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# Mission Power Plus Ice Cube Data

# This file contains information on a sample mission program to control a prototype
# Mission Power Plus ice cube tray. The program controls the ice cube tray and
# a pump and accumulator. Since circumstances may vary dramatically in another ice
# cube tray, this program is not intended to be a complete ready-to-use program.
# Rather, it is intended to be a starting point for those who want to use Mission
# Power Plus with an Mission Programmable Power Supply. Before using this
# program, you should carefully study the program and make changes as required to
# suit your ice cube tray. Pay particular attention to the Mission Power Plus Ports
# and Pins section. Make sure that the assignments are correct for your ice cube
# tray. Also, keep in mind that the Mission Power Plus Ports and Pins section
# assumes that the Mission Power Plus is mounted in a Mission Power Plus Rack.
# If this is not the case, then the ports and pins will be different. Also, the
# Mission Power Plus Ports and Pins section assumes that the Mission Power Plus
# is installed in slot 1 of the Mission Power Plus Rack. If the Mission Power Plus
# is installed in slot 2, then the ports and pins will be different. Finally,
# the Mission Power Plus Ports and Pins section assumes that the Mission Power Plus
# is installed in slot 1 of the Mission Programmable Power Supply. If the Mission
# Power Plus is installed in slot 2, then the ports and pins will be different.
# Finally, keep in mind that this data is intended to typify the following command lists
# and data tables.
# Mission Power Plus Ice Cube Data
# The program begins with a short, 100-line initialization section.
# Initialization Section
# ---------------------
# Initialize
# Set Mission Power Plus Ports and Pins
# Initialize Mission Power Plus
# Initialize Mission Programmable Power Supply
# Initialize Ice Cube Tray
# Initialize Pump
# Initialize Accumulator
# Initialize Variables
# Initialize Mission Power Plus
# ---------------------
# Initialize
# Set Mission Power Plus Ports and Pins
# Initialize Mission Programmable Power Supply
# Initialize Ice Cube Tray
# Initialize Pump
# Initialize Accumulator
# Initialize Variables
# Set Mission Power Plus Ports and Pins
# ---------------------
# Set Mission Power Plus Ports and Pins
# Set Mission Power Plus Port 1 Pin 1 Output
# Set Mission Power Plus Port 1 Pin 2 Output
# Set Mission Power Plus Port 1 Pin 3 Output
# Set Mission Power Plus Port 1 Pin 4 Output
# Set Mission Power Plus Port 1 Pin 5 Output
# Set Mission Power Plus Port 1 Pin 6 Output
# Set Mission Power Plus Port 1 Pin 7 Output
# Set Mission Power Plus Port 1 Pin 8 Output
# Set Mission Power Plus Port 2 Pin 1 Output
# Set Mission Power Plus Port 2 Pin 2 Output
# Set Mission Power Plus Port 2 Pin 3 Output
# Set Mission Power Plus Port 2 Pin 4 Output
# Set Mission Power Plus Port 2 Pin 5 Output
# Set Mission Power Plus Port 2 Pin 6 Output
# Set Mission Power Plus Port 2 Pin 7 Output
# Set Mission Power Plus Port 2 Pin 8 Output
# Set Mission Power Plus Port 3 Pin 1 Output
# Set Mission Power Plus Port 3 Pin 2 Output
# Set Mission Power Plus Port 3 Pin 3 Output
# Set Mission Power Plus Port 3 Pin 4 Output
# Set Mission Power Plus Port 3 Pin 5 Output
# Set Mission Power Plus Port 3 Pin 6 Output
# Set Mission Power Plus Port 3 Pin 7 Output
# Set Mission Power Plus Port 3 Pin 8 Output
# Set Mission Power Plus Port 4 Pin 1 Output
# Set Mission Power Plus Port 4 Pin 2 Output
# Set Mission Power Plus Port 4 Pin 3 Output
# Set Mission Power Plus Port 4 Pin 4 Output
# Set Mission Power Plus Port 4 Pin 5 Output
# Set Mission Power Plus Port 4 Pin 6 Output
# Set Mission Power Plus Port 4 Pin 7 Output
# Set Mission Power Plus Port 4 Pin 8 Output
# Set Mission Power Plus Port 5 Pin 1 Output
# Set Mission Power Plus Port 5 Pin 2 Output
# Set Mission Power Plus Port 5 Pin 3 Output
# Set Mission Power Plus Port 5 Pin 4 Output
# Set Mission Power Plus Port 5 Pin 5 Output
# Set Mission Power Plus Port 5 Pin 6 Output
# Set Mission Power Plus Port 5 Pin 7 Output
# Set Mission Power Plus Port 5 Pin 8 Output
# Set Mission Power Plus Port 6 Pin 1 Output
# Set Mission Power Plus Port 6 Pin 2 Output
# Set Mission Power Plus Port 6 Pin 3 Output
# Set Mission Power Plus Port 6 Pin 4 Output
# Set Mission Power Plus Port 6 Pin 5 Output
# Set Mission Power Plus Port 6 Pin 6 Output
# Set Mission Power Plus Port 6 Pin 7 Output
# Set Mission Power Plus Port 6 Pin 8 Output
# Set Mission Power Plus Port 7 Pin 1 Output
# Set Mission Power Plus Port 7 Pin 2 Output
# Set Mission Power Plus Port 7 Pin 3 Output
# Set Mission Power Plus Port 7 Pin 4 Output
# Set Mission Power Plus Port 7 Pin 5 Output
# Set Mission Power Plus Port 7 Pin 6 Output
# Set Mission Power Plus Port 7 Pin 7 Output
# Set Mission Power Plus Port 7 Pin 8 Output
# Set Mission Power Plus Port 8 Pin 1 Output
# Set Mission Power Plus Port 8 Pin 2 Output
# Set Mission Power Plus Port 8 Pin 3 Output
# Set Mission Power Plus Port 8 Pin 4 Output
# Set Mission Power Plus Port 8 Pin 5 Output
# Set Mission Power Plus Port 8 Pin 6 Output
# Set Mission Power Plus Port 8 Pin 7 Output
# Set Mission Power Plus Port 8 Pin 8 Output
# Initialize Mission Programmable Power Supply
# Initialize Ice Cube Tray
# Initialize Pump
# Initialize Accumulator
# Initialize Variables
# Initialize Ice Cube Tray
# ---------------------
# Initialize
# Set Mission Power Plus Ports and Pins
# Initialize Mission Programmable Power Supply
# Initialize Ice Cube Tray
# Initialize Pump
# Initialize Accumulator
# Initialize Variables
# Initialize Pump
# ---------------------
# Initialize
# Set Mission Power Plus Ports and Pins
# Initialize Mission Programmable Power Supply
# Initialize Ice Cube Tray
# Initialize Pump
# Initialize Accumulator
# Initialize Variables
# Initialize Accumulator
# ---------------------
# Initialize
# Set Mission Power Plus Ports and Pins
# Initialize Mission Programmable Power Supply
# Initialize Ice Cube Tray
# Initialize Pump
# Initialize Accumulator
# Initialize Variables
# Initialize Variables
# ---------------------
# Initialize
# Set Mission Power Plus Ports and Pins
# Initialize Mission Programmable Power Supply
# Initialize Ice Cube Tray
# Initialize Pump
# Initialize Accumulator
# Initialize Variables
# Main Section
# ------------
# Main Section
# ------------
# Main Section
# ------------
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        -8 "-8 DK"
        1 "1 YES"
        2 "2 NO" ;

label define H2050086X
        -1 "-1 INAPPLICABLE"
        -7 "-7 REFUSED"
        -8 "-8 DK"
        995 "995 NO SPOUSE IN HOUSE"
        996 "996 MARITAL STATUS UNKNOWN"
        997 "997 LESS THAN 16 YRS OLD" ;

label define H2050087X
        -1 "-1 INAPPLICABLE"
        -15 "-15 CANNOT BE COMPUTED"
        -7 "-7 REFUSED"
        -8 "-8 DK"
        1 "1 SPOUSE IN THE HOUSE"
        2 "2 NOT MARRIED/NO SPOUSE"
        3 "3 UNDER 16 INAPPLICABLE" ;

label define H2050088X
        -1 "-1 INAPPLICABLE"
        -15 "-15 CANNOT BE COMPUTED"
        -7 "-7 REFUSED"
        -8 "-8 DK"
        1 "1 NO DIFFICULTY"
        2 "2 SOME DIFFICULTY"
        3 "3 A LOT OF DIFFICULTY"
        4 "4 UNABLE TO DO" ;

label define H2050089X
        -1 "-1 INAPPLICABLE"
        -15 "-15 CANNOT BE COMPUTED"
        -7 "-7 REFUSED"
        -8 "-8 DK"
        1 "1 NO DIFFICULTY"
        2 "2 SOME DIFFICULTY"
        3 "3 A LOT OF DIFFICULTY"
        4 "4 COMPLETELY UNABLE TO DO IT"
        5 "5 COMPLETELY UNABLE TO WALK" ;

label define H2050090X
        -1 "-1 INAPPLICABLE"
        1 "1 YES"
        2 "2 NO" ;

label define H2050091X
        -1 "-1 INAPPLICABLE"
        -15 "-15 CANNOT BE COMPUTED"
        -7 "-7 REFUSED"
        -8 "-8 DK"
        1 "1 YES"
        2 "2 NO" ;

label define H2050092X
        -1 "-1 INAPPLICABLE"
        1 "1 YES"
        2 "2 NO" ;

label define H2050093X
        -1 "-1 INAPPLICABLE"
        1 "1 PID GAINED COVG THRU VERIFICATION ROUND 1"
        2 "2 PID GAINED COVG THRU VERIFICATION ROUND 2"
        3 "3 PID GAINED COVG THRU VERIFICATION ROUND 3"
        95 "95 NOT COVERED THRU VERIFICATION SERIES" ;

label define H2050094X
        -1 "-1 INAPPLICABLE"
        0 "0.000000 WEIGHT" ;

label define H2050095X
        -1 "-1 INAPPLICABLE"
        0 "0.000000 WEIGHT" ;

label define H2050096X
        -1 "-1 INAPPLICABLE"
        -7 "-7 REFUSED"
        -8 "-8 DK"
        1 "1 SPANISH"
        2 "2 ANOTHER NON-ENGLISH LANGUAGE"
        5 "5 UNDER 5 YEARS OLD, INAPPLICABLE" ;

label define H2050097X
        -1 "-1 INAPPLICABLE"
        -15 "-15 CANNOT BE COMPUTED"
        -7 "-7 REFUSED"
        -8 "-8 DK"
        1 "1 NO DIFFICULTY"
        2 "2 SOME DIFFICULTY"
        3 "3 A LOT OF DIFFICULTY"
        4 "4 UNABLE TO DO" ;

label define H2050098X
        -1 "-1 INAPPLICABLE"
        -15 "-15 CANNOT BE COMPUTED"
        -7 "-7 REFUSED"
        -8 "-8 DK"
        1 "1 YES"
        2 "2 NO" ;

label define H2050099X
        -1 "-1 INAPPLICABLE"
        -15 "-15 CANNOT BE COMPUTED"
        -7 "-7 REFUSED"
        -8 "-8 DK"
        1 "1 YES"
        2 "2 NO" ;

label define H2050100X
        -1 "-1 INAPPLICABLE"
        -15 "-15 CANNOT BE COMPUTED"
        -7 "-7 REFUSED"
        -8 "-8 DK"
        1 "1 LESS THAN 1 YEAR"
        2 "2 1 YR., LESS THAN 5 YRS."
        3 "3 5 YRS., LESS THAN 10 YRS."
        4 "4 10 YRS., LESS THAN 15 YRS."
        5 "5 15 YEARS OR MORE" ;

* ASSOCIATE VARIABLES WITH VALUE LABEL DEFINITIONS;
label value ACTDTY13 H2050001X;
label value ACTLIM13 H2050002X;
label value ADLHLP13 H2050003X;
label value AGE13X H2050004X;
label value AIDHLP13 H2050005X;
label value BEGRFM13 H2050006X;
label value BEGRFY13 H2050007X;
label value BEND1F13 H2050008X;
label value BORNUSA H2050009X;
label value COGLIM13 H2050010X;
label value DOBMM H2050011X;
label value DOBYY H2050012X;
label value EDUCYR H2050013X;
label value EMPST13 H2050014X;
label value ENDRFM13 H2050015X;
label value ENDRFY13 H2050016X;
label value FAMSIZ13 H2050017X;
label value FNGNDF13 H2050018X;
label value FTSTD13X H2050019X;
label value GOVTA13 H2050020X;
label value GOVTB13 H2050021X;
label value GOVTC13 H2050022X;
label value HELD13X H2050023X;
label value HIDEG H2050024X;
label value HISPANX H2050025X;
label value HISPNCAT H2050026X;
label value HOUR13 H2050027X;
label value HPRIDK13 H2050028X;
label value HPRIEU13 H2050029X;
label value HPRING13 H2050030X;
label value HPRIOG13 H2050031X;
label value HPRIV13 H2050032X;
label value HPRSTX13 H2050033X;
label value HRWAG13X H2050034X;
label value HRWAY13 H2050035X;
label value HRWGRD13 H2050036X;
label value HSELIM13 H2050037X;
label value HWELLSPK H2050038X;
label value IADLHP13 H2050039X;
label value IHS13 H2050040X;
label value INSCOP13 H2050041X;
label value INSRD13X H2050042X;
label value KEYNESS H2050043X;
label value LFTDIF13 H2050044X;
label value MARRY13X H2050045X;
label value MCAID13 H2050046X;
label value MCAID13X H2050047X;
label value MCARE13 H2050048X;
label value MCARE13X H2050049X;
label value MILDIF13 H2050050X;
label value MNHLTH13 H2050051X;
label value NUMEMP13 H2050052X;
label value OFFER13X H2050053X;
label value OTHLGSPK H2050054X;
label value PANEL H2050055X;
label value PRIDK13 H2050056X;
label value PRIEU13 H2050057X;
label value PRIEUO13 H2050058X;
label value PRINEO13 H2050059X;
label value PRING13 H2050060X;
label value PRIOG13 H2050061X;
label value PRIV13 H2050062X;
label value PROXY13 H2050063X;
label value PRSTX13 H2050064X;
label value PSTAT13 H2050065X;
label value PUB13X H2050066X;
label value RACEAX H2050067X;
label value RACEBX H2050068X;
label value RACETHX H2050069X;
label value RACEV1X H2050070X;
label value RACEV2X H2050071X;
label value RACEWX H2050072X;
label value RCHDIF13 H2050073X;
label value RDRESP13 H2050074X;
label value REFRLI13X H2050075X;
label value REGION13 H2050076X;
label value RTHLTH13 H2050077X;
label value RUCLAS13 H2050078X;
label value RUENDM13 H2050079X;
label value RUENDY13 H2050080X;
label value RUSIZE13 H2050081X;
label value SCHLIM13 H2050082X;
label value SELFCM13 H2050083X;
label value SEX H2050084X;
label value SOCLIM13 H2050085X;
label value SPOUID13 H2050086X;
label value SPOUIN13 H2050087X;
label value STND1F13 H2050088X;
label value STPDIF13 H2050089X;
label value TRIAT13 H2050090X;
label value UNABLE13 H2050091X;
label value VAPROG13 H2050092X;
label value VERFLG13 H2050093X;
label value WGTRU13 H2050094X;
label value WGTSP13 H2050095X;
label value WHTLGSPK H2050096X;
label value WLKDIF13 H2050097X;
label value WLKLIM13 H2050098X;
label value WRKLIM13 H2050099X;
label value YRSINUS H2050100X;

*DISPLAY A DESCRIPTION OF STATA FILE;
describe;

*LIST FIRST 20 OBSERVATIONS IN THE FILE;
list in 1/20;

save H205, replace;

#delimit cr

* data file is stored in H205.dta
* log  file is stored in H205.log

log close

/*****************************************************************************************
 NOTES:

 1. This program has been tested on Stata Version 10 (for Windows).

 2. This program will create a permanent Stata dataset.  All additional analyses
    can be run using this dataset.  In addition to the dataset, this program creates
    a log file named H205.LOG and a data file named H205.DTA.  If these files (H205.DTA and H205.LOG)
    already exist in the working directory, they will be replaced when this program is executed.

 3. If the program ends prematurely, the log file will remain open.  Before running this
    program again, the user should enter the following Stata command: log close

 4. The cd command assigns C:\MEPS\DATA as the working directory and location of the input
    ASCII and output .DTA and .LOG files and can be modified by the user as necessary.

 5. Stata commands end with a carriage return by default. The command
    #delimit ;
    temporarily changes the command ending delimiter from a carriage return to a semicolon.

 6. The infix command assumes that the input variables are numeric unless the variable name
    is prefaced by str.  For example, DUPERSID is the a string (or character) variable.

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