Command Reference: CheckTimeSeries()

Check time series data values against criteria

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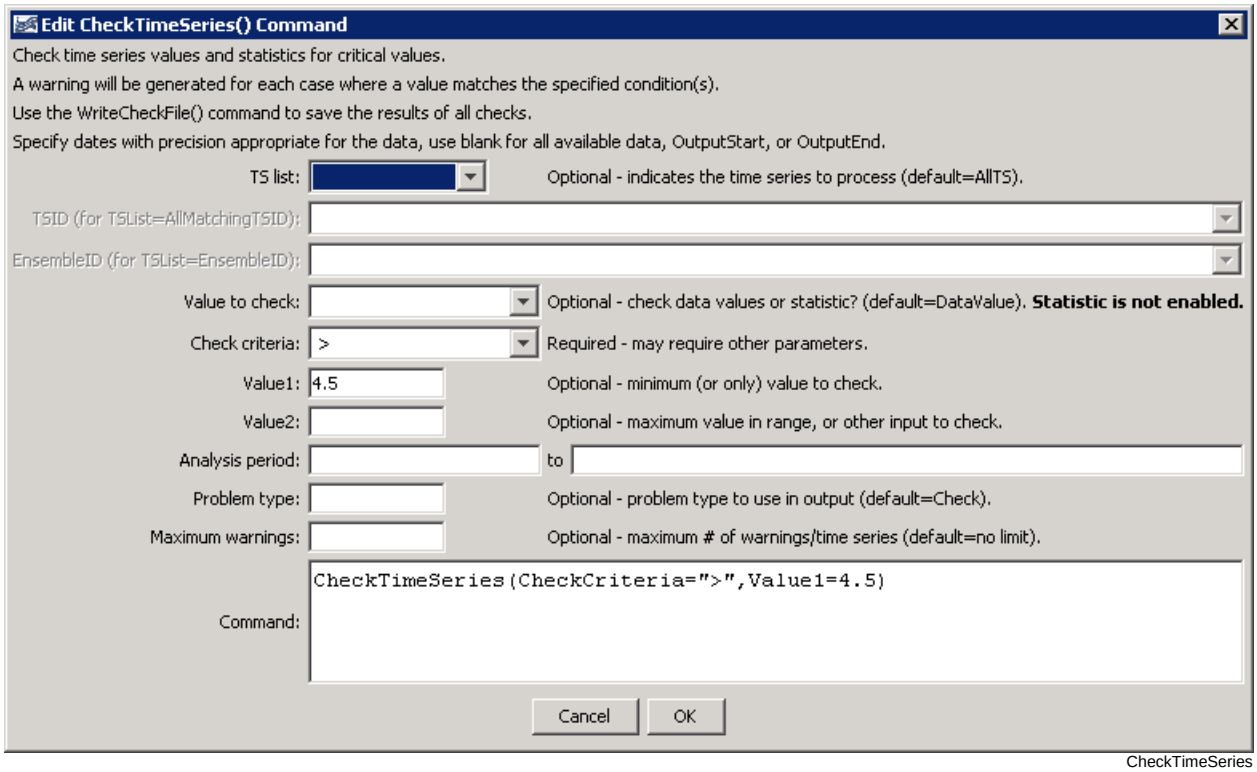
The `CheckTimeSeries()` command checks time series data values against criteria, for example to identify missing, bad, or extreme data values. A warning is generated for each match. The `WriteCheckFile()` command can then be used to write a summary of the warnings.

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



CheckTimeSeries

CheckTimeSeries() Command Editor

The command syntax is as follows:

```
CheckTimeSeries(Parameter=Value,…)
```

Command Parameters

Parameter	Description	Default
`TSList`	Indicates the list of time series to be processed, one of: • `AllMatchingTSID` – all time series that match the `TSID` (single TSID or TSID with wildcards) will be processed. • `AllTS` – all time series before the command will be processed. • `EnsembleID` – all time series in the	`AllTS`

Parameter	Description	Default
	ensemble 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 selected with the `SelectTimeSeries()` command will be processed.	
`TSID`	The time series identifier or alias for the time series to be modified, using the `*` wildcard character to match multiple time series.	Required if `TSList=*TSID`.
`EnsembleID`	The ensemble to be modified, if processing an ensemble.	Required if `TSList=EnsembleID`.
`ValueToCheck`	One of the following: • `DataValue` to indicate that raw data values should be checked. • `Statistic` to indicate that a statistic computed from data values should be checked (currently not enabled).	`DataValue`.
`CheckCriteria`	The criteria that is checked, one of: • `AbsChange>` – check for absolute change from one value to the next value > `Value1` • `AbsChangePercent>` – check for absolute change in percent from one value to the next value > `Value1`. • `InRange` – check for value in range >= `Value1` and <= `Value2`. • `OutOfRange` – check for value < `Value1` or > `Value2`. • `Missing` – check for missing values. • `Repeat` – check for values that are the same as the previous value. • `<` – check for values < `Value1`. • `<=` – check for values <= `Value1`. • `>` – check for values > `Value1`. • `>=` – check for values >= `Value1`. • `==` – check for values equal to `Value1`.	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.
`ProblemType`	The problem type that will be shown in warning messages (currently not enabled).	`Check`
`MaxWarnings`	The maximum number of warnings to list for each time series, useful if output is very large.	List all warnings.