

Dell MX840c — Xeon Gold 6148, 16 GB cap, SATA SSD

Duration [ms]

d	NO			PGLZ			LZ4			ZSTD		
	w=1	w=4	w=8	w=1	w=4	w=8	w=1	w=4	w=8	w=1	w=4	w=8
1	145,981	542,919	871,697	414,711	559,104	688,363	134,469	441,745	712,439	142,425	319,125	461,540
10	157,407	551,573	905,409	412,083	548,715	692,731	145,479	442,637	772,181	151,062	314,924	452,505
100	170,523	540,725	889,023	376,698	481,024	596,093	136,743	378,038	564,792	144,250	265,659	390,450
1000	167,128	566,697	882,833	258,501	291,634	373,995	121,115	221,338	346,806	128,685	154,056	252,232

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Duration as % of uncompressed (same d, same w) — <100% = faster, >100% = slower

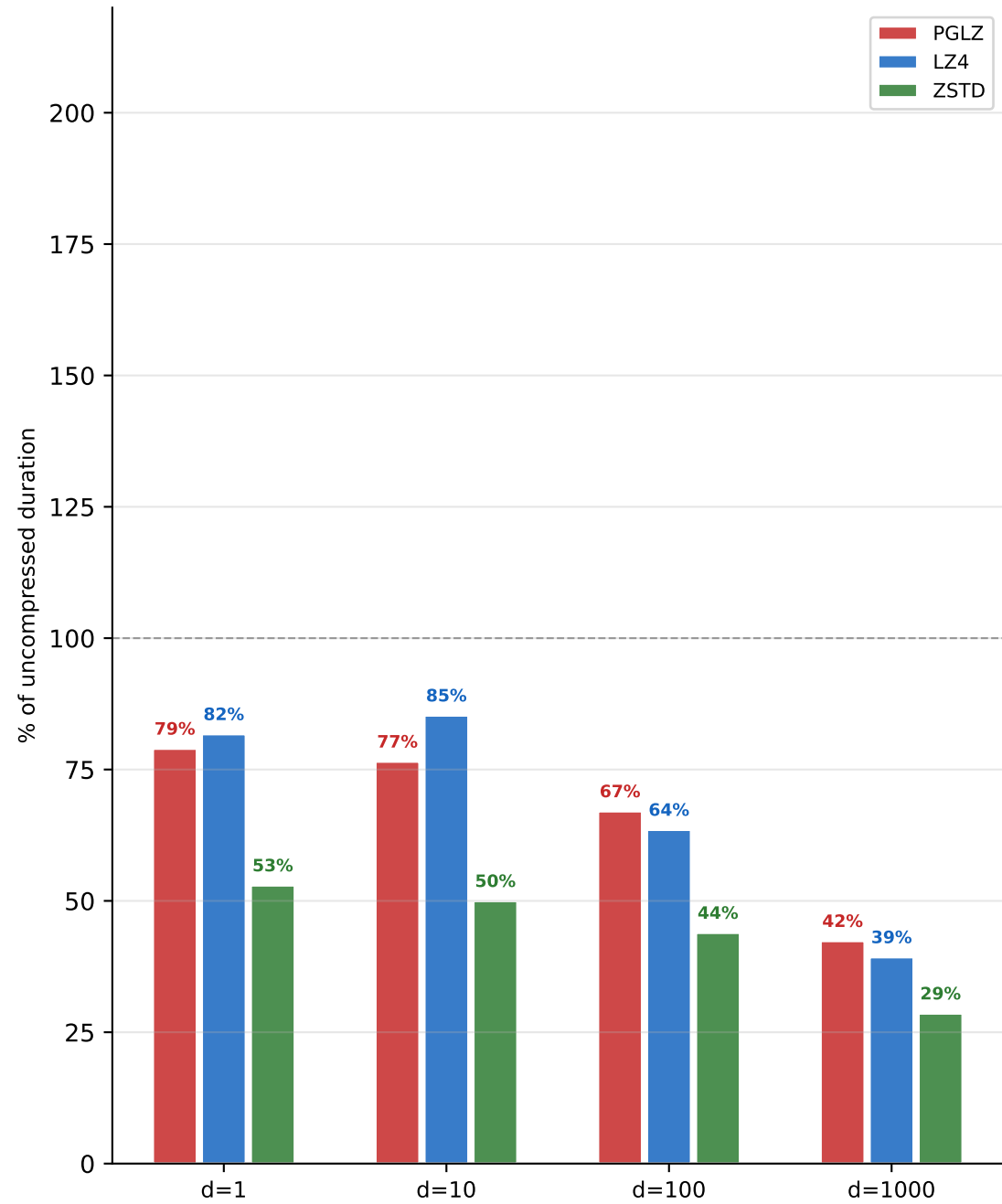
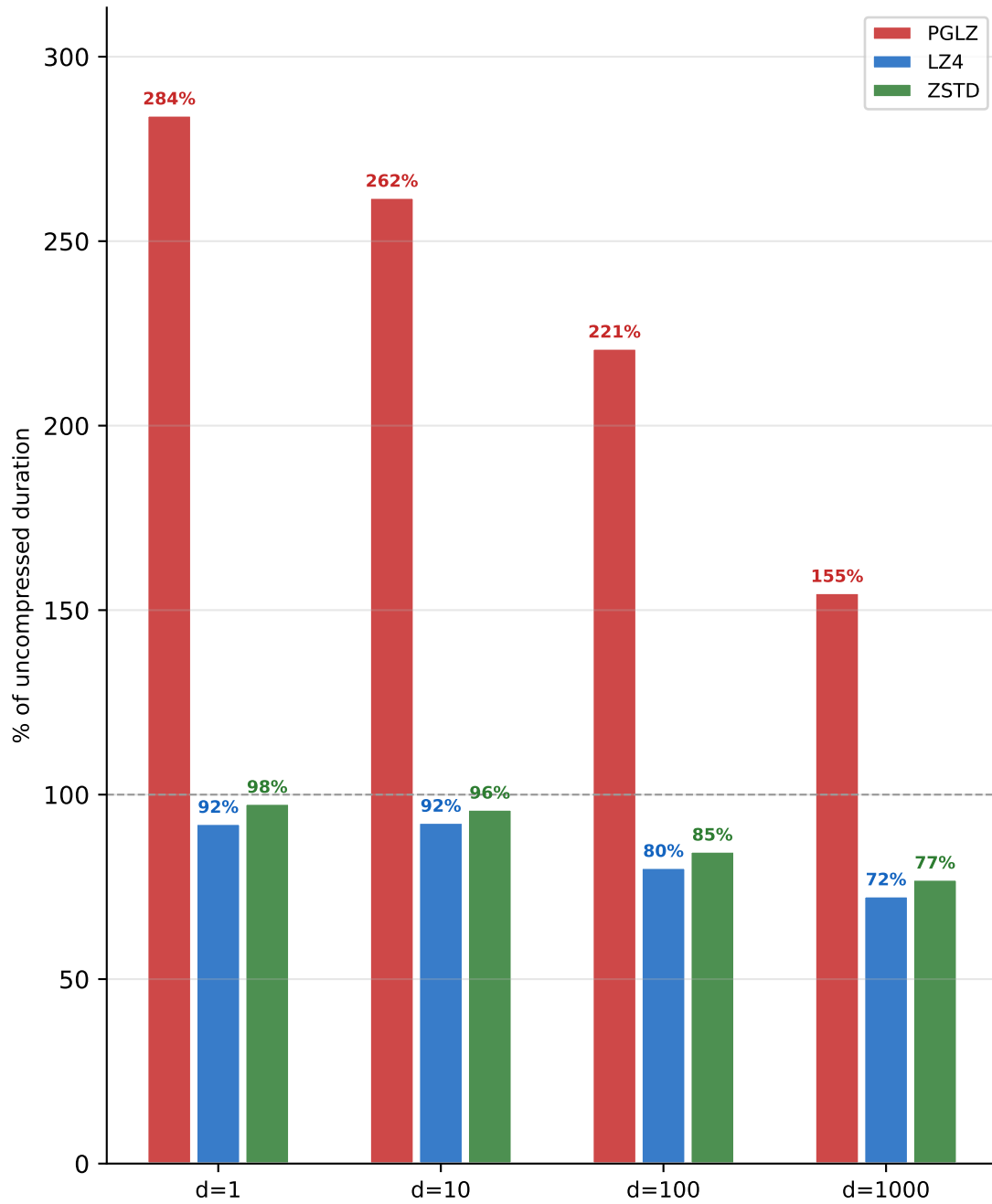
d	PGLZ			LZ4			ZSTD		
	w=1	w=4	w=8	w=1	w=4	w=8	w=1	w=4	w=8
1	284%	103%	79%	92%	81%	82%	98%	59%	53%
10	262%	99%	77%	92%	80%	85%	96%	57%	50%
100	221%	89%	67%	80%	70%	64%	85%	49%	44%
1000	155%	51%	42%	72%	39%	39%	77%	27%	29%

< 85% = significant speedup
 85-105% = within noise / neutral
 105-115% = mild regression
 > 115% = significant regression

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w=1 (single connection — CPU-bound)

w=8 (8 connections — I/O-bound)



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Temp file size per process

Absolute [MB/GB] and compression ratio (w=1)

d	NO	PGLZ	LZ4	ZSTD	ratio
1	11.3G	8.7G	8.6G	5.5G	49%
10	11.3G	8.5G	8.4G	5.4G	48%
100	11.3G	7.0G	6.9G	4.5G	40%
1000	11.3G	3.5G	3.7G	2.5G	22%

