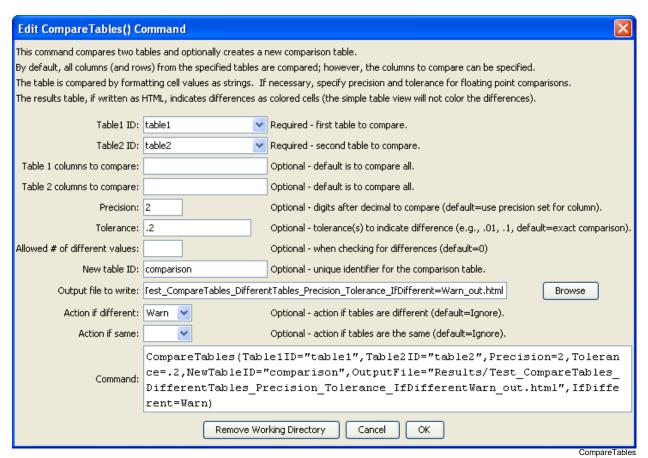
## Command Reference: CompareTables()

Compare tables
Version 10.03.00, 2012-01-07

The CompareTables() command compares columns from two tables, saving the results in a new table. Comparisons are made using the data values formatted as strings based on the precision shown in tables. If the table was read with ReadFromDelimitedFile(), the precision for floating point numbers is set based on the largest number of digits after the decimal encountered in the input. Optionally, a precision and tolerance can be specified to control the comparison of floating point values. Values that are the same are shown in the new table without modification. Values that are different result in both table values being shown (as strings) to allow comparison. The command also allows the comparison table to be output to an HTML file, in which case different values are shown as red.

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



CompareTables() Command Editor

The command syntax is as follows:

CompareTables(Parameter=Value,...)

## **Command Parameters**

Parameter	Description	Default
TableID1	The identifier for the first table to be compared.	None – must be
		specified.
TableID2	The identifier for the second table to be compared.	None – must be
		specified.
CompareColumns1	The names of columns to be compared from the first	All columns will be
	table, separated by columns.	compared.
CompareColumns2	The names of columns to be compared from the second	All columns will be
	table, separated by columns.	compared.
Precision	The number of digits after the decimal to consider	Format floating point
	when comparing floating point values. If values are	numbers as strings for
	different to the specified (or default) precision, both	comparison according
	values are shown in the comparison table.	to the table column
m 1 .	A 1 ' 1' 2' 4 11 1 1'CC 1 4	precision.
Tolerance	A value indicating the allowed difference between	Floating point values
	floating point values. The tolerance should be	must exactly match,
	consistent with the precision (i.e., don't specify a	according to the
	coarse precision and fine tolerance). If the difference is less than the tolerance, the values will not be marked as	precision.
	different.	
AllowedDiff	The allowed number of differences before triggering a	0
MIIOWCGDIII	Warn/Fail message (see IfDifferent). A value >=	
	0 indicates that the number of differences must be the	
	same as the specified value. A negative value indicates	
	that the number of differences can be less than or equal	
	to the specified value. This parameter is useful for	
	constructing tests where a specified number of	
	differences is expected.	
NewTableID	The identifier for the new comparison table.	Table1ID-
	•	Table2ID-
		comparison
OutputFile	If specified, an HTML table will be created for the	No HTML output file
	comparison table, in which different values are	will be created.
	highlighted in red.	
IfDifferent	Indicates the action to be taken if the tables are	Do not generate a
	different:	warning if the tables
	• Ignore – do not generate warning	are different.
	Warn – generate a warning message	
	Fail – generate a failure message	
IfSame	Indicates the action to be taken if the tables are the	Do not generate a
	same:	warning if the tables
	• Ignore – do not generate warning	are the same.
	Warn – generate a warning message	
	• Fail – generate a failure message	