



Figure 2: *Single crop validation accuracy of Inception and its batch-normalized variants, vs. the number of training steps.*

| Model | Steps to 72.2% | Max accuracy |
|----------------------|-------------------|--------------|
| Inception | $31.0 \cdot 10^6$ | 72.2% |
| <i>BN-Baseline</i> | $13.3 \cdot 10^6$ | 72.7% |
| <i>BN-x5</i> | $2.1 \cdot 10^6$ | 73.0% |
| <i>BN-x30</i> | $2.7 \cdot 10^6$ | 74.8% |
| <i>BN-x5-Sigmoid</i> | | 69.8% |

Figure 3: *For Inception and the batch-normalized variants, the number of training steps required to reach the maximum accuracy of Inception (72.2%), and the maximum accuracy achieved by the network.*