Table 1: The five best runs according to accuracy.

	Run Number	GPU (in kWh)	Accuracy (in %)	Number of Parameters	Efficiency (acc/gpu)
1	*78*	*183.95712*	*95.954*	*gpu*	*0.52161*
2.	*52*	*121.27731*	*94.792*	*acc*	*0.78161*
3.	*47*	*182.02019*	*92.838*	*acc*	*0.51005*
4.	*14*	*119.07077*	*91.066*	*acc*	*0.7648*
5.	*93*	*144.01865*	*91.026*	*acc*	*0.63204*

Table 2: The five best runs according to GPU.

	Run Number	GPU (in kWh)	Accuracy (in %)	Number of Parameters	Efficiency (acc/gpu)
1	*35*	*111.87385*	*35.016*	*acc*	*0.313*
2.	*44*	*111.90538*	*19.14*	*acc*	*0.17104*
3.	*92*	*112.5375*	*1.04*	*acc*	*0.00924*
4.	*98*	*112.62692*	*1.883*	*acc*	*0.01672*
5.	*45*	*113.43481*	*1.16*	*acc*	*0.01023*

Table 3: The five best runs according to efficiency (acc/gpu).

	Run Number	GPU (in kWh)	Accuracy (in %)	Number of Parameters	Efficiency (acc/gpu)
1	*52*	*121.27731*	*94.792*	*acc*	*0.78161*
2.	*14*	*119.07077*	*91.066*	*acc*	*0.7648*
3.	*80*	*125.45288*	*86.005*	*acc*	*0.68556*
4.	*2*	*139.57481*	*88.515*	*acc*	*0.63418*
5.	*93*	*144.01865*	*91.026*	*acc*	*0.63204*

Table 4: Parameter values for the winning run in accuracy.

Parameter	Value
model	resnet50
preprocessing	standardization
augmentation	None
precision	float16
batch_size	64
partitioning	80-10-10
lr	0.0008
lr_schedule	exponential
optimizer_momentum	0.5
optimizer	RMSProp
internal	jit_compilation
seed	22
n_parameters	23792612

Table 5: Parameter values for the winning run in GPU.

Parameter	Value
model	resnet50
preprocessing	None
augmentation	cutmix
precision	global_policy_float16
batch_size	64
partitioning	90-5-5
lr	0.01
lr_schedule	exponential
optimizer_momentum	0.5
optimizer	Adam
internal	post_quantization
seed	22
n_parameters	23792612

Table 6: Parameter values for the winning run in efficiency.

Parameter	Value
model	resnet50
preprocessing	robust_scaling
augmentation	None
precision	global_policy_float16
batch_size	128
partitioning	80-10-10
lr	0.00015
lr_schedule	constant
optimizer_momentum	0.5
optimizer	RMSProp
internal	pre_quantization
seed	22
n_parameters	23792612