Training a Faster R-CNN Object Detector for the following object classes:

\* tooth

Training on single GPU.

Initializing input data normalization.

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| Epoch | Iteration | Time Elapsed | Mini-batch | Mini-batch | Mini-batch | RPN Mini-batch | RPN Mini-batch | Validation | Validation | Validation | Base Learning |

| | | (hh:mm:ss) | Loss | Accuracy | RMSE | Accuracy | RMSE | Loss | Accuracy | RMSE | Rate |

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| 1 | 1 | 00:00:03 | 1.5960 | 44.29% | 0.09 | 68.97% | 0.76 | 4.8316 | 15.90% | | 6.0000e-05 |

| 1 | 50 | 00:00:16 | 0.5219 | 89.58% | 0.15 | 100.00% | 0.52 | 4.3688 | 100.00% | | 6.0000e-05 |

| 2 | 100 | 00:00:31 | 0.8264 | 90.20% | 0.14 | 85.71% | 0.86 | 4.4892 | 99.99% | | 6.0000e-05 |

| 2 | 150 | 00:00:43 | 0.5389 | 92.00% | 0.17 | 100.00% | 0.69 | 4.4405 | 99.26% | | 6.0000e-05 |

| 3 | 200 | 00:00:59 | 0.6281 | 86.79% | 0.13 | 100.00% | 0.61 | 4.4995 | 100.00% | | 6.0000e-05 |

| 4 | 250 | 00:01:13 | 0.8804 | 71.15% | 0.13 | 100.00% | 0.72 | 4.3135 | 100.00% | | 6.0000e-05 |

| 4 | 300 | 00:01:26 | 0.3007 | 96.36% | 0.12 | 100.00% | 0.43 | 4.4905 | 98.74% | | 6.0000e-05 |

| 5 | 350 | 00:01:42 | 0.8624 | 92.31% | 0.14 | 100.00% | 1.04 | 4.3822 | 99.74% | | 6.0000e-05 |

| 5 | 400 | 00:01:54 | 0.8544 | 84.62% | 0.13 | 92.86% | 0.72 | 4.5100 | 87.35% | | 6.0000e-05 |

| 6 | 450 | 00:02:09 | 0.5894 | 80.49% | 0.19 | 100.00% | 0.51 | 4.3413 | 100.00% | | 6.0000e-05 |

| 7 | 500 | 00:02:24 | 0.7541 | 86.67% | 0.15 | 100.00% | 0.81 | 4.4553 | 96.68% | | 6.0000e-05 |

| 7 | 550 | 00:02:36 | 0.6372 | 87.76% | 0.14 | 100.00% | 0.74 | 4.1683 | 100.00% | | 6.0000e-05 |

| 8 | 600 | 00:02:51 | 0.7041 | 86.67% | 0.16 | 100.00% | 0.80 | 4.3973 | 99.99% | | 6.0000e-05 |

| 9 | 650 | 00:03:06 | 0.6739 | 73.68% | 0.12 | 100.00% | 0.65 | 4.3562 | 99.94% | | 6.0000e-05 |

| 9 | 700 | 00:03:19 | 0.3473 | 93.88% | 0.11 | 100.00% | 0.54 | 4.1505 | 99.97% | | 6.0000e-05 |

| 10 | 750 | 00:03:33 | 0.8430 | 86.11% | 0.15 | 96.77% | 1.07 | 4.1626 | 99.58% | | 6.0000e-05 |

| 10 | 800 | 00:03:45 | 0.5664 | 97.06% | 0.12 | 92.86% | 0.56 | 4.2827 | 97.06% | | 6.0000e-05 |

| 11 | 850 | 00:04:00 | 0.4567 | 83.87% | 0.14 | 100.00% | 0.33 | 4.2279 | 99.99% | | 6.0000e-05 |

| 12 | 900 | 00:04:15 | 0.5192 | 95.35% | 0.17 | 100.00% | 0.78 | 4.4168 | 97.15% | | 6.0000e-05 |

| 12 | 950 | 00:04:27 | 0.3113 | 89.13% | 0.12 | 100.00% | 0.35 | 4.1298 | 99.60% | | 6.0000e-05 |

| 13 | 1000 | 00:04:42 | 0.6219 | 74.42% | 0.13 | 100.00% | 0.51 | 4.2748 | 99.99% | | 6.0000e-05 |

| 14 | 1050 | 00:04:57 | 0.5102 | 80.00% | 0.12 | 100.00% | 0.47 | 4.1934 | 99.86% | | 6.0000e-05 |

| 14 | 1100 | 00:05:09 | 0.1950 | 96.08% | 0.10 | 100.00% | 0.41 | 3.9859 | 100.00% | | 6.0000e-05 |

| 15 | 1150 | 00:05:23 | 0.7532 | 87.88% | 0.13 | 91.18% | 0.83 | 4.1183 | 100.00% | | 6.0000e-05 |

| 15 | 1200 | 00:05:35 | 0.7517 | 93.94% | 0.11 | 92.86% | 0.76 | 4.1179 | 99.51% | | 6.0000e-05 |

| 16 | 1250 | 00:05:51 | 0.4958 | 77.78% | 0.15 | 100.00% | 0.36 | 4.0904 | 100.00% | | 6.0000e-05 |

| 17 | 1300 | 00:06:06 | 0.5728 | 83.72% | 0.13 | 100.00% | 0.73 | 4.2682 | 98.36% | | 6.0000e-05 |

| 17 | 1350 | 00:06:18 | 0.3586 | 89.36% | 0.11 | 100.00% | 0.39 | 4.0427 | 99.99% | | 6.0000e-05 |

| 18 | 1400 | 00:06:33 | 0.5495 | 81.63% | 0.13 | 100.00% | 0.48 | 4.1625 | 100.00% | | 6.0000e-05 |

| 19 | 1450 | 00:06:48 | 0.4501 | 87.50% | 0.12 | 100.00% | 0.38 | 4.0585 | 100.00% | | 6.0000e-05 |

| 19 | 1500 | 00:07:00 | 0.3257 | 97.87% | 0.13 | 100.00% | 0.59 | 4.0413 | 100.00% | | 6.0000e-05 |

| 20 | 1550 | 00:07:15 | 0.7300 | 72.22% | 0.16 | 100.00% | 0.86 | 4.1638 | 100.00% | | 6.0000e-05 |

| 20 | 1600 | 00:07:26 | 0.6911 | 96.88% | 0.13 | 92.86% | 0.59 | 4.1022 | 100.00% | | 6.0000e-05 |

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Training finished: Max epochs completed.

Detector training complete.