## FIRE DATASET

| Completion | 1042 | 640 | 480 | 320 |
|---|---|---|---|---|
| Reg50 GPU | 9.713 | 5.66 | 4.727 | 4.023 |
| Reg50 CPU | 273.823 | 99.053 | 57.358 | 27.325 |
| Tiny50 GPU | 4.82 | 4.428 | 4.157 | 3.197 |
| Tiny50 CPU | 46.544 | 19.181 | 11.384 | 8.797 |
| Reg100 GPU | 9.431 | 5.378 | 5.045 | 4.011 |
| Reg100 CPU | 273.904 | 170.079 | 98.311 | 48.909 |
| Tiny100 GPU | 3.887 | 3.641 | 3.33 | 3.073 |
| Tiny100 CPU | 46.538 | 18.274 | 10.811 | 8.994 |

| Accuracy | 1042 | 640 | 480 | 320 |
|---|---|---|---|---|
| Reg50 GPU | 85 | 93 | 95 | 97 |
| Reg50 CPU | 85 | 93 | 95 | 97 |
| Tiny50 GPU | 86 | 96 | 97 | 97 |
| Tiny50 CPU | 86 | 97 | 97 | 97 |
| Reg100 GPU | 90 | 94 | 96 | 97 |
| Reg100 CPU | 90 | 94 | 96 | 97 |
| Tiny100 GPU | 85 | 95 | 97 | 95 |
| Tiny100 CPU | 85 | 95 | 97 | 95 |

| Avg Inference | 1042 | 640 | 480 | 320 |
|---|---|---|---|---|
| Reg50 GPU | 20.62 | 10.23 | 7.188 | 6.739 |
| Reg50 CPU | 2731.11 | 985.93 | 569.68 | 269.86 |
| Tiny50 GPU | 6.182 | 5.781 | 5.684 | 4.578 |
| Tiny50 CPU | 458.34 | 187.11 | 109.88 | 83.553 |
| Reg100 GPU | 20.616 | 9.582 | 8.401 | 6.915 |
| Reg100 CPU | 2732.005 | 1695.44 | 978.47 | 484.87 |
| Tiny100 GPU | 4.9109 | 4.4601 | 4.215 | 4.192 |
| Tiny100 CPU | 458.38 | 178.12 | 104.084 | 57.652 |

## SMOKE DATASET

| Completion | 1042 | 640 | 480 | 320 |
|---|---|---|---|---|
| Reg50 GPU | 8.994 | 5.383 | 4.476 | 4.251 |
| Reg50 CPU | 278.04 | 102.28 | 58 | 27.99 |
| Tiny50 GPU | 3.733 | 3.476 | 3.282 | 2.899 |
| Tiny50 CPU | 45.56 | 19.19 | 11.33 | 4.72 |
| Reg100 GPU | 9.827 | 5.738 | 4.399 | 4.167 |
| Reg100 CPU | 277.87 | 102.68 | 57.72 | 26.89 |
| Tiny100 GPU | 4.266 | 3.759 | 3.348 | 2.749 |
| Tiny100 CPU | 43.81 | 17.55 | 10.95 | 49.97 |

| Accuracy | 1042 | 640 | 480 | 320 |
|---|---|---|---|---|
| Reg50 GPU | 49 | 78 | 83 | 83 |
| Reg50 CPU | 49 | 78 | 83 | 83 |
| Tiny50 GPU | 55 | 69 | 85 | 83 |
| Tiny50 CPU | 55 | 69 | 85 | 83 |
| Reg100 GPU | 54 | 79 | 83 | 85 |
| Reg100 CPU | 54 | 79 | 83 | 85 |
| Tiny100 GPU | 51 | 67 | 76 | 79 |
| Tiny100 CPU | 51 | 67 | 76 | 79 |

| Avg Inference | 1042 | 640 | 480 | 320 |
|---|---|---|---|---|
| Reg50 GPU | 19.72 | 9.18 | 8.12 | 7.561 |
| Reg50 CPU | 2772.71 | 1018.55 | 576.44 | 276.83 |
| Tiny50 GPU | 4.78 | 4.66 | 4.534 | 4.21 |
| Tiny50 CPU | 449.13 | 187.61 | 109.66 | 44.51 |
| Reg100 GPU | 20.15 | 9.37 | 8 | 7.98 |
| Reg100 CPU | 2772.16 | 1022.46 | 573.6 | 265.78 |
| Tiny100 GPU | 5.48 | 5.17 | 4.69 | 4.22 |
| Tiny100 CPU | 431.7 | 171.45 | 106.05 | 50.3 |

## NEUTRAL DATASET

| Completion | 1042 | 640 | 480 | 320 |
|---|---|---|---|---|
| Reg50 GPU | 3.951 | 2.616 | 2.488 | 1.864 |
| Reg50 CPU | 513.945 | 190.181 | 116.894 | 53.469 |
| Tiny50 GPU | 2.541 | 1.956 | 1.856 | 1.685 |
| Tiny50 CPU | 81.964 | 32.659 | 19.256 | 10.157 |
| Reg100 GPU | 3.693 | 2.86 | 2.532 | 2.358 |
| Reg100 CPU | 517.153 | 193.576 | 116.199 | 54.606 |
| Tiny100 GPU | 2.462 | 1.964 | 1.89 | 1.703 |
| Tiny100 CPU | 82.291 | 31.62 | 21.441 | 9.703 |

| Accuracy | 1042 | 640 | 480 | 320 |
|---|---|---|---|---|
| Reg50 GPU | 86 | 92 | 90 | 87 |
| Reg50 CPU | 86 | 92 | 90 | 87 |
| Tiny50 GPU | 78 | 88 | 83 | 91 |
| Tiny50 CPU | 78 | 88 | 83 | 91 |
| Reg100 GPU | 93 | 94 | 92 | 91 |
| Reg100 CPU | 93 | 94 | 92 | 91 |
| Tiny100 GPU | 80 | 84 | 86 | 85 |
| Tiny100 CPU | 80 | 84 | 86 | 85 |

| Avg Inference | 1042 | 640 | 480 | 320 |
|---|---|---|---|---|
| Reg50 GPU | 21.058 | 9.898 | 8.505 | 7.064 |
| Reg50 CPU | 5124.53 | 1891.14 | 1159.06 | 525.59 |
| Tiny50 GPU | 6.846 | 5.201 | 4.973 | 4.321 |
| Tiny50 CPU | 805.049 | 316.003 | 182.84 | 92.734 |
| Reg100 GPU | 21.104 | 10.044 | 7.637 | 7.093 |
| Reg100 CPU | 5157.227 | 1925.055 | 1152.577 | 537.514 |
| Tiny100 GPU | 7.333 | 6.542 | 5.468 | 4.863 |
| Tiny100 CPU | 807.96 | 305.126 | 204.446 | 88.406 |

completion is in seconds, inference is in milliseconds