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# Command Reference: RunCommands()

## Run a command file

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The `RunCommands()` command runs a command file. This command can be used to manage workflow where multiple commands files are run, and is also useful for testing.

Command files that are run can themselves include `RunCommands()` commands. Each command file that is run has knowledge of its initial working directory and relative paths referenced in the command file are relative to this directory. This allows a master command file to reside in a different location than the individual command files that are being run. The current working directory is reset to that of the command file being run.

There is currently no special handling of log files; consequently, if the main command file opens a log file and then a command file is run that opens a new log file, the main log file will be closed. This behavior is being evaluated.

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

**Edit RunCommands() Command**

Read a command file and run the commands.  
Time series results are cleared before processing each command file.  
The (success/warning/failure) status from each command file is used for the RunCommands() command.  
Specify a full or relative path (relative to working directory).  
The working directory is: C:\Develop\TSTool\_SourceBuild\TSTool\test\regression\UserManualExamples\TestCases\CommandReference\RunCommands

Command file to run:

Expected status:  Use for testing (overall status=Success if matches this).

Command:

RunCommands

### RunCommands() Command Editor

The command syntax is as follows:

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

### Command Parameters

Parameter	Description	Default
InputFile	The name of the command file to run, enclosed in double quotes if the file contains spaces or other special characters. A path relative to the master command file can be specified.	None – must be specified.
ExpectedStatus	Used for testing – indicates the expected status from the command, one of: <ul style="list-style-type: none"> <li>Unknown</li> <li>Success</li> <li>Warning</li> <li>Failure</li> </ul>	Success
AppendResults	Envisioned for implementation in the future. Indicate whether time series results from each command file should be appended to the overall time series results. This parameter currently always defaults to False, but support for True may be implemented in the future. Consequently, only the time series results from the last command file that is run will be displayed in TSTool.	Currently always False

The following example illustrates how the RunCommands () command can be used to test TSTool software (or any implementation of commands). First, individual command files are implemented to test specific functionality, which will result in warnings if a test fails:

```
StartLog(LogFile="Results/Test_ReadStateMod_1.TSTool.log")
TS Alias = NewPatternTimeSeries(NewTSID="MyLoc..MyData.Day",
    Description="Test data",SetStart="1950-01-01",
    SetEnd="1951-03-12",Units="CFS",PatternValues="5,10,12,13,75")
# Uncomment the following command to regenerate the expected results file.
# WriteStateMod(TSList=AllTS,
#     OutputFile="ExpectedResults\Test_ReadStateMod_1_out.stm")
ReadStateMod(InputFile="ExpectedResults\Test_ReadStateMod_1_out.stm")
CompareTimeSeries(Precision=3,Tolerance=".001",DiffFlag="X",
    WarnIfDifferent=True)
```

Next, use the RunCommands () command to run one or more tests:

```
StartRegressionTestResultsReport(
    OutputFile="RunRegressionTest_commands_general.TSTool.out.txt")
...
RunCommands(InputFile="..\..\..\commands\general\ReadStateMod\Test_ReadStateMod_1.TSTool")
...
```

Each of the above command files should produce expected time series results, without warnings. If any command file unexpectedly produces a warning, a warning will also be visible in TSTool. The issue can then be evaluated to determine whether a software or configuration change is necessary.