		ACCELSIM	MICROGPUSIM	MICROGPUSIM (memory only)	MICROGPUSIM (trace reconstr.)
BabelStream (3 benchmark configurations) @ 28 SM's					
Norm. DRAM reads	RMSE	8.43%	**4.82%**	**4.82%**	**4.82%**
	MAE	8.05%	**2.78%**	**2.78%**	**2.78%**
	Corr.	**0.998**			
Norm. DRAM writes	RMSE	39.79%	**7.09%**	**7.09%**	**7.09%**
	MAE	38.74%	**4.26%**	**4.26%**	**4.26%**
	Corr.	0.998	**1.000**	**1.000**	**1.000**
L1D hit rate	RMSE	**0.00%**	**0.00%**	**0.00%**	**0.00%**
	MAE	**0.00%**	**0.00%**	**0.00%**	**0.00%**
	Corr.	**1.000**	**1.000**	**1.000**	**1.000**
L2D hit rate	RMSE	14.29%	**9.91%**	**9.91%**	**9.91%**
	MAE	12.11%	**5.72%**	**5.72%**	**5.72%**
	Corr.	0.988	**1.000**	**1.000**	**1.000**
Cycles	RMSPE	15.52%	**15.50%**	19.21%	34.89%
	MAPE	**14.76%**	15.49%	19.21%	34.87%
	Corr.	**1.000**	**1.000**	**1.000**	**1.000**
Matrixmul (5 benchmark configurations) @ 28 SM's					
Norm. DRAM reads	RMSE	19.30%	**0.13%**	**0.13%**	**0.13%**
	MAE	14.26%	**0.06%**	**0.06%**	**0.06%**
	Corr.	0.972	**1.000**	**1.000**	**1.000**
Norm. DRAM writes	RMSE	93.01%	16.57%	**16.20%**	18.30%
	MAE	91.54%	7.59%	**7.42%**	8.36%
	Corr.	0.973	**1.000**	**1.000**	**1.000**
L1D hit rate	RMSE	**0.00%**	**0.00%**	0.03%	0.12%
	MAE	**0.00%**	**0.00%**	0.02%	0.06%
	Corr.	**1.000**	**1.000**	**1.000**	**1.000**
L2D hit rate	RMSE	54.83%	0.17%	0.18%	**0.12%**
	MAE	42.86%	0.08%	0.08%	**0.05%**
	Corr.	−0.530	**1.000**	**1.000**	**1.000**
Cycles	RMSPE	21.10%	25.08%	29.09%	**19.01%**
	MAPE	20.30%	23.83%	27.97%	**16.86%**
	Corr.	**1.000**	0.999	**1.000**	**1.000**
Naive Matrixmul (29 benchmark configurations) @ 28 SM's					
Norm. DRAM reads	RMSE	0.70%	**0.00%**	**0.00%**	**0.00%**
	MAE	0.66%	**0.00%**	**0.00%**	**0.00%**
	Corr.		**1.000**	**1.000**	**1.000**
Norm. DRAM writes	RMSE	99.87%	**0.30%**	**0.30%**	**0.30%**
	MAE	99.87%	**0.13%**	**0.13%**	**0.13%**
	Corr.	**0.519**			
L1D hit rate	RMSE	23.96%	0.85%	**0.82%**	1.28%
	MAE	23.84%	0.85%	**0.82%**	0.99%
	Corr.	0.943	**1.000**	0.999	**1.000**
L2D hit rate	RMSE	67.10%	0.96%	0.96%	0.96%
	MAE	63.58%	0.24%	0.24%	0.24%
	Corr.	−0.524			
Cycles	RMSPE	29.56%	25.74%	27.24%	**18.32%**
	MAPE	29.30%	25.36%	26.56%	**10.16%**
	Corr.	**0.997**	0.993	0.990	0.969
Transpose (6 benchmark configurations) @ 28 SM's					
Norm. DRAM reads	RMSE	45.49%	**6.93%**	**6.93%**	**6.93%**
	MAE	44.63%	**3.01%**	**3.01%**	**3.01%**
	Corr.	0.839	**0.854**	**0.854**	**0.854**
Norm. DRAM writes	RMSE	66.56%	**18.38%**	**18.38%**	**18.38%**
	MAE	59.63%	**7.58%**	**7.58%**	**7.58%**
	Corr.	**0.173**			
L1D hit rate	RMSE	**0.00%**	**0.00%**	**0.00%**	**0.00%**
	MAE	**0.00%**	**0.00%**	**0.00%**	**0.00%**
	Corr.	**1.000**	**1.000**	**1.000**	**1.000**
L2D hit rate	RMSE	72.54%	**14.18%**	**14.18%**	**14.18%**
	MAE	66.72%	**6.91%**	**6.91%**	**6.91%**
	Corr.	0.355	**1.000**	**1.000**	**1.000**
Cycles	RMSPE	38.30%	**7.32%**	8.41%	13.54%
	MAPE	27.22%	**5.76%**	7.60%	12.97%
	Corr.	0.911	**0.999**	**0.999**	**0.999**
VectorAdd (12 benchmark configurations) @ 28 SM's					
Norm. DRAM reads	RMSE	31.76%	**5.07%**	**5.07%**	**5.07%**
	MAE	29.95%	**2.07%**	**2.07%**	**2.07%**
	Corr.	**0.999**	0.995	0.995	0.995
Norm. DRAM writes	RMSE	86.42%	**16.41%**	**16.41%**	**16.41%**
	MAE	78.33%	**6.34%**	**6.34%**	**6.34%**
	Corr.	0.994	0.994	0.994	0.994
L1D hit rate	RMSE	**0.00%**	**0.00%**	**0.00%**	**0.00%**
	MAE	**0.00%**	**0.00%**	**0.00%**	**0.00%**
	Corr.	**1.000**	**1.000**	**1.000**	**1.000**
L2D hit rate	RMSE	88.89%	**1.81%**	**1.81%**	**1.81%**
	MAE	81.24%	**0.69%**	**0.69%**	**0.69%**
	Corr.		**0.999**	**0.999**	**0.999**
Cycles	RMSPE	54.40%	9.40%	**7.74%**	9.69%
	MAPE	43.36%	5.62%	**3.53%**	4.04%
	Corr.	0.996	0.996	**0.997**	0.996
Average (55 benchmark configurations) @ 28 SM's					
Norm. DRAM reads	RMSE	22.00%	**3.48%**	**3.48%**	**3.48%**
	MAE	13.49%	**0.94%**	**0.94%**	**0.94%**
	Corr.	**0.987**	0.963	0.963	0.963
Norm. DRAM writes	RMSE	90.80%	11.10%	**11.06%**	11.35%
	MAE	86.69%	3.20%	**3.18%**	3.27%
	Corr.	0.858	**0.975**	**0.975**	0.974
L1D hit rate	RMSE	17.40%	0.62%	**0.60%**	0.93%
	MAE	12.57%	0.45%	**0.43%**	0.53%
	Corr.	0.998	**1.000**	**1.000**	**1.000**
L2D hit rate	RMSE	70.40%	**5.34%**	**5.34%**	**5.34%**
	MAE	63.09%	**1.35%**	**1.35%**	**1.35%**
	Corr.	0.198	**0.965**	**0.965**	**0.965**
Cycles	RMSPE	36.33%	21.09%	22.56%	**17.79%**
	MAPE	30.53%	18.24%	19.19%	**11.09%**
	Corr.	0.970	0.996	**0.997**	0.985