

## Runtime Vs Initiative Vs Threads

15° grid, buffer of 10, Simulation step 1 minute, 10 days of simulation time

Median Values

Initiative	All in same thread	Simulation in Own Thread	Presentation in Own Thread	Presentation and Simulation in Own Threads
GUI	26,765,559,894	25,722,042,511	25,902,081,835	27,227,622,437
Presentation	27,156,995,681	26,374,871,304	26,515,824,938	26,168,983,087
Simulation	26,925,352,517	26,177,029,594	26,603,644,407	26,888,166,544

Expressed as percentage of minimum

Initiative	All in same thread	Simulation in Own Thread	Presentation in Own Thread	Presentation and Simulation in Own Threads
GUI	104.06%	100.00%	100.70%	105.85%
Presentation	105.58%	102.54%	103.09%	101.74%
Simulation	104.68%	101.77%	103.43%	104.53%

Expressed as percentage of maximum

Initiative	All in same thread	Simulation in Own Thread	Presentation in Own Thread	Presentation and Simulation in Own Threads
GUI	98.30%	94.47%	95.13%	100.00%
Presentation	99.74%	96.87%	97.39%	96.11%
Simulation	98.89%	96.14%	97.71%	98.75%

## Runtime, grouped by initiative

