Wilfrid Laurier University
CP372 – Networks
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Assignment 2 Document
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1 Datagram Format

Each datagram in our implementation was a 126-byte packet. Byte 0 contains the packet sequence number. Byte 1 contains the number of bytes in the data portion, except when it is the end-of-transmission datagram, when the datagram has a value of 125 in byte 1. The remaining 124 bytes contain binary data from the sent file.

2 Timing Report

Protocol	File Size	Window Size	Reliability Number	Transfer Time (sec)
Stop-and-wait	876 bytes	n/a	0	0.00103
			10	0.00109
			100	0.00107
Stop-and-wait	1.9MB	n/a	0	0.680
			10	0.700
			100	0.663
Go-Back-N	876 bytes	10	0	0.00249
			10	0.00284
			100	0.00271
Go-Back-N	876 bytes	40	0	0.00252
			10	0.00263
			100	0.00256
Go-Back-N	876 bytes	80	0	0.00134
			10	0.00246
			100	0.00145
Go-Back-N	1.9 MB	10	0	1.56
			10	1.68
			100	1.59
Go-Back-N	1.9 MB	40	0	5.59
			10	5.35
			100	5.23
Go-Back-N	1.9 MB	80	0	10.2
			10	10.6
			100	10.2