Estimation of Priority Mail Weight and Average Haul by Zone

Documentation and Source Code

LR-J-96

ESTIMATION OF PRIORITY MAIL WEIGHT AND AVERAGE HAUL BY ZONE

This library reference shows the calculation of a weighted average linehaul by zone traveled by Priority airclass items on commercial and network air transportation, along with total Priority pounds observed by zone. It underlies a portion of the testimony of witness Hatfield (USPS-T-18), which explains the reasons for these calculations. The output of these calculations feeds into witness Scherer's calculation of Priority Mail rates (USPS-T-30). The material in this library reference revises and/or updates materials presented in LR-I-54 in Docket No. R2000-1. This library reference was prepared by PricewaterhouseCoopers LLP. This is a category 2 library reference associated with the testimony of witness Hatfield (USPS-T-18).

Program Documentation

Study: **Estimation of Priority Mail Weight and Average Haul by Zone**
Program: **TRACSSMN.BY00.PRIORITY.BYZONE.FINAL**

III. Requirements of Computer Analysis Relied Upon

A. A general description of the program that includes:

1. *Objectives of the program:* The objective of the program is to read in air system payment data records for airclass Priority items, calculate a weighted average linehaul by zone, and sum Priority pounds by zone.
2. *Processing tasks performed:* See "Specific functions performed in TRACSSMN.BY00.PRIORITY.BYZONE.FINAL".
3. *Methods and procedures employed:* See attached program listing.
4. *A listing of the input and output data:* See attached pages describing contents and sizes of input and output data.
5. *A listing of the source codes:* See attached program code and execution log.

B. For all input data:

1. *Designation of the sources of such data:* TRACSSMN.BY00.PRIORITY.COMMERC.TEXT and TRACSSMN.BY00.PRIORITY.NETWORKS.TEXT are flatfiles derived from air system payment records for BY00.

2. *Explanation of any modifications to such data made for use in the program:* None.

C. *Definitions of all input and output variables or sets of variables:* See attached variable descriptions.

D. *A description of input and output data file organization:* Input files are in fixed width ASCII text columns. Record formats can be seen in the program listing. No output files are created.

E. *A machine-readable copy of all data bases:* TRACSSMN.BY00.PRIORITY.COMMERC.TEXT and TRACSSMN.BY00.PRIORITY.NETWORKS.TEXT are included in accompanying CD-ROM as COMMERC.TXT and NETWORK.TXT, respectively.

F. *For all source codes, documentation sufficiently comprehensive and detailed to satisfy generally accepted software documentation standards appropriate to the type of program and to its intended use in the proceedings:* See attached program and documentation.

G. *The source program in machine-readable form:* Included on accompanying CD-ROM as PRIORITY.SAS.

H. *All pertinent operating system and programming language manuals:* SAS User's Guide: Basics

I. *If the requested program is user interactive, a representative sample program run, together with any explanation necessary to illustrate the response sequence:* N/A

J. *"Canned" Statistical Packages:* SAS Version 8.1

K. *Special Requirements for Computer Simulations Models Offered in Evidence or Relied Upon as Support for Other Evidence:* N/A

Object of TRACSSMN.BY00.PRIORITY.BYZONE.FINAL

The objective of the program is to read in air payment records containing Priority weight (in pounds) and mileage data and calculate the average haul and total pounds of Priority Mail by zone.

Input Files to TRACSSMN.BY00.PRIORITY.BYZONE.FINAL

File	Description	Variables	Observations
TRACSSMN. BY00.PRIORITY. COMMERC.TEXT	Air payment records for all Priority items on commercial air flights during BY00	3	465,107
TRACSSMN. BY00.PRIORITY. NETWORKS.TEXT	Air payment records for all Priority items on network air flights during BY00	3	190,286

Variables read from TRACSSMN.BY00.PRIORITY.BYZONE.FINAL

Variable Position	Variable Name	Variable Description	Variable Format and Length
@1	PR_WT	Weight (in pounds) of items with ACT Tag Designations (also called airclass) of 'P', which are scanned for dispatch to a flight.	Numeric, 10
@20	PAYMILES	*Commercial*: For one-leg dispatches, as well as for multiple-leg dispatches on a single carrier, PAYMILES equals the Great Circle Distance (GCD) miles from origin to final destination. For multiple-leg dispatches that use multiple carriers, PAYMILES equals the sum of GCD miles for each individual leg. *Network*: For all dispatches, PAYMILES equals the GCD miles from origin to final destination.	Numeric, 5
@30	GROUP	Assigned as follows: IF PAYMILES <= 50, GROUP='ZONE 1' IF 50 < PAYMILES <= 150, GROUP='ZONE 2'; IF 150 < PAYMILES <= 300, GROUP='ZONE 3' IF 300 < PAYMILES <= 600, GROUP='ZONE 4' IF 600 < PAYMILES <= 1000, GROUP='ZONE 5' IF 1000 < PAYMILES <= 1400, GROUP='ZONE 6' IF 1400 < PAYMILES <= 1800 THEN GROUP='ZONE 7' IF PAYMILES > 1800 THEN GROUP='ZONE 8'	Character, 8

Specific Functions Performed in Program TRACSSMN.BY00.PRIORITY.BYZONE.FINAL

The following actions are performed by the program:

- Reads in air payment record files for items with the ACT Tag designation (airclass) of 'P' and sorts data by zone (variable GROUP). (Ls. 1-18)
- Calculates average PAYMILES by zone, weighted by pounds (variable PR_WT). (Ls. 20-22)
- Merges the average haul for each zone back onto records at the item level. (Line 26)
- Calculates total Priority Mail pounds for each zone. (Ls. 28-30)
- Prints final results. (Ls. 32-34)

TRACSSMN.BY00.PRIORITY.BYZONE.FINAL Program Execution Log

```
1                    J E S 2  J O B  L O G  --  S Y S T E M  S M P B  --  N O D E  S M 1
0
 13.53.31 JOB18830 ---- FRIDAY,    07 SEP 2001 ----
 13.53.31 JOB18830  $HASP373 H35007V  STARTED - WLM INIT  - SRVCLASS BATCHSTD - SYS SMPB
 13.53.31 JOB18830  ACF9CCCD USERID H35007   IS ASSIGNED TO THIS JOB - H35007V
 13.53.31 JOB18830  IEF196I ACF9CCCD USERID H35007   IS ASSIGNED TO THIS JOB - H35007V
 13.53.31 JOB18830  USRUJI-01 JOB H35007V  USING LOGONID H35007
 13.53.31 JOB18830  IEF196I USRUJI-01 JOB H35007V  USING LOGONID H35007
 13.53.31 JOB18830  IEF403I H35007V - STARTED - TIME=13.53.31
 13.54.45 JOB18830  -                                                --TIMINGS (MINS.)--            ----PAGING COUNTS---
 13.54.45 JOB18830  -JOBNAME  STEPNAME PROCSTEP    RC   EXCP   CONN    TCB    SRB  CLOCK   SERV  PG  PAGE  SWAP   VIO SWAPS
 13.54.45 JOB18830  -H35007V  S01      SAS8        00  23941  44956    .21    .00    1.2   153K   0     0     0     0     0
 13.54.45 JOB18830  IEF404I H35007V - ENDED - TIME=13.54.45
 13.54.45 JOB18830  -H35007V  ENDED.  NAME-PRAVGHAUL            TOTAL TCB CPU TIME=   .21  TOTAL ELAPSED TIME=   1.2
 13.54.45 JOB18830  $HASP395 H35007V  ENDED
0------ JES2 JOB STATISTICS ------

-  07 SEP 2001 JOB EXECUTION DATE

-           48 CARDS READ

-          350 SYSOUT PRINT RECORDS

-            0 SYSOUT PUNCH RECORDS

-           17 SYSOUT SPOOL KBYTES

-         1.24 MINUTES EXECUTION TIME

        1 //H35007V JOB (LAT00),'PRAVGHAUL',CLASS=A,NOTIFY=H35007,MSGCLASS=T      JOB18830
          //* $ACFJ219 ACF2 ACTIVE SM1                                             ACF2
          //*
          //*  PRIORITY BY ZONE - FY00
          //*
          //*  THIS PROGRAM READS IN THE AIR PAYMENT DATA AND SUMMARIZES PREPARES
          //*  IT FOR GROUPING IT INTO ZONES.
          //*
          //*
        2 //S01 EXEC SAS,PARM='NOCENTER NODATE NONUMBER LS=132 PS=10000'
        3 XXSAS8 PROC ENTRY=SASXA1,
          XX             CONFIG=NULLFILE,
          XX             LOAD='*.NULLPDS,VOL=REF=*.NULLPDS',
          XX             SASAUTO='*.NULLPDS,VOL=REF=*.NULLPDS',
          XX             OPTIONS=,
          XX             SORT=4,
          XX             DB2SYS=DPR0,
          XX             WORK='500,200'
          XX*********************************************************************
          XX*  PRODUCT: MVS SAS RELEASE 8                                       **
          XX*  DOCUMENTATION: SAS COMPANION FOR THE MVS ENVIRONMENT, VERSION 8 **
          XX*  FROM: SAS INSTITUTE INC., SAS CAMPUS DRIVE, CARY, NC 27513 USA  **
          XX*********************************************************************
        4 XXSAS8     EXEC PGM=&ENTRY,PARM='SORT=&SORT &OPTIONS',REGION=4096K
          IEFC653I SUBSTITUTION JCL - PGM=SASXA1,PARM='SORT=4 ',REGION=4096K
        5 XXNULLPDS   DD DISP=(NEW,PASS),DSN=&&NULLPDS,UNIT=WORK,
          XX             SPACE=(TRK,(1,1,1)),DCB=BLKSIZE=6160,DSNTYPE=PDS
```

```
       6 XXSTEPLIB   DD DISP=(SHR,PASS),DSN=&LOAD
         IEFC653I SUBSTITUTION JCL - DISP=(SHR,PASS),DSN=*.NULLPDS,VOL=REF=*.NULLPDS
       7 XX          DD DISP=SHR,DSN=SAS.V8R1.LIBRARY
       8 XX          DD DISP=SHR,DSN=SYS3X.DB2.&DB2SYS..LOAD           FOR DB2
         IEFC653I SUBSTITUTION JCL - DISP=SHR,DSN=SYS3X.DB2.DPR0.LOAD
       9 XX          DD DISP=SHR,DSN=SYS3.&DB2SYS..DSNEXIT             FOR DB2
         IEFC653I SUBSTITUTION JCL - DISP=SHR,DSN=SYS3.DPR0.DSNEXIT
      10 XXCTRANS    DD DISP=SHR,DSN=SAS.V8R1.SASC.TRANSLIB
         XX**  UNCOMMENT/SUPPLY YOUR DSN IF YOU NEED TO CONCATENATE SORT LIB
         XX**      DD DISP=SHR,DSN=SYS1.SORT.LINKLIB
      11 XXCONFIG  DD DISP=SHR,DSN=SAS.V8R1.CNTL(BATCH)
      12 XX        DD DISP=SHR,DSN=&CONFIG
         IEFC653I SUBSTITUTION JCL - DISP=SHR,DSN=NULLFILE
      13 XXSASAUTOS  DD DISP=(SHR,PASS),DSN=&SASAUTO
         IEFC653I SUBSTITUTION JCL - DISP=(SHR,PASS),DSN=*.NULLPDS,VOL=REF=*.NULLPDS
      14 XX          DD DISP=SHR,DSN=SAS.V8R1.AUTOLIB
      15 XXSASHELP   DD DISP=SHR,DSN=SAS.V8R1.SASHELP
      16 XXSASMSG    DD DISP=SHR,DSN=SAS.V8R1.SASMSG
      17 //WORK DD UNIT=DISK,SPACE=(CYL,(2000,200),,,ROUND)
         X/WORK      DD UNIT=DISK,SPACE=(6144,(&WORK),,,ROUND),
         X/             DCB=(RECFM=FS,LRECL=6144,BLKSIZE=6144,DSORG=PS)
         IEFC653I SUBSTITUTION JCL - UNIT=DISK,SPACE=(6144,(500,200),,,ROUND),DCB=(RECFM=FS,LRECL=6144,BLKSIZE=6144,
         DSORG=PS)
      18 XXSASLOG    DD SYSOUT=*
      19 XXSASCLOG   DD SYSOUT=*
      20 XXSASLIST   DD SYSOUT=*
      21 XXSASPARM   DD UNIT=DISK,SPACE=(400,(100,300)),
         XX             DCB=(RECFM=FB,LRECL=80,BLKSIZE=400,BUFNO=1)
      22 XXSYSUDUMP  DD SYSOUT=*
         XX**  ADD A LINE LIKE THE FOLLOWING TO CREATE A MACHINE-READABLE DUMP
         XX*SYSMDUMP DD DSN=DUMP,UNIT=SYSDA,DISP=(NEW,CATLG),SPACE=(TRK,(20,5))
      23 //SYSOUT  DD SYSOUT=*
      24 //IN1     DD DSN=TRACSSMN.BY00.PRIORITY.COMMERC.TEXT,DISP=SHR
      25 //IN2     DD DSN=TRACSSMN.BY00.PRIORITY.NETWORKS.TEXT,DISP=SHR
      26 //SYSIN   DD *
 STMT NO. MESSAGE
        2 IEFC001I PROCEDURE SAS WAS EXPANDED USING SYSTEM LIBRARY SYS3.PROCLIB
IEF236I ALLOC. FOR H35007V SAS8 S01
IGD101I SMS ALLOCATED TO DDNAME (NULLPDS )
        DSN (SYS01250.T135331.RA000.H35007V.NULLPDS.H02  )
        STORCLAS (SCVIO) MGMTCLAS (        ) DATACLAS (        )
        VOL SER NOS= VIO
IGD103I SMS ALLOCATED TO DDNAME STEPLIB
IGD103I SMS ALLOCATED TO DDNAME
IEF237I 0950 ALLOCATED TO
IGD103I SMS ALLOCATED TO DDNAME
IGD103I SMS ALLOCATED TO DDNAME CTRANS
IGD103I SMS ALLOCATED TO DDNAME CONFIG
IEF237I DMY  ALLOCATED TO
IGD103I SMS ALLOCATED TO DDNAME SASAUTOS
IGD103I SMS ALLOCATED TO DDNAME
IGD103I SMS ALLOCATED TO DDNAME SASHELP
IGD103I SMS ALLOCATED TO DDNAME SASMSG
IGD101I SMS ALLOCATED TO DDNAME (WORK    )
        DSN (SYS01250.T135331.RA000.H35007V.R0275847     )
        STORCLAS (SCVIO) MGMTCLAS (        ) DATACLAS (        )
        VOL SER NOS= W0AA22
IEF237I JES2 ALLOCATED TO SASLOG
```

```
IEF237I JES2 ALLOCATED TO SASCLOG
IEF237I JES2 ALLOCATED TO SASLIST
IGD101I SMS ALLOCATED TO DDNAME (SASPARM )
        DSN (SYS01250.T135331.RA000.H35007V.R0275848     )
        STORCLAS (SCVIO) MGMTCLAS (        ) DATACLAS (        )
        VOL SER NOS= VIO
IEF237I JES2 ALLOCATED TO SYSUDUMP
IEF237I JES2 ALLOCATED TO SYSOUT
IGD103I SMS ALLOCATED TO DDNAME IN1
IGD103I SMS ALLOCATED TO DDNAME IN2
IEF237I JES2 ALLOCATED TO SYSIN
IGD104I SAS.V8R1.SASC.TRANSLIB                          RETAINED,  DDNAME=CTRANS
IGD103I SMS ALLOCATED TO DDNAME CTRANS
IEF237I B889 ALLOCATED TO SYS00001
IEF237I C005 ALLOCATED TO SYS00002
IGD103I SMS ALLOCATED TO DDNAME SYS00003
IGD104I SAS.V8R1.NEWS                                   RETAINED,  DDNAME=SYS00003
IEF237I 3359 ALLOCATED TO SORTLIB
IGD101I SMS ALLOCATED TO DDNAME (SASSWK03)
        DSN (SYS01250.T135355.RA000.H35007V.R0275903     )
        STORCLAS (SCWORK) MGMTCLAS (        ) DATACLAS (        )
        VOL SER NOS= W0AB24
IGD101I SMS ALLOCATED TO DDNAME (SASSWK02)
        DSN (SYS01250.T135355.RA000.H35007V.R0275904     )
        STORCLAS (SCWORK) MGMTCLAS (        ) DATACLAS (        )
        VOL SER NOS= W0AB18
IGD101I SMS ALLOCATED TO DDNAME (SASSWK01)
        DSN (SYS01250.T135355.RA000.H35007V.R0275905     )
        STORCLAS (SCWORK) MGMTCLAS (        ) DATACLAS (        )
        VOL SER NOS= W0AA13
IGD101I SMS ALLOCATED TO DDNAME (SASSWK04)
        DSN (SYS01250.T135359.RA000.H35007V.R0275914     )
        STORCLAS (SCWORK) MGMTCLAS (        ) DATACLAS (        )
        VOL SER NOS= W0AA42
IGD105I SYS01250.T135359.RA000.H35007V.R0275914      DELETED,   DDNAME=SASSWK04
IEF285I   SAS.V8R1.SASHELP                             KEPT
IEF285I   VOL SER NOS= S0A1J1.
IEF285I   SYS01250.T135331.RA000.H35007V.R0275847      KEPT
IEF285I   VOL SER NOS= W0AA22.
IEF142I H35007V SAS8 S01 - STEP WAS EXECUTED - COND CODE 0000
IGD104I SAS.V8R1.LIBRARY                               RETAINED,  DDNAME=
IEF285I   SYS3X.DB2.DPR0.LOAD                          KEPT
IEF285I   VOL SER NOS= S09000.
IGD104I SYS3.DPR0.DSNEXIT                              RETAINED,  DDNAME=
IGD104I SAS.V8R1.CNTL                                  RETAINED,  DDNAME=CONFIG
IGD104I SAS.V8R1.AUTOLIB                               RETAINED,  DDNAME=
IGD104I SAS.V8R1.SASHELP                               RETAINED,  DDNAME=SASHELP
IGD104I SAS.V8R1.SASMSG                                RETAINED,  DDNAME=SASMSG
IGD105I SYS01250.T135331.RA000.H35007V.R0275847      DELETED,   DDNAME=WORK
IEF285I   H35007.H35007V.JOB18830.D0000102.?           SYSOUT
IEF285I   H35007.H35007V.JOB18830.D0000103.?           SYSOUT
IEF285I   H35007.H35007V.JOB18830.D0000104.?           SYSOUT
IGD105I SYS01250.T135331.RA000.H35007V.R0275848      DELETED,   DDNAME=SASPARM
IEF285I   H35007.H35007V.JOB18830.D0000105.?           SYSOUT
IEF285I   H35007.H35007V.JOB18830.D0000106.?           SYSOUT
IGD104I TRACSSMN.BY00.PRIORITY.COMMERC.TEXT            RETAINED,  DDNAME=IN1
IGD104I TRACSSMN.BY00.PRIORITY.NETWORKS.TEXT           RETAINED,  DDNAME=IN2
IEF285I   H35007.H35007V.JOB18830.D0000101.?           SYSIN
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IGD104I SAS.V8R1.SASC.TRANSLIB                        RETAINED,  DDNAME=CTRANS
IEF285I   SYS1.SORTLIB                                  KEPT
IEF285I   VOL SER NOS= S0FXB7.
IGD105I SYS01250.T135355.RA000.H35007V.R0275903       DELETED,   DDNAME=SASSWK03
IGD105I SYS01250.T135355.RA000.H35007V.R0275904       DELETED,   DDNAME=SASSWK02
IGD105I SYS01250.T135355.RA000.H35007V.R0275905       DELETED,   DDNAME=SASSWK01
IEF373I STEP/SAS8    /START 2001250.1353
IEF374I STEP/SAS8    /STOP  2001250.1354 CPU    0MIN 12.85SEC SRB    0MIN 00.56SEC VIRT  2012K SYS   284K EXT   13444K SYS    9032K
IGD105I SYS01250.T135331.RA000.H35007V.NULLPDS.H02    DELETED,   DDNAME=NULLPDS
IEF375I  JOB/H35007V /START 2001250.1353
IEF376I  JOB/H35007V /STOP  2001250.1354 CPU    0MIN 12.85SEC SRB    0MIN 00.56SEC
1The SAS System

NOTE: Copyright (c) 1999-2000 by SAS Institute Inc., Cary, NC, USA.
NOTE: SAS (r) Proprietary Software Release 8.1 (TS1M0)
      Licensed to US POSTAL SERVICE, Site 0039790002.
NOTE: This session is executing on the OS/390 V02R10M00 platform.

NOTE: Running on AMDAHL Model 9672 Serial Number 013635,
                 AMDAHL Model 9672 Serial Number 113635,
                 AMDAHL Model 9672 Serial Number 213635,
                 AMDAHL Model 9672 Serial Number 313635,
                 AMDAHL Model 9672 Serial Number 413635,
                 AMDAHL Model 9672 Serial Number 513635,
                 AMDAHL Model 9672 Serial Number 613635,
                 AMDAHL Model 9672 Serial Number 713635,
                 AMDAHL Model 9672 Serial Number 813635.


  Welcome to the SAS Information Delivery System,



        888      8      Release 8.1!
       8   8    88
       8   8     8
        8 8      8
          8      8
  88    8 8      8     This is the latest version of SAS.V8R1
 8  8  8   8     8     If you experience any problems contact
 8     8   8  8  8
 8      888   8  8


NOTE: The SASUSER library was not specified. SASUSER library will now be the same as the WORK library.
NOTE: All data sets and catalogs in the SASUSER library will be deleted at the end of the session.  Use the NOWORKTERM option to
      prevent their deletion.

NOTE: SAS system options specified are:
      NOCENTER NODATE NONUMBER LS=132 PS=10000

NOTE: The initialization phase used 0.05 CPU seconds and 7170K.
1
2          DATA COMMERC; INFILE IN1 MISSOVER;
3           INPUT
4            @ 1 PR_WT 10.
```

```
5            @ 20 PAYMILES 5.
6            @ 30 GROUP $ 8.;
7            NET='COMMERCIAL';
8

NOTE: The infile IN1 is:
      Dsname=TRACSSMN.BY00.PRIORITY.COMMERC.TEXT,
      Unit=3390,Volume=P0FCKX,Disp=SHR,Blksize=27920,
      Lrecl=80,Recfm=FB

NOTE: 465107 records were read from the infile IN1.
NOTE: The data set WORK.COMMERC has 465107 observations and 4 variables.
NOTE: The DATA statement used 1.89 CPU seconds and 7707K.

9          DATA NETWORK; INFILE IN2 MISSOVER;
10          INPUT
11           @ 1 PR_WT 10.
12           @ 20 PAYMILES 5.
13           @ 30 GROUP $ 8.;
14           NET='NETWORK';
15

NOTE: The infile IN2 is:
      Dsname=TRACSSMN.BY00.PRIORITY.NETWORKS.TEXT,
      Unit=3390,Volume=P0FCC1,Disp=SHR,Blksize=6200,
      Lrecl=200,Recfm=FB

NOTE: 190286 records were read from the infile IN2.
NOTE: The data set WORK.NETWORK has 190286 observations and 4 variables.
NOTE: The DATA statement used 0.80 CPU seconds and 7707K.

16         DATA FY00; SET COMMERC NETWORK;
17

NOTE: There were 465107 observations read from the data set WORK.COMMERC.
NOTE: There were 190286 observations read from the data set WORK.NETWORK.
NOTE: The data set WORK.FY00 has 655393 observations and 4 variables.
NOTE: The DATA statement used 1.16 CPU seconds and 7963K.

18         PROC SORT DATA=FY00; BY NET GROUP;
19

WARNING: SORTDEV=SYSDA is a group (esoteric) unit name, which may include more than one device type. To calculate the space
         requirements of the sort work files, the device characteristics of the WORK file (generic device type 3390)
         will be used instead, which may not match the device type to which the sort work files will be allocated. Specify a device

         type (generic) unit name instead.
NOTE: 20 cylinders dynamically allocated on SYSDA for each of 3 sort work data sets.
NOTE: There were 655393 observations read from the data set WORK.FY00.
NOTE: The data set WORK.FY00 has 655393 observations and 4 variables.
NOTE: The PROCEDURE SORT used 2.27 CPU seconds and 8055K.

20         PROC MEANS NOPRINT DATA=FY00; BY NET GROUP;
21          VAR PAYMILES; WEIGHT PR_WT;
22            OUTPUT OUT=AVGHAUL MEAN=AVGHAUL;
23

NOTE: There were 655393 observations read from the data set WORK.FY00.
```

```
NOTE: The data set WORK.AVGHAUL has 16 observations and 5 variables.
NOTE: The PROCEDURE MEANS used 1.15 CPU seconds and 8391K.

24         PROC SORT DATA=AVGHAUL; BY NET GROUP;
25

NOTE: There were 16 observations read from the data set WORK.AVGHAUL.
NOTE: The data set WORK.AVGHAUL has 16 observations and 5 variables.
NOTE: The PROCEDURE SORT used 0.00 CPU seconds and 8391K.

26         DATA FY00; MERGE FY00 AVGHAUL; BY NET GROUP;
27

NOTE: There were 655393 observations read from the data set WORK.FY00.
NOTE: There were 16 observations read from the data set WORK.AVGHAUL.
NOTE: The data set WORK.FY00 has 655393 observations and 7 variables.
NOTE: The DATA statement used 3.87 CPU seconds and 8391K.

28         PROC MEANS NOPRINT DATA=FY00; BY NET GROUP;
29             VAR PR_WT; ID AVGHAUL;
30             OUTPUT OUT=AVGHAUL SUM=TOTWT;
31

NOTE: There were 655393 observations read from the data set WORK.FY00.
NOTE: The data set WORK.AVGHAUL has 16 observations and 6 variables.
NOTE: The PROCEDURE MEANS used 1.58 CPU seconds and 8391K.

32         PROC PRINT DATA=AVGHAUL; FORMAT TOTWT COMMA17. AVGHAUL COMMA15.2;
33         TITLE 'COMMERCIAL/NETWORK AIR PRIORITY POUNDS AND AVG HAUL
34         BY ZONE'; BY NET; VAR GROUP TOTWT AVGHAUL; SUM TOTWT;
NOTE: There were 16 observations read from the data set WORK.AVGHAUL.
NOTE: The PROCEDURE PRINT printed page 1.
NOTE: The PROCEDURE PRINT used 0.02 CPU seconds and 9430K.

NOTE: The SAS session used 12.80 CPU seconds and 9430K.
NOTE: SAS Institute Inc., SAS Campus Drive, Cary, NC USA 27513-2414
1COMMERCIAL/NETWORK AIR PRIORITY POUNDS AND AVG HAUL                    BY ZONE

NET=COMMERCIAL

Obs     GROUP                 TOTWT            AVGHAUL

  1     ZONE 1              197,791              44.96
  2     ZONE 2              635,624             124.06
  3     ZONE 3            9,947,323             244.65
  4     ZONE 4           92,239,566             483.75
  5     ZONE 5          196,442,371             786.43
  6     ZONE 6          104,594,856           1,189.78
  7     ZONE 7           94,408,830           1,595.85
  8     ZONE 8          230,532,682           2,810.03
---               -----------------
NET                   728,999,043


NET=NETWORK

Obs     GROUP                 TOTWT            AVGHAUL
```

9	ZONE 1	1,338	27.33
10	ZONE 2	640,966	126.29
11	ZONE 3	7,183,745	247.48
12	ZONE 4	54,675,656	483.97
13	ZONE 5	176,669,894	815.34
14	ZONE 6	130,402,963	1,152.40
15	ZONE 7	78,213,762	1,580.89
16	ZONE 8	171,111,375	2,577.88
---		---	
NET		618,899,699	
		1,347,898,742	