
Command Reference: TS Alias = NewEndOfMonthTSFromDayTS()

Use a daily time series to create an end of month time series

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The `NewEndOfMonthTSFromDayTS()` command is typically used to convert a daily reservoir storage time series to an end of month reservoir storage time series. The command can also be applied to other data types (e.g., measured well levels).

Changing from a daily to an end of month monthly time series is accomplished by starting on the month ending day and searching in both directions (backward then forward by expanding until the bracket is reached) for a daily measurement. The number of days to search in each direction (the bracket) should not be so large as to produce unrealistic results. It is possible that no value will be found for a particular month, with the given restraints. In this case, other fill commands (e.g., `FillInterpolate()`) can be applied to estimate the remaining missing data.

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

Edit TS Alias = NewEndOfMonthTSFromDayTS() Command

Create a new end of month time series from a daily time series.
Use the alias to reference the new time series. Only the data interval is changed (units, etc. remain).
The number of days to search in either direction must be non-zero.
Specifying a number of days > 31 may result in a constant pattern in the output.

Time series alias:

Daily time series:

Number of days to search: Required - must be greater than zero.

Command:

```
TS Continental =  
NewEndOfMonthTSFromDayTS(DayTSID="2003536.DWR.ResMeasStorage.Day",Bracket="15")
```

NewEndOfMonthTSFromDayTS_Alias

TS Alias = NewEndOfMonthTSFromDayTS() Command Editor

The command syntax is as follows:

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

Command Parameters

Parameter	Description	Default
Alias	The alias for the new time series.	None – must be specified.
DayTSID	The time series identifier or alias of the daily time series to be searched for data.	None – must be specified.
Bracket	The number of days to search from the end of the month, in order to find a daily value to transfer to the end of the month.	None – must be specified.

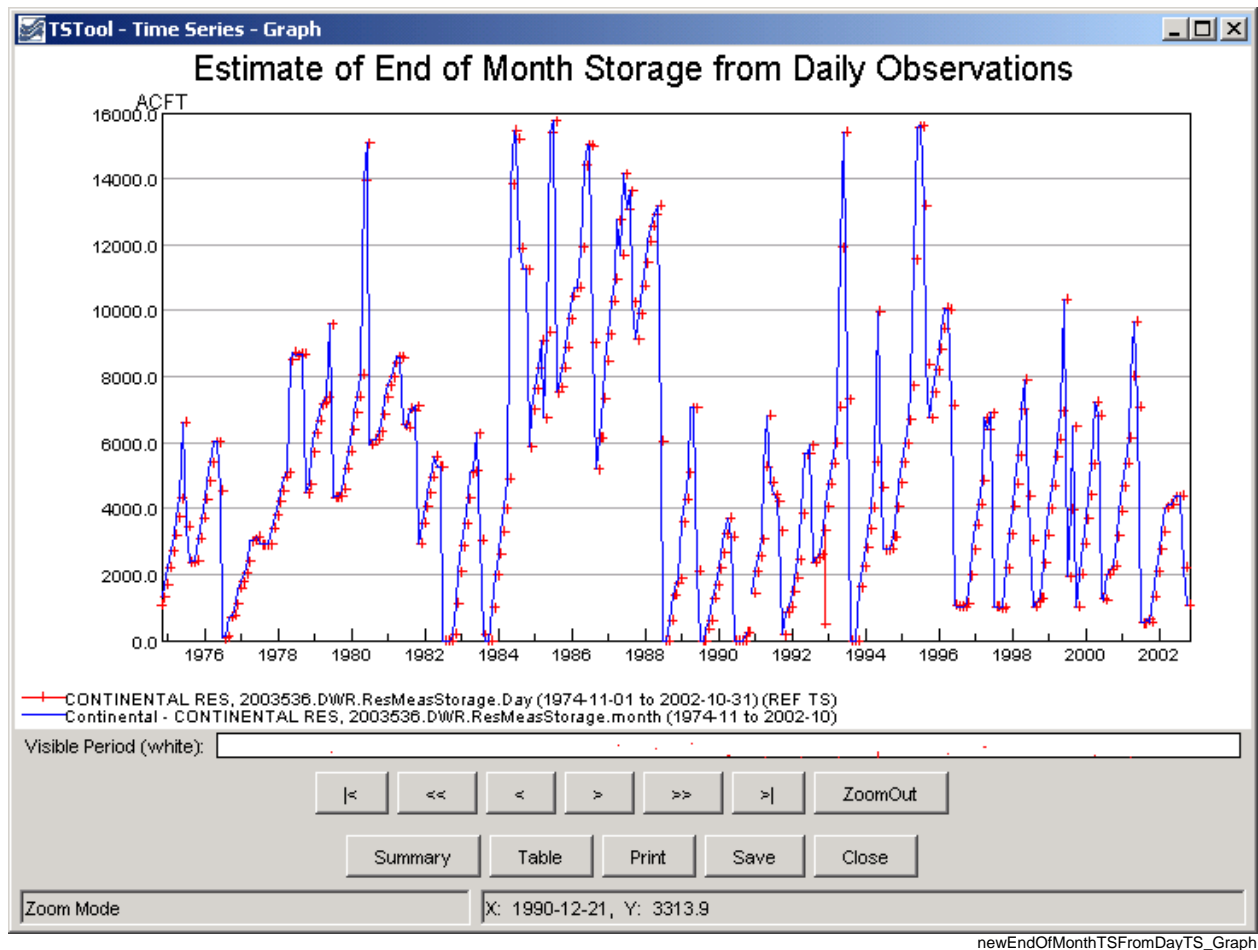
A sample command file for estimating reservoir contents, using data from the State of Colorado's HydroBase database is:

```
# 2003536 - CONTINENTAL RES
2003536.DWR.ResMeasStorage.Day~HydroBase
TS Continental = NewEndOfMonthTSFromDayTS(DayTSID="2003536.DWR.ResMeasStorage.Day",
Bracket=15)
```

A sample command file for estimating well levels is:

```
# 384549104445101 - SCO1506611ABC
384549104445101.USGS.WellLevel.Day~HydroBase
TS WellMonth =
NewEndOfMonthTSFromDayTS(DayTSID="384549104445101.USGS.WellLevel.Day",Bracket=30)
FillInterpolate(TSList=AllMatchingTSID,TSID="WellMonth",
MaxIntervals=0,Transformation=None)
```

To evaluate the results of this command, it is useful to graph both the input and results, changing the graph properties to add symbols to see the individual measurements, as shown in the following figure.



Results of NewEndOfMonthTSFromDayTS() Command

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