
Command Reference: Copy()

Create a new time series as a copy of an existing time series

Version 10.00.00, 2011-03-27

The `Copy()` command creates a copy of an existing time series, assigning an alias to the result. The copy is an exact copy except that the alias is different (the TSID must also be specified and should be defined to be unique). The alias can then be used for further time series manipulation. A copy of a time series is useful when data filling or other manipulation will occur and time series that is unique from the original is needed. For example, if adding two time series, a copy of one time series can be made, and the second time series added to the copy – this ensures that there is not confusion with the original time series. Parameters are available to control how much of the original data are copied.

The following dialog is used to edit the command and illustrates the syntax for the command.

Edit Copy() Command

Make a copy of a time series, giving the copy an alias.
The copy is exactly the same and can be referenced by its alias in other commands.
Specify new time series identifier (TSID) information for the copy to avoid errors with the copy being mistaken for the original.

Time series to copy: 08223000.DWR.Streamflow.Month

New time series ID: 08223000.DWR.Streamflow.Month.Filled Edit Clear

Alias to assign: Filled Insert: -- Select Specifier -- Required - use %L for location, etc.

Copy data flags?: Optional - should data flags be copied (default=True).

Copy history?: Optional - should history be copied (default=True).

Command: `Copy(&alias="Filled",TSID="08223000.DWR.Streamflow.Month",NewTSID="08223000.DWR.Streamflow.Month.Filled")`

Cancel OK

Copy

Copy() Command Editor

The command syntax is as follows:

```
TS Alias = Copy(Parameter=Value,...)
```

The following older command syntax is updated to the above syntax when a command file is read:

```
TS Alias = Copy(Parameter=Value,...)
```

Command Parameters

Parameter	Description	Default
TSID	The time series identifier or alias of the time series to copy. The time series will be found by searching backwards from the copy command.	None – must be specified.
NewTSID	A new time series identifier to assign to the copy. This is useful to avoid confusion with the original time series. Use the Edit button to edit the time series identifier parts. The data interval must match that of the original time series.	Copy the original time series TSID. If NewTSID is specified but does not have a valid interval, copy the interval from TSID. The default cannot be determined if an alias is used for the input time series.
Alias	The alias to assign to the time series, as a literal string or using the special formatting characters listed by the command editor. The alias is a short identifier used by other commands to locate time series for processing, as an alternative to the time series identifier (TSID).	None – must be specified.
CopyDataFlags	Indicates whether data flags are copied. Specify as False or True.	True
CopyHistory	Indicates whether the time series manipulation history is copied. Specify as False or True.	True

A sample command file to read a time series and make a copy is as follows:

```
# 08223000 - RIO GRANDE RIVER AT ALAMOSA
08223000.DWR.Streamflow.Month~HydroBase
Copy(Alias="Filled",TSID="08223000.DWR.Streamflow.Month",
      NewTSID="08223000.DWR.Streamflow.Month.Filled")
```