



CHAPTER

11

Data Set Options

Data Set Options in the OS/390 Environment 163

FILEDISP= 163

Summary of SAS Data Set Options in the OS/390 Environment 164

Data Set Options in the OS/390 Environment

Portable data set options are documented in *SAS Language Reference: Dictionary*. This chapter provides detailed information about data set options that are specific to OS/390 or that have aspects that are specific to OS/390. “Summary of SAS Data Set Options in the OS/390 Environment” on page 164 includes all the SAS data set options that are available under OS/390.

Data set options are specified in parentheses following a data set name. In this case, the data set options apply only to that one data set.

FILEDISP=

Specifies the initial disposition for a sequential access bound SAS data library

Default: OLD

Engines: V8TAPE, V7TAPE, V6TAPE

Valid as: data set option

OS/390 specifics: all

Syntax

FILEDISP=NEW | OLD

NEW

specifies that the sequential data library is to be considered empty. SAS therefore does not look for previously written members. The data step writes the new member at the beginning of the new (empty) library. Any members that existed in the library prior to the write are lost. The FILEDISP=NEW option can be valid only during the first write to a sequential data library for a given libref. For all subsequent writes to that libref, FILEDISP=NEW is ignored and FILEDISP=OLD is assumed.

OLD

specifies that the sequential data library is not initially empty. SAS therefore writes members with names that do not already exist in the library at the end of the library. If the member being written has a name that already exists in the library, the existing member is overwritten and any members that follow the overwritten member are lost.

Details

A sequential data library is a single SAS file that can contain one or more concatenated members.

To avoid inadvertent data loss, make sure that you specify FILEDISP=NEW only when writing to new (empty) sequential data libraries. Also, when writing to an existing sequential data library, make sure that the name of the member being written does not inadvertently correspond to the name of a member that already exists in the library.

Summary of SAS Data Set Options in the OS/390 Environment

The Summary Table of SAS Data Set Options describes both the data set options specific to OS/390 and the portable data set options.

The See column tells you where to look for more detailed information about an option, based on the following legend:

COMP See the description of the data set option in this chapter.

LR See *SAS Language Reference: Dictionary*.

The Engines column lists the engines with which the option is valid, based on the following legend:

all V8, V7, V6, DBI Applies to all disk and tape engines, including database interface (DBI) engines.

all V8, V7, V6 Applies to all disk and tape engines except DBI engines.

V8TAPE, V7TAPE, V6TAPE Applies to all tape engines for the specified SAS versions; does not apply to disk or DBI engines.

V8, V7, V6 Applies to all disk engines for the specified versions; does not apply to tape or DBI engines.

Table 11.1 Summary Table of SAS Data Set Options

Data Set Option	Description	When Used	See	Engines
ALTER=	specifies the password required to delete or replace a SAS data set or to modify variable attributes or indexes for a SAS data set	output, update	LR	all V8, V7, V6
BUFNO=	specifies the number of buffers for processing a SAS data set	input, output, update	LR	all V8, V7, V6
		input	LR	all V5

Data Set Option	Description	When Used	See	Engines
BUFSIZE=	specifies a permanent page size for output SAS data sets	output	LR	all V8, V7, V6
CNTLLEV=	specifies the level at which shared update access to a SAS data set is denied	input, output, update	LR	all V8, V7, V6
		input	LR	V5
COMPRESS=	compresses observations in an output SAS data set	output	LR	all V8, V7, V6
DLDMGACTION=	specifies what type of action to take when a SAS data set in a SAS data library is detected as damaged	input, output, update	LR	V8, V7, V6
DROP=	excludes variables from processing or from output SAS data sets	input, output, update	LR	all V8, V7, V6, DBI
		input	LR	V5
ENCRYPT=	encrypts SAS data files	output	LR	all V8
FILECLOSE=	specifies how to position a tape volume when a SAS file on the tape is closed	input, output	LR	V8TAPE, V7TAPE, V6TAPE
		input	LR	V5TAPE
FILEDISP=	specifies the initial disposition for a sequential-format SAS data library	input, output	COMP	V8TAPE, V7TAPE, V6TAPE
		input	COMP	V5TAPE
FIRSTOBS=	causes processing to begin at a specified observation	input	LR	all V8, V7, V6, DBI
GENMAX=	requests generations for a file and specifies the maximum number of generations	input, output, update	LR	V8
GENNUM=	references a specific generation of a data set	input, output, update	LR	V8
IDXNAME=	directs SAS to use a specific index to satisfy the conditions of a WHERE expression	input	LR	V8
IDXWHERE=	overrides the SAS decision about whether to use an index to satisfy the conditions of a WHERE expression	input	LR	V8
IN=	creates a variable that indicates whether the data set contributed data to the current observation	input (with SET, MERGE, MODIFY, UPDATE statements only)	LR	all V8, V7, V6, DBI
INDEX=	defines one or more indexes for a new data set	output	LR	V8, V7, V6
KEEP=	specifies variables for processing or for writing to output SAS data sets	input, output, update	LR	all V8, V7, V6, DBI
		input	LR	all V5

Data Set Option	Description	When Used	See	Engines
LABEL=	specifies a label for the SAS data set	input, output, update	LR	all V8, V7, V6, DBI
		input	LR	all V5
OBS=	specifies the last observation of the data set to process	input	LR	all V8, V7, V6, DBI
OUTREP=	specifies an output format for an operating environment other than OS/390	output	LR	all V8
POINTOBS=	controls whether a new compressed data set may be processed by observation number	input	LR	V8
PW=	assigns a read, write, and alternate password to a SAS file	input, output, update	LR	all V8, V7, V6
		input	LR	all V5
PWREQ=	specifies whether to display a requestor window if a password has not been supplied	input, output, update	LR	all V8, V7, V6
		input	LR	all V5
READ=	specifies the password required to read a SAS data set	input, update	LR	all V8, V7, V6
		input	LR	V5
RENAME=	changes the name of a variable	input, output, update	LR	all V8, V7, V6, DBI
		input	LR	V5
REPLACE=	overrides the REPLACE= system option	output	LR	all V8, V7, V6, DBI
REUSE=	specifies whether SAS appends new observations to a compressed data set or inserts them in freed space	output	LR	V8, V7, V6
SORTEDBY=	specifies how the data set is currently sorted	input, output update	LR	all V8, V7, V6
		input	LR	all V5
TOBSNO=	specifies the number of observations to be transmitted in each multi-observation exchange with a SAS server	input, output, update	LR	REMOTE
TRANTAB=	specifies a translation table for character conversions	input, output, update	LR	all V8
TYPE=	specifies the data set type for data that is used by some SAS/STAT procedures	input, output, update	LR	all V8, V7, V6, DBI
		input	LR	all V5

Data Set Option	Description	When Used	See	Engines
WHERE=	selects observations that meet the specified condition	input, update	LR	all V8, V7, V6, DBI
		input	LR	all V5
WHEREUP=	specifies whether to evaluate added observations and modified observations against a WHERE clause	input, output, update	LR	all V8
		input	LR	all V5
WRITE=	specifies the password required to modify the value of an observation within a SAS data set	output, update	LR	all V8, V7, V6

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