

Pantheon Report

Generated at 2018-07-18 03:06:16 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

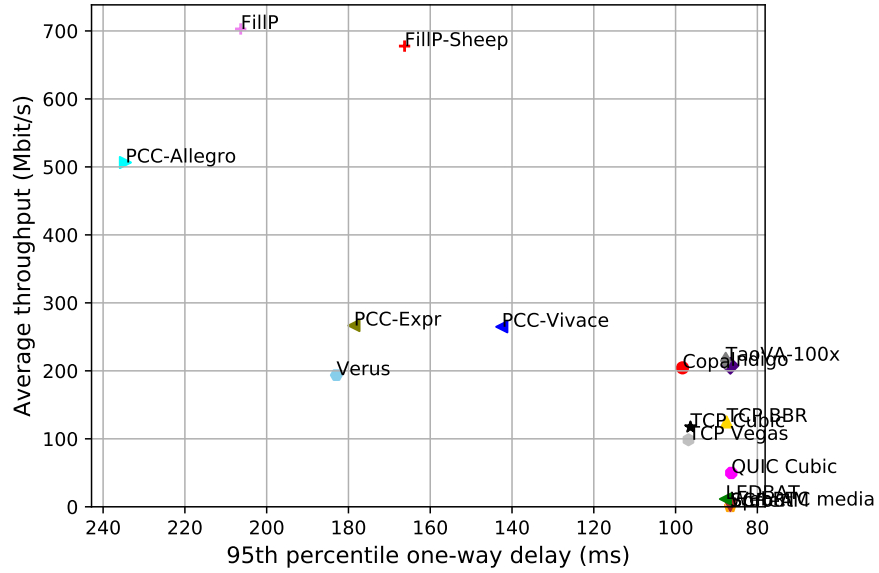
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

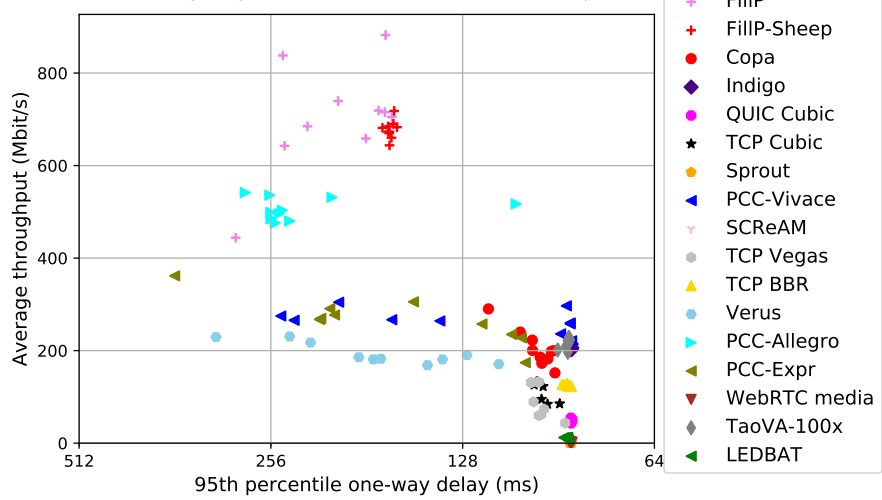
Git summary:

```
branch: master @ f7befc2d8410f41949e0ad8143a9aab40bab7edb
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
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-quirk @ 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 Sydney to GCE Iowa, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from GCE Sydney to GCE Iowa, 10 runs of 30s each per scheme



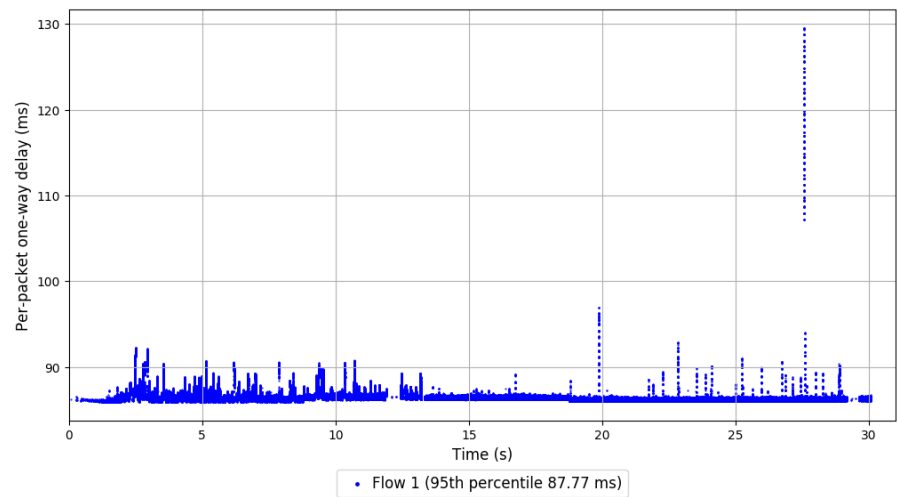
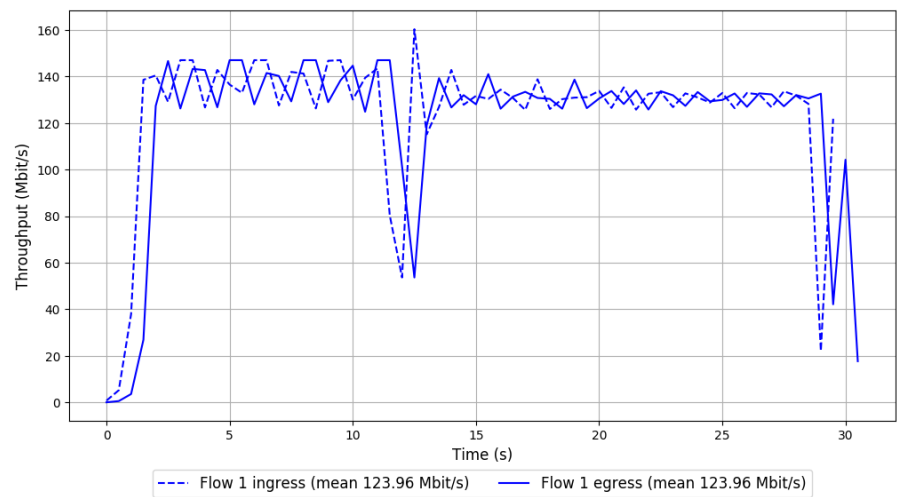
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	124.85	87.53	0.00
Copa	10	204.40	98.30	0.01
TCP Cubic	10	117.29	96.36	0.00
FillP	10	702.90	206.35	4.79
FillP-Sheep	10	677.71	166.27	1.91
Indigo	9	207.40	86.61	0.01
LEDBAT	10	11.47	87.81	0.01
PCC-Allegro	10	506.45	234.54	2.98
PCC-Expr	10	266.61	178.67	3.73
QUIC Cubic	7	49.78	86.38	0.00
SCReAM	10	0.22	86.65	0.00
Sprout	10	0.29	86.62	0.00
TaoVA-100x	10	214.99	87.74	0.00
TCP Vegas	10	98.57	96.85	0.00
Verus	10	193.68	182.94	1.60
PCC-Vivace	10	264.78	142.50	0.26
WebRTC media	10	1.89	86.61	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-07-17 21:39:27
End at: 2018-07-17 21:39:57
Local clock offset: -0.352 ms
Remote clock offset: -1.891 ms

Below is generated by plot.py at 2018-07-18 01:25:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 123.96 Mbit/s
95th percentile per-packet one-way delay: 87.772 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 123.96 Mbit/s
95th percentile per-packet one-way delay: 87.772 ms
Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link

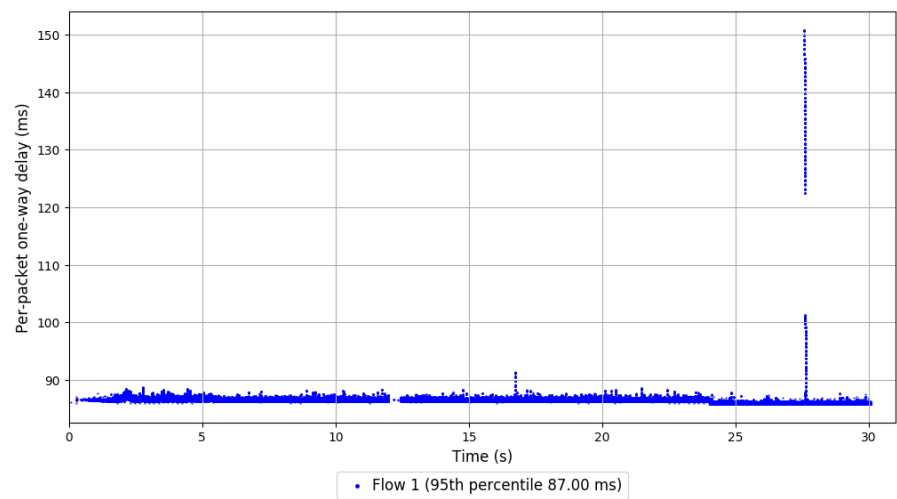
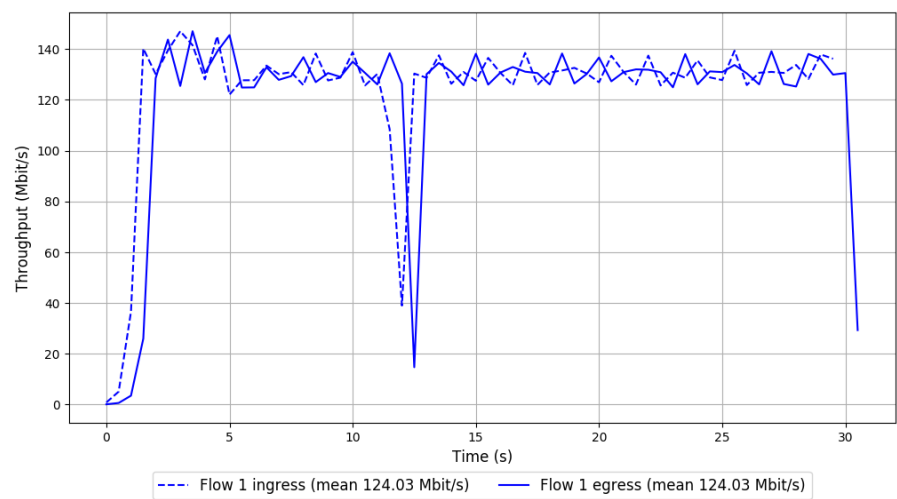


Run 2: Statistics of TCP BBR

Start at: 2018-07-17 22:02:01
End at: 2018-07-17 22:02:31
Local clock offset: -0.414 ms
Remote clock offset: -3.277 ms

Below is generated by plot.py at 2018-07-18 01:25:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 124.03 Mbit/s
95th percentile per-packet one-way delay: 86.995 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 124.03 Mbit/s
95th percentile per-packet one-way delay: 86.995 ms
Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link

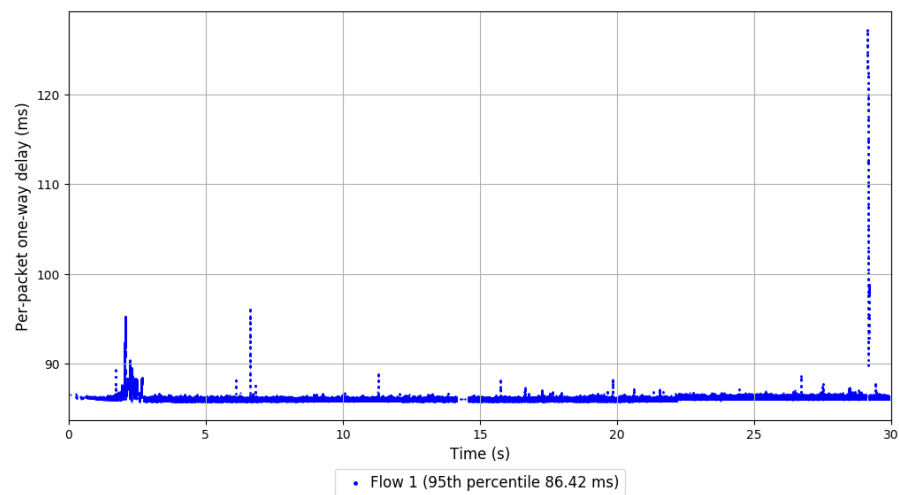
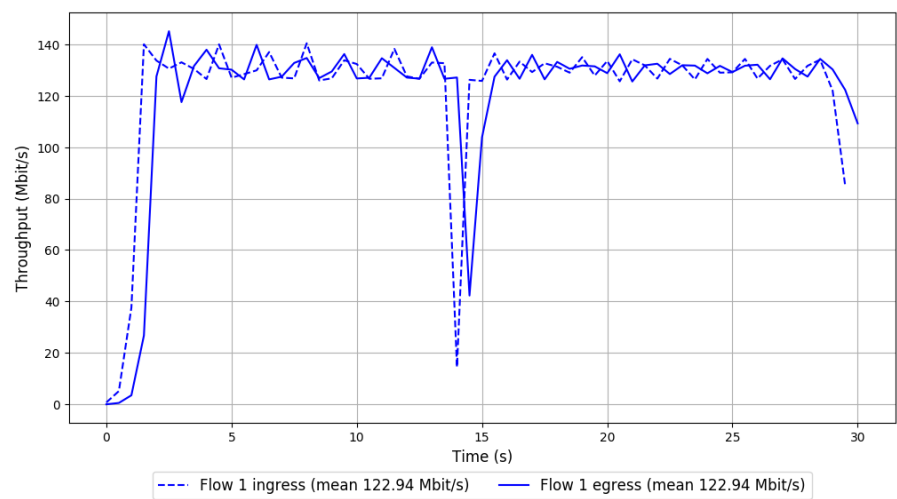


Run 3: Statistics of TCP BBR

Start at: 2018-07-17 22:24:43
End at: 2018-07-17 22:25:13
Local clock offset: -0.445 ms
Remote clock offset: -4.435 ms

Below is generated by plot.py at 2018-07-18 01:25:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 122.94 Mbit/s
95th percentile per-packet one-way delay: 86.422 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 122.94 Mbit/s
95th percentile per-packet one-way delay: 86.422 ms
Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link

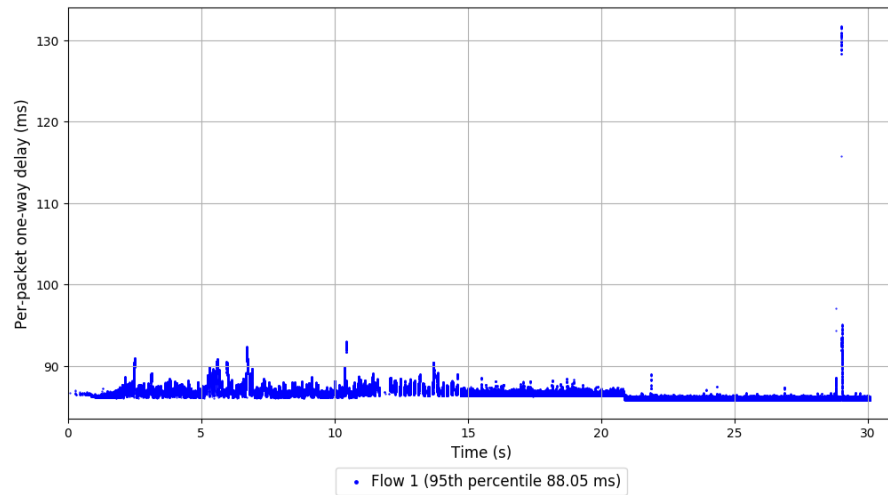
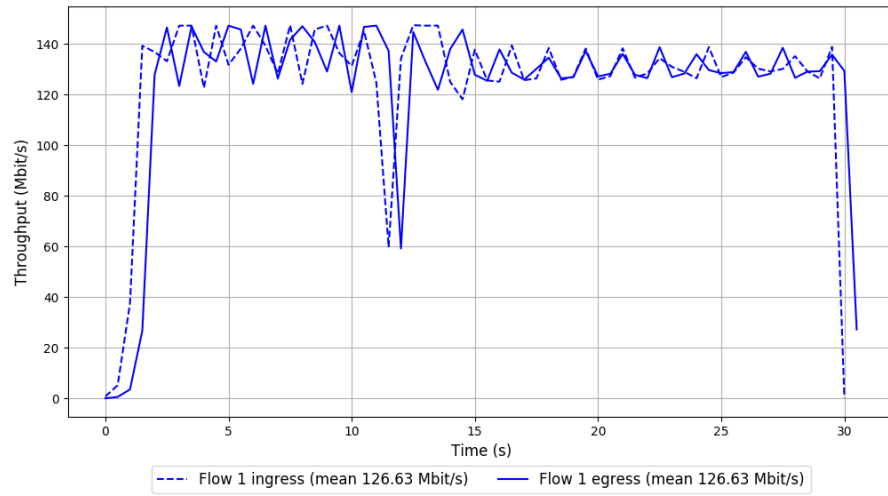


Run 4: Statistics of TCP BBR

Start at: 2018-07-17 22:47:15
End at: 2018-07-17 22:47:45
Local clock offset: -0.89 ms
Remote clock offset: -2.228 ms

Below is generated by plot.py at 2018-07-18 01:25:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 126.63 Mbit/s
95th percentile per-packet one-way delay: 88.050 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 126.63 Mbit/s
95th percentile per-packet one-way delay: 88.050 ms
Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link

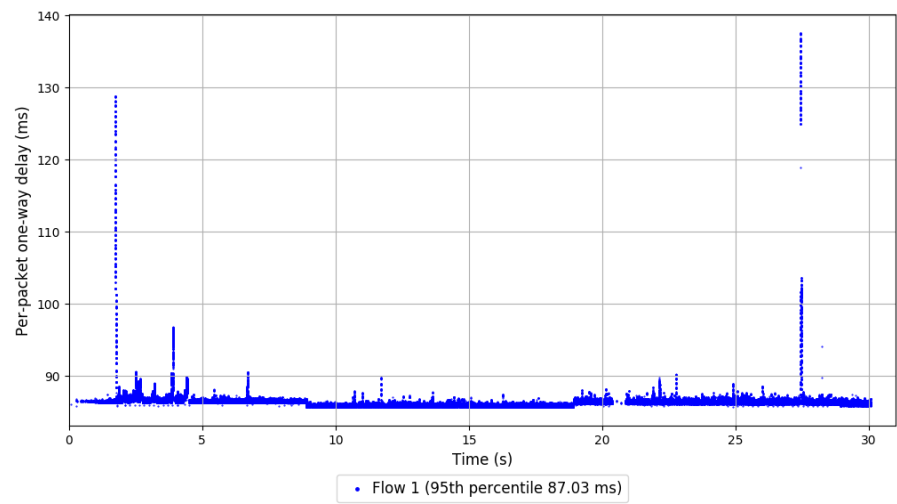
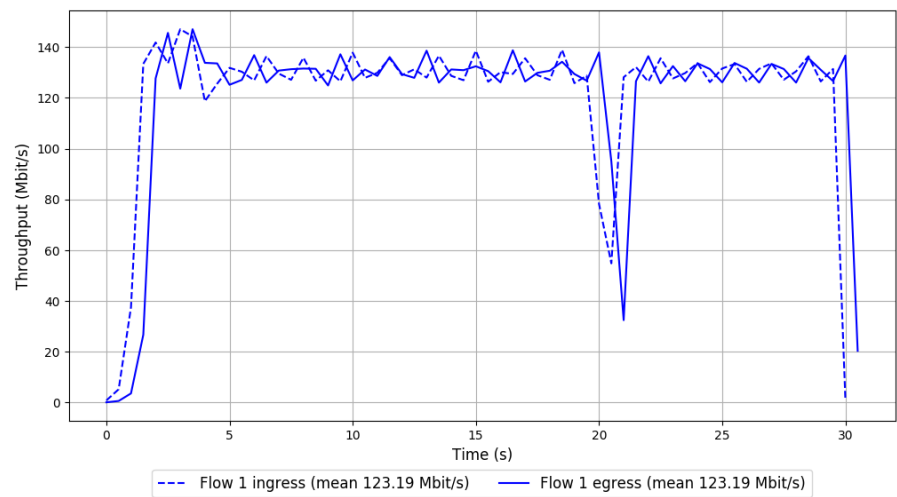


Run 5: Statistics of TCP BBR

Start at: 2018-07-17 23:09:47
End at: 2018-07-17 23:10:17
Local clock offset: -0.263 ms
Remote clock offset: -2.291 ms

Below is generated by plot.py at 2018-07-18 01:25:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 123.19 Mbit/s
95th percentile per-packet one-way delay: 87.035 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 123.19 Mbit/s
95th percentile per-packet one-way delay: 87.035 ms
Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-17 23:32:25

End at: 2018-07-17 23:32:55

Local clock offset: -0.09 ms

Remote clock offset: -1.156 ms

Below is generated by plot.py at 2018-07-18 01:25:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 122.41 Mbit/s

95th percentile per-packet one-way delay: 86.905 ms

Loss rate: 0.00%

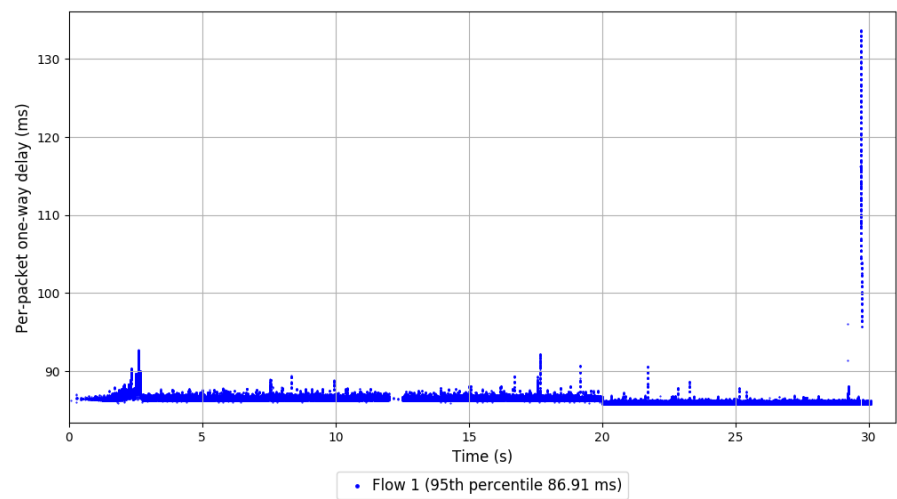
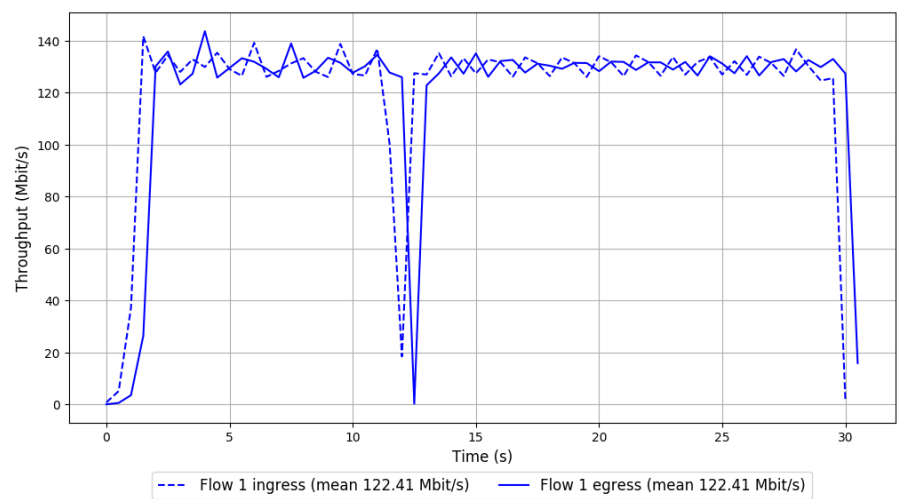
-- Flow 1:

Average throughput: 122.41 Mbit/s

95th percentile per-packet one-way delay: 86.905 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link

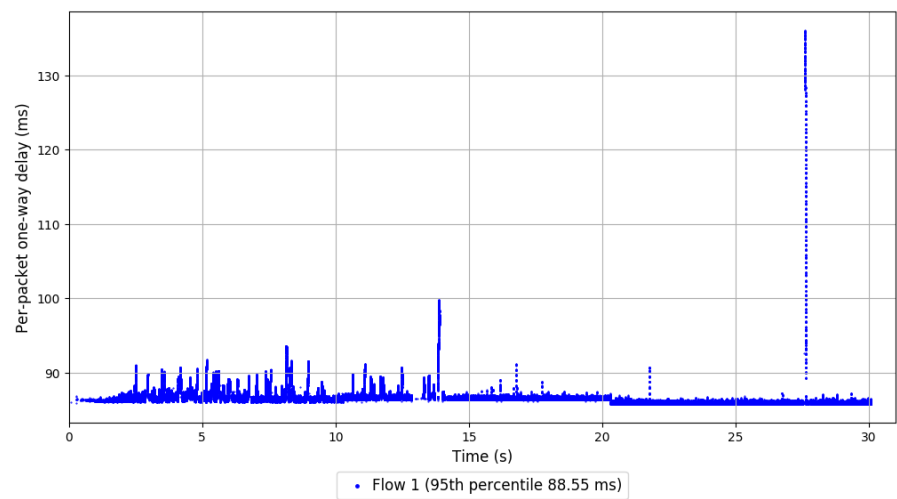
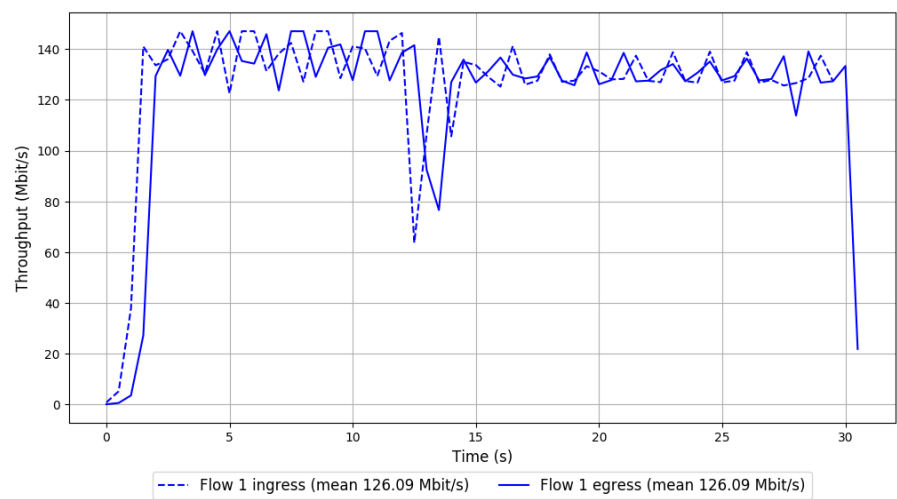


Run 7: Statistics of TCP BBR

Start at: 2018-07-17 23:54:55
End at: 2018-07-17 23:55:25
Local clock offset: -0.076 ms
Remote clock offset: -0.472 ms

Below is generated by plot.py at 2018-07-18 01:25:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 126.09 Mbit/s
95th percentile per-packet one-way delay: 88.550 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 126.09 Mbit/s
95th percentile per-packet one-way delay: 88.550 ms
Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link

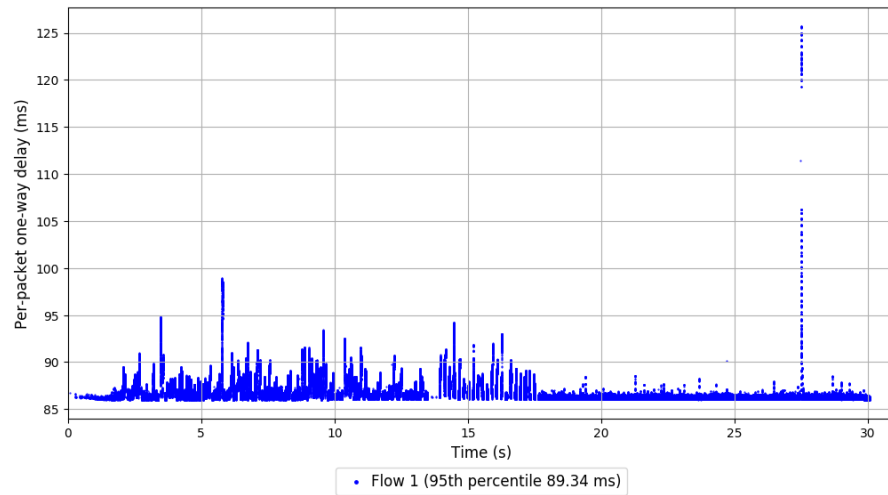
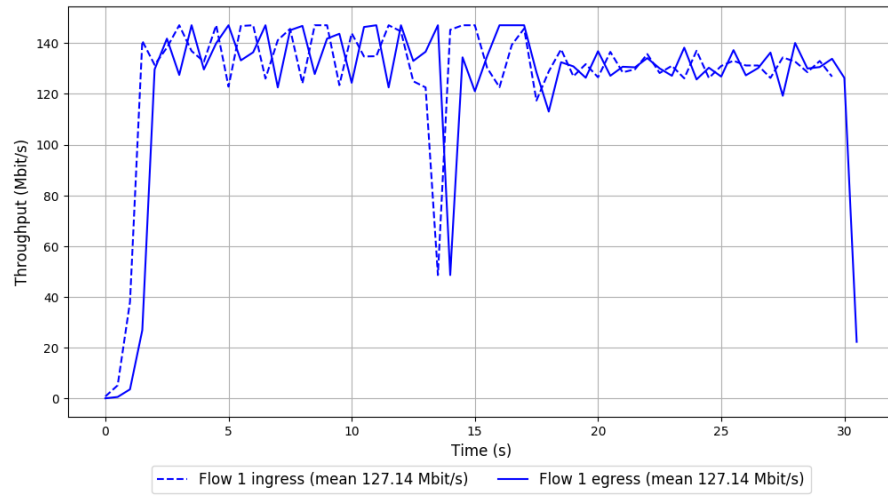


Run 8: Statistics of TCP BBR

Start at: 2018-07-18 00:17:16
End at: 2018-07-18 00:17:46
Local clock offset: -0.257 ms
Remote clock offset: -0.328 ms

Below is generated by plot.py at 2018-07-18 01:25:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 127.14 Mbit/s
95th percentile per-packet one-way delay: 89.339 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 127.14 Mbit/s
95th percentile per-packet one-way delay: 89.339 ms
Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link

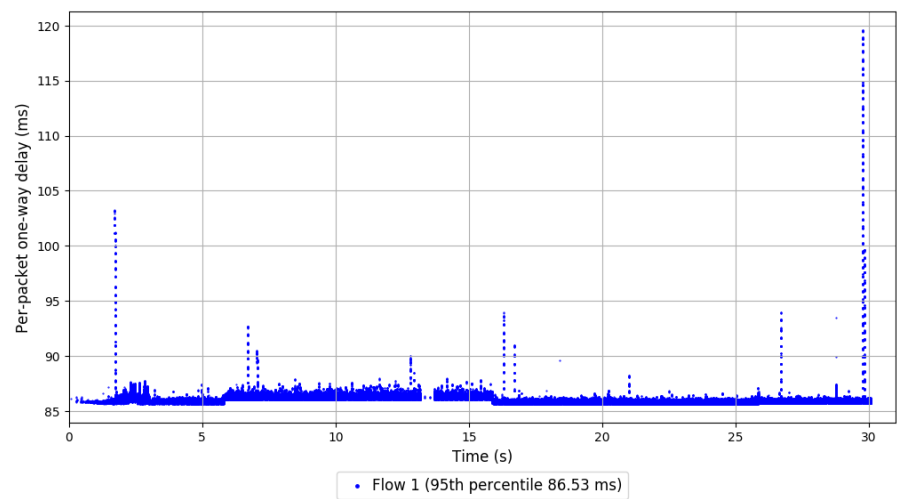
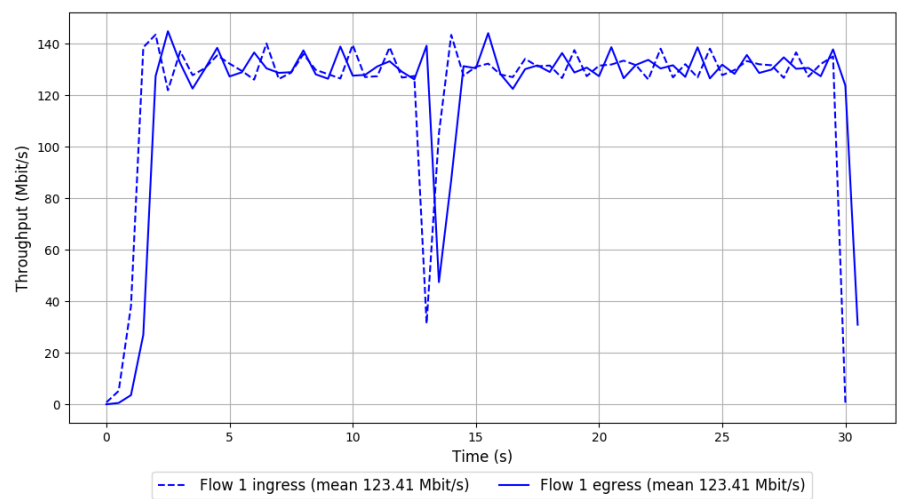


Run 9: Statistics of TCP BBR

Start at: 2018-07-18 00:39:50
End at: 2018-07-18 00:40:20
Local clock offset: -0.132 ms
Remote clock offset: -0.298 ms

Below is generated by plot.py at 2018-07-18 01:27:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 123.41 Mbit/s
95th percentile per-packet one-way delay: 86.526 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 123.41 Mbit/s
95th percentile per-packet one-way delay: 86.526 ms
Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link

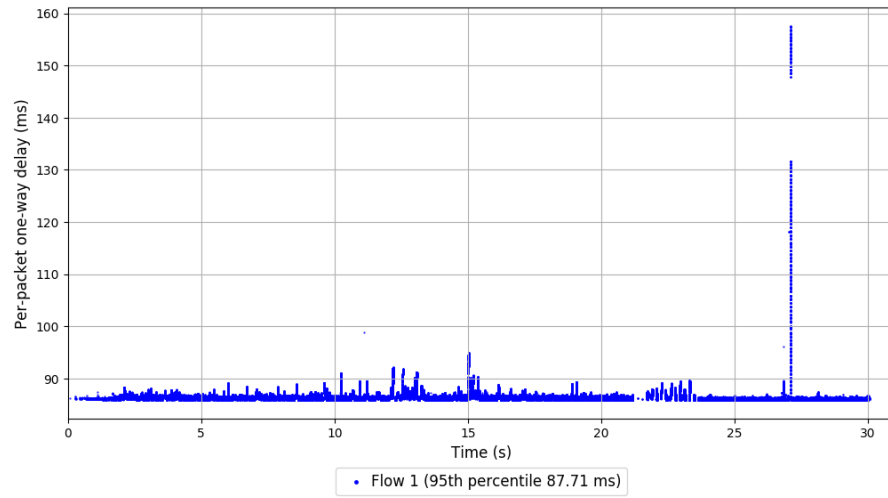
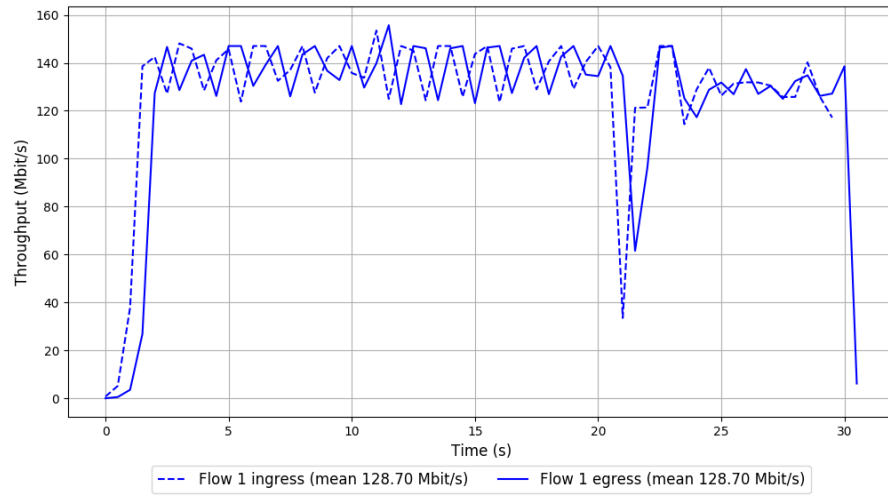


Run 10: Statistics of TCP BBR

Start at: 2018-07-18 01:02:27
End at: 2018-07-18 01:02:57
Local clock offset: -0.167 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-07-18 01:27:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 128.70 Mbit/s
95th percentile per-packet one-way delay: 87.706 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 128.70 Mbit/s
95th percentile per-packet one-way delay: 87.706 ms
Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link

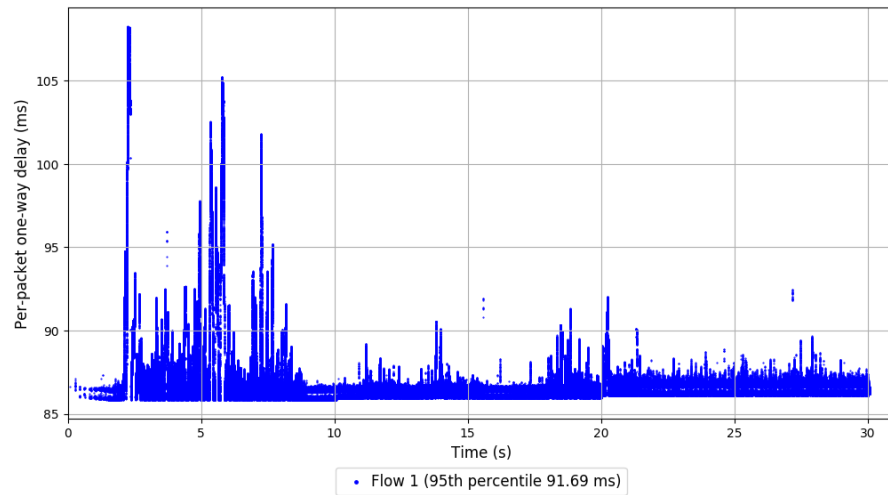
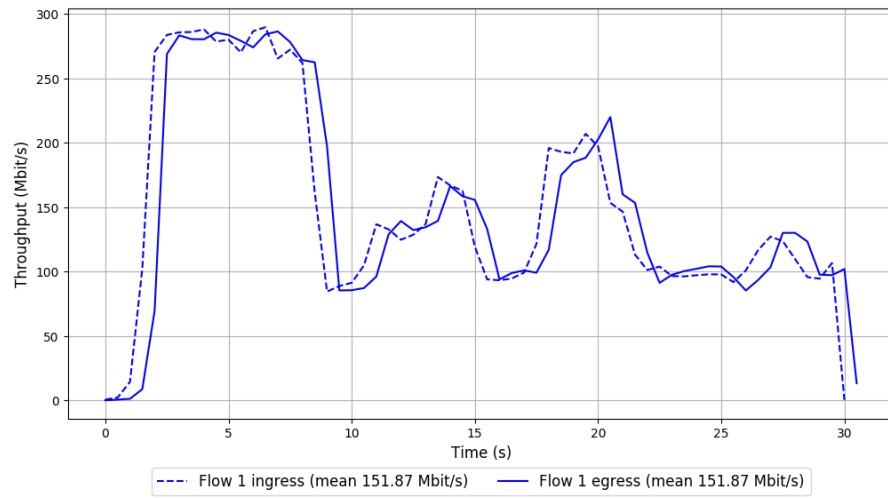


Run 1: Statistics of Copa

Start at: 2018-07-17 21:47:35
End at: 2018-07-17 21:48:05
Local clock offset: -0.334 ms
Remote clock offset: -1.975 ms

Below is generated by plot.py at 2018-07-18 01:30:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 151.87 Mbit/s
95th percentile per-packet one-way delay: 91.691 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 151.87 Mbit/s
95th percentile per-packet one-way delay: 91.691 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

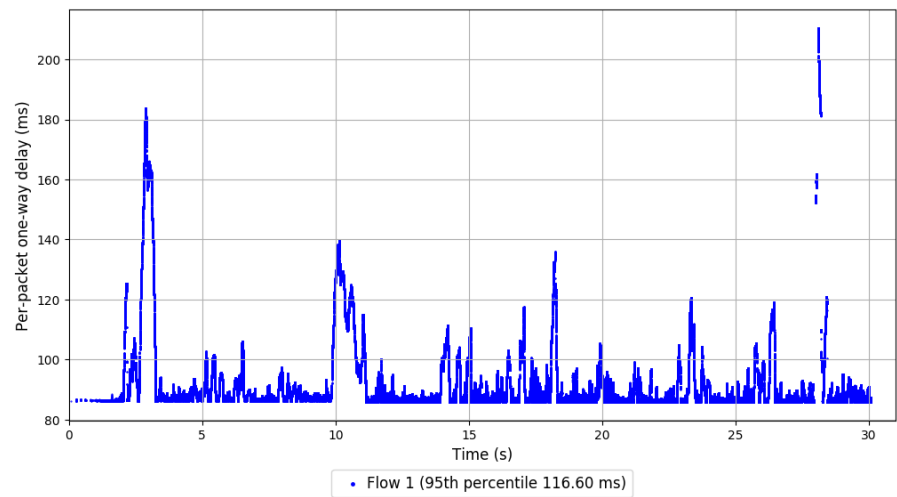
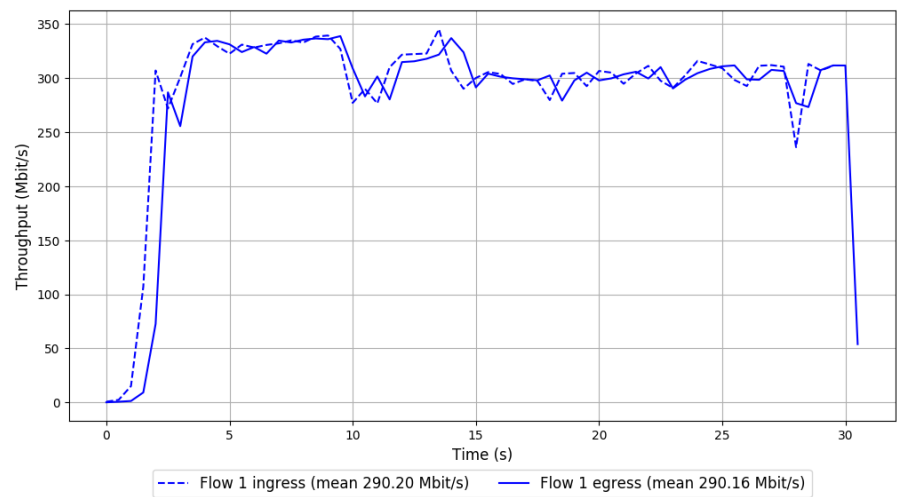


Run 2: Statistics of Copa

Start at: 2018-07-17 22:10:05
End at: 2018-07-17 22:10:35
Local clock offset: -0.365 ms
Remote clock offset: -2.924 ms

Below is generated by plot.py at 2018-07-18 01:35:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 290.16 Mbit/s
95th percentile per-packet one-way delay: 116.601 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 290.16 Mbit/s
95th percentile per-packet one-way delay: 116.601 ms
Loss rate: 0.01%

Run 2: Report of Copa — Data Link

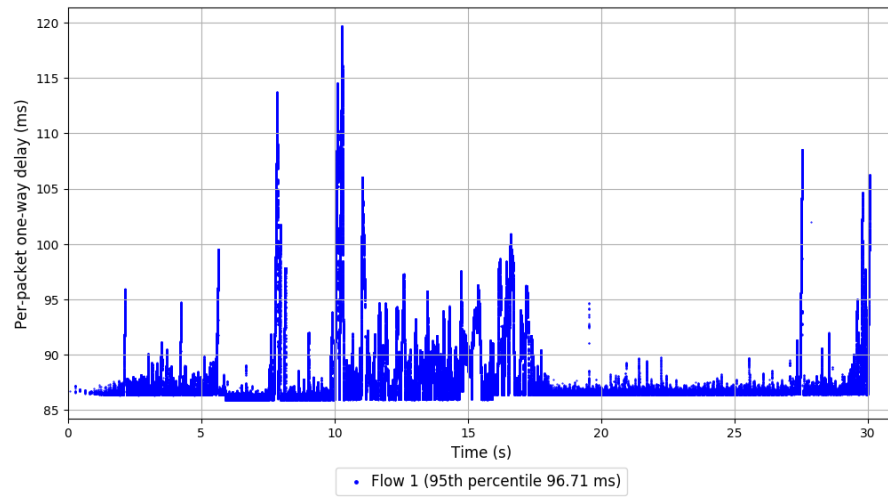
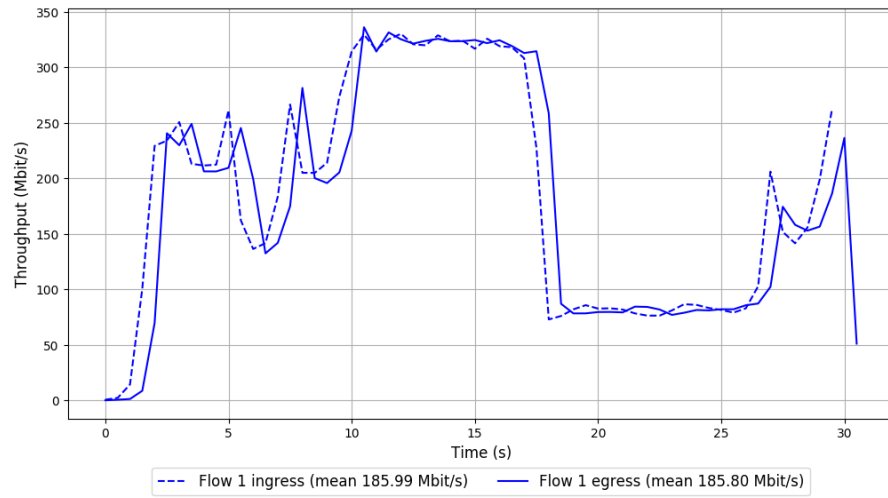


Run 3: Statistics of Copa

Start at: 2018-07-17 22:32:50
End at: 2018-07-17 22:33:20
Local clock offset: -0.741 ms
Remote clock offset: -5.669 ms

Below is generated by plot.py at 2018-07-18 01:35:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 185.80 Mbit/s
95th percentile per-packet one-way delay: 96.708 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 185.80 Mbit/s
95th percentile per-packet one-way delay: 96.708 ms
Loss rate: 0.10%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-07-17 22:55:16

End at: 2018-07-17 22:55:46

Local clock offset: -1.027 ms

Remote clock offset: -2.25 ms

Below is generated by plot.py at 2018-07-18 01:35:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 199.80 Mbit/s

95th percentile per-packet one-way delay: 92.090 ms

Loss rate: 0.00%

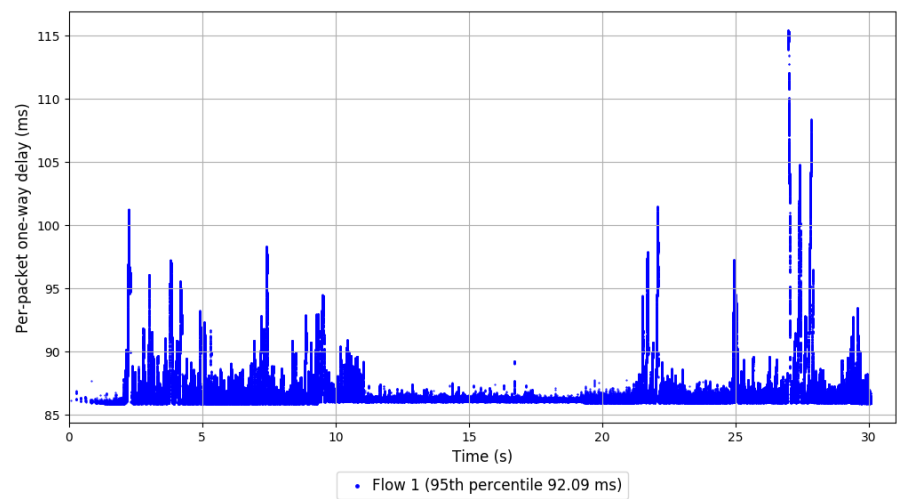
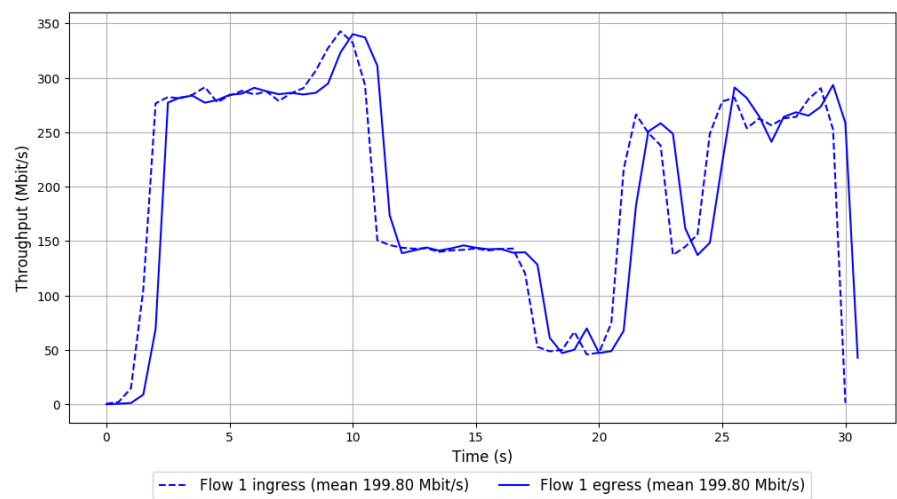
-- Flow 1:

Average throughput: 199.80 Mbit/s

95th percentile per-packet one-way delay: 92.090 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link

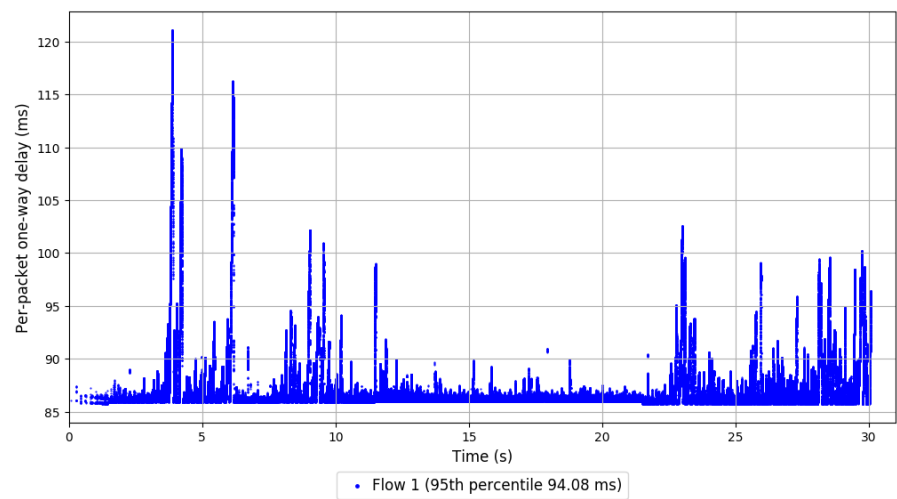
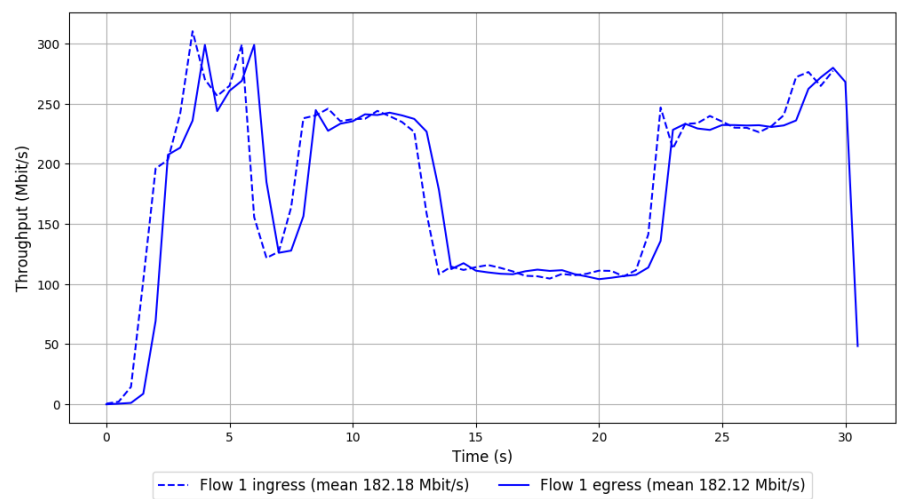


Run 5: Statistics of Copa

Start at: 2018-07-17 23:17:54
End at: 2018-07-17 23:18:24
Local clock offset: -0.095 ms
Remote clock offset: -1.259 ms

Below is generated by plot.py at 2018-07-18 01:35:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 182.12 Mbit/s
95th percentile per-packet one-way delay: 94.082 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 182.12 Mbit/s
95th percentile per-packet one-way delay: 94.082 ms
Loss rate: 0.02%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-17 23:40:29

End at: 2018-07-17 23:40:59

Local clock offset: -0.131 ms

Remote clock offset: -1.41 ms

Below is generated by plot.py at 2018-07-18 01:35:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.55 Mbit/s

95th percentile per-packet one-way delay: 99.508 ms

Loss rate: 0.00%

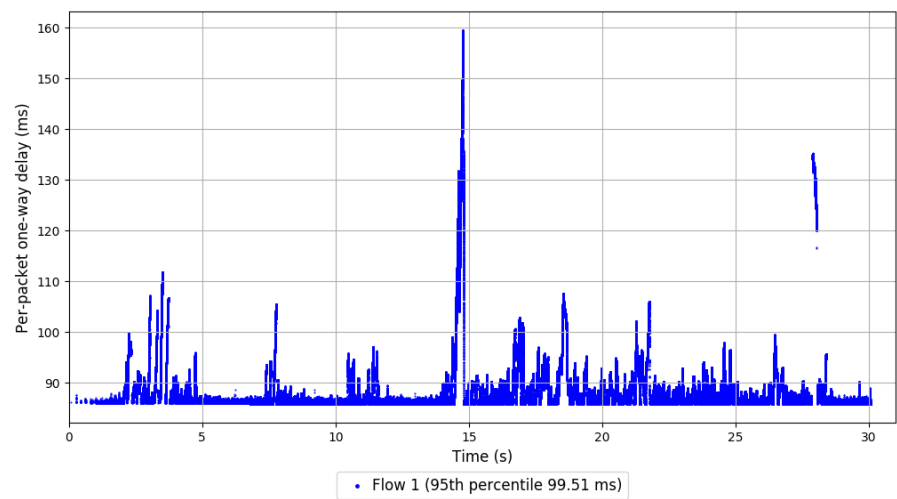
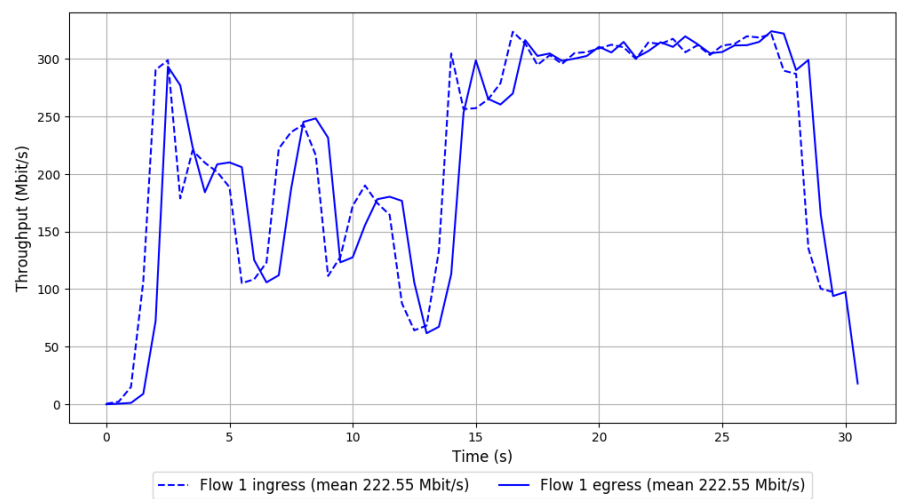
-- Flow 1:

Average throughput: 222.55 Mbit/s

95th percentile per-packet one-way delay: 99.508 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link

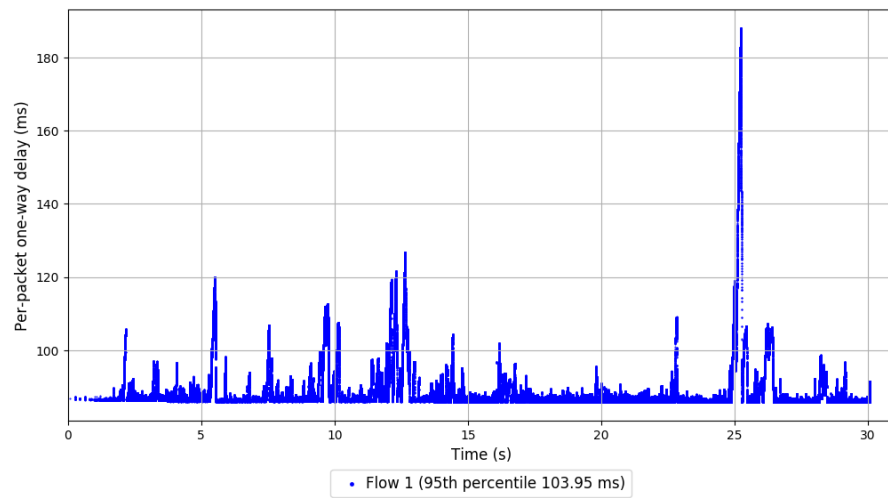
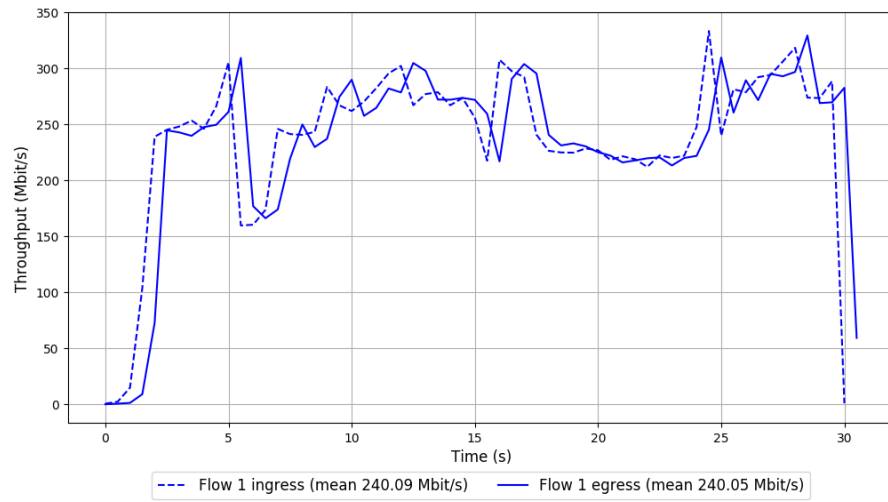


Run 7: Statistics of Copa

Start at: 2018-07-18 00:02:52
End at: 2018-07-18 00:03:22
Local clock offset: -0.1 ms
Remote clock offset: -0.319 ms

Below is generated by plot.py at 2018-07-18 01:35:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 240.05 Mbit/s
95th percentile per-packet one-way delay: 103.946 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 240.05 Mbit/s
95th percentile per-packet one-way delay: 103.946 ms
Loss rate: 0.01%

Run 7: Report of Copa — Data Link

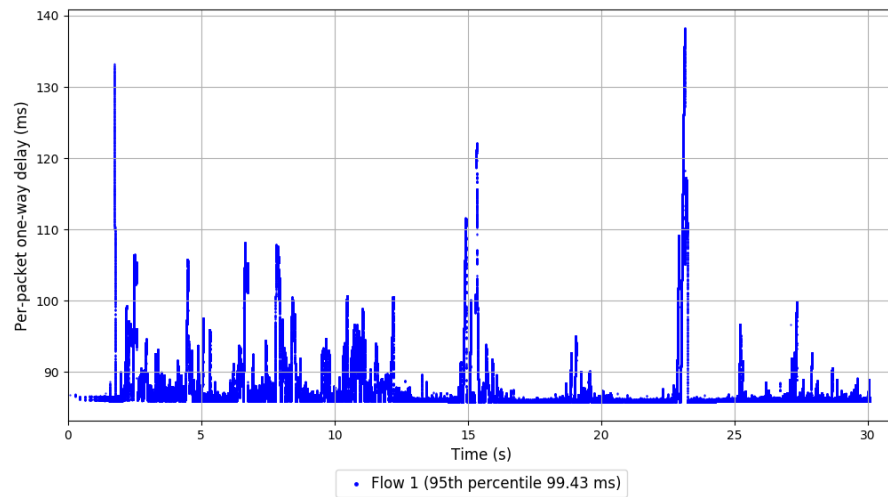
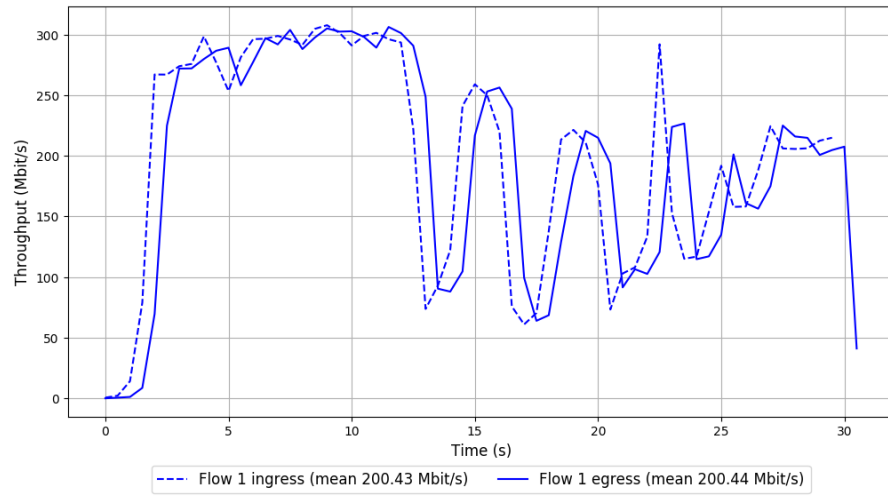


Run 8: Statistics of Copa

Start at: 2018-07-18 00:25:21
End at: 2018-07-18 00:25:51
Local clock offset: -0.172 ms
Remote clock offset: -0.145 ms

Below is generated by plot.py at 2018-07-18 01:35:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 200.44 Mbit/s
95th percentile per-packet one-way delay: 99.430 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 200.44 Mbit/s
95th percentile per-packet one-way delay: 99.430 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link

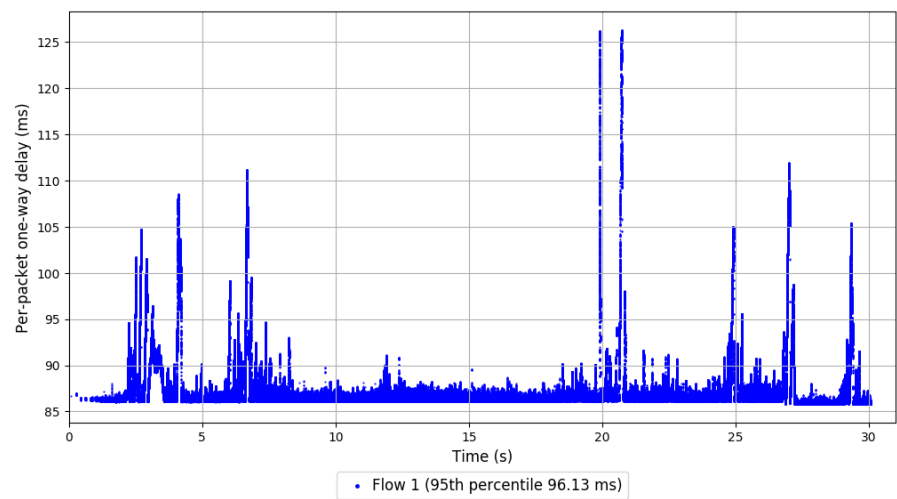
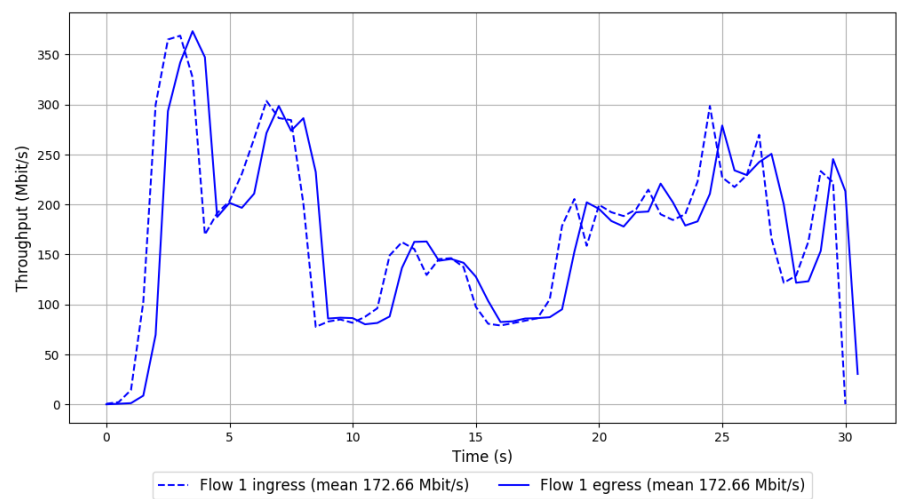


Run 9: Statistics of Copa

Start at: 2018-07-18 00:47:59
End at: 2018-07-18 00:48:29
Local clock offset: -0.18 ms
Remote clock offset: -0.149 ms

Below is generated by plot.py at 2018-07-18 01:36:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 172.66 Mbit/s
95th percentile per-packet one-way delay: 96.131 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 172.66 Mbit/s
95th percentile per-packet one-way delay: 96.131 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link

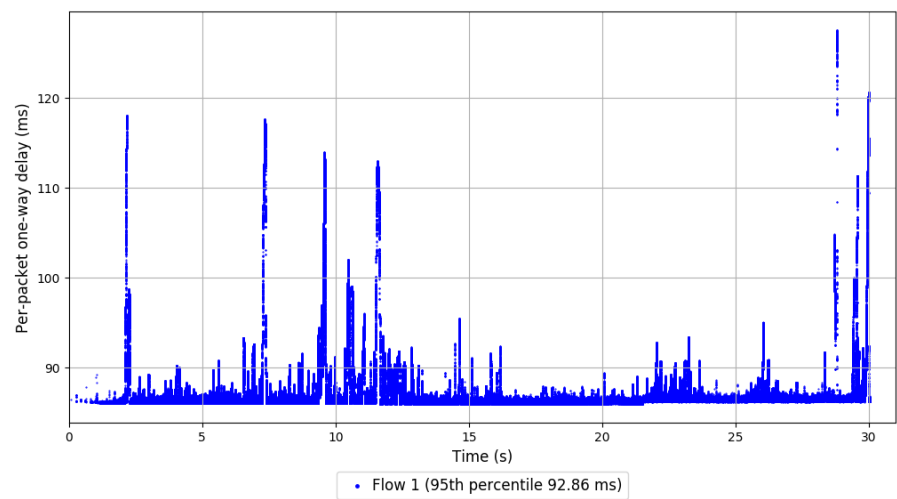
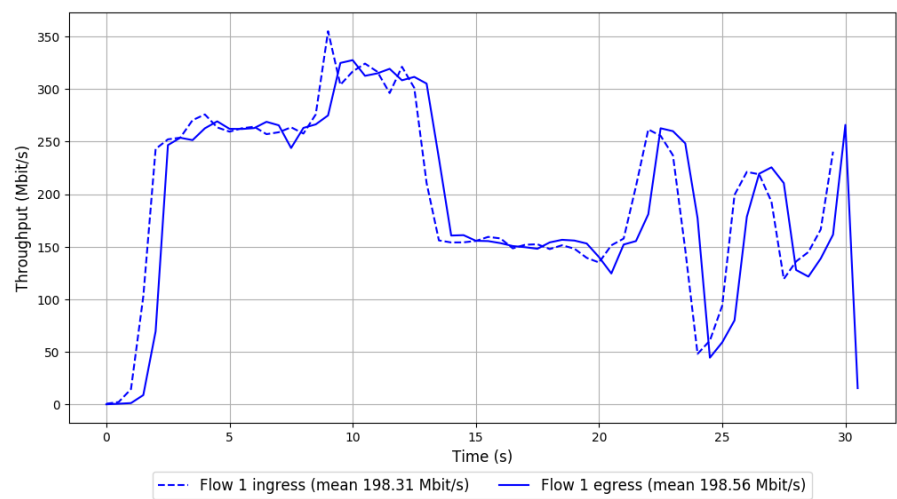


Run 10: Statistics of Copa

Start at: 2018-07-18 01:10:34
End at: 2018-07-18 01:11:04
Local clock offset: -0.285 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2018-07-18 01:38:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 198.56 Mbit/s
95th percentile per-packet one-way delay: 92.857 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 198.56 Mbit/s
95th percentile per-packet one-way delay: 92.857 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link

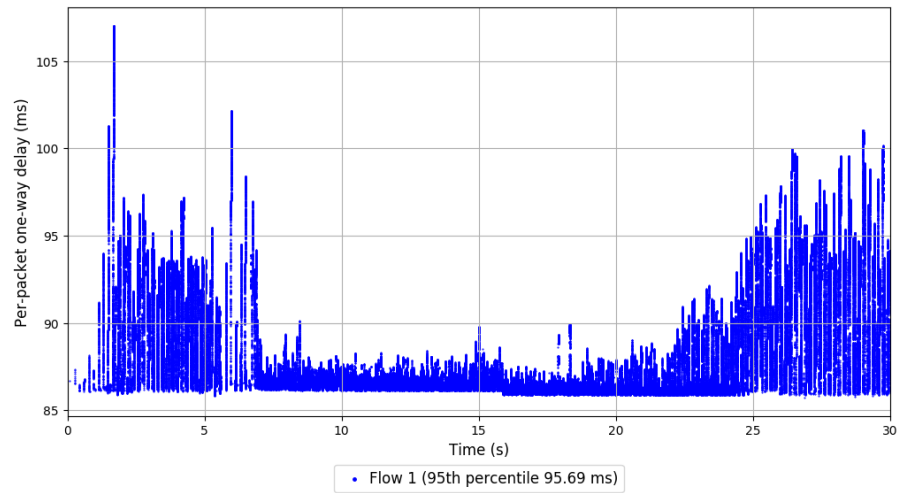
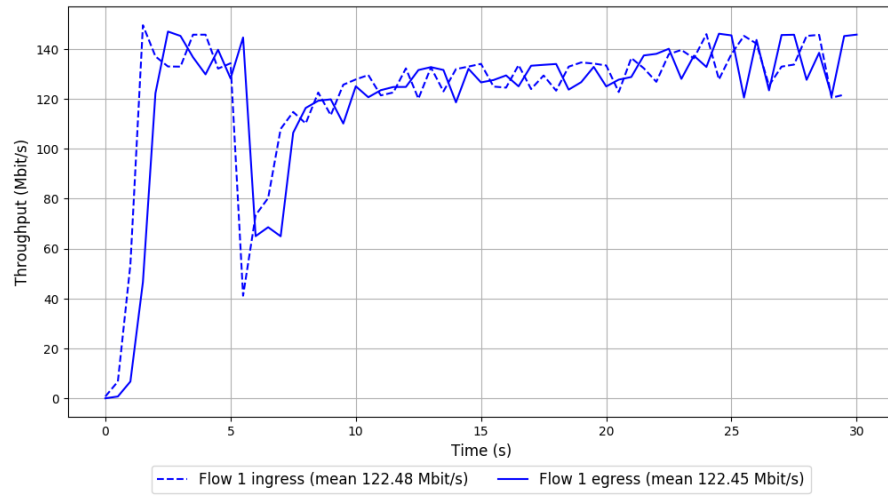


Run 1: Statistics of TCP Cubic

Start at: 2018-07-17 21:29:20
End at: 2018-07-17 21:29:50
Local clock offset: -0.305 ms
Remote clock offset: -0.936 ms

Below is generated by plot.py at 2018-07-18 01:38:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 122.45 Mbit/s
95th percentile per-packet one-way delay: 95.692 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 122.45 Mbit/s
95th percentile per-packet one-way delay: 95.692 ms
Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link

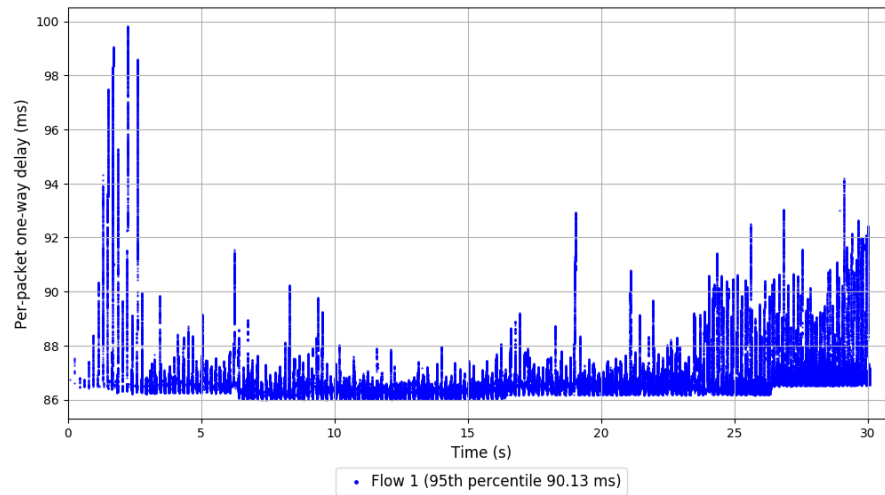
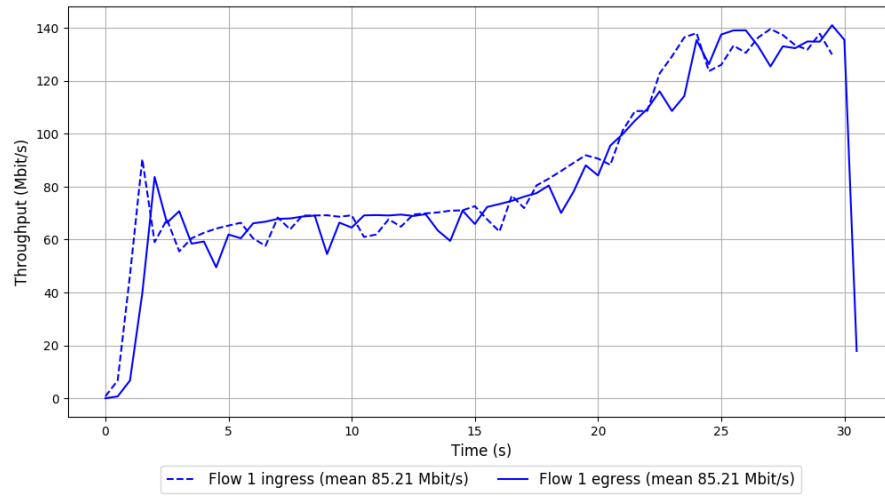


Run 2: Statistics of TCP Cubic

Start at: 2018-07-17 21:51:29
End at: 2018-07-17 21:51:59
Local clock offset: -0.4 ms
Remote clock offset: -2.322 ms

Below is generated by plot.py at 2018-07-18 01:38:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.21 Mbit/s
95th percentile per-packet one-way delay: 90.131 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.21 Mbit/s
95th percentile per-packet one-way delay: 90.131 ms
Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link

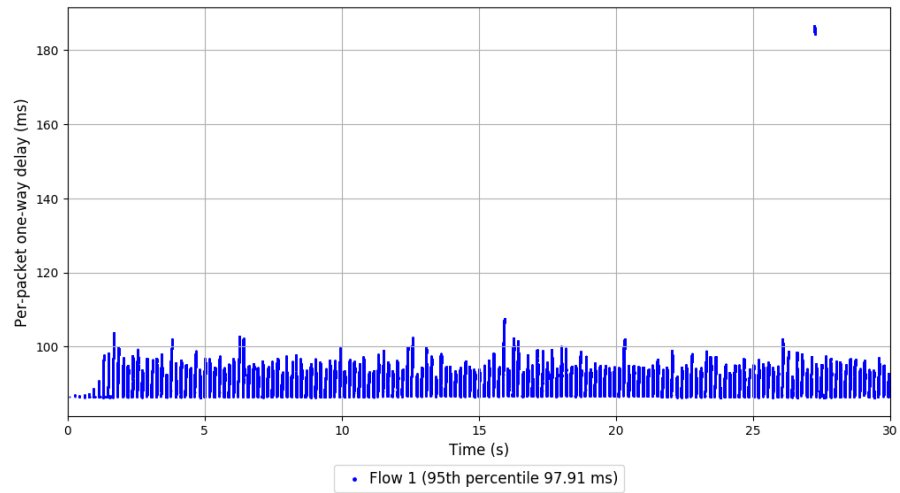
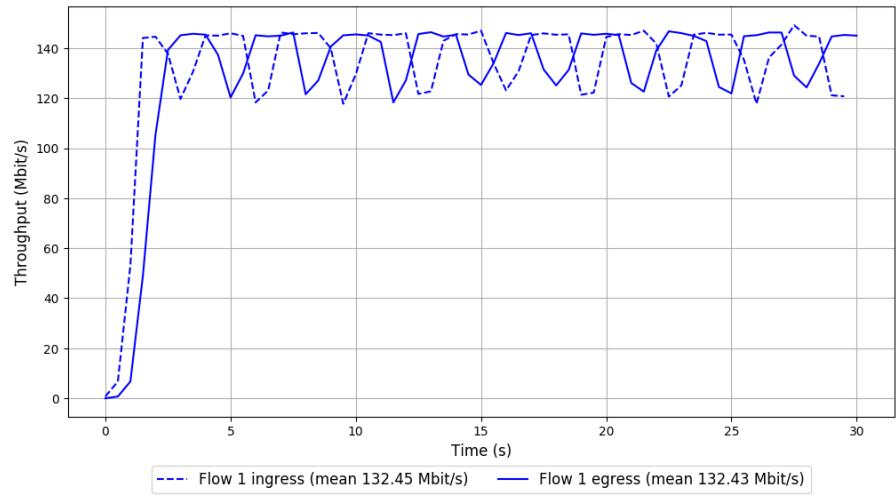


Run 3: Statistics of TCP Cubic

Start at: 2018-07-17 22:14:14
End at: 2018-07-17 22:14:44
Local clock offset: -0.759 ms
Remote clock offset: -3.172 ms

Below is generated by plot.py at 2018-07-18 01:38:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 132.43 Mbit/s
95th percentile per-packet one-way delay: 97.908 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 132.43 Mbit/s
95th percentile per-packet one-way delay: 97.908 ms
Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link

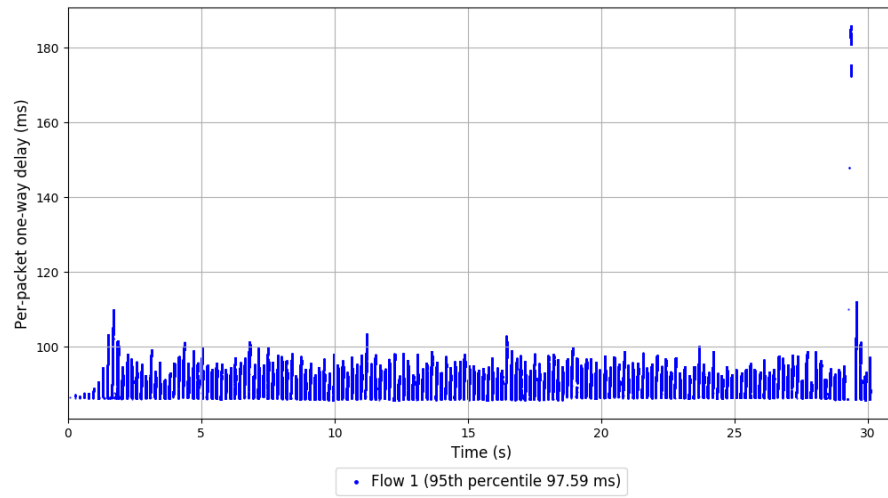
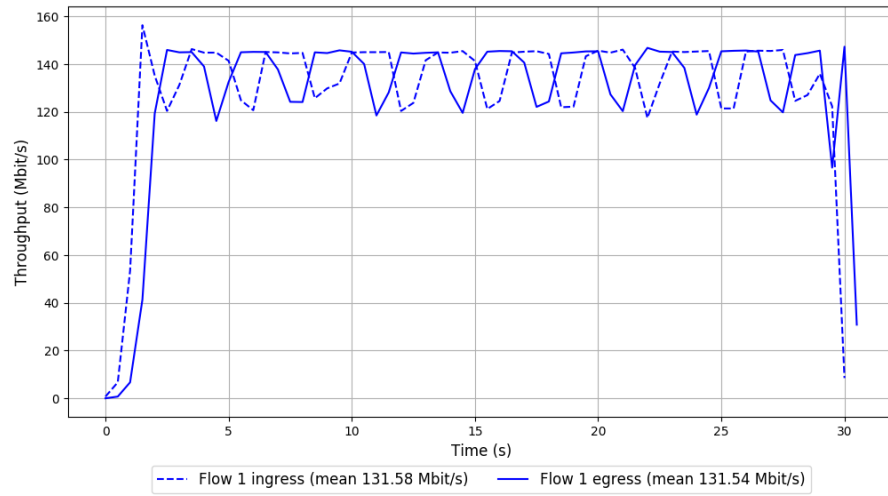


Run 4: Statistics of TCP Cubic

Start at: 2018-07-17 22:36:47
End at: 2018-07-17 22:37:17
Local clock offset: -0.72 ms
Remote clock offset: -4.197 ms

Below is generated by plot.py at 2018-07-18 01:38:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 131.54 Mbit/s
95th percentile per-packet one-way delay: 97.588 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 131.54 Mbit/s
95th percentile per-packet one-way delay: 97.588 ms
Loss rate: 0.03%

Run 4: Report of TCP Cubic — Data Link

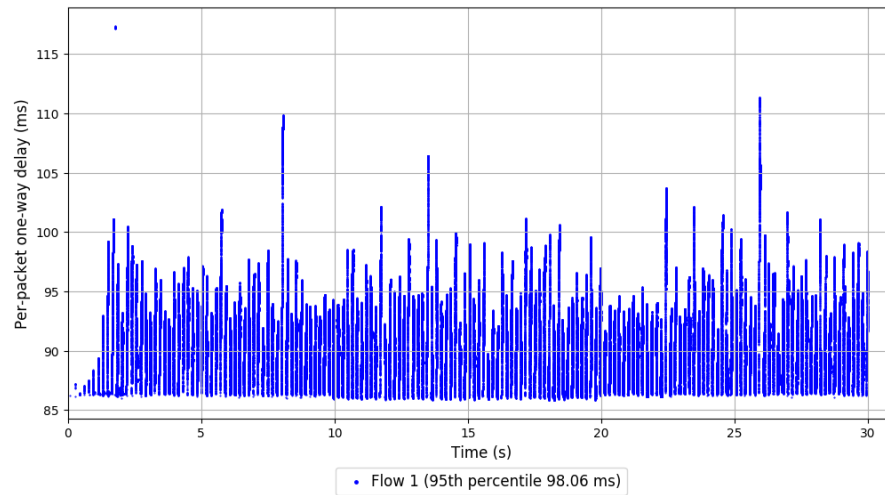
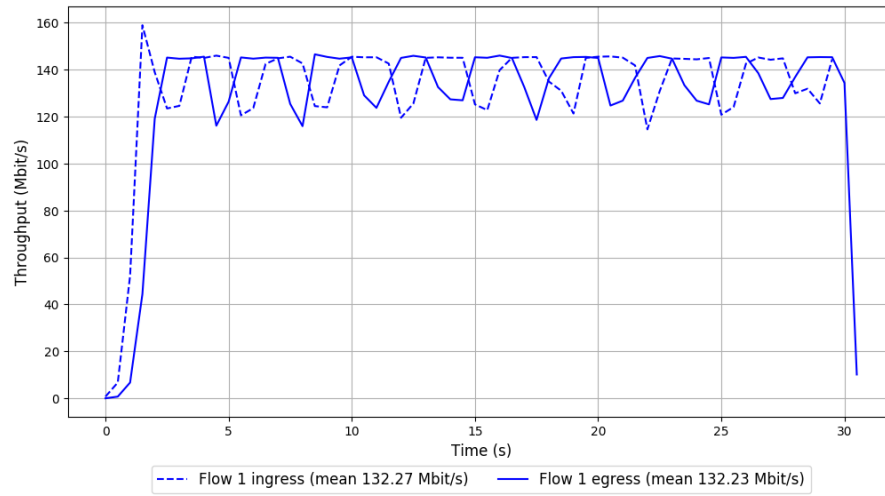


Run 5: Statistics of TCP Cubic

Start at: 2018-07-17 22:59:16
End at: 2018-07-17 22:59:46
Local clock offset: -0.858 ms
Remote clock offset: -2.377 ms

Below is generated by plot.py at 2018-07-18 01:38:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 132.23 Mbit/s
95th percentile per-packet one-way delay: 98.059 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 132.23 Mbit/s
95th percentile per-packet one-way delay: 98.059 ms
Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link

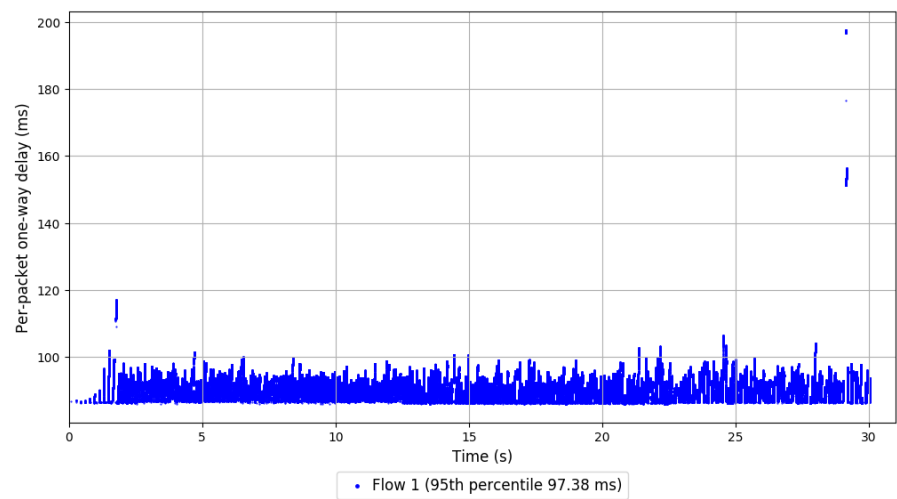
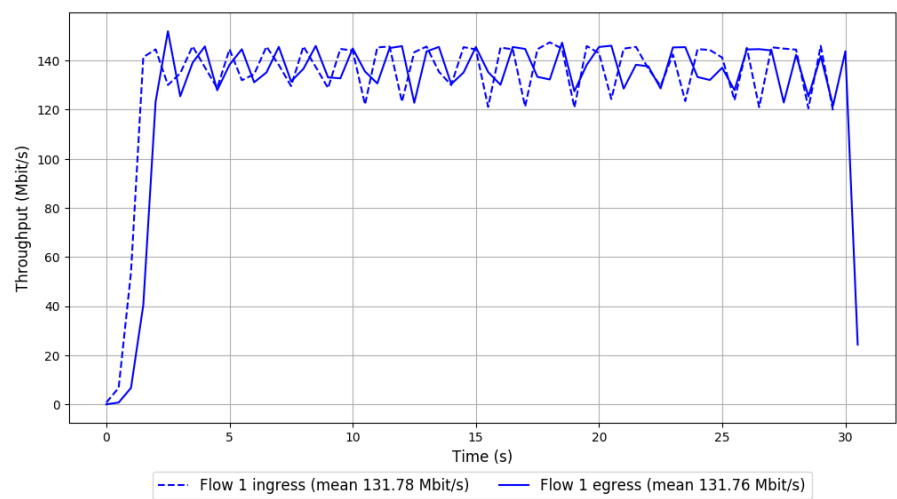


Run 6: Statistics of TCP Cubic

Start at: 2018-07-17 23:21:53
End at: 2018-07-17 23:22:23
Local clock offset: -0.291 ms
Remote clock offset: -1.136 ms

Below is generated by plot.py at 2018-07-18 01:38:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 131.76 Mbit/s
95th percentile per-packet one-way delay: 97.382 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 131.76 Mbit/s
95th percentile per-packet one-way delay: 97.382 ms
Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link

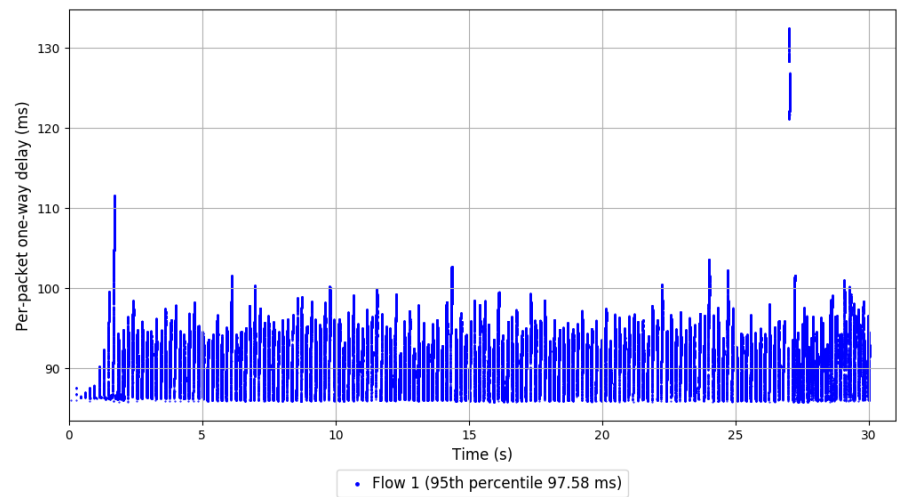
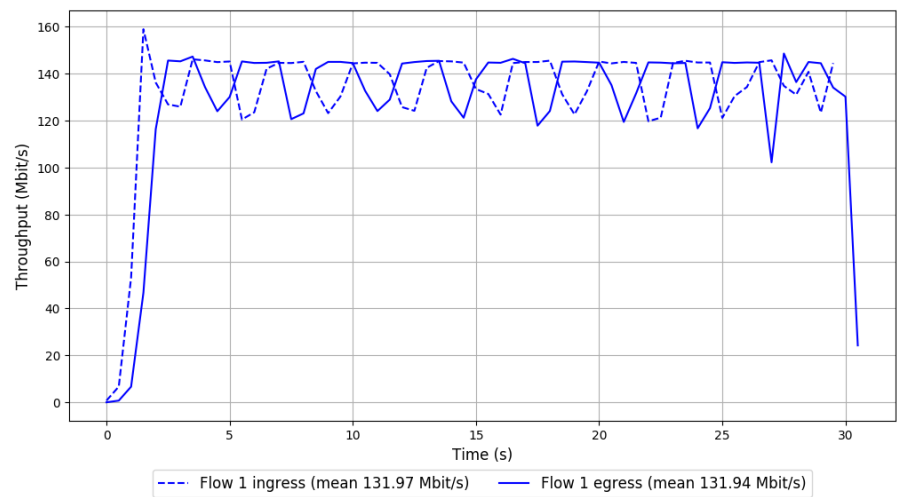


Run 7: Statistics of TCP Cubic

Start at: 2018-07-17 23:44:30
End at: 2018-07-17 23:45:00
Local clock offset: -0.014 ms
Remote clock offset: -1.029 ms

Below is generated by plot.py at 2018-07-18 01:38:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 131.94 Mbit/s
95th percentile per-packet one-way delay: 97.584 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 131.94 Mbit/s
95th percentile per-packet one-way delay: 97.584 ms
Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link

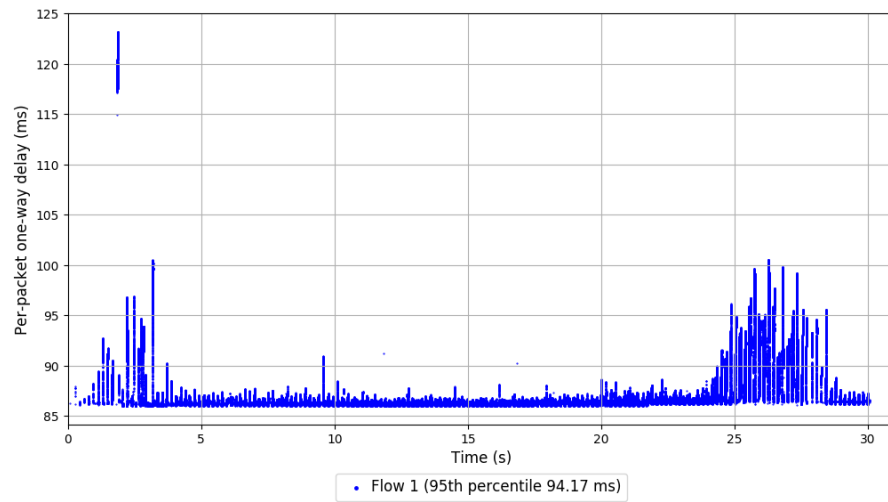
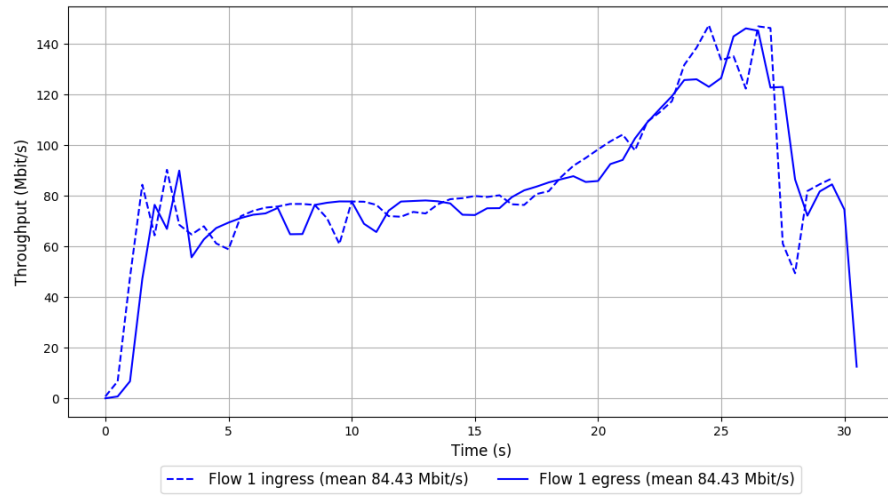


Run 8: Statistics of TCP Cubic

Start at: 2018-07-18 00:06:54
End at: 2018-07-18 00:07:24
Local clock offset: -0.186 ms
Remote clock offset: -0.331 ms

Below is generated by plot.py at 2018-07-18 01:38:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.43 Mbit/s
95th percentile per-packet one-way delay: 94.174 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.43 Mbit/s
95th percentile per-packet one-way delay: 94.174 ms
Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link

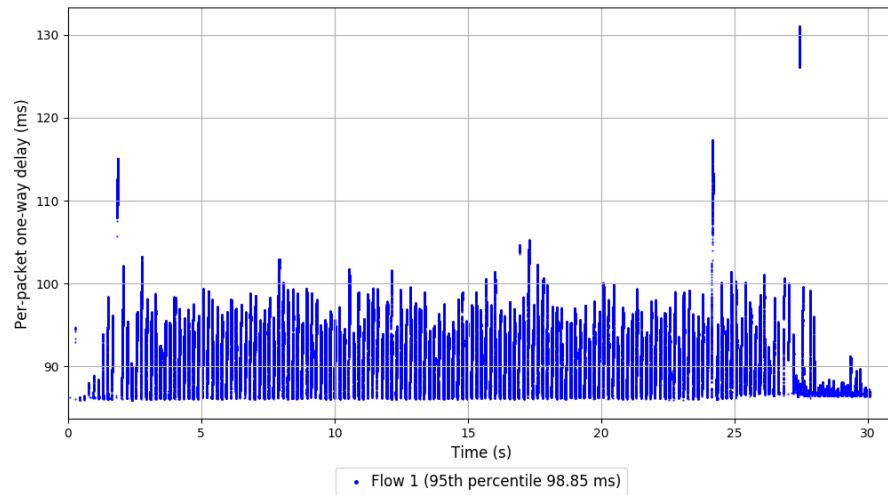
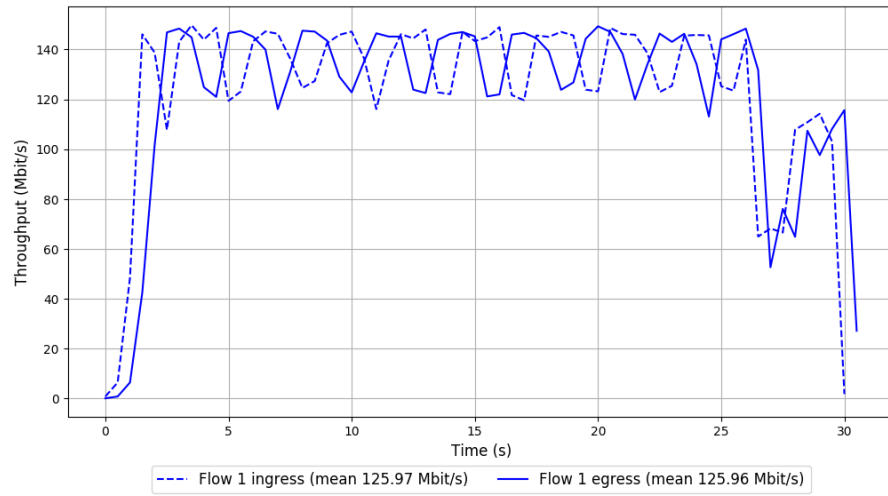


Run 9: Statistics of TCP Cubic

Start at: 2018-07-18 00:29:20
End at: 2018-07-18 00:29:50
Local clock offset: -0.157 ms
Remote clock offset: -0.111 ms

Below is generated by plot.py at 2018-07-18 01:38:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 125.96 Mbit/s
95th percentile per-packet one-way delay: 98.850 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 125.96 Mbit/s
95th percentile per-packet one-way delay: 98.850 ms
Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link

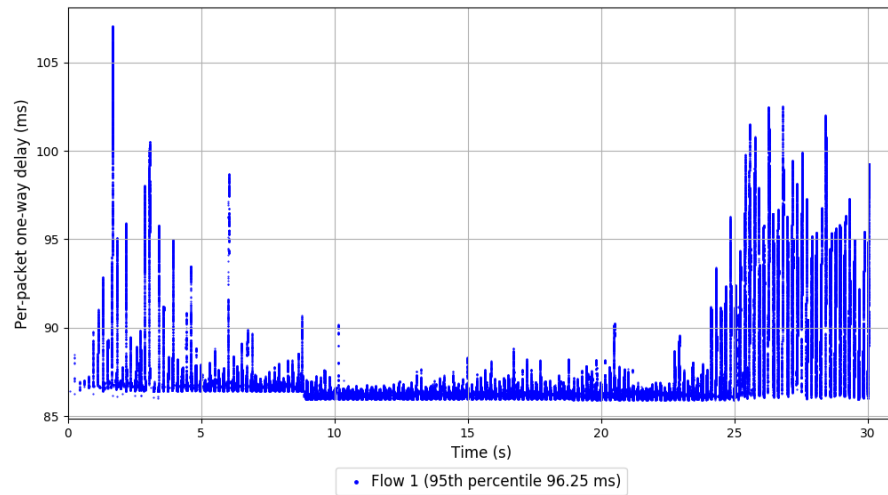
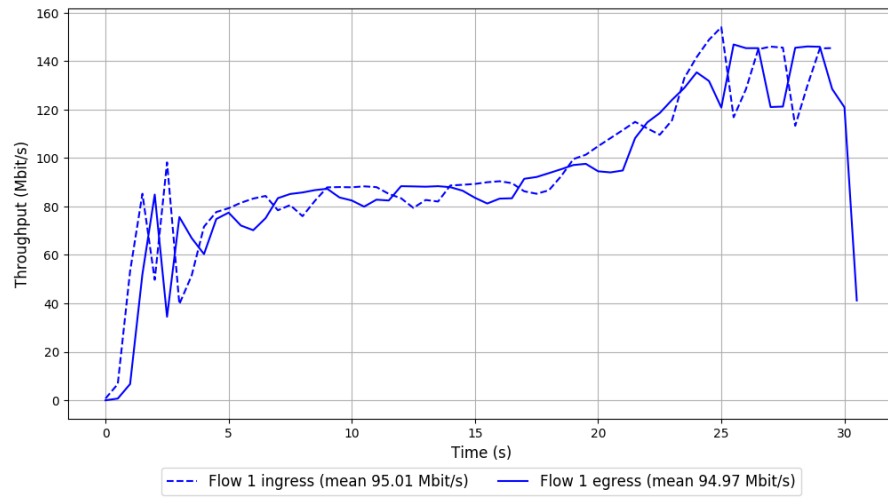


Run 10: Statistics of TCP Cubic

Start at: 2018-07-18 00:51:57
End at: 2018-07-18 00:52:27
Local clock offset: -0.214 ms
Remote clock offset: -0.132 ms

Below is generated by plot.py at 2018-07-18 01:38:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.97 Mbit/s
95th percentile per-packet one-way delay: 96.247 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 94.97 Mbit/s
95th percentile per-packet one-way delay: 96.247 ms
Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

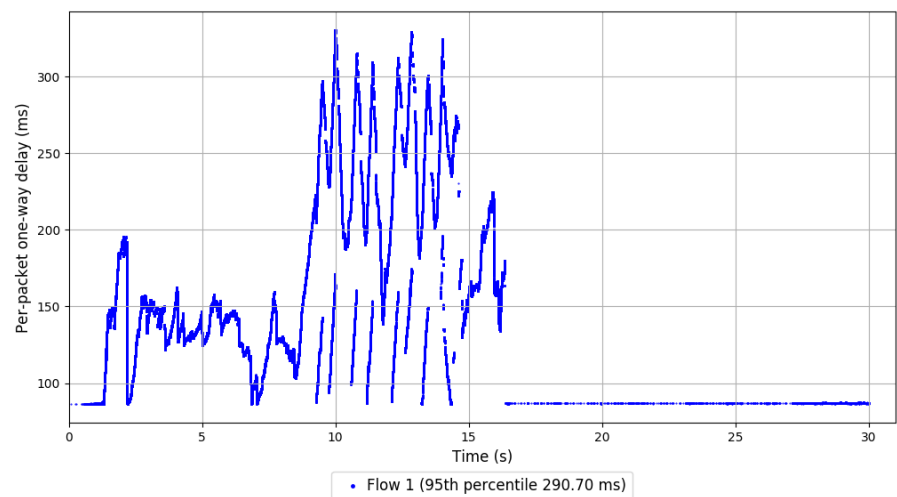
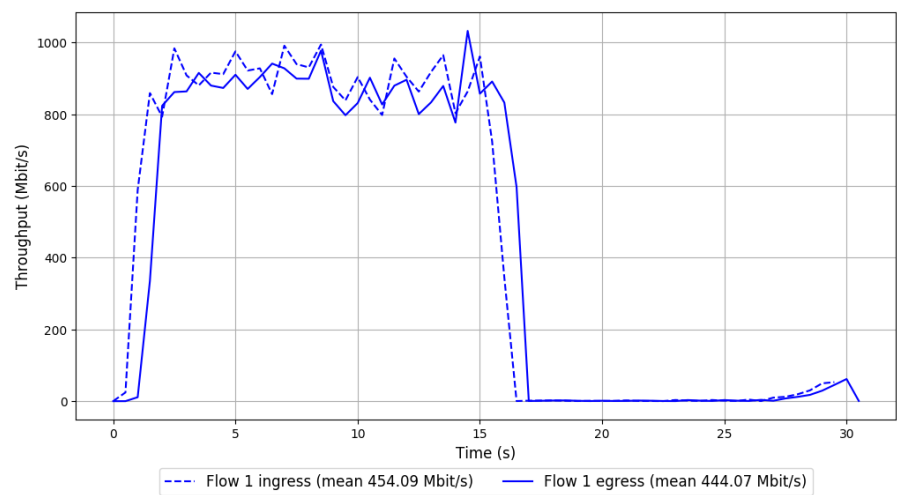


Run 1: Statistics of FillP

Start at: 2018-07-17 21:38:00
End at: 2018-07-17 21:38:30
Local clock offset: -0.517 ms
Remote clock offset: -1.552 ms

Below is generated by plot.py at 2018-07-18 01:43:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 444.07 Mbit/s
95th percentile per-packet one-way delay: 290.702 ms
Loss rate: 2.21%
-- Flow 1:
Average throughput: 444.07 Mbit/s
95th percentile per-packet one-way delay: 290.702 ms
Loss rate: 2.21%

Run 1: Report of FillP — Data Link

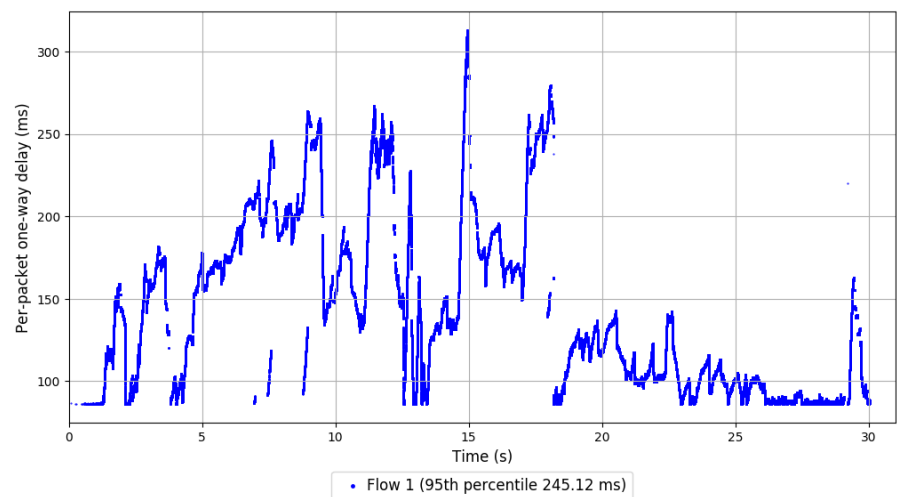
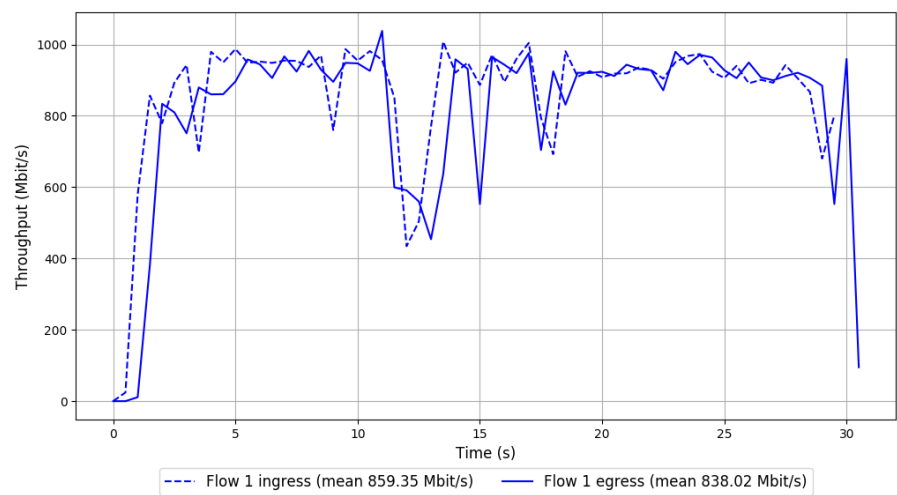


Run 2: Statistics of FillP

Start at: 2018-07-17 22:00:18
End at: 2018-07-17 22:00:48
Local clock offset: -0.497 ms
Remote clock offset: -3.601 ms

Below is generated by plot.py at 2018-07-18 01:53:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 838.02 Mbit/s
95th percentile per-packet one-way delay: 245.118 ms
Loss rate: 2.48%
-- Flow 1:
Average throughput: 838.02 Mbit/s
95th percentile per-packet one-way delay: 245.118 ms
Loss rate: 2.48%

Run 2: Report of FillP — Data Link

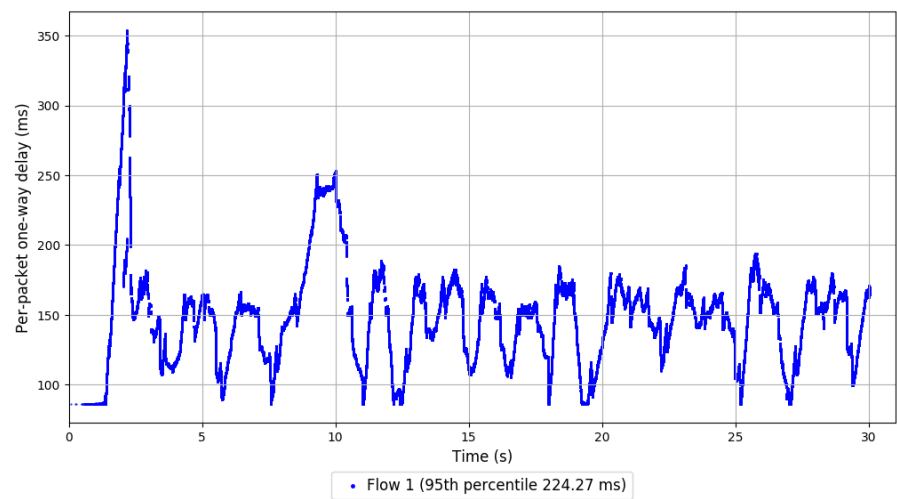
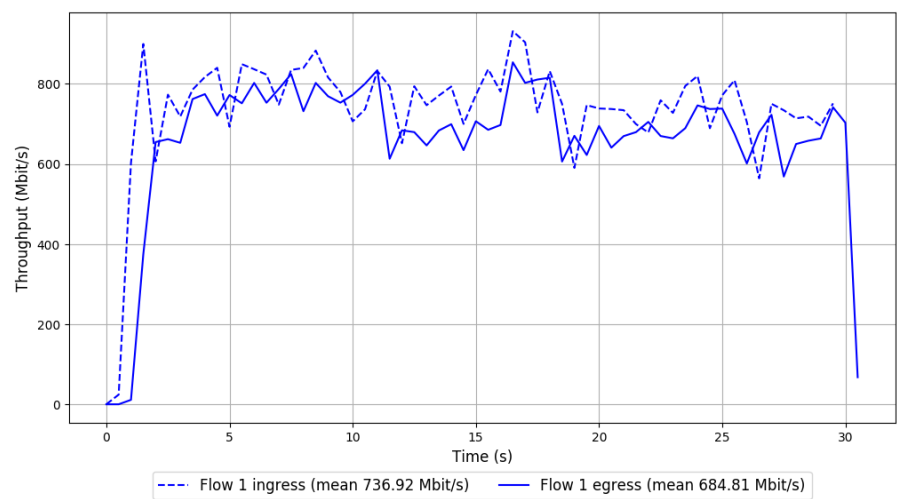


Run 3: Statistics of FillP

Start at: 2018-07-17 22:23:06
End at: 2018-07-17 22:23:37
Local clock offset: -0.724 ms
Remote clock offset: -4.235 ms

Below is generated by plot.py at 2018-07-18 01:53:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 684.81 Mbit/s
95th percentile per-packet one-way delay: 224.273 ms
Loss rate: 7.06%
-- Flow 1:
Average throughput: 684.81 Mbit/s
95th percentile per-packet one-way delay: 224.273 ms
Loss rate: 7.06%

Run 3: Report of FillP — Data Link

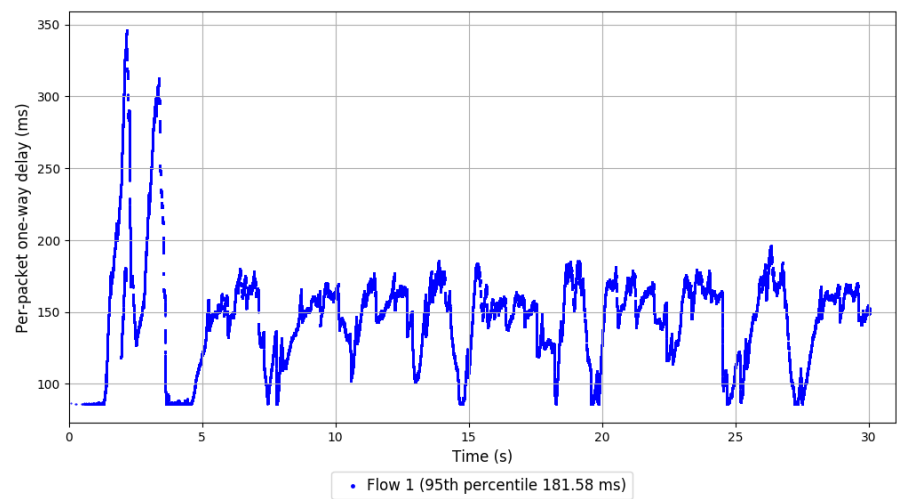
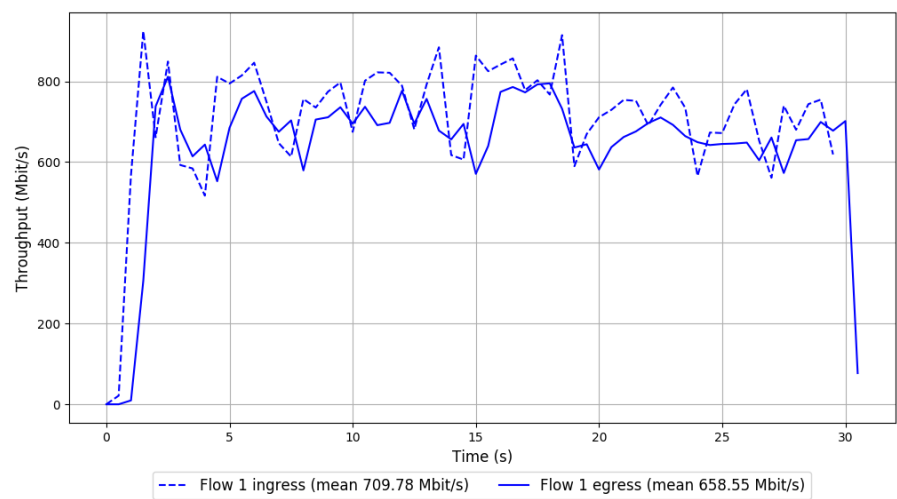


Run 4: Statistics of FillP

Start at: 2018-07-17 22:45:38
End at: 2018-07-17 22:46:08
Local clock offset: -0.917 ms
Remote clock offset: -2.374 ms

Below is generated by plot.py at 2018-07-18 01:53:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 658.55 Mbit/s
95th percentile per-packet one-way delay: 181.582 ms
Loss rate: 7.21%
-- Flow 1:
Average throughput: 658.55 Mbit/s
95th percentile per-packet one-way delay: 181.582 ms
Loss rate: 7.21%

Run 4: Report of FillP — Data Link

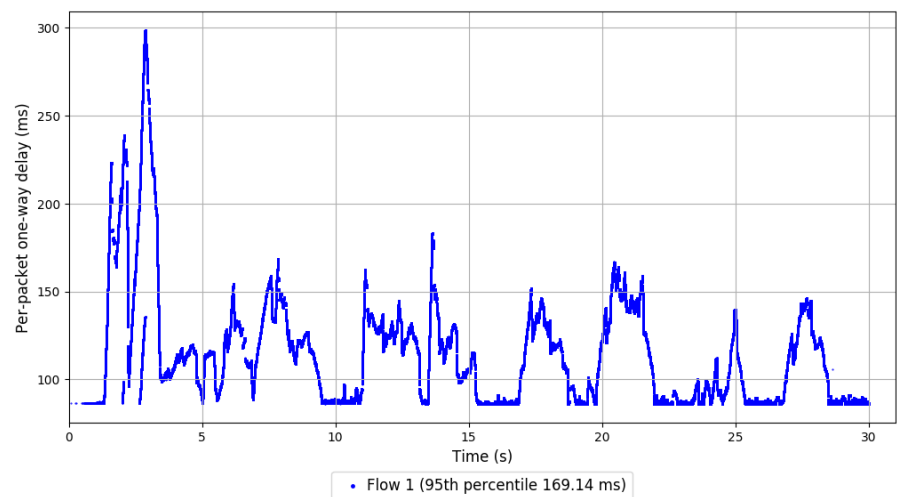
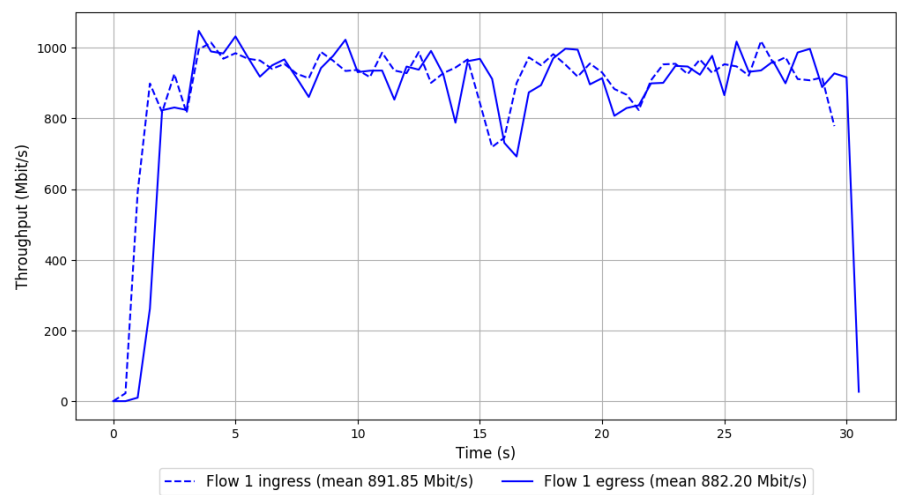


Run 5: Statistics of FillP

Start at: 2018-07-17 23:08:02
End at: 2018-07-17 23:08:32
Local clock offset: -0.584 ms
Remote clock offset: -2.751 ms

Below is generated by plot.py at 2018-07-18 01:55:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 882.20 Mbit/s
95th percentile per-packet one-way delay: 169.143 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 882.20 Mbit/s
95th percentile per-packet one-way delay: 169.143 ms
Loss rate: 1.08%

Run 5: Report of FillP — Data Link

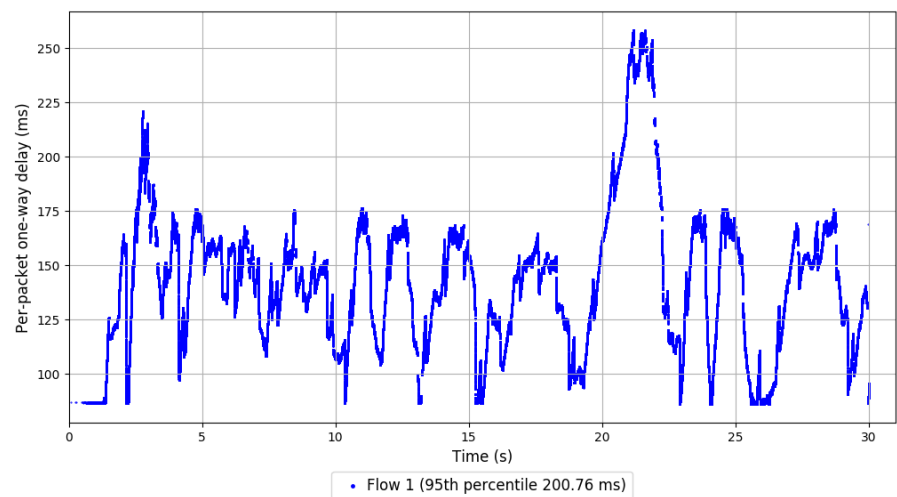
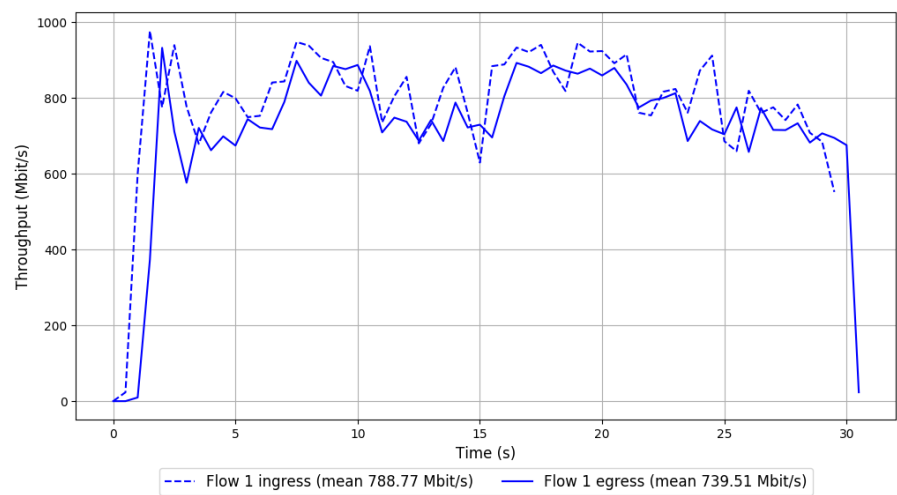


Run 6: Statistics of FillP

Start at: 2018-07-17 23:30:46
End at: 2018-07-17 23:31:16
Local clock offset: -0.354 ms
Remote clock offset: -1.108 ms

Below is generated by plot.py at 2018-07-18 01:55:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 739.51 Mbit/s
95th percentile per-packet one-way delay: 200.758 ms
Loss rate: 6.25%
-- Flow 1:
Average throughput: 739.51 Mbit/s
95th percentile per-packet one-way delay: 200.758 ms
Loss rate: 6.25%

Run 6: Report of FillP — Data Link

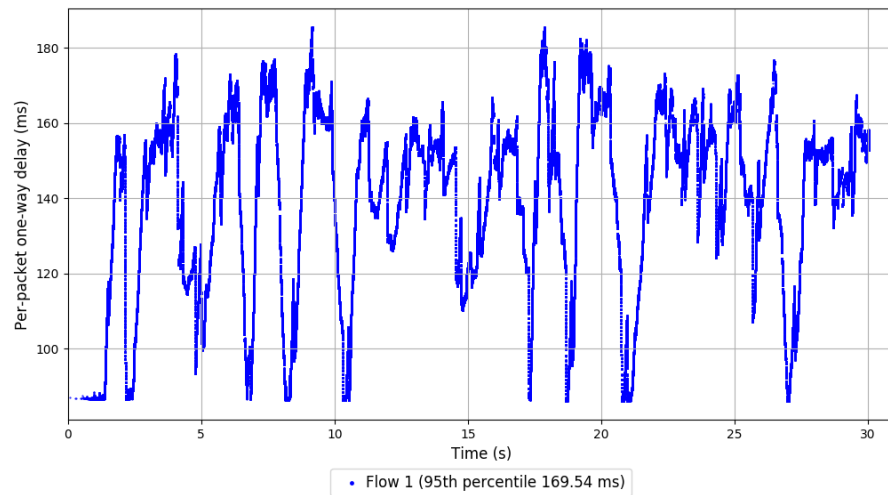
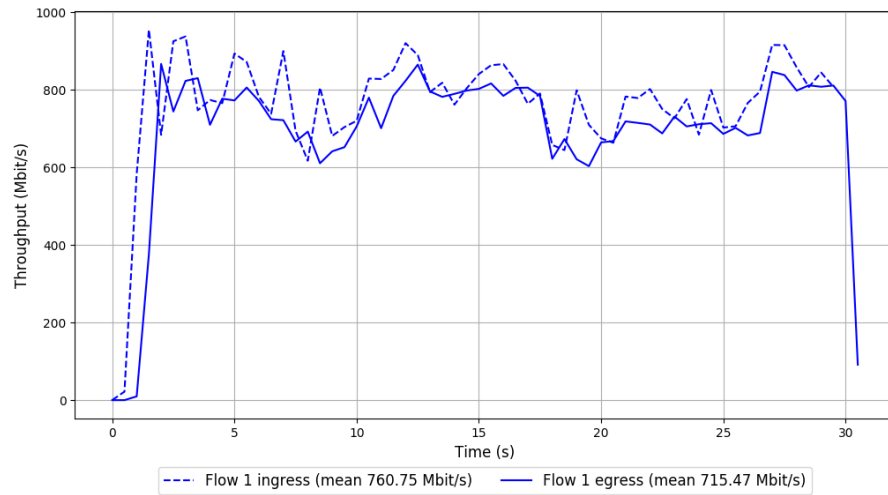


Run 7: Statistics of FillP

Start at: 2018-07-17 23:53:17
End at: 2018-07-17 23:53:47
Local clock offset: -0.278 ms
Remote clock offset: -0.503 ms

Below is generated by plot.py at 2018-07-18 01:55:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 715.47 Mbit/s
95th percentile per-packet one-way delay: 169.543 ms
Loss rate: 5.95%
-- Flow 1:
Average throughput: 715.47 Mbit/s
95th percentile per-packet one-way delay: 169.543 ms
Loss rate: 5.95%

Run 7: Report of FillP — Data Link

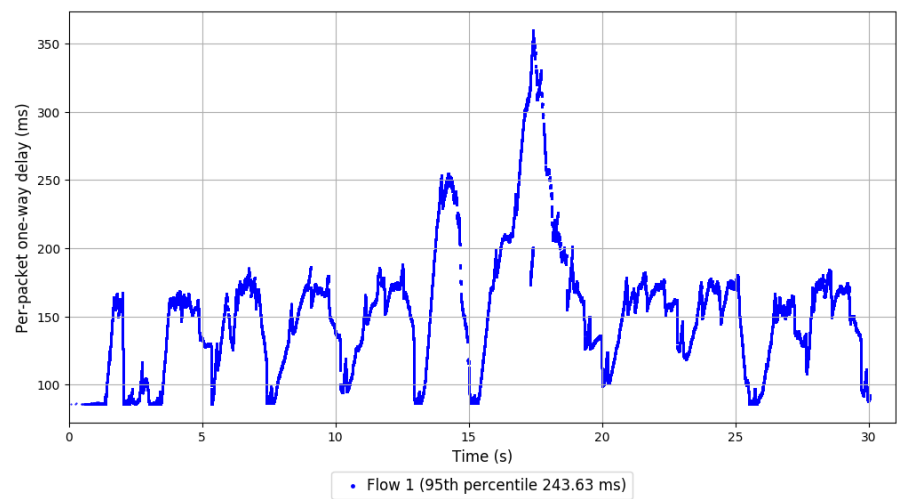
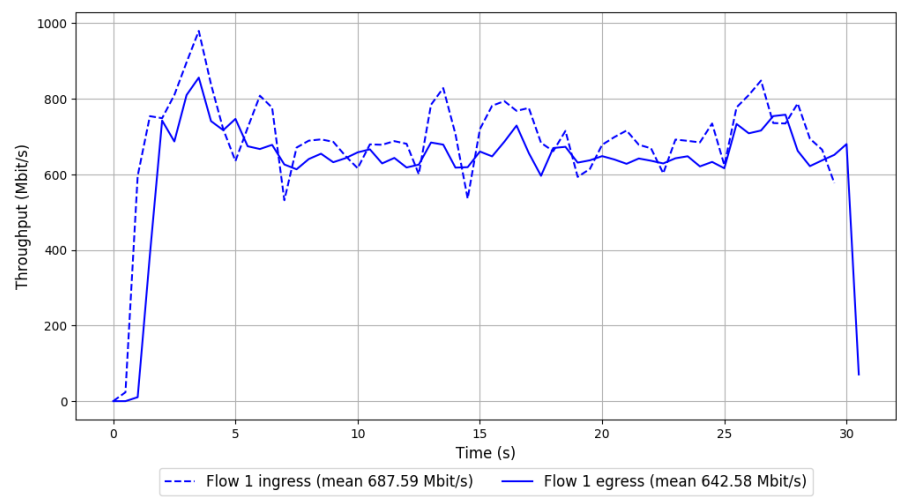


Run 8: Statistics of FillP

Start at: 2018-07-18 00:15:38
End at: 2018-07-18 00:16:08
Local clock offset: -0.108 ms
Remote clock offset: -0.367 ms

Below is generated by plot.py at 2018-07-18 01:55:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 642.58 Mbit/s
95th percentile per-packet one-way delay: 243.634 ms
Loss rate: 6.54%
-- Flow 1:
Average throughput: 642.58 Mbit/s
95th percentile per-packet one-way delay: 243.634 ms
Loss rate: 6.54%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-07-18 00:38:10

End at: 2018-07-18 00:38:40

Local clock offset: -0.317 ms

Remote clock offset: -0.12 ms

Below is generated by plot.py at 2018-07-18 02:02:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 718.85 Mbit/s

95th percentile per-packet one-way delay: 173.445 ms

Loss rate: 5.20%

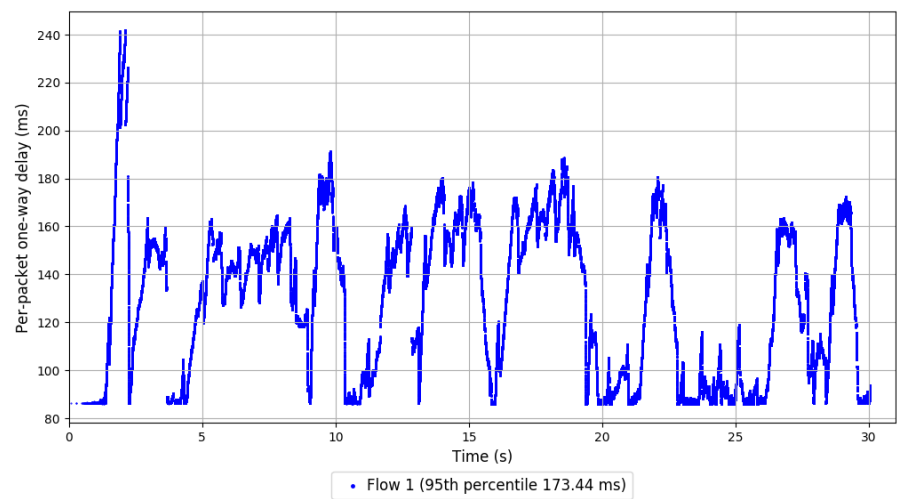
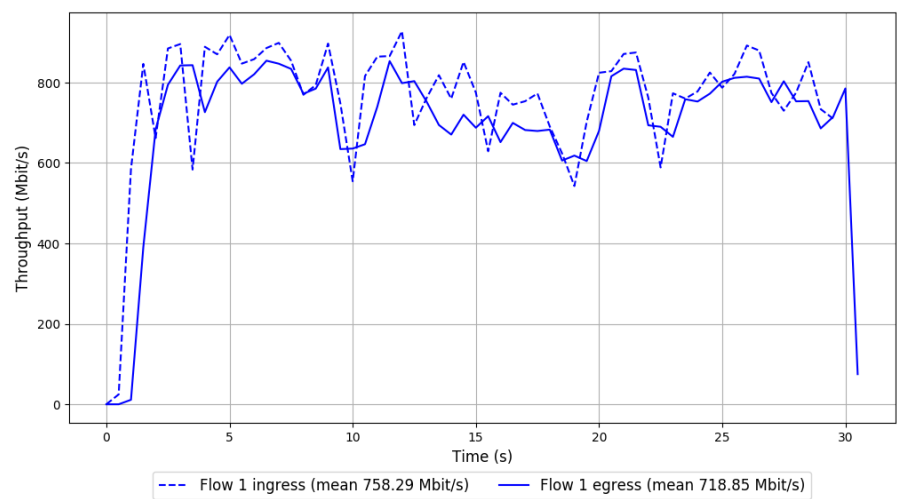
-- Flow 1:

Average throughput: 718.85 Mbit/s

95th percentile per-packet one-way delay: 173.445 ms

Loss rate: 5.20%

Run 9: Report of FillP — Data Link

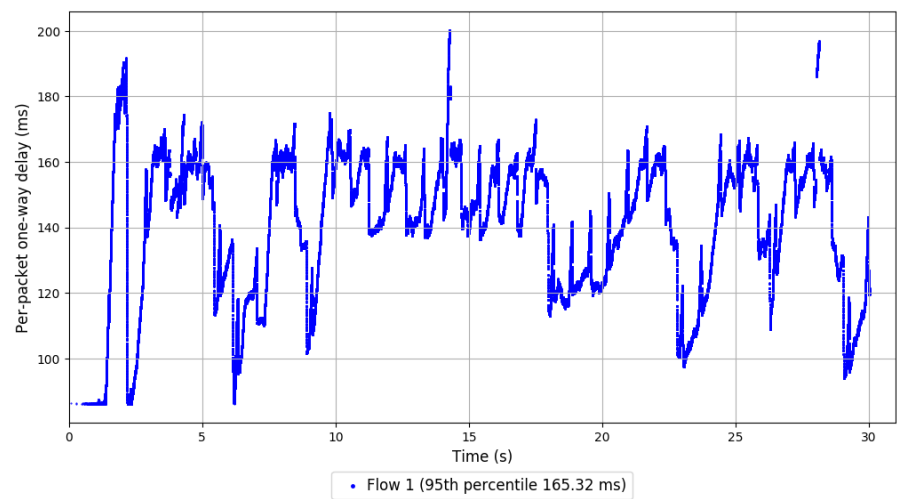
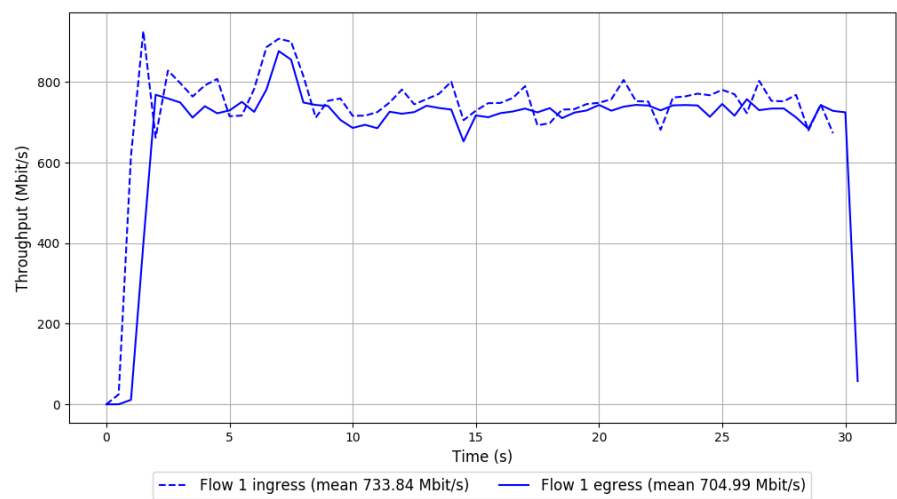


Run 10: Statistics of FillP

Start at: 2018-07-18 01:00:49
End at: 2018-07-18 01:01:19
Local clock offset: -0.238 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-07-18 02:06:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 704.99 Mbit/s
95th percentile per-packet one-way delay: 165.317 ms
Loss rate: 3.93%
-- Flow 1:
Average throughput: 704.99 Mbit/s
95th percentile per-packet one-way delay: 165.317 ms
Loss rate: 3.93%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-17 21:40:40

End at: 2018-07-17 21:41:10

Local clock offset: -0.319 ms

Remote clock offset: -2.13 ms

Below is generated by plot.py at 2018-07-18 02:06:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 682.99 Mbit/s

95th percentile per-packet one-way delay: 162.292 ms

Loss rate: 1.96%

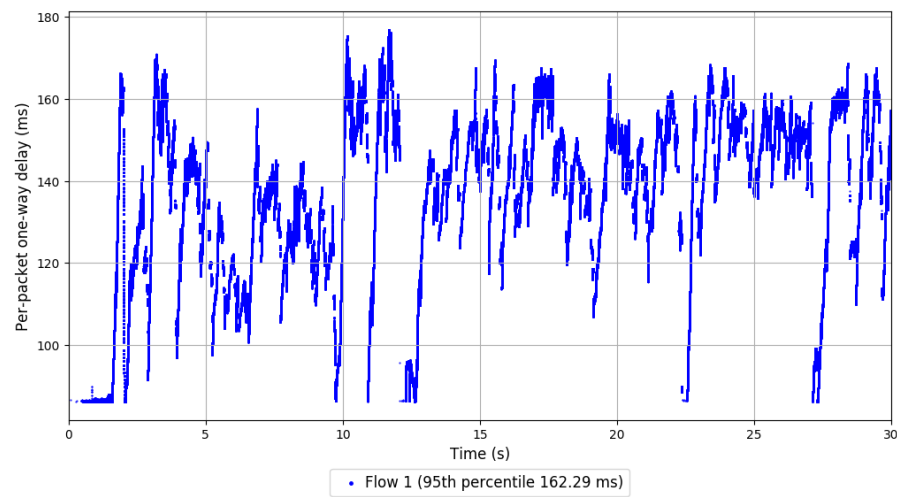
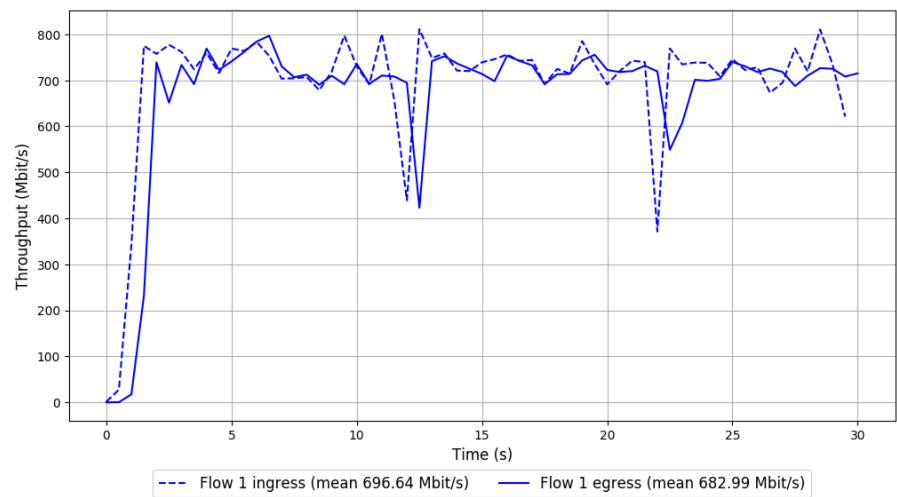
-- Flow 1:

Average throughput: 682.99 Mbit/s

95th percentile per-packet one-way delay: 162.292 ms

Loss rate: 1.96%

Run 1: Report of FillP-Sheep — Data Link

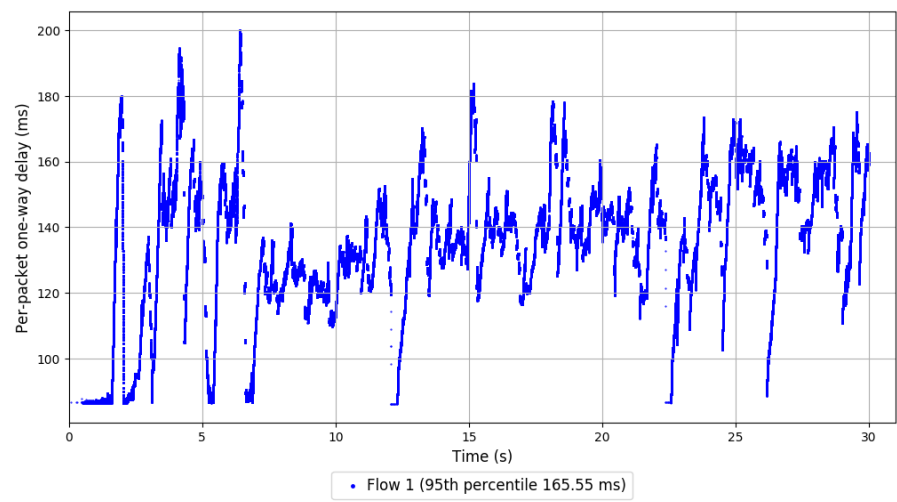
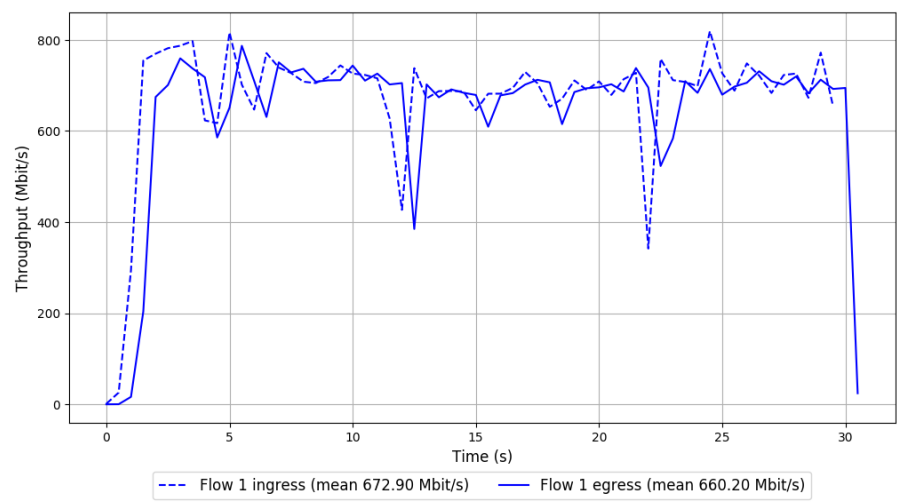


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-17 22:03:15
End at: 2018-07-17 22:03:45
Local clock offset: -0.539 ms
Remote clock offset: -3.098 ms

Below is generated by plot.py at 2018-07-18 02:06:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 660.20 Mbit/s
95th percentile per-packet one-way delay: 165.549 ms
Loss rate: 1.87%
-- Flow 1:
Average throughput: 660.20 Mbit/s
95th percentile per-packet one-way delay: 165.549 ms
Loss rate: 1.87%

Run 2: Report of FillP-Sheep — Data Link

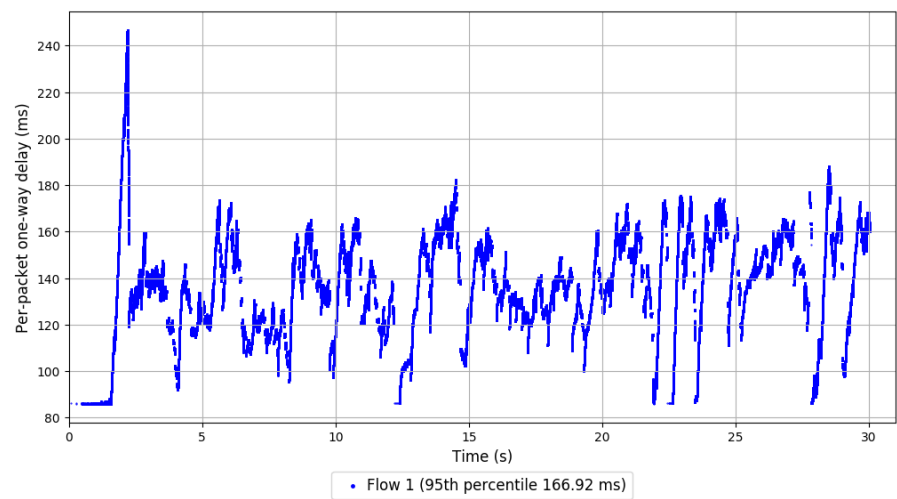
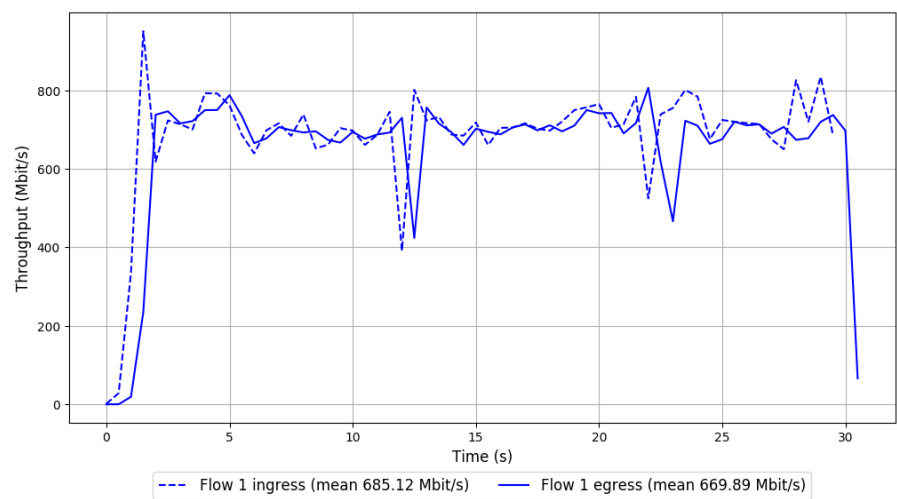


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-17 22:25:57
End at: 2018-07-17 22:26:27
Local clock offset: -0.589 ms
Remote clock offset: -4.605 ms

Below is generated by plot.py at 2018-07-18 02:07:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 669.89 Mbit/s
95th percentile per-packet one-way delay: 166.924 ms
Loss rate: 2.22%
-- Flow 1:
Average throughput: 669.89 Mbit/s
95th percentile per-packet one-way delay: 166.924 ms
Loss rate: 2.22%

Run 3: Report of FillP-Sheep — Data Link

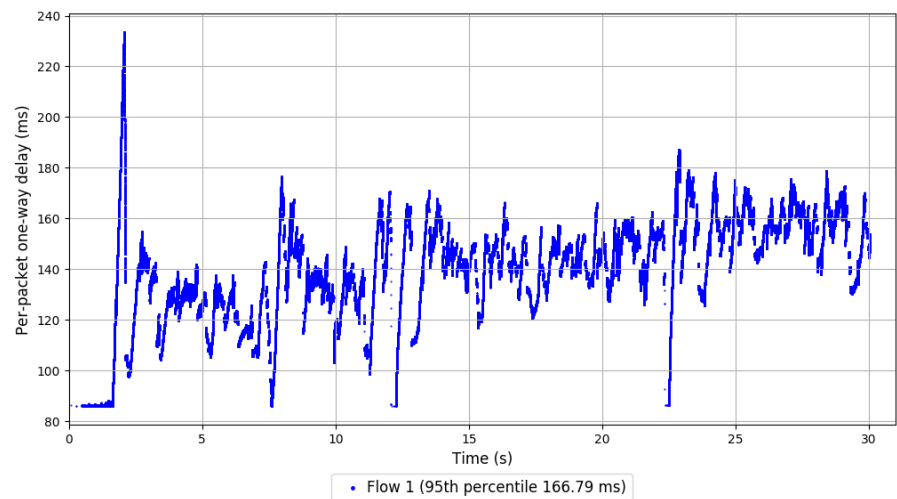
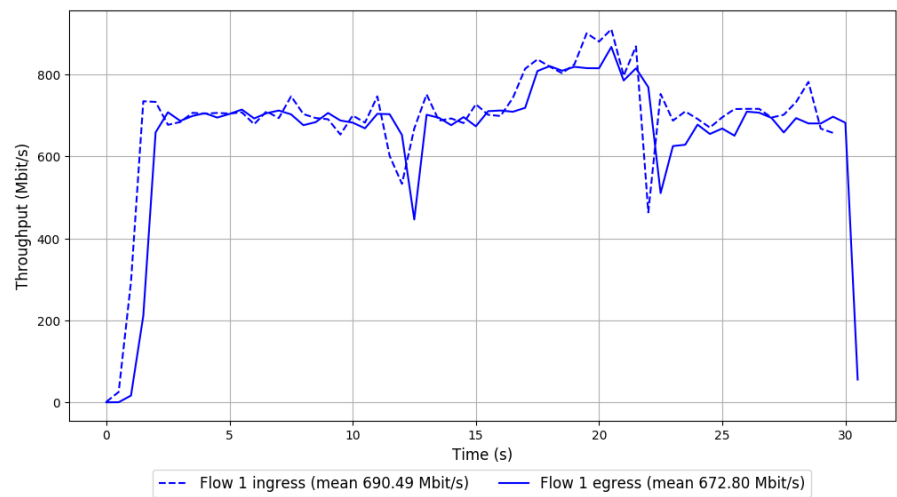


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-17 22:48:28
End at: 2018-07-17 22:48:58
Local clock offset: -0.916 ms
Remote clock offset: -2.204 ms

Below is generated by plot.py at 2018-07-18 02:07:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 672.80 Mbit/s
95th percentile per-packet one-way delay: 166.790 ms
Loss rate: 2.57%
-- Flow 1:
Average throughput: 672.80 Mbit/s
95th percentile per-packet one-way delay: 166.790 ms
Loss rate: 2.57%

Run 4: Report of FillP-Sheep — Data Link

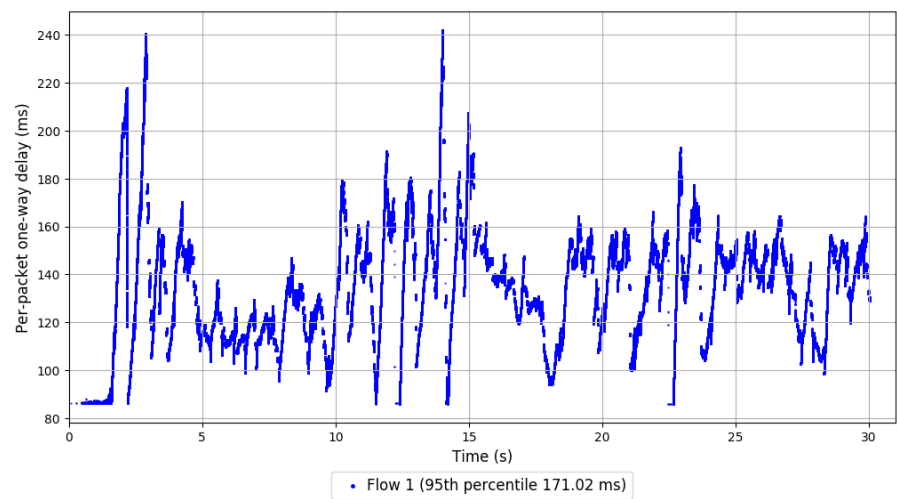
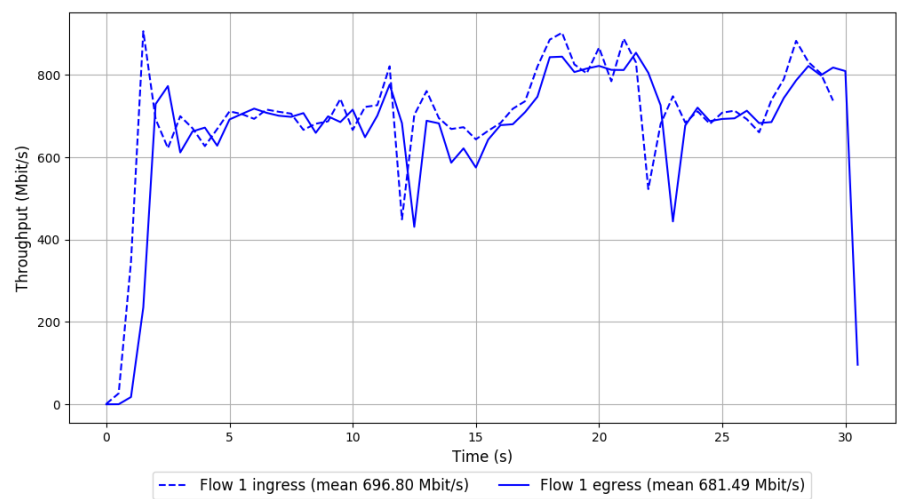


Run 5: Statistics of FillP-Sheep

Start at: 2018-07-17 23:11:00
End at: 2018-07-17 23:11:30
Local clock offset: -0.276 ms
Remote clock offset: -2.095 ms

Below is generated by plot.py at 2018-07-18 02:08:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 681.49 Mbit/s
95th percentile per-packet one-way delay: 171.019 ms
Loss rate: 2.20%
-- Flow 1:
Average throughput: 681.49 Mbit/s
95th percentile per-packet one-way delay: 171.019 ms
Loss rate: 2.20%

Run 5: Report of FillP-Sheep — Data Link

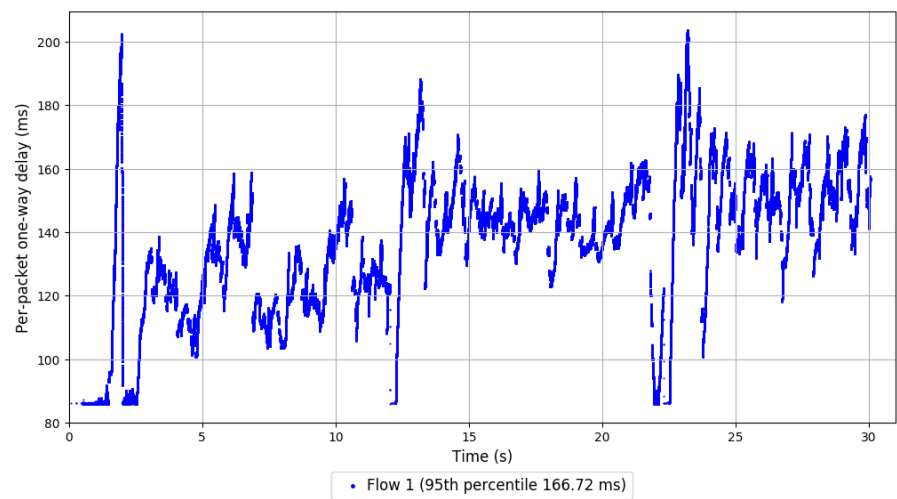
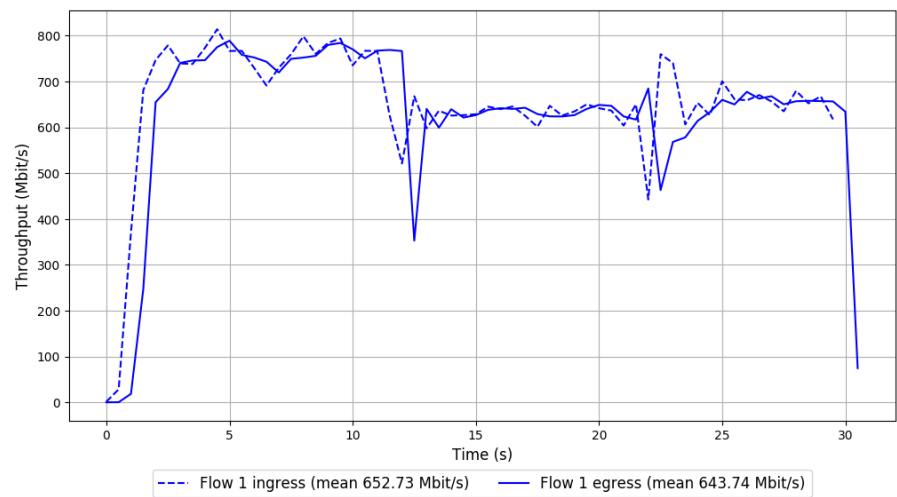


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-17 23:33:39
End at: 2018-07-17 23:34:09
Local clock offset: -0.112 ms
Remote clock offset: -1.225 ms

Below is generated by plot.py at 2018-07-18 02:10:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 643.74 Mbit/s
95th percentile per-packet one-way delay: 166.717 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 643.74 Mbit/s
95th percentile per-packet one-way delay: 166.717 ms
Loss rate: 1.37%

Run 6: Report of FillP-Sheep — Data Link

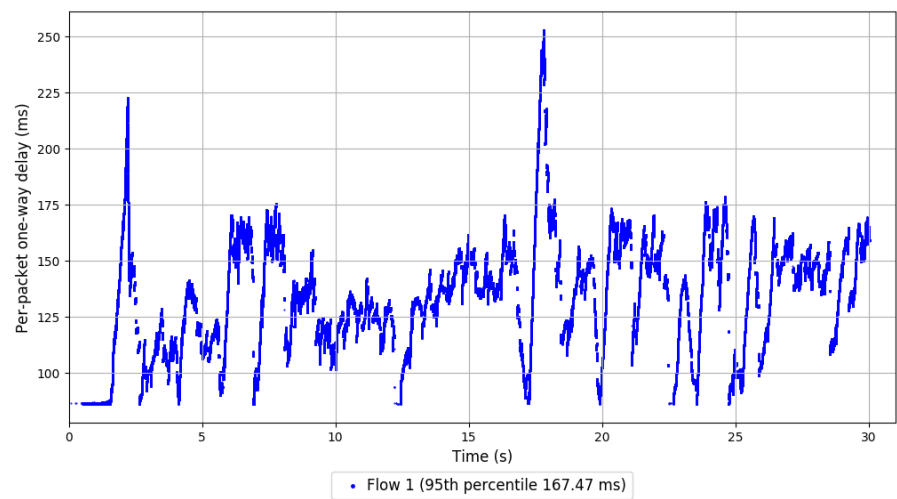
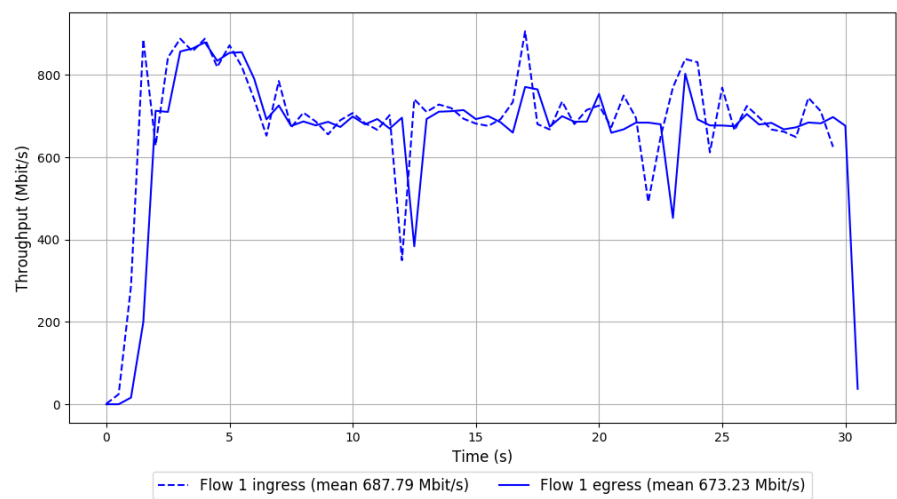


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-17 23:56:09
End at: 2018-07-17 23:56:39
Local clock offset: 0.014 ms
Remote clock offset: -0.413 ms

Below is generated by plot.py at 2018-07-18 02:18:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 673.23 Mbit/s
95th percentile per-packet one-way delay: 167.466 ms
Loss rate: 2.11%
-- Flow 1:
Average throughput: 673.23 Mbit/s
95th percentile per-packet one-way delay: 167.466 ms
Loss rate: 2.11%

Run 7: Report of FillP-Sheep — Data Link

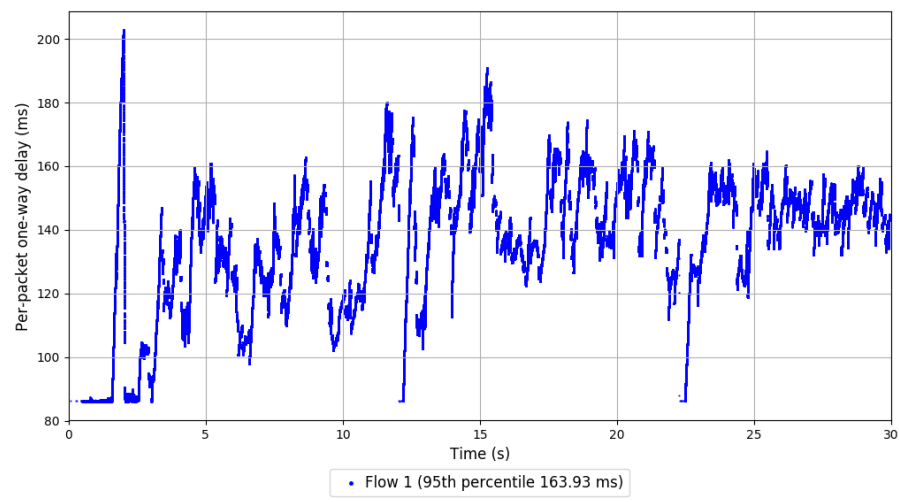
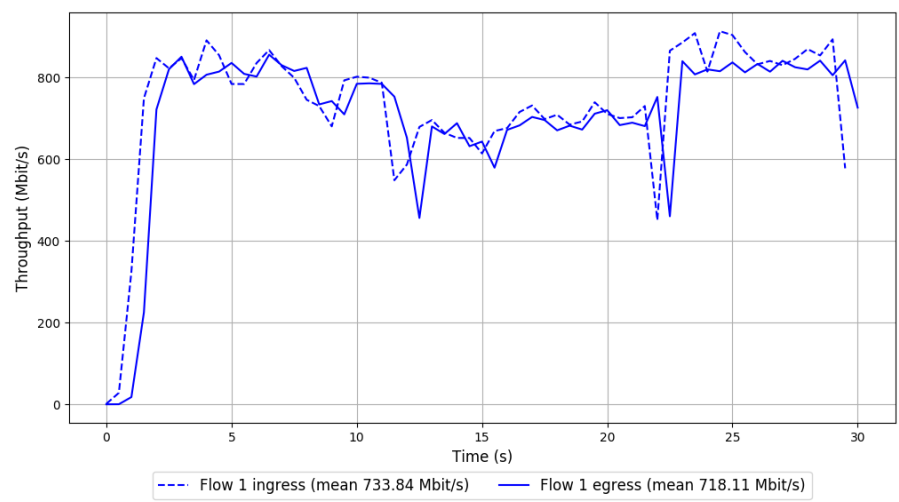


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-18 00:18:30
End at: 2018-07-18 00:19:00
Local clock offset: -0.107 ms
Remote clock offset: -0.337 ms

Below is generated by plot.py at 2018-07-18 02:21:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 718.11 Mbit/s
95th percentile per-packet one-way delay: 163.930 ms
Loss rate: 2.14%
-- Flow 1:
Average throughput: 718.11 Mbit/s
95th percentile per-packet one-way delay: 163.930 ms
Loss rate: 2.14%

Run 8: Report of FillP-Sheep — Data Link

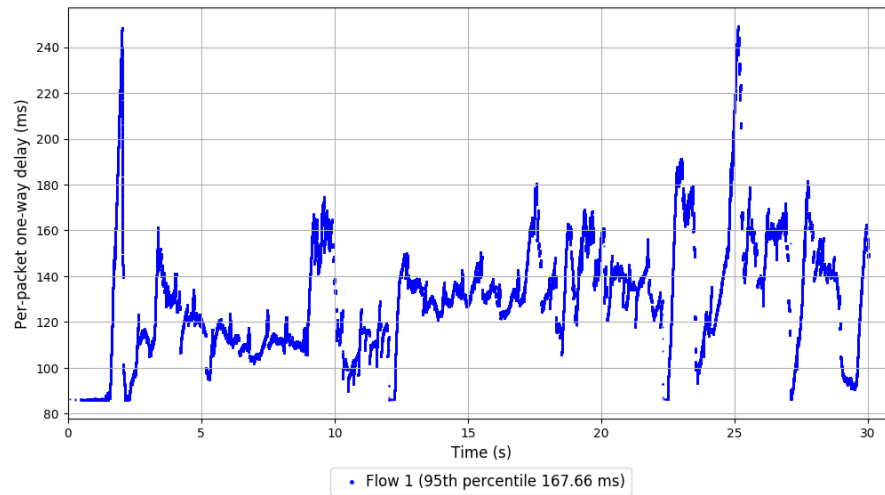
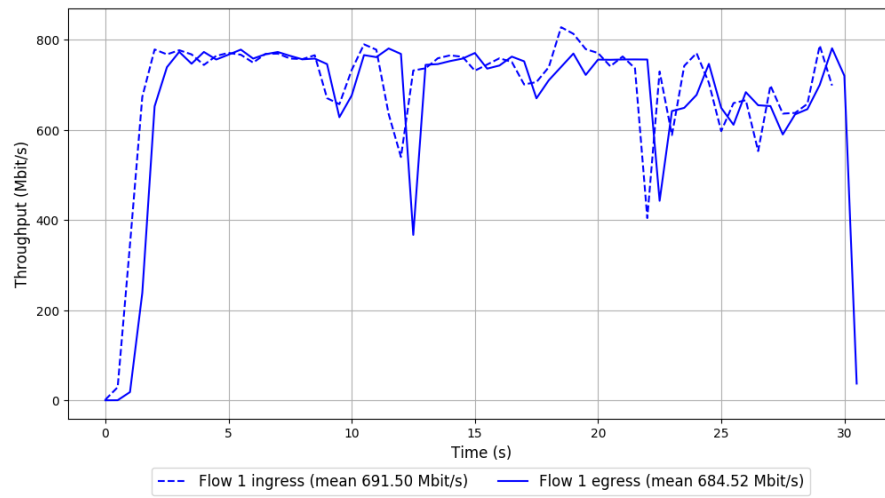


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-18 00:41:03
End at: 2018-07-18 00:41:33
Local clock offset: -0.164 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-07-18 02:21:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 684.52 Mbit/s
95th percentile per-packet one-way delay: 167.663 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 684.52 Mbit/s
95th percentile per-packet one-way delay: 167.663 ms
Loss rate: 1.01%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-18 01:03:42

End at: 2018-07-18 01:04:12

Local clock offset: -0.066 ms

Remote clock offset: -0.12 ms

Below is generated by plot.py at 2018-07-18 02:21:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 690.14 Mbit/s

95th percentile per-packet one-way delay: 164.382 ms

Loss rate: 1.69%

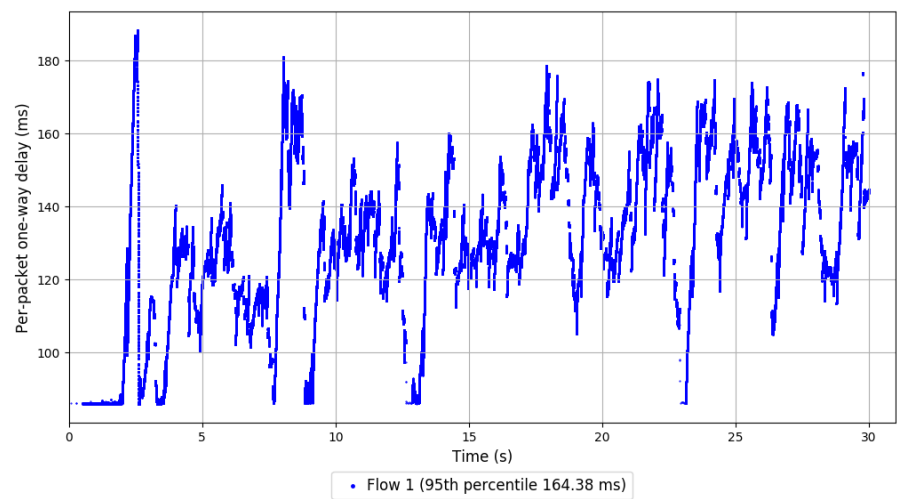
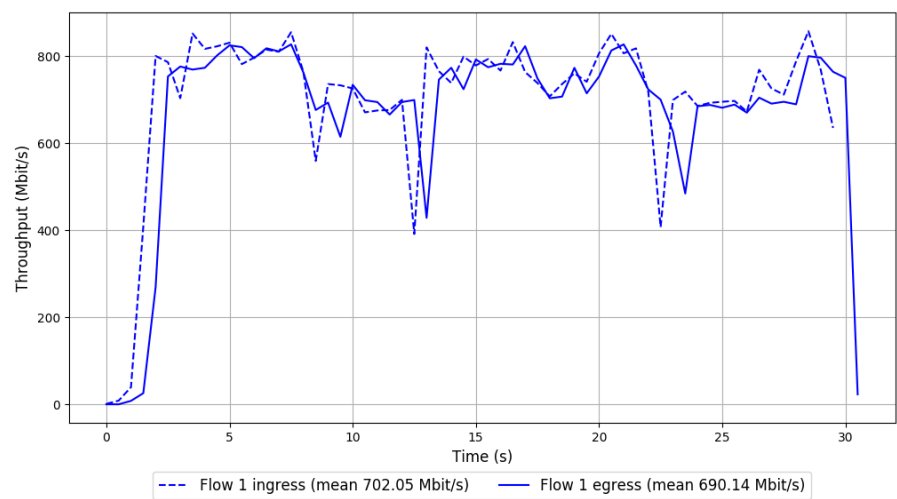
-- Flow 1:

Average throughput: 690.14 Mbit/s

95th percentile per-packet one-way delay: 164.382 ms

Loss rate: 1.69%

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

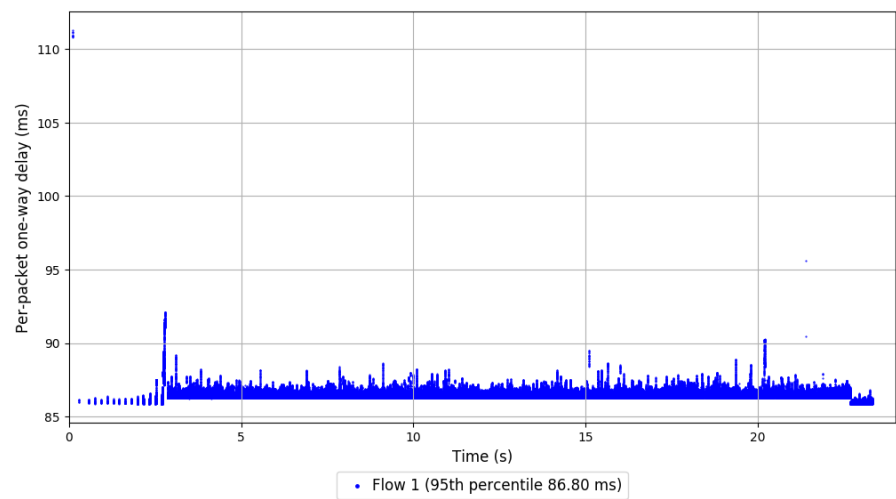
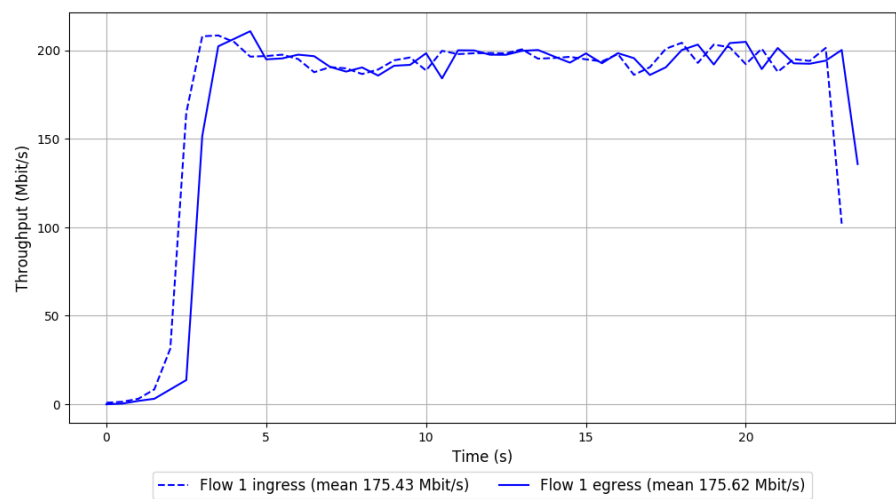
Start at: 2018-07-17 21:35:36

End at: 2018-07-17 21:36:06

Local clock offset: -0.369 ms

Remote clock offset: -1.325 ms

Run 1: Report of Indigo — Data Link

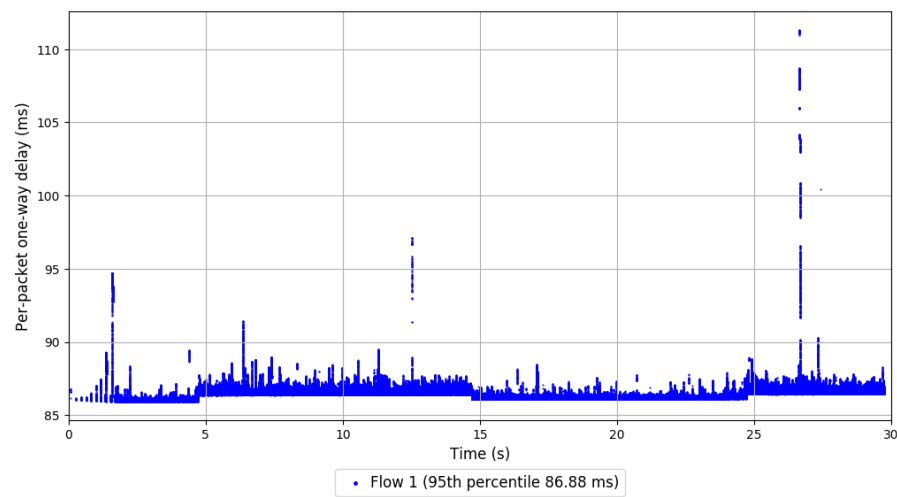
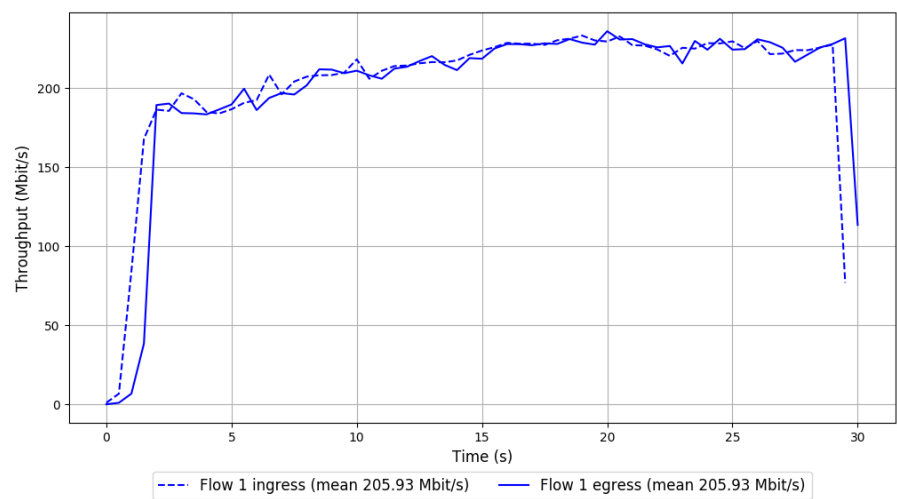


Run 2: Statistics of Indigo

Start at: 2018-07-17 21:57:50
End at: 2018-07-17 21:58:20
Local clock offset: -0.404 ms
Remote clock offset: -3.573 ms

Below is generated by plot.py at 2018-07-18 02:21:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 205.93 Mbit/s
95th percentile per-packet one-way delay: 86.880 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 205.93 Mbit/s
95th percentile per-packet one-way delay: 86.880 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

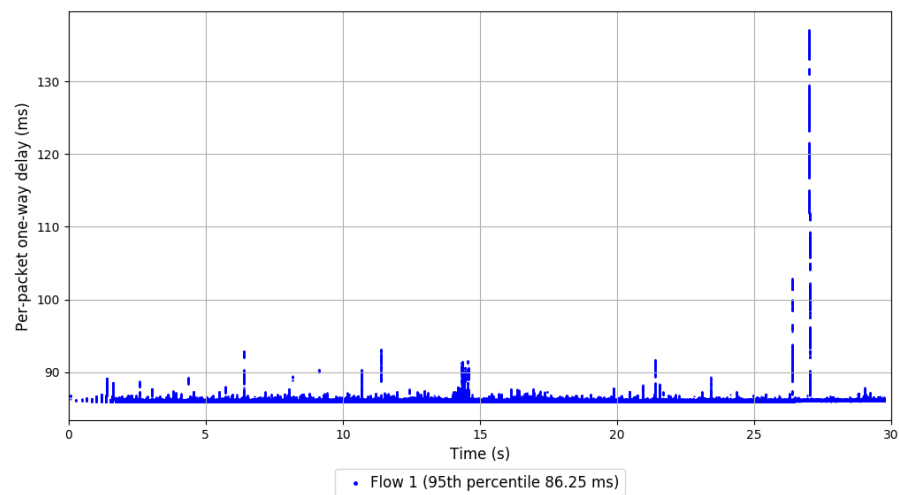
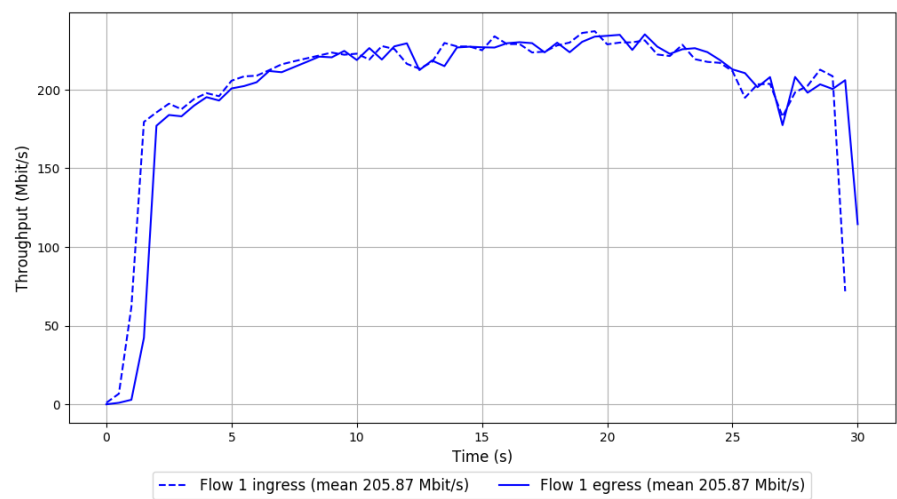


Run 3: Statistics of Indigo

Start at: 2018-07-17 22:20:39
End at: 2018-07-17 22:21:09
Local clock offset: -0.599 ms
Remote clock offset: -3.922 ms

Below is generated by plot.py at 2018-07-18 02:21:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 205.87 Mbit/s
95th percentile per-packet one-way delay: 86.246 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 205.87 Mbit/s
95th percentile per-packet one-way delay: 86.246 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-17 22:43:11

End at: 2018-07-17 22:43:41

Local clock offset: -0.981 ms

Remote clock offset: -2.64 ms

Below is generated by plot.py at 2018-07-18 02:21:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 203.70 Mbit/s

95th percentile per-packet one-way delay: 86.706 ms

Loss rate: 0.00%

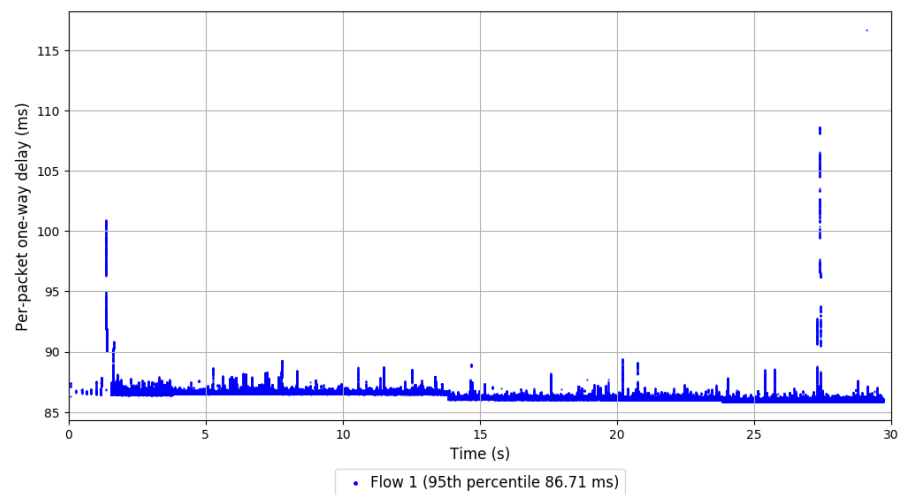
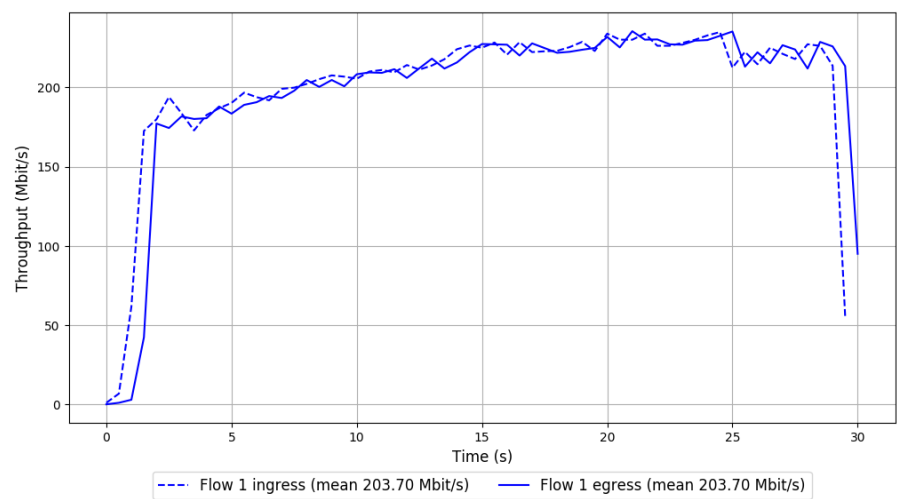
-- Flow 1:

Average throughput: 203.70 Mbit/s

95th percentile per-packet one-way delay: 86.706 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-17 23:05:34

End at: 2018-07-17 23:06:04

Local clock offset: -0.58 ms

Remote clock offset: -2.77 ms

Below is generated by plot.py at 2018-07-18 02:21:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.07 Mbit/s

95th percentile per-packet one-way delay: 86.429 ms

Loss rate: 0.00%

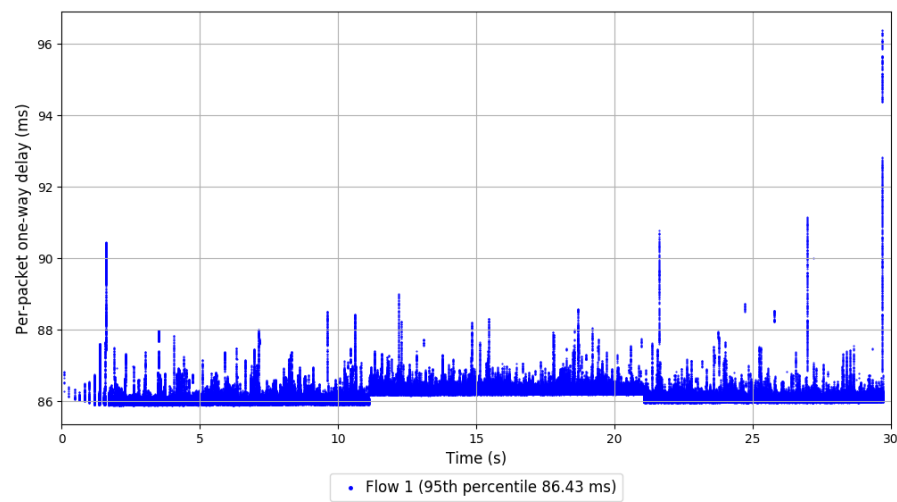
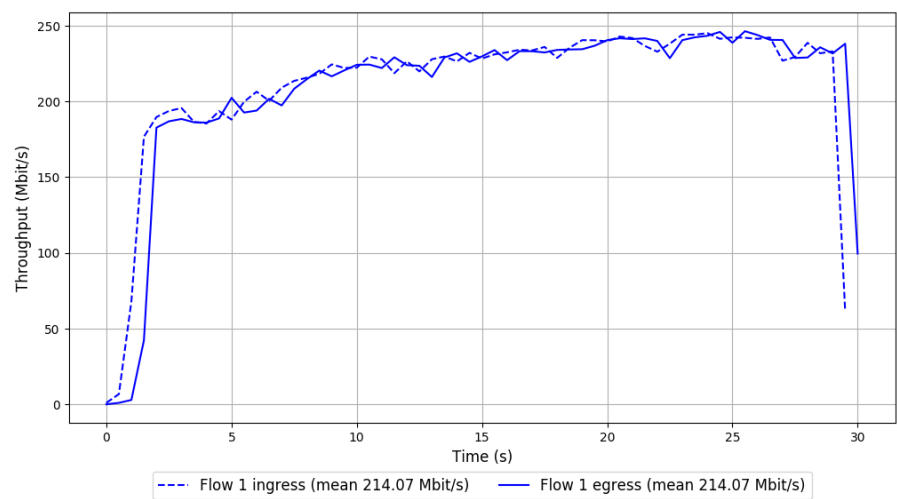
-- Flow 1:

Average throughput: 214.07 Mbit/s

95th percentile per-packet one-way delay: 86.429 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

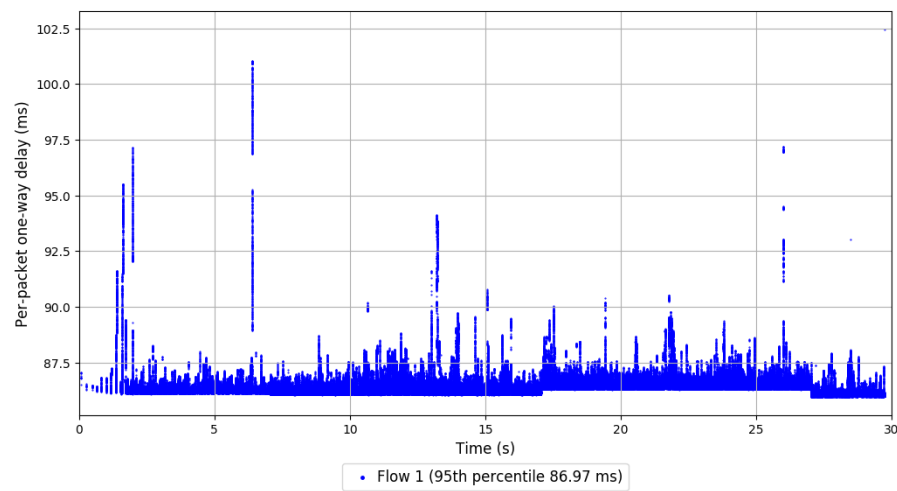
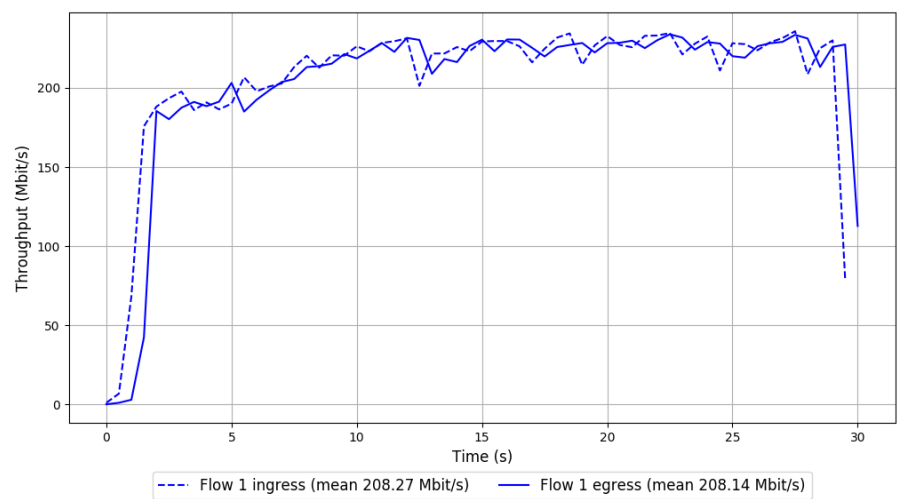


Run 6: Statistics of Indigo

Start at: 2018-07-17 23:28:18
End at: 2018-07-17 23:28:48
Local clock offset: -0.149 ms
Remote clock offset: -1.095 ms

Below is generated by plot.py at 2018-07-18 02:21:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 208.14 Mbit/s
95th percentile per-packet one-way delay: 86.965 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 208.14 Mbit/s
95th percentile per-packet one-way delay: 86.965 ms
Loss rate: 0.05%

Run 6: Report of Indigo — Data Link

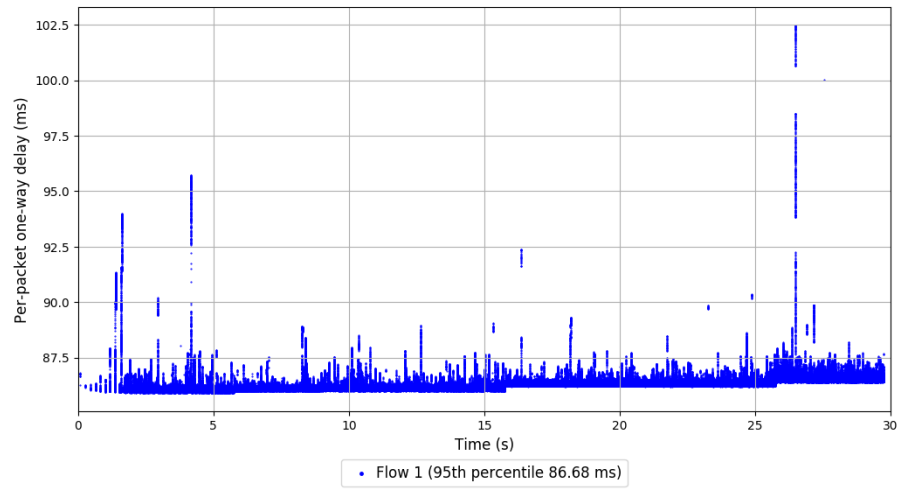
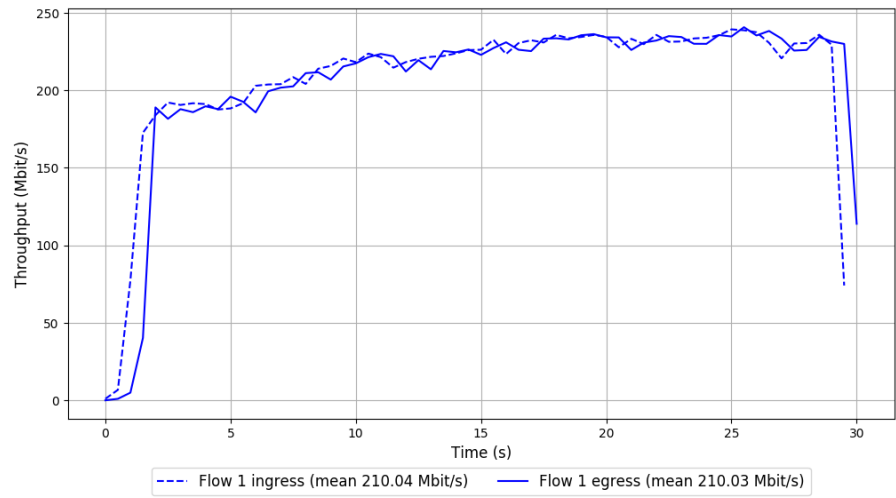


Run 7: Statistics of Indigo

Start at: 2018-07-17 23:50:49
End at: 2018-07-17 23:51:19
Local clock offset: -0.226 ms
Remote clock offset: -0.589 ms

Below is generated by plot.py at 2018-07-18 02:21:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 210.03 Mbit/s
95th percentile per-packet one-way delay: 86.677 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 210.03 Mbit/s
95th percentile per-packet one-way delay: 86.677 ms
Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

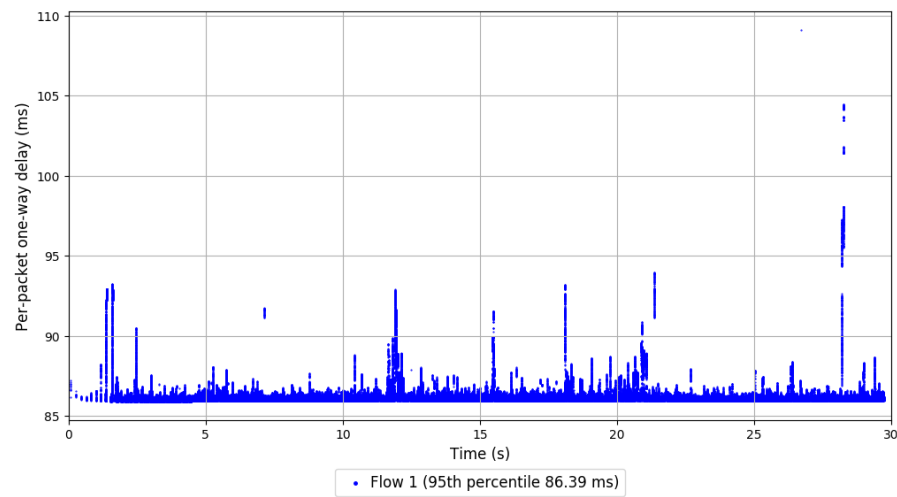
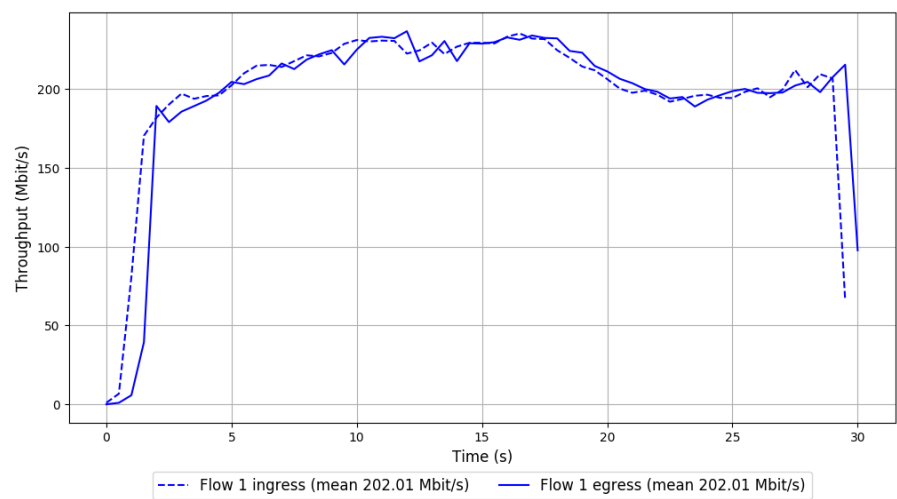


Run 8: Statistics of Indigo

Start at: 2018-07-18 00:13:11
End at: 2018-07-18 00:13:41
Local clock offset: -0.17 ms
Remote clock offset: -0.381 ms

Below is generated by plot.py at 2018-07-18 02:21:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 202.01 Mbit/s
95th percentile per-packet one-way delay: 86.386 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 202.01 Mbit/s
95th percentile per-packet one-way delay: 86.386 ms
Loss rate: 0.00%

Run 8: Report of Indigo — Data Link

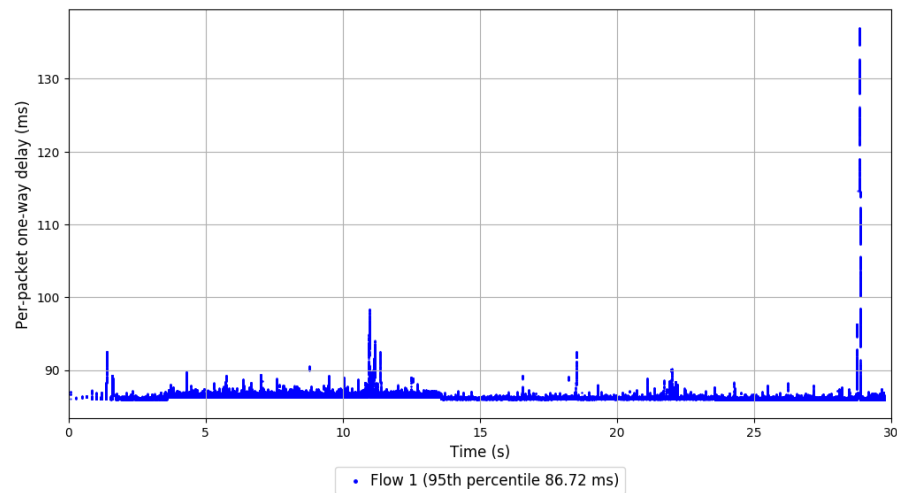
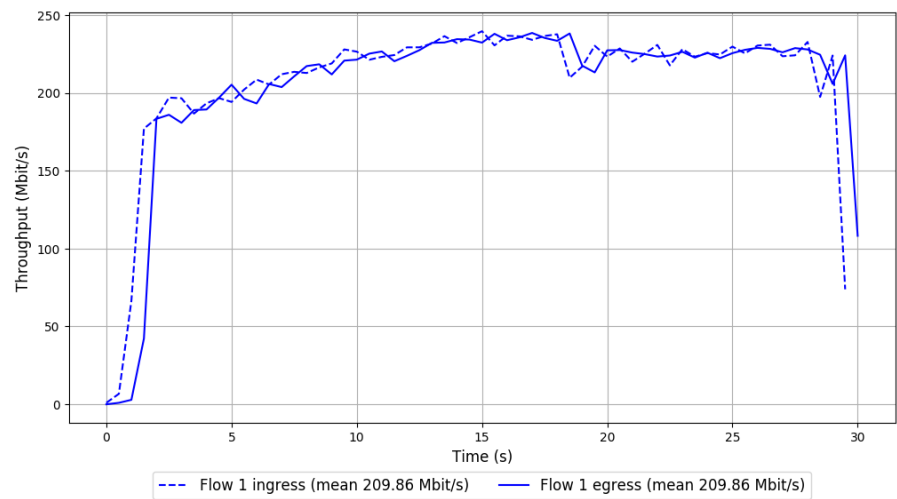


Run 9: Statistics of Indigo

Start at: 2018-07-18 00:35:42
End at: 2018-07-18 00:36:12
Local clock offset: -0.231 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2018-07-18 02:21:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 209.86 Mbit/s
95th percentile per-packet one-way delay: 86.717 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 209.86 Mbit/s
95th percentile per-packet one-way delay: 86.717 ms
Loss rate: 0.00%

Run 9: Report of Indigo — Data Link

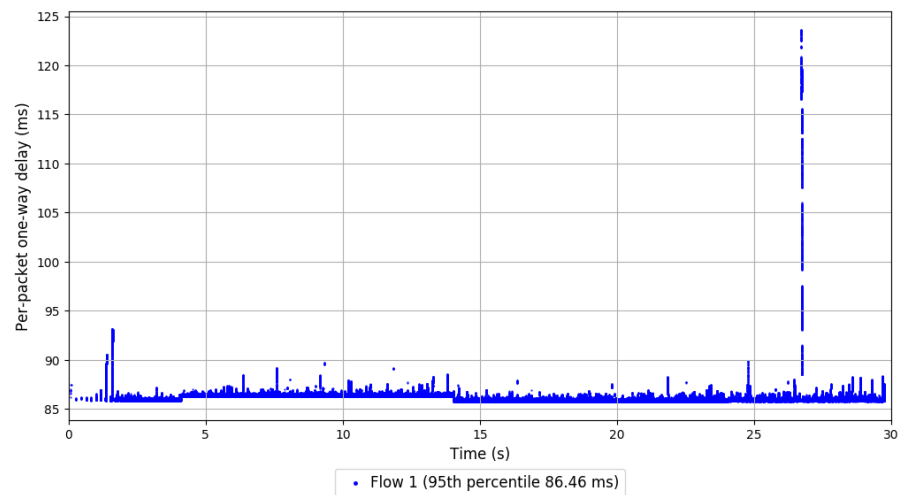
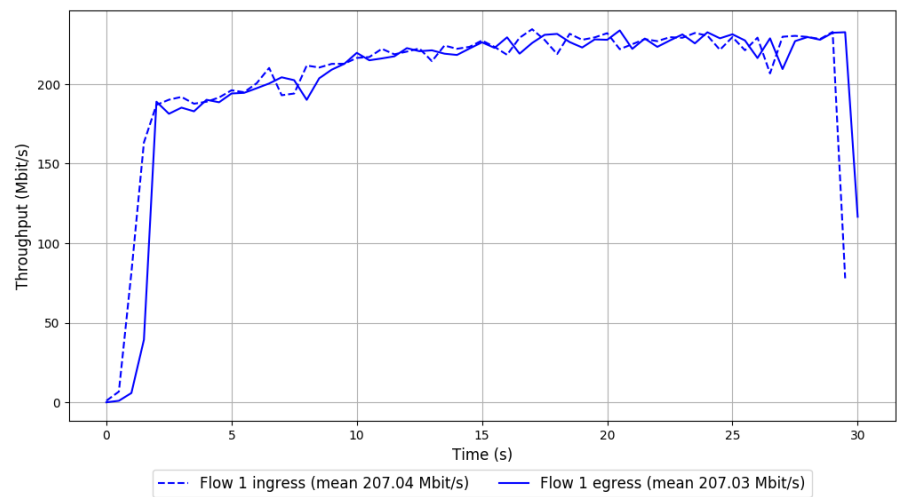


Run 10: Statistics of Indigo

Start at: 2018-07-18 00:58:21
End at: 2018-07-18 00:58:51
Local clock offset: -0.087 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2018-07-18 02:21:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 207.03 Mbit/s
95th percentile per-packet one-way delay: 86.463 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 207.03 Mbit/s
95th percentile per-packet one-way delay: 86.463 ms
Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

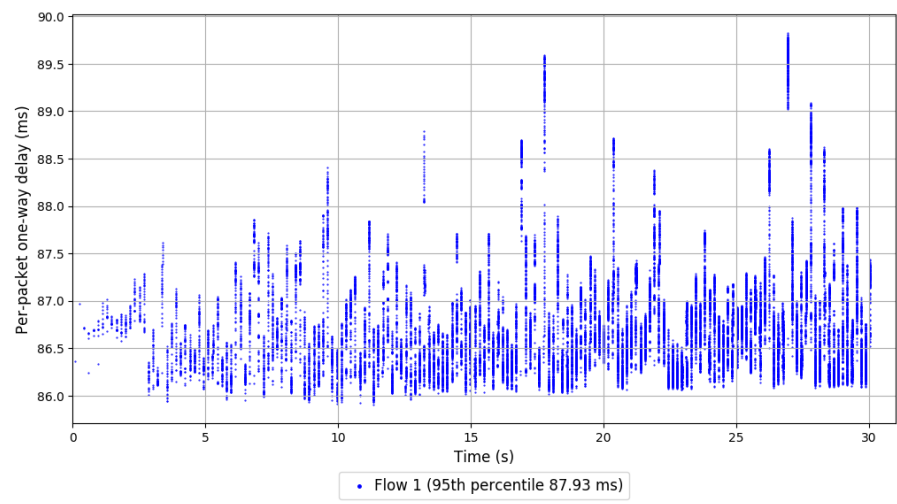
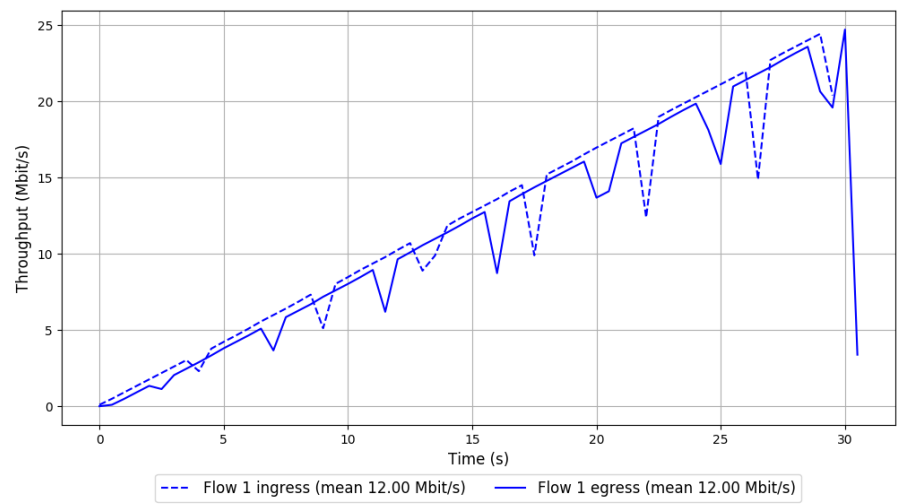


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-17 21:31:53
End at: 2018-07-17 21:32:23
Local clock offset: -0.46 ms
Remote clock offset: -1.075 ms

# Below is generated by plot.py at 2018-07-18 02:21:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.00 Mbit/s
95th percentile per-packet one-way delay: 87.926 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 12.00 Mbit/s
95th percentile per-packet one-way delay: 87.926 ms
Loss rate: 0.07%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-07-17 21:54:01

End at: 2018-07-17 21:54:31

Local clock offset: -0.306 ms

Remote clock offset: -2.79 ms

Below is generated by plot.py at 2018-07-18 02:21:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.07 Mbit/s

95th percentile per-packet one-way delay: 87.800 ms

Loss rate: 0.00%

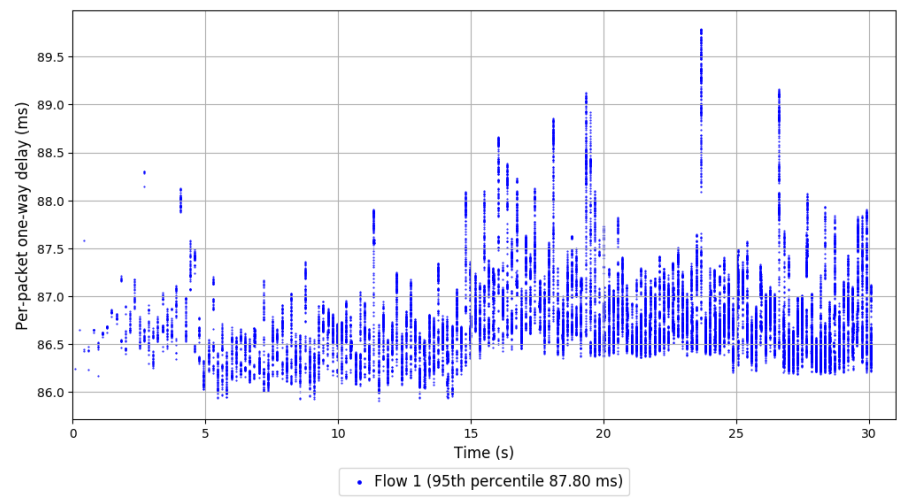
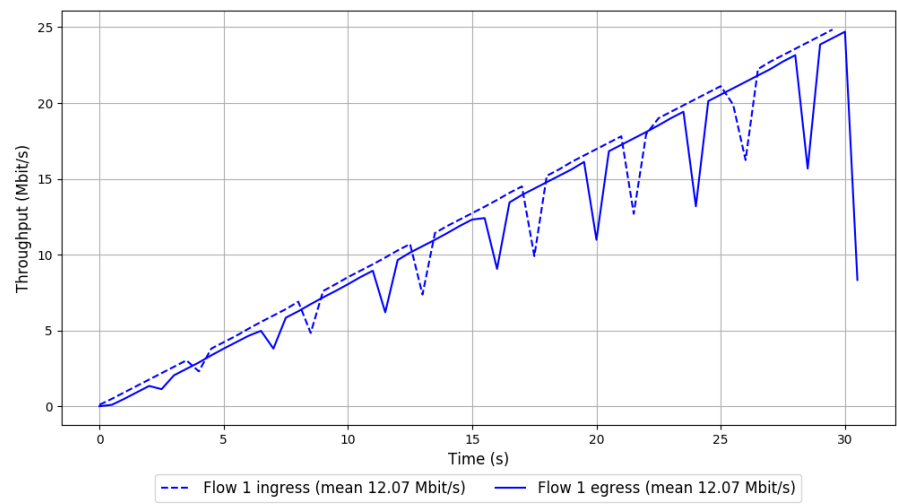
-- Flow 1:

Average throughput: 12.07 Mbit/s

95th percentile per-packet one-way delay: 87.800 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

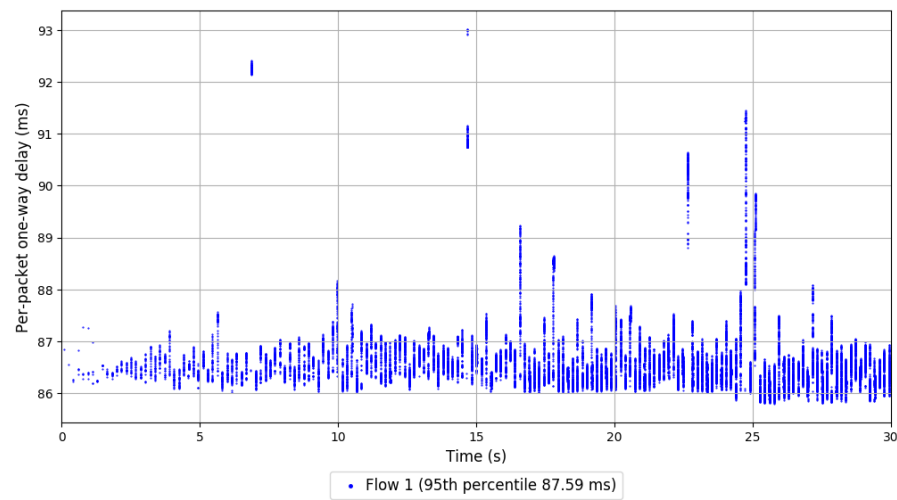
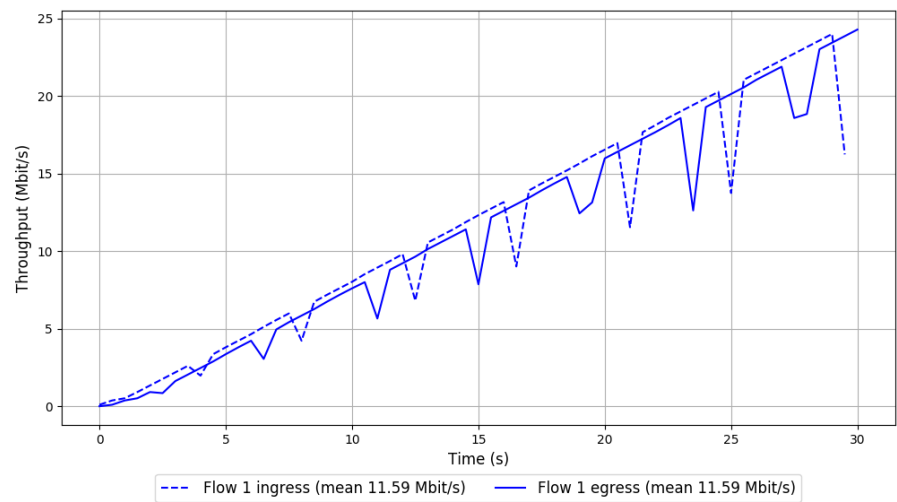


Run 3: Statistics of LEDBAT

Start at: 2018-07-17 22:16:51
End at: 2018-07-17 22:17:21
Local clock offset: -0.425 ms
Remote clock offset: -3.492 ms

Below is generated by plot.py at 2018-07-18 02:21:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.59 Mbit/s
95th percentile per-packet one-way delay: 87.589 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.59 Mbit/s
95th percentile per-packet one-way delay: 87.589 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

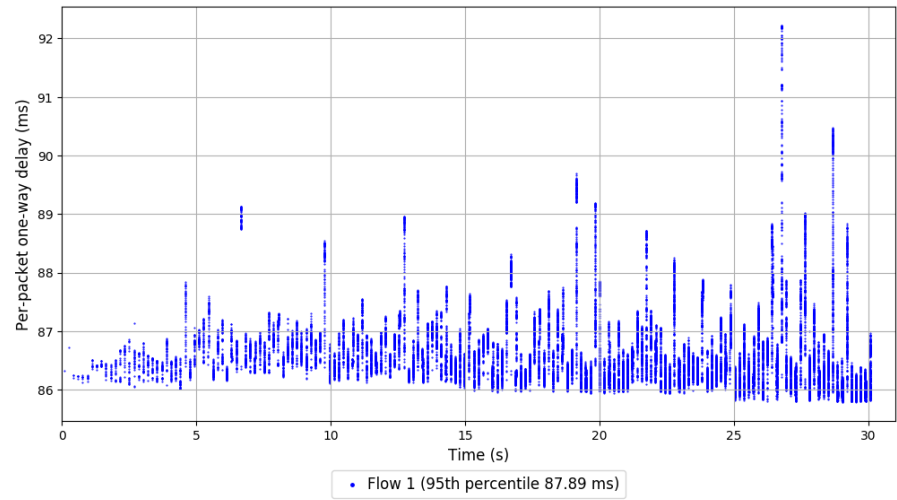
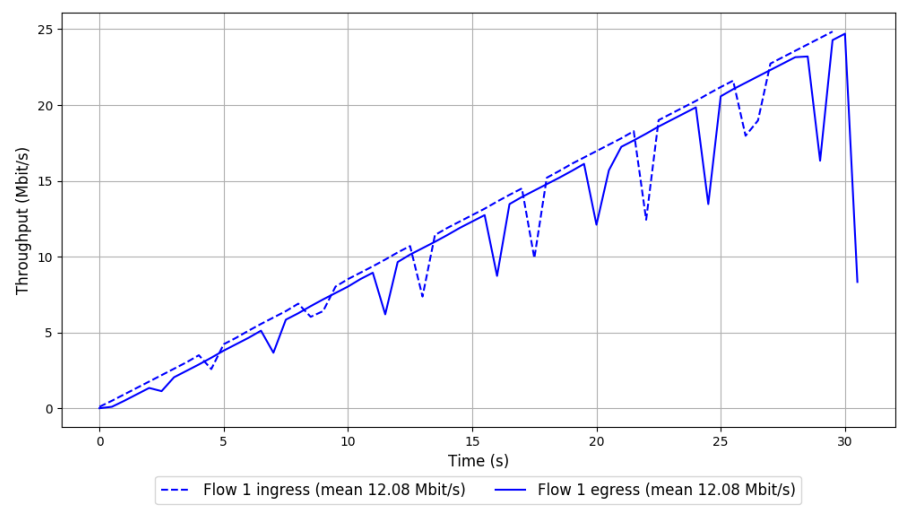


Run 4: Statistics of LEDBAT

Start at: 2018-07-17 22:39:21
End at: 2018-07-17 22:39:51
Local clock offset: -0.831 ms
Remote clock offset: -3.332 ms

Below is generated by plot.py at 2018-07-18 02:21:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.08 Mbit/s
95th percentile per-packet one-way delay: 87.889 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.08 Mbit/s
95th percentile per-packet one-way delay: 87.889 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

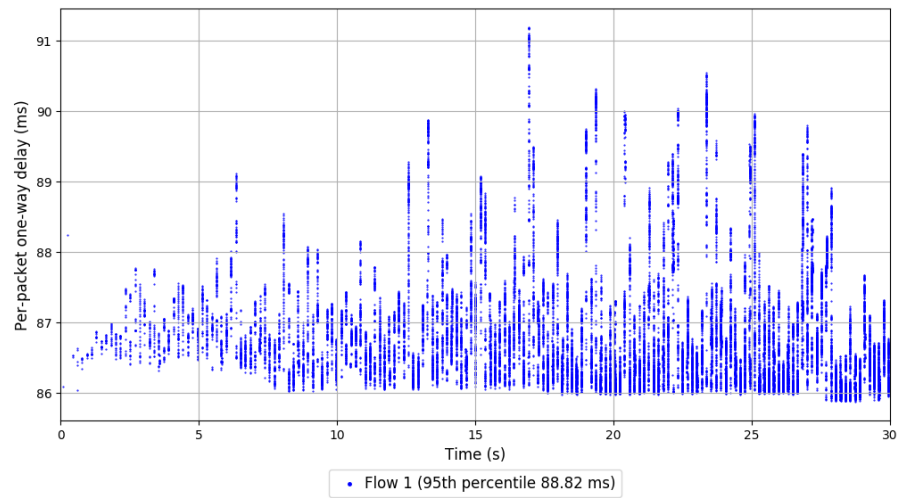
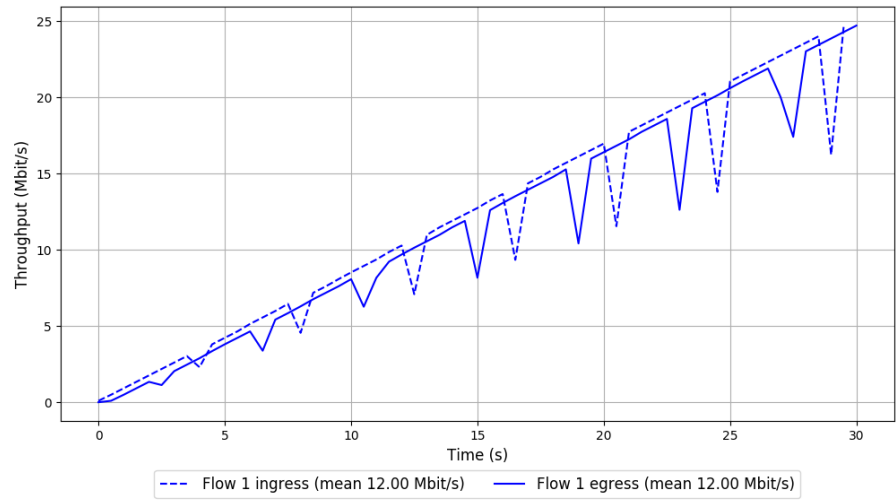


Run 5: Statistics of LEDBAT

Start at: 2018-07-17 23:01:48
End at: 2018-07-17 23:02:18
Local clock offset: -0.632 ms
Remote clock offset: -2.505 ms

Below is generated by plot.py at 2018-07-18 02:21:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.00 Mbit/s
95th percentile per-packet one-way delay: 88.823 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.00 Mbit/s
95th percentile per-packet one-way delay: 88.823 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

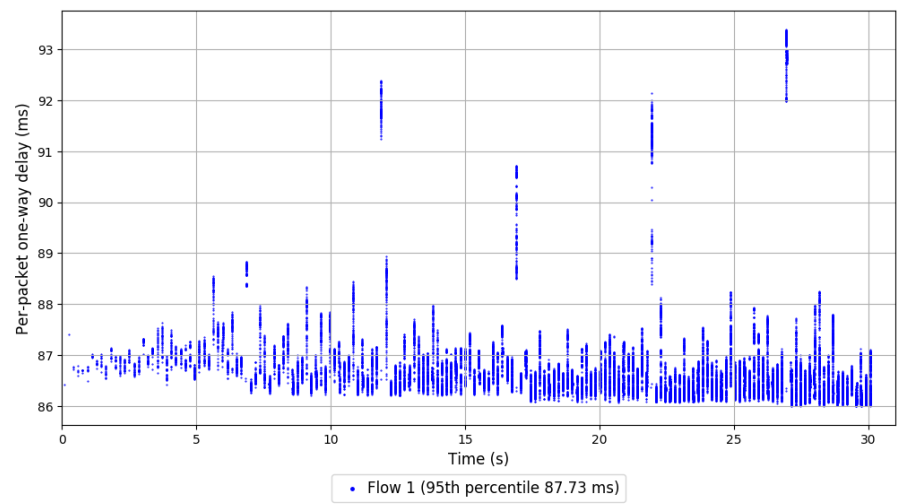
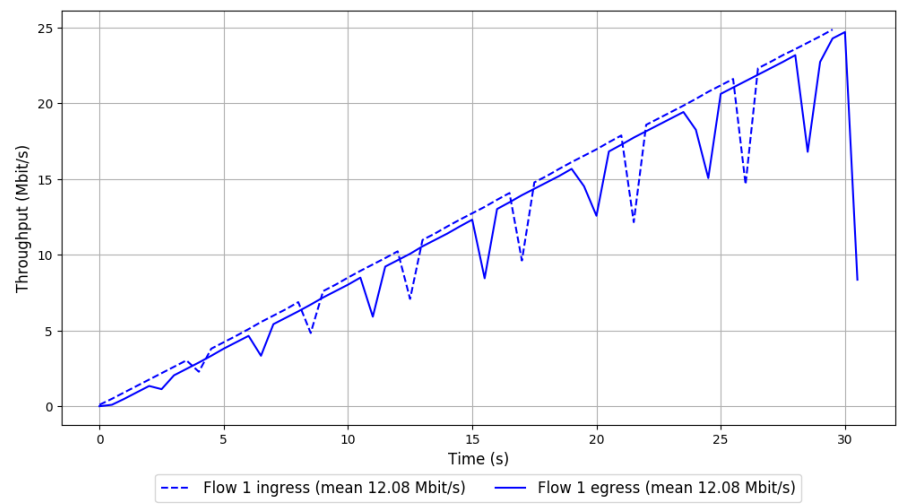


Run 6: Statistics of LEDBAT

Start at: 2018-07-17 23:24:29
End at: 2018-07-17 23:24:59
Local clock offset: -0.273 ms
Remote clock offset: -1.103 ms

Below is generated by plot.py at 2018-07-18 02:21:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.08 Mbit/s
95th percentile per-packet one-way delay: 87.734 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.08 Mbit/s
95th percentile per-packet one-way delay: 87.734 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-07-17 23:47:04

End at: 2018-07-17 23:47:34

Local clock offset: -0.018 ms

Remote clock offset: -0.84 ms

Below is generated by plot.py at 2018-07-18 02:21:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.58 Mbit/s

95th percentile per-packet one-way delay: 87.304 ms

Loss rate: 0.00%

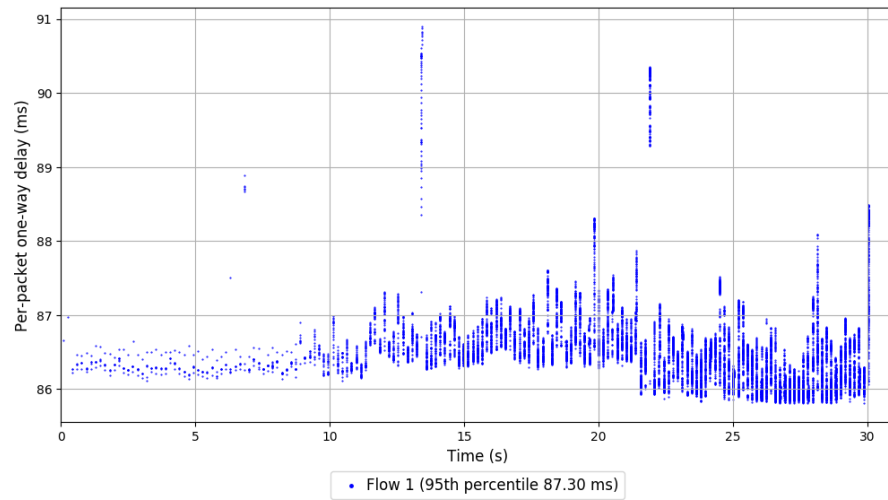
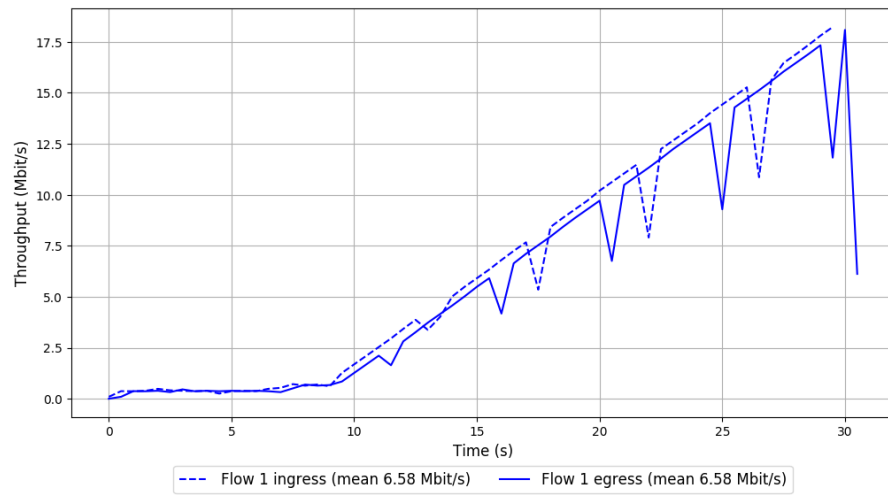
-- Flow 1:

Average throughput: 6.58 Mbit/s

95th percentile per-packet one-way delay: 87.304 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

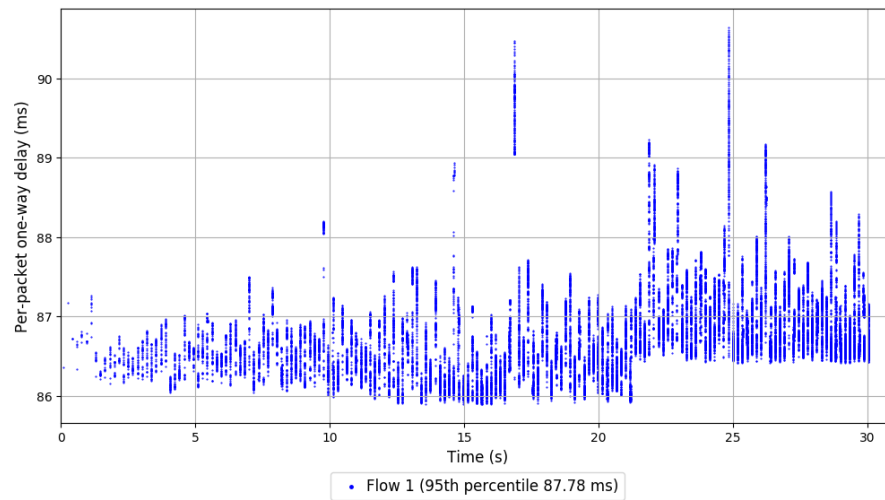
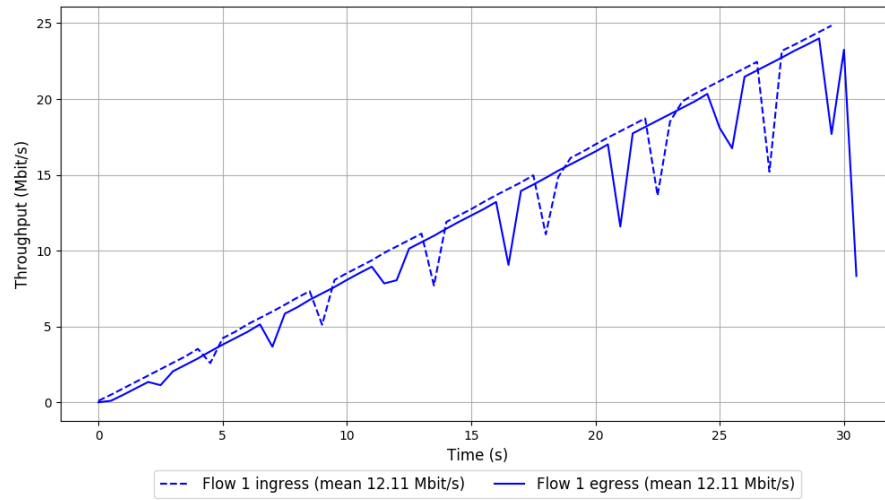


Run 8: Statistics of LEDBAT

Start at: 2018-07-18 00:09:24
End at: 2018-07-18 00:09:54
Local clock offset: -0.149 ms
Remote clock offset: -0.346 ms

Below is generated by plot.py at 2018-07-18 02:21:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.11 Mbit/s
95th percentile per-packet one-way delay: 87.776 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.11 Mbit/s
95th percentile per-packet one-way delay: 87.776 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

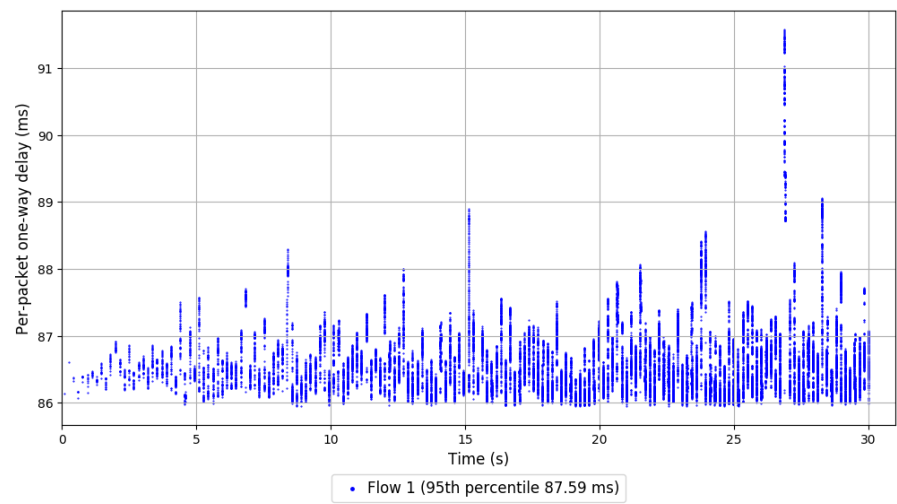
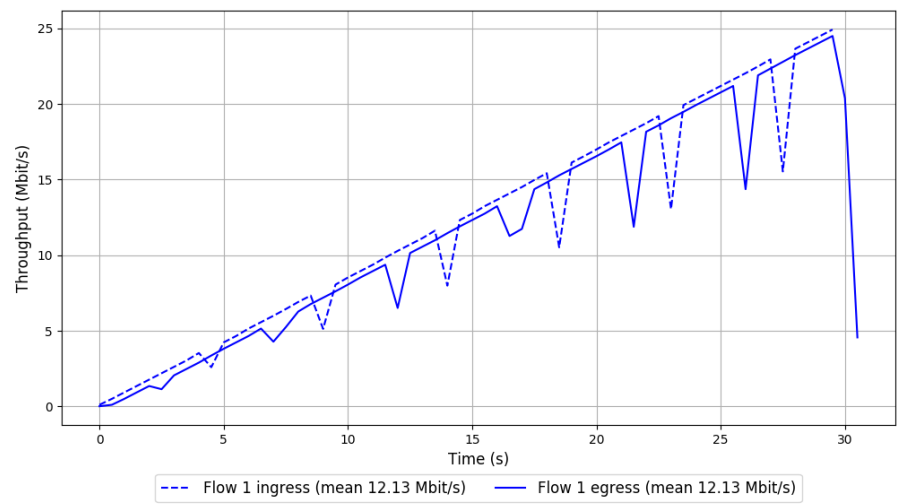


Run 9: Statistics of LEDBAT

Start at: 2018-07-18 00:31:54
End at: 2018-07-18 00:32:24
Local clock offset: -0.275 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2018-07-18 02:21:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.13 Mbit/s
95th percentile per-packet one-way delay: 87.595 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.13 Mbit/s
95th percentile per-packet one-way delay: 87.595 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

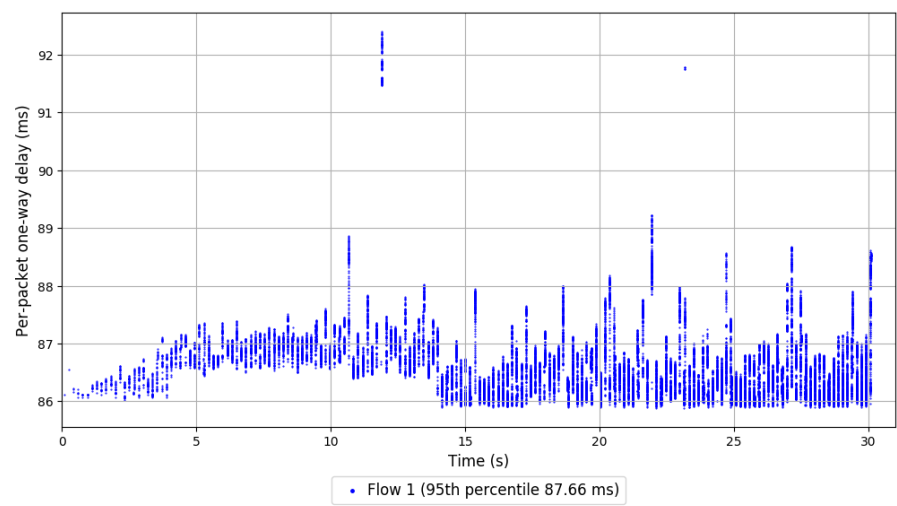
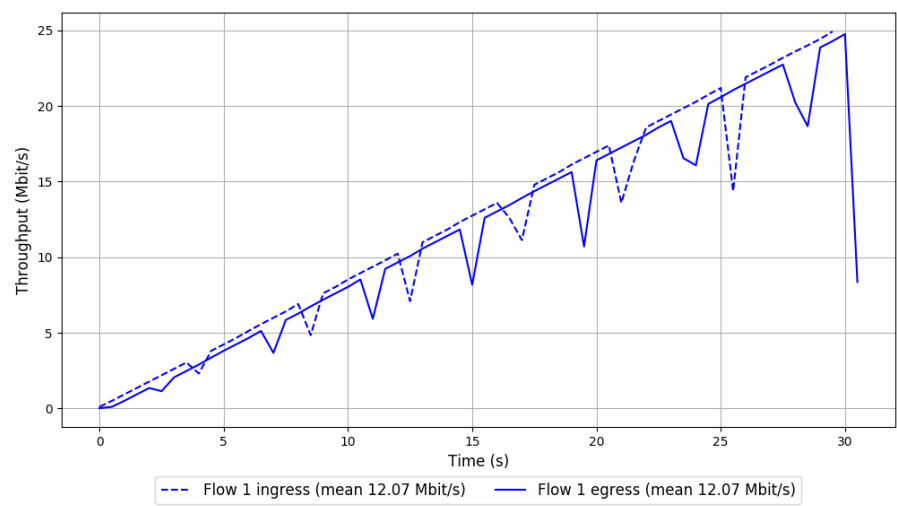


Run 10: Statistics of LEDBAT

Start at: 2018-07-18 00:54:32
End at: 2018-07-18 00:55:02
Local clock offset: -0.186 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-07-18 02:21:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.07 Mbit/s
95th percentile per-packet one-way delay: 87.661 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.07 Mbit/s
95th percentile per-packet one-way delay: 87.661 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

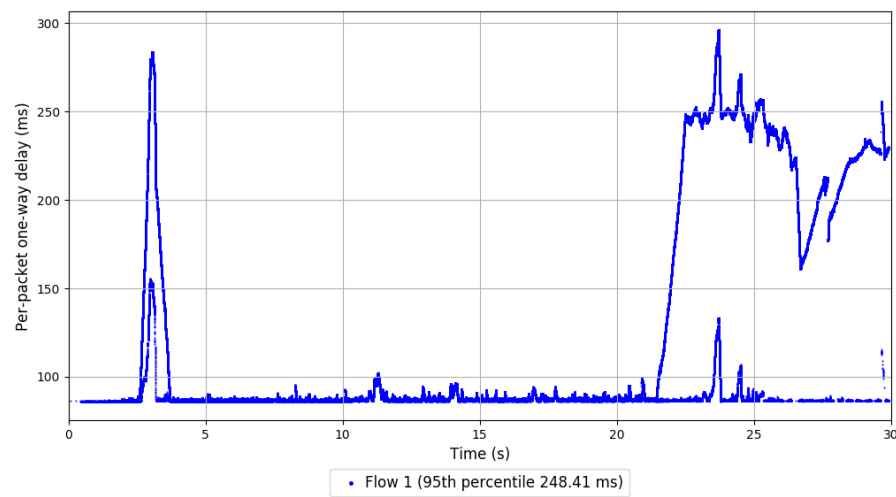
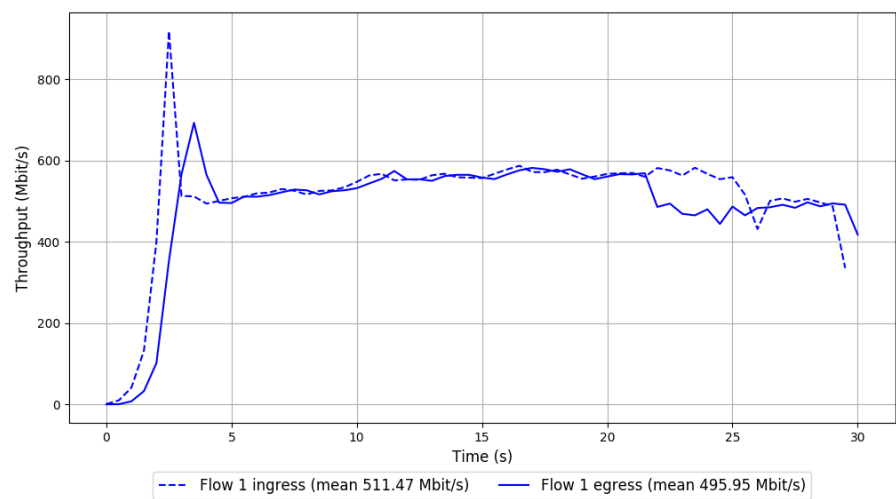


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-17 21:27:53
End at: 2018-07-17 21:28:23
Local clock offset: -0.287 ms
Remote clock offset: -0.535 ms

# Below is generated by plot.py at 2018-07-18 02:26:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 495.95 Mbit/s
95th percentile per-packet one-way delay: 248.409 ms
Loss rate: 3.03%
-- Flow 1:
Average throughput: 495.95 Mbit/s
95th percentile per-packet one-way delay: 248.409 ms
Loss rate: 3.03%
```

Run 1: Report of PCC-Allegro — Data Link

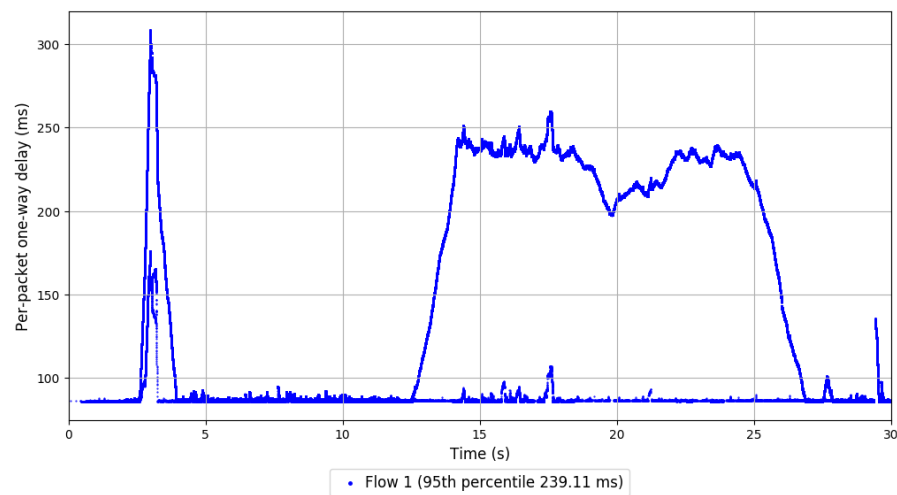
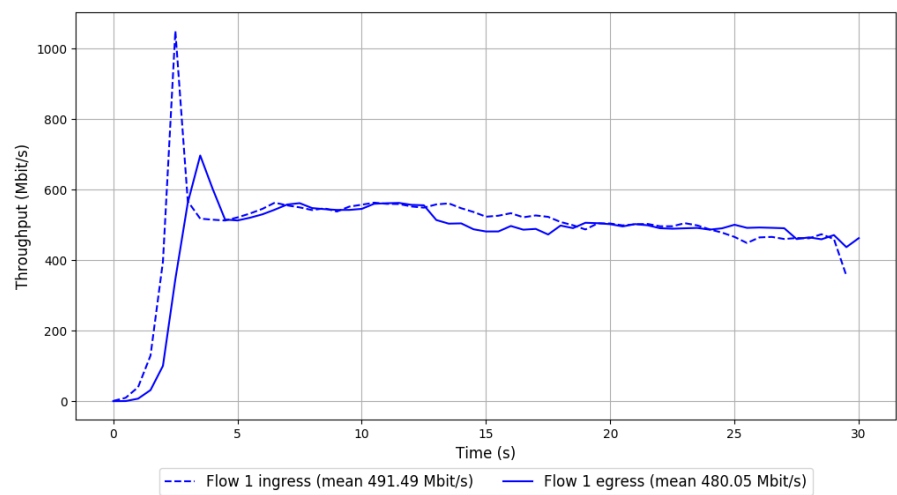


Run 2: Statistics of PCC-Allegro

Start at: 2018-07-17 21:50:03
End at: 2018-07-17 21:50:33
Local clock offset: -0.294 ms
Remote clock offset: -2.183 ms

Below is generated by plot.py at 2018-07-18 02:26:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 480.05 Mbit/s
95th percentile per-packet one-way delay: 239.107 ms
Loss rate: 2.33%
-- Flow 1:
Average throughput: 480.05 Mbit/s
95th percentile per-packet one-way delay: 239.107 ms
Loss rate: 2.33%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-17 22:12:46

End at: 2018-07-17 22:13:16

Local clock offset: -0.382 ms

Remote clock offset: -3.068 ms

Below is generated by plot.py at 2018-07-18 02:27:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 516.99 Mbit/s

95th percentile per-packet one-way delay: 105.482 ms

Loss rate: 0.64%

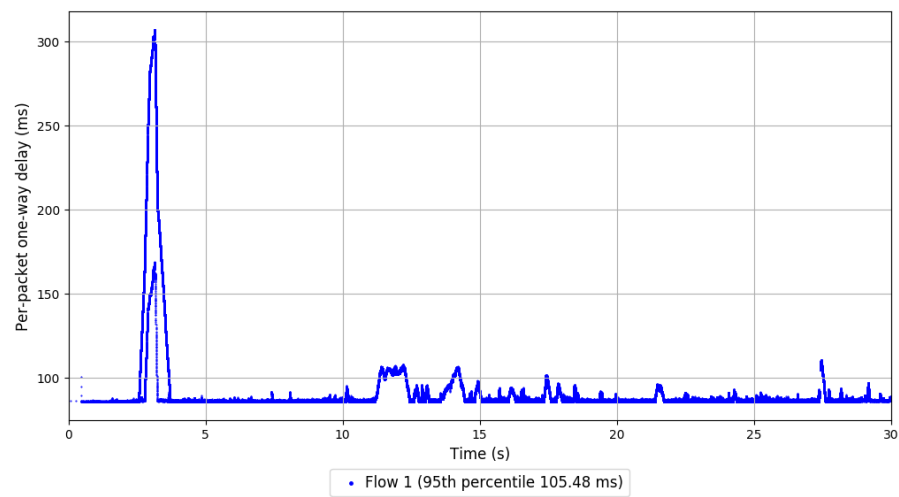
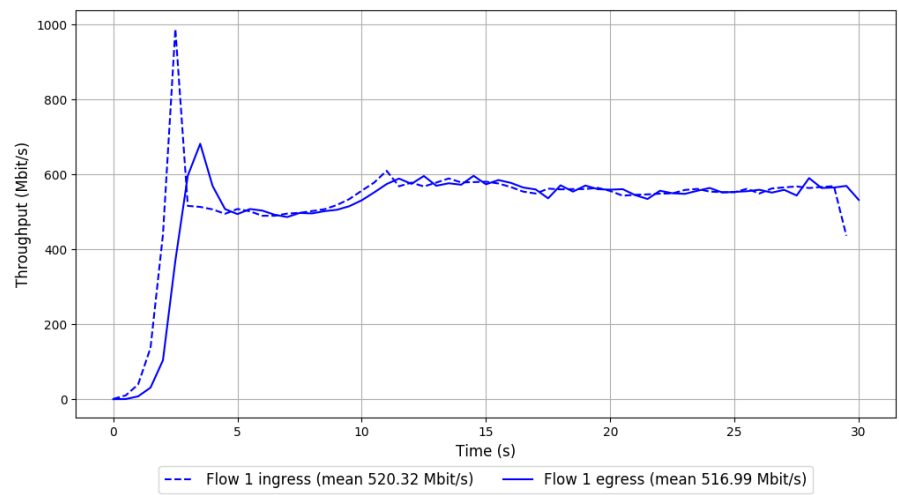
-- Flow 1:

Average throughput: 516.99 Mbit/s

95th percentile per-packet one-way delay: 105.482 ms

Loss rate: 0.64%

Run 3: Report of PCC-Allegro — Data Link

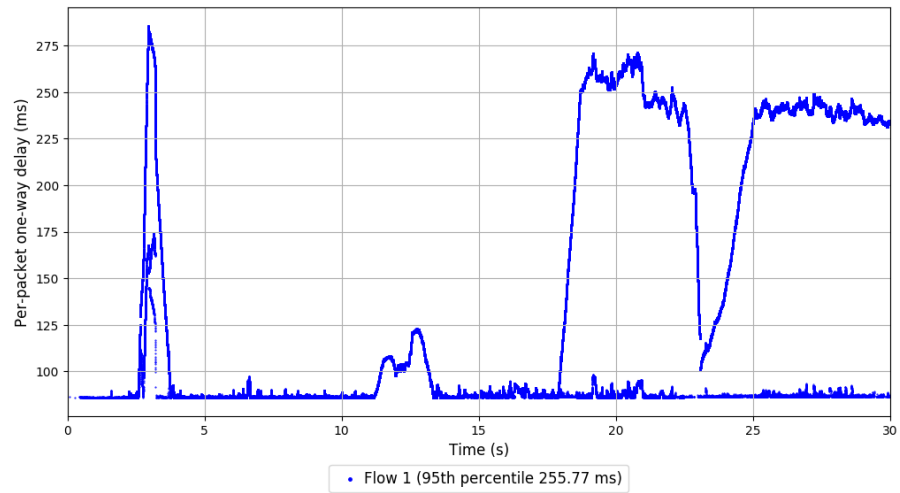
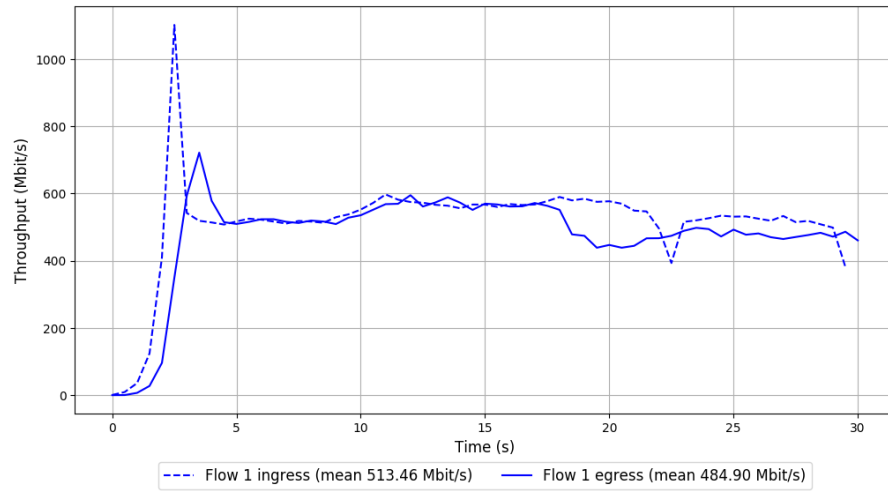


Run 4: Statistics of PCC-Allegro

Start at: 2018-07-17 22:35:21
End at: 2018-07-17 22:35:51
Local clock offset: -0.883 ms
Remote clock offset: -4.793 ms

Below is generated by plot.py at 2018-07-18 02:27:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 484.90 Mbit/s
95th percentile per-packet one-way delay: 255.769 ms
Loss rate: 5.56%
-- Flow 1:
Average throughput: 484.90 Mbit/s
95th percentile per-packet one-way delay: 255.769 ms
Loss rate: 5.56%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-17 22:57:49

End at: 2018-07-17 22:58:19

Local clock offset: -1.054 ms

Remote clock offset: -2.331 ms

Below is generated by plot.py at 2018-07-18 02:27:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 498.81 Mbit/s

95th percentile per-packet one-way delay: 255.973 ms

Loss rate: 3.50%

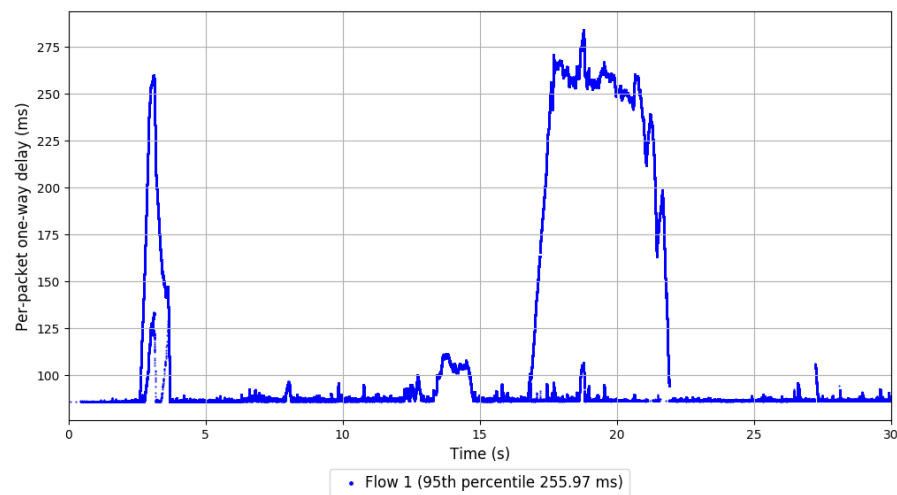
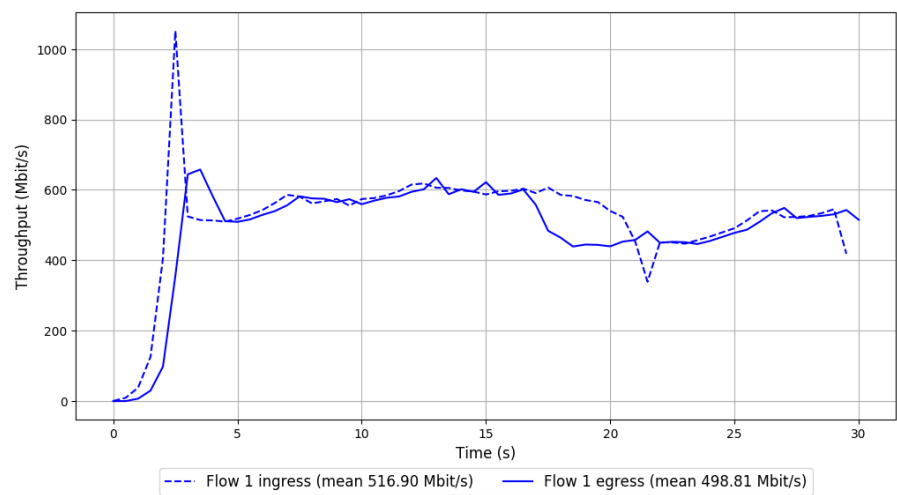
-- Flow 1:

Average throughput: 498.81 Mbit/s

95th percentile per-packet one-way delay: 255.973 ms

Loss rate: 3.50%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-17 23:20:25

End at: 2018-07-17 23:20:55

Local clock offset: -0.305 ms

Remote clock offset: -1.166 ms

Below is generated by plot.py at 2018-07-18 02:31:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 535.94 Mbit/s

95th percentile per-packet one-way delay: 256.958 ms

Loss rate: 3.72%

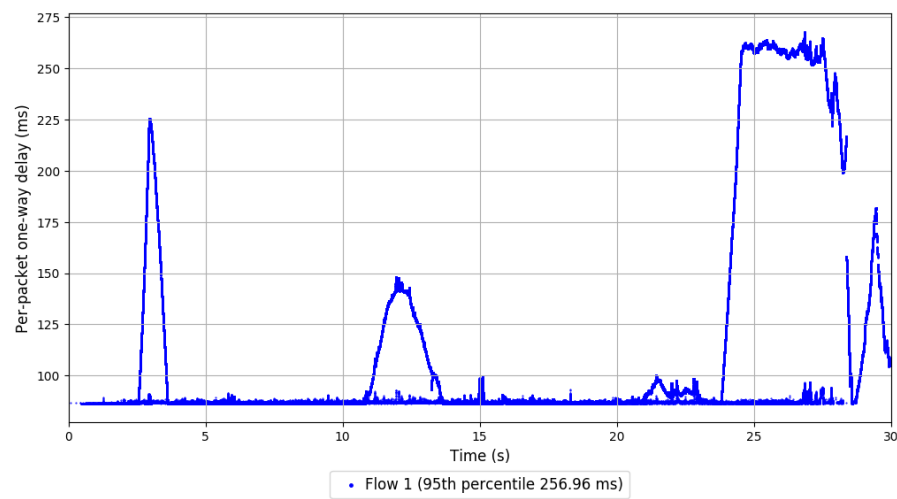
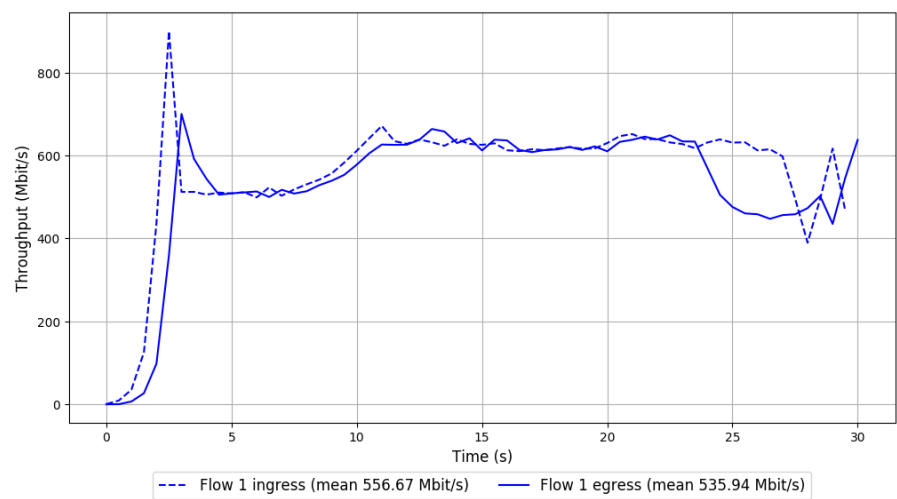
-- Flow 1:

Average throughput: 535.94 Mbit/s

95th percentile per-packet one-way delay: 256.958 ms

Loss rate: 3.72%

Run 6: Report of PCC-Allegro — Data Link

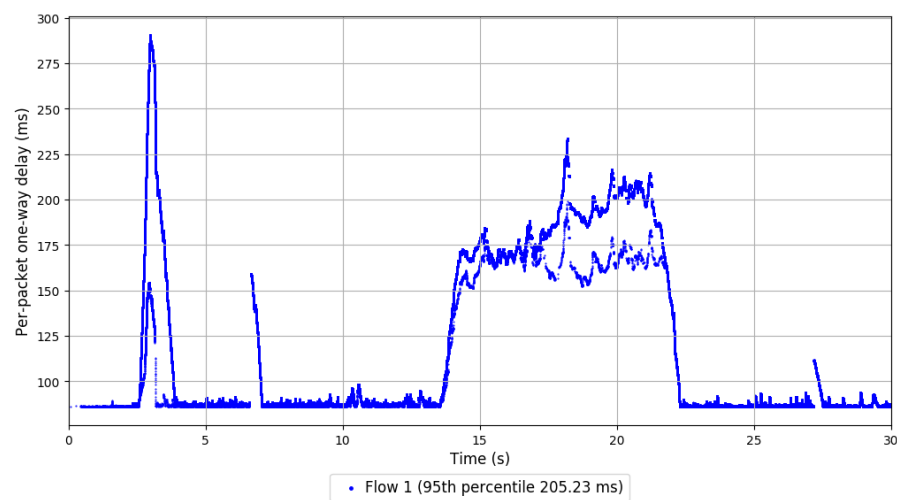
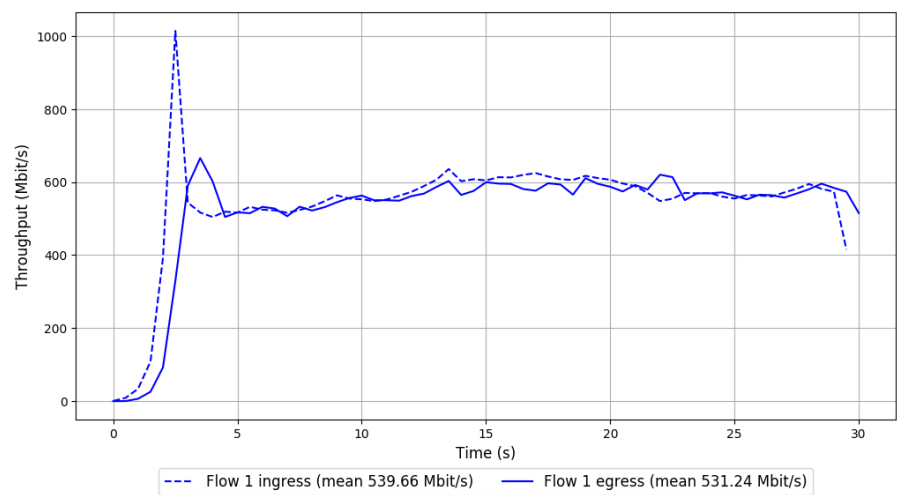


Run 7: Statistics of PCC-Allegro

Start at: 2018-07-17 23:43:03
End at: 2018-07-17 23:43:33
Local clock offset: -0.273 ms
Remote clock offset: -1.219 ms

Below is generated by plot.py at 2018-07-18 02:31:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 531.24 Mbit/s
95th percentile per-packet one-way delay: 205.230 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 531.24 Mbit/s
95th percentile per-packet one-way delay: 205.230 ms
Loss rate: 1.56%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-18 00:05:28

End at: 2018-07-18 00:05:58

Local clock offset: 0.064 ms

Remote clock offset: -0.323 ms

Below is generated by plot.py at 2018-07-18 02:31:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 475.69 Mbit/s

95th percentile per-packet one-way delay: 251.965 ms

Loss rate: 4.12%

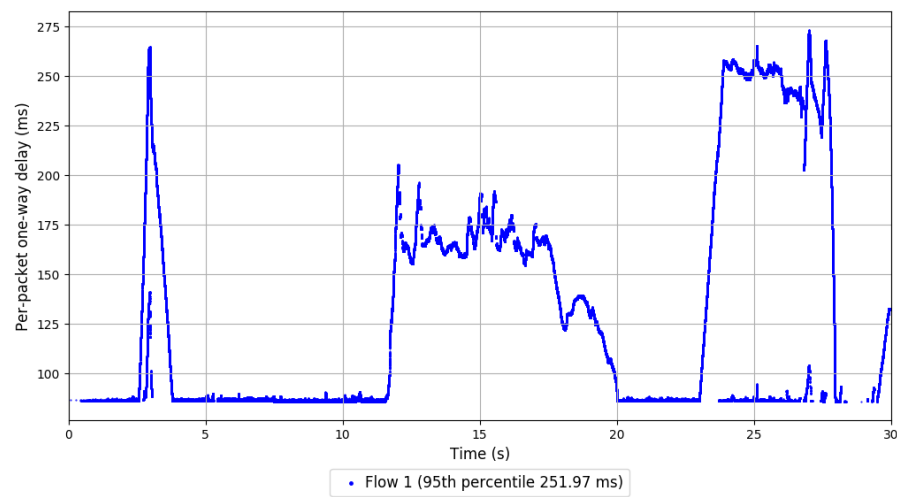
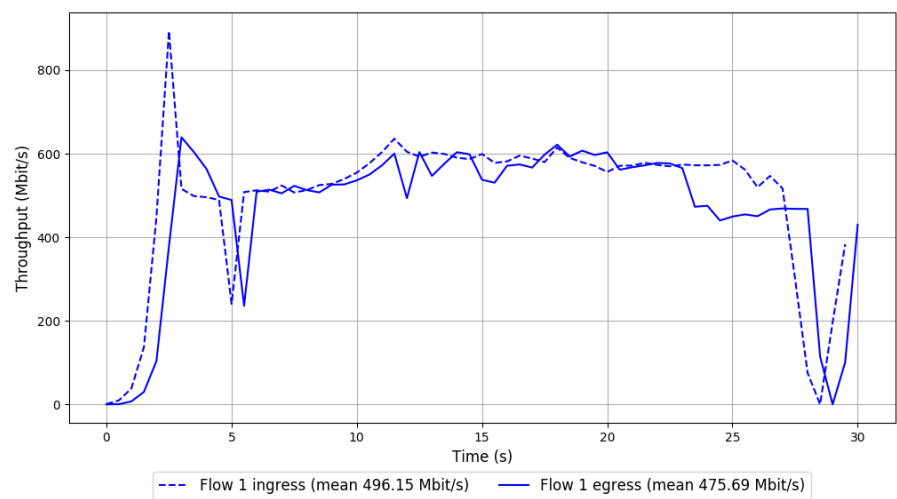
-- Flow 1:

Average throughput: 475.69 Mbit/s

95th percentile per-packet one-way delay: 251.965 ms

Loss rate: 4.12%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-18 00:27:54

End at: 2018-07-18 00:28:24

Local clock offset: -0.38 ms

Remote clock offset: -0.099 ms

Below is generated by plot.py at 2018-07-18 02:35:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 503.40 Mbit/s

95th percentile per-packet one-way delay: 245.655 ms

Loss rate: 2.79%

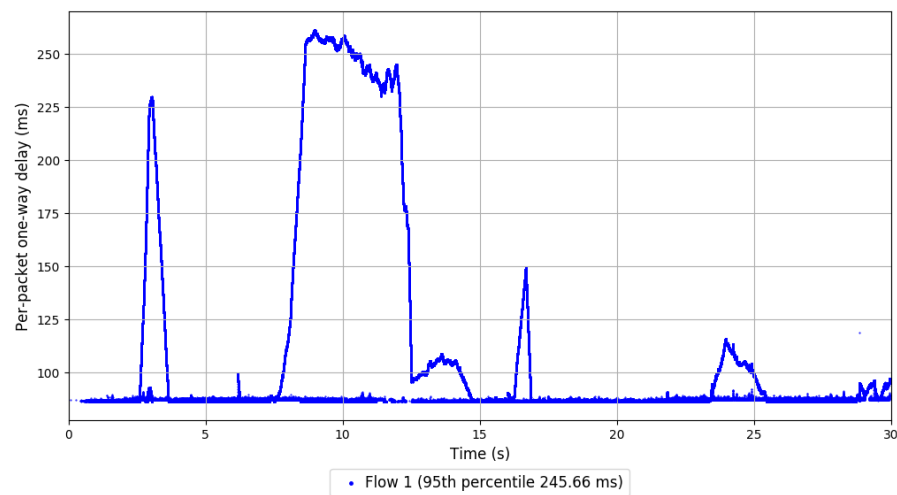
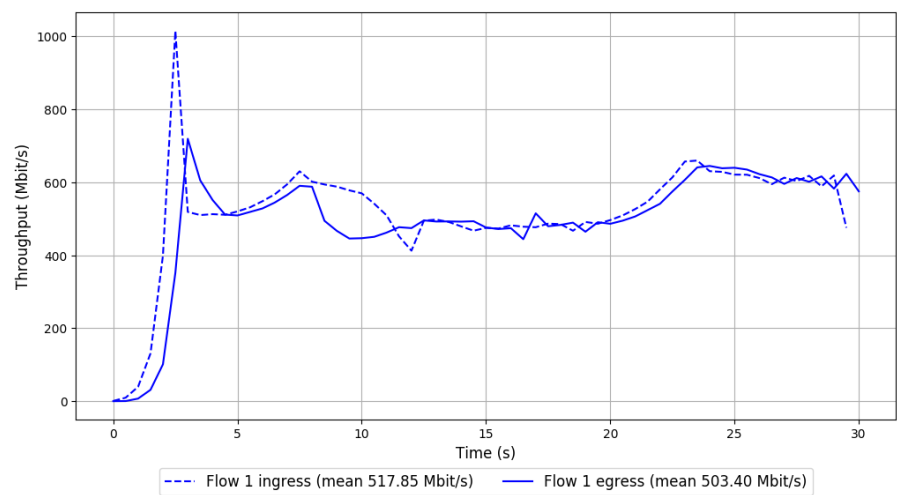
-- Flow 1:

Average throughput: 503.40 Mbit/s

95th percentile per-packet one-way delay: 245.655 ms

Loss rate: 2.79%

Run 9: Report of PCC-Allegro — Data Link

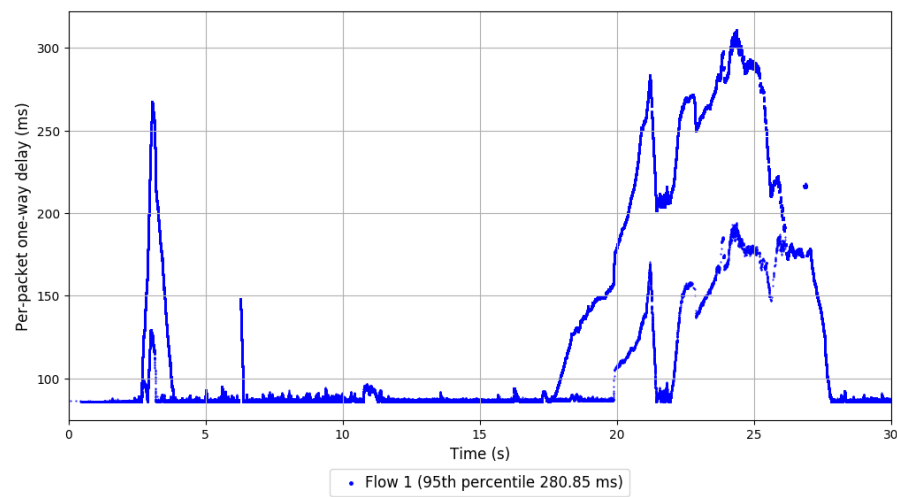
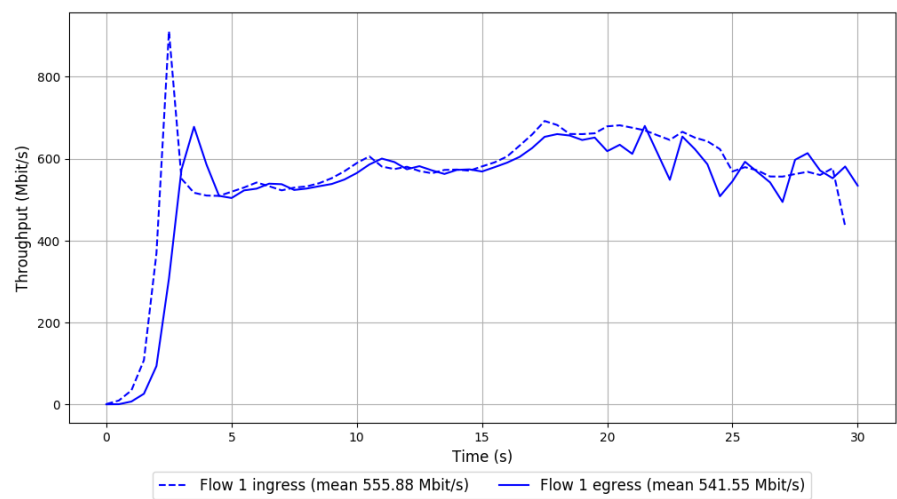


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-18 00:50:29
End at: 2018-07-18 00:50:59
Local clock offset: -0.129 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2018-07-18 02:36:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 541.55 Mbit/s
95th percentile per-packet one-way delay: 280.850 ms
Loss rate: 2.58%
-- Flow 1:
Average throughput: 541.55 Mbit/s
95th percentile per-packet one-way delay: 280.850 ms
Loss rate: 2.58%

Run 10: Report of PCC-Allegro — Data Link

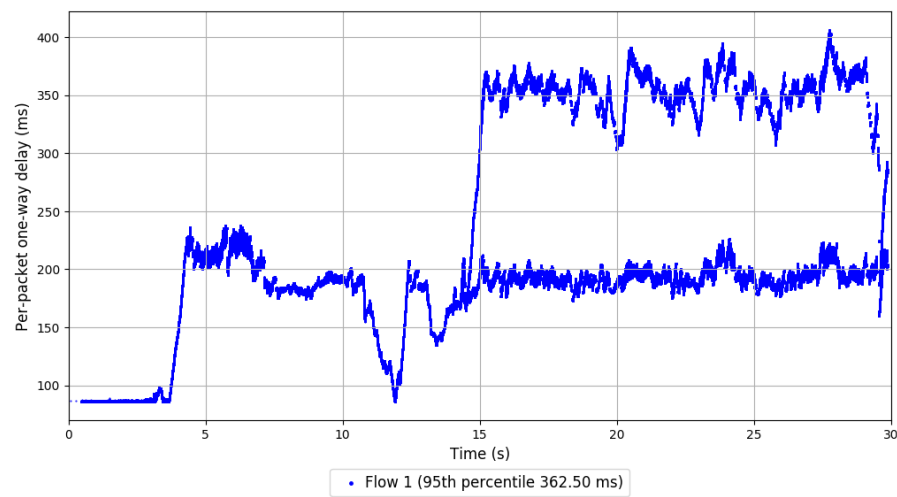
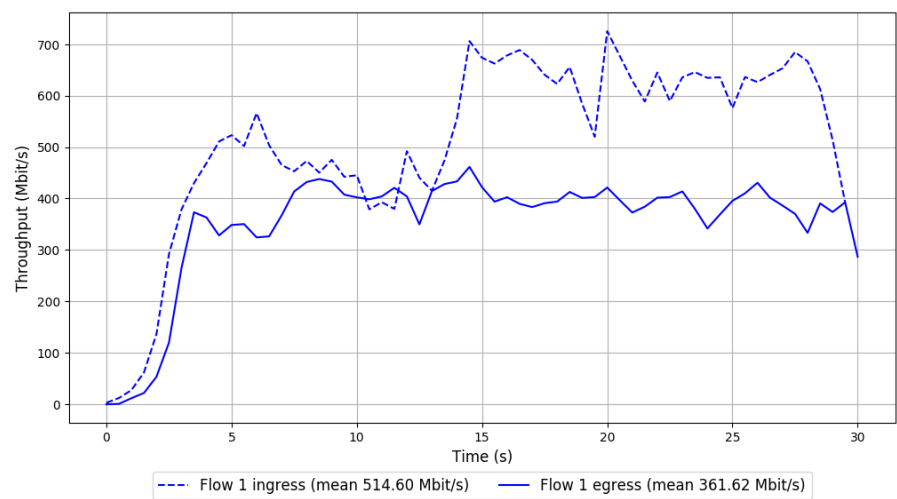


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-17 21:42:17
End at: 2018-07-17 21:42:47
Local clock offset: -0.398 ms
Remote clock offset: -2.59 ms

# Below is generated by plot.py at 2018-07-18 02:41:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 361.62 Mbit/s
95th percentile per-packet one-way delay: 362.501 ms
Loss rate: 29.73%
-- Flow 1:
Average throughput: 361.62 Mbit/s
95th percentile per-packet one-way delay: 362.501 ms
Loss rate: 29.73%
```

Run 1: Report of PCC-Expr — Data Link

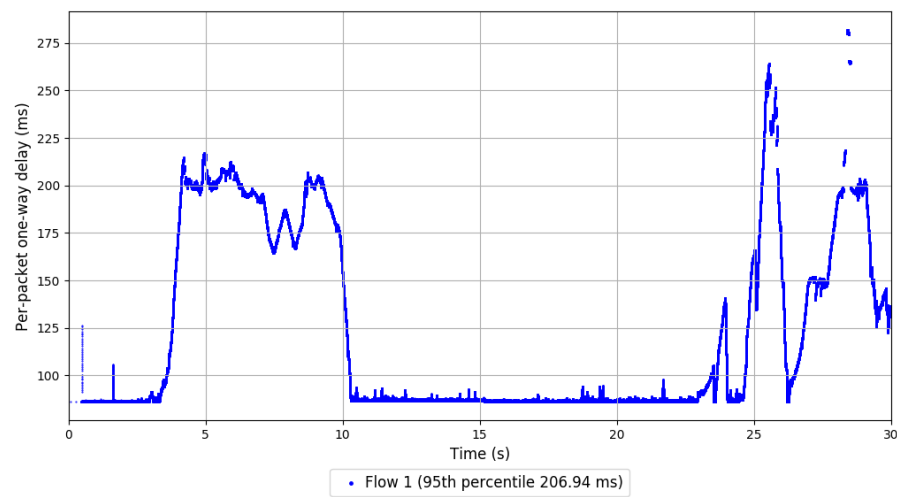
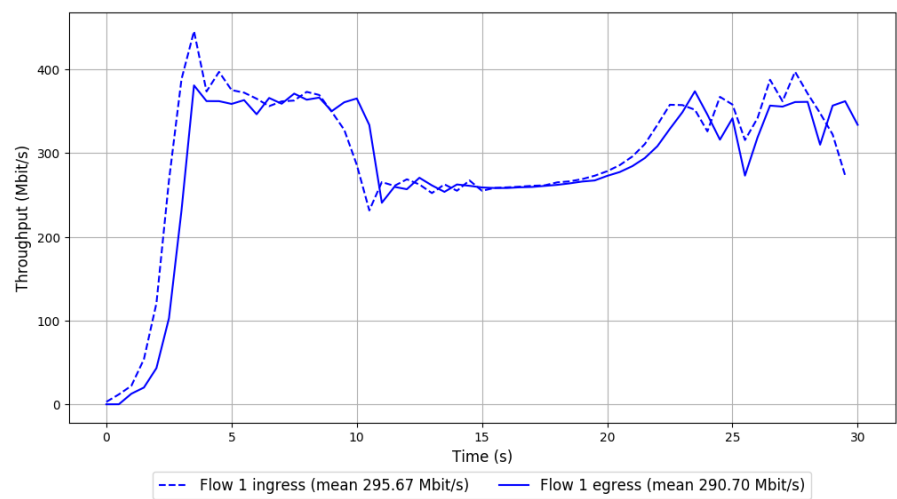


Run 2: Statistics of PCC-Expr

Start at: 2018-07-17 22:04:50
End at: 2018-07-17 22:05:20
Local clock offset: -0.606 ms
Remote clock offset: -2.943 ms

Below is generated by plot.py at 2018-07-18 02:41:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 290.70 Mbit/s
95th percentile per-packet one-way delay: 206.936 ms
Loss rate: 1.68%
-- Flow 1:
Average throughput: 290.70 Mbit/s
95th percentile per-packet one-way delay: 206.936 ms
Loss rate: 1.68%

Run 2: Report of PCC-Expr — Data Link

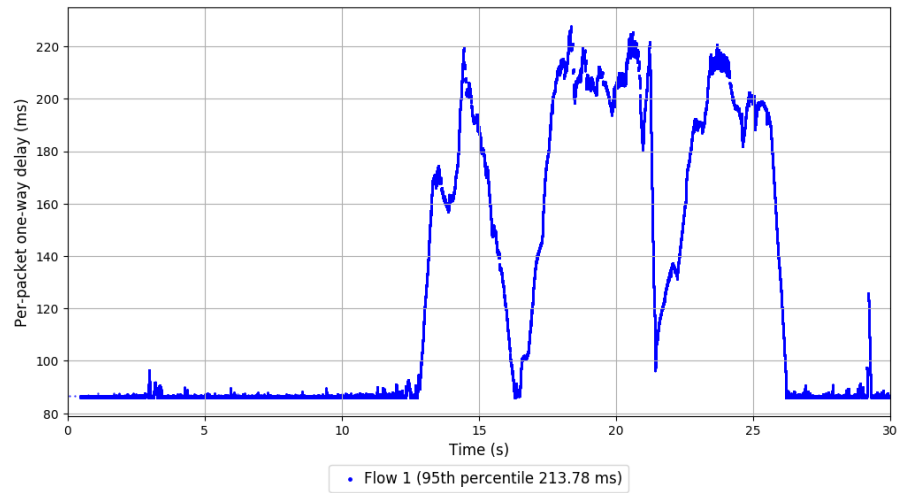
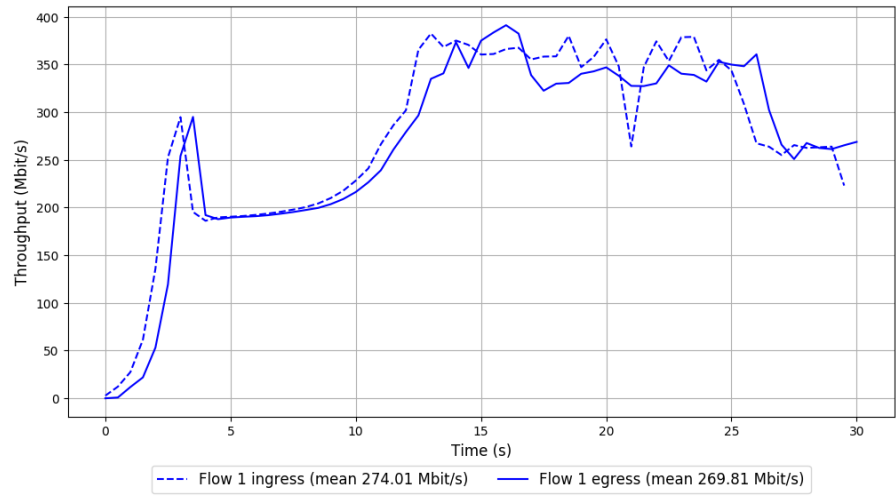


Run 3: Statistics of PCC-Expr

Start at: 2018-07-17 22:27:33
End at: 2018-07-17 22:28:03
Local clock offset: -0.653 ms
Remote clock offset: -4.854 ms

Below is generated by plot.py at 2018-07-18 02:41:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 269.81 Mbit/s
95th percentile per-packet one-way delay: 213.777 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 269.81 Mbit/s
95th percentile per-packet one-way delay: 213.777 ms
Loss rate: 1.53%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-17 22:50:04

End at: 2018-07-17 22:50:34

Local clock offset: -1.114 ms

Remote clock offset: -2.259 ms

Below is generated by plot.py at 2018-07-18 02:41:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 227.51 Mbit/s

95th percentile per-packet one-way delay: 103.516 ms

Loss rate: 0.00%

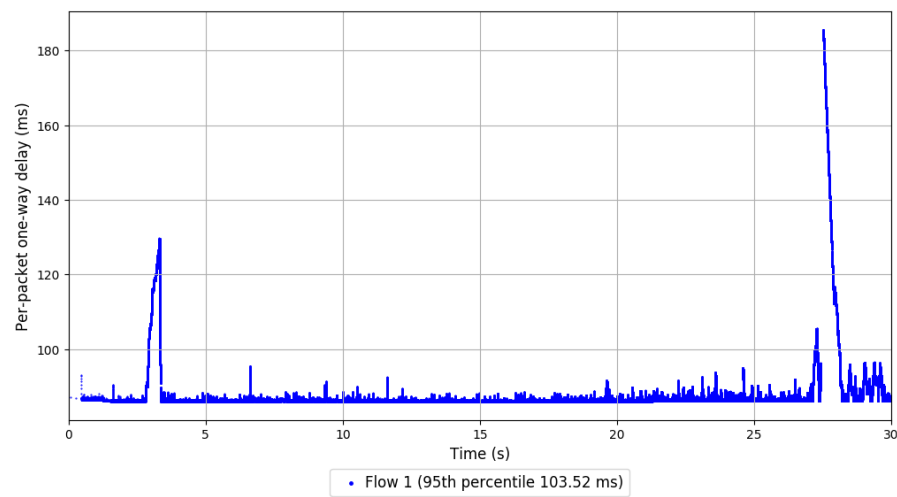
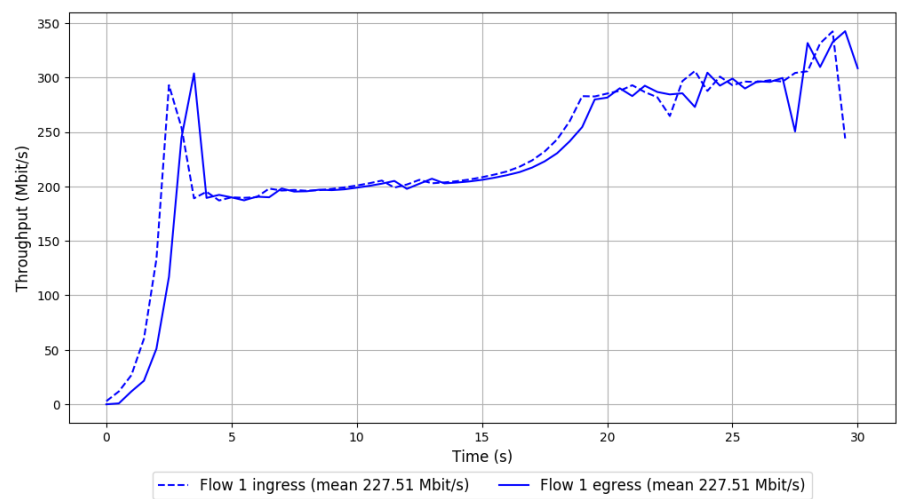
-- Flow 1:

Average throughput: 227.51 Mbit/s

95th percentile per-packet one-way delay: 103.516 ms

Loss rate: 0.00%

Run 4: Report of PCC-Expr — Data Link

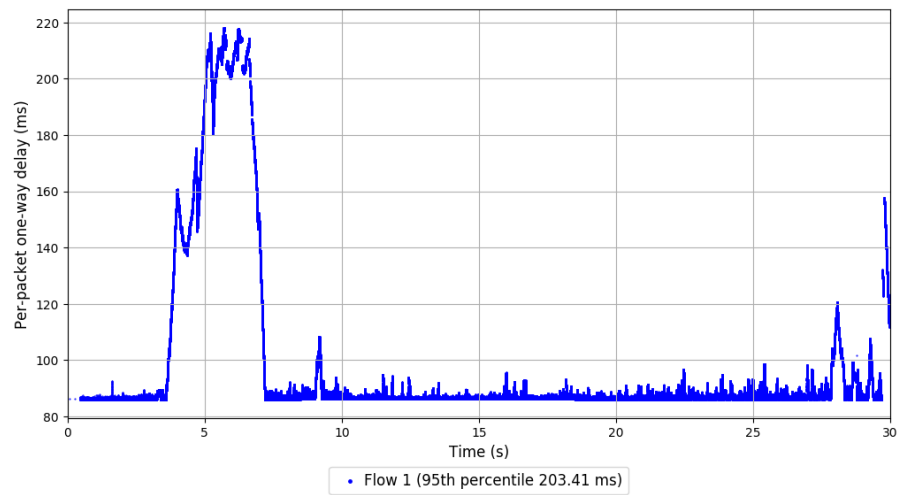
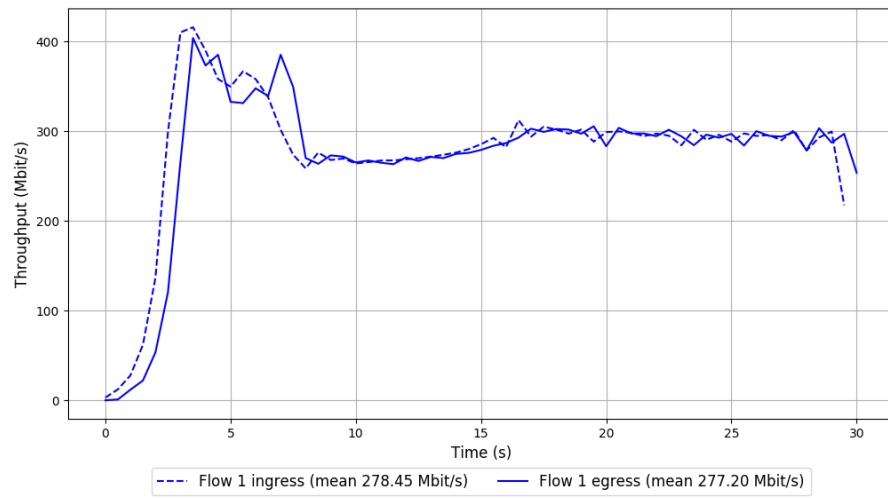


Run 5: Statistics of PCC-Expr

Start at: 2018-07-17 23:12:37
End at: 2018-07-17 23:13:07
Local clock offset: -0.462 ms
Remote clock offset: -1.801 ms

Below is generated by plot.py at 2018-07-18 02:41:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 277.20 Mbit/s
95th percentile per-packet one-way delay: 203.411 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 277.20 Mbit/s
95th percentile per-packet one-way delay: 203.411 ms
Loss rate: 0.45%

Run 5: Report of PCC-Expr — Data Link

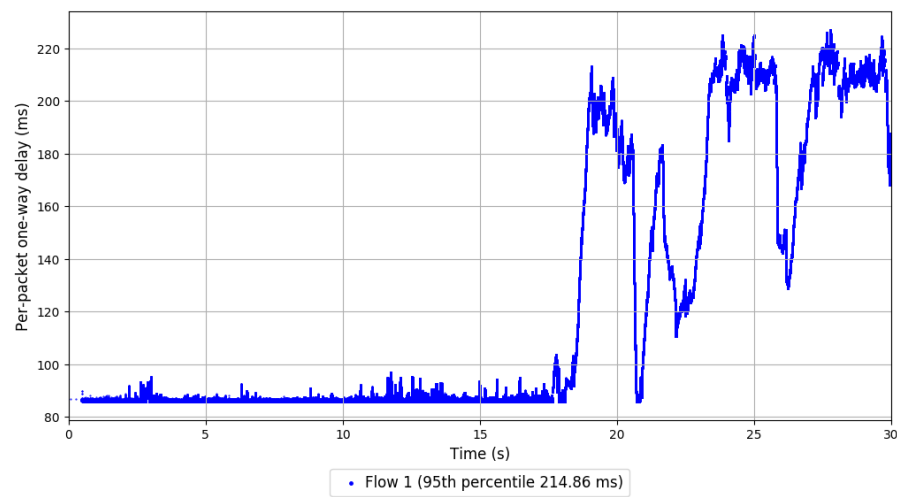
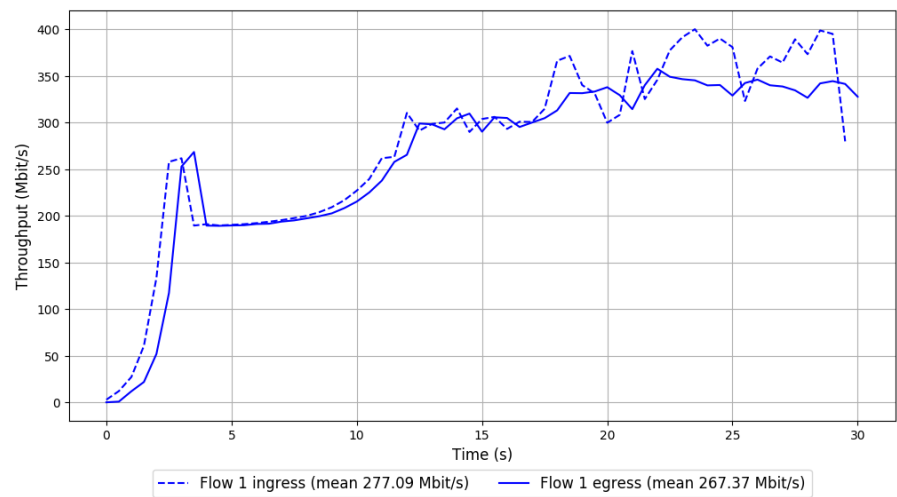


Run 6: Statistics of PCC-Expr

Start at: 2018-07-17 23:35:14
End at: 2018-07-17 23:35:44
Local clock offset: -0.035 ms
Remote clock offset: -1.233 ms

Below is generated by plot.py at 2018-07-18 02:41:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 267.37 Mbit/s
95th percentile per-packet one-way delay: 214.859 ms
Loss rate: 3.50%
-- Flow 1:
Average throughput: 267.37 Mbit/s
95th percentile per-packet one-way delay: 214.859 ms
Loss rate: 3.50%

Run 6: Report of PCC-Expr — Data Link

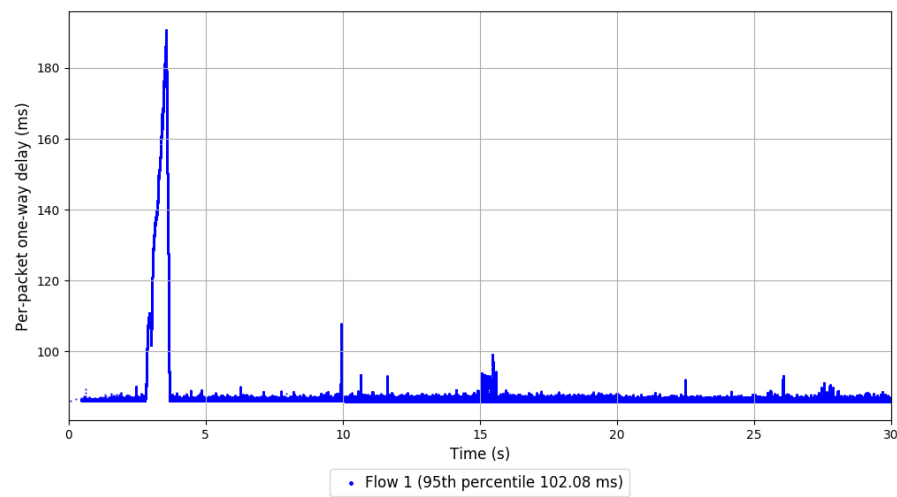
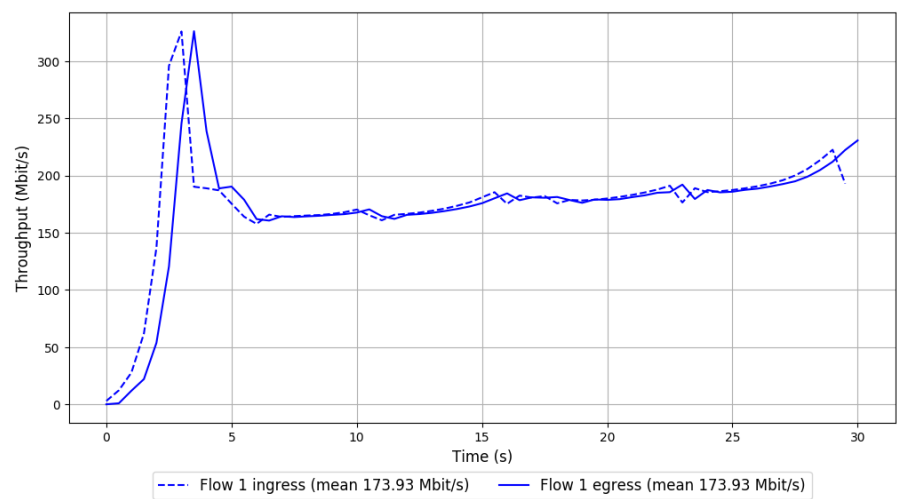


Run 7: Statistics of PCC-Expr

Start at: 2018-07-17 23:57:45
End at: 2018-07-17 23:58:15
Local clock offset: 0.017 ms
Remote clock offset: -0.359 ms

Below is generated by plot.py at 2018-07-18 02:41:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 173.93 Mbit/s
95th percentile per-packet one-way delay: 102.082 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 173.93 Mbit/s
95th percentile per-packet one-way delay: 102.082 ms
Loss rate: 0.00%

Run 7: Report of PCC-Expr — Data Link

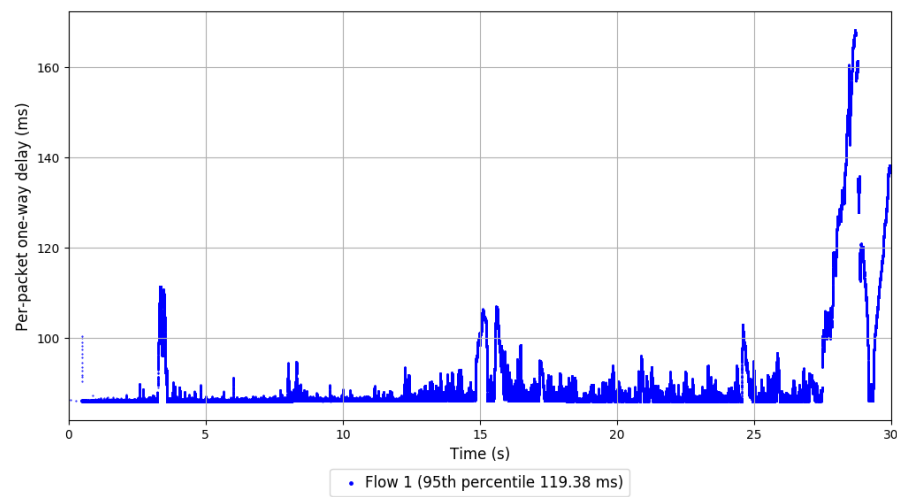
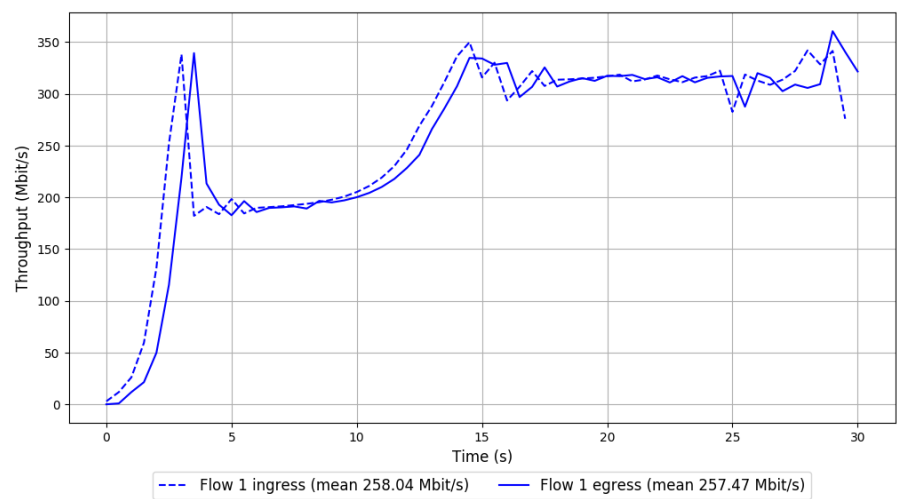


Run 8: Statistics of PCC-Expr

Start at: 2018-07-18 00:20:07
End at: 2018-07-18 00:20:37
Local clock offset: -0.264 ms
Remote clock offset: -0.279 ms

Below is generated by plot.py at 2018-07-18 02:45:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 257.47 Mbit/s
95th percentile per-packet one-way delay: 119.377 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 257.47 Mbit/s
95th percentile per-packet one-way delay: 119.377 ms
Loss rate: 0.22%

Run 8: Report of PCC-Expr — Data Link

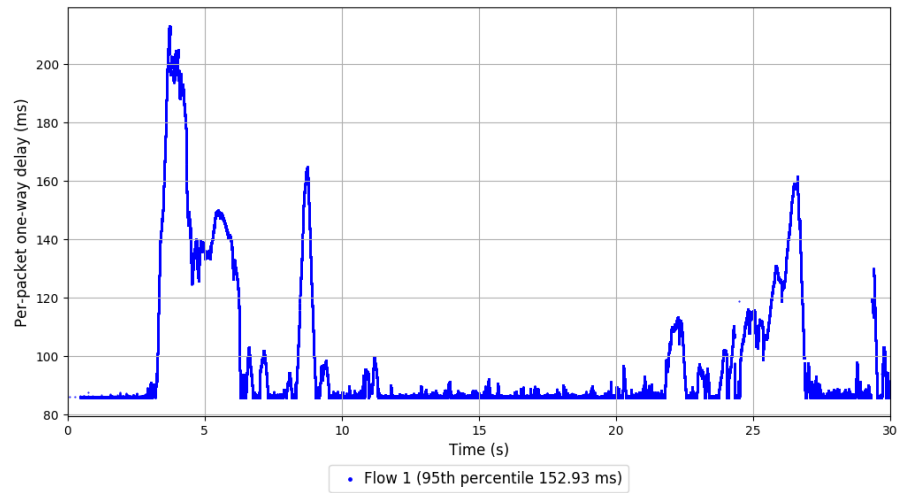
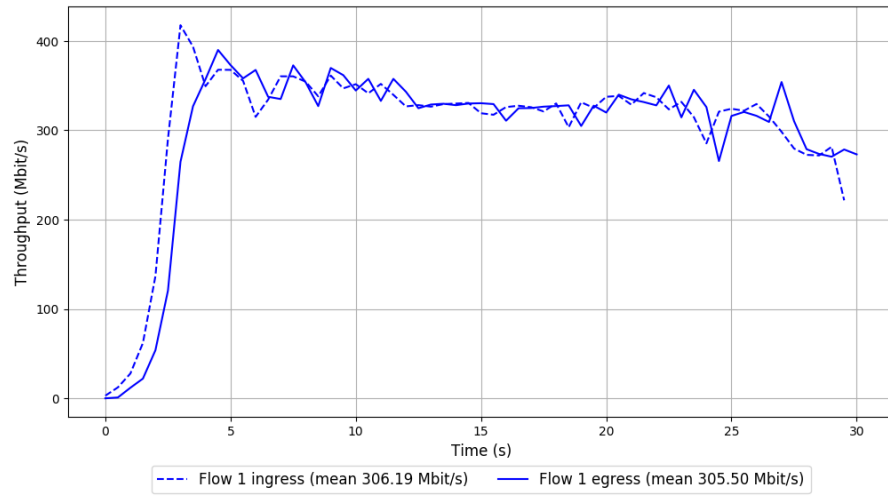


Run 9: Statistics of PCC-Expr

Start at: 2018-07-18 00:42:39
End at: 2018-07-18 00:43:09
Local clock offset: -0.094 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-07-18 02:48:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 305.50 Mbit/s
95th percentile per-packet one-way delay: 152.929 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 305.50 Mbit/s
95th percentile per-packet one-way delay: 152.929 ms
Loss rate: 0.23%

Run 9: Report of PCC-Expr — Data Link

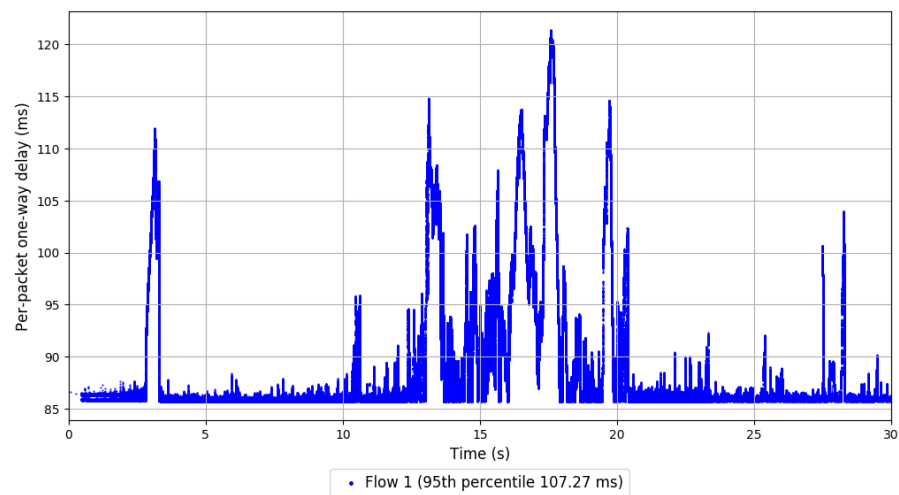
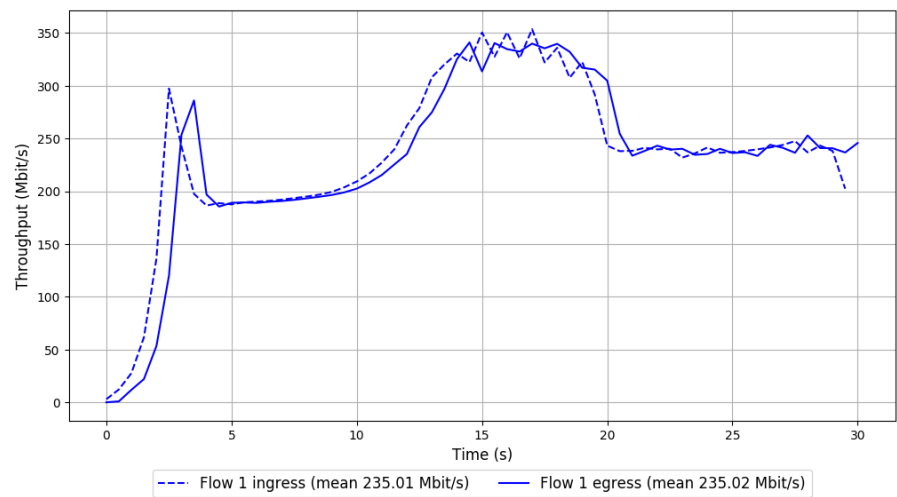


Run 10: Statistics of PCC-Expr

Start at: 2018-07-18 01:05:22
End at: 2018-07-18 01:05:52
Local clock offset: -0.073 ms
Remote clock offset: -0.154 ms

Below is generated by plot.py at 2018-07-18 02:48:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 235.02 Mbit/s
95th percentile per-packet one-way delay: 107.272 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 235.02 Mbit/s
95th percentile per-packet one-way delay: 107.272 ms
Loss rate: 0.00%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

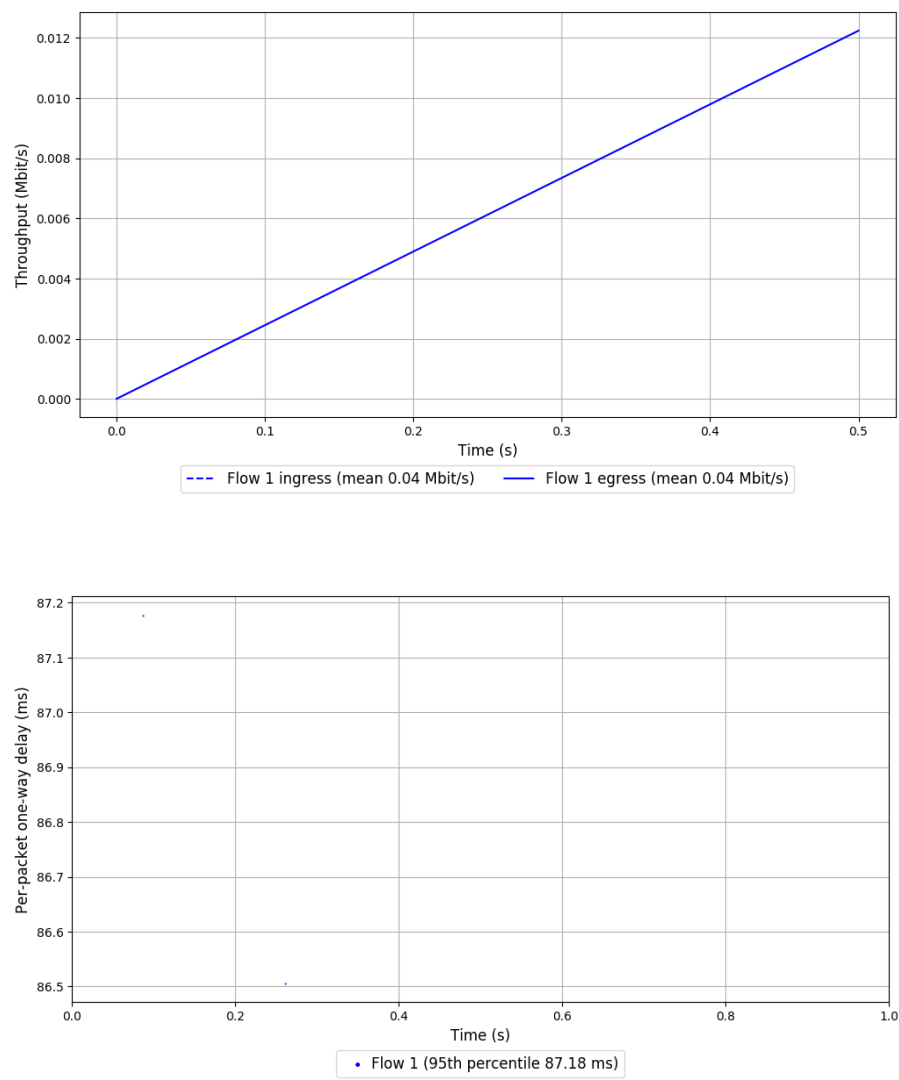
Start at: 2018-07-17 21:43:57

End at: 2018-07-17 21:44:27

Local clock offset: -0.342 ms

Remote clock offset: -2.159 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-17 22:06:25

End at: 2018-07-17 22:06:55

Local clock offset: -0.287 ms

Remote clock offset: -2.892 ms

Below is generated by plot.py at 2018-07-18 02:48:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.39 Mbit/s

95th percentile per-packet one-way delay: 86.414 ms

Loss rate: 0.00%

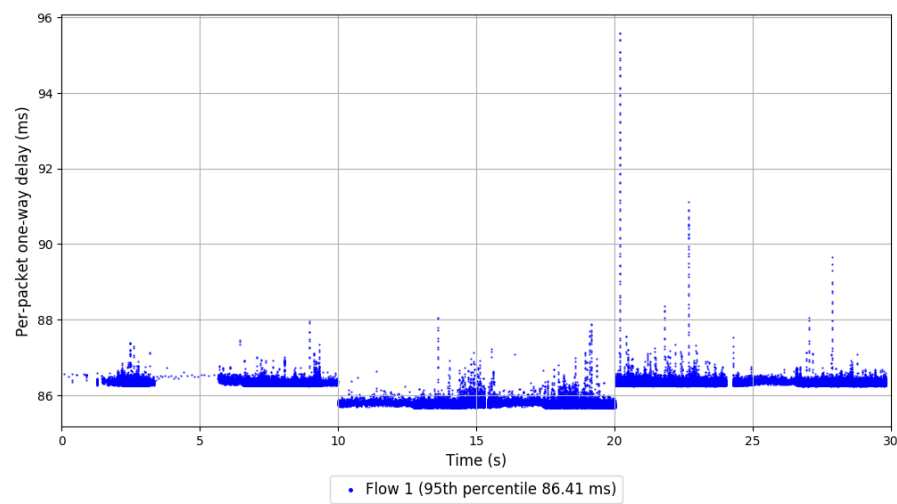
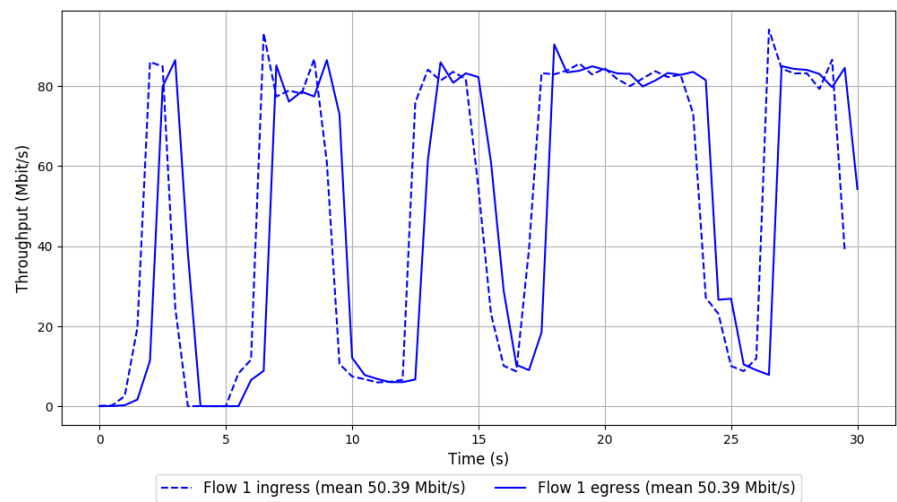
-- Flow 1:

Average throughput: 50.39 Mbit/s

95th percentile per-packet one-way delay: 86.414 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-17 22:29:05

End at: 2018-07-17 22:29:35

Local clock offset: -0.62 ms

Remote clock offset: -5.027 ms

Below is generated by plot.py at 2018-07-18 02:48:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.57 Mbit/s

95th percentile per-packet one-way delay: 86.211 ms

Loss rate: 0.01%

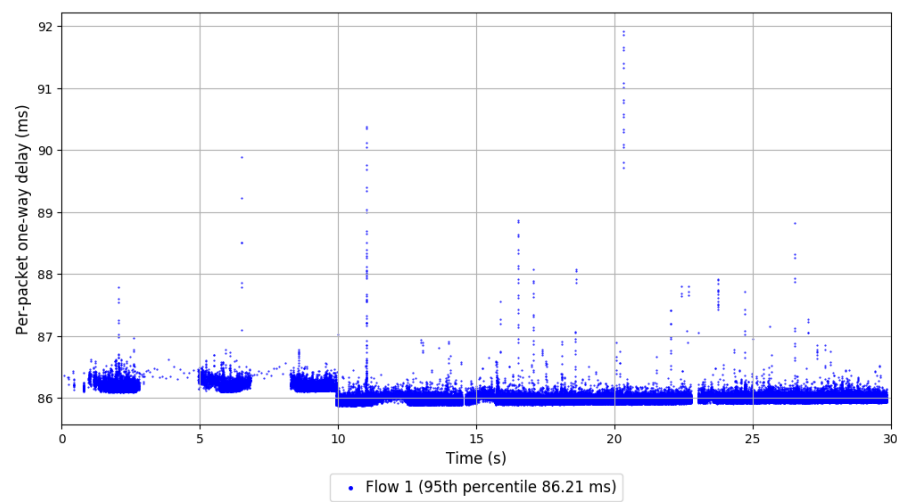
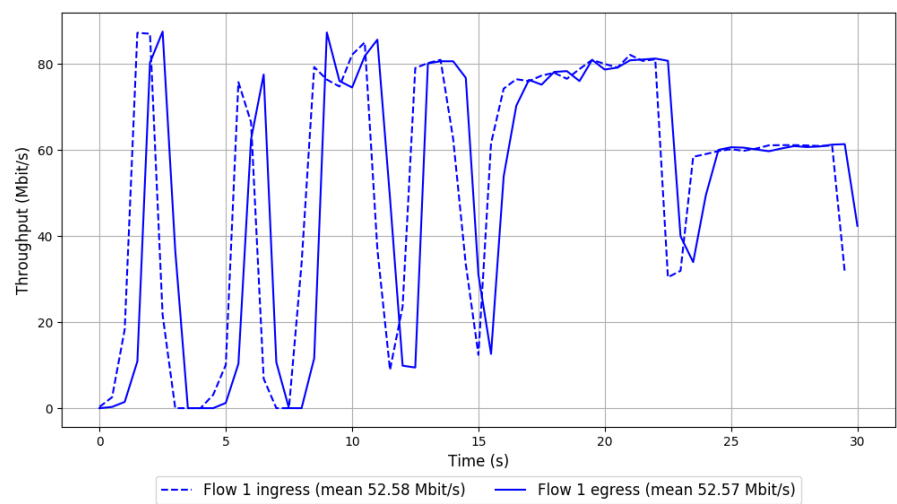
-- Flow 1:

Average throughput: 52.57 Mbit/s

95th percentile per-packet one-way delay: 86.211 ms

Loss rate: 0.01%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-17 22:51:33

End at: 2018-07-17 22:52:03

Local clock offset: -0.998 ms

Remote clock offset: -2.149 ms

Below is generated by plot.py at 2018-07-18 02:48:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.30 Mbit/s

95th percentile per-packet one-way delay: 86.308 ms

Loss rate: 0.00%

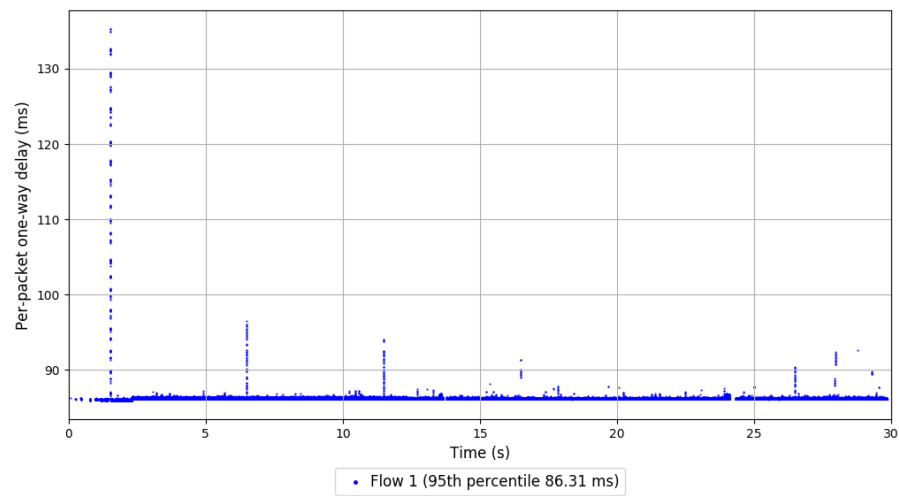
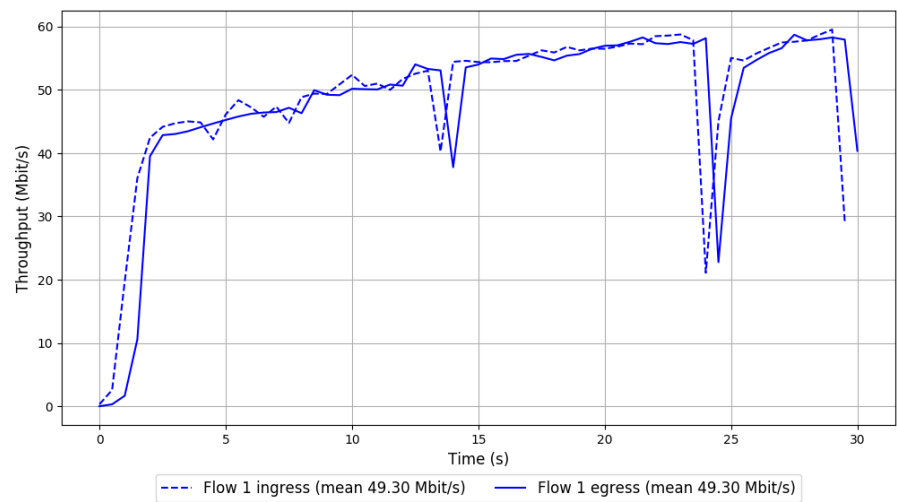
-- Flow 1:

Average throughput: 49.30 Mbit/s

95th percentile per-packet one-way delay: 86.308 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link

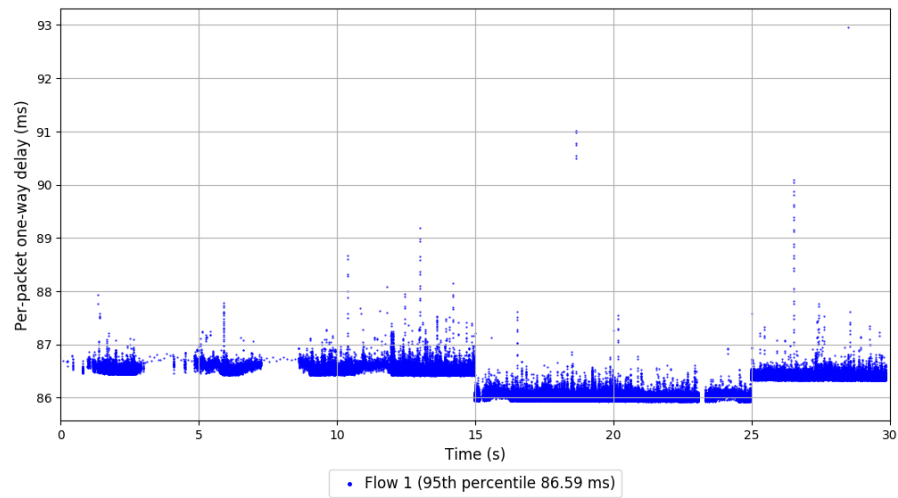
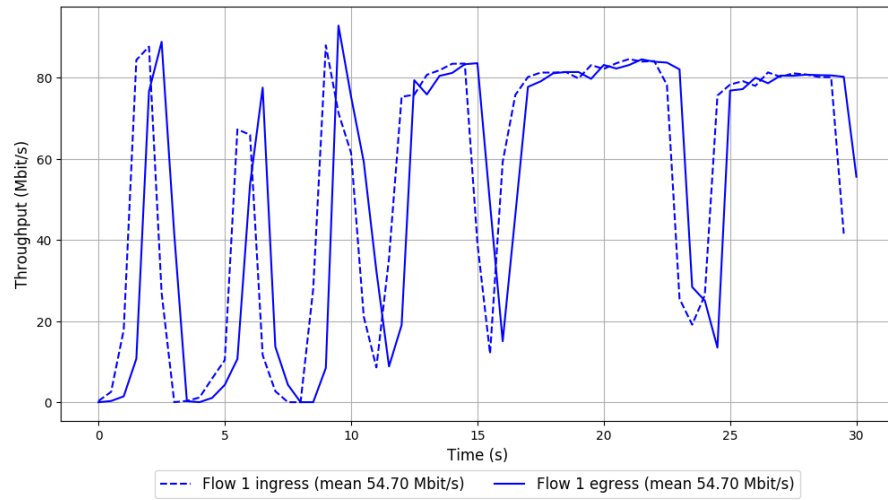


Run 5: Statistics of QUIC Cubic

Start at: 2018-07-17 23:14:10
End at: 2018-07-17 23:14:40
Local clock offset: -0.316 ms
Remote clock offset: -1.615 ms

Below is generated by plot.py at 2018-07-18 02:48:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 54.70 Mbit/s
95th percentile per-packet one-way delay: 86.592 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.70 Mbit/s
95th percentile per-packet one-way delay: 86.592 ms
Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-17 23:36:46

End at: 2018-07-17 23:37:16

Local clock offset: 0.124 ms

Remote clock offset: -1.268 ms

Below is generated by plot.py at 2018-07-18 02:48:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.75 Mbit/s

95th percentile per-packet one-way delay: 86.144 ms

Loss rate: 0.00%

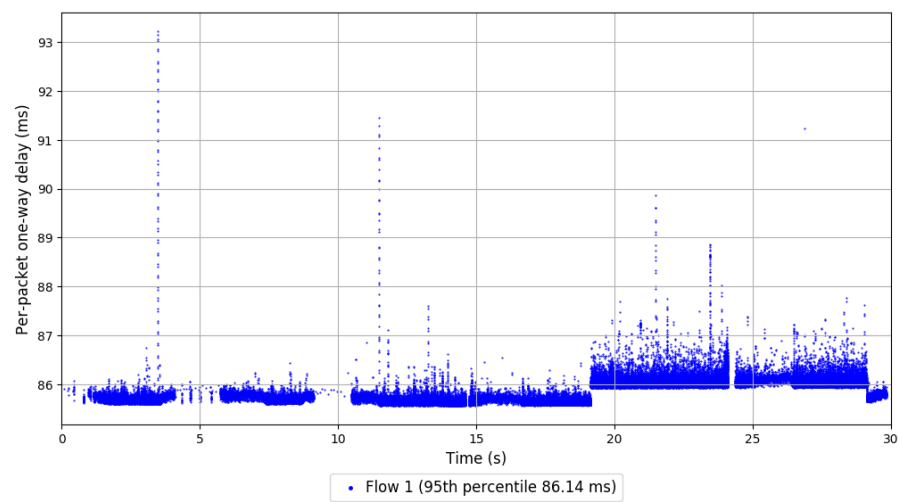
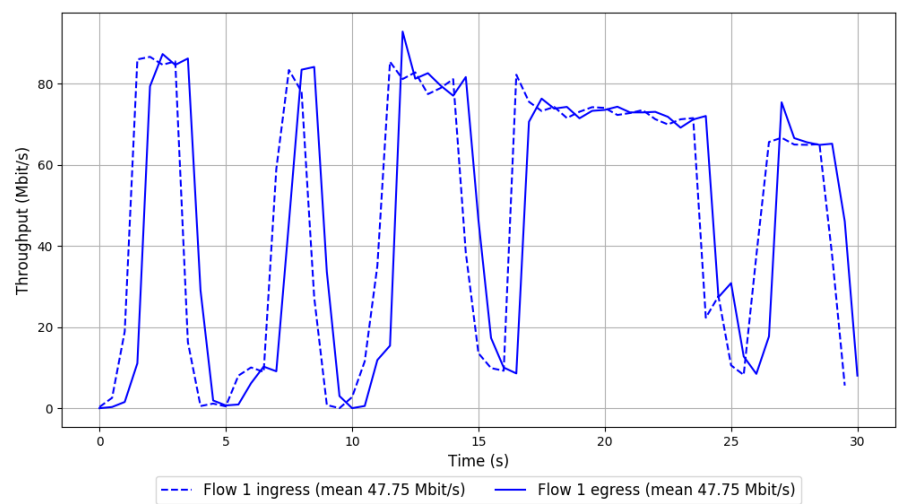
-- Flow 1:

Average throughput: 47.75 Mbit/s

95th percentile per-packet one-way delay: 86.144 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

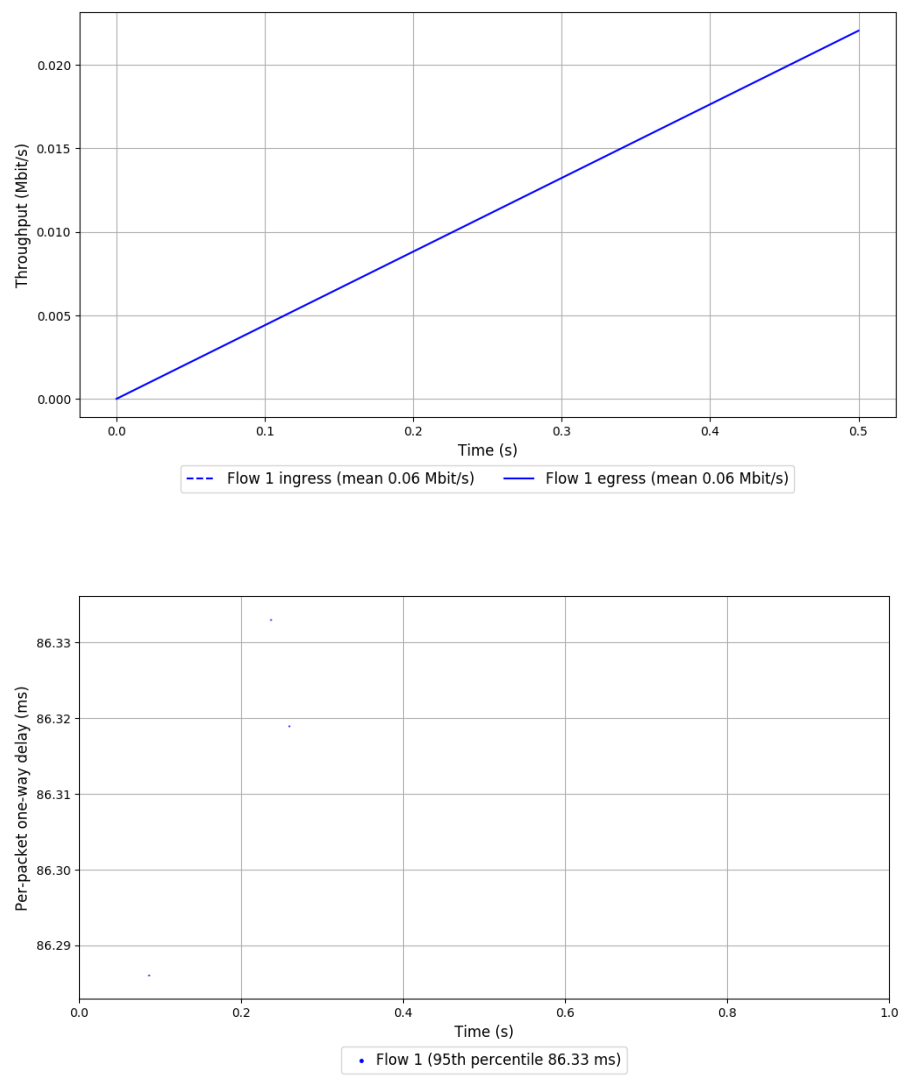
Start at: 2018-07-17 23:59:09

End at: 2018-07-17 23:59:39

Local clock offset: -0.127 ms

Remote clock offset: -0.405 ms

Run 7: Report of QUIC Cubic — Data Link

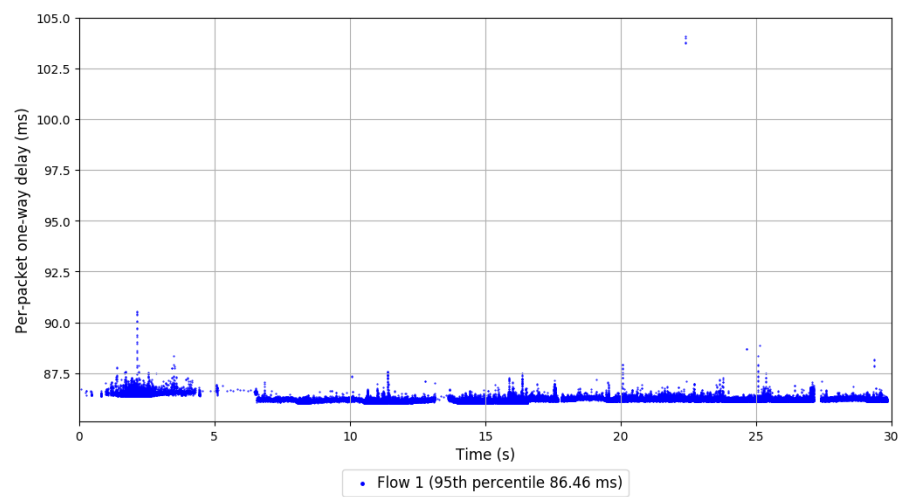
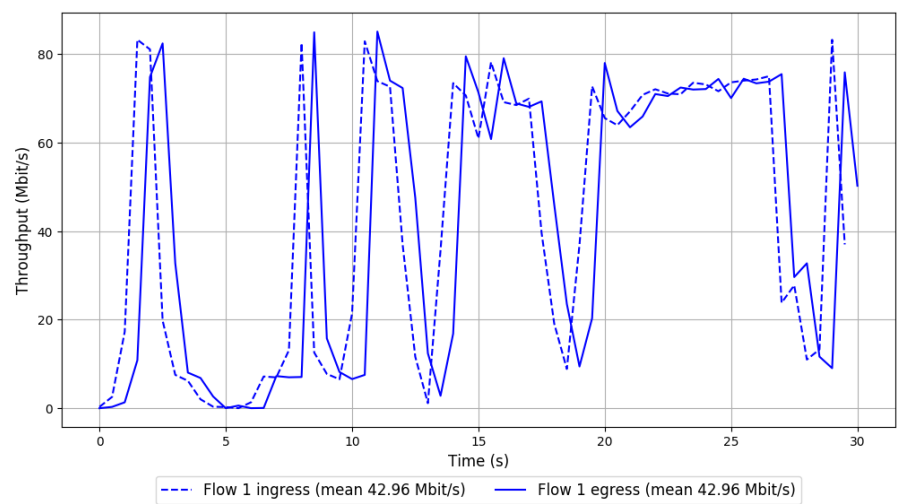


Run 8: Statistics of QUIC Cubic

Start at: 2018-07-18 00:21:39
End at: 2018-07-18 00:22:09
Local clock offset: -0.235 ms
Remote clock offset: -0.204 ms

Below is generated by plot.py at 2018-07-18 02:48:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 42.96 Mbit/s
95th percentile per-packet one-way delay: 86.456 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.96 Mbit/s
95th percentile per-packet one-way delay: 86.456 ms
Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link

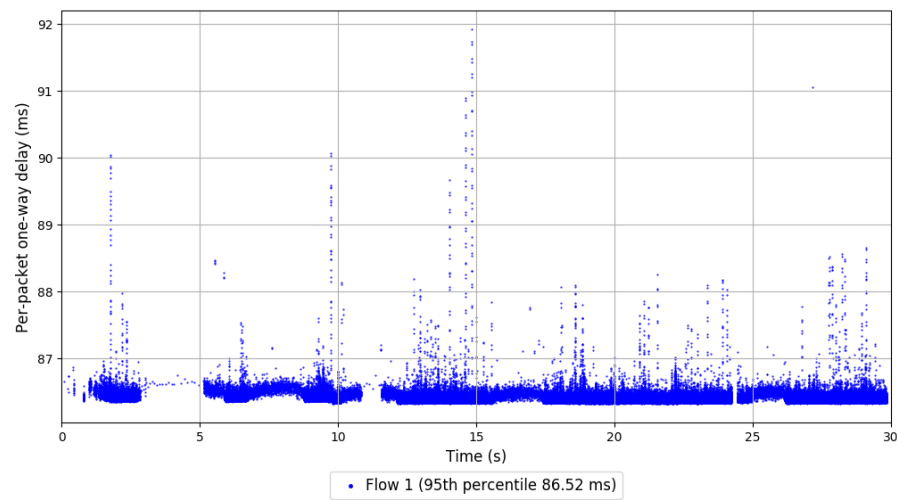
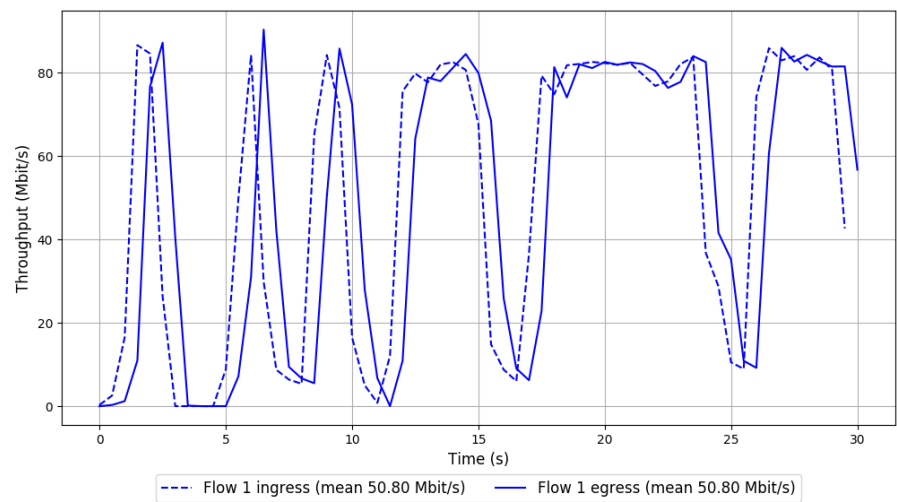


Run 9: Statistics of QUIC Cubic

Start at: 2018-07-18 00:44:15
End at: 2018-07-18 00:44:46
Local clock offset: -0.123 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-07-18 02:48:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.80 Mbit/s
95th percentile per-packet one-way delay: 86.524 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.80 Mbit/s
95th percentile per-packet one-way delay: 86.524 ms
Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

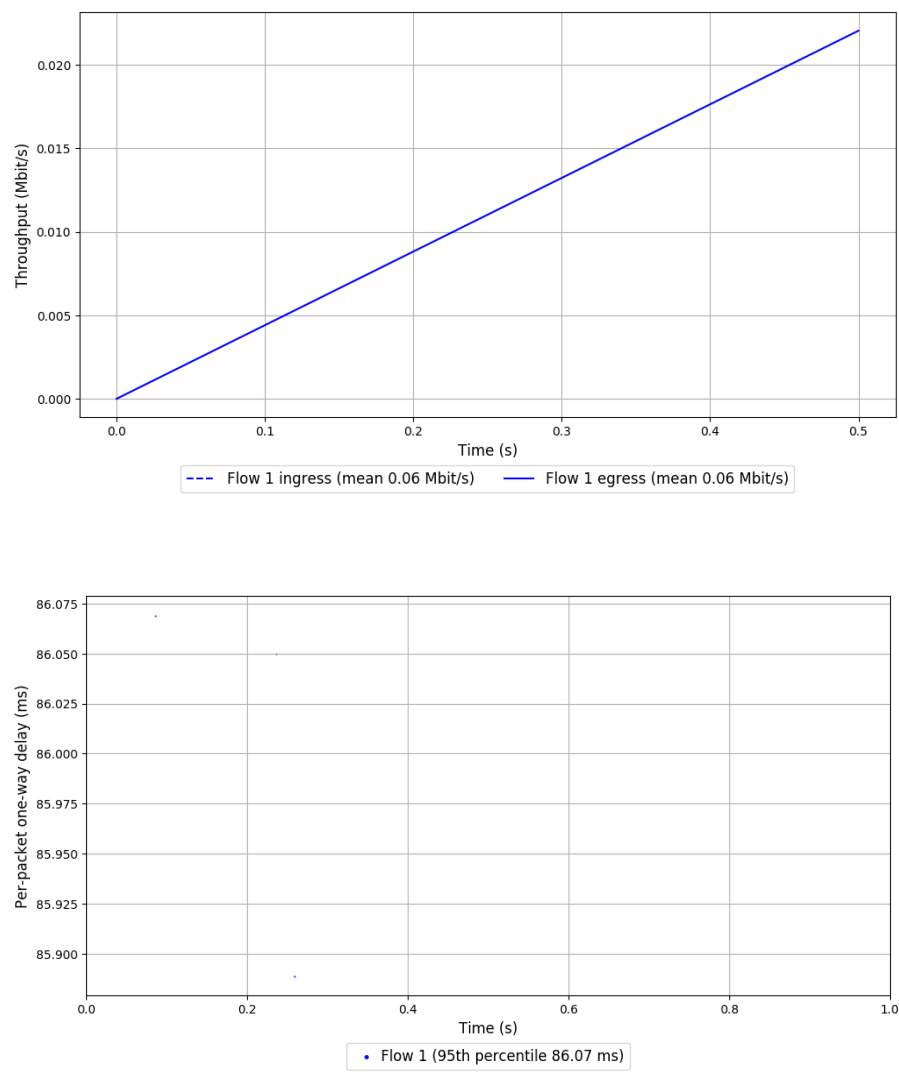
Start at: 2018-07-18 01:06:52

End at: 2018-07-18 01:07:22

Local clock offset: -0.158 ms

Remote clock offset: -0.108 ms

Run 10: Report of QUIC Cubic — Data Link

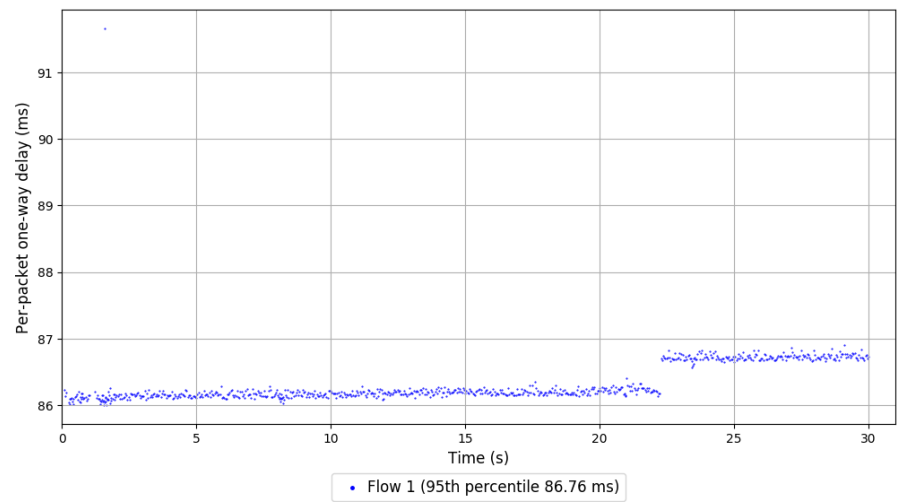
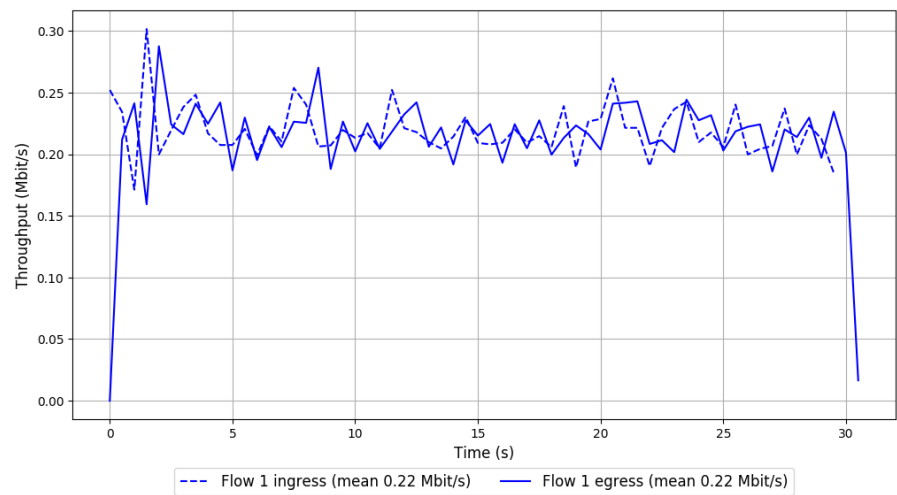


```
Run 1: Statistics of SCReAM

Start at: 2018-07-17 21:36:53
End at: 2018-07-17 21:37:23
Local clock offset: -0.319 ms
Remote clock offset: -1.33 ms

# Below is generated by plot.py at 2018-07-18 02:48:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.759 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.759 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

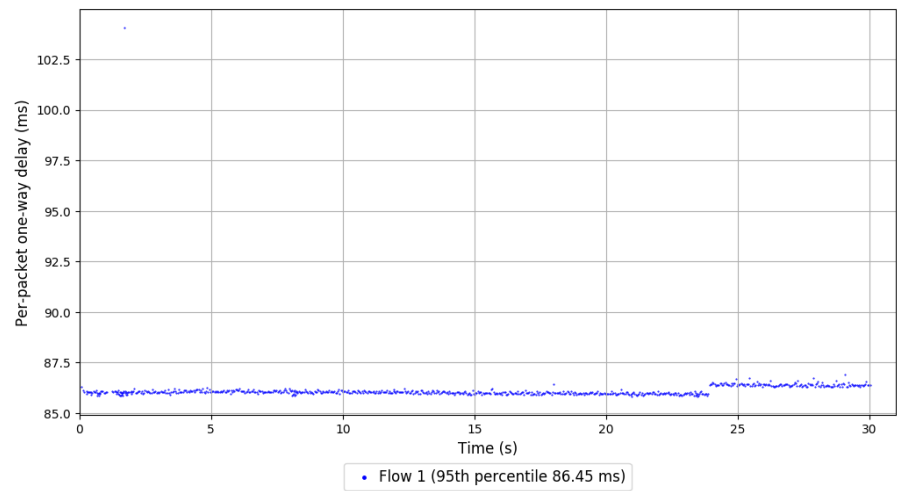
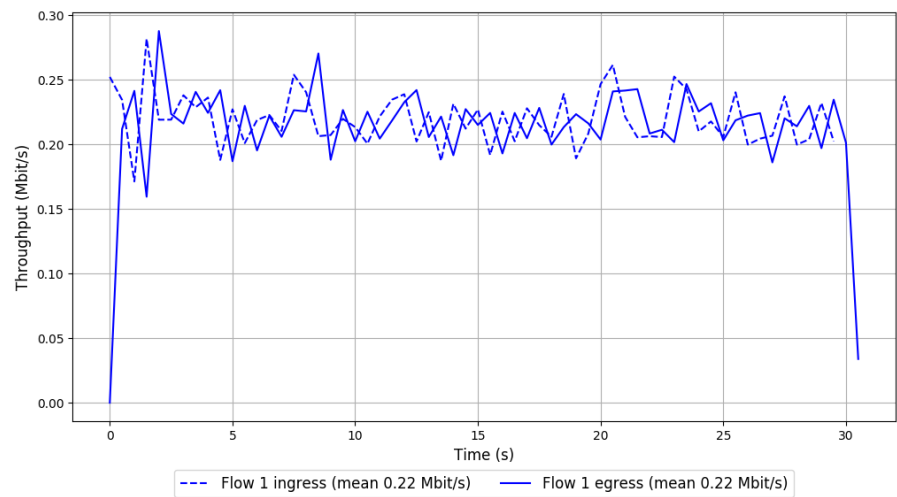


Run 2: Statistics of SCReAM

Start at: 2018-07-17 21:59:11
End at: 2018-07-17 21:59:42
Local clock offset: -0.172 ms
Remote clock offset: -3.796 ms

Below is generated by plot.py at 2018-07-18 02:48:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.446 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.446 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

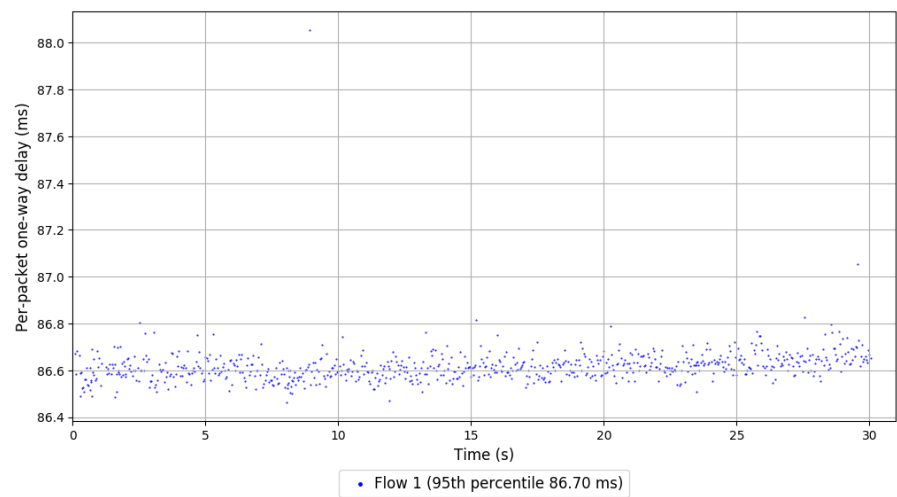
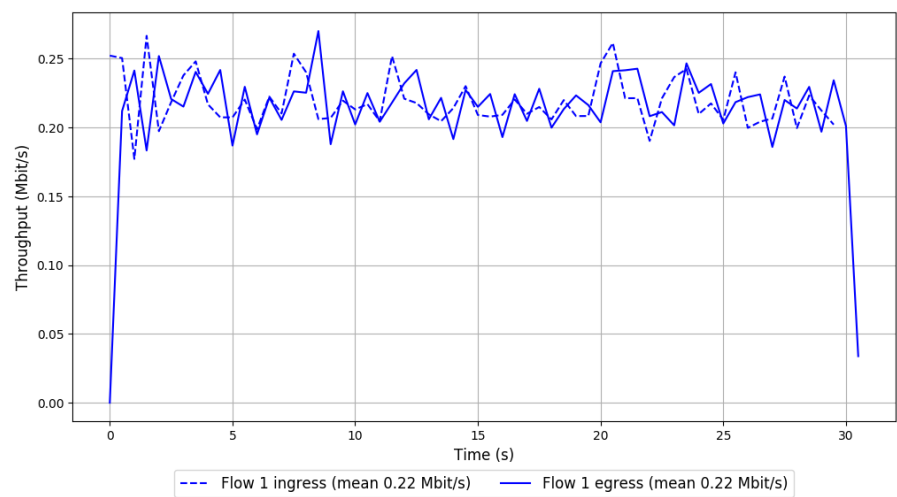


Run 3: Statistics of SCReAM

Start at: 2018-07-17 22:22:00
End at: 2018-07-17 22:22:30
Local clock offset: -0.835 ms
Remote clock offset: -4.073 ms

Below is generated by plot.py at 2018-07-18 02:48:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.705 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.705 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

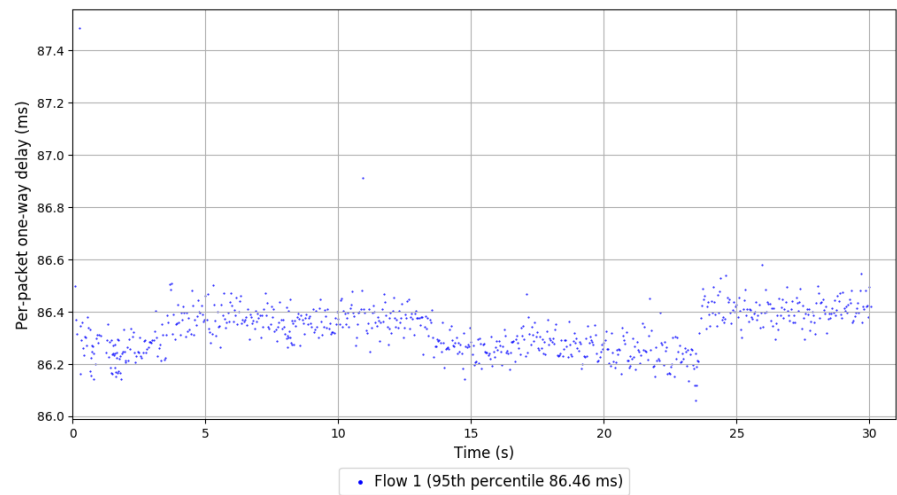
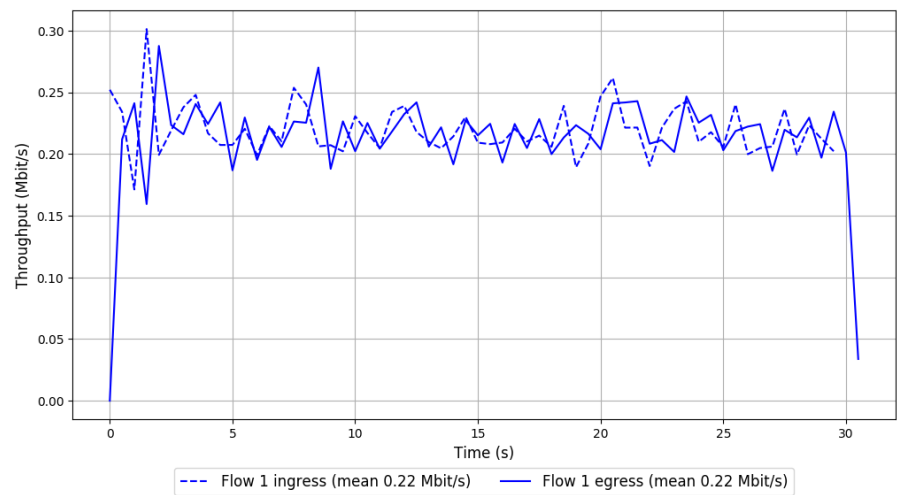


Run 4: Statistics of SCReAM

Start at: 2018-07-17 22:44:32
End at: 2018-07-17 22:45:02
Local clock offset: -1.051 ms
Remote clock offset: -2.529 ms

Below is generated by plot.py at 2018-07-18 02:48:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.459 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.459 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

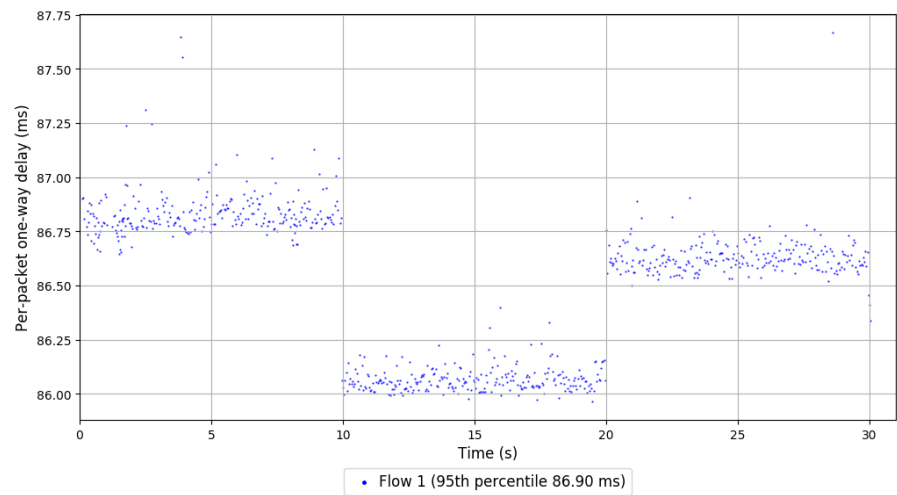
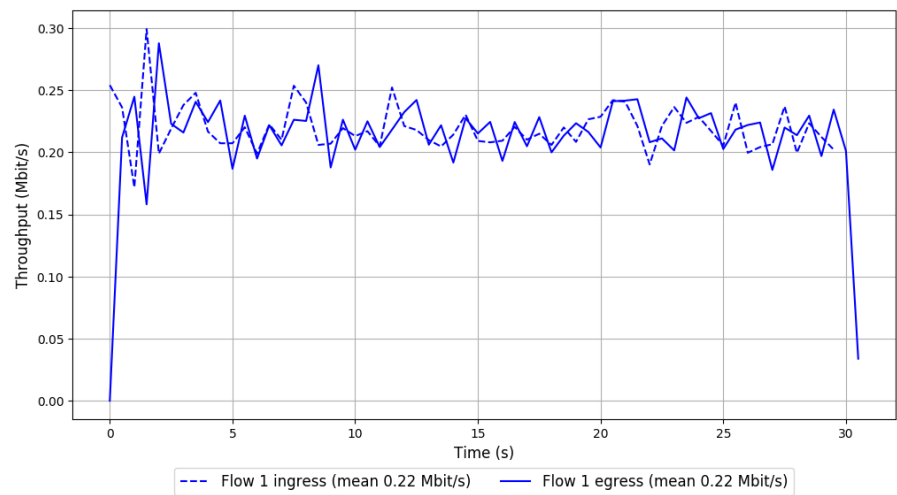


Run 5: Statistics of SCReAM

Start at: 2018-07-17 23:06:55
End at: 2018-07-17 23:07:25
Local clock offset: -0.434 ms
Remote clock offset: -2.884 ms

Below is generated by plot.py at 2018-07-18 02:48:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.901 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.901 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

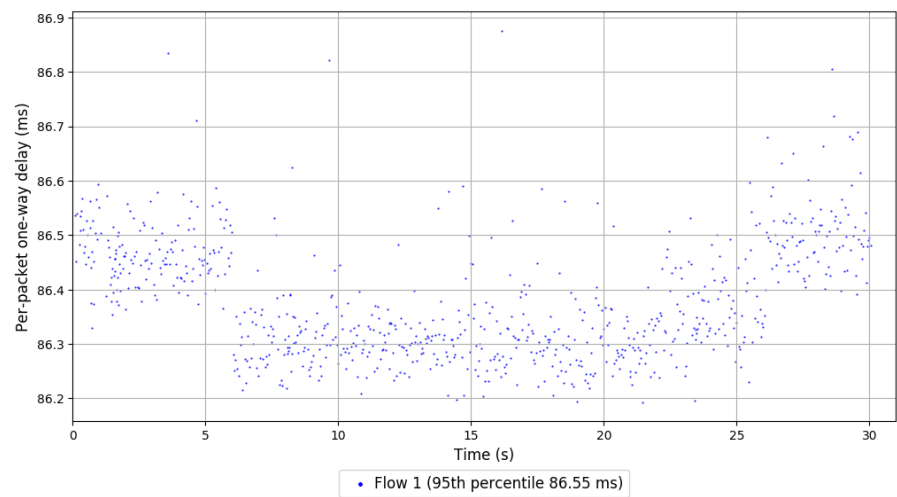
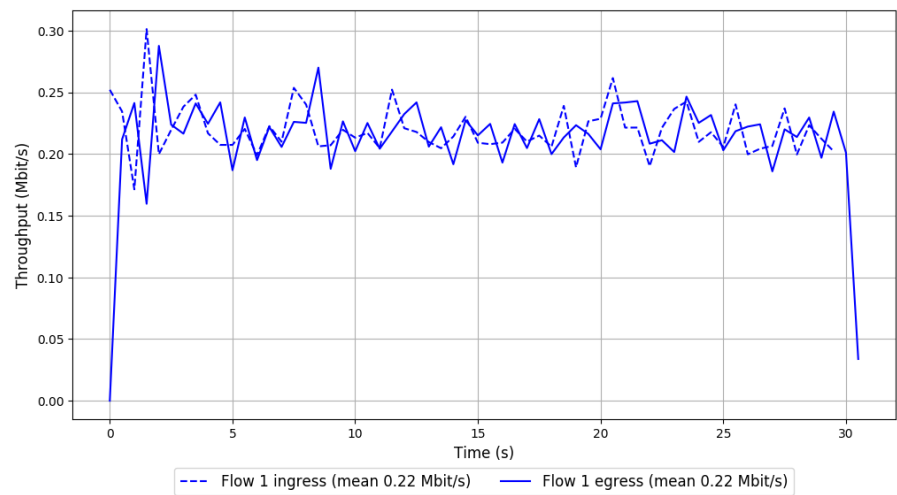


Run 6: Statistics of SCReAM

Start at: 2018-07-17 23:29:39
End at: 2018-07-17 23:30:09
Local clock offset: -0.157 ms
Remote clock offset: -1.058 ms

Below is generated by plot.py at 2018-07-18 02:48:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.554 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.554 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

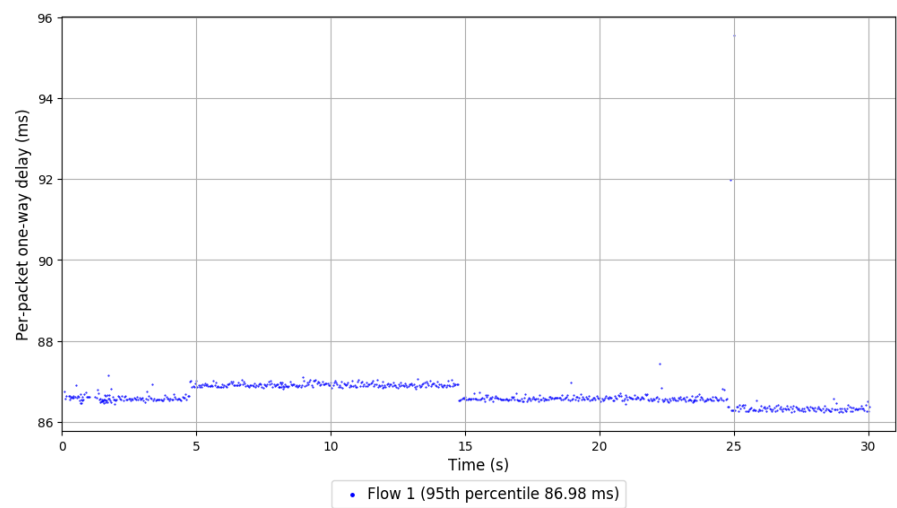
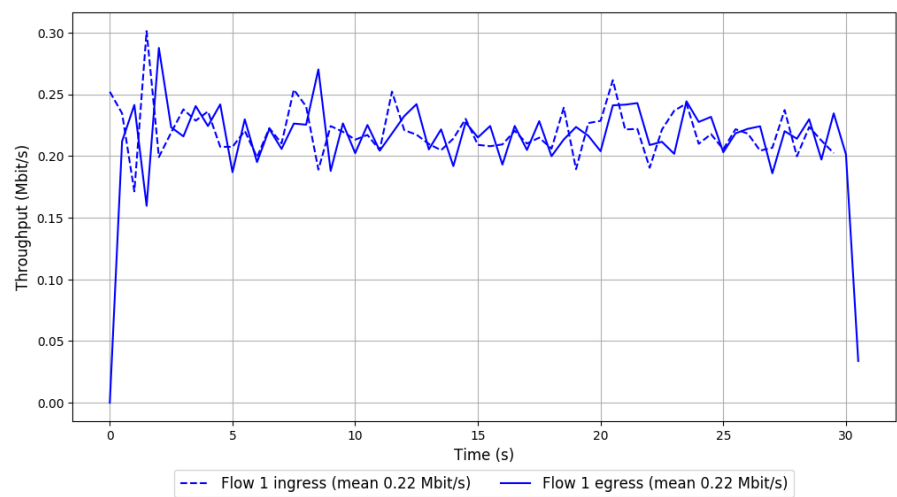


Run 7: Statistics of SCReAM

Start at: 2018-07-17 23:52:11
End at: 2018-07-17 23:52:41
Local clock offset: -0.364 ms
Remote clock offset: -0.519 ms

Below is generated by plot.py at 2018-07-18 02:48:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.981 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.981 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

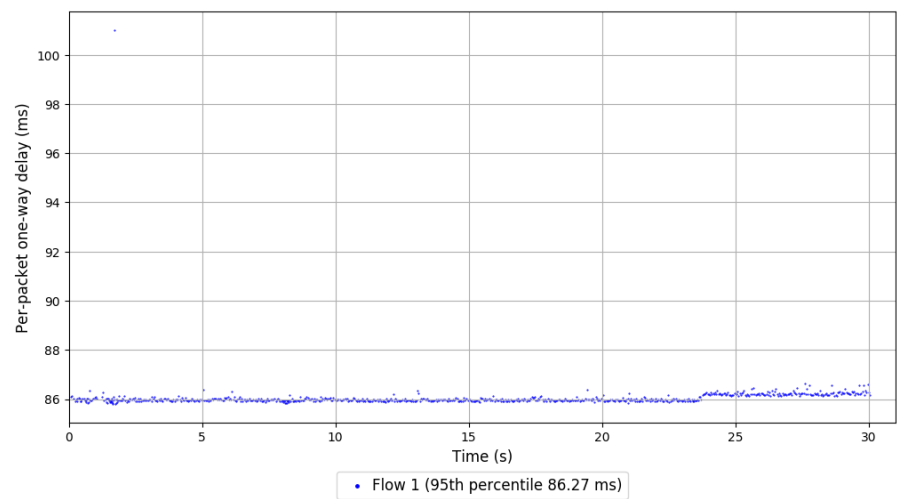
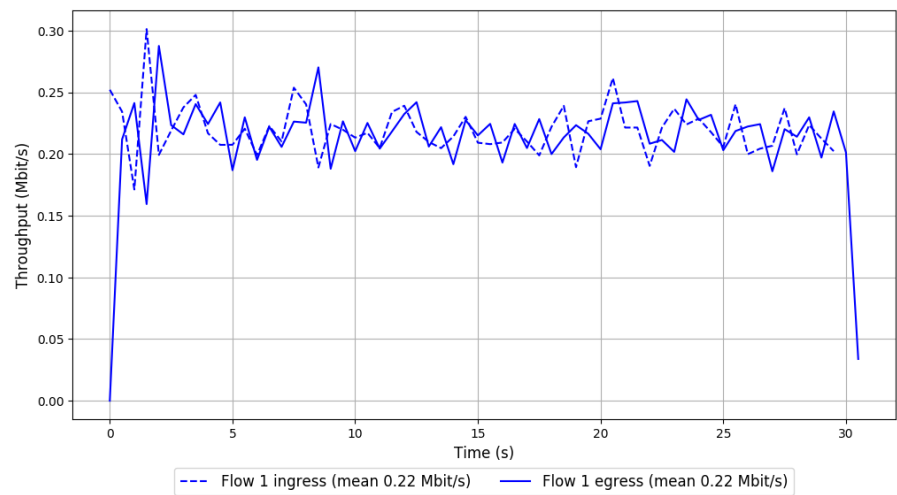


Run 8: Statistics of SCReAM

Start at: 2018-07-18 00:14:32
End at: 2018-07-18 00:15:02
Local clock offset: -0.059 ms
Remote clock offset: -0.381 ms

Below is generated by plot.py at 2018-07-18 02:48:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.265 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.265 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

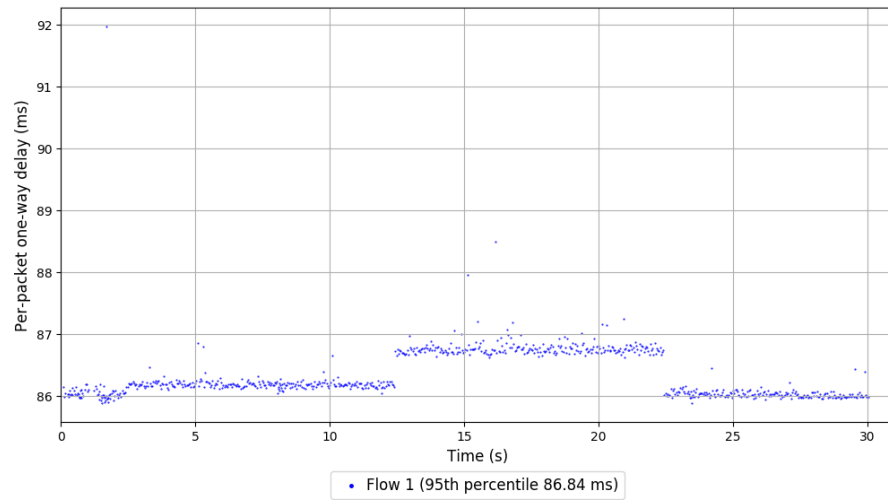
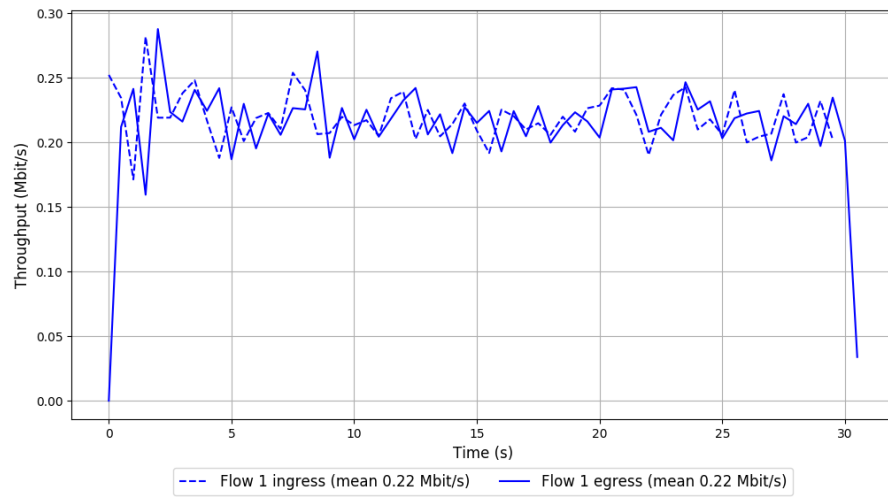


Run 9: Statistics of SCReAM

Start at: 2018-07-18 00:37:03
End at: 2018-07-18 00:37:33
Local clock offset: -0.057 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-07-18 02:48:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.836 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.836 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-07-18 00:59:42

End at: 2018-07-18 01:00:12

Local clock offset: -0.02 ms

Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-07-18 02:48:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.582 ms

Loss rate: 0.00%

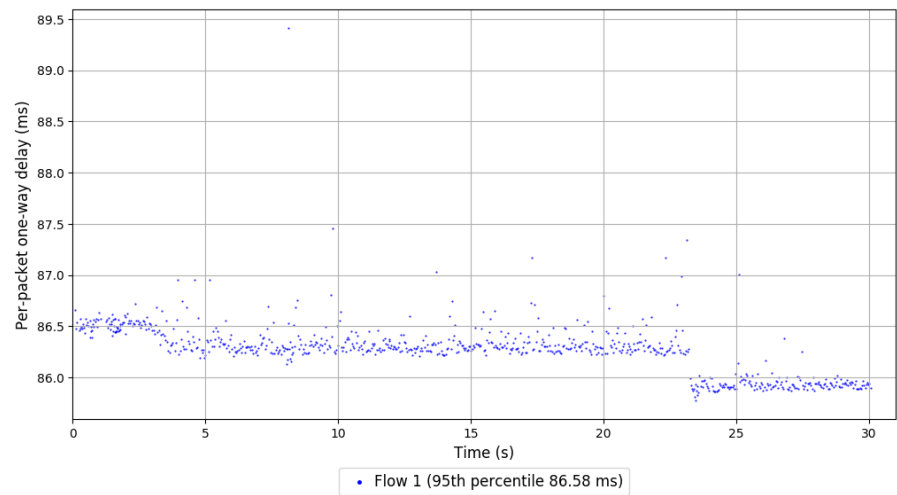
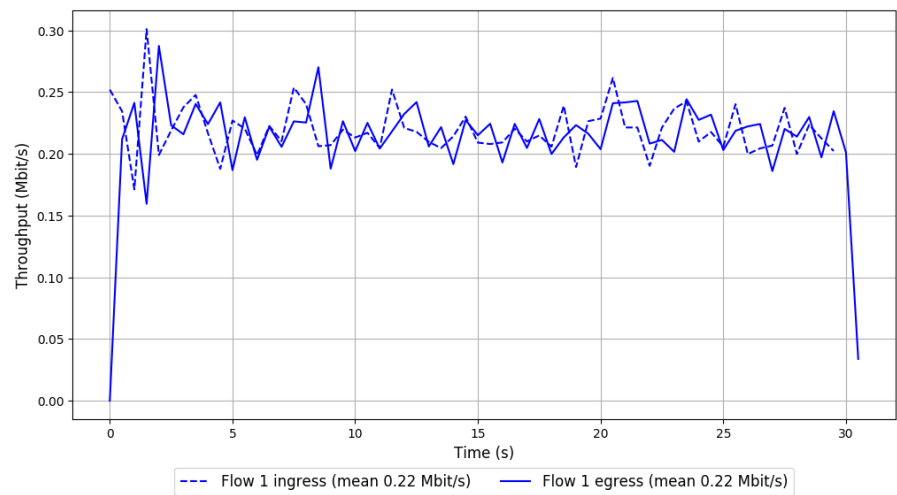
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.582 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

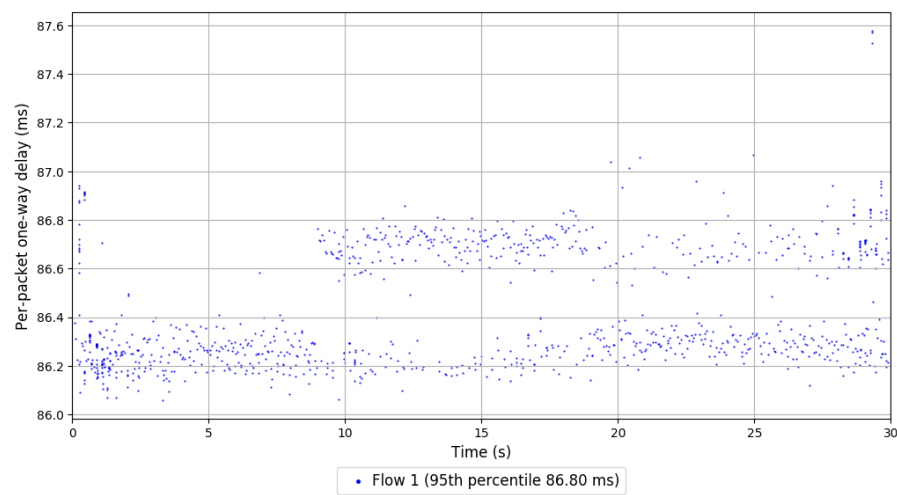
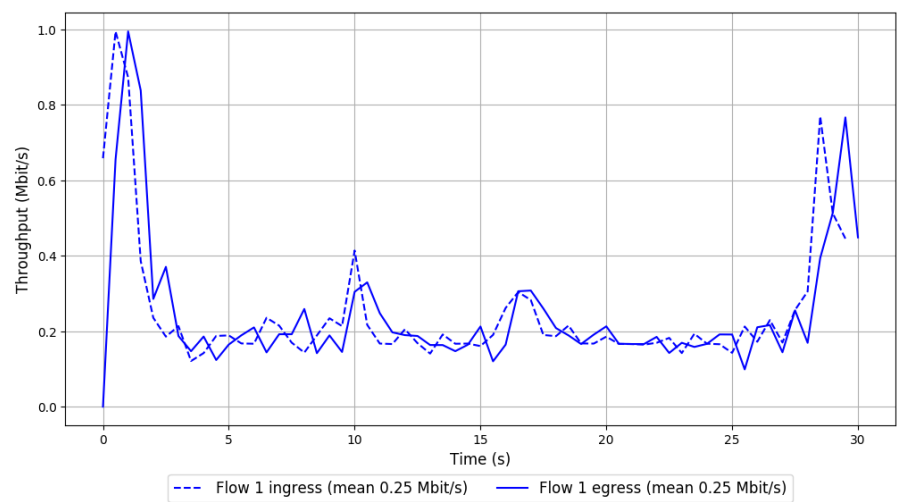


Run 1: Statistics of Sprout

Start at: 2018-07-17 21:48:56
End at: 2018-07-17 21:49:26
Local clock offset: -0.418 ms
Remote clock offset: -2.053 ms

Below is generated by plot.py at 2018-07-18 02:48:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 86.801 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 86.801 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

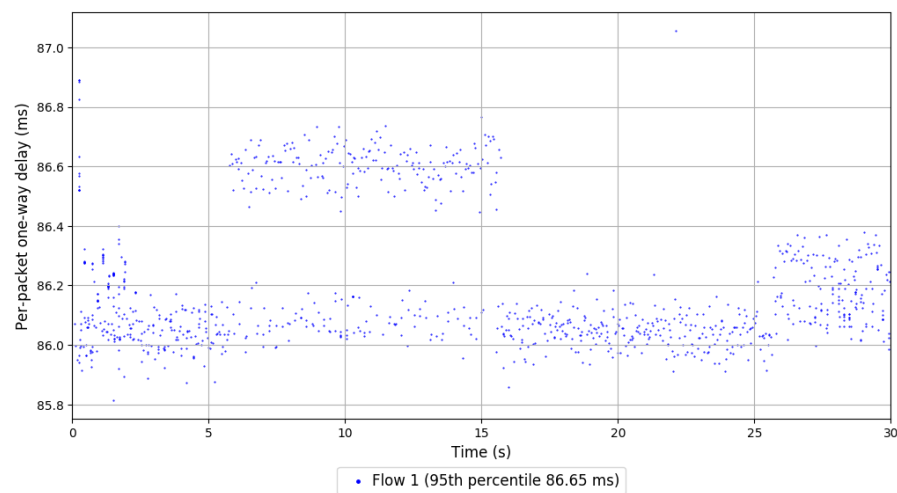
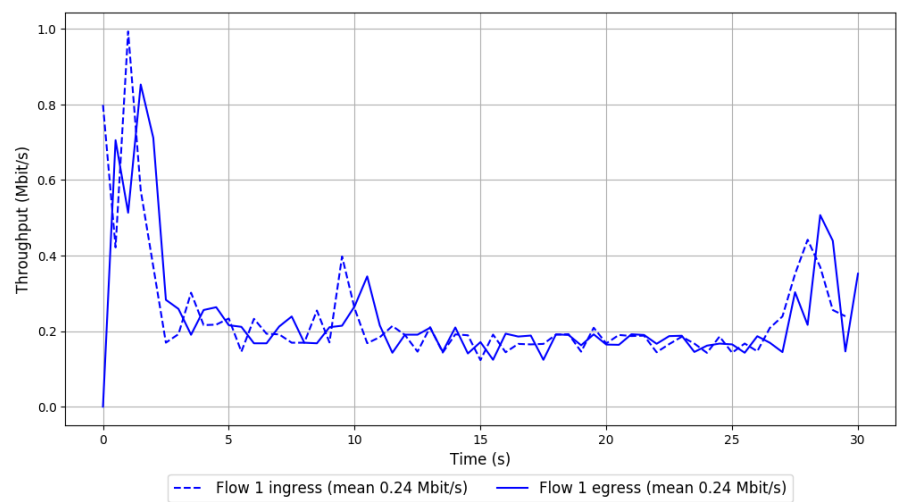


Run 2: Statistics of Sprout

Start at: 2018-07-17 22:11:40
End at: 2018-07-17 22:12:10
Local clock offset: -0.404 ms
Remote clock offset: -3.071 ms

Below is generated by plot.py at 2018-07-18 02:48:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 86.647 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 86.647 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

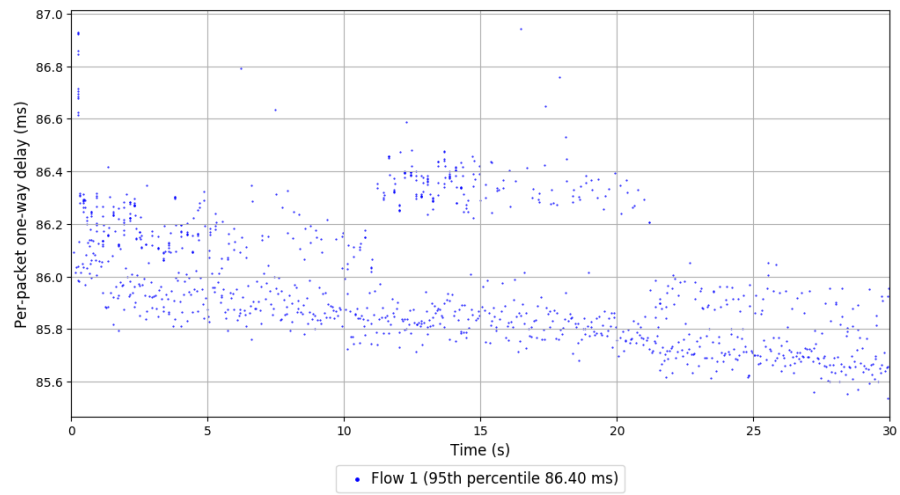
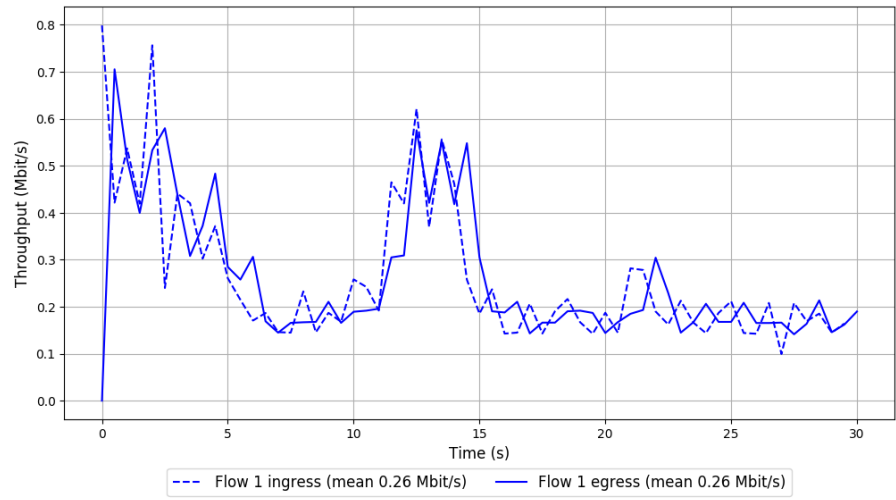


Run 3: Statistics of Sprout

Start at: 2018-07-17 22:34:14
End at: 2018-07-17 22:34:44
Local clock offset: -0.752 ms
Remote clock offset: -5.391 ms

Below is generated by plot.py at 2018-07-18 02:48:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 86.396 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 86.396 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

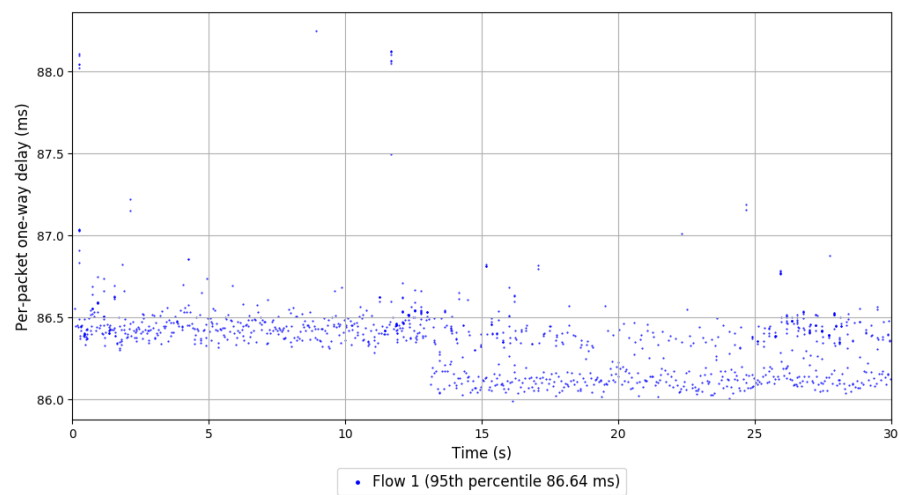
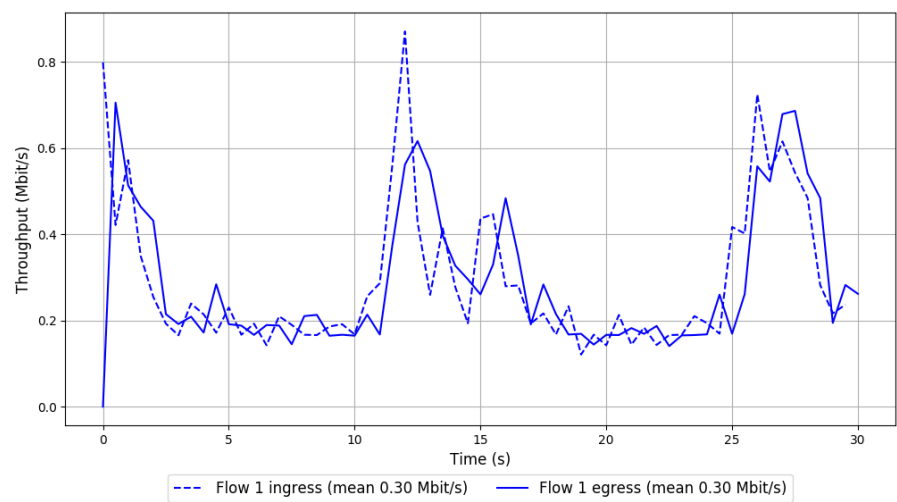


Run 4: Statistics of Sprout

Start at: 2018-07-17 22:56:42
End at: 2018-07-17 22:57:12
Local clock offset: -0.872 ms
Remote clock offset: -2.284 ms

Below is generated by plot.py at 2018-07-18 02:48:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 86.640 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 86.640 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

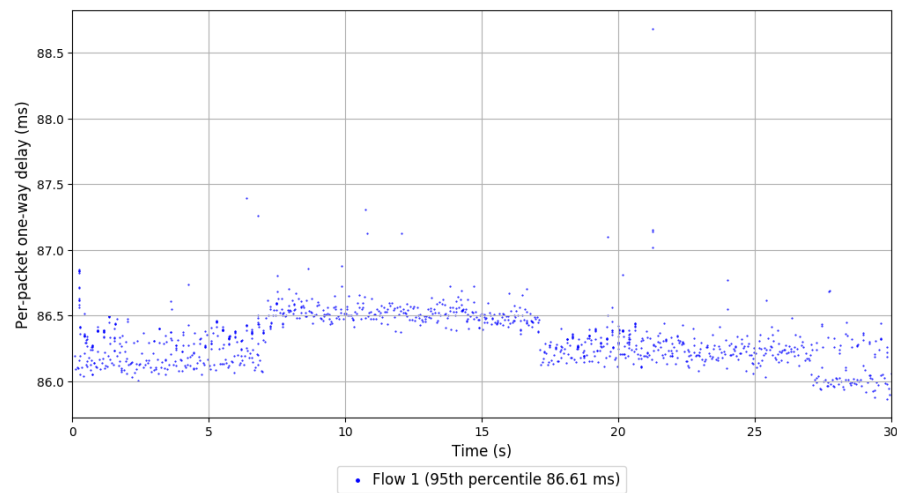
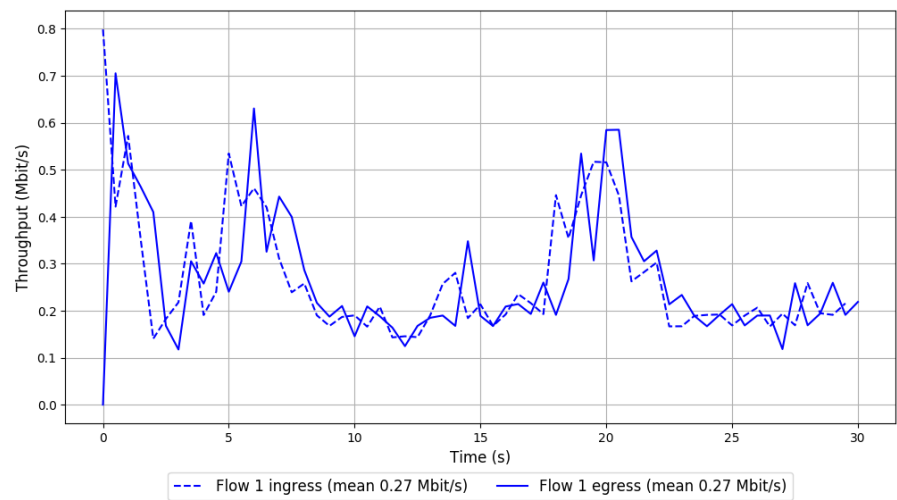


Run 5: Statistics of Sprout

Start at: 2018-07-17 23:19:18
End at: 2018-07-17 23:19:48
Local clock offset: -0.132 ms
Remote clock offset: -1.201 ms

Below is generated by plot.py at 2018-07-18 02:48:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 86.609 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 86.609 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

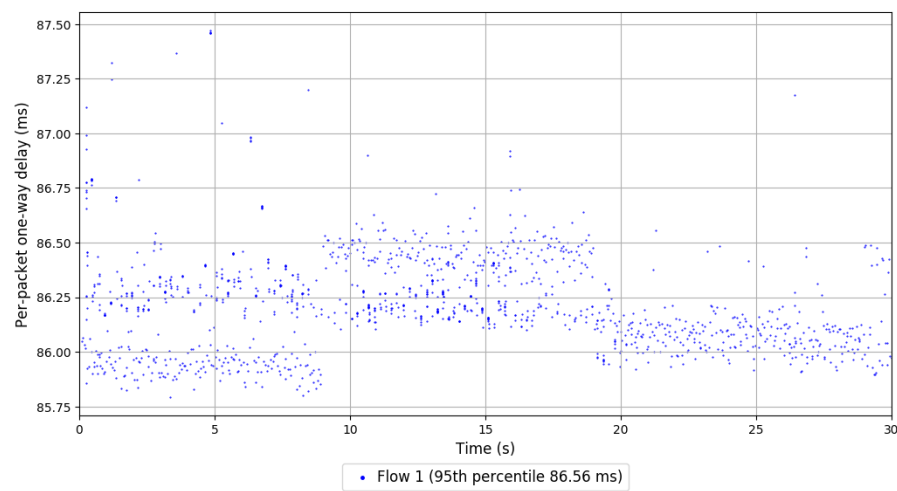
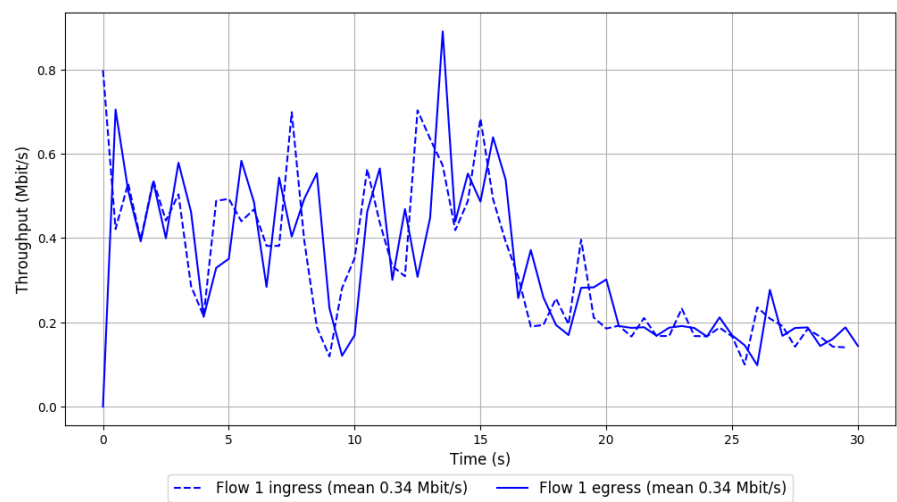


Run 6: Statistics of Sprout

Start at: 2018-07-17 23:41:56
End at: 2018-07-17 23:42:26
Local clock offset: -0.002 ms
Remote clock offset: -1.398 ms

Below is generated by plot.py at 2018-07-18 02:48:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 86.555 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 86.555 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

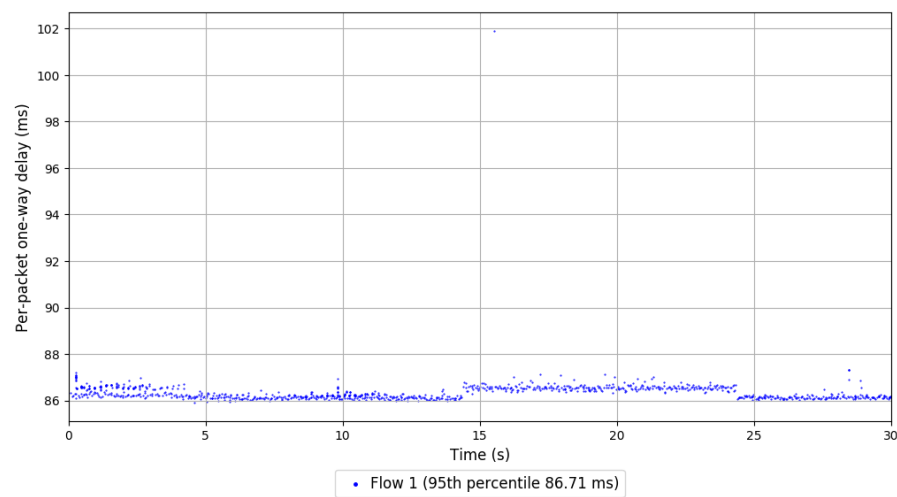
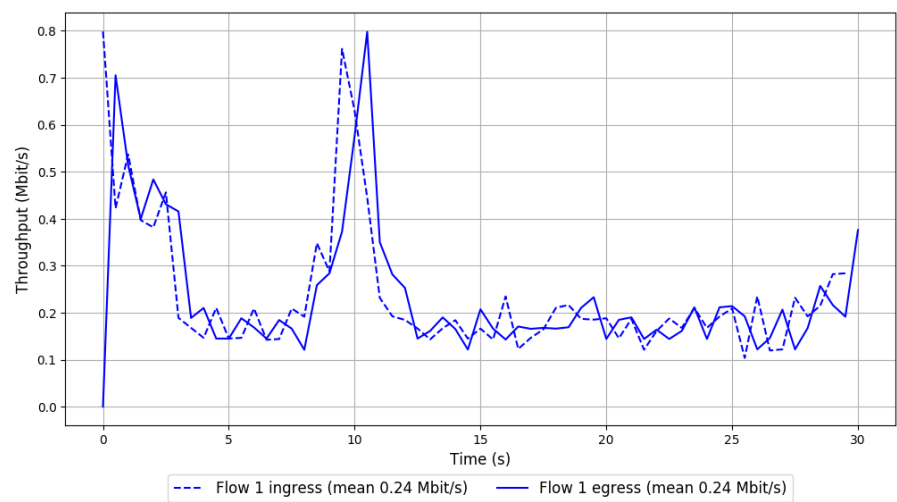


Run 7: Statistics of Sprout

Start at: 2018-07-18 00:04:21
End at: 2018-07-18 00:04:51
Local clock offset: -0.089 ms
Remote clock offset: -0.336 ms

Below is generated by plot.py at 2018-07-18 02:48:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 86.706 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 86.706 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

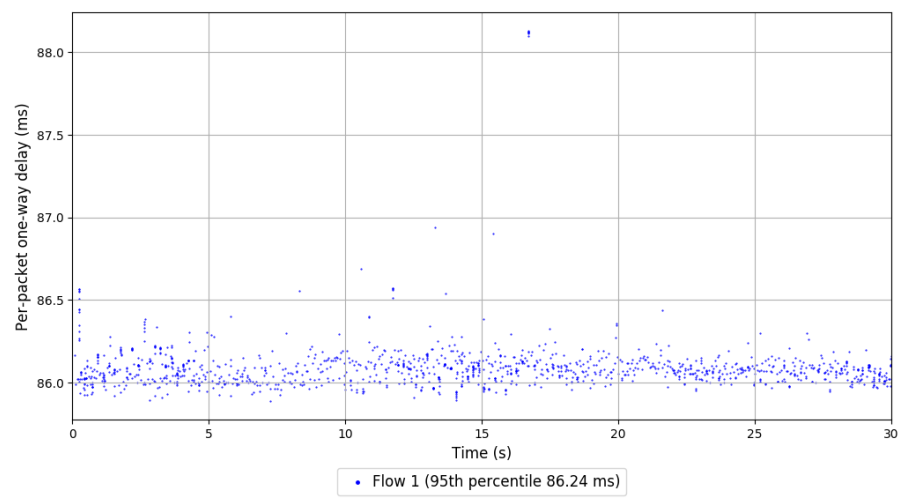
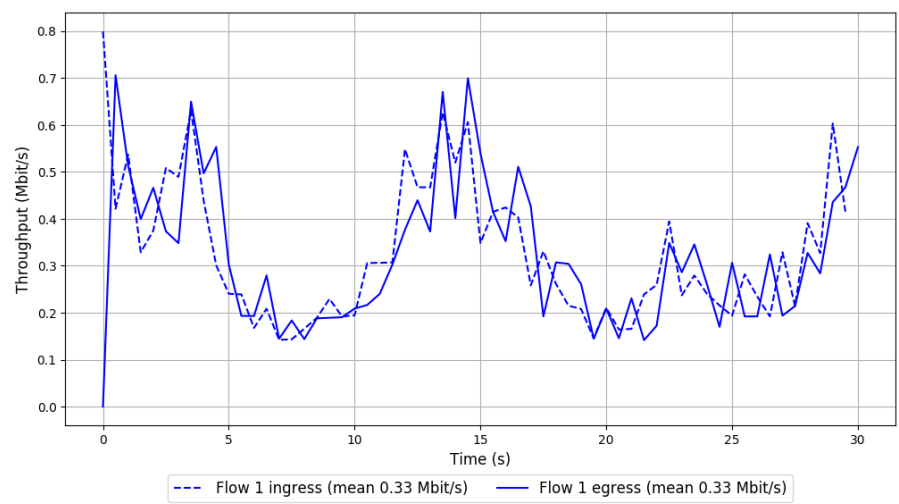


Run 8: Statistics of Sprout

Start at: 2018-07-18 00:26:47
End at: 2018-07-18 00:27:17
Local clock offset: -0.036 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2018-07-18 02:48:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 86.238 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 86.238 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

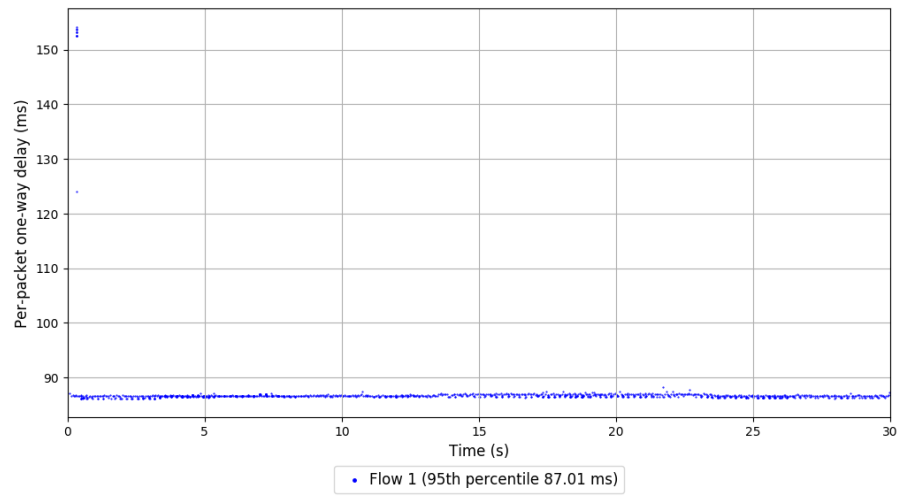
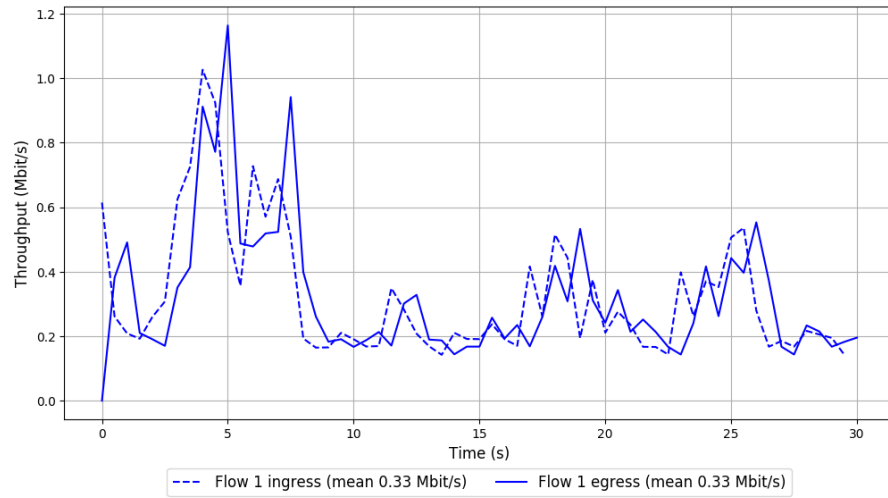


Run 9: Statistics of Sprout

Start at: 2018-07-18 00:49:22
End at: 2018-07-18 00:49:52
Local clock offset: -0.162 ms
Remote clock offset: -0.138 ms

Below is generated by plot.py at 2018-07-18 02:48:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 87.007 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 87.007 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

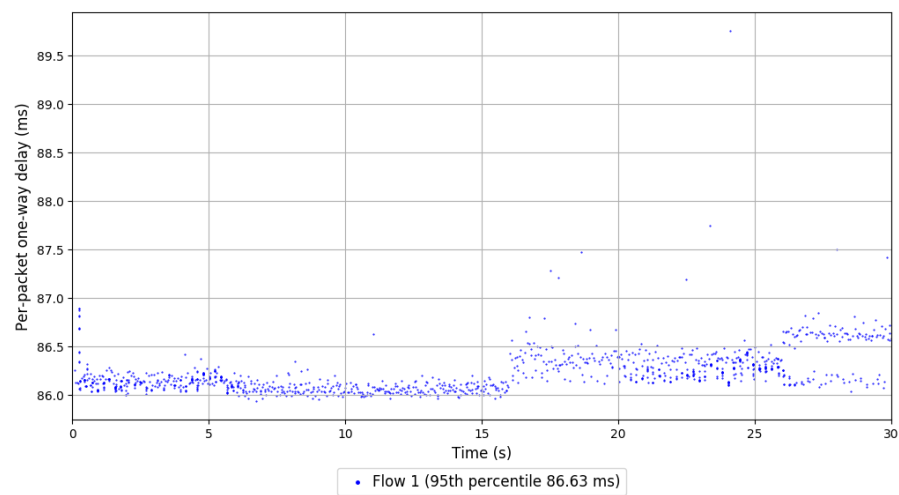
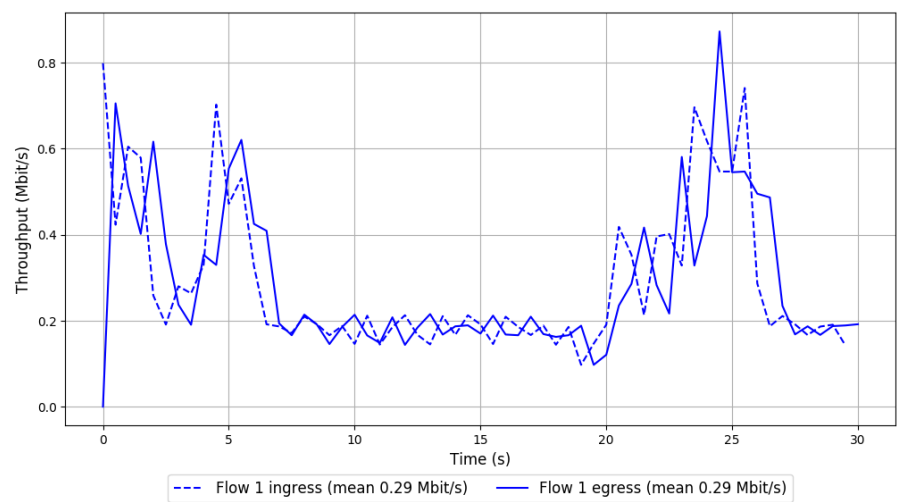


Run 10: Statistics of Sprout

Start at: 2018-07-18 01:11:59
End at: 2018-07-18 01:12:29
Local clock offset: -0.182 ms
Remote clock offset: -0.114 ms

Below is generated by plot.py at 2018-07-18 02:48:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 86.628 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 86.628 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

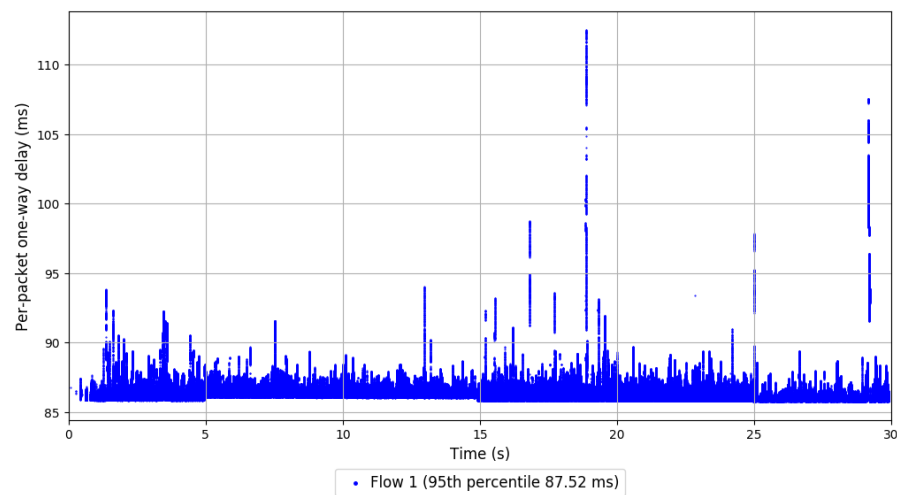
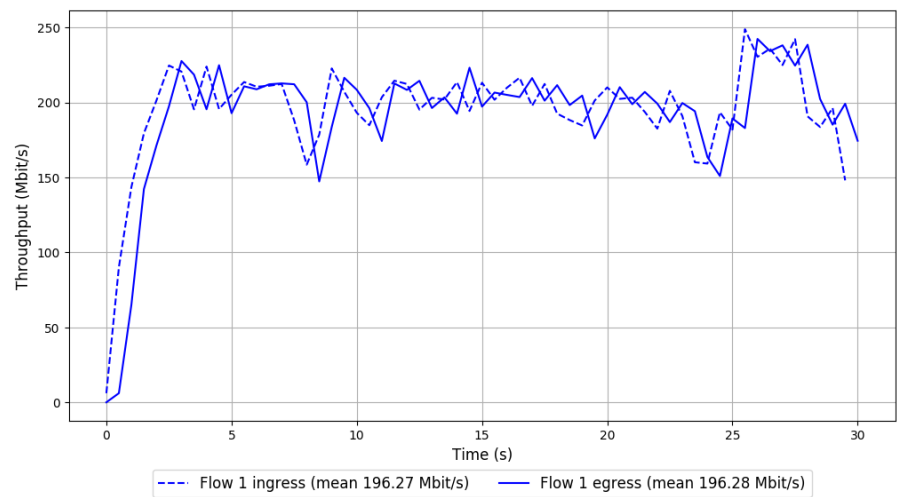


Run 1: Statistics of TaoVA-100x

Start at: 2018-07-17 21:34:10
End at: 2018-07-17 21:34:40
Local clock offset: -0.508 ms
Remote clock offset: -1.557 ms

Below is generated by plot.py at 2018-07-18 02:49:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 196.28 Mbit/s
95th percentile per-packet one-way delay: 87.516 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 196.28 Mbit/s
95th percentile per-packet one-way delay: 87.516 ms
Loss rate: 0.00%

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

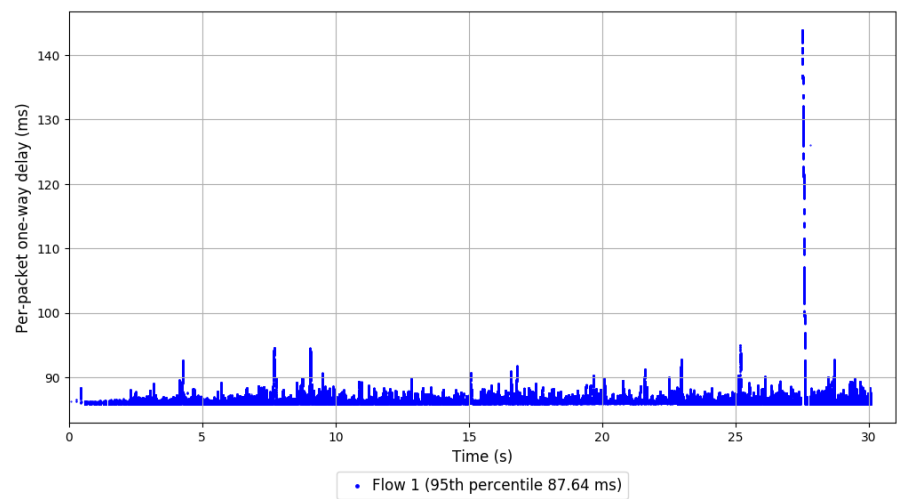
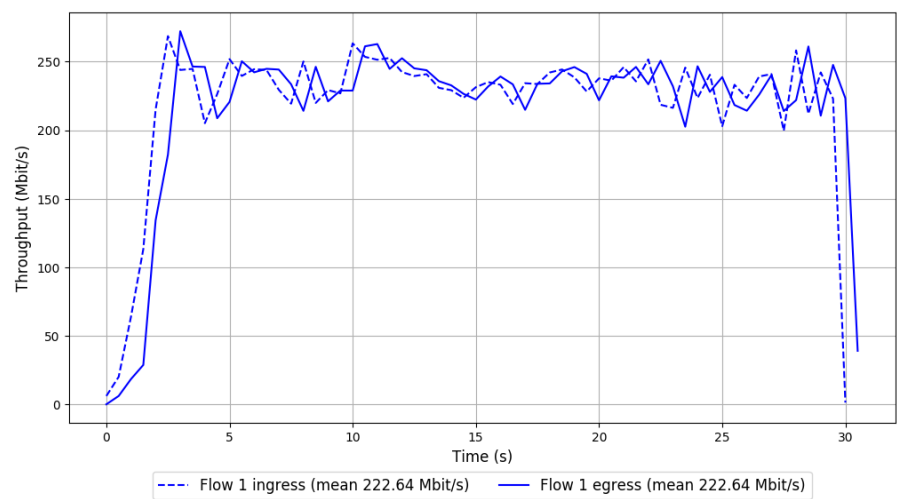


Run 2: Statistics of TaoVA-100x

Start at: 2018-07-17 21:56:23
End at: 2018-07-17 21:56:53
Local clock offset: -0.222 ms
Remote clock offset: -3.242 ms

Below is generated by plot.py at 2018-07-18 02:49:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 222.64 Mbit/s
95th percentile per-packet one-way delay: 87.643 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 222.64 Mbit/s
95th percentile per-packet one-way delay: 87.643 ms
Loss rate: 0.00%

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

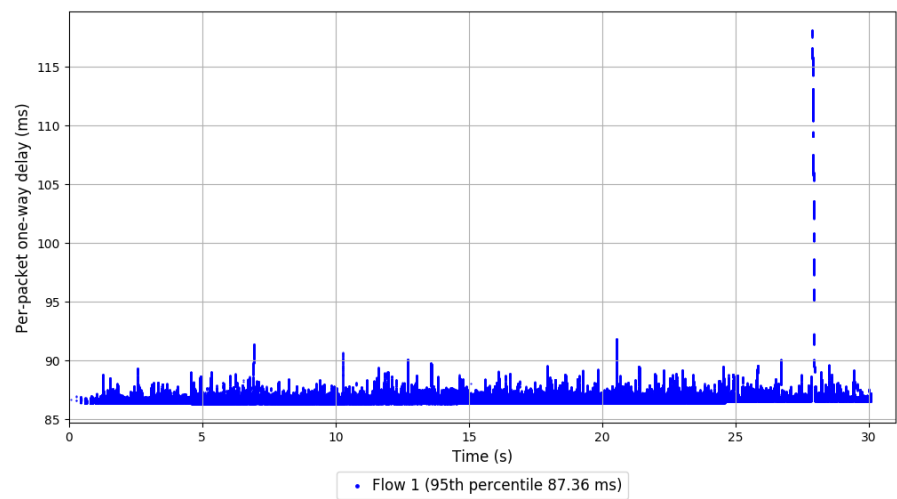
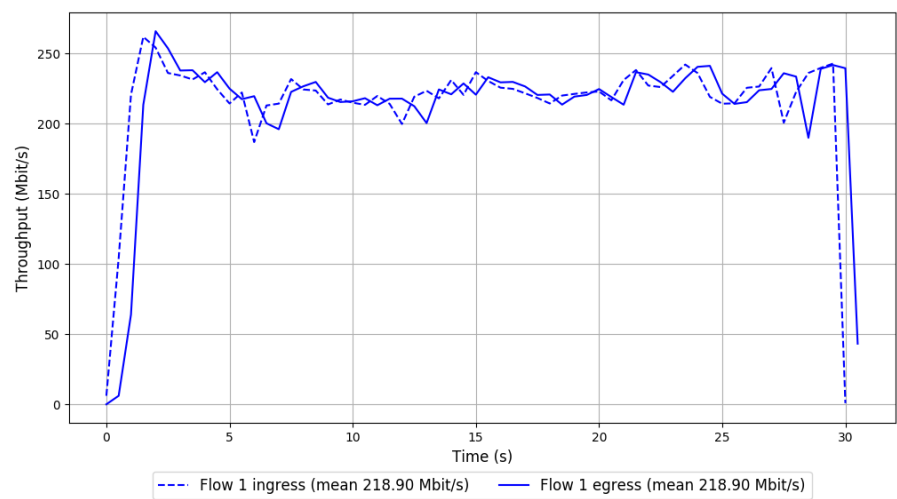


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-17 22:19:11
End at: 2018-07-17 22:19:41
Local clock offset: -0.769 ms
Remote clock offset: -3.587 ms

Below is generated by plot.py at 2018-07-18 02:49:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 218.90 Mbit/s
95th percentile per-packet one-way delay: 87.361 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 218.90 Mbit/s
95th percentile per-packet one-way delay: 87.361 ms
Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-17 22:41:43

End at: 2018-07-17 22:42:13

Local clock offset: -0.587 ms

Remote clock offset: -2.87 ms

Below is generated by plot.py at 2018-07-18 02:50:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 228.71 Mbit/s

95th percentile per-packet one-way delay: 87.185 ms

Loss rate: 0.00%

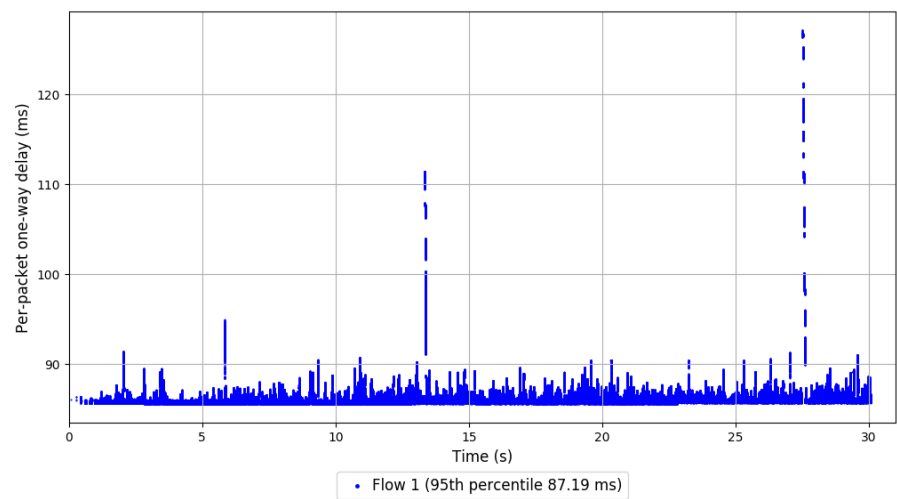
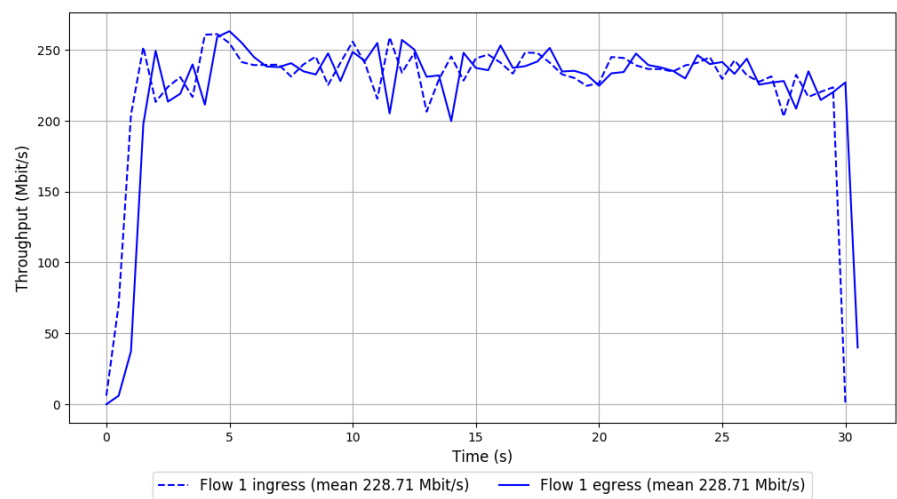
-- Flow 1:

Average throughput: 228.71 Mbit/s

95th percentile per-packet one-way delay: 87.185 ms

Loss rate: 0.00%

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

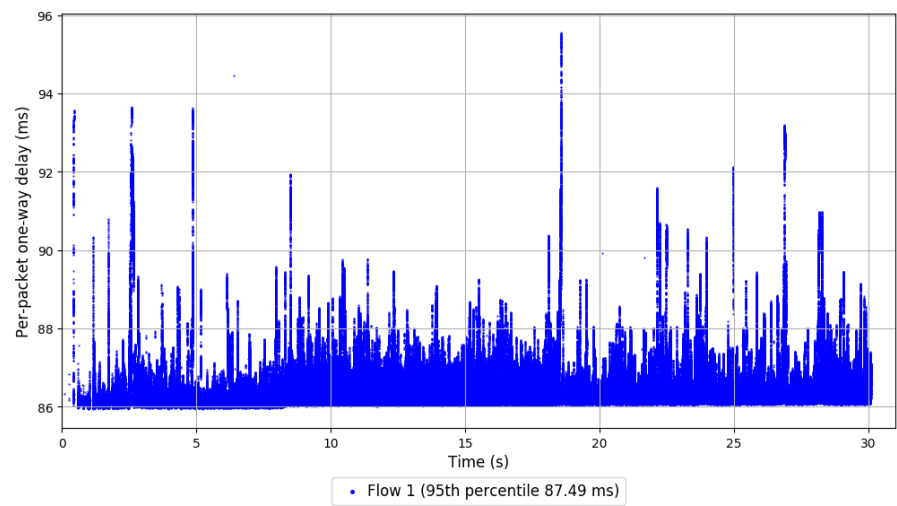
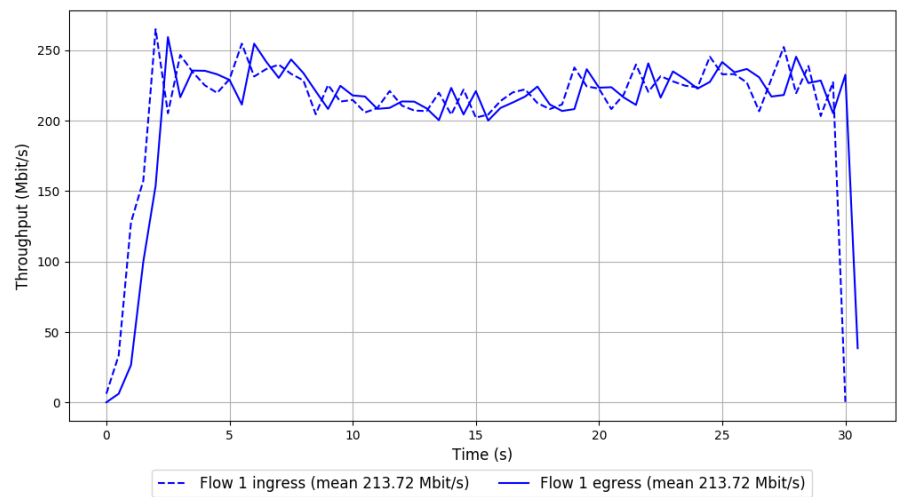


Run 5: Statistics of TaoVA-100x

Start at: 2018-07-17 23:04:07
End at: 2018-07-17 23:04:37
Local clock offset: -0.619 ms
Remote clock offset: -2.629 ms

Below is generated by plot.py at 2018-07-18 02:50:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 213.72 Mbit/s
95th percentile per-packet one-way delay: 87.492 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 213.72 Mbit/s
95th percentile per-packet one-way delay: 87.492 ms
Loss rate: 0.00%

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

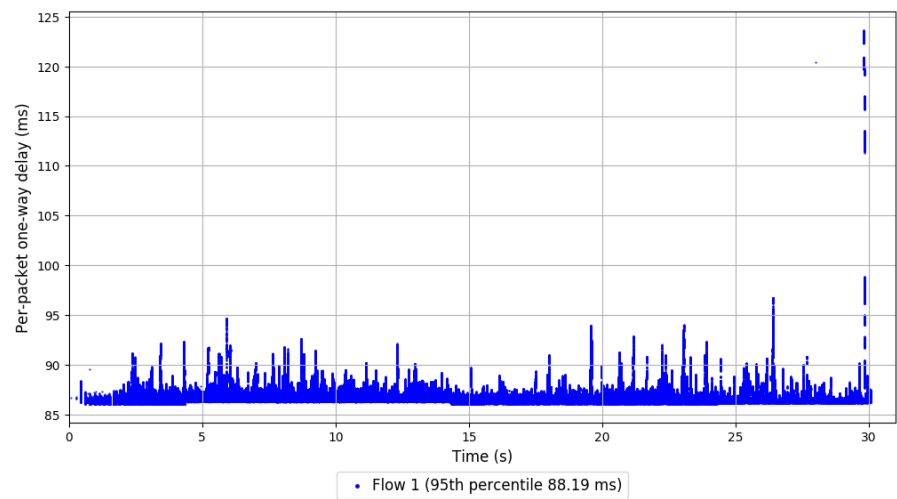
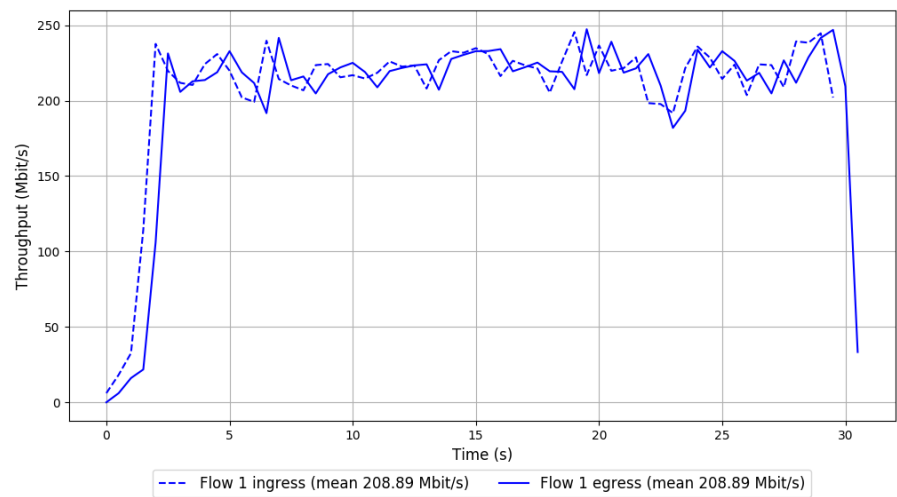


Run 6: Statistics of TaoVA-100x

Start at: 2018-07-17 23:26:51
End at: 2018-07-17 23:27:21
Local clock offset: -0.302 ms
Remote clock offset: -1.059 ms

Below is generated by plot.py at 2018-07-18 02:52:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 208.89 Mbit/s
95th percentile per-packet one-way delay: 88.186 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 208.89 Mbit/s
95th percentile per-packet one-way delay: 88.186 ms
Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-17 23:49:22

End at: 2018-07-17 23:49:52

Local clock offset: 0.009 ms

Remote clock offset: -0.67 ms

Below is generated by plot.py at 2018-07-18 02:53:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.21 Mbit/s

95th percentile per-packet one-way delay: 87.152 ms

Loss rate: 0.02%

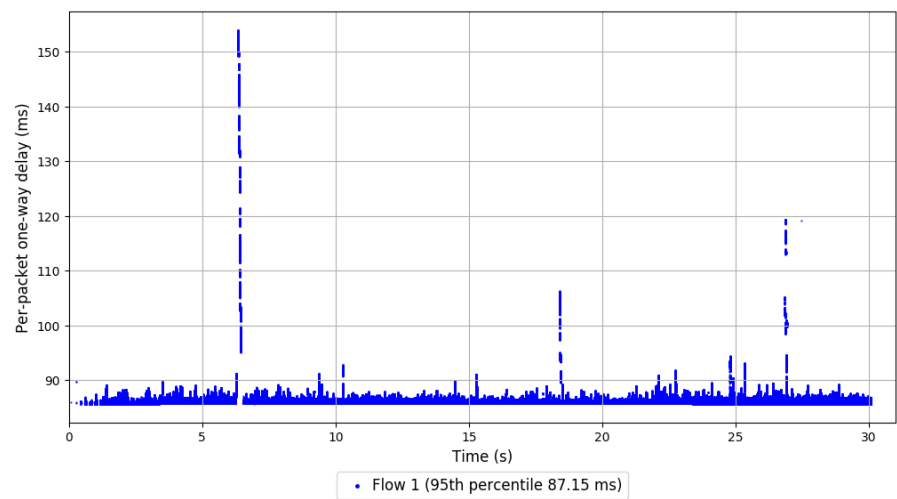
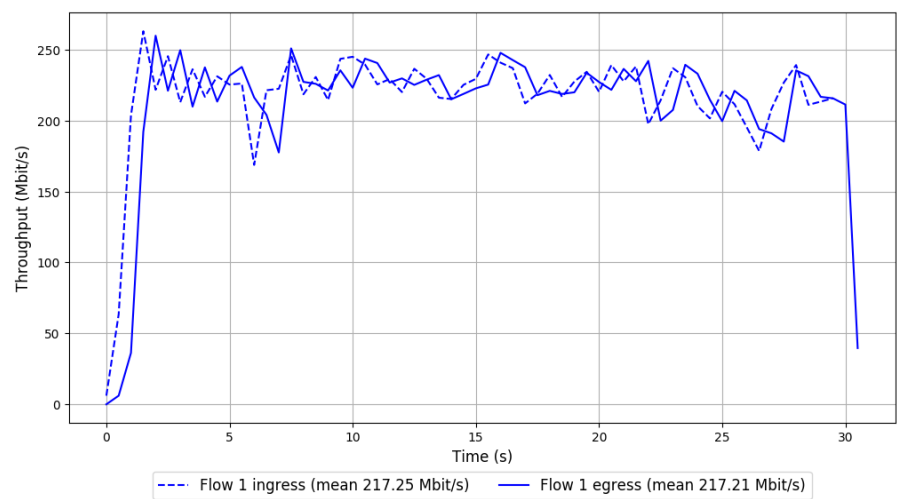
-- Flow 1:

Average throughput: 217.21 Mbit/s

95th percentile per-packet one-way delay: 87.152 ms

Loss rate: 0.02%

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

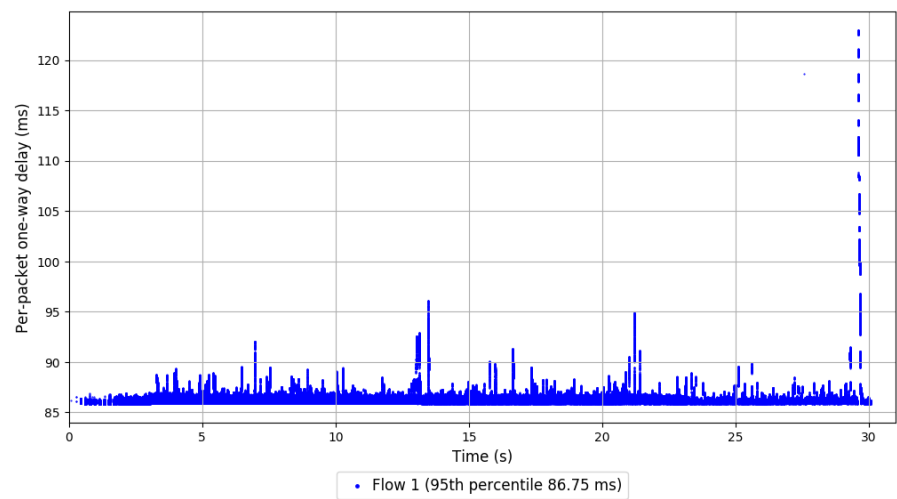
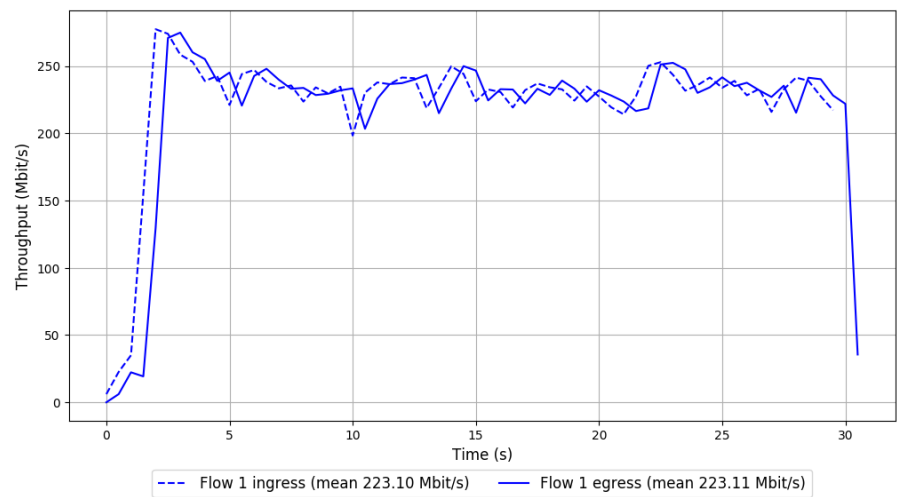


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-18 00:11:42
End at: 2018-07-18 00:12:12
Local clock offset: -0.094 ms
Remote clock offset: -0.354 ms

Below is generated by plot.py at 2018-07-18 02:55:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 223.11 Mbit/s
95th percentile per-packet one-way delay: 86.755 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 223.11 Mbit/s
95th percentile per-packet one-way delay: 86.755 ms
Loss rate: 0.00%

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

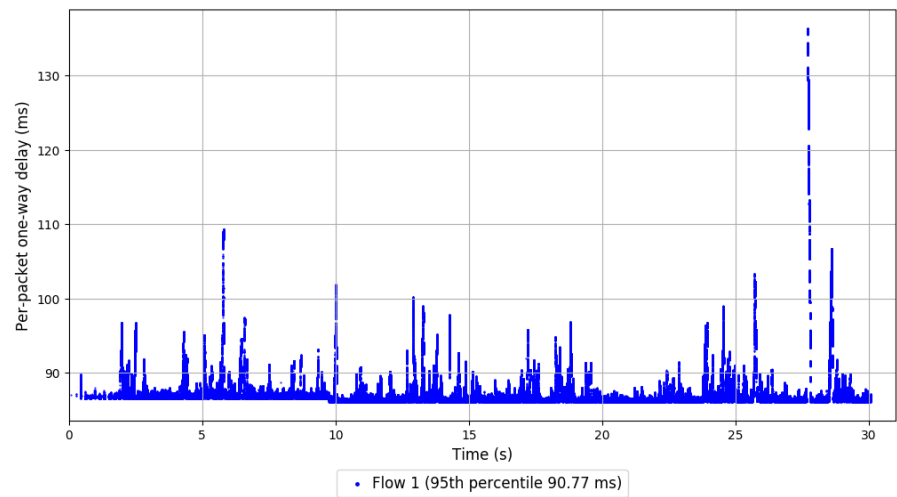
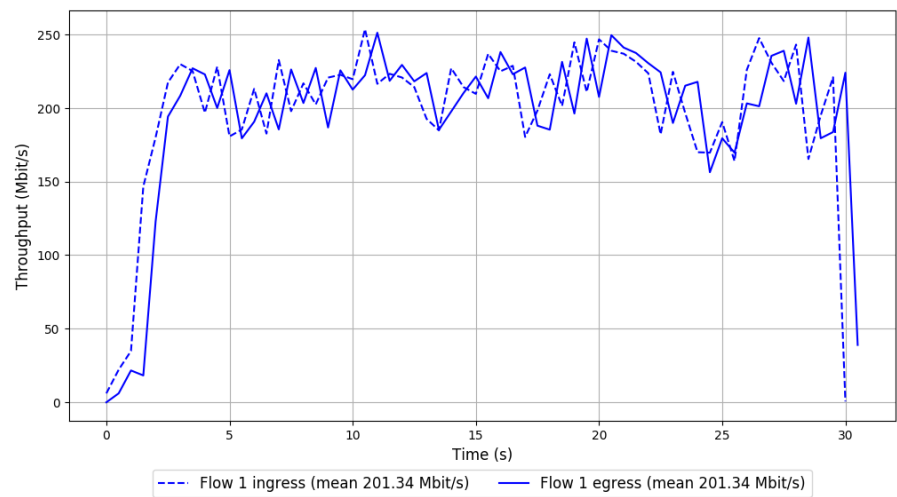


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-18 00:34:16
End at: 2018-07-18 00:34:46
Local clock offset: -0.384 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-07-18 02:55:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 201.34 Mbit/s
95th percentile per-packet one-way delay: 90.767 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 201.34 Mbit/s
95th percentile per-packet one-way delay: 90.767 ms
Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-18 00:56:53

End at: 2018-07-18 00:57:23

Local clock offset: -0.286 ms

Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-07-18 02:57:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.14 Mbit/s

95th percentile per-packet one-way delay: 87.310 ms

Loss rate: 0.00%

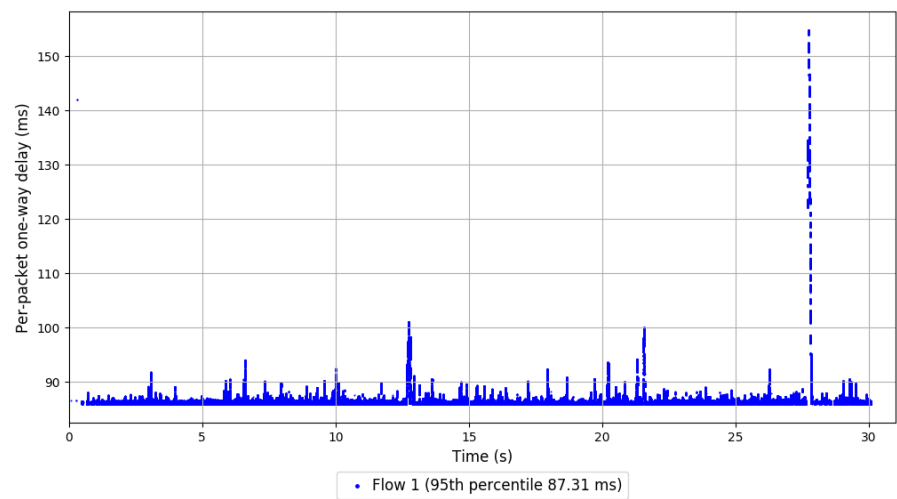
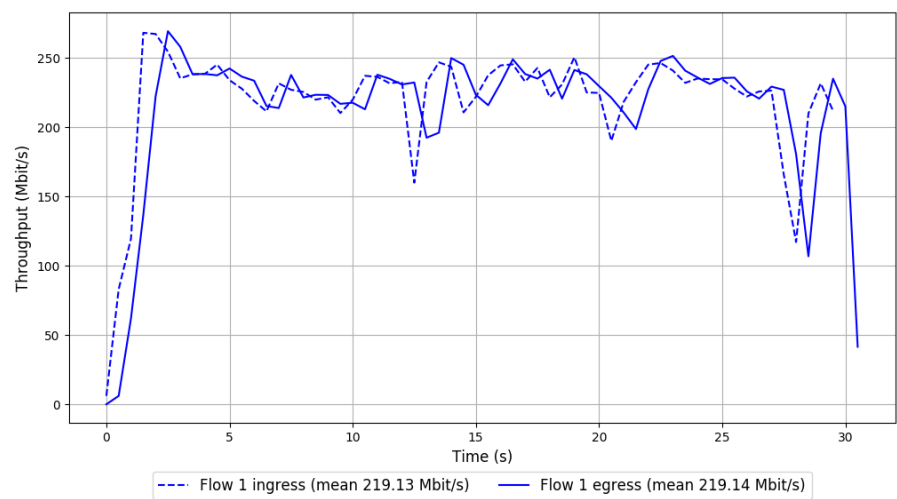
-- Flow 1:

Average throughput: 219.14 Mbit/s

95th percentile per-packet one-way delay: 87.310 ms

Loss rate: 0.00%

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

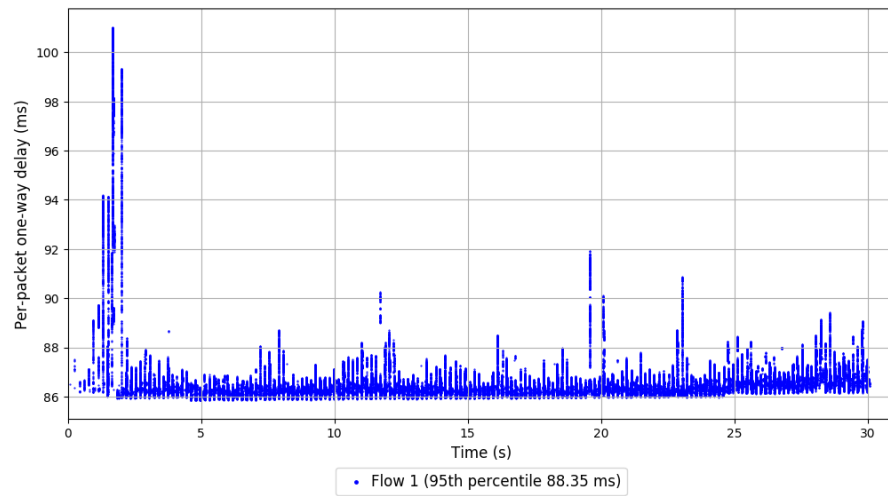
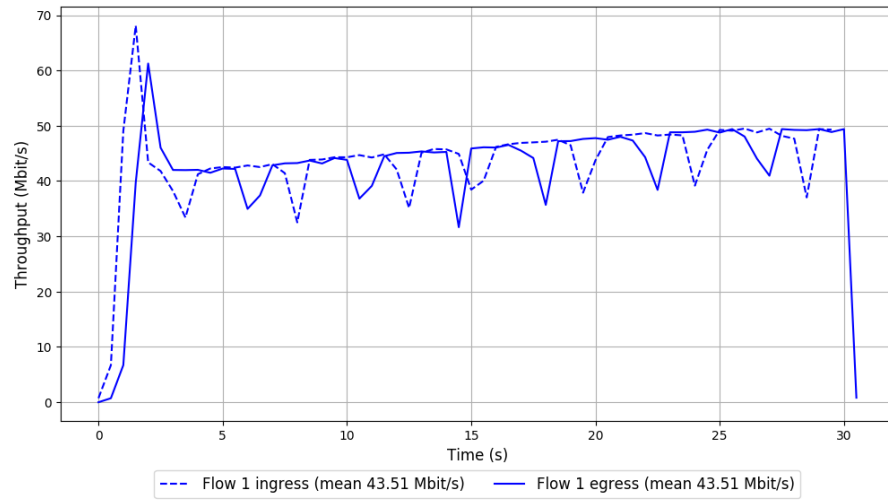


Run 1: Statistics of TCP Vegas

Start at: 2018-07-17 21:33:01
End at: 2018-07-17 21:33:31
Local clock offset: -0.277 ms
Remote clock offset: -1.429 ms

Below is generated by plot.py at 2018-07-18 02:57:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 43.51 Mbit/s
95th percentile per-packet one-way delay: 88.353 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 43.51 Mbit/s
95th percentile per-packet one-way delay: 88.353 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

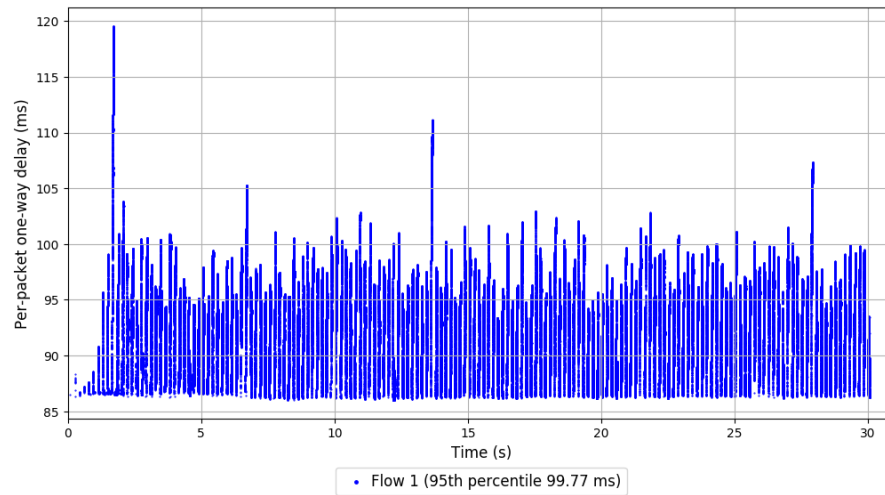
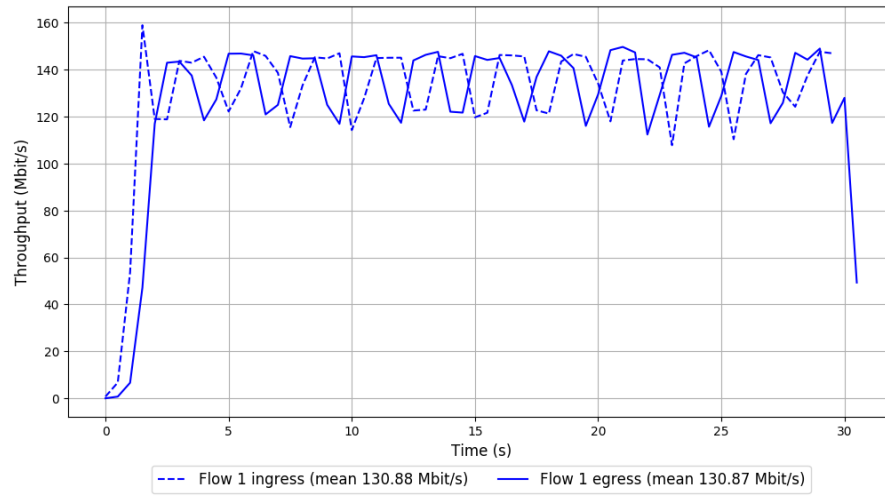


Run 2: Statistics of TCP Vegas

Start at: 2018-07-17 21:55:09
End at: 2018-07-17 21:55:39
Local clock offset: -0.381 ms
Remote clock offset: -2.994 ms

Below is generated by plot.py at 2018-07-18 02:57:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 130.87 Mbit/s
95th percentile per-packet one-way delay: 99.771 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 130.87 Mbit/s
95th percentile per-packet one-way delay: 99.771 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

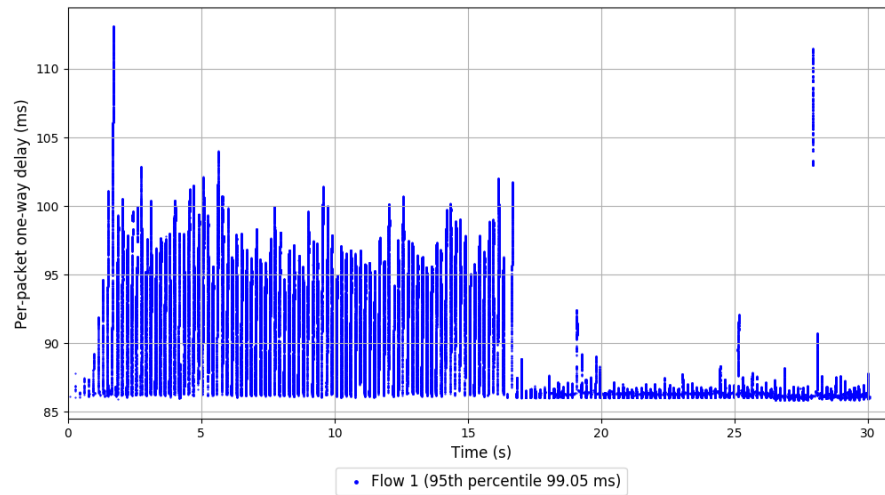
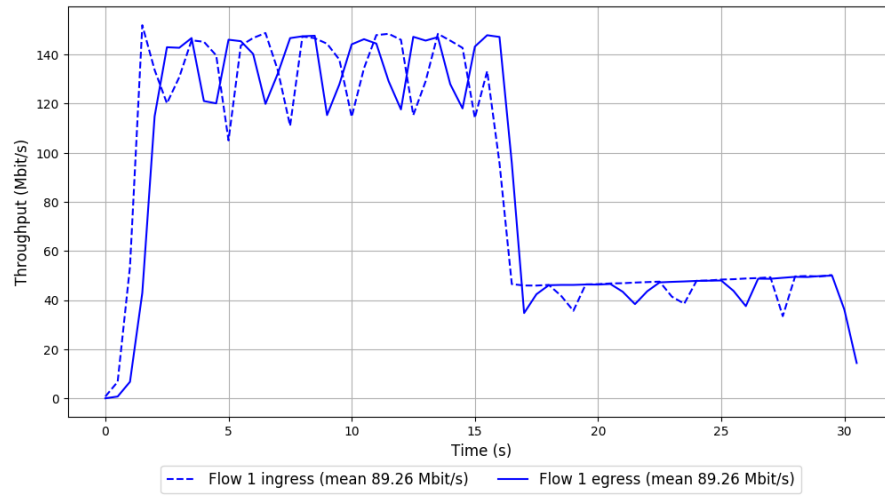


Run 3: Statistics of TCP Vegas

Start at: 2018-07-17 22:17:59
End at: 2018-07-17 22:18:29
Local clock offset: -0.399 ms
Remote clock offset: -3.593 ms

Below is generated by plot.py at 2018-07-18 02:57:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.26 Mbit/s
95th percentile per-packet one-way delay: 99.050 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.26 Mbit/s
95th percentile per-packet one-way delay: 99.050 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

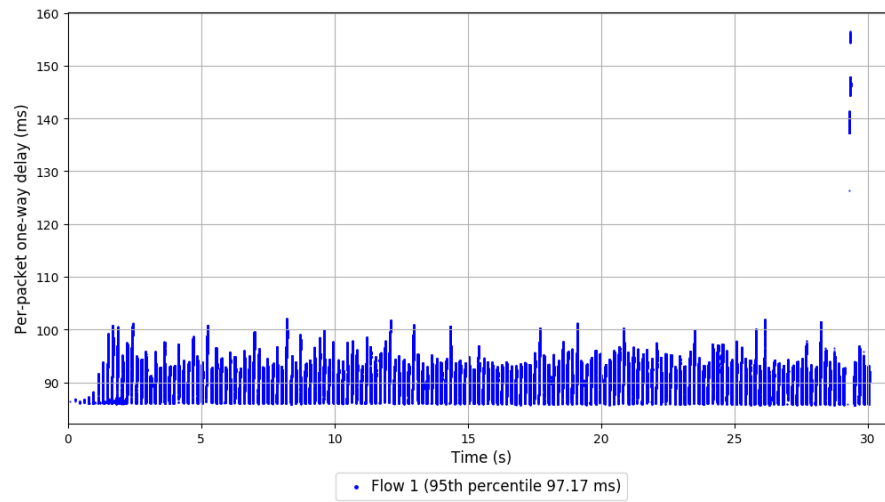
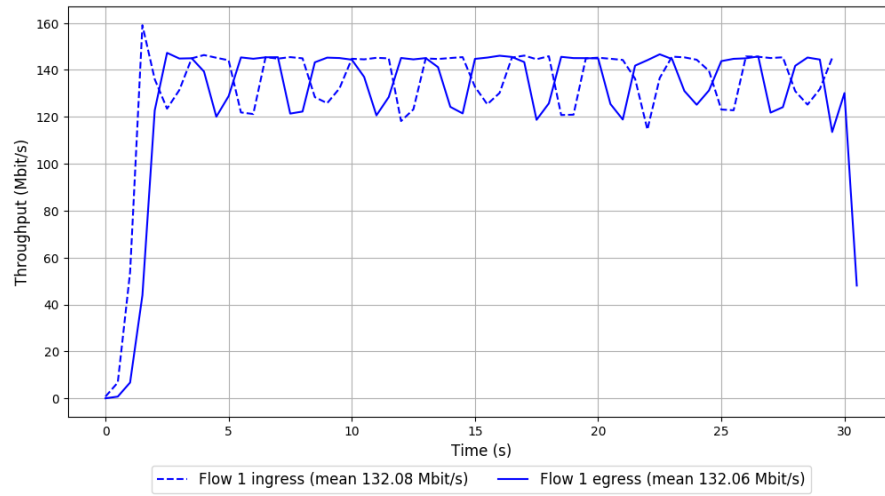


Run 4: Statistics of TCP Vegas

Start at: 2018-07-17 22:40:29
End at: 2018-07-17 22:40:59
Local clock offset: -0.634 ms
Remote clock offset: -3.144 ms

Below is generated by plot.py at 2018-07-18 02:57:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 132.06 Mbit/s
95th percentile per-packet one-way delay: 97.169 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 132.06 Mbit/s
95th percentile per-packet one-way delay: 97.169 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

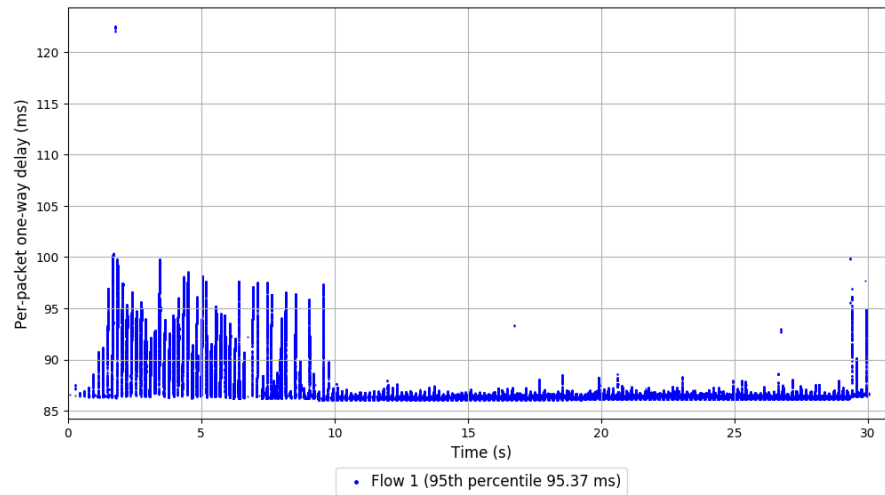
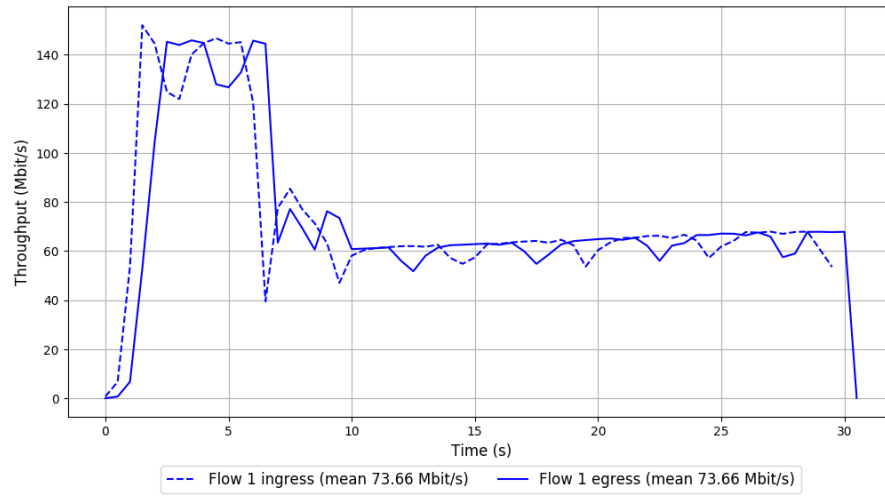


Run 5: Statistics of TCP Vegas

Start at: 2018-07-17 23:02:56
End at: 2018-07-17 23:03:26
Local clock offset: -0.799 ms
Remote clock offset: -2.553 ms

Below is generated by plot.py at 2018-07-18 02:57:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.66 Mbit/s
95th percentile per-packet one-way delay: 95.366 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 73.66 Mbit/s
95th percentile per-packet one-way delay: 95.366 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

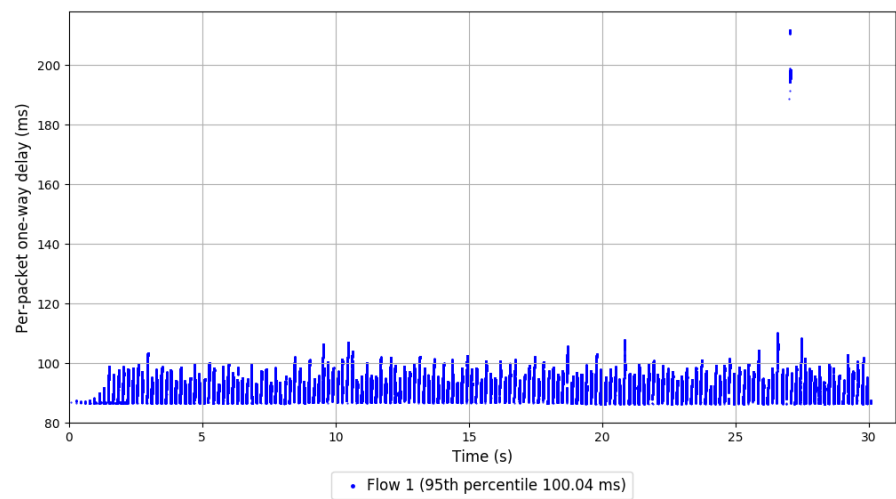
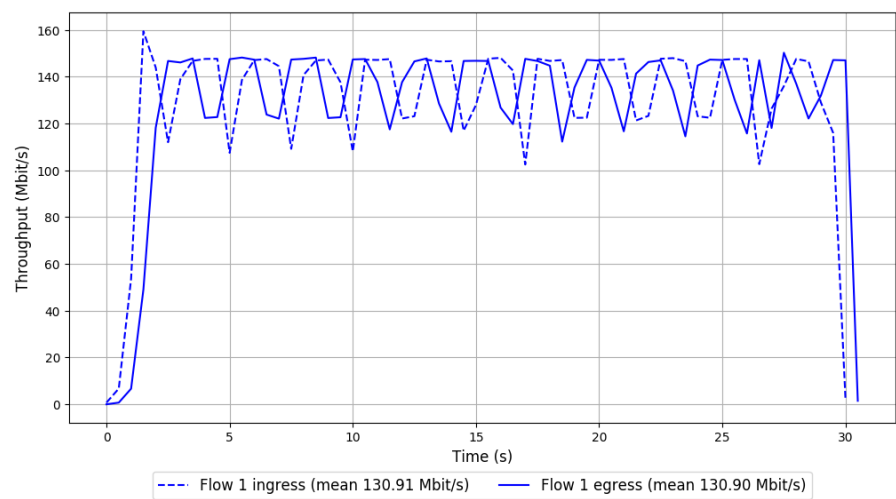


Run 6: Statistics of TCP Vegas

Start at: 2018-07-17 23:25:37
End at: 2018-07-17 23:26:07
Local clock offset: -0.351 ms
Remote clock offset: -1.056 ms

Below is generated by plot.py at 2018-07-18 02:57:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 130.90 Mbit/s
95th percentile per-packet one-way delay: 100.043 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 130.90 Mbit/s
95th percentile per-packet one-way delay: 100.043 ms
Loss rate: 0.01%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-07-17 23:48:12

End at: 2018-07-17 23:48:42

Local clock offset: -0.019 ms

Remote clock offset: -0.72 ms

Below is generated by plot.py at 2018-07-18 02:57:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.93 Mbit/s

95th percentile per-packet one-way delay: 96.329 ms

Loss rate: 0.00%

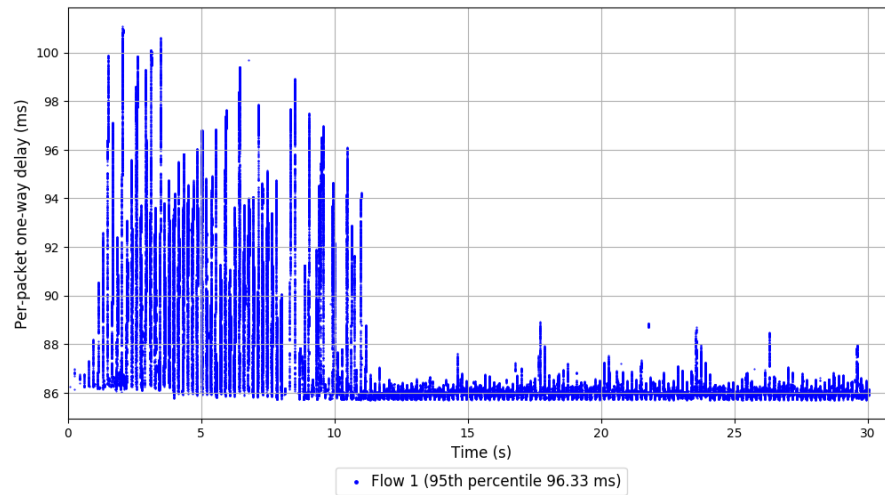
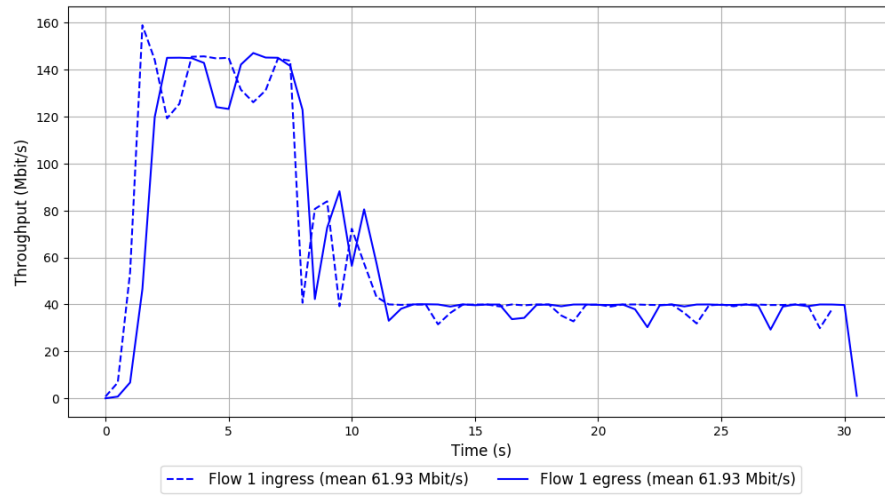
-- Flow 1:

Average throughput: 61.93 Mbit/s

95th percentile per-packet one-way delay: 96.329 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

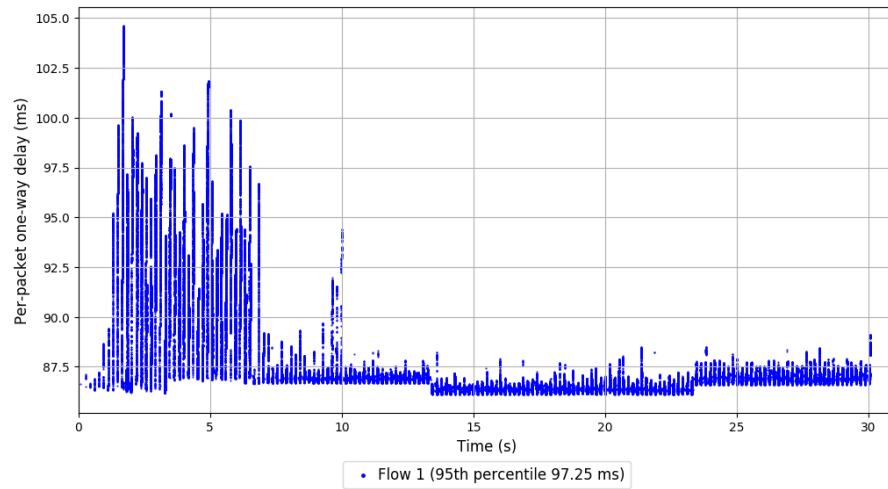
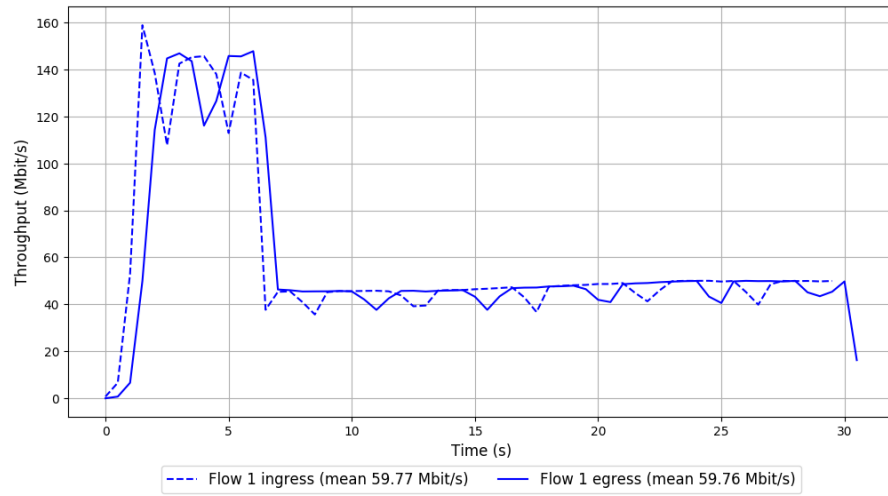


Run 8: Statistics of TCP Vegas

Start at: 2018-07-18 00:10:32
End at: 2018-07-18 00:11:02
Local clock offset: -0.374 ms
Remote clock offset: -0.314 ms

Below is generated by plot.py at 2018-07-18 02:57:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.76 Mbit/s
95th percentile per-packet one-way delay: 97.255 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.76 Mbit/s
95th percentile per-packet one-way delay: 97.255 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

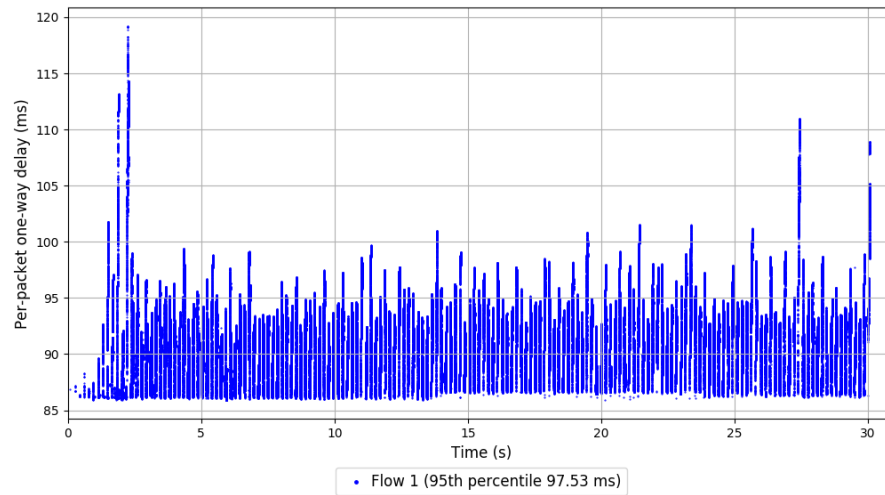
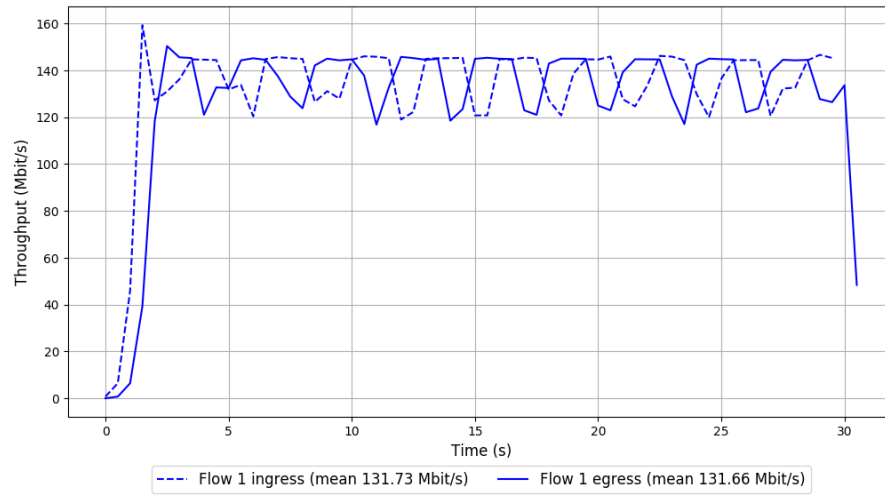


Run 9: Statistics of TCP Vegas

Start at: 2018-07-18 00:33:02
End at: 2018-07-18 00:33:32
Local clock offset: -0.166 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-07-18 02:57:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 131.66 Mbit/s
95th percentile per-packet one-way delay: 97.527 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 131.66 Mbit/s
95th percentile per-packet one-way delay: 97.527 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link

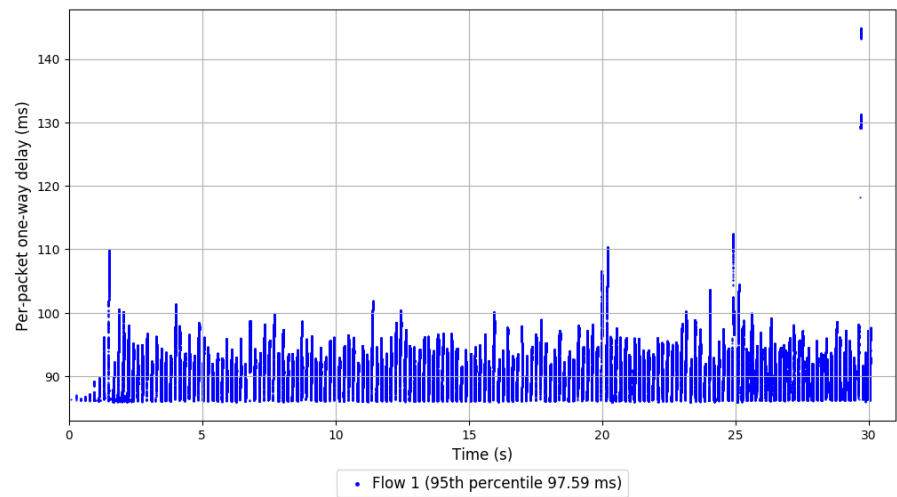
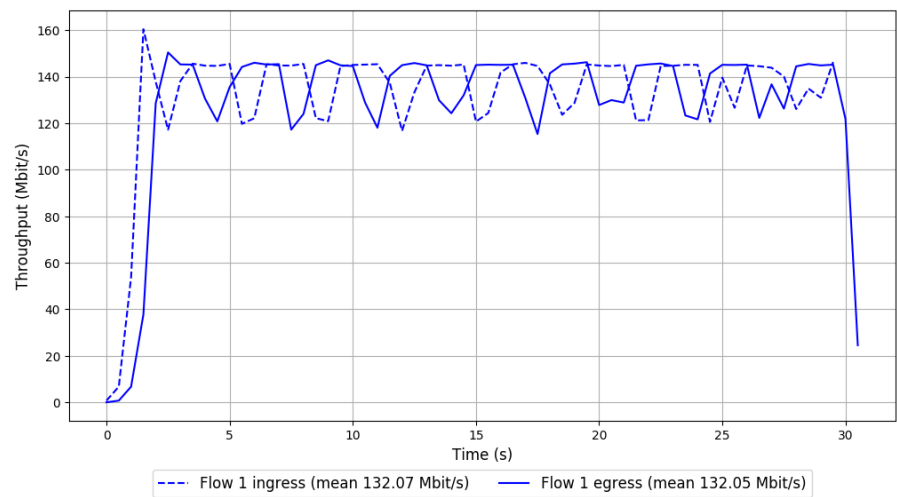


Run 10: Statistics of TCP Vegas

Start at: 2018-07-18 00:55:40
End at: 2018-07-18 00:56:10
Local clock offset: -0.194 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-07-18 02:57:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 132.05 Mbit/s
95th percentile per-packet one-way delay: 97.595 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 132.05 Mbit/s
95th percentile per-packet one-way delay: 97.595 ms
Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

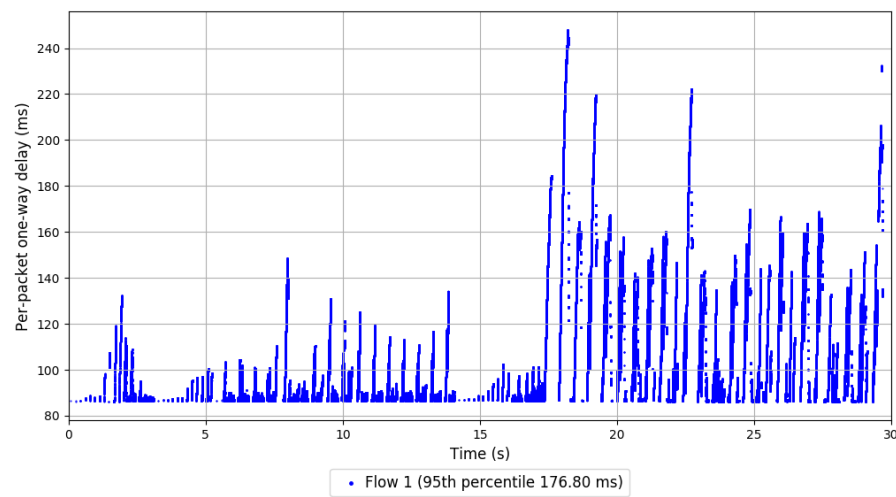
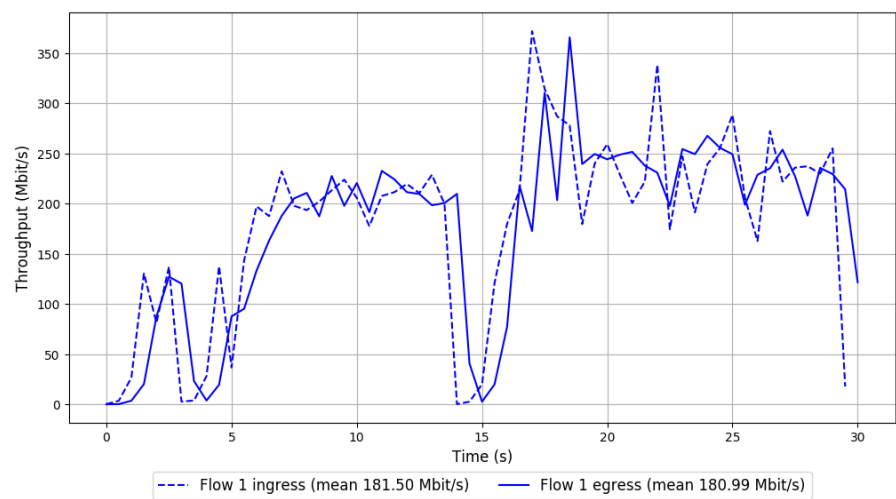


Run 1: Statistics of Verus

Start at: 2018-07-17 21:30:33
End at: 2018-07-17 21:31:03
Local clock offset: -0.428 ms
Remote clock offset: -0.796 ms

Below is generated by plot.py at 2018-07-18 02:57:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 180.99 Mbit/s
95th percentile per-packet one-way delay: 176.796 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 180.99 Mbit/s
95th percentile per-packet one-way delay: 176.796 ms
Loss rate: 0.12%

Run 1: Report of Verus — Data Link

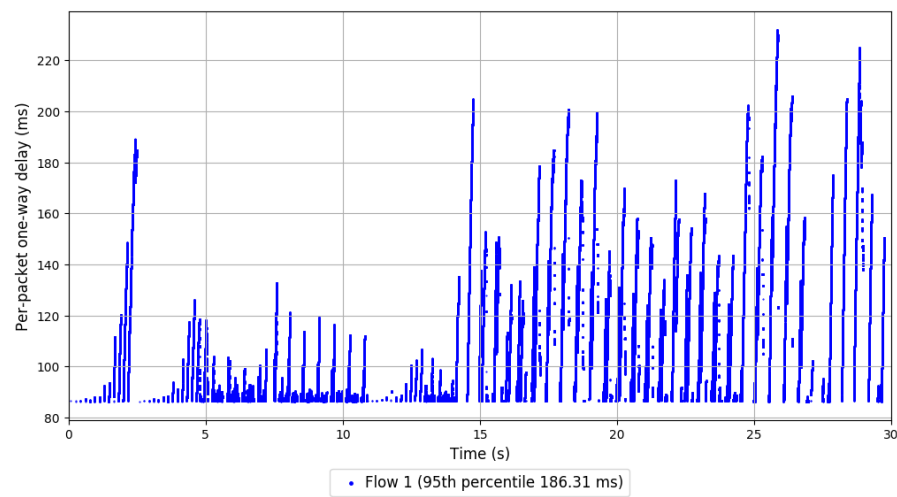
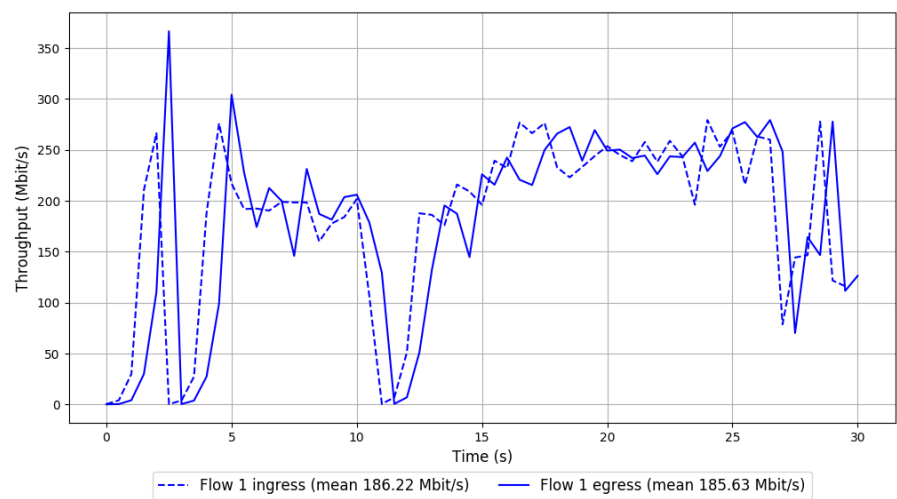


Run 2: Statistics of Verus

Start at: 2018-07-17 21:52:41
End at: 2018-07-17 21:53:11
Local clock offset: -0.576 ms
Remote clock offset: -2.551 ms

Below is generated by plot.py at 2018-07-18 02:57:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 185.63 Mbit/s
95th percentile per-packet one-way delay: 186.307 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 185.63 Mbit/s
95th percentile per-packet one-way delay: 186.307 ms
Loss rate: 0.10%

Run 2: Report of Verus — Data Link

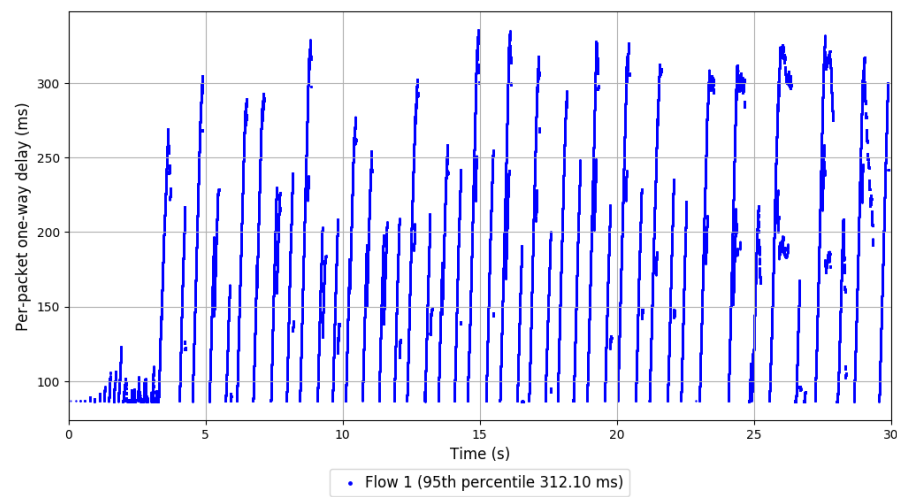
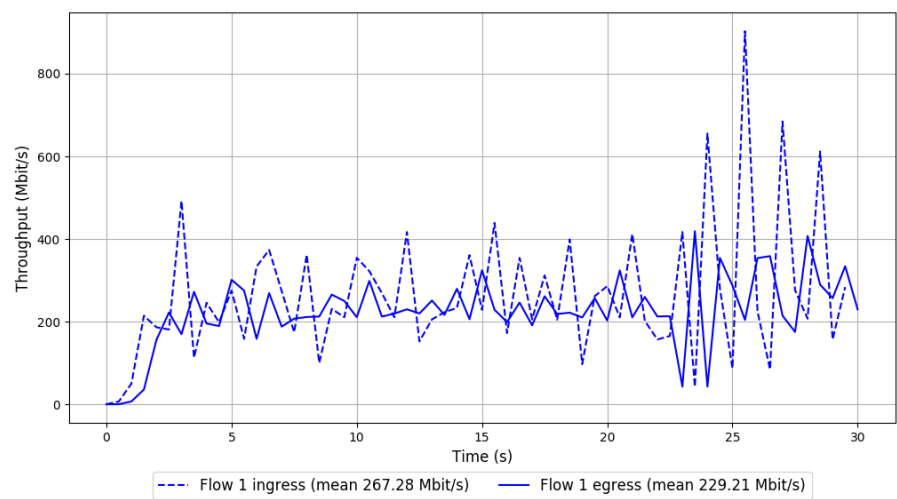


Run 3: Statistics of Verus

Start at: 2018-07-17 22:15:28
End at: 2018-07-17 22:15:58
Local clock offset: -0.586 ms
Remote clock offset: -3.282 ms

Below is generated by plot.py at 2018-07-18 02:59:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 229.21 Mbit/s
95th percentile per-packet one-way delay: 312.101 ms
Loss rate: 14.23%
-- Flow 1:
Average throughput: 229.21 Mbit/s
95th percentile per-packet one-way delay: 312.101 ms
Loss rate: 14.23%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-07-17 22:38:01

End at: 2018-07-17 22:38:31

Local clock offset: -0.687 ms

Remote clock offset: -3.77 ms

Below is generated by plot.py at 2018-07-18 02:59:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 190.68 Mbit/s

95th percentile per-packet one-way delay: 126.011 ms

Loss rate: 0.00%

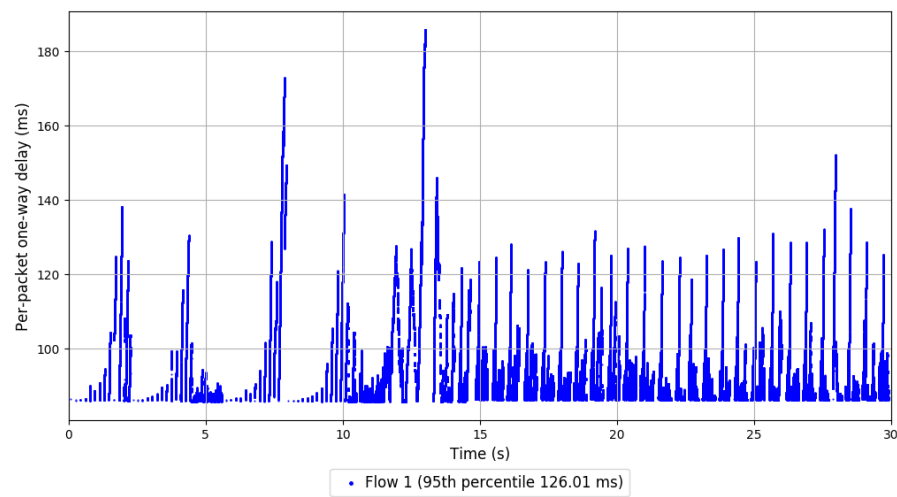
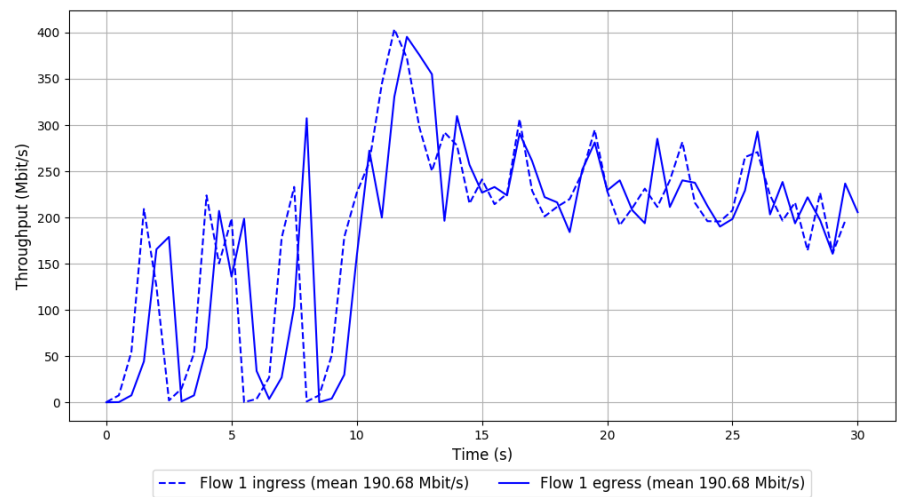
-- Flow 1:

Average throughput: 190.68 Mbit/s

95th percentile per-packet one-way delay: 126.011 ms

Loss rate: 0.00%

Run 4: Report of Verus — Data Link

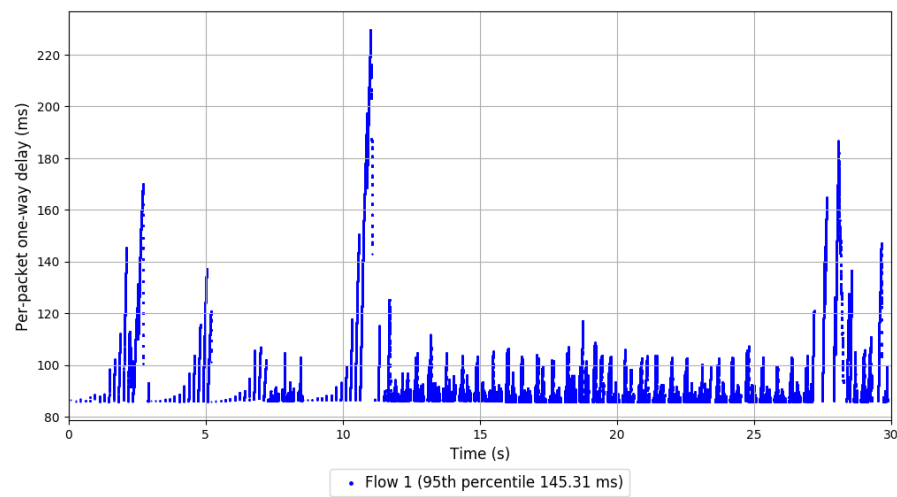
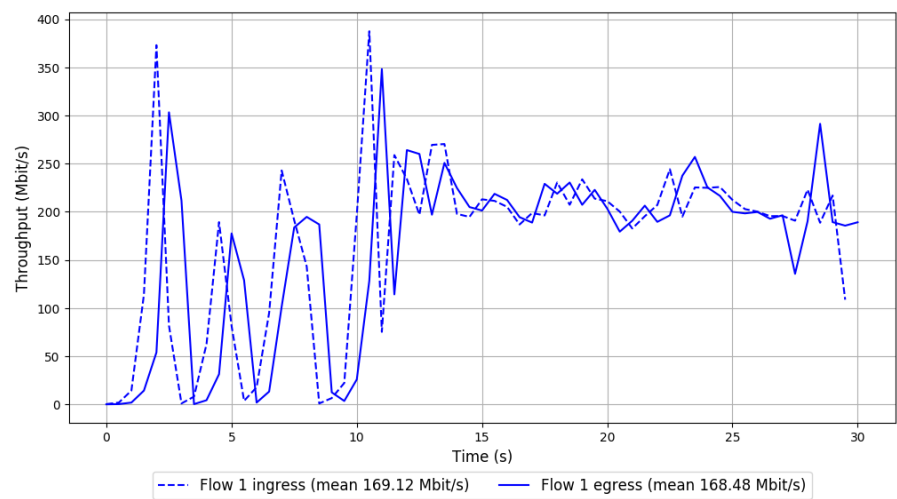


Run 5: Statistics of Verus

Start at: 2018-07-17 23:00:29
End at: 2018-07-17 23:00:59
Local clock offset: -0.66 ms
Remote clock offset: -2.459 ms

Below is generated by plot.py at 2018-07-18 02:59:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 168.48 Mbit/s
95th percentile per-packet one-way delay: 145.314 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 168.48 Mbit/s
95th percentile per-packet one-way delay: 145.314 ms
Loss rate: 0.37%

Run 5: Report of Verus — Data Link

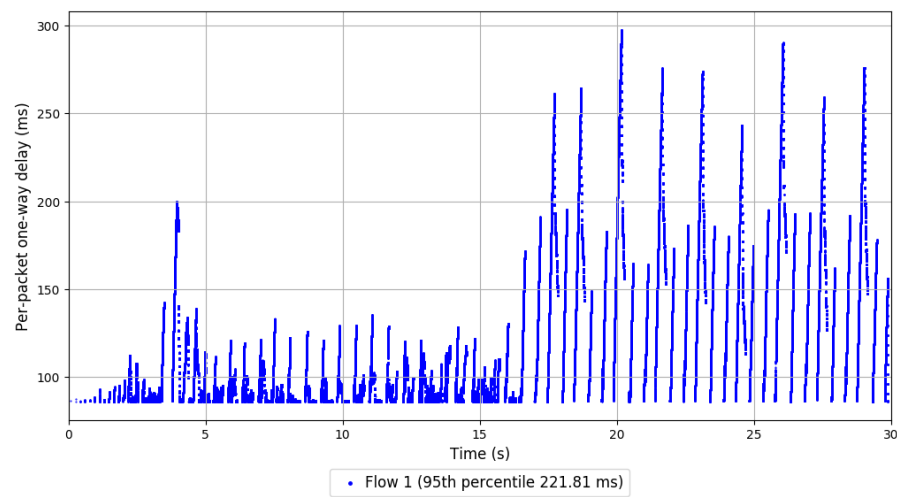
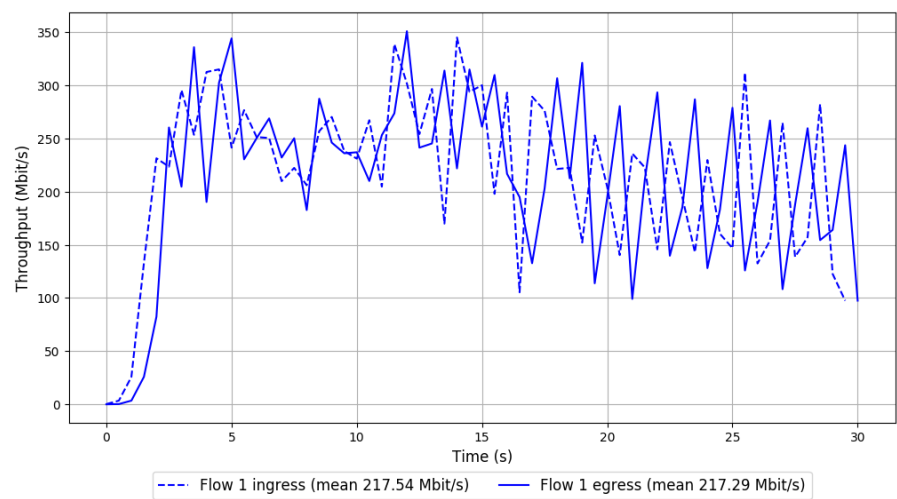


Run 6: Statistics of Verus

Start at: 2018-07-17 23:23:07
End at: 2018-07-17 23:23:37
Local clock offset: -0.193 ms
Remote clock offset: -1.113 ms

Below is generated by plot.py at 2018-07-18 02:59:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 217.29 Mbit/s
95th percentile per-packet one-way delay: 221.810 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 217.29 Mbit/s
95th percentile per-packet one-way delay: 221.810 ms
Loss rate: 0.11%

Run 6: Report of Verus — Data Link

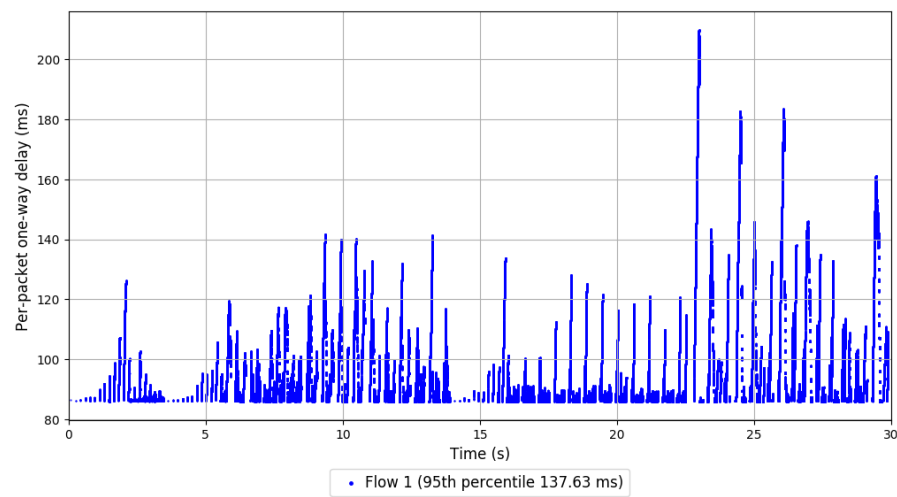
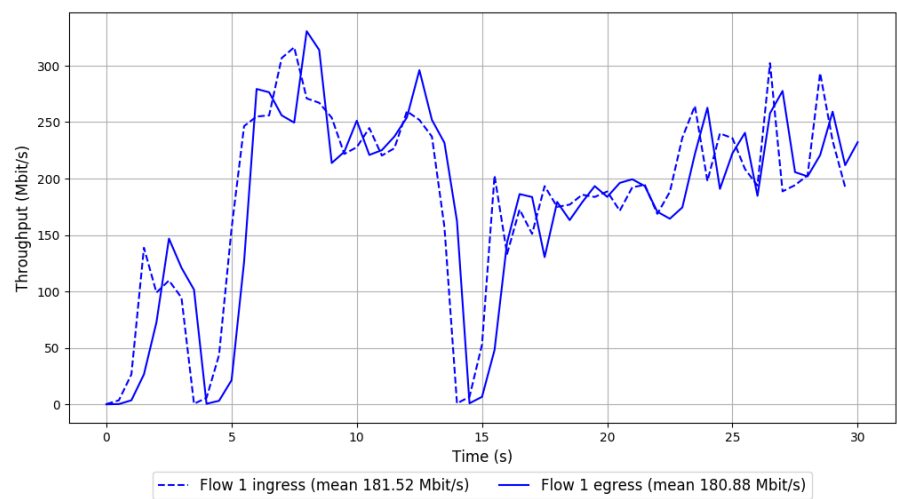


Run 7: Statistics of Verus

Start at: 2018-07-17 23:45:44
End at: 2018-07-17 23:46:14
Local clock offset: -0.234 ms
Remote clock offset: -0.934 ms

Below is generated by plot.py at 2018-07-18 02:59:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 180.88 Mbit/s
95th percentile per-packet one-way delay: 137.630 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 180.88 Mbit/s
95th percentile per-packet one-way delay: 137.630 ms
Loss rate: 0.33%

Run 7: Report of Verus — Data Link

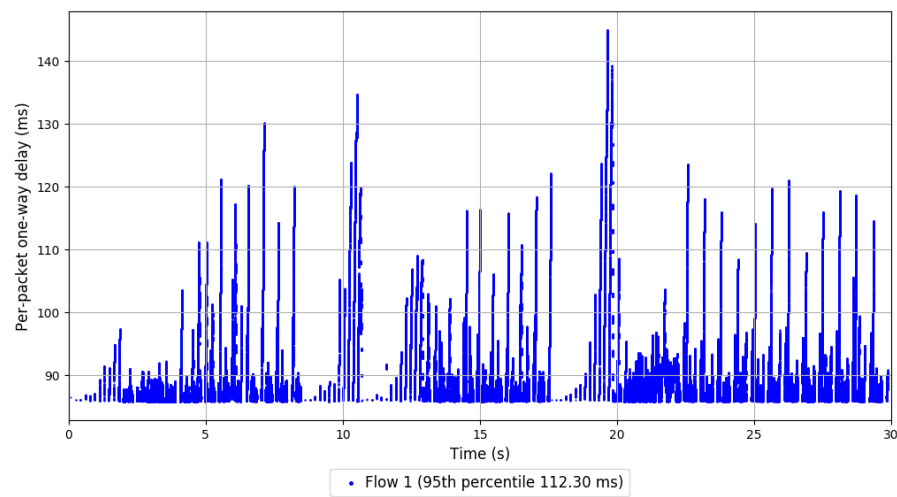
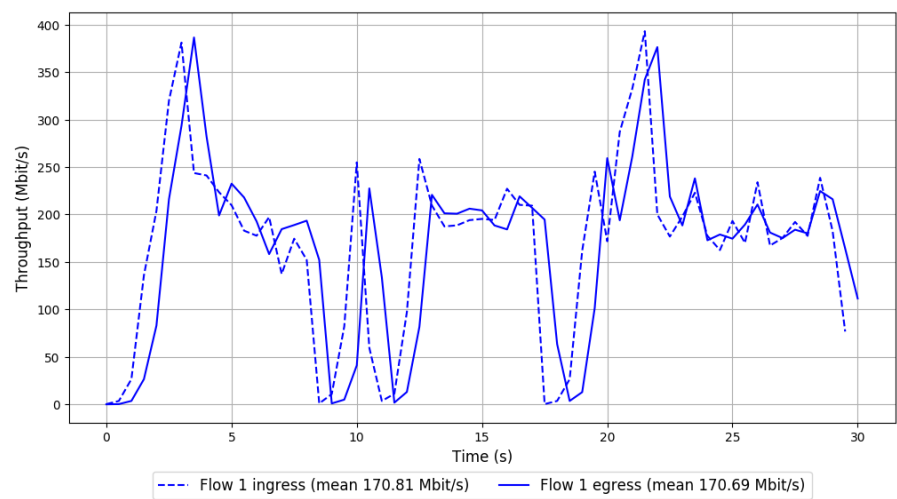


Run 8: Statistics of Verus

Start at: 2018-07-18 00:08:05
End at: 2018-07-18 00:08:35
Local clock offset: -0.013 ms
Remote clock offset: -0.324 ms

Below is generated by plot.py at 2018-07-18 03:00:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 170.69 Mbit/s
95th percentile per-packet one-way delay: 112.304 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 170.69 Mbit/s
95th percentile per-packet one-way delay: 112.304 ms
Loss rate: 0.07%

Run 8: Report of Verus — Data Link

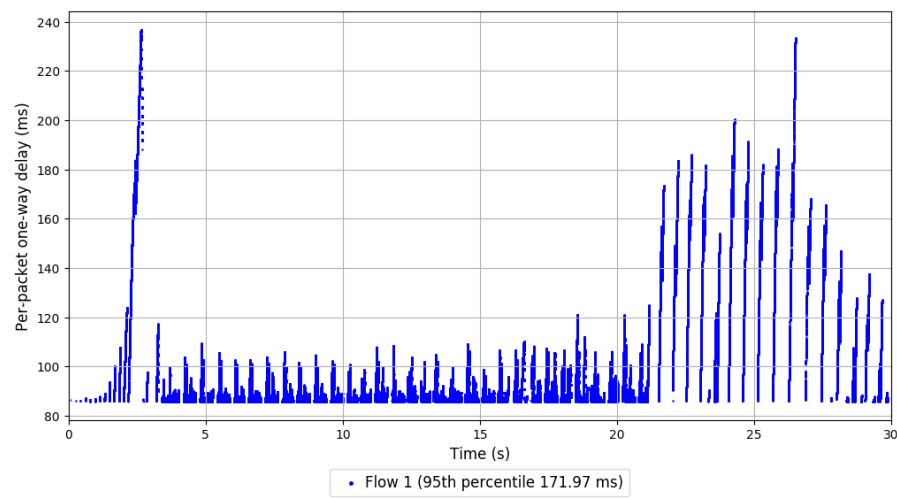
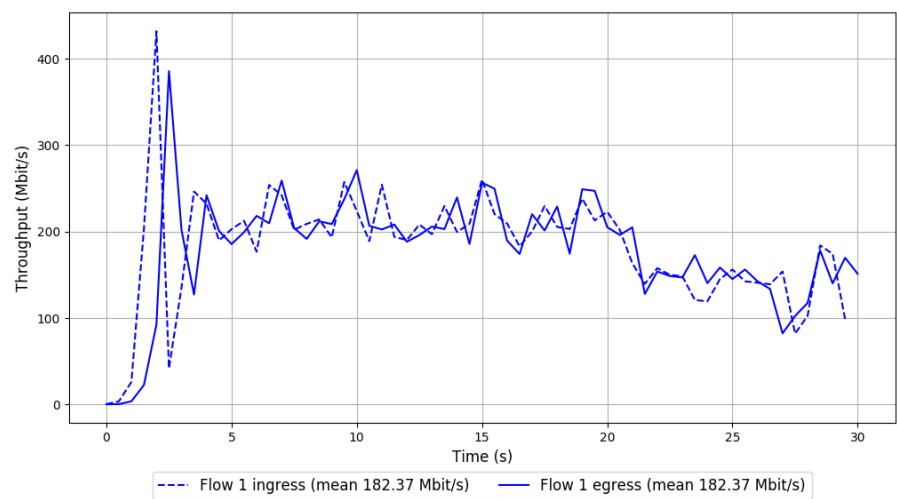


Run 9: Statistics of Verus

Start at: 2018-07-18 00:30:34
End at: 2018-07-18 00:31:04
Local clock offset: -0.056 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-07-18 03:00:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 182.37 Mbit/s
95th percentile per-packet one-way delay: 171.972 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 182.37 Mbit/s
95th percentile per-packet one-way delay: 171.972 ms
Loss rate: 0.00%

Run 9: Report of Verus — Data Link

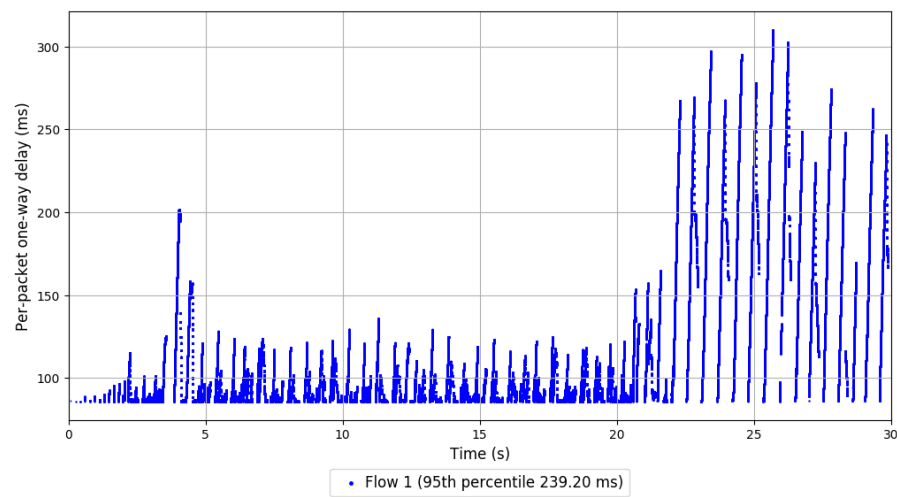
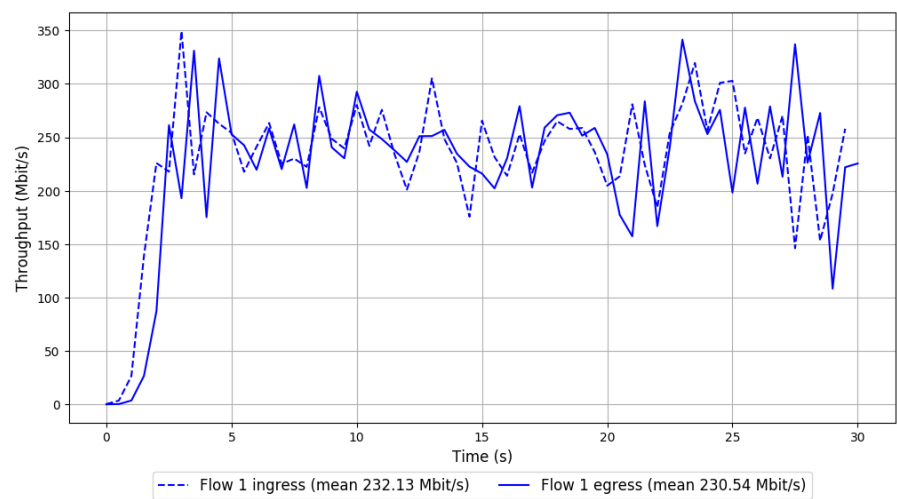


Run 10: Statistics of Verus

Start at: 2018-07-18 00:53:09
End at: 2018-07-18 00:53:39
Local clock offset: -0.049 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2018-07-18 03:01:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 230.54 Mbit/s
95th percentile per-packet one-way delay: 239.203 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 230.54 Mbit/s
95th percentile per-packet one-way delay: 239.203 ms
Loss rate: 0.69%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-17 21:45:04

End at: 2018-07-17 21:45:34

Local clock offset: -0.129 ms

Remote clock offset: -1.951 ms

Below is generated by plot.py at 2018-07-18 03:03:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 236.09 Mbit/s

95th percentile per-packet one-way delay: 89.856 ms

Loss rate: 0.01%

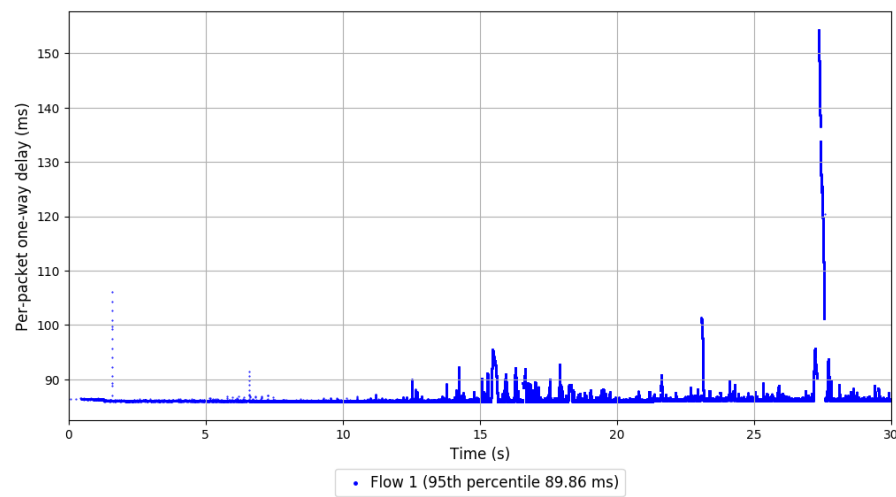
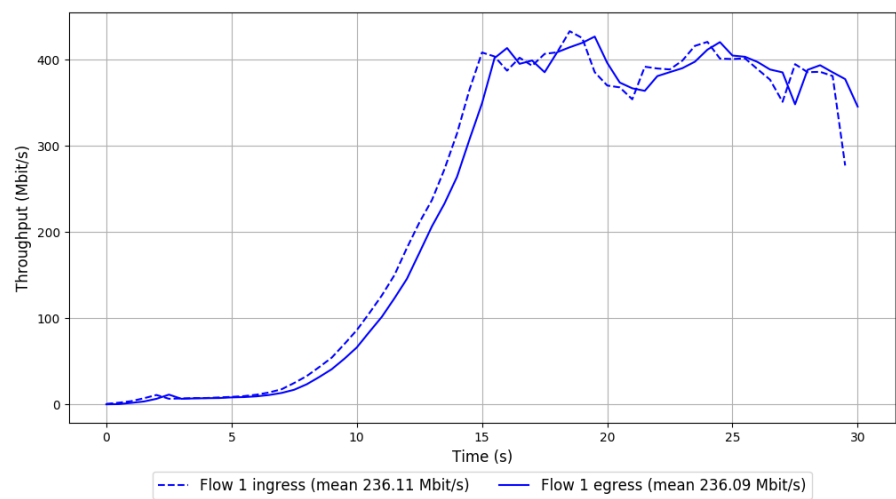
-- Flow 1:

Average throughput: 236.09 Mbit/s

95th percentile per-packet one-way delay: 89.856 ms

Loss rate: 0.01%

Run 1: Report of PCC-Vivace — Data Link

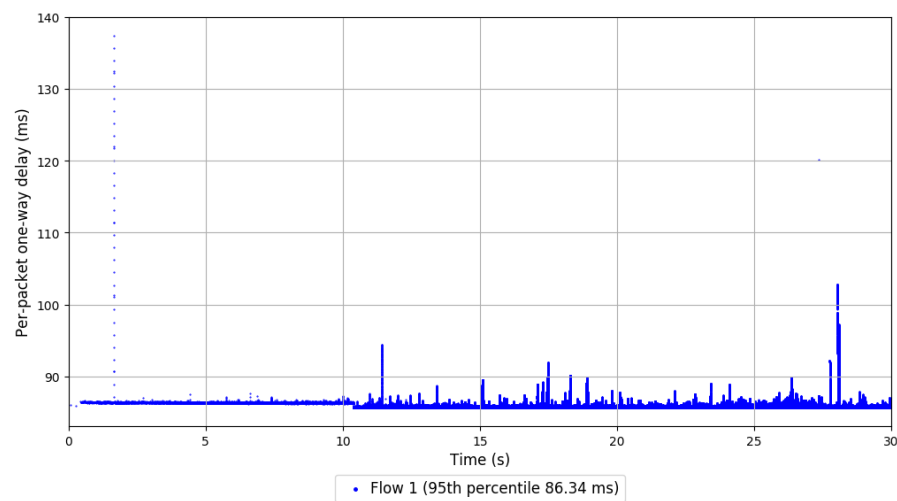
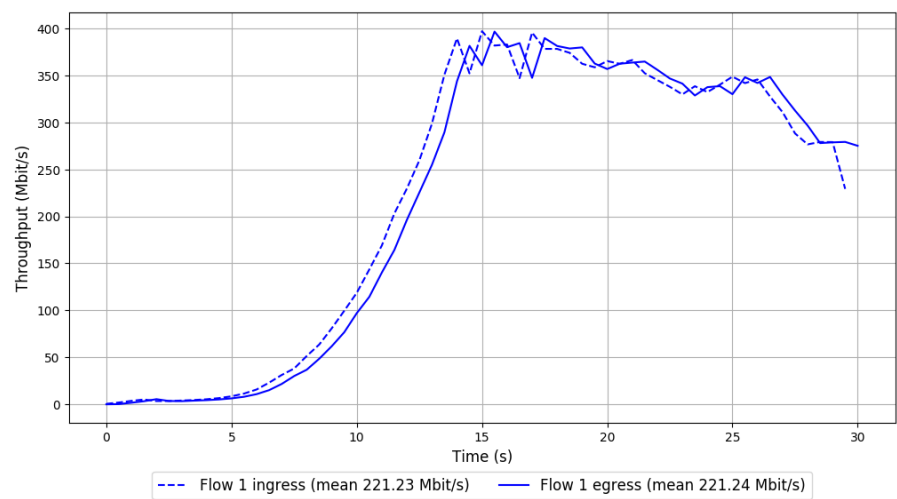


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-17 22:07:35
End at: 2018-07-17 22:08:05
Local clock offset: -0.324 ms
Remote clock offset: -2.903 ms

Below is generated by plot.py at 2018-07-18 03:03:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.24 Mbit/s
95th percentile per-packet one-way delay: 86.337 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 221.24 Mbit/s
95th percentile per-packet one-way delay: 86.337 ms
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-17 22:30:15

End at: 2018-07-17 22:30:45

Local clock offset: -0.84 ms

Remote clock offset: -5.303 ms

Below is generated by plot.py at 2018-07-18 03:04:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 274.82 Mbit/s

95th percentile per-packet one-way delay: 247.011 ms

Loss rate: 0.46%

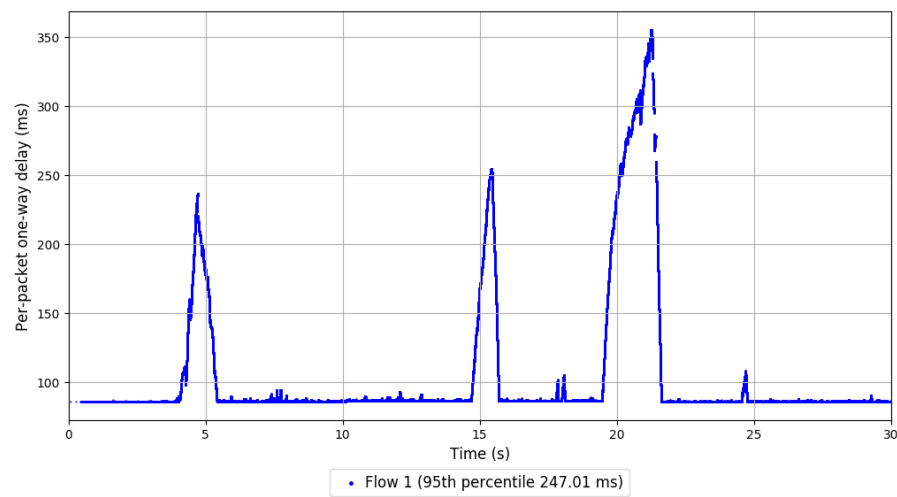
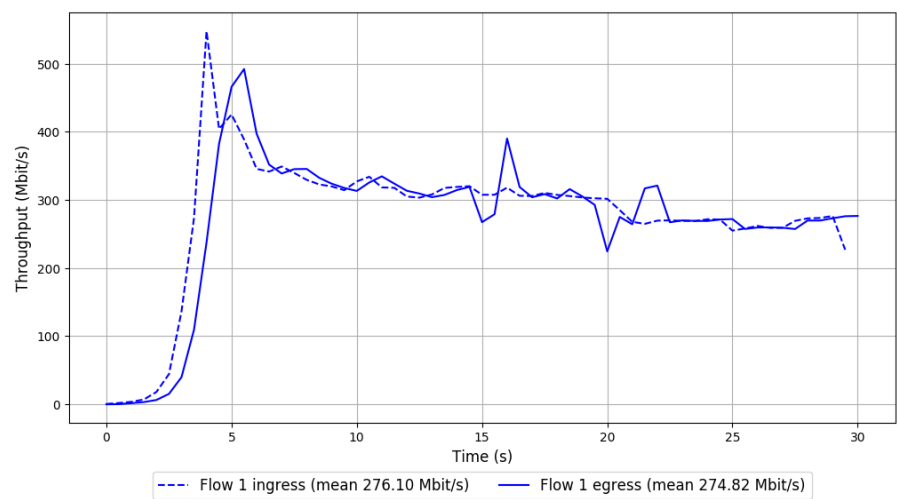
-- Flow 1:

Average throughput: 274.82 Mbit/s

95th percentile per-packet one-way delay: 247.011 ms

Loss rate: 0.46%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-17 22:52:43

End at: 2018-07-17 22:53:13

Local clock offset: -0.965 ms

Remote clock offset: -2.161 ms

Below is generated by plot.py at 2018-07-18 03:04:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 266.83 Mbit/s

95th percentile per-packet one-way delay: 165.395 ms

Loss rate: 0.13%

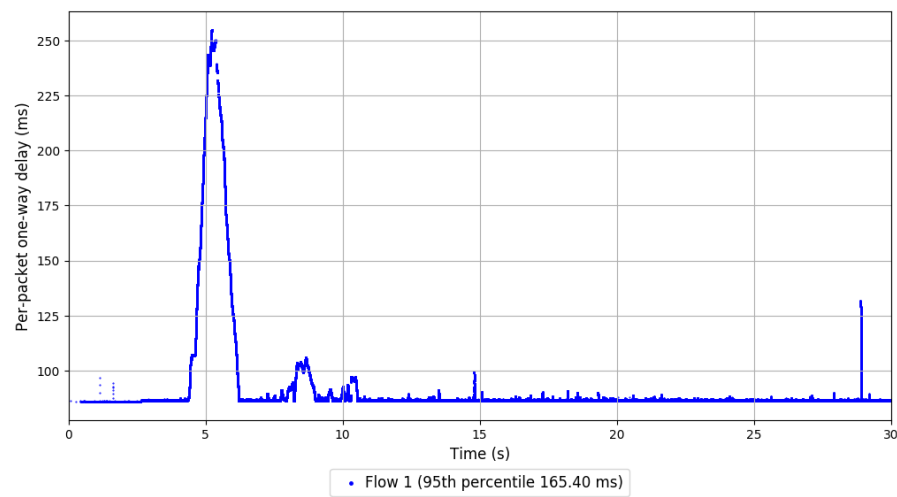
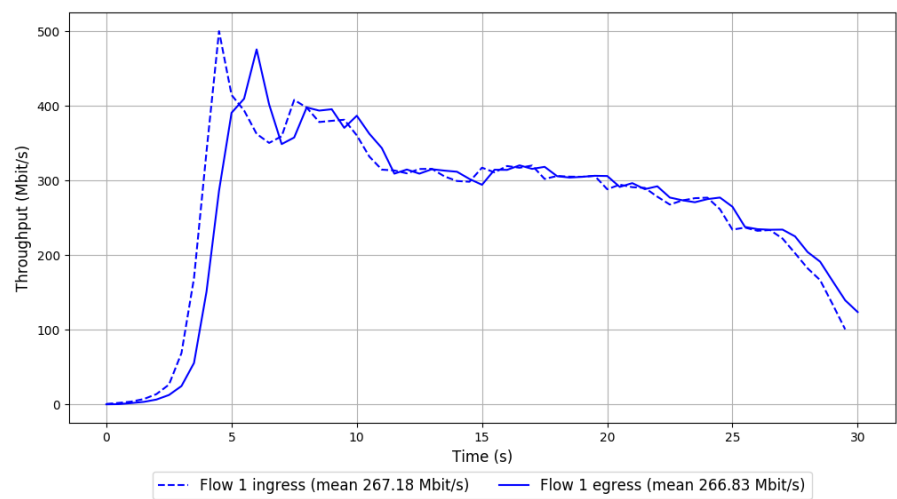
-- Flow 1:

Average throughput: 266.83 Mbit/s

95th percentile per-packet one-way delay: 165.395 ms

Loss rate: 0.13%

Run 4: Report of PCC-Vivace — Data Link

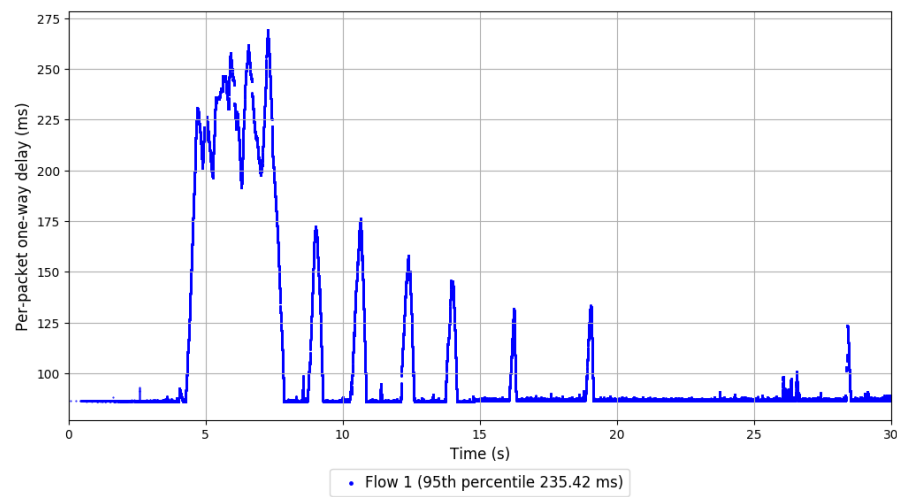
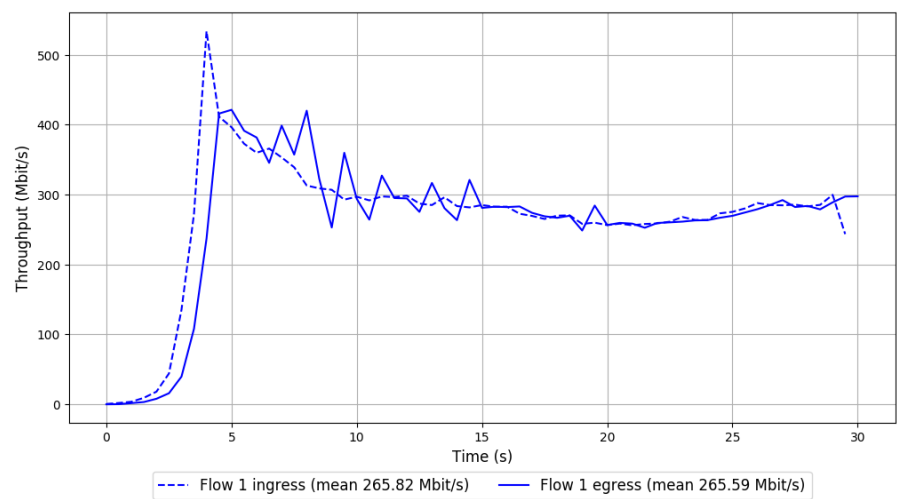


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-17 23:15:21
End at: 2018-07-17 23:15:51
Local clock offset: -0.334 ms
Remote clock offset: -1.468 ms

Below is generated by plot.py at 2018-07-18 03:04:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 265.59 Mbit/s
95th percentile per-packet one-way delay: 235.420 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 265.59 Mbit/s
95th percentile per-packet one-way delay: 235.420 ms
Loss rate: 0.08%

Run 5: Report of PCC-Vivace — Data Link

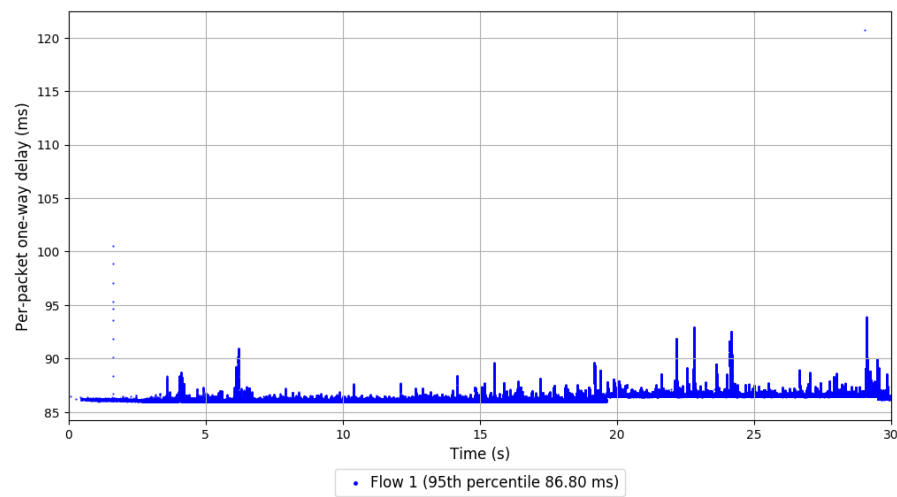
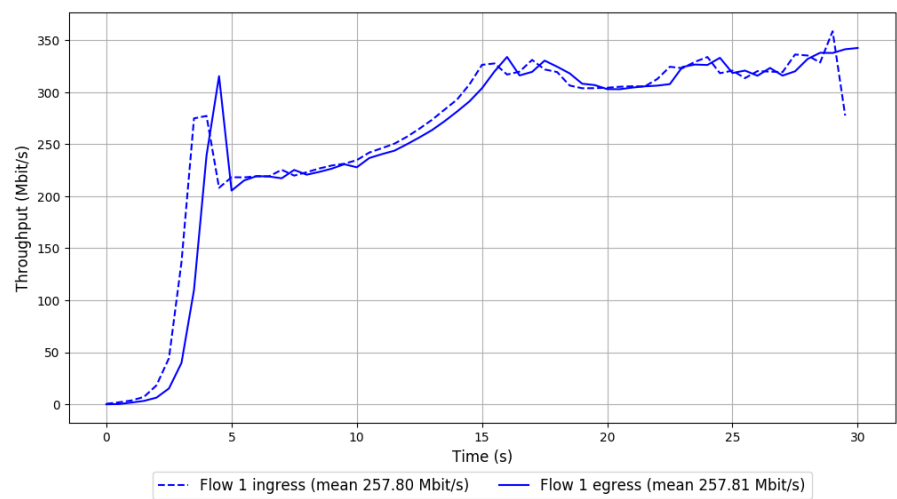


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-17 23:37:56
End at: 2018-07-17 23:38:26
Local clock offset: -0.201 ms
Remote clock offset: -1.262 ms

Below is generated by plot.py at 2018-07-18 03:05:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 257.81 Mbit/s
95th percentile per-packet one-way delay: 86.795 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 257.81 Mbit/s
95th percentile per-packet one-way delay: 86.795 ms
Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link

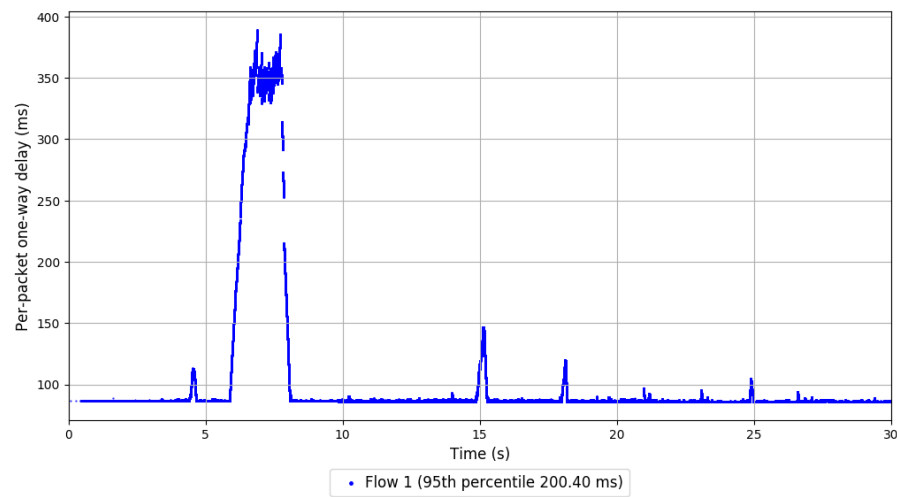
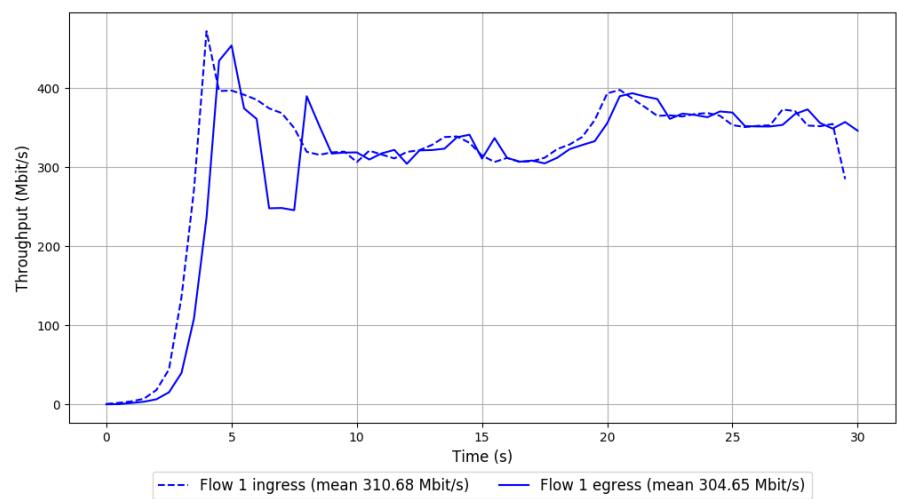


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-18 00:00:16
End at: 2018-07-18 00:00:46
Local clock offset: -0.116 ms
Remote clock offset: -0.358 ms

Below is generated by plot.py at 2018-07-18 03:05:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 304.65 Mbit/s
95th percentile per-packet one-way delay: 200.400 ms
Loss rate: 1.94%
-- Flow 1:
Average throughput: 304.65 Mbit/s
95th percentile per-packet one-way delay: 200.400 ms
Loss rate: 1.94%

Run 7: Report of PCC-Vivace — Data Link

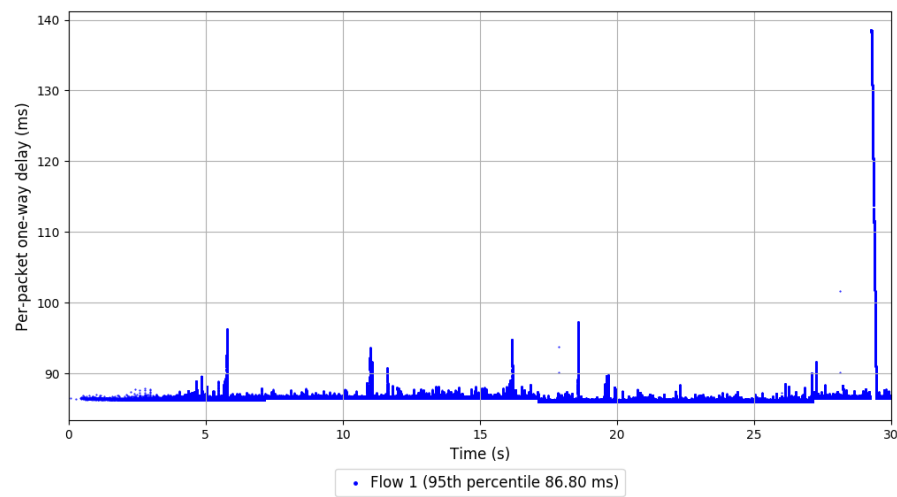
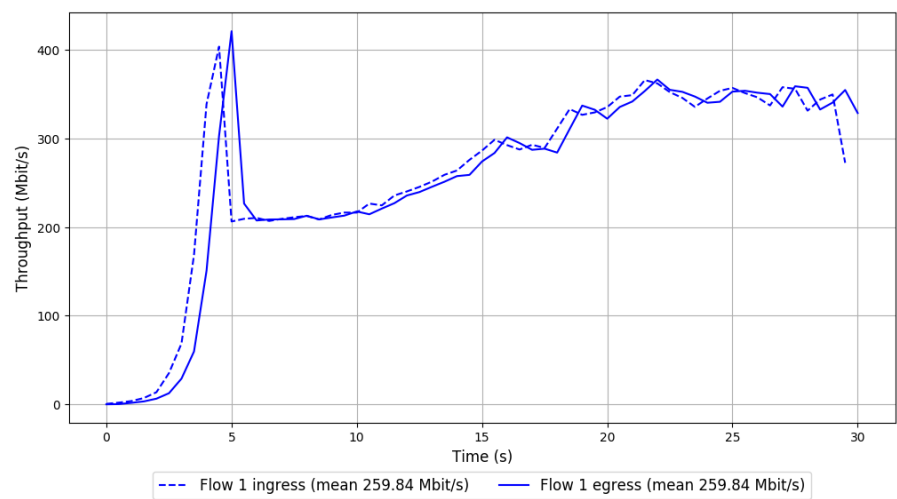


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-18 00:22:48
End at: 2018-07-18 00:23:18
Local clock offset: -0.236 ms
Remote clock offset: -0.152 ms

Below is generated by plot.py at 2018-07-18 03:05:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 259.84 Mbit/s
95th percentile per-packet one-way delay: 86.804 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 259.84 Mbit/s
95th percentile per-packet one-way delay: 86.804 ms
Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link

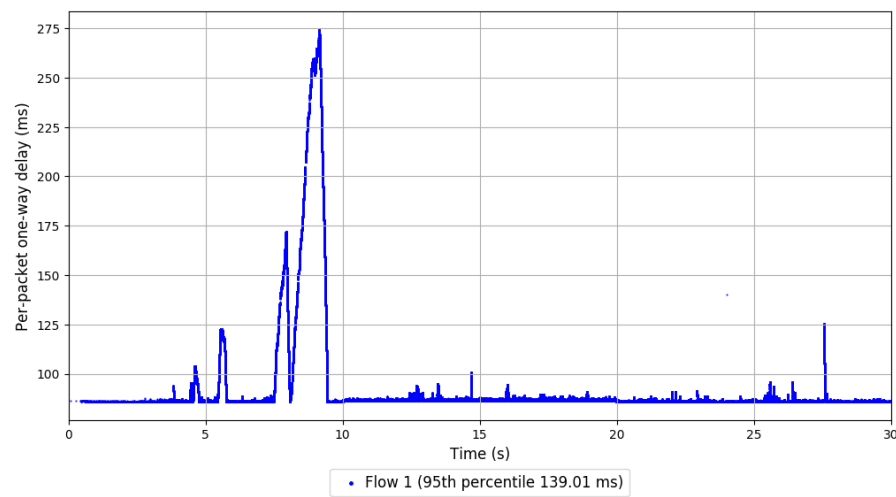
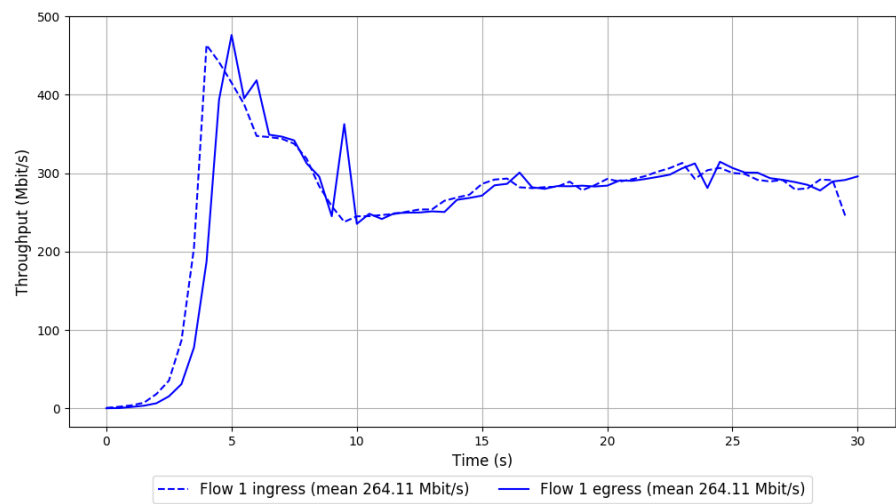


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-18 00:45:25
End at: 2018-07-18 00:45:55
Local clock offset: 0.018 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-07-18 03:06:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 264.11 Mbit/s
95th percentile per-packet one-way delay: 139.008 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 264.11 Mbit/s
95th percentile per-packet one-way delay: 139.008 ms
Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-18 01:07:58

End at: 2018-07-18 01:08:28

Local clock offset: -0.185 ms

Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-07-18 03:06:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 296.83 Mbit/s

95th percentile per-packet one-way delay: 88.006 ms

Loss rate: 0.00%

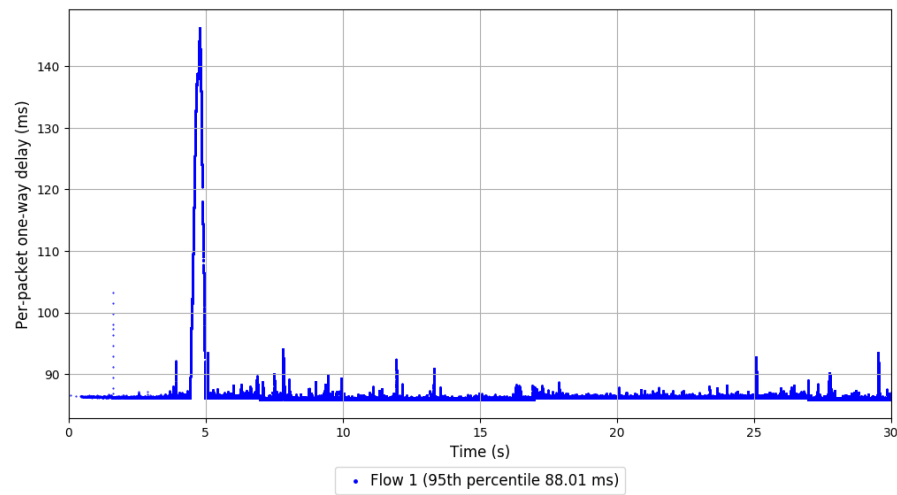
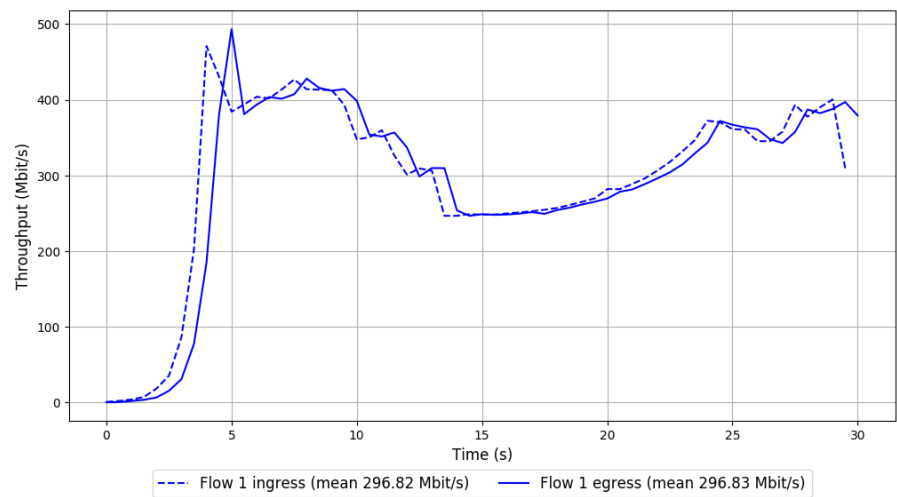
-- Flow 1:

Average throughput: 296.83 Mbit/s

95th percentile per-packet one-way delay: 88.006 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

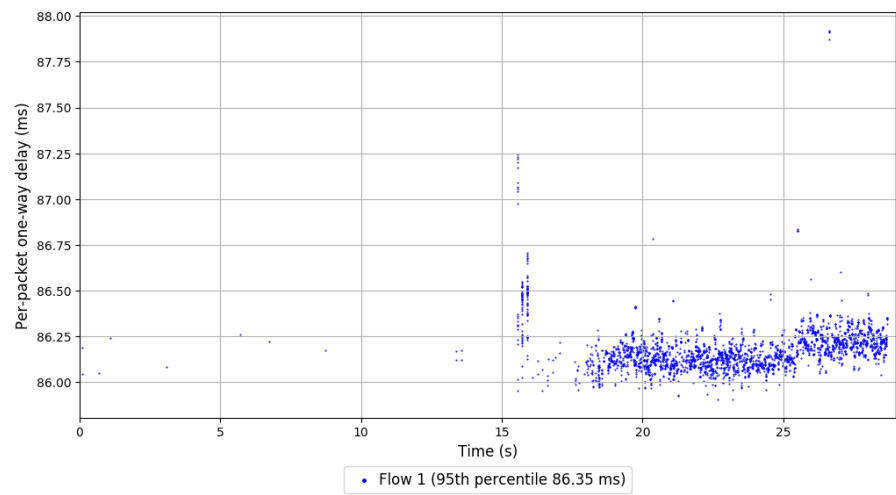
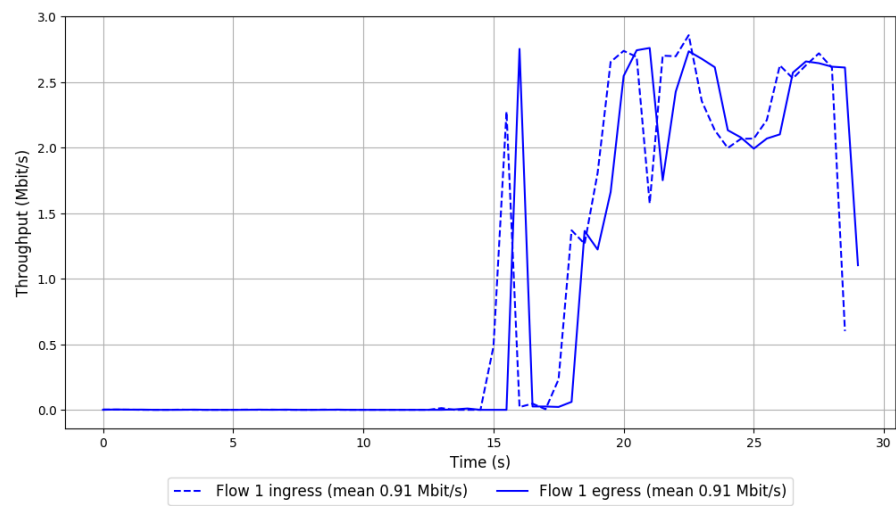


```
Run 1: Statistics of WebRTC media

Start at: 2018-07-17 21:46:29
End at: 2018-07-17 21:46:59
Local clock offset: -0.357 ms
Remote clock offset: -1.924 ms

# Below is generated by plot.py at 2018-07-18 03:06:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.91 Mbit/s
95th percentile per-packet one-way delay: 86.347 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.91 Mbit/s
95th percentile per-packet one-way delay: 86.347 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

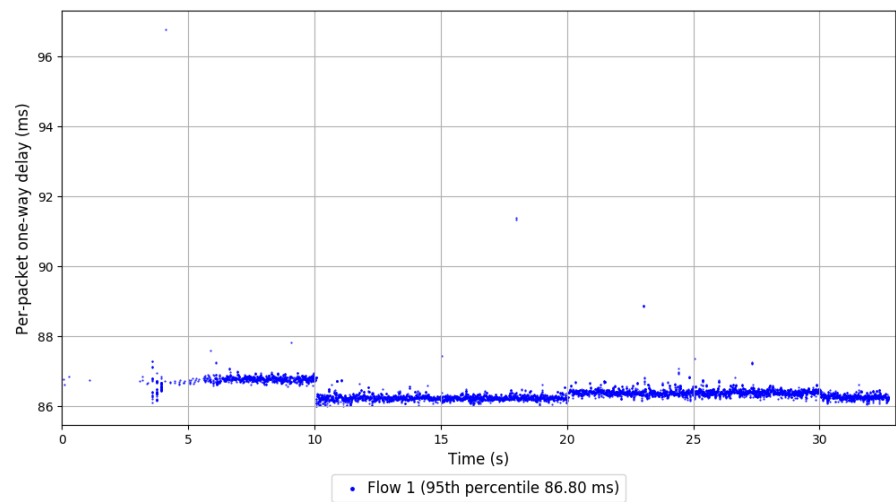
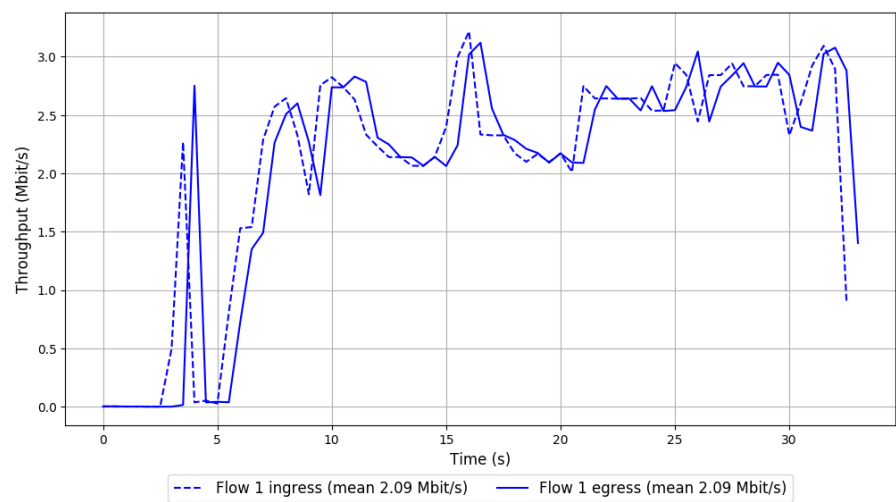


Run 2: Statistics of WebRTC media

Start at: 2018-07-17 22:08:58
End at: 2018-07-17 22:09:28
Local clock offset: -0.505 ms
Remote clock offset: -2.829 ms

Below is generated by plot.py at 2018-07-18 03:06:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.09 Mbit/s
95th percentile per-packet one-way delay: 86.802 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.09 Mbit/s
95th percentile per-packet one-way delay: 86.802 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

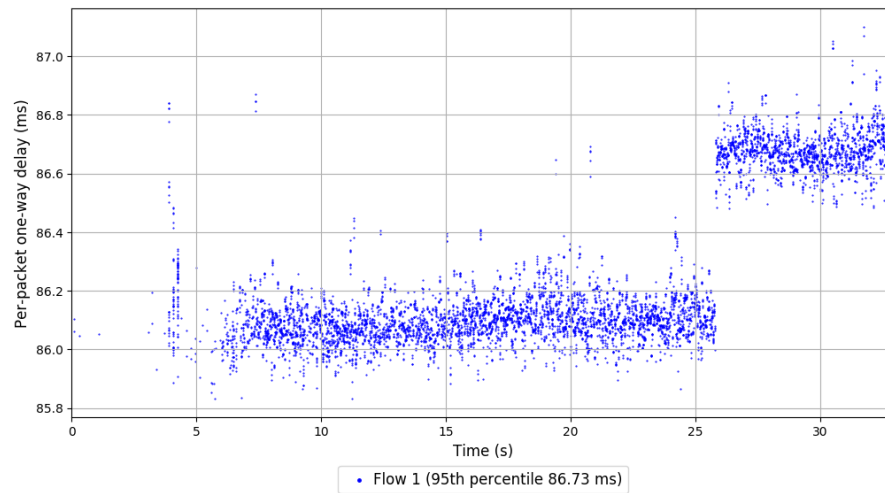
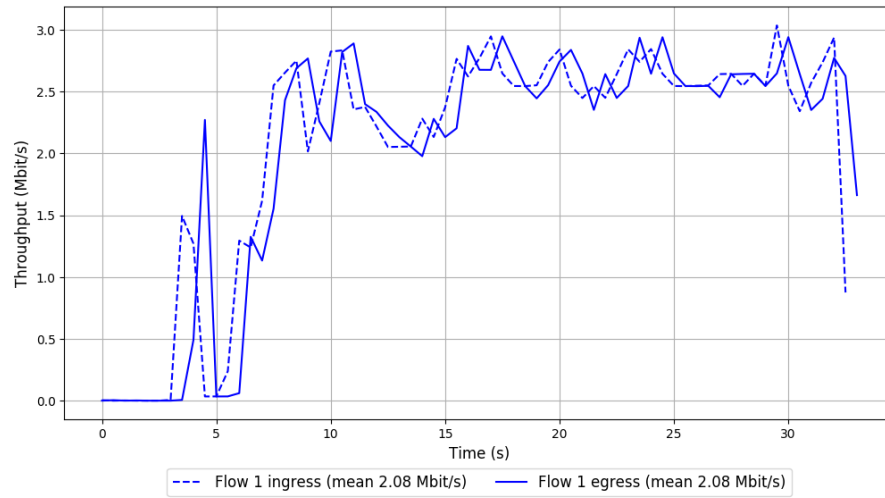


Run 3: Statistics of WebRTC media

Start at: 2018-07-17 22:31:42
End at: 2018-07-17 22:32:12
Local clock offset: -0.642 ms
Remote clock offset: -5.515 ms

Below is generated by plot.py at 2018-07-18 03:06:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 86.730 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 86.730 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

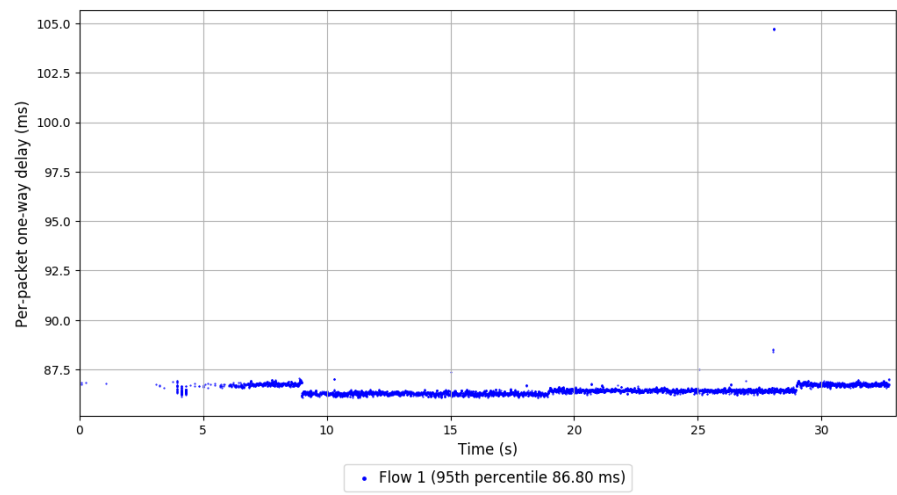
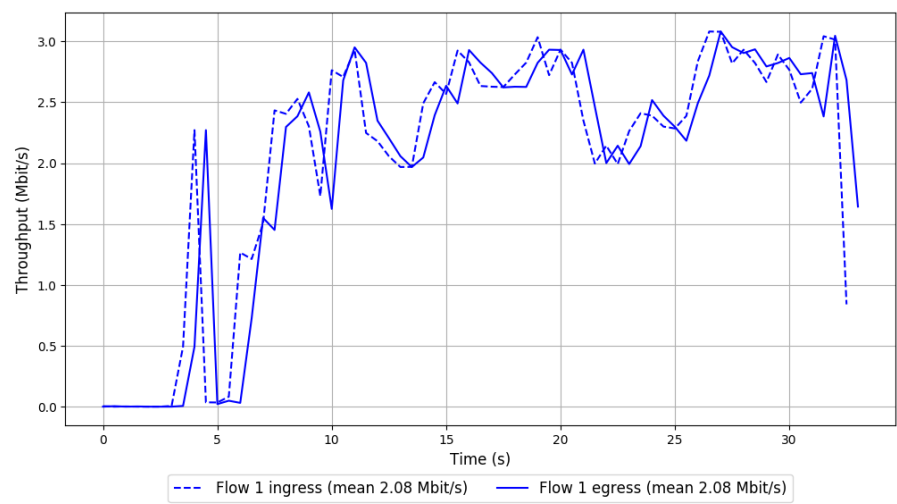


Run 4: Statistics of WebRTC media

Start at: 2018-07-17 22:54:09
End at: 2018-07-17 22:54:39
Local clock offset: -1.026 ms
Remote clock offset: -2.162 ms

Below is generated by plot.py at 2018-07-18 03:06:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 86.797 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 86.797 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

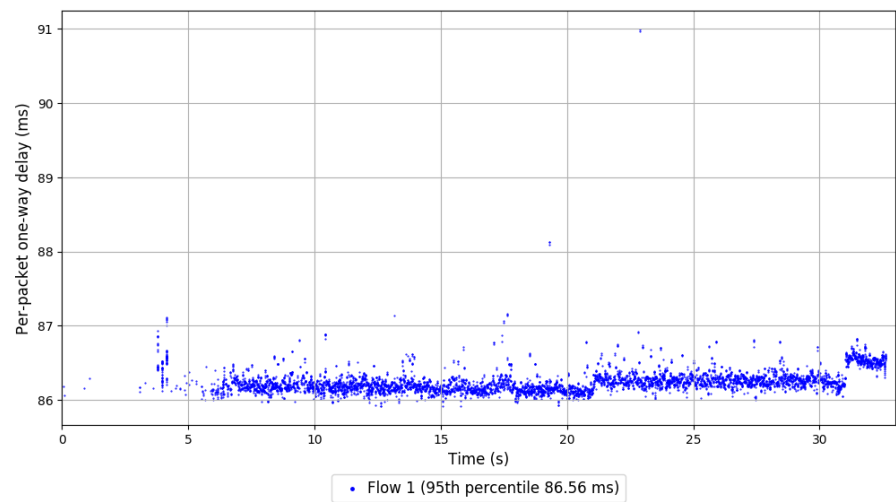
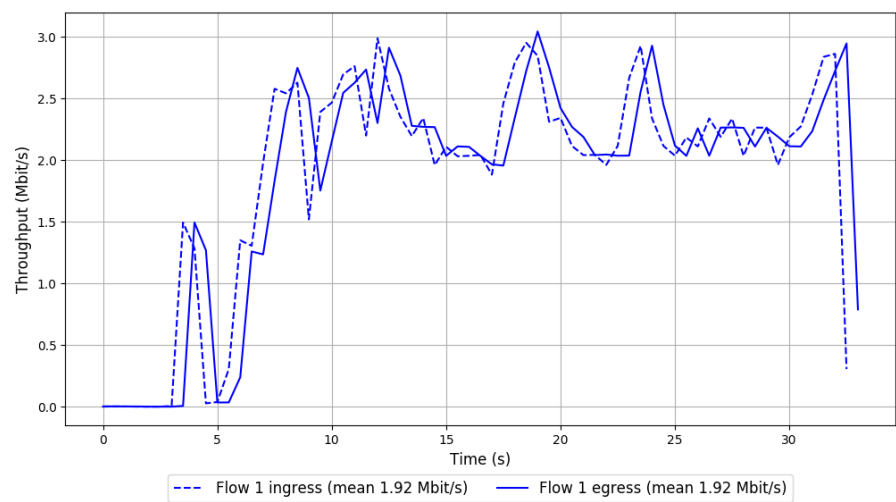


Run 5: Statistics of WebRTC media

Start at: 2018-07-17 23:16:47
End at: 2018-07-17 23:17:17
Local clock offset: -0.151 ms
Remote clock offset: -1.339 ms

Below is generated by plot.py at 2018-07-18 03:06:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 86.556 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 86.556 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

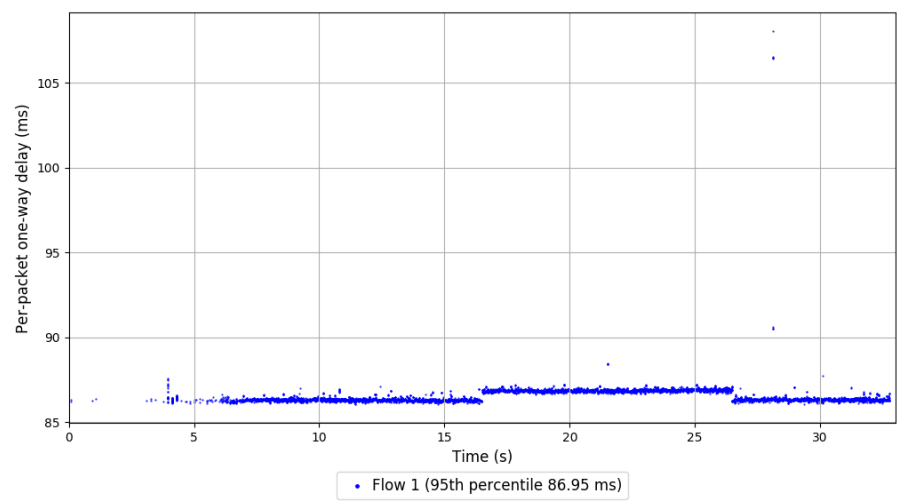
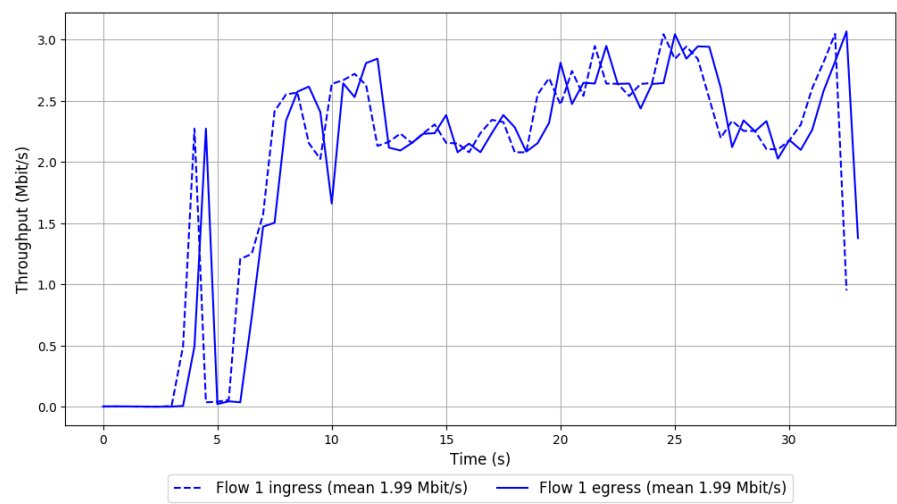


Run 6: Statistics of WebRTC media

Start at: 2018-07-17 23:39:22
End at: 2018-07-17 23:39:52
Local clock offset: -0.323 ms
Remote clock offset: -1.357 ms

Below is generated by plot.py at 2018-07-18 03:06:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 86.954 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 86.954 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

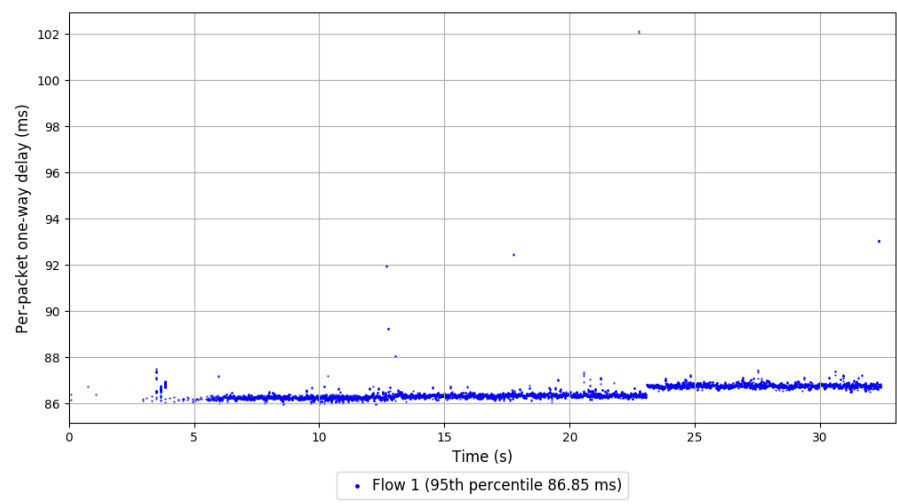
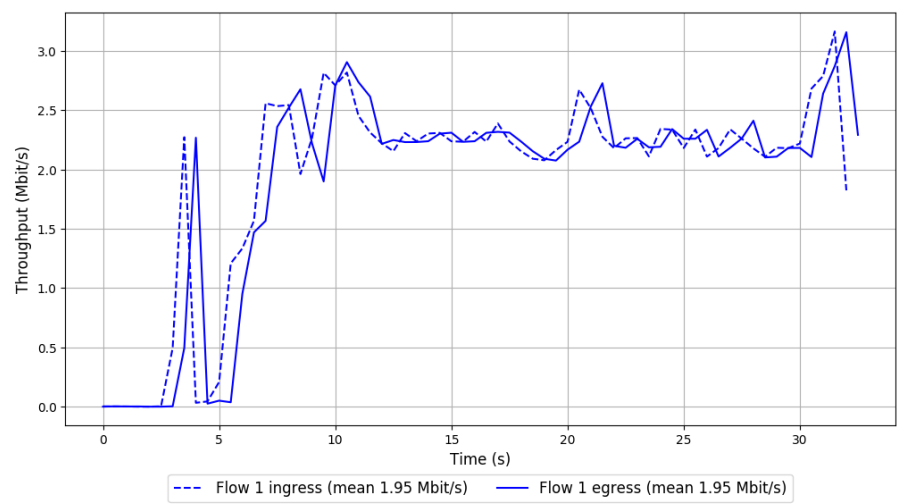


Run 7: Statistics of WebRTC media

Start at: 2018-07-18 00:01:45
End at: 2018-07-18 00:02:15
Local clock offset: -0.105 ms
Remote clock offset: -0.336 ms

Below is generated by plot.py at 2018-07-18 03:06:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 86.848 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 86.848 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

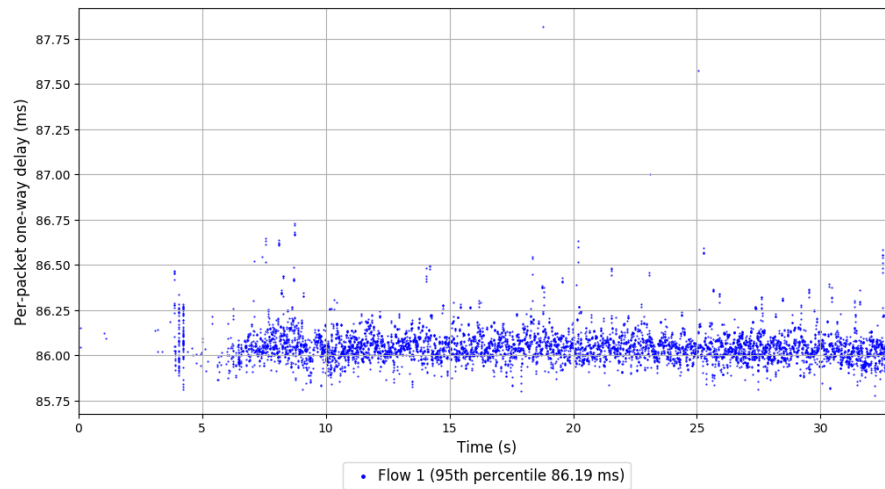
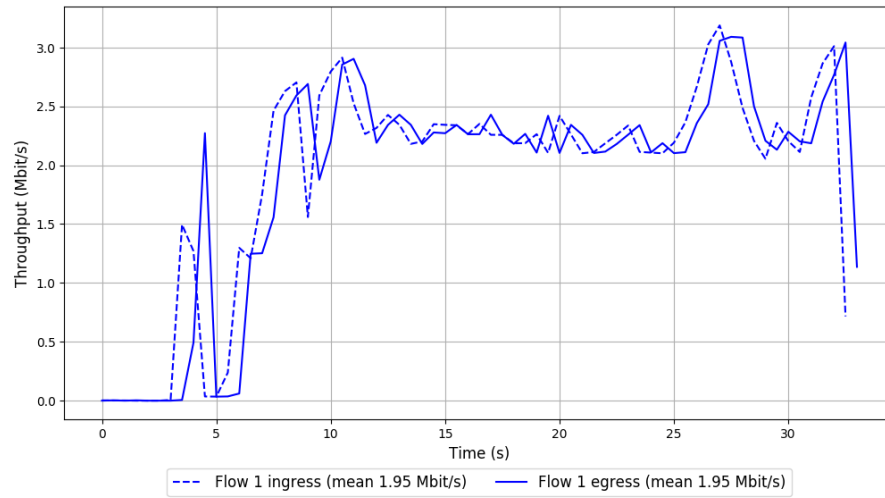


Run 8: Statistics of WebRTC media

Start at: 2018-07-18 00:24:14
End at: 2018-07-18 00:24:44
Local clock offset: -0.004 ms
Remote clock offset: -0.158 ms

Below is generated by plot.py at 2018-07-18 03:06:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 86.187 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 86.187 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

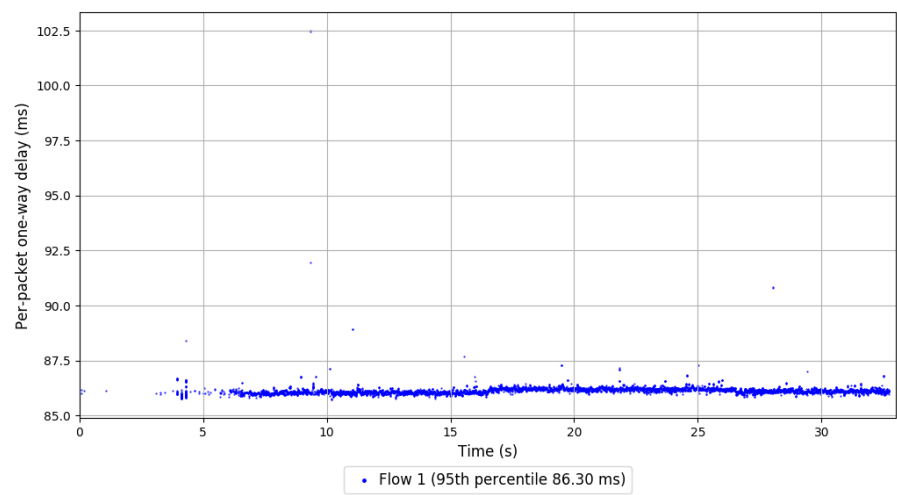
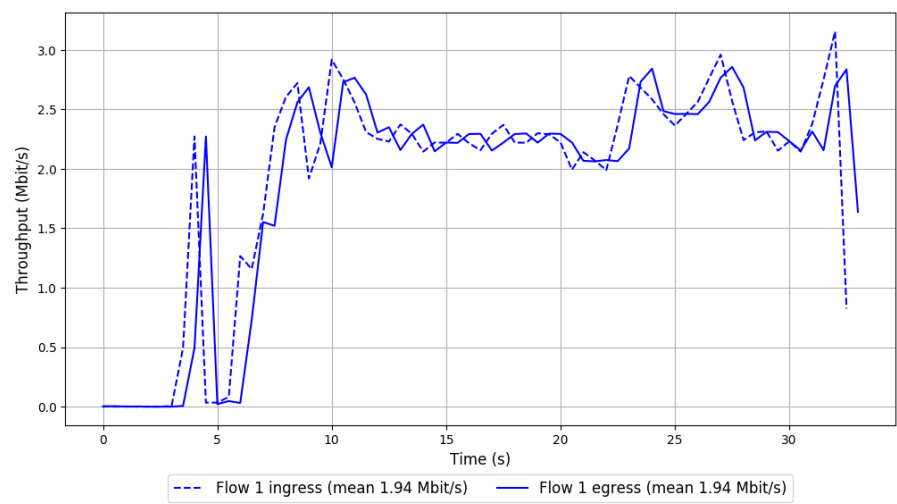


Run 9: Statistics of WebRTC media

Start at: 2018-07-18 00:46:52
End at: 2018-07-18 00:47:22
Local clock offset: 0.021 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2018-07-18 03:06:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 86.304 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 86.304 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-18 01:09:27

End at: 2018-07-18 01:09:57

Local clock offset: -0.284 ms

Remote clock offset: -0.12 ms

Below is generated by plot.py at 2018-07-18 03:06:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 86.617 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 86.617 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

