23:	1168050023	TAMMY J FRANKLIN	5226 ROSA LINDA ROAD	LOUISVILLE	KY
24:	9971074024	TAMMY M HARMON	243 KINGS RIDGE STREET	GREENVILLE	SC
26:	1511914026	SAMANTHA J TEMPLETON	1534 SUN MEADOW AVENUE	FORT LAUDERDALE	FL

START RRN EQUAL TO 51

*** RECORD NOT FOUND ***

START RRN GREATER THAN OR EQUAL TO 81

81:	3851331081	CLIFF J DRAKE	169 SHORE AVENUE	CHICAGO	IL
82:	9912384082	CRAIG O LABROIE	8021 MILL MOUNTAIN PLACE	MURFREESBORO	TN
83:	4077702083	ROLAND P RODGERS	827 MEADOW STREET	TULSA	OK
84:	9993285084	JACK J SCHWAB	250 BUCKLEY PLACE	CHICAGO	IL
86:	4197550086	TROY S POWERS	1707 BRIDGE STREET	ENGLEWOOD	CO

START RRN GREATER THAN OR EQUAL TO 111

121:	5582803121	ANGELA J ERWIN	2709 BIENVILLE STREET	NEWPORT BEACH	CA
122:	9918369122	PETER F ALEXANDER	5500 KNICKERBOCKER AVENUE	BINGHAMTON	NY
123:	5731895123	BETTY H BOWERS	3787 WINDWOOD PLACE	SALT LAKE CITY	UT
124:	9964671124	PETER L SCHAEFER	358 ATOLL STREET	PASADENA	CA
126:	5877149126	ROBERT P GLOVER	6394 PARSON ROAD	NORWALK	CT