



Deltares

Delft-FEWS Anwendertreffen

Buttons Panel

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What is the Buttons Panel?

Additional filter Display for Time Series Display

- Filters displayed table columns
- Filters displayed plots
- Based on parameters and locations

[17 TimeSeriesButtonsPanels - DELFT-FEWS Documentation - Deltares Public Wiki](#)

The screenshot displays the RTCTools DCF Simulation interface. The main window shows a data table with columns A through F, representing different simulation units. The table data is as follows:

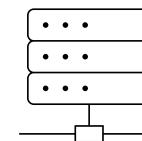
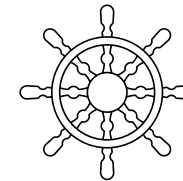
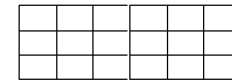
	A	B	C	D	E	F
EST	P.sim (MW)	P.sim (MW)	P.sim (MW)	P.sim (MW)	P.sim (MW)	P.sim (MW)
	DeCew NF23 Ge 076HGS0190_0	DeCew ND1 Ge 076HGS0200_0	DeCew NF23 Ge 076HGS0190_0	DeCew ND1 Ge 076HGS0200_0	DeCew ND1 Ge 076HGS0200_0	DeCew ND1 Ge 076HGS0200_0
	[1]	[1]	[1]	[1]	[1]	[1]
	15-06-2023 24:00:00	15-06-2023 24:00:00	15-06-2023 24:00:00	15-06-2023 24:00:00	15-06-2023 24:00:00	15-06-2023 24:00:00
Thu 15-06-2023 08:00	65.2	4.9	65.2	4.9	4.9	4.9
Thu 15-06-2023 09:00	65.2	4.9	65.2	4.9	4.9	4.9
Thu 15-06-2023 10:00	65.3	4.9	65.3	4.9	4.9	4.9
Thu 15-06-2023 11:00	65.3	4.9	65.3	4.9	4.9	4.9
Thu 15-06-2023 12:00	65.3	4.9	65.3	4.9	4.9	4.9
Thu 15-06-2023 13:00	65.4	4.9	65.4	4.9	4.9	4.9
Thu 15-06-2023 14:00	65.4	4.9	65.4	4.9	4.9	4.9
Thu 15-06-2023 15:00	65.4	4.9	65.4	4.9	4.9	4.9
Thu 15-06-2023 16:00	65.5	4.9	65.5	4.9	4.9	4.9
Thu 15-06-2023 17:00	65.5	4.9	65.5	4.9	4.9	4.9
Thu 15-06-2023 18:00	65.5	4.9	65.5	4.9	4.9	4.9
Thu 15-06-2023 19:00	65.5	4.9	65.5	4.9	4.9	4.9
Thu 15-06-2023 20:00	65.6	4.9	65.6	4.9	4.9	4.9
Thu 15-06-2023 21:00	65.6	4.9	65.6	4.9	4.9	4.9
Thu 15-06-2023 22:00	65.6	4.9	65.6	4.9	4.9	4.9
Thu 15-06-2023 23:00	65.7	4.9	65.7	4.9	4.9	4.9
Thu 15-06-2023 24:00	65.7	4.9	65.7	4.9	4.9	4.9
Fri 16-06-2023 01:00						
Fri 16-06-2023 02:00						
Fri 16-06-2023 03:00						
Fri 16-06-2023 04:00						

The Buttons Panel on the right side of the interface provides a structured view of simulation components. It includes sections for 'Hydraulic Structure', 'Input', 'Output', and 'Statistics'. The 'Buttons' section lists units from Unit 1 to Unit 6. The 'Statistics' section includes buttons for 'Dispatch', 'Unit Q', 'Unit Onpeak P', 'Initial Unit Q', 'Unit P', and 'Unit Offpeak P'. Other sections include 'Plant 1', 'Plant 2', 'Total', 'Lake', and 'Intake' buttons, along with 'Power output', 'Discharge', and 'Economy Factor' options.

Why use the Buttons Panel?

Examples for application:

- Integrate large Excel sheets
- Reservoir operation
- Integration of RTC-Tools models



How does the Buttons Panel work?

Large table (spread sheet) without Buttons Panel

The screenshot displays a software interface with a toolbar at the top containing various icons for navigation and analysis. Below the toolbar is a dropdown menu labeled '< Select a statistical function >'. The main area is a large table with columns labeled V, W, X, Y, Z, AA, AB, AC, AD, AE, and an unlabeled column. The rows represent simulation data for different turbines and power simulations over time. The table is titled 'EST' and shows data for 'Thu 15-06-2023' and 'Fri 16-06-2023'. The data includes values for flow rate (m3/s) and power (MW).

	V	W	X	Y	Z	AA	AB	AC	AD	AE	
	Q.turbine.sim (m3/s)	Q.turbine.sim (m3/s)	Q.turbine.sim (m3/s)	Q.turbine.sim (m3/s)	Q.turbine.sim (m3/s)	P.sim (MW)	P.sim (MW)	P.sim (MW)	P.sim (MW)	P.sim (MW)	P.sim (MW)
EST											
	DeCew ND1 Ge	DeCew NF23 Ge	DeCew ND1 Ge	DeCew ND1 Ge	DeCew ND1 Ge	DeCew NF23 Ge	DeCew ND1 Ge	DeCew NF23 Ge	DeCew ND1 Ge	DeCew ND1 Ge	DeCew
	350200_00	076HGS0190_00	076HGS0200_00	076HGS0200_00	076HGS0200_00	076HGS0190_00	076HGS0200_00	076HGS0190_00	076HGS0200_00	076HGS0200_00	076HG
	[2]	[2]	[2]	[2]	[2]	[2]	[2]	[2]	[2]	[2]	[2]
	15-06-2023	15-06-2023	15-06-2023	15-06-2023	15-06-2023	15-06-2023	15-06-2023	15-06-2023	15-06-2023	15-06-2023	15-06-2023
	24:00:00	24:00:00	24:00:00	24:00:00	24:00:00	24:00:00	24:00:00	24:00:00	24:00:00	24:00:00	24:00:00
Thu 15-06-2023 08:00	8.131	86.125	8.131	8.131	8.131	65.2	4.9	65.2	4.9	4.9	
Thu 15-06-2023 09:00	8.133	86.141	8.133	8.133	8.133	65.2	4.9	65.2	4.9	4.9	
Thu 15-06-2023 10:00	8.134	86.156	8.134	8.134	8.134	65.3	4.9	65.3	4.9	4.9	
Thu 15-06-2023 11:00	8.136	86.172	8.136	8.136	8.136	65.3	4.9	65.3	4.9	4.9	
Thu 15-06-2023 12:00	8.138	86.187	8.138	8.138	8.138	65.3	4.9	65.3	4.9	4.9	
Thu 15-06-2023 13:00	8.140	86.202	8.140	8.140	8.140	65.4	4.9	65.4	4.9	4.9	
Thu 15-06-2023 14:00	8.141	86.217	8.141	8.141	8.141	65.4	4.9	65.4	4.9	4.9	
Thu 15-06-2023 15:00	8.143	86.232	8.143	8.143	8.143	65.4	4.9	65.4	4.9	4.9	
Thu 15-06-2023 16:00	8.144	86.246	8.144	8.144	8.144	65.5	4.9	65.5	4.9	4.9	
Thu 15-06-2023 17:00	8.146	86.261	8.146	8.146	8.146	65.5	4.9	65.5	4.9	4.9	
Thu 15-06-2023 18:00	8.148	86.275	8.148	8.148	8.148	65.5	4.9	65.5	4.9	4.9	
Thu 15-06-2023 19:00	8.149	86.289	8.149	8.149	8.149	65.5	4.9	65.5	4.9	4.9	
Thu 15-06-2023 20:00	8.151	86.302	8.151	8.151	8.151	65.6	4.9	65.6	4.9	4.9	
Thu 15-06-2023 21:00	8.152	86.316	8.152	8.152	8.152	65.6	4.9	65.6	4.9	4.9	
Thu 15-06-2023 22:00	8.154	86.329	8.154	8.154	8.154	65.6	4.9	65.6	4.9	4.9	
Thu 15-06-2023 23:00	8.155	86.342	8.155	8.155	8.155	65.7	4.9	65.7	4.9	4.9	
Thu 15-06-2023 24:00	8.157	86.355	8.157	8.157	8.157	65.7	4.9	65.7	4.9	4.9	
Fri 16-06-2023 01:00											
Fri 16-06-2023 02:00											

RTCTools DCF Simulation Preprocess: [1] simulation preprocessing Wed 14-06-2023 24:00:00 EST Local RTCTools DCF Simulation: [2] simulation run Wed 14-06-2023 24:00:00 EST Local

Buttons Panel: 9 Buttons

Map | Data Display | Spatial Data | Workflow Navigator | Modifiers | Config Metadata | Web Browser

How does the Buttons Panel work?

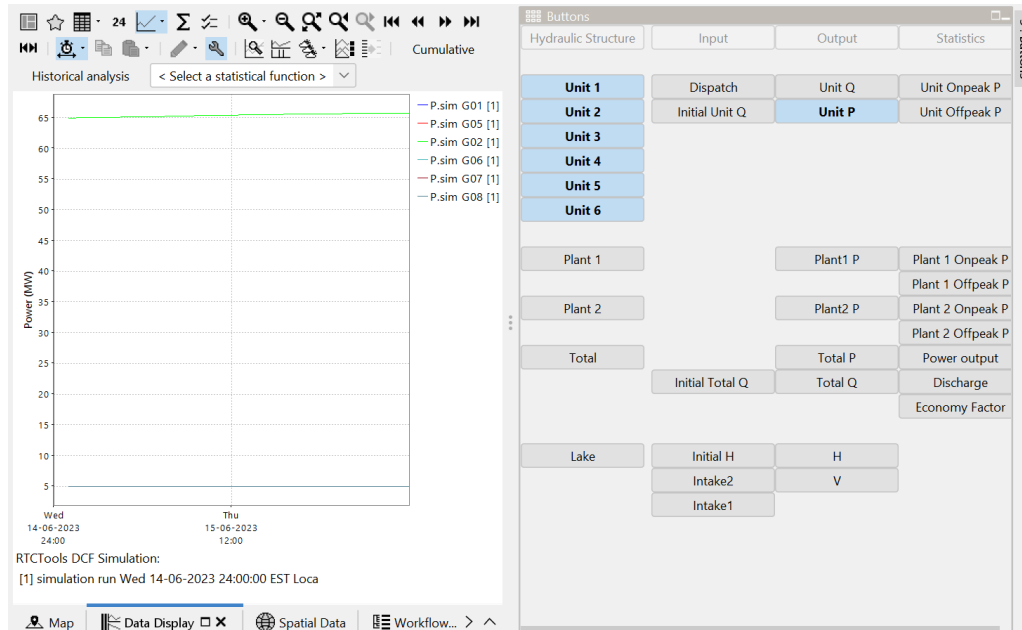
The screenshot displays the RTCTools DCF Simulation interface, divided into several key panels:

- Workflow Panel (Left):** A tree view showing the simulation topology. A callout box points to the 'simulation run' node, stating: "Select node in topology (Workflow Panel)".
- Data Display (Center):** A table showing simulation results. A callout box points to the table header, stating: "Open/hide table or graph".

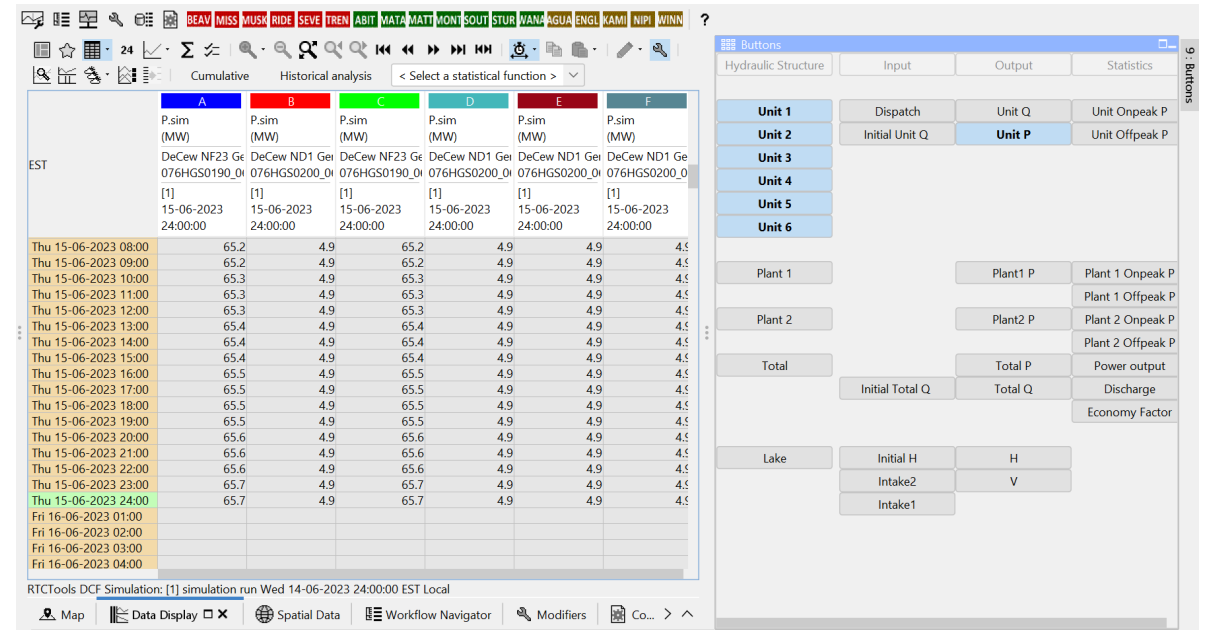
	B	C	D	E
EST	P.sim (MW)	P.sim (MW)	P.sim (MW)	P.sim (MW)
6-2023	15-06-2023	15-06-2023	15-06-2023	15-06-2023
00:00	24:00:00	24:00:00	24:00:00	24:00:00
Thu 15-06-2023 08:00	4.9	65.2	4.9	4.9
Thu 15-06-2023 09:00	4.9	65.2	4.9	4.9
Thu 15-06-2023 10:00	4.9	65.3	4.9	4.9
Thu 15-06-2023 11:00	4.9	65.3	4.9	4.9
Thu 15-06-2023 12:00	4.9	65.3	4.9	4.9
Thu 15-06-2023 13:00	4.9	65.4	4.9	4.9
Thu 15-06-2023 14:00	4.9	65.4	4.9	4.9
Thu 15-06-2023 15:00	4.9	65.4	4.9	4.9
Thu 15-06-2023 16:00	4.9	65.5	4.9	4.9
Thu 15-06-2023 17:00	4.9	65.5	4.9	4.9
Thu 15-06-2023 18:00	4.9	65.5	4.9	4.9
Thu 15-06-2023 19:00	4.9	65.5	4.9	4.9
Thu 15-06-2023 20:00	4.9	65.6	4.9	4.9
Thu 15-06-2023 21:00	4.9	65.6	4.9	4.9
Thu 15-06-2023 22:00	4.9	65.6	4.9	4.9
Thu 15-06-2023 23:00	4.9	65.7	4.9	4.9
Thu 15-06-2023 24:00	4.9	65.7	4.9	4.9
Fri 16-06-2023 01:00				
Fri 16-06-2023 02:00				
- Buttons Panel (Right):** A grid of buttons categorized into 'Hydraulic Structure', 'Input', 'Output', and 'Statistics'. A callout box points to the 'Unit P' button, stating: "Open Buttons Panel". Another callout box points to the 'Plant 1' and 'Total' buttons, stating: "Select locations and parameters to be shown (here differentiated between input, output and statistics)".

How does the Buttons Panel work?

Filter plots



Filter table



Configuration

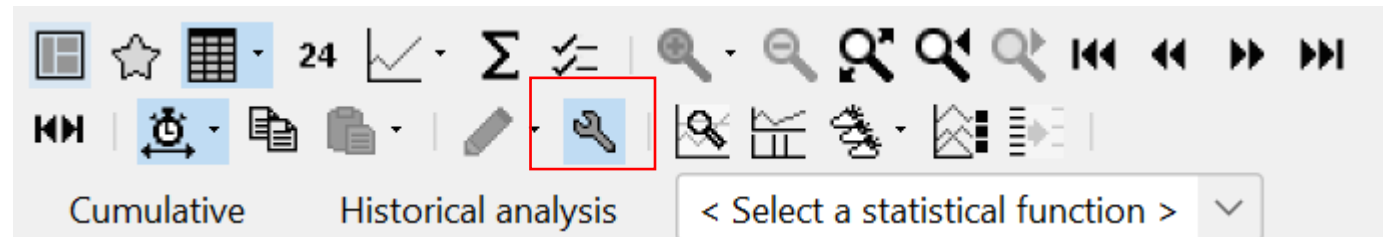
- DisplayConfigFiles\TimeSeriesButtonsPanels.xml
- SystemConfigFiles\Explorer.xml
- RegionConfigFiles\Topology.xml

	= groupId	= name	= column	= row	() locationId	() locationSetId	() parameterId	() qualifierId
1	header	Hydraulic Structure	1	1				
2	header	Input	2	1				
3	header	Output	3	1				
4	header	Statistics	4	1				
5	location	Unit 1	1	3				
6	location	Unit 2	1	4				
7	location	Unit 3	1	5				
8	location	Unit 4	1	6				
9	location	Unit 5	1	7				
10	location	Unit 6	1	8				
11	location	Plant 1	1	10				
12	location	Plant 2	1	12				
13	location	Total	1	14				
14	location	Lake	1	18				
15	parameter	Total P	3	14				
16	parameter	Plant1 P	3	10				
17	parameter	Plant2 P	3	12				
18	parameter	Dispatch	2	3				

Combination with modifiers

- Modify values in the table
- Add values in the table
- Select specific values from a drop-down menu

- Determine your operation
- Customize your operation
- Correct values
- ...



Thu 15-06-2023 06:00	35.000	185.000
Thu 15-06-2023 07:00	35.000	185.000
Thu 15-06-2023 08:00	35.000	200
Thu 15-06-2023 09:00	35.000	185.000
Thu 15-06-2023 10:00	35.000	185.000
Thu 15-06-2023 11:00	35.000	185.000
Thu 15-06-2023 12:00	35.000	185.000
Thu 15-06-2023 13:00	35.000	185.000
Thu 15-06-2023 14:00	35.000	185.000
Thu 15-06-2023 15:00	35.000	185.000

Lake	Initial H	H
	Intake2	V
	Intake1	

Contact

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