

Command Reference: WriteSummary()

Write time series to a summary format file

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The `WriteSummary()` command writes time series to a summary report file, as text or HTML. The format of the file is a default for the data interval. The total/average column in reports (if output) is based on the units – a parameter may be added in the future to allow more flexibility.

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

Edit WriteSummary() Command

Write time series to a summary format file, which can be specified using a full or relative path (relative to the working directory).
The working directory is: C:\Users\sam\Dropbox (OpenWaterFoundation)\OWF-proj-CO-CWCB-2016-GapAnalysisUpdate\GapAnalysis-Prototype1\01a-Population-ByCounty
Specify the file extension as "html" to write an HTML file (default is text).

Summary file to write:

TS list: Optional - indicates the time series to process (default=AllTS).

TSID (for TSList=AllMatchingTSID):

EnsembleID (for TSList=EnsembleID):

Output start: Optional - output start (default=use global output period or write all data).

Output end: Optional - output end (default=use global output period or write all data).

Output year type: Optional - output year type (default is global output year type).

Command:

WriteSummary

WriteSummary() Command Editor

The command syntax is as follows:

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

Command Parameters

Parameter	Description	Default
OutputFile	The summary file. The path to the file can be absolute or relative to the working directory (command file location). Specifying a filename with an “html” extension will result in HTML output, which is color-coded for missing values and has notes for flagged values. Can be specified using <code>\${Property}</code> .	None – must be specified.
TSList	Indicates the list of time series to be processed, one of: <ul style="list-style-type: none"> • AllMatchingTSID – all time series that match the TSID (single TSID or TSID with wildcards) will be processed. • AllTS – all time series before the command. • EnsembleID – all time series in the ensemble will be processed. • FirstMatchingTSID – the first time series that matches the TSID (single TSID or TSID with wildcards) will be processed. • LastMatchingTSID – the last time series that matches the TSID (single TSID or TSID with wildcards) will be processed. • SelectedTS – the time series are those selected with the <code>SelectTimeSeries()</code> command. 	AllTS
TSID	The time series identifier or alias for the time series to be processed, using the * wildcard character to match multiple time series. Can be specified using <code>\${Property}</code> .	Required if TSList=*TSID.
EnsembleID	The ensemble to be processed, if processing an ensemble. Can be specified using <code>\${Property}</code> .	Required if TSList=EnsembleID.
OutputStart	The date/time for the start of the output. Can be specified using <code>\${Property}</code> .	Use the global output period.
OutputEnd	The date/time for the end of the output. Can be specified using <code>\${Property}</code> .	Use the global output period.
OutputYearType	The output year type, in particular for formatting monthly and daily time series.	Calendar

A sample command file to process data from the State of Colorado’s HydroBase is as follows:

```
SetOutputPeriod(OutputStart="1950-01",OutputEnd="2002-12")
# 08213500 - RIO GRANDE RIVER AT THIRTY MILE BRIDGE NEAR CREEDE
08213500.DWR.Streamflow.Month~HydroBase
# 08217000 - RIO GRANDE AT WASON, BELOW CREEDE, CO.
08217000.USGS.Streamflow.Month~HydroBase
WriteSummary(TSList=AllTS,OutputFile="RioGrandeStreamflow.txt",TSList="AllTS")
```