



UCL Department of Computer Science
CS M038/GZ06: Mobile and Cloud Computing
Spring 2013
Kyle Jamieson and Brad Karp

One-pager: SampleRate (Bicket, 2005)

Due: Start of lecture, 16th January 2013

*Instructions: **in your own words**, answer the following questions as **succinctly** as possible (in 200–500 words total, but shorter answers within this range are encouraged). Quoting figures or text from the assigned reading or from any other source is specifically prohibited.*

In his Master's thesis, Bicket identifies a phenomenon he calls “throughput inversion.” Explain what throughput inversion is and why it happens.

He mentions that ARF gets stuck at 6 Mbit/s on links that exhibit throughput inversion. Referring to the specifics of the ARF algorithm, explain why this is.