C H A P T E R

25

The OPTIONS Procedure

Overview

The OPTIONS procedure lists the current settings of SAS system options. The results are displayed in the SAS log.

SAS system options control how the SAS System formats output, handles files, processes data sets, interacts with the operating environment, and does other tasks that are not specific to a single SAS program or data set. You can change the settings of SAS system options

- in the SAS command

- in a configuration or autoexec file

- in the SAS OPTIONS statement

- through the SAS System Options window

- by using SCL functions

- in a STARTSAS window or a STARTSAS statement

- in other ways, depending on your operating environment. See the companion for your operating environment for details.

For information about SAS system options, see the section on SAS system options in *SAS Language Reference: Dictionary*.

The log that results from running PROC OPTIONS shows both the portable and host systems options, their settings, and short descriptions. Output 25.1 on page 685 shows a partial log that displays the settings of portable options through those that begin with the letter "C."

```
proc options;
run;
```

Output 25.1 Log showing a Partial Listing of SAS System Options

```
 1   proc options;
 2   run;
     SAS (r) Proprietary Software Release 7.XX.XXXXXXXXXXX

Portable Options:

 NOBATCH           Do not use the batch set of default values for SAS system
                   options
 BINDING=DEFAULT   Controls the binding edge for duplexed output
 BOTTOMMARGIN=     Bottom margin for printed output
 BUFNO=1           Number of buffers for each SAS data set
 BUFSIZE=0         Size of buffer for page of SAS data set
 BYERR             Set the error flag if a null data set is input to the SORT
                   procedure
 BYLINE            Print the by-line at the beginning of each by-group
 NOCAPS            Do not translate source input to uppercase
 NOCARDIMAGE       Do not process SAS source and data lines as 80-byte records
 CATCACHE=0        Number of SAS catalogs to keep in cache memory
 CBUFNO=0          Number of buffers to use for each SAS catalog
 CENTER            Center SAS procedure output
 NOCHARCODE        Do not use character combinations as substitute for
                   special characters not on the keyboard
 CLEANUP           Attempt recovery from out-of-resources condition
 NOCMDMAC          Do not support command-style macros
 NOCOLLATE         Do not collate multiple copies of printed output
 COLORPRINTING     Print in color if printer supports color
 COMPRESS=NO       Specifies whether to compress observations in output SAS
                   data sets
 CONNECTREMOTE=    Remote session ID used by SAS/CONNECT software
 CONNECTSTATUS     Show the current status of a SAS/CONNECT upload or
                   download transfer
 CONNECTWAIT       Wait for a SAS/CONNECT rsubmit to finish before allowing
                   further processing to occur
 CONSOLELOG=       Location of console log
 COPIES=1          Number of copies to make when printing
 CPUID             Print CPU information at beginning of log
```

Output 25.2 on page 686 shows a log that PROC OPTIONS produces for a single SAS system option.

```
options pagesize=60;
proc options option=pagesize;
run;
```

Output 25.2 The Setting of a Single SAS System Option

```
 1   options pagesize=60;
 2   proc options option=pagesize;
 3   run;
     SAS (r) Proprietary Software Release 7.XX.XXXXXXXXXXX

 PAGESIZE=60       Number of lines printed per page of output
NOTE: PROCEDURE OPTIONS used:
```

Procedure Syntax

PROC OPTIONS *<option(s)>*;

PROC OPTIONS Statement

PROC OPTIONS *<option(s)>*;

To do this	Use this option
Choose the format of the listing	
Specify the long form	LONG
Specify the short form	SHORT
Display the option's description and type	DEFINE
Display the option's value and scope	VALUE
Restrict the number of options displayed	
Display options belonging to a group	GROUP=
Display host options only	HOST
Display portable options only	NOHOST
Display a single option	OPTION=

Options

DEFINE
   displays the short description of the option, as well as its type, and how to set and display its value.
   Interaction: This option has no effect when SHORT is specified.

GROUP=*group-name*
   displays the options in the group specified by *group-name*. For more information on options groups, see *SAS Language Reference: Dictionary*.

HOST | NOHOST
   displays only host options (HOST) or displays only portable options (NOHOST).
   Alias: PORTABLE is an alias for NOHOST.

LONG | SHORT
   specifies the format for displaying the settings of the SAS system options. LONG lists each option on a separate line with a description; SHORT produces a compressed listing without the descriptions.
   Default: LONG
   Featured in: Example 1 on page 688

NOHOST
   See HOST | NOHOST.

OPTION=*option-name*
> displays a short description and the value (if any) of the option specified by *option-name*. DEFINE and VALUE provide additional information about the option.

> *option-name*
>> specifies the option to use as input to the procedure.
> **Requirement:** If a SAS system option uses an equals sign, such as PAGESIZE=, do not include the equals sign when specifying the option to OPTION=.
> **Featured in:** Example 2 on page 689

SHORT
> See LONG | SHORT.

VALUE
> displays the option value and scope, as well as how the value was set.
> **Interaction:** This option has no effect when SHORT is specified.

Results

SAS Log

SAS writes the options list to the SAS log. SAS system options of the form *option* | NO*option* are listed as either *option* or NO*option*, depending on the current setting, but they are always sorted by the positive form. For example, NOCAPS would be listed under the Cs.

Operating Environment Information: PROC OPTIONS produces additional information that is specific to the environment under which you are running the SAS System. Refer to the SAS documentation for your operating environment for more information about this and for descriptions of host-specific options. △

Examples

Example 1: Producing the Short Form of the Options Listing

Procedure features:
> PROC OPTIONS statement option:
>> SHORT

This example shows how to generate the short form of the listing of SAS system option settings. Compare this short form with the long form shown in "Overview" on page 685.

Program

SHORT lists the SAS system options and their settings without any descriptions.

```
proc options short;
run;
```

Log (partial)

```
1   proc options short;
2   run;
    SAS (r) Proprietary Software Release 7.XX.XXXXXXXXXX

Portable Options:

 NOBATCH BOTTOMMARGIN= BUFNO=1 BUFSIZE=0 BYERR BYLINE NOCAPS NOCARDIMAGE
CATCACHE=0 CBUFNO=0 CENTER NOCHARCODE CLEANUP NOCMDMAC NOCOLLATE
COLORPRINTING COMPRESS=NO CONNECTREMOTE= CONNECTSTATUS CONNECTWAIT
CONSOLELOG= COPIES=1 CPUID DATASTMTCHK=COREKEYWORDS DATE NODETAILS DEVICE=
DFLANG=ENGLISH DKRICOND=ERROR DKROCOND=WARN DLDMGACTION=REPAIR NODMR NODMS
```

Example 2: Displaying the Setting of a Single Option

Procedure features:
 PROC OPTIONS statement option:

  OPTION=
  DEFINE
  VALUE

This example shows how to display the setting of a single SAS system option. The log shows the current setting of the SAS system option PAGESIZE=. The DEFINE and VALUE options display additional information.

Program

PAGESIZE=60 sets the pagesize to 60.

```
options pagesize=60;
```

OPTION=PAGESIZE displays the setting of PAGESIZE in the log. DEFINE and VALUE display additional information.

```
proc options option=pagesize define value;
run;
```

Log

```
1    options pagesize=60;
2    proc options option=pagesize DEFINE VALUE;
3    run;
     SAS (r) Proprietary Software Release 7.XX.XXXXXXXXXXX

Option Value Information For SAS Option PAGESIZE
    Option Value: 60
    Option Scope: Line Mode Process
    How option value set:  Options Statement
Option Definition Information for SAS Option PAGESIZE
    Description: Number of lines printed per page of output
    Type: The option value is of type LONG
         Range of Values: The minimum is 15 and the maximum is 32767
         Valid Syntax(any casing): MIN|MAX|n|nK|nM|nG|hex
    When Can Set: Startup or anytime during the SAS Session
    NOTE: PROCEDURE OPTIONS used:
```

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