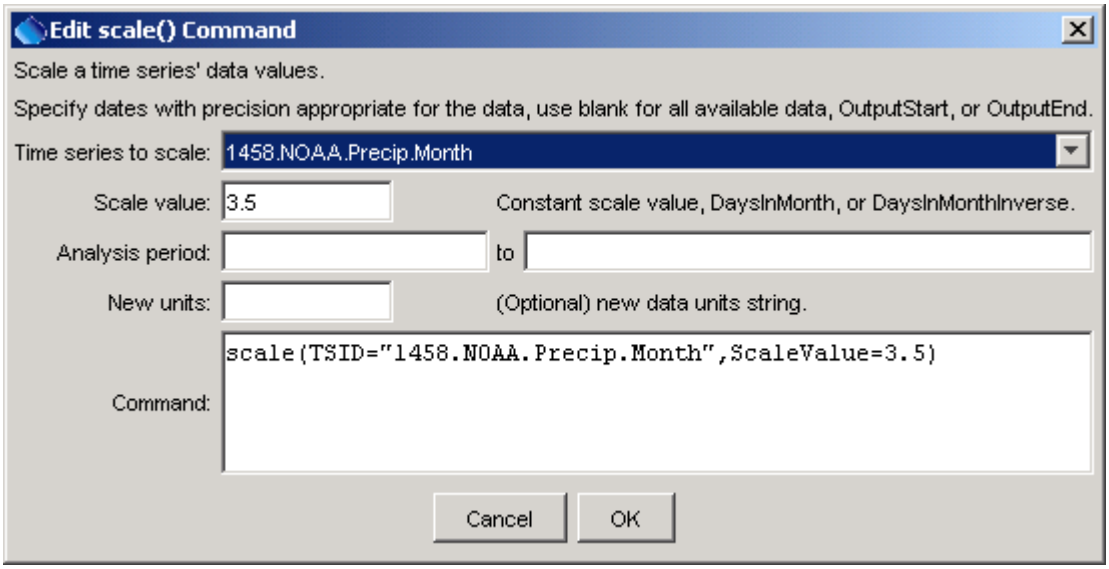
Command Reference:scale()

Scale time series data values by a constant value

Version 06.13.00, 2005-11-13, Color, Acrobat Distiller

The `scale()` command scales each non-missing value in the specified time series.

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



scale

scale() Command Editor

The command syntax is as follows:

```
scale(param=value,…)
```

Command Parameters

Parameter	Description	Default
TSID	The time series identifier or alias for the time series to be modified. A single time series or all time series (*) can be scaled.	None – must be specified.
ScaleValue	One of the following: • The numerical value to scale to the time series. • DaysInMonth to indicate a scale of the number of days in the month. • DaysInMonthInverse to indicate a scale of the inverse of the number of days in the month.	None – must be specified.
AnalysisStart	The date/time to start analyzing data.	Full period is analyzed.
AnalysisEnd	The date/time to end analyzing data.	Full period is analyzed.
NewUnits	New data units for the resulting time series.	Do not change the units.

The following example scales a precipitation time series by a factor of 3.5:

```
# 1458 - CENTER 4 SSW
1458.NOAA.Precip.Month~HydroBase
scale(TSID="1458.NOAA.Precip.Month",ScaleValue=3.5)
```

The following example scales a monthly streamflow time series with units of ACFT (volume per month) in order to convert the data to average CFS flow values (note that two scale commands are required because the DaysInMonthInverse value cannot currently be combined with a numerical value in one command):

```
# 06754000 - SOUTH PLATTE RIVER NEAR KERSEY
06754000.DWR.Streamflow.Month~HydroBase
scale(TSID="06754000.DWR.Streamflow.Month",ScaleValue=.5042)
scale(TSID="06754000.DWR.Streamflow.Month",
ScaleValue=DaysInMonthInverse,NewUnits="CFS")
```