

J E S 2 J O B L O G

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17.47.35 JOB 140 IEF677I WARNING MESSAGE(S) FOR JOB VSTESTR6 ISSUED
17.47.35 JOB 140 $HASP373 VSTESTR6 STARTED - INIT 1 - CLASS A - SYS HMVS
17.47.35 JOB 140 IEF403I VSTESTR6 - STARTED - TIME=17.47.35
17.47.35 JOB 140 IEC130I SYSPUNCH DD STATEMENT MISSING
17.47.35 JOB 140 IEC130I SYSPUNCH DD STATEMENT MISSING
17.47.35 JOB 140 CCI001C COB      /IKFCBL00/00:00:00.07/      /00000/1      /VSTESTR6
17.47.35 JOB 140 CCI001C LKED    /IEWL      /00:00:00.02/      /00000/1      /VSTESTR6
17.47.35 JOB 140 CCI001C GO      /PGM=*.DD/00:00:00.01/  /00000/1      /VSTESTR6
17.47.35 JOB 140 IEF404I VSTESTR6 - ENDED - TIME=17.47.35
17.47.35 JOB 140 $HASP395 VSTESTR6 ENDED
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----- JES2 JOB STATISTICS -----

07 JUL 20 JOB EXECUTION DATE

28 CARDS READ

703 SYSOUT PRINT RECORDS

0 SYSOUT PUNCH RECORDS

0.00 MINUTES EXECUTION TIME

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1 //VSTESTR6 JOB 1,'VSAMIO IVP RRDSRAND ',CLASS=A,MSGCLASS=X, JOB 140
// REGION=4096K
***
*****
*** COBOL MODULE: RRDSRAND VSAM DATASET: VSTESTRR.CLUSTER (RRDS)
***
*** RANDOMLY ACCESS DATASET AND ADD, UPDATE, OR DELETE RECORDS
*****
***
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(RRDSRAND),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
26 //GO.SYSIN DD *

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STMT NO. MESSAGE

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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 VSTESTR6 COB COB
IEF237I 253 ALLOCATED TO STEPLIB
IEF237I 253 ALLOCATED TO SYS00281
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 380 ALLOCATED TO SYSLIN
IEF237I 253 ALLOCATED TO SYSLIB
IEF237I 253 ALLOCATED TO SYSIN
IEC130I SYSPUNCH DD STATEMENT MISSING
IEC130I SYSPUNCH DD STATEMENT MISSING
IEF142I VSTESTR6 COB COB - STEP WAS EXECUTED - COND CODE 0000
IEF285I SYSC.LINKLIB KEPT *-----0
IEF285I VOL SER NOS= SYSCP.
IEF285I UCSYSCP. KEPT *-----0
IEF285I VOL SER NOS= SYSCP.
IEF285I JES2.JOB00140.SO0102 SYSOUT
IEF285I SYS20189.T174735.RA000.VSTESTR6.R0000001 DELETED *-----6
IEF285I VOL SER NOS= MVS380.
IEF285I SYS20189.T174735.RA000.VSTESTR6.R0000002 DELETED *-----6
IEF285I VOL SER NOS= WORK00.
IEF285I SYS20189.T174735.RA000.VSTESTR6.R0000003 DELETED *-----9
IEF285I VOL SER NOS= MVS370.
IEF285I SYS20189.T174735.RA000.VSTESTR6.R0000004 DELETED *-----8
IEF285I VOL SER NOS= WORK01.
IEF285I SYS20189.T174735.RA000.VSTESTR6.LOADSET PASSED *-----103
IEF285I VOL SER NOS= MVS380.
IEF285I SYSC.VSAMIO.SOURCE KEPT *-----6
IEF285I VOL SER NOS= SYSCP.
IEF285I SYSC.VSAMIO.SOURCE KEPT *-----4
IEF285I VOL SER NOS= SYSCP.
IEF373I STEP /COB / START 20189.1747
IEF374I STEP /COB / STOP 20189.1747 CPU 0MIN 00.07SEC SRB 0MIN 00.02SEC VIRT 2076K SYS 216K
**** JOBCARD READ 20189 17:47:35 *****
* PRC-CCI 370/148 VS2 R03.8 HMVS STEP STATISTICS *
* STEP NAME COB USER CORE 2076K TAPES USED/IO 000/000000000 START TIME 17:47:35 TCB TIME 00:00:00.07 *
* PGM NAME IKFCBL00 SYSTEM CORE 216K DISKS USED/IO 005/000000142 STOP TIME 17:47:35 SRB TIME 00:00:00.02 *
* COND CODE 0000 PRIVATE AREA SZ 4096K ALLOC TIME 17:47:35 ELAPSED TIME PGM LOAD 17:47:35 *
** PGNO * NR SRV UNITS * ACTIVE TIME ** PAGES IN *** PAGES OUT ** # SWAPS * PGS SWAP IN * PGS SWAP OUT * VIO PGS IN * VIO PGS OUT **
* 004 839 00:00:00.11 0 0 0 0 0 0 *
*****
* CPU $ ( 0.02 ) + EXCP $ ( 0.19 ) + MEMORY $ ( 0.41 ) = TOTAL $ ( 0.62 ) *
*****
IEF236I ALLOC. FOR VSTESTR6 LKED COB
IEF237I 380 ALLOCATED TO SYSLIN
IEF237I DMY ALLOCATED TO
IEF237I 251 ALLOCATED TO SYSLMOD
IEF237I 253 ALLOCATED TO SYSLIB
IEF237I 253 ALLOCATED TO
IEF237I 253 ALLOCATED TO SYS00283
IEF237I 370 ALLOCATED TO SYSUT1
IEF237I JES2 ALLOCATED TO SYSPRINT
IEF142I VSTESTR6 LKED COB - STEP WAS EXECUTED - COND CODE 0000
IEF285I SYS20189.T174735.RA000.VSTESTR6.LOADSET DELETED *-----104
IEF285I VOL SER NOS= MVS380.
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IEF285I  SYS20189.T174735.RA000.VSTESTR6.GODATA      PASSED      *-----12
IEF285I  VOL SER NOS= WORK00.
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.T174735.RA000.VSTESTR6.R0000005  DELETED     *-----0
IEF285I  VOL SER NOS= MVS370.
IEF285I  JES2.JOB00140.SO0103                       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  17:47:35  TCB TIME  00:00:00.02 *
* PGM NAME  IEWL      SYSTEM CORE      208K  DISKS USED/IO 004/000000143  STOP   TIME  17:47:35  SRB TIME  00:00:00.00 *
* COND CODE  0000    PRIVATE AREA SZ  4096K  ALLOC TIME  17:47:35  ELAPSED TIME  PGM LOAD  17:47:35 *
** PGNO * NR SRV UNITS * ACTIVE TIME ** PAGES IN *** PAGES OUT ** # SWAPS * PGS SWAP IN * PGS SWAP OUT * VIO PGS IN * VIO PGS OUT **
*  004      744    00:00:00.03          0          0          0          0          0          0          0          0 *
*****
* CPU $ ( 0.00) + EXCP $ ( 0.19) + MEMORY $ ( 0.01) = TOTAL $ ( 0.20)
*****
IEF236I  ALLOC. FOR VSTESTR6 GO COB
IEF237I  251  ALLOCATED TO PGM=*.DD
IEF237I  JES2 ALLOCATED TO SYSOUT
IEF237I  JES2 ALLOCATED TO SYSUDUMP
IEF237I  190  ALLOCATED TO RRDSF01
IEF237I  190  ALLOCATED TO SYS00285
IEF237I  JES2 ALLOCATED TO SYSIN
IEF142I  VSTESTR6 GO COB - STEP WAS EXECUTED - COND CODE 0000
IEF285I  SYS20189.T174735.RA000.VSTESTR6.GODATA      KEPT        *-----0
IEF285I  VOL SER NOS= WORK00.
IEF285I  JES2.JOB00140.SO0104                       SYSOUT
IEF285I  JES2.JOB00140.SO0105                       SYSOUT
IEF285I  PUB001.VSTESTRR.CLUSTER                    KEPT        *-----15
IEF285I  VOL SER NOS= PUB001.
IEF285I  UCPUB001                                    KEPT        *-----0
IEF285I  VOL SER NOS= PUB001.
IEF285I  JES2.JOB00140.SI0101                       SYSIN
IEF373I  STEP /GO      / START 20189.1747
IEF374I  STEP /GO      / STOP  20189.1747 CPU      OMIN 00.01SEC SRB      OMIN 00.00SEC VIRT    60K SYS    220K
*****
*
*          PRC-CCI  370/148 VS2 R03.8  HMVS  STEP STATISTICS
* STEP NAME  GO      USER CORE      60K  TAPES USED/IO 000/000000000  START  TIME  17:47:35  TCB TIME  00:00:00.01 *
* PGM NAME  PGM=*.DD  SYSTEM CORE      220K  DISKS USED/IO 002/000000015  STOP   TIME  17:47:35  SRB TIME  00:00:00.00 *
* COND CODE  0000    PRIVATE AREA SZ  4096K  ALLOC TIME  17:47:35  ELAPSED TIME  PGM LOAD  17:47:35 *
** PGNO * NR SRV UNITS * ACTIVE TIME ** PAGES IN *** PAGES OUT ** # SWAPS * PGS SWAP IN * PGS SWAP OUT * VIO PGS IN * VIO PGS OUT **
*  004      105    00:00:00.02          0          0          0          0          0          0          0          0 *
*****
* CPU $ ( 0.00) + EXCP $ ( 0.02) + MEMORY $ ( 0.00) = TOTAL $ ( 0.02)
*****
IEF237I  251  ALLOCATED TO SYS00001
IEF285I  SYS20189.T174735.RA000.VSTESTR6.R0000001  KEPT        *-----0
IEF285I  VOL SER NOS= WORK00.
IEF285I  SYS20189.T174735.RA000.VSTESTR6.GODATA      DELETED
IEF285I  VOL SER NOS= WORK00.
IEF375I  JOB /VSTESTR6/ START 20189.1747
IEF376I  JOB /VSTESTR6/ STOP  20189.1747 CPU      OMIN 00.10SEC SRB      OMIN 00.02SEC

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00001 000100 IDENTIFICATION DIVISION. 32090000
00002 000200 PROGRAM-ID. RRDSRAND. 32100000
00003 000300 AUTHOR. JAY MOSELEY. 32110000
00004 000400 DATE-WRITTEN. NOVEMBER, 2001. 32120000
00005 000500 DATE-COMPILED. JUL 7,1920. 32130000
00006 001200 ENVIRONMENT DIVISION. 32200000
00007 001300 CONFIGURATION SECTION. 32210000
00008 001400 SOURCE-COMPUTER. IBM-370. 32220000
00009 001500 OBJECT-COMPUTER. IBM-370. 32230000
00010 001600 32240000
00011 001700 INPUT-OUTPUT SECTION. 32250000
00012 001800 FILE-CONTROL. 32260000
00013 001900 32270000
00014 002000 SELECT RECORD-IMAGES 32280000
00015 002100 ASSIGN TO UR-2540R-S-SYSIN. 32290000
00016 002200 32300000
00017 002300 DATA DIVISION. 32310000
00018 002400 FILE SECTION. 32320000
00019 002500 32330000
00020 002600 FD RECORD-IMAGES 32340000
00021 002700 LABEL RECORDS ARE OMITTED 32350000
00022 002800 BLOCK CONTAINS 0 RECORDS 32360000
00023 002900 DATA RECORD IS RECORD-IMAGE. 32370000
00024 003000 32380000
00025 003100 01 RECORD-IMAGE. 32390000
00026 003200 02 RI-ACTION PIC X(01). 32400000
00027 003300 88 ACTION-IS-ADD VALUE 'A'. 32410000
00028 003400 88 ACTION-IS-CHANGE VALUE 'C'. 32420000
00029 003500 88 ACTION-IS-DELETE VALUE 'D'. 32430000
00030 003600 88 ACTION-IS-VALID VALUE 'A', 'C', 'D'. 32440000
00031 003700 02 FILLER PIC X(01). 32450000
00032 003800 02 RI-IMAGE PIC X(78). 32460000
00033 003900 32470000
00034 004000 WORKING-STORAGE SECTION. 32480000
00035 004100 77 END-OF-FILE-SWITCH PIC X(1) VALUE 'N'. 32490000
00036 004200 88 END-OF-FILE VALUE 'Y'. 32500000
00037 004300 32510000
00038 004400 77 RECORD-COUNTER PIC S9(8) VALUE +0. 32520000
00039 004500 77 COUNTER-EDIT PIC ZZ,ZZZ,ZZ9. 32530000
00040 004600 32540000
00041 004700 01 VSIO-PARAMETER-VALUES COPY VSAMIO. 32550000
00042 C 000100* ***** *06980000
00043 C 000200* *06990000
00044 C 000300* VV VV SSSSS A M M IIII OOOO *07000000
00045 C 000400* VV VV SS SS AAA MM MM II OO OO *07010000
00046 C 000500* VV VV SS AA AA MMM MMM II OO OO *07020000
00047 C 000600* VV VV SSSSS AA AA MMMMMMMM II OO OO *07030000
00048 C 000700* VV VV SS AA AA MM M MM II OO OO *07040000
00049 C 000800* VV VV SS SS AAAAAA MM MM II OO OO *07050000
00050 C 000900* VVV SS SS AA AA MM MM II OO OO *07060000
00051 C 001000* V SSSSS AA AA MM MM IIII OOOO *07070000
00052 C 001100* *07080000
00053 C 001200* ***** *07090000
00054 C 001300* *07100000

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00055 C 001400* THESE PARAMETERS ARE USED TO INTERFACE WITH THE VSAM DATASET *07110000
00056 C 001500* ACCESS ROUTINE. *07120000
00057 C 001600* *07130000
00058 C 001700* THE VSIO-PARAMETER-VALUES SUPPLY THE VALUES USED TO MOVE INTO *07140000
00059 C 001800* PARAMETER ENTRIES TO TAILOR THE ROUTINE TO A SPECIFIC DATASET *07150000
00060 C 001900* AND TO PROVIDE COMMANDS TO DRIVE THE ROUTINE. *07160000
00061 C 002000* ***** *07170000
00062 C 002100 01 VSIO-PARAMETER-VALUES. 07180000
00063 C 002200 02 VSIO-OPEN PIC X(08) VALUE 'OPEN ' . 07190000
00064 C 002300 02 VSIO-CLOSE PIC X(08) VALUE 'CLOSE ' . 07200000
00065 C 002400 02 VSIO-READ PIC X(08) VALUE 'READ ' . 07210000
00066 C 002500 02 VSIO-WRITE PIC X(08) VALUE 'WRITE ' . 07220000
00067 C 002600 02 VSIO-REWRITE PIC X(08) VALUE 'REWRITE ' . 07230000
00068 C 002700 02 VSIO-DELETE PIC X(08) VALUE 'DELETE ' . 07240000
00069 C 002800 02 VSIO-START-KEY-EQUAL PIC X(08) VALUE 'STARTEQ ' . 07250000
00070 C 002900 02 VSIO-START-KEY-NOTLESS PIC X(08) VALUE 'STARTGE ' . 07260000
00071 C 003000 02 VSIO-KSDS PIC X(04) VALUE 'KSDS' . 07270000
00072 C 003100 02 VSIO-ESDS PIC X(04) VALUE 'ESDS' . 07280000
00073 C 003200 02 VSIO-RRDS PIC X(04) VALUE 'RRDS' . 07290000
00074 C 003300 02 VSIO-SEQUENTIAL PIC X(10) VALUE 'SEQUENTIAL' . 07300000
00075 C 003400 02 VSIO-DIRECT PIC X(10) VALUE 'DIRECT ' . 07310000
00076 C 003500 02 VSIO-DYNAMIC PIC X(10) VALUE 'DYNAMIC ' . 07320000
00077 C 003600 02 VSIO-INPUT PIC X(06) VALUE 'INPUT ' . 07330000
00078 C 003700 02 VSIO-OUTPUT PIC X(06) VALUE 'OUTPUT' . 07340000
00079 C 003800 02 VSIO-INPUT-OUTPUT PIC X(06) VALUE 'UPDATE' . 07350000
00080 C 003900 07360000
00081 C 004000* ***** *07370000
00082 C 004100* THE VSIO-PARAMETER-BLOCK IS THE COMMUNICATION INTERFACE TO *07380000
00083 C 004200* THE ROUTINE. *07390000
00084 C 004300* ***** *07400000
00085 C 004400 01 VSIO-PARAMETER-BLOCK. 07410000
00086 C 004500 02 VSIO-COMMAND PIC X(08). 07420000
00087 C 004600 02 VSIO-RETURN-CODE PIC S9(04) COMP. 07430000
00088 C 004700 88 VSIO-SUCCESS VALUE +0. 07440000
00089 C 004800 88 VSIO-LOGIC-ERROR VALUE +8. 07450000
00090 C 004900 88 VSIO-END-OF-FILE VALUE +9999. 07460000
00091 C 005000 88 VSIO-PARAMETER-ERROR VALUE +20 THRU +28. 07470000
00092 C 005100 88 VSIO-COMMAND-UNKNOWN VALUE +20. 07480000
00093 C 005200 88 VSIO-DATASET-ALREADY-OPEN VALUE +21. 07490000
00094 C 005300 88 VSIO-DATASET-NOT-OPEN VALUE +22. 07500000
00095 C 005400 88 VSIO-ORGANIZATION-KEYWORD VALUE +23. 07510000
00096 C 005500 88 VSIO-ACCESS-KEYWORD VALUE +24. 07520000
00097 C 005600 88 VSIO-ACCESS-UNSUPPORTED VALUE +25. 07530000
00098 C 005700 88 VSIO-MODE-KEYWORD VALUE +26. 07540000
00099 C 005800 88 VSIO-MODE-UNSUPPORTED VALUE +27. 07550000
00100 C 005900 88 VSIO-DDNAME-BLANK VALUE +28. 07560000
00101 C 006000 02 VSIO-VSAM-RETURN-CODE PIC S9(04) COMP. 07570000
00102 C 006100 02 VSIO-VSAM-FUNCTION-CODE PIC S9(04) COMP. 07580000
00103 C 006200 02 VSIO-VSAM-FEEDBACK-CODE PIC S9(04) COMP. 07590000
00104 C 006300 88 VSIO-DUPLICATE-RECORD VALUE +8. 07600000
00105 C 006400 88 VSIO-SEQUENCE-ERROR VALUE +12. 07610000
00106 C 006500 88 VSIO-RECORD-NOT-FOUND VALUE +16. 07620000
00107 C 006600 88 VSIO-NO-MORE-SPACE VALUE +28. 07630000
00108 C 006700 88 VSIO-READ-WITHOUT-START VALUE +88. 07640000
00109 C 006800* ***** *07650000
00110 C 006900* END OF VSAMIO COPY BOOK *07660000
00111 C 007000* ***** *07670000

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00112 004800 01 RRDSF01 COPY VSAMIOFB. 32560000
00113 C 000100* ***** *00000100
00114 C 000200* ***** *00000200
00115 C 000300* VV VV SSSSS A M M IIII OOOO FFFFFFFF BBBB *00000300
00116 C 000400* VV VV SS SS AAA MM MM II OO OO FF BB BB *00000400
00117 C 000500* VV VV SS AA AA MMM MMM II OO OO FF BB BB *00000500
00118 C 000600* VV VV SSSSS AA AA MMMMMMMM II OO OO FFFFF BBBB *00000600
00119 C 000700* VV VV SS AA AA MM M MM II OO OO FF BB BB *00000700
00120 C 000800* VV VV SS SS AAAAAA MM MM II OO OO FF BB BB *00000800
00121 C 000900* VVV SS SS AA AA MM MM II OO OO FF BB BB *00000900
00122 C 001000* V SSSSS AA AA MM MM IIII OOOO FF BBBB *00001000
00123 C 001100* ***** *00001100
00124 C 001200* ***** *00001200
00125 C 001300* THESE PARAMETERS ARE USED TO INTERFACE WITH THE VSAM DATASET *00001300
00126 C 001400* ACCESS ROUTINE, AND ARE USED TO COMMUNICATE CHARACTERISTICS *00001400
00127 C 001500* FOR A SINGLE VSAM DATASET. *00001500
00128 C 001600* ***** *00001600
00129 C 001700* WITH THE 2 EXCEPTIONS FOR RECORD LENGTH (TO ACCOMODATE *00001700
00130 C 001800* VARIABLE LENGTH RECORDS) AND RELATIVE RECORD (TO ACCOMODATE *00001800
00131 C 001900* RELATIVE RECORD DATASETS) THESE DATA NAMES MUST BE POPULATED *00001900
00132 C 002000* PRIOR TO CALLING THE ROUTINE TO OPEN THE DATASET AND MUST NOT *00002000
00133 C 002100* THEN BE CHANGED UNTIL THE DATASET HAS BEEN CLOSED. *00002100
00134 C 002200* ***** *00002200
00135 C 002300 01 RRDSF01. 00002300
00136 C 002400 02 VSIO-DDNAME PIC X(08) VALUE SPACES. 00002400
00137 C 002500 02 VSIO-ORGANIZATION PIC X(04) VALUE SPACES. 00002500
00138 C 002600 02 VSIO-ACCESS PIC X(10) VALUE SPACES. 00002600
00139 C 002700 02 VSIO-MODE PIC X(06) VALUE SPACES. 00002700
00140 C 002800 02 VSIO-RECORD-LENGTH PIC S9(04) COMP VALUE +0. 00002800
00141 C 002900 02 VSIO-KEY-ARGUMENT. 00002900
00142 C 003000 03 VSIO-KEY-POSITION PIC S9(04) COMP VALUE +0. 00003000
00143 C 003100 03 VSIO-KEY-LENGTH PIC S9(04) COMP VALUE +0. 00003100
00144 C 003200 02 VSIO-RELATIVE-RECORD REDEFINES VSIO-KEY-ARGUMENT 00003200
00145 C 003300 PIC S9(08) COMP. 00003300
00146 C 003400 02 FILLER PIC X(01) VALUE 'C'. 00003400
00147 C 003500 88 VSIO-FILE-OPEN VALUE 'O'. 00003500
00148 C 003600 88 VSIO-FILE-CLOSED VALUE 'C'. 00003600
00149 C 003700 02 FILLER PIC X(161). 00003700
00150 C 003800* ***** *00003800
00151 C 003900* END OF VSAMIOFB COPY BOOK *00003900
00152 C 004000* ***** *00004000
00153 004900 01 RRDS-RECORD. 32570000
00154 005000 02 RR-KEY. 32580000
00155 005100 03 RRK-HIGH PIC 9(7). 32590000
00156 005200 03 RRK-LOW PIC 9(3). 32600000
00157 005300 02 FILLER PIC X(70). 32610000
00158 005400 32620000
00159 005500 PROCEDURE DIVISION. 32630000
00160 005600 32640000
00161 005700 000-INITIATE. 32650000
00162 005800 32660000
00163 005900 DISPLAY 'RRDSRAND: READ/REWRITE RRDS DIRECT'. 32670000
00164 006000 DISPLAY '-----'. 32680000
00165 006100 DISPLAY ' '. 32690000
00166 006200 32700000
00167 006300 OPEN INPUT RECORD-IMAGES. 32710000
00168 006400 32720000

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00169	006500	MOVE 'RRDSF01' TO VSIO-DDNAME.	32730000
00170	006600	MOVE VSIO-RRDS TO VSIO-ORGANIZATION.	32740000
00171	006700	MOVE VSIO-DIRECT TO VSIO-ACCESS.	32750000
00172	006800	MOVE VSIO-INPUT-OUTPUT TO VSIO-MODE.	32760000
00173	006900	MOVE +80 TO VSIO-RECORD-LENGTH.	32770000
00174	007000	MOVE VSIO-OPEN TO VSIO-COMMAND.	32780000
00175	007100	CALL 'VSAMIO' USING VSIO-PARAMETER-BLOCK, RRDSF01,	32790000
00176	007200	RRDS-RECORD.	32800000
00177	007300*	END-CALL.	32810000
00178	007400	IF NOT VSIO-SUCCESS	32820000
00179	007500	DISPLAY 'VSAMIO ERROR OCCURRED DURING '	32830000
00180	007600	VSIO-COMMAND	32840000
00181	007700	EXHIBIT NAMED VSIO-RETURN-CODE,	32850000
00182	007800	EXHIBIT NAMED VSIO-VSAM-RETURN-CODE,	32860000
00183	007900	VSIO-VSAM-FUNCTION-CODE,	32870000
00184	008000	VSIO-VSAM-FEEDBACK-CODE	32880000
00185	008100	STOP RUN.	32890000
00186	008200*	END-IF.	32900000
00187	008300		32910000
00188	008400	010-PROCESS.	32920000
00189	008500		32930000
00190	008600	PERFORM 110-PROCESS-UPDATES	32940000
00191	008700	THRU 119-EXIT	32950000
00192	008800	UNTIL END-OF-FILE.	32960000
00193	008900*	END-PERFORM.	32970000
00194	009000		32980000
00195	009100	020-TERMINATE.	32990000
00196	009200		33000000
00197	009300	MOVE VSIO-CLOSE TO VSIO-COMMAND.	33010000
00198	009400	CALL 'VSAMIO' USING VSIO-PARAMETER-BLOCK, RRDSF01,	33020000
00199	009500	RRDS-RECORD.	33030000
00200	009600*	END-CALL.	33040000
00201	009700	IF NOT VSIO-SUCCESS	33050000
00202	009800	DISPLAY 'VSAMIO ERROR OCCURRED DURING '	33060000
00203	009900	VSIO-COMMAND	33070000
00204	010000	EXHIBIT NAMED VSIO-RETURN-CODE,	33080000
00205	010100	EXHIBIT NAMED VSIO-VSAM-RETURN-CODE,	33090000
00206	010200	VSIO-VSAM-FUNCTION-CODE,	33100000
00207	010300	VSIO-VSAM-FEEDBACK-CODE.	33110000
00208	010400*	END-IF.	33120000
00209	010500		33130000
00210	010600	STOP RUN.	33140000
00211	010700		33150000
00212	010800	110-PROCESS-UPDATES.	33160000
00213	010900		33170000
00214	011000	READ RECORD-IMAGES	33180000
00215	011100	AT END	33190000
00216	011200	MOVE 'Y' TO END-OF-FILE-SWITCH.	33200000
00217	011300*	END-READ.	33210000
00218	011400		33220000
00219	011500	IF END-OF-FILE	33230000
00220	011600	GO TO 119-EXIT.	33240000
00221	011700*	END-IF.	33250000
00222	011800		33260000
00223	011900	ADD +1 TO RECORD-COUNTER.	33270000
00224	012000		33280000
00225	012100	IF NOT ACTION-IS-VALID	33290000



00226	012200	MOVE RECORD-COUNTER TO COUNTER-EDIT	33300000
00227	012300	DISPLAY COUNTER-EDIT ': ' RECORD-IMAGE	33310000
00228	012400	DISPLAY ' *** ACTION INVALID: IGNORED'	33320000
00229	012500	DISPLAY ' '	33330000
00230	012600	GO TO 119-EXIT.	33340000
00231	012700*	END-IF.	33350000
00232	012800		33360000
00233	012900	IF ACTION-IS-ADD	33370000
00234	013000	PERFORM 120-ADD-PROCESS THRU 129-EXIT.	33380000
00235	013100*	END-IF.	33390000
00236	013200		33400000
00237	013300	IF ACTION-IS-CHANGE	33410000
00238	013400	PERFORM 130-CHANGE-PROCESS THRU 139-EXIT.	33420000
00239	013500*	END-IF.	33430000
00240	013600		33440000
00241	013700	IF ACTION-IS-DELETE	33450000
00242	013800	PERFORM 140-DELETE-PROCESS THRU 149-EXIT.	33460000
00243	013900*	END-IF.	33470000
00244	014000		33480000
00245	014100	119-EXIT.	33490000
00246	014200	EXIT.	33500000
00247	014300		33510000
00248	014400	120-ADD-PROCESS.	33520000
00249	014500		33530000
00250	014600	MOVE RI-IMAGE TO RRDS-RECORD.	33540000
00251	014700	MOVE RRK-LOW TO VSIO-RELATIVE-RECORD.	33550000
00252	014800	MOVE VSIO-WRITE TO VSIO-COMMAND.	33560000
00253	014900	MOVE VSIO-RELATIVE-RECORD TO COUNTER-EDIT.	33570000
00254	015000	DISPLAY COUNTER-EDIT ': ADDING: ' RRDS-RECORD.	33580000
00255	015100	CALL 'VSAMIO' USING VSIO-PARAMETER-BLOCK, RRDSF01,	33590000
00256	015200	RRDS-RECORD.	33600000
00257	015300*	END-CALL.	33610000
00258	015400		33620000
00259	015500	IF VSIO-SUCCESS	33630000
00260	015600	DISPLAY ' RECORD ADDED'	33640000
00261	015700	ELSE	33650000
00262	015800	IF VSIO-LOGIC-ERROR	33660000
00263	015900	AND VSIO-DUPLICATE-RECORD	33670000
00264	016000	MOVE VSIO-RELATIVE-RECORD TO COUNTER-EDIT	33680000
00265	016100	DISPLAY ' *** DUPLICATE RECORD ON FILE'	33690000
00266	016200	ELSE	33700000
00267	016300	DISPLAY 'VSAMIO ERROR OCCURRED DURING '	33710000
00268	016400	VSIO-COMMAND	33720000
00269	016500	EXHIBIT NAMED VSIO-RETURN-CODE,	33730000
00270	016600	EXHIBIT NAMED VSIO-VSAM-RETURN-CODE,	33740000
00271	016700	VSIO-VSAM-FUNCTION-CODE,	33750000
00272	016800	VSIO-VSAM-FEEDBACK-CODE.	33760000
00273	016900*	END-IF	33770000
00274	017000*	END-IF.	33780000
00275	017100		33790000
00276	017200	DISPLAY ' '.	33800000
00277	017300		33810000
00278	017400	129-EXIT.	33820000
00279	017500	EXIT.	33830000
00280	017600		33840000
00281	017700	130-CHANGE-PROCESS.	33850000
00282	017800		33860000

00283	017900	PERFORM 150-READ-RECORD THRU 159-EXIT.	33870000
00284	018000		33880000
00285	018100	IF VSIO-LOGIC-ERROR	33890000
00286	018200	AND VSIO-RECORD-NOT-FOUND	33900000
00287	018300	MOVE VSIO-RELATIVE-RECORD TO COUNTER-EDIT	33910000
00288	018400	DISPLAY COUNTER-EDIT ' *** RECORD NOT FOUND'	33920000
00289	018500	DISPLAY ' '	33930000
00290	018600	GO TO 139-EXIT.	33940000
00291	018700*	END-IF.	33950000
00292	018800		33960000
00293	018900	MOVE VSIO-RELATIVE-RECORD TO COUNTER-EDIT.	33970000
00294	019000	DISPLAY COUNTER-EDIT ': ' RRDS-RECORD.	33980000
00295	019100	DISPLAY ' RECORD BEFORE CHANGE'.	33990000
00296	019200		34000000
00297	019300	MOVE RI-IMAGE TO RRDS-RECORD.	34010000
00298	019400	MOVE VSIO-REWRITE TO VSIO-COMMAND.	34020000
00299	019500	CALL 'VSAMIO' USING VSIO-PARAMETER-BLOCK, RRDSF01,	34030000
00300	019600	RRDS-RECORD.	34040000
00301	019700*	END-CALL.	34050000
00302	019800		34060000
00303	019900	IF VSIO-SUCCESS	34070000
00304	020000	MOVE VSIO-RELATIVE-RECORD TO COUNTER-EDIT	34080000
00305	020100	DISPLAY COUNTER-EDIT ': ' RRDS-RECORD	34090000
00306	020200	DISPLAY ' RECORD AFTER CHANGE'	34100000
00307	020300	ELSE	34110000
00308	020400	DISPLAY 'VSAMIO ERROR OCCURRED DURING '	34120000
00309	020500	VSIO-COMMAND	34130000
00310	020600	EXHIBIT NAMED VSIO-RETURN-CODE,	34140000
00311	020700	EXHIBIT NAMED VSIO-VSAM-RETURN-CODE,	34150000
00312	020800	VSIO-VSAM-FUNCTION-CODE,	34160000
00313	020900	VSIO-VSAM-FEEDBACK-CODE	34170000
00314	021000*	END-IF	34180000
00315	021100		34190000
00316	021200	DISPLAY ' '.	34200000
00317	021300		34210000
00318	021400	139-EXIT.	34220000
00319	021500	EXIT.	34230000
00320	021600		34240000
00321	021700	140-DELETE-PROCESS.	34250000
00322	021800		34260000
00323	021900	PERFORM 150-READ-RECORD THRU 159-EXIT.	34270000
00324	022000		34280000
00325	022100	IF VSIO-LOGIC-ERROR	34290000
00326	022200	AND VSIO-RECORD-NOT-FOUND	34300000
00327	022300	MOVE VSIO-RELATIVE-RECORD TO COUNTER-EDIT	34310000
00328	022400	DISPLAY COUNTER-EDIT ' *** RECORD NOT FOUND'	34320000
00329	022500	DISPLAY ' '	34330000
00330	022600	GO TO 149-EXIT.	34340000
00331	022700*	END-IF.	34350000
00332	022800		34360000
00333	022900	MOVE VSIO-RELATIVE-RECORD TO COUNTER-EDIT.	34370000
00334	023000	DISPLAY COUNTER-EDIT ': ' RRDS-RECORD.	34380000
00335	023100	DISPLAY ' RECORD BEFORE DELETE'.	34390000
00336	023200		34400000
00337	023300	MOVE VSIO-DELETE TO VSIO-COMMAND.	34410000
00338	023400	CALL 'VSAMIO' USING VSIO-PARAMETER-BLOCK, RRDSF01,	34420000
00339	023500	RRDS-RECORD.	34430000

00340	023600*	END-CALL.	34440000
00341	023700		34450000
00342	023800	IF VSIO-SUCCESS	34460000
00343	023900	DISPLAY '                  DELETED '	34470000
00344	024000	ELSE	34480000
00345	024100	DISPLAY 'VSAMIO ERROR OCCURRED DURING '	34490000
00346	024200	VSIO-COMMAND	34500000
00347	024300	EXHIBIT NAMED VSIO-RETURN-CODE,	34510000
00348	024400	EXHIBIT NAMED VSIO-VSAM-RETURN-CODE,	34520000
00349	024500	VSIO-VSAM-FUNCTION-CODE,	34530000
00350	024600	VSIO-VSAM-FEEDBACK-CODE.	34540000
00351	024700*	END-IF.	34550000
00352	024800		34560000
00353	024900	DISPLAY ' '.	34570000
00354	025000		34580000
00355	025100	149-EXIT.	34590000
00356	025200	EXIT.	34600000
00357	025300		34610000
00358	025400	150-READ-RECORD.	34620000
00359	025500		34630000
00360	025600	MOVE RI-IMAGE TO RRDS-RECORD.	34640000
00361	025700	MOVE RRK-LOW TO VSIO-RELATIVE-RECORD.	34650000
00362	025800	MOVE VSIO-READ TO VSIO-COMMAND.	34660000
00363	025900	CALL 'VSAMIO' USING VSIO-PARAMETER-BLOCK, RRDSF01,	34670000
00364	026000	RRDS-RECORD.	34680000
00365	026100*	END-CALL.	34690000
00366	026200		34700000
00367	026300	IF NOT VSIO-SUCCESS	34710000
00368	026400	IF VSIO-LOGIC-ERROR	34720000
00369	026500	AND VSIO-RECORD-NOT-FOUND	34730000
00370	026600	NEXT SENTENCE	34740000
00371	026700	ELSE	34750000
00372	026800	DISPLAY 'VSAMIO ERROR OCCURRED DURING '	34760000
00373	026900	VSIO-COMMAND	34770000
00374	027000	EXHIBIT NAMED VSIO-RETURN-CODE,	34780000
00375	027100	EXHIBIT NAMED VSIO-VSAM-RETURN-CODE,	34790000
00376	027200	VSIO-VSAM-FUNCTION-CODE,	34800000
00377	027300	VSIO-VSAM-FEEDBACK-CODE.	34810000
00378	027400*	END-IF	34820000
00379	027500*	END-IF.	34830000
00380	027600		34840000
00381	027700	159-EXIT.	34850000
00382	027800	EXIT.	34860000
00383	027900		34870000

INTRNL NAME	LVL	SOURCE NAME	BASE	DISPL	INTRNL NAME	DEFINITION	USAGE	R	O	Q	M
DNM=1-284	FD	RECORD-IMAGES	DCB=01		DNM=1-284		QSAM				F
DNM=1-313	01	RECORD-IMAGE	BL=1	000	DNM=1-313	DS 0CL80	GROUP				
DNM=1-338	02	RI-ACTION	BL=1	000	DNM=1-338	DS 1C	DISP				
DNM=1-360	88	ACTION-IS-ADD			DNM=1-360						
DNM=1-387	88	ACTION-IS-CHANGE			DNM=1-387						
DNM=1-414	88	ACTION-IS-DELETE			DNM=1-414						
DNM=1-441	88	ACTION-IS-VALID			DNM=1-441						
DNM=1-466	02	FILLER	BL=1	001	DNM=1-466	DS 1C	DISP				
DNM=1-485	02	RI-IMAGE	BL=1	002	DNM=1-485	DS 78C	DISP				
DNM=2-000	77	END-OF-FILE-SWITCH	BL=2	000	DNM=2-000	DS 1C	DISP				
DNM=2-031	88	END-OF-FILE			DNM=2-031						
DNM=2-053	77	RECORD-COUNTER	BL=2	001	DNM=2-053	DS 8C	DISP-NM				
DNM=2-077	77	COUNTER-EDIT	BL=2	009	DNM=2-077	DS 10C	NM-EDIT				
DNM=2-114	01	VSIO-PARAMETER-VALUES	BL=2	018	DNM=2-114	DS 0CL124	GROUP				
DNM=2-148	02	VSIO-OPEN	BL=2	018	DNM=2-148	DS 8C	DISP				
DNM=2-167	02	VSIO-CLOSE	BL=2	020	DNM=2-167	DS 8C	DISP				
DNM=2-187	02	VSIO-READ	BL=2	028	DNM=2-187	DS 8C	DISP				
DNM=2-209	02	VSIO-WRITE	BL=2	030	DNM=2-209	DS 8C	DISP				
DNM=2-229	02	VSIO-REWRITE	BL=2	038	DNM=2-229	DS 8C	DISP				
DNM=2-251	02	VSIO-DELETE	BL=2	040	DNM=2-251	DS 8C	DISP				
DNM=2-272	02	VSIO-START-KEY-EQUAL	BL=2	048	DNM=2-272	DS 8C	DISP				
DNM=2-302	02	VSIO-START-KEY-NOTLESS	BL=2	050	DNM=2-302	DS 8C	DISP				
DNM=2-334	02	VSIO-KSDS	BL=2	058	DNM=2-334	DS 4C	DISP				
DNM=2-353	02	VSIO-ESDS	BL=2	05C	DNM=2-353	DS 4C	DISP				
DNM=2-372	02	VSIO-RRDS	BL=2	060	DNM=2-372	DS 4C	DISP				
DNM=2-391	02	VSIO-SEQUENTIAL	BL=2	064	DNM=2-391	DS 10C	DISP				
DNM=2-416	02	VSIO-DIRECT	BL=2	06E	DNM=2-416	DS 10C	DISP				
DNM=2-437	02	VSIO-DYNAMIC	BL=2	078	DNM=2-437	DS 10C	DISP				
DNM=2-459	02	VSIO-INPUT	BL=2	082	DNM=2-459	DS 6C	DISP				
DNM=2-479	02	VSIO-OUTPUT	BL=2	088	DNM=2-479	DS 6C	DISP				
DNM=3-000	02	VSIO-INPUT-OUTPUT	BL=2	08E	DNM=3-000	DS 6C	DISP				
DNM=3-027	01	VSIO-PARAMETER-BLOCK	BL=2	098	DNM=3-027	DS 0CL16	GROUP				
DNM=3-060	02	VSIO-COMMAND	BL=2	098	DNM=3-060	DS 8C	DISP				
DNM=3-085	02	VSIO-RETURN-CODE	BL=2	0A0	DNM=3-085	DS 2C	COMP				
DNM=3-114	88	VSIO-SUCCESS			DNM=3-114						
DNM=3-139	88	VSIO-LOGIC-ERROR			DNM=3-139						
DNM=3-168	88	VSIO-END-OF-FILE			DNM=3-168						
DNM=3-199	88	VSIO-PARAMETER-ERROR			DNM=3-199						
DNM=3-229	88	VSIO-COMMAND-UNKNOWN			DNM=3-229						
DNM=3-263	88	VSIO-DATASET-ALREADY-OPEN			DNM=3-263						
DNM=3-302	88	VSIO-DATASET-NOT-OPEN			DNM=3-302						
DNM=3-337	88	VSIO-ORGANIZATION-KEYWORD			DNM=3-337						
DNM=3-376	88	VSIO-ACCESS-KEYWORD			DNM=3-376						
DNM=3-409	88	VSIO-ACCESS-UNSUPPORTED			DNM=3-409						
DNM=3-446	88	VSIO-MODE-KEYWORD			DNM=3-446						
DNM=4-000	88	VSIO-MODE-UNSUPPORTED			DNM=4-000						
DNM=4-035	88	VSIO-DDNAME-BLANK			DNM=4-035						
DNM=4-066	02	VSIO-VSAM-RETURN-CODE	BL=2	0A2	DNM=4-066	DS 2C	COMP				
DNM=4-097	02	VSIO-VSAM-FUNCTION-CODE	BL=2	0A4	DNM=4-097	DS 2C	COMP				
DNM=4-130	02	VSIO-VSAM-FEEDBACK-CODE	BL=2	0A6	DNM=4-130	DS 2C	COMP				
DNM=4-166	88	VSIO-DUPLICATE-RECORD			DNM=4-166						
DNM=4-200	88	VSIO-SEQUENCE-ERROR			DNM=4-200						
DNM=4-233	88	VSIO-RECORD-NOT-FOUND			DNM=4-233						
DNM=4-268	88	VSIO-NO-MORE-SPACE			DNM=4-268						
DNM=4-300	88	VSIO-READ-WITHOUT-START			DNM=4-300						

INTRNL NAME	LVL	SOURCE NAME	BASE	DISPL	INTRNL NAME	DEFINITION	USAGE	R	O	Q	M
DNM=4-337	01	RRDSF01	BL=2	0A8	DNM=4-337	DS 0CL196	GROUP				
DNM=4-357	02	VSIO-DDNAME	BL=2	0A8	DNM=4-357	DS 8C	DISP				
DNM=4-378	02	VSIO-ORGANIZATION	BL=2	0B0	DNM=4-378	DS 4C	DISP				
DNM=4-405	02	VSIO-ACCESS	BL=2	0B4	DNM=4-405	DS 10C	DISP				
DNM=4-426	02	VSIO-MODE	BL=2	0BE	DNM=4-426	DS 6C	DISP				
DNM=4-448	02	VSIO-RECORD-LENGTH	BL=2	0C4	DNM=4-448	DS 2C	COMP				
DNM=4-476	02	VSIO-KEY-ARGUMENT	BL=2	0C6	DNM=4-476	DS 0CL4	GROUP				
DNM=5-000	03	VSIO-KEY-POSITION	BL=2	0C6	DNM=5-000	DS 2C	COMP				
DNM=5-030	03	VSIO-KEY-LENGTH	BL=2	0C8	DNM=5-030	DS 2C	COMP				
DNM=5-055	02	VSIO-RELATIVE-RECORD	BL=2	0C6	DNM=5-055	DS 4C	COMP	R			
DNM=5-085	02	FILLER	BL=2	0CA	DNM=5-085	DS 1C	DISP				
DNM=5-107	88	VSIO-FILE-OPEN			DNM=5-107						
DNM=5-132	88	VSIO-FILE-CLOSED			DNM=5-132						
DNM=5-159	02	FILLER	BL=2	0CB	DNM=5-159	DS 161C	DISP				
DNM=5-178	01	RRDS-RECORD	BL=2	170	DNM=5-178	DS 0CL80	GROUP				
DNM=5-202	02	RR-KEY	BL=2	170	DNM=5-202	DS 0CL10	GROUP				
DNM=5-221	03	RRK-HIGH	BL=2	170	DNM=5-221	DS 7C	DISP-NM				
DNM=5-239	03	RRK-LOW	BL=2	177	DNM=5-239	DS 3C	DISP-NM				
DNM=5-256	02	FILLER	BL=2	17A	DNM=5-256	DS 70C	DISP				

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*STATISTICS*      SOURCE RECORDS =   383      DATA DIVISION STATEMENTS =    76      PROCEDURE DIVISION STATEMENTS =   112
*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
```

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
RRDSRAND	00	13DC								
ILBODSP0*	13E0	700								
ILBOSTP0*	1AE0	35								
			ILBOSTP1	1AF6						
VSAMIO *	1B18	D0A								

LOCATION	REFERS TO	SYMBOL	IN CONTROL SECTION	LOCATION	REFERS TO	SYMBOL	IN CONTROL SECTION
540		ILBOSTP0	ILBOSTP0	544		ILBODSP0	ILBODSP0
548		VSAMIO	VSAMIO	54C		ILBOSTP1	ILBOSTP0

ENTRY ADDRESS 00

TOTAL LENGTH 2828

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

AUTHORIZATION CODE IS 0.

RRDSRAND: READ/REWRITE RRDS DIRECT

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501: ADDING: 9532957501 JOHN J GLASSMAN      7663 SEASIDE AVENUE      NEWPORT BEACH      CA  
RECORD ADDED

502: ADDING: 1964475502 CAITLIN V BROCKTON      9540 PARKER COURT      KANSAS CITY      MO  
RECORD ADDED

503: ADDING: 9441505503 SUE P MOORE      640 JACKSON STREET      LOS ANGELES      CA  
RECORD ADDED

1: ADDING: 0045557001 LARRY E BENSON      4778 DESERT STREET      LA HABRA      CA  
\*\*\* DUPLICATE RECORD ON FILE

505 \*\*\* RECORD NOT FOUND

28: 9966129028 JOYCE R NORTON      907 BRANDYWINE CIRCLE      SAN ANTONIO      TX  
RECORD BEFORE CHANGE

28: 9966129028 ZELDA H LOCKETT      314 ROSA LINDA COURT      MONTGOMERY      AL  
RECORD AFTER CHANGE

503: 9441505503 SUE P MOORE      640 JACKSON STREET      LOS ANGELES      CA  
RECORD BEFORE CHANGE

503: 9441505503 CLARA B ALEXANDER      8427 PECAN VALLEY STREET      BOISE      ID  
RECORD AFTER CHANGE

508 \*\*\* RECORD NOT FOUND

66: 3129003066 BILL W BECK      1798 SEABREEZE AVENUE      BOSTON      MA  
RECORD BEFORE DELETE  
DELETED