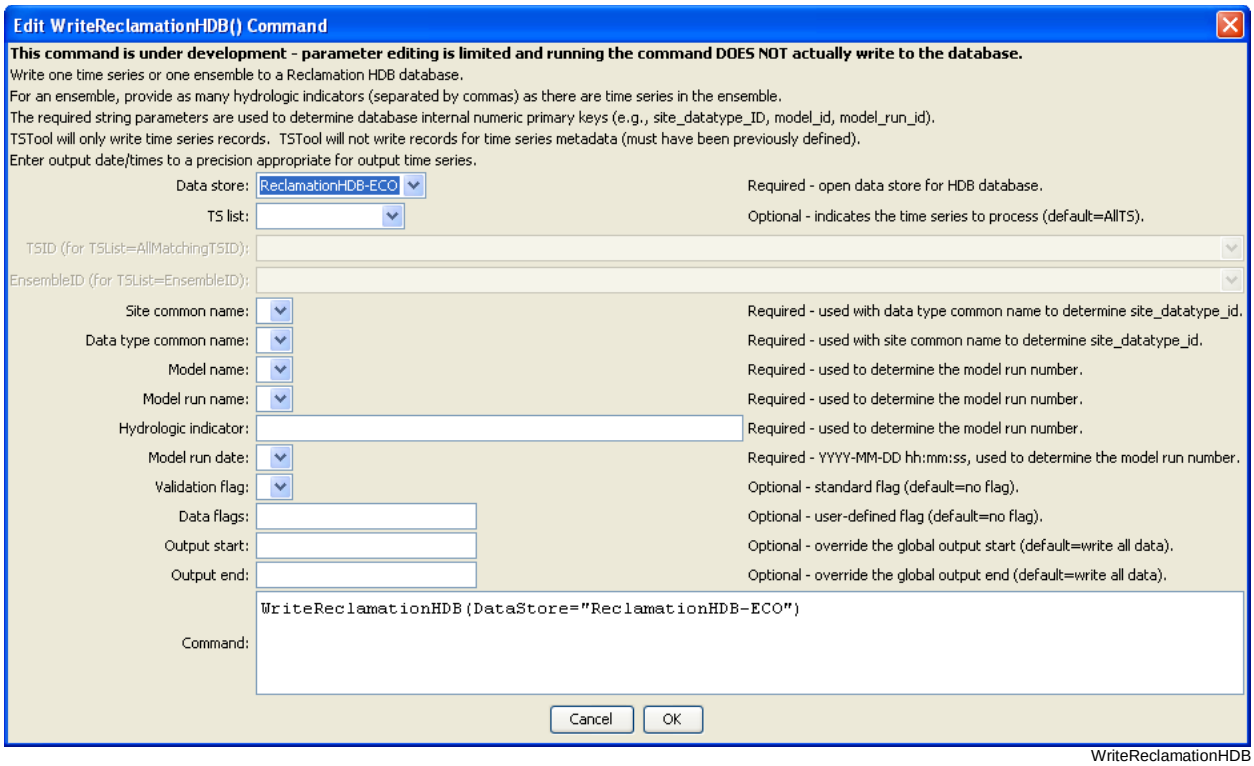
Command Reference: WriteReclamationHDB()

Write a time series or an ensemble to a Reclamation HDB database

Version 10.00.05, 2011-10-03

The `WriteReclamationHDB()` command writes a single time series or an ensemble to the Reclamation HDB database. See the **Reclamation HDB Data Store Appendix** for more information about the database features and limitations. This command is preliminary – additional resources are required to complete the implementation – currently the command editor shows envisioned parameters but editing is limited and time series are not written to the database. The command will not define a new time series but will update the data records for an existing time series. The "write_to_hdb" stored procedure is used to write the data, which does the following… would be useful to document how update/insert is handled, etc. This command will only write model data (not real data) – should this be a limitation?

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



WriteReclamationHDB

WriteReclamationHDB() Command Editor

The command syntax is as follows:

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

Command Parameters

Parameter	Description	Default
`DataStore`	The identifier for the ReclamationHDB data store to use for the database.	None – must be specified.

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. • `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 `SelectTimeSeries()` 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.	Required if `TSList=*TSID`.
`EnsembleID`	The ensemble to be processed, if processing an ensemble.	Required if `TSList=EnsembleID`.
`Site CommonName`	The site common name for the time series location; used with the data type common name to determine the site_datatype_id in the database.	None – must be specified.
`DataType CommonName`	The data type common name for the time series; used with the site common name to determine the site_datatype_id in the database.	None – must be specified.
`ModelName`	The model name for the time series; used with the model run name, hydrologic indicator(s), and model run date to determine the model run number in the database.	None – must be specified.
`ModelRunName`	The model run name for the time series; used with the model name, hydrologic indicator(s), and model run date to determine the model run number in the database.	None – must be specified.
`Hydrologic Indicator`	The hydrologic indicator(s) to use for the time series; used with the model name, model run name, and model run date to determine the model run number in the database. Specify multiple values separated by commas when writing an ensemble.	None – must be specified.
`ModelRunDate`	The model run date (timestamp) to use for the time series; used with the model name, model run name, and hydrologic indicator(s) to determine the model run number in the database.	None – must be specified.
`Validation Flag`	HDB validation flag (documentation reference?).	No flag is used.
`DataFlags`	User-defined flags (documentation reference?).	No flags are used.
`OutputStart`	The date/time for the start of the output.	Use the global output period.
`OutputEnd`	The date/time for the end of the output.	Use the global output period.