The larger the amount of packets generated, the higher the chances are these packets are sampled.
The deviation from the expected value increases when:
1) lesser packets are sampled and 2) bigger sampling ratios are employed
Duration

Flow duration is more sensitive for missing packets, specially in the flow outermost

Flow A in reality
Octets: 200
Packets: 10
Duration: 60 sec

Flow A sampled
Octets: 160 (-20%)
Packets: 8 (-20%)
Duration: 40 sec (-33%)