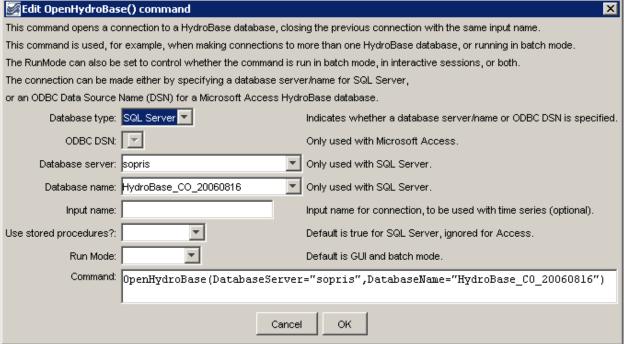
Command Reference: OpenHydroBase()

Open a connection to a HydroBase database

Version 08.15.00, 2008-05-08

The OpenHydroBase () command opens a connection to a HydroBase database, allowing data to be read from the database (e.g., with ReadHydroBase () commands and time series identifiers that have ~HydroBase input types). This command is not typically used for interactive sessions but may be inserted to run in batch only mode to allow a specific database and commands files to be distributed. It may also be used in cases where time series are read from different HydroBase databases, perhaps to compare the contents of the databases – in this case two OpenHydroBase () commands would be used. When connecting to a SQL Server database, a connection will be tried for MSDE and full SQL Server. If both fail, a warning will be shown.

The following dialog is used to edit this command and illustrates the command syntax. The **Database** *type* is used to control settings for parameters and is not itself a parameter.



OpenHydroBase() Command Editor

OpenHydroBase

The command syntax is as follows:

OpenHydroBase(Parameter=Value,...)

Command Parameters

Parameter	Description	Default
OdbcDsn	The ODBC DSN to use for the	Required if a Microsoft Access
	connection, used only when working	database is used.
	with a Microsoft Access database.	
DatabaseServer	Used with a SQL Server HydroBase.	Required if a SQL Server
	Specify the SQL Server database	database is used, and accepts the
	machine name. A list of choices will	generic value
	be shown, corresponding to properties	DatabaseServer=local,
	in the <i>CDSS.cfg</i> configuration file.	which will automatically be
		translated to the name of the
		local computer.
DatabaseName	Used with a SQL Server HydroBase.	HydroBase
	The name of the database typically	
	follows a pattern similar to:	
	HydroBase_CO_YYYYMMDD. A list	
	of choices will be shown,	
	corresponding to properties in the	
	CDSS.cfg configuration file.	
InputName	The input name corresponding to the	Blank (no input name).
	~InputType~InputName	
	information in time series identifiers.	
	This is used when more than one	
	HydroBase connection is used in the	
77 61 15 1	same commands file.	
UseStoredProcedures	Used with SQL Server, indicating	True (used stored procedures).
	whether stored procedures are used.	
	Stored procedures are the default and	
	should be used except when testing	
RunMode	software.	GUIAndBatch
Runmode	Indicates when the command should be	GUTANGBAUCH
	run, one of:	
	Databonia my the second of	
	BatchOnly – run the command only in batch mode.	
	GUIOnly – run the command only in GUI mode.	
	GUI mode. GUIAndBatch – run the command in	
	batch and GUI mode.	

The following example command file illustrates how to connect to a SQL Server database running on a machine named "sopris":

```
StartLog(LogFile="Results/Example_OpenHydroBase_DatabaseName.TSTool.log")
OpenHydroBase(DatabaseServer="sopris", DatabaseName="HydroBase_CO_20060816")
TS ts = ReadHydroBase(TSID="BOXHUDCO.DWR.Streamflow.Month")
```

Example_OpenHydroBase_DatabaseName

The following example command file illustrates how to make two HydroBase database connections, in this case to test whether the stored procedure and SQL queries return the same results (the InputName parameter is used to tell TSTool which connection to use when reading data based on time series identifiers):

```
OpenHydroBase(DatabaseServer="hbserver",RunMode=GUIAndBatch,
    UseStoredProcedures=True,InputName="SP")
OpenHydroBase(DatabaseServer="hbserver",RunMode=GUIAndBatch,
    UseStoredProcedures=False,InputName="NoSP")
TS ts_sp =
ReadHydroBase(TSID="BOXHUDCO.DWR.Streamflow.Month~HydroBase~SP")
TS ts_nosp =
ReadHydroBase(TSID="BOXHUDCO.DWR.Streamflow.Month~HydroBase~NoSP")
```

Example_OpenHydroBase_TwoConnections.TSTool

The following example commands file illustrates how to connect to a Microsoft Access database (although Microsoft Access databases are no longer supported):

```
OpenHydroBase(RunMode=GUIAndBatch,OdbcDsn="HydroBase_DIV1_20030701")
```

Openh	lvdroBase) Command
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TSTool Documentation

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