prefetch_buffer_size = 8

mean	threads
447.22	16
337.3	32
821.37	64
890.31	128
800.08	256
747.74	512

parallel_thread = 128

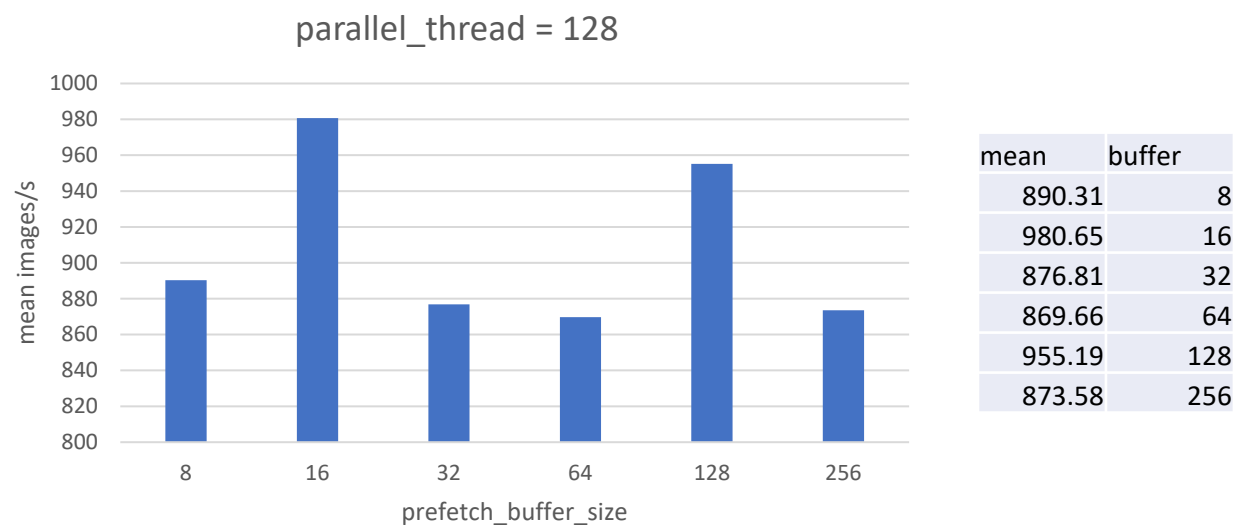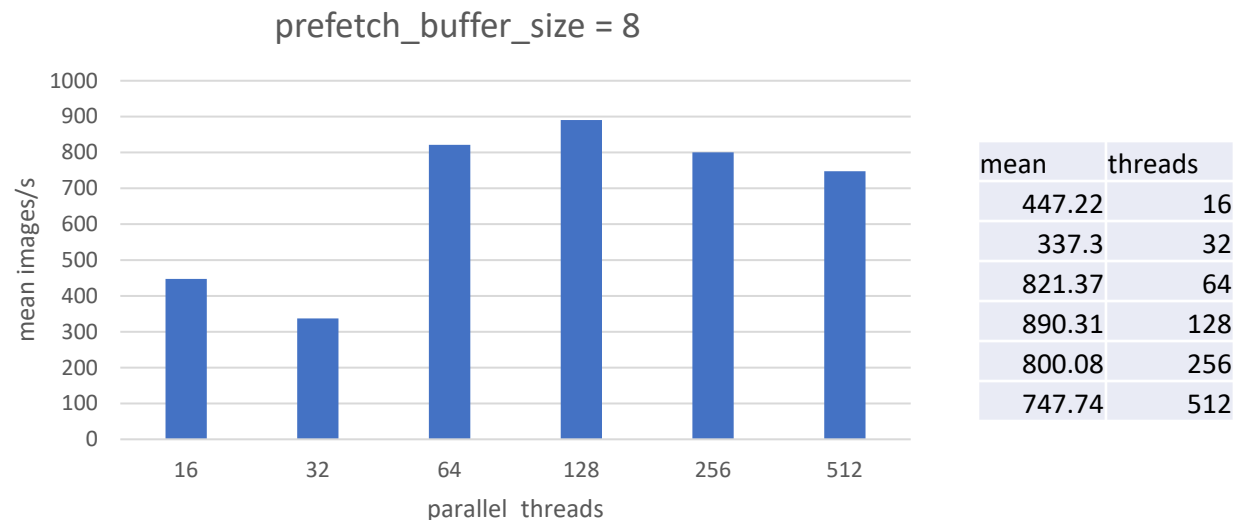| mean	buffer
890.31	8
980.65	16
876.81	32
869.66	64
955.19	128
873.58	256

Results of adjusting parallel_threads and prefetch_buffer_size for num_steps=50 (training steps). code from
https://github.com/argonne-lcf/ai-science-training-series/blob/main/05_dataPipelines/train_resnet34.py