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FDCD WORKING PAPER

An FDCD Working Paper

EZPSD: A System to Access
the Foreign Agricultural Service's
PSD Data Base

by

Walter R. Houser

March 1979

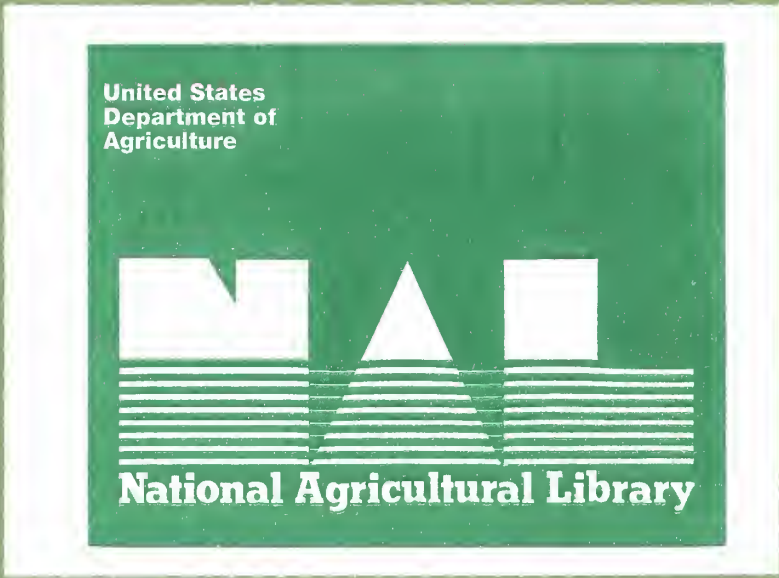
Foreign Demand and
Competition Division



Economics, Statistics, and Cooperatives Service

U.S. Department of Agriculture

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MID-LEVEL PRACTICE

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INTRODUCTION

The EZPSD procedure is designed to meet three needs. The first is to make available to SPEAKEZ users the Foreign Agricultural Service's Production, Supply and Distribution (PSD) data base. The SPEAKEZ/FEDEASY routines are powerful statistical, econometric, and mathematical tools that will greatly enhance the capabilities of USDA analysts working with the PSD data. The second need is to provide an inexpensive but flexible means of listing the FAS data. The EASYSTRIEVE package is used to accomplish this at considerably less cost and greater ease than possible with FORESIGHT or SPEAKEZ. However, knowledge of EASYTRIEVE is not usually required. The third and final need is ancillary to retrieving the FAS PSD data. It is to provide batch processing of SPEAKEZ commands from the interactive terminal.

Given the sensitivity of the contents of the FAS PSD data base, the information generated by these routines should not be released to the public without the approval of the Director of the responsible FAS commodity division.

Once in READY mode (using ERSPROC) the EZPSD procedure is entered by typing EZPSD. If you are unfamiliar with what an EZPSD routine will do, type HELP. The country and commodity codes are to be found in Appendices B through D, but they are also available in the Index to the FAS PSD Data Base. The following general points pertain to all batch jobs:

- 1) The batch jobname can be up to 8 characters of your choosing (per organizational standards).
- 2) Before using EZPSD you should know your 10 digit account number.
- 3) You are encouraged to submit batch jobs as priority 1 (weekend) at one third of the regular cost with overnight turnaround under normal circumstances.
- 4) When generating XEROX output, you should notify the remote terminal operator and complete the appropriate forms.
- 5) Only if a job is exceptionally long will a job class other than C be required. (For example, a seven commodity GOL region report (routine SUMRGN) should be run under class D).
- 6) If you are submitting more than one batch job, EZPSD will remember this JCL information from the previous batch job. To repeat this information, send a carriage return when prompted for an entry.

SUMMARY OF EZPSD ROUTINES

<u>EZPSD Routine</u>	<u>Description</u>
BRIDGE	will place into a CHECKPOINT or SPEKSAVE file PSD data for a particular country and commodity with attributes of your choice.
CMDY	will list all country data for a specified commodity. A report format must exist (see MAKERPT).
CTRY	will list all commodity data for a specified country.
MAKERPT	will permit creation and/or change of the report formats used in CMDY, RGN, SUM and SR.
RGN	will list the commodity data by GOL region. (See Appendix A)
SPKBATCH	will allow creation and/or change of SPEAKEZ commands then submit them for batch execution.
SPKROG	is like BRIDGE but will also allow the user to execute your own SPEAKEZ program on the PSD data.
SUMRGN	will aggregate several commodities using a common report format and list them by GOL region aggregation.
SUM	will aggregate several commodities using a common report format, and list them by country.
TRENDS	is like BRIDGE but will also run time trends using four OLS functional forms: T, T**2, T**3, and log of y
QUIT	will end execution of EZPSD procedure



BRIDGE

DESCRIPTION:

The BRIDGE routine will place FAS PSD data into a CHECKPOINT file for use in SPEAKEZ. This routine will ask you for a country name, its 2 character OASIS country code, its 3 digit FAS country code, the commodity name, its 2 character OASIS commodity code and its 7 digit FAS commodity number. Please see Appendix D for the country codes, and Appendix B for the commodity codes.

Next, the routine requests the attribute codes desired. Please see Appendix C for the attribute codes. Either FAS or OASIS 3 character codes (PRO, BSK, SPC, SCC, etc) may be used. A vector of years is automatically created with the attribute code of YER. Each data vector is assigned a 7 letter SPEAKEZ name with the first two characters being the commodity code, the next three characters the attribute code, and the last two characters the country code.

If production and rough production are specified, then their ratio is calculated with an attribute of YMR. If production and area harvested are specified, then their ratio is calculated with an attribute code of YHH. The commodity and country names are placed in XXYYNAM, the data vector names are elements in XXYYLST, and the argument list (see the SPEAKEZ manual) is XXYYARG, where XX is the commodity code and YY is the country code. The variables XXYNAM, XXYYLST and XXYYARG are placed in the checkpoint file with the data.

(See the example on the next page).



Example of BRIDGE

WELCOME TO THE EIPSD SYSTEM.
F.A.S. PSD DATA OBTAINED HERE IS NOT FOR RELEASE
UNLESS CLEARED BY F.A.S. COMMODITY DIVISIONS.

ENTER ROUTINE CODE (QUIT OR HELP)

BRIDGE

THIS IS A PSD BRIDGE TO SPEAKEZ

ENTER THE COUNTRY NAME

AUSTRALIA

ENTER THE 2 CHARACTER OASIS COUNTRY CODE

AU

ENTER THE 3 DIGIT FAS COUNTRY CODE

602

ENTER THE COMMODITY NAME

GRAIN SORGHUM

ENTER THE 2 CHARACTER OASIS COMMODITY CODE

SG

ENTER THE 7 DIGIT FAS COMMODITY CODE

2111050

GRAIN SORGHUM DATA FOR AUSTRALIA WILL BE SAVED ON ER345.SGAU.SPEKBAUS

THE FAS COMMODITY CODE IS ...2111050 AND COUNTRY CODE IS 602.

IS THIS CORRECT? (Y OR N)

Y
ENTER NO MORE THAN 7 PSD 3 CHARACTER ATTRIBUTE CODES
IN THIS FORMAT: AHH,SPR,SPC,SMC,UMC,UDC,OOT

THE YEAR INDEX IS AUTOMATICALLY 80YERAU. IF THE
CODES ARE UNCHANGED FROM THE PRECEDING BRIDGE, ENTER SAME.

HAR,PRO,BSK,EXP,US1,US2,APP

HAR,PRO,BSK,EXP,US1,US2,APP

IS THIS CORRECT? (Y OR N)

Y

ENTER THE JOBNAME

ER30WH

ENTER YOUR 10 DIGIT ACCOUNT NUMBER

0123456789

ENTER THE NUMBER OF COPIES DESIRED

1

ENTER THE REMOTE TERMINAL (RMT13 FOR ESCS OR RMT3 FOR FAS)

RMT13

IS THE OUTPUT TO BE ON MEROM? (Y OR N)

N

WHAT IS YOUR PRIORITY?

0 FOR WEEKEND, 3 FOR AVERAGE, AND 13 FOR ASAP)

1

WHAT IS THE JOB CLASS? (USUALLY C)

C

JOBNAME=ER30WH ACCOUNT# = 0123456789 COPIES=1
ROUTE=RMT13 FORM=1431 PRIORITY=1 CLASS=C

IS THIS CORRECT? (Y OR N)

Y

THE VARIABLE NAMES ARE ELEMENTS OF SGAULST AND AND THEY ARE IN AN ARGUMENT LIST
CALLED SGAUARG.

JOB ER30WH(JOB02176) SUBMITTED ** FREE ALL FILES **

ENTER ROUTINE CODE (QUIT OR HELP)

QUIT

THANK YOU FOR USING EIPSD

READY

CMDY

DESCRIPTION:

The CMDY (commodity) routine will submit a batch job that will list the FAS PSD data for a specified commodity. The listing will include data for all countries in the data base, even those that are not currently maintained by FAS. You must enter the 7 digit FAS commodity code and the one letter report type. The routine will ask you if a standard report format is to be used. If not, it will ask for the name of file where your non-standard formats are kept. A report format of this code and type must exist, but if not, you may create such a report format using MAKERPT.

EXAMPLE:

```
ENTER ROUTINE CODE (QUIT OR HELP)
CMDY
THIS IS A COMMODITY BATCH RUN
ENTER THE 7 DIGIT FAS PSD COMMODITY NUMBER
8888888
ENTER THE ONE LETTER REPORT TYPE
A
ARE YOU USING THE STANDARD REPORT FORMATS? (Y OR N)
Y
ENTER THE JOBNAME
ERS3WH
ENTER YOUR 10 DIGIT ACCOUNT NUMBER
0123456789
ENTER THE NUMBER OF COPIES DESIRED
1
ENTER THE REMOTE TERMINAL (RMT13 FOR ESCS OR RMT3 FOR FAS)
RMT13
IS THE OUTPUT TO BE ON XEROX? (Y OR N)
N
WHAT IS YOUR PRIORITY?
(1 FOR WEEKEND, 3 FOR AVERAGE, AND 13 FOR ASAP)
3
WHAT IS THE JOB CLASS? (USUALLY C)
C

      JOBNAME=ERS3WH  ACCOUNT= 0123456789  COPIES=1
      ROUTE=RMT13  FORM=1431  PRIORITY=3  CLASS=C

IS THIS CORRECT? (Y OR N)
Y
JOB ERS3WH(03888775) SUBMITTED  **  FREE ALL FILES  **
```



4/05/79

EGGS (5920900) SUPPLY AND DISTRIBUTION, STOCKS AND USE FIELDS MAY BE TRUNCATED
FOREIGN AGRICULTURAL SERVICE P.S.D. DATA IS NOT FOR RELEASE

PAGE 17

FRANCE FRA 427

YEAR	NUMBER OF LAYERS IN MILL HEAD	PRODUCTION	BEGINNING STOCKS	TOTAL IMPORTS	TOTAL EXPORTS	MATCHING	SHELL	OTHER USES	TOTAL DOMESTIC USE	ENDING STOCKS
1964	61,000	9,970,000	70,000	40,000	149,000	370,000	8,800,000	700,000	9,870,000	70,000
1965	61,000	9,940,000	70,000	100,000	150,000	390,000	8,780,000	740,000	9,910,000	50,000
1966	61,000	10,020,000	50,000	150,000	140,000	400,000	8,740,000	830,000	9,970,000	110,000
1967	63,000	10,470,000	110,000	90,000	190,000	400,000	9,180,000	810,000	10,390,000	90,000
1968	62,000	10,440,000	90,000	230,000	180,000	410,000	9,240,000	870,000	10,520,000	60,000
1969	61,000	10,710,000	60,000	330,000	240,000	440,000	9,380,000	990,000	10,790,000	70,000
1970	62,000	11,230,000	70,000	460,000	280,000	460,000	9,840,000	1,060,000	11,360,000	120,000
1971	61,300	11,060,000	120,000	460,000	220,000	470,000	9,680,000	1,180,000	11,330,000	90,000
1972	62,000	11,490,000	90,000	460,000	200,000	540,000	9,910,000	1,340,000	11,790,000	50,000
1973	64,000	12,280,000	50,000	190,000	470,000	570,000	9,980,000	1,450,000	12,000,000	50,000
1974	65,000	12,530,000	50,000	140,000	610,000	580,000	9,890,000	1,550,000	12,020,000	90,000
1975	64,000	13,120,000	90,000	160,000	770,000	600,000	250,000	1,680,000	12,530,000	70,000
1976	64,000	12,890,000	70,000	260,000	490,000	630,000	450,000	1,710,000	12,690,000	40,000
1977	62,000	12,670,000	40,000	480,000	360,000	650,000	400,000	1,750,000	12,800,000	30,000
1978	64,000	13,050,000	30,000	530,000	290,000	690,000	800,000	1,800,000	13,290,000	30,000
1979	65,000	13,450,000	30,000	550,000	300,000	710,000	1,100,000	1,890,000	13,700,000	30,000

1
0

1



CTRY

DESCRIPTION:

The CTRY (country) routine will submit a batch job that will list all the commodity data for a specified country. The listing will include data for all commodities in the data base, even those that are not currently maintained by FAS. You only enter the 3 digit FAS country code; no report format is required. Since a generalized supply and utilization table is employed, you should be alert to the possible truncation of the high order (greater than 9,999,999) digits of the following fields: beginning stocks, ending stocks and uses one, two and three. The report headings are the attribute codes (see Appendix C) which will vary in meaning by commodity. Contact the FAS commodity division for the precise significance of the attribute fields.

EXAMPLE:

```
ENTER ROUTINE CODE (QUIT OR HELP)
CTRY
THIS IS A COUNTRY BATCH RUN
ENTER THE 3 DIGIT FAS PSD COUNTRY NUMBER
682
ENTER THE JOBNAME
ERS3WH
ENTER YOUR 10 DIGIT ACCOUNT NUMBER
0123456789
ENTER THE NUMBER OF COPIES DESIRED
1
ENTER THE REMOTE TERMINAL (RMT13 FOR ESCS OR RMT3 FOR FAS)
RMT13
IS THE OUTPUT TO BE ON XEROX? (Y OR N)
Y
ALLOW 3 DAYS FOR XEROX PROCESSING
WHAT IS YOUR PRIORITY?
1 FOR WEEKEND, 3 FOR AVERAGE, AND 13 FOR ASAP)
3
WHAT IS THE JOB CLASS? (USUALLY C)
C
```

```
JOBNAME=ERS3WH ACCOUNT=0123456789 COPIES=1
ROUTE=RMT13 FORM=XERO PRIORITY=3 CLASS=C
```

```
Y
JOB ERS3WH(JOB89528) SUBMITTED ** FREE ALL FILES **
```



F.A.S. SUPPLY AND DISTRIBUTION DATA (NOT FOR RELEASE)
 WARNING: THESE FIELDS MAY BE TRUNCATED: BSK, U-1, U-2, U-3, AND ESK

PORK5313500.POKAUSTRALIA602.AUS IN METRIC TONS

FIRST MONTH /YEAR	AHM HAR	SCC BSK	SPC PRO	SMC IMP.	UXC EXP	UDC TDU	UFC USE1	UMF USE2	U3 USE3	COT ESK
1/60	2,134	772	106,686			106,266	106,266			1,192
1/61	2,338	1,192	113,798		2,174	110,600	110,600			2,216
1/62	2,542	2,216	121,927		1,542	121,244	121,244			1,357
1/63	2,291	1,357	110,750		1,001	109,628	109,628			1,398
1/64	2,370	1,398	117,863		1,091	116,537	116,537			1,633
1/65	2,649	1,633	130,055		1,702	128,389	128,389			1,597
1/66	2,849	1,597	139,200		1,054	137,815	137,815			1,328
1/67	2,949	1,328	145,296		1,850	143,527	143,527			1,247
1/68	3,181	1,247	156,473		1,577	154,778	154,778			1,365
1/69	3,529	1,365	169,682		6,437	162,609	162,609			1,521
1/70	3,420	1,921	176,794		2,849	174,509	174,509			1,357
1/71	3,764	1,357	185,938		2,649	182,965	182,965			1,681
1/72	4,323	1,681	207,973		13,007	193,369	193,369			3,278
1/73	4,666	3,278	234,598		17,134	218,497	218,497			2,245
1/74	3,700	2,250	186,400		1,770	184,830	184,830			2,130
1/75	3,298	2,127	171,800		4,500	167,444	167,444			1,933
1/76	3,378	1,983	179,140		4,900	174,055	174,055			2,168
1/77	3,570	2,168	190,800		1,389	188,098	188,098			3,481
1/78	3,600	3,481	193,000		1,000	192,000	192,000			3,481



MAKERPT

DESCRIPTION:

The MAKERPT (make EZPSD report) routine allows you to create and/or modify the report formats. Each format is identified by the 7 digit FAS commodity code (from Appendix B) plus a one letter report type. (Type A is designated as the fundamental S and U format for a commodity but other formats may be available.) The routine will ask for the commodity code and report type. You should enter the code and type for the new report format, or the old code and type if an existing format is to be modified.

Next the routine will ask if you are using a standard report format. Enter 'yes' unless you have already set up this report in your own report format file. The routine will ask you for a name for your report format file, suggesting 'EZPSD.DATA' if you don't have one already. However the name is your choice; you prefix will be added automatically. (ESCS users are advised to follow agency file naming conventions.) For the new format, it will look for an existing format under that code and type and use it. If there is no matching format it, will ask you for an existing format of similar layout. (All report formats must have attributes as column headings and years as stubs).

After finding a format, you can use the TSO EDITOR (which similar to the SPEAKEZ EDITOR) to edit the standard report format (or your own report format) until it meets you satisfaction. Upon entering the command 'STOP' the EDITOR will save the format into your personal report format file. (In technical terms, your EZPSD.DATA file is a partitioned data set with member names N9999999 where N is the report type and 9999999 is the commodity code. However MAKERPT will take care of these details.) If are you especially proud of your report format, contact Walt Houser so that it can be placed in the standard report format file.

There are four kinds of EASYTRIEVE statements used in the EZPSD report formats. In order of appearance, the first is the EQUATE statement (which is optional). It allows one to make caculations of ratios or sums of the data. For example:

```
XX-(W 9 NO) = BSK + IMP + PRO
```

The field XX will be a 9 digit work field used for caculation as indicated by the phrase in parentheses (W 9 NO) where 0 (a zero) is the number decimal places and 9 is the number of digits. XX will be the sum of beginning stocks (BSK), imports (IMP) and production (PRO).

If you wish to multiply or divide two fields, for each such EQUATE you must insert a COMPUTE statement just above the T1 statement. It is similar to the EQUATE but instead of using the attribute codes, the variables are in the form TOTN which refers to the Nth quantitative variable appearing in the LIST statement. For example:

```
YY-(W 2 P2) = PRO / HAR  
COMPUTE TOT3 = TOT2 / TOT1  
T1 CORN AREA, PRODUCTION AND YIELD  
LIST SPACE 3 DETAIL SKIP YEAR MORE
```



```
HAR 'AREA*IN,1000*HA' MORE
PRO 'PRODUCTION,IN*1000,METRIC*TON' MORE
YY 'YIELD*IN,MT*PER*HA'
```

Excluding nonquantitative fields such as YEAR, the fields HAR, PRO, and YY are 1,2 and 3 in order in the LIST statement; therefore they are TOT1, TOT2, and TOT3 in the COMPUTE statement. Notice that the calculation in the in the EQUATE must correspond to that in the COMPUTE.

The next statement is the TITLE statement. It is in the format:

```
TISOYOIL (3143040) SUPPLY AND UTILIZATION
```

T1 must always be the first two characters of the title statement. The text following the T1 will appear centered by EASYTRIEVE as the first line of the title. The number 3143040 is the 7 digit FAS code for soyoil and is included in the title to document the data; it is not required.

Finally, there is the LIST statement, which defines the column headings. For example:

```
LIST SPACE 1 DETAIL SKIP BSK 'BEGINNING,STOCKS' MORE
PRO 'PRODUCTION' IMP 'IMPORTS' EXP 'EXPORTS' MORE
TDU 'TOTAL,DOMESTIC,CONSUMPTN' ESK 'ENDING,STOCKS'
```

This SPACE 1 indicates that there is to be one space between each column on the report. The DETAIL requires all data lines to be printed. The SKIP causes the report to be double spaced. YEAR is the column of years; in most formats they act as stubs. If the LIST statement is not completed, the last entry on the line should be MORE. The BSK is the 3 character FAS attribute code (Appendix C) of the data to be printed with the heading in single quotes after it. The actual data associated with an attribute code will vary by commodity. Each heading may be 3 lines with no more than 10 characters per line, for a maximum of 30 characters per attribute. EASYTRIEVE will center each line of the heading for you. Each of these lines must be separated by a comma; embedded blanks in the heading must be replaced by asterisks (*). For example:

```
US5 'FEED*AND,SEED*USE'
```

The last column entry must not have a MORE after it.

If the EASYTRIEVE job will not run because the desired number of columns will not fit into one page of output, the width of the PSD attributes can be reduced. Type the attribute code followed immediately by the maximum number of digits expected for that field (not including commas or negative signs). For example, for Beginning Stocks, enter BSK7 for seven digits, BSK5 for five digits, or BSK3 for three digits. Three, five, and seven digits may be used; the default width is nine digits. The width specified here will also be used for the regional (RGN), summation (SUM) and summation by region (SUMRGN) routines also, so be careful to specify sufficient digits for these aggregated values as well. If you still have difficulty in reducing the columns enough to get the report to run, you may wish to use the EQUATE statement to change the unit of measure. (See one of the grain report formats, i.e A2111010, for an example.) Do not forget to use the SPACE 1 option described above.



Example of MAKERPT

```
ENTER ROUTINE CODE (QUIT OR HELP)
MAKERPT.
THIS ROUTINE WILL CREATE OR CHANGE EAS/TRIEVE
PARAMETERS FOR A COMMODITY REPORT.
ENTER THE NAME OF YOUR REPORT FORMAT FILE
IF YOU DON'T HAVE ONE, ENTER 'EZPSD.DATA'. (EPS85 IS ASSUMED.)
EZPSD.DATA
ENTER THE 7 DIGIT FAS COMMODITY CODE
5735122
ENTER THE REPORT TYPE (USUALLY A FOR THE FIRST REPORT).
A
ARE YOU USING ONE OF THE STANDARD REPORT FORMATS? (Y OR N)
N
YOU MAY ADD AND CHANGE THESE PARAMETERS USING THE TSO EDITOR.
SEND 'STOP' WHEN YOU ARE FINISHED.
EDIT
L
XX-IN 5 P0) = BSK + IMP + P00
ZZ-IN 5 P0) = ESK + EXP + T00
YY-IN 3 P0) = XX - ZZ
TINQIFAT DRY MILK: SUPPLY AND DISTRIBUTION, 5735122
LIST DETAIL SKIP YEAR 'YEAR' P007 'PRODUCTION' MORE
  BSK7 'BEGINNING STOCKS' MORE
  IMP7 'IMPORTS' XX 'TOTAL SUPPLY' EXP7 'EXPORTS' MORE
  T007 'DOMESTIC USE' MORE
  ESK7 'ENDING STOCKS' ZZ 'TOTAL DISTRIBUTION' MORE
  YY 'RESIDUAL'
END OF DATA
EDIT
STOP
EPS85.EZPSD.DATA(5735122) HAS BEEN CREATED.

ENTER ROUTINE CODE (QUIT OR HELP)
CMDY
THIS IS A COMMODITY BATCH RUN
ENTER THE 7 DIGIT FAS PSD COMMODITY NUMBER:
5735122
ENTER THE ONE LETTER REPORT TYPE
A
ARE YOU USING THE STANDARD REPORT FORMATS? (Y OR N)
N
ENTER THE NAME OF THIS FILE (EPS85 IS ASSUMED).
EZPSD.DATA
ENTER THE JOBNAME
ER4DBA
ENTER YOUR 10 DIGIT ACCOUNT NUMBER
0123456789
ENTER THE NUMBER OF COPIES DESIRED
1
ENTER THE REMOTE TERMINAL (RMT13 FOR ESCS OR RMT0 FOR FAS)
RMT13
IS THE OUTPUT TO BE ON MERGX? (Y OR N)
N
WHAT IS YOUR PRIORITY?
(1 FOR WEEKEND, 3 FOR AVERAGE, AND 13 FOR ASAP)
3
WHAT IS THE JOB CLASS? (USUALLY C)
C

      JOBNAME=ER4DBA  ACCOUNT=0123456789  COPIES=1
      ROUTE=RMT13  FORM=1431  PRIORITY=3  CLASS=C

IS THIS CORRECT? (Y OR N)
Y
JOB ER4DBA(JOB02430) SUBMITTED ** FREE ALL FILES **
```



Example of MAKERPT

EZPSD

WELCOME TO THE EZPSD SYSTEM.
F.A.S. PSD DATA OBTAINED HERE IS NOT FOR RELEASE
UNLESS CLEARED BY F.A.S. COMMODITY DIVISIONS.

ENTER ROUTINE CODE (OR QUIT OR HELP)

MAKERPT

THIS ROUTINE WILL CREATE OR CHANGE EASYTRIEVE
PARAMETERS FOR A COMMODITY REPORT.

ENTER THE NAME OF YOUR REPORT FORMAT FILE

IF YOU DON'T HAVE ONE, ENTER 'EZPSD.DATA'. (ERS85 IS ASSUMED.)

EZPSD.DATA

ENTER THE 7 DIGIT FAS COMMODITY CODE

5732100

ENTER THE REPORT TYPE (USUALLY A FOR THE FIRST REPORT).

B

ARE YOU USING ONE OF THE STANDARD REPORT FORMATS? (Y OR N)

Y

YOU MAY ADD AND CHANGE THESE PARAMETERS USING THE TSO EDITOR.

SEND 'STOP' WHEN YOU ARE FINISHED.

EDIT

L

PROCON-(W 3 P2) = PRO % 100 / TDU

STKCON-(W 3 P2) = ESK % 100 / TDU

EXPIMP-(W 3 P2) = EXP % 100 / IMP

TIBUTTER PRODUCTION, CONSUMPTION, TRADE, AND ENDING STOCKS WITH RATIOS

LIST SPACE 3 DETAIL SKIP YEAR PROT 'PRODUCTION' TOUT 'CONSUMPTN' MORE

PROCON 'RATIO%OF,PROD/CONS' MORE

EXP7 'EXPORTS' IMP7 'IMPORTS' EXPIMP 'RATIO%OF,EXPT/IMPT' MORE

ESK7 'ENDING,STOCKS' STKCON 'RATIO%OF,STKS/CONS'

END OF DATA

EDIT

TOP

EDIT

C * 3 /X 100// A

EDIT

I *

INPUT

COMPUTE TOT3 = TOT1 / TOT2

COMPUTE TOT6 = TOT4 / TOT5

COMPUTE TOT8 = TOT7 / TOT2

EDIT

L

PROCON-(W 3 P2) = PRO / TDU

STKCON-(W 3 P2) = ESK / TDU

EXPIMP-(W 3 P2) = EXP / IMP

COMPUTE TOT3 = TOT1 / TOT2

COMPUTE TOT6 = TOT4 / TOT5

COMPUTE TOT8 = TOT7 / TOT2

TIBUTTER PRODUCTION, CONSUMPTION, TRADE, AND ENDING STOCKS WITH RATIOS

LIST SPACE 3 DETAIL SKIP YEAR PROT 'PRODUCTION' TOUT 'CONSUMPTN' MORE

PROCON 'RATIO%OF,PROD/CONS' MORE

EXP7 'EXPORTS' IMP7 'IMPORTS' EXPIMP 'RATIO%OF,EXPT/IMPT' MORE

ESK7 'ENDING,STOCKS' STKCON 'RATIO%OF,STKS/CONS'

END OF DATA

EDIT

STOP

ERS85.EZPSD.DATA(5732100) HAS BEEN CREATED.

ENTER ROUTINE CODE (OR QUIT OR HELP)

QUIT#T

THANK YOU FOR USING EZPSD

READY

DESCRIPTION:

The RGN (region) routine will submit a batch job that will aggregate data for a specified commodity into GOL regions. The listing will include data for only the countries shown in Appendix A, whether or not that country's data is currently maintained by FAS. You must enter the 7 digit FAS commodity code (Appendix B) and the one letter report type. The routine will ask if one is using a standard report format. A report format with this commodity code and report type must exist, but if not you may create one using MAKERPT.

EXAMPLE:

```
ENTER ROUTINE CODE (QUIT OR HELP)
RGN
THIS IS A GOL REGION BATCH RUN
ENTER THE 7 DIGIT FAS PSD COMMODITY NUMBER
59200000
ENTER THE ONE LETTER REPORT TYPE
A
ARE YOU USING THE STANDARD REPORT FORMATS? (Y OR N)
Y
ENTER THE JOBNAME
ERS3WH
ENTER YOUR 10 DIGIT ACCOUNT NUMBER
0123456789
ENTER THE NUMBER OF COPIES DESIRED
1
ENTER THE REMOTE TERMINAL (RMT13 FOR ESCS OR RMT3 FOR FAS)
RMT13
IS THE OUTPUT TO BE ON KEROK? (Y OR N)
N
WHAT IS YOUR PRIORITY?
(1 FOR WEEKEND, 3 FOR AVERAGE, AND 13 FOR ASAP)
3
WHAT IS THE JOB CLASS? (USUALLY C)
C

      JOBNAME=ERS3WH  ACCOUNT=0123456789  COPIES=1
      ROUTE=RMT13  FORM=1431  PRIORITY=3  CLASS=C

IS THIS CORRECT? (Y OR N)
Y
JOB ERS3WH(JOB008876) SUBMITTED  **  FREE ALL FILES  **
```


SOUTH AFRICA

YEAR	NUMBER OF LAYERS IN MILL HEAD	PRODUCTION	BEGINNING STOCKS	TOTAL IMPORTS	TOTAL EXPORTS	HATCHING	SHELL	OTHER USES	TOTAL DOMESTIC USE	ENDING STOCKS
1964	7,000	1,522,000			166,000	26,000	1,330,000		1,356,000	
1965	7,000	1,525,000			130,000	28,000	1,367,000		1,395,000	
1966	7,000	1,505,000			94,000	33,000	1,410,000		1,451,000	
1967	8,000	1,703,000			191,000	52,000	1,460,000		1,512,000	
1968	8,000	1,725,000			149,000	66,000	1,510,000		1,576,000	
1969	9,000	1,854,000			197,000	76,000	1,581,000		1,657,000	
1970	9,000	1,957,000			231,000	83,000	1,643,000		1,726,000	
1971	9,000	1,883,000			94,000	86,000	1,703,000		1,789,000	
1972	9,000	1,946,000			98,000	101,000	1,747,000		1,848,000	
1973	10,000	2,057,000			120,000	122,000	1,798,000		1,920,000	17,000
1974	12,000	2,334,000	17,000		220,000	150,000	1,926,000	22,000	2,098,000	29,000
1975	13,000	2,719,000	29,000		243,000	294,000	2,166,000	15,000	2,475,000	30,000
1976	17,000	3,676,000			315,000	199,000	3,144,000	10,000	3,361,000	
1977	16,000	3,696,000			404,000	236,000	3,256,000		3,492,000	
1978	16,000	3,813,000			345,000	235,000	3,233,000		3,468,000	
1979	15,000	3,787,000			300,000	237,000	3,250,000		3,487,000	

SPKBATCH

DESCRIPTION:

The SPKBATCH (SPEAKEZ Batch job) routine will submit a data set of SPEAKEZ commands for batch execution without you having to prepare the necessary JCL. You may create a set of commands or change an existing set using the TSO Editor.

If this is a new set of SPEAKEZ commands, they will not be saved unless you enter SAVE XXX. Then the file will have the user's system prefix and the suffix of DATA. (e.g. ERSNN.XXX.DATA) You finish this editing with a STOP. If the SPEAKEZ commands are not to be saved, then you do not need to worry about the accumulation of unwanted data sets. If this is an old data set of SPEAKEZ commands, then any changes made will be executed but not saved unless you enter SAVE. (XXX is not necessary in this case).

If you are using a MYKEEP file with a nonstandard name, the routine will ask for the name of this file. You must enter its complete name including prefix and suffix. (e.g. ERS45.ER3WH.SPEAKEZ.MYKEEP.DATA) Next, the routine will ask for the library name (or DDNAME for those who understand JCL). This should be 8 characters of the user's choosing, consistent with the preceding SPEAKEZ commands. (e.g. GET MYPROG ON DDNAME) However if you enter MYKEEP, you will be replacing the standard file with your file name as the default (e.g. GET MYPROG ON MYKEEP). Therefore you will not be using a mykeep file with the standard name (e.g. ERS45.SPEAKEZ.MYKEEP.DATA). In any case when asked if you are using a mykeep file with a standard name, only say YES if one currently exists. Finally the routine will ask if you are using a checkpoint file. If so, the routine requests the name of this file, which must already exist. (e.g. CHKPOINT, not ERSNN.CHKPOINT.SPEKSAVE).



Example of SPKBATCH

```
WELCOME TO THE ECPSD SYSTEM.
F.A.S. PSD DATA OBTAINED HERE IS NOT FOR RELEASE
UNLESS CLEARED BY F.A.S. COMMODITY DIVISIONS.

ENTER ROUTINE CODE (QUIT OR HELP)
SPKBATCH
THIS IS A SPEAKEZ BATCH RUN.
DO YOU ALREADY HAVE A FILE OF SPEAKEZ COMMANDS? (Y OR N)
Y
ENTER THE NAME OF THIS FILE (ERS68 IS ASSUMED).
ECLVSTCK.TRENDS.DATA
ENTER THE JOBNAME
ER3WJER3WD
ENTER YOUR 10 DIGIT ACCOUNT NUMBER
0123456789
ENTER THE NUMBER OF COPIES DESIRED
1
ENTER THE REMOTE TERMINAL (RMT13 FOR ESCS OR RMT3 FOR FAS)
RMT79
IS THE OUTPUT TO BE ON MEROM? (Y OR N)
N
WHAT IS YOUR PRIORITY?
1 FOR WEEKEND, 3 FOR AVERAGE, AND 13 FOR ASAP)
1
WHAT IS THE JOB CLASS? (USUALLY C)
C

JOBNAME=ER3WD ACCOUNT=0123456789 COPIES=1
ROUTE=RMT79 FORM=1431 PRIORITY=1 CLASS=C

IS THIS CORRECT? (Y OR N)
Y
ENTER THE SPEAKEZ COMMANDS AND EDIT THEM WITH TSO EDITOR.
CHANGES WILL NOT BE MADE TO THE ORIGINAL FILE UNLESS YOU
SAVE THEM. SEND 'STOP' WHEN YOU ARE FINISHED.
EDIT
L
00010 SIZE=50
00020 RESTORE RATIOS
00030 YEAR=INTS(1 19)
00040 FOR I=1.11
00050 OLSD ARGUMENT(ECSLANUM(I)) C YEAR: ALL
00060 OLSD ARGUMENT(ECFFONUM(I)) C YEAR: ALL
00070 OLSD ARGUMENT(ECFPROSLA(I)) C YEAR: ALL
00080 END I
00090 FOR I=2.11
00100 OLSD ARGUMENT(ECBUPO(I)) C YEAR: ALL
00110 OLSD ARGUMENT(ECTOTSLA(I)) C YEAR: ALL
00120 OLSD ARGUMENT(ECCATHUM(I)) C YEAR: ALL
00130 END I
00140 QUIT
END OF DATA
EDIT
STOP
ARE YOU USING A MYKEEP FILE WITH A NONSTANDARD NAME? (Y OR N)
N
ARE YOU USING A MYKEEP FILE WITH A STANDARD NAME? (Y OR N)
N
WILL YOU BE USING A CHECKPOINT FILE? (Y OR N)
Y
ENTER ONE NAME ONLY
RATIOS
ERS68.RATIOS.SPEKNAME MUST ALREADY EXIST.
JOB ER3WD(JOB00042) SUBMITTED ** FREE ALL FILES **

ENTER ROUTINE CODE (QUIT OR HELP)
QUIT
THANK YOU FOR USING ECPSD
READY
```




Example of SPKBATCH

```
ENTER ROUTINE CODE (OR QUIT OR HELP)
SPKB
THIS IS A SPEAKED BATCH RUN.
DO YOU ALREADY HAVE A FILE OF SPEAKED COMMANDS? (Y OR N)
Y
ENTER THE NAME OF THIS FILE (EP967 IS ASSUMED).
YUGO.GRAINS.DATA
ENTER THE JOBNAME
ER967D
ENTER YOUR 18 DIGIT ACCOUNT NUMBER
291
ENTER THE NUMBER OF COPIES DESIRED

ENTER THE REMOTE TERMINAL (RMT13 FOR EGCS OR RMT3 FOR FAS)

IS THE OUTPUT TO BE ON XEROX? (Y OR N)

WHAT IS YOUR PRIORITY?
(1 FOR WEEKEND, 3 FOR AVERAGE, AND 13 FOR ASAP)

WHAT IS THE JOB CLASS? (USUALLY 0)

      JOBNAME=ER967D  POCOUNT=2911087198  COPIES=1
      ROUTE=RMT13  FORM=1431  PRIORITY=1  CLASS=0

IS THIS CORRECT? (Y OR N)
Y
ENTER THE SPEAKED COMMANDS AND EDIT THEM WITH TSO EDITOR.
CHANGES WILL NOT BE MADE TO THE ORIGINAL FILE UNLESS YOU
SAVE THEM.  SEND 'STOP' WHEN YOU ARE FINISHED.
EDIT
L
00001 SIZE=30
00002 GET YUGOGLAU
00003 EXECUTE YUGOGLAU
00004 QUIT
END OF DATA
EDIT
RENDM
EDIT
C 30 //EXECUTE //
EDIT
L
00010 SIZE=30
00020 GET YUGOGLAU
00030 YUGOGLAU
00040 QUIT
END OF DATA
EDIT
STOP
ARE YOU USING A MYKEEP FILE WITH A NONSTANDARD NAME? (Y OR N)
Y
ENTER THE FILE NAME, FULLY QUALIFIED WITH PREFIX AND SUFFIX
EP967.EP9116.SPEAKED.MYKEEP.DATA
ENTER THE LIBRARY (OR DD) NAME (LESS THAN 8 CHARACTERS)
MYKEEP
ARE YOU USING A MYKEEP FILE WITH A STANDARD NAME? (Y OR N)
N
WILL YOU BE USING A CHECKPOINT FILE? (Y OR N)
N
JOB ER967D(JOB08091) SUBMITTED ** FREE ALL FILES **
```


SPKPROG

DESCRIPTION:

The SPKPROG (SPEAKEZ Program) routine will place FAS PSD data into a CHECKPOINT file for use in SPEAKEZ. Also it will execute in batch a SPEAKEZ program in deck format from your MYKEEP FILE. Otherwise this routine is the same as BRIDGE. Your program will find the PSD variable names as name-literal elements in the variable VARLIST. The vector of years (i.e. 60,61,...78) is also set as the variable T.

EXAMPLE:

```
ENTER ROUTINE CODE (QUIT OR HELP)
SPKPROG
THIS JOB RUNS A USER DESIGNED SPEAKED PROGRAM ON FAS DATA
ENTER THE COUNTRY NAME
BELGIUM-LUXEMBOURG
ENTER THE 3 CHARACTER OASIS COUNTRY CODE
BL
ENTER THE 3 DIGIT FAS COUNTRY CODE
423
ENTER THE COMMODITY NAME
BEEF AND MEAL
ENTER THE 3 CHARACTER OASIS COMMODITY CODE
BV
ENTER THE 7 DIGIT FAS COMMODITY CODE
5311000
BEEF AND MEAL DATA FOR BELGIUM-LUXEMBOURG WILL BE SAVED ON ER945.BUBL.SPEKSAME.
THE FAS COMMODITY CODE IS ...5311000 AND COUNTRY CODE IS 423.
IS THIS CORRECT? (Y OR N)
Y
ENTER NO MORE THAN 7 PSD 3 CHARACTER ATTRIBUTE CODES
IN THIS FORMAT: AAA,SPR,SPC,SMO,UMG,UDC,DDT
THE YEAR INDEX IS AUTOMATICALLY SWEPEBL. IF THE
CODES ARE UNCHANGED FROM THE PRECEDING BRIDGE, ENTER SAME.
SAME
NO ATTRIBUTES SPECIFIED. PLEASE RE-ENTER.
HAR,PRO,IMP,SEN,EXP,TOU,US1
HAR,PRO,IMP,SEN,EXP,TOU,US1
IS THIS CORRECT? (Y OR N)
Y
ENTER THE JOBNAME
ER93WH
ENTER YOUR 13 DIGIT ACCOUNT NUMBER
0123456789
ENTER THE NUMBER OF COPIES DESIRED
1
ENTER THE REMOTE TERMINAL (RMT13 FOR ESC9 OR RMT3 FOR FAS)
RMT13
IS THE OUTPUT TO BE ON HERON? (Y OR N)
N
WHAT IS YOUR PRIORITY?
0 FOR WEEKEND, 3 FOR AVERAGE, AND 13 FOR ASAP)
3
WHAT IS THE JOB CLASS? (USUALLY C)
C
      JOBNAME=ER93WH  ACCOUNT=          COPIES=1
      ROUTE=RMT13  FORM=1431  PRIORITY=1  CLASS=C
IS THIS CORRECT? (Y OR N)
Y
THE VARIABLE NAMES ARE ELEMENTS OF SUBLIST AND ARE IN AN ARGUMENT LIST
CALLED SWELEAFG.
ENTER THE SPEAKED PROGRAM NAME (IT MUST BE IN DECK FORMAT
IN YOUR MYKEEP FILE ER945.SPEAKED.MYKEEP.DATA).
TRNDDECK
SWELEAFG IS SET TO 'VARLIST' AND THE YEARS (60,61,...79) ARE IN 'T'.
JOB ER93WH(C)OR94015 SUBMITTED ** FREE ALL FILES *
```


SUM

DESCRIPTION:

The SUM (summation) routine will submit a batch job that will aggregate up to 8 specified commodities and list this aggregation for all countries in the FAS PSD data base. The listing will include data for all countries in the data base, even those that are not currently maintained by FAS. You should enter between 2 and 8 of the 7 digit FAS commodity codes (Appendix B) in ascending numerical order. The routine will ask if a standard report format is to be used. If not, it will ask for the name of file where your non-standard formats are kept. There must be a report format of the specified type for the first commodity code. All of the commodities must be comparable and additive for the fields listed in the report format (which must exist or must be created using MAKERPT).

EXAMPLE:

```

ENTER ROUTINE CODE (QUIT OR HELP)
SUM
THIS IS A COMMODITY SUMMATION BATCH RUN
YOU MAY ENTER AS MANY AS 8 OF THE 7 DIGIT FAS PSD
COMMODITY CODES. THEY MUST BE IN ASCENDING ORDER. IN
THE FOLLOWING FORMAT: 5311000,5312000,5313000,5324000,...
2111030,2111050,2111060,2111070,2111080,2111800
2111030,2111050,2111060,2111070,2111080,2111800
IS THIS CORRECT? (Y OR N)
Y
ENTER THE REPORT FORMAT (USUALLY A)
A
ARE YOU USING THE STANDARD REPORT FORMATS? (Y OR N)
Y
ENTER THE JOBNAME
ERS3WH
ENTER YOUR 10 DIGIT ACCOUNT NUMBER
0123456789
ENTER THE NUMBER OF COPIES DESIRED
1
ENTER THE REMOTE TERMINAL (RMT13 FOR EGCS OR RMT3 FOR FAS)
RMT13
IS THE OUTPUT TO BE ON XEROX? (Y OR N)
N
WHAT IS YOUR PRIORITY?
1 FOR WEEKEND, 3 FOR AVERAGE, AND 13 FOR ASAP)
1
WHAT IS THE JOB CLASS? (USUALLY C)
C

      JOBNAME=ERS3WH  ACCOUNT= 0123456789  COPIES=1
      ROUTE=RMT13  FORM=1431  PRIORITY=1  CLASS=C

IS THIS CORRECT? (Y OR N)
Y
ENTER THE TITLE OF THE REPORT (UP TO 78 CHARACTERS)
COARSE GRAINS SUPPLY AND###% DISTRIBUTION
COARSE GRAINS SUPPLY & DISTRIBUTION
IS THIS CORRECT? (Y OR N)
Y
JOB ERS3WH(JOB08995) SUBMITTED  ** FREE ALL FILES  **

```



COARSE GRAINS SUPPLY AND UTILIZATION
 SUM OF COMMODITY CODES 2111030, 2111050, 2111060, 2111070, 2111080, 2111090, 2111100
 F.A.S. 990 DATA IS NOT FOR RELEASE
 USA USA 104 (IN METRIC TONS)

INITIAL YEAR	MONTH/ YEAR	AREA HARVESTED IN 1000 HA	YIELD MT PER HA	PRODUCTION	BEGINNING STOCKS	TOTAL IMPORTS	TOTAL EXPORTS	TOTAL CONSUMPTION	OF WHICH FOR FEED USE	IMPORTS FROM US	JULY JUNE TOTAL IMPORTS	JULY JUNE TOTAL EXPORTS
1960	4,400	52,267	10.36	141,911	67,936	366	11,192	121,598	109,236		366	10,932
1961	4,405	43,241	10.91	127,490	77,423	398	15,250	124,387	111,566		397	14,354
1962	4,410	42,036	11.60	129,605	65,674	145	15,242	121,567	106,678		143	15,520
1963	4,415	43,174	11.65	140,271	56,615	287	16,653	119,466	106,101		290	15,977
1964	4,420	40,000	11.31	122,546	63,054	375	19,629	116,338	102,866		372	17,714
1965	4,125	39,490	13.39	144,207	51,472	304	25,718	130,047	115,993		291	25,406
1966	4,130	40,152	13.10	144,921	40,210	271	20,101	129,785	115,526		291	20,945
1967	4,135	41,311	13.53	162,922	35,524	283	20,682	132,446	117,860		227	19,710
1968	4,140	39,782	13.99	155,261	45,599	308	16,301	137,679	122,705		274	16,006
1969	4,145	39,187	14.57	161,682	47,188	352	18,955	144,170	128,883		326	19,226
1970	4,150	40,735	13.38	146,106	46,097	363	18,612	141,789	126,851		320	19,414
1971	4,155	43,637	15.11	189,533	32,165	343	24,165	151,284	136,002		406	20,757
1972	4,160	38,377	15.75	182,013	46,592	442	38,747	158,567	142,302		352	35,603
1973	4,165	41,628	14.92	186,777	31,733	221	40,669	156,216	139,485		221	44,472
1974	4,170	40,685	12.46	150,905	21,844	494	35,590	122,176	105,409		490	34,357
1975	4,175	42,586	13.96	185,059	15,477	437	49,718	133,948	116,304		393	46,334
1976	4,180	43,296	13.92	193,876	17,307	335	50,292	131,211	112,723		335	50,593
1977	4,185	43,983	15.12	203,844	30,015	304	55,977	136,932	117,498		161	52,116
1978	4,190	42,617	15.91	218,023	41,254	261	55,630	147,044	126,875		261	54,336

.00



SUMGRN

DESCRIPTION:

The SUMGRN (summation by region) routine will submit a batch job that will aggregate up to 8 specified commodities and list them aggregated further by GOL region. The listing will include data for only the countries shown in Appendix A, even if that data is not currently maintained by FAS. You should enter between 2 and 8 of the 7 digit FAS commodity codes (Appendix B) in ascending numerical order. The routine will ask if a standard report format is to be used. If not, it will ask for the name of the file where your nonstandard formats are kept. There must be a report format of the specified type for the first commodity code. All of the commodities must be comparable and additive for the fields listed in this report format (which must exist or must be created using MAKERPT).

EXAMPLE:

```
ENTER ROUTINE CODE (QUIT OR HELP)
SUMGRN
THIS IS A COMMODITY SUMMATION BY GOL REGION, BATCH RUN
YOU MAY ENTER AS MANY AS 8 OF THE 7 DIGIT FAS FSD
COMMODITY CODES. THEY MUST BE IN ASCENDING ORDER, IN
THE FOLLOWING FORMAT: 5311000,5312000,5313000,5324000,...
2111030,2111050,2111060,2111070,2111080,2111800
2111030,2111050,2111060,2111070,2111080,2111800
IS THIS CORRECT? (Y OR N)
Y
ENTER THE REPORT FORMAT (USUALLY A)
A1C
ARE YOU USING THE STANDARD REPORT FORMATS? (Y OR N)
Y
ENTER THE JOBNAME
ERS3WH
ENTER YOUR 10 DIGIT ACCOUNT NUMBER
0123456789
ENTER THE NUMBER OF COPIES DESIRED
1
ENTER THE REMOTE TERMINAL (RMT13 FOR ESCS OR RMT3 FOR FAS)
RMT13
IS THE OUTPUT TO BE ON WEROM? (Y OR N)
N
WHAT IS YOUR PRIORITY?
0 FOR WEEKEND, 3 FOR AVERAGE, AND 13 FOR ASAP)
1
WHAT IS THE JOB CLASS? (USUALLY C)
D

JOBNAME=ERS3WH ACCOUNT=0123456789 COPIES=1
ROUTE=RMT13 FORM=1431 PRIORITY=1 CLASS=D

IS THIS CORRECT? (Y OR N)
Y
ENTER THE TITLE OF THE REPORT (UP TO 78 CHARACTERS)
COARSE GRAINS SUPPLY AND DISTRIBUTION
COARSE GRAINS SUPPLY AND DISTRIBUTION
IS THIS CORRECT? (Y OR N)
Y
JOB ERS3WH(JOB09038) SUBMITTED ** FREE ALL FILES **
```


CUANSE GRAINS SUPPLY AND DISTRIBUTION
 SUM OF COMMODITY CODES 2111030,2111050,2111060,2111070,2111080,2111000
 AGGREGATED BY GUL REGION, F.A.S. PSD DATA IS NOT FOR RELEASE
 MIDDLE AMERICA (IN 1,000 METRIC TONS)

AREA HARVESTED YEAR IN 1000 HA	YIELD MT PER HA	PRODUCTION	BEGINNING STOCKS	TOTAL IMPORTS	TOTAL EXPORTS	TOTAL CONSUMP TION	OF WHICH FOR FEED USE	IMPORTS FROM US	JULY JUNE TOTAL IMPORTS	JULY JUNE TOTAL EXPORTS
1960	7,873	19,28	7,713	492	196	111	7,857	158	181	111
1961	8,768	19,91	7,797	433	173	36	7,861	199	187	35
1962	8,806	21,64	7,832	506	751	46	8,292	540	528	47
1963	9,258	20,37	9,235	751	240	113	8,629	377	464	47
1964	9,849	20,77	10,208	1,484	324	1,252	9,383	177	333	1,027
1965	10,192	21,46	10,946	1,381	330	1,176	10,201	189	328	1,398
1966	10,537	24,21	11,938	1,280	220	1,115	10,932	145	216	1,107
1967	10,642	24,09	11,928	1,391	296	1,148	11,527	229	289	1,026
1968	10,942	24,85	13,160	934	236	1,165	12,472	146	233	1,248
1969	10,892	25,77	11,436	753	989	336	12,342	535	601	427
1970	11,518	27,66	14,051	501	380	563	13,376	353	778	567
1971	11,637	27,92	14,204	993	419	545	14,653	339	397	556
1972	11,312	25,26	12,455	418	1,870	113	14,157	926	1,230	112
1973	11,865	27,52	14,706	474	2,040	3	16,198	2,252	2,378	3
1974	11,680	27,60	13,296	1,019	3,265	21	16,453	2,539	3,185	21
1975	12,234	29,26	16,031	1,126	2,142	30	17,739	1,672	2,142	30
1976	11,630	28,21	15,919	1,534	2,790	97	18,563	1,622	2,202	97
1977	11,781	28,94	15,666	1,583	3,058	5	19,192	2,796	3,058	5
1978	12,195	34,38	16,412	1,110	2,746		19,670	2,218	2,746	
1979	11,615	28,24	15,984	569	3,343		19,284	3,038	3,343	

.00



TRENDS

DESCRIPTION:

The TRENDS routine will place FAS PSD data into a CHECKPOINT file for use in SPEAKEZ. Then it runs time trends on this same data using four functional forms:

$$\begin{aligned} Y &= aT + e \\ Y &= aT + bT^2 + e \\ Y &= aT + bT^2 + cT^3 + e \\ \ln Y &= T + e \end{aligned}$$

The routine will ask you for a country name, its 2 character OASIS (or UN) country code, its 3 digit FAS country code, the commodity name, its 2 character OASIS commodity code and its 7 digit FAS commodity number. (See Appendices B and D). Next, the routine requests the attribute codes desired; you may use either FAS or OASIS 3 character codes (PRO, BSK, SPC, SCC, etc, see Appendix C). Please see BRIDGE for further details.

(See the example on the next page.)



Example of TRENDS

ENTER ROUTINE CODE (QUIT OR HELP)

TRENDS

THIS JOB RUNS TRENDS ON THE FAS PSD DATA

ENTER THE COUNTRY NAME

AUSTRALIA

ENTER THE 2 CHARACTER OASIS COUNTRY CODE

832

ENTER THE 3 DIGIT FAS COUNTRY CODE

602

ENTER THE COMMODITY NAME

WHEAT

ENTER THE 2 CHARACTER OASIS COMMODITY CODE

2111010

ENTER THE 7 DIGIT FAS COMMODITY CODE

L

WHEAT DATA FOR AUSTRALIA WILL BE SAVED ON ER345.2111010602.SPEKSAME.

THE FAS COMMODITY CODE IS ...L AND COUNTRY CODE IS 602.

IS THIS CORRECT? (Y OR N)

N

PLEASE TRY AGAIN.

ENTER THE COUNTRY NAME

AUSTRALIA

ENTER THE 2 CHARACTER OASIS COUNTRY CODE

AJ

ENTER THE 3 DIGIT FAS COUNTRY CODE

602

ENTER THE COMMODITY NAME

BEEF AND VEAL

ENTER THE 2 CHARACTER OASIS COMMODITY CODE

BJ

ENTER THE 7 DIGIT FAS COMMODITY CODE

5311000

BEEF AND VEAL DATA FOR AUSTRALIA WILL BE SAVED ON ER345.BJAU.SPEKSAME.

THE FAS COMMODITY CODE IS ...5311000 AND COUNTRY CODE IS 602.

IS THIS CORRECT? (Y OR N)

Y

ENTER NO MORE THAN 7 PSD 3 CHARACTER ATTRIBUTE CODES

IN THIS FORMAT: AAA, SFA, SPC, SMC, UMC, UDC, COT

THE YEAR INDEX IS AUTOMATICALLY BUVEFAU. IF THE

CODES ARE UNCHANGED FROM THE PRECEDING BRIDGE, ENTER SAME.

SAME

HAR, PRO, IMP, BSK, EXP, TIU, US1

IS THIS CORRECT? (Y OR N)

Y

ENTER THE JOBNAME

ER33WH

ENTER YOUR 10 DIGIT ACCOUNT NUMBER

0123456789

ENTER THE NUMBER OF COPIES DESIRED

1

ENTER THE REMOTE TERMINAL (RMT13 FOR ESCS OR RMT3 FOR FAS)

RMT3

IS THE OUTPUT TO BE ON XEROX? (Y OR N)

N

WHAT IS YOUR PRIORITY?

1 FOR WEEKEND, 3 FOR AVERAGE, AND 13 FOR ASAP)

1

WHAT IS THE JOB CLASS? (USUALLY C)

C

JOBNAME=ER33WH ACCOUNT=0123456789 COPIES=1
ROUTE=RMT3 FORM=1431 PRIORITY=1 CLASS=C

IS THIS CORRECT? (Y OR N)

Y

THE VARIABLE NAMES ARE ELEMENTS OF BUVALIST AND AND THEY ARE IN AN ARGUMENT LIST CALLED BUVALAG.

JOB ER33WH (JOB04040) SUBMITTED ** FREE ALL FILES **



APPENDIX A

Country composition of regions in the world grain-oilseeds-livestock model

Regions	Composition
I. Developed countries:	
United States	United States
Canada	Canada
EC-6	Belgium, France, West Germany, Italy, Luxembourg, Netherlands
EC-3	Denmark, Ireland, United Kingdom
Other Western Europe	Austria, Finland, Greece, Iceland, Malta, Norway, Portugal, Spain, Sweden, Switzerland
Japan	Japan
Oceania	Australia, New Zealand
South Africa	Botswana, Lesotho, Namibia, Republic of South Africa, Swaziland
II. Centrally planned countries:	
Eastern Europe	Albania, Bulgaria, Czechoslovakia, East Germany, Hungary, Poland, Romania, Yugoslavia
Soviet Union	Soviet Union
China	People's Republic of China
III. Developing countries:	
Middle America	Mexico, Bahamas, Bermuda, Costa Rica, Dominican Republic, El Salvador, Guatemala, Haiti, Honduras, British Honduras, Jamaica, Nicaragua, Panama, Trinidad & Tobago, Other Caribbean Islands
Argentina	Argentina
Brazil	Brazil
Venezuela	Venezuela
Other South America	Bolivia, Chile, Colombia, Ecuador, French Guiana, Guyana, Paraguay, Peru, Surinam, Uruguay

Continued--

* Alternative Futures for World Food in 1985: Volume 1, World GOL Model Analytical Report, USDA, ESCS, FAER No. 146, Table 2, page 9-10.



Country composition of regions in the world grain-oilseeds-livestock model
 --Continued

High-income North Africa and Middle East	Algeria, Bahrain, Cyprus, Iran, Iraq, Israel, Kuwait, Libya, Oman, Qatar, Saudi Arabia, United Arab Emirates
Low-income North Africa and Middle East	Egypt, Jordan, Lebanon, Morocco, Sudan, Syria, Tunisia, Turkey, Yemen (Aden), Yemen (Sana)
East Africa	Kenya, Malagasy Republic, Malawi, Mozambique, Rhodesia, Tanzania, Uganda, Zambia
Central Africa	Angola, Burundi, Cameroon, Central African Empire, Chad, Congo, Ethiopia, Djibouti, Benin, Gabon, Gambia, Ghana, Guinea, Equatorial Guinea, Guinea-Bissau, Ivory Coast, Liberia, Mali, Mauritana, Mauritius, Niger, Nigeria, Reunion, Rwanda, Senegal, Sierra Leone, Somalia, Togo, Upper Volta, Zaire
India	India
Other South Asia	Afghanistan, Bangladesh, Bhutan, Nepal, Pakistan, Sri Lanka
Thailand	Thailand
Other Southeast Asia	Burma, Cambodia, Laos, South Vietnam <u>1/</u>
Indonesia	Indonesia
High-income East Asia	Hong Kong, Singapore, South Korea, Taiwan, Brunei
Low-income East Asia	Malaysia, Philippine Islands
Rest of world	North Korea, North Vietnam <u>1/</u> , Mongolia, Cuba, Pacific Islands, Papua-New Guinea

1/ The model was designed before the reunification of North and South Vietnam into the People's Republic of Vietnam.

APPENDIX B

Commodity Names and OASIS and FAS Codes

<u>Commodity Name</u>	<u>Two Character OASIS Alpha Code For Speakez Use</u>	<u>FAS 7 Digit Code</u>
Almonds	AL	2216010
Apples	AP	2212010
Apricots	AR	2213010
Barley	BA	2111070
Beef and Veal	BV	5311000
Butter	BU	5732100
Casein	CN	5737100
Castor Beans	BC	2144100
All Cattle	CE	4210000
Cent-Sugar	SU	3141100
Cheese	CD	5733000
Cherries	CZ	2213022
Chicken Meat-LT 16 weeks (BROILERS)	CY	5325108
Chicken Meat-GT 16 weeks	CX	5325109
Cigarettes	CK	3191000
Cocoa Beans	CB	2241020
Coffee	CF	2241010
Corn Oil	CJ	3143140
Corn	CO	2111600
Cotton	CT	2143010
Cottseed Meal	CM	3333010
Cottonseed	CS	2144010
Cottonseed Oil	CL	3143010
Edible Offals (Variety Meats)	EF	5400000
Eggs	EG	5920000
Filberts	FB	2216050
Fish Meal	FM	3331025
Fish Oil	OF	3251025
Flaxseed	FL	2144020
Fluid Milk	MI	5703010
Goat Numbers	GN	4510000
Hides and Skins	HD	5951021
Hog Numbers	HO	4610000
Honey	HY	5931010
Hops	HC	2149010
Horsemeat	HS	5324000
Horse Numbers	HN	4111000
Lamb	LB	5312200
Lamb, Mutton and Goat meat	LM	5312000
Lard	LR	5512100
Lettuce	LI	2160800
Linseed Meal	LN	3333020
Linseed Oil	LO	3143020
Mohair	MH	5911022
Molasses	MO	3141420
Nonfat Dry Milk	NF	5735122
Oats	OA	2111080

APPENDIX B

Commodity Names and OASIS and FAS Codes

<u>Commodity Name</u>	<u>Two Character OASIS Alpha Code For Speakez Use</u>	<u>FAS 7 Digit Code</u>
Olive Oil	OO	3242010
Olives	OL	2242010
Oranges-Tangelos	OT	2211100
Other Poultry Meat	OP	5325200
Peaches Fresh	PE	2213030
Pears	PR	2212020
Plums Fresh	PL	2213041
Peanuts, in shell	PN	2144050
Peanut Oil	PI	3143050
Peanut Meat	PM	3333050
Pork	PO	5313000
Potatoes	PT	2131010
Poultry Meat, Total	PY	5325000
Rice,	RI	2111041
Rye	RY	2111030
Safflower Seed	SS	2144110
Sesame Seed	SE	2144080
Sheep Numbers	SH	4410000
Sorghum	SG	2111050
Soybeans	SB	2144040
Soybean Meal	SM	3333040
Soybean Oil	SO	3143040
Sperm Whale Oil	SW	3251020
Strawberries	SA	2215010
Sunflower Seed	SF	2144090
Sugar, raw basis, (96% polar)	SC	3141000
Tallow and Grease	TA	5510000
Tobacco, Total Unmanufactured (all types)	TT	2142100
Tobacco, Flue cured, area and prod only	TF	2142101
Tobacco, Oriental	TO	2142102
Tobacco, Burley, (light air cured)	TY	2142103
Tobacco, Dark, air and sun cured	TD	2142106
Tobacco, Dark, air cured, cigar	TC	2142107
Tobacco, Dark, fire cured,	TE	2142108
Tobacco, other light air cured (lined (incl Md),	TL	2142104
Tung Oil	TU	3242050
Turkey Meat	TM	5329000
Walnuts	WA	2216020
Whale Oil	OW	3251010
Wheat	WH	2111010
Wool	WO	5911010



APPENDIX C

COMMODITY ATTRIBUTE DESCRIPTION and OASIS and FAS Codes

FIELD DESCRIPTION	OASIS	FAS
.....
BEGINNING STOCKS	SCC	BSK
PRODUCTION	SPC	PRO
IMPORTS (CROP YR)	SMC	IMP
TOTAL DOMESTIC CONS	UDC	TDU
FEED USE (GRAINS)	UFC	US1
FOOD USE (GRAINS)	UHF	US2
OTHER USE	US3	US3
OTHER USE	US4	US4
OTHER USE	US5	US5
EXPORTS (CROP YR)	UXC	EXP
ENDING STOCKS	COT	ESK
AREA PLANTED (IN HA)	APL	PLT
AREA HARVESTED (IN HA)	AHH	HAR
YIELD (PRO/HAR)	YHH	YLD
ROUGH PRODUCTION	SPR	RFP
MILLING RATE (PRO/RFP)	YMR	MLR
JUNE/JULY IMPORTS	SMJ	JJI
JUNE/JULY EXPORTS	UXJ	JJE
IMPORTS FROM US	SMU	IUS
EXPORTS TO U.S.	UXU	EUS

The Yield field is calculated and does not appear in the FAS PSD Data Base. These field descriptions may vary by commodity, therefore the respective FAS Commodity divisions should be contacted for their precise definitions.



APPENDIX D

Country Names and OASIS and FAS Codes

<u>COUNTRY NAME</u>	<u>TWO CHARACTER OASIS ALPHA CODE FOR SPEAKEZ USE</u>	<u>3 DIGIT FAS PSD CODE</u>
Afghanistan	AF	531
Albania	AL	481
Algeria	DZ	721
Angola	AO	762
Argentina	AR	357
Australia	AU	602
Austria	AT	433
Bahrain	BH	525
Bangladesh	BD	538
Belgium/Luxembourg	BL	423
Belgium	BE	424
Belize	BZ	208
Bolivia	BO	335
Brazil	BR	351
Bulgaria	BG	487
Burma	BU	546
Burundi	BI	767
Cambodia	KH	555
Cameroon	CM	742
Canada	CA	122
Chile	CL	337
China, Peoples Republic	CN	570
Colombia	CO	301
Costa Rica	CR	223
Cuba	CU	239
Cyprus	CY	491
Czechoslovakia	CS	435
Dahomey	DY	761
Denmark	DK	409
Dominican Republic	DO	247
Ecuador	EC	331
Egypt	EG	729
El Salvador	SV	211
Ethiopia	ET	774
Fiji	FJ	621
Finland	FI	405
France	FR	427
Gabon	GA	755
Gambia	GM	750
Germany, Dem. Rep.	DD	429
Germany, Fed. Rep.	DE	428
Ghana	GH	749
Greece	GR	484
Greenland	GL	101
Guatemala	GT	205
Guinea	GN	746

APPENDIX D
Country Names and OASIS and FAS Codes

<u>COUNTRY NAME</u>	<u>TWO CHARACTER OASIS ALPHA CODE FOR SPEAKEZ USE</u>	<u>3 DIGIT FAS PSD CODE</u>
Guinea-Bissau (Western Africa Nec)	GW	764
Guyana	GY	312
Haiti	HT	245
Honduras	HN	215
Hong Kong	HK	582
Hungary	HU	437
Iceland	IS	400
India	IN	533
Indonesia	ID	560
Iran	IR	507
Iraq	IQ	505
Ireland	IE	419
Israel	IL	508
Italy	IT	475
Ivory Coast	CI	748
Jamaica	JM	242
Japan	JP	588
Jordan	JO	511
Kenya	KE	779
Khmer Rep.	KH	555
Korea, Dem. People's Rep.	KP	579
Korea, Rep. (Taiwan)	KR	580
Kuwait	KW	513
Laos	LA	552
Lebanon	LE	504
Liberia	LR	765
Libya	LY	725
Luxembourg	LU	425
Malagasy Rep. (Madagascar)	MG	788
Malawi	MW	797
Malaysia	MY	557
Mali	ML	745
Malta	MT	473
Mauritania	MR	741
Mauritius	MU	784
Mexico	MX	201
Mongolia	MN	574
Morocco	MA	714
Mozambique	MZ	787
Namibia	NA	792
Nepal	NP	536
Netherlands	NL	421
New Zealand	NZ	613
Nicaragua	NI	219
Niger	NE	751
Nigeria	NG	753
Norway	NO	403
North Korea	NK	579
Pakistan	PK	535

Country Names and OASIS and FAS Codes

<u>COUNTRY NAME</u>	<u>TWO CHARACTER OASIS ALPHA CODE FOR SPEAKEZ USE</u>	<u>3 DIGIT FAS PSD CODE</u>
Panama	PA	225
Papua New Guinea	PG	605
Paraguay	PY	353
Peru	PE	333
Philippines	PH	565
Poland	PL	455
Portugal	PT	471
Rhodesia	RH	796
Romania	RO	485
Rwanda	RW	769
Ryukyu	RY	590
Saudi Arabia	SA	517
Senegal	SN	744
Seychelles	SC	782
Sierra Leone	SL	747
Singapore	SG	559
Somali Rep.	SO	770
South Africa	ZA	791
South Korea	KR	580
South Vietnam	VN	551
South Yemen	SY	522
Spain	ES	469
Sri Lanka	LK	542
Sudan	SD	732
Surinam	SR	315
Sweden	SE	401
Switzerland	CH	441
Syria	SY	502
Taiwan (Rep. of China)	TA	583
Tanzania	TZ	783
Thailand	TH	549
Togo	TG	752
Trinidad-Tobago	TT	274
Tunisia	TN	723
Turkey	TR	489
Uganda	UG	778
Union of Soviet Socialist Republics	SU	461
United Arab Emirates	AE	520
United Kingdom	GB	412
United States	US/U9	104
Upper Volta	HV	760
Uruguay	UY	355
Venezuela	VE	307
Vietnam	VD	548
Yemen	YE	518
Yugoslavia	YU	479
Zaire	ZR	766
Zambia	ZM	794

APPENDIX E: TSO LISTING OF THE EZPSD PROCEDURE

```

/*****00000010
/*
/*
/*          JANUARY 30, 1979          *00000020
/* THE EZPSD PROCEDURE WAS WRITTEN BY WALTER HOUSER, ESCS, FDCD *00000030
/* THIS PROCEDURE ALLOWS ACCESS TO THE FOREIGN AGRICULTURAL SERVICE'S *00000040
/* P.S.D. DATA BASE USING EASYTRIEVE. THE OUTPUT IS EITHER A *00000050
/* LISTING OR A MEMBER IN A PARTITIONED DATA SET. IN THE LATTER CASE *00000060
/* A SET OF SPEAKEZ COMMANDS ARE GENERATED AND RUN USING THE PROGRAM *00000070
/* PSDGET TO TRANSFER THIS DATA INTO A CHECKPOINT (SPEKSAVE) FILE. *00000080
/* EZPSD MAY BE USED TO CREATE, EDIT AND SUBMIT BATCH SPEAKEZ JOBS. *00000090
/* THE HELP PARAGRAPH DESCRIBES THE ROUTINES THAT ARE AVAILABLE. *00000100
/*          W. HOUSER 1/30/79          *00000120
/*
/*****00000130
/*****00000140
CONTROL END(ENDO) NOFLUSH          00000150
WRITE WELCOME TO THE EZPSD SYSTEM. 00000160
WRITE F.A.S. PSD DATA OBTAINED HERE IS NOT FOR RELEASE 00000170
WRITE UNLESS CLEARED BY F.A.S. COMMODITY DIVISIONS. 00000180
START: WRITE                          00000190
SET &FILENAME EQ &STR(ERS45.ER3WH.PSDEZLST.DATA) 00000200
WRITE ENTER ROUTINE CODE (OR QUIT OR HELP) 00000210
READ &TASK                             00000220
ATTN DO                                  00000230
  IF &SYSPCMD EQ EDIT THEN END          00000240
  WRITE ATTENTION BREAK                 00000250
  ATTN                                  00000260
  GOTO START                             00000270
  ENDO                                   00000280
ERROR DO                                  00000290
  WRITE EZPSD SYSTEM ERROR. PLEASE SAVE YOUR OUTPUT AND CONTACT 00000300
  WRITE WALT HOUSER AT X76809.          00000310
  WRITE LASTCC=&LASTCC MAXCC=&MAXCC SYSPCMD=&SYSPCMD SYSSCMD=+ 00000320
  &SYSSCMD                               00000330
  IF &SYSPCMD EQ EDIT THEN END          00000340
  GOTO START                             00000350
  ENDO                                   00000360
IF &TASK EQ BR THEN SET &TASK EQ BRIDGE 00000370
ELSE IF &TASK EQ SPKB THEN SET &TASK EQ SPKBATCH 00000380
ELSE IF &TASK EQ SUMRGN THEN SET &TASK EQ SR 00000390
ELSE IF &TASK NE BRIDGE AND =          00000400
  &TASK NE CTRY AND =                   00000410
  &TASK NE CMDY AND =                   00000420
  &TASK NE RGN AND =                    00000430
  &TASK NE SUM AND =                    00000440
  &TASK NE SR AND =                     00000450
  &TASK NE SPKBATCH AND =               00000460
  &TASK NE SPKPROG AND =                00000470
  &TASK NE MAKERPT AND =                00000480
  &TASK NE TRENDS AND =                 00000490
  &TASK NE QUIT AND =                   00000500

```


APPENDIX E: TSO LISTING OF THE EZPSD PROCEDURE

```

WRITE                                     00001010
ENDD                                     00001020
IF &HELpname EQ TRENDS THEN DO          00001030
WRITE TRENDS    BATCH EXECUTION OF TRENDS OF FAS PSD DATA.  00001040
WRITE          FOUR FUNCTIONAL FORMS ARE USED: T,T**2,T**3,LOG Y. 00001050
WRITE          THE DATA IS SAVED IN A CHECKPOINT/SPEKSAVE FILE. 00001060
WRITE                                     00001070
ENDD                                     00001080
IF &HELpname EQ SPKBATCH THEN DO        00001090
WRITE SPKBATCH BATCH EXECUTION OF SPEAKEZ/FEDEASY.          00001100
WRITE          EXISTING COMMANDS MAY BE USED OR NEW        00001110
WRITE          COMMANDS ENTERED USING THE TSO EDITOR.      00001120
WRITE                                     00001130
ENDD                                     00001140
IF &HELpname EQ CTRY THEN DO            00001150
WRITE CTRY     BATCH LISTING OF ALL COMMODITY DATA FOR A GIVEN 00001160
WRITE          COUNTRY                                     00001170
WRITE                                     00001180
ENDD                                     00001190
IF &HELpname EQ CMDY THEN DO            00001200
WRITE CMDY     BATCH LISTING OF ALL COUNTRY DATA FOR A GIVEN 00001210
WRITE          COMMODITY                                   00001220
WRITE                                     00001230
ENDD                                     00001240
IF &HELpname EQ RGN THEN DO             00001250
WRITE RGN      BATCH LISTING OF DATA FOR A COMMODITY BY GOL REGIONS 00001260
WRITE                                     00001270
ENDD                                     00001280
IF &HELpname EQ SUM THEN DO             00001290
WRITE SUM      BATCH LISTING OF AGGREGATED DATA FOR SEVERAL  00001300
WRITE          COMPARABLE COMMODITIES. THE REPORT FORMAT WILL 00001310
WRITE          BE THE ONE NORMALLY USED FOR THE FIRST COMMODITY. 00001320
WRITE                                     00001330
ENDD                                     00001340
IF &HELpname EQ SR THEN DO              00001350
WRITE SUMRGN   BATCH LISTING OF AGGREGATED DATA FOR SEVERAL  00001360
WRITE          COMPARABLE COMMODITIES BY GOL REGION. THE REPORT 00001370
WRITE          FORMAT IS THE ONE NORMALLY USED FOR THE FIRST  00001380
WRITE          COMMODITY. SR IS A VALID ALIAS.              00001390
WRITE                                     00001400
ENDD                                     00001410
IF &HELpname EQ HELP THEN DO            00001420
WRITE HELP     PROVIDES THIS DOCUMENTATION ONCE AGAIN       00001430
WRITE                                     00001440
ENDD                                     00001450
IF &HELpname EQ MAKERPT THEN DO         00001460
WRITE MAKERPT  ALLOWS THE USER TO CREATE AND/OR CHANGE THE  00001470
WRITE          EASYTRIEVE PARAMETERS THAT COMPRISE THE COMMODITY 00001480
WRITE          REPORT FORMATS USED IN CMDY,RGN,SUM, AND SR.   00001490
WRITE          YOU MUST PROVIDE THE FAS 7 DIGIT COMMODITY CODE 00001500

```


APPENDIX E: TSO LISTING OF THE EZPSD PROCEDURE

WRITE	AND A ONE LETTER REPORT TYPE FOR AN EXISTING	00001510
WRITE	REPORT FORMAT, PREFERABLY ONE THAT IS SIMILAR	00001520
WRITE	TO THE ONE YOU WISH TO CREATE. ONCE YOU HAVE	00001530
WRITE	FOUND SUCH A FORMAT, YOU MAY EDIT IT WITH THE TSO	00001540
WRITE	EDITOR UNTIL YOU ARE SATISFIED. THESE PARAMETERS	00001550
WRITE	ARE SAVED AND A MESSAGE IS SENT TO WALT HOUSER	00001560
WRITE	(X76809) SO THAT HE CAN LOAD THEM INTO THE REPORT	00001570
WRITE	FORMAT DATA SET. ONCE THIS IS DONE, PLEASE DELETE	00001580
WRITE	THE WORK FILE YOU HAVE CREATED.	00001590
WRITE		00001600
WRITE	THE EASYTRIEVE STATEMENTS ARE OF THREE BASIC TYPES:	00001610
WRITE	THE FIRST IN ORDER OF APPEARANCE IS THE EQUATE	00001620
WRITE	STATEMENT, WHICH IS OPTIONAL. IT IS OF THE FORM:	00001630
WRITE	'X=(W 9 NO) = BSK + IMP + PRU'	00001640
WRITE	THE FIELD X WILL BE THE SUM OF BEGINNING STOCKS,	00001650
WRITE	IMPORTS, AND PRODUCTION (ASSUMING NORMAL FIELD	00001660
WRITE	ASSIGNMENTS). FOLLOWING THE X IN THE EQUATE	00001670
WRITE	STATEMENT IS THE FIELD DESCRIPTION (W 9 NO).	00001680
WRITE	THE 'W 9' MEANS THIS IS A WORK FIELD 9 DIGITS LONG.	00001690
WRITE	THE NO MEANS THAT THIS IS A QUANTITATIVE FIELD WITH	00001700
WRITE	ZERO (0) DECIMAL PLACES. FURTHER INFORMATION MAY	00001710
WRITE	BE FOUND IN THE EASYTRIEVE MANUAL.	00001720
WRITE		00001730
WRITE	THE NEXT STATEMENT IS THE TITLE STATEMENT. IT IS	00001740
WRITE	IN THE FORM:	00001750
WRITE	'T1SOYOIL (3143040) SUPPLY AND DISTRIBUTION'	00001760
WRITE	THE 1 AFTER THE T INDICATES THE LINE NUMBER; THERE	00001770
WRITE	CAN BE UP TO 4. THE TEXT FOLLOWING THE T1 WILL	00001780
WRITE	APPEAR ON THE FIRST TITLE LINE.	00001790
WRITE		00001800
WRITE	LAST IS THE LIST STATEMENT. IT IS IN THE FORM:	00001810
WRITE	'LIST SPACE 1 DETAIL SKIP YEAR MORE'	00001820
WRITE	THE SPACE 1 INDICATES THAT THERE IS TO BE ONE SPACE	00001830
WRITE	BETWEEN EACH COLUMN ON THE REPORT. THE DETAIL SAYS	00001840
WRITE	ALL DATA LINES ARE TO BE PRINTED. THE SKIP CAUSES	00001850
WRITE	THE REPORT TO BE DOUBLE SPACED. YEAR IS THE COLUMN	00001860
WRITE	OF YEARS. IF THE LIST STATEMENT IS NOT COMPLETED,	00001870
WRITE	THE LAST ENTRY ON THE LINE SHOULD BE 'MORE'.	00001880
WRITE	NEXT YOU WILL FIND THE 3 CHARACTER FAS ATTRIBUTE	00001890
WRITE	CODE WITH THE COLUMN HEADERS IMMEDIATELY FOLLOWING	00001900
WRITE	IN SINGLE QUOTES: PRU 'PRODUCTION' MORE	00001910
WRITE	EACH HEADER MAY BE 3 LINES OF NO MORE THAN 10	00001920
WRITE	CHARACTERS PER LINE, FOR A MAXIMUM OF 30 CHARACTERS	00001930
WRITE	PER ATTRIBUTE. EACH LINE MUST BE SEPARATED BY COMMAS.	00001940
WRITE	EMBEDDED BLANKS MUST BE REPLACED BY ASTERIX (*).	00001950
WRITE	FOR EXAMPLE: HAR 'AREA, HARVESTED, IN*HECTARE' MORE	00001960
WRITE	THE LAST COLUMN ENTRY MUST NOT HAVE A MORE AFTER IT.	00001970
WRITE		00001980
WRITE	IF YOU ARE PATIENT ENOUGH TO READ THIS FAR, THEN	00001990
WRITE	I'LL BE HEARING FROM YOU.	00002000

APPENDIX E: TSO LISTING OF THE EZPSO PROCEDURE

WRITE	WALT HOUSER X76A09	00002010
WRITE		00002020
END0		00002030
IF &HELNAME EQ QUIT THEN DO		00002040
WRITE QUIT	WHEN YOU ARE DONE WITH EZPSO.	00002050
WRITE		00002060
END0		00002070
GOTO HELP		00002080
TRENDS: IF &TASK EQ TRENDS THEN +		00002090
WRITE THIS JOB RUNS TRENDS ON THE FAS PSD DATA		00002100
BRIDGE: IF &TASK EQ BRIDGE THEN WRITE THIS IS A PSD BRIDGE TO SPEAKEZ		00002110
SPKPRUG: IF &TASK EQ SPKPRUG THEN -		00002120
WRITE THIS JOB RUNS A USER DESIGNED SPEAKEZ PROGRAM ON FAS DATA		00002130
BR1: WRITE ENTER THE COUNTRY NAME		00002140
READ		00002150
IF &STR(&SYSDVAL) NE &STR() THEN SET &COUNTRY EQ &STR(&SYSDVAL)		00002160
WRITE ENTER THE 2 CHARACTER OASIS COUNTRY CODE		00002170
READ		00002180
IF &STR(&SYSDVAL) NE &STR() THEN READDOVAL &CT2		00002190
WRITE ENTER THE 3 DIGIT FAS COUNTRY CODE		00002200
READ		00002210
IF &STR(&SYSDVAL) NE &STR() THEN READDOVAL &CTCODE3		00002220
WRITE ENTER THE COMMODITY NAME		00002230
READ		00002240
IF &STR(&SYSDVAL) NE &STR() THEN SET &COMMOD EQ &STR(&SYSDVAL)		00002250
WRITE ENTER THE 2 CHARACTER OASIS COMMODITY CODE		00002260
READ		00002270
IF &STR(&SYSDVAL) NE &STR() THEN READDOVAL &CM2		00002280
WRITE ENTER THE 7 DIGIT FAS COMMODITY CODE		00002290
READ		00002300
IF &STR(&SYSDVAL) NE &STR() THEN READDOVAL &CMCODE7		00002310
WRITE &COMMOD DATA FOR &COUNTRY WILL BE SAVED ON +		00002320
&SYSPREF.,&CM2&CT2.,SPEKSAVE.		00002330
WRITE THE FAS COMMODITY CODE IS ...&CMCODE7 AND COUNTRY CODE IS +		00002340
&CTCODE3.,		00002350
WRITE IS THIS CORRECT? (Y OR N)		00002360
READ &ANS		00002370
IF &ANS NE Y AND &ANS NE YES THEN DO		00002380
WRITE PLEASE TRY AGAIN.		00002390
GOTO BR1		00002400
END0		00002410
WRITE ENTER NO MORE THAN 7 PSD 3 CHARACTER ATTRIBUTE CODES		00002420
WRITE IN THIS FORMAT: AHH,SPR,SPC,SMC,UXC,UDC,COI		00002430
WRITE THE YEAR INDEX IS AUTOMATICALLY &CM2.YER&CT2.; IF THE		00002440
WRITE CODES ARE UNCHANGED FROM THE PRECEDING BRIDGE, ENTER SAME.		00002450
BROG1: READ		00002460
IF &STR(&SYSDVAL) NE SAME THEN SET &ATTRLIST EQ &STR(&SYSDVAL)		00002470
IF &STR(&SYSDVAL) NE SAME THEN -		00002480
READDOVAL &ATTR1,&ATTR2,&ATTR3,&ATTR4,&ATTR5,&ATTR6,&ATTR7		00002490
IF &ATTR1=&STR() THEN DO		00002500

APPENDIX E: TSO LISTING OF THE EZPSD PROCEDURE

WRITE NO ATTRIBUTES SPECIFIED. PLEASE RE-ENTER.	00002510
GOTO BRDGI	00002520
ENDD	00002530
WRITE &ATTRLST	00002540
WRITE IS THIS CORRECT? (Y OR N)	00002550
READ &ANS	00002560
IF &ANS NE Y AND &ANS NE YES THEN DO	00002570
WRITE PLEASE TRY AGAIN	00002580
GOTO BRDGI	00002590
ENDD	00002600
IF &ATTR2 EQ &STR() THEN SET &ATTR2=&STR(999999999)	00002610
IF &ATTR3 EQ &STR() THEN SET &ATTR3=&STR(999999999)	00002620
IF &ATTR4 EQ &STR() THEN SET &ATTR4=&STR(999999999)	00002630
IF &ATTR5 EQ &STR() THEN SET &ATTR5=&STR(999999999)	00002640
IF &ATTR6 EQ &STR() THEN SET &ATTR6=&STR(999999999)	00002650
IF &ATTR7 EQ &STR() THEN SET &ATTR7=&STR(999999999)	00002660
CONTROL NOMSG	00002670
ERROR GOTO ER1	00002680
DEL &CM2&CT2.,.SPEKSAVE	00002690
ER1: CONTROL MSG	00002700
ERROR DO	00002710
WRITE EZPSD SYSTEM ERROR. PLEASE SAVE YOUR OUTPUT AND CONTACT	00002720
WRITE WALT HOUSER AT X76809.	00002730
WRITE LASTCC=&LASTCC MAXCC=&MAXCC SYSPCMD=&SYSPCMD SYSSCMD=&	00002740
&SYSSCMD	00002750
GOTO START	00002760
ENDD	00002770
GOTO JORCARD	00002780
SPKBATCH: WRITE THIS IS A SPEAKEZ BATCH RUN.	00002790
SET &CHKFILE EQ &STR()	00002800
WRITE DO YOU ALREADY HAVE A FILE OF SPEAKEZ COMMANDS? (Y OR N)	00002810
READ &ANS	00002820
IF &ANS EQ N OR &ANS EQ NO THEN DO	00002830
SET &EDITDA=&STR('SYS1.CLIST(DUMMY)' DATA)	00002840
WRITE IF YOU SAVE THESE SPEAKEZ COMMANDS WHILE IN THE TSO EDITOR	00002850
WRITE (SAVE XXX), THEN ITS NAME WILL BE &SYSPREF.,XXX.DATA	00002860
ENDD	00002870
ELSE DO	00002880
WRITE ENTER THE NAME OF THIS FILE (&SYSPREF IS ASSUMED).	00002890
READ &EDITDA	00002900
ENDD	00002910
GOTO JORCARD	00002920
CTRY: WRITE THIS IS A COUNTRY BATCH RUN	00002930
WRITE ENTER THE 3 DIGIT FAS PSD COUNTRY NUMBER	00002940
SET &REPORT=&SANDD	00002950
READ	00002960
IF &STR(&SYSDVAL) NE &STR() THEN READOVAL &CODE	00002970
SET &PROCNAME=EZPSDCTY	00002980
GOTO JORCARD	00002990
COMDY: WRITE THIS IS A COMMODITY BATCH RUN	00003000

APPENDIX B: LISTING OF THE EZPSO PROCEDURE

SET &PROCNAME=EZPSDDCY	00003010
WRITE ENTER THE 7 DIGIT FAS PSD COMMODITY NUMBER	00003020
READ	00003030
IF &STR(&SYSDVAL) NE &STR() THEN READDVAL &CODE	00003040
WRITE ENTER THE ONE LETTER REPORT TYPE	00003050
READ	00003060
IF &STR(&SYSDVAL) NE &STR() THEN READDVAL &REPORT	00003070
WRITE ARE YOU USING THE STANDARD REPORT FORMATS? (Y OR N)	00003080
READ &ANS	00003090
IF &ANS EQ N OR &ANS EQ NO THEN DO	00003100
WRITE ENTER THE NAME OF YOUR REPORT FORMAT FILE (&SYSPREF IS +	00003110
ASSUMED).	00003120
READ &FILENAME	00003130
SET &FILENAME EQ &SYSPREF.,.&FILENAME	00003140
ENDC	00003150
GOTO JOBCARD	00003160
RGN: WRITE THIS IS A GOL REGION BATCH RUN	00003170
SET &PROCNAME=EZPSDRGN	00003180
WRITE ENTER THE 7 DIGIT FAS PSD COMMODITY NUMBER	00003190
READ	00003200
IF &STR(&SYSDVAL) NE &STR() THEN READDVAL &CODE	00003210
WRITE ENTER THE ONE LETTER REPORT TYPE	00003220
READ	00003230
IF &STR(&SYSDVAL) NE &STR() THEN READDVAL &REPORT	00003240
WRITE ARE YOU USING THE STANDARD REPORT FORMATS? (Y OR N)	00003250
READ &ANS	00003260
IF &ANS EQ N OR &ANS EQ NO THEN DO	00003270
WRITE ENTER THE NAME OF YOUR REPORT FORMAT FILE (&SYSPREF IS +	00003280
ASSUMED).	00003290
READ &FILENAME	00003300
SET &FILENAME EQ &SYSPREF.,.&FILENAME	00003310
ENDC	00003320
GOTO JOBCARD	00003330
SUM: IF &TASK EQ SUM THEN DO	00003340
WRITE THIS IS A COMMODITY SUMMATION BATCH RUN	00003350
SET &PROCNAME=EZPSDSUM	00003360
ENDC	00003370
SR: IF &TASK EQ SR THEN DO	00003380
WRITE THIS IS A COMMODITY SUMMATION BY GOL REGION, BATCH RUN	00003390
SET &PROCNAME=EZPSOSR	00003400
ENDC	00003410
WRITE YOU MAY ENTER AS MANY AS 8 OF THE 7 DIGIT FAS PSD	00003420
WRITE COMMODITY CODES. THEY MUST BE IN ASCENDING ORDER, IN	00003430
WRITE THE FOLLOWING FORMAT: 5311000,5312000,5313000,5324000,...	00003440
SUM1: READ	00003450
WRITE &SYSDVAL	00003460
WRITE IS THIS CORRECT? (Y OR N).	00003470
READ &ANS	00003480
IF &ANS NE Y AND &ANS NE YES THEN DO	00003490
WRITE PLEASE TRY AGAIN	00003500

APPENDIX E: TSO LISTING OF THE EZPSD PROCEDURE

```

GOTO SUM1
END0
READOVAL SUMCD1,SUMCD2,SUMCD3,SUMCD4,SUMCD5,SUMCD6,SUMCD7,SUMCD8
SET &LOWCODE=&SUMCD1
IF &SUMCD8 NE &STR() THEN DO
  SET &HIGHCODE=&SUMCD8
  SET &MIDCODES=&STR(&SUMCD1_&SUMCD2_&SUMCD3_&SUMCD4_&SUMCD5+
    _&SUMCD6_&SUMCD7_&SUMCD8)
  ENDO
ELSE IF &SUMCD7 NE &STR() THEN DO
  SET &HIGHCODE=&SUMCD7
  SET &MIDCODES=&STR(&SUMCD1_&SUMCD2_&SUMCD3_&SUMCD4_&SUMCD5+
    _&SUMCD6_&SUMCD7)
  ENDO
ELSE IF &SUMCD6 NE &STR() THEN DO
  SET &HIGHCODE=&SUMCD6
  SET &MIDCODES=&STR(&SUMCD1_&SUMCD2_&SUMCD3_&SUMCD4_&SUMCD5+
    _&SUMCD6)
  ENDO
ELSE IF &SUMCD5 NE &STR() THEN DO
  SET &HIGHCODE=&SUMCD5
  SET &MIDCODES=&STR(&SUMCD1_&SUMCD2_&SUMCD3_&SUMCD4_&SUMCD5)
  ENDO
ELSE IF &SUMCD4 NE &STR() THEN DO
  SET &HIGHCODE=&SUMCD4
  SET &MIDCODES=&STR(&SUMCD1_&SUMCD2_&SUMCD3_&SUMCD4)
  ENDO
ELSE IF &SUMCD3 NE &STR() THEN DO
  SET &HIGHCODE=&SUMCD3
  SET &MIDCODES=&STR(&SUMCD1_&SUMCD2_&SUMCD3)
  ENDO
ELSE IF &SUMCD2 NE &STR() THEN DO
  SET &HIGHCODE=&SUMCD2
  SET &MIDCODES=&STR(&SUMCD1_&SUMCD2)
  ENDO
ELSE DO
  *WRITE ONLY ONE CODE ENTERED
  *WRITE PLEASE TRY AGAIN
  GOTO SUM1
  ENDO
*WRITE ENTER THE REPORT FORMAT (USUALLY 4)
READ
IF &STR(&SYSOVAL) NE &STR() THEN READOVAL &REPORT
*WRITE ARE YOU USING THE STANDARD REPORT FORMATS? (Y OR N)
READ &ANS
IF &ANS EQ N OR &ANS EQ NO THEN DO
  *WRITE ENTER THE NAME OF YOUR REPORT FORMAT FILE (&SYSREF IS +
    ASSUMED).
  READ &FILENAME
  SET &FILENAME EQ &SYSREF'.'&FILENAME

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APPENDIX E: TSO LISTING OF THE EZPSD PROCEDURE

END00	00004010
GOTO JORCARD	00004020
MAKERPT: WRITE THIS ROUTINE WILL CREATE OR CHANGE EASYTRIEVE	00004030
WRITE PARAMETERS FOR A COMMODITY REPORT.	00004040
IF &SYSPREF NE ERS45 THEN DO	00004050
WRITE ENTER THE NAME OF YOUR REPORT FORMAT FILE	00004060
WRITE IF YOU DON'T HAVE ONE, ENTER 'EZPSD.DATA'. +	00004070
(&SYSPREF IS ASSUMED.)	00004080
READ &FILENAME	00004090
SET &FILENAME EQ &SYSPREF.,.&FILENAME	00004100
END00	00004110
WRITE ENTER THE 7 DIGIT FAS COMMODITY CODE	00004120
READ	00004130
IF &STR(&SYSDVAL) NE &STR() THEN READDVAL &CODE	00004140
CONTROL NOMSG	00004150
SET &SAVECODE=&CODE	00004160
WRITE ENTER THE REPORT TYPE (USUALLY A FOR THE FIRST REPORT).	00004170
READ &TYPE	00004180
SET &SAVETYPE=&TYPE	00004190
ERROR DO	00004200
WRITE THE REQUESTED REPORT TYPE &TYPE DOES NOT EXIST FOR +	00004210
COMMODITY CODE &CODE IN &TEXT.	00004220
WRITE ENTER AN ALTERNATIVE 7 DIGIT CODE FOR A COMPARABLE COMMO+	00004230
DITY.	00004240
READ	00004250
IF &STR(&SYSDVAL) NE &STR() THEN READDVAL &CODE	00004260
WRITE &CODE	00004270
WRITE ENTER THE REPORT TYPE (USUALLY A).	00004280
READ &TYPE	00004290
WRITE &TYPE	00004300
END00	00004310
WRITE ARE YOU USING ONE OF THE STANDARD REPORT FORMATS? (Y OR N)	00004320
READ &ANS	00004330
IF &ANS EQ Y OR &ANS EQ YES OR &ANS EQ &STR() THEN DO	00004340
SET &TEXT EQ &STR(THE FILE OF STANDARD REPORT FORMATS)	00004350
EDIT 'ERS45,ER3WH,PSDEZLST,DATA(&TYPE&CODE)' OLD DATA NONUM	00004360
END00	00004370
ELSE DO	00004380
SET &TEXT EQ &FILENAME	00004390
EDIT '&FILENAME(&TYPE&CODE)' OLD DATA NONUM	00004400
END00	00004410
WRITE YOU MAY ADD AND CHANGE THESE PARAMETERS USING THE TSO EDITOR.	00004420
WRITE SEND 'STOP' WHEN YOU ARE FINISHED.	00004430
TERMIN STOP	00004440
ERROR DO	00004450
WRITE THE REQUESTED REPORT TYPE &SAVETYPE ALREADY EXISTS FOR +	00004460
COMMODITY CODE &SAVECODE IN &FILENAME.	00004470
WRITE ENTER AN ALTERNATIVE 7 DIGIT CODE FOR A COMPARABLE COMMO+	00004480
DITY.	00004490
READ	00004500

APPENDIX E: TSO LISTING OF THE EZPSD PROCEDURE

```

IF &STR(&SYSDVAL) NE &STR() THEN READDVAL &SAVECODE          00004510
WRITE &SAVECODE                                             00004520
WRITE ENTER THE REPORT TYPE (USUALLY A).                    00004530
READ &SAVETYPE                                              00004540
WRITE &SAVETYPE                                             00004550
END0                                                         00004560
IF &SYSPREF NE ERS45 THEN DO                                00004570
  SAVE '&FILENAME(&SAVETYPE&SAVECODE)'  
  WRITE '&FILENAME(&SAVETYPE&SAVECODE) HAS BEEN CREATED.'  00004580
END0                                                         00004590
ELSE DO                                                     00004600
  SAVE 'ERS45.ER3WH.PSDEZLST.DATA(&SAVETYPE&SAVECODE)'  
  WRITE &SAVETYPE&SAVECODE MEMBER ADDED TO ER3WH.PSDEZLST.DATA 00004620
END0                                                         00004630
END                                                         00004640
GOTO START                                                 00004650
JOB CARD: WRITE ENTER THE JOBNAME                          00004660
READ                                                         00004670
IF &STR(&SYSDVAL) NE &STR() THEN READDVAL &JOBNAME        00004680
WRITE ENTER YOUR 10 DIGIT ACCOUNT NUMBER                   00004690
READ                                                         00004700
IF &STR(&SYSDVAL) NE &STR() THEN READDVAL &ACCOUNT        00004710
WRITE ENTER THE NUMBER OF COPIES DESIRED                   00004720
READ                                                         00004730
IF &STR(&SYSDVAL) NE &STR() THEN READDVAL &NCOPY          00004740
WRITE ENTER THE REMOTE TERMINAL (RMT13 FOR ESCS OR RMT3 FOR FAS) 00004750
READ                                                         00004760
IF &STR(&SYSDVAL) NE &STR() THEN READDVAL &ROUTE          00004770
WRITE IS THE OUTPUT TO BE ON XEROX? (Y OR N)              00004780
READ &ANS                                                    00004790
IF &ANS=YES OR &ANS=N THEN -                               00004800
  DO                                                         00004810
    SET &FORM=XEROX                                         00004820
    WRITE YOU MUST GIVE THE OPERATOR A REQUEST FORM FOR XEROX 00004830
    WRITE PROCESSING. PLEASE ALLOW 3 DAYS.                  00004840
    SET &SYSOUT=D                                           00004850
  ENDO                                                       00004860
ELSE DO                                                     00004870
  SET &FORM=1431                                           00004880
  SET &SYSOUT=A                                           00004890
END0                                                         00004900
PRIORITY: SET &PANS EQ NO                                   00004910
PRY11 WRITE WHAT IS YOUR PRIORITY?                         00004920
WRITE (1 FOR WEEKEND, 3 FOR AVERAGE, AND 13 FOR ASAP)     00004930
READ                                                         00004940
IF &STR(&SYSDVAL) NE &STR() THEN READDVAL &PRTY          00004950
IF &PRTY EQ 13 AND &PANS EQ NO THEN DO                     00004960
  WRITE PRIORITY 13 COSTS THREE TIMES THAT OF PRIORITY 3.  00004970
  WRITE DO YOU WISH TO CHANGE PRIORITY? (Y OR N)           00004980
  READ &PANS                                                00004990

```


APPENDIX E: LISTING OF THE EZPSD PROCEDURE

```

IF &PANS EQ Y OR &PANS EQ YES THEN GOTO PRTY1
ENDDO
WRITE WHAT IS THE JOB CLASS? (USUALLY C)
READ
IF &STR(&SYSDVAL) NE &STR( ) THEN READDVAL &CLASS
IF &CLASS=C THEN DO
  SET &MINUTES=0
  SET &SECONDS=20
ENDDO
ELSE IF &CLASS=D THEN DO
  SET &MINUTES=2
  SET &SECONDS=0
ENDDO
ELSE DO
  WRITE ENTER THE NUMBER OF MINUTES ALLOWED FOR CLASS &CLASS
  READ &MINUTES
  WRITE ENTER THE NUMBER OF SECONDS PERMITTED
  READ &SECONDS
ENDDO
WRITE
WRITE JOBNAME=&JOBNAME ACCOUNT=&ACCOUNT COPIES=&NCOPY
WRITE ROUTE=&ROUTE FORM=&FORM PRIORITY=&PRTY CLASS=&CLASS
WRITE
WRITE IS THIS CORRECT? (Y OR N)
READ &ANS
IF &ANS EQ N OR &ANS EQ NO THEN DO
  WRITE PLEASE TRY AGAIN
  GOTO JOBCARD
ENDDO
EXEC1: IF &TASK=CTRY OR &TASK=CMDY OR &TASK=RGH THEN +
EXEC 'ERS45,ER3WH,PSDFZLST,DATA(&PROCNAME)' +
  '%CODE &REPORT &JOBNAME &NCOPY &ACCOUNT &ROUTE &SYSOUT +
  &FORM &PRTY &CLASS &MINUTES &SECONDS, &FILENAME '
IF &TASK=SUM OR &TASK=SR THEN -
EXEC 'ERS45,ER3WH,PSDFZLST,DATA(&PROCNAME)' -
  '%LOWCODE &MIDCODES &HIGHCODE +
  &REPORT &JOBNAME &NCOPY &ACCOUNT &ROUTE &SYSOUT +
  &FORM &PRTY &CLASS &MINUTES &SECONDS &FILENAME '
IF &TASK=BRIDGE OR &TASK=TRENDS OR &TASK=SPKPROG THEN DO
WRITE THE VARIABLE NAMES ARE ELEMENTS OF &CM2&CT2,LST AND +
AND THEY ARE IN AN ARGUMENT LIST CALLED &CM2&CT2,ARG.
EDIT 'ERS45,ER3WH,PSDFZLST,DATA(TRENDS)' OLD DATA
C 10 /JOBNAME/&JOBNAME/
C 10 /NCOPY/&NCOPY/
C 10 /ACCOUNT/&ACCOUNT/
C 20 /TSUID/&SYSUID/
C 20 /PRIOR/&PRTY/
C 30 /CLASS/&CLASS/
C 30 /MINUTES/&MINUTES/
C 30 /SECONDS/&SECONDS/

```


APPENDIX E: TSO LISTING OF THE EZPSD PROCEDURE

```

C 40 /LOCAL/&ROUTE/
C 60 /SSYSOUT/&SYSROUT/
C 60 /PSDFORM/&FURM/
C 1 9999 /PREFIX/&SYSPREF/A
C 1 9999 /CM2/&CM2/A
C 1 9999 /CT2/&CT2/A
TOP
F /"TITLE"/
C /"TITLE"/"&COUNTRY &COMMUD"/
C 1 9999 /CMDCITY/&CMCODE7&CTCODE3/A
C 650 1000 /ATTR1/&ATTR1/A
C 650 1000 /ATTR2/&ATTR2/A
C 650 1000 /ATTR3/&ATTR3/A
C 650 1000 /ATTR4/&ATTR4/A
C 650 1000 /ATTR5/&ATTR5/A
C 650 1000 /ATTR6/&ATTR6/A
C 650 1000 /ATTR7/&ATTR7/A
TOP
F /ATTR=NAMELIST/
C * 2 /,999999999//A
IF &TASK=SPKPROG THEN DO
  F /TRENDECK/
  WRITE ENTER THE SPEAKEZ PROGRAM NAME (IT MUST BE IN DECK FORMAT
  WRITE IN YOUR MYKEEP FILE &SYSPREF.,SPEAKEZ.MYKEEP.DATA).
  HEAD &SPKPGM
  WRITE &CM2.&CT2.LST IS SET TO 'VARLIST' AND THE YEARS +
  (60,61,...,79) ARE IN 'T'.
  C /TRENDECK/&SPKPGM./
  F /TRENDECK/
  C /TRENDECK ON ERS45/&SPKPGM/
  ENDO
IF &TASK=BRIDGE THEN DO
  F /LOAD ULSQ/
  DEL * 11
  ENDO
IF &TASK EQ BRIDGE OR &TASK EQ TRENDS THEN DO
  F /OASIS.MYKEEP/
  DEL * 1
  ENDO
UNNUM
SUBMIT
END
ENDO
IF &TASK EQ SPKBATCH THEN DO
  WRITE ENTER THE SPEAKEZ COMMANDS AND EDIT THEM WITH TSO EDITOR.
  WRITE CHANGES WILL NOT BE MADE TO THE ORIGINAL FILE UNLESS YOU
  WRITE SAVE THEM. SEND 'STOP' WHEN YOU ARE FINISHED.
  EDIT &EDITDA
  IF &EDITDA EQ &STR('SYS1,CLIST(DUMMY)' DATA) THEN DEL 10
  TERMIN STOP

```

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APPENDIX E: TSO LISTING OF THE EZPSD PROCEDURE

```

V OFF
TOP
INSERT //&JOBNAME JOB (&ACCOUNT',TSO00,,,,,&NCOPY.),
INSERT //      'SPKBATCH',
INSERT //      MSGLEVEL=1,PRTY=&PRTY.,NOTIFY=&SYSUID.,
INSERT //      TIME=(&MINUTES.,&SECONDS.),CLASS=&CLASS.
INSERT /?ROUTE PRINT &ROUTE.
INSERT //STEP2 EXEC ERSOASIS,REGION.OASIS=600K
INSERT //OASIS.SPEAKIN DD *
BOTTOM
WRITE ARE YOU USING A MYKEEP FILE WITH A NONSTANDARD NAME? (Y OR N)
READ &ANS
IF &ANS EQ Y OR &ANS EQ YES THEN DO
  WRITE ENTER THE FILE NAME, FULLY QUALIFIED WITH PREFIX AND SUFFIX
  READ &MYFILE
  WRITE ENTER THE LIBRARY (OR DD) NAME (LESS THAN 8 CHARACTERS)
  READ &MYDD
  INSERT //OASIS.&MYDD DD DSN=&MYFILE.,
  INSERT //      DISP=SHR
  ENDD
WRITE ARE YOU USING A MYKEEP FILE WITH A STANDARD NAME? (Y OR N)
READ &ANS
IF &ANS EQ Y OR &ANS EQ YES THEN DO
  INSERT //OASIS.MYKEEP DD DSN=&SYSPREF.,SPEAKEZ.MYKEEP.DATA,
  INSERT //      DISP=SHR
  ENDD
WRITE WILL YOU BE USING A CHECKPOINT FILE? (Y OR N)
READ &ANS
IF &ANS EQ Y OR &ANS EQ YES THEN DO
  WRITE ENTER ONE NAME ONLY
  READ &CHKFILE
  WRITE &SYSPREF.,&CHKFILE.,SPEKSAVE MUST ALREADY EXIST.
  INSERT //OASIS.&CHKFILE. DD DSN=&SYSPREF.,&CHKFILE.,SPEKSAVE,
  INSERT //      DISP=SHR
  ENDD
INSERT //
TOP
FIND M/?M
C * M/?M/*MA
UNNUM
SUBMIT
END
ENDD
FREEALL
GOTO START
QUIT: WRITE THANK YOU FOR USING EZPSD
END

```

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