



UCL Department of Computer Science
CS M038/GZ06: Mobile and Cloud Computing
2011–2012, Term 2
Kyle Jamieson and Brad Karp

One-pager: SampleRate (Bicket, 2005)

Due: Start of lecture, 3rd February 2011

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.