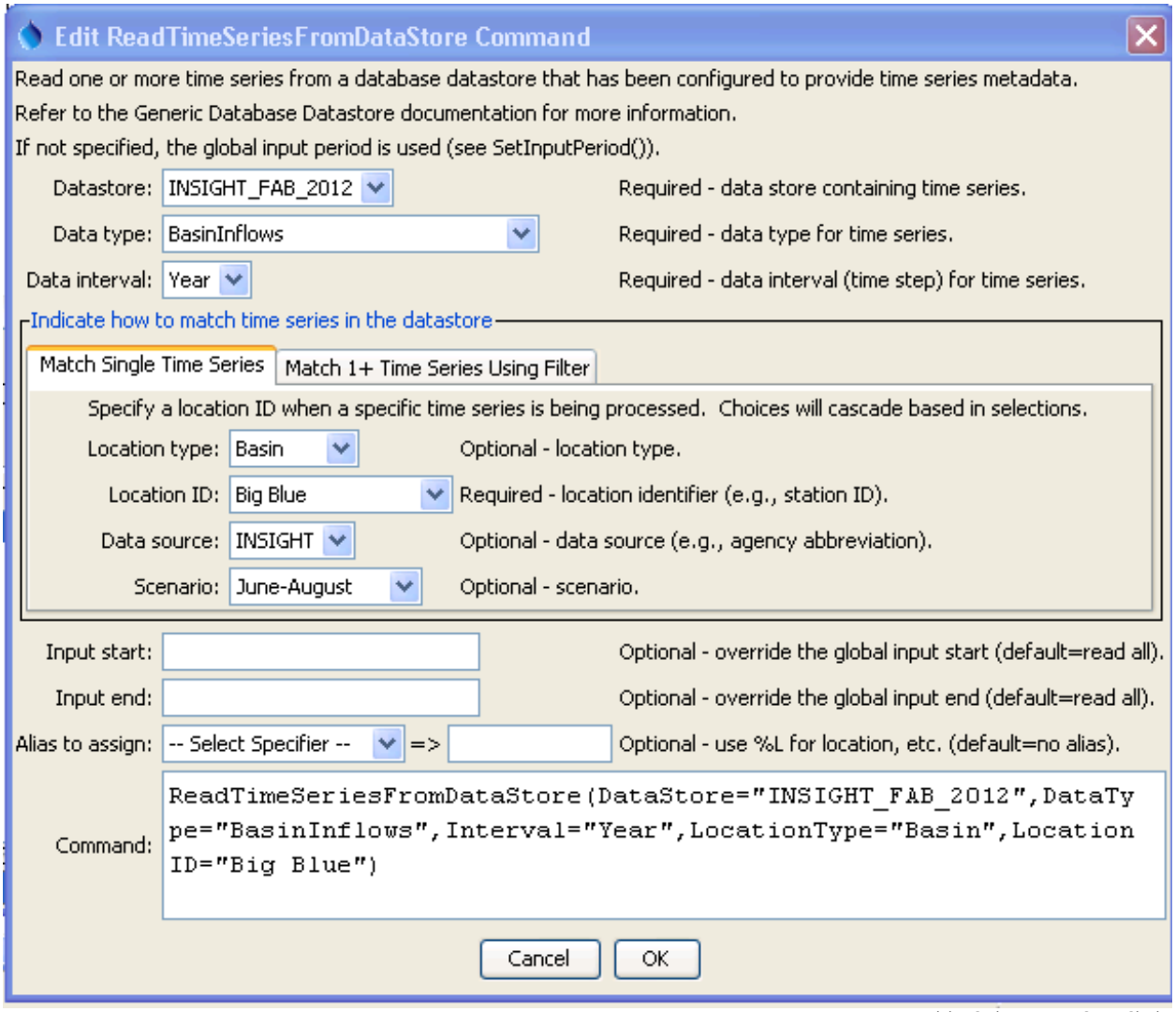
Command Reference: ReadTimeSeriesFromDataStore()

Read time series from a database datastore

Version 11.08.00, 2016-02-03

The `ReadTimeSeriesFromDataStore()` command reads one or more time series from a generic database datastore that has been configured to provide time series data. See the **Generic Database Datastore** appendix, in particular for information about configuring a data store to support time series queries. Such a configuration relies on a simple database design that can be handled in a general way.

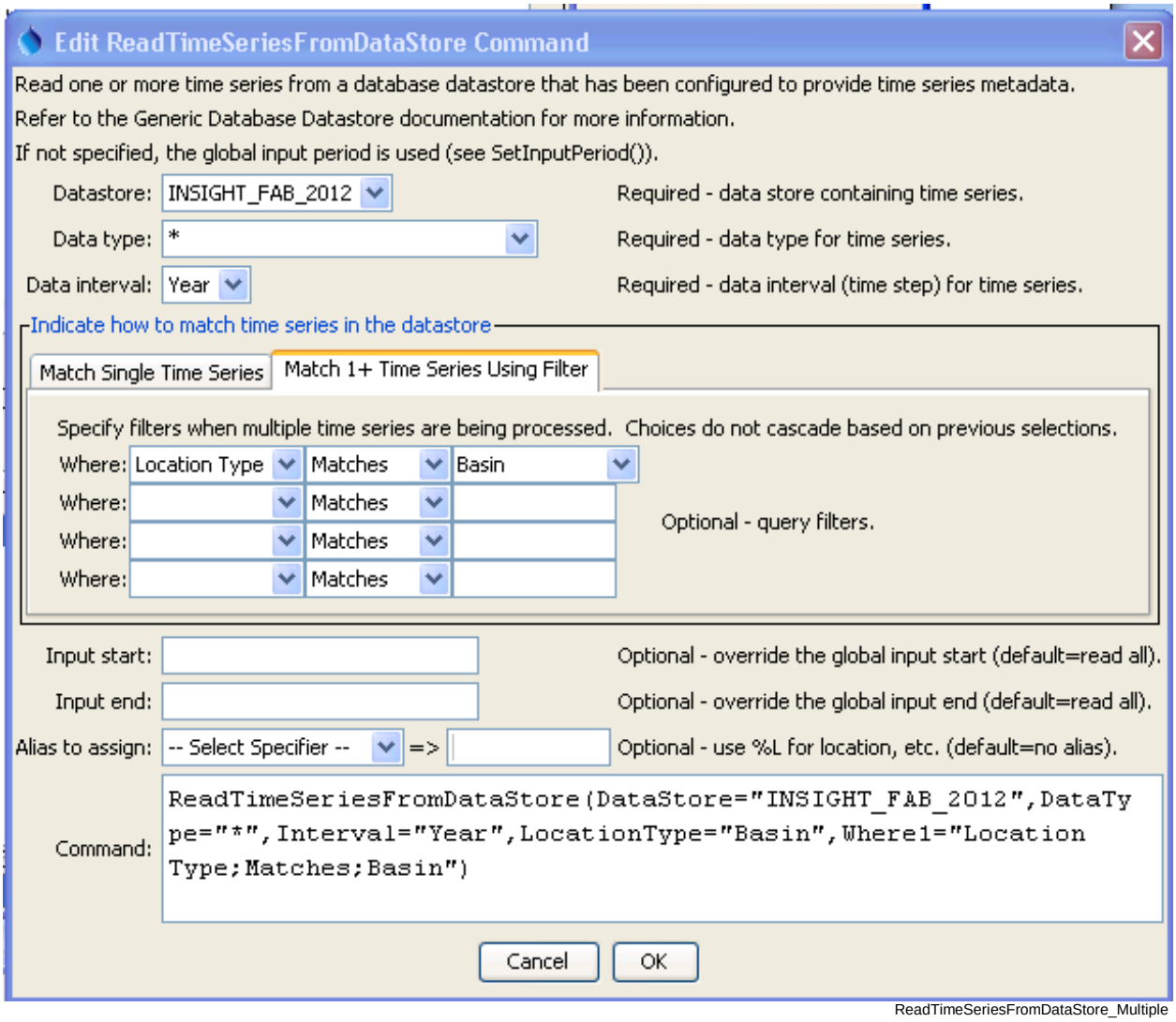
The following dialog is used to edit the command and illustrates the syntax for the command when reading a single time series. This is appropriate when a specific location is being processed.



ReadTimeSeriesFromDataStore_Single

ReadTimeSeriesFromDataStore() Command Editor for Reading Single Time Series

The following dialog is used to edit the command and illustrates the syntax for the command when reading multiple time series. This is appropriate when performing bulk processing. Mouse over the ***Where*** data entry fields to see information about choices.



ReadTimeSeriesFromDataStore_Multiple

ReadTimeSeriesFromDataStore() Command Editor for Reading Multiple Time Series

The command syntax is as follows:

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

Command Parameters

Parameter	Description	Default
`DataStore`	The name of the data store from which to read.	None – must be specified.
`DataType`	The data type to be queried. A choice of `*` is automatically added to choices to allow all data types to be queried (when reading multiple time series).	None – must be specified.
`Interval`	The data interval for the time series.	None – must be

Parameter	Description	Default
		specified.
LocationType	Location type, used when reading a single time series.	
LocationID	Location identifier, used when reading a single time series.	If not specified, the WhereN filters are used.
DataSource	Data source, used when reading a single time series.	
Scenario	Scenario, used when reading a single time series.	
WhereN	Used when reading 1+ time series. The "where" clauses to be applied to filter the list of stations, matching the values in the ***Where*** fields in the command editor dialog and the TSTool main interface. The parameters should be named Where1, Where2, etc., and a gap in numbering will result in the remaining items being ignored. The format of each value is: "Item;Operator;Value" Where Item indicates a data field to be filtered on, Operator is the type of constraint, and Value is the value to be checked when querying.	If not specified, the query will not be limited and very large numbers of time series may be queried.
InputStart	Start of the period to query, specified as a date/time with a precision that matches the requested data interval. Can specify using ${Property} notation.	Read all available data.
InputEnd	End of the period to query, specified as a date/time with a precision that matches the requested data interval. Can specify using ${Property} notation.	Read all available data.
Alias	The alias to assign to the time series, as a literal string or using the special formatting characters listed by the command editor. The alias is a short identifier used by other commands to locate time series for processing, as an alternative to the time series identifier (TSID).	None – must be specified.

This page is intentionally blank.