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# Command Reference: Multiply()

**Multiply the data values in a time series by data values in another time series**

Version 11.11.01, 2016-06-07

The `Multiply()` command multiplies one time series by another. Missing data in either time series causes the result to be missing. See also the `Scale()` command, which multiplies time series by a numerical value.

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

**Edit Multiply() Command**

Multiply one time series by another (the first time series is modified)  
Missing data in either time series sets the result to missing.

Time series to modify: 2184.NOAA.TempMean.Month

Time series to multiply by: 5706.NOAA.TempMean.Month

New units: Optional - new data units.

Command: `Multiply(TSID="2184.NOAA.TempMean.Month",MultiplierTSID="5706.NOAA.TempMean.Month")`

Cancel OK

**Multiply() Command Editor**

Multiply

The command syntax is as follows:

```
Multiply(Parameter=Value,...)
```

#### Command Parameters

Parameter	Description	Default
TSID	The time series identifier or alias for the time series to be modified. Can specify using <code>\${Property}</code> .	None – must be specified.
MultiplierTSID	The time series identifier or alias for the time series that is the multiplier. Can specify using <code>\${Property}</code> .	None – must be specified.
NewUnits	Specify the new units to assign. Can specify using <code>\${Property}</code> .	Original units remain.

A sample command file is as follows (this example does not necessarily make sense but illustrates how the `Multiply()` command can be used for numerical calculations in an analysis):

```
# 2184 - DEL NORTE 2 E
2184.NOAA.TempMean.Month~HydroBase
# 5706 - MONTE VISTA 2 W
5706.NOAA.TempMean.Month~HydroBase
Multiply(TSID="2184.NOAA.TempMean.Month",
MultiplierTSID="5706.NOAA.TempMean.Month")
```