

Pantheon Report

Generated at 2018-08-10 16:26:21 (UTC).

Data path: GCE Iowa Ethernet (*remote*) → GCE Sydney Ethernet (*local*).

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

NTP offsets were measured against `time.google.com` and have been applied to correct the timestamps in logs.

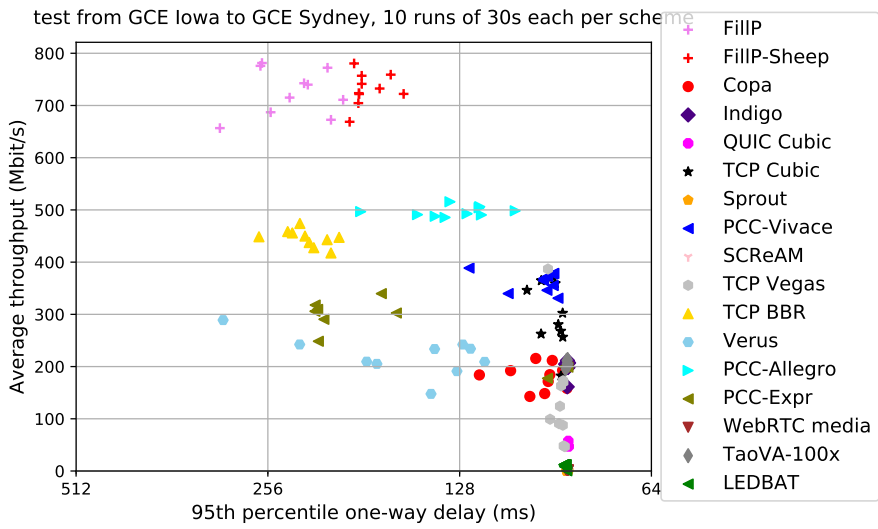
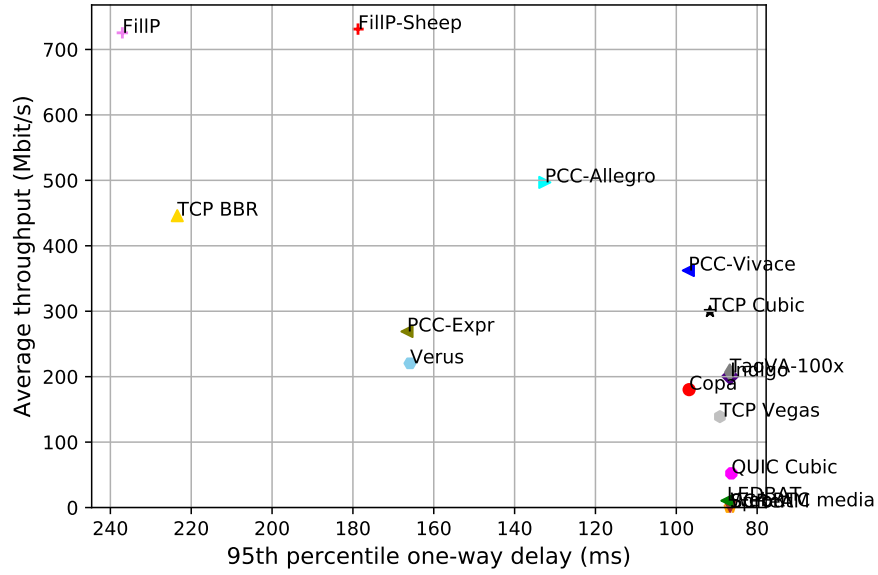
System info:

```
Linux 4.15.0-1014-gcp
net.core.default_qdisc = fq_codel
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

```
branch: master @ 7719b900495aa706f8452ab7d4a94dd562e9296e
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdfef58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from GCE Iowa to GCE Sydney, 10 runs of 30s each per scheme
(mean of all runs by scheme)



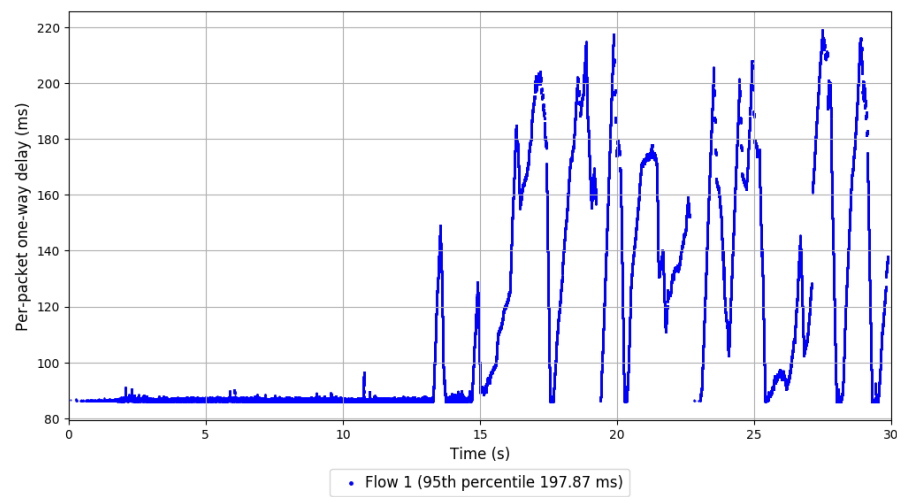
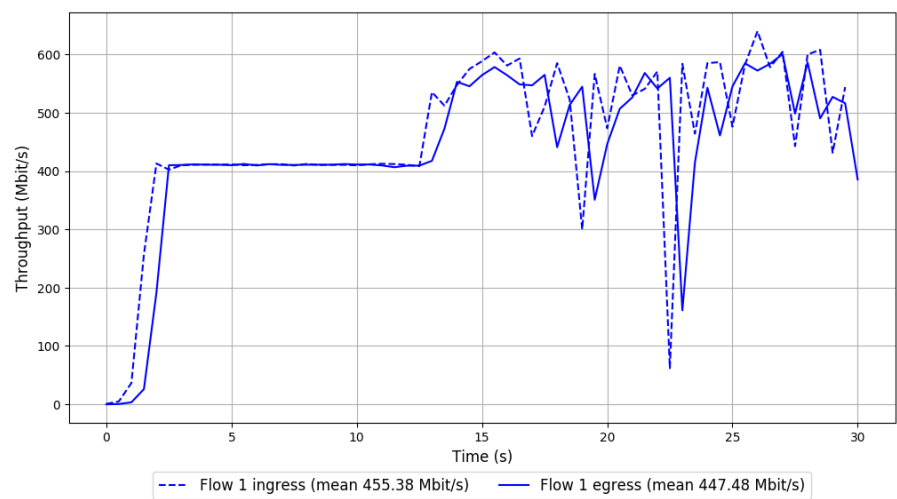
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	446.04	223.45	3.90
Copa	10	180.17	96.83	0.53
TCP Cubic	10	299.40	91.67	0.62
FillP	10	725.42	237.04	6.42
FillP-Sheep	10	731.12	178.74	4.24
Indigo	10	200.55	86.68	0.64
LEDBAT	10	10.54	87.48	1.12
PCC-Allegro	10	496.87	132.52	1.48
PCC-Expr	10	269.02	166.63	1.76
QUIC Cubic	2	52.26	86.37	0.96
SCReAM	10	0.22	86.55	0.54
Sprout	10	0.29	86.74	0.33
TaoVA-100x	10	206.60	86.78	0.62
TCP Vegas	10	138.94	89.21	0.60
Verus	10	220.38	165.88	3.08
PCC-Vivace	10	362.22	97.03	0.65
WebRTC media	10	1.90	86.69	0.66

Run 1: Statistics of TCP BBR

Start at: 2018-08-10 10:26:01
End at: 2018-08-10 10:26:31
Local clock offset: -0.246 ms
Remote clock offset: -0.165 ms

Below is generated by plot.py at 2018-08-10 14:33:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 447.48 Mbit/s
95th percentile per-packet one-way delay: 197.871 ms
Loss rate: 2.31%
-- Flow 1:
Average throughput: 447.48 Mbit/s
95th percentile per-packet one-way delay: 197.871 ms
Loss rate: 2.31%

Run 1: Report of TCP BBR — Data Link

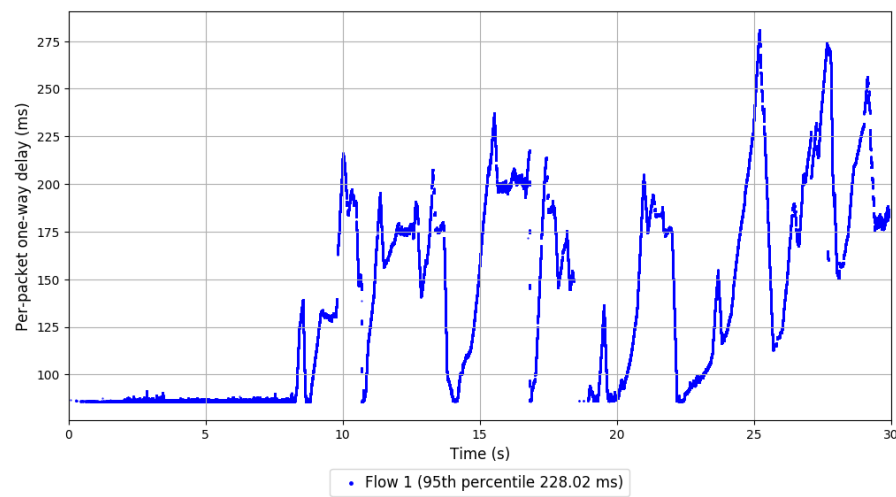
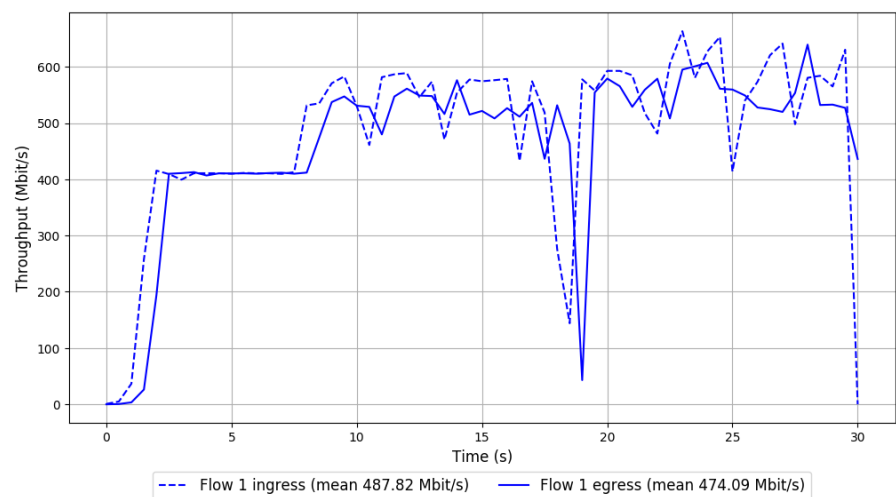


Run 2: Statistics of TCP BBR

Start at: 2018-08-10 10:49:07
End at: 2018-08-10 10:49:37
Local clock offset: -0.219 ms
Remote clock offset: -0.153 ms

Below is generated by plot.py at 2018-08-10 14:34:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 474.09 Mbit/s
95th percentile per-packet one-way delay: 228.020 ms
Loss rate: 3.38%
-- Flow 1:
Average throughput: 474.09 Mbit/s
95th percentile per-packet one-way delay: 228.020 ms
Loss rate: 3.38%

Run 2: Report of TCP BBR — Data Link

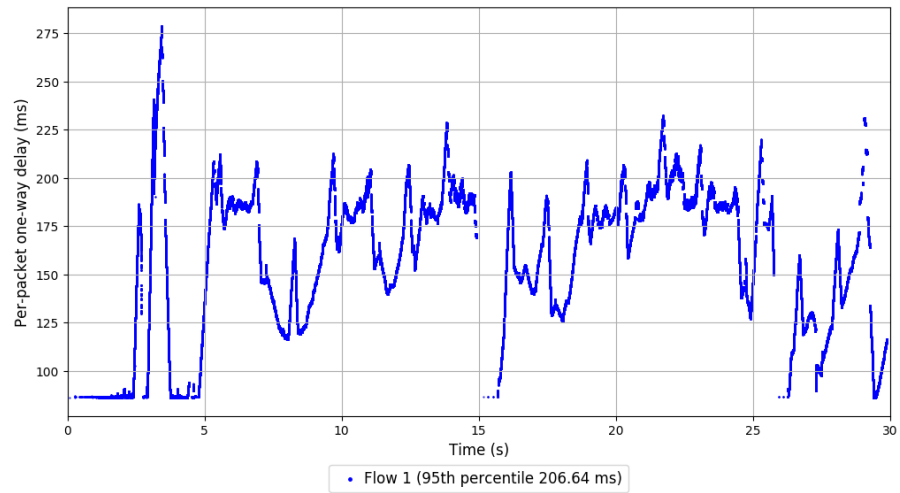
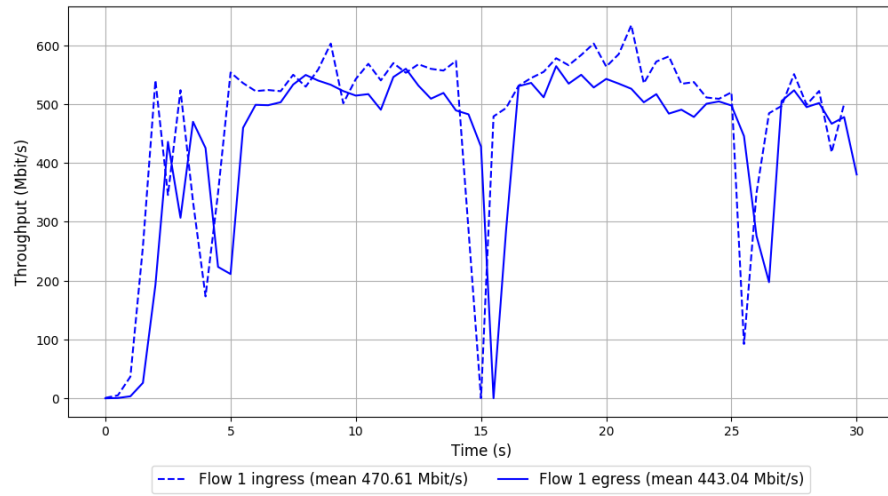


Run 3: Statistics of TCP BBR

Start at: 2018-08-10 11:12:11
End at: 2018-08-10 11:12:41
Local clock offset: 0.038 ms
Remote clock offset: -0.144 ms

Below is generated by plot.py at 2018-08-10 14:34:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 443.04 Mbit/s
95th percentile per-packet one-way delay: 206.638 ms
Loss rate: 6.40%
-- Flow 1:
Average throughput: 443.04 Mbit/s
95th percentile per-packet one-way delay: 206.638 ms
Loss rate: 6.40%

Run 3: Report of TCP BBR — Data Link

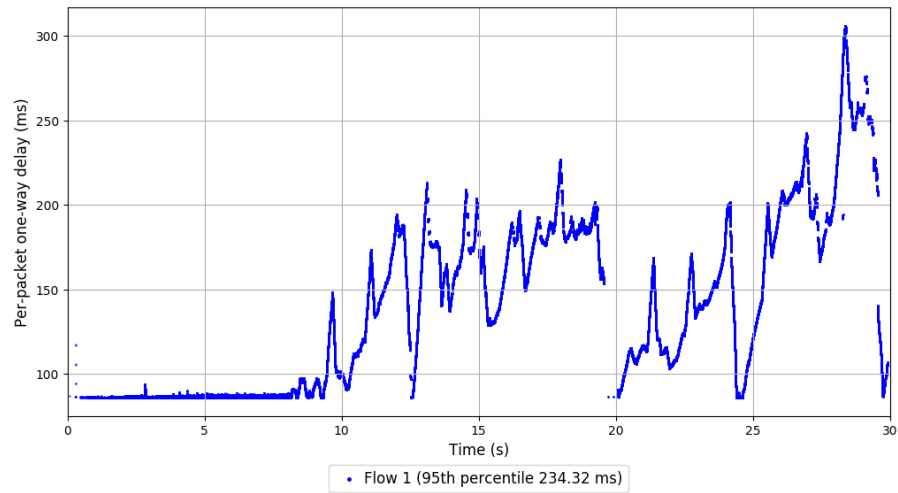
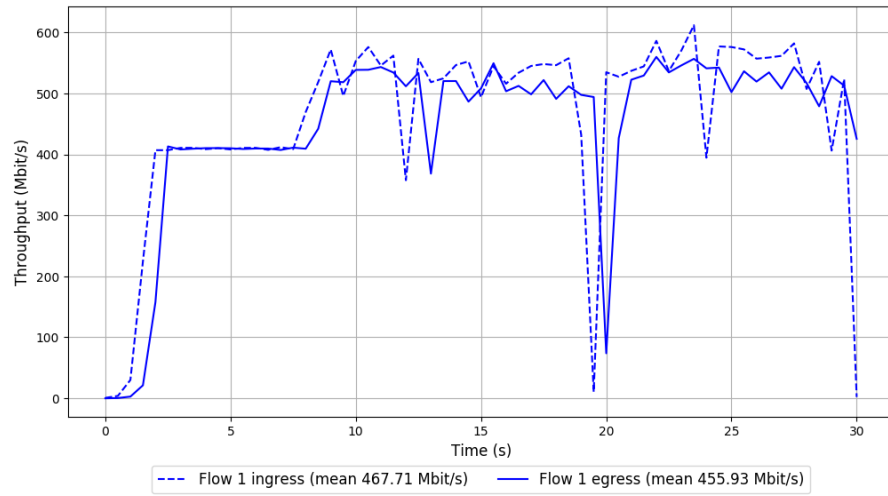


Run 4: Statistics of TCP BBR

Start at: 2018-08-10 11:35:10
End at: 2018-08-10 11:35:40
Local clock offset: 0.04 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-08-10 14:34:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 455.93 Mbit/s
95th percentile per-packet one-way delay: 234.323 ms
Loss rate: 3.08%
-- Flow 1:
Average throughput: 455.93 Mbit/s
95th percentile per-packet one-way delay: 234.323 ms
Loss rate: 3.08%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-08-10 11:58:25

End at: 2018-08-10 11:58:55

Local clock offset: -0.015 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-08-10 14:34:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 449.94 Mbit/s

95th percentile per-packet one-way delay: 223.849 ms

Loss rate: 6.08%

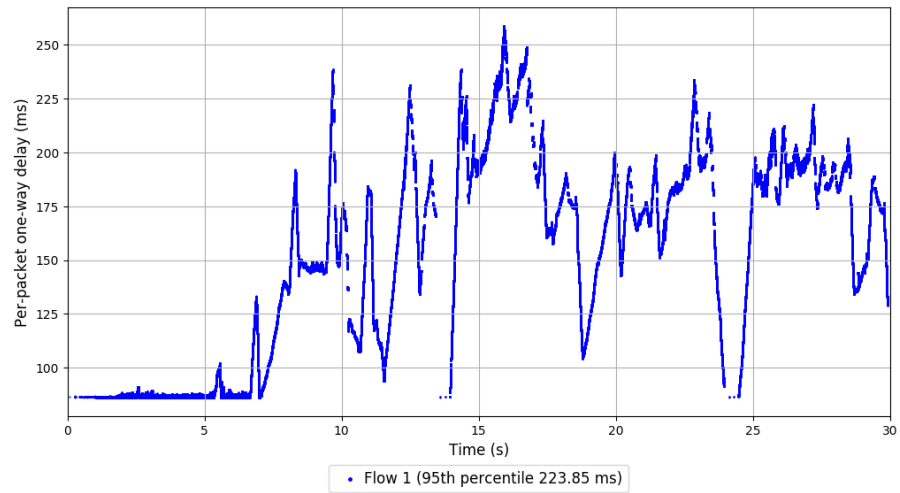
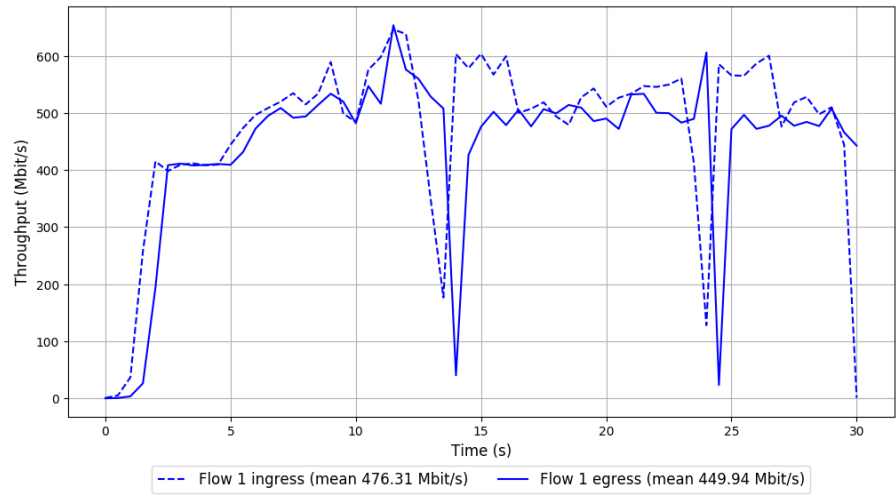
-- Flow 1:

Average throughput: 449.94 Mbit/s

95th percentile per-packet one-way delay: 223.849 ms

Loss rate: 6.08%

Run 5: Report of TCP BBR — Data Link

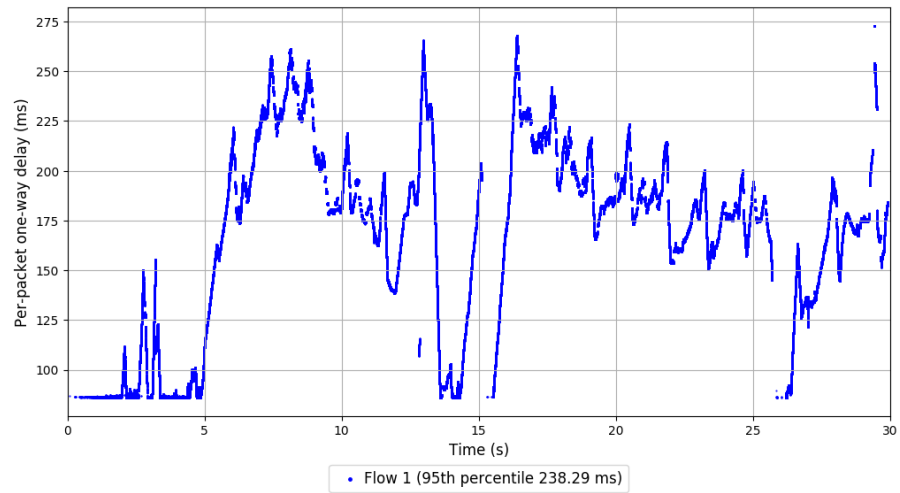
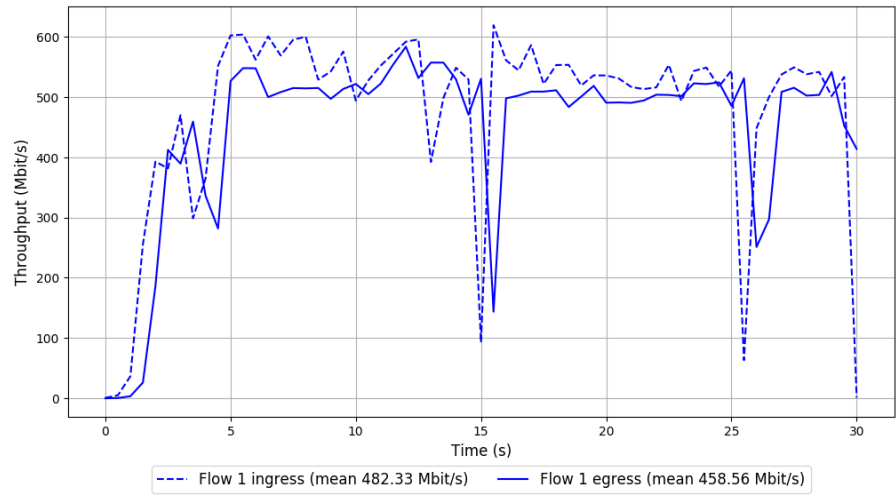


Run 6: Statistics of TCP BBR

Start at: 2018-08-10 12:21:26
End at: 2018-08-10 12:21:56
Local clock offset: -0.062 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-08-10 14:34:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 458.56 Mbit/s
95th percentile per-packet one-way delay: 238.288 ms
Loss rate: 5.48%
-- Flow 1:
Average throughput: 458.56 Mbit/s
95th percentile per-packet one-way delay: 238.288 ms
Loss rate: 5.48%

Run 6: Report of TCP BBR — Data Link

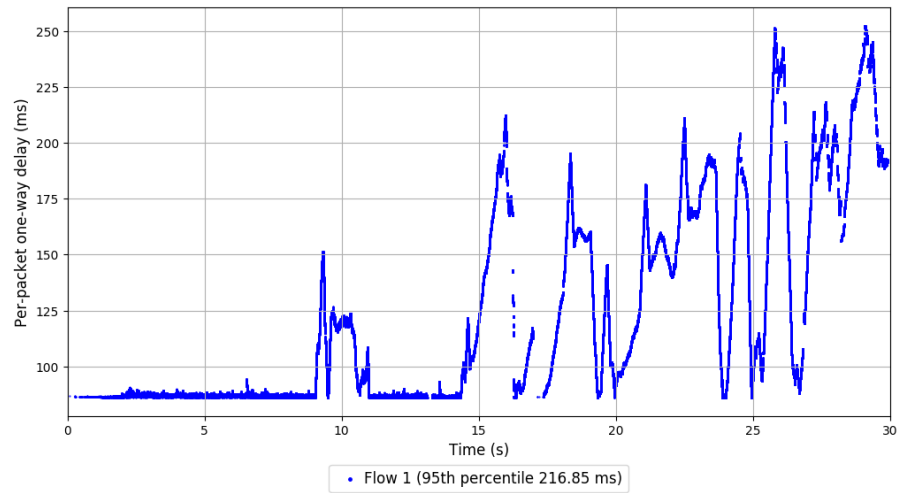
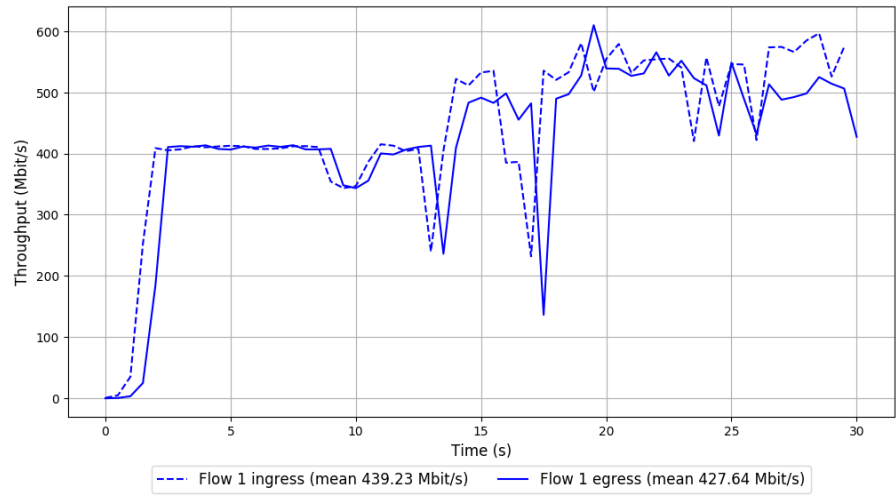


Run 7: Statistics of TCP BBR

Start at: 2018-08-10 12:44:41
End at: 2018-08-10 12:45:11
Local clock offset: -0.092 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2018-08-10 14:34:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 427.64 Mbit/s
95th percentile per-packet one-way delay: 216.855 ms
Loss rate: 3.20%
-- Flow 1:
Average throughput: 427.64 Mbit/s
95th percentile per-packet one-way delay: 216.855 ms
Loss rate: 3.20%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-08-10 13:08:08

End at: 2018-08-10 13:08:38

Local clock offset: -0.028 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2018-08-10 14:34:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 437.54 Mbit/s

95th percentile per-packet one-way delay: 220.461 ms

Loss rate: 2.98%

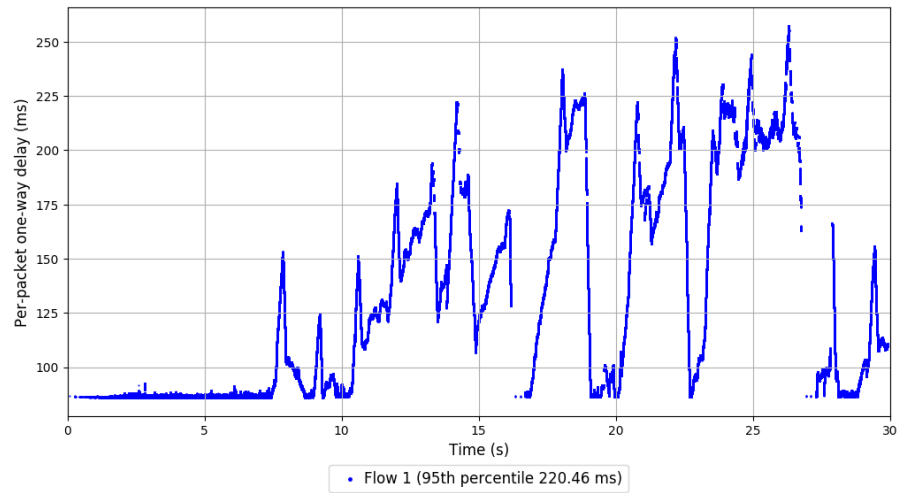
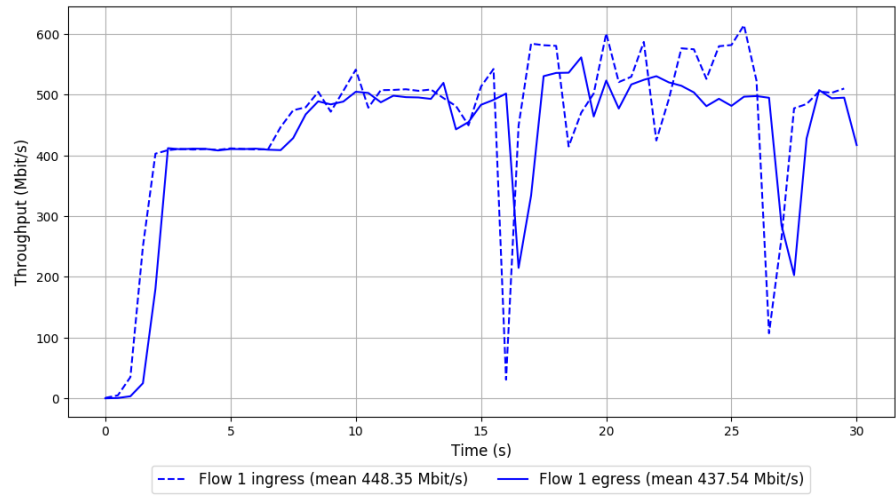
-- Flow 1:

Average throughput: 437.54 Mbit/s

95th percentile per-packet one-way delay: 220.461 ms

Loss rate: 2.98%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-08-10 13:31:09

End at: 2018-08-10 13:31:39

Local clock offset: -0.2 ms

Remote clock offset: 0.071 ms

Below is generated by plot.py at 2018-08-10 14:41:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 448.59 Mbit/s

95th percentile per-packet one-way delay: 264.370 ms

Loss rate: 4.16%

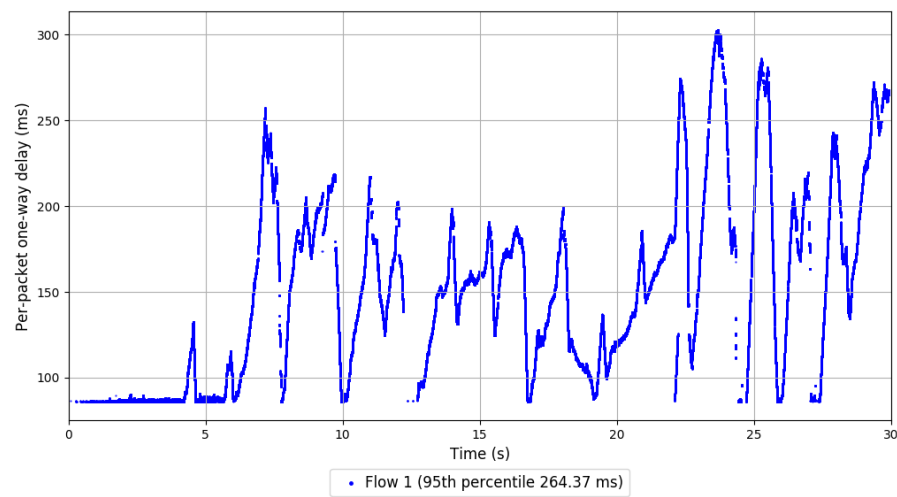
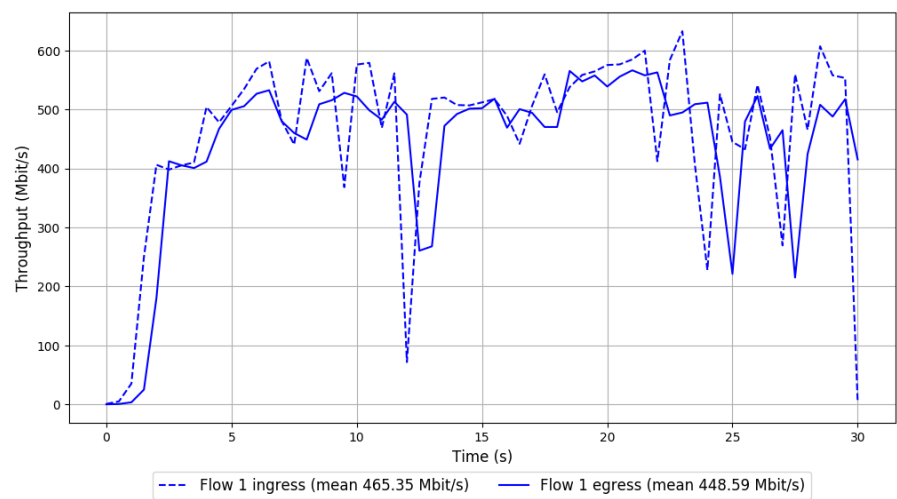
-- Flow 1:

Average throughput: 448.59 Mbit/s

95th percentile per-packet one-way delay: 264.370 ms

Loss rate: 4.16%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-08-10 13:54:18

End at: 2018-08-10 13:54:48

Local clock offset: 0.2 ms

Remote clock offset: 0.128 ms

Below is generated by plot.py at 2018-08-10 14:41:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 417.56 Mbit/s

95th percentile per-packet one-way delay: 203.804 ms

Loss rate: 1.91%

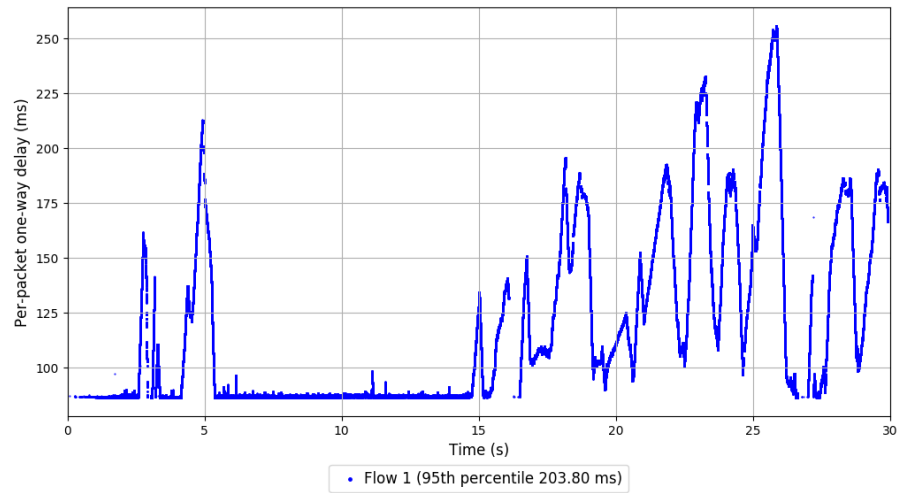
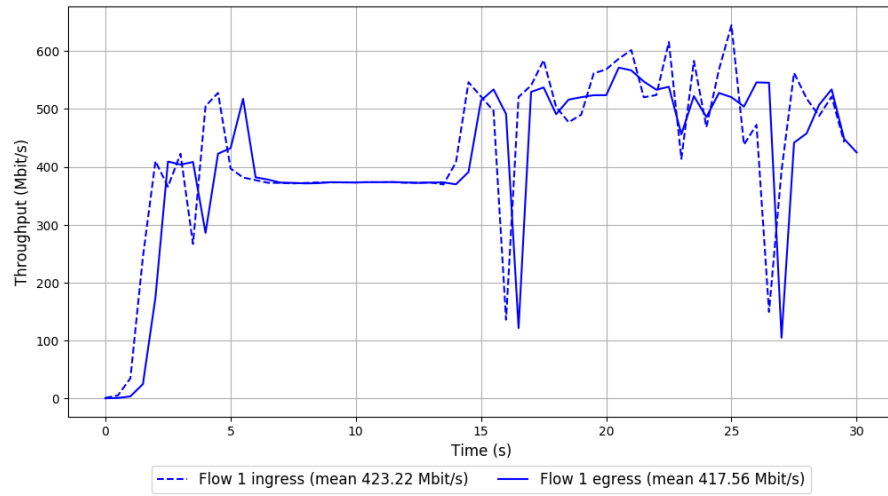
-- Flow 1:

Average throughput: 417.56 Mbit/s

95th percentile per-packet one-way delay: 203.804 ms

Loss rate: 1.91%

Run 10: Report of TCP BBR — Data Link

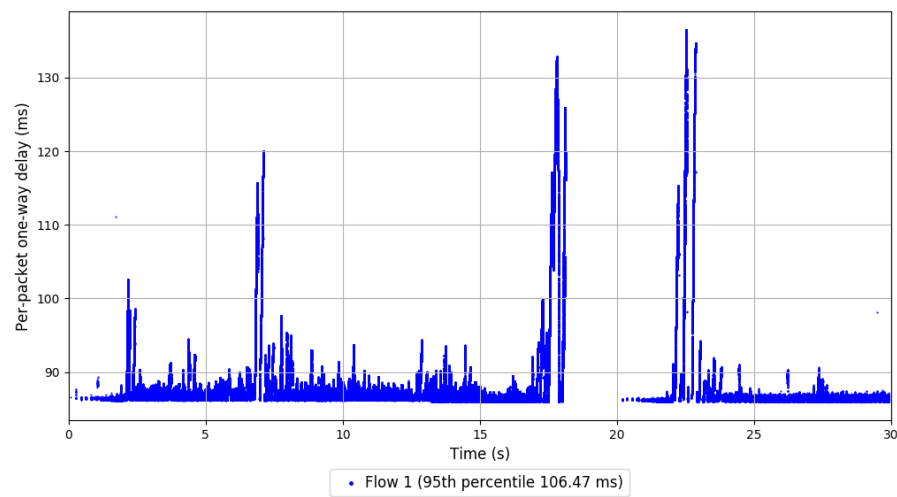
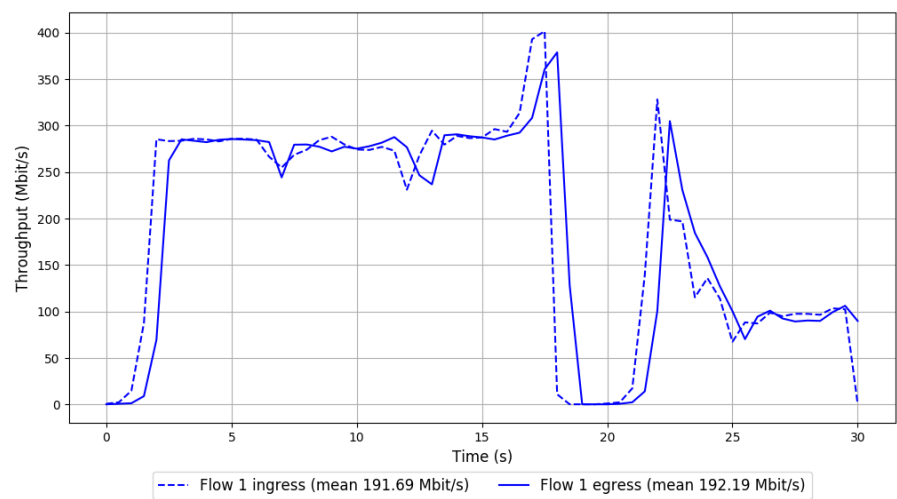


Run 1: Statistics of Copa

Start at: 2018-08-10 10:31:45
End at: 2018-08-10 10:32:15
Local clock offset: -0.02 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-08-10 14:41:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 192.19 Mbit/s
95th percentile per-packet one-way delay: 106.472 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 192.19 Mbit/s
95th percentile per-packet one-way delay: 106.472 ms
Loss rate: 0.32%

Run 1: Report of Copa — Data Link

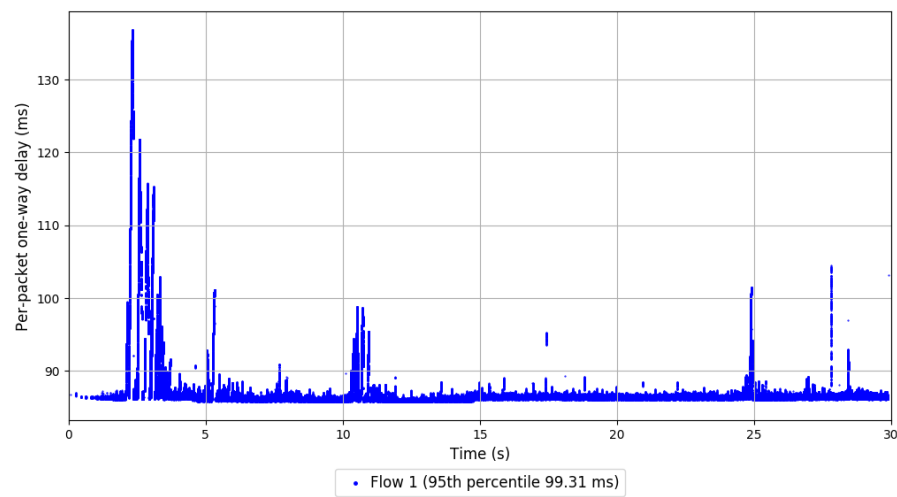
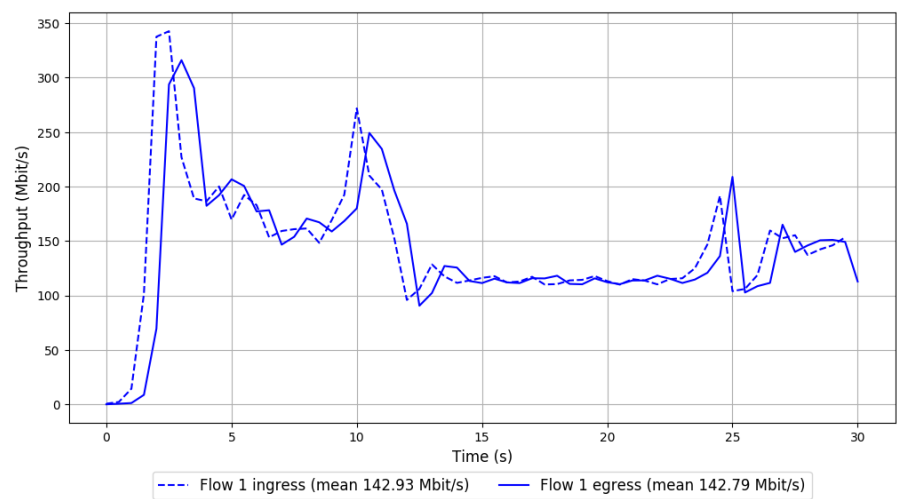


Run 2: Statistics of Copa

Start at: 2018-08-10 10:54:53
End at: 2018-08-10 10:55:23
Local clock offset: -0.288 ms
Remote clock offset: -0.184 ms

Below is generated by plot.py at 2018-08-10 14:41:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 142.79 Mbit/s
95th percentile per-packet one-way delay: 99.311 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 142.79 Mbit/s
95th percentile per-packet one-way delay: 99.311 ms
Loss rate: 0.62%

Run 2: Report of Copa — Data Link

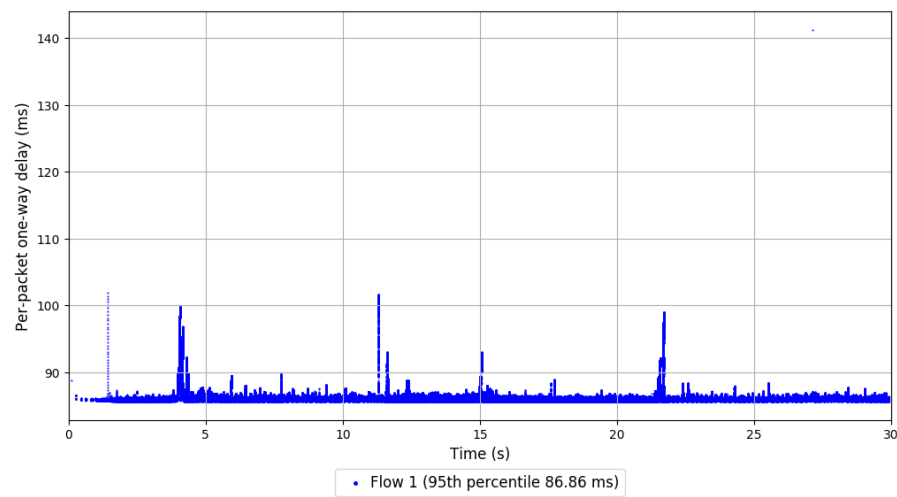
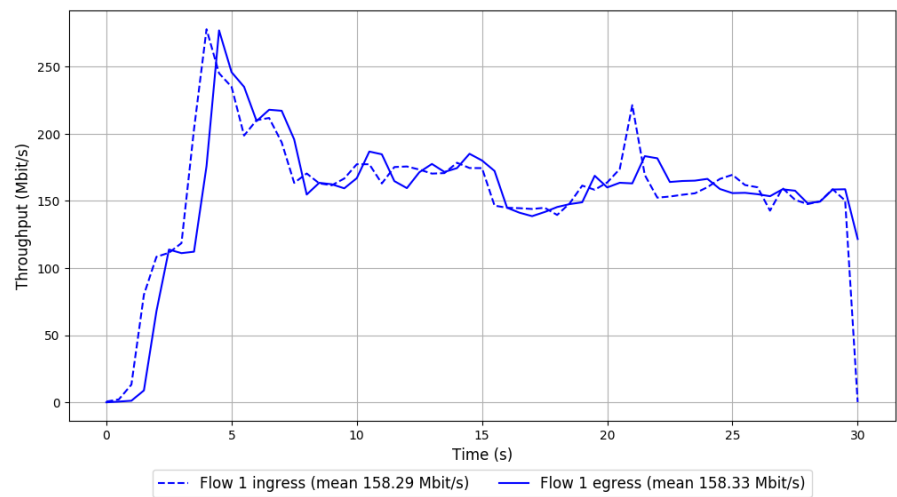


Run 3: Statistics of Copa

Start at: 2018-08-10 11:17:46
End at: 2018-08-10 11:18:16
Local clock offset: -0.252 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2018-08-10 14:41:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 158.33 Mbit/s
95th percentile per-packet one-way delay: 86.865 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 158.33 Mbit/s
95th percentile per-packet one-way delay: 86.865 ms
Loss rate: 0.56%

Run 3: Report of Copa — Data Link

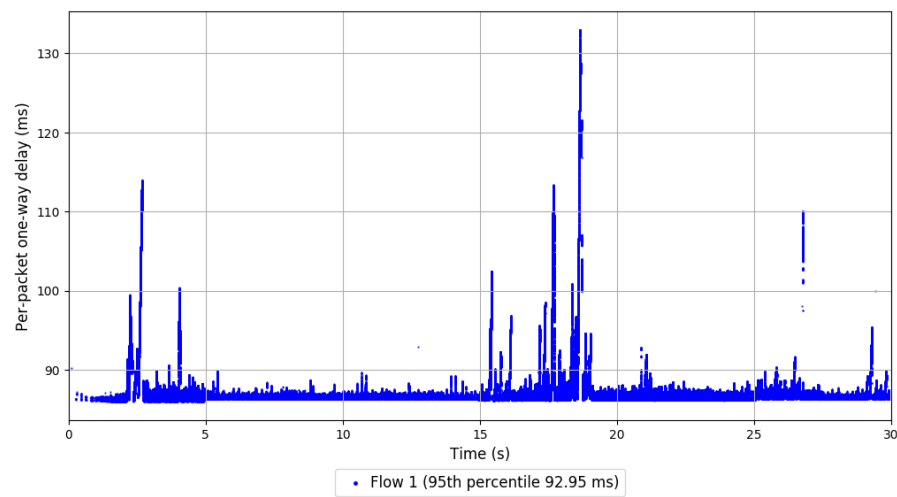
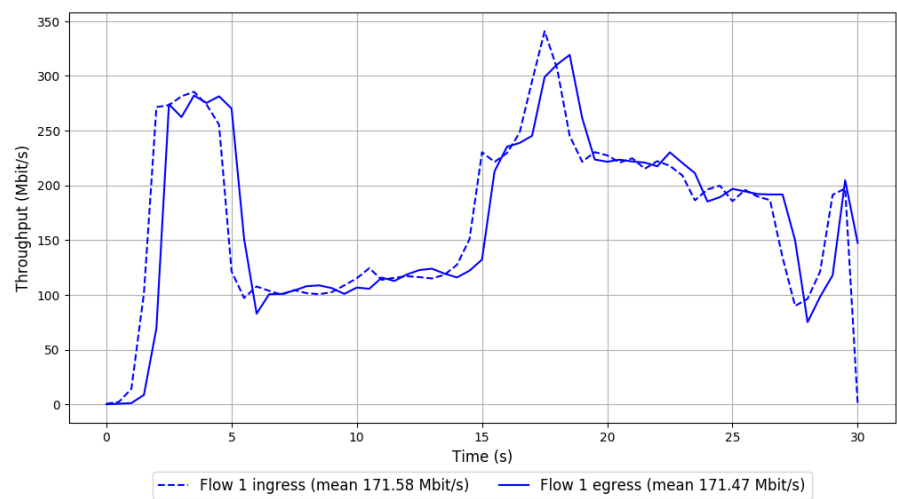


Run 4: Statistics of Copa

Start at: 2018-08-10 11:40:53
End at: 2018-08-10 11:41:23
Local clock offset: 0.152 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-08-10 14:41:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 171.47 Mbit/s
95th percentile per-packet one-way delay: 92.947 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 171.47 Mbit/s
95th percentile per-packet one-way delay: 92.947 ms
Loss rate: 0.65%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-08-10 12:04:00

End at: 2018-08-10 12:04:31

Local clock offset: -0.051 ms

Remote clock offset: 0.044 ms

Below is generated by plot.py at 2018-08-10 14:41:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.73 Mbit/s

95th percentile per-packet one-way delay: 91.576 ms

Loss rate: 0.66%

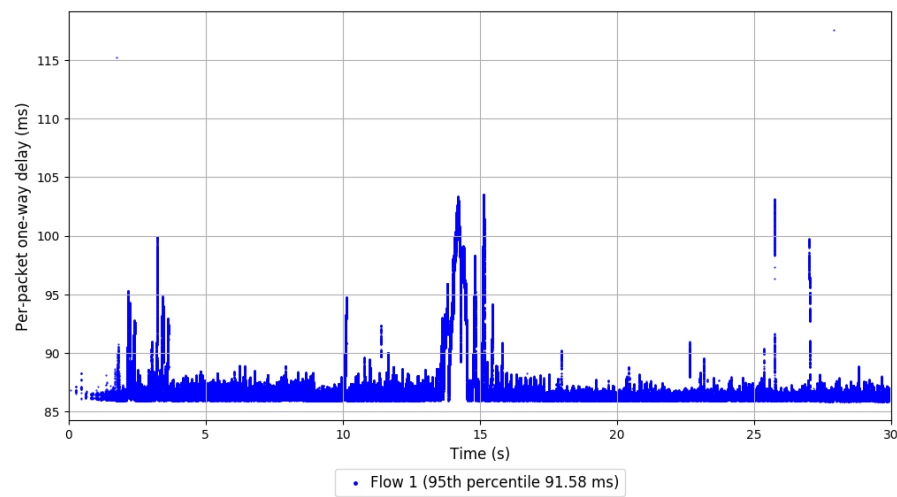
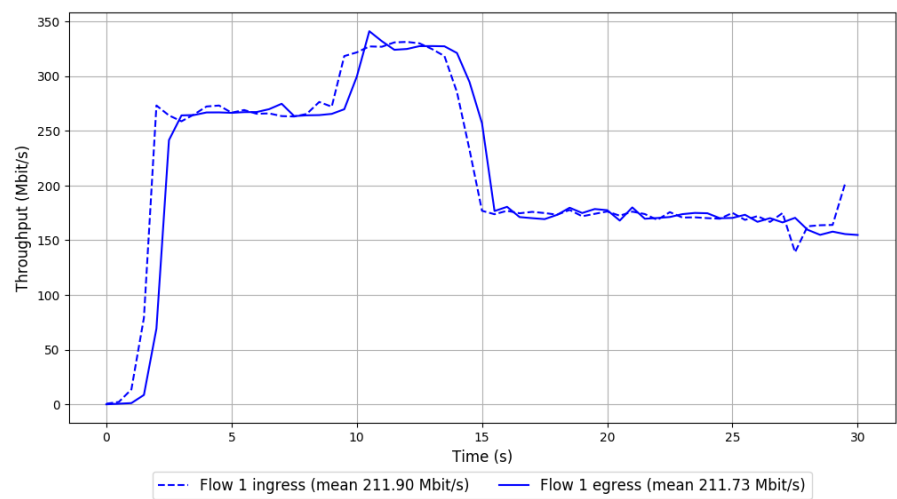
-- Flow 1:

Average throughput: 211.73 Mbit/s

95th percentile per-packet one-way delay: 91.576 ms

Loss rate: 0.66%

Run 5: Report of Copa — Data Link

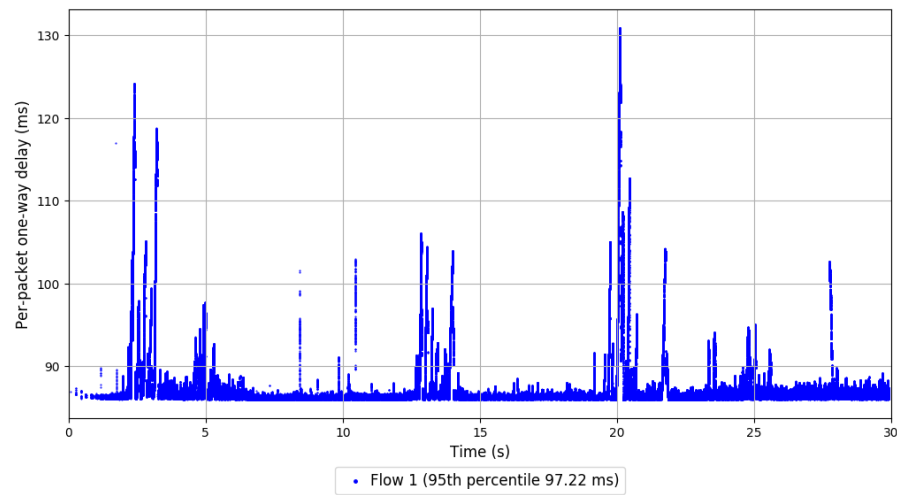
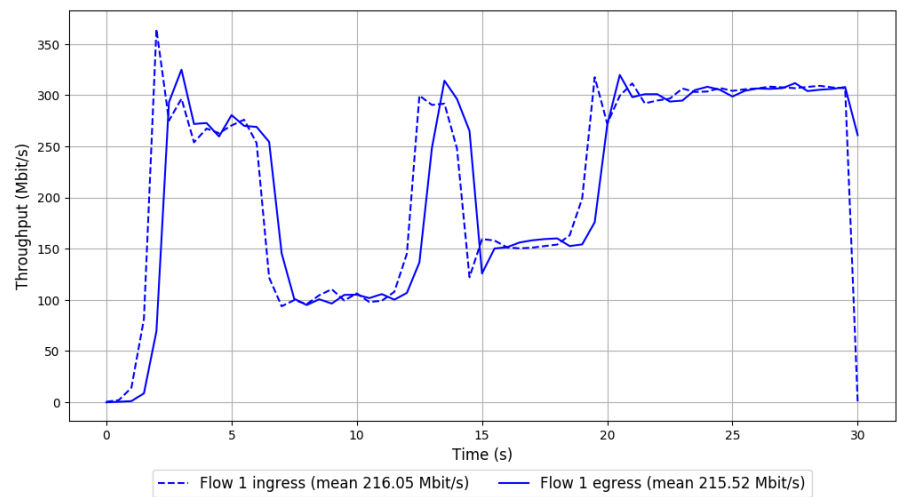


Run 6: Statistics of Copa

Start at: 2018-08-10 12:27:14
End at: 2018-08-10 12:27:44
Local clock offset: -0.037 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-08-10 14:41:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 215.52 Mbit/s
95th percentile per-packet one-way delay: 97.216 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 215.52 Mbit/s
95th percentile per-packet one-way delay: 97.216 ms
Loss rate: 0.82%

Run 6: Report of Copa — Data Link

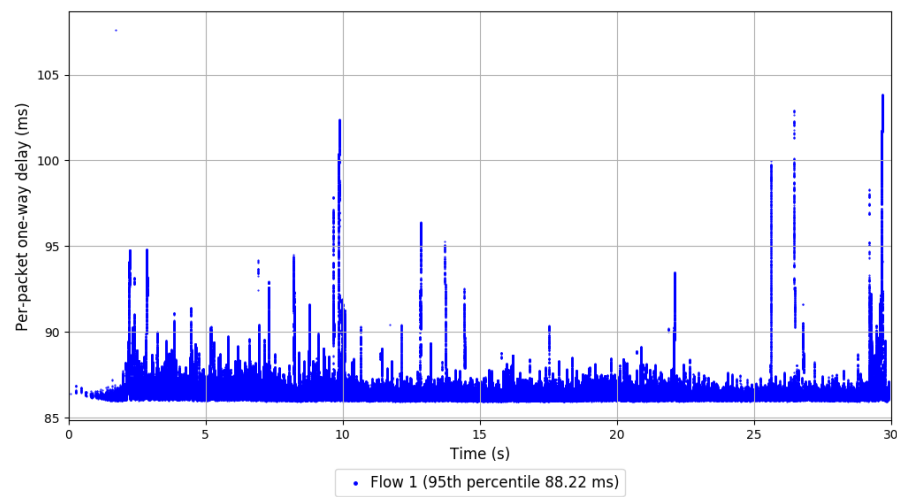
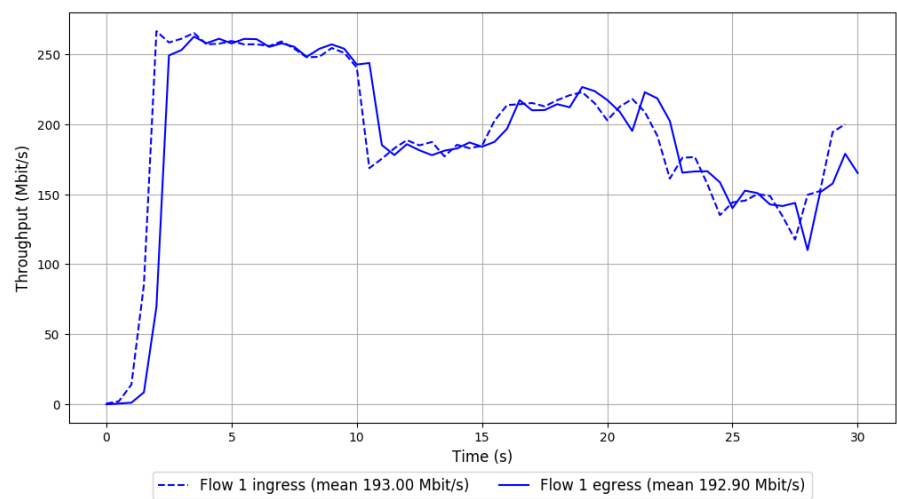


Run 7: Statistics of Copa

Start at: 2018-08-10 12:50:21
End at: 2018-08-10 12:50:51
Local clock offset: -0.147 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-08-10 14:45:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 192.90 Mbit/s
95th percentile per-packet one-way delay: 88.217 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 192.90 Mbit/s
95th percentile per-packet one-way delay: 88.217 ms
Loss rate: 0.63%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-08-10 13:13:49

End at: 2018-08-10 13:14:19

Local clock offset: -0.169 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at 2018-08-10 14:45:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 184.49 Mbit/s

95th percentile per-packet one-way delay: 92.390 ms

Loss rate: 0.40%

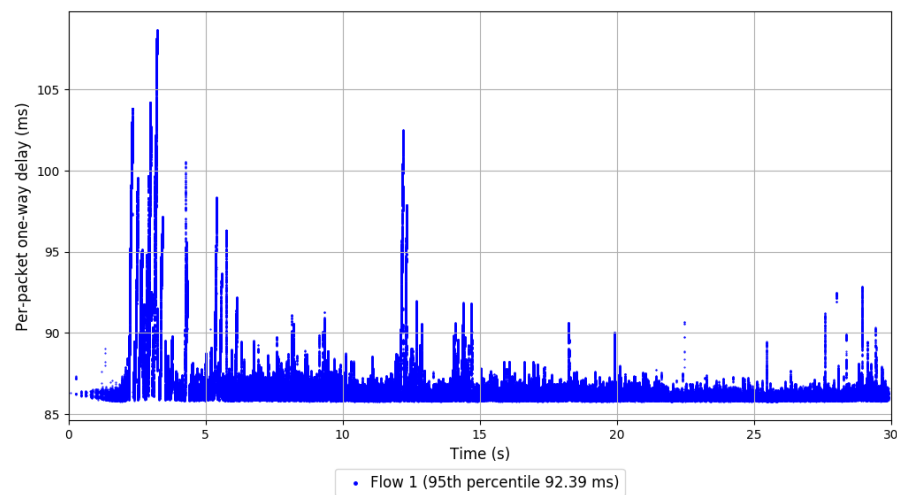
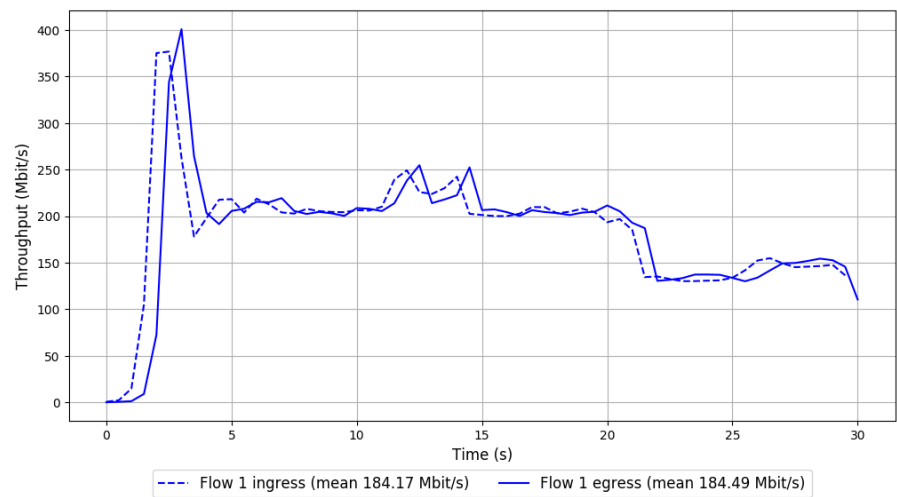
-- Flow 1:

Average throughput: 184.49 Mbit/s

95th percentile per-packet one-way delay: 92.390 ms

Loss rate: 0.40%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-08-10 13:36:40

End at: 2018-08-10 13:37:10

Local clock offset: -0.059 ms

Remote clock offset: 0.066 ms

Below is generated by plot.py at 2018-08-10 14:45:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 183.99 Mbit/s

95th percentile per-packet one-way delay: 119.185 ms

Loss rate: 0.19%

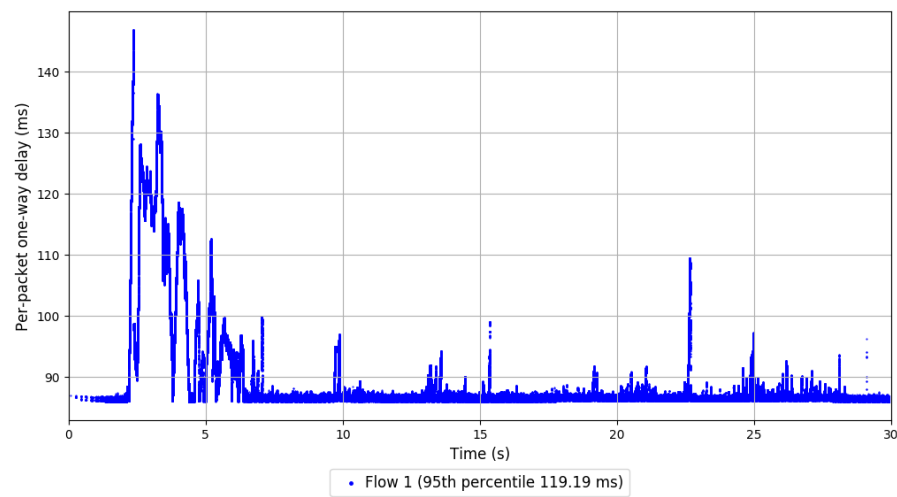
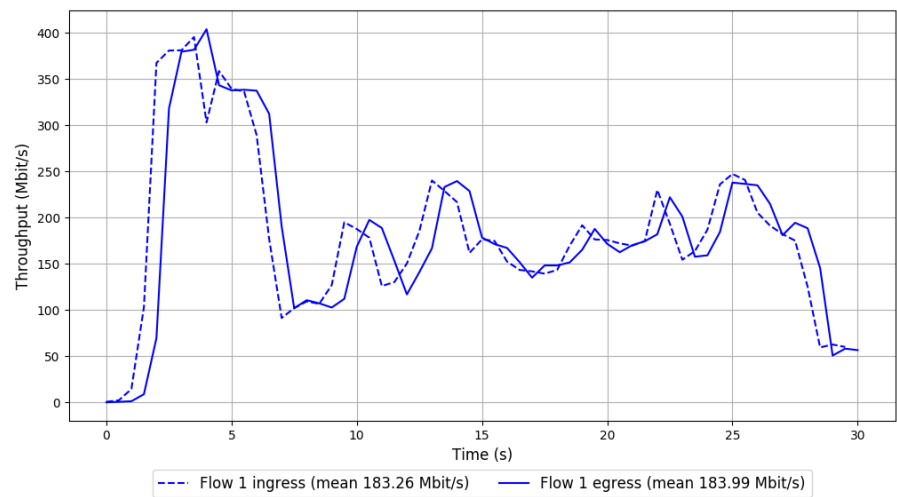
-- Flow 1:

Average throughput: 183.99 Mbit/s

95th percentile per-packet one-way delay: 119.185 ms

Loss rate: 0.19%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-08-10 13:59:53

End at: 2018-08-10 14:00:23

Local clock offset: 0.077 ms

Remote clock offset: 0.149 ms

Below is generated by plot.py at 2018-08-10 14:45:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 148.32 Mbit/s

95th percentile per-packet one-way delay: 94.122 ms

Loss rate: 0.44%

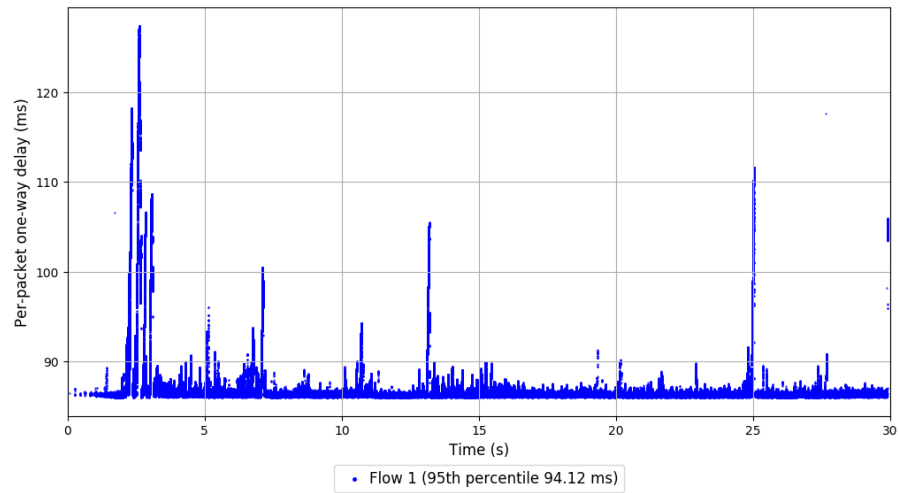
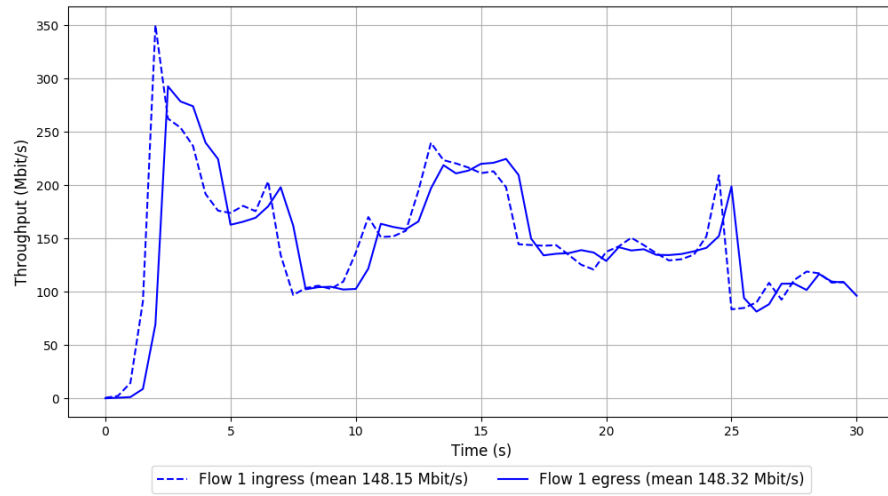
-- Flow 1:

Average throughput: 148.32 Mbit/s

95th percentile per-packet one-way delay: 94.122 ms

Loss rate: 0.44%

Run 10: Report of Copa — Data Link

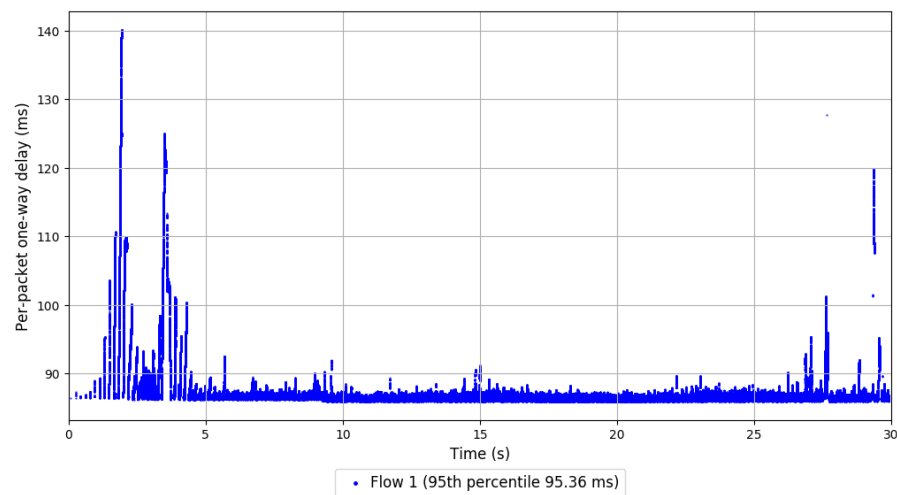
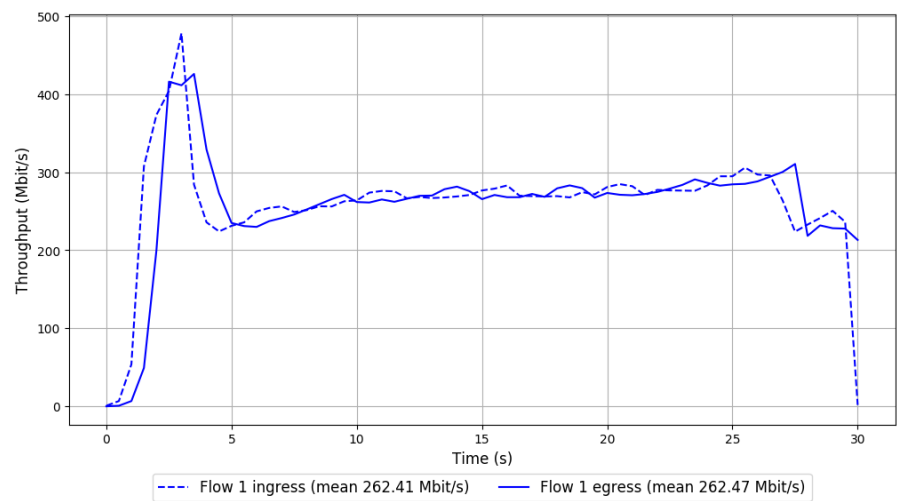


Run 1: Statistics of TCP Cubic

Start at: 2018-08-10 10:41:09
End at: 2018-08-10 10:41:39
Local clock offset: -0.109 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2018-08-10 14:45:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 262.47 Mbit/s
95th percentile per-packet one-way delay: 95.362 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 262.47 Mbit/s
95th percentile per-packet one-way delay: 95.362 ms
Loss rate: 0.55%

Run 1: Report of TCP Cubic — Data Link

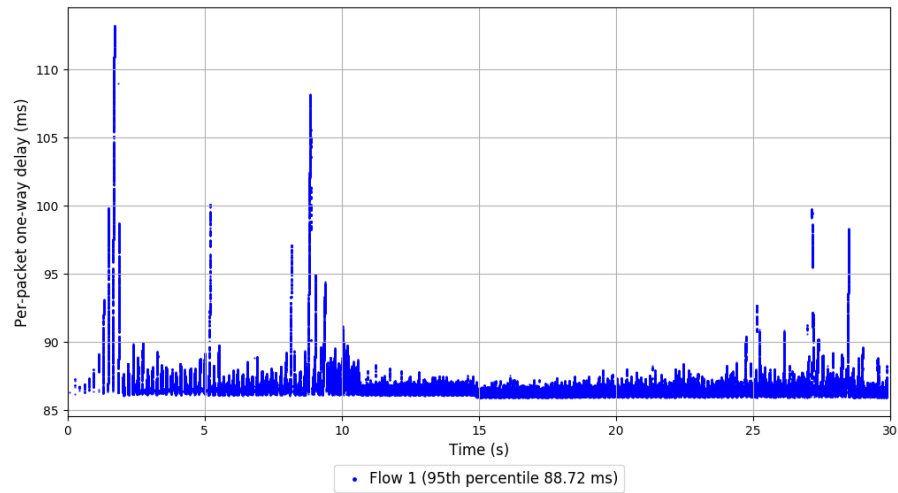
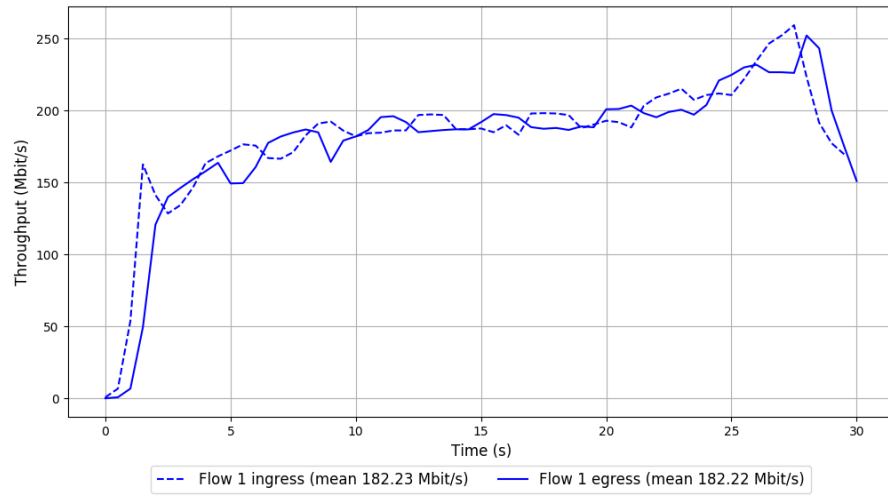


Run 2: Statistics of TCP Cubic

Start at: 2018-08-10 11:04:13
End at: 2018-08-10 11:04:43
Local clock offset: -0.205 ms
Remote clock offset: -0.205 ms

Below is generated by plot.py at 2018-08-10 14:45:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 182.22 Mbit/s
95th percentile per-packet one-way delay: 88.724 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 182.22 Mbit/s
95th percentile per-packet one-way delay: 88.724 ms
Loss rate: 0.58%

Run 2: Report of TCP Cubic — Data Link

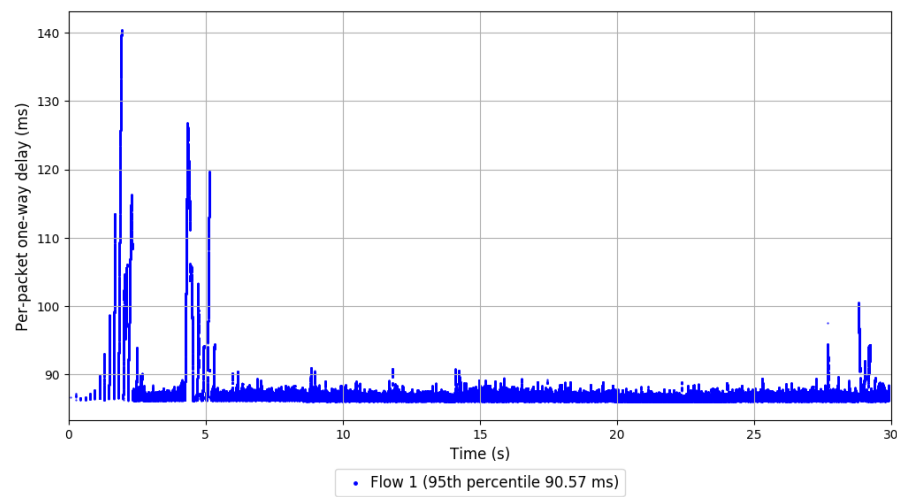
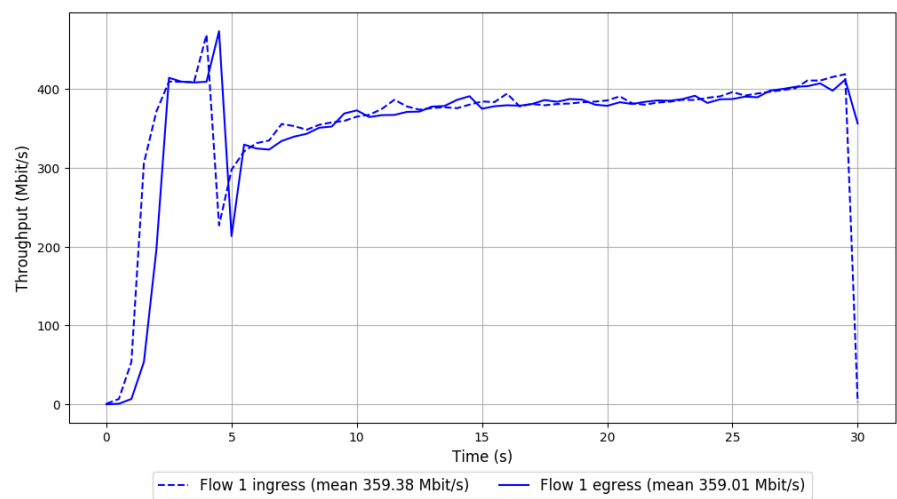


Run 3: Statistics of TCP Cubic

Start at: 2018-08-10 11:27:09
End at: 2018-08-10 11:27:39
Local clock offset: -0.027 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-08-10 14:47:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 359.01 Mbit/s
95th percentile per-packet one-way delay: 90.573 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 359.01 Mbit/s
95th percentile per-packet one-way delay: 90.573 ms
Loss rate: 0.68%

Run 3: Report of TCP Cubic — Data Link

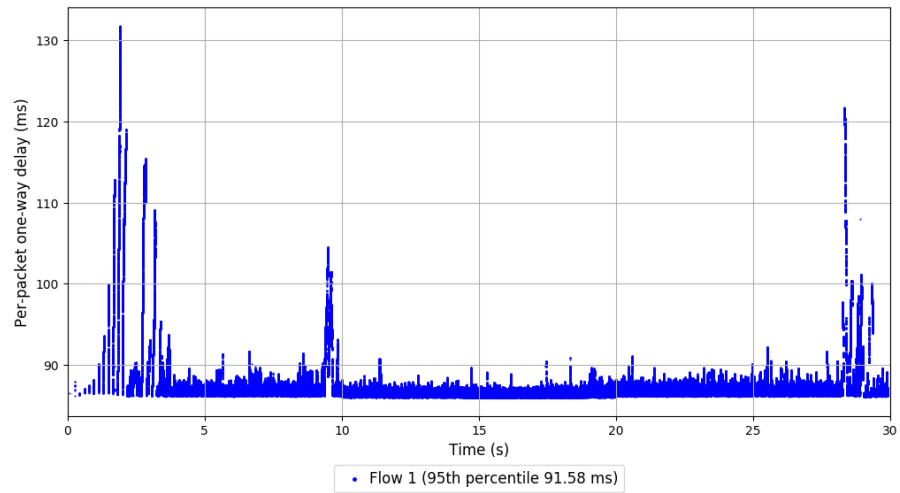
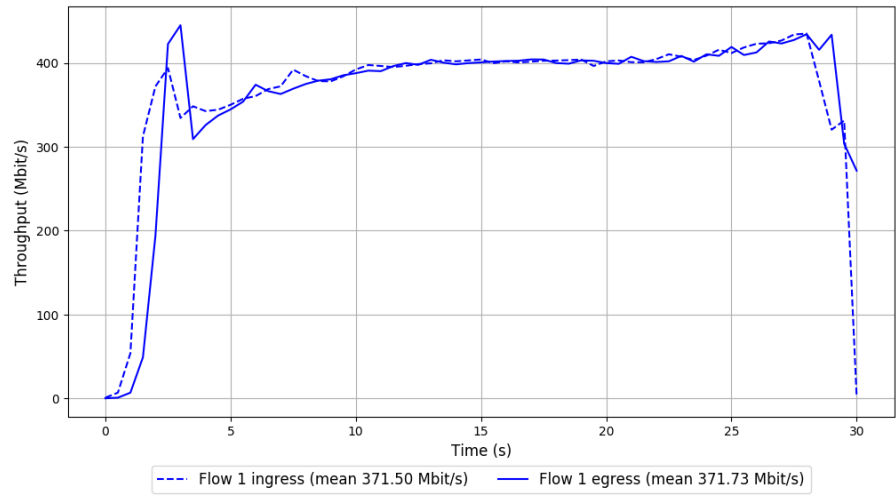


Run 4: Statistics of TCP Cubic

Start at: 2018-08-10 11:50:18
End at: 2018-08-10 11:50:48
Local clock offset: -0.074 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-08-10 14:48:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 371.73 Mbit/s
95th percentile per-packet one-way delay: 91.580 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 371.73 Mbit/s
95th percentile per-packet one-way delay: 91.580 ms
Loss rate: 0.51%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-08-10 12:13:25

End at: 2018-08-10 12:13:55

Local clock offset: -0.024 ms

Remote clock offset: 0.039 ms

Below is generated by plot.py at 2018-08-10 14:48:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 256.56 Mbit/s

95th percentile per-packet one-way delay: 88.168 ms

Loss rate: 0.75%

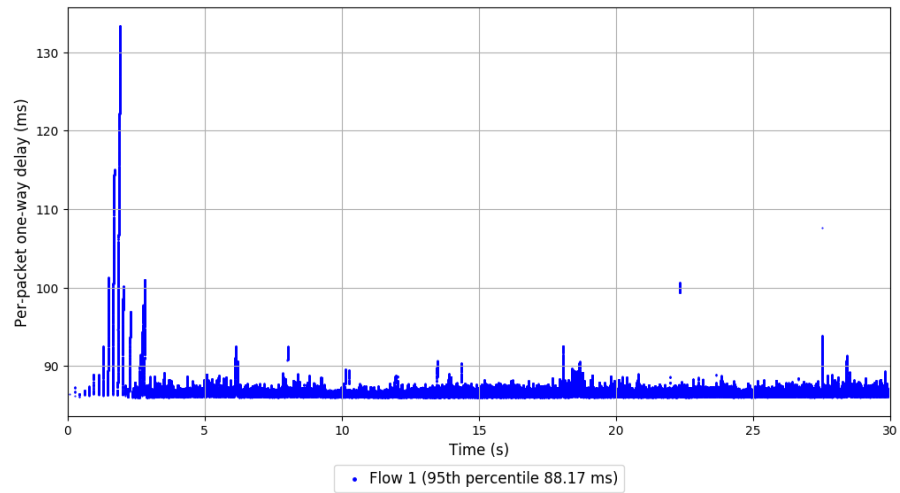
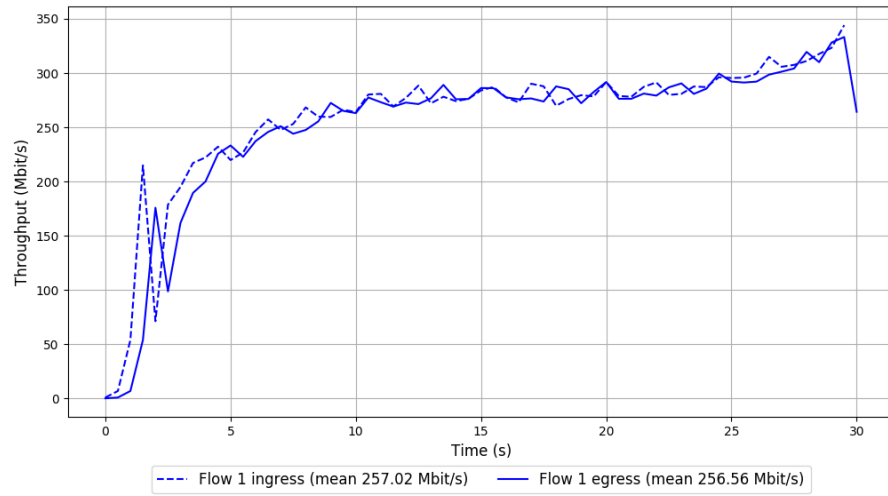
-- Flow 1:

Average throughput: 256.56 Mbit/s

95th percentile per-packet one-way delay: 88.168 ms

Loss rate: 0.75%

Run 5: Report of TCP Cubic — Data Link

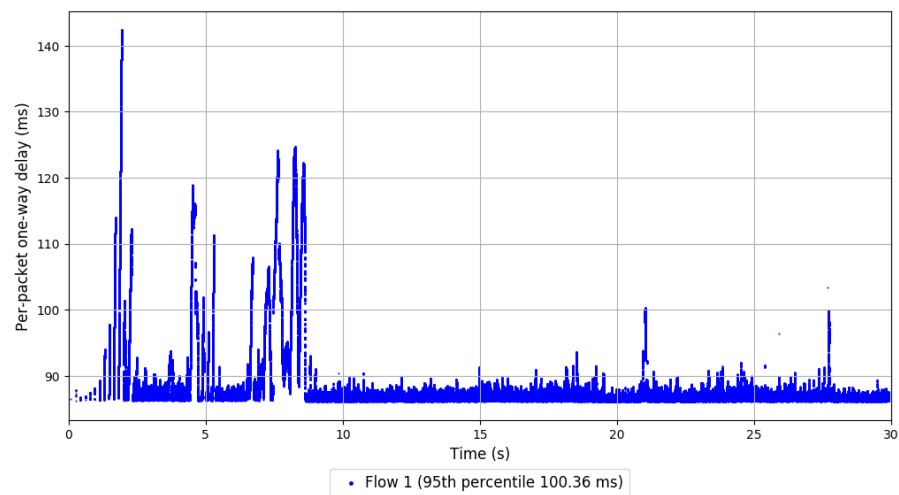
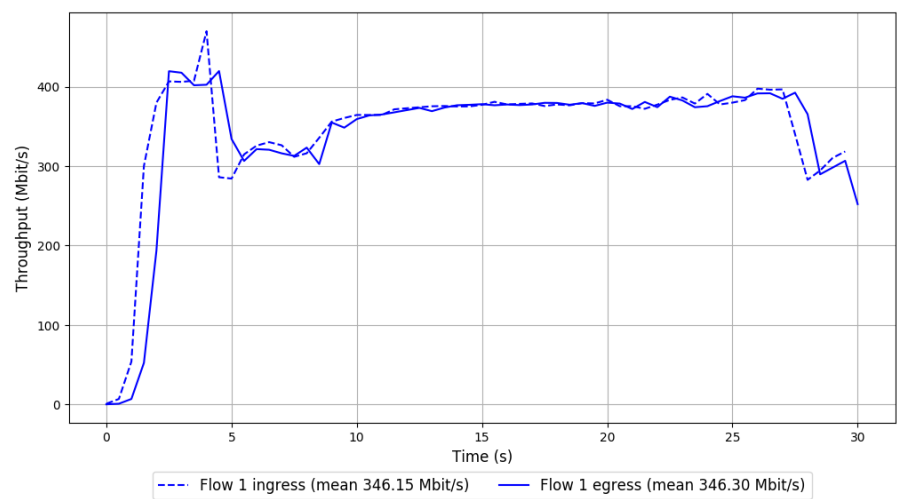


Run 6: Statistics of TCP Cubic

Start at: 2018-08-10 12:36:40
End at: 2018-08-10 12:37:10
Local clock offset: -0.053 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-08-10 14:51:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 346.30 Mbit/s
95th percentile per-packet one-way delay: 100.357 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 346.30 Mbit/s
95th percentile per-packet one-way delay: 100.357 ms
Loss rate: 0.53%

Run 6: Report of TCP Cubic — Data Link

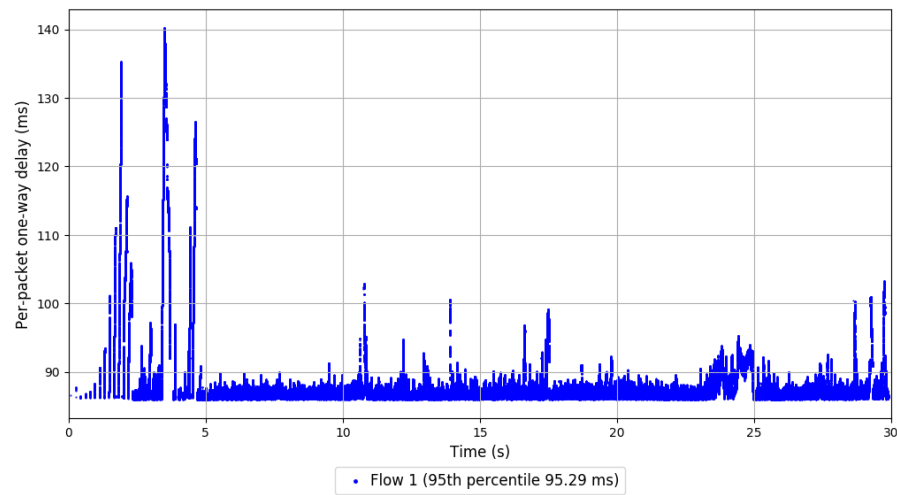
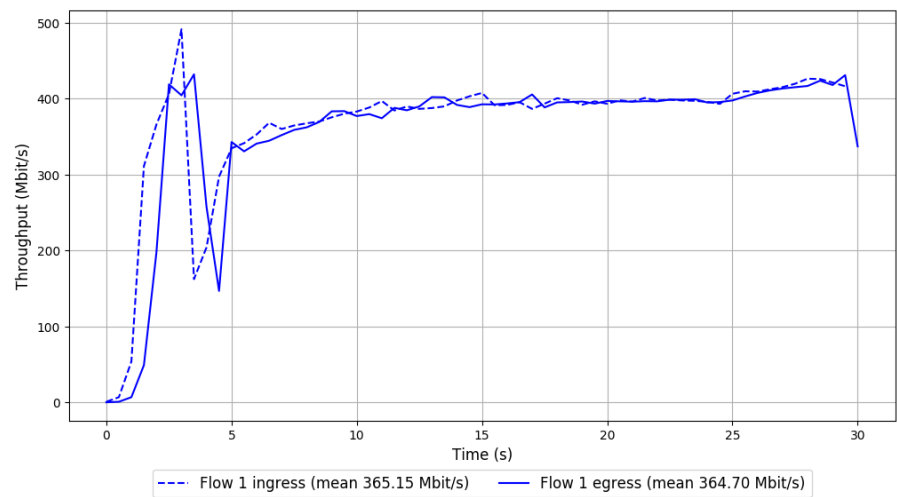


Run 7: Statistics of TCP Cubic

Start at: 2018-08-10 12:59:51
End at: 2018-08-10 13:00:21
Local clock offset: -0.064 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-08-10 14:51:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 364.70 Mbit/s
95th percentile per-packet one-way delay: 95.294 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 364.70 Mbit/s
95th percentile per-packet one-way delay: 95.294 ms
Loss rate: 0.70%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-08-10 13:23:12

End at: 2018-08-10 13:23:42

Local clock offset: -0.255 ms

Remote clock offset: 0.103 ms

Below is generated by plot.py at 2018-08-10 14:51:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 268.06 Mbit/s

95th percentile per-packet one-way delay: 88.805 ms

Loss rate: 0.80%

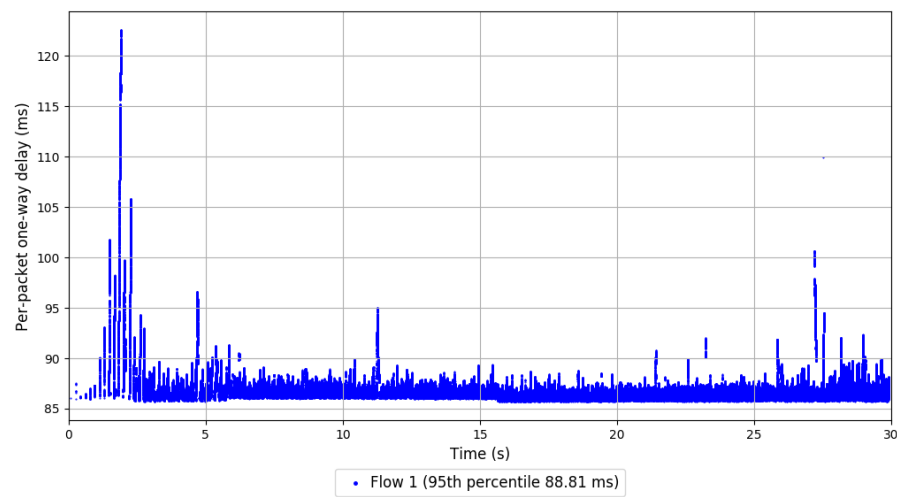
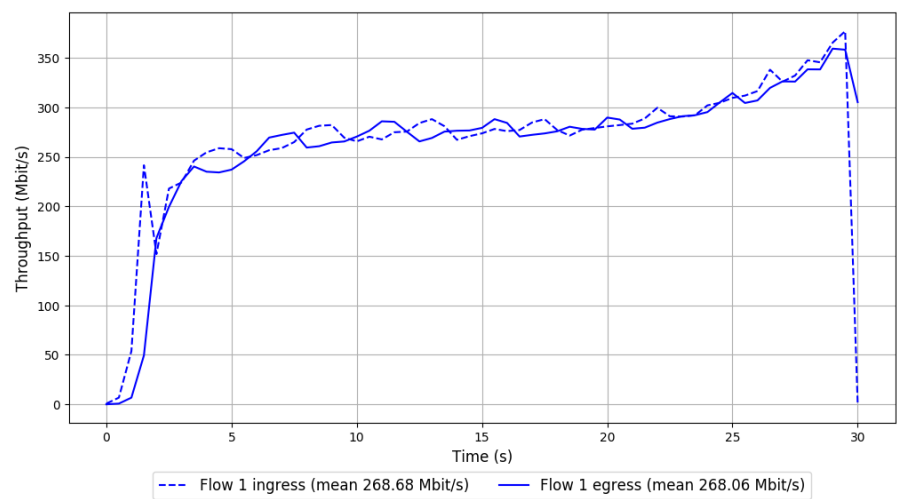
-- Flow 1:

Average throughput: 268.06 Mbit/s

95th percentile per-packet one-way delay: 88.805 ms

Loss rate: 0.80%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-08-10 13:46:14

End at: 2018-08-10 13:46:44

Local clock offset: -0.095 ms

Remote clock offset: 0.102 ms

Below is generated by plot.py at 2018-08-10 14:51:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 302.40 Mbit/s

95th percentile per-packet one-way delay: 88.219 ms

Loss rate: 0.53%

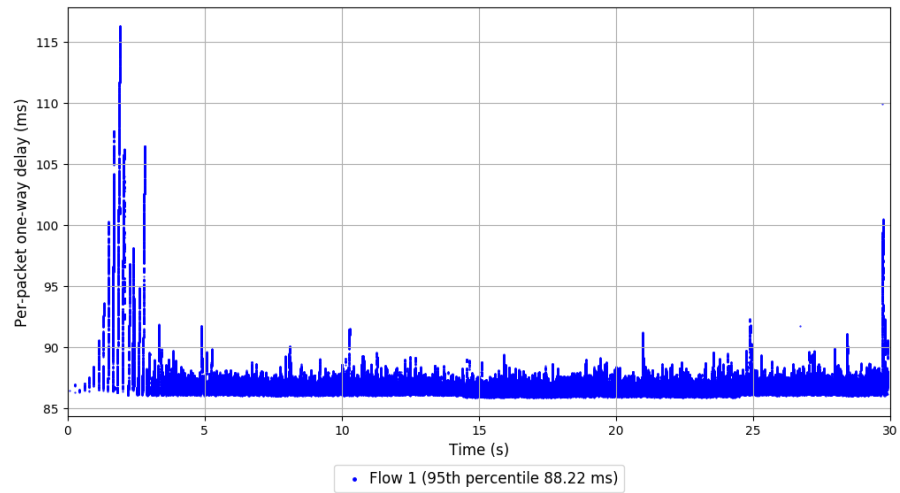
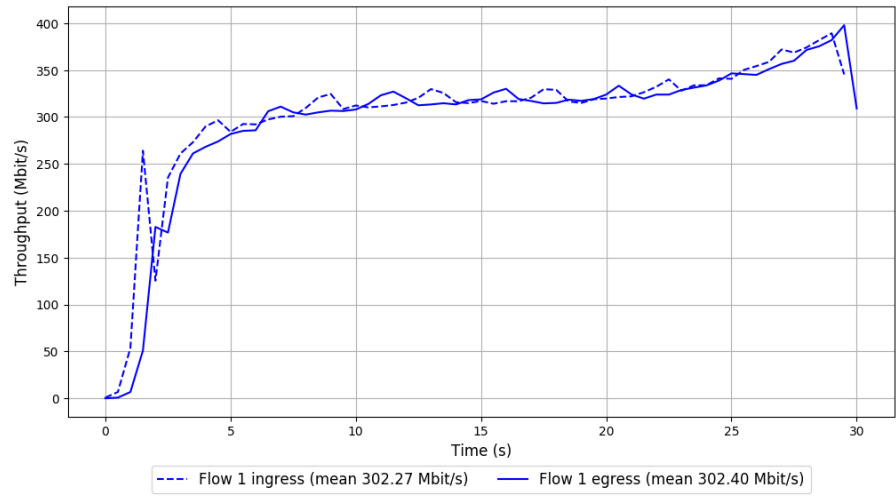
-- Flow 1:

Average throughput: 302.40 Mbit/s

95th percentile per-packet one-way delay: 88.219 ms

Loss rate: 0.53%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-08-10 14:09:16

End at: 2018-08-10 14:09:46

Local clock offset: 0.156 ms

Remote clock offset: 0.064 ms

Below is generated by plot.py at 2018-08-10 14:51:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 280.56 Mbit/s

95th percentile per-packet one-way delay: 89.611 ms

Loss rate: 0.60%

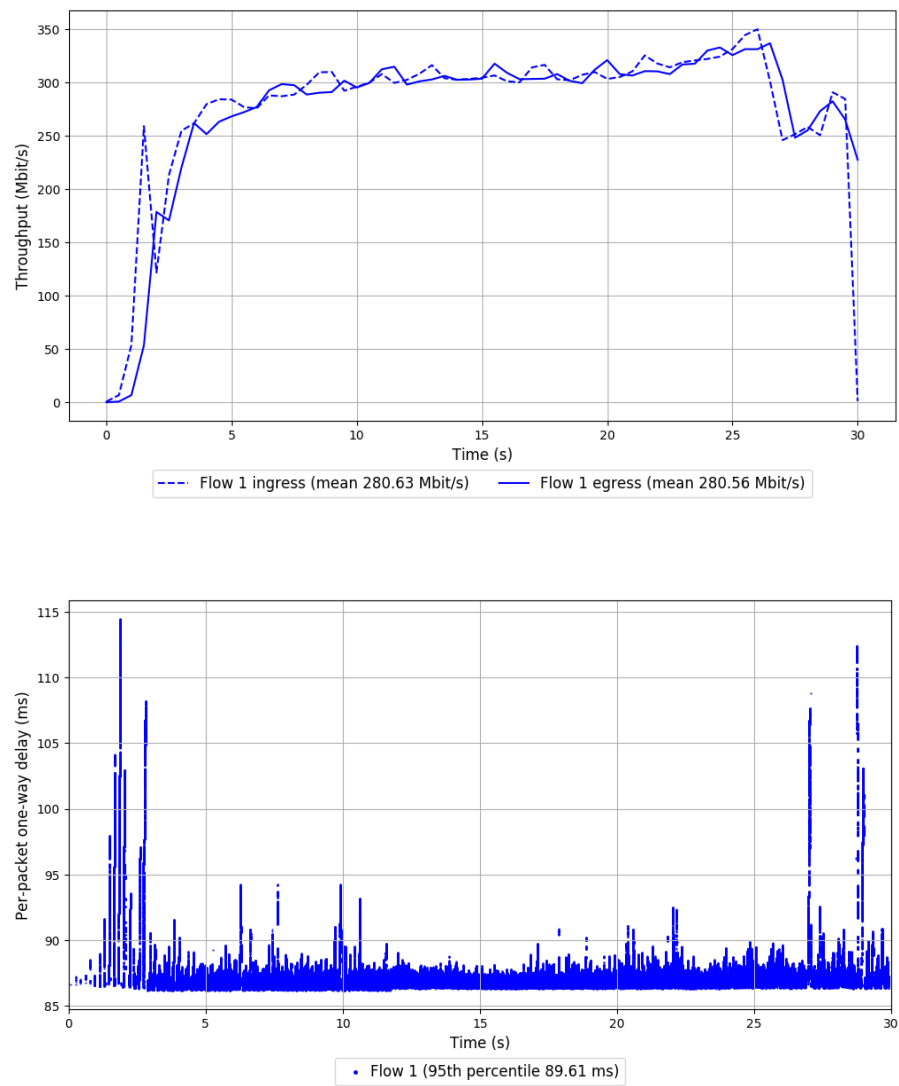
-- Flow 1:

Average throughput: 280.56 Mbit/s

95th percentile per-packet one-way delay: 89.611 ms

Loss rate: 0.60%

Run 10: Report of TCP Cubic — Data Link

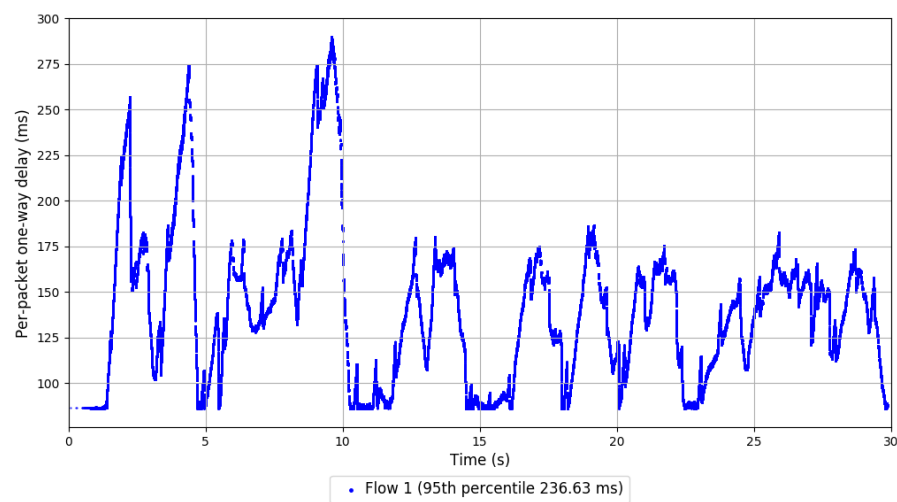
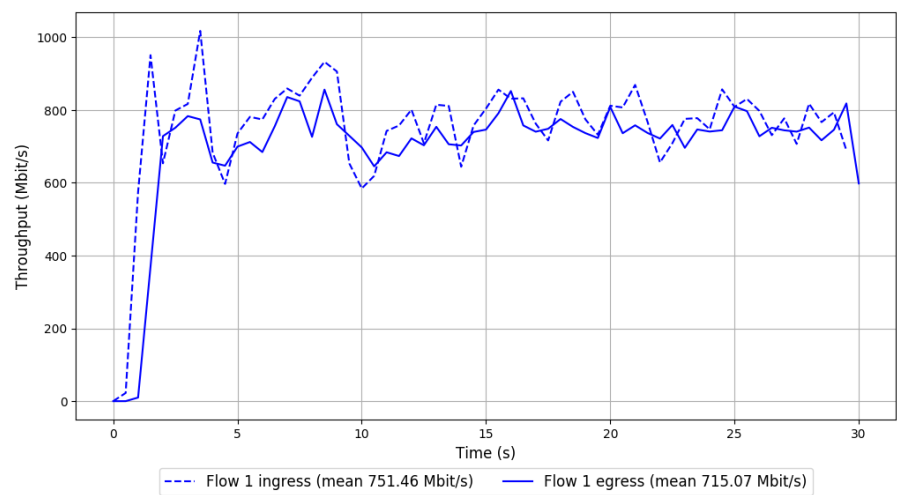


Run 1: Statistics of FillP

Start at: 2018-08-10 10:33:09
End at: 2018-08-10 10:33:39
Local clock offset: -0.173 ms
Remote clock offset: -0.144 ms

Below is generated by plot.py at 2018-08-10 15:05:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 715.07 Mbit/s
95th percentile per-packet one-way delay: 236.635 ms
Loss rate: 5.40%
-- Flow 1:
Average throughput: 715.07 Mbit/s
95th percentile per-packet one-way delay: 236.635 ms
Loss rate: 5.40%

Run 1: Report of FillP — Data Link

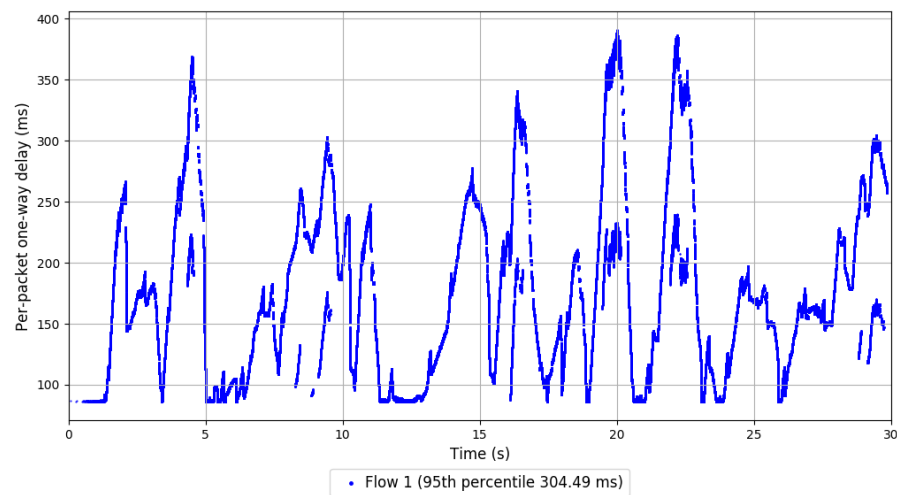
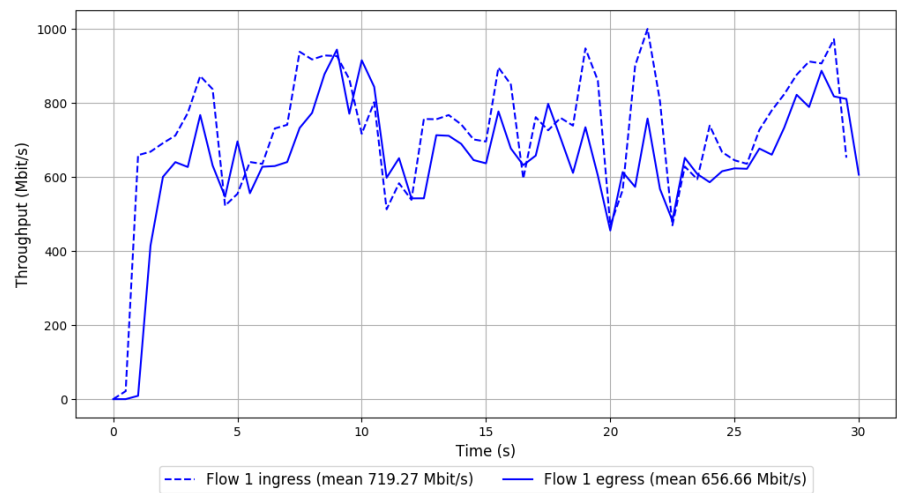


Run 2: Statistics of FillP

Start at: 2018-08-10 10:56:14
End at: 2018-08-10 10:56:44
Local clock offset: -0.178 ms
Remote clock offset: -0.177 ms

Below is generated by plot.py at 2018-08-10 15:05:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 656.66 Mbit/s
95th percentile per-packet one-way delay: 304.486 ms
Loss rate: 9.23%
-- Flow 1:
Average throughput: 656.66 Mbit/s
95th percentile per-packet one-way delay: 304.486 ms
Loss rate: 9.23%

Run 2: Report of FillP — Data Link

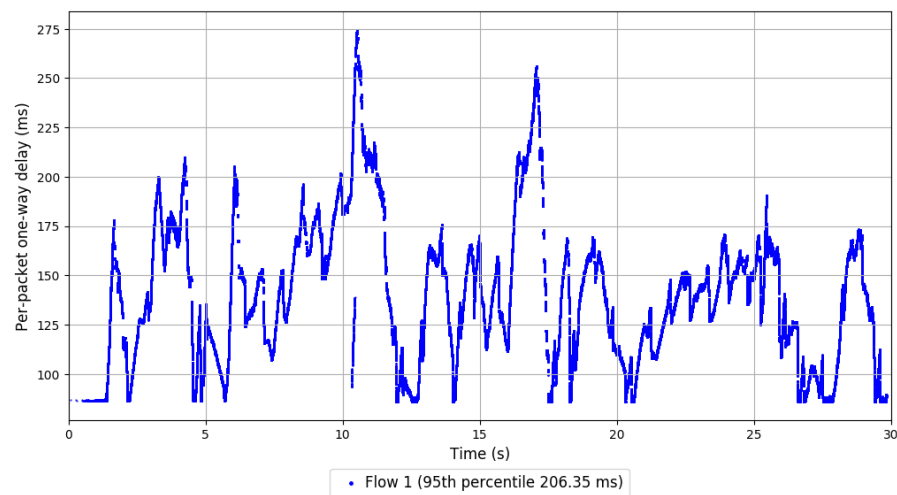
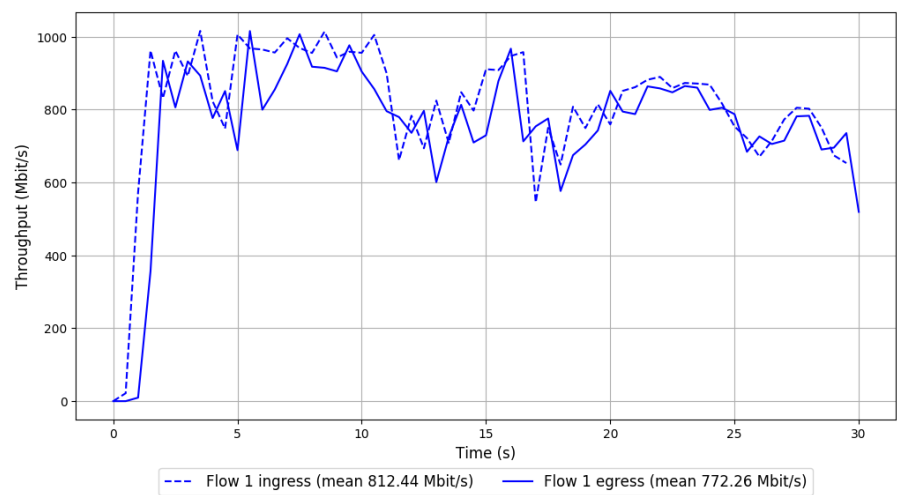


Run 3: Statistics of FillP

Start at: 2018-08-10 11:19:08
End at: 2018-08-10 11:19:38
Local clock offset: -0.057 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-08-10 15:06:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 772.26 Mbit/s
95th percentile per-packet one-way delay: 206.352 ms
Loss rate: 5.50%
-- Flow 1:
Average throughput: 772.26 Mbit/s
95th percentile per-packet one-way delay: 206.352 ms
Loss rate: 5.50%

Run 3: Report of FillP — Data Link

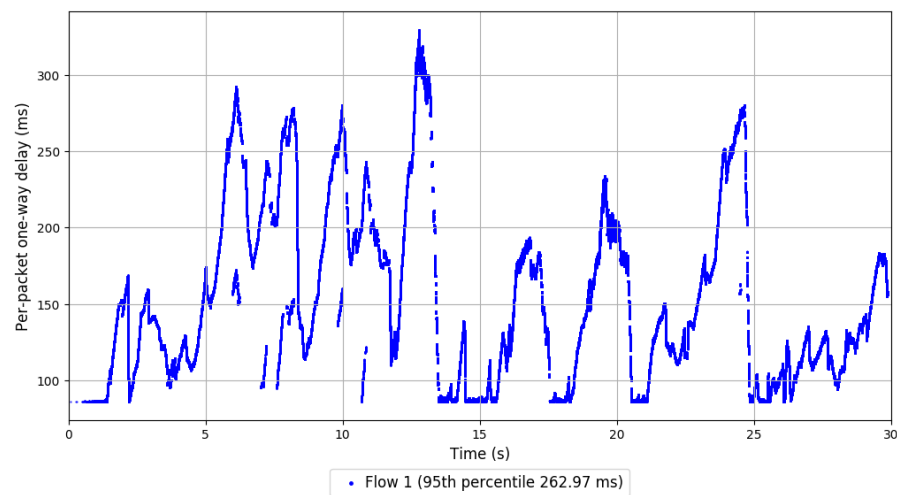
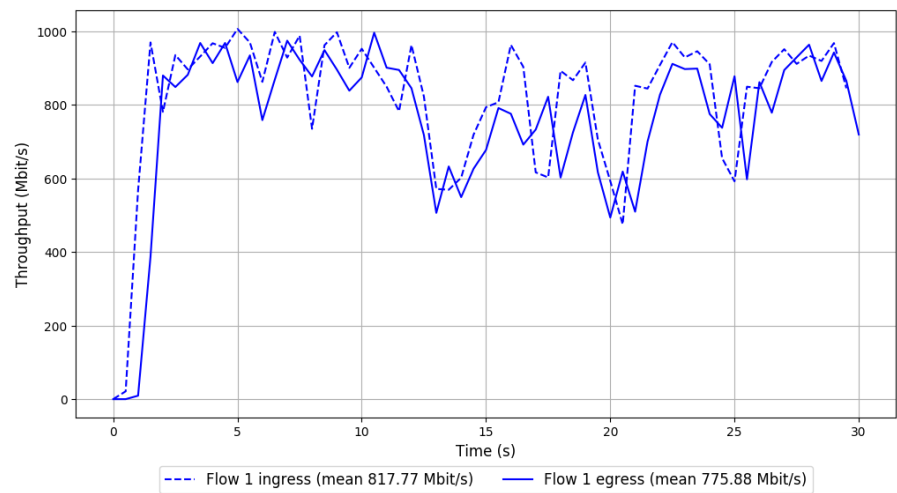


Run 4: Statistics of FillP

Start at: 2018-08-10 11:42:16
End at: 2018-08-10 11:42:46
Local clock offset: -0.018 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-08-10 15:07:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 775.88 Mbit/s
95th percentile per-packet one-way delay: 262.966 ms
Loss rate: 5.67%
-- Flow 1:
Average throughput: 775.88 Mbit/s
95th percentile per-packet one-way delay: 262.966 ms
Loss rate: 5.67%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-08-10 12:05:27

End at: 2018-08-10 12:05:57

Local clock offset: 0.006 ms

Remote clock offset: 0.0 ms

Below is generated by plot.py at 2018-08-10 15:07:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 672.60 Mbit/s

95th percentile per-packet one-way delay: 203.787 ms

Loss rate: 7.35%

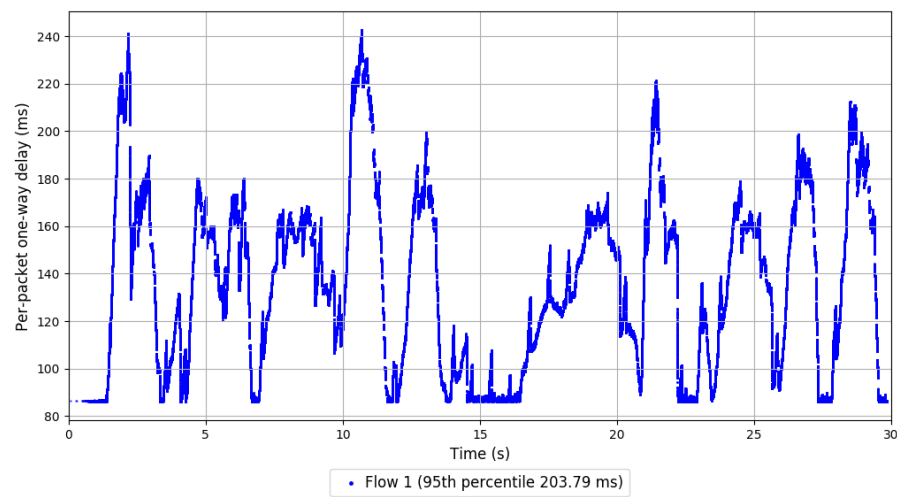
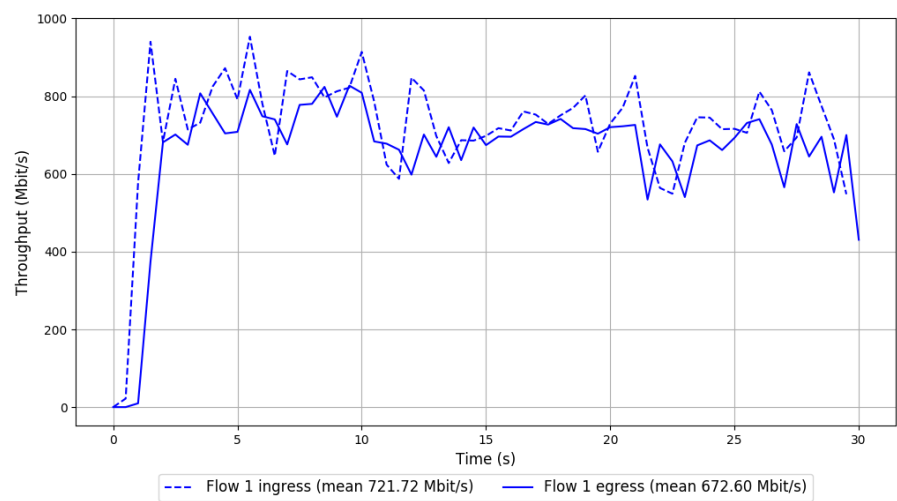
-- Flow 1:

Average throughput: 672.60 Mbit/s

95th percentile per-packet one-way delay: 203.787 ms

Loss rate: 7.35%

Run 5: Report of FillP — Data Link

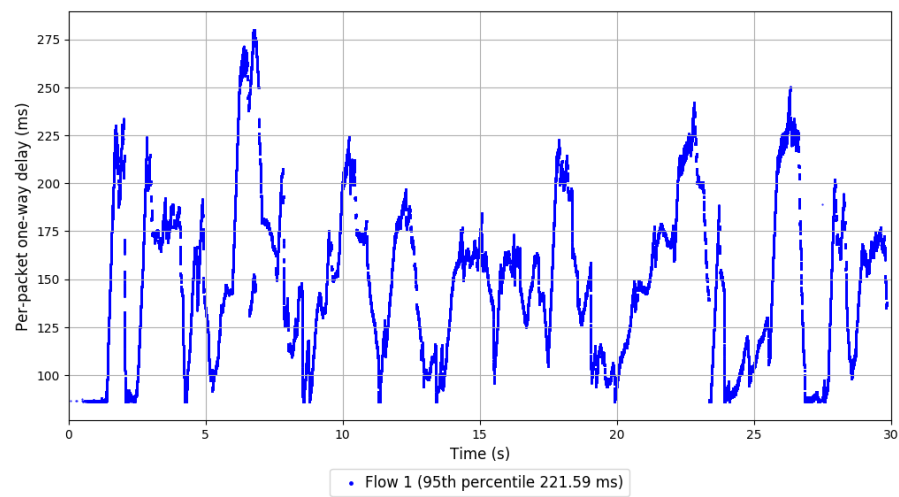
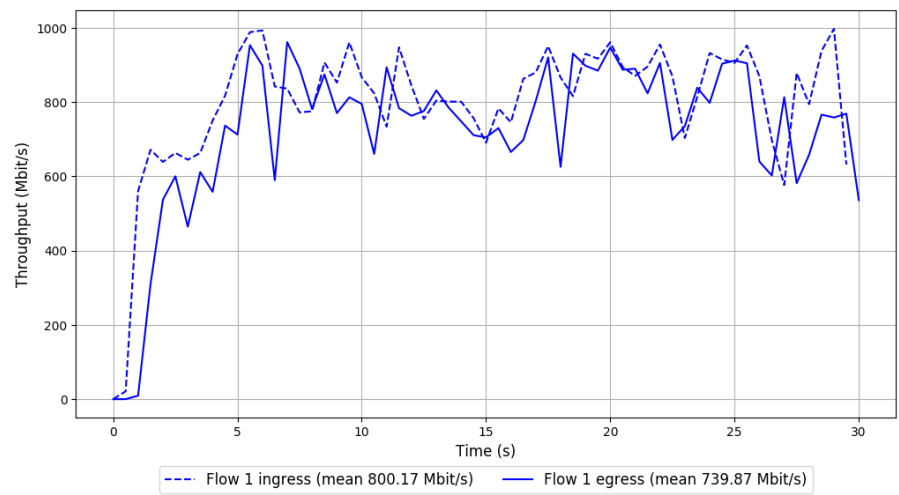


Run 6: Statistics of FillP

Start at: 2018-08-10 12:28:41
End at: 2018-08-10 12:29:11
Local clock offset: 0.038 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-08-10 15:07:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 739.87 Mbit/s
95th percentile per-packet one-way delay: 221.588 ms
Loss rate: 8.07%
-- Flow 1:
Average throughput: 739.87 Mbit/s
95th percentile per-packet one-way delay: 221.588 ms
Loss rate: 8.07%

Run 6: Report of FillP — Data Link

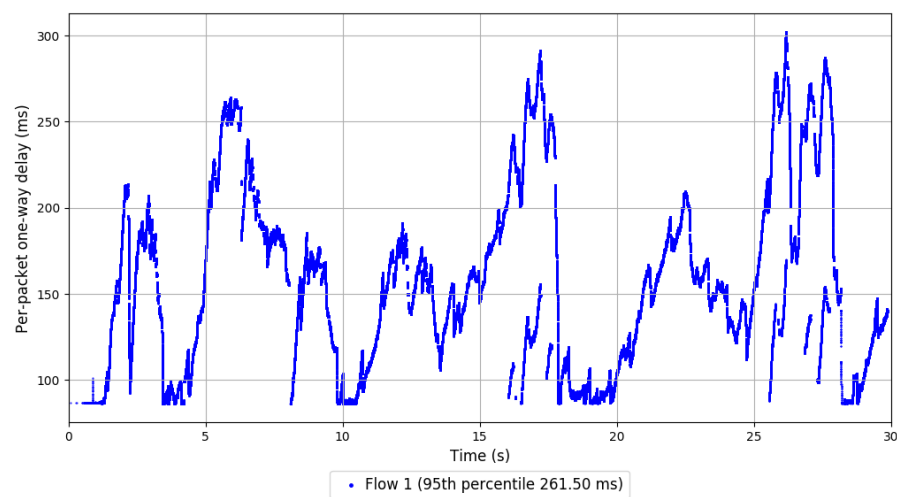
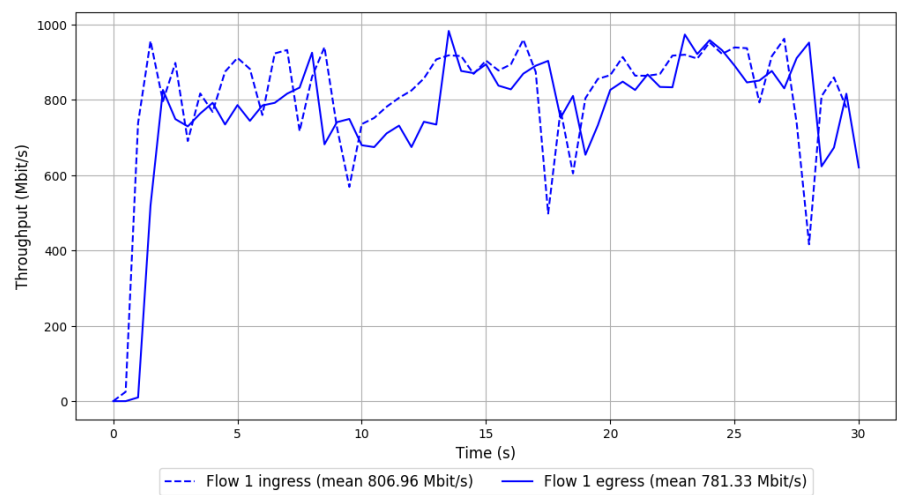


Run 7: Statistics of FillP

Start at: 2018-08-10 12:51:46
End at: 2018-08-10 12:52:16
Local clock offset: -0.141 ms
Remote clock offset: -0.127 ms

Below is generated by plot.py at 2018-08-10 15:08:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 781.33 Mbit/s
95th percentile per-packet one-way delay: 261.502 ms
Loss rate: 3.74%
-- Flow 1:
Average throughput: 781.33 Mbit/s
95th percentile per-packet one-way delay: 261.502 ms
Loss rate: 3.74%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-08-10 13:15:14

End at: 2018-08-10 13:15:44

Local clock offset: -0.087 ms

Remote clock offset: 0.072 ms

Below is generated by plot.py at 2018-08-10 15:08:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 710.89 Mbit/s

95th percentile per-packet one-way delay: 195.022 ms

Loss rate: 6.90%

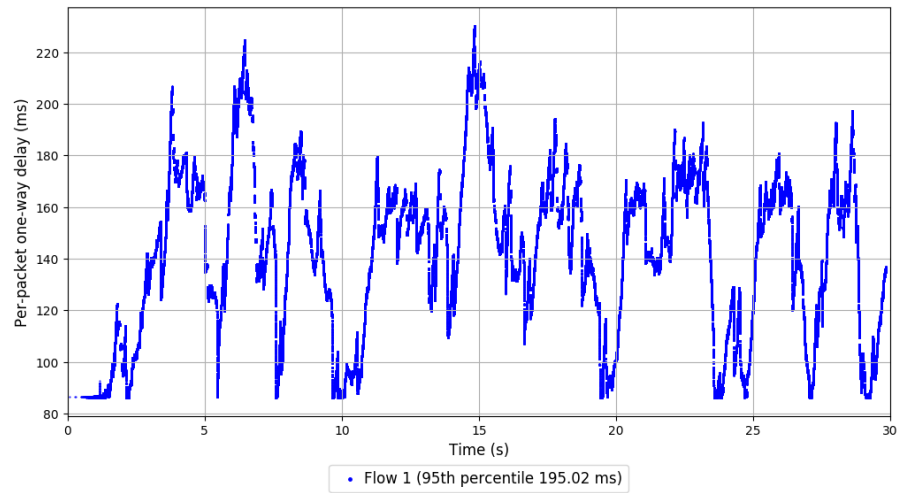
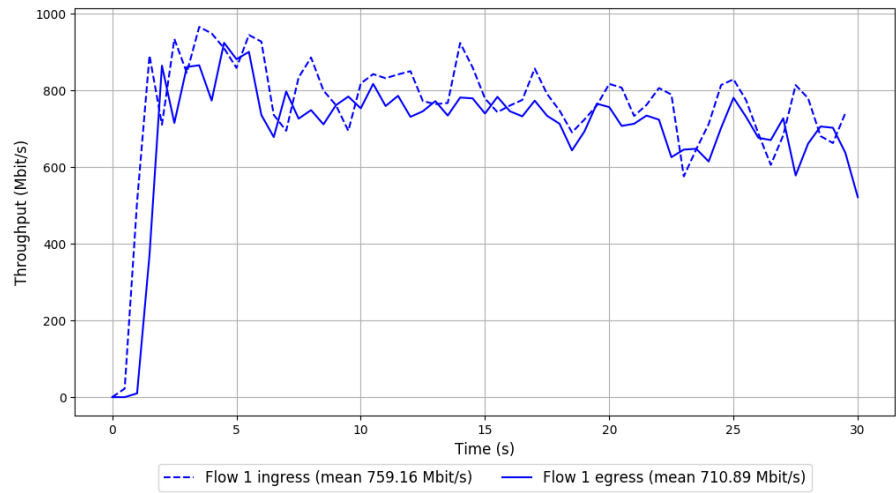
-- Flow 1:

Average throughput: 710.89 Mbit/s

95th percentile per-packet one-way delay: 195.022 ms

Loss rate: 6.90%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-08-10 13:38:05

End at: 2018-08-10 13:38:35

Local clock offset: -0.147 ms

Remote clock offset: 0.096 ms

Below is generated by plot.py at 2018-08-10 15:20:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 742.56 Mbit/s

95th percentile per-packet one-way delay: 224.604 ms

Loss rate: 6.36%

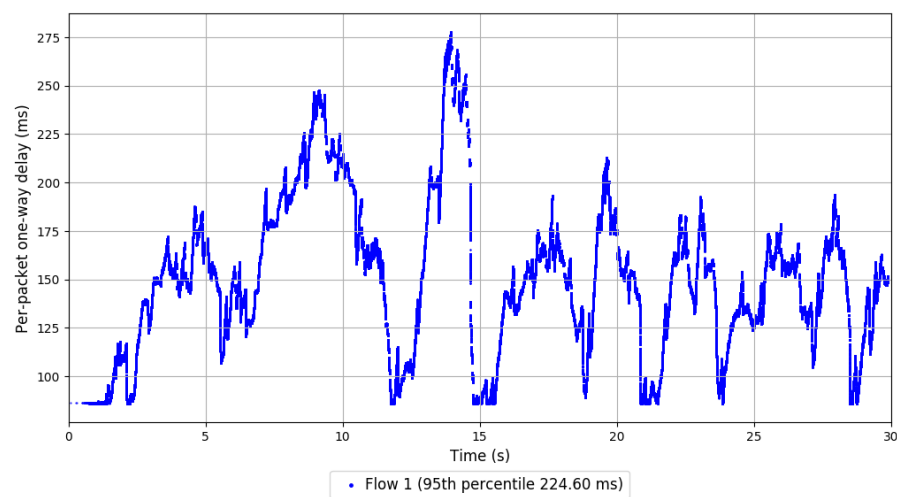
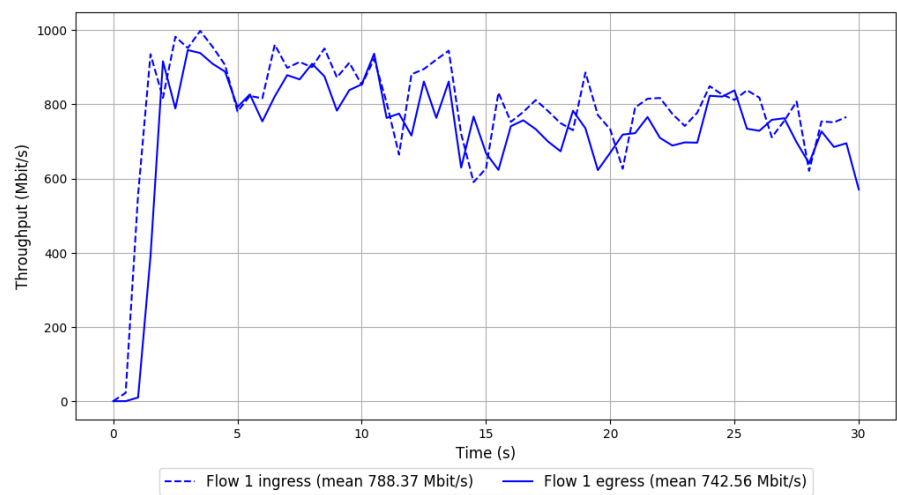
-- Flow 1:

Average throughput: 742.56 Mbit/s

95th percentile per-packet one-way delay: 224.604 ms

Loss rate: 6.36%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-08-10 14:01:14

End at: 2018-08-10 14:01:44

Local clock offset: -0.22 ms

Remote clock offset: 0.109 ms

Below is generated by plot.py at 2018-08-10 15:20:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 687.04 Mbit/s

95th percentile per-packet one-way delay: 253.437 ms

Loss rate: 6.01%

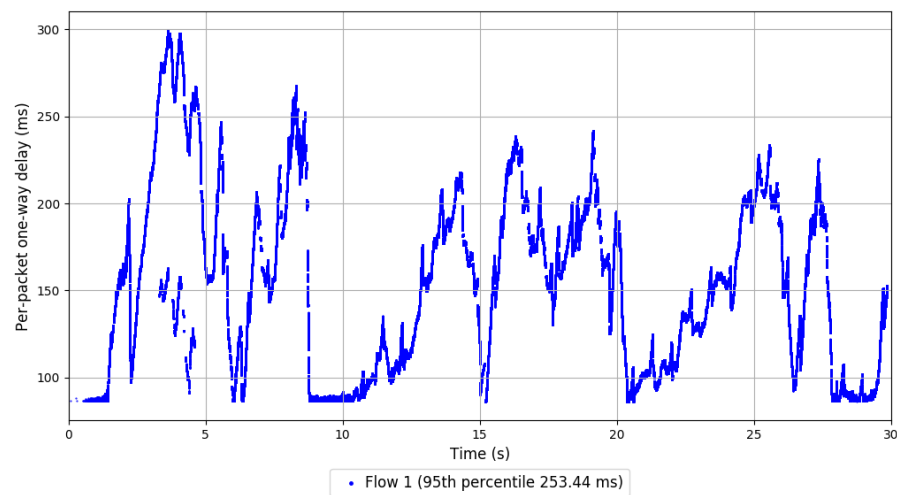
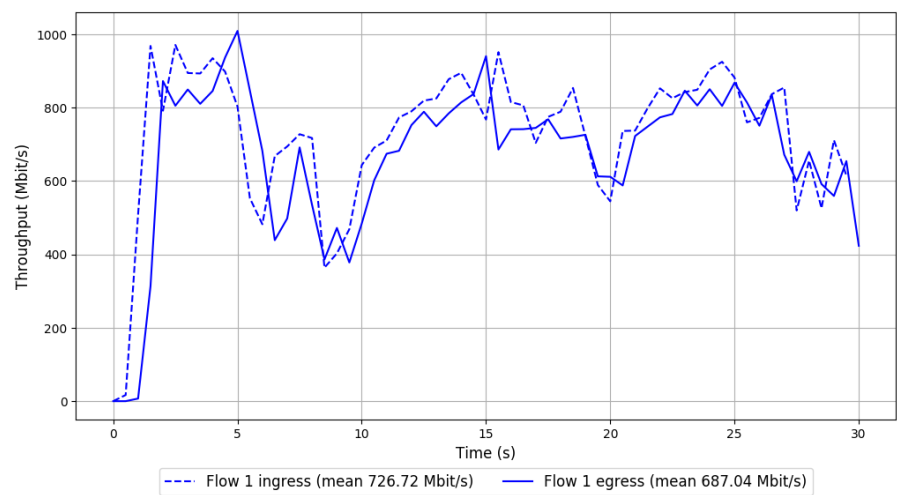
-- Flow 1:

Average throughput: 687.04 Mbit/s

95th percentile per-packet one-way delay: 253.437 ms

Loss rate: 6.01%

Run 10: Report of FillP — Data Link

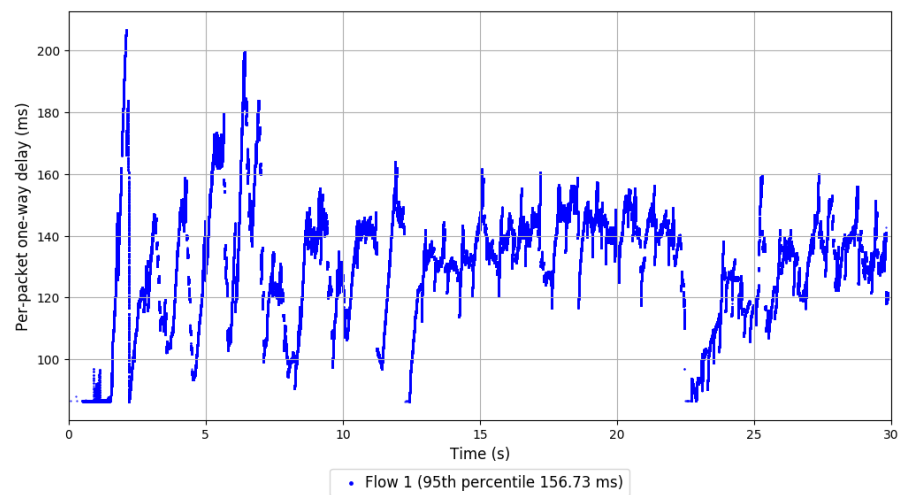
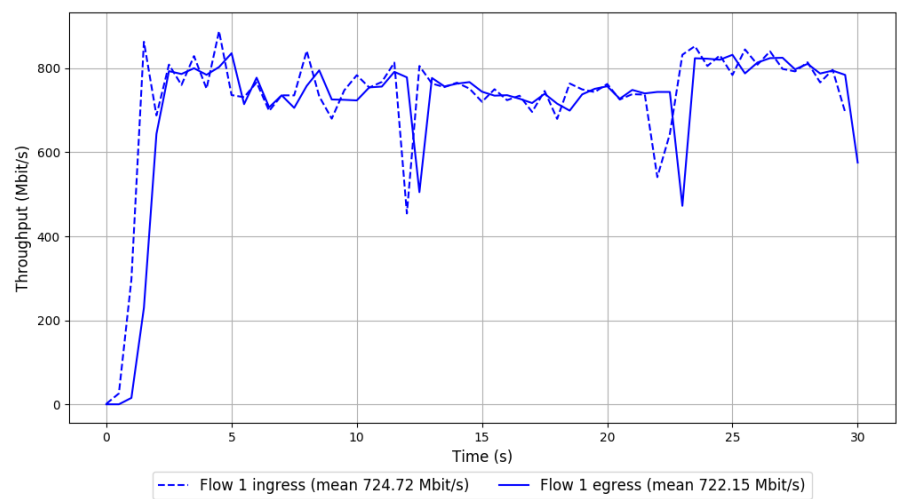


Run 1: Statistics of FillP-Sheep

Start at: 2018-08-10 10:21:42
End at: 2018-08-10 10:22:12
Local clock offset: -0.334 ms
Remote clock offset: -0.107 ms

Below is generated by plot.py at 2018-08-10 15:22:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 722.15 Mbit/s
95th percentile per-packet one-way delay: 156.727 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 722.15 Mbit/s
95th percentile per-packet one-way delay: 156.727 ms
Loss rate: 0.93%

Run 1: Report of FillP-Sheep — Data Link

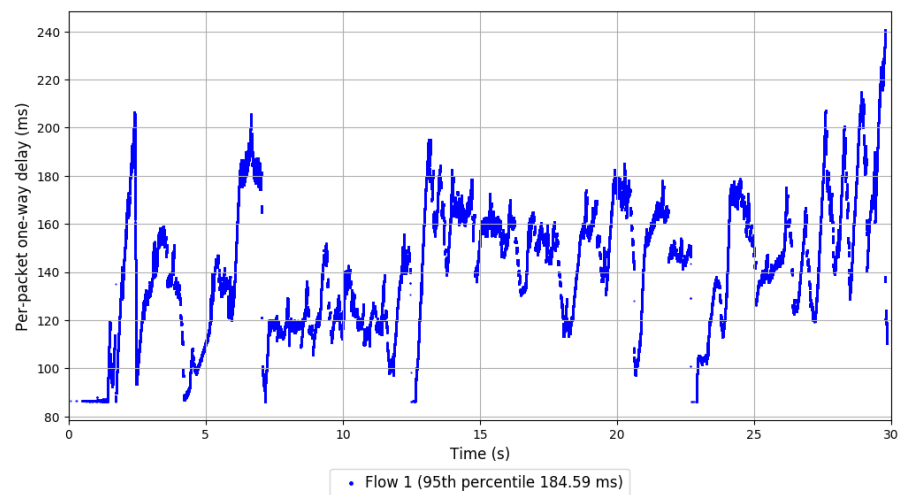
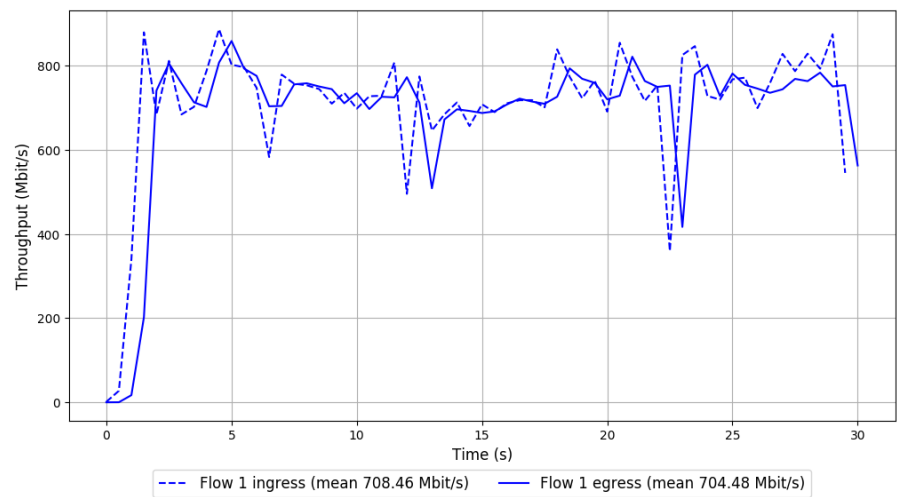


Run 2: Statistics of FillP-Sheep

Start at: 2018-08-10 10:44:51
End at: 2018-08-10 10:45:21
Local clock offset: -0.252 ms
Remote clock offset: -0.159 ms

Below is generated by plot.py at 2018-08-10 15:22:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 704.48 Mbit/s
95th percentile per-packet one-way delay: 184.590 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 704.48 Mbit/s
95th percentile per-packet one-way delay: 184.590 ms
Loss rate: 1.14%

Run 2: Report of FillP-Sheep — Data Link

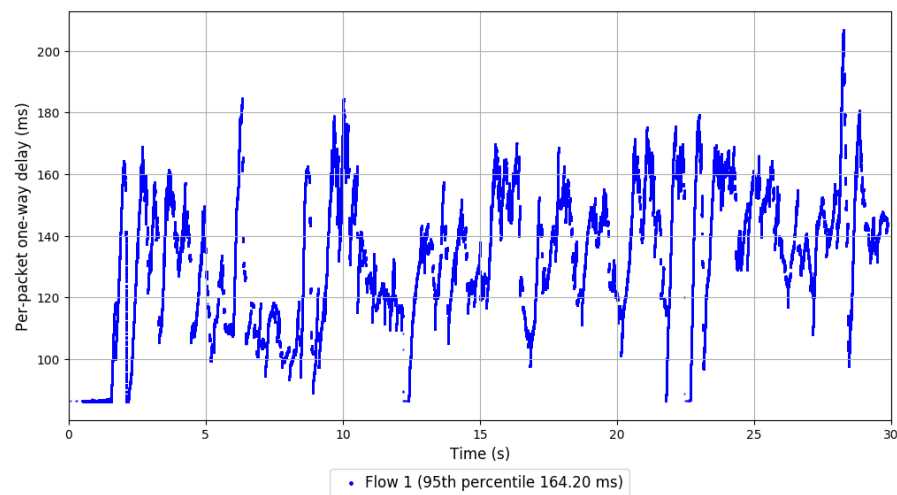
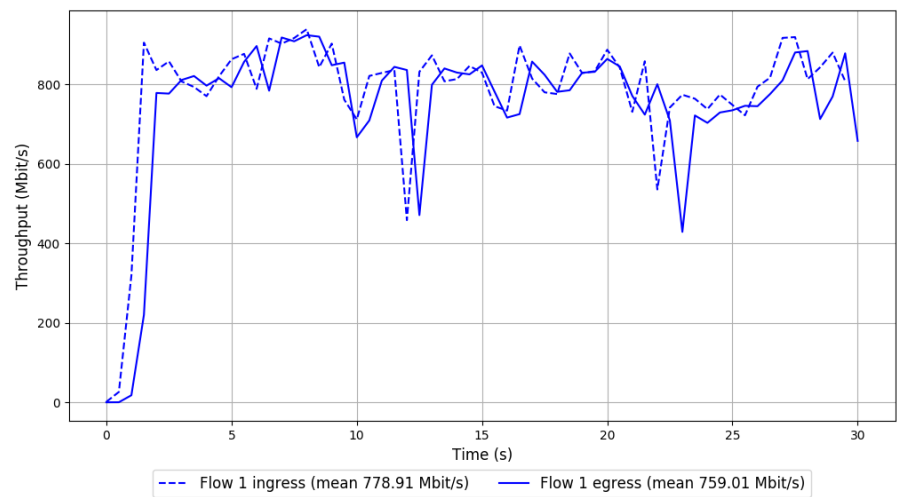


Run 3: Statistics of FillP-Sheep

Start at: 2018-08-10 11:07:52
End at: 2018-08-10 11:08:22
Local clock offset: -0.059 ms
Remote clock offset: -0.173 ms

Below is generated by plot.py at 2018-08-10 15:24:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 759.01 Mbit/s
95th percentile per-packet one-way delay: 164.197 ms
Loss rate: 3.12%
-- Flow 1:
Average throughput: 759.01 Mbit/s
95th percentile per-packet one-way delay: 164.197 ms
Loss rate: 3.12%

Run 3: Report of FillP-Sheep — Data Link

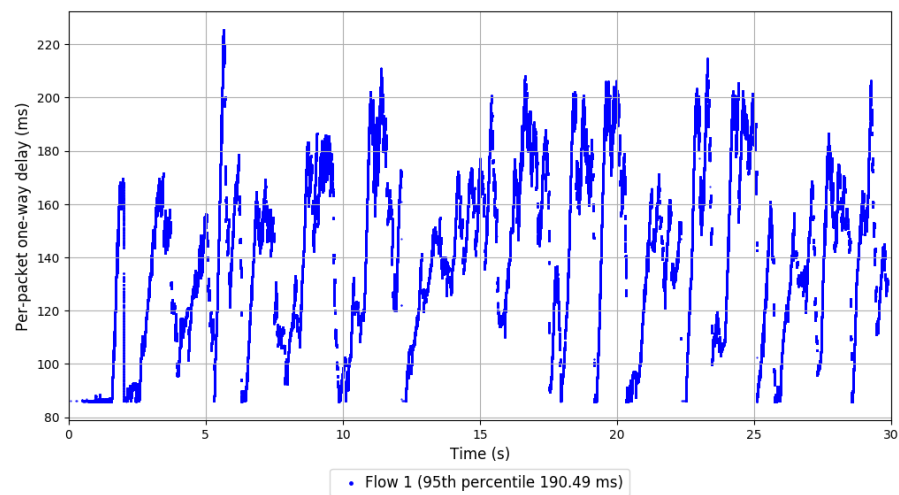
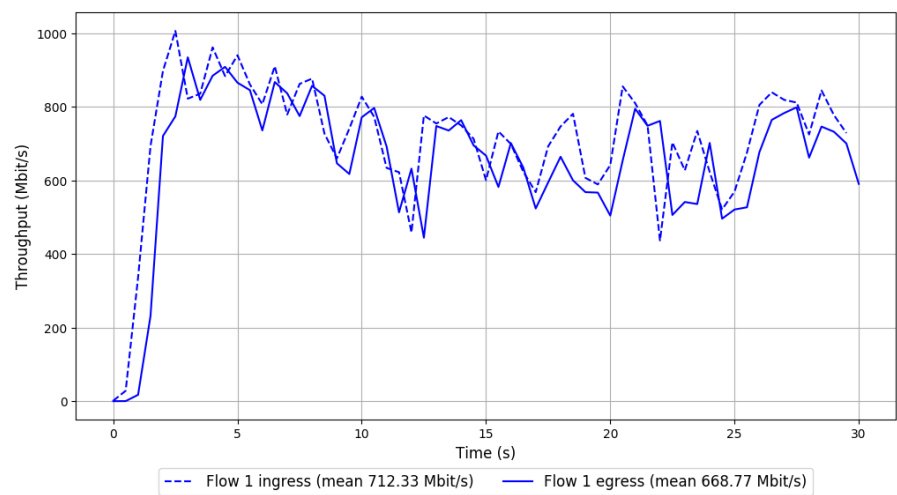


Run 4: Statistics of FillP-Sheep

Start at: 2018-08-10 11:30:53
End at: 2018-08-10 11:31:23
Local clock offset: -0.162 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-08-10 15:24:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 668.77 Mbit/s
95th percentile per-packet one-way delay: 190.493 ms
Loss rate: 6.66%
-- Flow 1:
Average throughput: 668.77 Mbit/s
95th percentile per-packet one-way delay: 190.493 ms
Loss rate: 6.66%

Run 4: Report of FillP-Sheep — Data Link

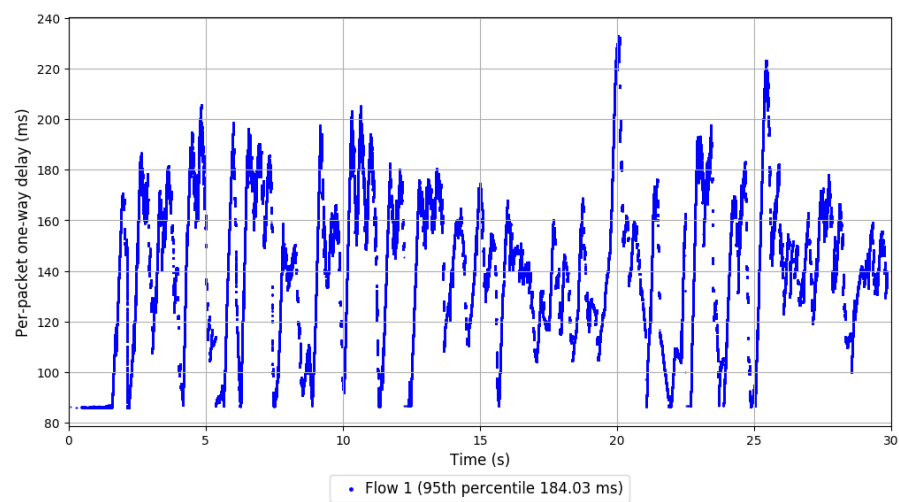
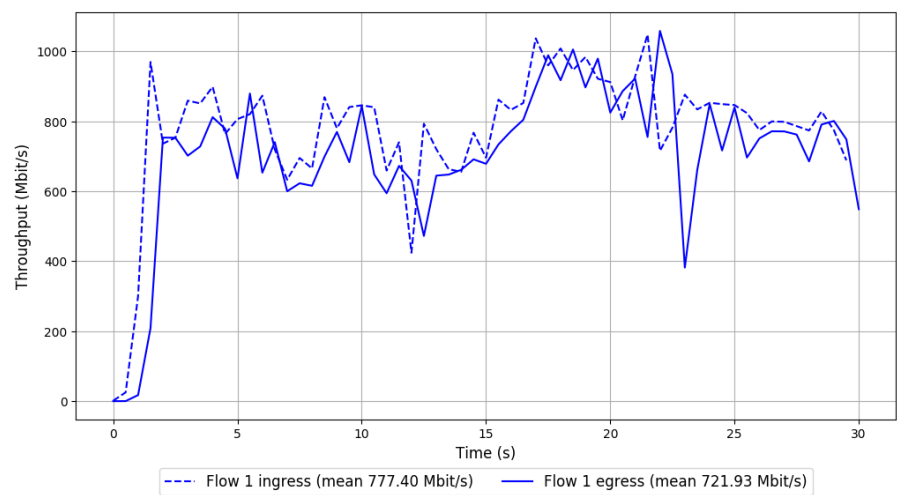


Run 5: Statistics of FillP-Sheep

Start at: 2018-08-10 11:54:04
End at: 2018-08-10 11:54:34
Local clock offset: 0.006 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-08-10 15:24:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 721.93 Mbit/s
95th percentile per-packet one-way delay: 184.033 ms
Loss rate: 7.67%
-- Flow 1:
Average throughput: 721.93 Mbit/s
95th percentile per-packet one-way delay: 184.033 ms
Loss rate: 7.67%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-08-10 12:17:05

End at: 2018-08-10 12:17:35

Local clock offset: -0.135 ms

Remote clock offset: 0.103 ms

Below is generated by plot.py at 2018-08-10 15:25:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 780.48 Mbit/s

95th percentile per-packet one-way delay: 187.439 ms

Loss rate: 5.92%

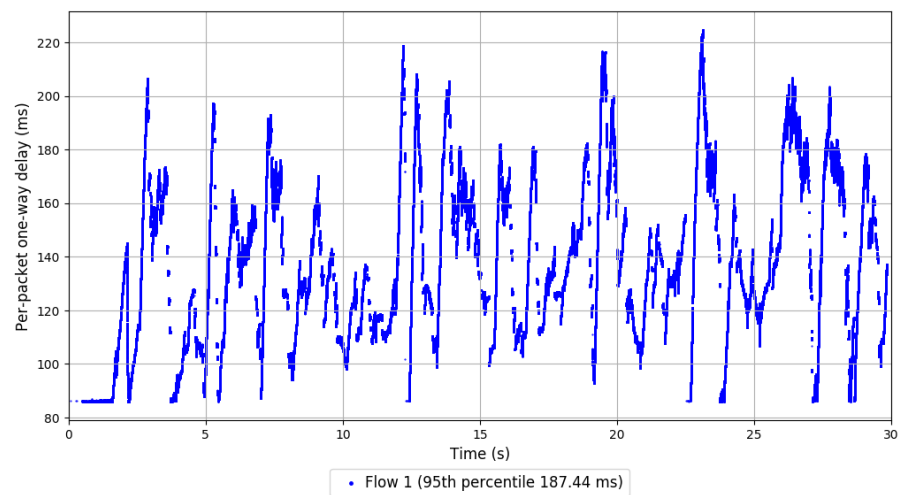
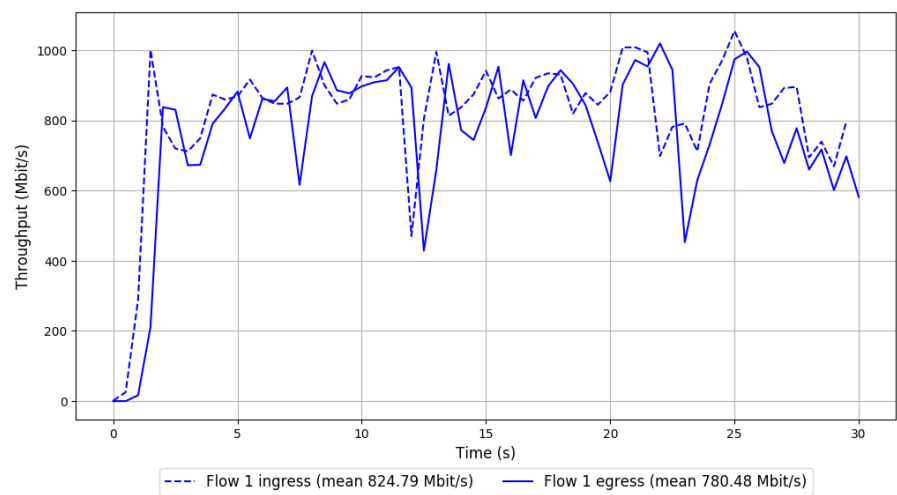
-- Flow 1:

Average throughput: 780.48 Mbit/s

95th percentile per-packet one-way delay: 187.439 ms

Loss rate: 5.92%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-08-10 12:40:24

End at: 2018-08-10 12:40:54

Local clock offset: -0.192 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-08-10 15:36:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 723.63 Mbit/s

95th percentile per-packet one-way delay: 184.300 ms

Loss rate: 6.01%

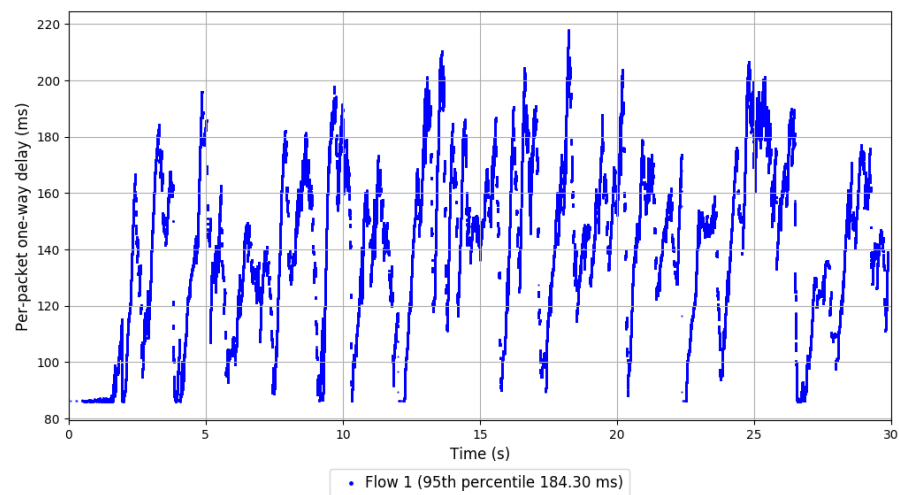
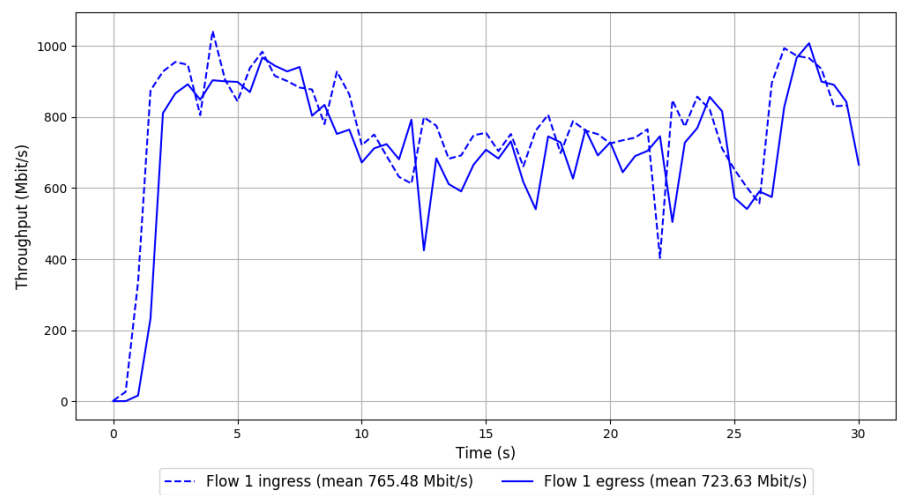
-- Flow 1:

Average throughput: 723.63 Mbit/s

95th percentile per-packet one-way delay: 184.300 ms

Loss rate: 6.01%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-08-10 13:03:50

End at: 2018-08-10 13:04:20

Local clock offset: -0.19 ms

Remote clock offset: 0.103 ms

Below is generated by plot.py at 2018-08-10 15:36:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 732.45 Mbit/s

95th percentile per-packet one-way delay: 170.906 ms

Loss rate: 3.97%

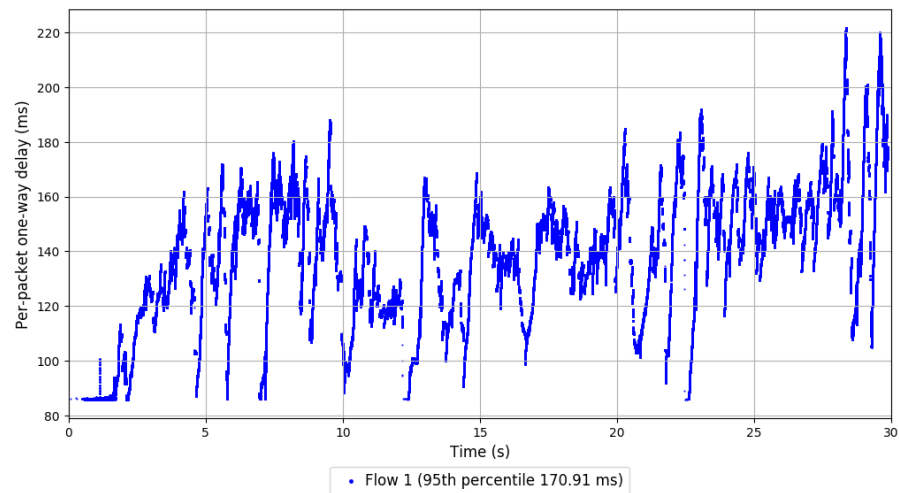
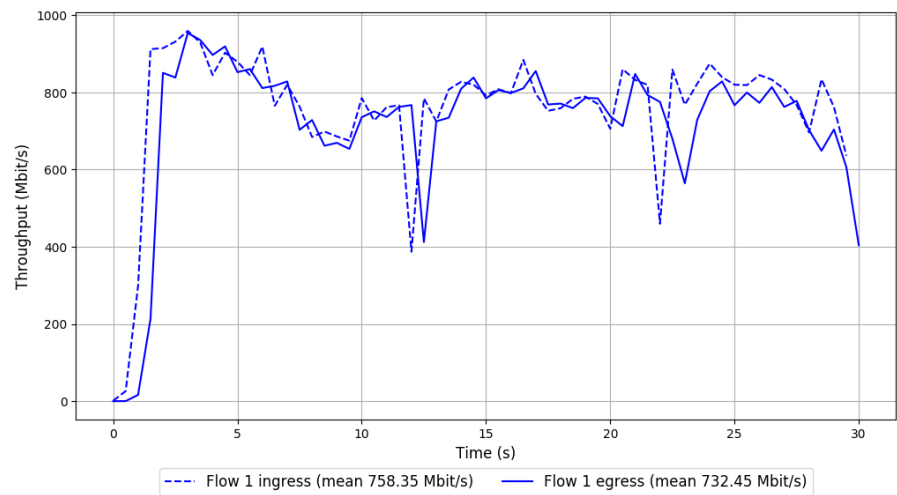
-- Flow 1:

Average throughput: 732.45 Mbit/s

95th percentile per-packet one-way delay: 170.906 ms

Loss rate: 3.97%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-08-10 13:26:50

End at: 2018-08-10 13:27:20

Local clock offset: -0.117 ms

Remote clock offset: 0.107 ms

Below is generated by plot.py at 2018-08-10 15:38:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 741.37 Mbit/s

95th percentile per-packet one-way delay: 182.355 ms

Loss rate: 4.27%

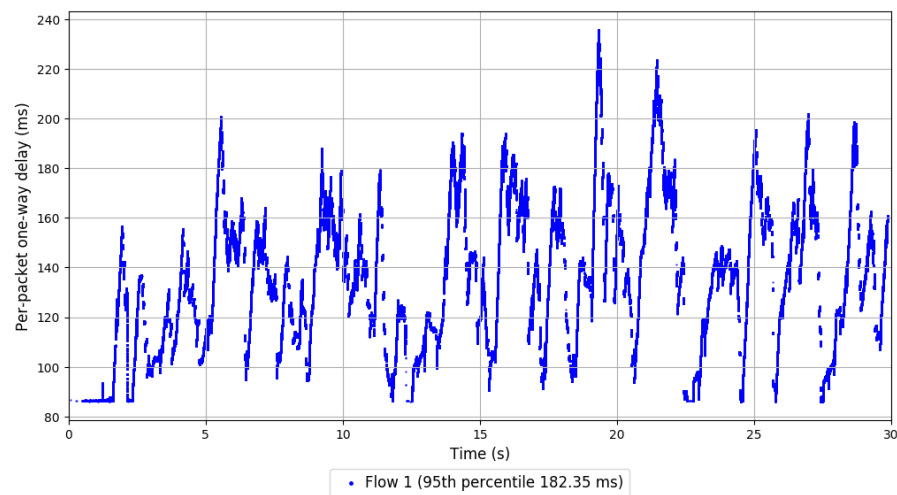
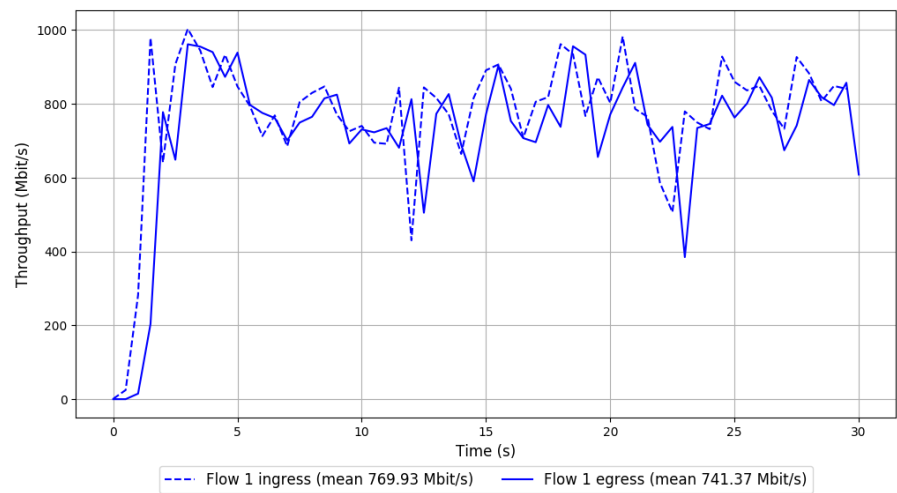
-- Flow 1:

Average throughput: 741.37 Mbit/s

95th percentile per-packet one-way delay: 182.355 ms

Loss rate: 4.27%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-08-10 13:49:59

End at: 2018-08-10 13:50:29

Local clock offset: 0.028 ms

Remote clock offset: 0.109 ms

Below is generated by plot.py at 2018-08-10 15:38:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 756.92 Mbit/s

95th percentile per-packet one-way delay: 182.364 ms

Loss rate: 2.67%

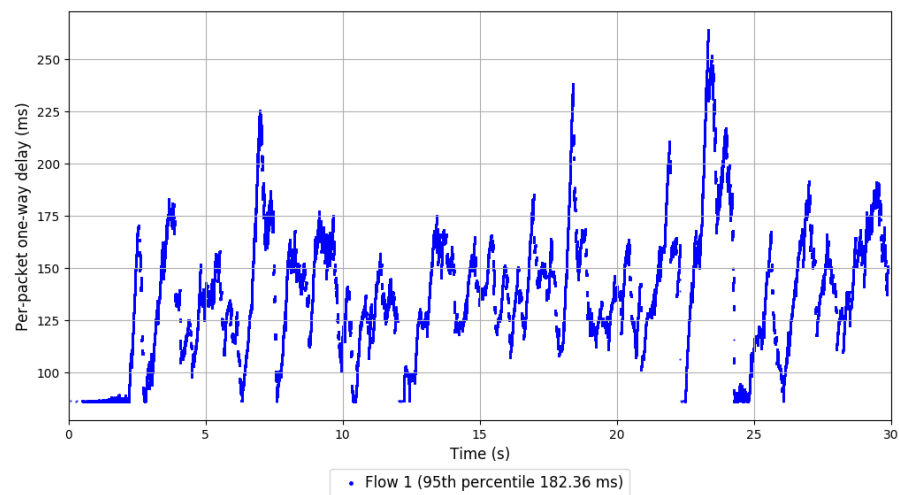
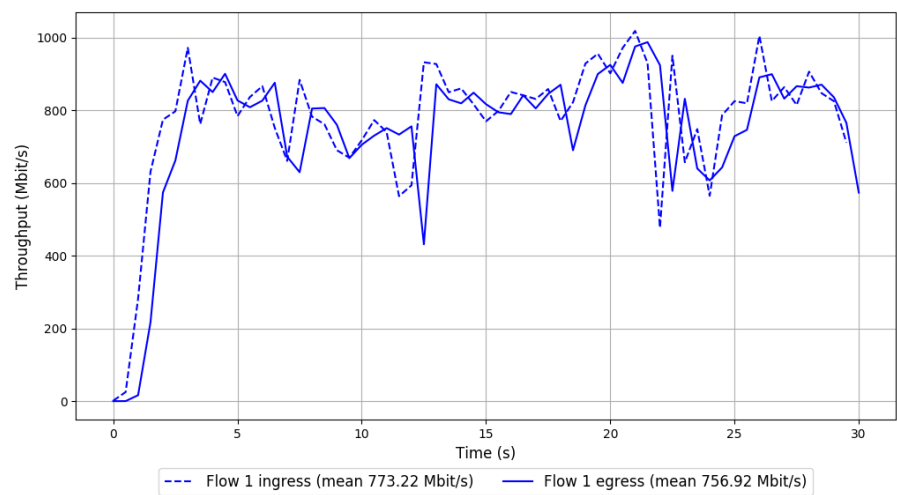
-- Flow 1:

Average throughput: 756.92 Mbit/s

95th percentile per-packet one-way delay: 182.364 ms

Loss rate: 2.67%

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2018-08-10 10:36:12

End at: 2018-08-10 10:36:42

Local clock offset: -0.33 ms

Remote clock offset: -0.151 ms

Below is generated by plot.py at 2018-08-10 15:38:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.90 Mbit/s

95th percentile per-packet one-way delay: 86.328 ms

Loss rate: 0.67%

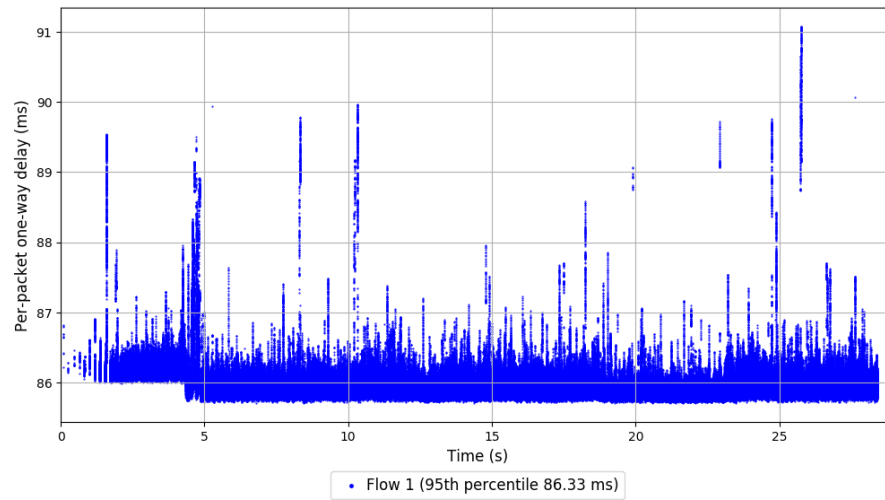
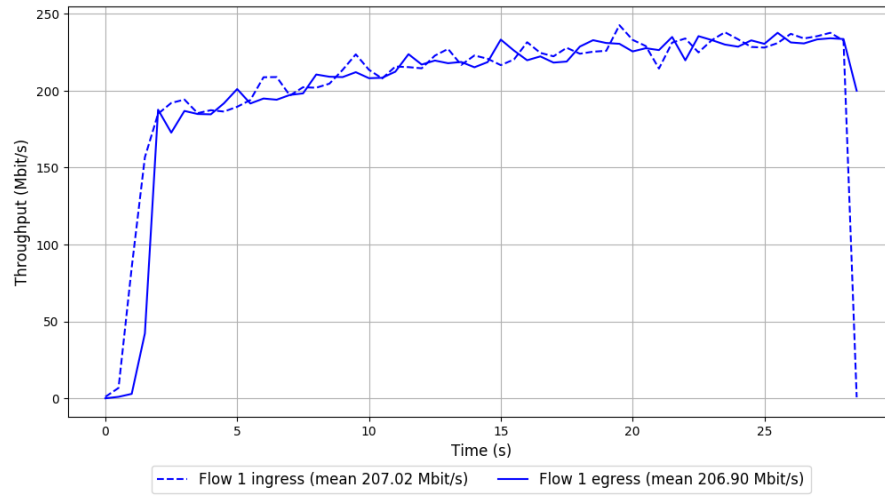
-- Flow 1:

Average throughput: 206.90 Mbit/s

95th percentile per-packet one-way delay: 86.328 ms

Loss rate: 0.67%

Run 1: Report of Indigo — Data Link

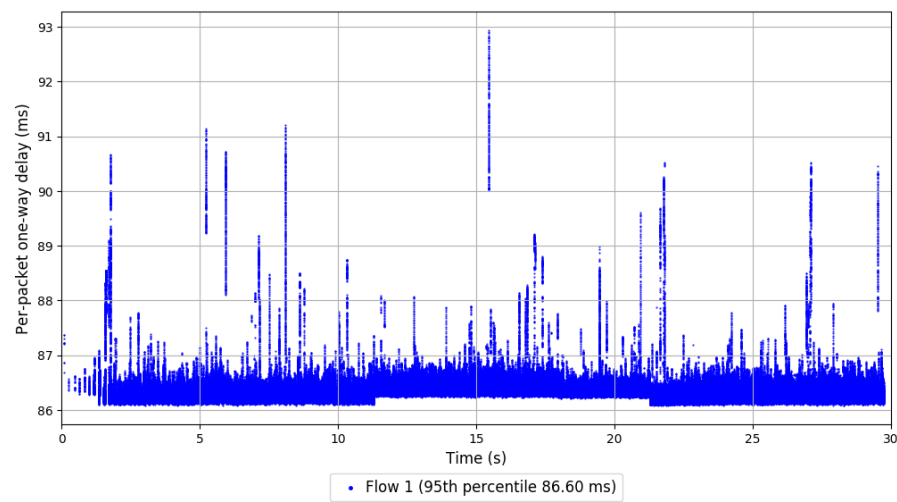
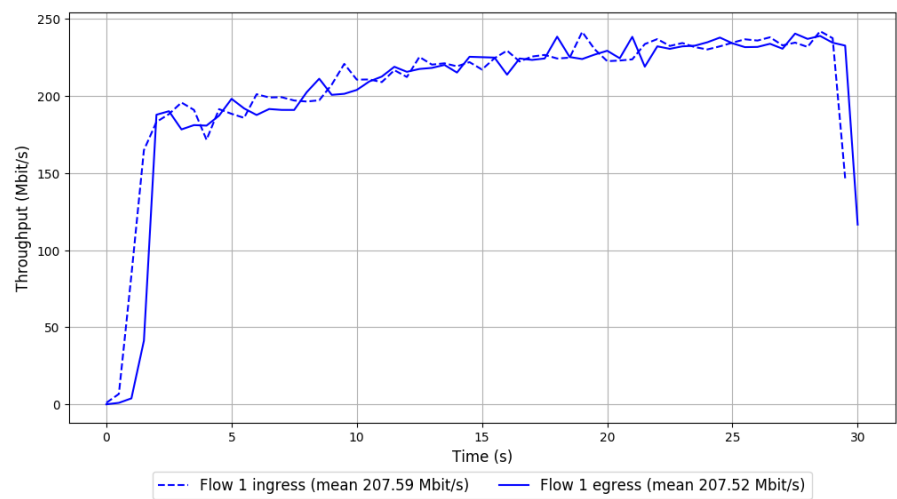


Run 2: Statistics of Indigo

Start at: 2018-08-10 10:59:16
End at: 2018-08-10 10:59:46
Local clock offset: -0.016 ms
Remote clock offset: -0.167 ms

Below is generated by plot.py at 2018-08-10 15:38:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 207.52 Mbit/s
95th percentile per-packet one-way delay: 86.602 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 207.52 Mbit/s
95th percentile per-packet one-way delay: 86.602 ms
Loss rate: 0.61%

Run 2: Report of Indigo — Data Link

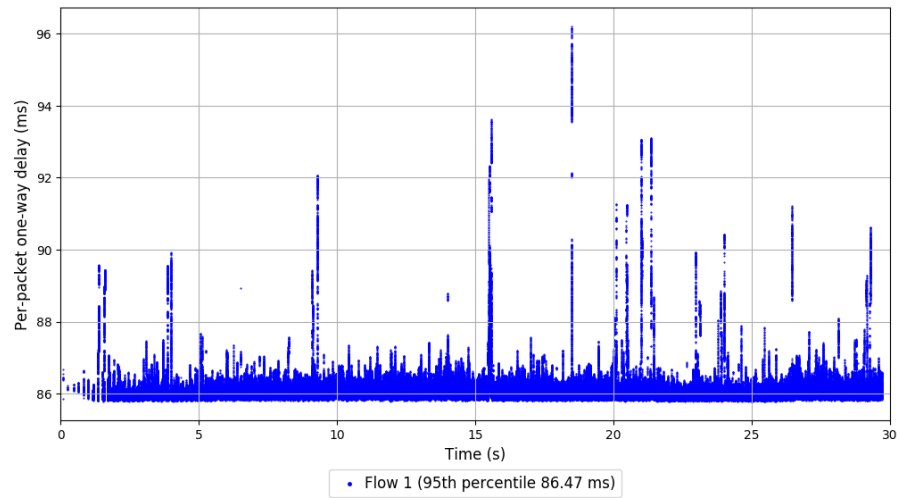
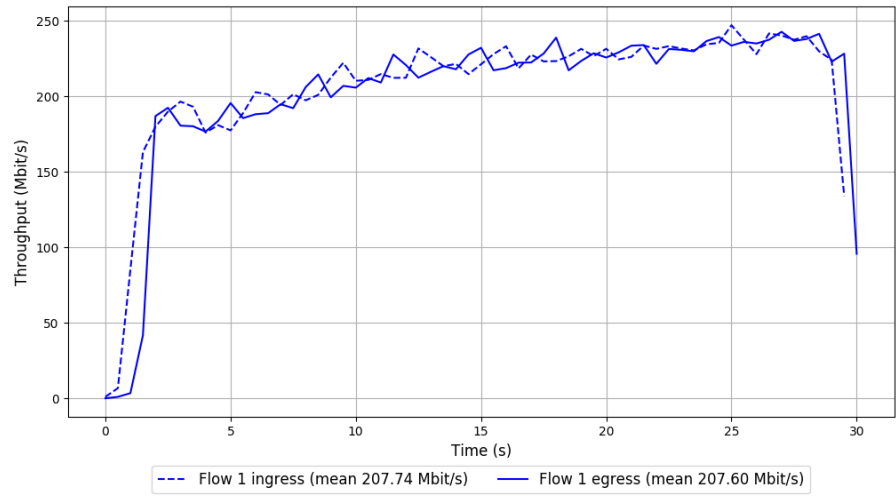


Run 3: Statistics of Indigo

Start at: 2018-08-10 11:22:14
End at: 2018-08-10 11:22:44
Local clock offset: -0.363 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-08-10 15:38:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 207.60 Mbit/s
95th percentile per-packet one-way delay: 86.469 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 207.60 Mbit/s
95th percentile per-packet one-way delay: 86.469 ms
Loss rate: 0.65%

Run 3: Report of Indigo — Data Link

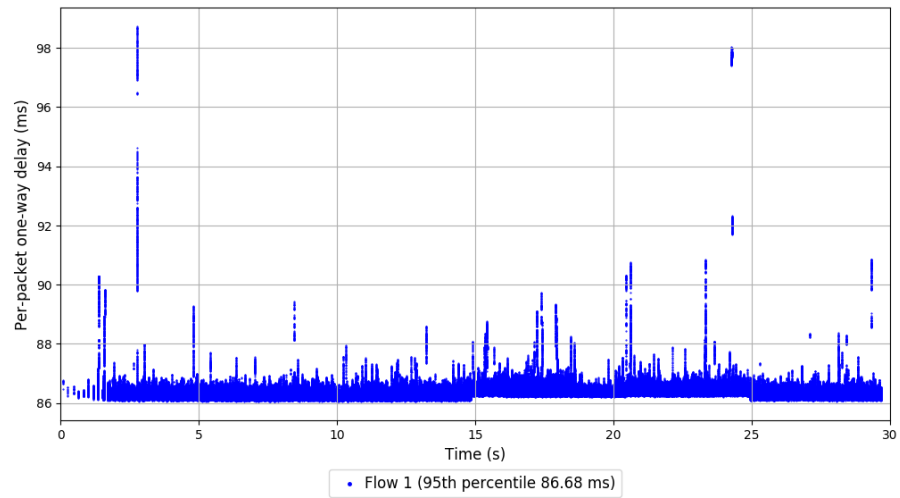
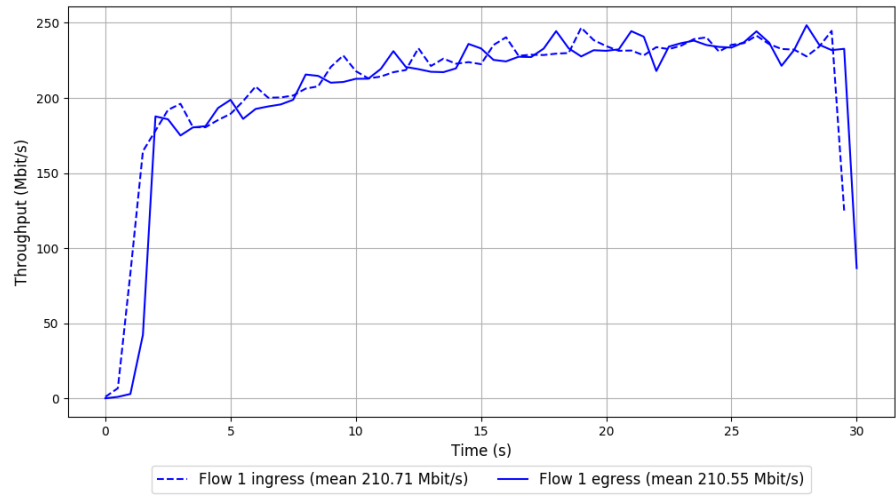


Run 4: Statistics of Indigo

Start at: 2018-08-10 11:45:23
End at: 2018-08-10 11:45:53
Local clock offset: 0.047 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-08-10 15:38:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 210.55 Mbit/s
95th percentile per-packet one-way delay: 86.676 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 210.55 Mbit/s
95th percentile per-packet one-way delay: 86.676 ms
Loss rate: 0.65%

Run 4: Report of Indigo — Data Link

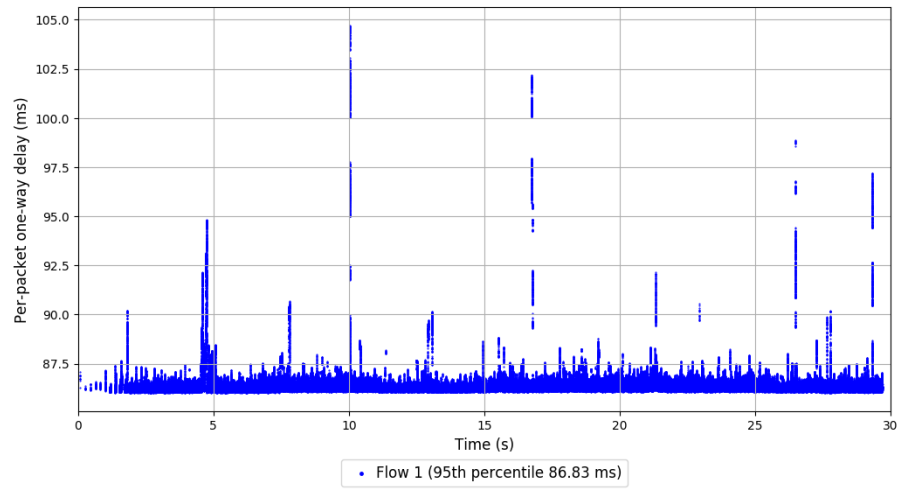
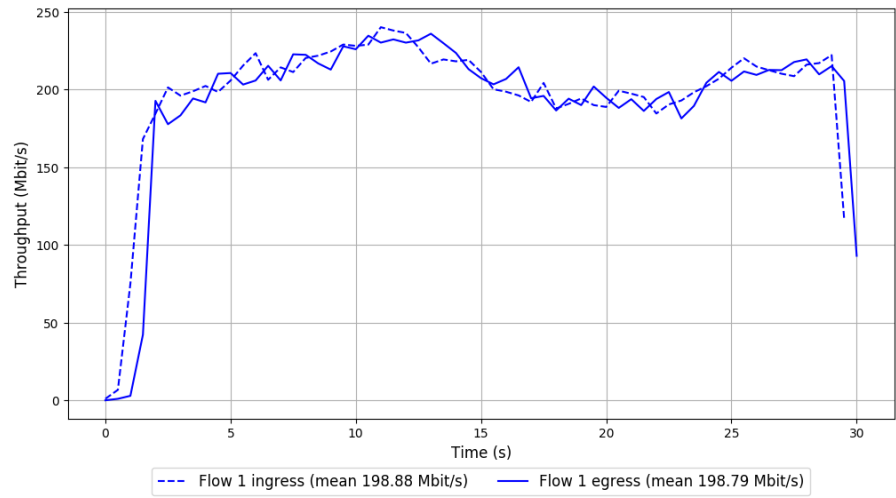


Run 5: Statistics of Indigo

Start at: 2018-08-10 12:08:30
End at: 2018-08-10 12:09:00
Local clock offset: -0.001 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-08-10 15:38:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 198.79 Mbit/s
95th percentile per-packet one-way delay: 86.826 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 198.79 Mbit/s
95th percentile per-packet one-way delay: 86.826 ms
Loss rate: 0.63%

Run 5: Report of Indigo — Data Link

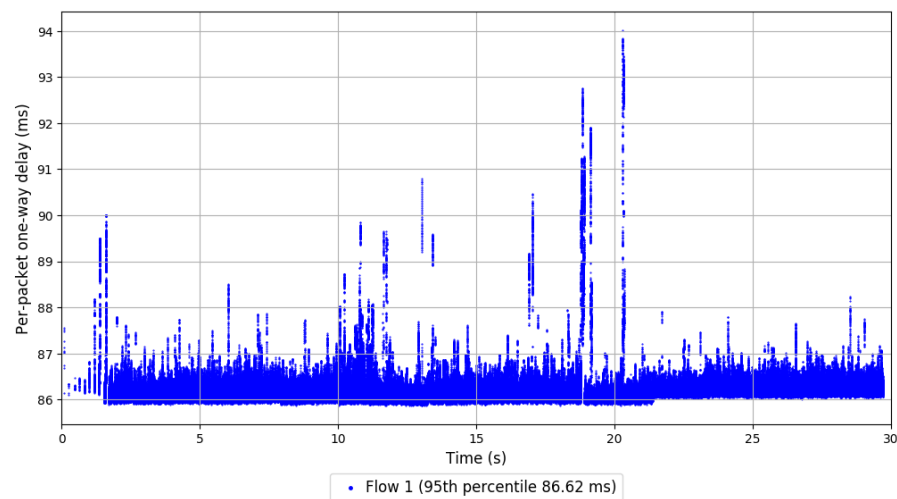
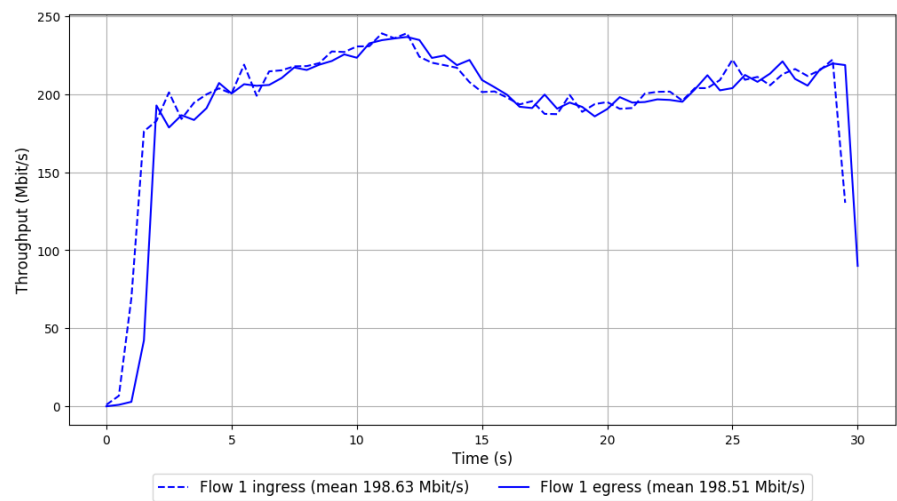


Run 6: Statistics of Indigo

Start at: 2018-08-10 12:31:46
End at: 2018-08-10 12:32:16
Local clock offset: -0.17 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-08-10 15:38:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 198.51 Mbit/s
95th percentile per-packet one-way delay: 86.616 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 198.51 Mbit/s
95th percentile per-packet one-way delay: 86.616 ms
Loss rate: 0.65%

Run 6: Report of Indigo — Data Link

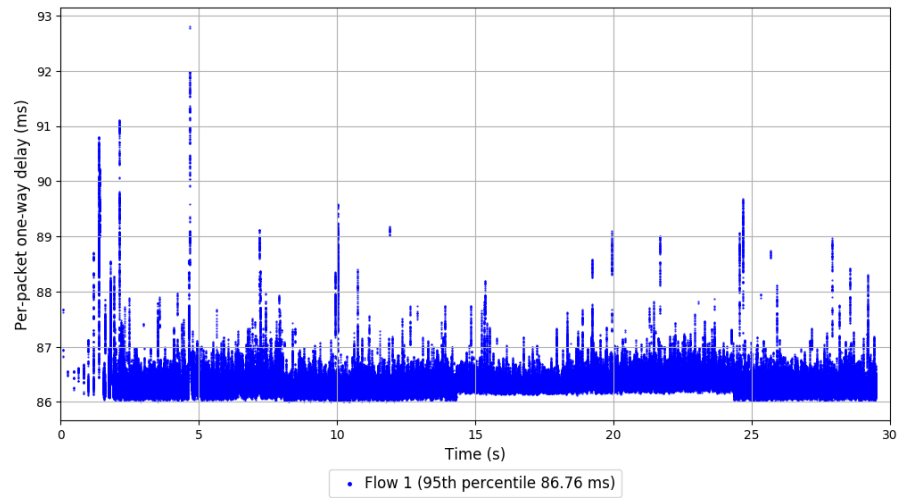
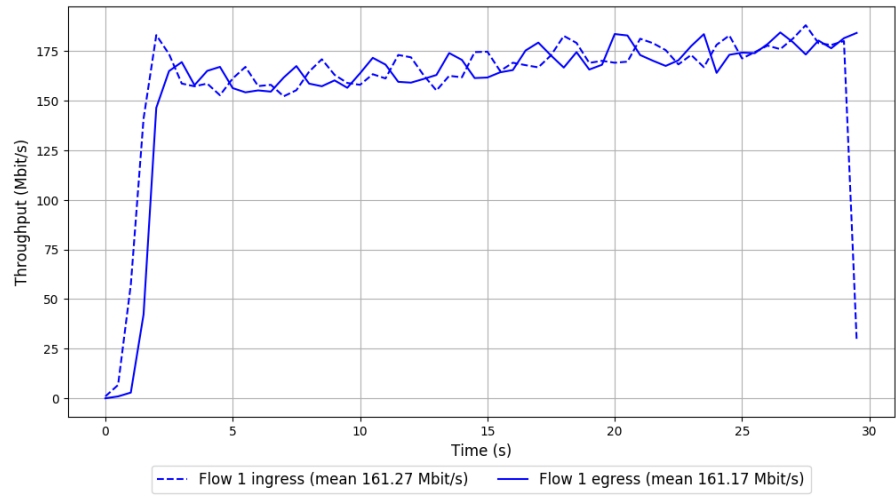


Run 7: Statistics of Indigo

Start at: 2018-08-10 12:54:53
End at: 2018-08-10 12:55:23
Local clock offset: -0.117 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-08-10 15:38:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 161.17 Mbit/s
95th percentile per-packet one-way delay: 86.757 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 161.17 Mbit/s
95th percentile per-packet one-way delay: 86.757 ms
Loss rate: 0.65%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-08-10 13:18:17

End at: 2018-08-10 13:18:47

Local clock offset: -0.146 ms

Remote clock offset: 0.115 ms

Below is generated by plot.py at 2018-08-10 15:38:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 198.07 Mbit/s

95th percentile per-packet one-way delay: 86.543 ms

Loss rate: 0.63%

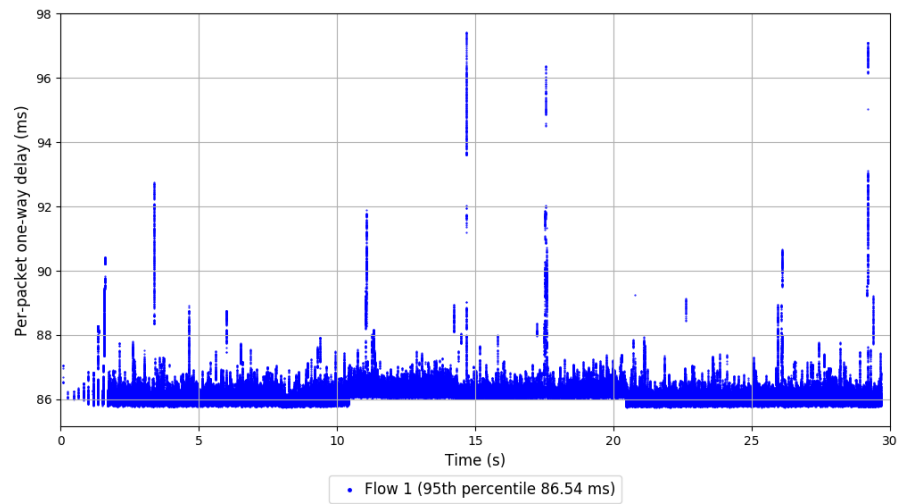
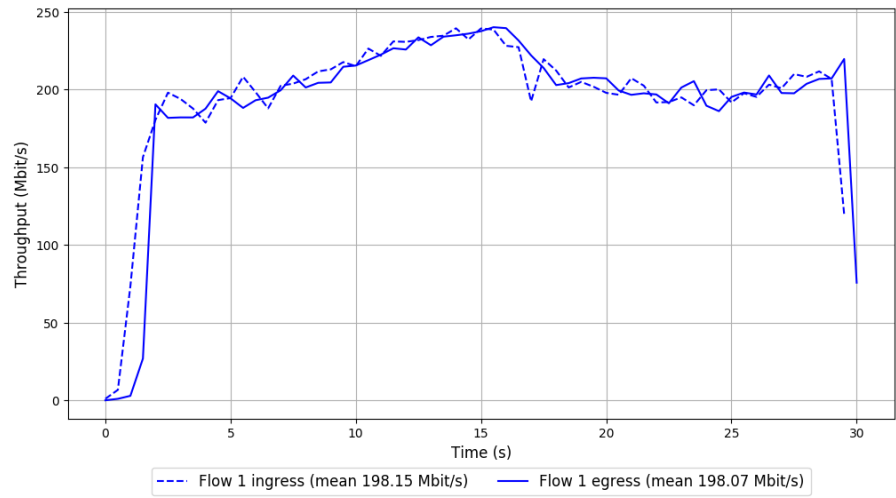
-- Flow 1:

Average throughput: 198.07 Mbit/s

95th percentile per-packet one-way delay: 86.543 ms

Loss rate: 0.63%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-08-10 13:41:11

End at: 2018-08-10 13:41:41

Local clock offset: 0.008 ms

Remote clock offset: 0.11 ms

Below is generated by plot.py at 2018-08-10 15:38:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 204.71 Mbit/s

95th percentile per-packet one-way delay: 87.286 ms

Loss rate: 0.67%

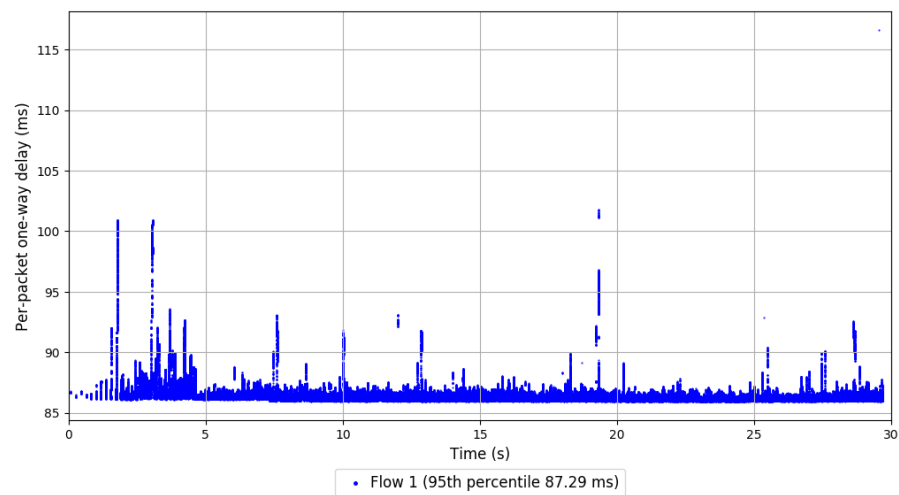
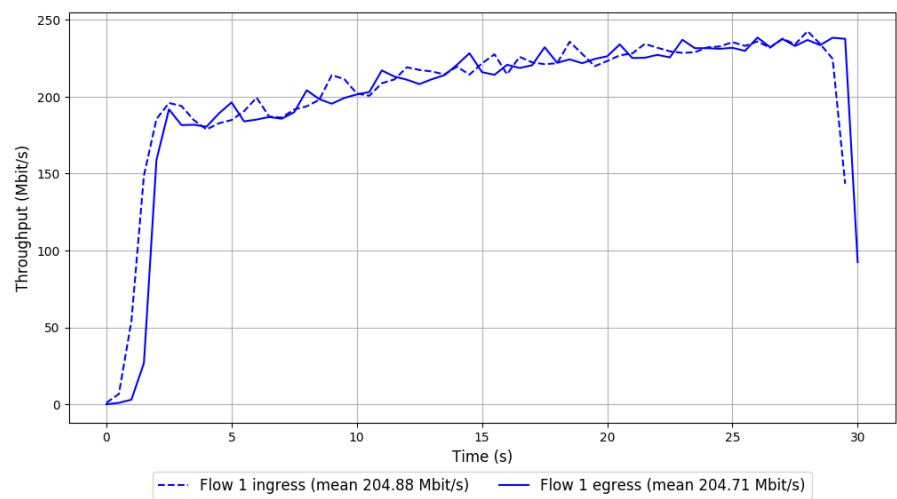
-- Flow 1:

Average throughput: 204.71 Mbit/s

95th percentile per-packet one-way delay: 87.286 ms

Loss rate: 0.67%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-08-10 14:04:18

End at: 2018-08-10 14:04:48

Local clock offset: -0.255 ms

Remote clock offset: 0.142 ms

Below is generated by plot.py at 2018-08-10 15:38:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.65 Mbit/s

95th percentile per-packet one-way delay: 86.705 ms

Loss rate: 0.60%

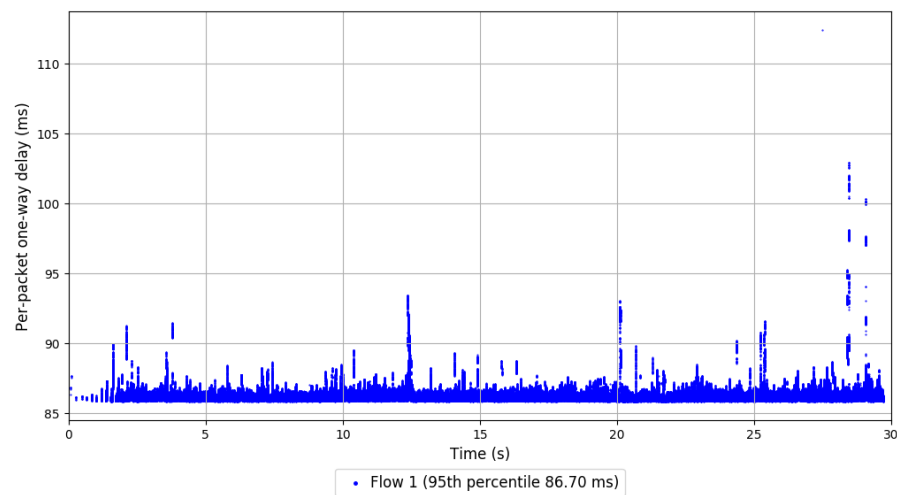
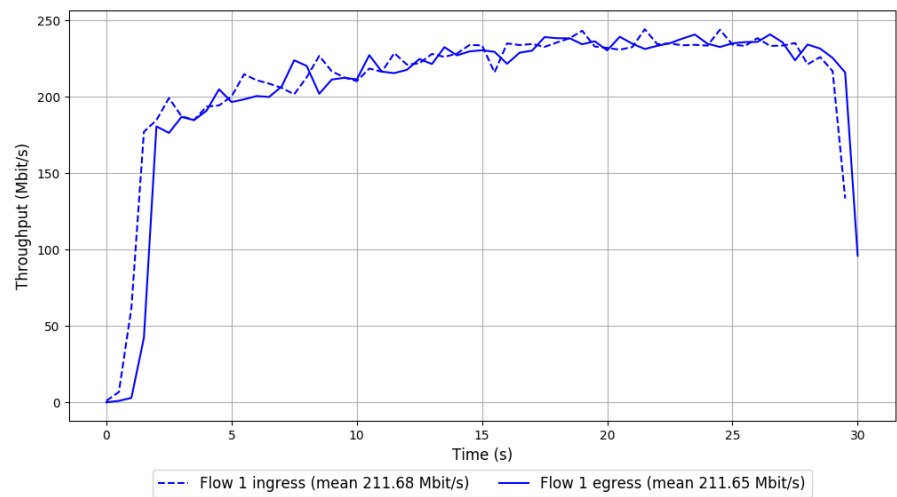
-- Flow 1:

Average throughput: 211.65 Mbit/s

95th percentile per-packet one-way delay: 86.705 ms

Loss rate: 0.60%

Run 10: Report of Indigo — Data Link

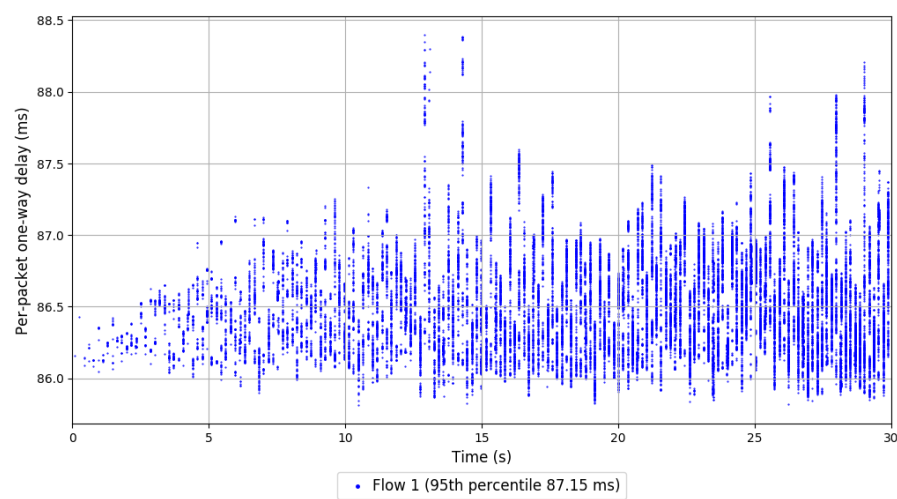
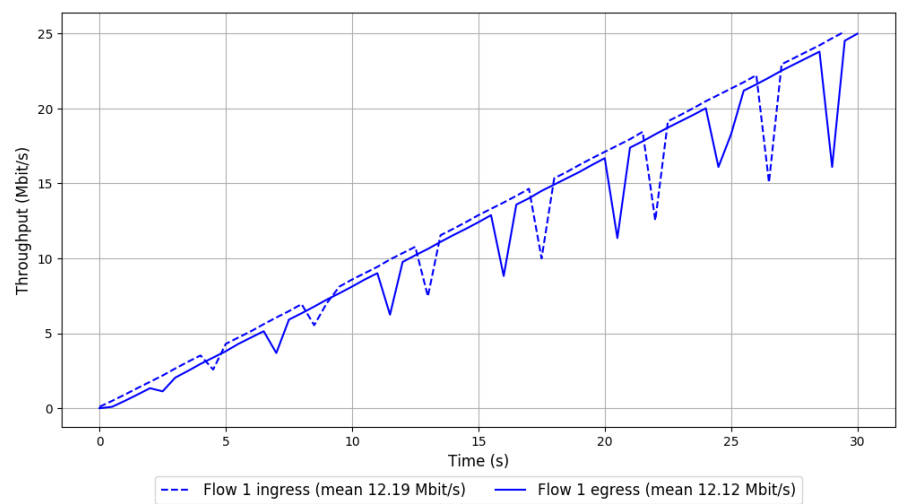


Run 1: Statistics of LEDBAT

Start at: 2018-08-10 10:27:33
End at: 2018-08-10 10:28:03
Local clock offset: -0.425 ms
Remote clock offset: -0.169 ms

Below is generated by plot.py at 2018-08-10 15:38:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.12 Mbit/s
95th percentile per-packet one-way delay: 87.153 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 12.12 Mbit/s
95th percentile per-packet one-way delay: 87.153 ms
Loss rate: 1.15%

Run 1: Report of LEDBAT — Data Link

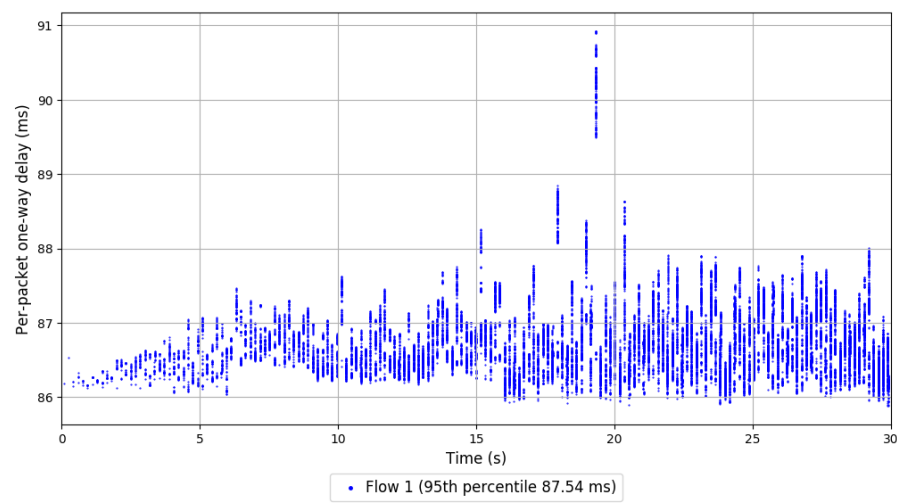
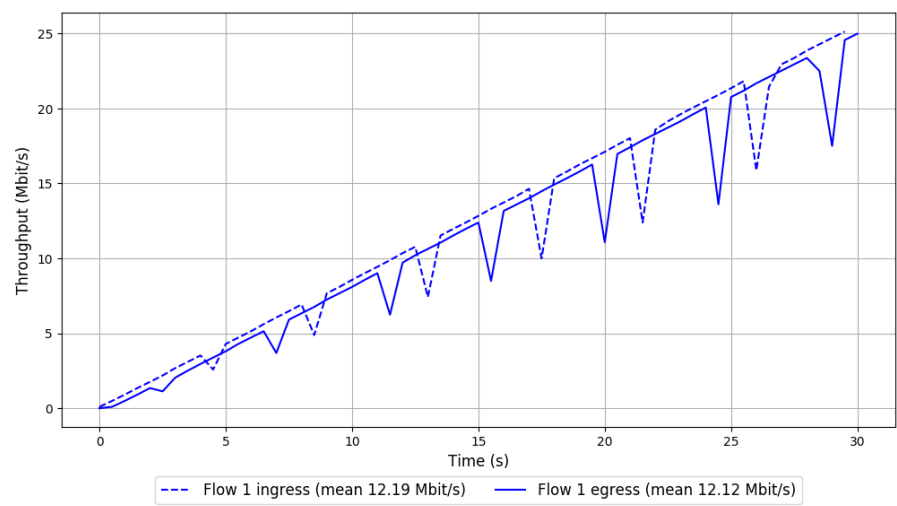


Run 2: Statistics of LEDBAT

Start at: 2018-08-10 10:50:42
End at: 2018-08-10 10:51:12
Local clock offset: -0.121 ms
Remote clock offset: -0.168 ms

Below is generated by plot.py at 2018-08-10 15:38:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.12 Mbit/s
95th percentile per-packet one-way delay: 87.542 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 12.12 Mbit/s
95th percentile per-packet one-way delay: 87.542 ms
Loss rate: 1.15%

Run 2: Report of LEDBAT — Data Link

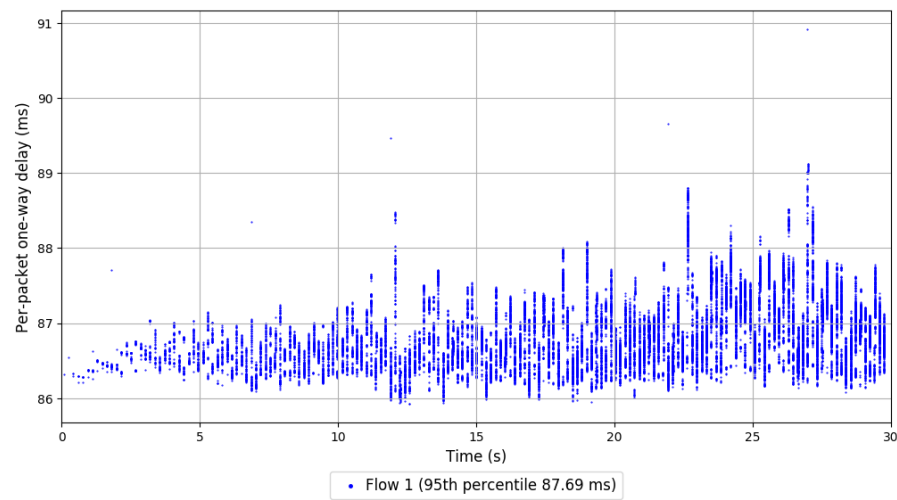
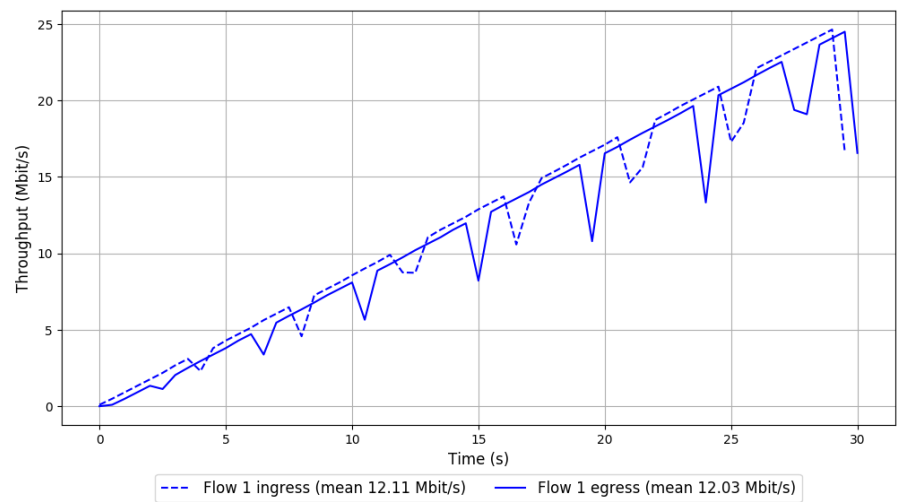


Run 3: Statistics of LEDBAT

Start at: 2018-08-10 11:13:46
End at: 2018-08-10 11:14:16
Local clock offset: -0.194 ms
Remote clock offset: -0.147 ms

Below is generated by plot.py at 2018-08-10 15:38:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.03 Mbit/s
95th percentile per-packet one-way delay: 87.687 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 12.03 Mbit/s
95th percentile per-packet one-way delay: 87.687 ms
Loss rate: 1.16%

Run 3: Report of LEDBAT — Data Link

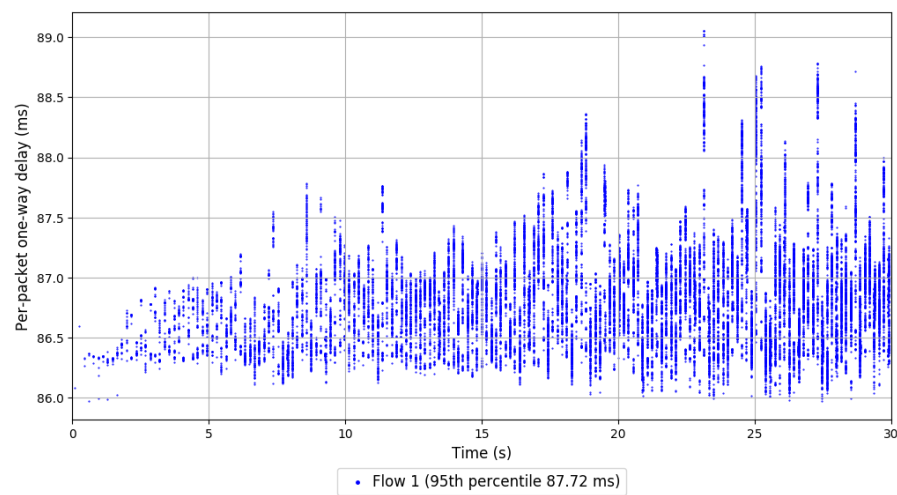
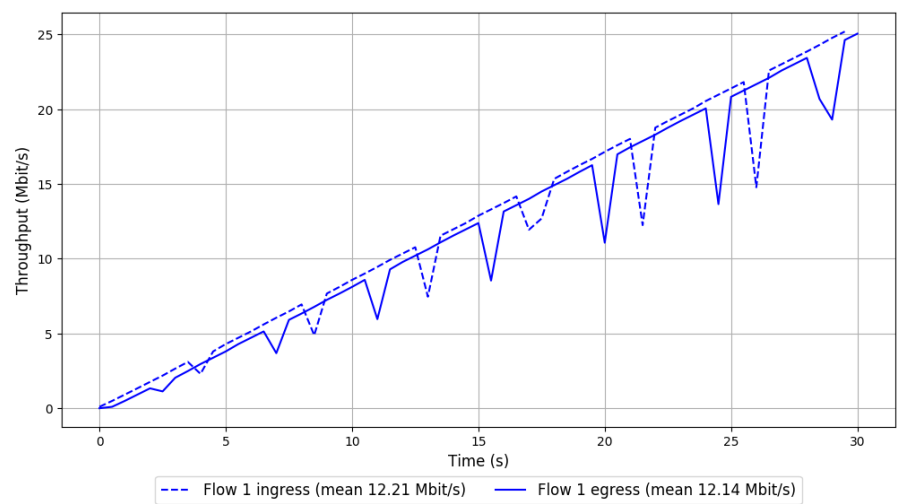


Run 4: Statistics of LEDBAT

Start at: 2018-08-10 11:36:43
End at: 2018-08-10 11:37:13
Local clock offset: -0.129 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-08-10 15:38:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.14 Mbit/s
95th percentile per-packet one-way delay: 87.718 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 12.14 Mbit/s
95th percentile per-packet one-way delay: 87.718 ms
Loss rate: 1.15%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-08-10 11:59:59

End at: 2018-08-10 12:00:29

Local clock offset: -0.117 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-08-10 15:38:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.09 Mbit/s

95th percentile per-packet one-way delay: 87.778 ms

Loss rate: 1.15%

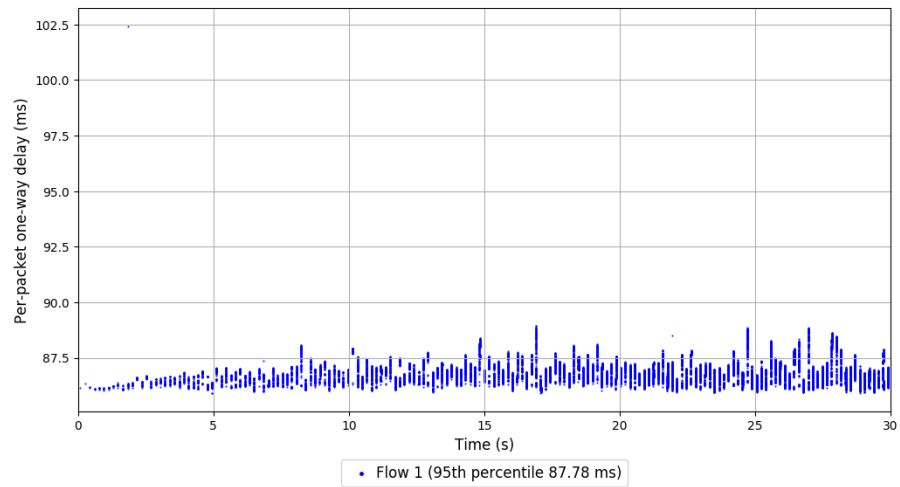
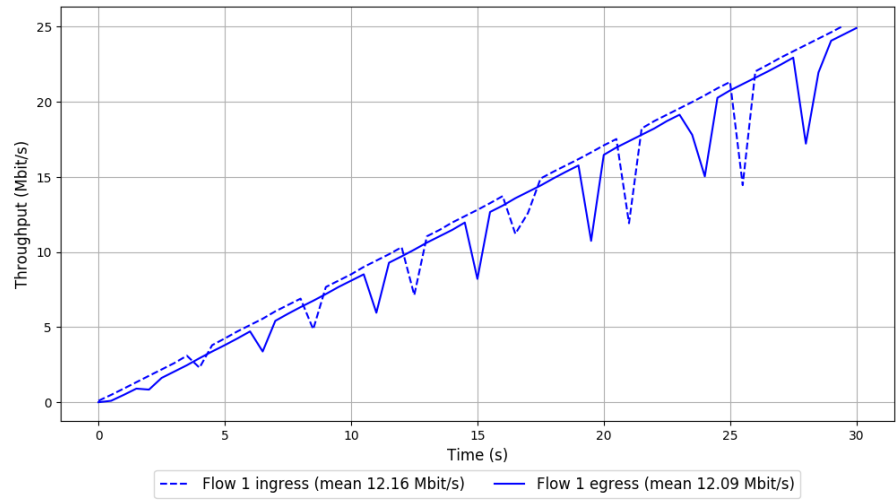
-- Flow 1:

Average throughput: 12.09 Mbit/s

95th percentile per-packet one-way delay: 87.778 ms

Loss rate: 1.15%

Run 5: Report of LEDBAT — Data Link

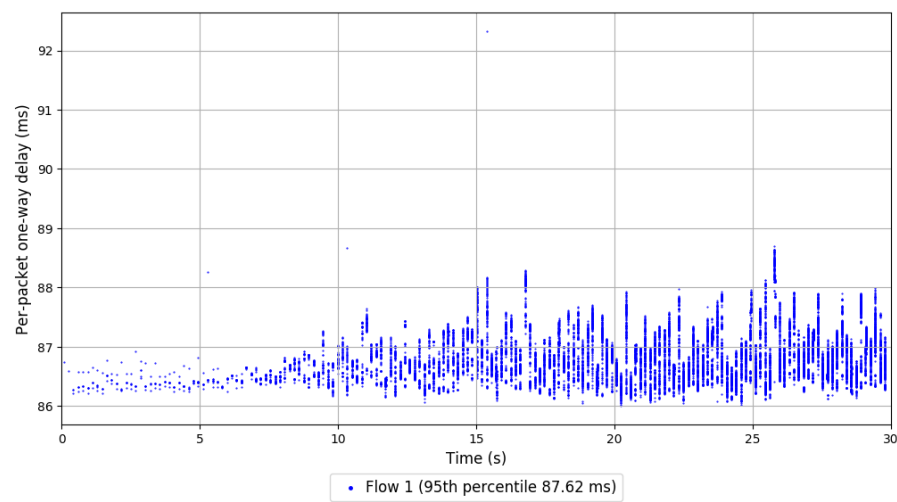
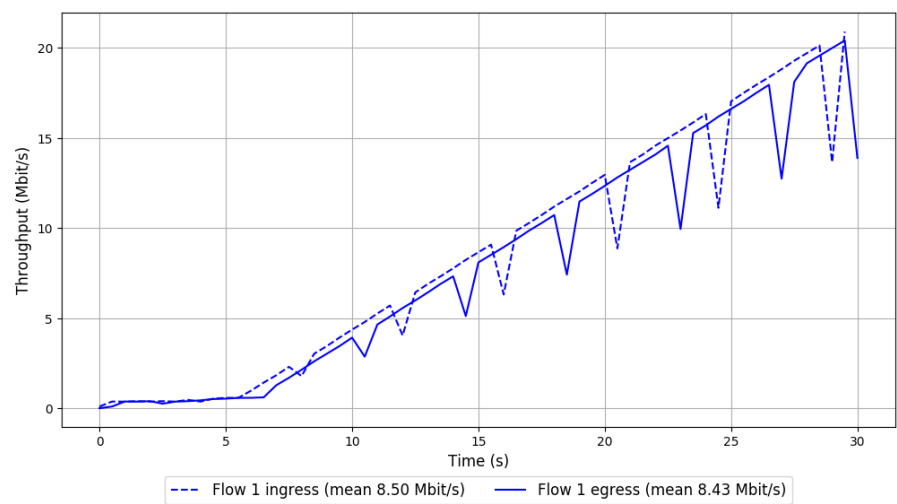


Run 6: Statistics of LEDBAT

Start at: 2018-08-10 12:23:02
End at: 2018-08-10 12:23:32
Local clock offset: -0.025 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-08-10 15:38:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 8.43 Mbit/s
95th percentile per-packet one-way delay: 87.624 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 8.43 Mbit/s
95th percentile per-packet one-way delay: 87.624 ms
Loss rate: 1.38%

Run 6: Report of LEDBAT — Data Link

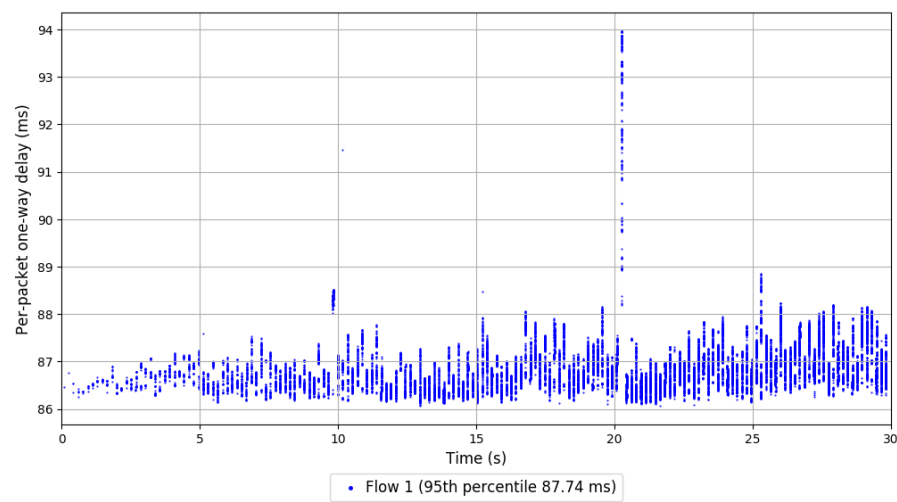
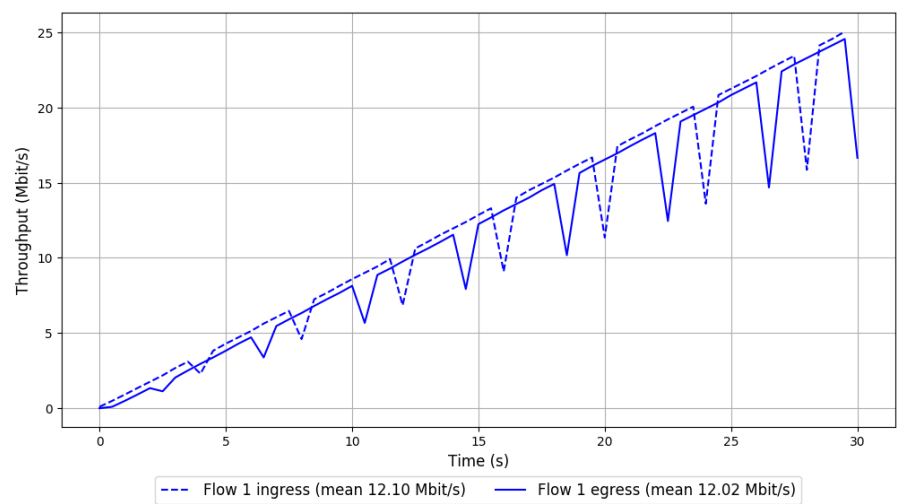


Run 7: Statistics of LEDBAT

Start at: 2018-08-10 12:46:12
End at: 2018-08-10 12:46:42
Local clock offset: -0.073 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2018-08-10 15:38:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.02 Mbit/s
95th percentile per-packet one-way delay: 87.741 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 12.02 Mbit/s
95th percentile per-packet one-way delay: 87.741 ms
Loss rate: 1.16%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-08-10 13:09:40

End at: 2018-08-10 13:10:10

Local clock offset: 0.083 ms

Remote clock offset: 0.064 ms

Below is generated by plot.py at 2018-08-10 15:38:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 86.888 ms

Loss rate: 0.61%

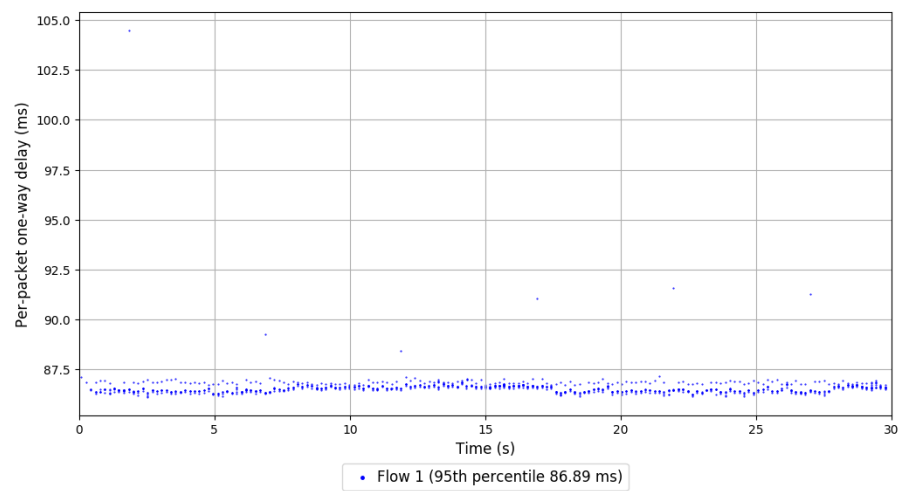
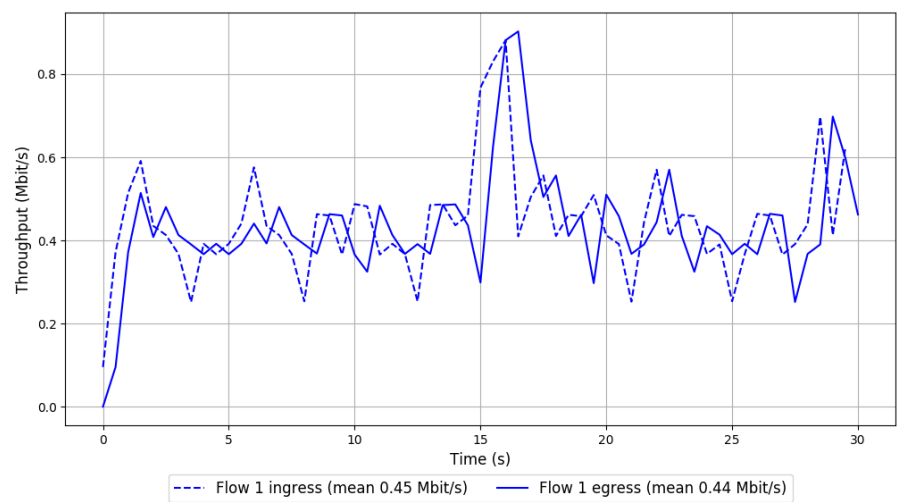
-- Flow 1:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 86.888 ms

Loss rate: 0.61%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-08-10 13:32:42

End at: 2018-08-10 13:33:12

Local clock offset: -0.102 ms

Remote clock offset: 0.13 ms

Below is generated by plot.py at 2018-08-10 15:38:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.04 Mbit/s

95th percentile per-packet one-way delay: 87.614 ms

Loss rate: 1.16%

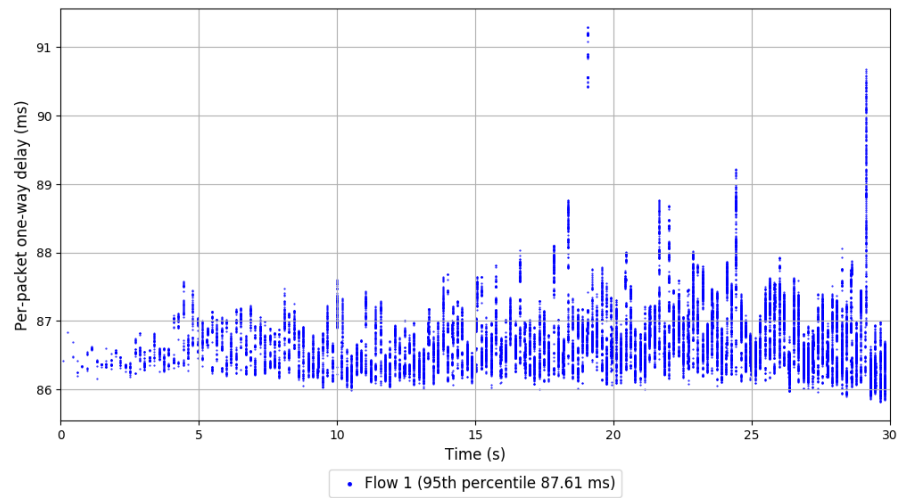
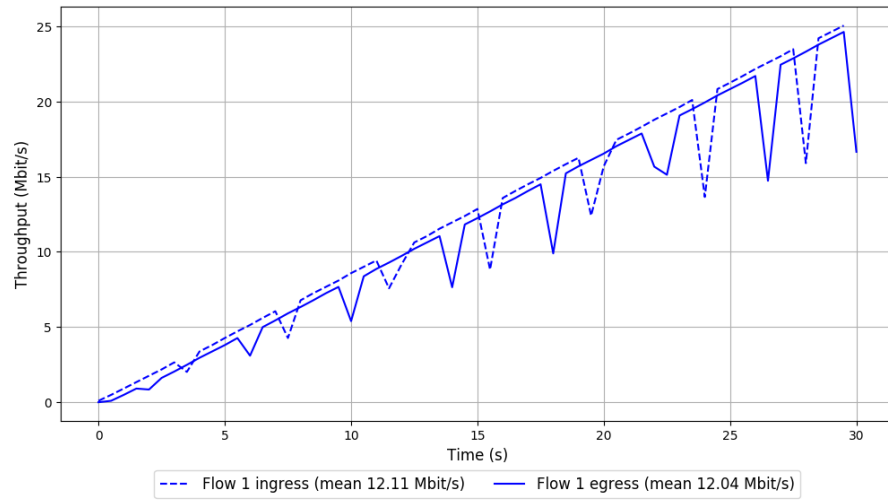
-- Flow 1:

Average throughput: 12.04 Mbit/s

95th percentile per-packet one-way delay: 87.614 ms

Loss rate: 1.16%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-08-10 13:55:49

End at: 2018-08-10 13:56:19

Local clock offset: -0.184 ms

Remote clock offset: 0.154 ms

Below is generated by plot.py at 2018-08-10 15:38:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.02 Mbit/s

95th percentile per-packet one-way delay: 87.097 ms

Loss rate: 1.16%

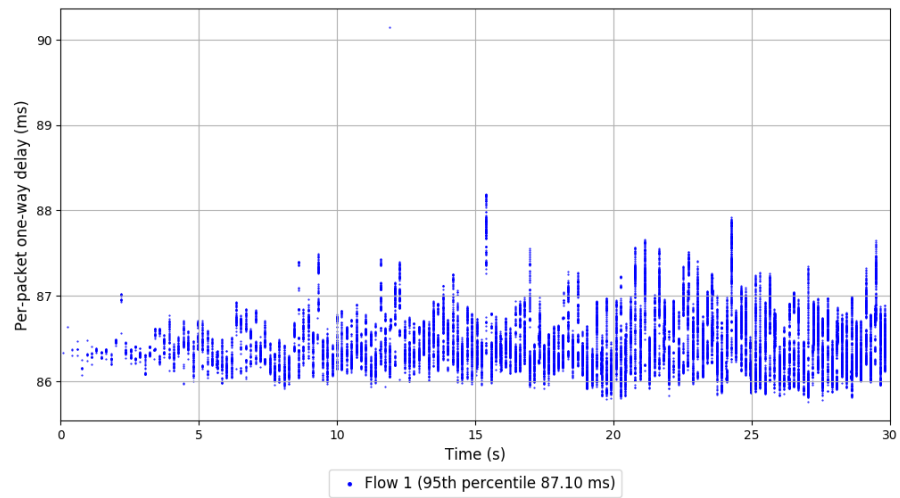
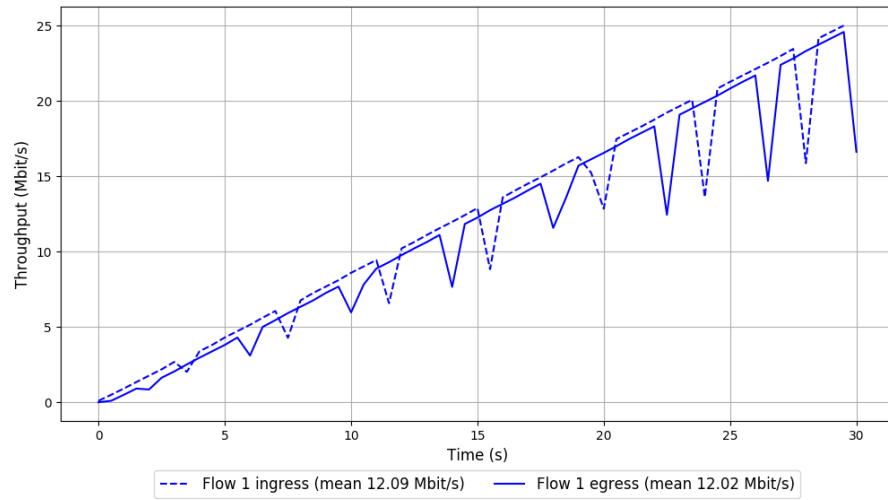
-- Flow 1:

Average throughput: 12.02 Mbit/s

95th percentile per-packet one-way delay: 87.097 ms

Loss rate: 1.16%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-08-10 10:34:46

End at: 2018-08-10 10:35:16

Local clock offset: -0.127 ms

Remote clock offset: -0.197 ms

Below is generated by plot.py at 2018-08-10 15:42:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 492.72 Mbit/s

95th percentile per-packet one-way delay: 124.611 ms

Loss rate: 1.51%

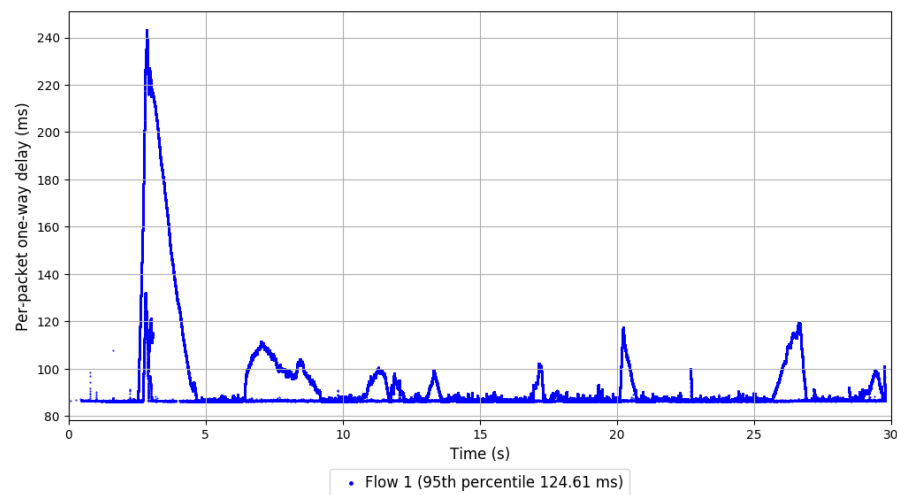
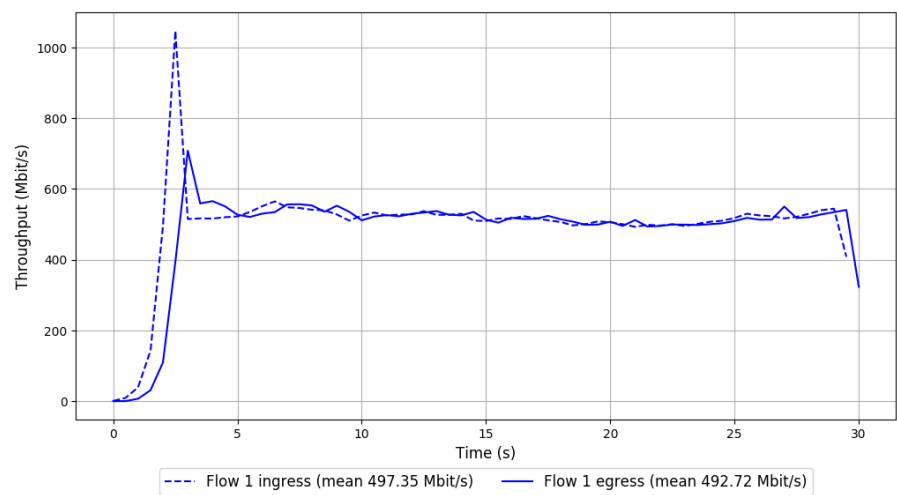
-- Flow 1:

Average throughput: 492.72 Mbit/s

95th percentile per-packet one-way delay: 124.611 ms

Loss rate: 1.51%

Run 1: Report of PCC-Allegro — Data Link

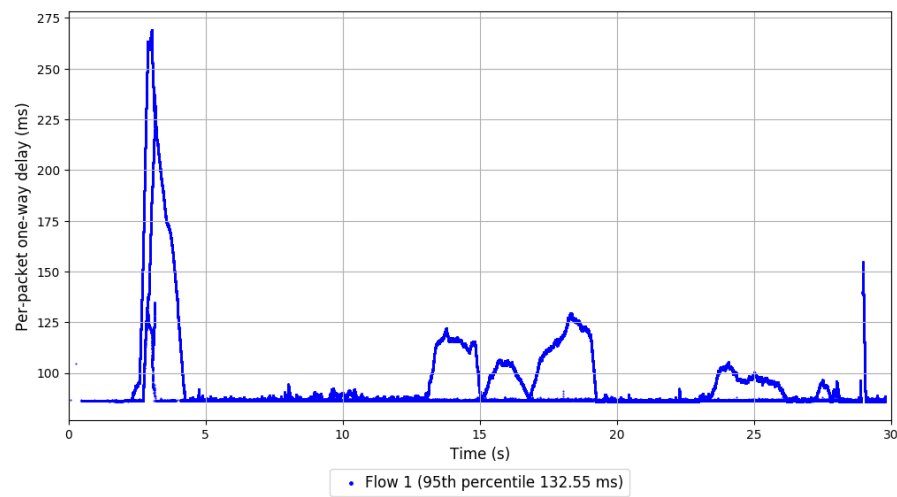
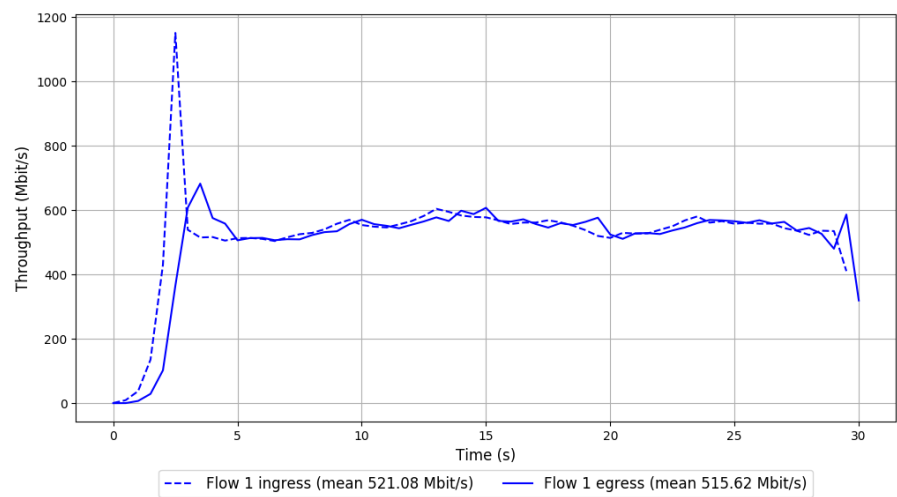


Run 2: Statistics of PCC-Allegro

Start at: 2018-08-10 10:57:50
End at: 2018-08-10 10:58:20
Local clock offset: -0.151 ms
Remote clock offset: -0.162 ms

Below is generated by plot.py at 2018-08-10 15:43:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 515.62 Mbit/s
95th percentile per-packet one-way delay: 132.548 ms
Loss rate: 1.62%
-- Flow 1:
Average throughput: 515.62 Mbit/s
95th percentile per-packet one-way delay: 132.548 ms
Loss rate: 1.62%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-08-10 11:20:48

End at: 2018-08-10 11:21:18

Local clock offset: 0.071 ms

Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-08-10 15:43:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 506.18 Mbit/s

95th percentile per-packet one-way delay: 119.001 ms

Loss rate: 1.56%

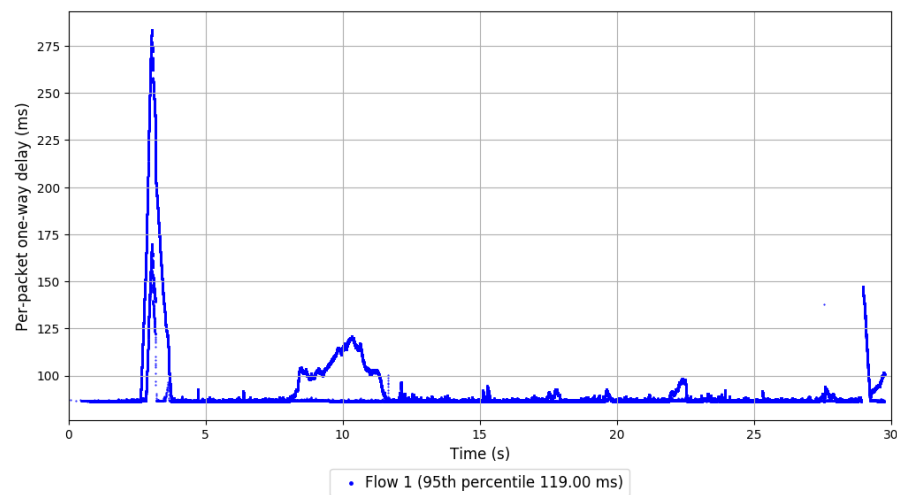
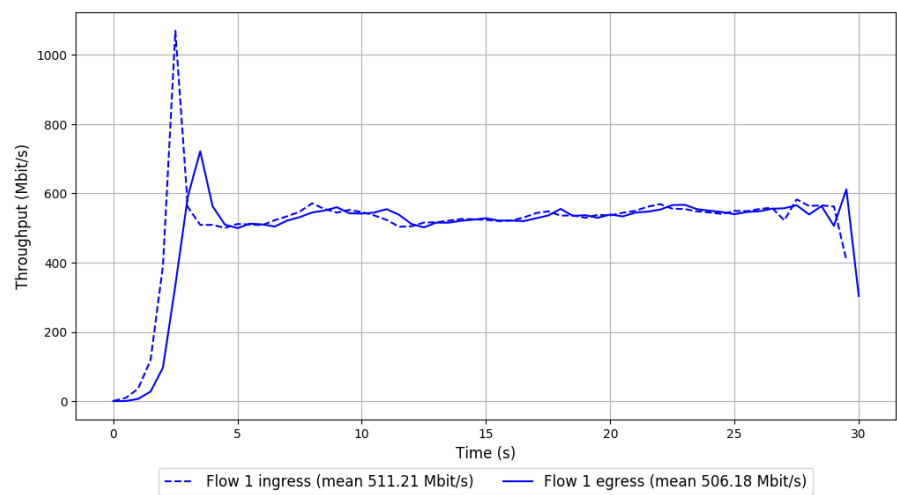
-- Flow 1:

Average throughput: 506.18 Mbit/s

95th percentile per-packet one-way delay: 119.001 ms

Loss rate: 1.56%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-08-10 11:43:58

End at: 2018-08-10 11:44:28

Local clock offset: -0.253 ms

Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-08-10 15:44:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 496.78 Mbit/s

95th percentile per-packet one-way delay: 183.036 ms

Loss rate: 1.55%

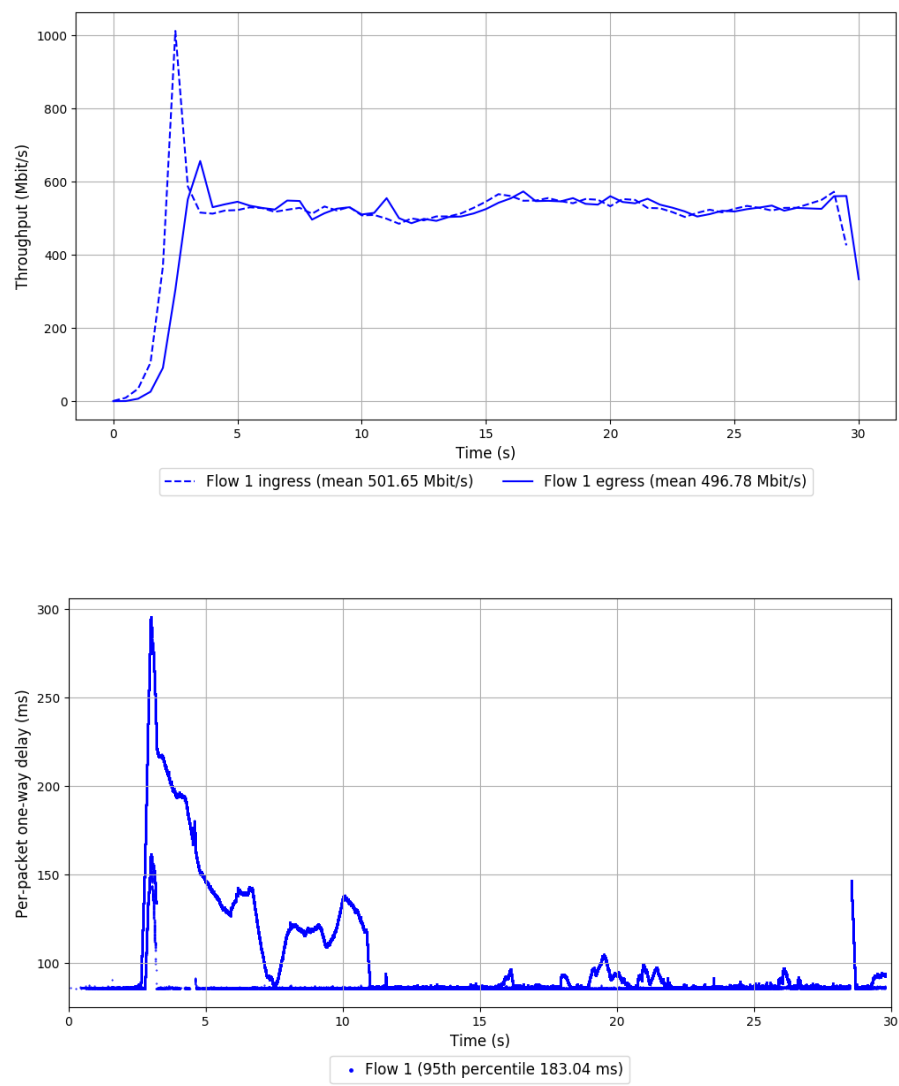
-- Flow 1:

Average throughput: 496.78 Mbit/s

95th percentile per-packet one-way delay: 183.036 ms

Loss rate: 1.55%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-08-10 12:07:05

End at: 2018-08-10 12:07:35

Local clock offset: 0.063 ms

Remote clock offset: 0.051 ms

Below is generated by plot.py at 2018-08-10 15:45:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 498.36 Mbit/s

95th percentile per-packet one-way delay: 104.689 ms

Loss rate: 1.35%

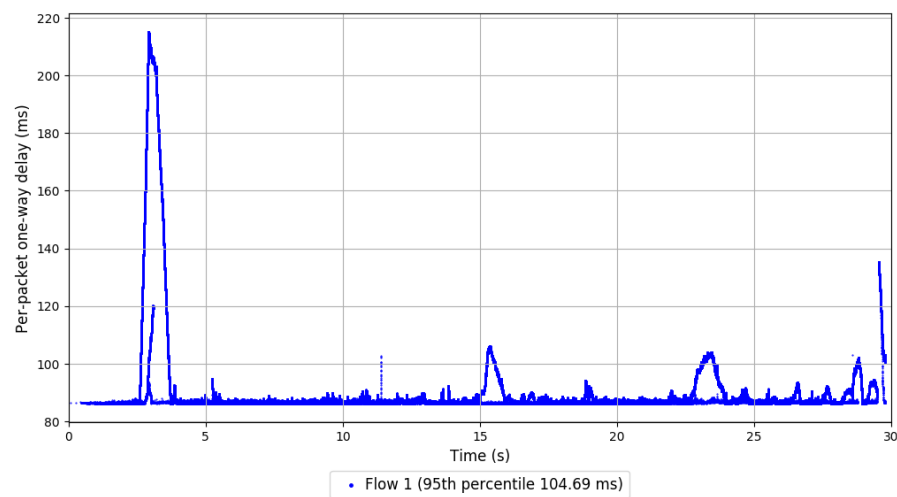
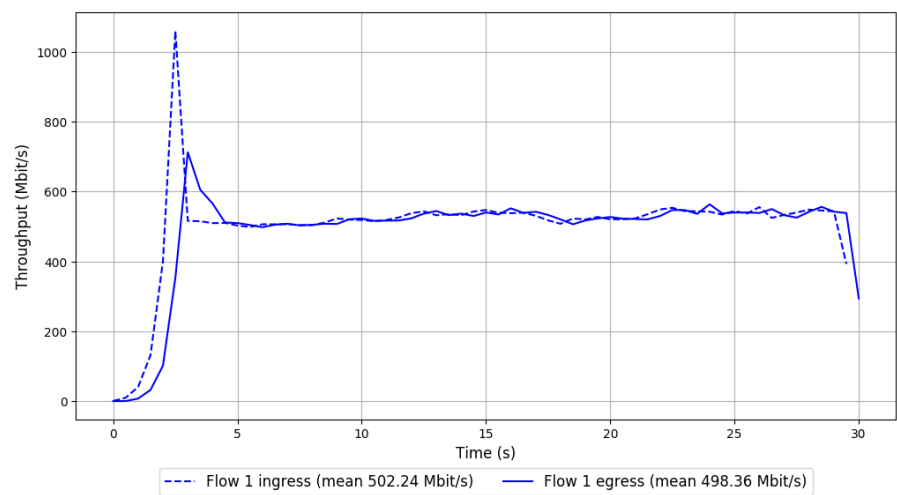
-- Flow 1:

Average throughput: 498.36 Mbit/s

95th percentile per-packet one-way delay: 104.689 ms

Loss rate: 1.35%

Run 5: Report of PCC-Allegro — Data Link

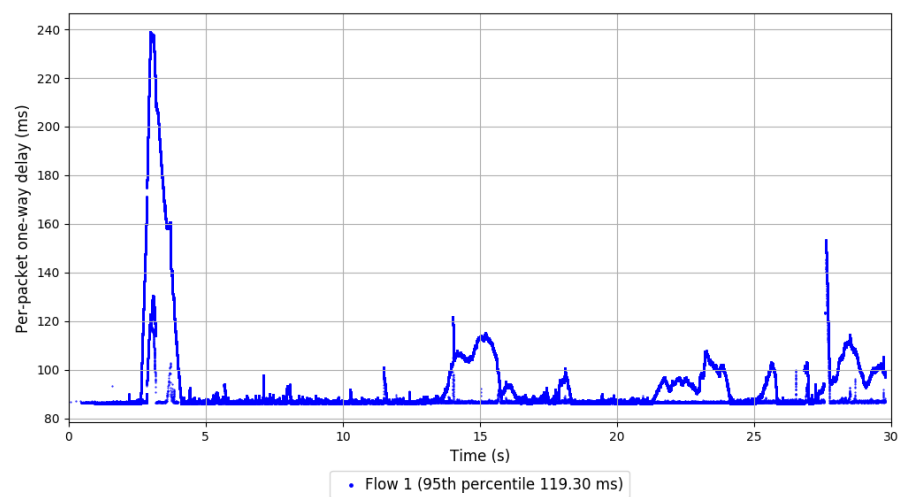
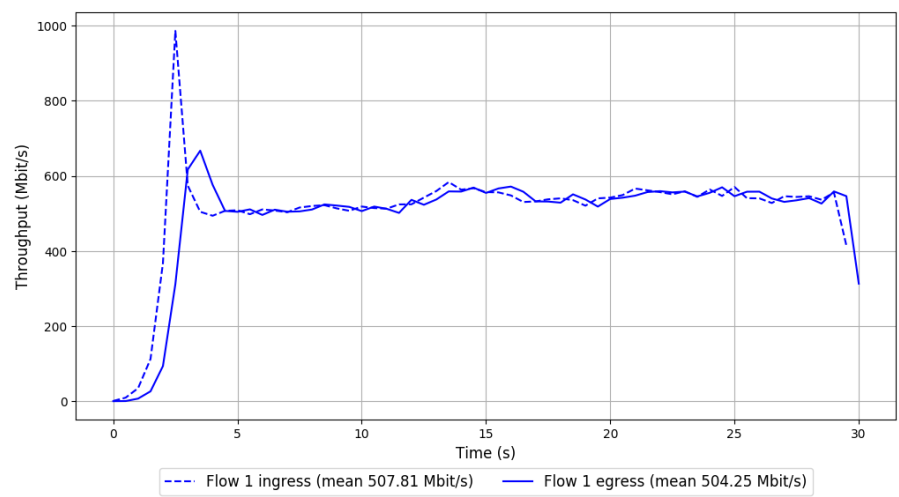


Run 6: Statistics of PCC-Allegro

Start at: 2018-08-10 12:30:20
End at: 2018-08-10 12:30:50
Local clock offset: -0.124 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-08-10 15:46:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 504.25 Mbit/s
95th percentile per-packet one-way delay: 119.298 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 504.25 Mbit/s
95th percentile per-packet one-way delay: 119.298 ms
Loss rate: 1.33%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-08-10 12:53:28

End at: 2018-08-10 12:53:58

Local clock offset: -0.2 ms

Remote clock offset: -0.152 ms

Below is generated by plot.py at 2018-08-10 15:47:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 485.58 Mbit/s

95th percentile per-packet one-way delay: 134.899 ms

Loss rate: 1.35%

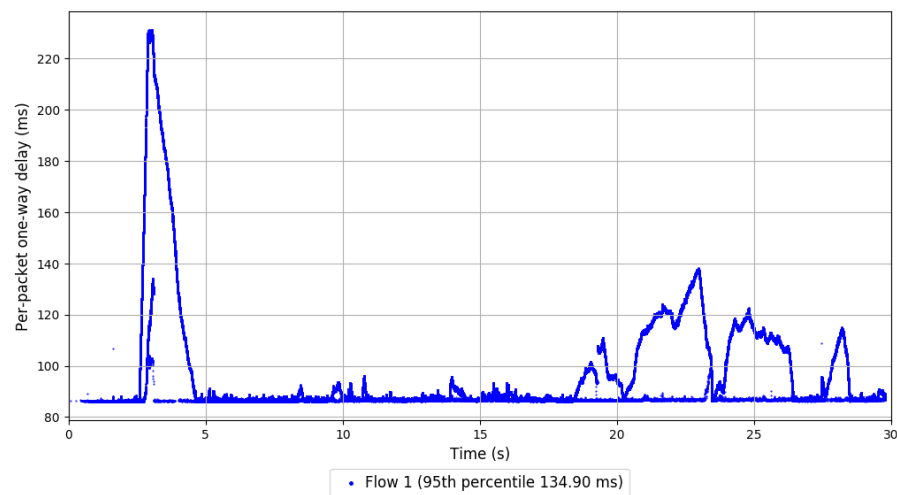
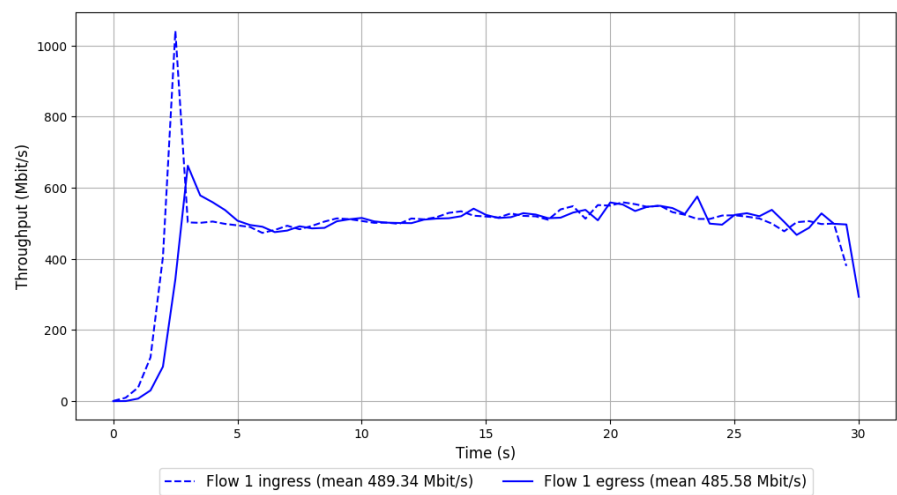
-- Flow 1:

Average throughput: 485.58 Mbit/s

95th percentile per-packet one-way delay: 134.899 ms

Loss rate: 1.35%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-08-10 13:16:52

End at: 2018-08-10 13:17:22

Local clock offset: -0.096 ms

Remote clock offset: 0.09 ms

Below is generated by plot.py at 2018-08-10 15:48:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 490.41 Mbit/s

95th percentile per-packet one-way delay: 118.302 ms

Loss rate: 1.86%

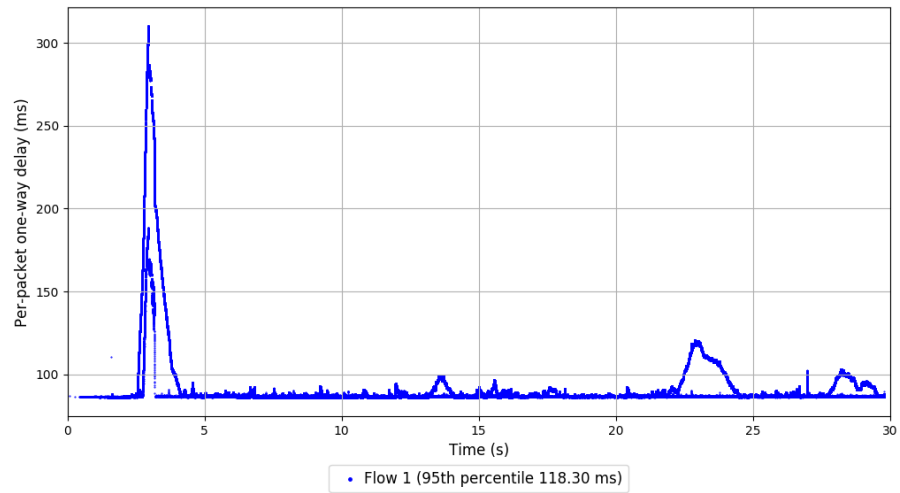
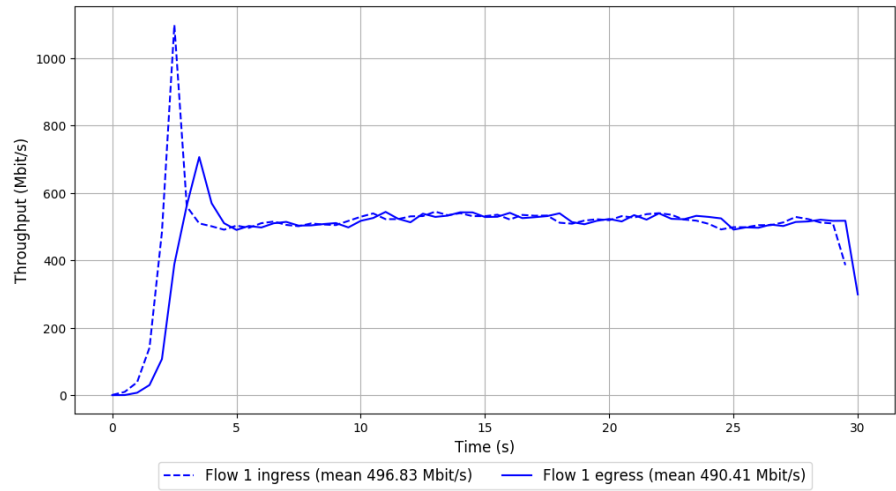
-- Flow 1:

Average throughput: 490.41 Mbit/s

95th percentile per-packet one-way delay: 118.302 ms

Loss rate: 1.86%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-08-10 13:39:45

End at: 2018-08-10 13:40:15

Local clock offset: -0.145 ms

Remote clock offset: 0.097 ms

Below is generated by plot.py at 2018-08-10 15:52:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 490.97 Mbit/s

95th percentile per-packet one-way delay: 149.053 ms

Loss rate: 1.44%

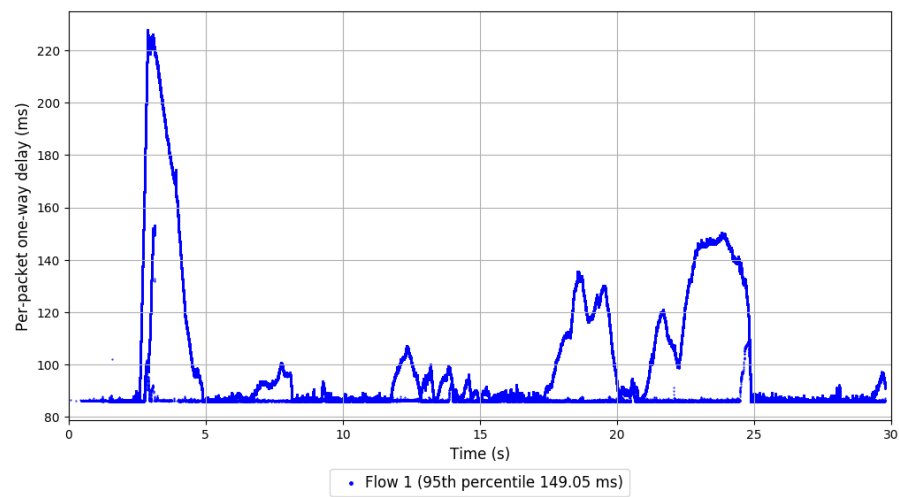
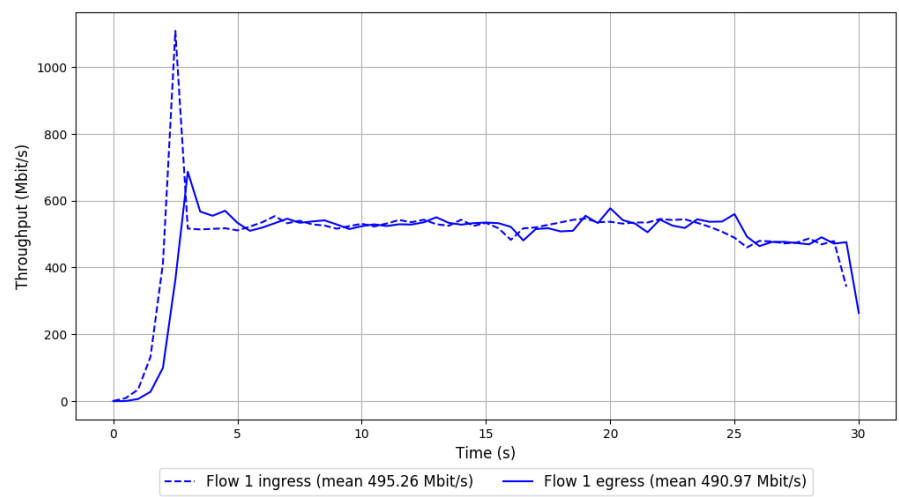
-- Flow 1:

Average throughput: 490.97 Mbit/s

95th percentile per-packet one-way delay: 149.053 ms

Loss rate: 1.44%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-08-10 14:02:53

End at: 2018-08-10 14:03:23

Local clock offset: -0.151 ms

Remote clock offset: 0.137 ms

Below is generated by plot.py at 2018-08-10 15:52:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 487.82 Mbit/s

95th percentile per-packet one-way delay: 139.805 ms

Loss rate: 1.28%

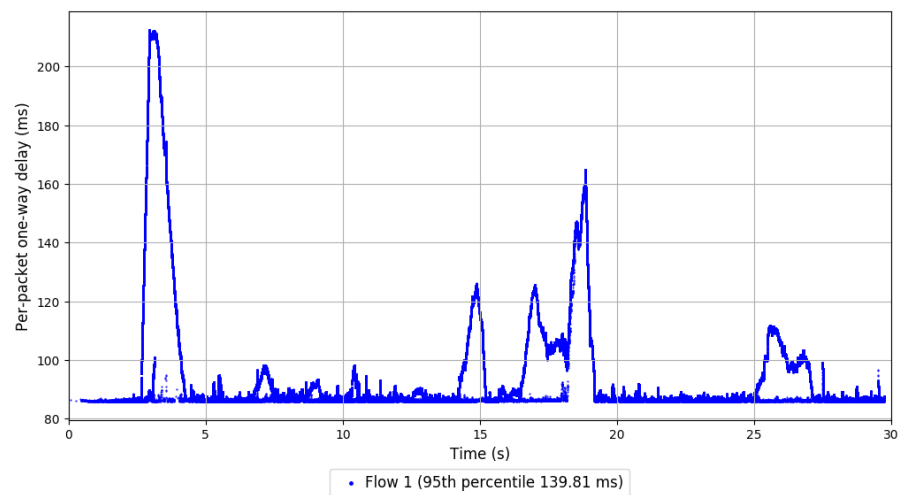
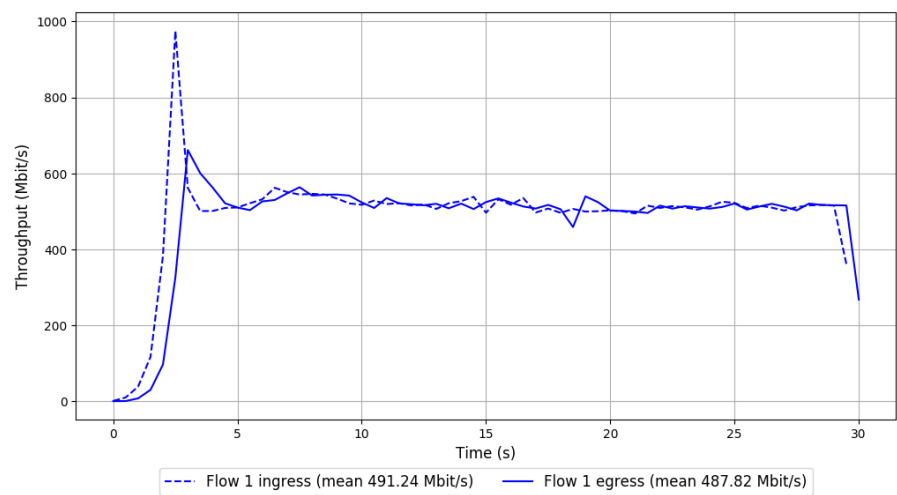
-- Flow 1:

Average throughput: 487.82 Mbit/s

95th percentile per-packet one-way delay: 139.805 ms

Loss rate: 1.28%

Run 10: Report of PCC-Allegro — Data Link

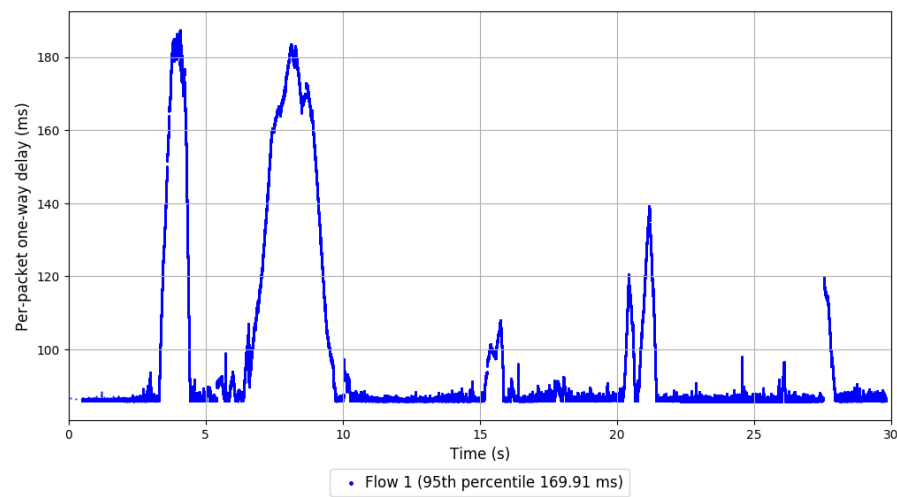
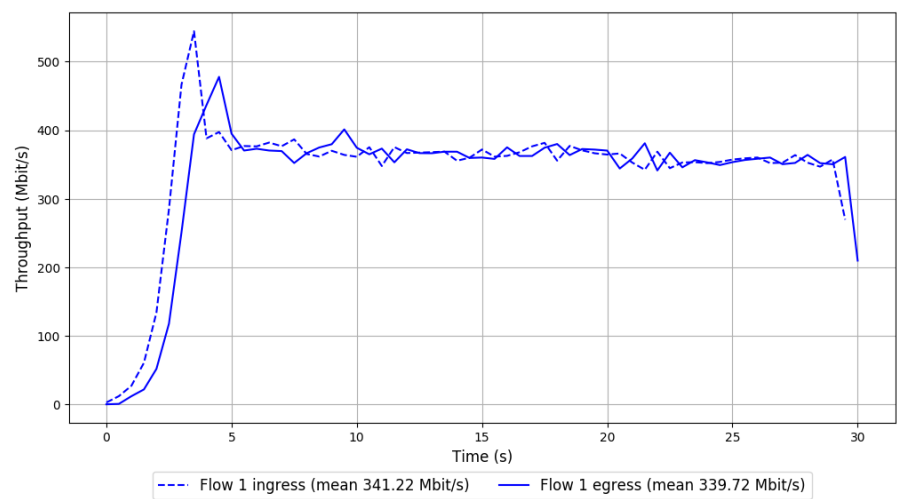


Run 1: Statistics of PCC-Expr

Start at: 2018-08-10 10:28:41
End at: 2018-08-10 10:29:11
Local clock offset: -0.393 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2018-08-10 15:55:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 339.72 Mbit/s
95th percentile per-packet one-way delay: 169.909 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 339.72 Mbit/s
95th percentile per-packet one-way delay: 169.909 ms
Loss rate: 1.02%

Run 1: Report of PCC-Expr — Data Link

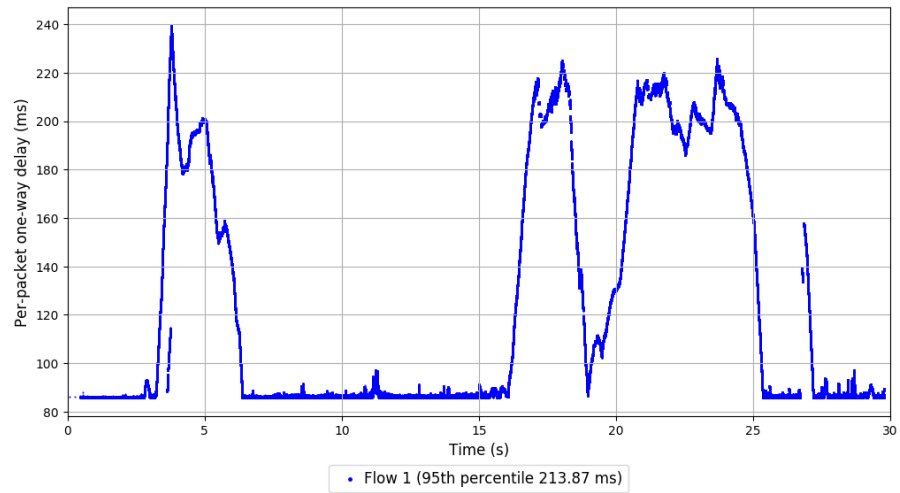
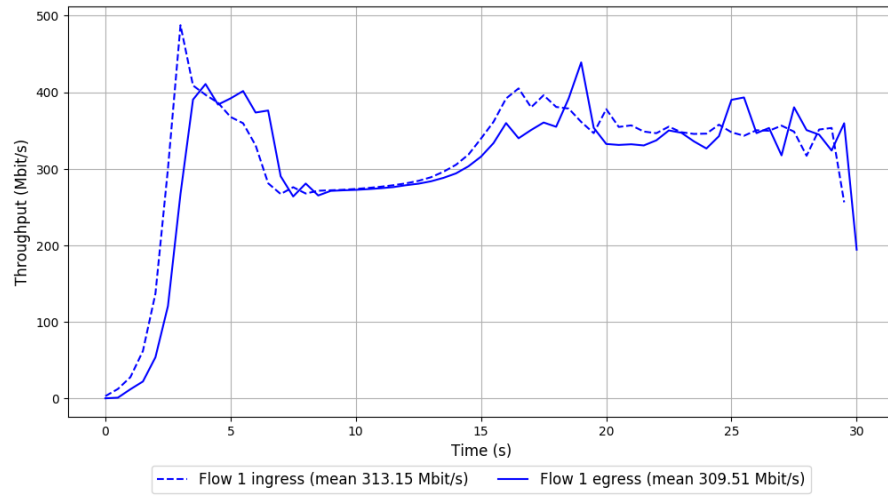


Run 2: Statistics of PCC-Expr

Start at: 2018-08-10 10:51:50
End at: 2018-08-10 10:52:20
Local clock offset: -0.269 ms
Remote clock offset: -0.169 ms

Below is generated by plot.py at 2018-08-10 15:55:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 309.51 Mbit/s
95th percentile per-packet one-way delay: 213.867 ms
Loss rate: 1.74%
-- Flow 1:
Average throughput: 309.51 Mbit/s
95th percentile per-packet one-way delay: 213.867 ms
Loss rate: 1.74%

Run 2: Report of PCC-Expr — Data Link

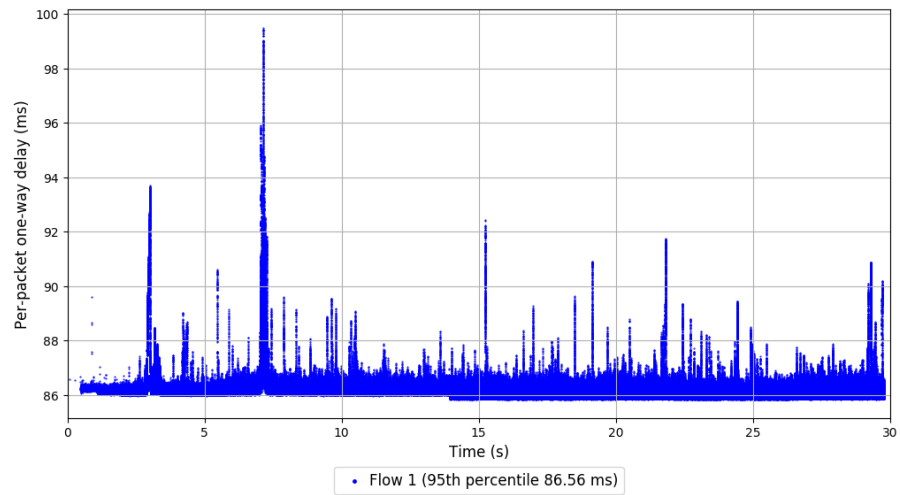
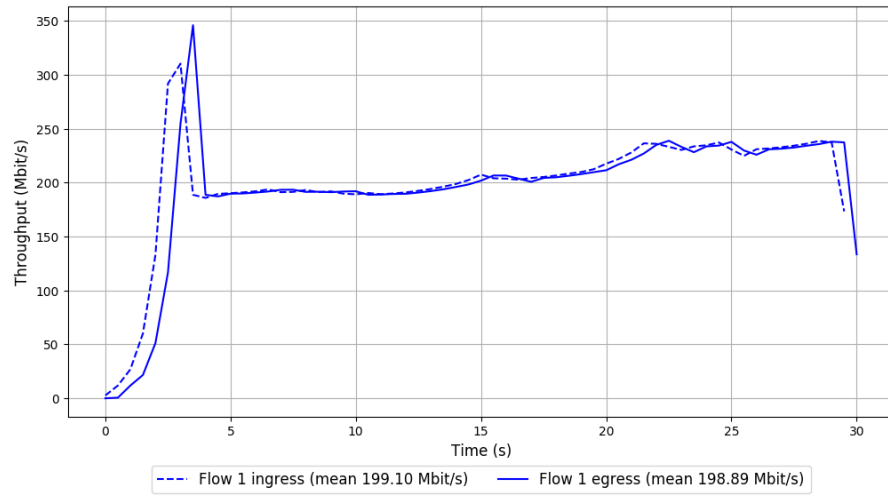


Run 3: Statistics of PCC-Expr

Start at: 2018-08-10 11:14:54
End at: 2018-08-10 11:15:24
Local clock offset: -0.186 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-08-10 15:55:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 198.89 Mbit/s
95th percentile per-packet one-way delay: 86.555 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 198.89 Mbit/s
95th percentile per-packet one-way delay: 86.555 ms
Loss rate: 0.68%

Run 3: Report of PCC-Expr — Data Link

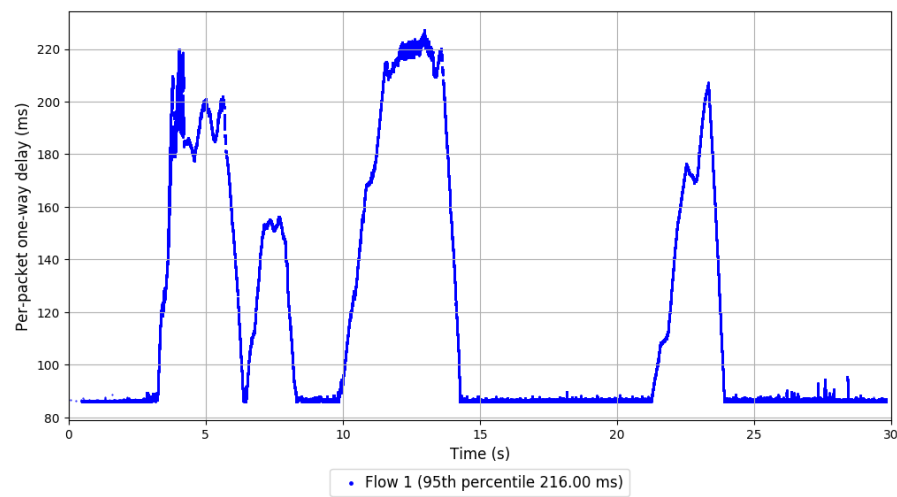
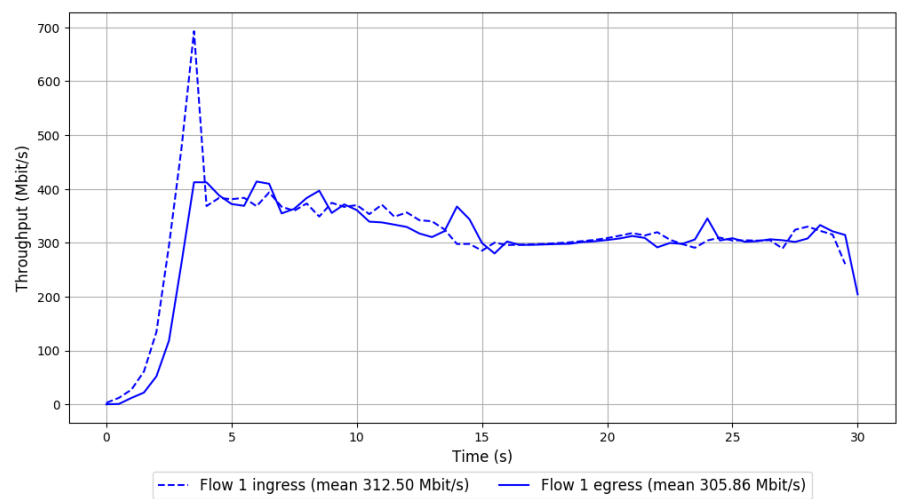


Run 4: Statistics of PCC-Expr

Start at: 2018-08-10 11:37:50
End at: 2018-08-10 11:38:20
Local clock offset: -0.003 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-08-10 15:57:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 305.86 Mbit/s
95th percentile per-packet one-way delay: 215.999 ms
Loss rate: 2.69%
-- Flow 1:
Average throughput: 305.86 Mbit/s
95th percentile per-packet one-way delay: 215.999 ms
Loss rate: 2.69%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-08-10 12:01:07

End at: 2018-08-10 12:01:37

Local clock offset: 0.045 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-08-10 15:57:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 199.47 Mbit/s

95th percentile per-packet one-way delay: 87.604 ms

Loss rate: 0.72%

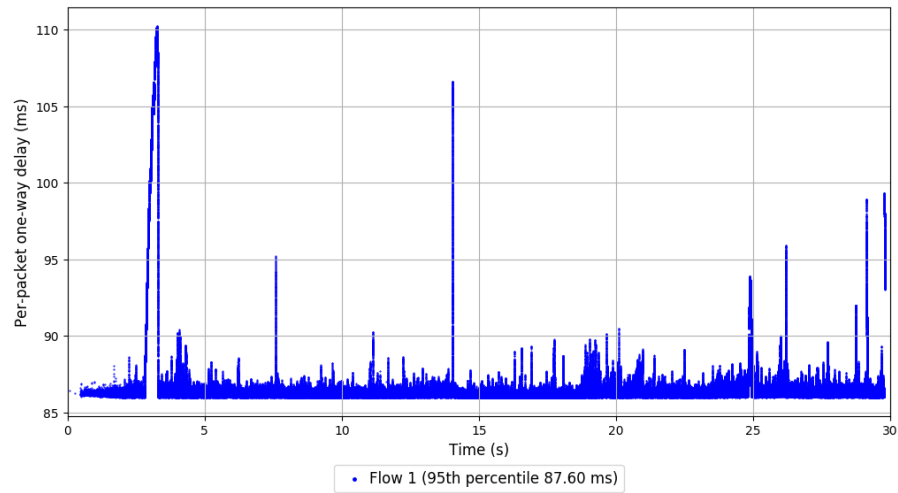
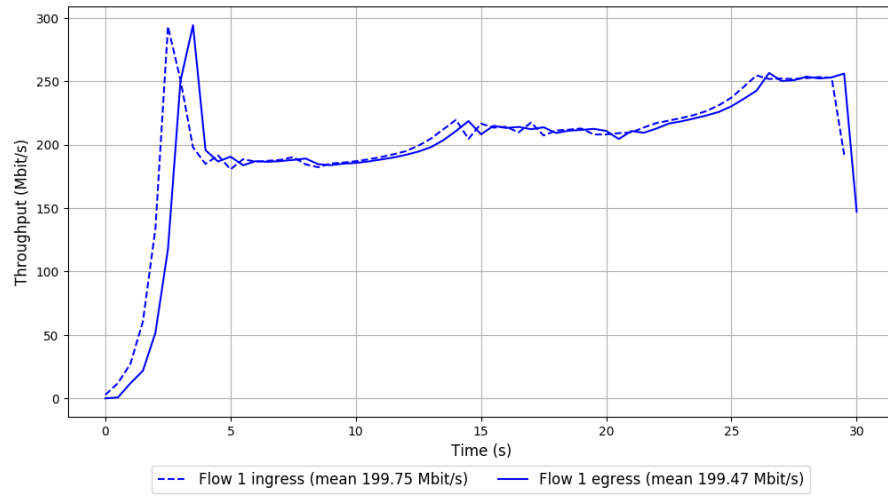
-- Flow 1:

Average throughput: 199.47 Mbit/s

95th percentile per-packet one-way delay: 87.604 ms

Loss rate: 0.72%

Run 5: Report of PCC-Expr — Data Link

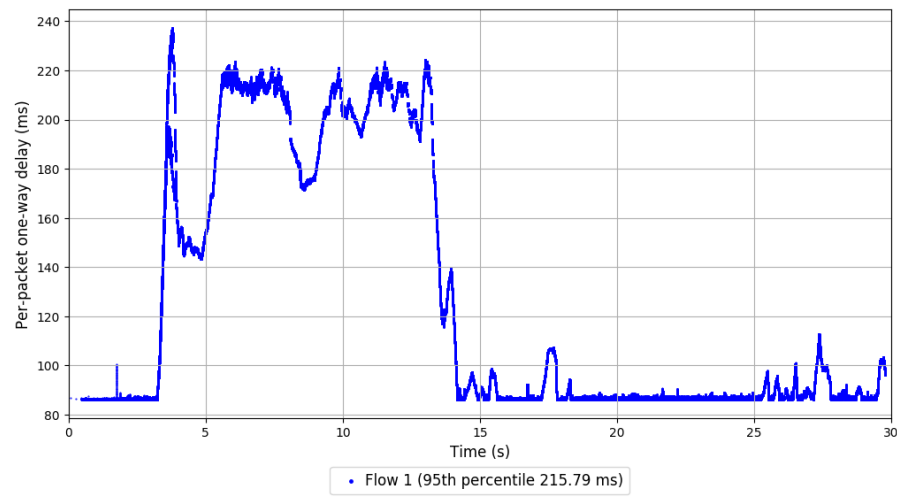
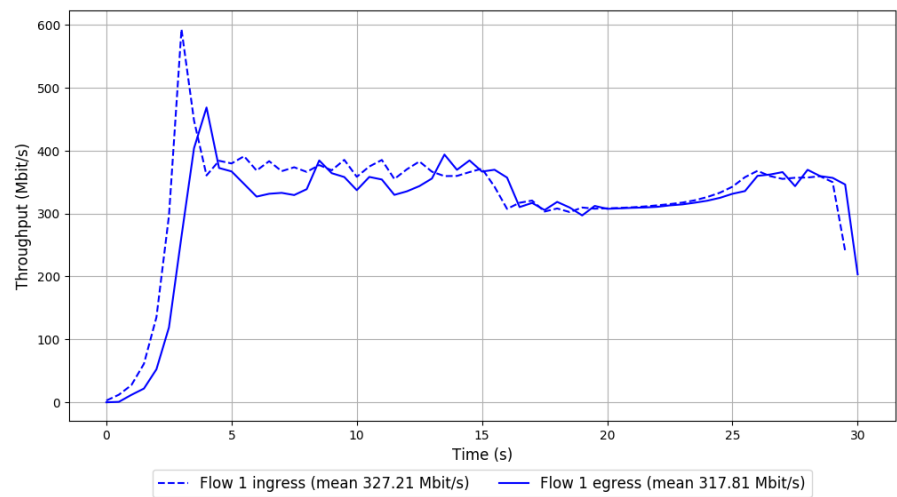


Run 6: Statistics of PCC-Expr

Start at: 2018-08-10 12:24:10
End at: 2018-08-10 12:24:40
Local clock offset: 0.024 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-08-10 16:00:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 317.81 Mbit/s
95th percentile per-packet one-way delay: 215.794 ms
Loss rate: 3.44%
-- Flow 1:
Average throughput: 317.81 Mbit/s
95th percentile per-packet one-way delay: 215.794 ms
Loss rate: 3.44%

Run 6: Report of PCC-Expr — Data Link

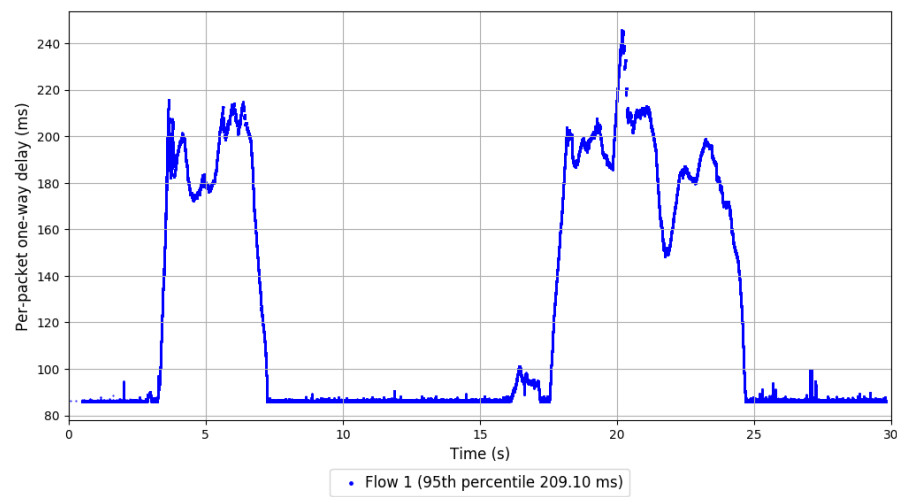
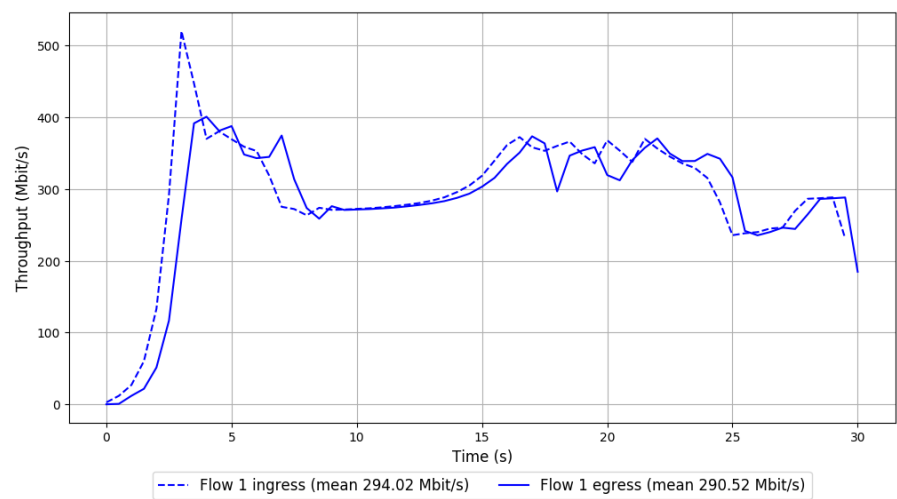


Run 7: Statistics of PCC-Expr

Start at: 2018-08-10 12:47:20
End at: 2018-08-10 12:47:50
Local clock offset: -0.233 ms
Remote clock offset: -0.122 ms

Below is generated by plot.py at 2018-08-10 16:02:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 290.52 Mbit/s
95th percentile per-packet one-way delay: 209.099 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 290.52 Mbit/s
95th percentile per-packet one-way delay: 209.099 ms
Loss rate: 1.76%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-08-10 13:10:47

End at: 2018-08-10 13:11:17

Local clock offset: -0.187 ms

Remote clock offset: 0.028 ms

Below is generated by plot.py at 2018-08-10 16:03:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 302.55 Mbit/s

95th percentile per-packet one-way delay: 160.930 ms

Loss rate: 1.89%

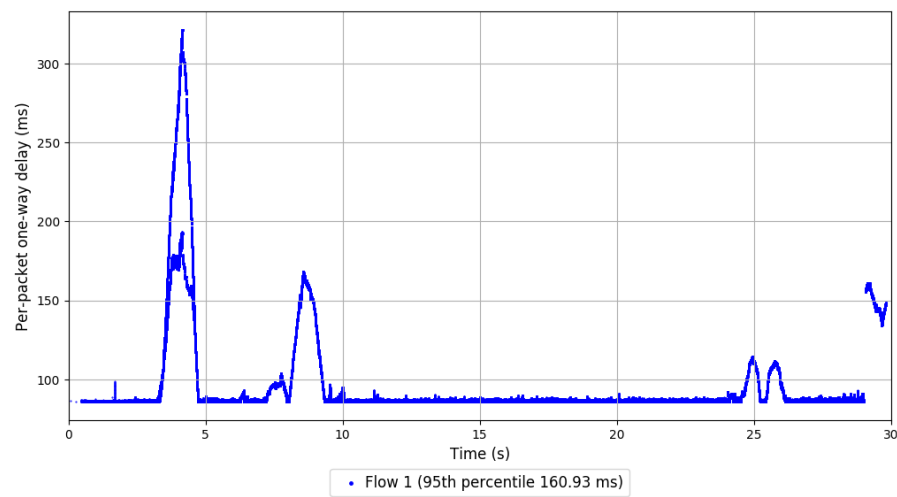
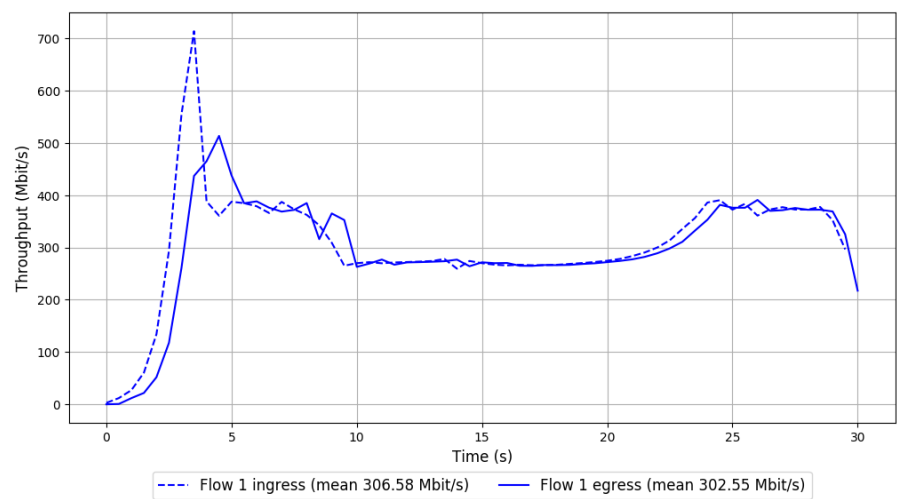
-- Flow 1:

Average throughput: 302.55 Mbit/s

95th percentile per-packet one-way delay: 160.930 ms

Loss rate: 1.89%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-08-10 13:33:50

End at: 2018-08-10 13:34:20

Local clock offset: -0.329 ms

Remote clock offset: 0.112 ms

Below is generated by plot.py at 2018-08-10 16:03:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 177.45 Mbit/s

95th percentile per-packet one-way delay: 93.194 ms

Loss rate: 1.07%

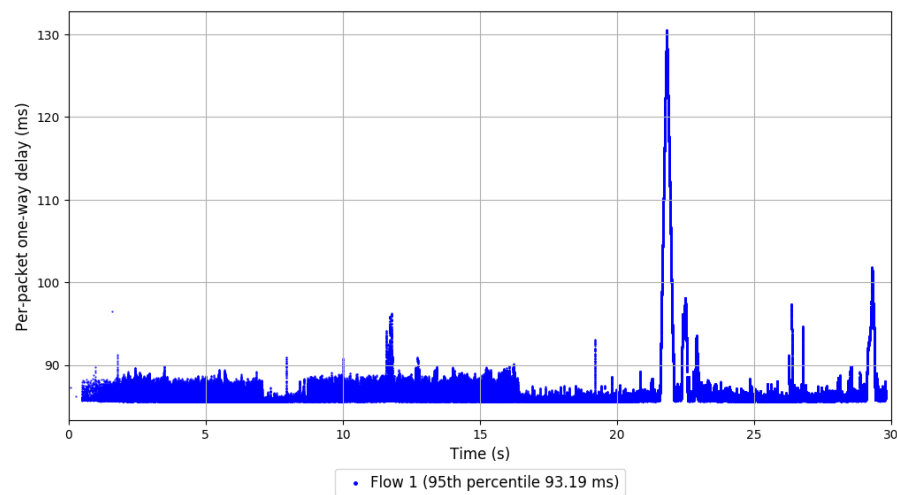
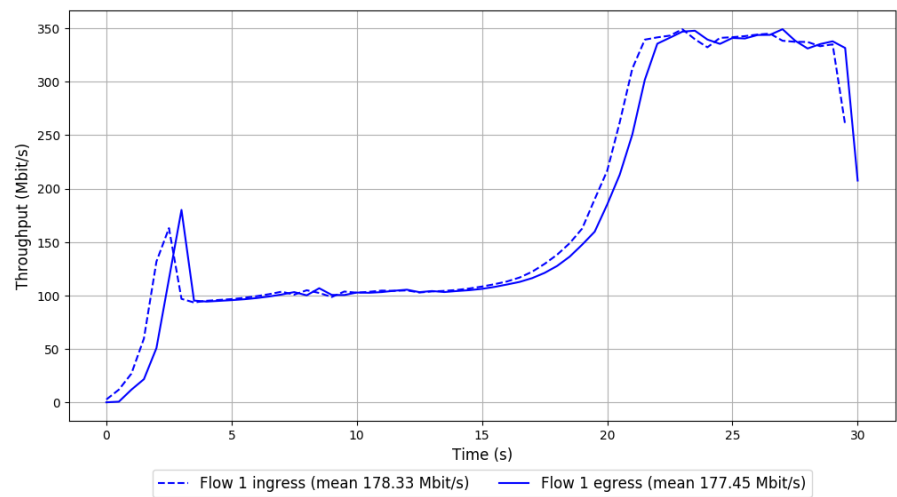
-- Flow 1:

Average throughput: 177.45 Mbit/s

95th percentile per-packet one-way delay: 93.194 ms

Loss rate: 1.07%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-08-10 13:56:57

End at: 2018-08-10 13:57:27

Local clock offset: -0.079 ms

Remote clock offset: 0.147 ms

Below is generated by plot.py at 2018-08-10 16:04:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 248.45 Mbit/s

95th percentile per-packet one-way delay: 213.327 ms

Loss rate: 2.61%

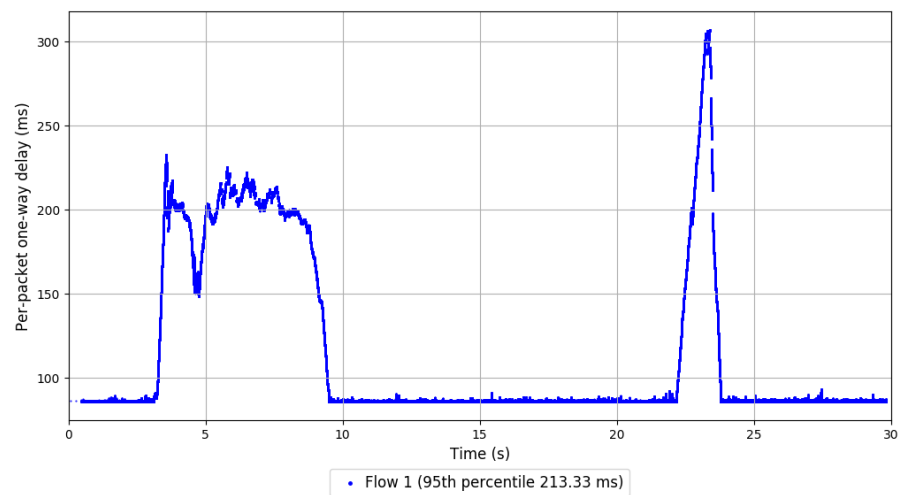
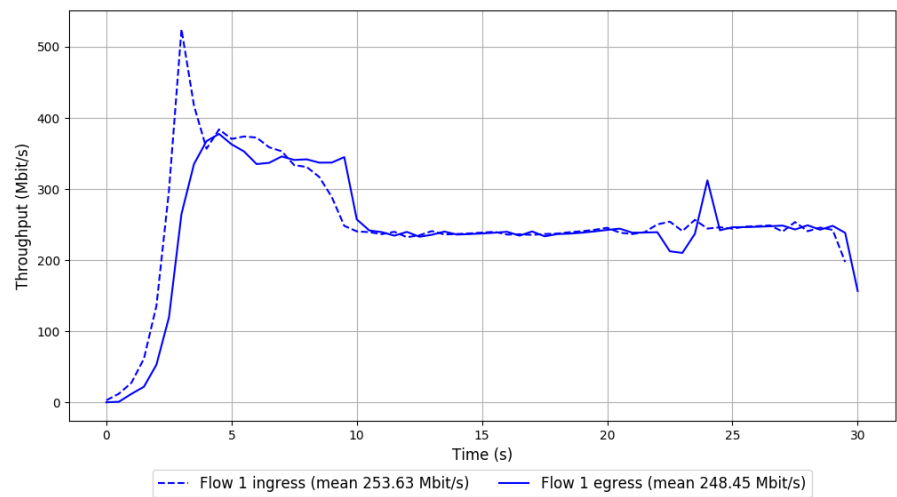
-- Flow 1:

Average throughput: 248.45 Mbit/s

95th percentile per-packet one-way delay: 213.327 ms

Loss rate: 2.61%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

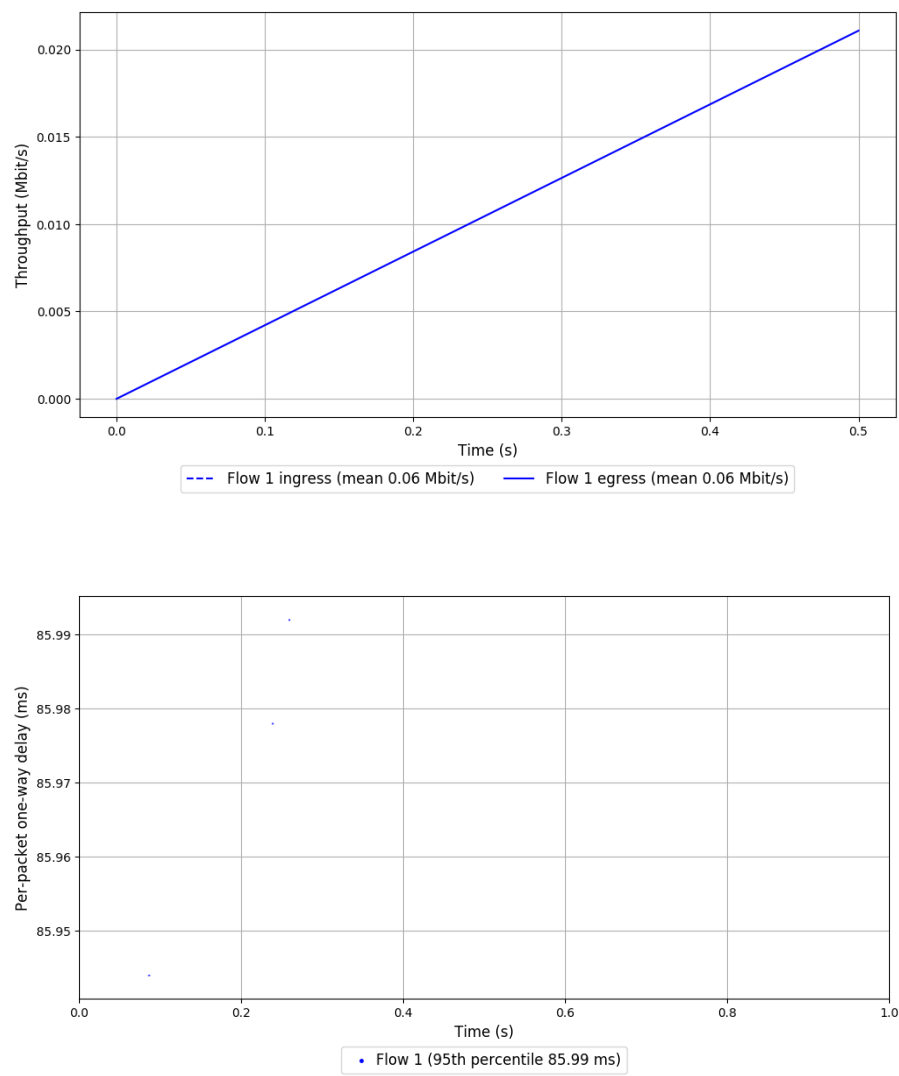
Start at: 2018-08-10 10:38:39

End at: 2018-08-10 10:39:09

Local clock offset: -0.231 ms

Remote clock offset: -0.123 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

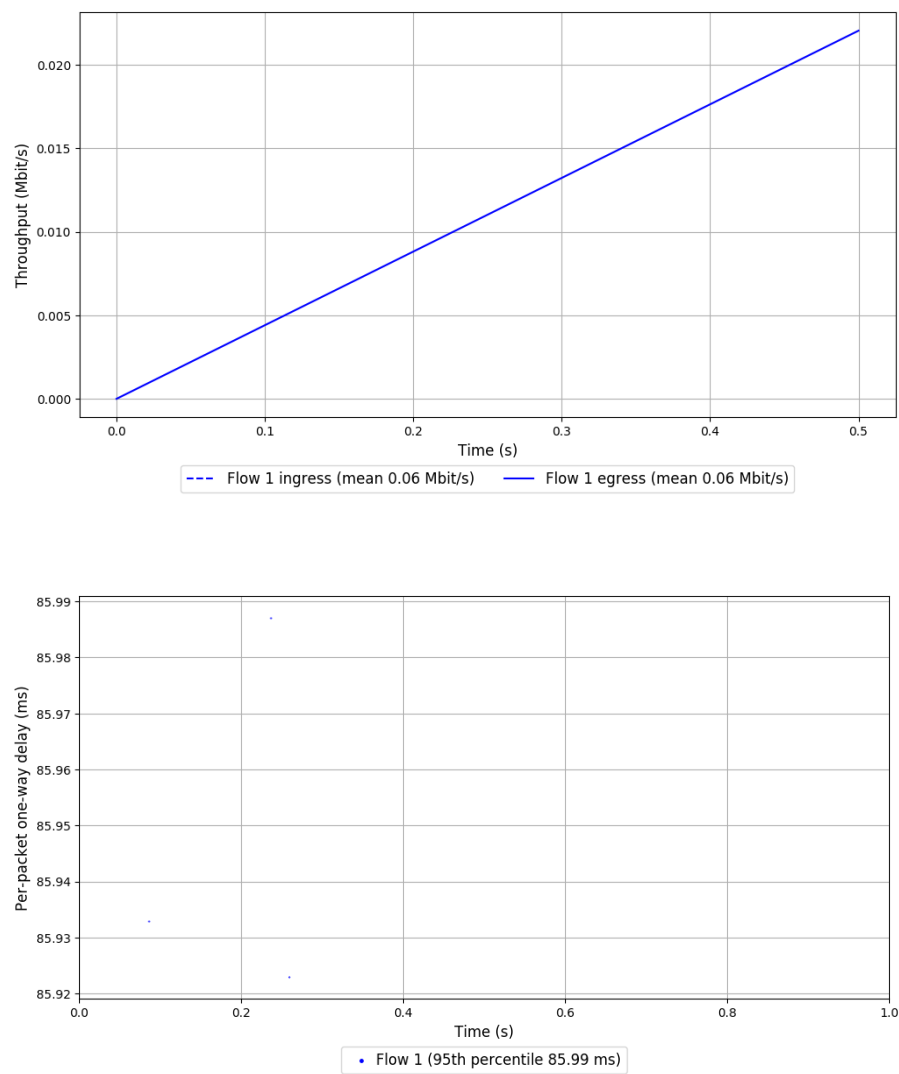
Start at: 2018-08-10 11:01:44

End at: 2018-08-10 11:02:14

Local clock offset: -0.381 ms

Remote clock offset: -0.17 ms

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

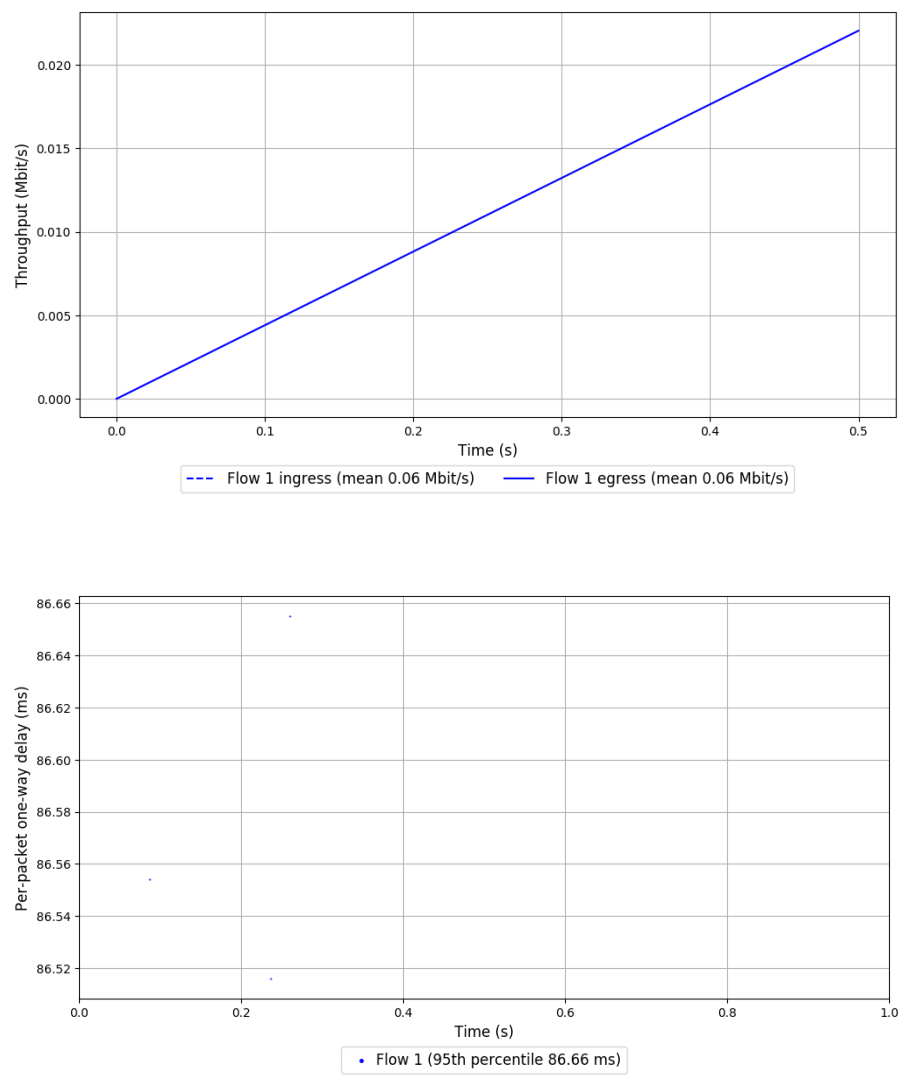
Start at: 2018-08-10 11:24:42

End at: 2018-08-10 11:25:12

Local clock offset: -0.042 ms

Remote clock offset: -0.035 ms

Run 3: Report of QUIC Cubic — Data Link

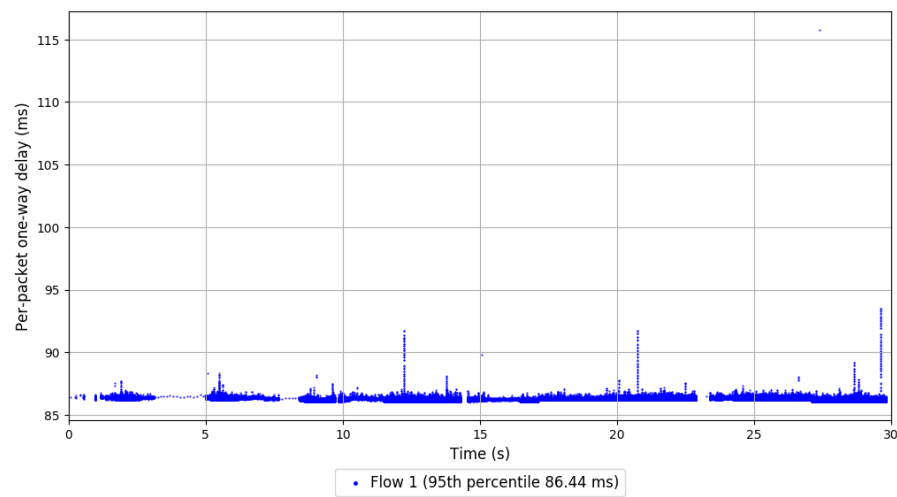
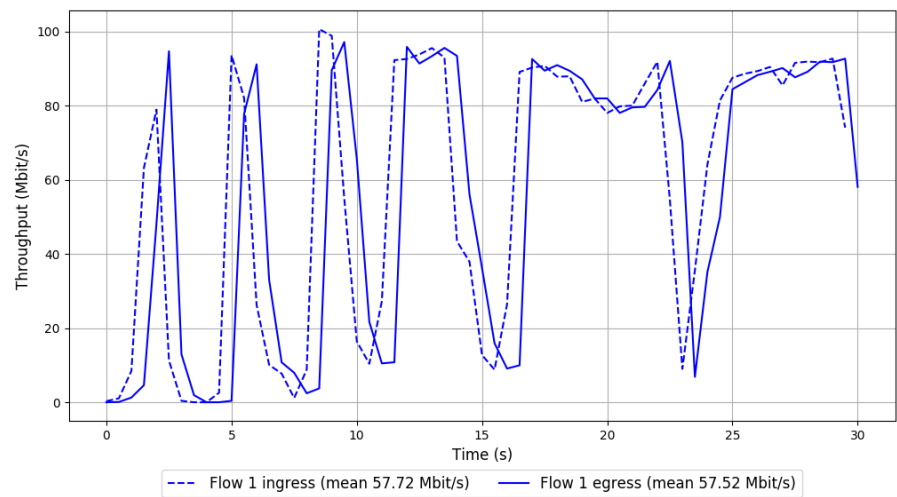


Run 4: Statistics of QUIC Cubic

Start at: 2018-08-10 11:47:51
End at: 2018-08-10 11:48:21
Local clock offset: 0.02 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-08-10 16:04:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 57.52 Mbit/s
95th percentile per-packet one-way delay: 86.438 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 57.52 Mbit/s
95th percentile per-packet one-way delay: 86.438 ms
Loss rate: 0.93%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

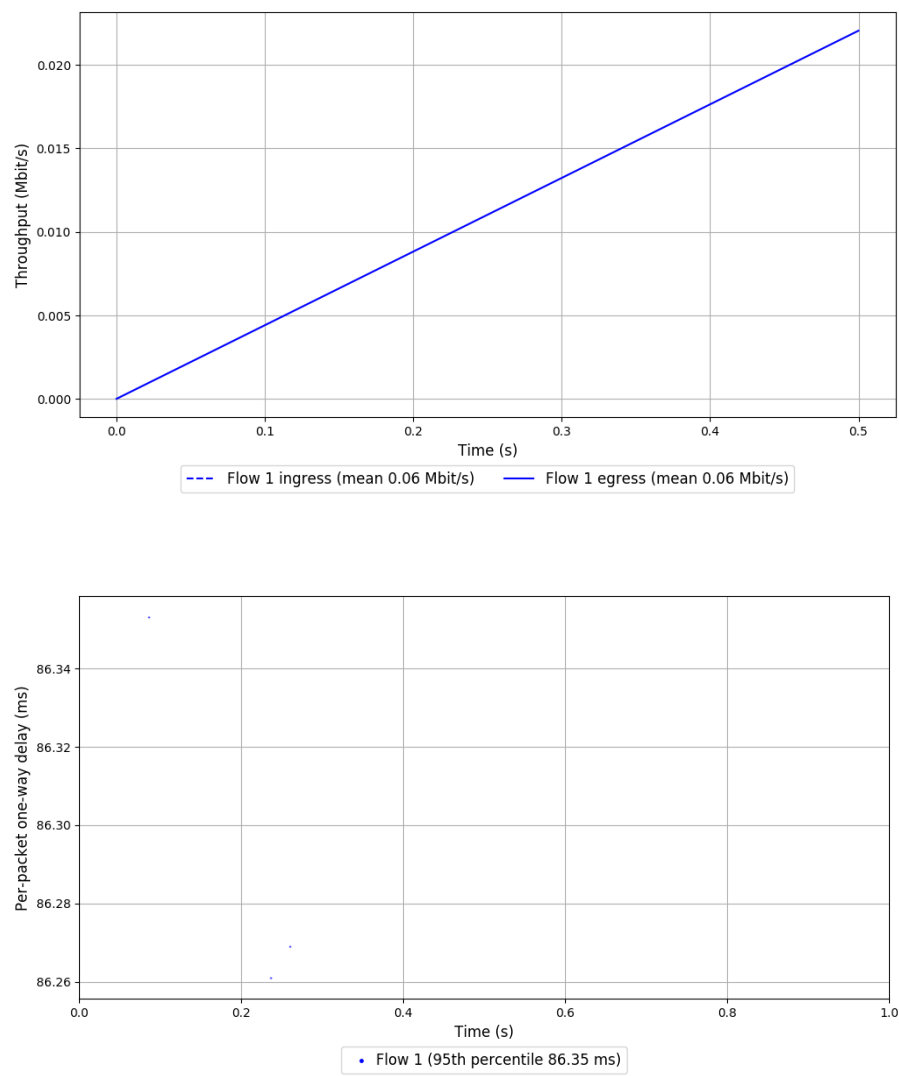
Start at: 2018-08-10 12:10:57

End at: 2018-08-10 12:11:27

Local clock offset: -0.027 ms

Remote clock offset: 0.037 ms

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

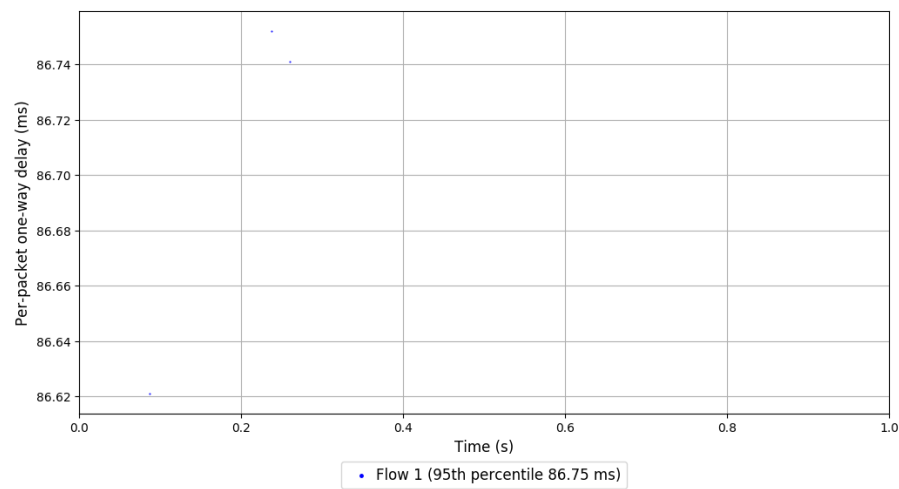
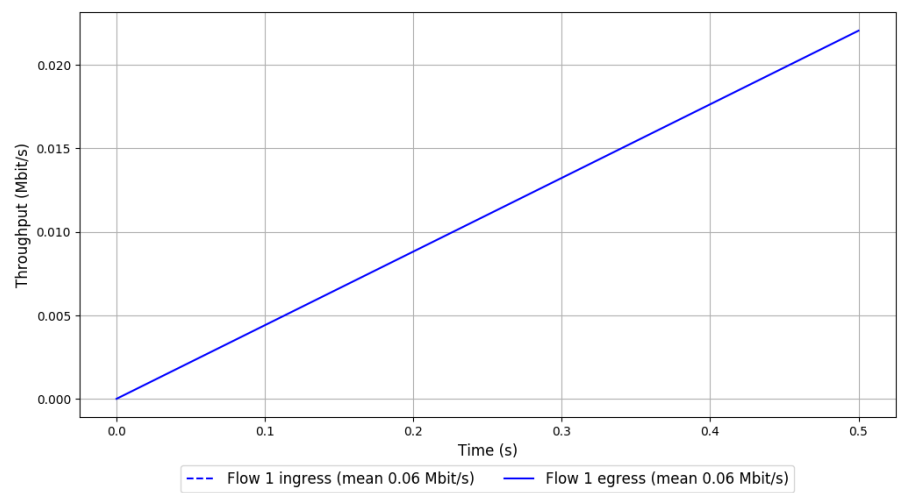
Start at: 2018-08-10 12:34:13

End at: 2018-08-10 12:34:43

Local clock offset: -0.017 ms

Remote clock offset: -0.05 ms

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-08-10 12:57:18

End at: 2018-08-10 12:57:48

Local clock offset: -0.21 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-08-10 16:04:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.99 Mbit/s

95th percentile per-packet one-way delay: 86.310 ms

Loss rate: 0.99%

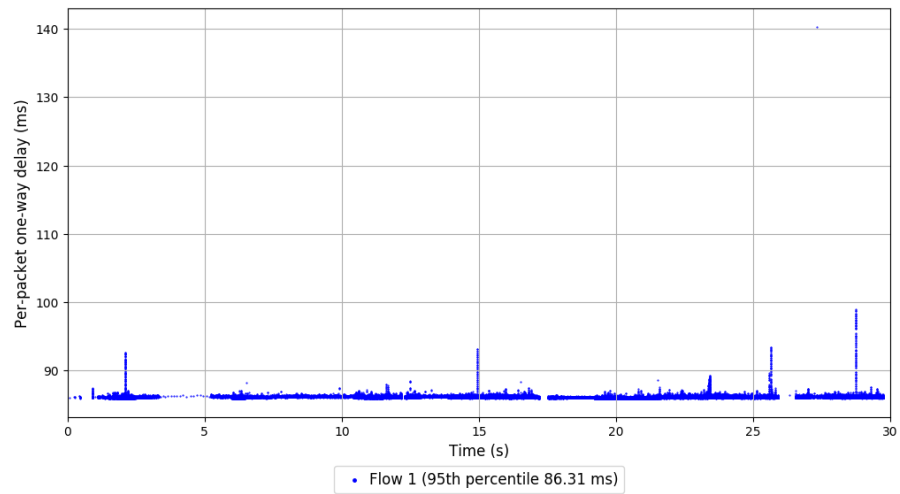
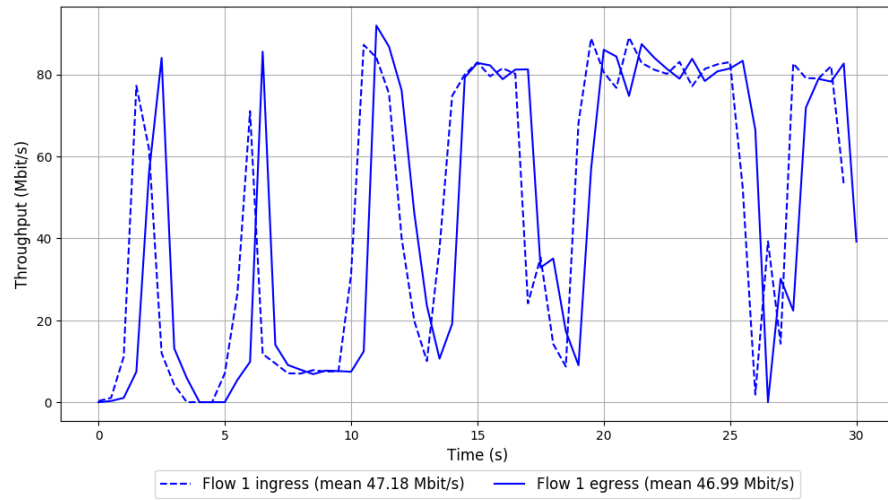
-- Flow 1:

Average throughput: 46.99 Mbit/s

95th percentile per-packet one-way delay: 86.310 ms

Loss rate: 0.99%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

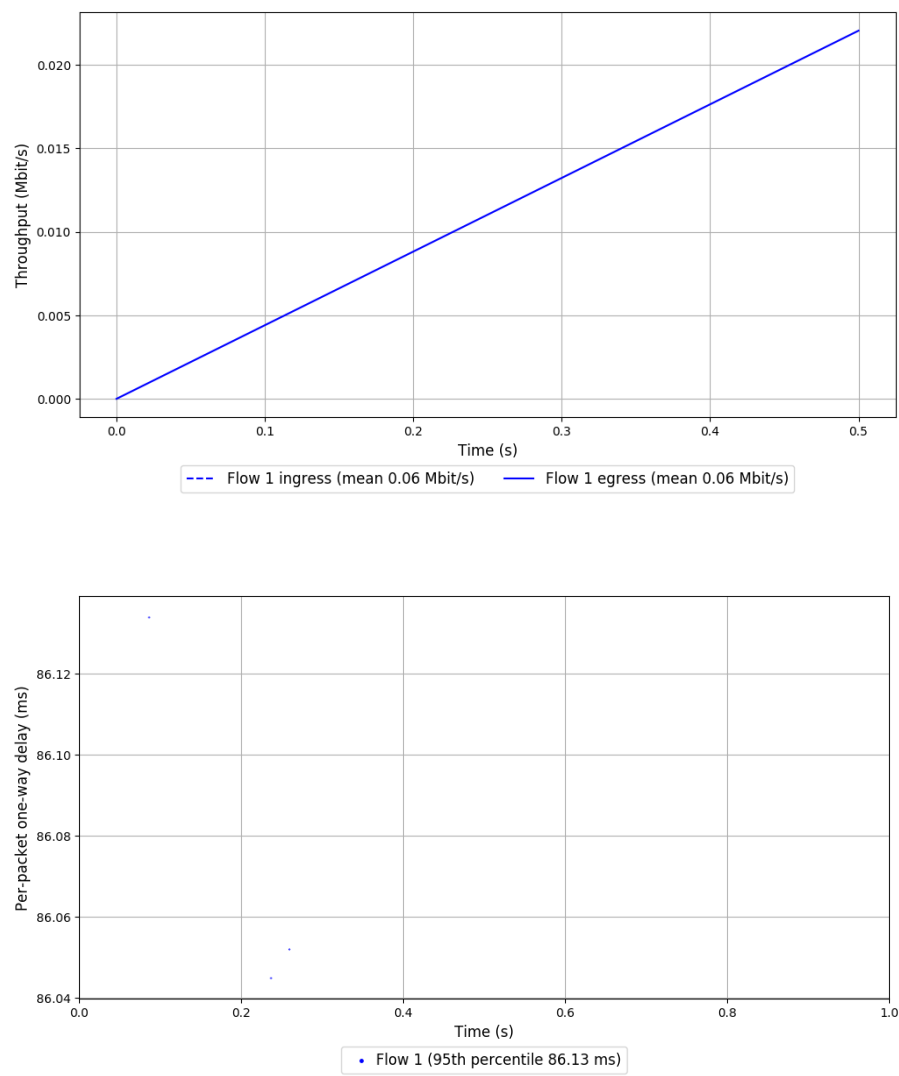
Start at: 2018-08-10 13:20:44

End at: 2018-08-10 13:21:14

Local clock offset: -0.145 ms

Remote clock offset: 0.087 ms

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

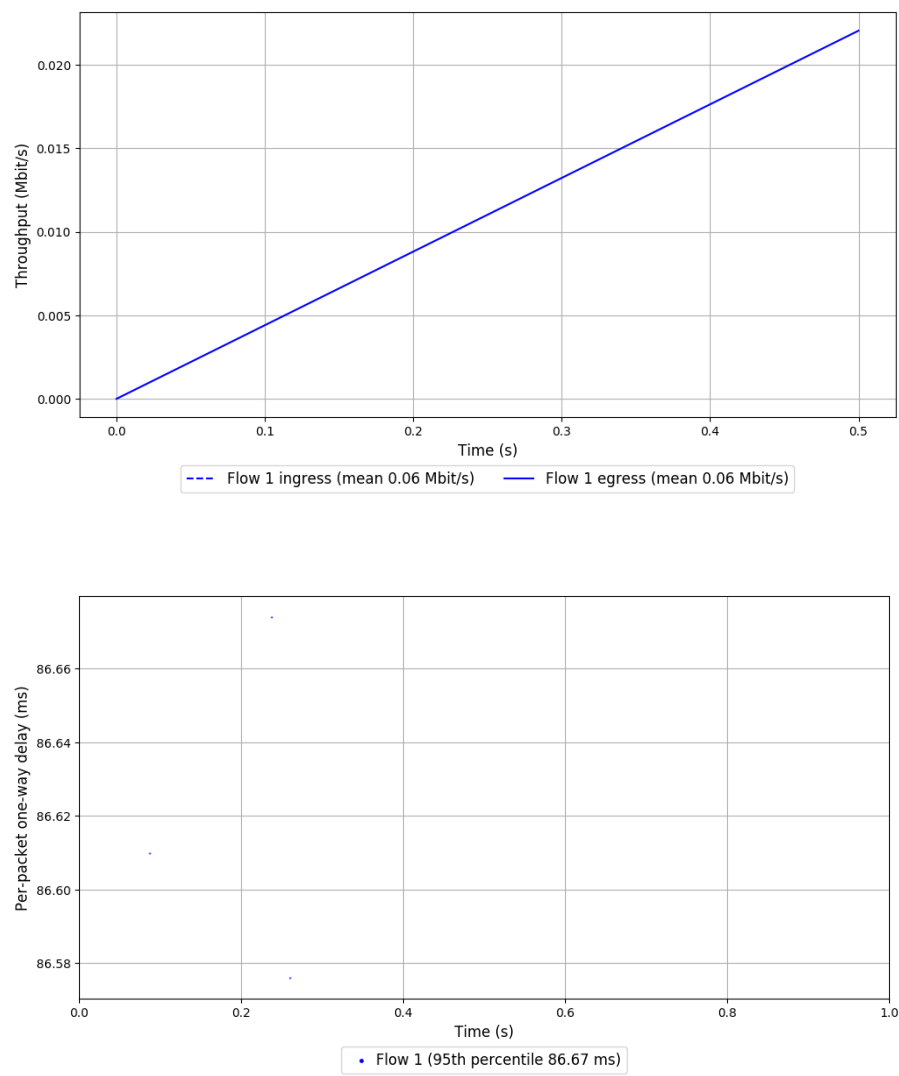
Start at: 2018-08-10 13:43:38

End at: 2018-08-10 13:44:08

Local clock offset: 0.095 ms

Remote clock offset: 0.084 ms

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

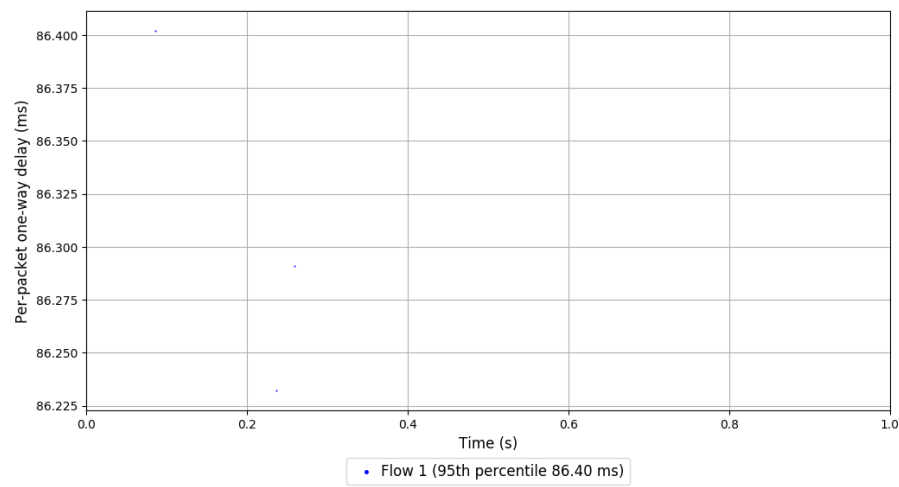
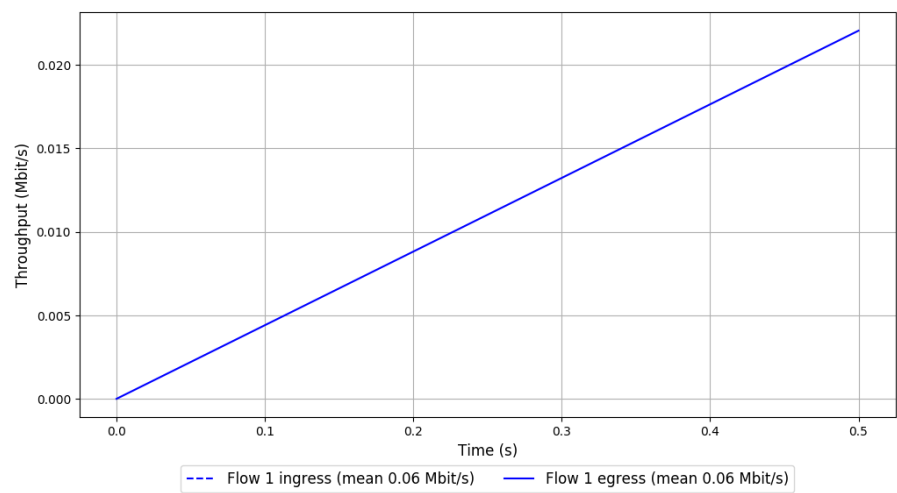
Start at: 2018-08-10 14:06:46

End at: 2018-08-10 14:07:16

Local clock offset: -0.013 ms

Remote clock offset: 0.098 ms

Run 10: Report of QUIC Cubic — Data Link

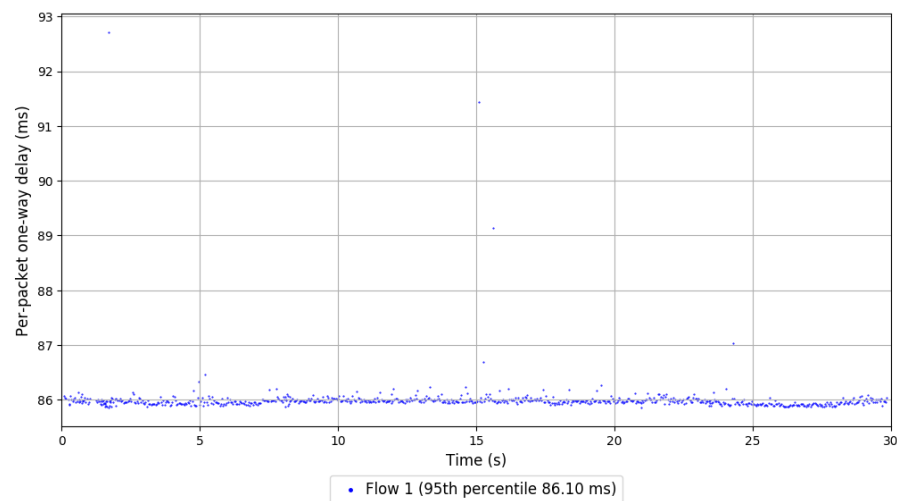
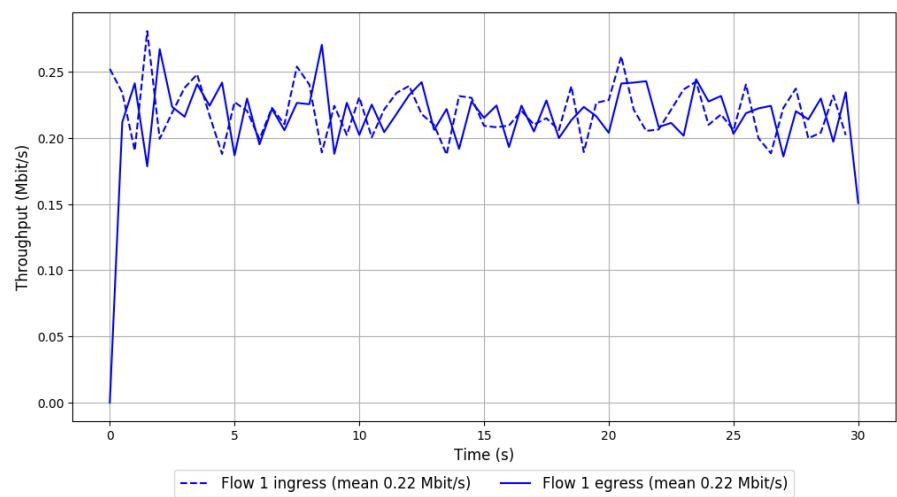


Run 1: Statistics of SCReAM

Start at: 2018-08-10 10:37:32
End at: 2018-08-10 10:38:02
Local clock offset: -0.372 ms
Remote clock offset: -0.148 ms

Below is generated by plot.py at 2018-08-10 16:04:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.099 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.099 ms
Loss rate: 0.64%

Run 1: Report of SReAM — Data Link

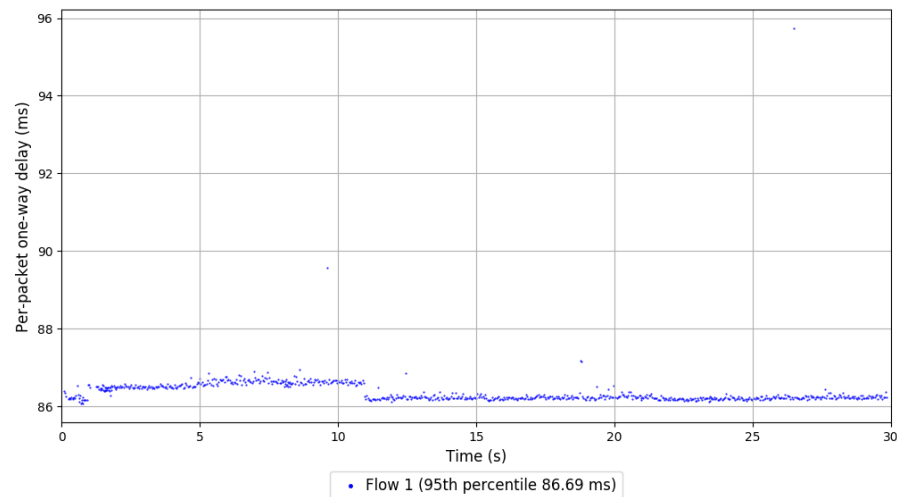
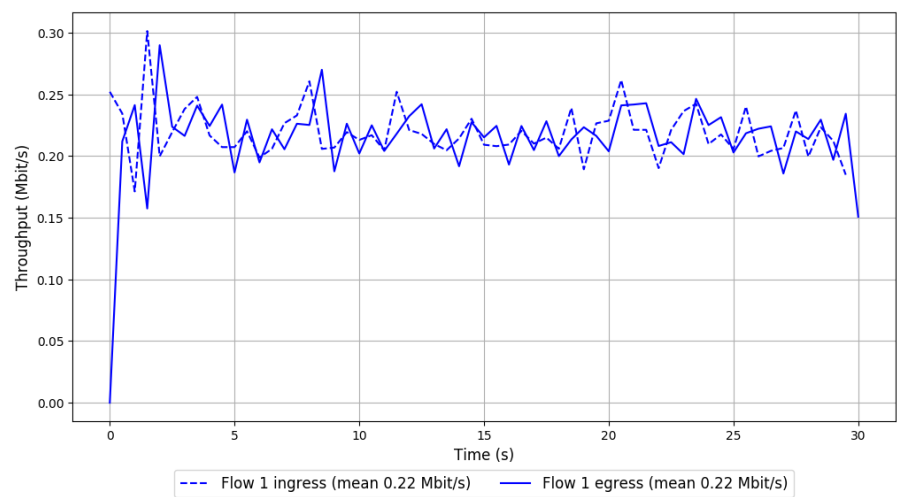


Run 2: Statistics of SCReAM

Start at: 2018-08-10 11:00:37
End at: 2018-08-10 11:01:07
Local clock offset: -0.225 ms
Remote clock offset: -0.183 ms

Below is generated by plot.py at 2018-08-10 16:04:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.689 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.689 ms
Loss rate: 0.51%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-08-10 11:23:35

End at: 2018-08-10 11:24:05

Local clock offset: -0.125 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-08-10 16:04:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.254 ms

Loss rate: 0.51%

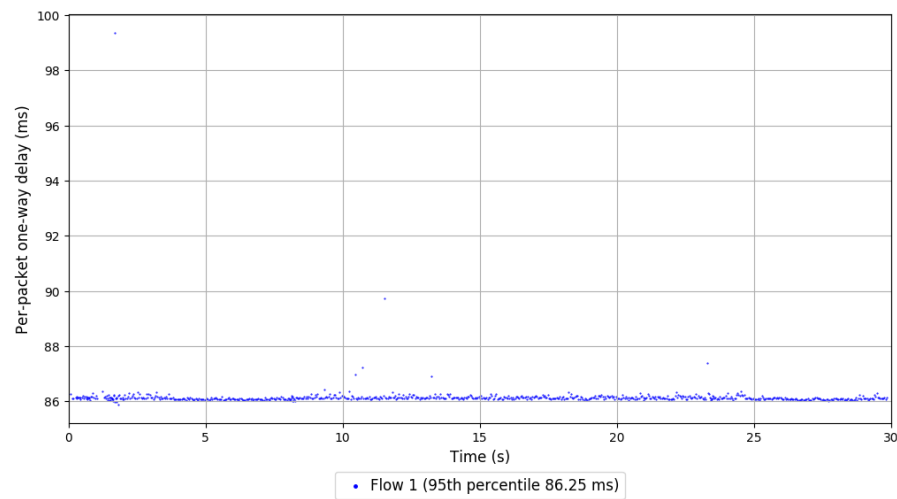
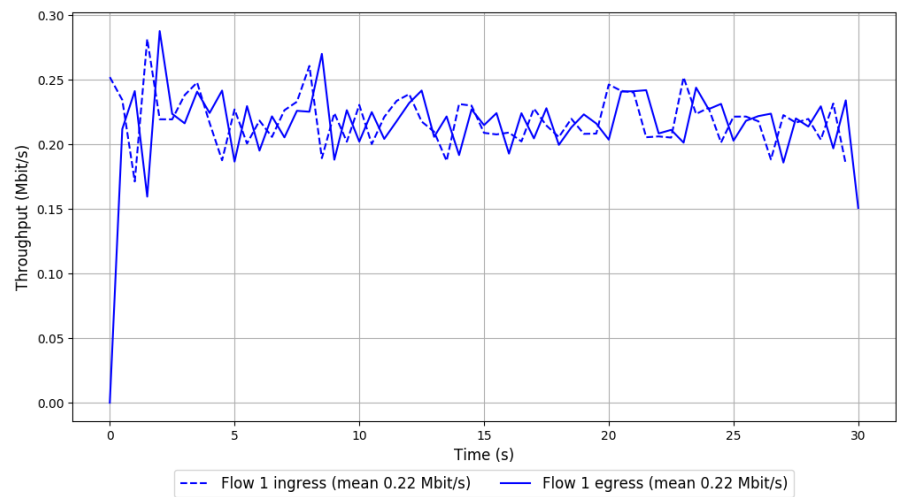
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.254 ms

Loss rate: 0.51%

Run 3: Report of SReAM — Data Link

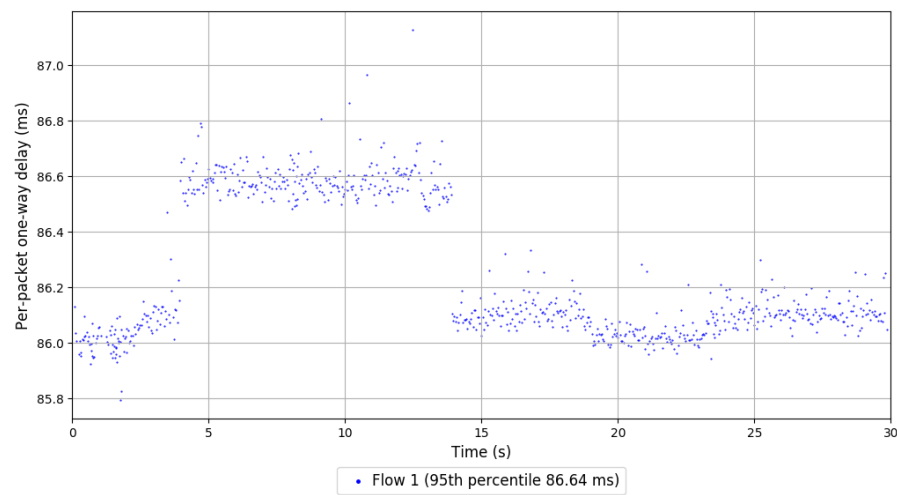
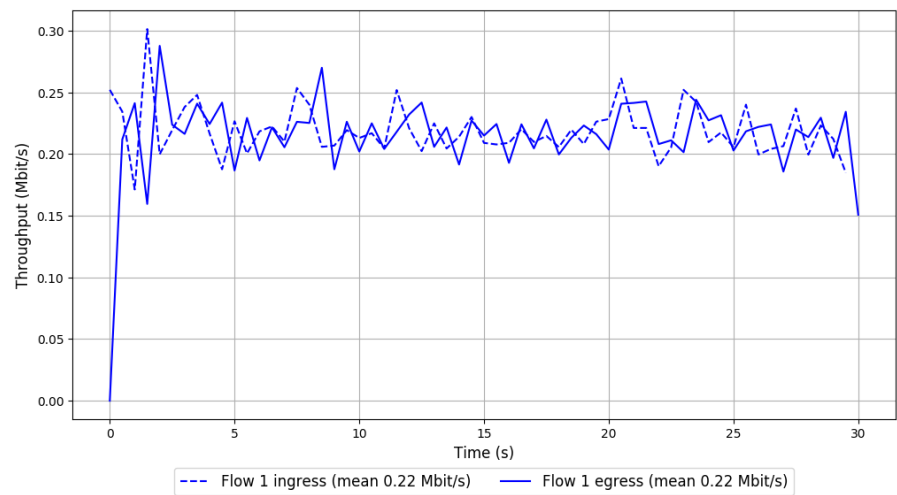


Run 4: Statistics of SCReAM

Start at: 2018-08-10 11:46:44
End at: 2018-08-10 11:47:14
Local clock offset: -0.111 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-08-10 16:04:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.637 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.637 ms
Loss rate: 0.51%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-08-10 12:09:51

End at: 2018-08-10 12:10:21

Local clock offset: 0.143 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2018-08-10 16:04:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.619 ms

Loss rate: 0.51%

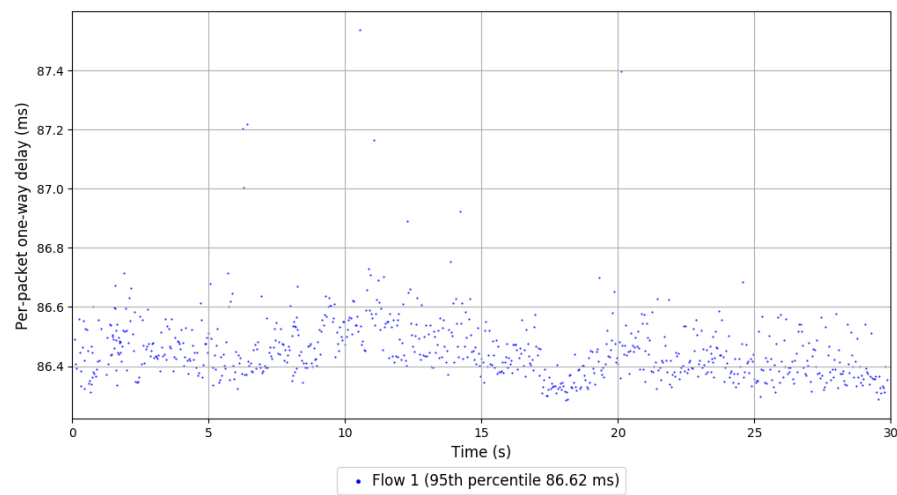
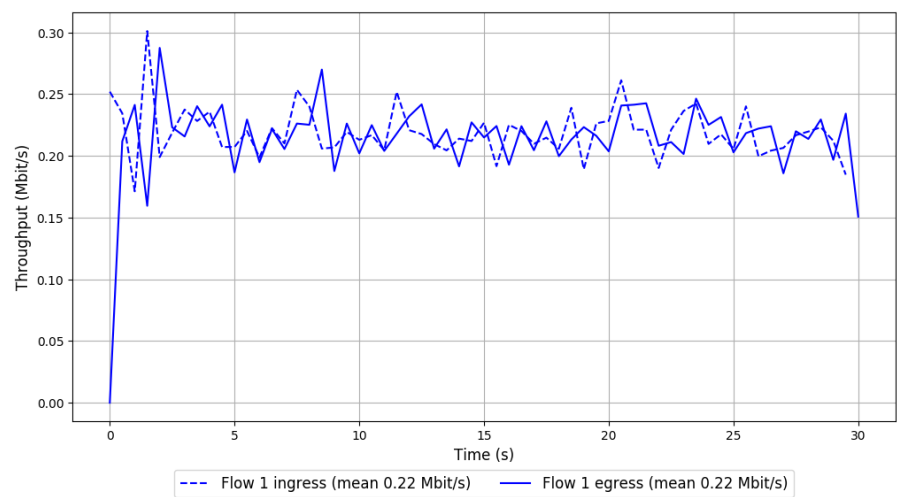
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.619 ms

Loss rate: 0.51%

Run 5: Report of SReAM — Data Link

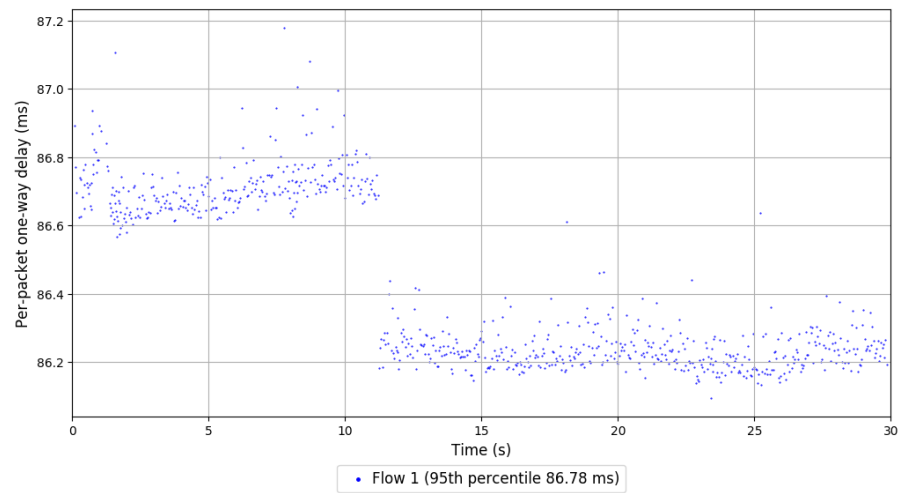
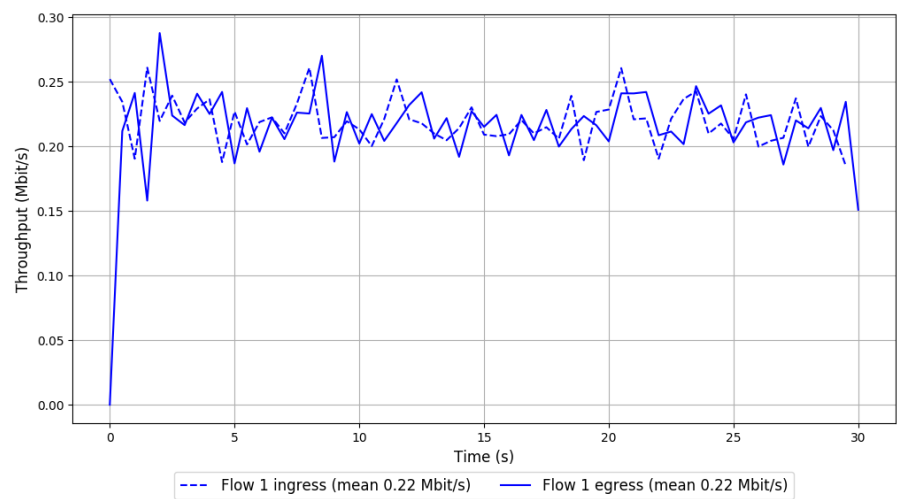


Run 6: Statistics of SCReAM

Start at: 2018-08-10 12:33:07
End at: 2018-08-10 12:33:37
Local clock offset: -0.133 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-08-10 16:04:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.784 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.784 ms
Loss rate: 0.51%

Run 6: Report of SReAM — Data Link

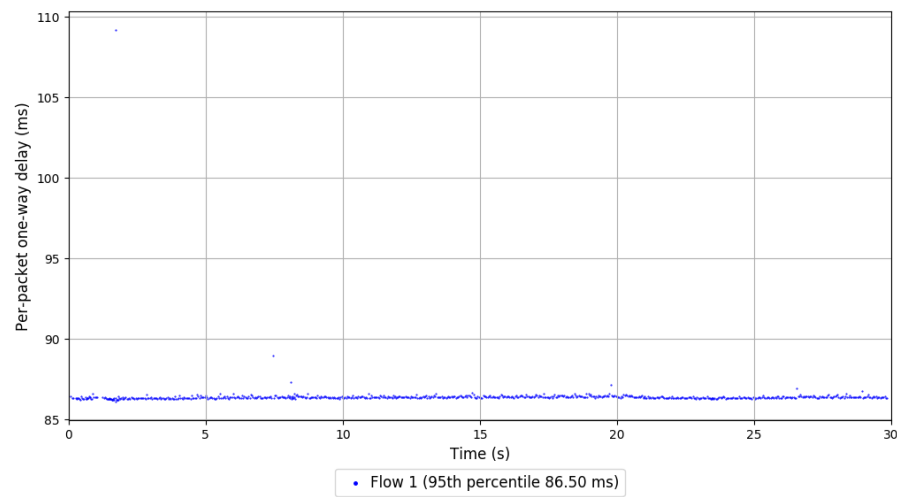
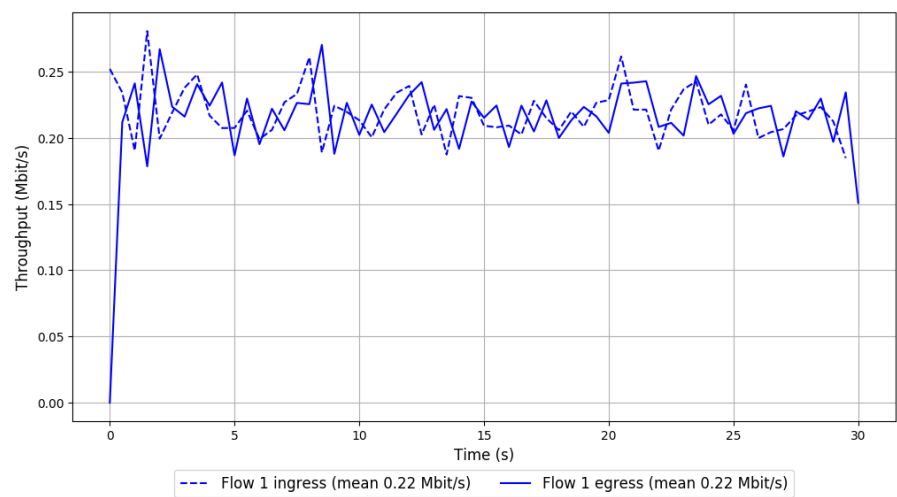


Run 7: Statistics of SCReAM

Start at: 2018-08-10 12:56:11
End at: 2018-08-10 12:56:41
Local clock offset: -0.039 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-08-10 16:04:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.504 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.504 ms
Loss rate: 0.51%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-08-10 13:19:37

End at: 2018-08-10 13:20:07

Local clock offset: -0.087 ms

Remote clock offset: 0.122 ms

Below is generated by plot.py at 2018-08-10 16:04:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.573 ms

Loss rate: 0.64%

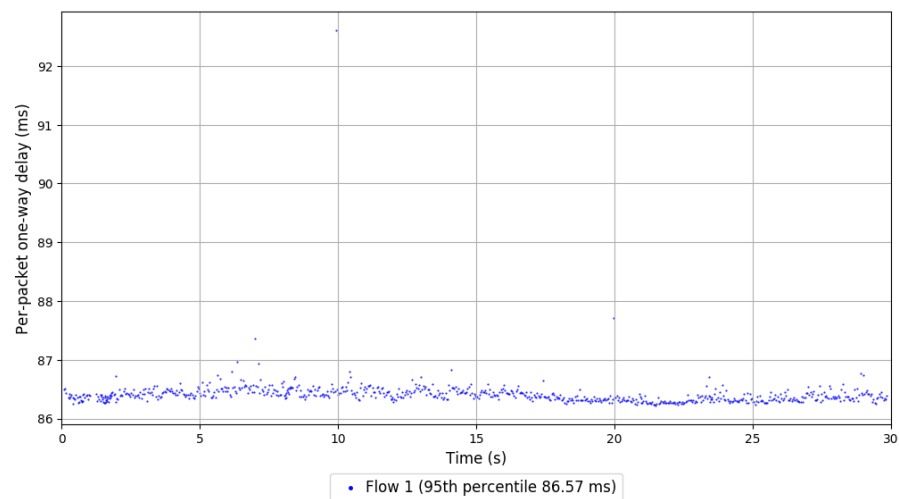
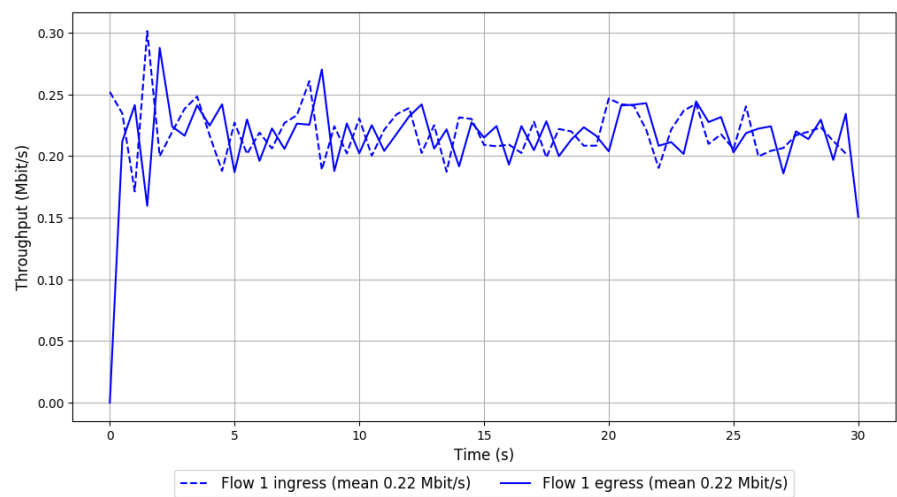
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.573 ms

Loss rate: 0.64%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-08-10 13:42:32

End at: 2018-08-10 13:43:02

Local clock offset: -0.034 ms

Remote clock offset: 0.116 ms

Below is generated by plot.py at 2018-08-10 16:04:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.882 ms

Loss rate: 0.51%

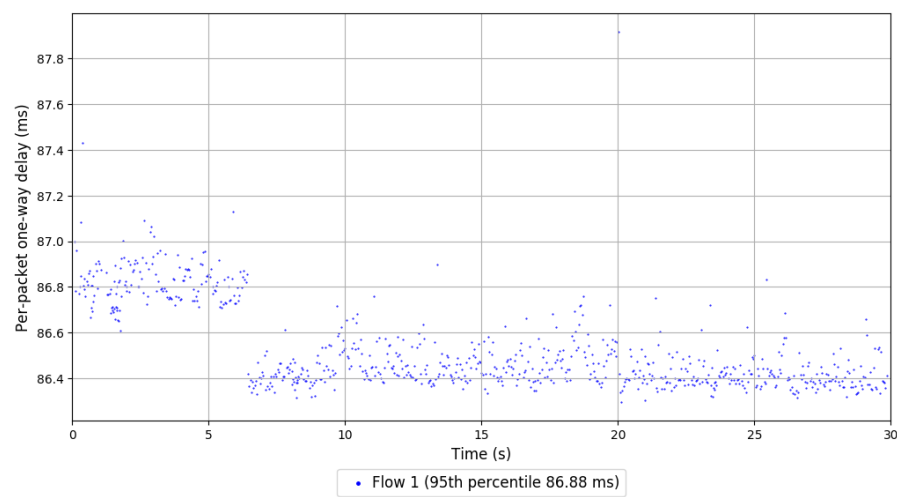
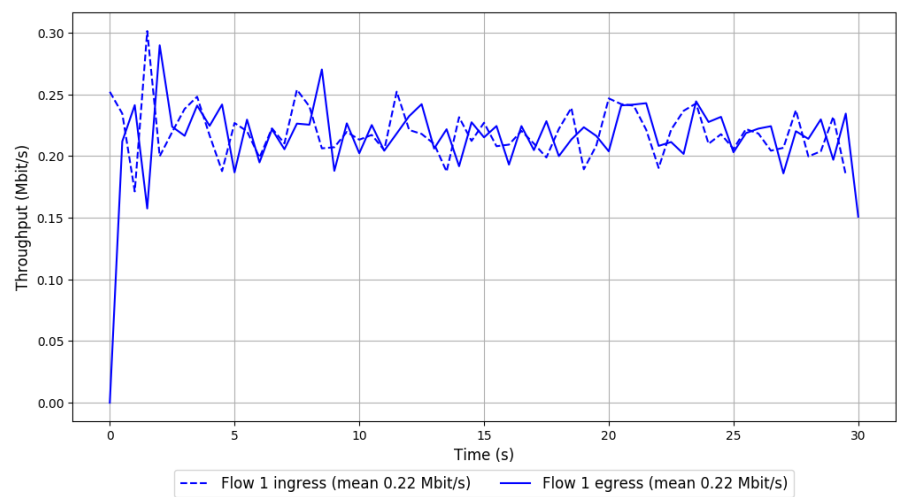
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.882 ms

Loss rate: 0.51%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-08-10 14:05:39

End at: 2018-08-10 14:06:09

Local clock offset: -0.049 ms

Remote clock offset: 0.103 ms

Below is generated by plot.py at 2018-08-10 16:04:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.482 ms

Loss rate: 0.51%

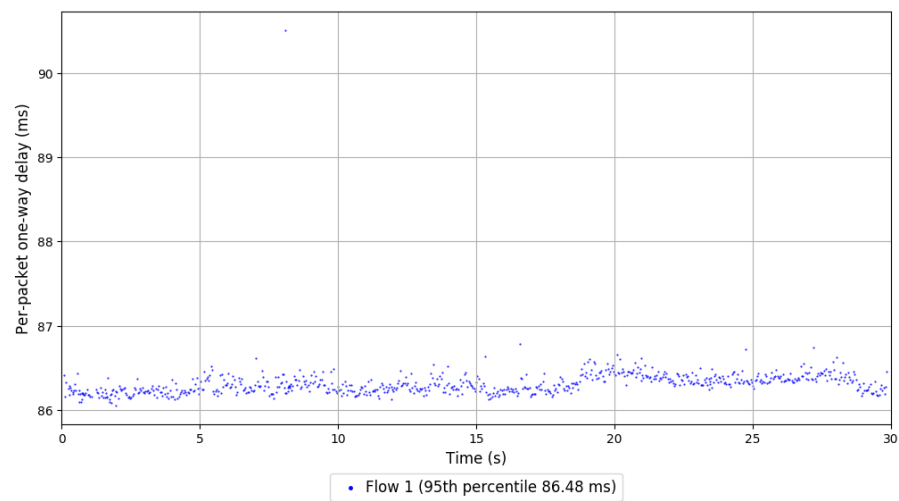
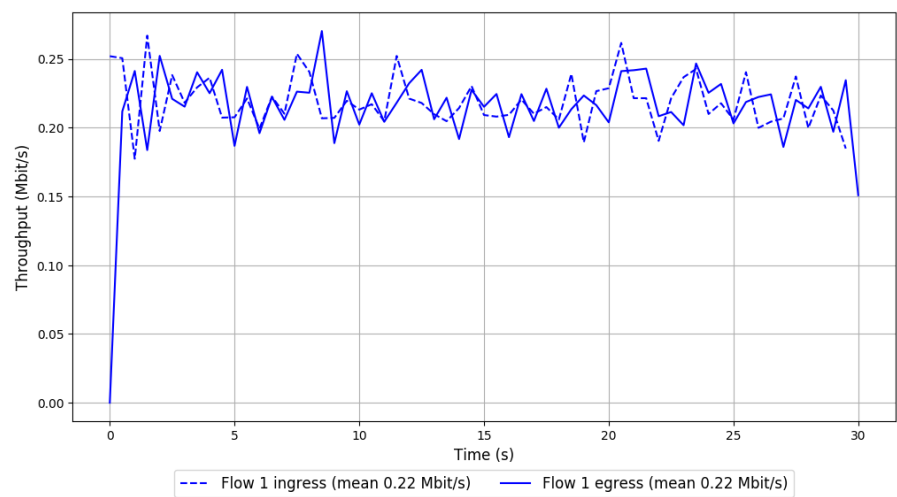
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.482 ms

Loss rate: 0.51%

Run 10: Report of SCReAM — Data Link

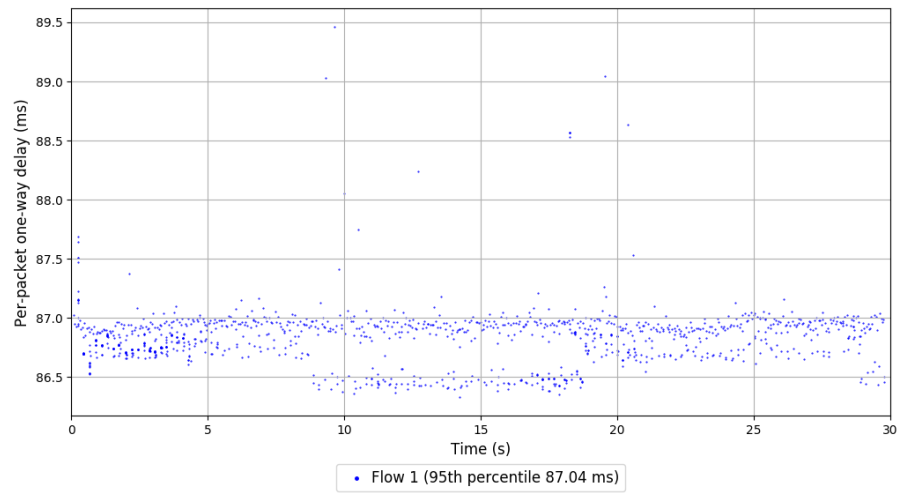
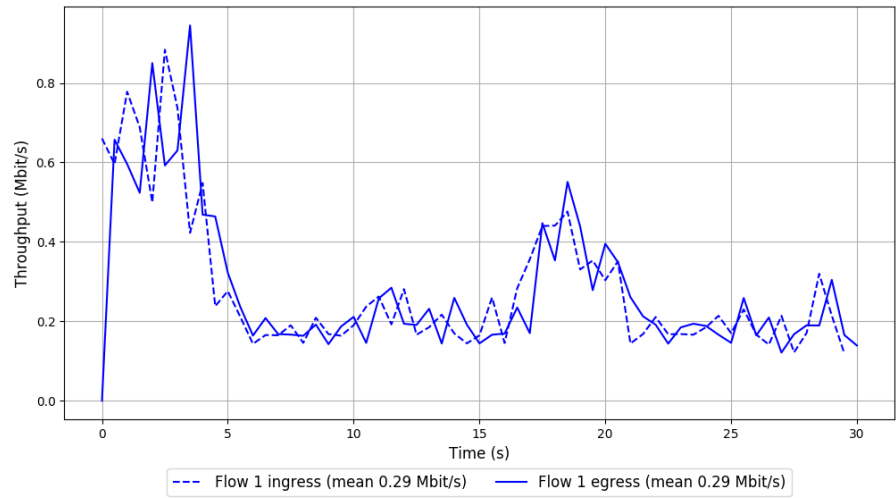


Run 1: Statistics of Sprout

Start at: 2018-08-10 10:42:29
End at: 2018-08-10 10:42:59
Local clock offset: 0.06 ms
Remote clock offset: -0.196 ms

Below is generated by plot.py at 2018-08-10 16:04:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 87.041 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 87.041 ms
Loss rate: 0.28%

Run 1: Report of Sprout — Data Link

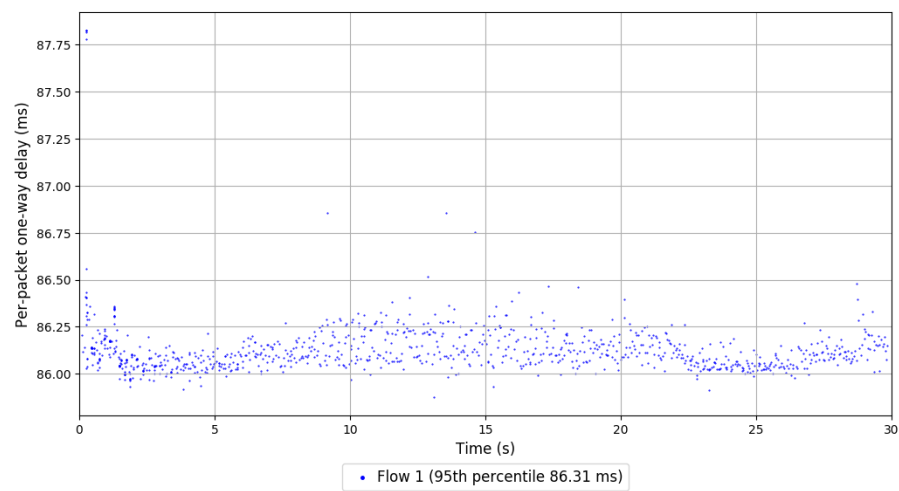
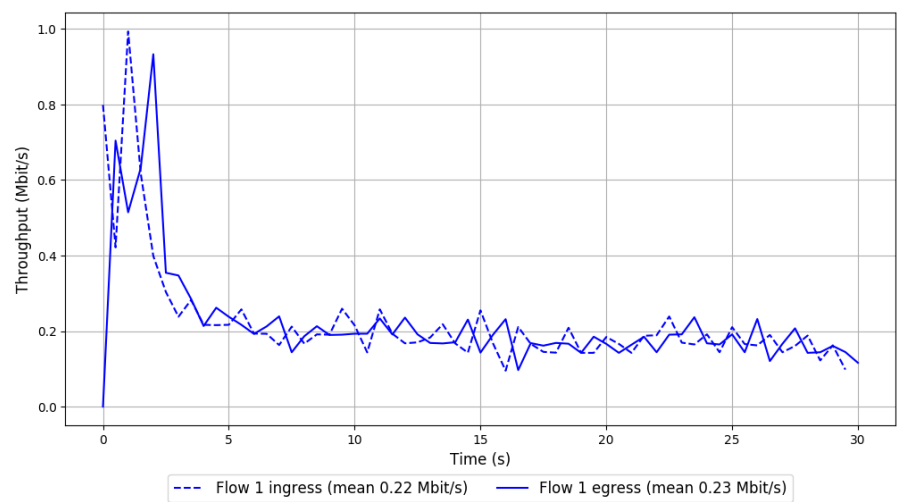


Run 2: Statistics of Sprout

Start at: 2018-08-10 11:05:29
End at: 2018-08-10 11:05:59
Local clock offset: -0.336 ms
Remote clock offset: -0.198 ms

Below is generated by plot.py at 2018-08-10 16:04:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 86.307 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 86.307 ms
Loss rate: 0.20%

Run 2: Report of Sprout — Data Link

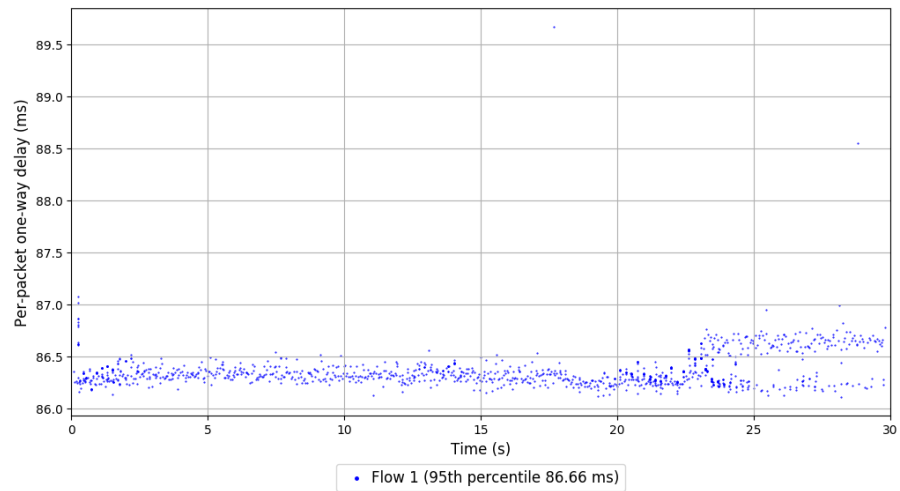
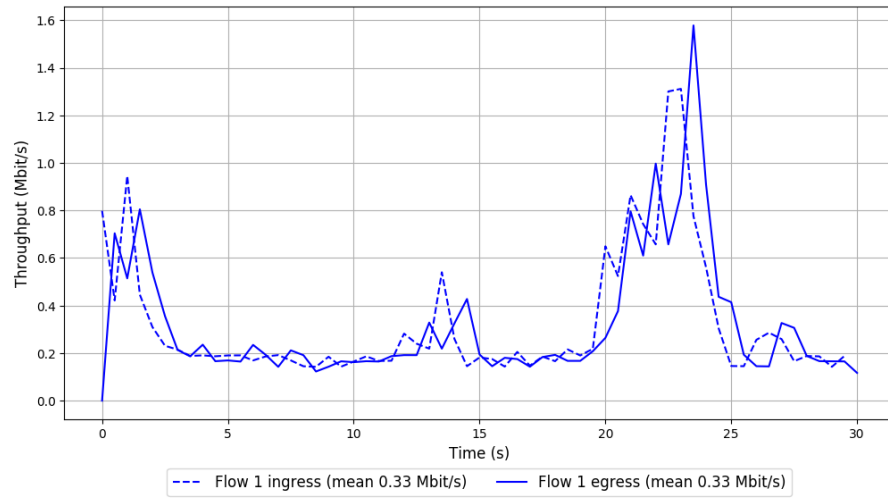


Run 3: Statistics of Sprout

Start at: 2018-08-10 11:28:35
End at: 2018-08-10 11:29:05
Local clock offset: -0.084 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-08-10 16:04:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 86.664 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 86.664 ms
Loss rate: 0.48%

Run 3: Report of Sprout — Data Link

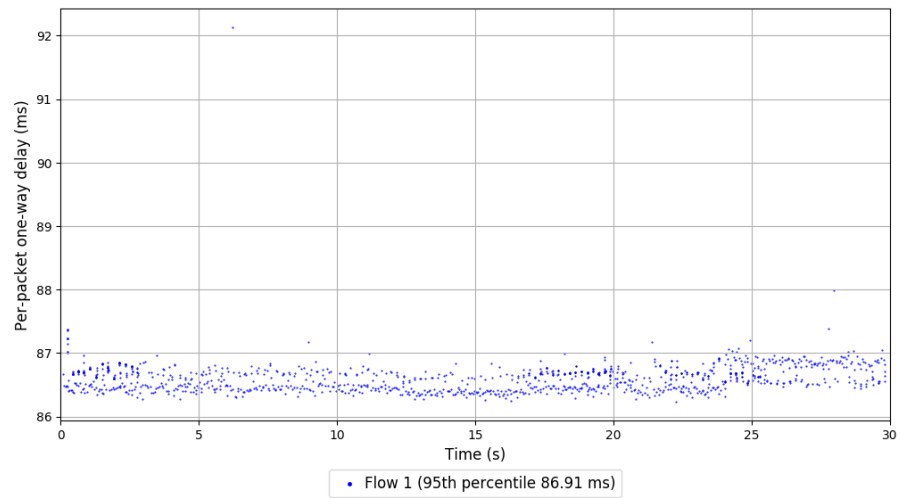
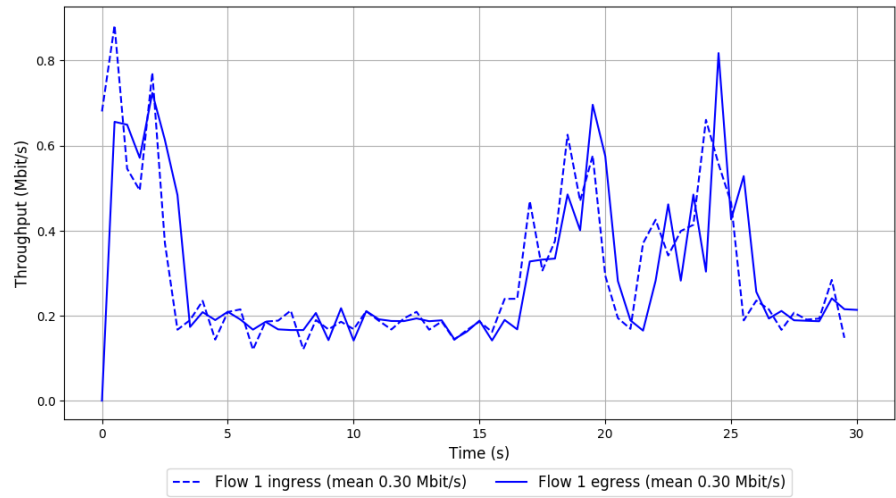


Run 4: Statistics of Sprout

Start at: 2018-08-10 11:51:44
End at: 2018-08-10 11:52:14
Local clock offset: 0.211 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-08-10 16:04:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 86.905 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 86.905 ms
Loss rate: 0.03%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-08-10 12:14:45

End at: 2018-08-10 12:15:16

Local clock offset: -0.271 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-08-10 16:04:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 86.474 ms

Loss rate: 0.43%

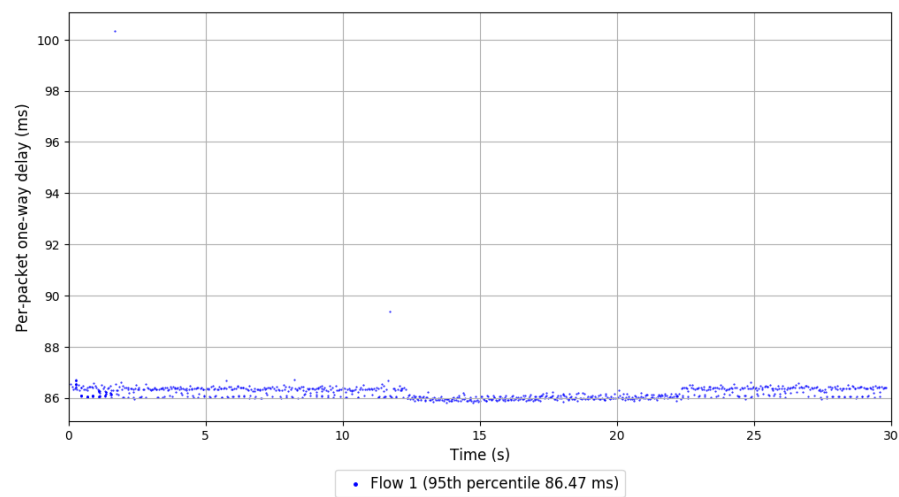
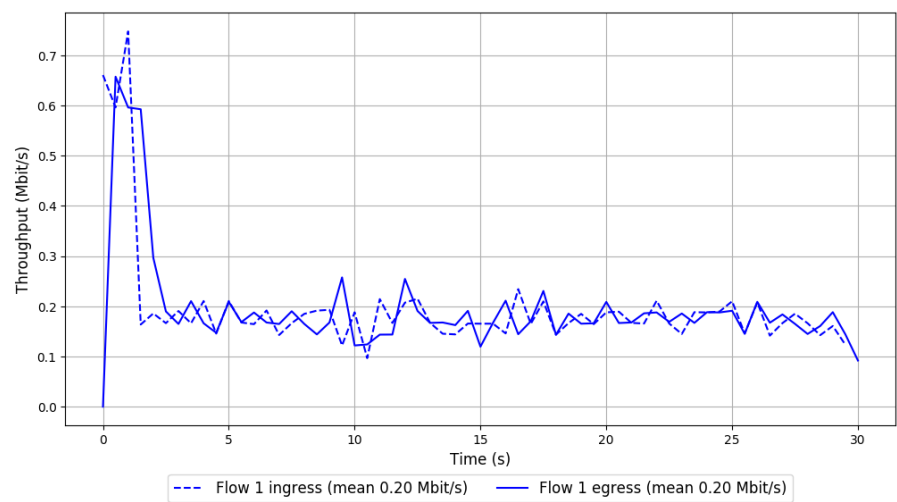
-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 86.474 ms

Loss rate: 0.43%

Run 5: Report of Sprout — Data Link

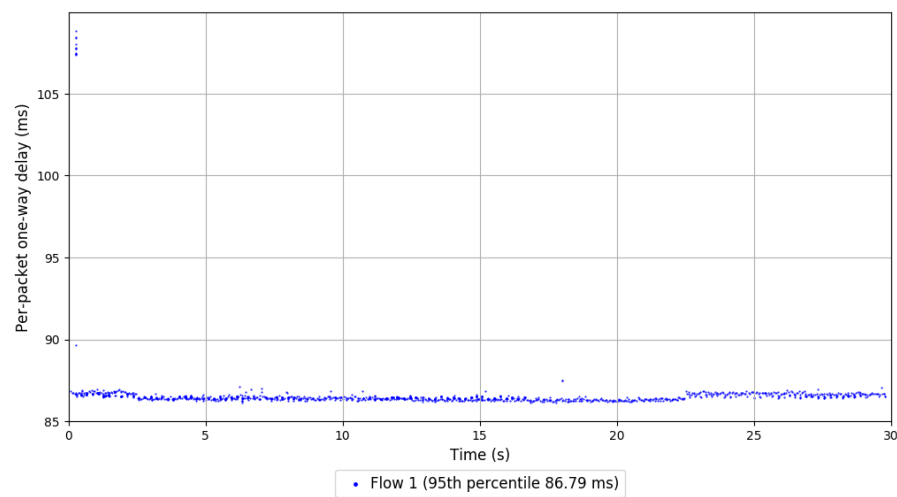
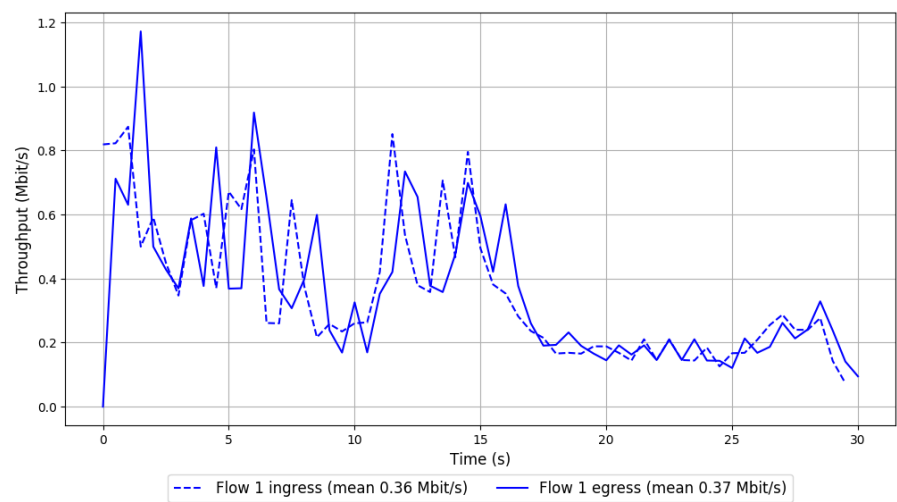


Run 6: Statistics of Sprout

Start at: 2018-08-10 12:38:05
End at: 2018-08-10 12:38:35
Local clock offset: -0.077 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2018-08-10 16:04:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 86.790 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 86.790 ms
Loss rate: 0.10%

Run 6: Report of Sprout — Data Link

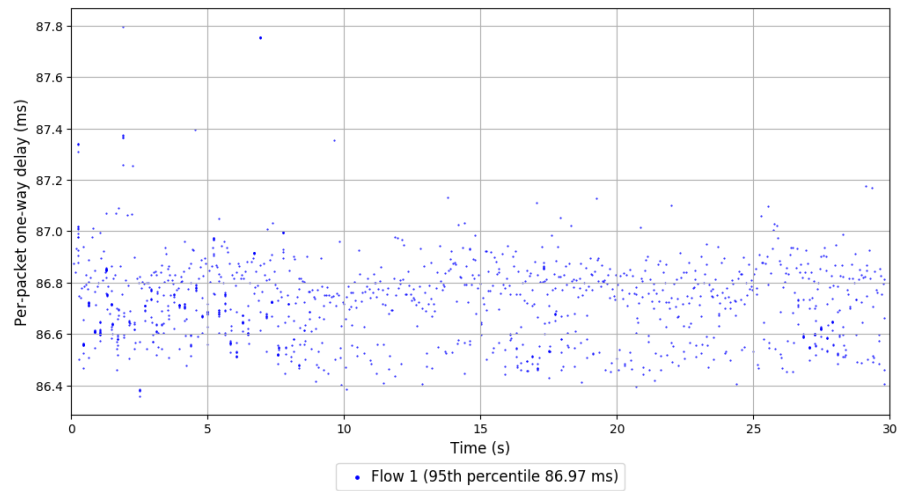
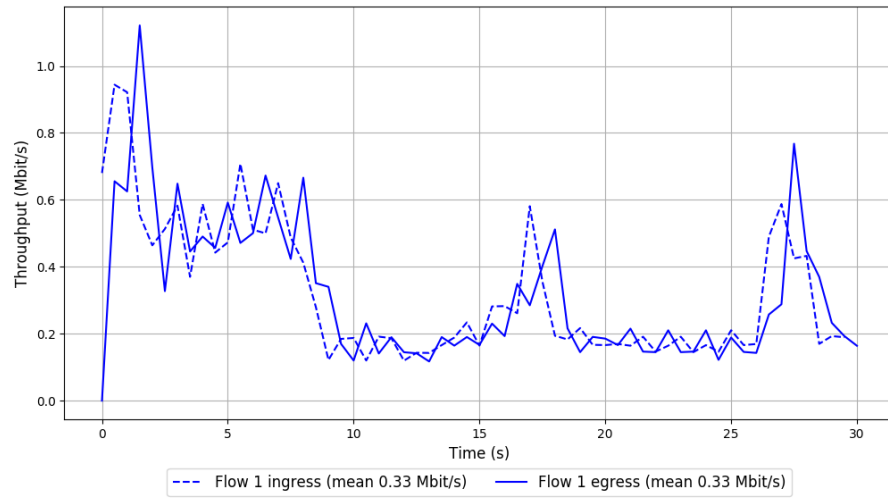


Run 7: Statistics of Sprout

Start at: 2018-08-10 13:01:17
End at: 2018-08-10 13:01:47
Local clock offset: -0.11 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-08-10 16:04:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 86.975 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 86.975 ms
Loss rate: 0.15%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-08-10 13:24:33

End at: 2018-08-10 13:25:03

Local clock offset: -0.142 ms

Remote clock offset: 0.033 ms

Below is generated by plot.py at 2018-08-10 16:04:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 86.636 ms

Loss rate: 0.16%

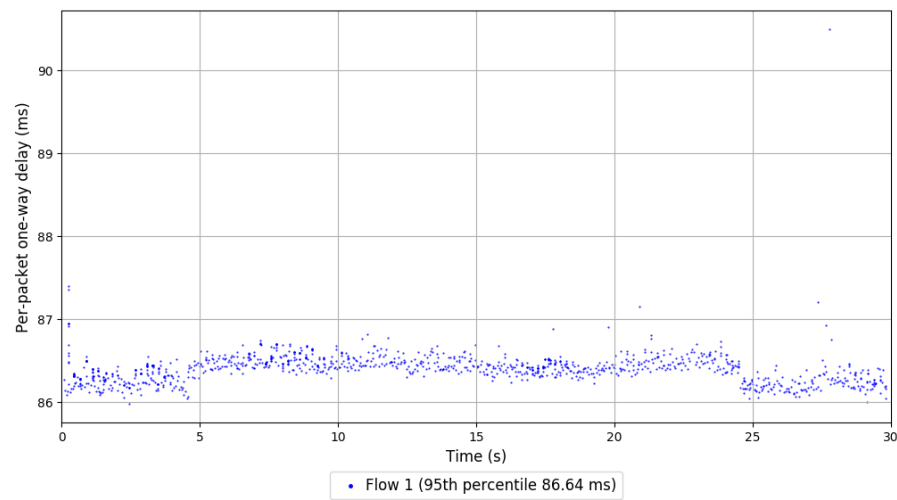
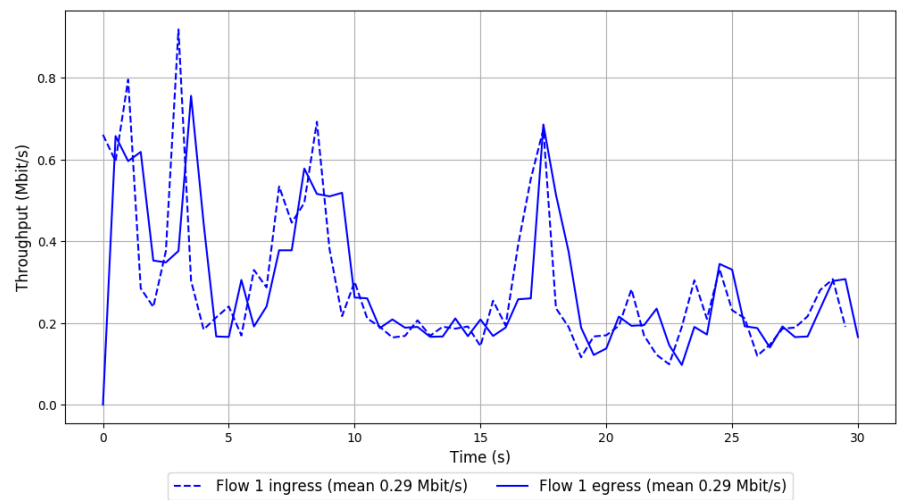
-- Flow 1:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 86.636 ms

Loss rate: 0.16%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-08-10 13:47:37

End at: 2018-08-10 13:48:07

Local clock offset: -0.202 ms

Remote clock offset: 0.115 ms

Below is generated by plot.py at 2018-08-10 16:04:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 86.763 ms

Loss rate: 0.96%

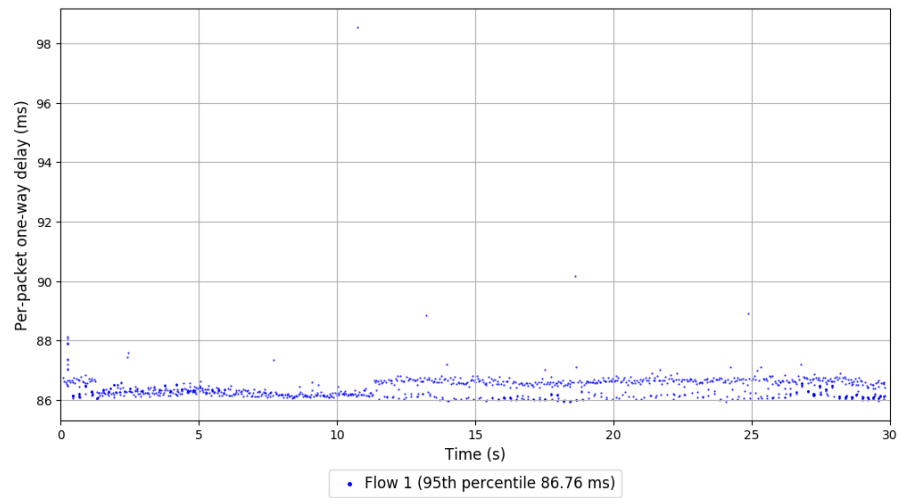
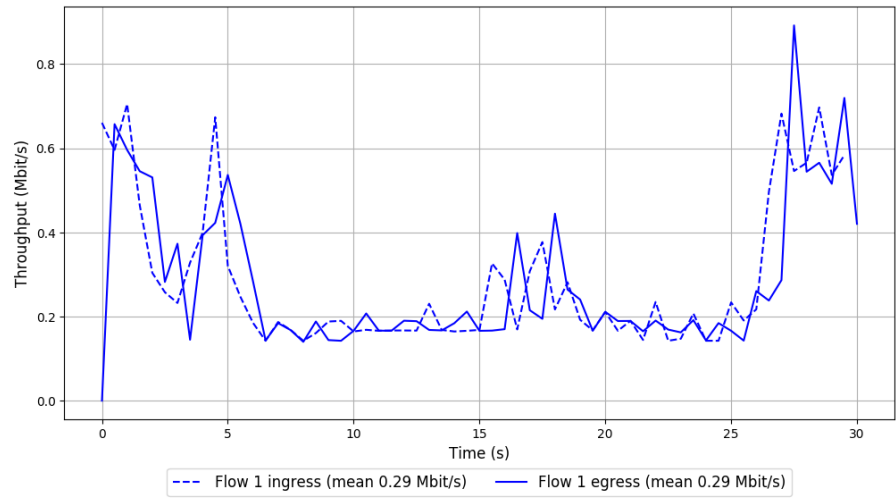
-- Flow 1:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 86.763 ms

Loss rate: 0.96%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-08-10 14:10:38

End at: 2018-08-10 14:11:08

Local clock offset: -0.051 ms

Remote clock offset: 0.066 ms

Below is generated by plot.py at 2018-08-10 16:04:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.32 Mbit/s

95th percentile per-packet one-way delay: 86.846 ms

Loss rate: 0.48%

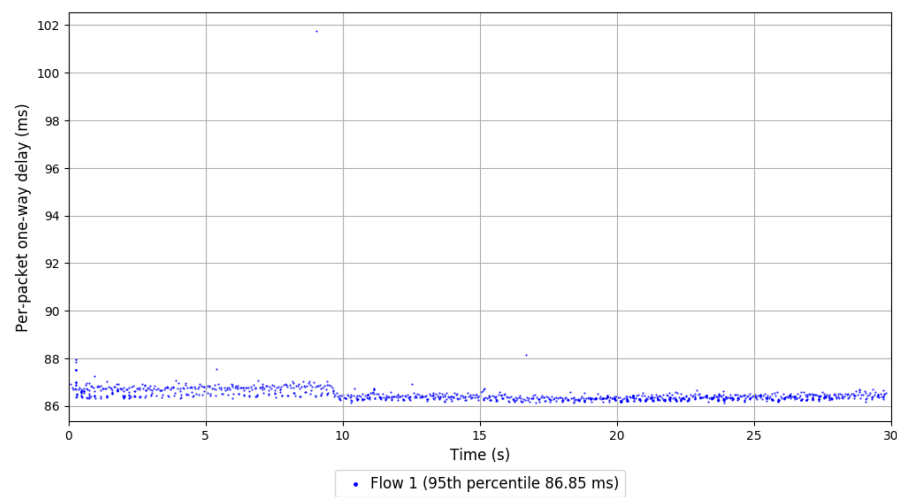
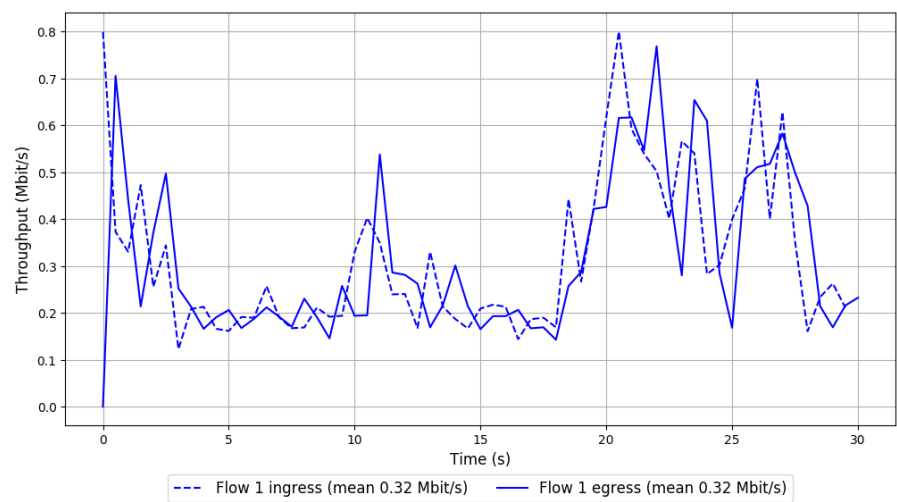
-- Flow 1:

Average throughput: 0.32 Mbit/s

95th percentile per-packet one-way delay: 86.846 ms

Loss rate: 0.48%

Run 10: Report of Sprout — Data Link

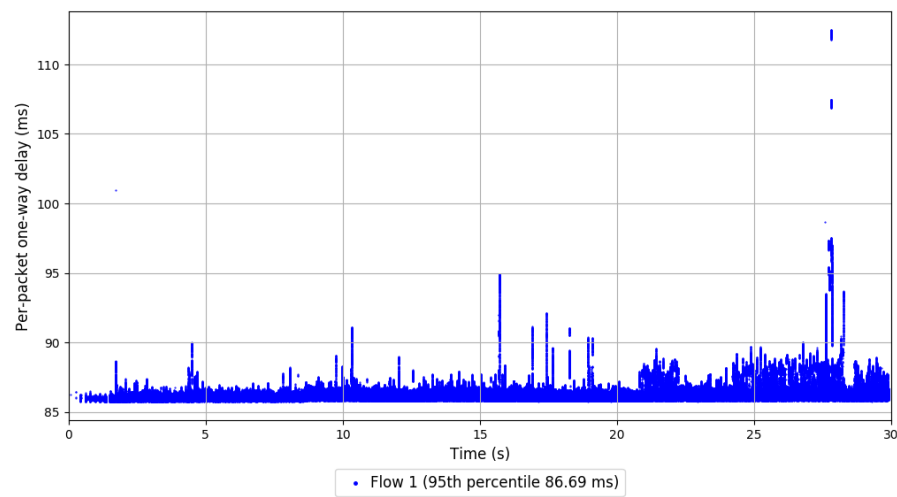
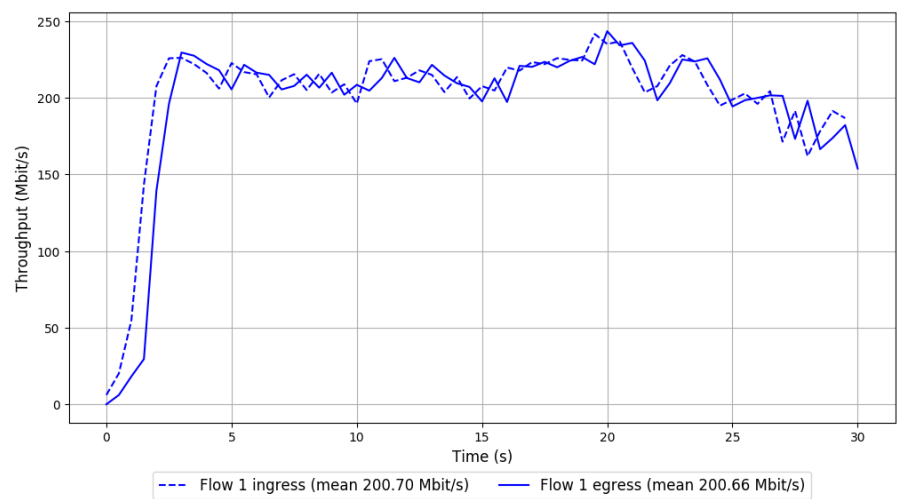


Run 1: Statistics of TaoVA-100x

Start at: 2018-08-10 10:30:19
End at: 2018-08-10 10:30:49
Local clock offset: -0.325 ms
Remote clock offset: -0.163 ms

Below is generated by plot.py at 2018-08-10 16:04:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 200.66 Mbit/s
95th percentile per-packet one-way delay: 86.691 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 200.66 Mbit/s
95th percentile per-packet one-way delay: 86.691 ms
Loss rate: 0.58%

Run 1: Report of TaoVA-100x — Data Link



Run 2: Statistics of TaoVA-100x

Start at: 2018-08-10 10:53:26

End at: 2018-08-10 10:53:56

Local clock offset: 0.059 ms

Remote clock offset: -0.159 ms

Below is generated by plot.py at 2018-08-10 16:04:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.47 Mbit/s

95th percentile per-packet one-way delay: 86.667 ms

Loss rate: 0.62%

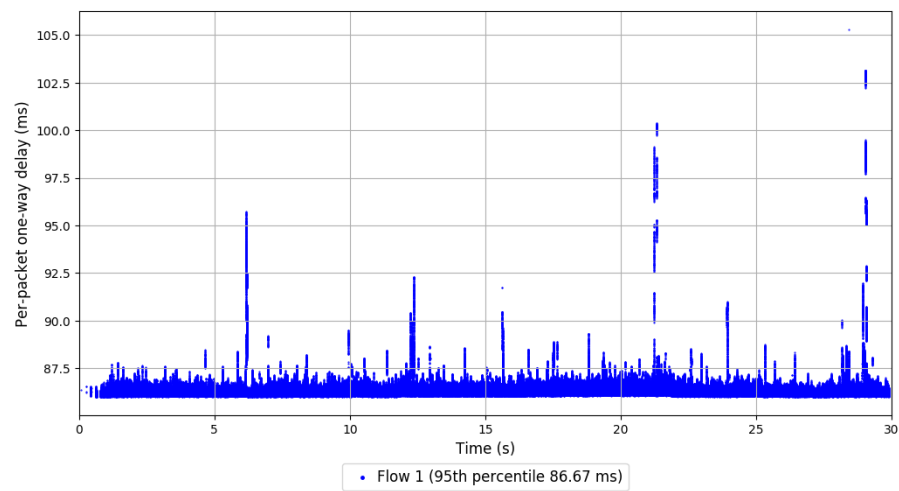
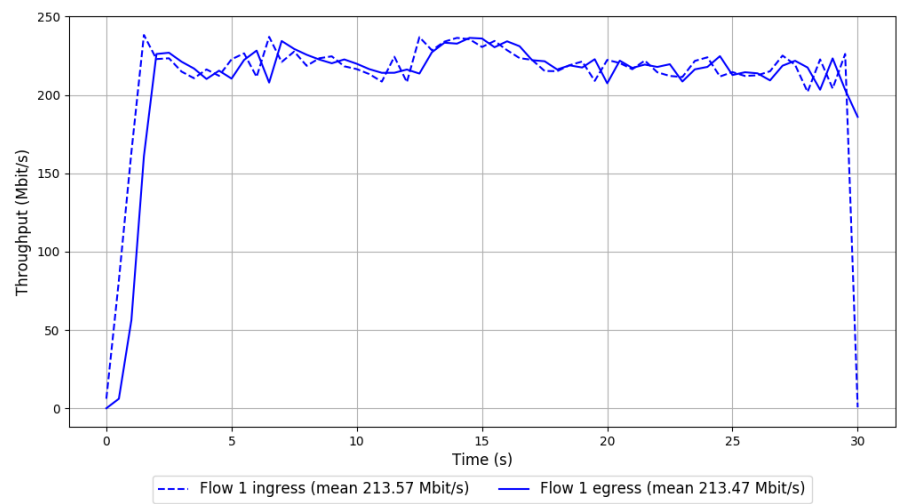
-- Flow 1:

Average throughput: 213.47 Mbit/s

95th percentile per-packet one-way delay: 86.667 ms

Loss rate: 0.62%

Run 2: Report of TaoVA-100x — Data Link

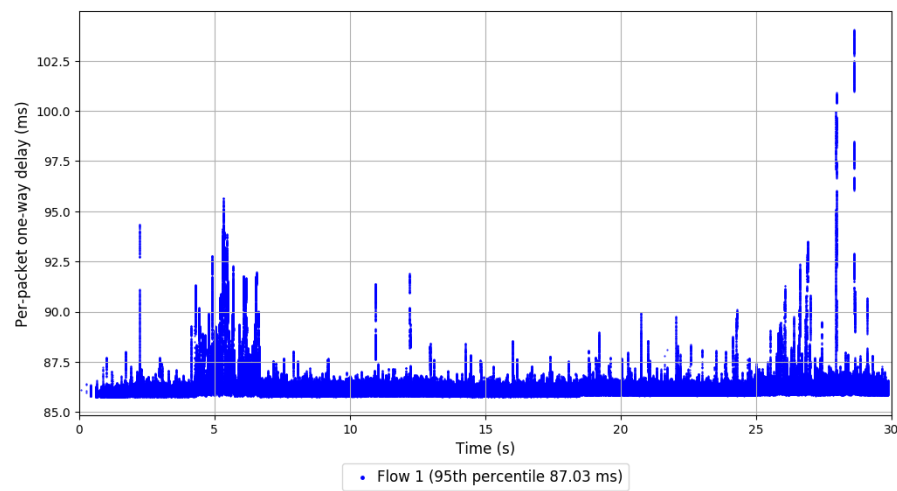
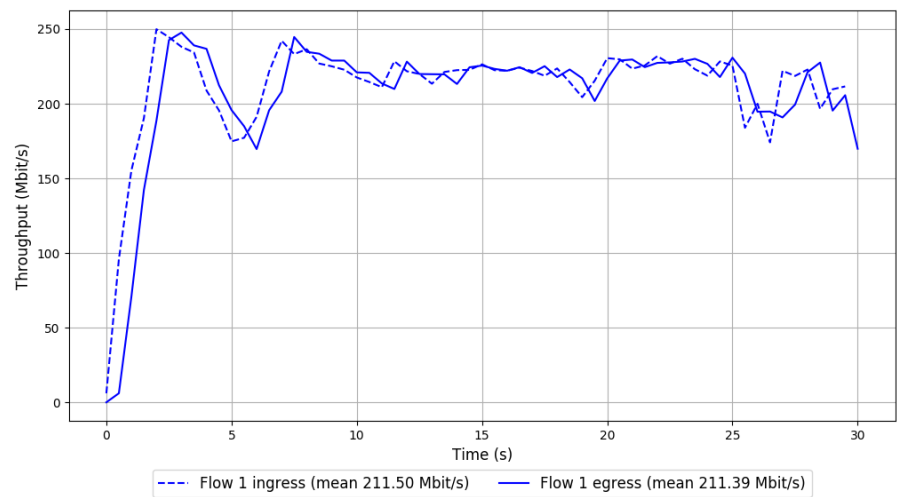


Run 3: Statistics of TaoVA-100x

Start at: 2018-08-10 11:16:19
End at: 2018-08-10 11:16:49
Local clock offset: -0.114 ms
Remote clock offset: -0.114 ms

Below is generated by plot.py at 2018-08-10 16:05:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 211.39 Mbit/s
95th percentile per-packet one-way delay: 87.031 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 211.39 Mbit/s
95th percentile per-packet one-way delay: 87.031 ms
Loss rate: 0.63%

Run 3: Report of TaoVA-100x — Data Link



Run 4: Statistics of TaoVA-100x

Start at: 2018-08-10 11:39:26

End at: 2018-08-10 11:39:56

Local clock offset: -0.12 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-08-10 16:06:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 212.25 Mbit/s

95th percentile per-packet one-way delay: 86.548 ms

Loss rate: 0.64%

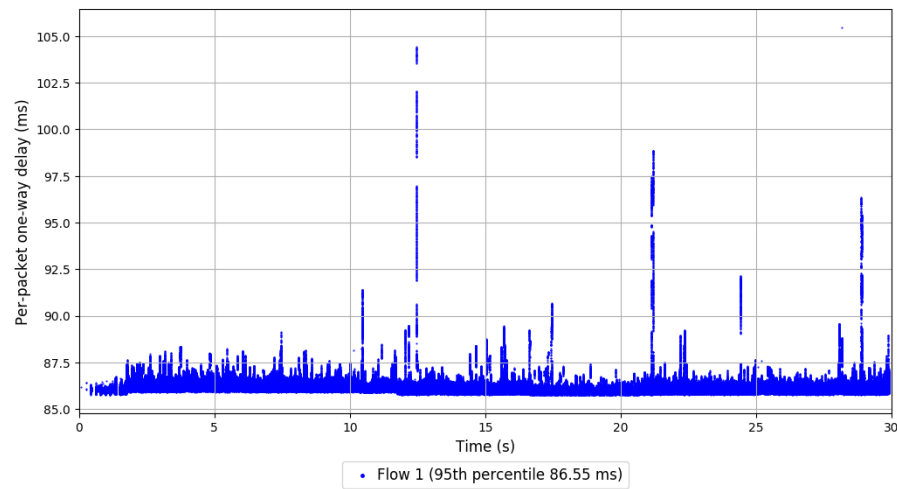
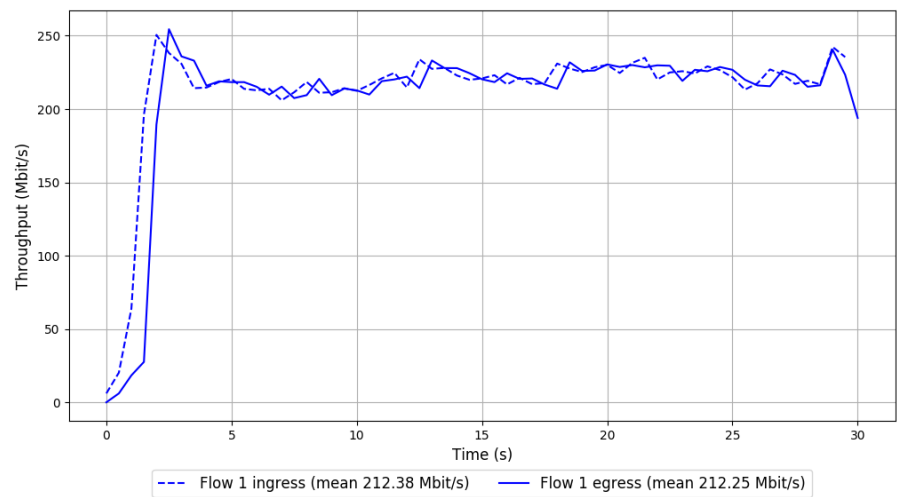
-- Flow 1:

Average throughput: 212.25 Mbit/s

95th percentile per-packet one-way delay: 86.548 ms

Loss rate: 0.64%

Run 4: Report of TaoVA-100x — Data Link



Run 5: Statistics of TaoVA-100x

Start at: 2018-08-10 12:02:33

End at: 2018-08-10 12:03:03

Local clock offset: 0.158 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-08-10 16:08:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.53 Mbit/s

95th percentile per-packet one-way delay: 86.822 ms

Loss rate: 0.54%

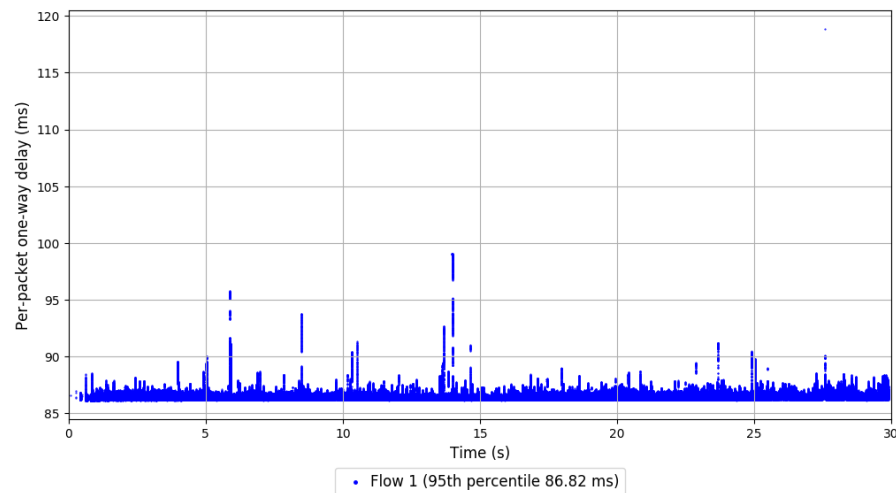
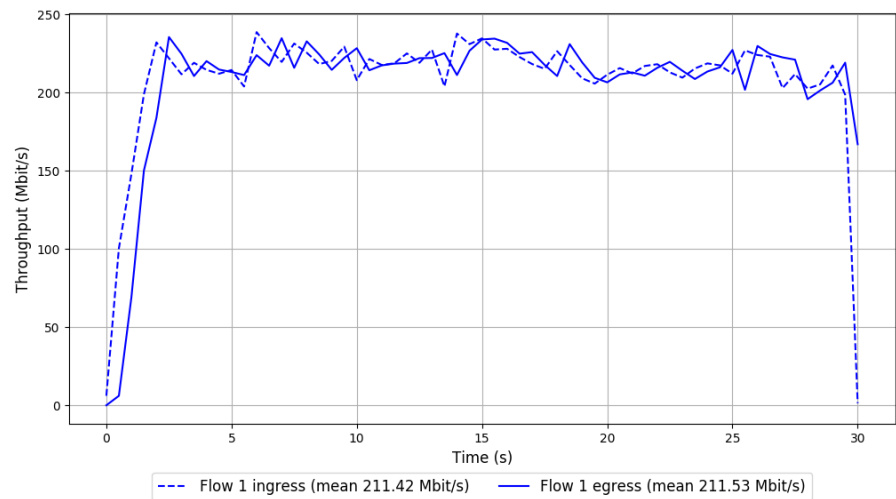
-- Flow 1:

Average throughput: 211.53 Mbit/s

95th percentile per-packet one-way delay: 86.822 ms

Loss rate: 0.54%

Run 5: Report of TaoVA-100x — Data Link

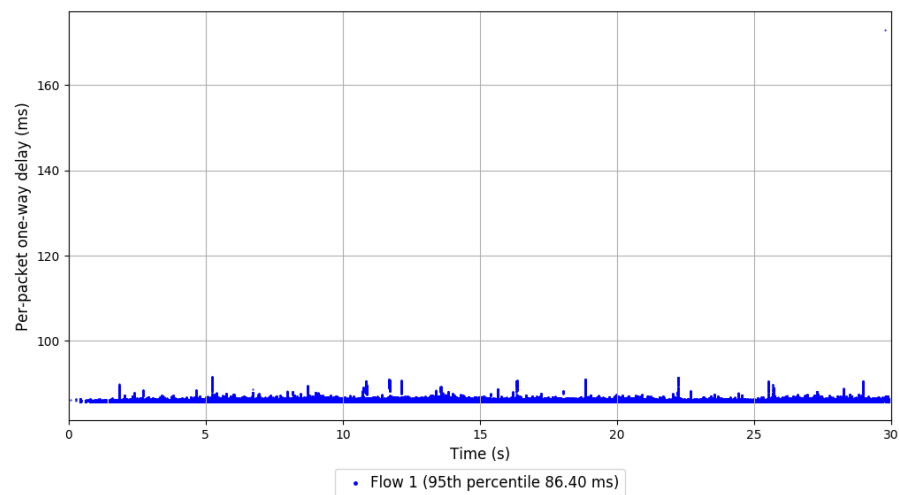
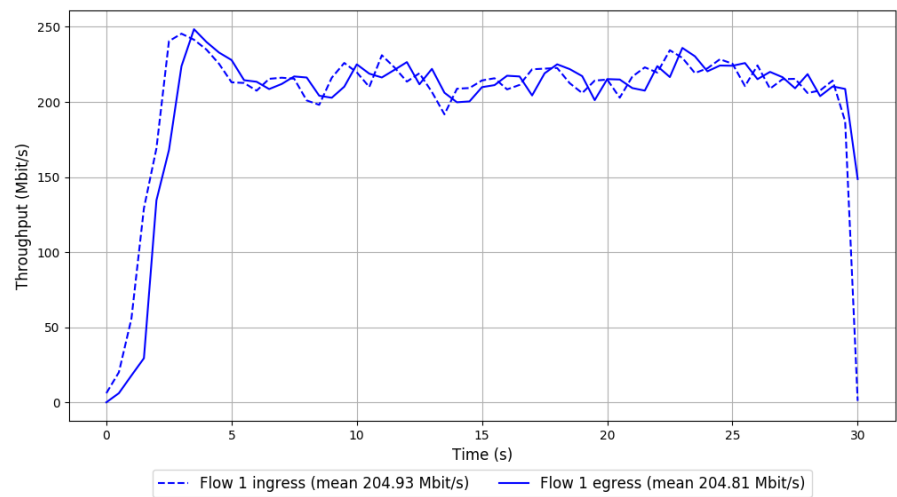


Run 6: Statistics of TaoVA-100x

Start at: 2018-08-10 12:25:48
End at: 2018-08-10 12:26:18
Local clock offset: -0.279 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-08-10 16:10:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 204.81 Mbit/s
95th percentile per-packet one-way delay: 86.398 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 204.81 Mbit/s
95th percentile per-packet one-way delay: 86.398 ms
Loss rate: 0.64%

Run 6: Report of TaoVA-100x — Data Link

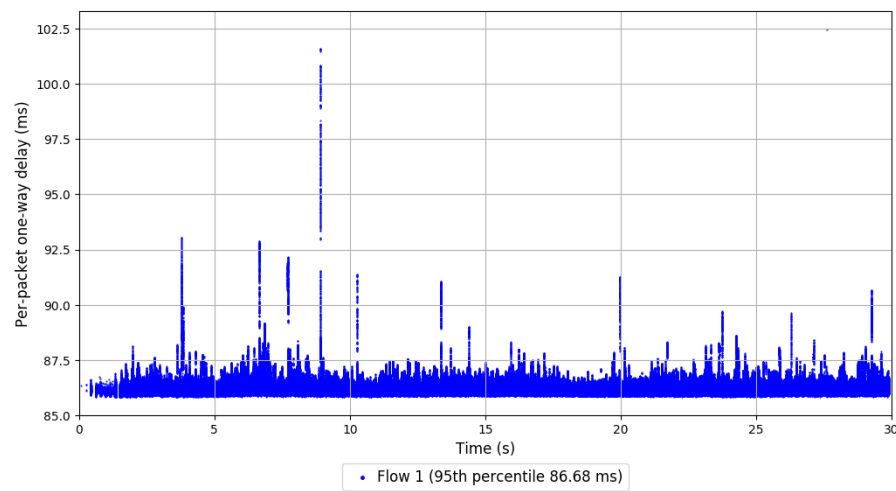
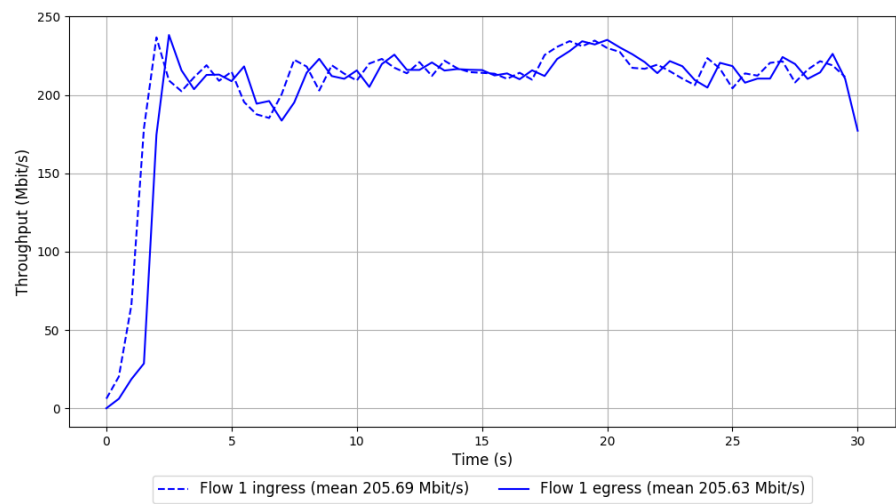


Run 7: Statistics of TaoVA-100x

Start at: 2018-08-10 12:48:55
End at: 2018-08-10 12:49:25
Local clock offset: -0.207 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-08-10 16:10:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 205.63 Mbit/s
95th percentile per-packet one-way delay: 86.679 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 205.63 Mbit/s
95th percentile per-packet one-way delay: 86.679 ms
Loss rate: 0.61%

Run 7: Report of TaoVA-100x — Data Link



Run 8: Statistics of TaoVA-100x

Start at: 2018-08-10 13:12:22

End at: 2018-08-10 13:12:52

Local clock offset: -0.048 ms

Remote clock offset: 0.074 ms

Below is generated by plot.py at 2018-08-10 16:11:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 204.80 Mbit/s

95th percentile per-packet one-way delay: 86.997 ms

Loss rate: 0.76%

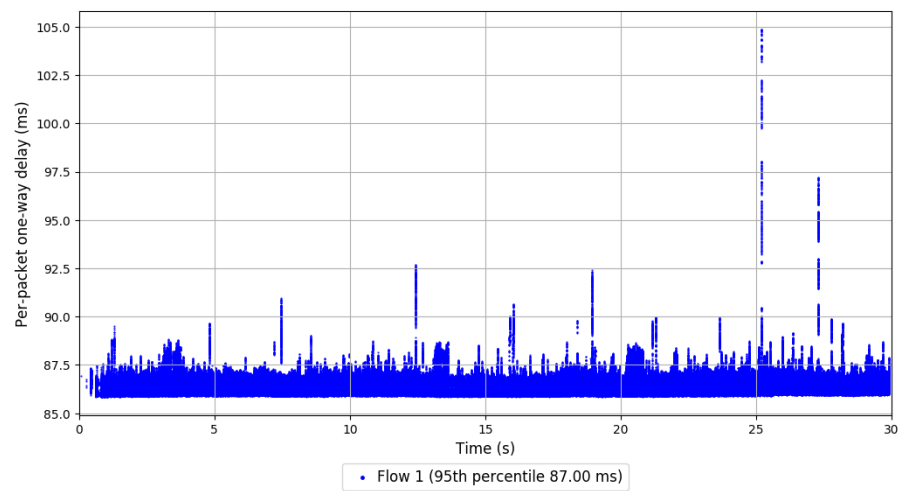
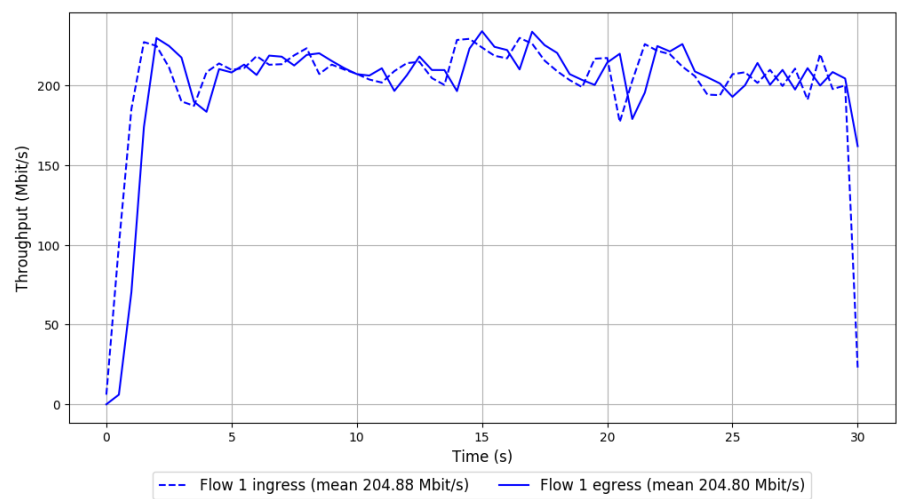
-- Flow 1:

Average throughput: 204.80 Mbit/s

95th percentile per-packet one-way delay: 86.997 ms

Loss rate: 0.76%

Run 8: Report of TaoVA-100x — Data Link



Run 9: Statistics of TaoVA-100x

Start at: 2018-08-10 13:35:14

End at: 2018-08-10 13:35:44

Local clock offset: -0.024 ms

Remote clock offset: 0.087 ms

Below is generated by plot.py at 2018-08-10 16:11:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.17 Mbit/s

95th percentile per-packet one-way delay: 86.665 ms

Loss rate: 0.57%

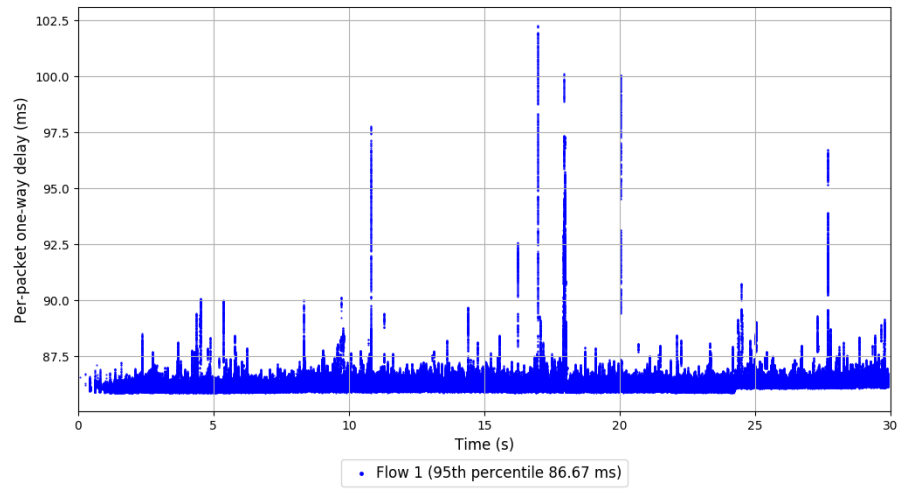
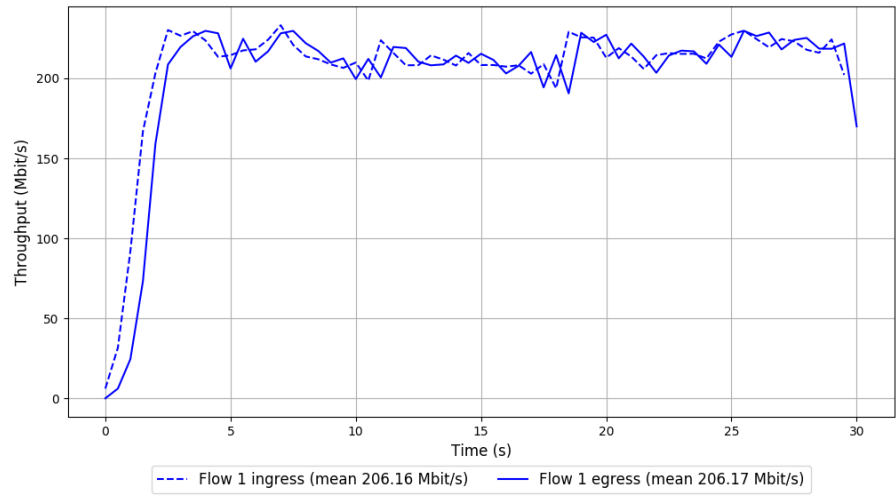
-- Flow 1:

Average throughput: 206.17 Mbit/s

95th percentile per-packet one-way delay: 86.665 ms

Loss rate: 0.57%

Run 9: Report of TaoVA-100x — Data Link

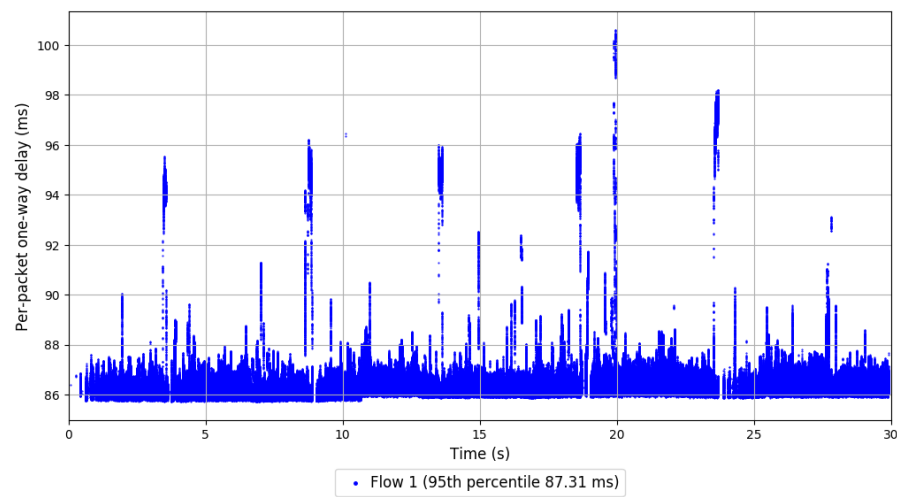
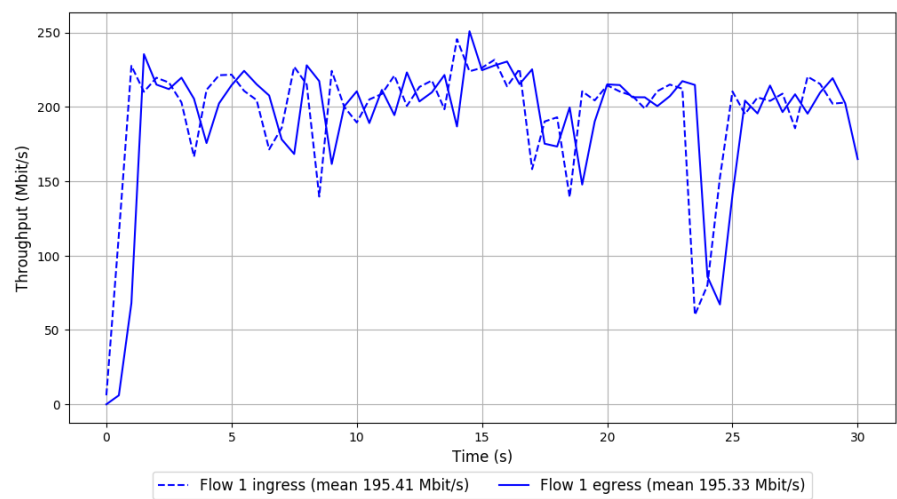


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-08-10 13:58:27
End at: 2018-08-10 13:58:57
Local clock offset: -0.229 ms
Remote clock offset: 0.114 ms

# Below is generated by plot.py at 2018-08-10 16:11:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 195.33 Mbit/s
95th percentile per-packet one-way delay: 87.306 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 195.33 Mbit/s
95th percentile per-packet one-way delay: 87.306 ms
Loss rate: 0.62%
```

Run 10: Report of TaoVA-100x — Data Link

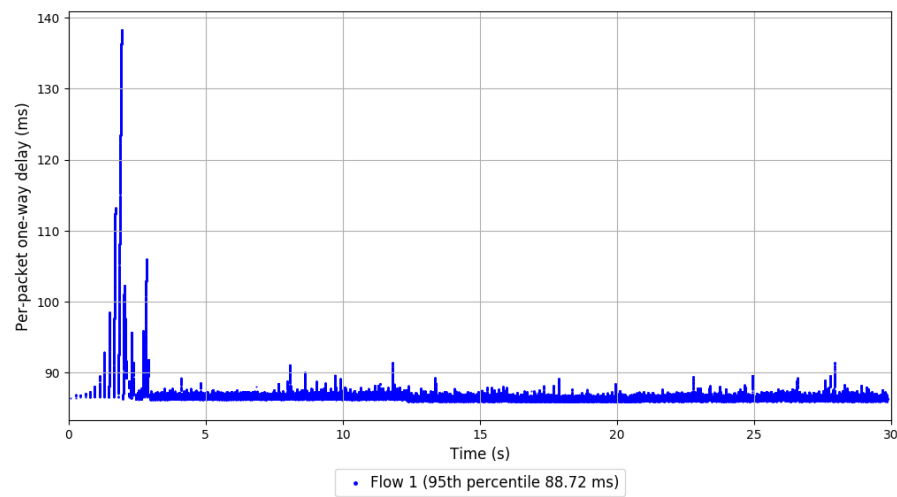
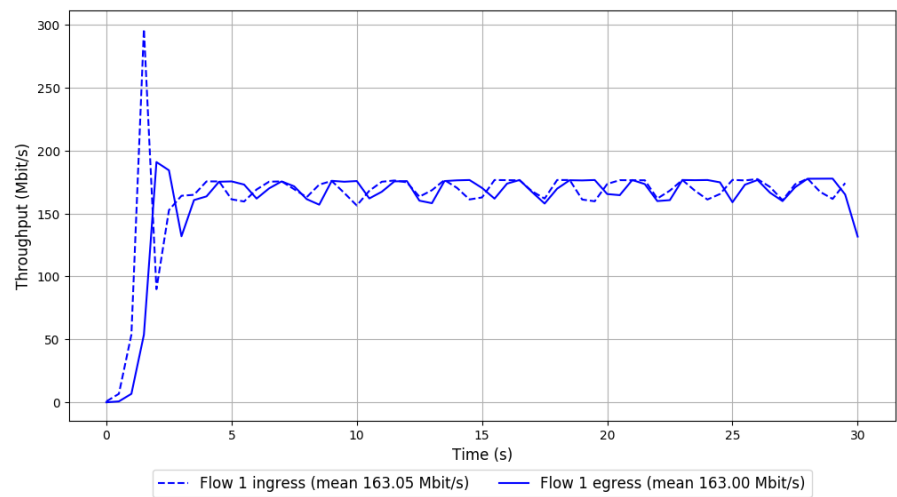


Run 1: Statistics of TCP Vegas

Start at: 2018-08-10 10:43:36
End at: 2018-08-10 10:44:06
Local clock offset: -0.124 ms
Remote clock offset: -0.163 ms

Below is generated by plot.py at 2018-08-10 16:11:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 163.00 Mbit/s
95th percentile per-packet one-way delay: 88.722 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 163.00 Mbit/s
95th percentile per-packet one-way delay: 88.722 ms
Loss rate: 0.61%

Run 1: Report of TCP Vegas — Data Link

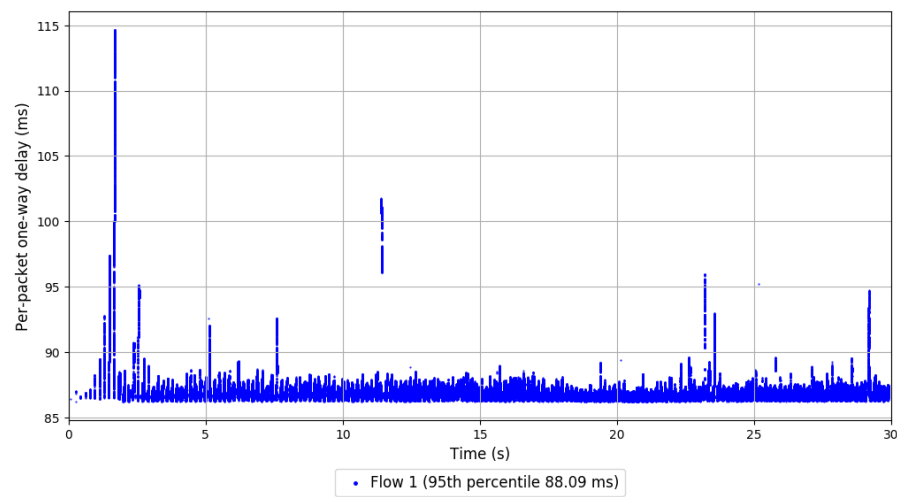
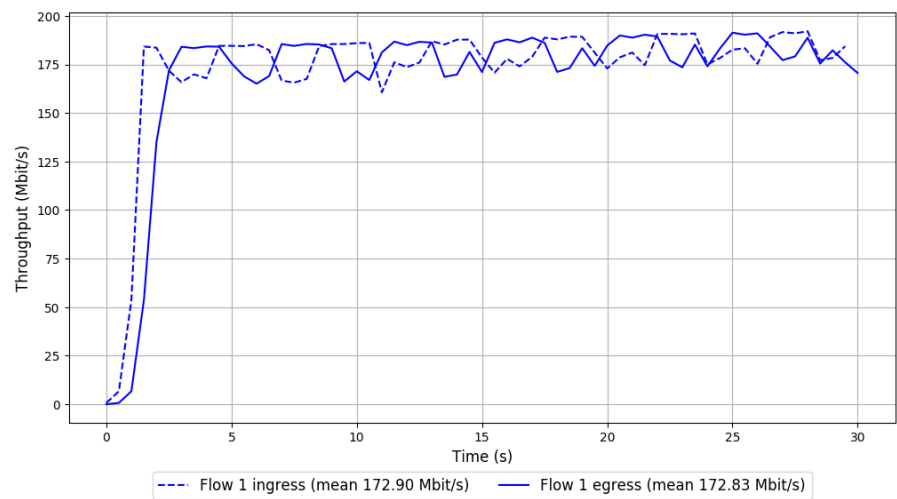


Run 2: Statistics of TCP Vegas

Start at: 2018-08-10 11:06:36
End at: 2018-08-10 11:07:06
Local clock offset: -0.031 ms
Remote clock offset: -0.162 ms

Below is generated by plot.py at 2018-08-10 16:11:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 172.83 Mbit/s
95th percentile per-packet one-way delay: 88.087 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 172.83 Mbit/s
95th percentile per-packet one-way delay: 88.087 ms
Loss rate: 0.62%

Run 2: Report of TCP Vegas — Data Link

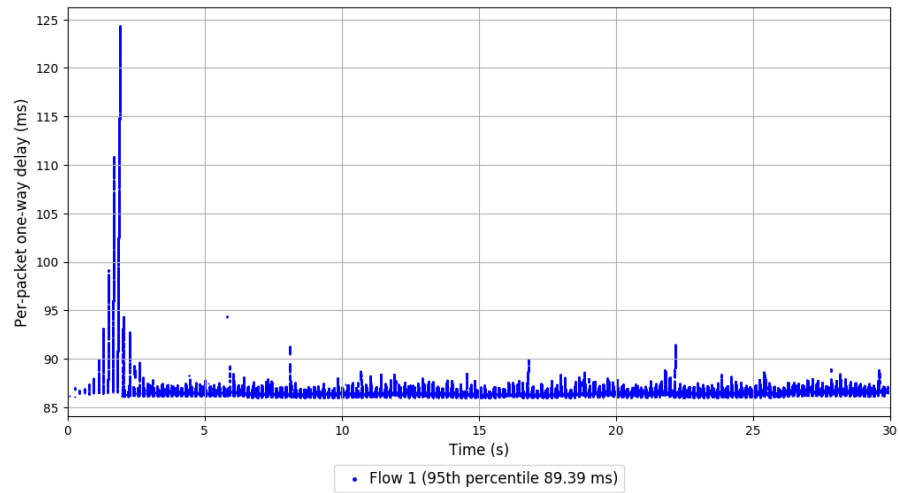
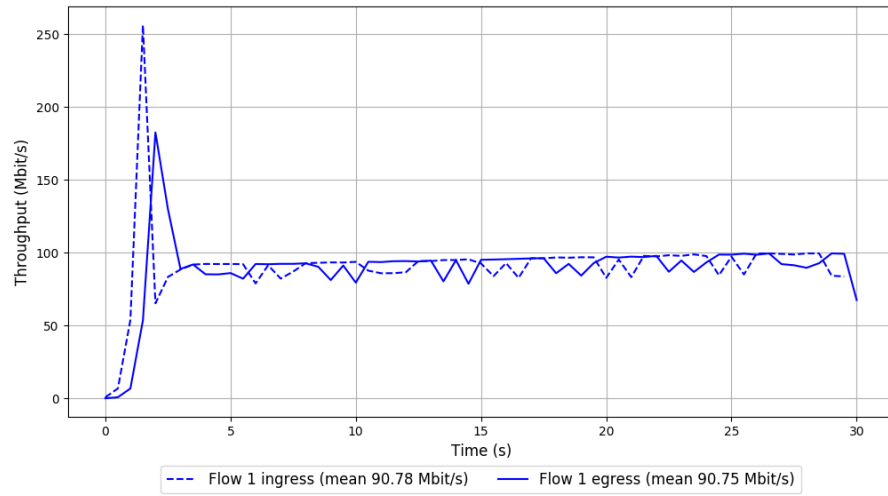


Run 3: Statistics of TCP Vegas

Start at: 2018-08-10 11:29:42
End at: 2018-08-10 11:30:12
Local clock offset: -0.009 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-08-10 16:11:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.75 Mbit/s
95th percentile per-packet one-way delay: 89.388 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 90.75 Mbit/s
95th percentile per-packet one-way delay: 89.388 ms
Loss rate: 0.61%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-08-10 11:52:50

End at: 2018-08-10 11:53:20

Local clock offset: -0.049 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-08-10 16:11:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 124.09 Mbit/s

95th percentile per-packet one-way delay: 89.076 ms

Loss rate: 0.61%

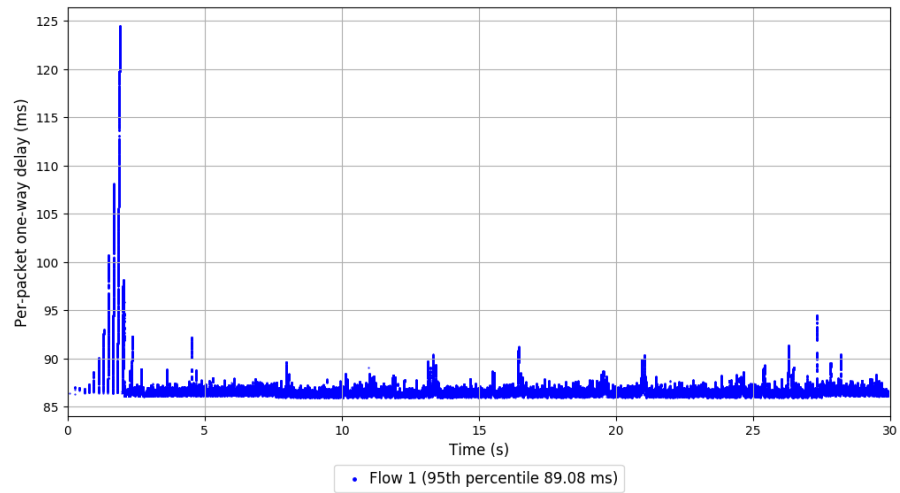
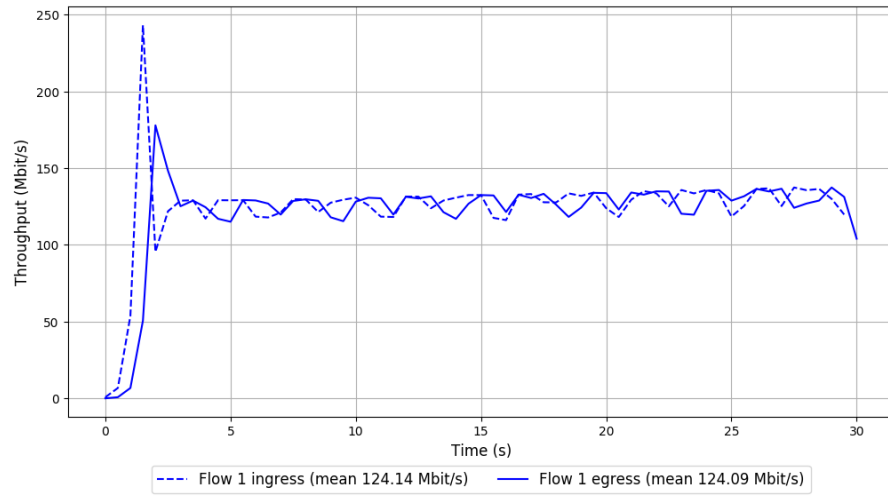
-- Flow 1:

Average throughput: 124.09 Mbit/s

95th percentile per-packet one-way delay: 89.076 ms

Loss rate: 0.61%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-08-10 12:15:52

End at: 2018-08-10 12:16:22

Local clock offset: -0.021 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-08-10 16:11:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 99.17 Mbit/s

95th percentile per-packet one-way delay: 92.313 ms

Loss rate: 0.55%

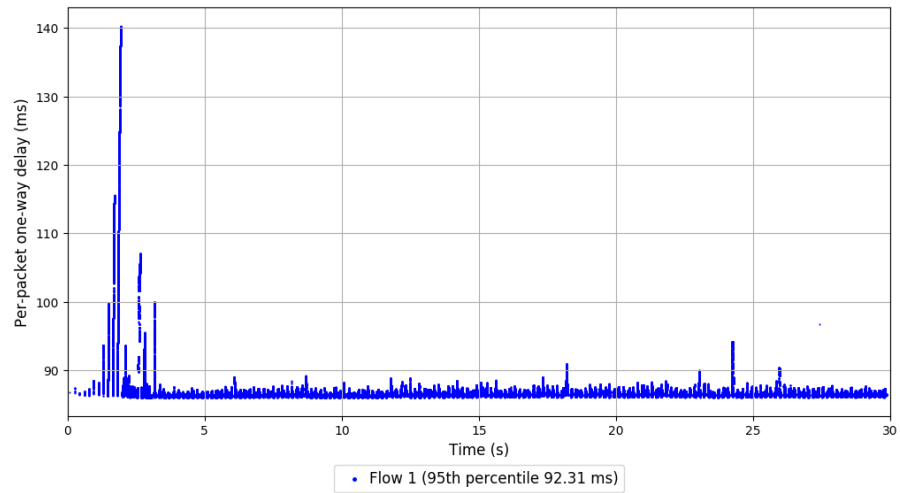
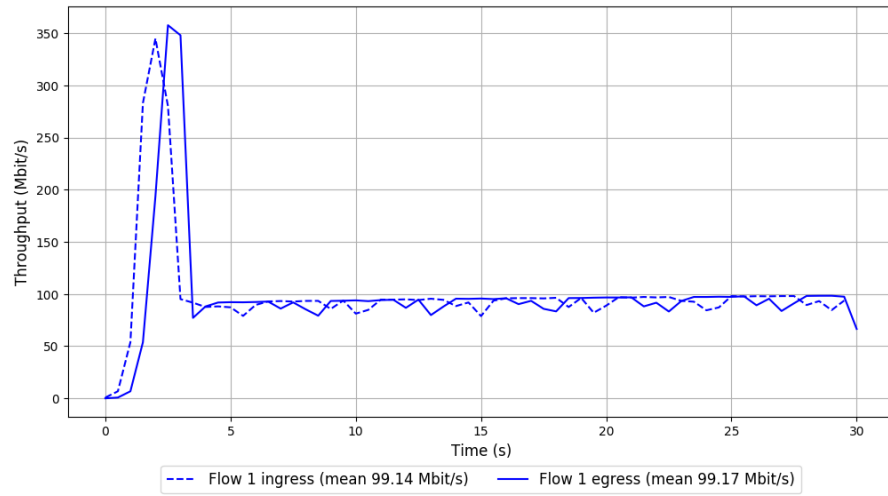
-- Flow 1:

Average throughput: 99.17 Mbit/s

95th percentile per-packet one-way delay: 92.313 ms

Loss rate: 0.55%

Run 5: Report of TCP Vegas — Data Link

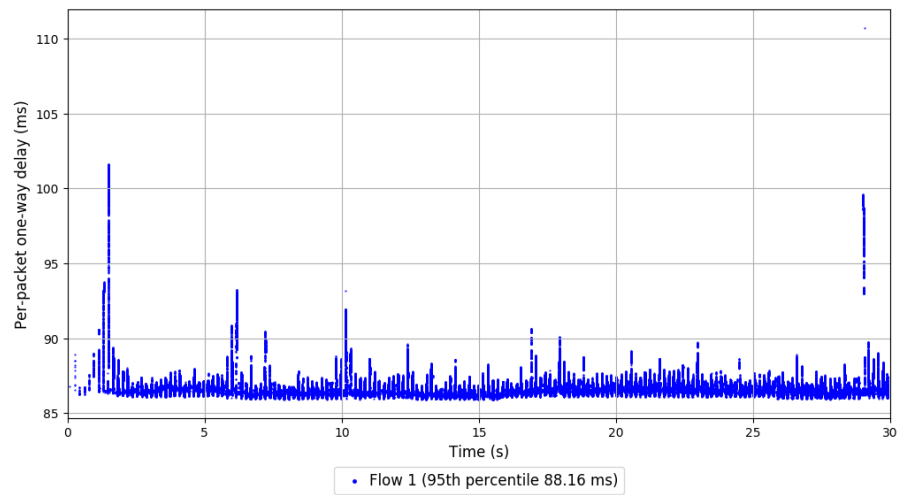
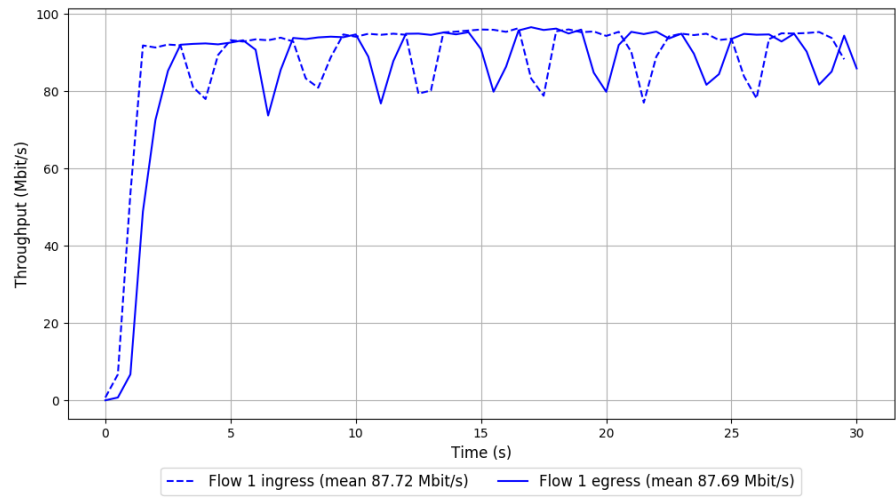


Run 6: Statistics of TCP Vegas

Start at: 2018-08-10 12:39:12
End at: 2018-08-10 12:39:42
Local clock offset: -0.138 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-08-10 16:11:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.69 Mbit/s
95th percentile per-packet one-way delay: 88.158 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 87.69 Mbit/s
95th percentile per-packet one-way delay: 88.158 ms
Loss rate: 0.61%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-08-10 13:02:23

End at: 2018-08-10 13:02:53

Local clock offset: -0.028 ms

Remote clock offset: -0.0 ms

Below is generated by plot.py at 2018-08-10 16:17:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 386.85 Mbit/s

95th percentile per-packet one-way delay: 93.015 ms

Loss rate: 0.49%

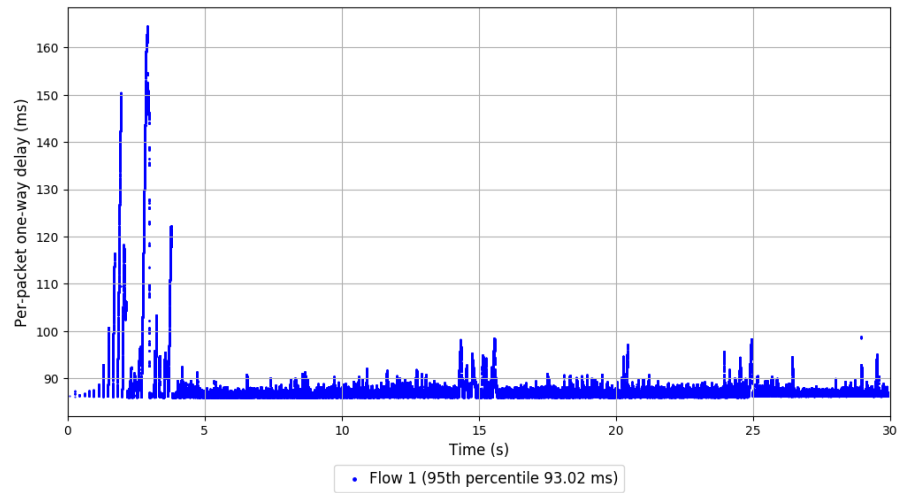
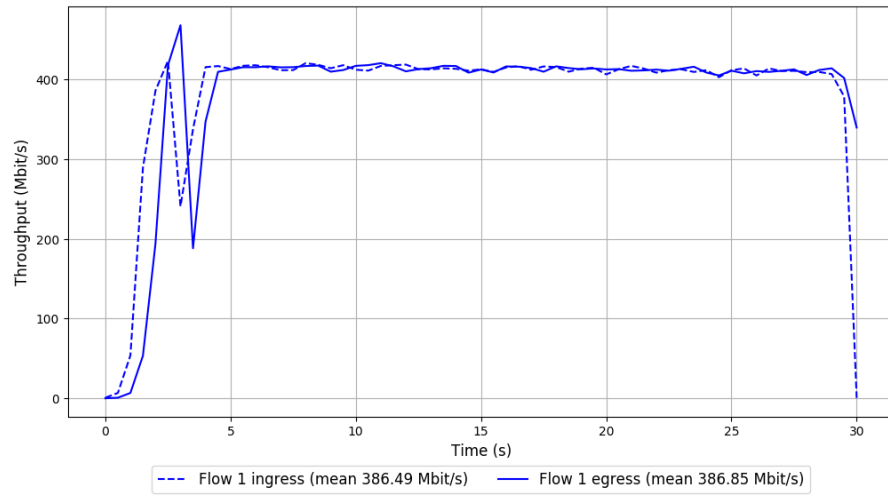
-- Flow 1:

Average throughput: 386.85 Mbit/s

95th percentile per-packet one-way delay: 93.015 ms

Loss rate: 0.49%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-08-10 13:25:40

End at: 2018-08-10 13:26:10

Local clock offset: -0.103 ms

Remote clock offset: 0.141 ms

Below is generated by plot.py at 2018-08-10 16:17:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.70 Mbit/s

95th percentile per-packet one-way delay: 87.511 ms

Loss rate: 0.65%

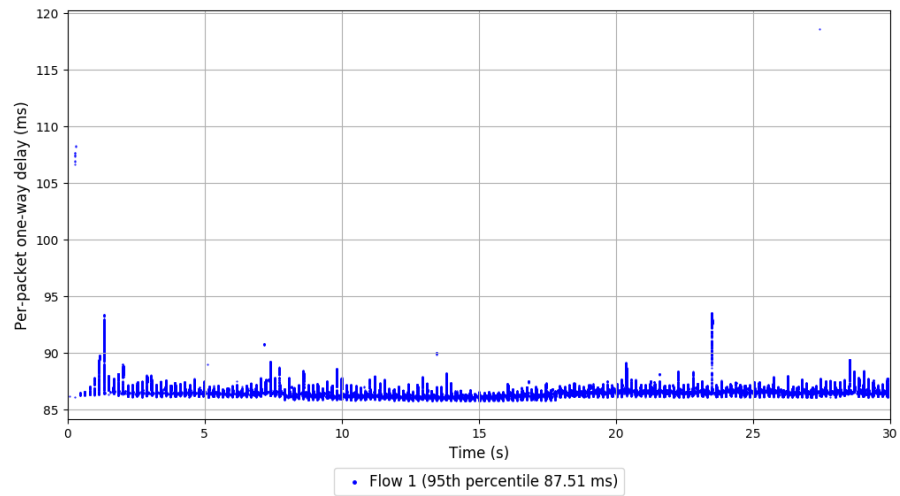
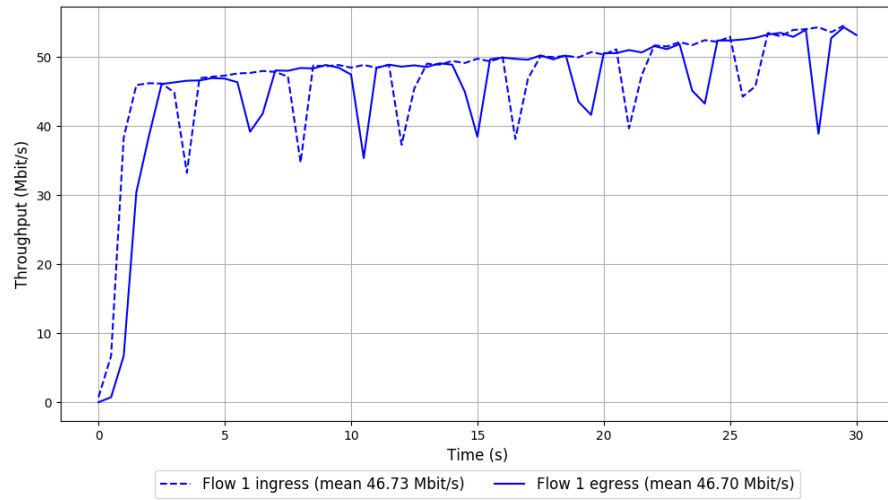
-- Flow 1:

Average throughput: 46.70 Mbit/s

95th percentile per-packet one-way delay: 87.511 ms

Loss rate: 0.65%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-08-10 13:48:43

End at: 2018-08-10 13:49:13

Local clock offset: -0.118 ms

Remote clock offset: 0.097 ms

Below is generated by plot.py at 2018-08-10 16:17:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 170.25 Mbit/s

95th percentile per-packet one-way delay: 87.954 ms

Loss rate: 0.61%

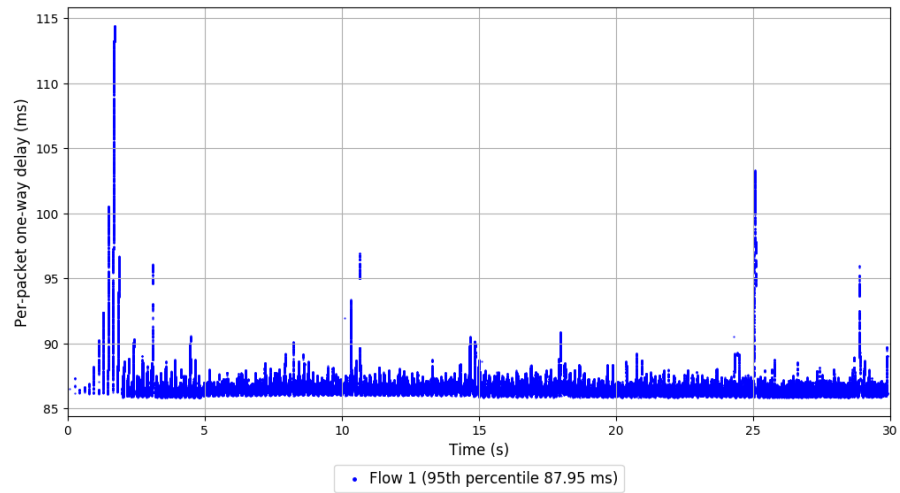
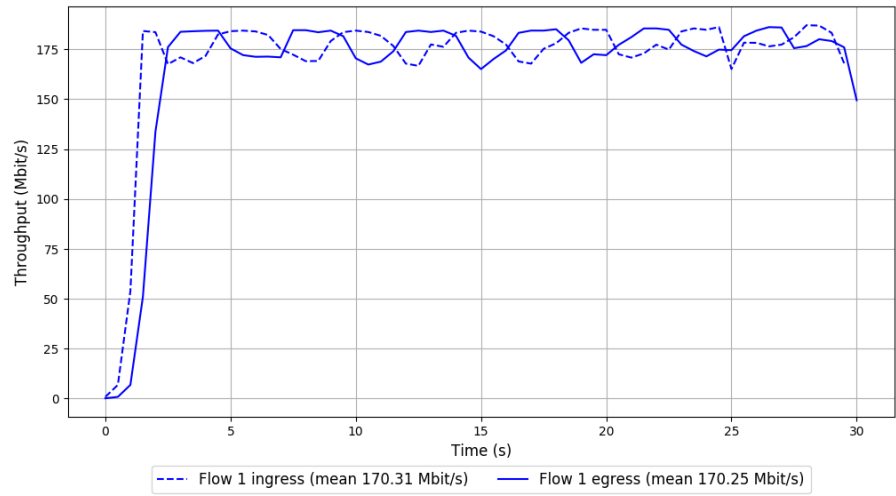
-- Flow 1:

Average throughput: 170.25 Mbit/s

95th percentile per-packet one-way delay: 87.954 ms

Loss rate: 0.61%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-08-10 14:11:45

End at: 2018-08-10 14:12:15

Local clock offset: -0.084 ms

Remote clock offset: 0.084 ms

Below is generated by plot.py at 2018-08-10 16:17:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.07 Mbit/s

95th percentile per-packet one-way delay: 87.881 ms

Loss rate: 0.66%

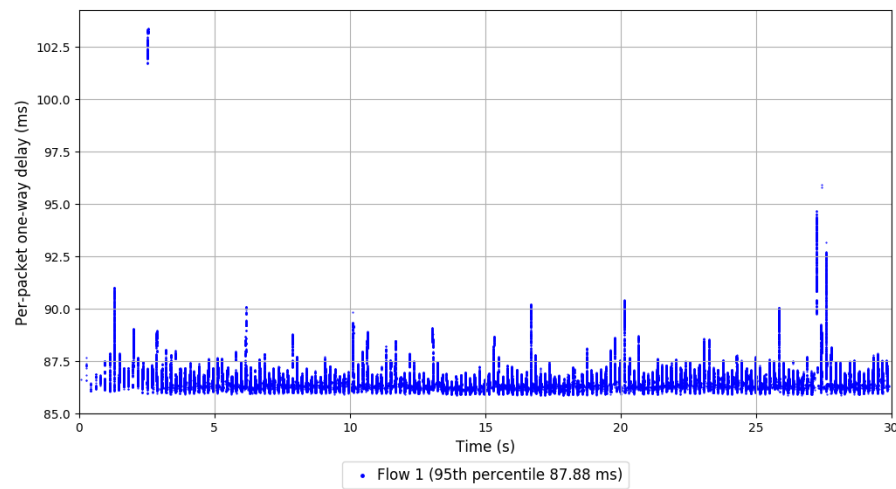
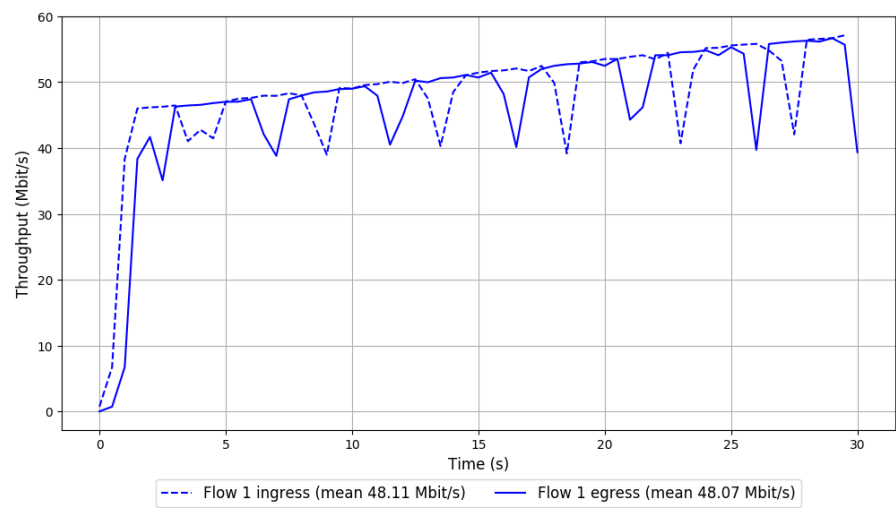
-- Flow 1:

Average throughput: 48.07 Mbit/s

95th percentile per-packet one-way delay: 87.881 ms

Loss rate: 0.66%

Run 10: Report of TCP Vegas — Data Link

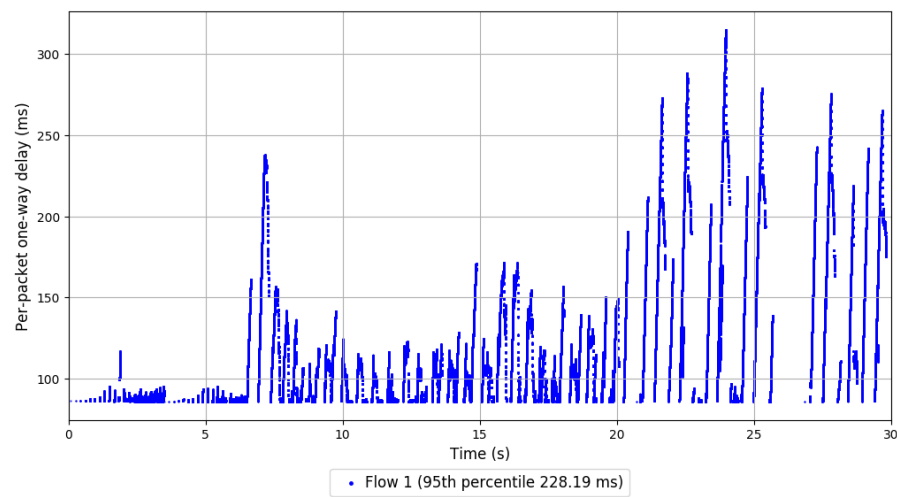
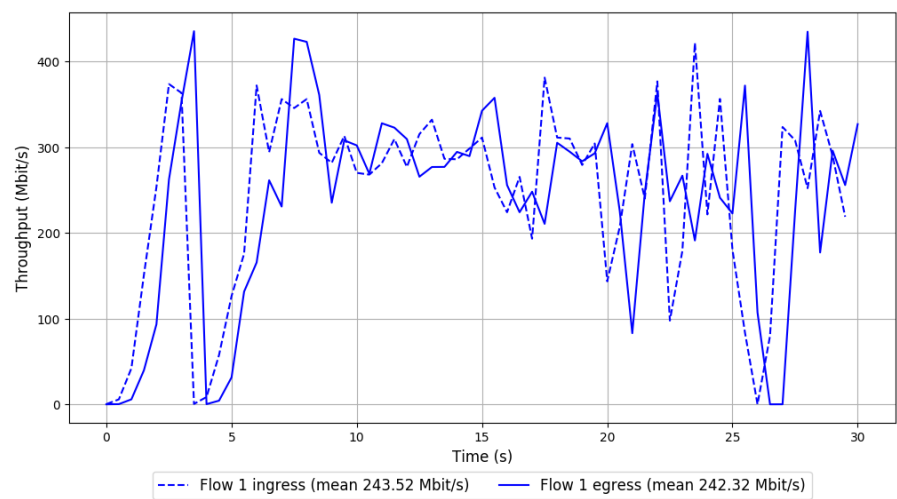


Run 1: Statistics of Verus

Start at: 2018-08-10 10:39:45
End at: 2018-08-10 10:40:15
Local clock offset: -0.222 ms
Remote clock offset: -0.191 ms

Below is generated by plot.py at 2018-08-10 16:17:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 242.32 Mbit/s
95th percentile per-packet one-way delay: 228.192 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 242.32 Mbit/s
95th percentile per-packet one-way delay: 228.192 ms
Loss rate: 0.99%

Run 1: Report of Verus — Data Link

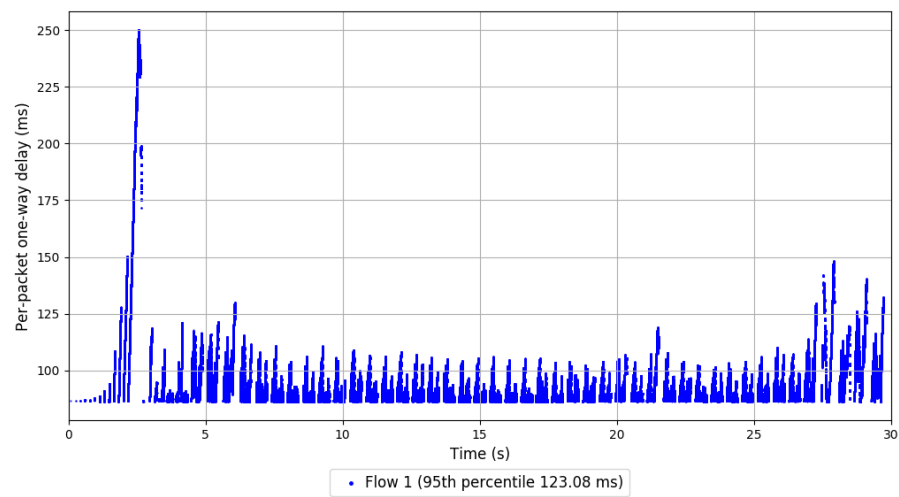
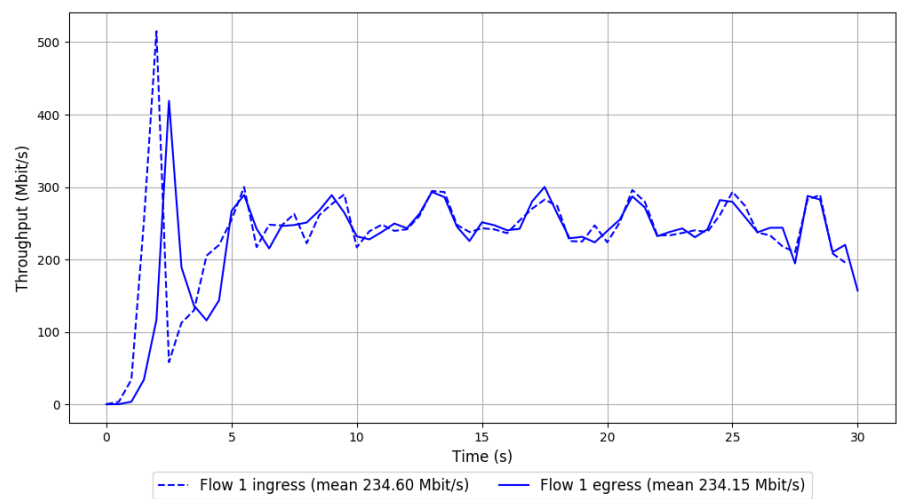


Run 2: Statistics of Verus

Start at: 2018-08-10 11:02:50
End at: 2018-08-10 11:03:20
Local clock offset: 0.006 ms
Remote clock offset: -0.169 ms

Below is generated by plot.py at 2018-08-10 16:17:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 234.15 Mbit/s
95th percentile per-packet one-way delay: 123.077 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 234.15 Mbit/s
95th percentile per-packet one-way delay: 123.077 ms
Loss rate: 1.26%

Run 2: Report of Verus — Data Link

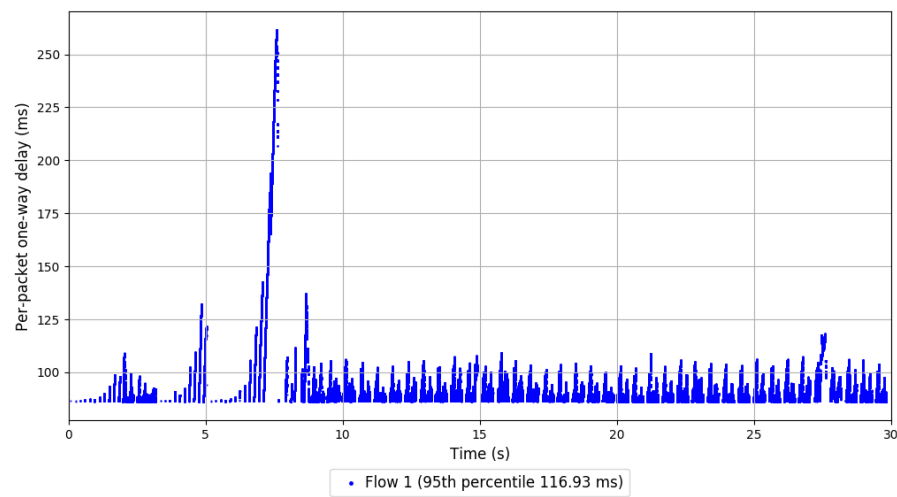
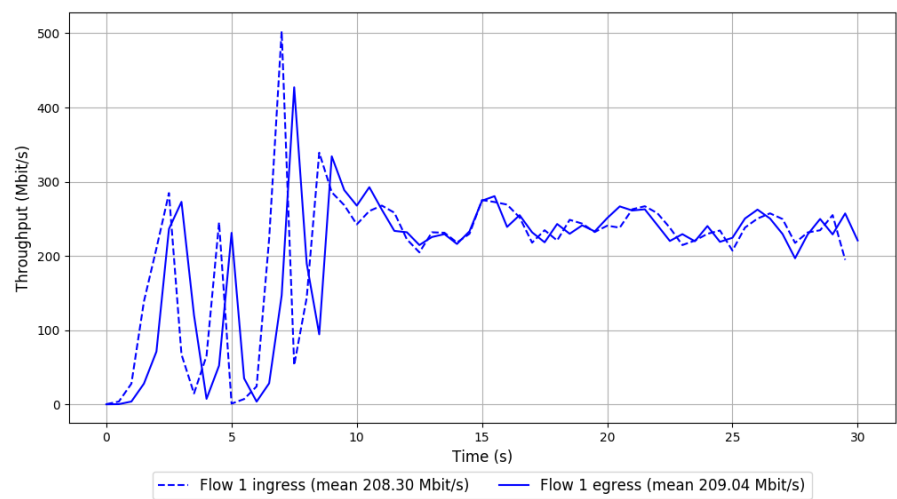


Run 3: Statistics of Verus

Start at: 2018-08-10 11:25:48
End at: 2018-08-10 11:26:18
Local clock offset: -0.047 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-08-10 16:17:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 209.04 Mbit/s
95th percentile per-packet one-way delay: 116.929 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 209.04 Mbit/s
95th percentile per-packet one-way delay: 116.929 ms
Loss rate: 0.35%

Run 3: Report of Verus — Data Link

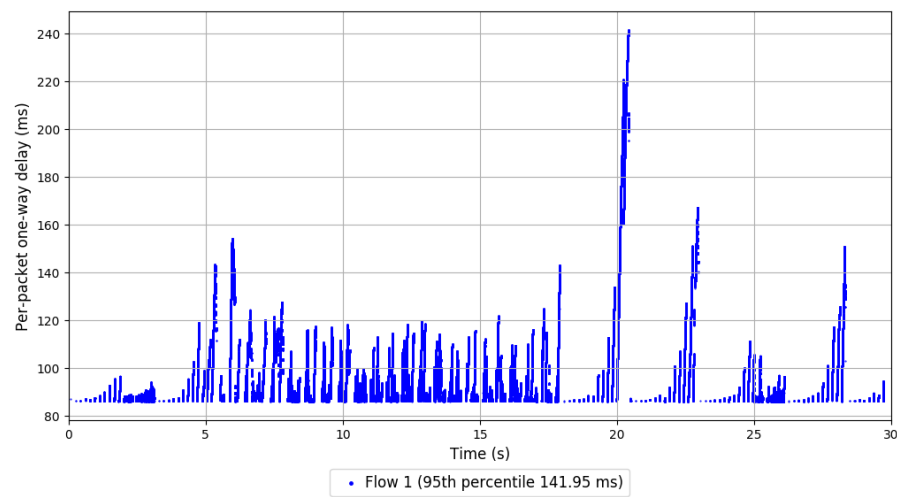
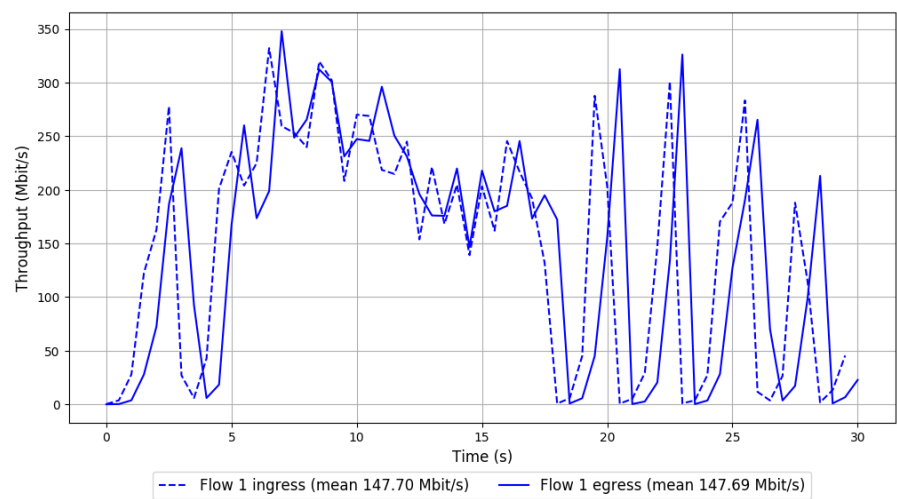


Run 4: Statistics of Verus

Start at: 2018-08-10 11:49:01
End at: 2018-08-10 11:49:31
Local clock offset: -0.021 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-08-10 16:17:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 147.69 Mbit/s
95th percentile per-packet one-way delay: 141.951 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 147.69 Mbit/s
95th percentile per-packet one-way delay: 141.951 ms
Loss rate: 0.60%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-08-10 12:12:04

End at: 2018-08-10 12:12:34

Local clock offset: -0.039 ms

Remote clock offset: 0.035 ms

Below is generated by plot.py at 2018-08-10 16:17:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 205.18 Mbit/s

95th percentile per-packet one-way delay: 172.628 ms

Loss rate: 1.14%

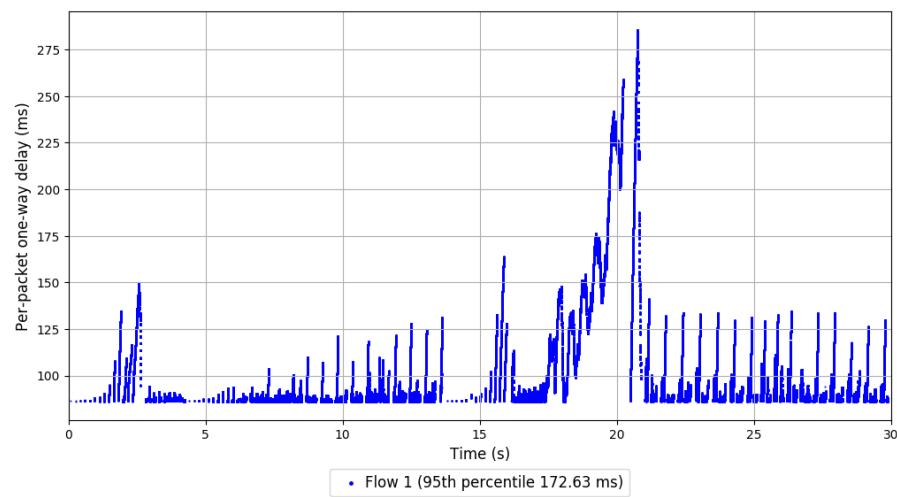
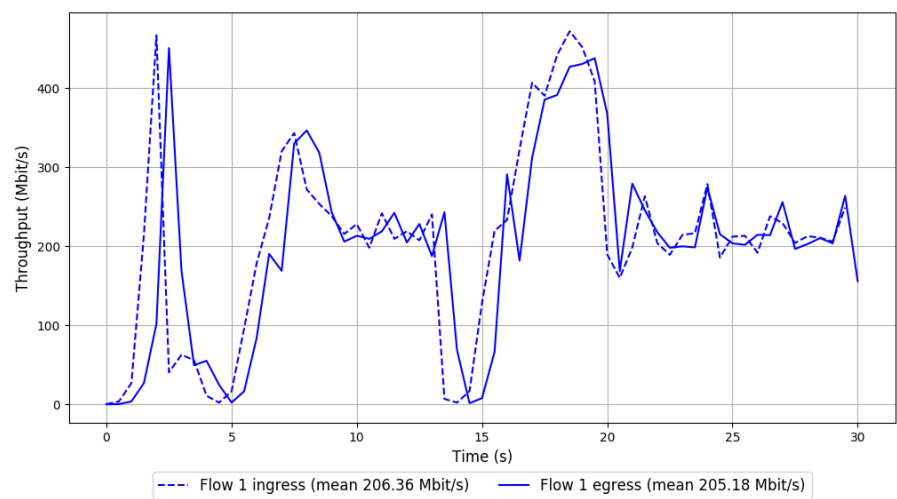
-- Flow 1:

Average throughput: 205.18 Mbit/s

95th percentile per-packet one-way delay: 172.628 ms

Loss rate: 1.14%

Run 5: Report of Verus — Data Link

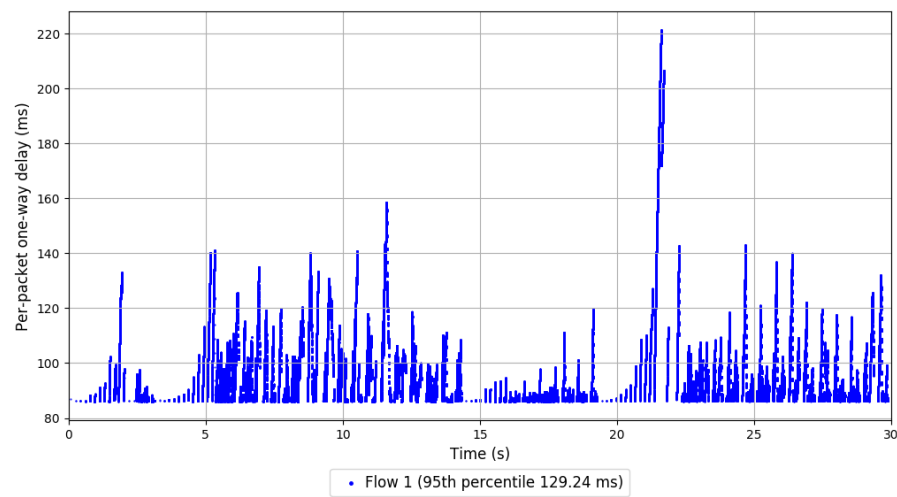
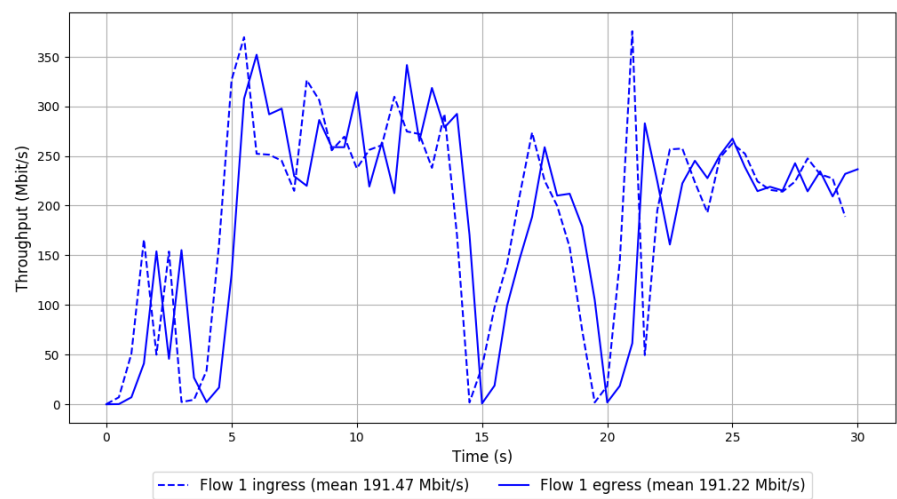


Run 6: Statistics of Verus

Start at: 2018-08-10 12:35:20
End at: 2018-08-10 12:35:50
Local clock offset: -0.256 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-08-10 16:17:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 191.22 Mbit/s
95th percentile per-packet one-way delay: 129.243 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 191.22 Mbit/s
95th percentile per-packet one-way delay: 129.243 ms
Loss rate: 0.28%

Run 6: Report of Verus — Data Link

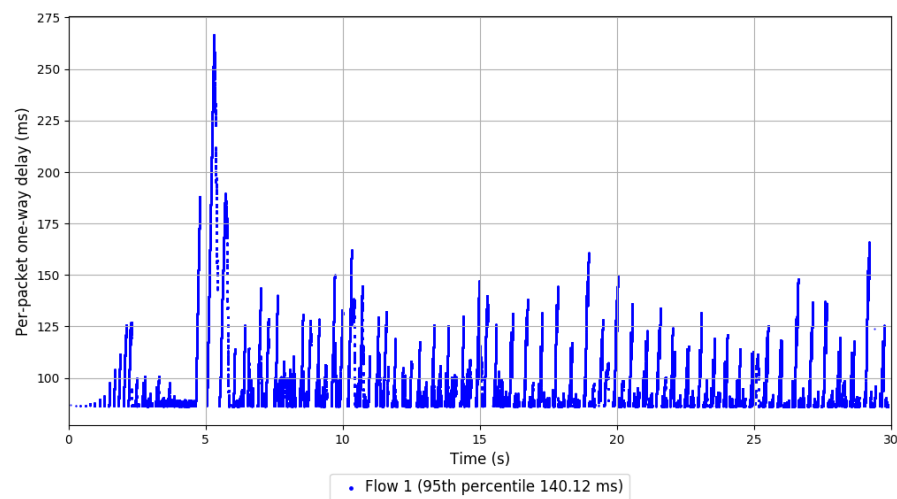
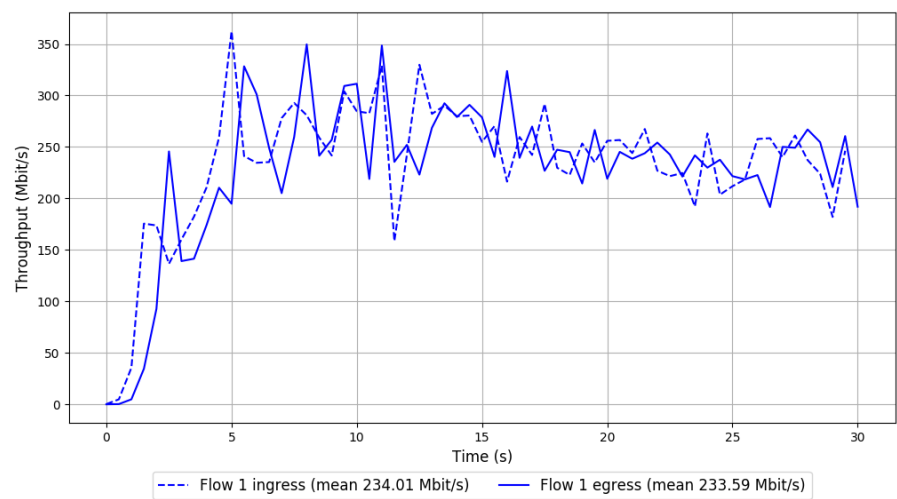


Run 7: Statistics of Verus

Start at: 2018-08-10 12:58:27
End at: 2018-08-10 12:58:57
Local clock offset: -0.105 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-08-10 16:17:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 233.59 Mbit/s
95th percentile per-packet one-way delay: 140.120 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 233.59 Mbit/s
95th percentile per-packet one-way delay: 140.120 ms
Loss rate: 0.53%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-08-10 13:21:51

End at: 2018-08-10 13:22:21

Local clock offset: -0.133 ms

Remote clock offset: 0.103 ms

Below is generated by plot.py at 2018-08-10 16:17:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.43 Mbit/s

95th percentile per-packet one-way delay: 179.111 ms

Loss rate: 0.46%

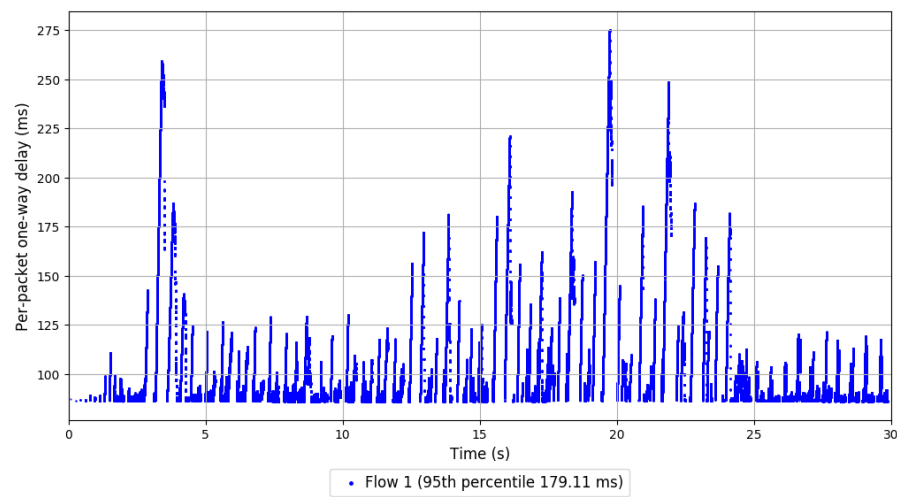
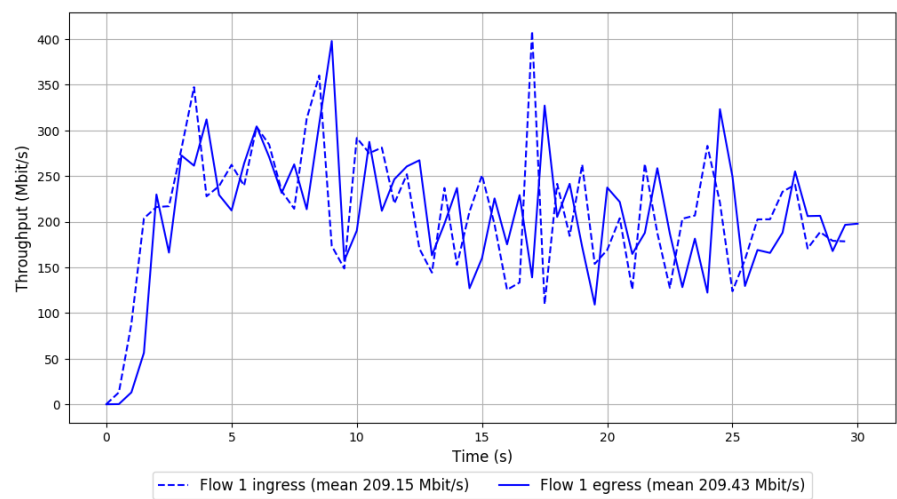
-- Flow 1:

Average throughput: 209.43 Mbit/s

95th percentile per-packet one-way delay: 179.111 ms

Loss rate: 0.46%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-08-10 13:44:45

End at: 2018-08-10 13:45:15

Local clock offset: 0.02 ms

Remote clock offset: 0.117 ms

Below is generated by plot.py at 2018-08-10 16:21:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 289.00 Mbit/s

95th percentile per-packet one-way delay: 300.951 ms

Loss rate: 24.39%

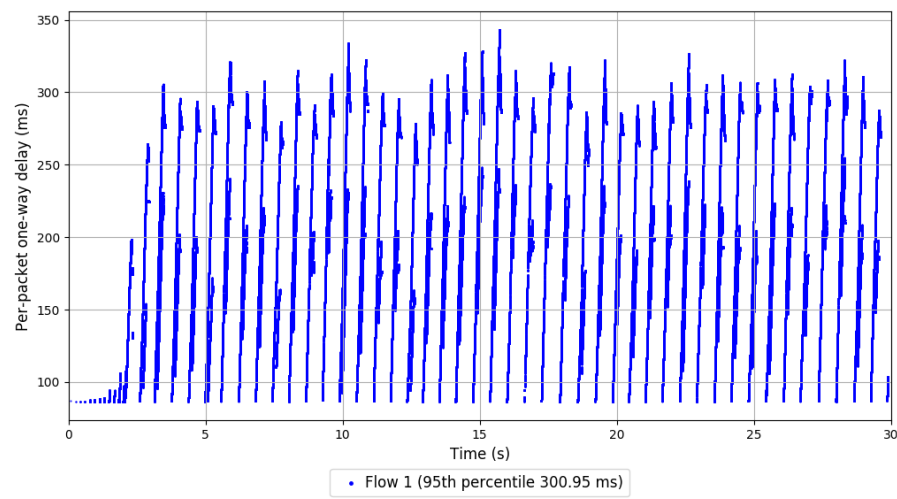
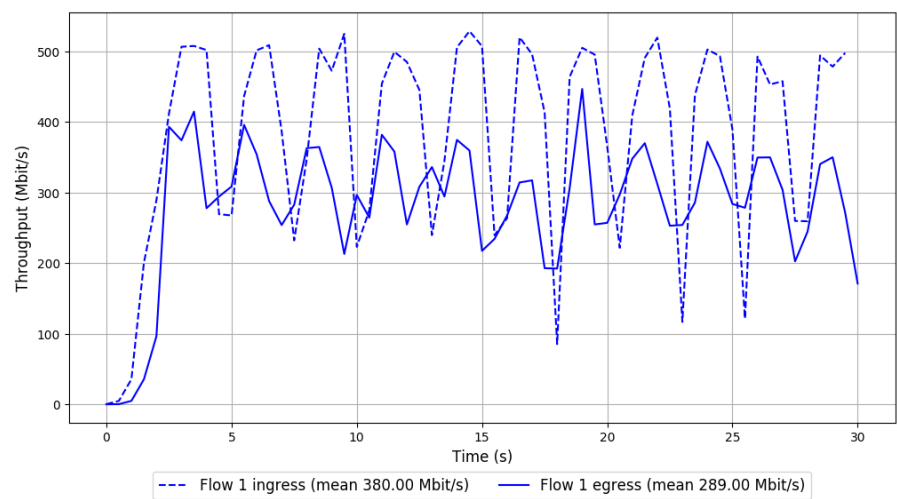
-- Flow 1:

Average throughput: 289.00 Mbit/s

95th percentile per-packet one-way delay: 300.951 ms

Loss rate: 24.39%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-08-10 14:07:52

End at: 2018-08-10 14:08:22

Local clock offset: -0.294 ms

Remote clock offset: 0.086 ms

Below is generated by plot.py at 2018-08-10 16:21:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 242.21 Mbit/s

95th percentile per-packet one-way delay: 126.555 ms

Loss rate: 0.75%

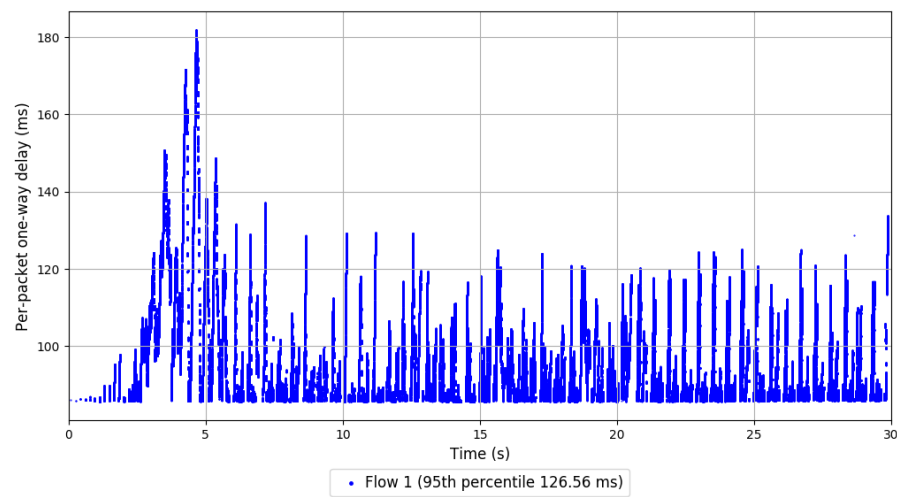
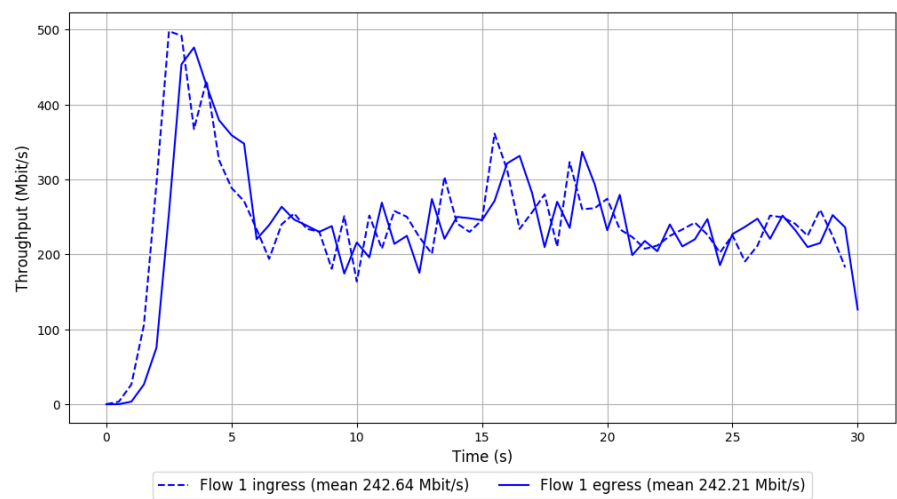
-- Flow 1:

Average throughput: 242.21 Mbit/s

95th percentile per-packet one-way delay: 126.555 ms

Loss rate: 0.75%

Run 10: Report of Verus — Data Link

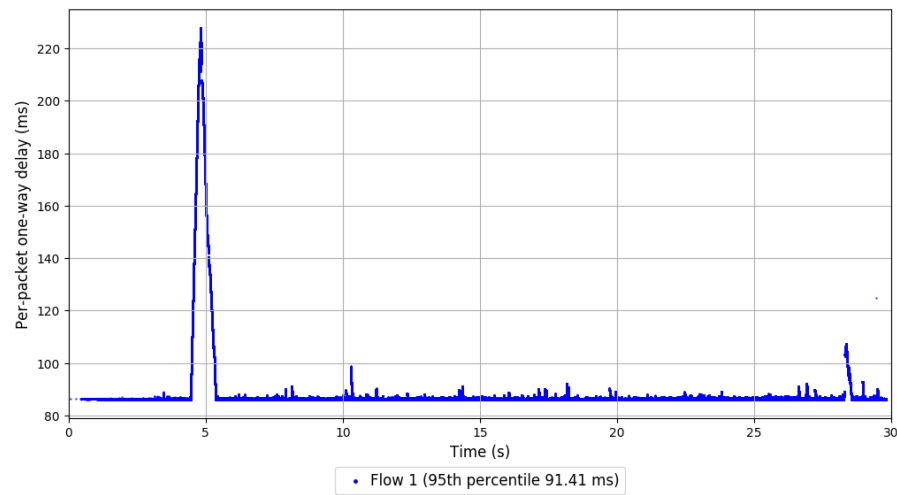
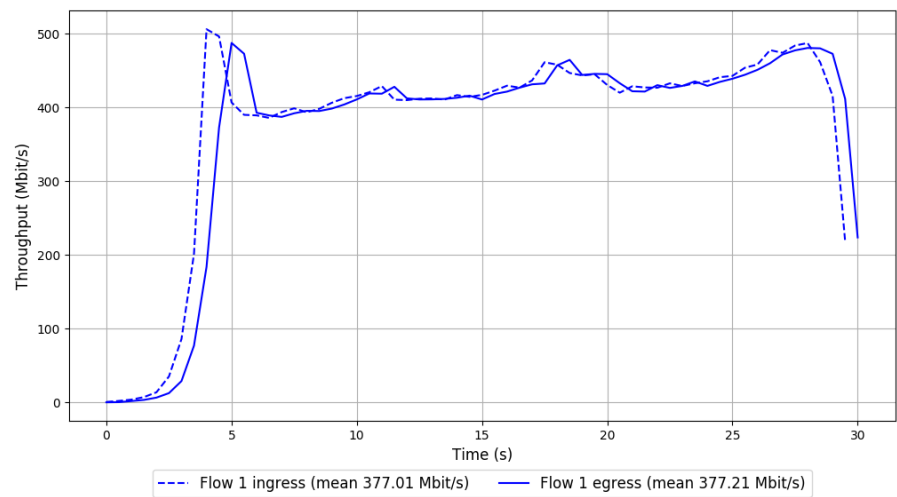


Run 1: Statistics of PCC-Vivace

Start at: 2018-08-10 10:23:20
End at: 2018-08-10 10:23:50
Local clock offset: -0.181 ms
Remote clock offset: -0.144 ms

Below is generated by plot.py at 2018-08-10 16:22:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 377.21 Mbit/s
95th percentile per-packet one-way delay: 91.409 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 377.21 Mbit/s
95th percentile per-packet one-way delay: 91.409 ms
Loss rate: 0.53%

Run 1: Report of PCC-Vivace — Data Link

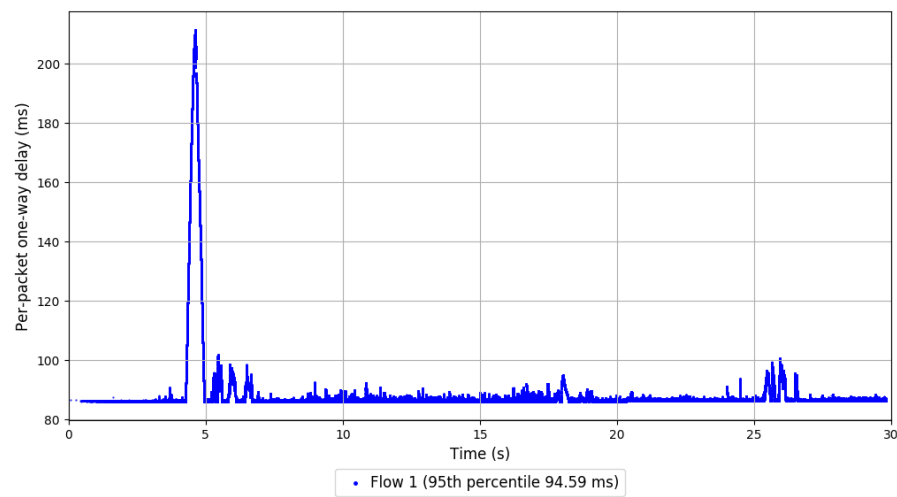
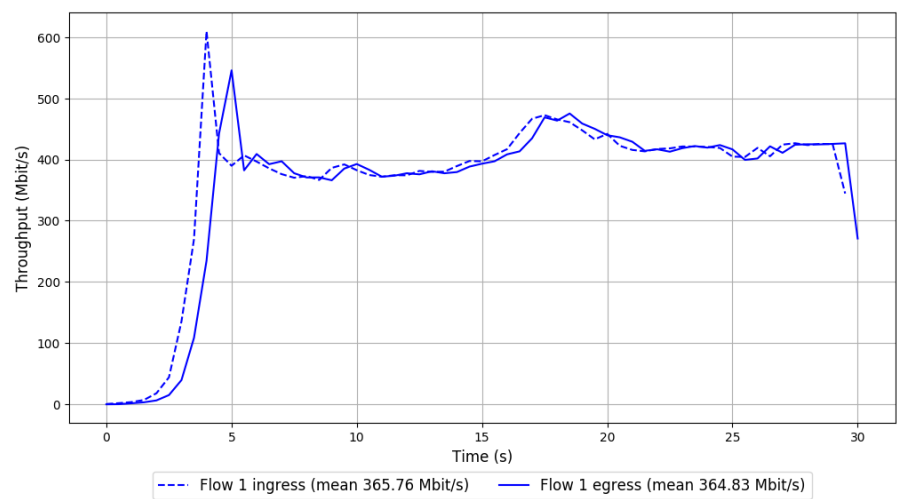


Run 2: Statistics of PCC-Vivace

Start at: 2018-08-10 10:46:27
End at: 2018-08-10 10:46:58
Local clock offset: -0.168 ms
Remote clock offset: -0.154 ms

Below is generated by plot.py at 2018-08-10 16:22:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 364.83 Mbit/s
95th percentile per-packet one-way delay: 94.594 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 364.83 Mbit/s
95th percentile per-packet one-way delay: 94.594 ms
Loss rate: 0.83%

Run 2: Report of PCC-Vivace — Data Link

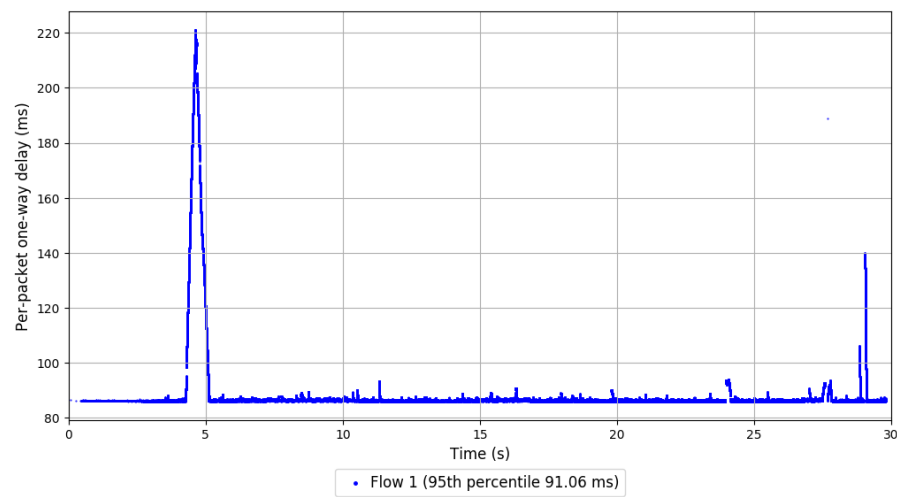
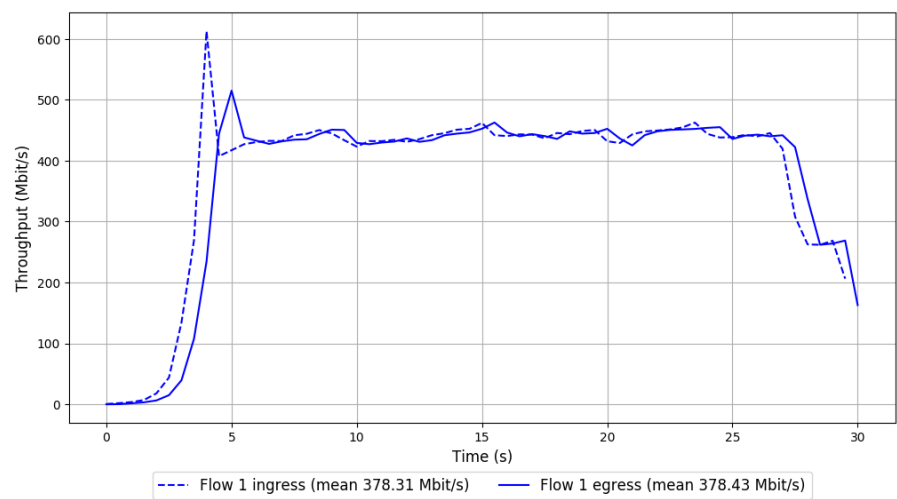


Run 3: Statistics of PCC-Vivace

Start at: 2018-08-10 11:09:31
End at: 2018-08-10 11:10:01
Local clock offset: -0.119 ms
Remote clock offset: -0.127 ms

Below is generated by plot.py at 2018-08-10 16:22:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 378.43 Mbit/s
95th percentile per-packet one-way delay: 91.061 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 378.43 Mbit/s
95th percentile per-packet one-way delay: 91.061 ms
Loss rate: 0.54%

Run 3: Report of PCC-Vivace — Data Link

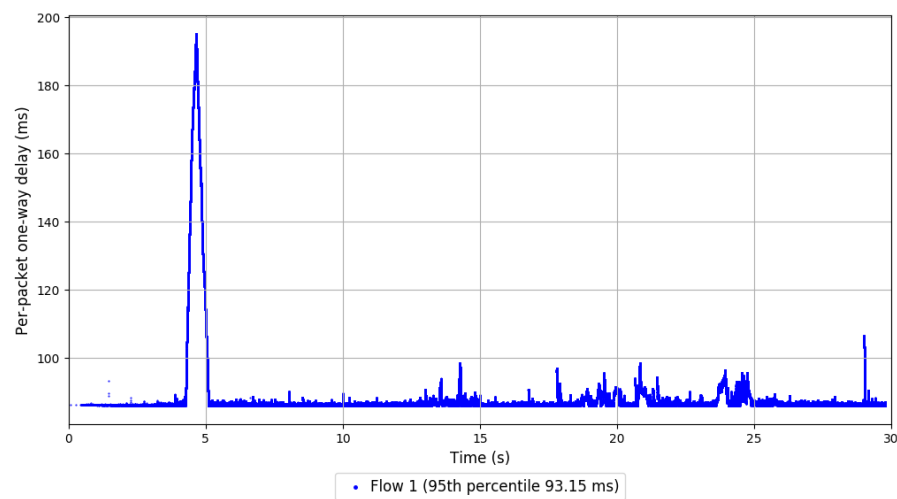
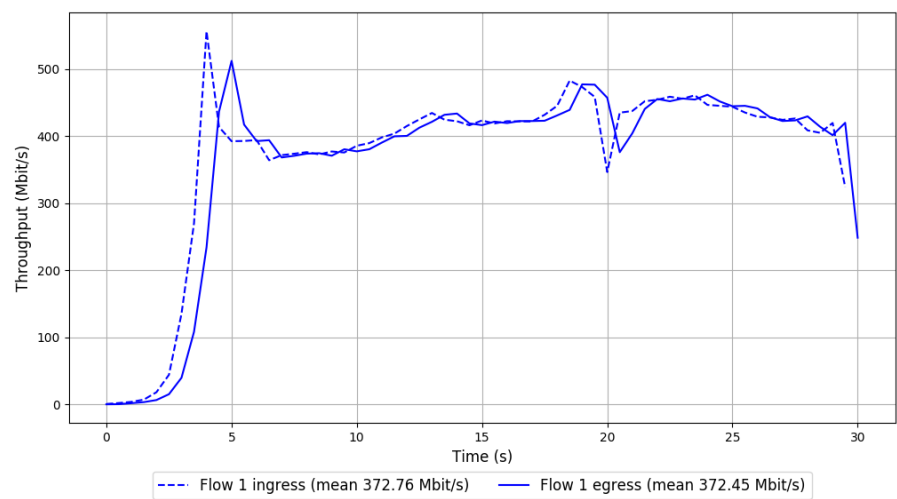


Run 4: Statistics of PCC-Vivace

Start at: 2018-08-10 11:32:29
End at: 2018-08-10 11:32:59
Local clock offset: -0.055 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-08-10 16:24:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 372.45 Mbit/s
95th percentile per-packet one-way delay: 93.149 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 372.45 Mbit/s
95th percentile per-packet one-way delay: 93.149 ms
Loss rate: 0.66%

Run 4: Report of PCC-Vivace — Data Link

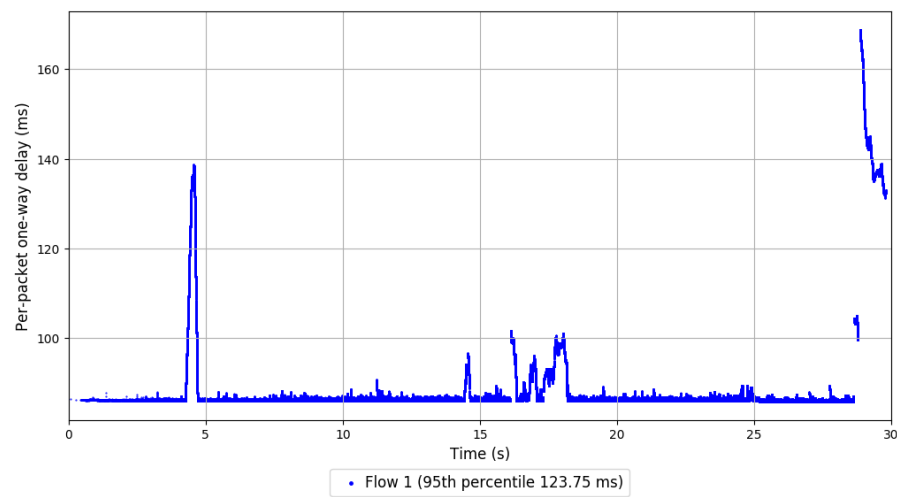
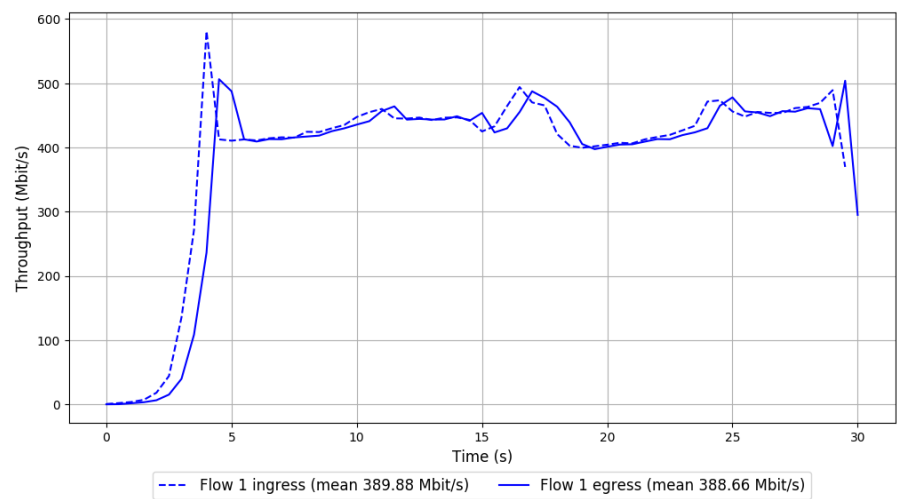


Run 5: Statistics of PCC-Vivace

Start at: 2018-08-10 11:55:43
End at: 2018-08-10 11:56:13
Local clock offset: -0.113 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-08-10 16:24:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 388.66 Mbit/s
95th percentile per-packet one-way delay: 123.747 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 388.66 Mbit/s
95th percentile per-packet one-way delay: 123.747 ms
Loss rate: 0.89%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-08-10 12:18:46

End at: 2018-08-10 12:19:16

Local clock offset: 0.01 ms

Remote clock offset: 0.045 ms

Below is generated by plot.py at 2018-08-10 16:24:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 368.64 Mbit/s

95th percentile per-packet one-way delay: 94.496 ms

Loss rate: 0.63%

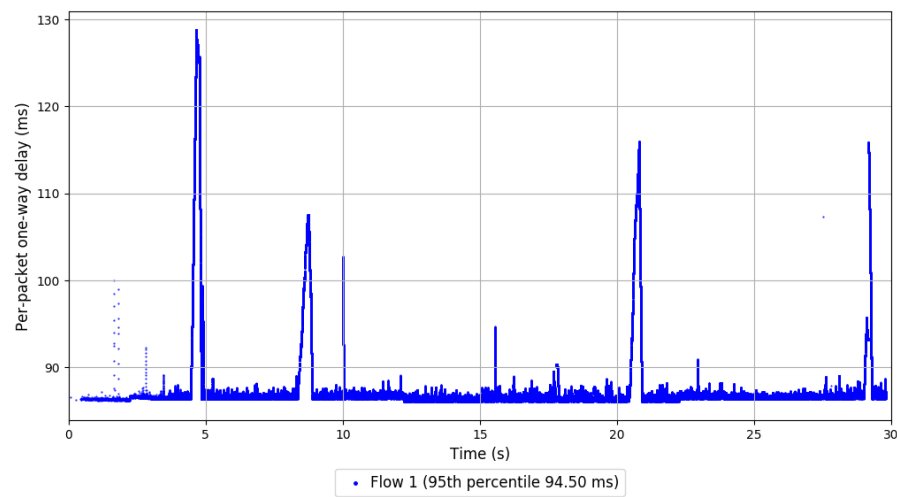
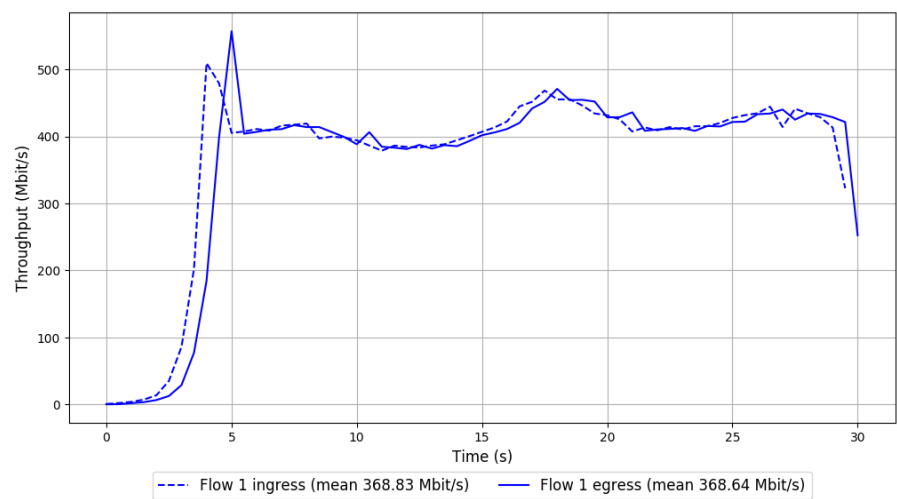
-- Flow 1:

Average throughput: 368.64 Mbit/s

95th percentile per-packet one-way delay: 94.496 ms

Loss rate: 0.63%

Run 6: Report of PCC-Vivace — Data Link

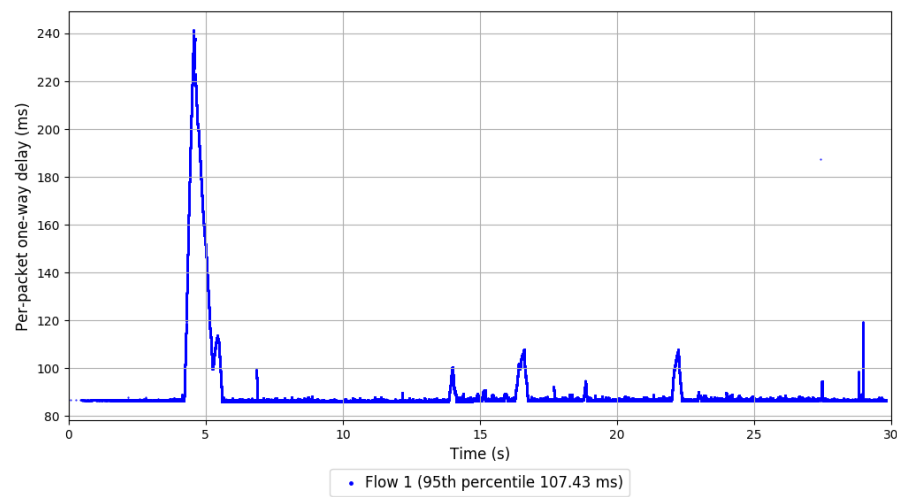
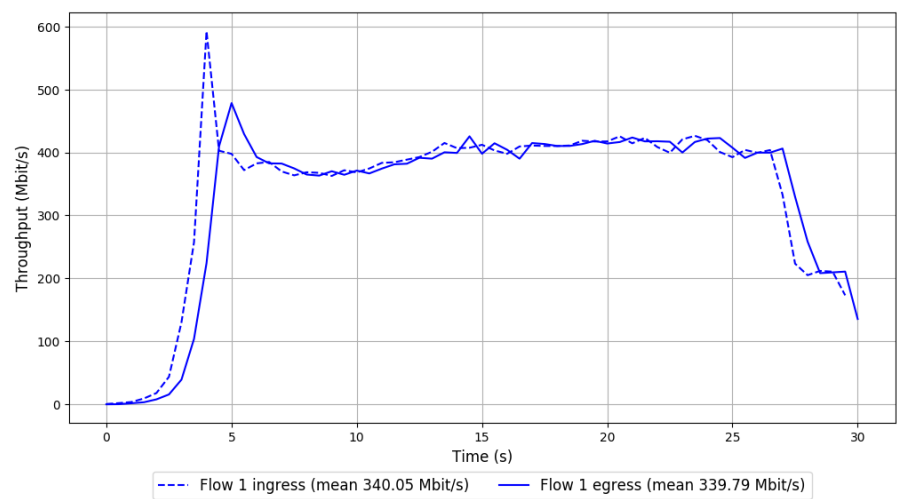


Run 7: Statistics of PCC-Vivace

Start at: 2018-08-10 12:42:03
End at: 2018-08-10 12:42:33
Local clock offset: -0.255 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-08-10 16:25:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 339.79 Mbit/s
95th percentile per-packet one-way delay: 107.426 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 339.79 Mbit/s
95th percentile per-packet one-way delay: 107.426 ms
Loss rate: 0.66%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-08-10 13:05:29

End at: 2018-08-10 13:05:59

Local clock offset: -0.203 ms

Remote clock offset: 0.033 ms

Below is generated by plot.py at 2018-08-10 16:26:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 355.17 Mbit/s

95th percentile per-packet one-way delay: 91.274 ms

Loss rate: 0.58%

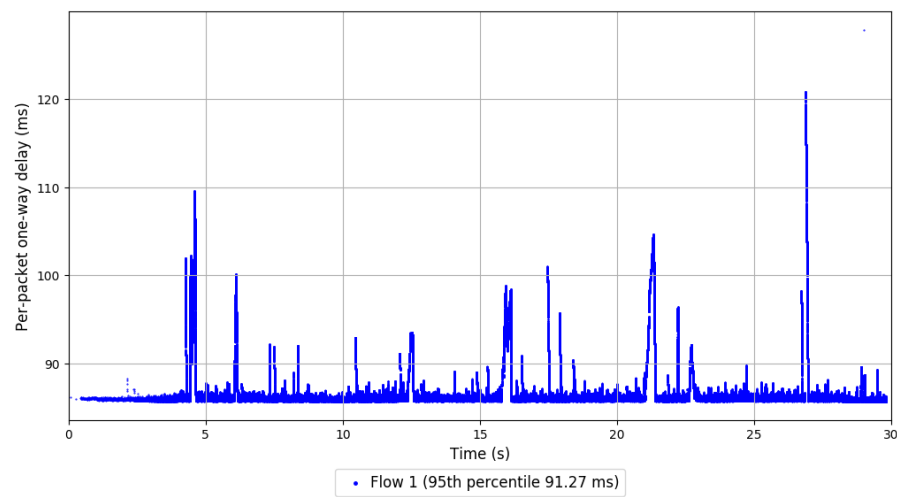
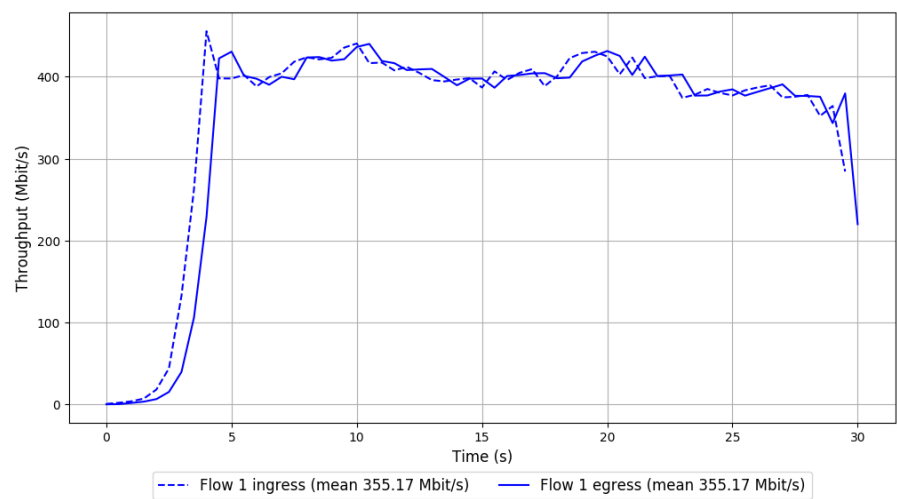
-- Flow 1:

Average throughput: 355.17 Mbit/s

95th percentile per-packet one-way delay: 91.274 ms

Loss rate: 0.58%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-08-10 13:28:30

End at: 2018-08-10 13:29:00

Local clock offset: -0.226 ms

Remote clock offset: 0.14 ms

Below is generated by plot.py at 2018-08-10 16:26:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 330.91 Mbit/s

95th percentile per-packet one-way delay: 89.725 ms

Loss rate: 0.68%

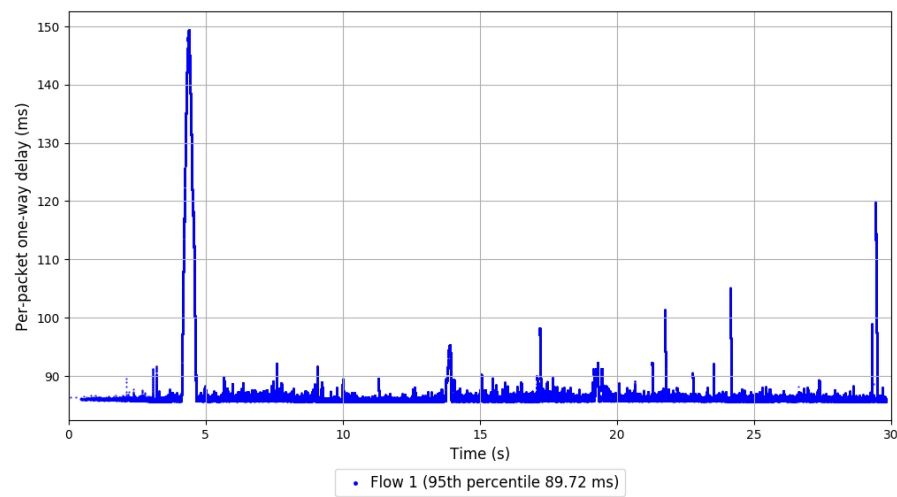
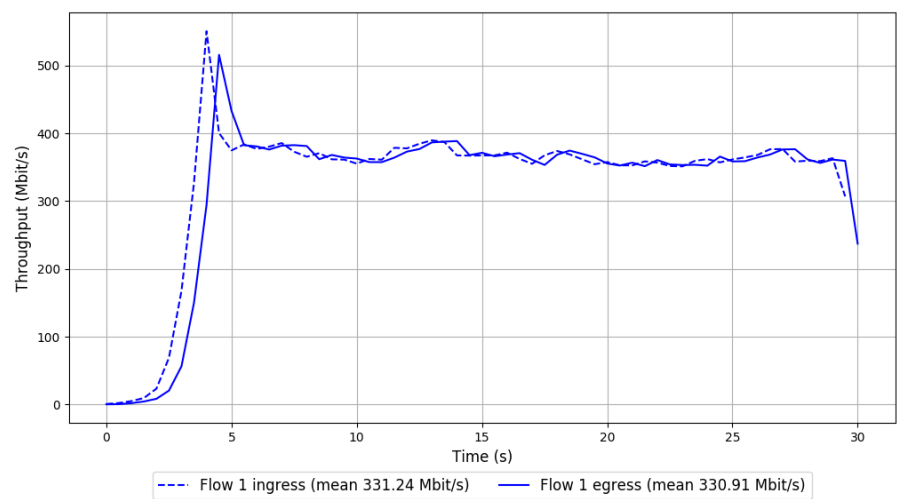
-- Flow 1:

Average throughput: 330.91 Mbit/s

95th percentile per-packet one-way delay: 89.725 ms

Loss rate: 0.68%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-08-10 13:51:39

End at: 2018-08-10 13:52:09

Local clock offset: -0.122 ms

Remote clock offset: 0.098 ms

Below is generated by plot.py at 2018-08-10 16:26:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 346.12 Mbit/s

95th percentile per-packet one-way delay: 93.375 ms

Loss rate: 0.48%

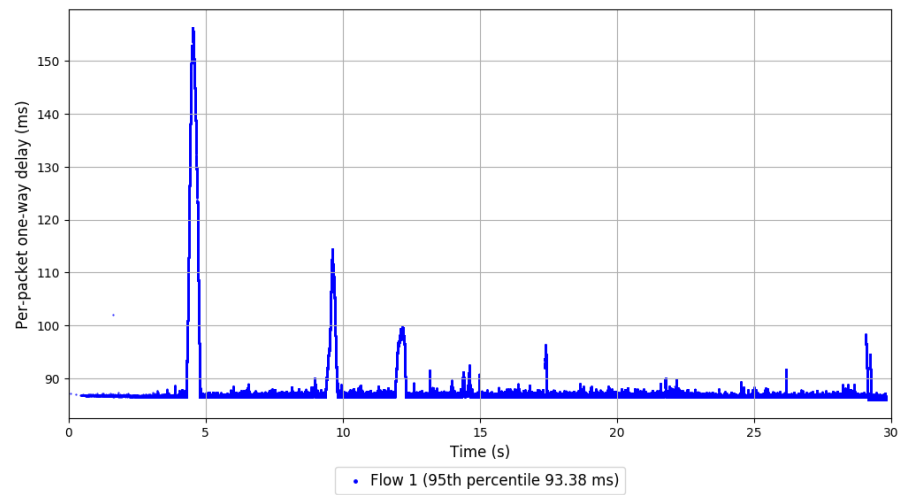
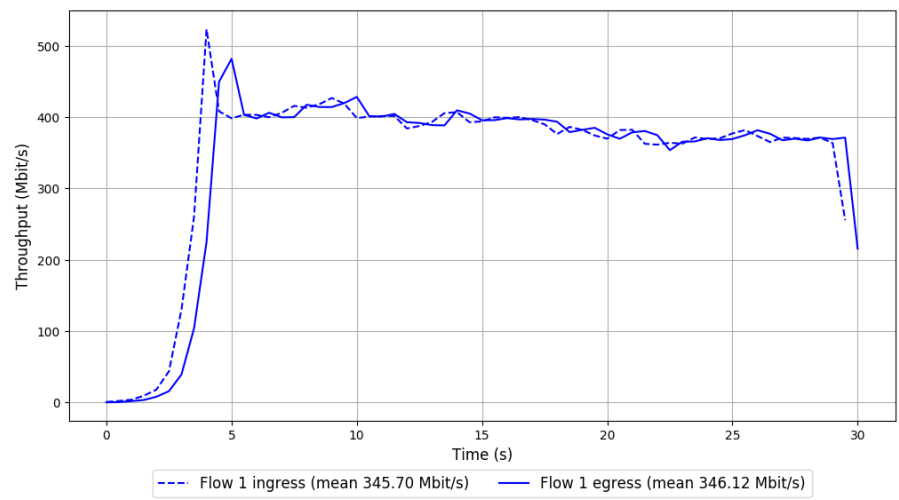
-- Flow 1:

Average throughput: 346.12 Mbit/s

95th percentile per-packet one-way delay: 93.375 ms

Loss rate: 0.48%

Run 10: Report of PCC-Vivace — Data Link

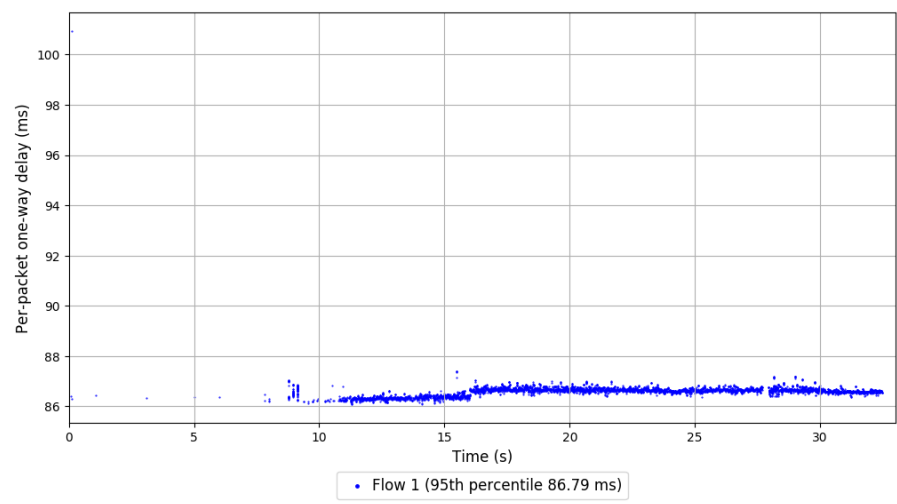
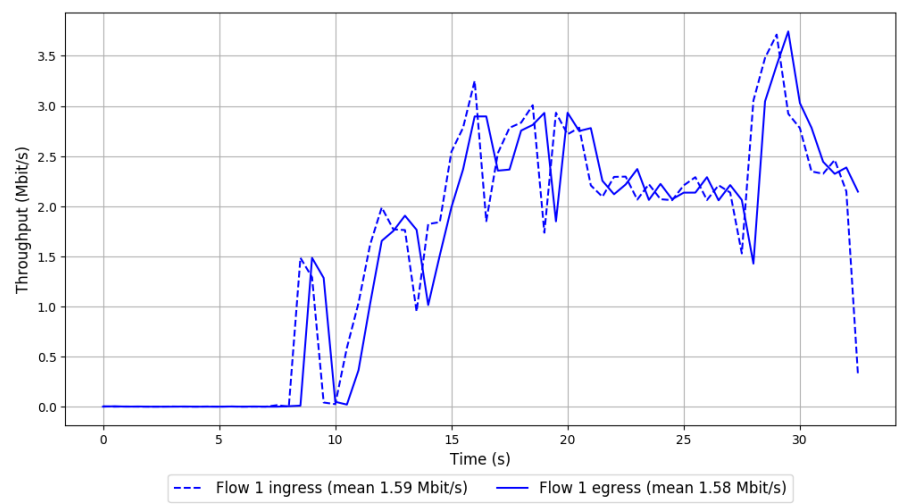


```
Run 1: Statistics of WebRTC media

Start at: 2018-08-10 10:24:54
End at: 2018-08-10 10:25:24
Local clock offset: -0.267 ms
Remote clock offset: -0.099 ms

# Below is generated by plot.py at 2018-08-10 16:26:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 86.789 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 86.789 ms
Loss rate: 0.77%
```

Run 1: Report of WebRTC media — Data Link

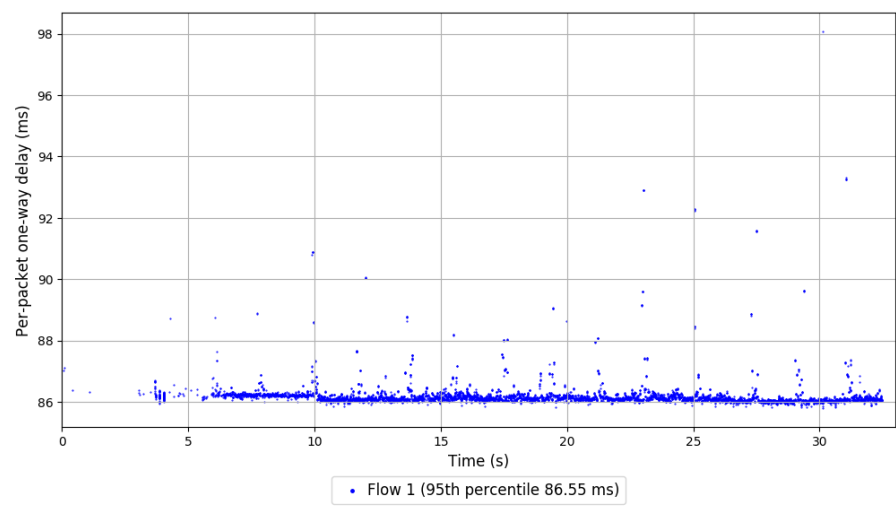
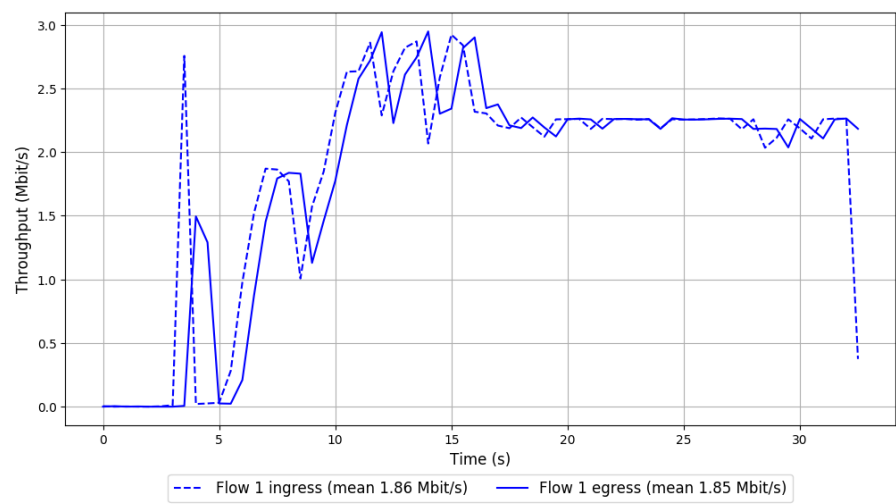


Run 2: Statistics of WebRTC media

Start at: 2018-08-10 10:48:00
End at: 2018-08-10 10:48:30
Local clock offset: -0.302 ms
Remote clock offset: -0.208 ms

Below is generated by plot.py at 2018-08-10 16:26:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 86.553 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 86.553 ms
Loss rate: 0.68%

Run 2: Report of WebRTC media — Data Link

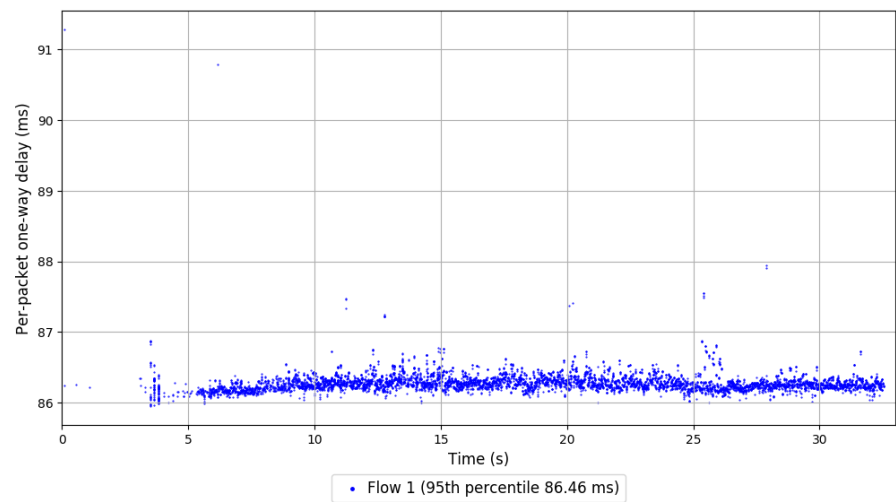
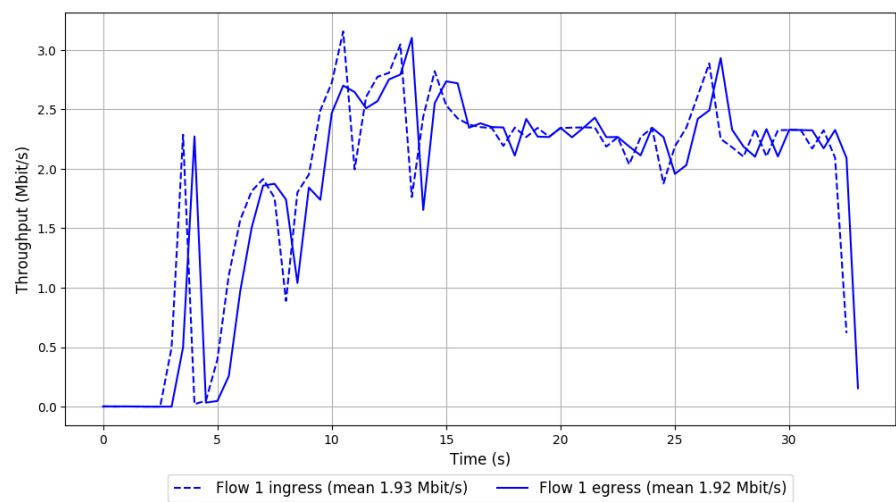


Run 3: Statistics of WebRTC media

Start at: 2018-08-10 11:11:04
End at: 2018-08-10 11:11:34
Local clock offset: -0.178 ms
Remote clock offset: -0.133 ms

Below is generated by plot.py at 2018-08-10 16:26:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 86.464 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 86.464 ms
Loss rate: 0.68%

Run 3: Report of WebRTC media — Data Link

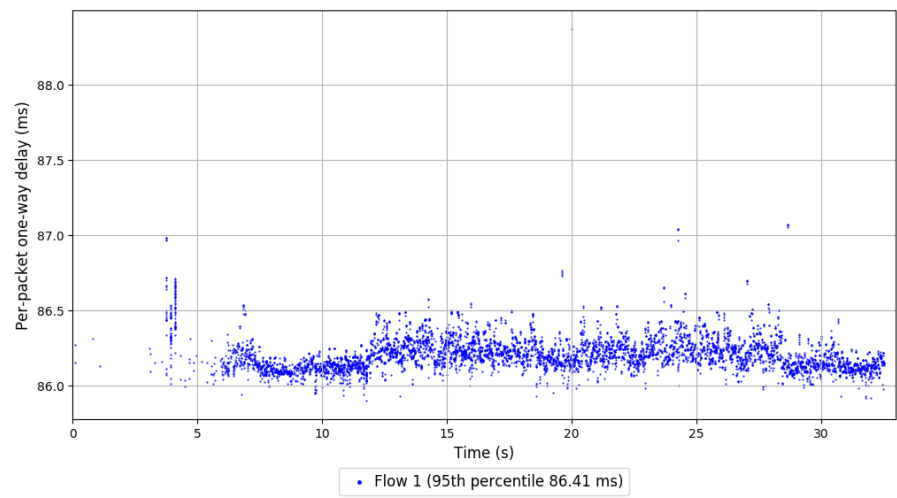
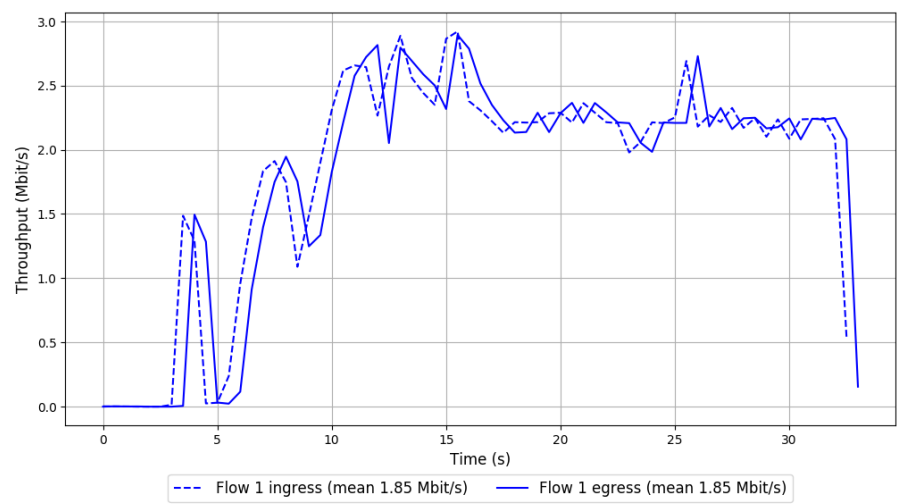


Run 4: Statistics of WebRTC media

Start at: 2018-08-10 11:34:02
End at: 2018-08-10 11:34:32
Local clock offset: -0.092 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-08-10 16:26:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 86.412 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 86.412 ms
Loss rate: 0.64%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-08-10 11:57:18

End at: 2018-08-10 11:57:48

Local clock offset: -0.316 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-08-10 16:26:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.88 Mbit/s

95th percentile per-packet one-way delay: 86.562 ms

Loss rate: 0.61%

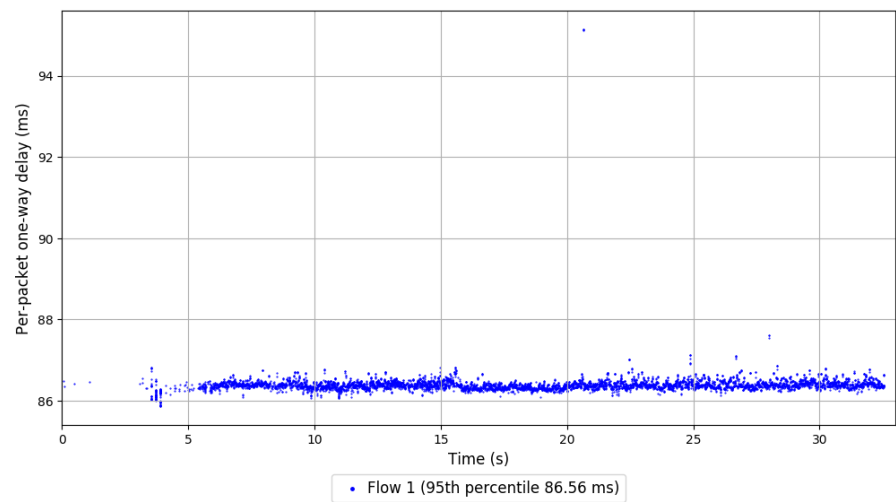
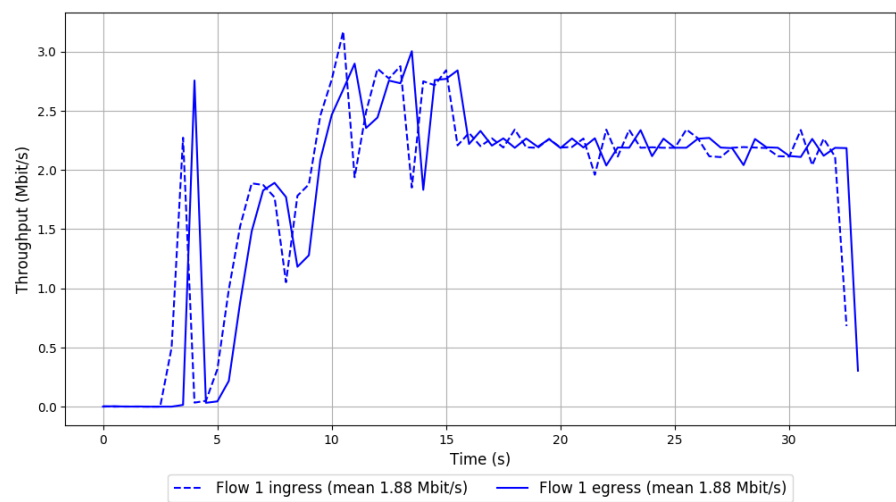
-- Flow 1:

Average throughput: 1.88 Mbit/s

95th percentile per-packet one-way delay: 86.562 ms

Loss rate: 0.61%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-08-10 12:20:19

End at: 2018-08-10 12:20:49

Local clock offset: -0.213 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-08-10 16:26:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.90 Mbit/s

95th percentile per-packet one-way delay: 86.401 ms

Loss rate: 0.68%

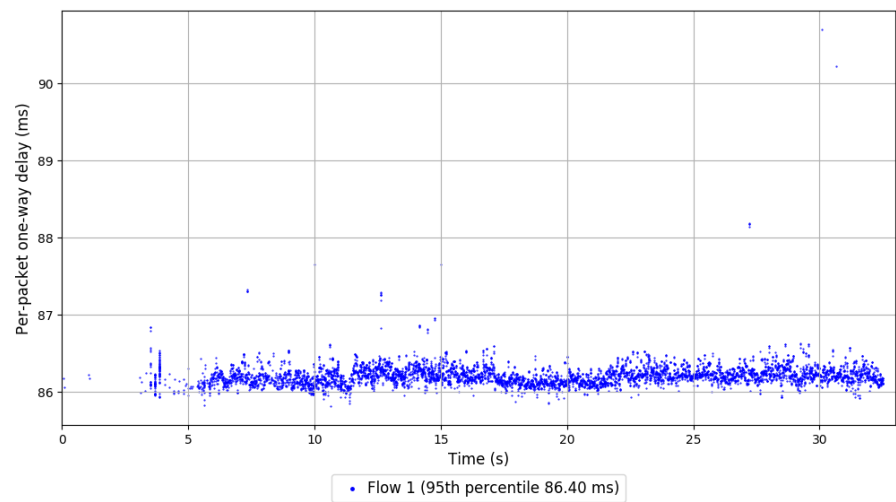
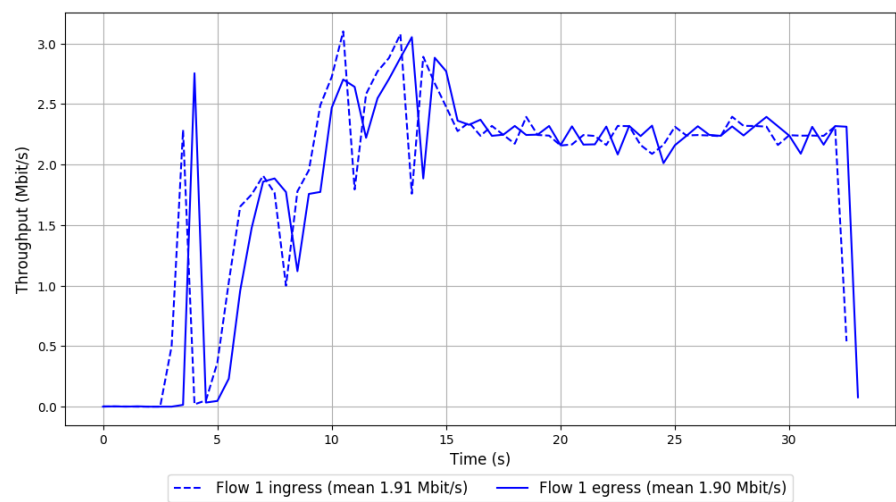
-- Flow 1:

Average throughput: 1.90 Mbit/s

95th percentile per-packet one-way delay: 86.401 ms

Loss rate: 0.68%

Run 6: Report of WebRTC media — Data Link

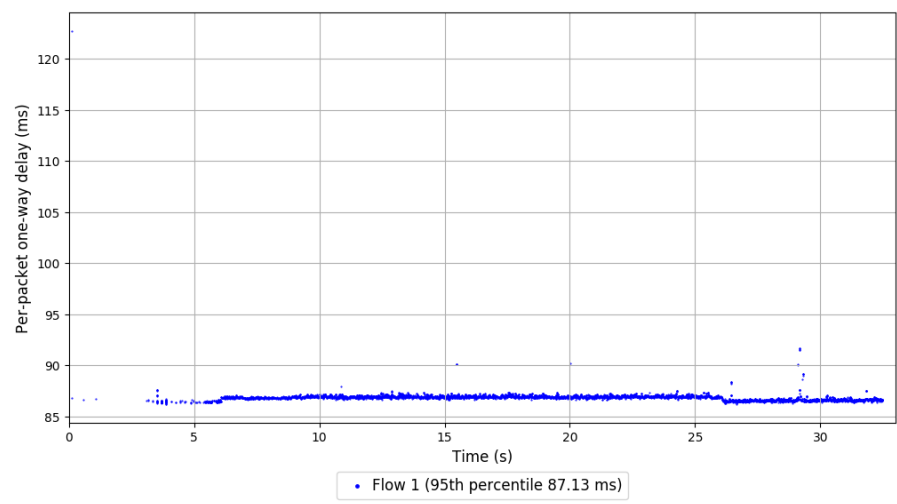
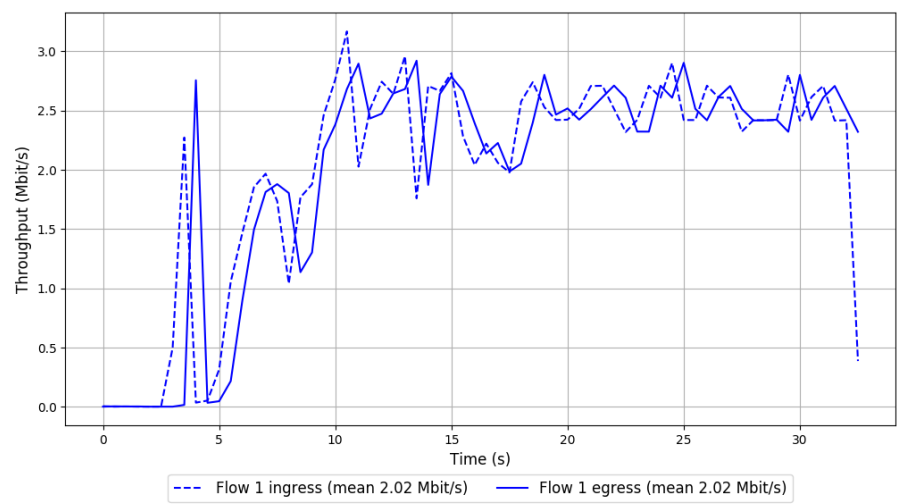


Run 7: Statistics of WebRTC media

Start at: 2018-08-10 12:43:34
End at: 2018-08-10 12:44:04
Local clock offset: 0.016 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-08-10 16:26:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 87.130 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 87.130 ms
Loss rate: 0.66%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-08-10 13:07:01

End at: 2018-08-10 13:07:31

Local clock offset: -0.188 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-08-10 16:26:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.05 Mbit/s

95th percentile per-packet one-way delay: 86.929 ms

Loss rate: 0.62%

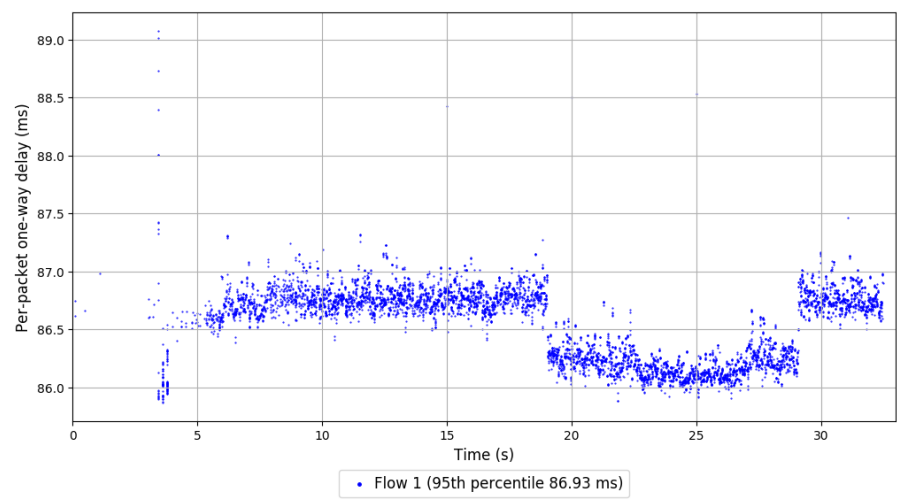
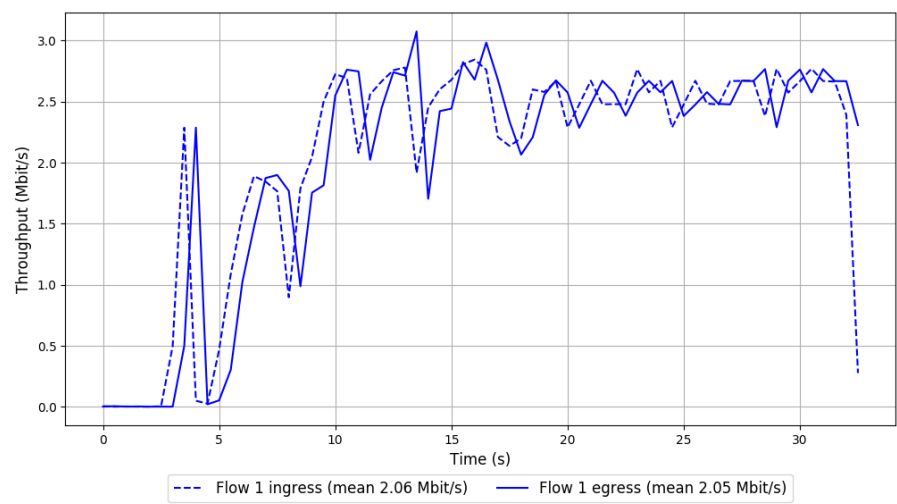
-- Flow 1:

Average throughput: 2.05 Mbit/s

95th percentile per-packet one-way delay: 86.929 ms

Loss rate: 0.62%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-08-10 13:30:01

End at: 2018-08-10 13:30:32

Local clock offset: 0.146 ms

Remote clock offset: 0.091 ms

Below is generated by plot.py at 2018-08-10 16:26:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 86.853 ms

Loss rate: 0.54%

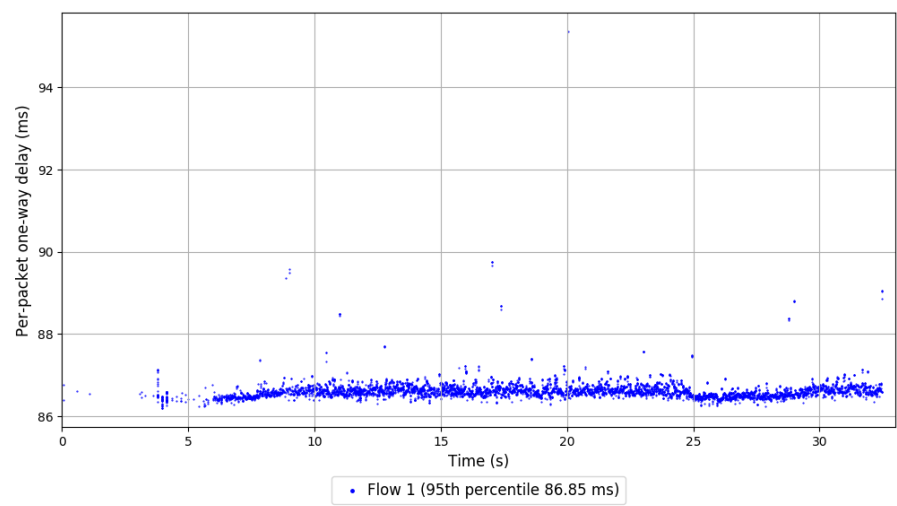
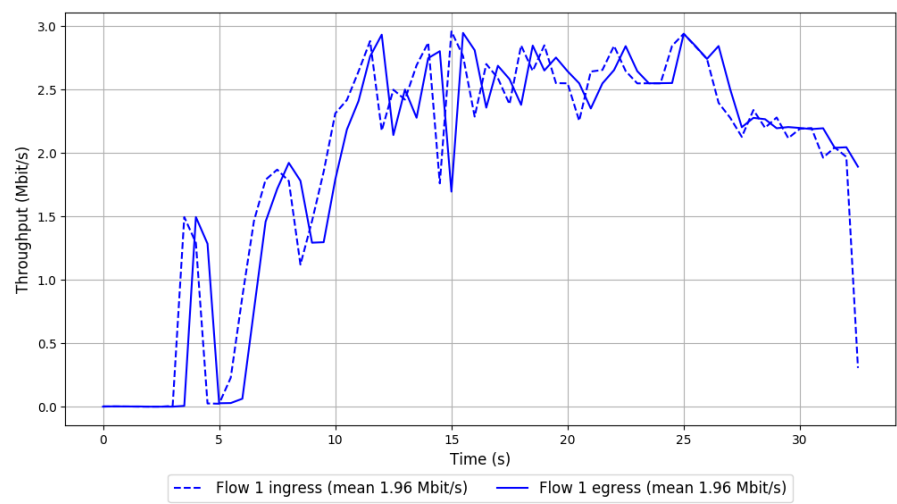
-- Flow 1:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 86.853 ms

Loss rate: 0.54%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-10 13:53:11

End at: 2018-08-10 13:53:41

Local clock offset: -0.218 ms

Remote clock offset: 0.179 ms

Below is generated by plot.py at 2018-08-10 16:26:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.02 Mbit/s

95th percentile per-packet one-way delay: 86.775 ms

Loss rate: 0.68%

-- Flow 1:

Average throughput: 2.02 Mbit/s

95th percentile per-packet one-way delay: 86.775 ms

Loss rate: 0.68%

Run 10: Report of WebRTC media — Data Link

