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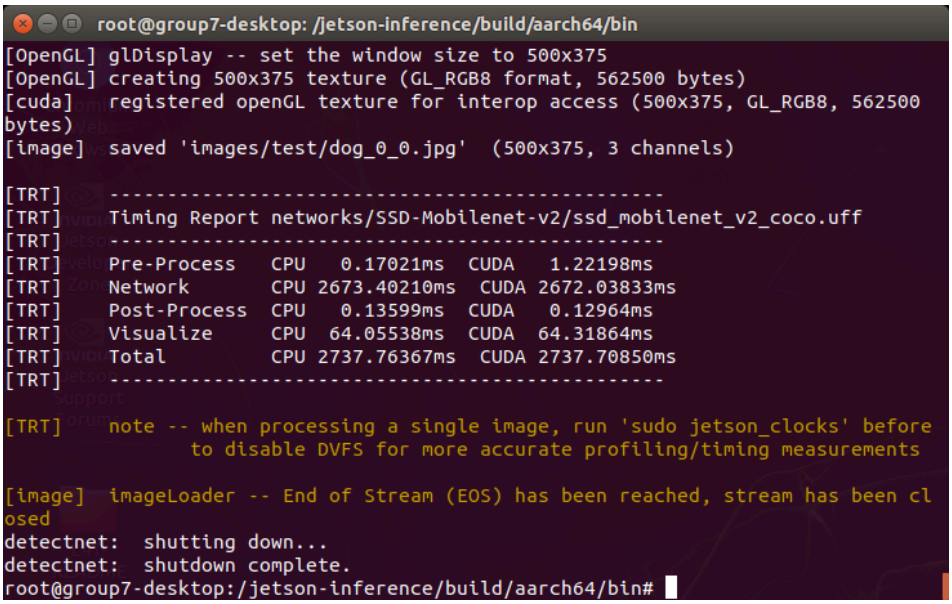
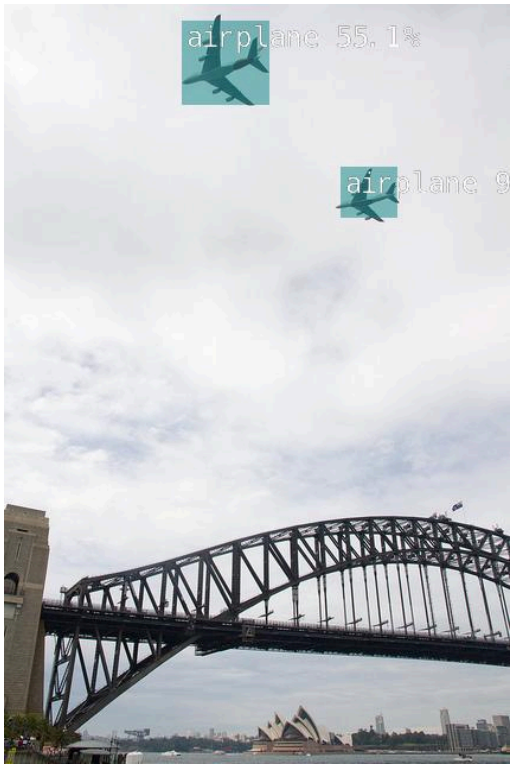
Object Recognition

1. Exactly how long did it take for detectnet to recognize your images? Explain why?
    a. The total runtime for all images was ranging between 217-7743ms depending on the image given. This is probably due to how easy and confident the detectnet software was in finding the objects at hand. I noticed that Network CPU times were a big factor in the runtimes and were working the most in detecting the objects.
2. What is the highest and lowest percent confidence for your selected class?
    a. Highest was 98.0% and lowest was 55.1%
3. Out of all the images you tested, which took the longest?
    a. The airplane image took the longest with 7742.48ms total CPU runtime.
4. Which component has a greater latency for image processing: CUDA or CPU? Please show the latency and explain why.
    a. 

    b. Using the dog time as an example, it seems that the CPU had greater latency than the CUDA overall. This can be because a CPU is generally optimized to do fewer general tasks that can't really handle the parallel processing CUDA can with its GPU processing.
5. Add screenshot of detectnet with 2 or more objects


airplane 55.1%
airplane 9


person 98.0%
dog 83.8%


bed 82.4%
chair 97.6%