

# **CARTS**<sup>TM</sup>

## Reports Manual

Tape Stacker  
Mount Eliminator  
Media Conversion  
Disk Stacker

Release 3.6.0

**UNICOM**  
**SYSTEMS, INC.**

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# About This Manual

The CARTS family consists of a common component, CARTS-TS, and optional components: CARTS-ME, CARTS-DS, and CARTS-MC. Each component generates a series of characteristic reports. This manual gives an example of each report and describes each report field.

Separate versions of CARTS work with tape management systems provided by the following vendors:

Computer Associates	CA-1/TMS and CA-Dynam/TLMS
International Business Machines	DFSMSrmm

This manual describes messages produced by all versions of CARTS that work with these tape management systems. Refer to [“CARTS Documentation” on page vi](#) for a listing of manuals that are part of the CARTS library for each tape management system.

## Audience

This manual is intended for system administrators and operators responsible for managing tape storage at their site. Readers are expected to understand MVS and tape management concepts to interpret the CARTS performance data shown in each report.

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## CARTS Documentation

Each version of CARTS that works with a specific tape management system has its own library of product manuals. The manuals for each version of CARTS are listed below. The top three manuals in each list contain information about running CARTS with that specific tape management system. This manual and the *Messages and Codes* manual contain information that pertains to all versions of CARTS.

### CARTS For CA-Dynam/TLMS

- *CARTS For CA-Dynam/TLMS Installation Guide*
- *CARTS For CA-Dynam/TLMS User Guide*
- *CARTS For CA-Dynam/TLMS Release Notes*
- *CARTS Messages and Codes*
- *CARTS Reports Manual*

### CARTS For CA-1/TMS

- *CARTS For CA-1/TMS Installation Guide*
- *CARTS For CA-1/TMS User Guide*
- *CARTS For CA-1/TMS Release Notes*
- *CARTS Messages and Codes*
- *CARTS Reports Manual*

### CARTS For DFSMSrmm

- *CARTS For DFSMSrmm Installation Guide*
- *CARTS For DFSMSrmm User Guide*
- *CARTS For DFSMSrmm Release Notes*
- *CARTS Messages and Codes*
- *CARTS Reports Manual*

An online version of each manual is distributed on a compact disk (CD) as part of the CARTS Release 3.6.0 product package. These manuals can be viewed with Acrobat Reader with Search, which is a free viewing tool available from Adobe Corporation. Included on the CARTS documentation CD is a file to install Acrobat Reader on PCs running a 32-bit version of Windows. Read the CD's readme.1st file for instructions to install Acrobat Reader.

The latest version of Acrobat Reader with Search can be downloaded from the Adobe Corporation web site (<http://www.adobe.com/acrobat>).







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# CARTS Reports

CARTS-TS and other optional components of the CARTS product family produce a variety of reports when stacking or restacking jobs are submitted. This manual provides an example of each report and describes each report field.

CARTS produces the reports listed in the following table.

<b>Report Number</b>	<b>Report Title</b>	<b>Reference</b>
	CARTS-TS Analysis Report	<a href="#">page 3</a>
CARTSRPTIVP	CARTS IVP Report	<a href="#">page 5</a>
	CARTS-TS Summary Report	<a href="#">page 7</a>
CARTSC12	Data Sets Dropped From Stacking	<a href="#">page 9</a>
CARTSC26	Data Sets Dropped From Stacking	<a href="#">page 11</a>
CARTSC27	Data Sets Excluded From Stacking	<a href="#">page 13</a>
CARTSRPT00	Off Site Listing	<a href="#">page 16</a>
CARTSRPT01	Current Scratch Volumes	<a href="#">page 19</a>
CARTSRPT02	Control File Report	<a href="#">page 20</a>
CARTSRPT03	Cataloged/Uncataloged Datasets	<a href="#">page 23</a>
CARTSRPT04	End-of-Job Record Totals	<a href="#">page 25</a>
CARTSRPT05	Stacking for Specific Expiration Dates	<a href="#">page 27</a>
CARTSRPT06	Stacking for Datasets Under Catalog and Cycle Control	<a href="#">page 27</a>
CARTSRPT07	Stacking for Permanent Expiration Dates	<a href="#">page 27</a>
CARTSRPT08	Stacking Jobs— Specific Expiration Dates	<a href="#">page 31</a>
CARTSRPT09	Stacking Jobs— Datasets Under Catalog and Cycle Control	<a href="#">page 31</a>
CARTSRPT10	Stacking Jobs— Permanent Expiration Dates	<a href="#">page 31</a>
CARTSRPT11	Pull List	<a href="#">page 34</a>
CARTSRPT12	TMS DSNB Summary Recap	<a href="#">page 36</a>
CARTSRPT13	Restacker List of Files to be Restacked	<a href="#">page 37</a>
CARTSRPT14	Rejection Reason Code Report	<a href="#">page 39</a>
CARTSRPT15	Mount Eliminator Dataset Disposition	<a href="#">page 41</a>
CARTSRPT16	Mount Eliminator Block Creation Summary	<a href="#">page 44</a>
CARTSRPT17	Mount Eliminator Block File Creation Detail	<a href="#">page 45</a>
CARTSRPT18	Mount Eliminator Block File Report	<a href="#">page 48</a>
CARTSRPT19	Dataset Totals	<a href="#">page 49</a>
CARTSRPT21	Multi Volume Dataset Report	<a href="#">page 50</a>
CARTSRPT22	Multi Dataset Volume Report	<a href="#">page 53</a>
CARTSRPT23	File Stacking Distribution Report	<a href="#">page 55</a>
CARTSRPT24	Partially Expired Volumes Report	<a href="#">page 57</a>

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CARTSRPT25	Cycle Control Reset Summary	<a href="#">page 59</a>
CARTSRPT26	Cycle Control Expiration	<a href="#">page 60</a>
CARTSRPT50	Disk Stacker Datasets Not Selected Report	<a href="#">page 63</a>
CARTSRPT99	Rejection Reason Report	<a href="#">page 65</a>
CARTSRPTL1	CARTS Input Control File Statements	<a href="#">page 67</a>
CARTSRPTL2	CARTS Control File Report	<a href="#">page 67</a>
CARTSRPTS1	CARTS-TS Reset Volume Expiration Report	<a href="#">page 70</a>
CARTSU90	SMF Reduction and Extract Report	<a href="#">page 73</a>
CARTSU91	Dependency Record Generation Report	<a href="#">page 75</a>
CARTSU92	Dependency Record Filter Report	<a href="#">page 78</a>



# CARTS-TS Analysis Report

The CARTS-TS Analysis Report summarizes the potential benefits of stacking the volumes of a tape library. The Analysis report is produced by the ANALYZE job that analyzes the master catalog of each tape management system.

The Analysis report summarizes potential stacking for all

- cataloged and uncataloged datasets
- cartridges, both in and out of tape robots

If there are more than 1,000 reels in the library, ANALYZE generates a second Analysis report that summarizes stacking for both cataloged and uncataloged datasets stored on tape reels.

The report shows a projected stacking summary for volumes with the following retention characteristics:

- volumes with specific expiration dates
- volumes that are under catalog or cycle control
- volumes with permanent expiration

Totals for the preceding categories are shown in the section entitled “Summary of Entire Library.” The projected volume totals represent estimates prior to Dependency file checking. The number of volumes that are stacked may be less because some volumes will be excluded due to Dependency file conflicts.

The ANALYZE report also includes a financial summary. This summary includes projected savings for cartridges or reels returned to your scratch pool and the value of freed slots within a robot. These savings result from deferred purchases of new tape and tape robots because your existing tape inventory and robots are used more efficiently with CARTS stacking.

## Report Fields.

Item No.	Field Name and Description
1	<p><b>VOLUMES ELIGIBLE FOR STACKING</b></p> <p>The number of eligible volumes with this retention characteristic that can be stacked. The report includes separate sections that shows the number of eligible volumes with specific expiration dates, volumes under catalog or cycle control, and volumes with permanent expiration.</p>
2	<p><b>FREED VOLUMES RETURNED TO SCRATCH</b></p> <p>The estimated number of volumes that can be returned to the scratch pool after datasets have been stacked.</p>
3	<p><b>CARTS-TS STACKING EFFICIENCY</b></p> <p>Stacking efficiency expressed as a percentage of the number of stacked volumes from the total number of eligible volumes.</p>
4	<p><b>FREED CARTRIDGE/REEL VOLUMES</b></p> <p>Estimated dollar savings by returning tape volumes to the scratch pool.</p>

<b>5</b>	<p><b>FREED ROBOTIC SLOTS</b></p> <p>Two report fields that show the number of freed robotic slots because of stacking and estimated dollar savings. Both fields appear in the Analysis report only if a tape robot is part of the tape storage system analyzed by CARTS.</p>
----------	---

**Sample Analysis Report**

```

ANALYZE          CARTS-TS RELEASE 3.6.0 ANALYSIS          PAGE 1
11/13/97                                     12:54
  IDRC/ICRC/IERC IS CURRENTLY INSTALLED
-----
SPECIFIC EXPIRATION DATES          DETAILED REPORT = CARTSRPT05
  ① 2240 VOLUMES ELIGIBLE FOR STACKING
* ② 1920 FREED VOLUMES RETURNED TO SCRATCH
  ③ 86% CARTS-TS STACKING EFFICIENCY
-----
CATALOG AND CYCLE CONTROL          DETAILED REPORT = CARTSRPT06
  ① 150 VOLUMES ELIGIBLE FOR STACKING
* ② 110 FREED VOLUMES RETURNED TO SCRATCH
  ③ 73% CARTS-TS STACKING EFFICIENCY
-----
PERMANENT EXPIRATION DATES        DETAILED REPORT = CARTSRPT07
  ① 16 VOLUMES ELIGIBLE FOR STACKING
* ② 4 FREED VOLUMES RETURNED TO SCRATCH
  ③ 25% CARTS-TS STACKING EFFICIENCY
-----
SUMMARY OF ENTIRE LIBRARY
  ① 2406 VOLUMES ELIGIBLE FOR STACKING
* ② 2034 FREED VOLUMES RETURNED TO SCRATCH
  ⑤ 43 FREED ROBOTIC SLOTS
  ③ 84% CARTS-TS STACKING EFFICIENCY
-----
COST SAVINGS ($)
  ④ $9.955.00 FREED VOLUMES          (@ $5.00 EACH)
  ⑤ $2.150.00 FREED ROBOTIC SLOTS    (@ $50.00 EACH)
-----
      $12.105.00 TOTAL SAVINGS

```



## **CARTSRPTIVP CARTS IVP Report**

A CARTS Installation Verification Procedure (IVP) report is produced by each job that installs a CARTS component. Each component has its own IVP report. Refer to the Installation Guides of each CARTS product library for a description of the component installation jobs.

The first page of an IVP report lists installation parameters, the names of the CARTS component datasets, and the volumes that these datasets were installed. After the CARTS installation job is complete, you should use the IVP report to verify that all of the datasets specified in the installation job were created. You should retain a copy of the first page of each IVP report for future reference.

**Note:** When CARTS is installed in trial mode, the CARTS IVP report shows the installation and trial expiration dates. The expiration date changes when a CARTS IVP report is generated again after a permanent password has been applied.

The remainder of the IVP report lists the jobs, CLISTs, and procedures that were customized by the installation job.

# Sample IVP Report

PAGE 1  
TIME 13:12

CARTS-TS INSTALLATION AND AUTO CUSTOMIZATION  
CARTS-TS IS BEING INSTALLED AT ABCD COMPANY  
IRVINE CALIFORNIA

PRODUCT STATUS IS TRIAL  
WILL EXPIRE ON 1997/255  
THE TAPE MANAGEMENT SYSTEM INSTALLED IS TMS  
NO ROBOTICS INSTALLED

CARTSRPTIVP  
DATE 07/05/97

VARIABLE DESCRIPTION	DATASET NAME OR VALUE	VOLUME SERIAL	CREATION DATE	DSORG	RECORD FORMAT	RECORD LENGTH	BLOCK SIZE
APF LOADLIB	ABCD.CARTS360.APFLOAD	MVSD01	1997/186	P0	U	80	19069
CLIST LIBRARY	ABCD.CARTS360.ABCD.CLISTL	MVSD02	1997/186	P0	FB	80	3120
DEPENDENCY DSN	ABCD.CARTS360.DEPEND	MVSW02			VSAM		
DEPENDENCY VOLSER	MVSW02						
HISTORY DSN	ABCD.CARTS360.HISTORY	MVSW02			VSAM		
HISTORY VOLSER	MVSW02						
CONTROL FILE, INITIAL	XYZI.CARTS35.DEFAULT.TS.CONTROL	MVSD02	1997/186	PS	VB	5000	8000
IVP DSN	ABCD.CARTS360.INSTVER	MVSD02	1997/186	PS	FB	80	3120
JCL LIBRARY	ABCD.CARTS360.JCLLIB	MVSD02	1997/186	P0	FB	80	3120
LOAD LIBRARY	XYZI.CARTS360.LOADLIB	MVSD02	1997/186	P0	U		23200
OBJECT LIBRARY	ABCD.CARTS360.OBJLIB	MVSW04	1997/186	P0	FB	80	3120
PANEL LIBRARY	ABCD.CARTS360.ISPPLIB	MVSD02	1997/186	P0	FB	80	8000
PROCEDURE LIBRARY	ABCD.CARTS360.PROCLIB	MVSD02	1997/186	P0	FB	80	3120
SKELETON LIBRARY	ABCD.CARTS360.ISPSLIB	MVSD02	1997/186	P0	FB	80	8000
TAILOR FILE	ABCD.CARTS360.ISPTLIB	MVSD02	1997/186	PS	FB	80	3120
DEPENDENCY BACKUP DSN	ABCD.CARTS360.DEPBKUP	MVSM02	1990/352	P0	VB	80	19069
EXISTING CLIST LIB	ABCD.CLIST						
GRAU VSAM DATABASE	NULLFILE						
PERM MOUNTED VOLSER	MVSW02						
ROBOTIC VENDORS LOADLIB	XYZI.CARTS360.LOADLIB	MVSD01	1992/184	P0	U		19069
SMF DAILY GDG DSN	ABCD.CARTS360.SMFDALY						
SYSOUT CLASS	*						
TMS TMC	XYZI.CARTS360.TMS50.TMC	MVSW02	1992/103	PS	FB	340	32640
TMS VAULT MASTER DSN	XYZI.CARTS50.TMS.VAULT	MVSD02	1992/278	PS	FB	80	3120
TSO USER ID	ABCD						
DASD WORK	UNIT=SYSDA						
SORT WORK	UNIT=SYSDA						

## CARTS-TS Summary Report

The CARTS-TS Summary Report shows the projected results of stacking selected volumes of your site's tape library. It is similar to the Analysis Report, but does not contain a financial section that shows projected savings resulting from stacking.

The Summary report is produced when a CARTS-TS stacking job is submitted (either from CARTS ISPF screens or batch). Depending on the volumes selected by the Control file used for the stacking job, the Summary report shows the effect of stacking on the following tape categories:

- cataloged or uncataloged datasets
- tapes in or out of your tape robot units
- reel or cartridge tapes

The report includes separate sections that show projected stacking efficiency for volumes containing datasets with the following retention characteristics:

- Volumes with specific expiration dates
- Volumes under catalog or cycle control
- Volumes with permanent expiration

The CARTSRPT05, CARTSRPT06, and CARTSRPT07 reports show the details of stacking volumes with each of these retention characteristics.

The Summary report also includes a section that summarizes overall stacking efficiency for all of the volumes selected by this stacking job.

### Report Fields.

Item No.	Field Name and Description
1	<b>VOLUMES ELIGIBLE FOR STACKING</b> The number of eligible volumes in this category that can be stacked. (See above for categories and restrictions.)
2	<b>FREED VOLUMES RETURNED TO SCRATCH</b> The projected number of volumes returned to the scratch pool after stacking.
3	<b>CARTS-TS STACKING EFFICIENCY</b> The stacking efficiency percentage. Stacking efficiency is calculated by dividing the projected number of volumes returned to the scratch pool by the total number of volumes eligible for stacking.





## CARTSC12 Data Sets Dropped From Stacking

The Data Sets Dropped From Stacking report is generated by Media Conversion or Restacker. The report lists previously stacked datasets that were excluded from a stacking or restacking job. The report includes a Totals section that summarizes the number of datasets excluded and included for stacking by their catalog status.

### Report Fields.

Item No.	Field Name and Description
1	<b>VOLSER</b> Tape volume serial that contains the dataset that has been excluded from stacking.
2	<b>FILE</b> File number of the excluded dataset on the volume listed on the VOLSER field.
3	<b>DATA SET NAME</b> Name of the tape dataset that has been excluded from stacking.
4	<b>REASON</b> Description why the tape dataset has been excluded from stacking. Datasets are excluded from stacking if their size would use most of the available tape footage, preventing other datasets from being stacked on the same volume. Datasets are also excluded if their expiration date has been corrupted and cannot be read.
5	<b>CATALOGED FILES SELECTED</b> Number of cataloged datasets selected for stacking.
6	<b>UNCATALOGED FILES SELECTED</b> Number of uncataloged datasets selected for stacking.
7	<b>EXCEPTION FILES</b> Number of datasets excluded from stacking because of an invalid expiration date.
8	<b>FILES DROPPED (NOT STACKED)</b> Number of datasets excluded from stacking
9	<b>TOTAL FILES SELECTED</b> Total number of cataloged and uncataloged datasets selected for stacking.

# Sample Data Sets Dropped From Stacking Report

CARTSC12 VOLUME/FILE ANALYSIS -- DATA SETS DROPPED FROM STACKING

①	②	③	④	REASON
VOLSER	FILE	DATA SET NAME		
FDR777	0017	FDRABR.V5CKPT2.C1000817		DATA SET TOO LARGE
FDR777	0018	FDRABR.V5SMP11.C1000202		DATA SET TOO LARGE
FDR777	0019	FDRABR.V5SPL01.C1000100		DATA SET TOO LARGE
FDR777	0020	FDRABR.VML1003.C1000910		ENTIRE VOLUME DROPPED - ONE OR MORE INELIGIBLE FILES
FDR777	0003	FDRABR.VML1002.C1000910		ENTIRE VOLUME DROPPED - ONE OR MORE INELIGIBLE FILES
FDR777	0004	FDRABR.VYS001.C1000910		ENTIRE VOLUME DROPPED - ONE OR MORE INELIGIBLE FILES
FDR777	0005	FDRABR.VPRDCT1.C1000831		ENTIRE VOLUME DROPPED - ONE OR MORE INELIGIBLE FILES
FDR777	0006	FDRABR.VVWSW12.C1000825		ENTIRE VOLUME DROPPED - ONE OR MORE INELIGIBLE FILES
FDR777	0007	FDRABR.VUISER04.C1000816		ENTIRE VOLUME DROPPED - ONE OR MORE INELIGIBLE FILES
FDR777	0008	FDRABR.VMWSK10.C1001010		ENTIRE VOLUME DROPPED - ONE OR MORE INELIGIBLE FILES
FDR777	0009	FDRABR.VMWS010.C1000815		ENTIRE VOLUME DROPPED - ONE OR MORE INELIGIBLE FILES
FDR777	0010	FDRABR.V00B201.C1000907		ENTIRE VOLUME DROPPED - ONE OR MORE INELIGIBLE FILES
FDR777	0011	FDRABR.VSMS007.C1000910		ENTIRE VOLUME DROPPED - ONE OR MORE INELIGIBLE FILES
FDR777	0012	FDRABR.VSMS006.C1000910		ENTIRE VOLUME DROPPED - ONE OR MORE INELIGIBLE FILES
FDR777	0013	FDRABR.VSMS005.C1000910		ENTIRE VOLUME DROPPED - ONE OR MORE INELIGIBLE FILES
FDR777	0014	FDRABR.VSMS004.C1000910		ENTIRE VOLUME DROPPED - ONE OR MORE INELIGIBLE FILES
FDR777	0015	FDRABR.VSYS003.C1000106		ENTIRE VOLUME DROPPED - ONE OR MORE INELIGIBLE FILES

*****	TOTALS	*****
⑤	CATALOGED FILES SELECTED	234
⑥	UNCATALOGED FILES SELECTED	38
⑦	EXCEPTION FILES	
⑧	FILES DROPPED (NOT STACKED)	578
⑨	TOTAL FILES SELECTED	272



## CARTSC26 Data Sets Dropped From Stacking

The Data Sets Excluded From Stacking report is generated by Media Conversion or Restacker. This report lists datasets that have been excluded from stacking or restacking jobs. Both Media Conversion and Restacker can process multi-dataset volumes.

Media Conversion and Restacker exclude any dataset that cannot be combined with other datasets on a stacked volume. Usually, datasets are excluded because of their size. Extremely large datasets use most of the available tape footage. No other datasets included in the current stacking or restacking job can be combined with the large dataset on a stacked volume. There is no benefit from stacking if the candidate dataset would be stacked as the only dataset on the stacked volume.

### Report Fields.

Item No.	Field Name and Description
1	<b>VOLSER</b> Tape volume serial that contains the dataset that has been excluded from stacking.
2	<b>FILE</b> File number of the excluded dataset on the volume listed on the VOLSER field.
3	<b>DATA SET NAME</b> Name of the tape dataset that has been excluded from stacking.
4	<b>REASON</b> Description why this dataset was excluded from stacking. Typically, this report lists datasets that cannot be combined with others to create a stacked volume.

---

## Sample Data Sets Dropped From Stacking Report

CARTSC26 VOLUME/FILE ANALYSIS -- DATA SETS DROPPED FROM STACKING      DATE 01/16/98    TIME  
13:50    PAGE 1

①	②	③	④	REASON
VOLSER	FILE	DATA SET NAME		
FDR510	0012	FDRABR.VMWSM11.C1000805		ONLY 1 VOLUME IN STACKSET (NO BENEFIT FROM STACKING)
FDR510	0013	FDRABR.VSMS008.C1000216		ONLY 1 VOLUME IN STACKSET (NO BENEFIT FROM STACKING)
FDR510	0014	FDRABR.VSMS006.C1000216		ONLY 1 VOLUME IN STACKSET (NO BENEFIT FROM STACKING)



## CARTSC27 Data Sets Excluded From Stacking

The Dependency file prevents CARTS-TS from stacking invalid combinations of datasets on tape. The Data Sets Excluded From Stacking report lists those tape datasets excluded from stacking because of Dependency file conflicts.

There are two types of Dependency file conflicts that exclude datasets from being stacked:

- MOD file

MOD files must be stacked as the last dataset on a volume to ensure that additional tape footage is available for anticipated growth in the size of the dataset. Only one MOD dataset can be stacked per volume. If there are more MOD datasets than volumes scheduled to be stacked, the excess MOD files remain unstacked.

- Dataset Conflict

CARTS-TS uses information from the Dependency file to ensure that datasets needed by the same job or job step are stacked on different volumes. Stacking job-related datasets on different volumes prevents delays in job execution because of tape winding. If there are more job-related datasets than volumes scheduled to be stacked, the excess datasets remain unstacked.

### Report Fields.

Item No.	Field Name and Description
1	<b>VOLSER</b> Tape volume serial that contains the dataset that has been excluded from stacking.
2	<b>FILE</b> File number of the excluded dataset on the volume listed on the VOLSER field.
3	<b>DATA SET NAME</b> Name of the tape dataset that has been excluded from stacking.
4	<b>REASON</b> Description of the Dependency file conflict that prevents this dataset from being stacked. <ol style="list-style-type: none"> <li>1. MOD File (Only 1 MOD file can be stacked on a volume).</li> <li>2. CONFLICTS (Name of another dataset that uses the same job or job step as the excluded dataset).</li> </ol>
5	<b>TOTAL RECORDS READ</b> Number of Dependency file records read by CARTS-TS or Media Conversion in this stacking job.

---

<b>6</b>	<b>FILES DROPPED DUE TO DISP=MOD</b> Number of tape data sets excluded from stacking because of MOD file conflicts.
<b>7</b>	<b>FILES DROPPED DUE TO CONFLICT</b> Number of tape datasets excluded from stacking because of job-related conflicts.
<b>8</b>	<b>SINGLE-FILE STACKSETS DROPPED</b> Number of tape datasets excluded from stacking because the contents of the stacked volume would consist of a single-file. There would be no benefit from stacking because the single-file tape is simply copied to another volume.
<b>9</b>	<b>TOTAL FILES DROPPED (NOT STACKED)</b> Total number of datasets excluded from stacking (Sum of report items 6, 7, and 8).
<b>10</b>	<b>TOTAL RECORDS WRITTEN</b> Total number of records written to the Dependency file by this job.



### Sample Data Sets Excluded From Stacking Report

```

CARTSC27 DEPENDENCY PROCESSING  -- DATA SETS EXCLUDED FROM STACKING

  ①  ②  ③  ④
VOLSER FILE DATA SET NAME REASON
FDR644 0020 FDRABR.VINF010.C1000914 MOD FILE (ONLY 1 IS ALLOWED PER TAPE)
FDR639 0010 FDRABR.VMV SW11.C1000902 CONFLICTS WITH FDRABR.VML1003.C1000902
FDR644 0005 FDRABR.VPRDCT2.C1001205 MOD FILE (ONLY 1 IS ALLOWED PER TAPE)
FDR639 0002 FDRABR.VSMS010.C1000902 CONFLICTS WITH FDRABR.VML1003.C1000902

***** TOTALS *****
⑤ TOTAL RECORDS READ 229
⑥ FILES DROPPED DUE TO DISP=MOD 2
⑦ FILES DROPPED DUE TO CONFLICT 3
⑧ SINGLE-FILE STACKSETS DROPPED 0
⑨ TOTAL FILES DROPPED (NOT STACKED) 5
⑩ TOTAL RECORDS WRITTEN 225
    
```



---

## CARTSRPT00—Off Site Listing

The Off Site Listing report lists TMS-controlled volumes located at sites other than the local data center library. These volumes were included within the range of volumes selected as stacking candidates by the Control file used for the stacking job. Other off-site volumes do not appear in the Off Site Listing report if they were not selected as stacking candidates by the Control file.

Offsite volumes are not stacked. If you stack vaulted datasets, the vault codes you stack will not be listed in this report.

Uses for this report include:

- locating specific datasets or volumes
- analyzing inventory of volumes located at your off site vaults

### Report Fields

Item No.	Field Name and Description
1	<b>DATASET NAME</b> The name of File 1 on the outcoded tape.
2	<b>VOLSER</b> The volume serial number of the outcoded tape.
3	<b>EXPIRATION</b> The dataset's expiration date. Values are CATALOG, PERMANENT, CYCLE/ccc, LDATE/ddd (for logical date or days retention), or a specific expiration date, in Julian format.
4	<b>CREATE DATE</b> The Julian date when the dataset was originally created.
5	<b>LAST USE DATE</b> The Julian date when the dataset was last accessed.
6	<b>OUT CODE</b> The tape location code.
7	<b>OUT DATE</b> The date the tape was sent offsite.





---

Item No.	Field Name and Description
8	<b>COMMENTS</b> If the tape's out code is blanks, this field will say BLANK OUT CODE.
9	<b>OFF SITE VOLUMES</b> The total number of outcoded volumes that were bypassed from stacking.
10	<b>OFF SITE VOLUMES/BLANK OUTCODES</b> The number of volumes outcoded to blanks. Frequently when a tape returns to the data center, operations staff blanks out the outcode instead of replacing it with zeros. However TMS considers the blanks another outcode. To find out which volumes have a blank outcode, scan the OUT CODE column.

# Sample Off-Site Listing Report

PAGE 1  
TIME 17:49

## OFFSITE LISTING

CARTSRPT00  
DATE 11/21/97

① DATASET NAME	② VOLSER	③ EXPIRATION	④ CREATE DATE	⑤ LAST USE DATE	⑥ OUT CODE	⑦ OUT DATE	⑧ COMMENTS
MEF.UXMT.GLI.CUM.AUDIT.BKUP.G0008V00	050012	CYCLE/093	1997/093	1997/093	VLTA	1997/093	
MEF.EFS.CSMMASTER.ARCHIVE.G0012V00	050381	1996/311	1993/312	1993/312	VLTA	1993/312	
MEF.CSPROD.CSS.PERIOD.RECADJ.G0010V00	050539	PERMANENT	1992/194	1992/194	VLTA	1992/194	
UXMT.HR.PLV300.PWV010PE.QR21989	050580	CATALOG	1991/226	1991/226	PAY	1991/226R	
MEF.EFS.CSMMASTER.ARCHIVE.G0010V00	050622	1996/255	1993/256	1993/256	VLTA	1993/256	
MEF.EFS.CSMMASTER.ARCHIVE.G0002V00	051057	1996/039	1993/039	1993/039	VLTA	1993/039	
MEF.EFS.CSMMASTER.ARCHIVE.G0008V00	051224	1996/200	1993/200	1993/200	VLTA	1993/200	
MEF.EFS.CSMMASTER.ARCHIVE.G0006V00	051249	1996/144	1993/144	1993/144	VLTA	1993/144	
UXMT.HR.PLV300.PWV010PE.QR31989	052140	CATALOG	1993/320	1993/320	PAYR	1993/320	
MEF.EFS.CSMMASTER.ARCHIVE.G0005V00	052428	1996/116	1993/116	1993/116	VLTA	1993/116	
UXMT.HR.PLV300.PWV010PE.QR11989	052812	CATALOG	1993/165	1993/165	PAYR	1993/165	
MEF.CSPROD.CSS.PERIOD.RECADJ.G0009V00	052867	PERMANENT	1992/166	1992/166	VLTA	1992/166	
MEF.EFS.LANETXNS.PERIOD.BACKUP.G0003V00	052963	1995/313	1991/313	1991/313	VLTA	1991/313	
MEF.CSPROD.CSS.PERIOD.RECADJ.G0011V00	053294	PERMANENT	1993/222	1993/222	VLTA	1993/222	
MEF.CSPROD.CSS.PERIOD.RECADJ.G0013V00	053831	PERMANENT	1993/278	1993/278	VLTA	1993/278	
MEF.CSPROD.CSS.PERIOD.RECADJ.G0012V00	054523	PERMANENT	1993/251	1993/251	VLTA	1993/251	
MEF.CSPROD.CSS.PERIOD.RECADJ.G0015V00	055202	PERMANENT	1993/334	1993/334	VLTA	1993/334	
MEF.CSPROD.CSS.PERIOD.RECADJ.G0016V00	055203	PERMANENT	1997/004	1997/004	VLTA	1997/004	
SOS.UXMT.APM.MAST.APVEND.G1122V00	056627	CATALOG	1993/345	1993/345	VMS	1993/345S	
MEF.EFS.CSMMASTER.ARCHIVE.G0007V00	056846	1996/172	1993/172	1993/172	VLTA	1993/172	
MEF.UXMT.GLICUM.AUDIT.YR8KUP.G0001V00	056882	1996/047	1993/182	1993/182	VLTA	1993/182	
MEF.EFS.CSMMASTER.ARCHIVE.G0009V00	057709	1996/227	1993/228	1993/228	VLTA	1993/228	
SOS.UXMT.MSA.COPY2.EMPMST2.G0112V00	057872	CATALOG	1997/080	1997/080	VLTA	1997/080	
MEF.EFS.CSMMASTER.ARCHIVE.G0001V00	059703	1996/038	1993/038	1993/038	VLTA	1993/038	
SOS.UXMT.APM.MAST.APVEND.G1123V00	062044	CATALOG	1993/346	1993/346	VLTA	1993/346	

⑨ 436 OFFSITE VOLUMES  
⑩ 23 OFFSITE VOLUMES/BLANK OUTCODES

# CARTSRPT01—Current Scratches

The Current Scratches report lists the volsers of current scratch volumes before stacking. The report lists volumes in ascending volser order. Scratch volumes appear in the report only if they are within the volser ranges and media type (cartridge or reel) specified in the Control file used to submit the stacking or restacking job.

## Sample Current Scratches Report

CARTSRPT01 DATE 11/21/97	CURRENT SCRATCH VOLUMES	PAGE 1 TIME 17:49
050032	050049	050173
050662	050756	050773
051688	051710	051726
052237	052255	052257
053062	053113	053147
053898	053951	054045
054850	054890	054916
055755	055776	055829
056862	056926	056946
057810	058053	058153
059109	059135	059145
059912	059948	059961
060494	060535	060536
060879	060882	060885
061075	061079	061091
061387	061404	061421
061836	061849	061853
062190	062201	062321
062825	062836	062861
063121	063125	063129
063250	063257	063262
063736	063738	063747
064064	064080	064100
050224	050236	050252
050828	050861	050875
051755	051890	051901
052376	052400	052444
053223	053322	053359
054141	054214	054302
055051	055141	055179
055852	055877	056077
056984	056984	057020
058197	058227	058239
059156	059170	059194
059963	059975	059980
060536	060536	060536
060897	060917	060935
061128	061155	061174
061449	061458	061476
061872	061885	061934
062347	062369	062462
062927	062931	062938
063132	063134	063138
063263	063326	063342
063801	063814	063819
064110	064121	064190
050258	050268	050296
051059	051059	051077
051943	051946	051956
052508	052553	052593
053480	053501	053528
054364	054445	054449
055198	055254	055363
056254	056361	056452
057034	057054	057095
058288	058349	058372
059284	059412	059521
059981	060046	060064
060610	060676	060678
060945	060979	061001
061214	061232	061272
061517	061520	061523
061965	061966	061985
062486	062594	062600
062943	062959	062979
063163	063170	063177
063394	063396	063410
063829	063847	063867
064193	064251	064254
050307	050428	050482
051182	051195	051195
052094	052119	052208
052783	052821	052878
053606	053623	053673
054555	054564	054634
055365	055383	055440
056470	056717	056718
057124	057181	057204
058485	058495	058556
059590	059604	059678
060184	060232	060280
060690	060692	060698
061013	061015	061020
061281	061282	061307
061538	061539	061554
061995	062026	062061
062692	062700	062724
062993	063008	063023
063186	063193	063194
063452	063514	063584
063873	063905	063979
064193	064251	064254
050528	050528	050566
051348	051348	051441
052212	052212	052224
052893	052893	052923
053786	053786	053824
054677	054677	054796
055574	055574	055612
056764	056764	056811
057722	057722	057729
058991	058991	059011
059727	059727	059755
060420	060420	060470
060712	060712	060751
061033	061033	061053
061325	061325	061333
061666	061666	061685
062150	062150	062186
062796	062796	062801
063043	063043	063076
063226	063226	063234
063619	063619	063672
064004	064004	064006



---

## CARTSRPT02—Control File Report

The Control File Report lists parameter values and selection criteria set within the Control file of a submitted CARTS-TS stacking or restacking job. The report fields correspond to CARTS-TS ISPF screen fields. Refer to the chapter titled 'Updating Control Files' of the CARTS User Guide for more information about setting parameter values with CARTS ISPF screens.

### Sample Control File Report Part 1: Selection Parameters

```
CARTSRPT02                CARTS-TS CONTROL FILE                PAGE 1
DATE 11/21/97                                                    TIME 17:49

VOLSER GROUP NUMBER -----> 1
DESCRIPTION -----> VOLSER GROUP 1

GROUP IS ACTIVE -----> YES
MAX DSNS PER OUTPUT VOLUME -----> 00999
OUTPUT TAPE VIRTUAL FOOTAGE -----> 0000520
MAX PERCENT IN-USE TO ACCEPT -----> 099
GENERIC UNIT (ROBOTIC) ----->
GENERIC UNIT (NON-ROBOTIC) ----->

VOLSER RANGES      -FROM-    --TO--
                   AAAAAA   999999

.....
      Eight volume groups are displayed
.....

CURRENTLY ACTIVE OUTPUT GROUP -----> 1
```



**Sample Control File Report PART 2, Selection Parameters**

CARTSRPT02  
DATE 11/21/97

CARTS-TS CONTROL FILE

PAGE 1  
TIME 17:49

```

CREATE DATE LOW RANGE -----> 000000
CREATE DATE HIGH RANGE -----> 0099999
DAYS TO EXPIRE -----> 000
DAYS SINCE CREATION -----> 000
DAYS BETWEEN CREATION DATE AMD LAST ACCESSED DATE -----> 999
DAYS SINCE LAST ACCESSED -----> 000
JOB NUMBERING REQUESTED -----> YES
JOB NUMBERING - STARTING POSITION -----> 4
JOB NUMBERING - NUMBER OF DIGITS -----> 5
NUMBER OF CONCURRENT CARTS-TS EXECUTIONS -----> 999
RESTORE ORIGINAL CREATION JOB / STEP NAMES REQUESTED -----> YES
MINIMUM SCRATCH POOL COUNT TO MAINTAIN -----> 9999999
NUMBER OF SCRATCH VOLUMES TO RETURN -----> 9999999
DUAL COPY REQUESTED -----> NO
CARTRIDGE OR REEL PROCESSING -----> CARTRIDGE
CATALOGED OR UNCATLOGED PROCESSING -----> CATALOGED
PROCESS AND STACK CYCLE CONTROL DATASETS -----> YES
AUTOMATICALLY EXLUDE OF VAULT DATASET NAMES -----> NO
ROBOTIC VENDOR -----> NONE
ROBOTIC RESIDENT INPUT VOLUMES -----> NO
ROBOTIC RESIDENT OUTPUT VOLUMES -----> NO
ROBOTIC IMMEDIATE SCRATCH REQUESTED -----> NO

```

```

-----ROBOTIC IDENTIFICATIONS-----
      NONE

```

```

-----SELECTED OFFSITE CODES-----
      NONE

```



---

## Sample Control File Report PART 2: Include/Exclude and Job Statements

CARTSRPT02  
DATE 11/21/97

CARTS-TS CONTROL FILE

PAGE 2  
TIME 17:49

```
-----INCLUDE JOB NAMES-----  
      NONE  
  
-----EXCLUDE JOB NAMES-----  
      NONE  
  
-----INCLUDE STEP NAMES-----  
      NONE  
  
-----EXCLUDE STEP NAMES-----  
      NONE  
  
-----INCLUDE ACCOUNTING CODES-----  
      NONE  
  
-----EXCLUDE ACCOUNTING CODES-----  
      NONE  
  
-----JOB CARD 1(SPECIFIC EXPIRATION DATES)-----  
//CARTS000 JOB (000),'CARTS-TS JC2',CLASS=A,MSGCLASS=XX,  
//          MSGLEVEL=(1,1),NOTIFY=BPDI  
//PROCLIB  JCLLIB  ORDER=CARTS.CTS360.PROCLIB  
  
-----JOB CARD 2(CATALOG AND CYCLE CONTROL)-----  
//CARTS000 JOB (000),'CARTS-TS JC2',CLASS=A,MSGCLASS=XX,  
//          MSGLEVEL=(1,1),NOTIFY=BPDI  
//PROCLIB  JCLLIB  ORDER=CARTS.CTS360.PROCLIB  
  
-----JOB CARD 3(PERMANENT EXPIRATION DATES)-----  
//CARTS000 JOB (000),'CARTS-TS JC2',CLASS=A,MSGCLASS=XX,  
//          MSGLEVEL=(1,1),NOTIFY=BPDI  
//PROCLIB  JCLLIB  ORDER=CARTS.CTS360.PROCLIB  
  
-----INCLUDE/EXCLUDE STATEMENTS-----  
OPT  GRP 1----- 2----- 3----- 4----- 5----- 6----- 7----- 8----- 9-----  
EXCL 001 JUNK
```



## CARTSRPT03—Cataloged/Uncataloged Datasets

Both Cataloged/Uncataloged Datasets reports lists datasets that were omitted from stacking because they did not match values set with the `Cataloged` or `uncataloged` field of the Selection Criteria screen. The report title indicates whether cataloged or uncataloged datasets were skipped and are listed in report.

### Report Fields

Item No.	Field Name and Description
1	<b>DATASET NAME</b> The name of the dataset that was omitted from stacking.
2	<b>VOLSER</b> The volume serial number of the tape that contains the dataset.
3	<b>EXPIRATION</b> The dataset's expiration date. Values are CATALOG, PERMANENT, CYCLE/ccc, LDATE/ddd (for logical date or days retention), or a specific expiration date, in Julian format.
4	<b>CREATE DATE</b> The Julian date when the dataset was originally created.
5	<b>LAST USED</b> The Julian date when the dataset was last accessed.
6	<b>OUT CODE</b> The tape's location code.
7	<b>OUT DATE</b> If the tape is outcoded, the date it was sent offsite.
8	<b>COMMENTS</b> If the tape's out code is blank, this field will say BLANK OUT CODE.

# Sample Cataloged/Uncataloged Datasets Report

CARTSRPT03 DATE 11/21/97	UNCATALOGED DATASETS										PAGE 1 TIME 17:49
	① DATASET NAME	② VOLSER	③ EXPIRATION	④ CREATE DATE	⑤ LAST USE DATE	⑥ OUT CODE	⑦ OUT DATE	⑧ COMMENTS			
WEF.UXMT.GLI.CUM.AUDIT.BKUP.G0008V00	050012	CYCLE/093	1997/093	1997/093	1997/093	1997/093	1997/093				
WEF.EFS.CSMMASTER.ARCHIVE.G0012V00	050381	1996/311	1993/312	1993/312	1993/312	1993/312	1993/312				
WEF.CSPROD.CSS.PERIOD.RECADJ.G0010V00	050539	PERMANENT	1992/194	1992/194	1992/194	1992/194	1992/194				
UXMT.HR.PLV300.PWV010PE.0R21989	050580	CATALOG	1991/226	1991/226	1991/226	1991/226R	1991/226R				
WEF.EFS.CSMMASTER.ARCHIVE.G0010V00	050622	1996/255	1993/256	1993/256	1993/256	1993/256	1993/256				
WEF.EFS.CSMMASTER.ARCHIVE.G0002V00	051057	1996/039	1993/039	1993/039	1993/039	1993/039	1993/039				
WEF.EFS.CSMMASTER.ARCHIVE.G0008V00	051224	1996/200	1993/200	1993/200	1993/200	1993/200	1993/200				
WEF.EFS.CSMMASTER.ARCHIVE.G0006V00	051249	1996/144	1993/144	1993/144	1993/144	1993/144	1993/144				
UXMT.HR.PLV300.PWV010PE.0R31989	052140	CATALOG	1993/320	1993/320	1993/320	1993/320	1993/320				
WEF.EFS.CSMMASTER.ARCHIVE.G0005V00	052428	1996/116	1993/116	1993/116	1993/116	1993/116	1993/116				
UXMT.HR.PLV300.PWV010PE.0R11989	052812	CATALOG	1993/165	1993/165	1993/165	1993/165	1993/165				
WEF.CSPROD.CSS.PERIOD.RECADJ.G0009V00	052867	PERMANENT	1992/166	1992/166	1992/166	1992/166	1992/166				
WEF.EFS.LANETXNS.PERIOD.BACKUP.G0003V00	052963	1995/313	1991/313	1991/313	1991/313	1991/313	1991/313				
WEF.EFS.CSPROD.CSS.PERIOD.RECADJ.G0011V00	053294	PERMANENT	1993/222	1993/222	1993/222	1993/222	1993/222				
WEF.CSPROD.CSS.PERIOD.RECADJ.G0013V00	053831	PERMANENT	1993/278	1993/278	1993/278	1993/278	1993/278				
WEF.CSPROD.CSS.PERIOD.RECADJ.G0012V00	054523	PERMANENT	1993/251	1993/251	1993/251	1993/251	1993/251				
WEF.CSPROD.CSS.PERIOD.RECADJ.G0015V00	055202	PERMANENT	1993/334	1993/334	1993/334	1993/334	1993/334				
WEF.CSPROD.CSS.PERIOD.RECADJ.G0016V00	055203	PERMANENT	1997/004	1997/004	1997/004	1997/004	1997/004				
SOS.UXMT.APM.MAST.APVEND.G1122V00	056627	CATALOG	1993/345	1993/345	1993/345	1993/345S	1993/345S				
WEF.EFS.CSMMASTER.ARCHIVE.G0007V00	056846	1996/172	1993/172	1993/172	1993/172	1993/172	1993/172				
WEF.UXMT.GLICUM.AUDIT.YRBKUP.G0001V00	056882	1996/047	1993/182	1993/182	1993/182	1993/182	1993/182				
WEF.EFS.CSMMASTER.ARCHIVE.G0009V00	057709	1996/227	1993/228	1993/228	1993/228	1993/228	1993/228				
SOS.UXMT.MSA.COPY2.EMPWST2.G0112V00	057872	CATALOG	1997/080	1997/080	1997/080	1997/080	1997/080				
WEF.EFS.CSMMASTER.ARCHIVE.G0001V00	059703	1996/038	1993/038	1993/038	1993/038	1993/038	1993/038				
SOS.UXMT.APM.MAST.APVEND.G1123V00	062044	CATALOG	1993/346	1993/346	1993/346	1993/346	1993/346				





## CARTSRPT04—End-of-Job Record Totals

The End-of-Job Record Totals report summarizes stacking analysis. The report divides the datasets/tapes selected and bypassed into categories and provides a total for each category.

### Report Fields

Item No.	Field Name and Description
1	<p><b>SCRATCH VOLUMES</b></p> <p>The number of tapes in the selected volser ranges that are in scratch status before stacking. Each volser is listed in the CARTSRPT01 report.</p>
2	<p><b>SELECTED DATASETS</b></p> <p>The number of datasets that met the selection criteria specified in the CARTS-TS Control file. These datasets are listed in the CARTSRPT05, CARTSRPT06, and CARTSRPT07 reports.</p>
3	<p><b>[UN]CATALOGED DATASETS BYPASSED</b></p> <p>The number of datasets excluded from stacking because they do not match the value set by the Cataloged or uncataloged field of the Selection Criteria screen. Excluded datasets are listed in CARTSRPT03.</p>
4	<p><b>EXCEPTION DATASETS BYPASSED</b></p> <p>The number of datasets excluded from stacking because they meet some but not all selection criteria in the Control file. These datasets are listed in CARTSRPT99.</p>
5	<p><b>OFF SITE VOLUMES</b></p> <p>The total number of outcoded volumes. For a list of outcoded volumes and their locations, see the Off Site Listing report.</p>
6	<p><b>OFF SITE VOLUMES/BLANK OUTCODES</b></p> <p>The number of volumes outcoded to blanks. Frequently when a tape returns to the data center, operations staff blanks out the outcode instead of replacing it with zeros. However TMS considers the blanks another outcode. To find out which volumes have a blank outcode, see the Off Site Listing report.</p>
7	<p><b>CATALOG MISMATCH</b></p> <p>The number of datasets excluded because the volser listed in the MVS catalog does not match the volser listed in your tape management catalog. This number will be zero if you are stacking uncataloged datasets. These datasets are listed in the CARTSRPT99 report.</p>

Item No.	Field Name and Description
8	<b>DATASETS BYPASSED</b> The total number of datasets excluded from stacking. For more information on excluded datasets and volumes, see CARTSRPT14. To find out why a specific volume was excluded, see CARTSRPT99.
9	<b>VOLUMES ALREADY STACKED</b> The number of volumes that contain more than one dataset. Multi-file volumes are processed by the Restacker. For more information on these volumes, see CARTSRPT22.
10	<b>DATASETS ALREADY STACKED</b> The number of datasets that are currently part of a multi-file volume. These datasets are processed by the Restacker.
11	<b>MULTI VOLUMES</b> The number of volumes that are currently part of a multi-volume dataset. For more information about these volumes, see CARTSRPT21.
12	<b>VAULT MASTER RECORDS PROCESSED</b> The number of vaulted datasets that will be stacked. (For TMS users only.)

### Sample End-of-Job Records Report

CARTSRPT04  
DATE 11/21/97

END-OF-JOB RECORD TOTALS

PAGE 1  
TIME 17:49

①	383	SCRATCH VOLUMES
②	3,476	SELECTED DATASETS
③	0	UNCATALOGED DATASETS BYPASSED
④	0	EXCEPTION DATASETS BYPASSED
⑤	0	OFFSITE VOLUMES
⑥	0	OFFSITE VOLUMES/BLANK OUTCODES
⑦	0	CATALOG MISMATCH
⑧	16,140	DATASETS BYPASSED (SEE RPT99)
⑨	404	VOLUMES ALREADY STACKED
⑩	2,713	DATASETS ALREADY STACKED
⑪	3,250	MULTI VOLUMES
⑫	0	VAULT MASTER RECORDS PROCESSED



## CARTSRPT05, CARTSRPT06, and CARTSRPT07— Stacked Datasets

The three Stacked Datasets reports list candidate datasets that have been selected for stacking prior to Dependency file verification. Eligible datasets appear in the following reports based upon their expiration characteristics:

- CARTSRPT05  
Datasets with specific expiration dates, that is, day or date expiration
- CARTSRPT06  
Datasets under catalog or cycle control
- CARTSRPT07  
Datasets with permanent expiration

Actual stacking results may vary from the datasets shown in these reports. Dependency file verification will exclude datasets from stacking if two or more datasets use the same job or job step and cannot be placed on other volumes. Only one MOD file can be stacked on a volume. If there are more MOD files than volumes that will be stacked, the excess MOD files are excluded from stacking. Refer to the CARTSRPT08, CARTSRPT09, and CARTSRPT10 reports on [page 31](#) for corresponding reports that show dataset stacking after Dependency file verification.

All three reports have similar formats.

### Report Fields

Item No.	Field Name and Description
1	<b>STACKING GROUP NUMBER</b> The stacking group being reported below. Stacking groups are defined by the Dataset Names screen.
2	<b>DATASET NAME</b> The name of the dataset selected for stacking.
3	<b>VOLSER</b> The volume serial number that contains the listed dataset.
4	<b>OUT CODE</b> The volume's location code, if it is outcoded.
5	<b>VOL SEQ</b> The dataset's file sequence number on the tape. On this report this field is always 001.

Item No.	Field Name and Description
6	<p><b>NEXT VOLSER</b> The next volume serial number in this multi-volume set. On this report this field will always be blank.</p>
7	<p><b>IND</b> Stacking indicator. There are three possible values for this field:</p> <p><b>B</b> beginning of the stack, File 1 on the stacked volume.</p> <p><b>S</b> Subsequent stack files, File 2 or greater on the stacked volume.</p> <p>- Bypassed dataset. The calculated virtual footage of the dataset is greater than the virtual footage specified in the Control file.</p>
8	<p><b>FEET</b> Length of tape in feet required to stack this dataset.</p>
9	<p><b>CREATE DATE</b> The Julian date the dataset was originally created.</p>
10	<p><b>EXPIRATION</b> The dataset's expiration date. Values are CATALOG, PERMANENT, CYCLE/ccc, LDATE/ddd (for logical date or days retention), or a specific expiration date, in Julian format.</p>
11	<p><b>NA</b> Never accessed indicator. This column contains an "*" if the dataset has never been accessed since its creation date.</p>
12	<p><b>LAST USE DATE</b> The Julian date the dataset was last accessed.</p>
13	<p><b>CREATING JOBNAME</b> The name of the job that created the dataset.</p>
14	<p><b>CREATING STEPNAME</b> The name of the step that created the dataset.</p>
15	<p><b>VOLUMES PROCESSED</b> The number of tapes processed in this stacking run.</p>
16	<p><b>DATASETS NEVER READ</b> The number of datasets that have never been accessed since their creation date.</p>



<b>Item No.</b>	<b>Field Name and Description</b>
<b>17</b>	<p><b>NO OF FILES STACKED</b>                      The number of datasets to be stacked. This figure includes the initial file on each volume.</p>
<b>18</b>	<p><b>VOLUMES RETURNED TO SCRATCH</b>                      The number of volumes to be returned to the scratch pool after stacking datasets in this category. For the total scratch return, see the Analysis Report.</p>
<b>19</b>	<p><b>VOLUMES BYPASSED</b>                      The number of tapes in this category that CARTS-TS did not stack.</p>





## CARTSRPT08, CARTSRPT09, CARTSRPT10—Stacking Jobs

The three Stacking Jobs reports list tape datasets that have been selected for stacking after Dependency file verification. Any dataset that has a Dependency file conflict is excluded from these reports. These reports are related to the CARTSRPT05, CARTSRPT06, and CARTSRPT07 reports described on [page 27](#). The differences between the two sets of reports represent the net effect of Dependency file verification on stacking.

Each report individually lists dataset stacking candidates that are within one of the following expiration categories:

- CARTSRPT08 Datasets with specific expiration dates, that is, day or date expiration
- CARTSRPT09 Datasets under catalog or cycle control
- CARTSRPT10 Datasets with permanent expiration

All three reports are formatted similarly.

### Report Fields

Item No.	Field Name and Description
1	<b>DATASET NAME</b> The name of the dataset to be stacked.
2	<b>FROM VOLSER</b> The volume serial number of the input tape whose datasets will be stacked on an output tape.
3	<b>TO VOLSER</b> The volume serial number of the output tape that datasets will be stacked.
4	<b>FL NO</b> The dataset's file sequence number after stacking.
5	<b>EXPIRATION</b> The dataset's expiration date. Values are CATALOG, PERMANENT, CYCLE/ccc, or a specific expiration date, in Julian format.
6	<b>JOBNAME</b> The name of the job that will stack the dataset.
7	<b>ATTAINED MINIMUM SCRATCH POOL OR SCRATCH RETURN PARAMETER</b> If this line is printed, you specified a processing limit for CARTS-TS through the Number of scratch tapes needed or Minimum scratch pool to maintain fields. This target has been reached and CARTS-TS has stopped producing jobs.

---

Item No.	Field Name and Description
8	<p><b>NUMBER OF VOLUMES RETURNED TO SCRATCH</b></p> <p>The number of volumes to be returned to your scratch pool after stacking datasets in this category. For the total scratch return, see the Summary Report. (This line is not printed for Mount Eliminator and Disk Stacker reports.)</p>
9	<p><b>NUMBER OF FILES STACKED</b></p> <p>The number of datasets to be stacked. This figure includes the initial file on each volume. It does not include pseudo files for cycle control datasets, or datasets on dual copy tapes.</p>
10	<p><b>NUMBER OF GENERATED STACKING JOBS</b></p> <p>The number of jobs scheduled to run and stack the datasets listed in the report.</p>
11	<p><b>AVERAGE NUMBER OF DATASETS PER TARGET VOLUME</b></p> <p>The average number of datasets per tape, for this run, in this category.</p>
12	<p><b>NUMBER OF SCRATCH VOLUMES REQUIRED</b></p> <p>The number of scratch volumes required to stack datasets outside the tape robot.</p>





Sample Stacking Job Report

PAGE 1  
TIME 15:28

STACKING JOBS- CATALOG/CYCLE CONTROL

CARTSRPT09  
DATE 05/03/97

(1) DATASET NAME	(2) FROM VOLSER	(3) TO VOLSER	(4) FL	(5) EXPIRATION	(6) JOBNAME
BKP.C1.HP.HALINH2.14.INC.D940322.T002531	303644	303524	2	CATALOG	XOLD2400
BAS1435.P.P11435TA.DLYPCS.BFEXT0.G0053V00	308808	303524	3	CATALOG	
OS.P.TM.AUDIT.G1543V00	309875	303524	4	CATALOG	
BAS1341.P.P11341A.R1IAP.BFEXT0.G0261V00	309928	303524	5	CATALOG	
PAS1899.P.CACT.G0010V00	261174	303524	6	CATALOG	
FLX1215.P.SEG.REPORT.G0455V00	278218	303524	7	CATALOG	
BAS0283.P.P10283TB.WEEKPC.BFEXT0.G0149V00	293355	303524	8	CATALOG	
BKP.C1.HP.HALINH2.D8.DB.D940322.T000214	294101	303524	9	CATALOG	
BAS0398.P.P10398A.DLYPCS.BFEXT0.G0293V00	299203	303524	10	CATALOG	
FGB1558.P.MAR21.EPSEQ.P914	270741	303524	11	CATALOG	
BAS1341.P.P11341A.DLYPCS.BFEXT0.G0320V00	272545	303524	12	CATALOG	
BKP.C1.N.L98NM1.D.FULL.D940322.T0520	285190	303524	36	CATALOG	
BKP.C1.N.L3PFI PA1.D.FULL.D940322.T0556	303374	303524	37	CATALOG	
BKP.C1.N.OP3SPRD4.VOL1.INCR.D940322.T0507	306435	303524	38	CATALOG	
BKP.C1.N.L3PFI PA1.C.INCR.D940322.T0554	306864	303524	39	CATALOG	
BKP.C1.N.OP3SPRD4.SYS.INCR.D940322.T0543	264848	303524	40	CATALOG	
BKP.C1.N.L98NDB1.D.FULL.D940322.T0513	265469	303524	41	CATALOG	
BKP.C1.HP.HALINH2.S2.SPEC.D940322.T045957	309351	303524	42	CATALOG	
BKP.C1.N.L9800ST2.K.INCR.D940322.T0549	309664	303524	43	CATALOG	
BKP.C1.N.L9800ST2.M.FULL.D940322.T0552	303726	303524	44	CATALOG	
BKP.C1.N.L98SSUP1.SYS.INCR.D940322.T0526	310311	303524	45	CATALOG	
BKP.C1.N.L9800ST2.N.FULL.D940322.T0557	293030	303524	46	CATALOG	
BKP.C1.N.OP1SPRD2.SYS.INCR.D940322.T0603	293655	303524	47	CATALOG	
BKP.C1.N.OP1SPRD2.VOL3.INCR.D940322.T0604	294202	303524	48	CATALOG	

(7) \*\*\*ATTAINED MINIMUM SCRATCH POOL OR SCRATCH RETURN PARAMETER\*\*\*

- (8) 47 NUMBER OF VOLUMES RETURNED TO SCRATCH
- (9) 47 NUMBER OF FILES STACKED
- (10) 1 NUMBER OF GENERATED STACKING JOBS
- (11) 47.0 AVERAGE NUMBER OF DATASETS PER TARGET VOLUME
- (12) 1 NUMBER OF SCRATCH VOLUMES REQUIRED

---

## CARTSRPT11—Pull List

The Pull List report lists the tape volumes that need to be mounted for a stacking job. This report can display one of six types of data, depending on the type of tape media and datasets to be stacked. The Pull List report lists any of the following types of datasets for either cartridge or reel tapes:

- Datasets with specific expiration dates, that is, day or date expiration
- Datasets under catalog or cycle control
- Datasets with permanent expiration

The report title indicates the tape media and type of dataset shown in the report.

### Report Fields

Item No.	Field Name and Description
1	<b>Title line</b> The report title varies by the tape media and dataset categories used to generate the report. The title line also indicates the name of the CARTS-TS job the pull tapes are for.
2	<b>SLOT NUMB</b> The slot number if the tape volume is mounted on a tape robot.
3	<b>VOLSER</b> The volsers this job will stack. Tapes are listed in volser order. If the job is stacking to an active tape, the target volser will be marked with asterisks.
4	<b>EXPIRATION</b> The dataset's expiration date. Values are CATALOG, PERMANENT, CYCLE/ccc, or a specific expiration date, in Julian format.
5	<b>OUT CODE</b> The volume's location code, if it is outcoded.
6	<b>FILE NUMB</b> The file sequence number of this dataset on the stacked volume.
7	<b>DATASET NAME</b> The name of the dataset to be stacked.

Sample Pull List Report

PAGE 1  
TIME 15:33

CARTSRPT11  
DATE 05/03/97

① CARTRIDGES WITH SPECIFIC EXPIRATION DATE  
PULL LIST FOR JOBNAME XOLD2001

②	③	④	⑤	⑥	⑦
SLOT NUMB	VOLSER	EXPIRATION DATE	OUT CODE	FILE DATASET NAME	
240868	2001/086			PCS.\$0755.F01.D94081.T101914	
241409	2001/133			SYSS.P.MICSG.VM.ACCT.DAY1.G0007V00	
245683	2003/161			ACT.A95.\$1909.F01.D93153.T115018	
248298	2001/081			ACT.L06.\$1803.F01.D94076.T101620	
250566	2001/133			SYSS.P.MICSG.CI.ACCT.DAY1.G0008V00	
251690	2001/082			ACT.L06.\$5314.F01.D94077.T104045	
252424	2001/082			PCS.\$1928.F01.D94077.T104751	
254011	2004/053			PEN1862.P.PME.GRP22.ODLFILE.NIELSEN.PAY1989A	
254038	2004/053			1 ***TARGET(OUTPUT) VOLUME***	
259555	2002/071			17 ACT.A95.\$2638.0292DATA.F01.D92065.T171755	
259693	2001/079			PCS.\$1012.F01.D94074.T111540	
261734	2001/080			60 ACT.L02.\$4544.94ACTRET.F01.D94075.T101822	
262211	2001/080			61 PCS.\$3502.F01.D94075.T101616	
262679	2002/101			16 PAS3172.T.LOAN.C080L.TAPE	
265164	2001/289			18 ACT.A95.\$1450.F01.D91282.T125911	
266206	2001/082			48 PCS.\$2552.F01.D94077.T134104	
266216	2001/082			49 PCS.\$2552.F01.D94077.T133911	
267386	2001/081			53 ACT.L09.\$5639.F01.D94076.T103952	
267978	2001/082			42 ACT.L40.\$5872.F01.D94077.T103655	
268009	2001/207			19 PEN.T.PME.T7.GRP0.PROG.AFSE06	
271754	2001/082			43 PCS.\$1928.F01.D94077.T101618	
272740	2004/051			11 PEN1862.P.PME.GRP22.ODLFILE.NIELSEN.PAY1990	
274100	2001/080			62 ACT.L02.\$4544.94VSTRET.F01.D94075.T104441	
274785	2001/082			46 PCS.\$1928.F01.D94077.T101440	
275108	2001/080			66 PCS.\$0443.F01.D94075.T104832	
275444	2001/102			23 SYSS.P.MICSG.VM.ACCT.DAY1.G0005V00	
275708	2004/051			12 PEN1862.P.PME.GRP22.ODLFILE.NIELSEN.PAY1991	
276436	2004/051			9 PEN1862.P.PME.GRP22.ODLFILE.NIELSEN.PAYB487	
278803	2001/082			47 PCS.\$2552.F01.D94077.T134232	
281390	2001/080			58 PCS.\$4745.F01.D94075.T165654	
281475	2001/080			59 PCS.\$4745.F01.D94075.T165835	
281760	2001/085			28 ACT.L05.\$0642.94ARBIT.W2.F01.94080.111740	
282498	2001/079			77 SYSS.P.MICSG.CI.ACCT.DAY1.G0004V00	



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## CARTSRPT12—TMS DSNB Summary

The CARTS-TS TMS DSNB Summary Recap report lists the number of Data Set Name Blocks (DSNBs) allocated and in use. This report is generated only for tape libraries managed by CA-1/TMS. This report indicates the number of allocated DSNBs that are available before and after stacking.

CARTS-TS uses DSNBs during stacking. The number of DSNBs used to stack multi-dataset volumes is dependent upon the number anticipated stacked volumes. You should increase the value for DSNBs for each file 1 volume that is stacked. For example, 5,000 tape volumes would require 5,000 DSNBs. The CARTSRPT25 report on [page 59](#) shows the number of DSNBs in use when the RESETCYC utility is used to verify the integrity of cycle controlled volumes.

### Report Fields

Item No.	Field Name and Description
1	The total number of DSNBs allocated.
2	The number of DSNBs currently in use, before stacking.
3	The percentage of DSNBs allocated and currently in use.
4	The number of unused DSNBs that CARTS-TS will use during stacking.
5	The percentage of DSNBs allocated and in use after stacking.

### Sample DSNB Report

CARTSRPT12  
DATE 09/30/97

TMS DSNB SUMMARY RECAP

PAGE 1  
TIME 14:44

- ① 25,298 TOTAL DSNB ALLOCATED.
- ② 3,843 TOTAL DSNB CURRENTLY IN USE.
- ③ 15 IS YOUR CURRENT PERCENT USAGE OF ALLOCATED DSNBS.
- ④ 3,476 DSNBS WILL BE USED BY CARTS-TS.
- ⑤ 29 WILL BE THE PERCENT DSNB USAGE AFTER STACKING HAS EXECUTED.



## CARTSRPT13—Restacker List of Files to be Restacked

The Restacker List of Files to be Restacked report lists previously stacked datasets that are candidates to be restacked

### Report Fields.

Item No.	Field Name and Description
1	<b>VOLSER</b> The tape volume serial containing previously stacked datasets that will be restacked.
2	<b>FILE SEQUENCE</b> The current file sequence number of the dataset to be restacked.
3	<b>DATASET NAME</b> The name of the dataset to be restacked.
4	<b>STACK INDICATOR</b> The placement of the dataset on the volume. This field displays one of the following values: <b>BEGIN</b> The dataset will be File 1 on the restacked volume. <b>S</b> The dataset will be File 2 or greater on the restacked volume. These files are stacked in the order they are sequenced on the report behind the previous BEGIN dataset.
5	<b>LENGTH (FEET)</b> The tape length (in feet) used to store the listed dataset.
6	<b>CREATE DATE</b> The date the listed dataset was originally created.
7	<b>EXPIRATION</b> The dataset's expiration date. Values are CATALOG, PERMANENT, CYCLE/ccc, LDATE/ddd (for logical date or days retention), or a specific expiration date, in Julian format.

# Sample Restacker Report

PAGE 1  
TIME 14:34

## CATALOG RESTACKER LIST OF FILES TO BE RESTACKED

CARTSRPT13  
DATE 06/02/97

①	②	③	④	⑤	⑥	⑦	
VOLSER	SEQUENCE	FILE	DATASET NAME	STACK INDICATOR	LENGTH (FEET)	CREATE DATE	EXPIRATION
004301	001	PRDRN.T9.R894F1.A0330S.JUN930C0		BEGIN	000065	1993/183	PERMANENT
005067	001	PRDRN.T9.R0855C1.G0330S.JUN921CT		S	000074	1992/311	PERMANENT
000026	001	PRDHN.XS.H5869AD.X648AS.G0316V00		S	000010	1997/060	PERMANENT
000452	001	PRDHN.XS.VSAM5750.G0508V00		BEGIN	000132	1997/060	PERMANENT
000530	001	PRDFN.HM.X372MSTR.FISCAL91.G0002V00		S	000062	1991/318	PERMANENT
000544	001	PRDUN.CITY.C2.G0082V00		S	000001	1992/022	PERMANENT
000612	001	PRDAN.HM.A8290AH.E0Y8889.G0001V00		S	000305	1991/242	PERMANENT
000643	001	PRDUN.CITY.C2.G0083V00		S	000001	1992/022	PERMANENT
000679	001	PRDFN.HM.F6218AA5.X218AD.FISCAL92.G0002V00		BEGIN	000276	1992/195	PERMANENT
000704	001	PRDUN.CITY.C3.G0045V00		S	000001	1993/019	PERMANENT
000706	001	PRDAN.HM.VSAM8681.E0Y91.G0001V00		BEGIN	000441	1991/305	PERMANENT
000729	001	PRDAN.XS.A5409VA0.A5409AK.G0026V00		S	000001	1997/059	PERMANENT
000844	001	PRDAN.HM.ZIP4BASE.A0020689.G0001V00		BEGIN	000320	1991/267	PERMANENT
000881	001	PRDAN.HM.VSAM8750.E0Y91.D910828.A8751		S	000005	1992/295	PERMANENT
000897	001	PRDFN.HM.X372MSTR.FISCAL91.G0003V00		S	000062	1991/318	PERMANENT
000960	001	PRDHN.XS.VSAM5750.G0506V00		BEGIN	000132	1997/056	PERMANENT
000972	001	PRDUN.CITY.C3.G0038V00		S	000145	1992/099	PERMANENT
001006	001	PRDUN.CITY.S.G0019V00		BEGIN	000264	1992/099	PERMANENT
001017	001	PRDUN.CITY.C3.G0037V00		S	000001	1992/023	PERMANENT
001120	001	PRDFN.HM.X372MSTR.FISCAL90.G0001V00		S	000064	1991/318	PERMANENT
001212	001	PRDFN.HM.X372MSTR.FISCAL90.G0002V00		S	000065	1991/318	PERMANENT
001302	001	PRDAN.HM.ZIP4BASE.A0030689.G0001V00		BEGIN	000320	19912/67	PERMANENT
001366	001	PRDON.XD.OUTSIDE.X343AX.G0001V00		S	000001	1993/302	PERMANENT
001429	001	PLANH.XS.H5580AA0.X580AS		BEGIN	000019	1991/078	PERMANENT
001449	001	PRDAN.HM.VSAM8750.E0Y90.G0001V00		S	000463	1990/274	PERMANENT
001459	001	PRDUN.CITY.S.G0031V00		S	000009	1993/117	PERMANENT
001837	001	PRDAN.HM.VSAM8750.E0Y92.G0001V00		BEGIN	000058	1992/275	PERMANENT
001886	001	PRDAN.HM.VSAM8750.E0Y91.D910828.A8751		S	000008	1992/295	PERMANENT
001896	001	PRDAN.HM.VSAM1060.OCT91.D911031.A1061		BEGIN	000488	1992/211	PERMANENT
001910	001	PRDUN.CITY.S.G0020V00		S	000002	1992/099	PERMANENT
002128	001	PRDUN.CITY.S.G0013V00		BEGIN	000375	1991/360	PERMANENT
002133	001	PRDAN.XS.VSAM2200.G0641V00		S	000055	1997/059	PERMANENT
002147	001	PRDUN.CITY.S.G0017V00		BEGIN	000179	1992/008	PERMANENT
002154	001	PRDUN.CITY.S.G0025V00		S	000213	1993/006	PERMANENT

## CARTSRPT14—Rejection Reason Code Report

The Rejection Reason Code Report lists the reason codes why a tape volume or dataset has been rejected as a stacking candidate. The report also includes the number of rejected datasets or volumes for each reason code. These reason codes are helpful for debugging. Refer to the CARTSRPT99 report to find out why a specific dataset or tape was rejected.

### Report Fields

Item No.	Field Name and Description
1	<b>COUNTER</b> The number of tapes or datasets rejected for stacking because of this reason code.
2	<b>REASON CODE</b> The reason code.
3	<b>DESCRIPTION</b> The problem indicated by the reason code.

# SAMPLE REASON CODE REPORT

PAGE 1  
TIME 17:49

CARTS-TS REJECTION REASON CODE REPORT

CARTSRPT14  
DATE 11/21/97

① COUNTER	② REASON CODE	③ DESCRIPTION
5,739	001	CREATING STEPNAME IS EQUAL TO PRETMS
0	002	DATASET NAME IS BLANKS
535	003	BLKSIZE IS EQUAL TO ZERO
0	004	NOT A STANDARD LABELED TAPE
9	005	EXPIRATION DATE 98DDD
0	006	VOLUME IS MARKED DELETED
0	007	EXCLUDED BASED ON CREATION STEP NAME
0	008	EXCLUDED BASED ON CREATION JOB NAME
0	009	OUT OF VOLSER RANGE
0	010	WILL EXPIRE WITHIN DAYS TO EXPIRE PARAMETER
0	011	CREATED BEFORE -LOW CREATION DATE-PARAMETER
0	012	CREATED AFTER -HIGH CREATION DATE- PARAMETER
0	013	ACCESSED WITHIN-DAYS SINCE LAST ACCESSED PARM
0	014	NOT AT SELECTED OUTCODE LOCATION
0	015	INCLUDED/EXCLUDED BASED ON CONTROL FILE PARMS
0	016	DATASET HAS EXPIRATION DATE OF 99366
0	017	DATASET IS NOT CATALOGED TO 0S
0	018	DATASET IS CATALOGED TO 0S
0	019	NOT ACS RESIDENT VOLUME
0	020	ACS RESIDENT-NOT A SELECTED ACS NUMBER
0	021	NOT ATL RESIDENT VOLUME
0	022	ATL RESIDENT-NOT A SELECTED ATL NAME
0	023	REEL VOLSER-CARTRIDGE PROCESSING REQUESTED
0	024	EXCLUDED BASED ON INCLUDE JOBNAME
0	025	EXCLUDED BASED ON INCLUDE STEPNAME
0	026	EXCLUDED BASED ON ACCOUNTING CODE
0	027	NOT INCLUDED BASED ON ACCOUNTING
0	028	CARTRIDGE VOLSER-REEL PROCESSING REQUESTED
0	029	EXCEEDS MAX FOOTAGE TO BE PROCESSED
3,250	030	MUTLI VOLUME DATASET-LISTED ON CARTSRPT1
404	031	MUTLI DATASET VOLUME-LISTED ON CARTSRPT2
0	032	EXPIRATION DATE OF 99DDD-CYCLE CONTROL
0	033	OFFCODE NOT EQUAL TO SELECTED OUTCODES
0	034	ACS RESIDENT VOLUME





## CARTSRPT15—Dataset Disposition

The Mount Eliminator Dataset Disposition Report is generated when Mount Eliminator off-loads redirected datasets from disk to tape—that is, at each execution of CARTSMOV. This report lists every dataset that was in the lower half of the Mount Eliminator WIP table when off-loading began and the status of each dataset.

### Report Fields

Item No.	Field Name and Description
1	<b>JOB NAME</b> The name of the job that created the dataset.
2	<b>STEP NAME</b> The name of the step that created the dataset.
3	<b>DDNAME</b> The creating ddname of the dataset that has been redirected to disk.
4	<b>DATASET NAME</b> The name of the dataset that has been redirected to disk.
5	<b>BLOCK COUNT</b> The number of blocks written for this dataset.
6	<b>BLOCK SIZE</b> The block size of the dataset.
7	<b>DASD VOLUME</b> The volser of the DASD volume the dataset was redirected to by Mount Eliminator.

Item No.	Field Name and Description
8	<p><b>OPEN DATE</b> The date the dataset was originally opened and redirected to disk.</p>
9	<p><b>OPEN TIME</b> The time the dataset was originally opened and redirected to disk.</p>
10	<p><b>DISPOSITION</b> The dataset's current status, which can be one of the following.</p> <p><b>MIGRATING TO TAPE</b> The dataset is being off-loaded to tape from DASD. When the dataset has been successfully copied to tape, recataloged, and deleted from disk, the dataset's entry in the Work In Progress table is deleted.</p> <p><b>BYPASSING-DASD RESIDENT TIME</b> The dataset has not been resident on disk for the minimum period specified in the Mount Eliminator Control file. The dataset remains on disk and will be examined again the next time CARTSMOV runs.</p> <p><b>DASD RESIDENT-ME CNTL</b> This dataset meets the criteria specified in the Mount Eliminator Control file to keep the redirected dataset permanently on disk. The WIP entry for this dataset is deleted.</p> <p><b>DASD RESIDENT-MEGABYTES</b> The size of the dataset is less than the minimum value specified in the Mount Eliminator Control file. The dataset remains on DASD. The dataset's entry in the WIP table is deleted.</p> <p><b>ALLOCATED</b> This dataset is currently allocated to another job. The dataset is bypassed and remains on disk until CARTSMOV runs again.</p> <p><b>NO LONGER CATALOGED</b> This dataset has been uncataloged since creation. The dataset's entry in the WIP table is deleted.</p> <p><b>CATALOG MIS-MATCH</b> The information in the MVS catalog entry does not match Mount Eliminator's information for the dataset. The dataset's WIP entry is deleted.</p> <p><b>ALLOCATION FAILED</b> The dataset does not exist on the volser specified by the MVS catalog. The dataset's WIP entry is deleted.</p>

### Sample Dataset Disposition Report

CARTSRPT15 DATE 11/21/97		MOUNT ELIMINATOR DATASET DISPOSITION				PAGE 1 TIME 17:49			
① JOB NAME	② STEP NAME	③ DDNAME	④ DATASET NAME	⑤ BLOCK COUNT	⑥ BLOCK SIZE	⑦ DASD VOLUME	⑧ DASD DATE	⑨ ---OPEN--- TIME	⑩ DISPOSITION
XOLDTRY4	STEPONE	OUTPUT	XOLD.CARTS30B.TESTME.FILE4	359	800	MVSW08	94048	14:42	DASD RESIDENT-MEGABYTES
XOLDTRY3	STEPONE	OUTPUT	XOLD.CARTS30B.TESTME.FILE3	359	800	MVSW04	94048	15:12	DASD RESIDENT-MEGABYTES
XOLDTRY2	STEPONE	OUTPUT	XOLD.CARTS30B.TESTME.FILE2	359	800	MVSW05	94048	17:11	DASD RESIDENT-MEGABYTES



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## CARTSRPT16—Block Creation Summary

The Block Creation Summary report summarizes the execution of CARTSM07, which reads SMF records and creates a working file as input to build the Mount Eliminator Block file. CARTSM07 is run only during Mount Eliminator installation.

### Report Fields

Item No.	Field Name and Description
1	The time CARTSM07 began execution.
2	The time CARTSM07 completed execution.
3	The total number of SMF records that were read by CARTSM07.
4	The number of SMF records written to the work file. This number will be less than the total number of SMF records because CARTSM07 excludes header and other non-data records.

### Sample Block Creation Summary Report

CARTSRPT16

- ① CARTSM07 EXECUTION STARTED 02/09/97 10.27.26.2
- ② CARTSM07 EXECUTION ENDED 02/09/97 10.27.26.5
  - ③ 248 TOTAL SMF DUMP RECORDS READ
  - ④ 246 TOTAL SELECTED RECORDS WRITTEN



## CARTSRPT17—Block File Creation Detail

The Block File Creation Detail report presents detailed information about how the Mount Eliminator Block File was created. The report includes what SMF records were read, discarded, etc. It is produced during Mount Eliminator installation, when you run CARTSM07.

### Report Fields

Item No.	Field Name and Description
1	<b>CONTROL STATEMENTS PROCESSED</b> The number of SYSIN statements read. This number does not include comment statements.
2	<b>ERRORS DETECTED</b> Indicates whether errors were detected in the SYSIN control statements read.
3	<b>PROCESSING MODE IS EXCLUDE/INCLUDE</b> Indicates whether specified dataset names and creating jobs were excluded or included during processing.
4	<b>RECORDS READ FROM INPUT SMF FILE</b> The number of type 14 and 15 records read from the SMF dataset.
5	<b>JOB STATEMENTS ON SYSIN</b> The number of creating job names that were specified as SYSIN data with the JOB parameter.
6	<b>EXCLUDE/INCLUDE BASED ON JOB</b> The number of records included or excluded by job name.
7	<b>DATASET STATEMENTS ON SYSIN</b> The number of dataset names that were specified as SYSIN data with the DSN parameter.
8	<b>EXCLUDE/INCLUDE BASED ON DSN</b> The number of SMF records included or excluded by dataset name.
9	<b>PERIOD STARTING JULIAN DATE</b> The starting date for this SMF data.
10	<b>PERIOD ENDING JULIAN DATE</b> The ending date for this SMF data.
11	<b>JOBS EXECUTED</b> The number of jobs recorded in this SMF data.
12	<b>JOB STEPS EXECUTED</b> The number of job steps recorded in this SMF data.

Item No.	Field Name and Description
13	<b>SELECTED OUTPUT TYPE 14-REEL</b> The number of SMF type 14 reel records written. These records are for input on reel tapes.
14	<b>SELECTED OUTPUT TYPE 14-CARTRIDGE</b> The number of SMF type 14 cartridge records written. These records are for input on cartridge tapes.
15	<b>TYPE 14 RECORDS FOR TEMP FILES-BYPASSED</b> The number of records read for temporary sequential input. These records are bypassed.
16	<b>SELECTED OUTPUT TYPE 15-REEL</b> The number of SMF type 15 reel records written. These records are for input on reel tapes.
17	<b>SELECTED OUTPUT TYPE 15-CARTRIDGE</b> The number of SMF type 15 cartridges records written. These records are for input on cartridge tapes.
18	<b>TYPE 15 RECORDS FOR TEMP FILES-BYPASSED</b> The number of records read for temporary sequential output. These records are bypassed.
19	<b>TYPE 15 RECORDS WITH EXPDT=98000-BYPASSED</b> The number of records read for EXPDT=98000 datasets. These records are bypassed.
20	<b>RECORDS WRITTEN ON OUTPUT FILE</b> The number of records written to the Block File. There is one record for each dataset name.

**Sample Block File Creation Detail Report**

CARTSRPT17  
DATE 05/10/97

PAGE 1  
TIME 10:57

- ① CONTROL STATEMENTS PROCESSED
- ② NO ERRORS DETECTED
- ③ PROCESSING MODE IS EXCLUDE
  
- ④ 246 RECORDS READ FROM INPUT SMF FILE
- ⑤ 2 JOB STATEMENTS ON SYSIN
- ⑥ 0 EXCLUDE/INCLUDE BASED ON JOB
- ⑦ 4 DATASET STATEMENTS ON SYSIN
- ⑧ 0 EXCLUDE/INCLUDE BASED ON DSN
- ⑨ 1997/013 PERIOD STARTING JULIAN DATE
- ⑩ 1997/013 PERIOD ENDING JULIAN DATE
- ⑪ 28 JOBS EXECUTED
- ⑫ 28 JOB STEPS EXECUTED
- ⑬ 0 SELECTED OUTPUT TYPE 14-REEL
- ⑭ 0 SELECTED OUTPUT TYPE 14-CARTRIDGE
- ⑮ 0 TYPE 14 RECORDS FOR TEMP FILES-BYPASSED
- ⑯ 0 SELECTED OUTPUT TYPE 15-REEL
- ⑰ 25 SELECTED OUTPUT TYPE 15-CARTRIDGE
- ⑱ 0 TYPE 15 RECORDS FOR TEMP FILES-BYPASSED
- ⑲ 0 TYPE 15 RECORDS WITH EXPDT=98000-BYPASSED
- ⑳ 25 RECORDS WRITTEN ON OUTPUT FILE



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## CARTSRPT18—ME Block File Report

The Mount Eliminator Block File report lists the contents of the Block File. Each dataset listed in the Block File has an entry in the report. The entry includes the dataset's average block count, the number of entries used to calculate the average, and the dataset name. CARTSRPT18 is produced by CARTSM07 during Mount Eliminator installation.

Dataset names are given without.G0000V00 numbers.

### Report Fields

Item No.	Field Name and Description
1	<b>AVERAGE BLK COUNT</b> The average block count of the listed dataset.
2	<b>NO OF ENTRIES</b> The number of entries in the Block file used to calculate the average block count of a dataset. Only entries that are equal to or greater than the current average block count are used to calculate the new average.
3	<b>DATASET NAME</b> The name of the dataset.

### Sample Block File Report

```
CARTSRPT18                      ME BLOCK FILE REPORT                      PAGE 1
DATE 11/21/97                                                            TIME 17:49
  ①      ②      ③
AVERAGE NO OF DATASET NAME
BLK COUNT ENTRIES

    225      5  CARTS.TESTME.FILE1
    675      5  CARTS.TESTME.FILE2
   1,125      5  CARTS.TESTME.FILE3
    945      5  CARTS.TESTME.FILE4
    405      5  CARTS.TESTME.FILE5

                    5 TOTAL RECORDS
```





## CARTSRPT19—Dataset Totals Report

The Dataset Totals report lists totals for the three categories of datasets selected for stacking.

### Report Fields

Item No.	Field Name and Description
1	<b>TOTAL RECORDS READ</b> The total number of datasets selected for stacking.
2	<b>DATASETS USING LESS THAN 100 FEET</b> The number of datasets that can be stored on less than 100 feet of tape.
3	<b>NUMBER OF CATALOG/CYCLE VOLS</b> The number of datasets selected for stacking that are expired by catalog or cycle control.
4	<b>NUMBER OF PERMANENT VOLS</b> The number of datasets selected for stacking with permanent expiration.
5	<b>NUMBER OF SPECIFIC EXPIRATIONS</b> The number of datasets selected for stacking that are expired by day or date retention.

### Sample Dataset Totals Report

CARTSRPT19  
DATE 05/10/97

PAGE 1  
TIME 10:57

① 29 TOTAL RECORDS READ  
② 28 DATASETS LESS THAN 100 FEET  
③ 0 NUMBER OF CATALOG/CYCLE VOLS  
④ 0 NUMBER OF PERMANENT VOLS  
⑤ 29 NUMBER OF SPECIFIC EXPIRATIONS

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## CARTSRPT21—Multi Volume Dataset Report

The Multi Volume Dataset report lists all datasets that span more than a single tape volume. These datasets are automatically excluded from CARTS-TS stacking. Each volume has its own report line.

### Report Fields

Item No.	Field Name and Description
1	<b>DATASET NAME</b> The name of a dataset that spans multiple volumes.
2	<b>VOLSER</b> The volsers of the tapes that store a multi-volume dataset.
3	<b>CREATE DATE</b> The Julian date when the listed dataset was originally created.
4	<b>EXPIRATION</b> The dataset's expiration date. Values are CATALOG, PERMANENT, CYCLE/ccc, LDATE/ddd (for logical date or days retention), or a specific expiration date, in Julian format.
5	<b>LAST USE DATE</b> The Julian date when the dataset was last accessed.
6	<b>FIRST VOLSER</b> The initial volume serial number of this multi-volume set.
7	<b>NEXT VOLSER</b> The tape following the tape in the VOLSER field in this multi-volume set.
8	<b>PREV VOLSER</b> The tape preceding the tape in the VOLSER field in this multi-volume set.
9	<b>VOL SEQ</b> The volume sequence number for the tape in the VOLSER field.
10	<b>OUT CODE</b> The tape's location code.

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<b>Item No.</b>	<b>Field Name and Description</b>
<b>11</b>	<b>OUT DATE</b> The date the tape was sent to an off site location.
<b>12</b>	<b>NUMBER OF MULTI-VOLUME VOLUME SERIALS</b> The number of multi-volume tapes excluded from stacking.
<b>13</b>	<b>NUMBER OF MULTI-VOLUME DATASETS</b> The number of datasets stored on multi-volume tapes.

# Sample Multi-Volume Dataset Report

MULTI VOLUME DATASET REPORT

CARTSRPT21  
DATE 05/03/97

①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪
DATASET NAME	VOLSER	CREATE DATE	EXPIRATION DATE	LAST USE DATE	FIRST VOLSER	NEXT VOLSER	PREV VOLSER	VOL SEQ	OUT CODE	OUT DATE
ACT.A95.70362.91WHXKLP.GM.F01.D91199.T13302	245304	1991/208	2001/205	1991/208	245304	246369		1	VLTA	
ACT.A95.71495.91ACTIRES.F01.D91043.T085834	265141	1991/054	2001/051	1991/054	265141	265226		1	VLTA	
ACT.A95.71530.92THPARTAP.F01.D92028.T105723	272033	1992/039	2002/036	1992/039	272033	272029		1	VLTA	
ACT.A95.71591.0191FIRR6T4T.F01.D91010.T11383	241598	1991/019	2001/016	1991/019	241598	261926		1	VLTA	
ACT.A95.73377.92HSBEUCT2.F01.D92140.T10563	279186	1992/151	2002/148	1992/151	279186	270936		1	VLTA	
ACT.A95.74091.92CJU.36038.F01.D92020.T155959	267902	1992/032	2002/029	1992/032	267902	269248		1	VLTA	
ACT.A95.74282.FY1.D91151.T170754	244555	1991/159	2001/156	1991/159	244555	245613		1	VLTA	
ACT.A95.75162.FY1.D92121.T112854	264211	1992/130	2002/127	1992/130	264211	265856		1	VLTA	
ACT.A95.75467.FY1.D90208.T121115	256427	1990/216	1997/221	1990/216	256427	255285		1	VLTA	
ACT.A95.76105.KELRALLI.F01.D91226.T125543	267976	1991/236	2001/233	1991/236	267976	261453		1	VLTA	
ACT.A96.70362.91WHXKLP.GM.F01.D91199.T133028	714805	1991/208	2001/205	1991/208	714805	714659		1	USR1	1991/209
ACT.A96.71003.FY1.D92076.T130745	711169	1992/088	2002/085	1992/088	711169	711720		1	USR1	1992/089
ACT.A96.71050.YIMITDSRET.F01.D91051.T115938	707725	1991/067	2001/064	1991/067	707725	711112		1	USR1	1991/068
ACT.A96.71324.FY1.D91225.T155620	713210	1991/236	2001/233	1991/236	713210	702383		1	USR1	1991/238
ACT.A96.71402.FY1.D90309.T132659	708660	1990/322	2000/320	1990/322	708660	710137		1	USR1	1990/322
ACT.A96.71495.91ACJUIVES.F01.D91043.T08584	713778	1991/054	2001/051	1991/054	713778	713133		1	USR1	1991/055
ACT.A96.71498.91.SAM.BFT.F01.D91060.T131812	714353	1991/068	2001/065	1991/068	714353	706007		1	USR1	1991/069
ACT.A96.71530.92NEKPARTAP.F01.D92028.T105723	707724	1992/039	2002/036	1992/039	707724	707689		1	USR1	1992/041
ACT.A96.71591.0191FIOPT4T.F01.D91010.T113823	711225	1991/019	2001/016	1991/019	711225	712159		1	USR1	1991/020
ACT.A96.71835.FY1.D91219.T155255	702088	1991/229	2001/226	1991/229	702088	712097		1	USR1	1991/230
ACT.A96.72274.100W0DT1.F01.D90285.T145942	708740	1990/295	2000/293	1990/295	708740	700974		1	USR1	1990/296
ACT.A96.73377.92JMPACT2.F01.D92140.T105638	726207	1992/151	2002/148	1992/151	726207	718862		1	USR1	1992/152
ACT.A96.73415.FY1.D92156.T133145	701823	1992/165	2002/162	1992/165	701823	710943		1	USR1	1992/166
ACT.A96.74091.90WIETFRAN.F01.D90285.T150432	700108	1990/295	2000/293	1990/295	700108	713651		1	USR1	1990/296
ACT.A96.74091.90WIETFRAN.F01.D90285.T150432	713814	1990/293	2000/291	1990/293	713814	703979		1	USR1	1990/294
ACT.A96.74091.90WIETFRAN.F01.D90285.T150432	712832	1990/295	2000/293	1990/295	712832	701480		1	USR1	1990/296
ACT.A96.74091.92CUE.36038.F01.D92020.T155959	710108	1992/032	2002/029	1992/032	710108	714350		1	USR1	1992/034

⑫ 252 NUMBER OF MULTI-VOLUME SERIALS

⑬ 84 NUMBER OF MULTI-VOLUME DATASETS

## CARTSRPT22—Multi Dataset Volume Report

The Multi Dataset Volume Report lists all tape volumes that store more than one dataset. These datasets are excluded from regular stacking. They can be restacked with CARTS-TS Restacker.

### Report Fields

Item No.	Field Name and Description
1	<b>DATASET NAME</b> The name of File 1 on the listed volume.
2	<b>VOLSER</b> The volume serial number of the tape with multiple files.
3	<b>CREATE DATE</b> The date File 1 was originally created, in Julian format.
4	<b>EXPIRATION</b> File 1's expiration date. Values are CATALOG, PERMANENT, CYCLE/ccc, or a specific expiration date, in Julian format.
5	<b>LAST USE DATE</b> The Julian date that File 1 was last accessed.
6	<b>CREATING JOBNAME</b> The name of the job that created File 1.
7	<b>LAST USE JOBNAME</b> The name of the last job to access any of the datasets on this volume.
8	<b>NO OF FILES</b> The number of files on the listed volume.
9	<b>OUT CODE</b> The volume's location code.
10	<b>OUT DATE</b> The date the volume left the data center.
11	<b>NUMBER OF EXISTING STACKED DATASETS</b> The number of datasets currently on multi-file tapes.
12	<b>NUMBER OF EXISTING STACKED VOLUMES</b> The number of tapes that currently contain more than one dataset.
13	<b>AVERAGE DATASETS PER VOLUME</b> The average number of datasets on each multi-file tape.

# Sample Multi-Dataset Volume Report

PAGE 1  
TIME 15:26

MULTI DATASET VOLUME REPORT

①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩
DATASET NAME	VOLSER	CREATE DATE	EXPIRATION DATE	LAST USE DATE	CREATING JOBNAME	LAST USE	NO OF FILES	OUT CODE	OUT DATE
PAS4039.P@6.RPM2.G0098V00	240527	1993/055	1997/170	1993/062	PA4039R1	PA6352#P	12		
PAS2341.P.SCTLOS.G0019V00	240543	1993/056	1996/056	1993/056	PA23410F	PA23410F	18	USR1	1993/061
PAS4541.P.SCTLOS.G0008V00	240550	1991/130	1997/134	1991/130	PA45410F	PA45410F	17	USR1	1991/143
PAS0084.PYI.SCTLOS.G0007V00	240552	1990/339	CATALOG	1990/339	PI00840F	PI00840F	17		
PAS0823.PMF.SCTLOS.G0014V00	240553	1991/029	1997/333	1991/029	PF08230F	PF08230F	17	USR1	1991/031
ACT.L05.\$4230.929LH.NONPT.F01.D92024.T134505	240554	1992/024	PERMANENT	1992/032	+ACTTAP1	OSTM996A	3		
ADR.P.DB225BK.A06.RLS.G0375V00	240556	1997/059	CATALOG	1997/059	MGR0200	MGR0200	2		
PAS4572.P@6.ROTT0.G0271V00	240568	1989/269	CATALOG	1991/032	PA4572U4	PA4108MW	15		
PAS1933.P@6.ROTT0.G0228V00	240570	1990/339	CATALOG	1991/128	PA1933U3	ISTMC211	8		
PAS3425.PLN.IYLOS.G0016V00	240575	1991/011	CATALOG	1991/011	PN34250F	PN34250F	13	USR1	1991/015
DB2.P.IC.FULL.TKND01.D8D01.G0250V00	240577	1992/113	CATALOG	1992/113	ISD2P1DA	ISD2P1DA	12		
SYSS.T.LKRTAPE.LOGDATA.DUMP.G0086V00	240596	1993/245	CATALOG	1993/245	@07680BK	@07680BK	7		
SYSS.P.LKRTAPE.LOGDATA.ALT.G0667V00	240600	1993/313	CATALOG	1993/333	IAMBACK	@00712RS	4		
BAS0000.THIC.DBQ2.D1337AA1.TTBAXA01.G0021V00	240606	1997/044	1997/144	1997/044	BAIC207	BAIC207	15		
DBQ2.ARCHLOG2.D94039.T0939294.B0001290	240607	1997/039	1997/084	1997/039	DBQ2MSTR	DBQ2MSTR	2		
PAS1059.PMSCTLOS.G0018V00	240650	1991/182	1997/181	1991/182	PA10590F	PA10590F	17	USR1	1991/194
PAS0678.PMSCTLOS.G0008V00	240687	1991/232	1997/231	1991/232	PA06780F	PA06780F	17	USR1	1991/253
PAS0462.P@6.H.REPT0.G0309V00	240689	1990/339	CATALOG	1991/128	PH0462U2	ISTMC207	16		
PAS0994.P.CACT.G0017V00	240691	1993/048	CATALOG	1993/116	PA0994MV	PA0994#T	7		
PAS5077.P@6.REPT0.G0091V00	240692	1989/224	CATALOG	1991/112	PA5077E0	PA5082MW	15		
PEN2737.T.PME.T6.GRP3.ZDATA.G0075V00	240705	1997/047	CATALOG	1997/047	AD2737T3	AD2737T3	8		
PAS0084.PIJ.SCTLOS.G0004V00	240707	1991/091	CATALOG	1991/091	PJ00840F	PJ00840F	17		
PAS0311.PMSCTLOS.G0020V00	240710	1992/177	1995/176	1992/177	PA03110F	PA03110F	18	USR1	1992/179
FLX1012.PMSEQ.AUDIT.BKUP.O.G0009V00	240712	1993/258	CATALOG	1993/258	FL101280	FL101280	10		
PEN2695.T.PME.T6.GRP24.DATA.D030894D	240714	1997/067	1997/187	1997/067	@07400BK	@07400BK	5		
PAS2904.PMSCTLOS.G0028V00	240717	1993/130	1996/130	1993/130	PA29040F	PA29040F	18	USR1	1993/132
PAS4471.PMTVAL.G0494V00	240725	1997/031	CATALOG	1997/061	PA4471MU	PA4881PV	4		
DB2.THIC.FULL.THDAS004.EABBBREV.G0004V00	240728	1991/218	CATALOG	1991/218	@052298S	@052298S	15		
PEN2383.T.PME.GRP15.ZDATA.G1652V00	240735	1997/033	CATALOG	1997/033	AD2383T3	AD2383T3	6		
PEN8765.T.PME.GRP6.ZDATA.G1752V00	240736	1993/302	CATALOG	1993/302	AD1951T3	AD1951T3	6		

- ⑪ 214,672 NUMBER OF EXISTING STACKED DATASETS
- ⑫ 20,650 NUMBER OF EXISTING STACKED VOLUMES
- ⑬ 10.3 AVERAGE DATASETS PER VOLUME

## CARTSRPT23—File Stacking Distribution

The File Stacking Distribution report shows stacking distribution by the number of volumes containing a specific number of stacked datasets. The report is listed in ascending stacked dataset count order.

### Report Fields

Item No.	Field Name and Description
1	<b>VOLUME COUNT</b> The number of tapes that contain the number of files shown in the NO OF FILES column.
2	<b>NO OF FILES</b> The number of files stacked on these volumes.

---

## Sample Distribution Report

CARTSRPT23  
DATE 05/03/97

FILE STACKING DISTRIBUTION

PAGE 1  
TIME 15:26

①	②
VOLUME	NO OF
COUNT	FILES
2,729	2
1,398	3
1,015	4
920	5
2,255	6
1,404	7
1,013	8
746	9
650	10
381	11
680	12
546	13
545	14
1,096	15
307	16
1,120	17
2,572	18
337	19
126	20
56	21
46	22
32	23
86	24
117	25
26	26
25	27
66	28
25	29
21	30
19	31
21	32
14	33
21	34
10	35





## CARTSRPT24—Partially Expired Volumes

The Partially Expired Volumes report is an exception report. The report is generated when the RESTEXPR utility is run against volumes managed by CA-Dynam/TLMS.

RESTEXPR is an integrity check that protects datasets against premature expiration caused by exception processing with the Restacker. Exceptions occur when Restacker begins processing a volume, but somehow that processing is interrupted. The partial processing causes the volume to be expired, even though it may still contain active datasets. RESTEXPR prevents volumes containing active datasets from being scratched. RESTEXPR should always be run before the daily scratch and clean job.

CARTSRPT24 is an exception report that normally has few if any entries. If there is an exception, this report lists all the datasets on the volumes that have been restored by RESTEXPR.

### Report Fields

Item No.	Field Name and Description
1	<b>VOLUME SERIAL</b> The volser of the tape that was restored.
2	<b>TOTAL FILES</b> The total number of expired and unexpired files on the tape.
3	<b>TOTAL EXPIRED FILES</b> The number of expired files on the tape.
4	<b>UNEXPIRED DSN DETAIL, FILE NUMBER</b> The file number of an active dataset on the tape.
5	<b>UNEXPIRED DSN DETAIL, DATASET NAME</b> The name of an active dataset on the tape.

# Sample Partially Expired Volumes Report

CARTSRPT24		PARTIALLY EXPIRED VOLUMES		-----UNEXPIRED DSN DETAIL-----	
①	②	③	④	⑤	
DATE	VOLUME TOTAL SERIAL FILES	TOTAL EXPIRED FILES	FILE NUMBER	DATASET NAME	
05/19/97	000068 4	2	2	PRDFN.XS.VSAM6305.G0179V00	
			4	PRDHN.XS.VSAM9302.G0811V00	
	005578 52	1	1	PRDDN.BP.A6920.DB064.K89.PRD.G0109V00	
			3	PRDAN.XS.A2610A0.X610AD.G0001V00	
			4	PRDAN.XS.A2615A0.X615AS.G0001V00	
			5	PRDAN.XS.A2615A0.X615AD.G0002V00	
			6	PRDHN.XS.H5594A0.X594AD.G0055V00	
			7	PRDDN.BU.D9025.ID\$ID.SRC.DEV.G0460V00	
			8	PRDDN.BU.D9025.ID\$ID.PNL.DEV.G0460V00	
			9	PRDDN.BU.D9025.ID\$ID.OBJ.DEV.G0453V00	
			10	PRDDN.BU.D9025.IDAPO.SRC.DEV.G0459V00	
			11	PRDDN.BU.D9025.IDAPO.PNL.DEV.G0458V00	
			12	PRDDN.BU.D9025.IDAPO.OBJ.DEV.G0458V00	
			13	PRDDN.BU.D9025.IDAPB.SRC.DEV.G0458V00	
			14	PRDDN.BU.D9025.IDAPB.PNL.DEV.G0458V00	
			15	PRDDN.BU.D9025.IDAPB.OBJ.DEV.G0461V00	
			16	PRDDN.BU.D9025.IDSD0.SRC.DEV.G0458V00	
			17	PRDDN.BU.D9025.IDSD0.PNL.DEV.G0458V00	
			18	PRDDN.BU.D9025.IDSD0.OBJ.DEV.G0458V00	
			19	PRDDN.BU.D9025.IDCPD.SRC.DEV.G0458V00	
			20	PRDDN.BU.D9025.IDCPD.PNL.DEV.G0458V00	
			21	PRDDN.BU.D9025.IDCPD.OBJ.DEV.G0457V00	
			22	PRDDN.BU.D9025.IDIDL.DAT.DEV.G0459V00	
			23	PRDDN.BU.D9025.IDIDL.DVM.DEV.G0457V00	
			24	PRDDN.BU.D9025.IDADR.OUT.DEV.G0457V00	
			25	PRDDN.BU.D9025.IDADR.PNL.DEV.G0457V00	
			26	PRDDN.BU.D9025.IDSEC.PNL.DEV.G0456V00	
			27	PRDDN.BU.D9025.IDDIC.MAP.DEV.G0456V00	
			28	PRDDN.BU.D9025.IDDIC.WRK.DEV.G0456V00	
			29	PRDDN.BU.D9025.IDTRC.SRC.DEV.G0266V00	
			30	PRDDN.BU.D9025.IDTRC.PNL.DEV.G0266V00	



## CARTSRPT25—Cycle Control Reset Summary

The Cycle Control Reset Summary report lists totals for DSNBs and cycle control stacking. It is generated when you run RESETCYC.

### Report Fields

Item No.	Field Name and Description
1	<b>DEFINED VOLUMES</b> The number of tape volumes defined in your tape management catalog.
2	<b>ACTIVE VOLUMES</b> The total number of initialized tapes in your tape management catalog.
3	<b>DEFINED DSNBS</b> The number of DSNB records defined in your tape catalog.
4	<b>ACTIVE DSNBS</b> The number of used DSNB records.
5	<b>VOLUMES SELECTED</b> The number of cycle control datasets that are on single-dataset volumes. These datasets are not stacked. RESETCYC will not touch these volumes.
6	<b>DSNBS SELECTED</b> These cycle control datasets are File 2 and greater on a multi-dataset volume. These datasets may or may not have been stacked by CARTS-TS. RESETCYC considers only those datasets that were stacked by CARTS-TS.
7	<b>TOTAL OUTPUT RECORDS</b> Total number of cycle control datasets in your TMS catalog.

### Sample Cycle Control Reset Summary Report

CARTSRPT25  
DATE 06/02/97

PAGE 1  
TIME 16:37

①	313,002-DEFINED VOLUMES
②	170,461-ACTIVE VOLUMES
③	700,000-DEFINED DSNBS
④	545,487-ACTIVE DSNBS
⑤	191-VOLUMES SELECTED
⑥	149-DSNBS SELECTED
⑦	340-TOTAL OUTPUT RECORDS

---

## CARTSRPT26—Cycle Control Expiration

The Cycle Control Expiration report is generated when you run RESETCYC to expire stacked datasets under cycle control. The report lists each expired dataset and totals for cycle control expiration.

### Report Fields

Item No.	Field Name and Description
1	<b>DATASET NAME</b> The name of the dataset under cycle control.
2	<b>VOLSER</b> The volser of the tape the cycle control dataset is stacked.
3	<b>FNO</b> The dataset's file sequence number on the stacked tape.
4	<b>CREATE DATE</b> The Julian date the listed dataset was originally created.
5	<b>CYCLES</b> The number of cycles to be maintained for the dataset.
6	Messages appear on the report to the right of the CYCLES field. Possible messages include the following: <b>EXPIRING DSNB</b> An active cycle control dataset has become inactive and is being expired. The DSNB is freed. <b>EXPIRING VOLUME</b> All cycle control datasets on this tape have expired. CARTS-TS expired the volume. <b>NO UPDATE PERFORMED</b> This dataset has not yet expired. No action is taken. <b>FOUND BAD FILE SEQ #</b> CARTS-TS found a bad or invalid DSNB chain. Contact Computer Associates technical support. <b>NOT A CARTS-TS STACKED VOLUME - NO ACTION</b> The stacked tape was not produced by CARTS-TS. CARTS-TS does not expire other stacked cycle control tapes.
7	<b>RECORDS READ</b> The total number of datasets that are stacked and under cycle control. CARTS-TS examined the expiration for each of these datasets.



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<b>Item No.</b>	<b>Field Name and Description</b>
<b>8</b>	<b>TOTAL DATASETS EXPIRED</b> The number of datasets that RESETCYC expired under cycle control in your tape management catalog.
<b>9</b>	<b>VOLUMES EXPIRED</b> The number of tapes CARTS-TS expired because all the cycle control datasets on the tape have expired. CARTS-TS expires the pseudo file on each of these volumes.
<b>10</b>	<b>DSNBS EXPIRED</b> The number of DSNBs freed because of the expired volumes.

# Sample Cycle Control Expiration Report

CARTSRPT26  
DATE 06/02/97

CYCLE CONTROL EXPIRATION

PAGE 1  
TIME 16:40

① DATASET NAME	② VOLSER	③ FNO	④ CREATE DATE	⑤ CYCLES	⑥
INTHWT.P.BKU.CNTL.G0001V00	289824	010	1993/043	001	NO UPDATE PERFORMED
INTHWT.P.BKU.COPYLIB.G0001V00	289824	011	1993/043	001	NO UPDATE PERFORMED
INTHWT.P.BKU.LOAD.G0001V00	289824	012	1993/043	001	NO UPDATE PERFORMED
INTHWT.P.BKU.SOURCE.G0001V00	289824	013	1993/043	001	NO UPDATE PERFORMED
INTHWT.T.BKU.CNTL.G0001V00	290753	014	1993/043	001	NO UPDATE PERFORMED
INTHWT.T.BKU.COPYLIB.G0001V00	290753	015	1993/043	001	NO UPDATE PERFORMED
INTHWT.T.BKU.LOAD.G0001V00	290753	016	1993/043	001	NO UPDATE PERFORMED
INTHRH.P.BKU.LOADDCICS.G0001V00	289824	002	1993/043	001	NO UPDATE PERFORMED
INTHRH.P.BKU.LOADDCICS.G0001V00	296964	002	1993/043	001	NO UPDATE PERFORMED
INTHRH.P.BKU.PARMLIB.G0001V00	289824	003	1993/043	001	NO UPDATE PERFORMED
INTHRH.P.BKU.PROCLIB.G0001V00	289824	004	1993/043	001	NO UPDATE PERFORMED
INTHRH.P.BKU.SOURCE.G0001V00	289824	005	1993/043	001	NO UPDATE PERFORMED
INTHRH.T.BKU.LOAD.G0001V00	290753	002	1993/043	001	NO UPDATE PERFORMED
INTHRH.T.BKU.LOADDCICS.G0001V00	290753	003	1993/043	001	NO UPDATE PERFORMED
INTHRH.T.BKU.LOADLIB.G0001V00	290753	004	1993/043	001	NO UPDATE PERFORMED
INTHRH.T.BKU.PROCLIB.G0001V00	290753	005	1993/043	001	NO UPDATE PERFORMED
INTHRH.T.BKU.SOURCE.G0001V00	290753	006	1993/043	001	NO UPDATE PERFORMED
INTVKV.T.BKU.MODATA.G0004V00	246020	003	1992/041	001	NO UPDATE PERFORMED
INTVKV.T.BKU.PARMLIB.G0001V00	290753	012	1993/043	001	NO UPDATE PERFORMED
INTVKV.T.BKU.QTRDATA.G0005V00	273766	004	1992/108	001	NO UPDATE PERFORMED
INTVKV.T.BKU.QTRDATA.G0004V00	246020	004	1992/041	001	NO UPDATE PERFORMED
INTVKV.T.BKU.SECSTAT.G0005V00	273766	008	1992/108	001	NO UPDATE PERFORMED
INTVKV.T.BKU.SECSTAT.G0004V00	246020	008	1992/041	001	NO UPDATE PERFORMED
INTVKV.T.BKU.SOURCE.G0001V00	290753	013	1993/043	001	NO UPDATE PERFORMED
PEN8765.T.PME.GRP6.ZBCALC.G1794V00	308391	005	1993/344	001	NO UPDATE PERFORMED
PEN8765.T.PME.GRP6.ZBKF.G0689V00	308391	006	1993/344	001	NO UPDATE PERFORMED
PEN8765.T.PME.GRP6.ZDATA1.G1794V00	308391	002	1993/344	001	NO UPDATE PERFORMED
PEN8765.T.PME.GRP6.ZDATA2.G1794V00	308391	003	1993/344	001	NO UPDATE PERFORMED
PEN8765.T.PME.GRP6.ZINDEX.G1794V00	308391	004	1993/344	001	NO UPDATE PERFORMED

- ⑦ 340-RECORDS READ
- ⑧ 67-TOTAL DATASETS EXPIRED
- ⑨ 0-VOLUMES EXPIRED
- ⑩ 0-DSNBS EXPIRED



## CARTSRPT50—Datasets Not Selected by CARTS-DS

The Datasets Not Selected by CARTS-DS report lists each disk dataset that was excluded from off-loading to tape by Disk Stacker. The report includes an explanation why each dataset is excluded.

CARTSRPT50 is usually a very long report. It is created by default and is useful during the Disk Stacker testing phase. After Disk Stacker procedures have been established, you can discontinue this report. Refer to the section titled ‘Selecting Reports’ of each *CARTS User Guide* for instructions to discontinue reports.

### Report Fields

Item No.	Field Name and Description
1	<b>DSN</b> The name of the disk dataset excluded from stacking by Disk Stacker.
2	<b>VOLSER</b> The volume serial of the disk volume on which the excluded dataset is stored.
3	<b>CATALOG VOLSER</b> The volser specified in the MVS catalog if that volser does not match the VTOC entry.
4	<b>CREATE DATE</b> The Julian creation date of the dataset.
5	<b>DS ORG</b> The dataset’s organization.
6	<b>RECFM</b> The dataset’s record format.
7	<b>TRKS USED</b> The number of disk tracks used to store the dataset.
8	<b>DESCRIPTION</b> The explanation why the disk dataset was excluded from stacking.
9	<b>DASD VOLUME SERIALS EXAMINED</b> DASD volumes analyzed by Disk Stacker.
10	<b>NUMBER OF FILES TO BE PROCESSED</b> The number of datasets to be off-loaded to tape by Disk Stacker.
11	<b>NUMBER OF FILES REJECTED</b> The number of disk datasets that were rejected and will not be off-loaded by Disk Stacker.

# Sample CARTSRPT50 Report

PAGE 1  
TIME 10:55

DATASETS NOT SELECTED BY CARTS-DS

CARTSRPT50  
DATE 05/10/97

①	②	③	④	⑤	⑥	⑦	⑧
DSN	VOLSER	CATALOG	CREATE DATE	DS	RECFM	TRKS USED	DESCRIPTION
BEB1.ISPF.ISPPROF2	MVSW01		02/28/91	P0	FB	1	FILE DSORG NOT PS
BEB2.ISPF.ISPPROF9	MVSW01		10/08/93	P0	FB	1	FILE DSORG NOT PS
BEB3.ISPF.ISPPROF3	MVSW01		11/23/92	P0	FB	1	FILE DSORG NOT PS
BEB3.SMP.ISPTLIB	MVSW01		10/11/93	P0	FB	1	FILE DSORG NOT PS
CCK1.ISPF.ISPPROF2	MVSW01		06/27/93	P0	FB	1	FILE DSORG NOT PS
CCK1.ISPF.ISPPROF3	MVSW01		06/14/93	P0	FB	2	FILE DSORG NOT PS
CCK2.CALL.FILE	MVSW01		01/07/97	PS	F	1	FILE NOT CATALOGED
CCK2.ISPF.ISPPROF0	MVSW01		06/29/93	P0	FB	1	FILE DSORG NOT PS
CCK2.ISPF.ISPPROF4	MVSW01		10/12/93	P0	FB	1	FILE DSORG NOT PS
CCK2.SMP.ISPTLIB	MVSW01		12/09/93	P0	FB	1	FILE DSORG NOT PS
DNS1.ISPF.ISPPROF5	MVSW01		12/15/92	P0	FB	3	FILE DSORG NOT PS
DNS1.ISPF.ISPPROF9	MVSW01		01/20/93	P0	FB	2	FILE DSORG NOT PS
DNS1.PC@230.MACLIB	MVSW01		01/29/93	P0	FB	49	FILE DSORG NOT PS
DNS1.PC@230.SAMPLIB	MVSW01		01/29/93	P0	FB	55	FILE DSORG NOT PS
DNS1.PIE.SAS	MVSW01		01/26/93	P0	FB	4	FILE DSORG NOT PS
DNS1.SUPERT.SAMPLIB	MVSW01		03/02/93	P0	FB	5	FILE DSORG NOT PS
DNS4.CVV231.CNTL	MVSW01		03/30/93	P0	FB	2	FILE DSORG NOT PS
DNS4.PTS310.CNTL	MVSW01		03/27/93	P0	FB	13	FILE DSORG NOT PS
DNS4.PTS310.PROCLIB	MVSW01		03/27/93	P0	FB	1	FILE DSORG NOT PS
DRR2.ISPF.ISPPROF7	MVSW01		12/01/93	P0	FB	2	FILE DSORG NOT PS
DRR2.SMP.ISPTLIB	MVSW01		10/11/93	P0	FB	1	FILE DSORG NOT PS

⑨ DASD VOLUME SERIALS EXAMINED

MVSW01  
MVSW02  
MVSW03  
MVSW04  
MVSW05  
MVSW06  
MVSW07  
MVSW08  
XOLD00

⑩ 607 NUMBER OF FILES TO BE PROCESSED

⑪ 1,933 NUMBER OF FILES REJECTED



## CARTSRPT99—Rejection Reason Report

The Rejection Reason Report lists each dataset or tape volume that was excluded from stacking. The report also includes an explanation why the dataset or tape volume was excluded.

Typically, CARTSRPT99 is a very long report. It is created by default and is useful during the initial CARTS testing phase. However, after your site's stacking procedures have been established, you may want to eliminate this report. Refer to the section titled 'Selecting Reports' of each *CARTS User Guide* for instructions to discontinue reports.

### Report Fields

Item No.	Field Name and Description
1	<b>VOLSER</b> The volume serial of the tape volume not selected for stacking.
2	<b>DATASET NAME</b> The name of the dataset that was rejected for stacking. It is stored on the tape in the VOLSER field.
3	<b>CREATE DATE</b> The Julian date the dataset was originally created.
4	<b>EXPIRATION</b> The dataset's expiration date. Values are CATALOG, PERMANENT, CYCLE/ccc, or a specific expiration date, in Julian format.
5	<b>LAST USE DATE</b> The Julian date the dataset was last accessed.
6	<b>CREATING JOBNAME</b> The name of the job that created the dataset.
7	<b>CREATING STEPNAME</b> The name of the step that created the dataset.
8	<b>REASON CODE</b> The reason code for the rejection. The reason codes are described at the beginning of the report.

# Sample Rejection Reason Report

CARTSRPT99  
 DATE 11/21/97

REJECTION REASON REPORT

PAGE 1  
 TIME 17:49

①	②	③	④	⑤	⑥	⑦	⑧
VOLSER	DATASET NAME	CREATE DATE	EXPIRATION DATE	LAST USE DATE	JOBNAME	CREATING STEPNAME	REASON CODE
050001	DMS.ARCHPRIM.DMSN.C1989233.T083125	1993/233	PERMANENT	1993/258	T\$WD001	RETAIN	39
050002	UXMT.SI.PERIOD.WMNT.BKUP.G0044V00	1997/092	CYCLE/003	1997/092	SSP311	STEP040	39
050003	SOS.UXMT.FDR.BACKUP.SYS100.G0196V00	1993/336	CYCLE/003	1993/336	SOSBK001	FDRDUMP	39
050004	XAA.SMFDUMP.G0216V00	1997/115	CYCLE/003	1997/121	T\$WM001	WEEKCPY	32
050005	DMS.ARCHPRIM.DMSN.C1989206.T202355	1993/206	PERMANENT	1993/206	T\$DD001	RETAIN	40
050006	DMS.ARCHPRIM.DMSN.C1989200.T195552	1993/200	1997/365	1993/207	T\$DD001	RETAIN	42
050007	APPRD.APWMD.HISTFILE.DA.G0187V00	1993/335	CYCLE/002	1993/341	MDW501	MDMRGHT	32
050008	APPRD.APWMD.PERYTD.DA.G0003V00	1993/008	CYCLE/002	1993/008	MDP926	DYL280	32
050009	SOS.UXMT.FDR.BACKUP.MVSN1A.G0019V00	1993/336	1995/353	1993/336	SOSBK004	FDRDUMP	40
050010	C1CS170.C1CSPCO.JRNLBKUP.G0450V00	1993/346	1997/349	1993/346	JNLBKUP	JNLBKUP	30
050011	RCPRD.RC.VSAM.BACKUP.G1796V00	1993/340	CATALOG	1993/341	RCD003	EXPORTA	30
050012	LDP.UXMT.GLI.CUM.AUDIT.BKUP.G0008V00	1993/093	CYCLE/093	1993/093	GLP200	GLSOS	31
050013	UXMT.EFS.LANETXMS.PERIOD.BACKUP.G0013V00	1992/114	CATALOG	1992/114	EF0700	SORT4B	31
050014	DMS.ARCHPRIM.DMSN.C1989346.T192423	1993/346	PERMANENT	1993/347	T\$DD001	RETAIN	40
050015	DMS.ARCHPRIM.DMSN.C1989236.T214400	1993/236	PERMANENT	1993/239	T\$DD001	RETAIN	40
050016	DMS.ARCHPRIM.DMSN.C1989324.T221417	1993/324	PERMANENT	1993/324	T\$DD001	RETAIN	40
050017	DMS.ARCHPRIM.DMSN.C1989310.T075604	1993/310	PERMANENT	1993/311	T\$WD001	RETAIN	40
050018	UXMT.MOVEMENT.BKUPINBD.G0003V00	1993/334	CATALOG	1993/334	SSW412	SSCBIM	30
050019	SOS.UXMT.FDR.BACKUP.TS0130.G0003V00	1993/268	1997/285	1993/268	T\$WD212	FDRCPK	40
050020	DMS.MERGPR11.DMSN.C1989346.T191946	1993/346	PERMANENT	1993/346	T\$DD001	MERGE	40
050021	DMS.ARCHPRIM.DMSN.C1989340.T231040	1993/340	PERMANENT	1993/340	T\$DI032	RETAIN	40
050022	APPRD.APWMD.CUMJRNL.DA.G1412V00	1992/180	CATALOG	1993/321	MDD300	A5X100	31
050023	MAPROD.CORP.SARDI.BKUP.G0006V00	1992/181	CATALOG	1993/309	MAP100	STPC	31
050024	DMS.MERGPR11.DMSN.C1989233.T140308	1993/233	PERMANENT	1993/285	T\$WD001	MERGE	40
050025	C1CS170.C1CSPCM.JRNLBKUP.G1132V00	1993/345	1997/348	1993/345	JNLBKUP	JNLBKUP	30
050026	SAREXPRS.SARTAPE.T0001452	1993/340	CATALOG	1993/340	SAREXPRS	SAREXPRS	03
050027	MAPROD.CORP.SRTD.INV.WEEKLY.G0019V00	1993/274	CATALOG	1993/314	MAW100	STPY	30
050028	UXMT.MSA.FLEXBKP.REIMB.G0034V00	1997/054	CATALOG	1997/054	MSM269	MSABKP02	31
050029	DMS.ARCHPRIM.DMSN.C1989111.T214923	1993/111	PERMANENT	1993/111	T\$DD001	RETAIN	40
050030	PMW133.PRICBOOK	1993/343	CATALOG	1993/343	PMW133	STPY	31
050031	SOS.UXMT.FDR.BACKUP.DA0020.G0119V00	1993/336	1996/353	1993/336	SOSBK001	FDRDUMP	40
050033	DMS.ARCHPRIM.DMSN.C1989083.T214103	1997/083	PERMANENT	1997/194	T\$DD001	RETAIN	40
050034	SAREXPRS.SARTAPE.T0001409	1993/327	CATALOG	1993/342	SAREXPRS	SAREXPRS	03

## CARTSRPTL1 and CARTSRPTL2 CARTS Input Control File

The CARTSRPTL1 and CARTSRPTL2 reports describe the tape volumes selected for stacking by CARTS-TS Control file parameters. These reports are produced only during CARTS installation. CARTSRPT02 is the standard Control file report, which is described on [page 20](#).

### CARTSRPTL1 Fields

Item No.	Field Name and Description
1	<b>INPUT</b> The range of volsers selected for stacking by Control file include/exclude statements.
2	<b>COMMENTS</b> Error messages, if any, regarding the listed control statement. BYPASSING NULL VOLSER RANGE is a normal message for the automatic volser ranges that are created without values. For other messages, see the <i>CARTS Messages and Codes</i> manual.

### CARTSRPTL2 FIELDS

Item No.	Field Name and Description
1	<b>RANGE #</b> The sequence number of this volser range.
2	<b>VOLUME SERIALS, FROM</b> The low volser in the range.
3	<b>VOLUME SERIALS, TO</b> The high volser in the range.
4	The type of processing to be performed for dataset name processing. This will be INCLUDE if only include statements are specified, EXCLUDE if only exclude statements are specified, or MIXED MODE if both include and exclude statements are specified.
5	<b>QUALIFIERS</b> The dataset name qualifiers specified by include or exclude statements within the Control file.
6	<b>GROUP #</b> The group number for the listed dataset. Group numbers are listed for exclude datasets, even though they are not used.



Sample CARTSRPTL2 Report

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TIME 17:49

CARTS CONTROL FILE REPORT

CARTSRPTL2  
DATE 11/21/97

① RANGE #

② VOLUME SERIALS

③

RANGE #	FROM	TO
1	000001	999999
2	000000	000000
3	000000	000000
4	000000	000000
5	000000	000000
6	000000	000000
7	000000	000000
8	000000	000000
9	000000	000000
10	000000	000000

PAGE 2  
TIME 17:49

CARTS CONTROL FILE REPORT

CARTSRPTL2  
DATE 11/21/97

④ EXCLUDE DATASET NAME PROCESSING

⑤ QUALIFIERS-----

⑥

1=JUNK

GROUP #

001



---

## CARTSRPTS1—Reset Volume Expiration Report

The Reset Volume Expiration report lists datasets verified by the CARTS-TS RESETCDS utility. RESETCDS is used as an expiration integrity check for tape libraries managed by CA-1/TMS. This report applies only to CARTS for CA-1/TMS.

By default, this report lists only those volumes that were reset by RESETCDS. To get a report that lists all datasets that were checked, edit RESETCDS located in the JCLLIB dataset. Find the EXEC statement and remove the comma before the PARM='LIMITED' parameter.

### Report Fields

Item No.	Field Name and Description
1	<b>VOLSER</b> The volume serial number reviewed.
2	<b>CONTROLLING DSN</b> File 1 on the listed tape.
3	<b>CDATE</b> The Julian date when File 1 was originally created.
4	<b>CJOB</b> The name of the job that created File 1.
5	<b>OUTC</b> The volume's location code, if it is outcoded.
6	<b>ODATE</b> The date the volume was sent offsite.
7	<b>#FILES</b> The number of files on the tape.
8	<b>ACTION</b> The action taken by RESETCDS. <b>VOLUME EXPIRATION RESET</b> File 1 has expired, but at least one file on the tape is still active. File 1's expiration is set to the latest expiration date of the active files on the tape. <b>EXPIRING ENTIRE VOLUME</b> All files on the tape have expired. CARTS-TS expires the tape. This message appears on the report only for tapes that have been previously reset by RESETCDS. <b>Note:</b> A blank entry in the ACTION field indicates RESETCDS took no action for this volume
9	This statement appears in the report if the PARM statement is set to suppress listing of volumes that were not reset.



---

Item No.	Field Name and Description
10	<b>NUMBER OF VOLS PROCESSED</b> The number of tapes analyzed by RESETCDS. This is the number of multi-file tapes in your TMS catalog.
11	<b>NUMBER OF VOLS RESET</b> The number of tapes that had a volume expiration error that was reset by RESETCDS.
12	<b>NUMBER OF VOLS EXPIRED</b> The number of volumes previously reset that may now be expired, because all the files on that volume have expired.

# Sample CARTSRPTS1 Report

①	②	③	④	⑤	⑥	⑦	⑧
CARTSRPTS1	VOLSER CONTROLLING DSN	CDATE CJOB	OUTC ODATE	#FILES	ACTION		
	050153 SYSBKUP.ADC2.SCHEDULE.BKUP.G1349V00	89343 T\$DX001		2	VOLUME EXPIRATION DATE	RESET	
	050426 DMS.SEOFILES.UNLOAD.G1122V00	89346 T\$DD001		2	VOLUME EXPIRATION DATE	RESET	
	050962 UXMT.MSC.MSCORDR.G2504V00	89220 PSBRCR		16	VOLUME EXPIRATION DATE	RESET	
	051359 UXMT.IAI.EDIT.INVFILE.G0001V00	89335 MDD491		2	VOLUME EXPIRATION DATE	RESET	
	051546 COPROD.IAI.EDIT.INVFILE.G0001V00	89321 TID491		2	VOLUME EXPIRATION DATE	RESET	
	051570 UXMT.SFI.CNDBILL.G0016V00	89043 CFW810		2	VOLUME EXPIRATION DATE	RESET	
	051649 UXMT.SFF.CNDBIL.G0009V00	89225 CCW810		7	VOLUME EXPIRATION DATE	RESET	
	051783 APPROD.APMMD.VENMSTR.BACKUP.G0652V00	89345 MDD390		6	VOLUME EXPIRATION DATE	RESET	
	052141 IMCJC.LUCKBKUP.WK36Y89	89241 IMKMMT		2	VOLUME EXPIRATION DATE	RESET	
	052160 UXMT.SFF.CNDBIL.G0010V00	89232 CCW810		7	VOLUME EXPIRATION DATE	RESET	
	052238 UXMT.MHE7.XSBKUP	89341 MH0001		11	VOLUME EXPIRATION DATE	RESET	
	052606 DMS.SEOFILES.UNLOAD.G1121V00	89345 T\$DD001		2	VOLUME EXPIRATION DATE	RESET	
	053085 APPROD.APMMD.VENMSTR.BACKUP.G0640V00	89340 MDD390		6	VOLUME EXPIRATION DATE	RESET	
	053286 SYSBKUP.CATALOG.MVSICFM.VMV5CIA.G0079V00	89345 T\$DD001		7	VOLUME EXPIRATION DATE	RESET	
	053306 UXMT.MHE7.XSBKUP	89345 MH0001		11	VOLUME EXPIRATION DATE	RESET	
	053878 UXMT.SFF.CNDBIL.G0012V00	89246 CCW810		7	VOLUME EXPIRATION DATE	RESET	
	054017 UXMT.IAI.EDIT.INVFILE.G0001V00	89340 MDD491		2	VOLUME EXPIRATION DATE	RESET	
	054120 SYSBKUP.ADC2.SCHEDULE.BKUP.G1348V00	89342 T\$DX001		2	VOLUME EXPIRATION DATE	RESET	
	054150 IMCJC.RALPBKUP.WK34Y89	89227 IMKMMT		2	VOLUME EXPIRATION DATE	RESET	
	054248 UXMT.SFF.CNDBIL.G0001V00	89169 CCW810		2	VOLUME EXPIRATION DATE	RESET	
	054365 APPROD.APMMD.VENMSTR.BACKUP.G0644V00	89341 MDD390		6	VOLUME EXPIRATION DATE	RESET	
	054713 APPROD.APMMD.VENMSTR.BACKUP.G0655V00	89347 MDD390		6	VOLUME EXPIRATION DATE	RESET	
	054794 COPROD.IAI.EDIT.INVFILE.G0001V00	89340 TID491		2	VOLUME EXPIRATION DATE	RESET	
	054945 IMCJC.LUCKBKUP.WK35Y89	89234 IMKMMT		3	VOLUME EXPIRATION DATE	RESET	
	055330 APPROD.APMMD.VENMSTR.BACKUP.G0641V00	89341 MDW540		6	VOLUME EXPIRATION DATE	RESET	
	055684 UXMT.FICHE.JSTEP02.REPORT	89344 GLP340		4	VOLUME EXPIRATION DATE	RESET	
	055881 COPROD.IAI.EDIT.INVFILE.G0001V00	89342 TID491		2	VOLUME EXPIRATION DATE	RESET	
	056432 UXMT.IAI.EDIT.INVFILE.G0001V00	89334 MDD491		2	VOLUME EXPIRATION DATE	RESET	

⑨ FULL DETAIL PRINT SUPPRESSED BY PARM  
 ONLY VOLUMES RESET/EXPIRED ARE LISTED

⑩ 8,447 NUMBER OF VOLS PROCESSED  
 ⑪ 67 NUMBER OF VOLS RESET  
 ⑫ 0 NUMBER OF VOLS EXPIRED



## CARTSU90—SMF Reduction and Extract Report

The SMF Reduction and Extract report lists the total number records read from the SMF dataset and written to an interim GDG dataset by the REBBDEP1 procedure. The report also includes individual read and write totals for SMF type 14, 15, and 30 records.

The REBDDEP2 procedure incorporates SMF records stored in the interim GDG datasets to update the Dependency file with current dataset information.

### Report Fields

Item No.	Field Name and Description
1	<b>TYPE 14 RECORDS READ</b> The number of Type 14 records read from the SMF dataset.
2	<b>TYPE 15 RECORDS READ</b> The number of Type 15 records read from the SMF dataset.
3	<b>TYPE 30 RECORDS READ</b> The number of Type 30 records read from the SMF dataset.
4	<b>TOTAL RECORDS READ</b> The total number of records read from the SMF dataset. The total may be larger than the sum of the Type 14, 15, and 30 records. Invalid and non-data records are discarded by REBBDEP1.
5	<b>TYPE 14 RECORDS SELECTED</b> The number of Type 14 records written to the interim output generation dataset.
6	<b>TYPE 15 RECORDS SELECTED</b> The number of Type 15 records written to the interim output generation dataset.
7	<b>TYPE 30 RECORDS SELECTED</b> The number of Type 30 records written to the interim output generation dataset.
8	<b>TOTAL RECORDS WRITTEN</b> The combined total of SMF type 14, 15, and 30 records written to the interim output generation dataset.

---

## Sample CARTSU90 Report

### CARTSU90 SMF REDUCTION AND EXTRACT

① TYPE 14 RECORDS READ	17,054
② TYPE 15 RECORDS READ	5,189
③ TYPE 30 RECORDS READ	39,840
④ TOTAL RECORDS READ	67,299
⑤ TYPE 14 RECORDS SELECTED	16,596
⑥ TYPE 15 RECORDS SELECTED	7
⑦ TYPE 30 RECORDS SELECTED	10,273
⑧ TOTAL RECORDS WRITTEN	26,876



## CARTSU91—Dependency Record Generation Report

The Dependency Record Generation report is generated by the REBDDEP2 procedure that updates the Dependency file. REBDDEP2 updates the Dependency file with SMF data taken from interim GDG datasets created by the REBDDEP1 procedure.

This report lists Dependency file restrictions that will be imposed on any job that attempts to stack or restack the tape volumes that these datasets are stored. The report lists pairs of datasets that cannot be stacked on the same volume because they are used by the same job or job step. The report also lists MOD datasets that can only be stacked as the last file on tape.

### Report Fields

Item No.	Field Name and Description
1	<b>DSNAME</b> The name of a dataset. This dataset is either used by the same job or job step as the dataset listed in column 2, or it is a MOD file.
2	<b>DSNAME</b> The name of a dataset, or an indicator (MOD file) that the dataset listed in column 1 is a MOD file. If a dataset name is listed, this dataset uses the same job or job step as the dataset listed in column 1.
3	<b>JOB</b> The name of the job that uses the datasets listed in columns 1 and 2. These datasets cannot be stacked on the same volume.
4	<b>STEP</b> The name of the jobstep that uses the datasets listed in columns 1 and 2. These datasets cannot be stacked on the same volume.
5	<b>PROGRAM</b> The name of a program that uses the datasets listed in columns 1 and 2. These datasets cannot be stacked on the same volume.
6	<b>TOTAL RECORDS READ</b> The total number of records read from interim output generation datasets by REBDDEP2.
7	<b>DUPLICATE TYPE 30 RECORDS SKIPPED</b> The number of duplicate SMF Type 30 records found in interim output generation datasets by REBDDEP2. Duplicate records are excluded from updating the Dependency file.

---

<b>Item No.</b>	<b>Field Name and Description</b>
<b>8</b>	<b>DEPENDENCY CONFLICT RECORDS WRITTEN</b> The number of conflict records written by REBDDEP2 to update the Dependency file. A conflict record indicates datasets that cannot be stacked on the same volume because they are used by the same job or job step.
<b>9</b>	<b>DEPENDENCY MOD RECORDS WRITTEN</b> The number of MOD records written by REBDDEP2 to update the Dependency file. A MOD record indicates an active MOD dataset that must be placed as the last file on a stacked tape volume.
<b>10</b>	<b>TOTAL RECORDS WRITTEN</b> The total number of records written by REBDDEP2 to update the Dependency file.



Sample CARTSU91 Report

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①	②	③	④	⑤
DSNAME	DSNAME	JOB	STEP	PROGRAM
PRL.WEEKLY	PRL.MASTER	PRLW50	PL355	PR6500
DUMP.ECC0547.PDS	MRM6.DUMMY.LIBRARY	ARC5	VERIFY	OATV1000
DUMP.ECC0547.PDS	MRM6.WORKFILE	ARC5	VERIFY	OATV1000
ADM4.IP051A.MSTR.ISPPROF	CS.MSTR.ISPLLIB	ADM4	VERIFY	OATV1000
CS.DAILY.TRANS	ONL.IP51A.MON.BATCH	GG25SCAN	GENIMAGE	BKALL
CS.DAILY.TRANS	ONL.IP51A.TUE.BATCH	GG25SCAN	GENIMAGE	BKALL
CS.DAILY.TRANS	ONL.IP51A.FRI.BATCH	GG25SCAN	GENIMAGE	BKALL
PAYROLL.RTEST.R160.TRANS.OLD	PAYROLL.R150D.SOURCE.COPYLIB	GG25SCAN	GENIMAGE	BKALL
MRS311.DS0EXECE	PAYROLL.R150D.SOURCE.COPYLIB	GG25SCAN	GENIMAGE	BKALL
ONL.IP051A.MSPF5	(MOD FILE)	GG25SCAN	GENIMAGE	BKALL
PAYROLL.R160D.SOURCE.BACKUP	PAYROLL.BATCH60D.TRANS	GG25SCAN	GENIMAGE	BKALL
PAYROLL.R150D.SOURCE.COPYLIB	PAYROLL.R160D.SOURCE.COPYLIB	GG25SCAN	GENIMAGE	BKALL
PAYROLL.RTEST.R160.TRANS.OLD	PAYROLL.R150D.SOURCE.COPYLIB	GG25SCAN	GENIMAGE	BKALL
PAYROLL.R160D.BATCH.TRANSIB	SYS2.COB0L2.BACKUP0	ONL1CMPL	EMLSMTPC	EGWX3500
G6SN.ARCOUT.MODIFIED.X0008661	SYS2.COB0L2.BACKUP0	ONL1CMPL	EMLSMTPC	EGWX3500
PAYROLL1.ARCOUT.MODIFIED.X0008661	SYS2.COB0L2.BACKUP0	ONL1CMPL	EMLSMTPC	EGWX3500
PAYROLL.R160D.BATCH.BACKUP0	PAYROLL1.ARCOUT.MODIFIED.X0008661	ONL1CMPL	EMLSMTPC	EGWX3500
JGM1@RP.IP51AA.MSTR	(MOD FILE)	JFN1	\$COPY	OATV1000
JGM1@RP.SOURCE	SYS.ACTIVE.COPY	JFN1	\$COPY	OATV1000
GLL2.GLLDFH41.DFHJ01A	SCHED.SYSTEMB.CAL52	GLLDFH41	TEST410	RUNCTL
GLL.MISC.BATCH	SCHED.SYSTEMB.CAL52	GLLDFH41	TEST410	RUNCTL
GLL.MISC.BATCH	SCHED.SYSTEMB.CAL52	GLLDFH41	TEST410	RUNCTL
GLL.MISC.BATCH	SCHED.SYSTEMB.CAL52	GLLDFH41	TEST410	RUNCTL
GLL2.GLLDFH41.DFHJ01B	SCHED.SYSTEMB.CAL52	GLLDFH41	TEST410	RUNCTL
GLL2.GLLDFH41.DFHJ01A	SCHED.SYSTEMB.CAL52	GLLDFH41	TEST410	RUNCTL
GLL.MISC.BATCH	SCHED.SYSTEMB.CAL52	GLLDFH41	TEST410	RUNCTL
GLL.MISC.BATCH	SCHED.SYSTEMB.CAL52	GLLDFH41	TEST410	RUNCTL
GLL.SS.LOAD410	GLL.SS.LOAD410	GLLDFH41	TEST410	RUNCTL
GLL.MISC.BATCH	GLL.VB.ASM	GLLDFH41	TEST410	RUNCTL
GLL.DYNA.BATCH	GLL.SS.LOAD410	GLLDFH41	TEST410	RUNCTL
GLL.CC.BATCH	GLL.SS.LOAD410	GLLDFH41	TEST410	RUNCTL

  

*****	TOTALS	*****
TOTAL RECORDS READ	5,353	
DUPLICATE TYPE 30 RECORDS SKIPPED	19	
DEPENDENCY CONFLICT RECORDS WRITTEN	7,959	
DEPENDENCY MOD RECORDS WRITTEN	9	
TOTAL RECORDS WRITTEN	7,968	

---

## CARTSU92—Dependency Record Filter Report

The Dependency Record Filter report summarizes the number of records that were read, written, or excluded to update the CARTS-TS Dependency file by the REBDDEP2 procedure. The records are read from the interim GDG datasets created by the REBDDEP1 procedure and the current Dependency file.

### Report Fields

Item No.	Field Name and Description
1	<b>DEPENDENCY RECORD READ</b> The total number of records that were read to update the Dependency file with current SMF dataset data. The total includes new records taken from interim GDG datasets as well as existing records that are already part of the Dependency file.
2	<b>REDUNDANT RECORDS DROPPED</b> The number of records that were excluded and not written to update the Dependency file because duplicate records already exist in the current Dependency file.
3	<b>DEPENDENCY RECORDS WRITTEN</b> The number of records written by REBDDEP2 to update the Dependency file with current dataset data.

### Sample CARTSU92 Report

CARTSU92 DEPENDENCY RECORD FILTER

① DEPENDENCY RECORD READ	8,976
② REDUNDANT RECORDS DROPPED	3,044
③ DEPENDENCY RECORDS WRITTEN	5,932











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