

Pantheon Report

Generated at 2018-05-22 02:12:53 (UTC).

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

Repeated the test of 16 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

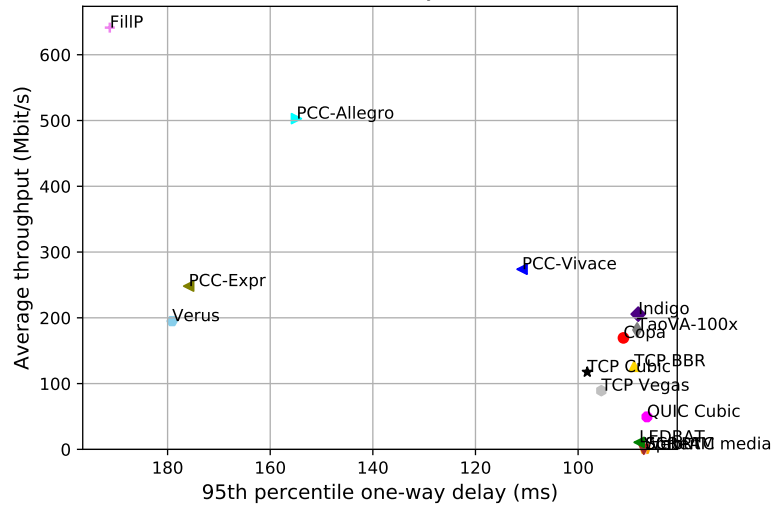
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

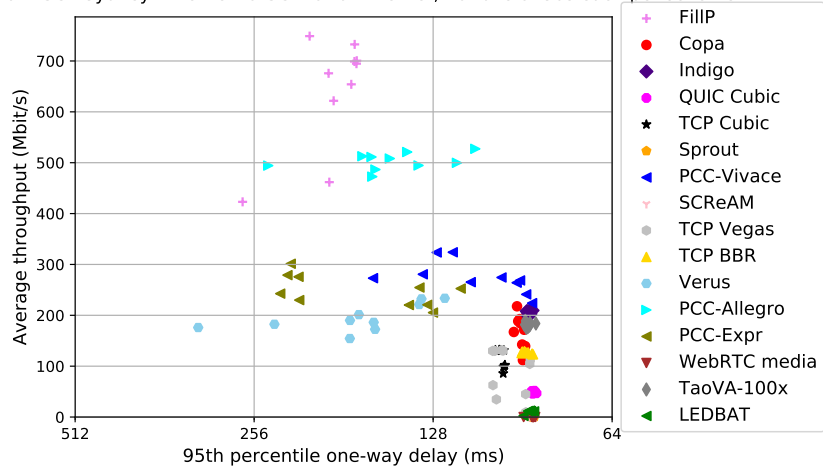
Git summary:

```
branch: master @ 2d1d4407e851ba626e5ca4626a306105793df686
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
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
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



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



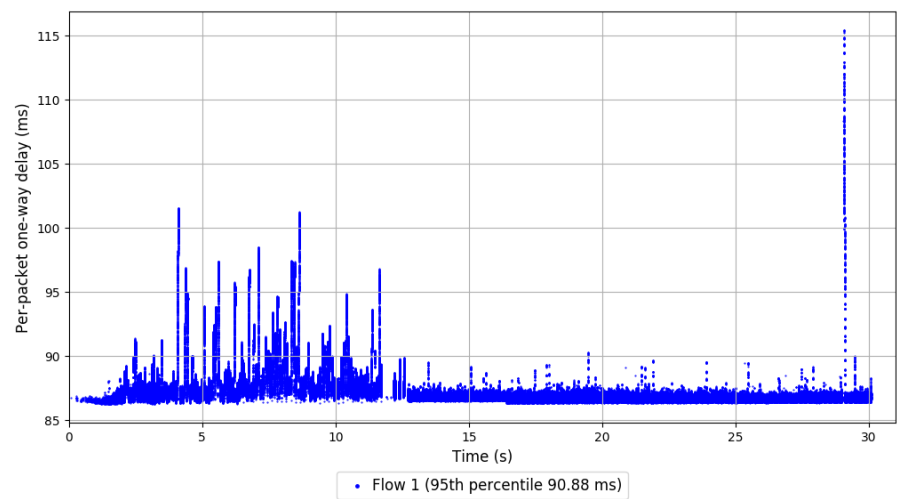
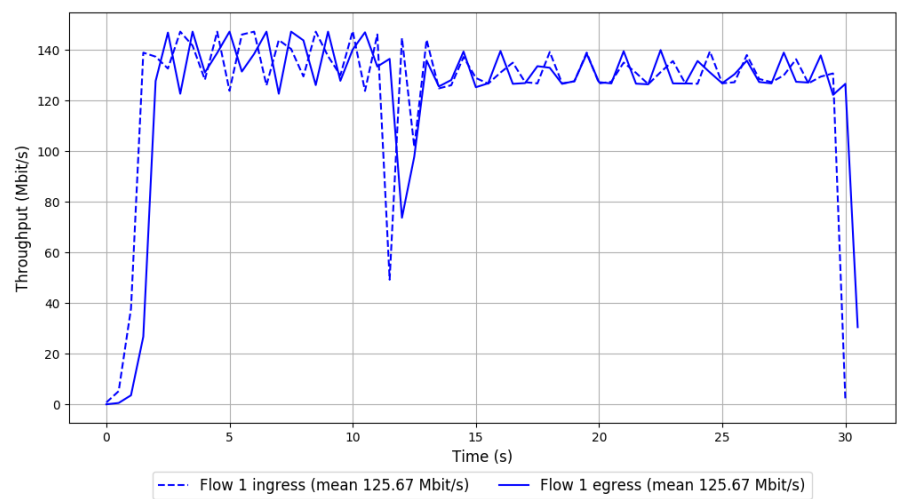
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	126.33	89.08	0.00
Copa	10	169.44	91.17	0.00
TCP Cubic	10	117.55	98.21	0.04
FillP	10	641.22	191.26	7.82
Indigo	10	205.61	88.29	0.00
LEDBAT	10	10.66	88.11	0.00
PCC-Allegro	10	502.85	154.89	1.27
PCC-Expr	10	248.19	175.90	2.05
QUIC Cubic	9	49.41	86.58	0.00
SCReAM	10	0.22	86.93	0.00
Sprout	10	0.26	86.94	0.00
TaoVA-100x	10	181.60	88.49	0.00
TCP Vegas	10	89.18	95.48	0.09
Verus	10	194.98	179.12	1.64
PCC-Vivace	10	273.84	110.93	0.21
WebRTC media	10	0.05	87.20	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-05-21 21:45:42
End at: 2018-05-21 21:46:12
Local clock offset: 14.106 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-05-22 01:03:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 125.67 Mbit/s
95th percentile per-packet one-way delay: 90.879 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 125.67 Mbit/s
95th percentile per-packet one-way delay: 90.879 ms
Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link

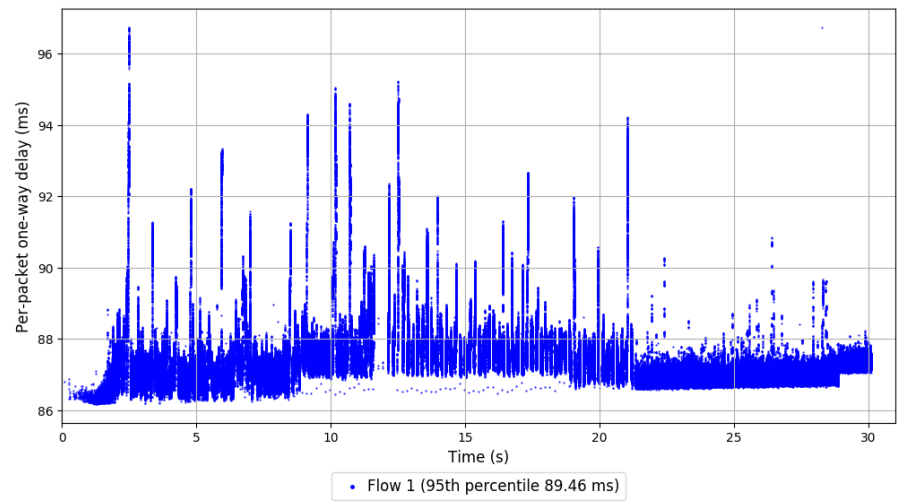
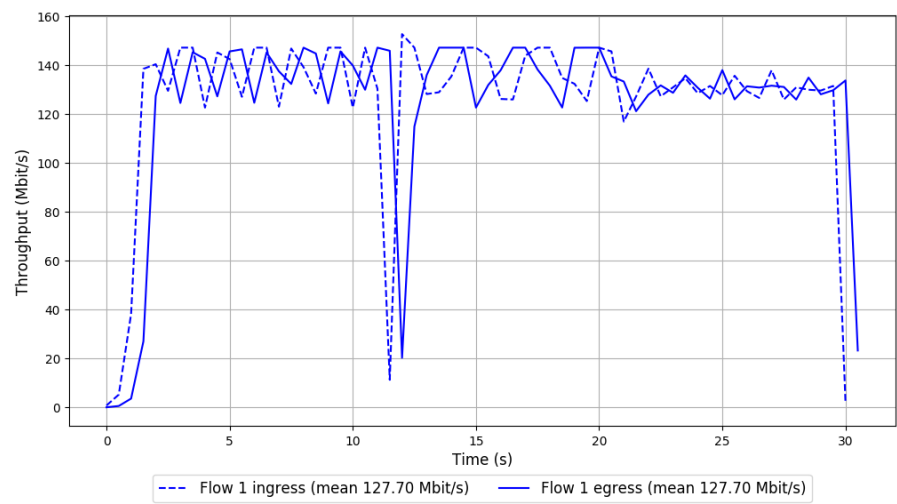


Run 2: Statistics of TCP BBR

Start at: 2018-05-21 22:05:59
End at: 2018-05-21 22:06:29
Local clock offset: 26.557 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-05-22 01:03:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 127.70 Mbit/s
95th percentile per-packet one-way delay: 89.460 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 127.70 Mbit/s
95th percentile per-packet one-way delay: 89.460 ms
Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-05-21 22:26:26

End at: 2018-05-21 22:26:56

Local clock offset: 10.84 ms

Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-05-22 01:03:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 125.54 Mbit/s

95th percentile per-packet one-way delay: 90.328 ms

Loss rate: 0.00%

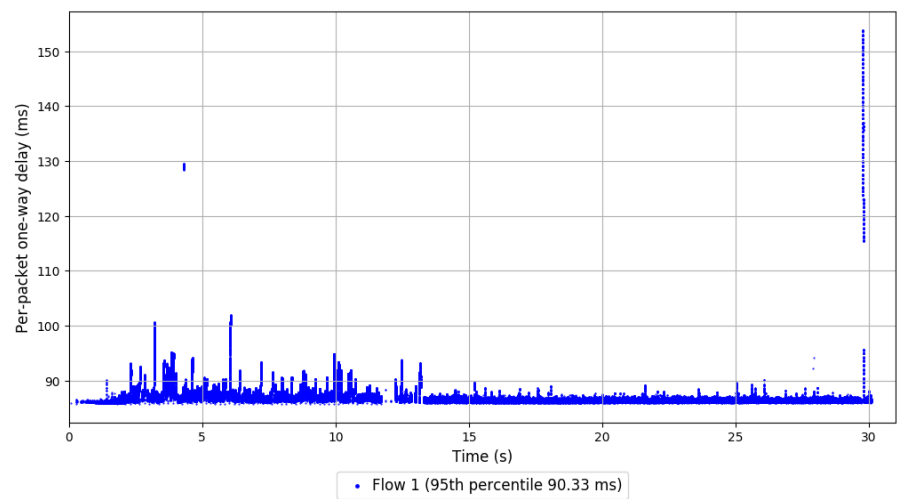
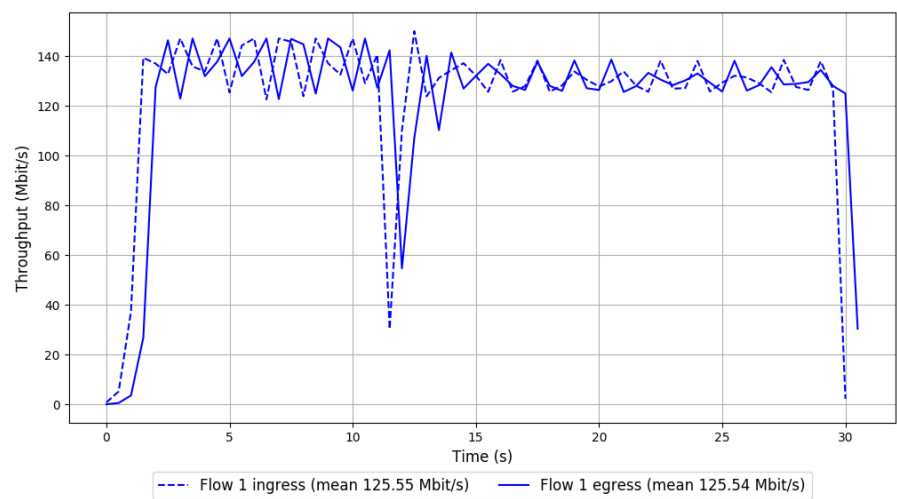
-- Flow 1:

Average throughput: 125.54 Mbit/s

95th percentile per-packet one-way delay: 90.328 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-05-21 22:46:51

End at: 2018-05-21 22:47:21

Local clock offset: 8.452 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-05-22 01:03:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 124.64 Mbit/s

95th percentile per-packet one-way delay: 87.245 ms

Loss rate: 0.00%

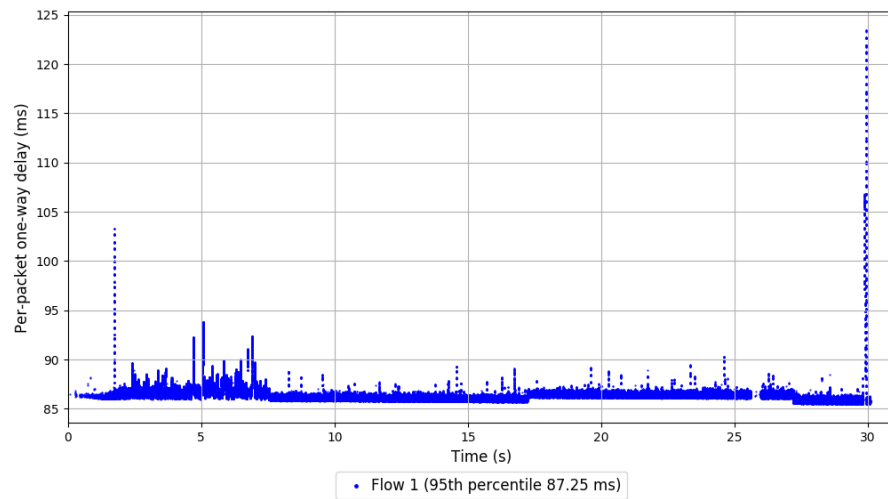
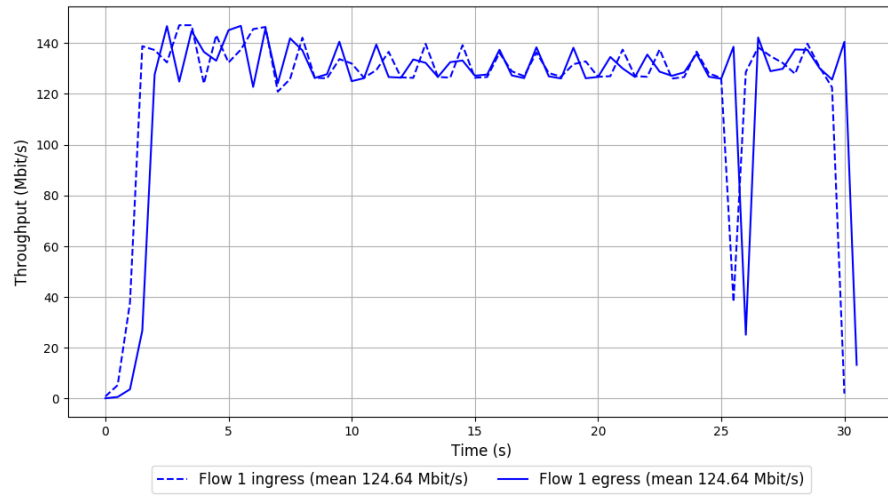
-- Flow 1:

Average throughput: 124.64 Mbit/s

95th percentile per-packet one-way delay: 87.245 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-05-21 23:07:25

End at: 2018-05-21 23:07:55

Local clock offset: 3.146 ms

Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-05-22 01:03:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 129.50 Mbit/s

95th percentile per-packet one-way delay: 89.875 ms

Loss rate: 0.00%

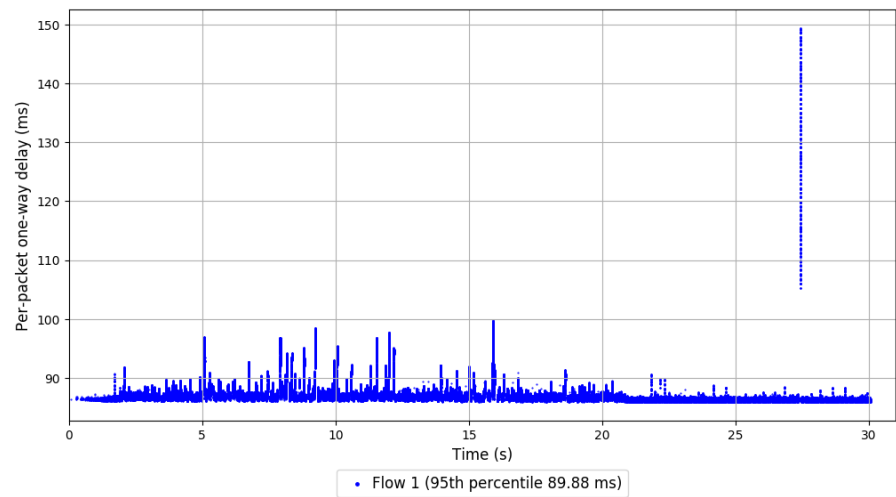
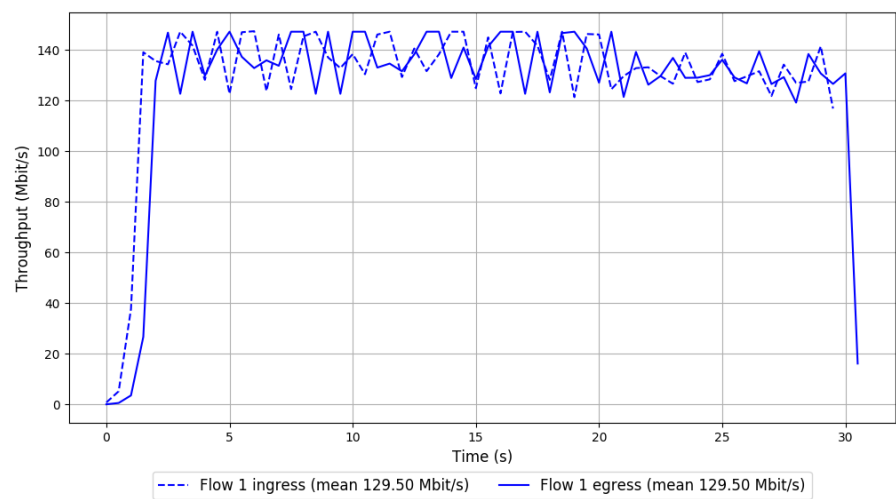
-- Flow 1:

Average throughput: 129.50 Mbit/s

95th percentile per-packet one-way delay: 89.875 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-05-21 23:28:04

End at: 2018-05-21 23:28:34

Local clock offset: 1.157 ms

Remote clock offset: 0.036 ms

Below is generated by plot.py at 2018-05-22 01:03:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 127.26 Mbit/s

95th percentile per-packet one-way delay: 88.616 ms

Loss rate: 0.00%

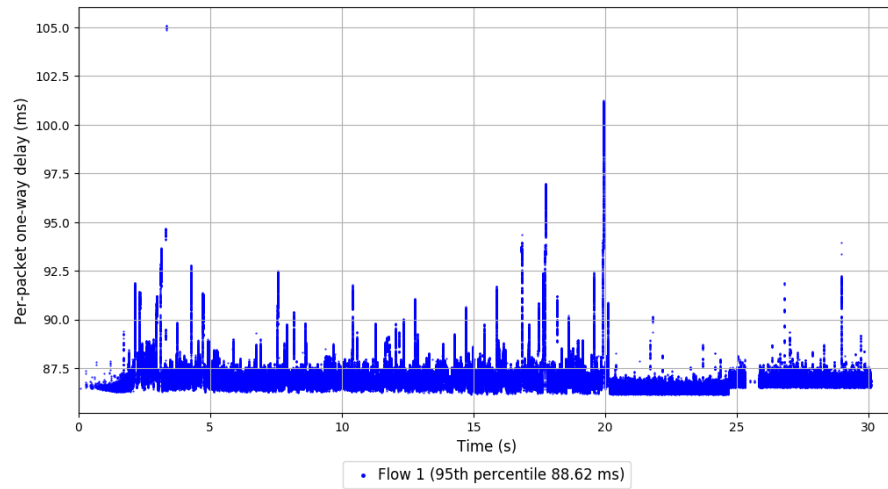
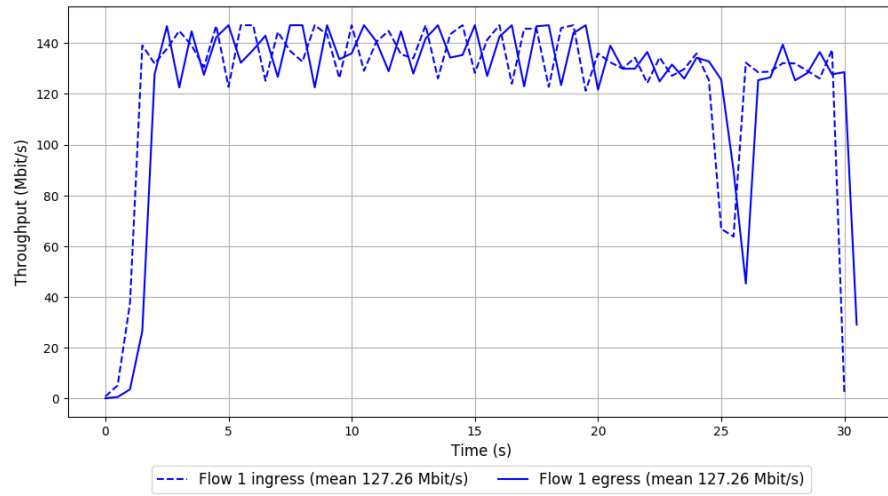
-- Flow 1:

Average throughput: 127.26 Mbit/s

95th percentile per-packet one-way delay: 88.616 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-05-21 23:48:46

End at: 2018-05-21 23:49:16

Local clock offset: 1.468 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2018-05-22 01:03:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 127.05 Mbit/s

95th percentile per-packet one-way delay: 89.569 ms

Loss rate: 0.00%

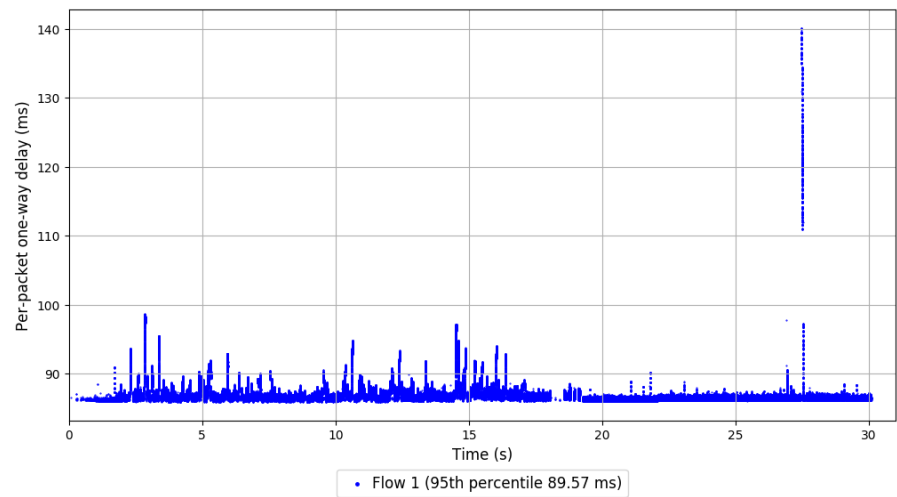
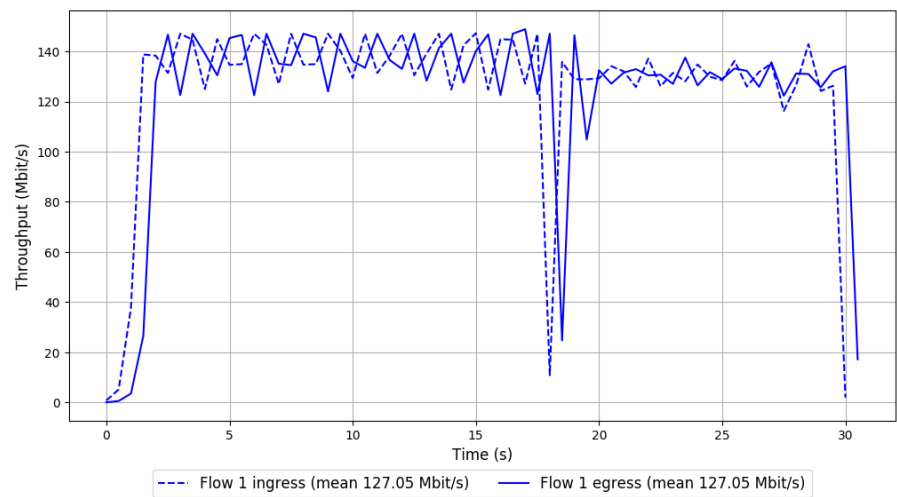
-- Flow 1:

Average throughput: 127.05 Mbit/s

95th percentile per-packet one-way delay: 89.569 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-05-22 00:09:12

End at: 2018-05-22 00:09:42

Local clock offset: 0.595 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-05-22 01:03:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 123.79 Mbit/s

95th percentile per-packet one-way delay: 87.223 ms

Loss rate: 0.00%

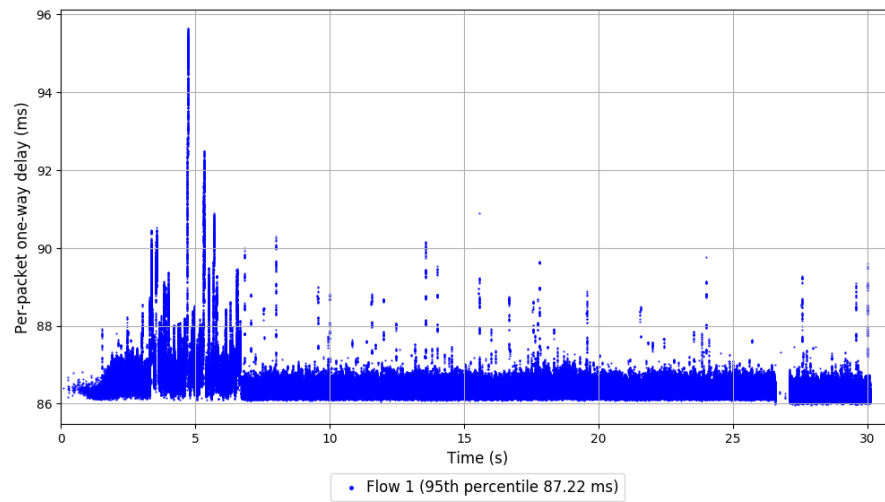
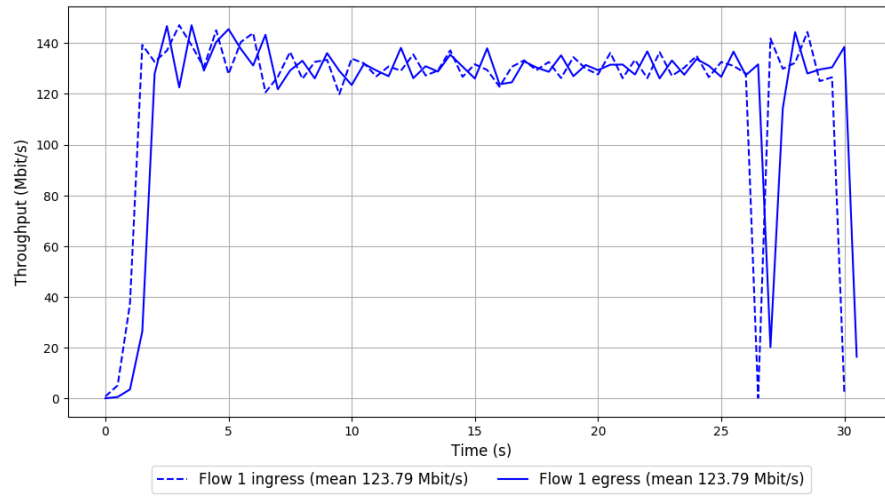
-- Flow 1:

Average throughput: 123.79 Mbit/s

95th percentile per-packet one-way delay: 87.223 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link

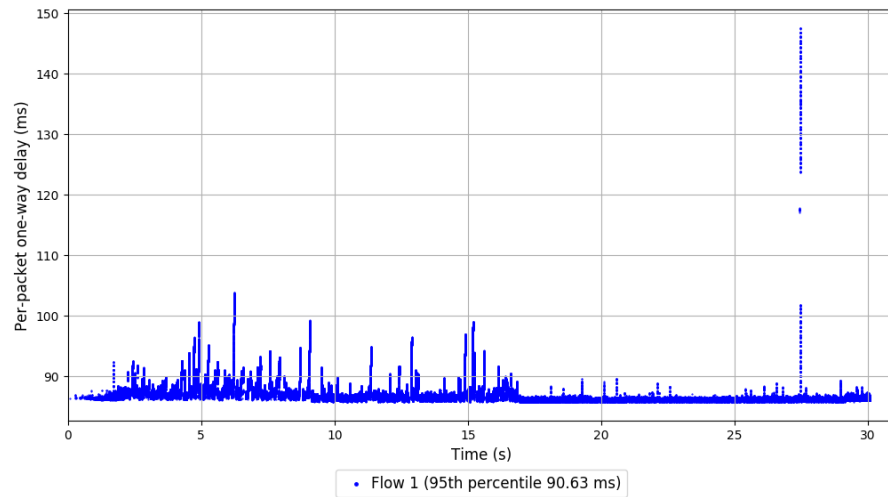
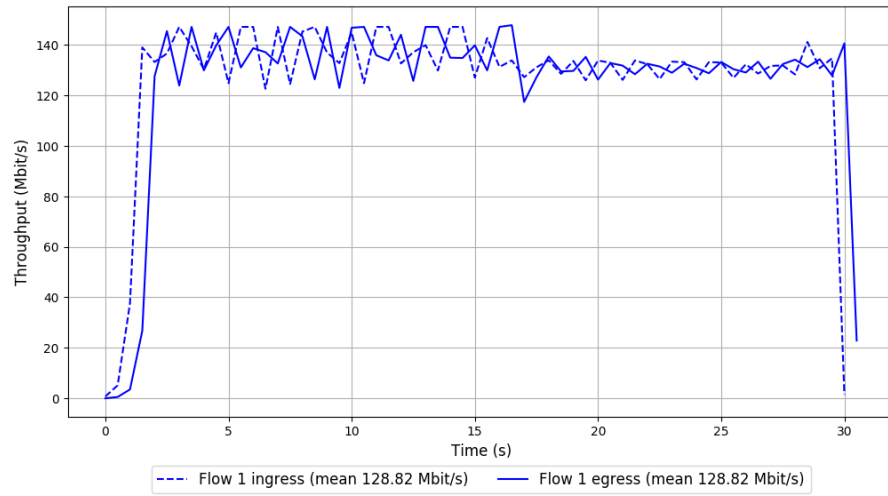


Run 9: Statistics of TCP BBR

Start at: 2018-05-22 00:29:59
End at: 2018-05-22 00:30:29
Local clock offset: 0.554 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-05-22 01:04:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 128.82 Mbit/s
95th percentile per-packet one-way delay: 90.632 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 128.82 Mbit/s
95th percentile per-packet one-way delay: 90.632 ms
Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link

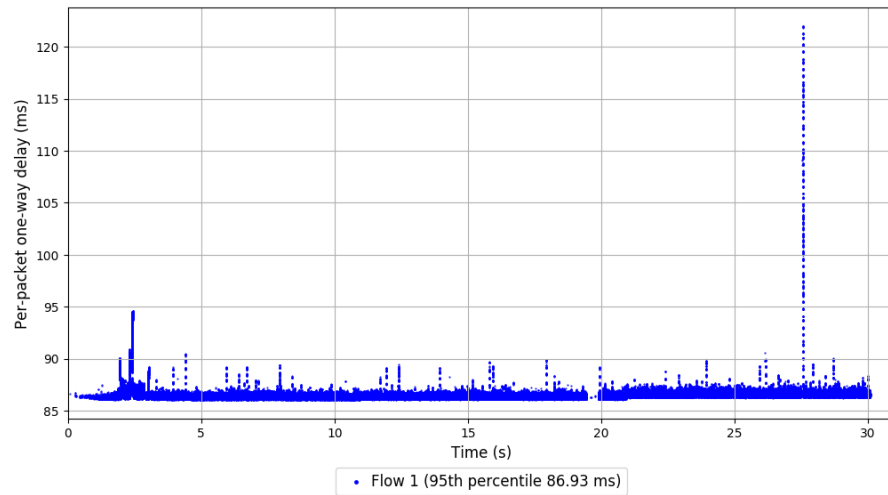
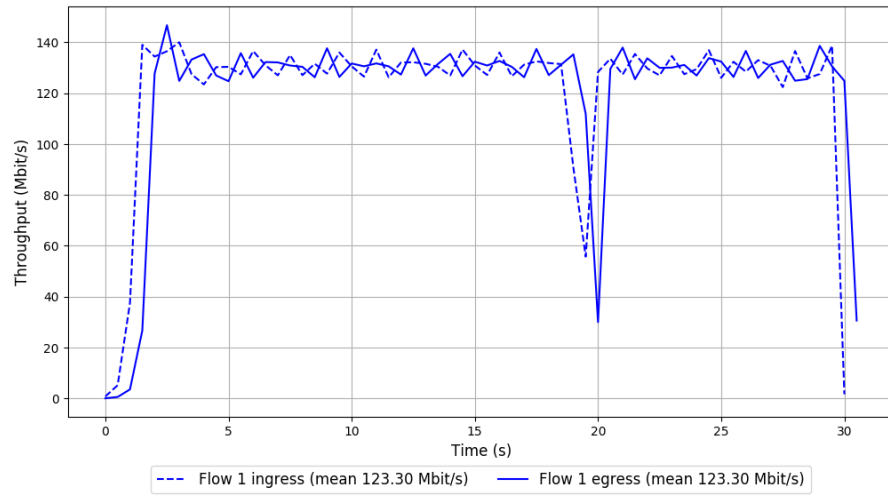


Run 10: Statistics of TCP BBR

Start at: 2018-05-22 00:50:37
End at: 2018-05-22 00:51:07
Local clock offset: 0.231 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-05-22 01:04:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 123.30 Mbit/s
95th percentile per-packet one-way delay: 86.932 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 123.30 Mbit/s
95th percentile per-packet one-way delay: 86.932 ms
Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link

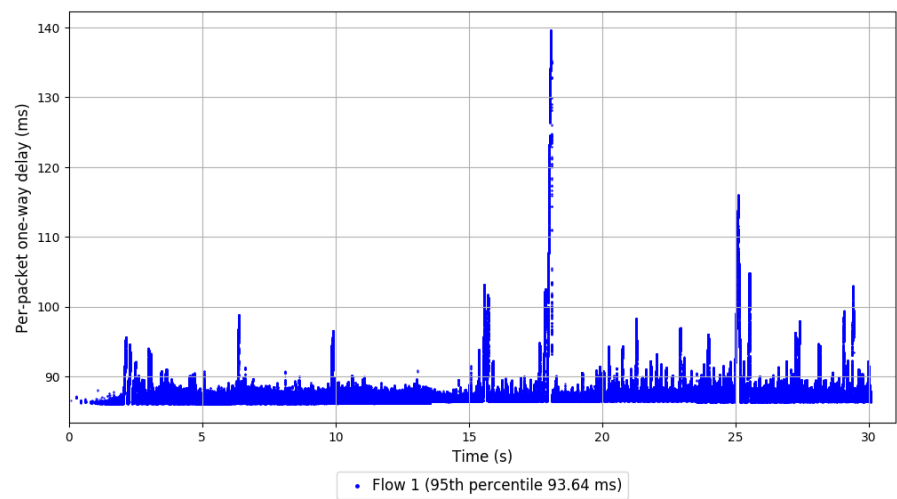
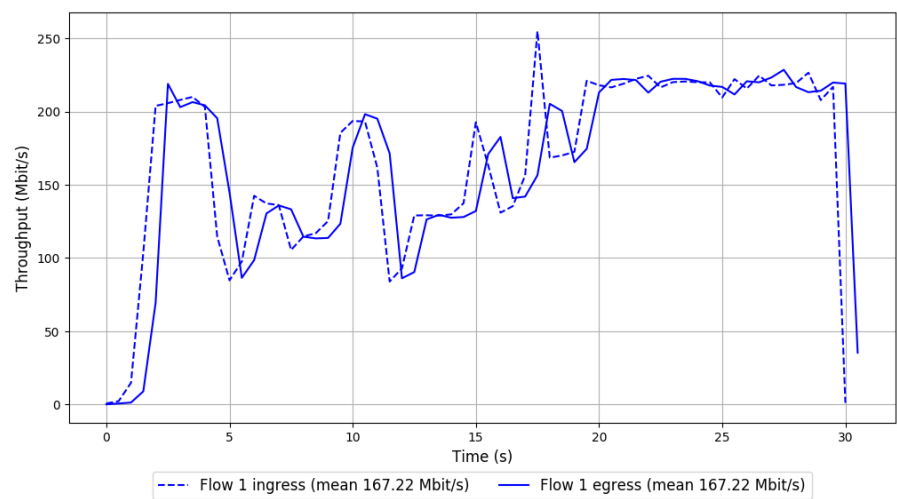


Run 1: Statistics of Copa

Start at: 2018-05-21 21:50:55
End at: 2018-05-21 21:51:25
Local clock offset: 16.43 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-05-22 01:07:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 167.22 Mbit/s
95th percentile per-packet one-way delay: 93.640 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 167.22 Mbit/s
95th percentile per-packet one-way delay: 93.640 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

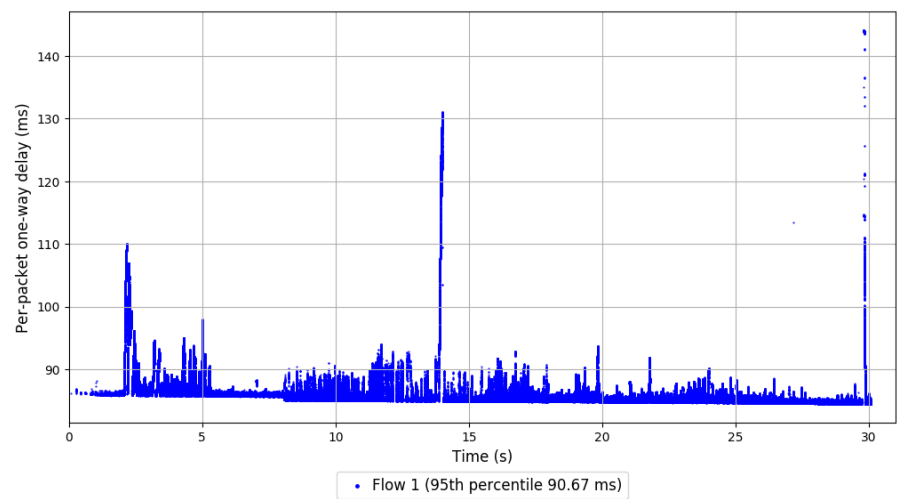
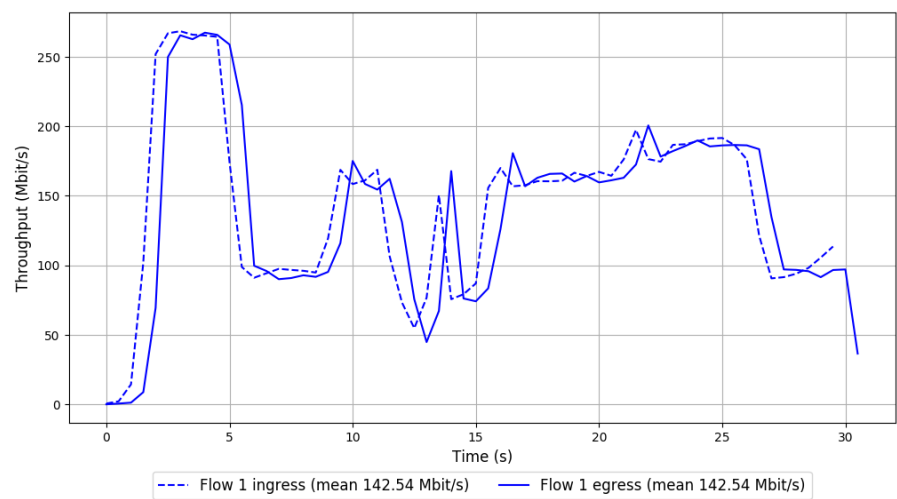


Run 2: Statistics of Copa

Start at: 2018-05-21 22:11:10
End at: 2018-05-21 22:11:40
Local clock offset: 20.598 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-05-22 01:07:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 142.54 Mbit/s
95th percentile per-packet one-way delay: 90.667 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 142.54 Mbit/s
95th percentile per-packet one-way delay: 90.667 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

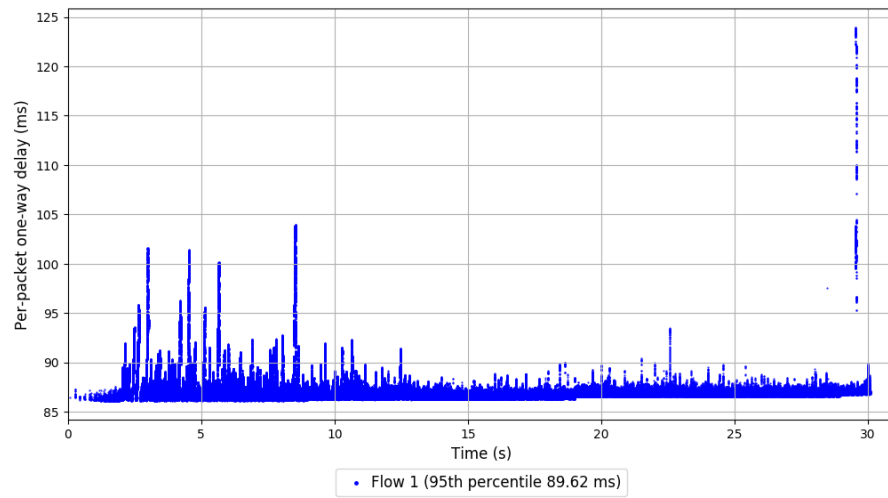
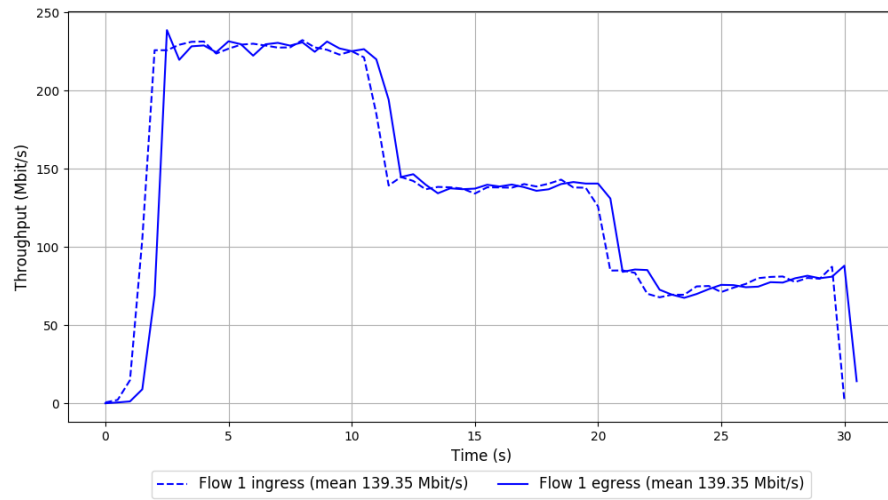


Run 3: Statistics of Copa

Start at: 2018-05-21 22:31:39
End at: 2018-05-21 22:32:09
Local clock offset: 11.089 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-05-22 01:07:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 139.35 Mbit/s
95th percentile per-packet one-way delay: 89.620 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 139.35 Mbit/s
95th percentile per-packet one-way delay: 89.620 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

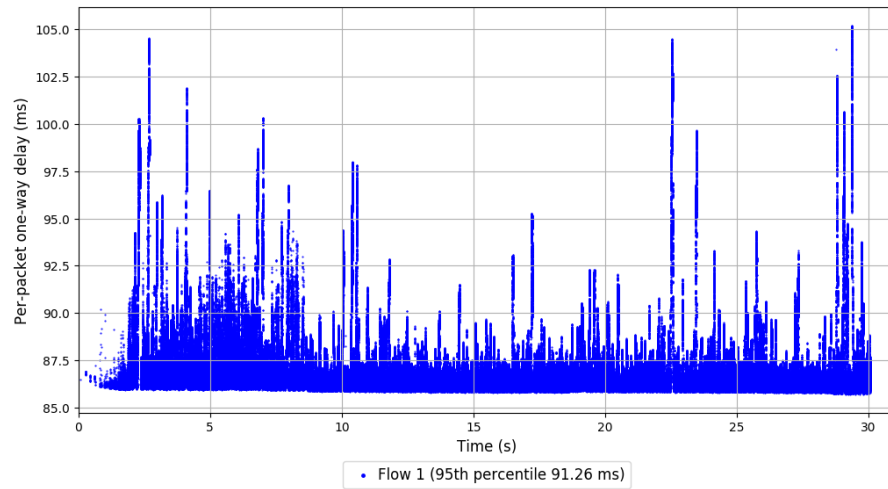
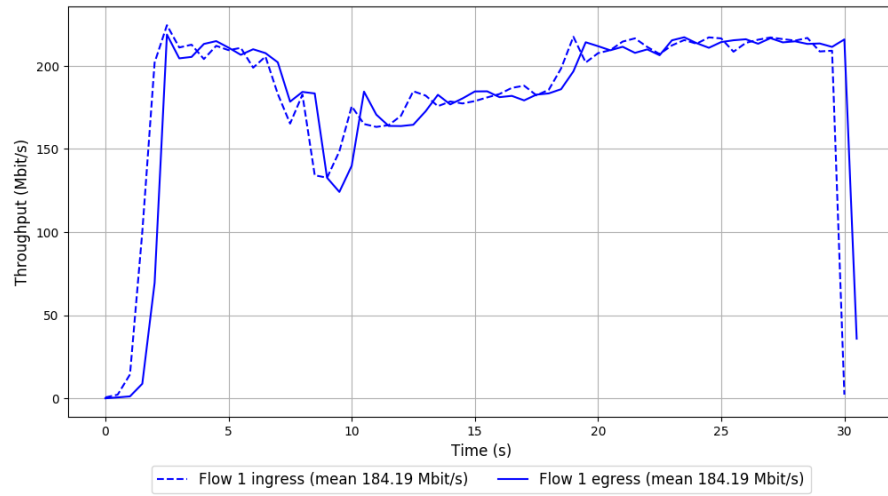


Run 4: Statistics of Copa

Start at: 2018-05-21 22:52:10
End at: 2018-05-21 22:52:40
Local clock offset: 5.092 ms
Remote clock offset: -0.099 ms

Below is generated by plot.py at 2018-05-22 01:08:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 184.19 Mbit/s
95th percentile per-packet one-way delay: 91.261 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 184.19 Mbit/s
95th percentile per-packet one-way delay: 91.261 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

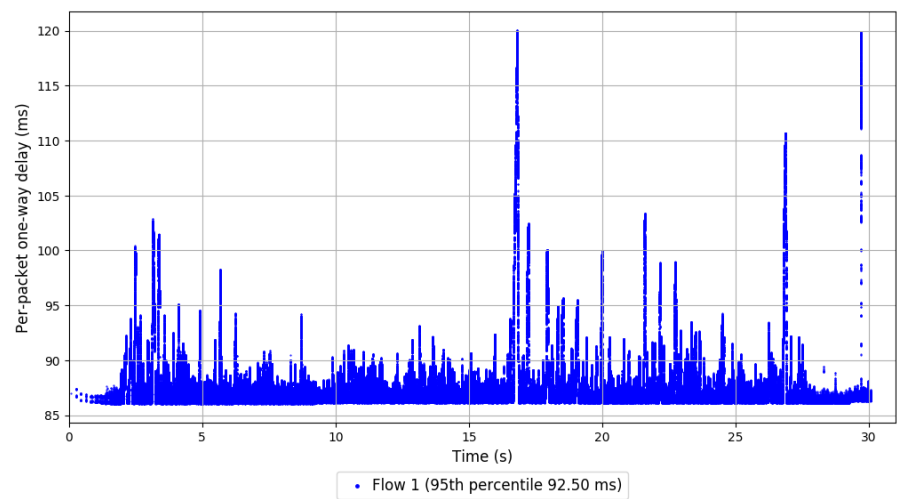
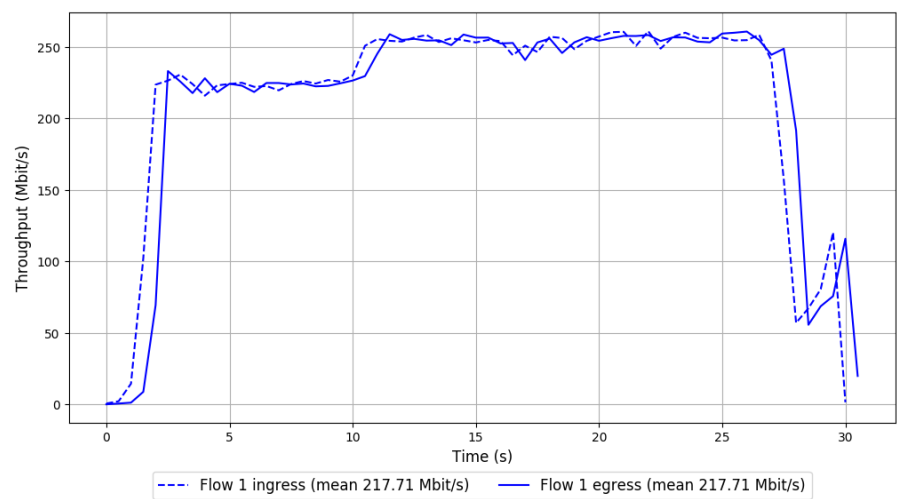


Run 5: Statistics of Copa

Start at: 2018-05-21 23:12:39
End at: 2018-05-21 23:13:09
Local clock offset: 3.119 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-05-22 01:09:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 217.71 Mbit/s
95th percentile per-packet one-way delay: 92.497 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 217.71 Mbit/s
95th percentile per-packet one-way delay: 92.497 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-05-21 23:33:20

End at: 2018-05-21 23:33:50

Local clock offset: 1.007 ms

Remote clock offset: 0.036 ms

Below is generated by plot.py at 2018-05-22 01:09:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 171.59 Mbit/s

95th percentile per-packet one-way delay: 89.987 ms

Loss rate: 0.00%

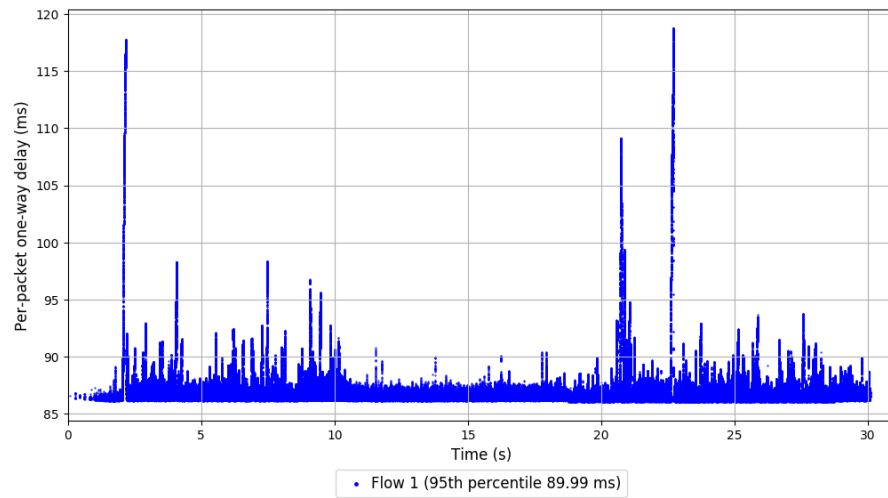
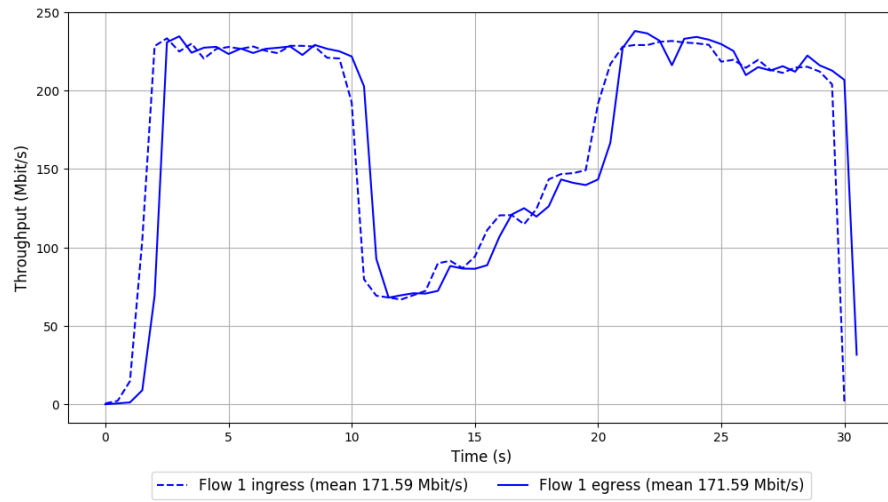
-- Flow 1:

Average throughput: 171.59 Mbit/s

95th percentile per-packet one-way delay: 89.987 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-05-21 23:53:59

End at: 2018-05-21 23:54:29

Local clock offset: 0.839 ms

Remote clock offset: 0.089 ms

Below is generated by plot.py at 2018-05-22 01:10:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 188.52 Mbit/s

95th percentile per-packet one-way delay: 92.074 ms

Loss rate: 0.00%

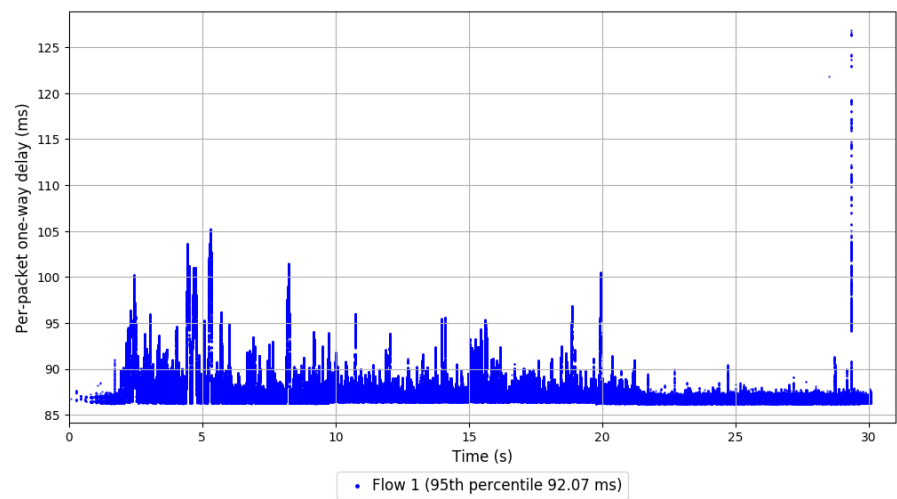
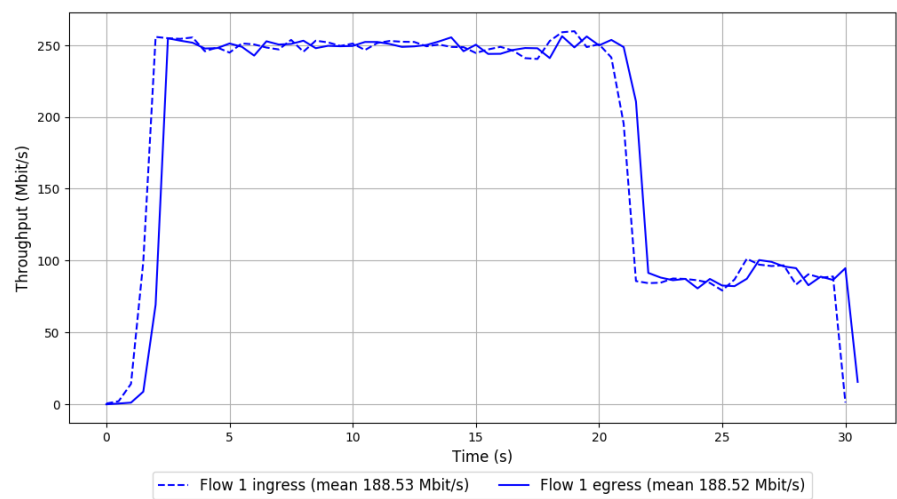
-- Flow 1:

Average throughput: 188.52 Mbit/s

95th percentile per-packet one-way delay: 92.074 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link

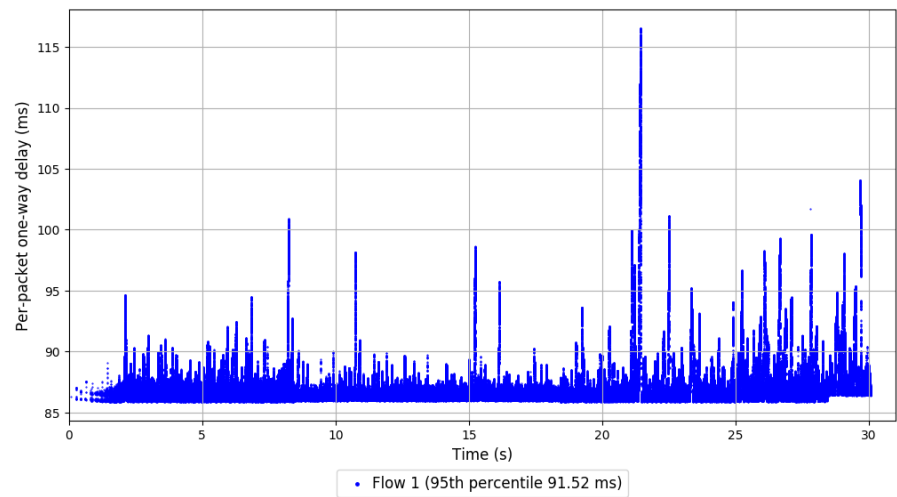
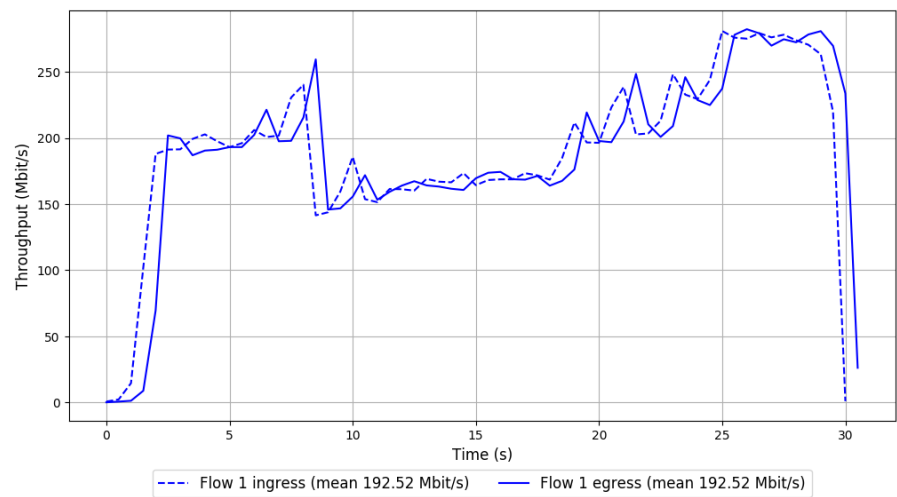


Run 8: Statistics of Copa

Start at: 2018-05-22 00:14:30
End at: 2018-05-22 00:15:00
Local clock offset: 0.659 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-05-22 01:10:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 192.52 Mbit/s
95th percentile per-packet one-way delay: 91.519 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 192.52 Mbit/s
95th percentile per-packet one-way delay: 91.519 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link

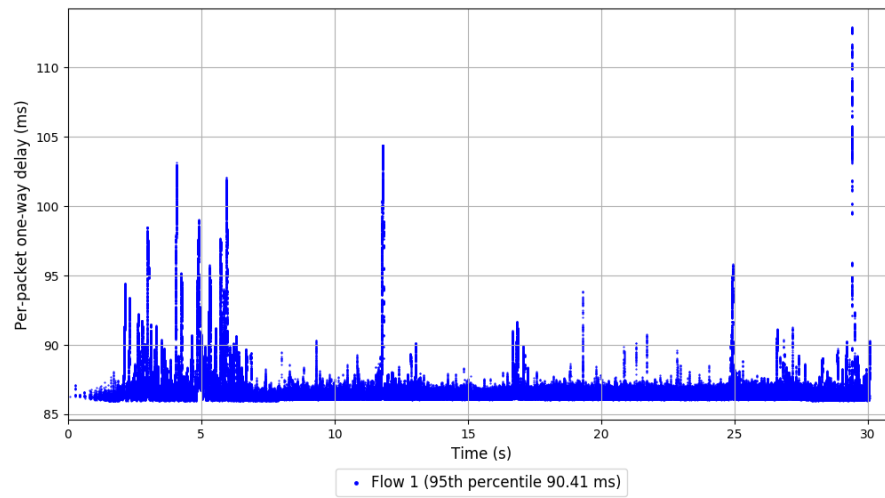
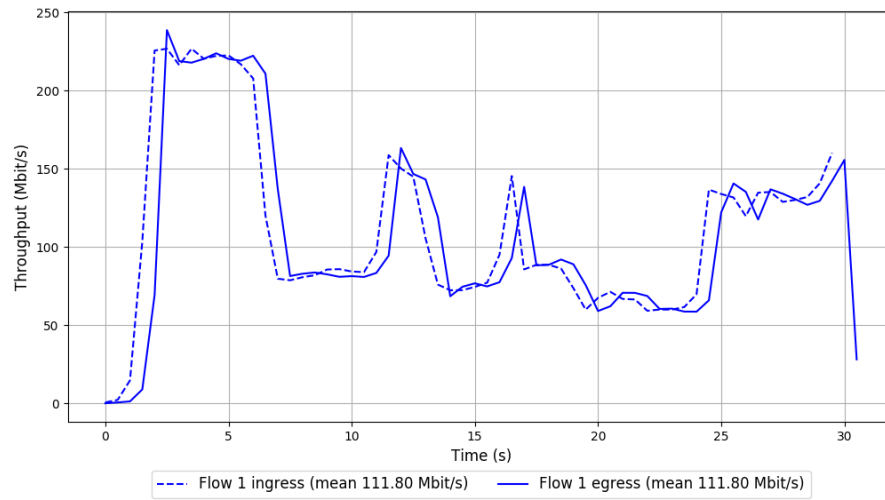


Run 9: Statistics of Copa

Start at: 2018-05-22 00:35:20
End at: 2018-05-22 00:35:50
Local clock offset: 0.263 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-05-22 01:10:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 111.80 Mbit/s
95th percentile per-packet one-way delay: 90.412 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 111.80 Mbit/s
95th percentile per-packet one-way delay: 90.412 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-05-22 00:55:53

End at: 2018-05-22 00:56:23

Local clock offset: 0.149 ms

Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-05-22 01:12:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 179.01 Mbit/s

95th percentile per-packet one-way delay: 89.985 ms

Loss rate: 0.00%

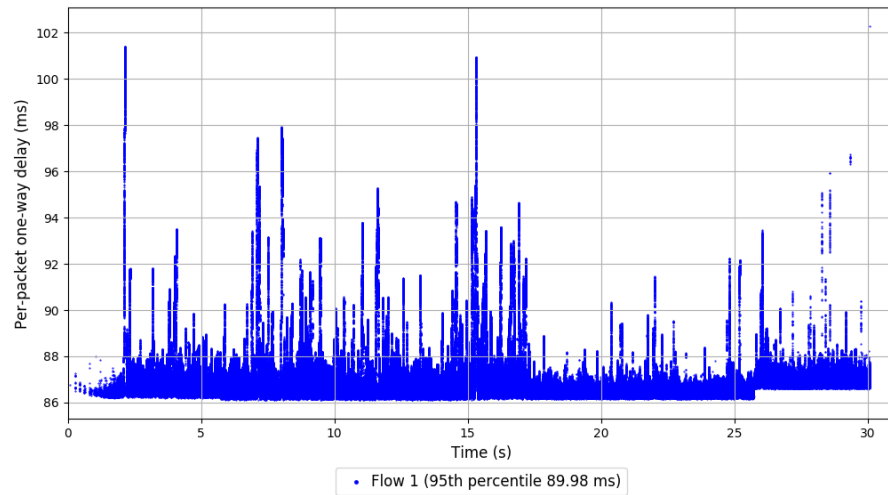
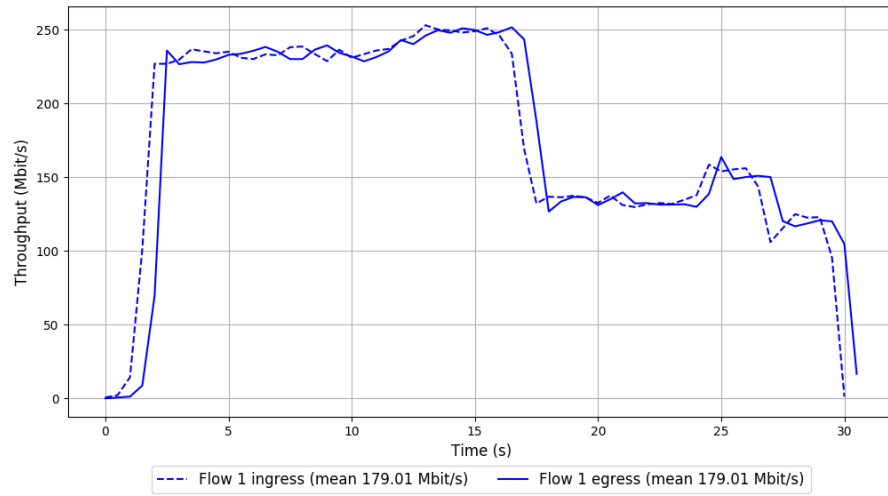
-- Flow 1:

Average throughput: 179.01 Mbit/s

95th percentile per-packet one-way delay: 89.985 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link

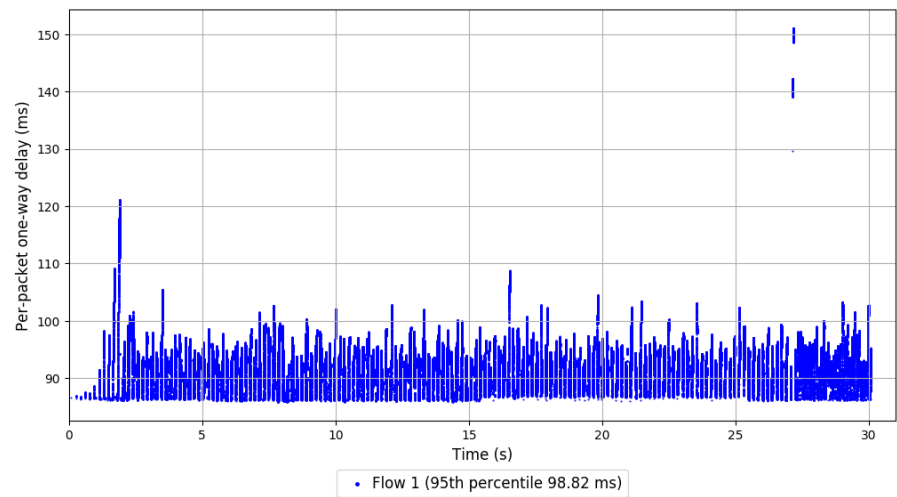
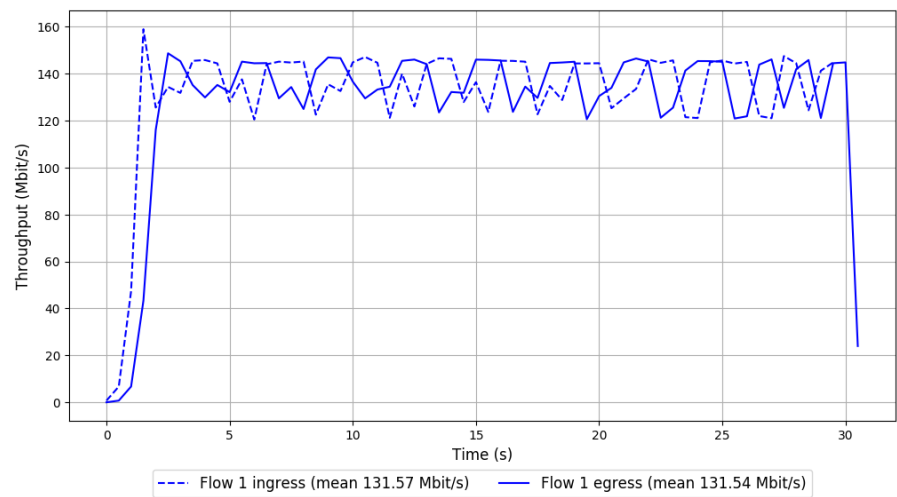


Run 1: Statistics of TCP Cubic

Start at: 2018-05-21 21:42:13
End at: 2018-05-21 21:42:43
Local clock offset: 13.936 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-05-22 01:12:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 131.54 Mbit/s
95th percentile per-packet one-way delay: 98.817 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 131.54 Mbit/s
95th percentile per-packet one-way delay: 98.817 ms
Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-05-21 22:02:33

End at: 2018-05-21 22:03:03

Local clock offset: 24.011 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-05-22 01:12:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 98.72 Mbit/s

95th percentile per-packet one-way delay: 97.453 ms

Loss rate: 0.09%

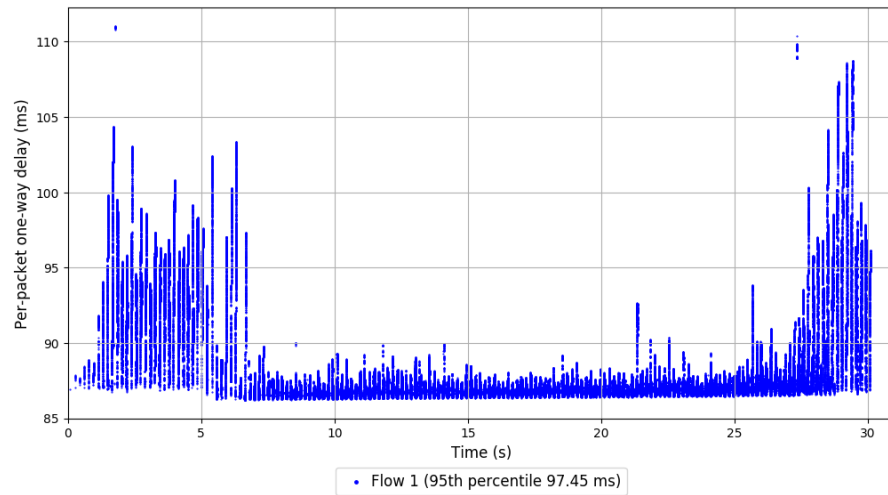
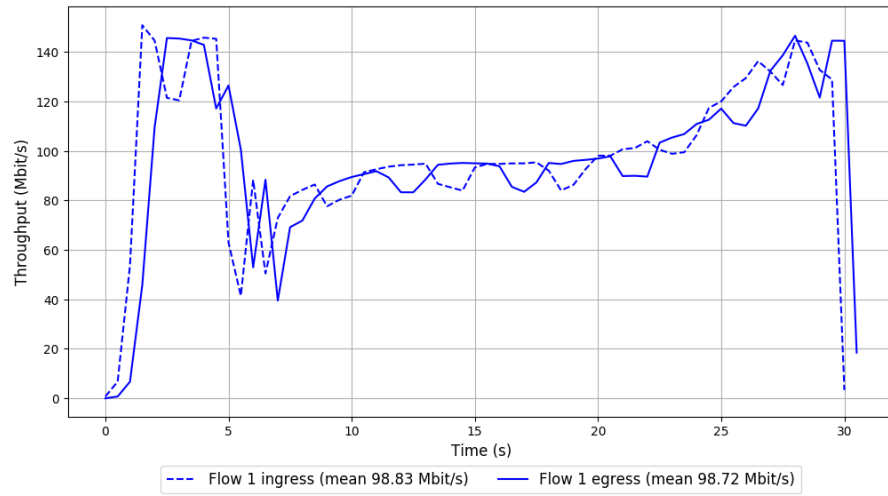
-- Flow 1:

Average throughput: 98.72 Mbit/s

95th percentile per-packet one-way delay: 97.453 ms

Loss rate: 0.09%

Run 2: Report of TCP Cubic — Data Link

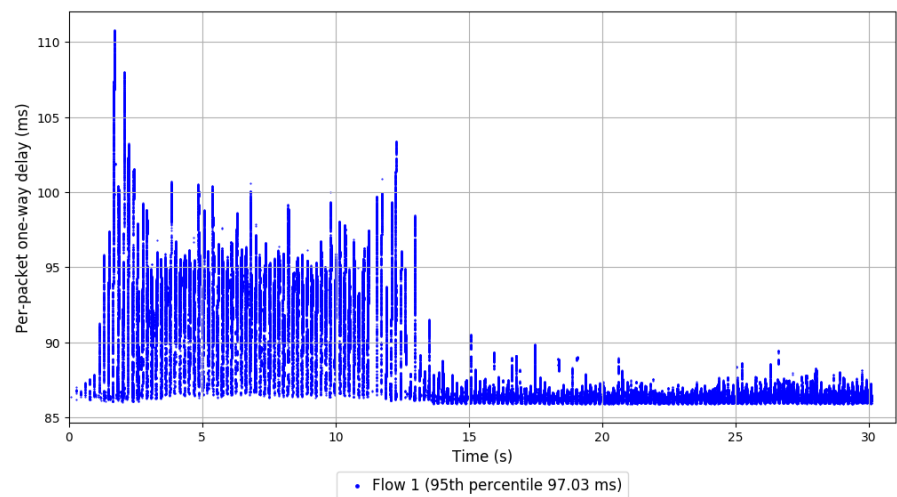
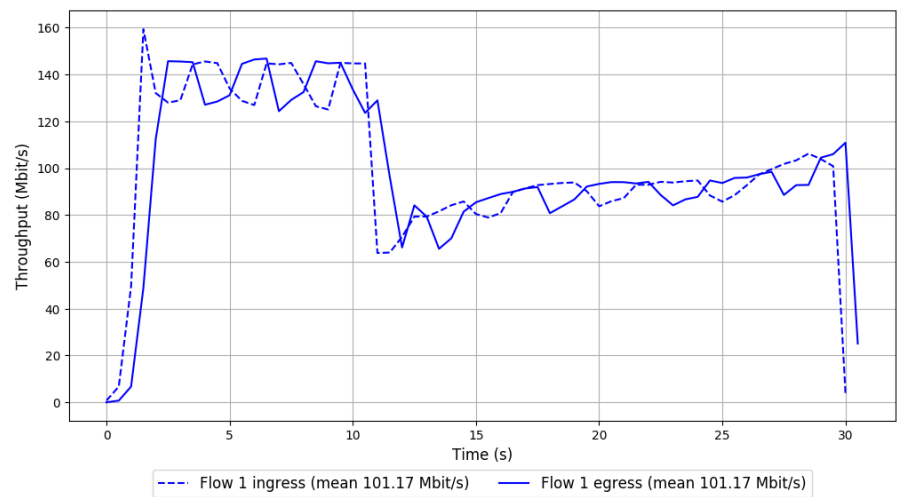


Run 3: Statistics of TCP Cubic

Start at: 2018-05-21 22:22:55
End at: 2018-05-21 22:23:25
Local clock offset: 10.839 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-05-22 01:12:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 101.17 Mbit/s
95th percentile per-packet one-way delay: 97.029 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 101.17 Mbit/s
95th percentile per-packet one-way delay: 97.029 ms
Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link

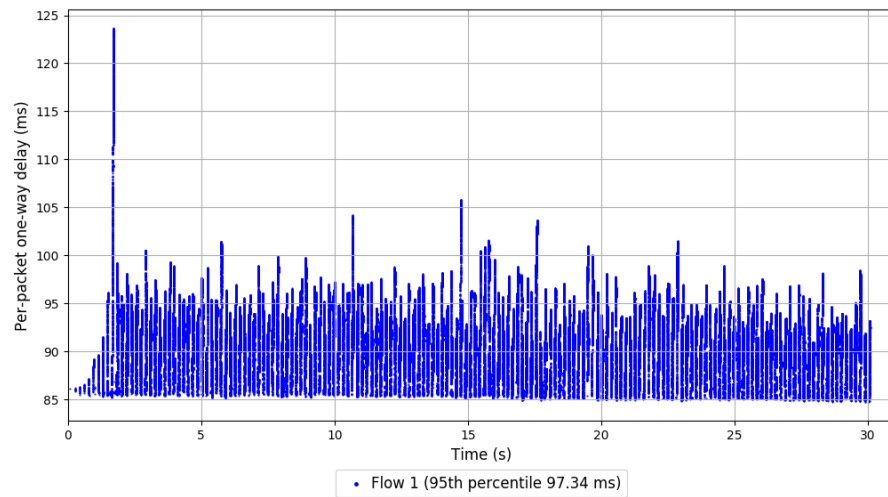
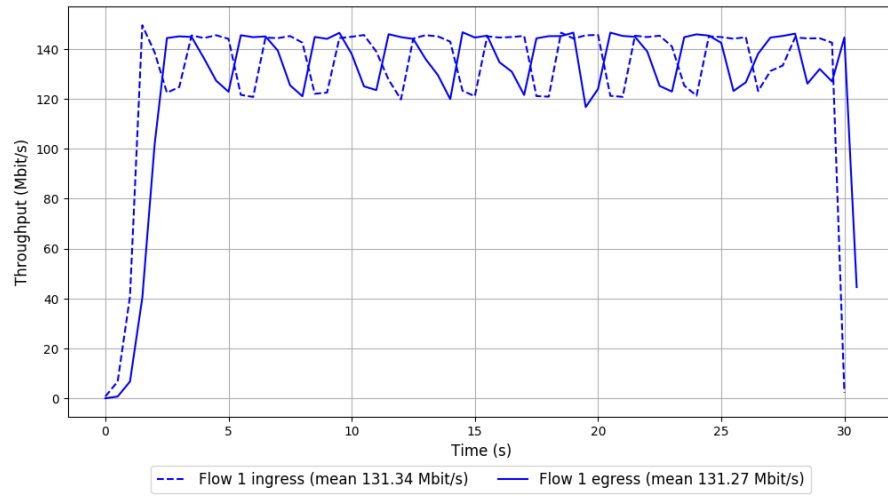


Run 4: Statistics of TCP Cubic

Start at: 2018-05-21 22:43:22
End at: 2018-05-21 22:43:52
Local clock offset: 12.814 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-05-22 01:12:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 131.27 Mbit/s
95th percentile per-packet one-way delay: 97.337 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 131.27 Mbit/s
95th percentile per-packet one-way delay: 97.337 ms
Loss rate: 0.05%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-05-21 23:03:55

End at: 2018-05-21 23:04:25

Local clock offset: 3.216 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-05-22 01:12:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.73 Mbit/s

95th percentile per-packet one-way delay: 97.577 ms

Loss rate: 0.00%

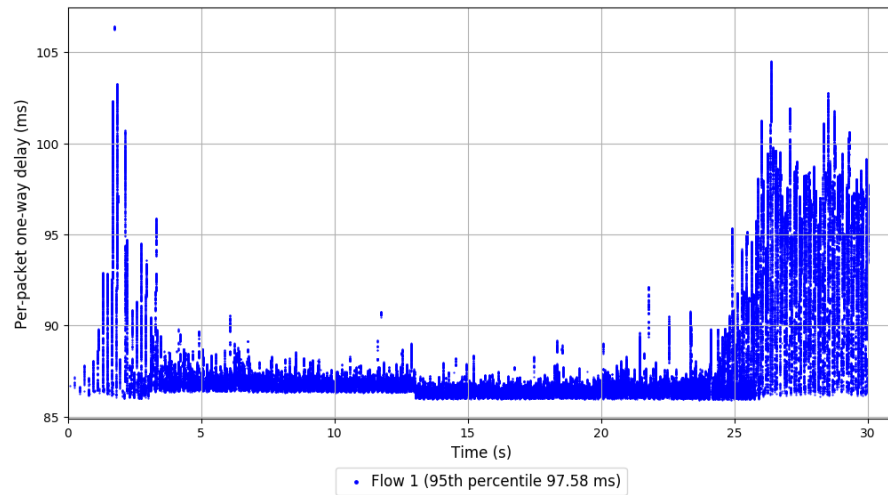
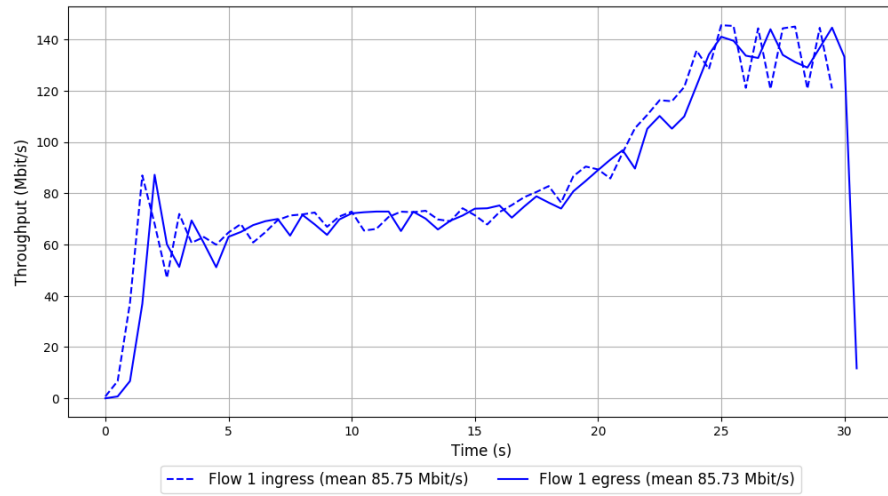
-- Flow 1:

Average throughput: 85.73 Mbit/s

95th percentile per-packet one-way delay: 97.577 ms

Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-05-21 23:24:33

End at: 2018-05-21 23:25:03

Local clock offset: 1.835 ms

Remote clock offset: 0.082 ms

Below is generated by plot.py at 2018-05-22 01:12:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 130.27 Mbit/s

95th percentile per-packet one-way delay: 98.290 ms

Loss rate: 0.00%

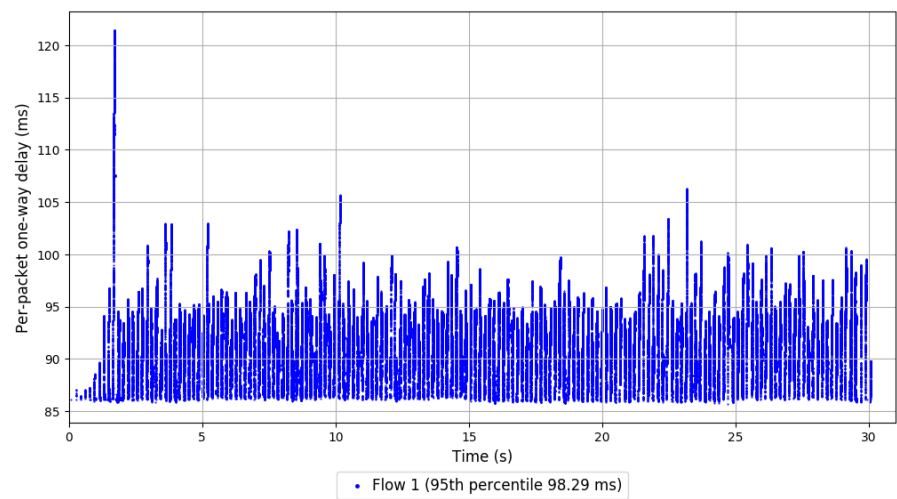
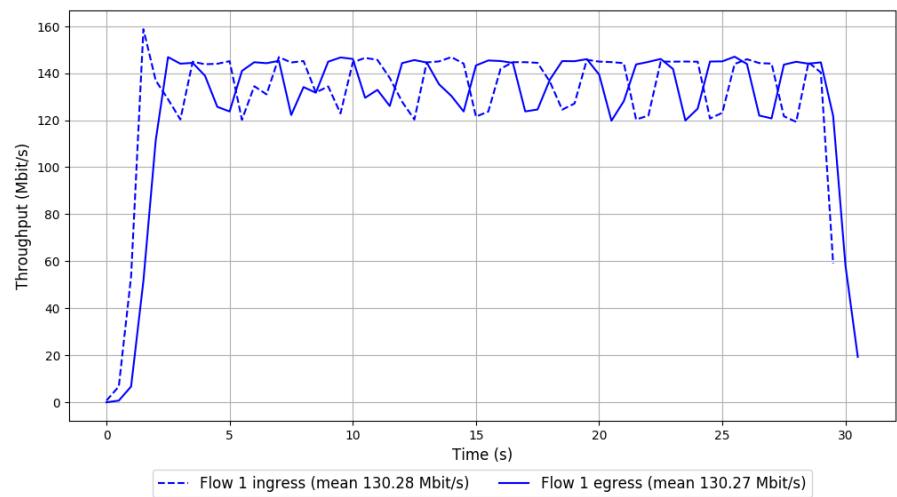
-- Flow 1:

Average throughput: 130.27 Mbit/s

95th percentile per-packet one-way delay: 98.290 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-05-21 23:45:13

End at: 2018-05-21 23:45:43

Local clock offset: 1.09 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-05-22 01:12:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 131.52 Mbit/s

95th percentile per-packet one-way delay: 100.573 ms

Loss rate: 0.20%

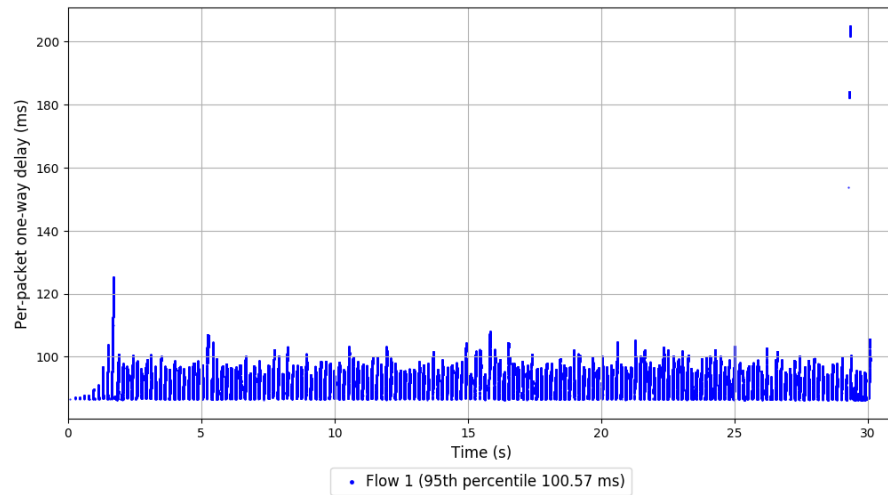
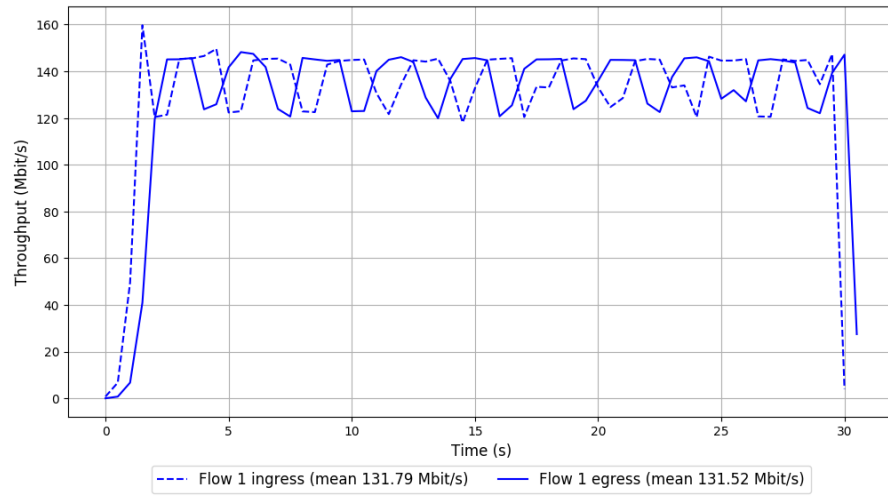
-- Flow 1:

Average throughput: 131.52 Mbit/s

95th percentile per-packet one-way delay: 100.573 ms

Loss rate: 0.20%

Run 7: Report of TCP Cubic — Data Link

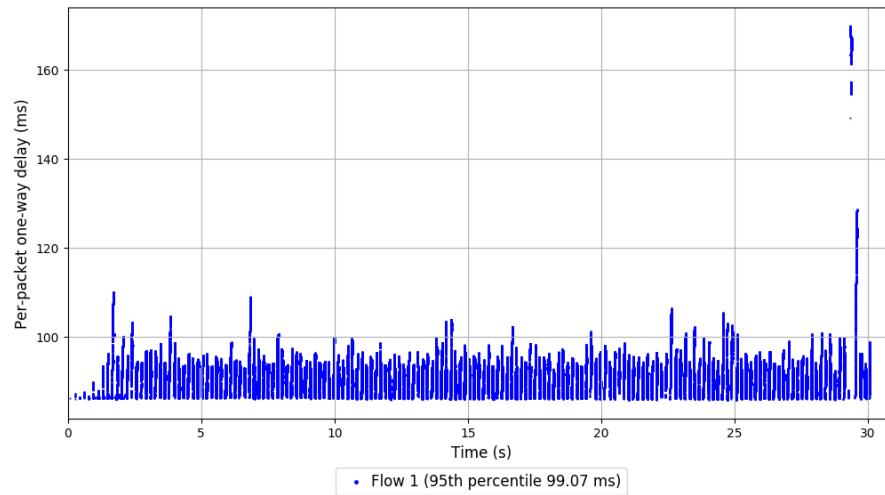
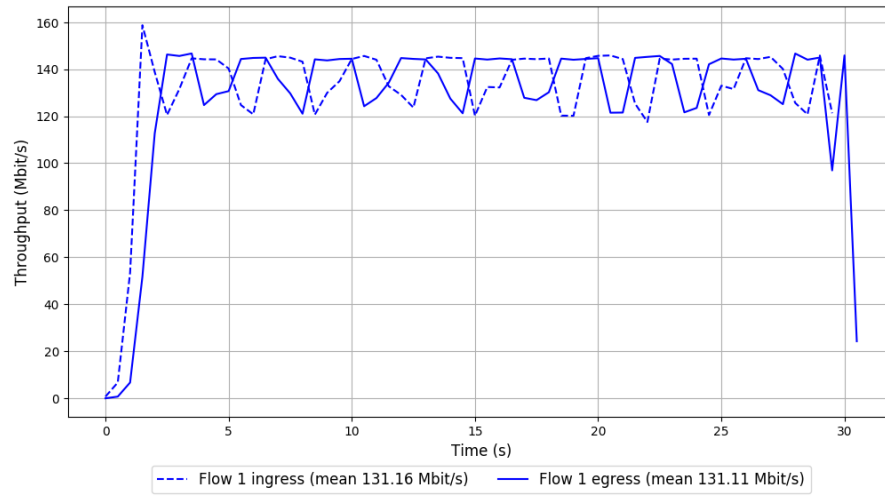


Run 8: Statistics of TCP Cubic

Start at: 2018-05-22 00:05:39
End at: 2018-05-22 00:06:09
Local clock offset: 0.631 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-05-22 01:12:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 131.11 Mbit/s
95th percentile per-packet one-way delay: 99.073 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 131.11 Mbit/s
95th percentile per-packet one-way delay: 99.073 ms
Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link

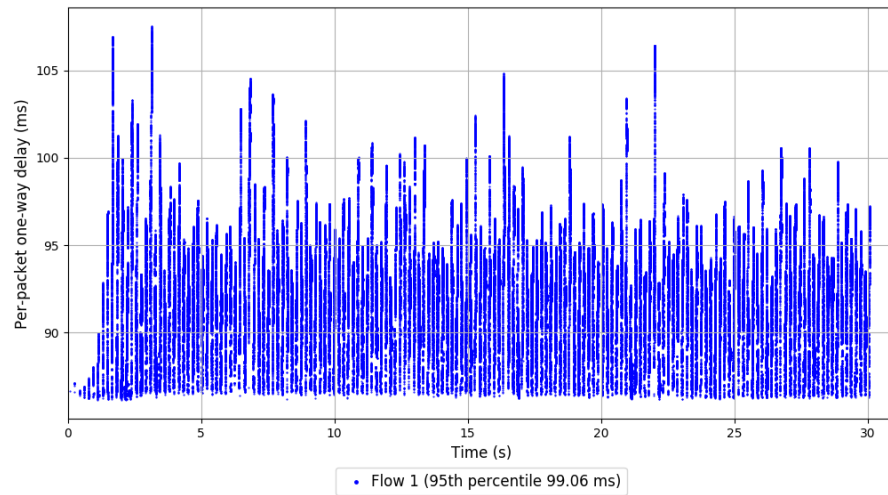
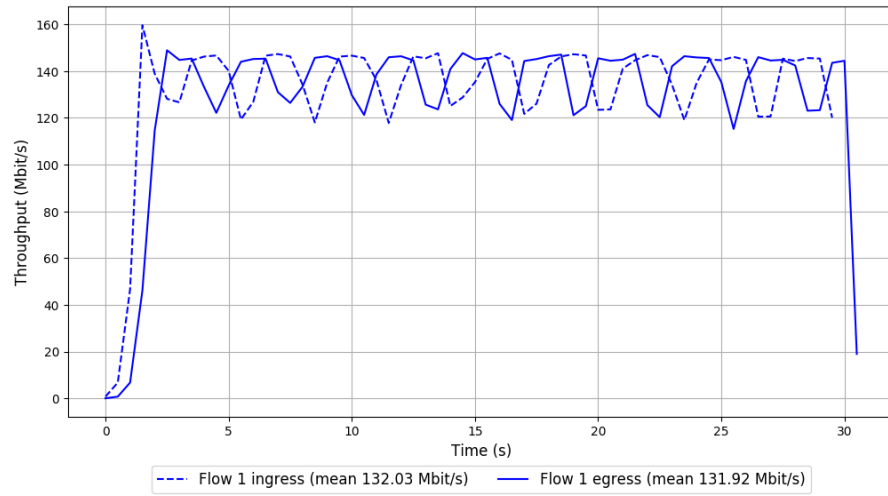


Run 9: Statistics of TCP Cubic

Start at: 2018-05-22 00:26:25
End at: 2018-05-22 00:26:56
Local clock offset: 0.445 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-05-22 01:12:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 131.92 Mbit/s
95th percentile per-packet one-way delay: 99.056 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 131.92 Mbit/s
95th percentile per-packet one-way delay: 99.056 ms
Loss rate: 0.06%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-05-22 00:47:05

End at: 2018-05-22 00:47:35

Local clock offset: 0.397 ms

Remote clock offset: 0.044 ms

Below is generated by plot.py at 2018-05-22 01:12:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 102.27 Mbit/s

95th percentile per-packet one-way delay: 96.931 ms

Loss rate: 0.00%

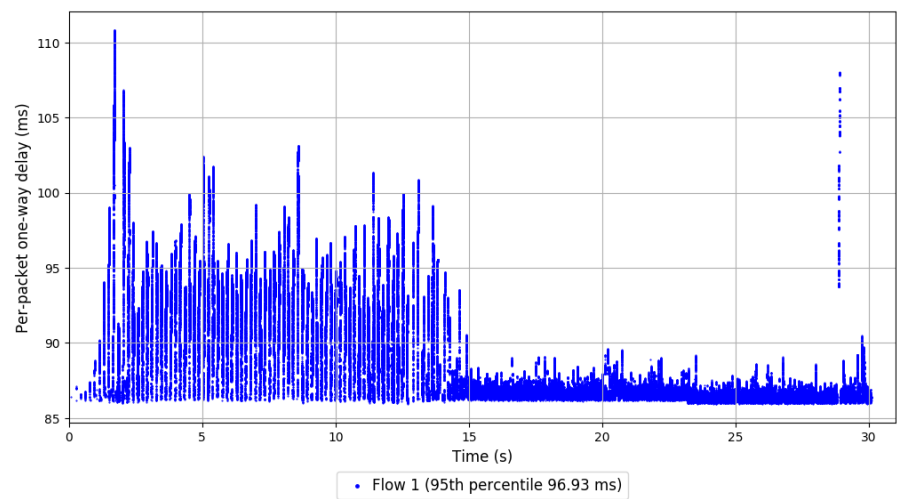
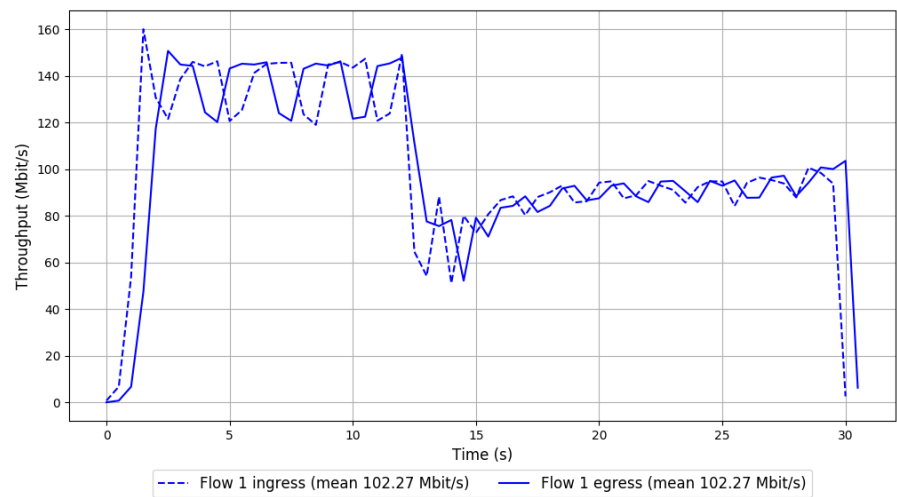
-- Flow 1:

Average throughput: 102.27 Mbit/s

95th percentile per-packet one-way delay: 96.931 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-05-21 21:38:05

End at: 2018-05-21 21:38:35

Local clock offset: 15.227 ms

Remote clock offset: 0.054 ms

Below is generated by plot.py at 2018-05-22 01:25:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 699.02 Mbit/s

95th percentile per-packet one-way delay: 173.581 ms

Loss rate: 8.42%

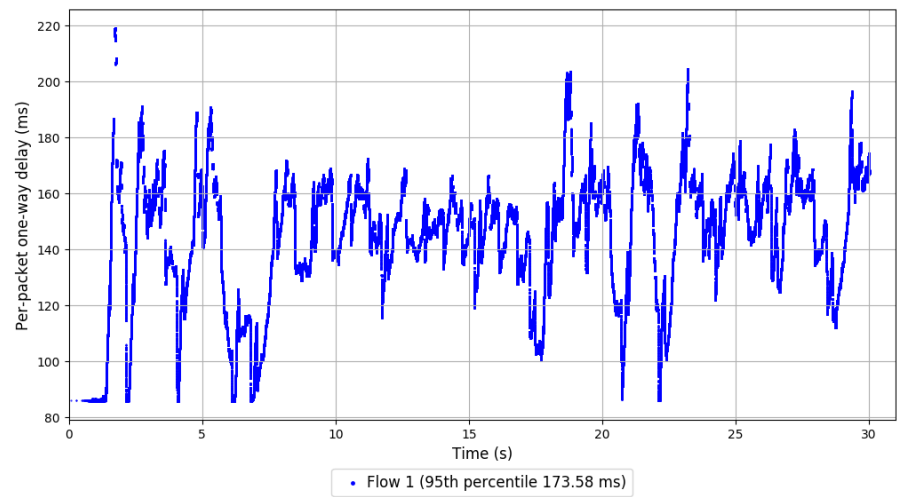
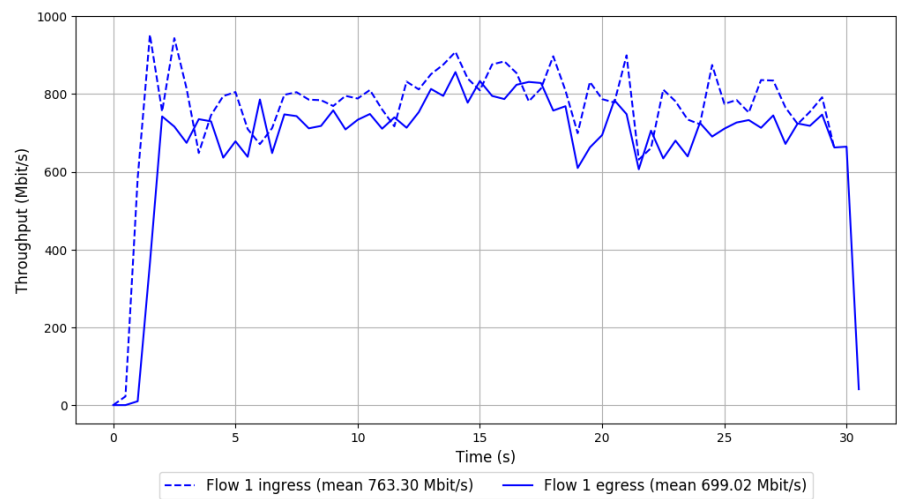
-- Flow 1:

Average throughput: 699.02 Mbit/s

95th percentile per-packet one-way delay: 173.581 ms

Loss rate: 8.42%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-05-21 21:58:35

End at: 2018-05-21 21:59:05

Local clock offset: 21.201 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-05-22 01:25:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 461.79 Mbit/s

95th percentile per-packet one-way delay: 191.340 ms

Loss rate: 7.37%

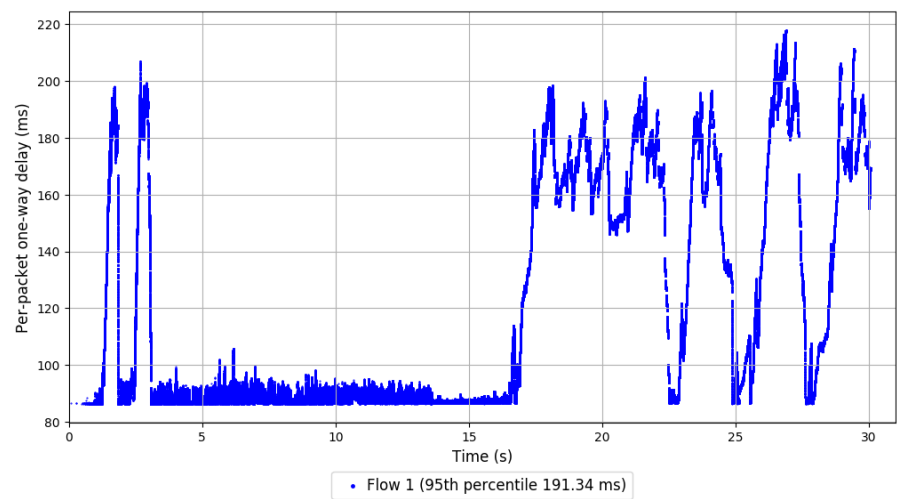
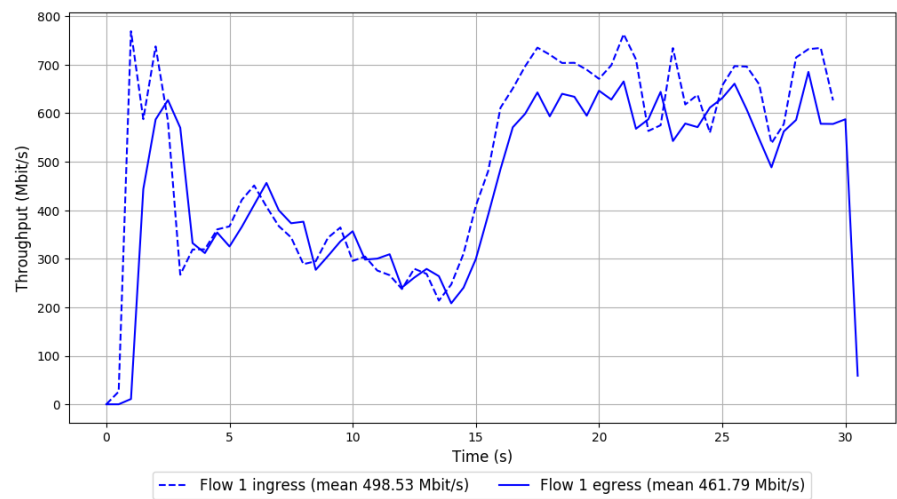
-- Flow 1:

Average throughput: 461.79 Mbit/s

95th percentile per-packet one-way delay: 191.340 ms

Loss rate: 7.37%

Run 2: Report of FillP — Data Link

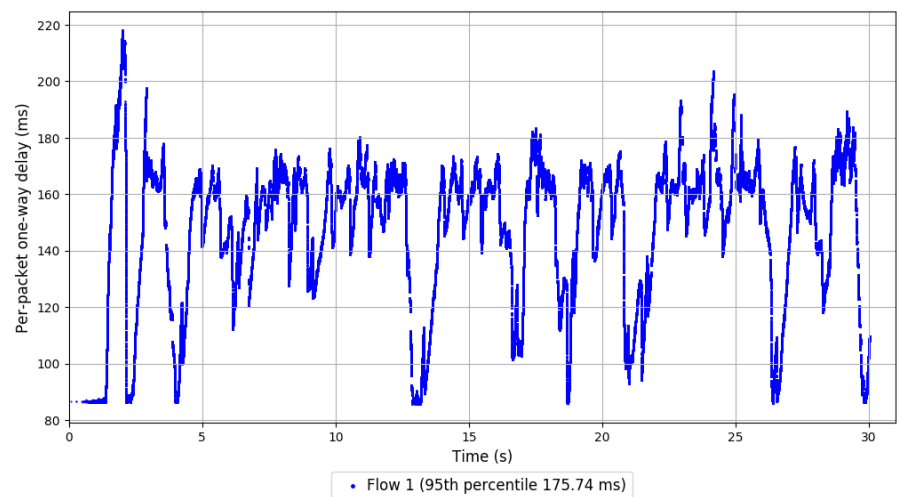
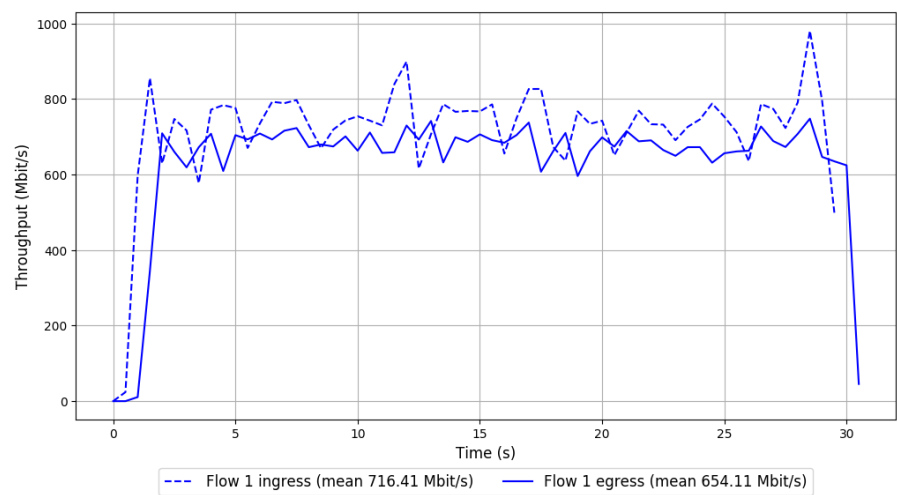


Run 3: Statistics of FillP

Start at: 2018-05-21 22:18:50
End at: 2018-05-21 22:19:20
Local clock offset: 12.077 ms
Remote clock offset: -0.138 ms

Below is generated by plot.py at 2018-05-22 01:25:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 654.11 Mbit/s
95th percentile per-packet one-way delay: 175.736 ms
Loss rate: 8.70%
-- Flow 1:
Average throughput: 654.11 Mbit/s
95th percentile per-packet one-way delay: 175.736 ms
Loss rate: 8.70%

Run 3: Report of FillP — Data Link

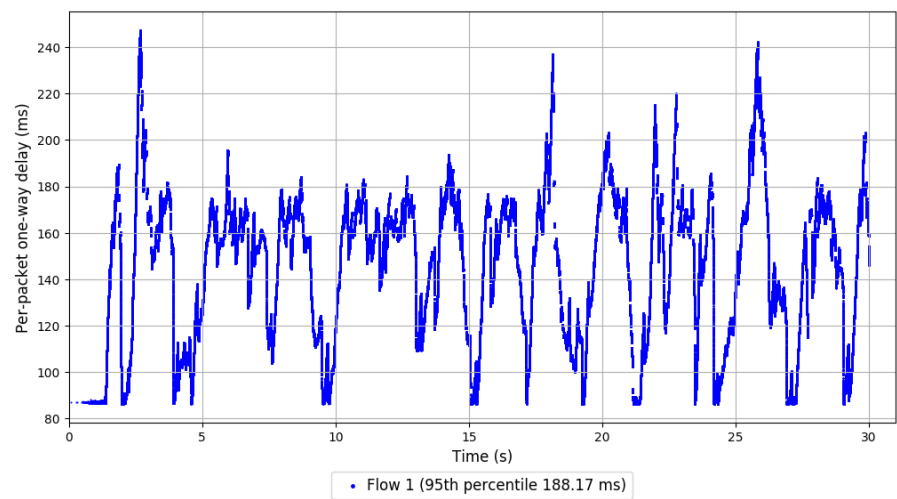
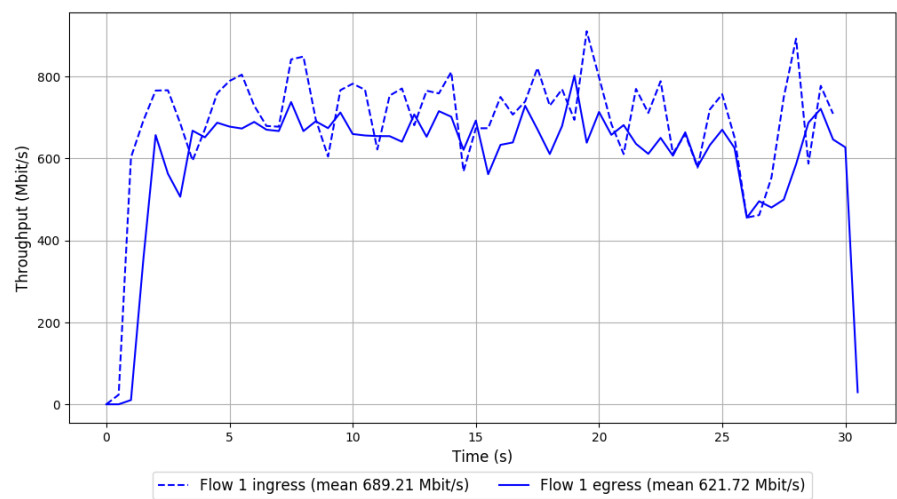


Run 4: Statistics of FillP

Start at: 2018-05-21 22:39:17
End at: 2018-05-21 22:39:47
Local clock offset: 13.233 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-05-22 01:25:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 621.72 Mbit/s
95th percentile per-packet one-way delay: 188.166 ms
Loss rate: 9.79%
-- Flow 1:
Average throughput: 621.72 Mbit/s
95th percentile per-packet one-way delay: 188.166 ms
Loss rate: 9.79%

Run 4: Report of FillP — Data Link

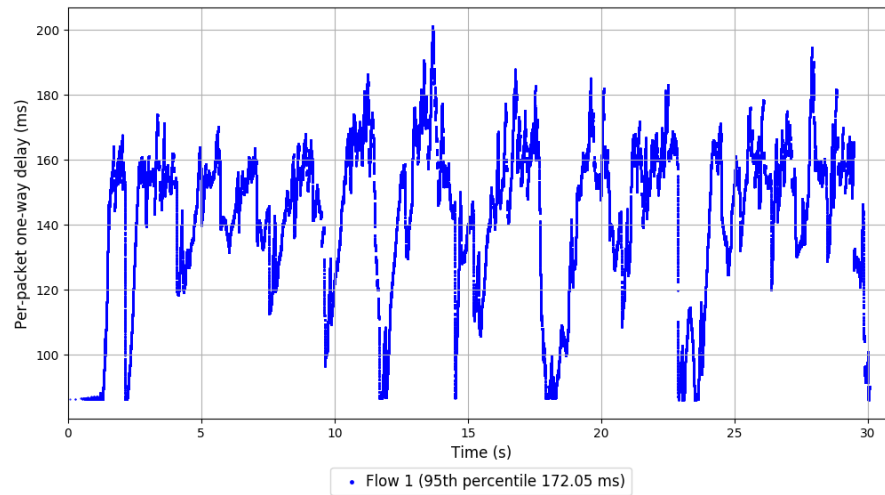
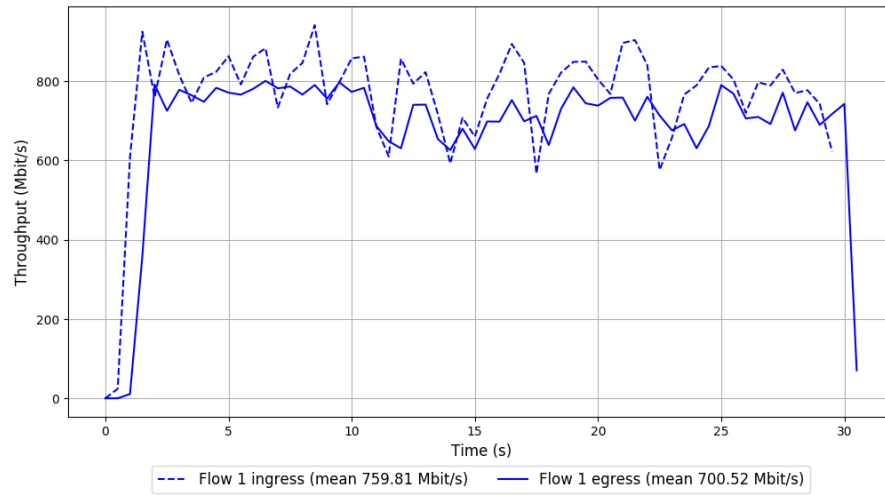


Run 5: Statistics of FillP

Start at: 2018-05-21 22:59:48
End at: 2018-05-21 23:00:18
Local clock offset: 3.264 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-05-22 01:25:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 700.52 Mbit/s
95th percentile per-packet one-way delay: 172.047 ms
Loss rate: 7.80%
-- Flow 1:
Average throughput: 700.52 Mbit/s
95th percentile per-packet one-way delay: 172.047 ms
Loss rate: 7.80%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-05-21 23:20:27

End at: 2018-05-21 23:20:57

Local clock offset: 2.216 ms

Remote clock offset: 0.051 ms

Below is generated by plot.py at 2018-05-22 01:26:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 694.71 Mbit/s

95th percentile per-packet one-way delay: 172.247 ms

Loss rate: 8.42%

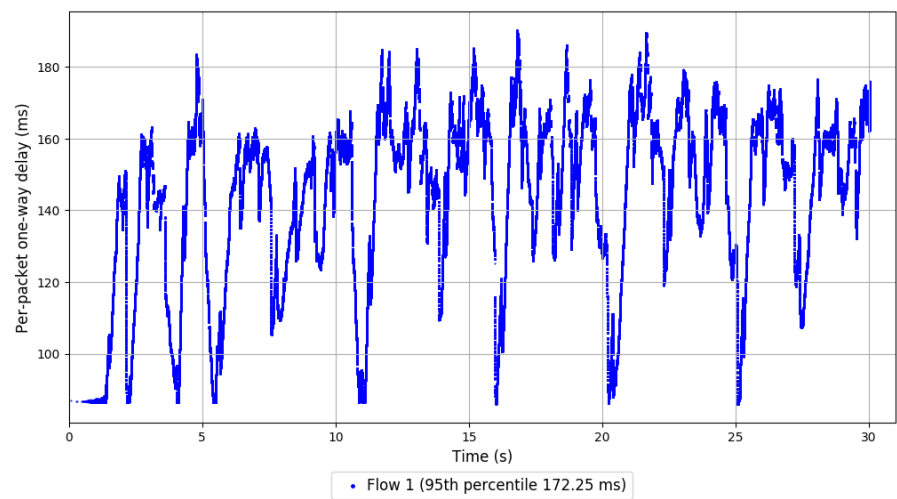
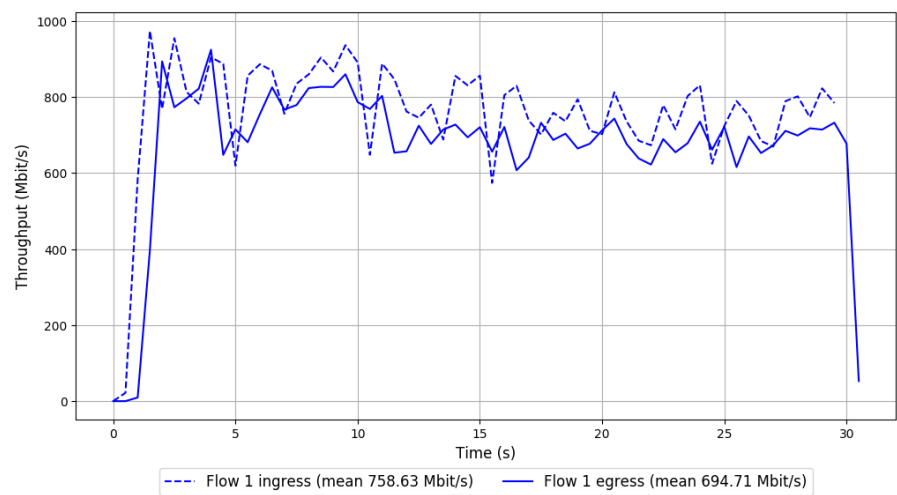
-- Flow 1:

Average throughput: 694.71 Mbit/s

95th percentile per-packet one-way delay: 172.247 ms

Loss rate: 8.42%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-05-21 23:41:02

End at: 2018-05-21 23:41:32

Local clock offset: 1.28 ms

Remote clock offset: 0.068 ms

Below is generated by plot.py at 2018-05-22 01:27:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 748.87 Mbit/s

95th percentile per-packet one-way delay: 206.502 ms

Loss rate: 6.38%

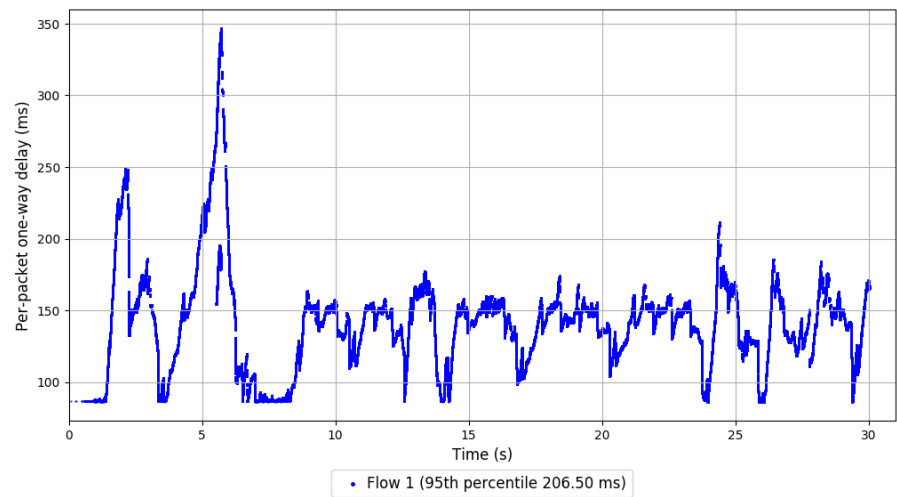
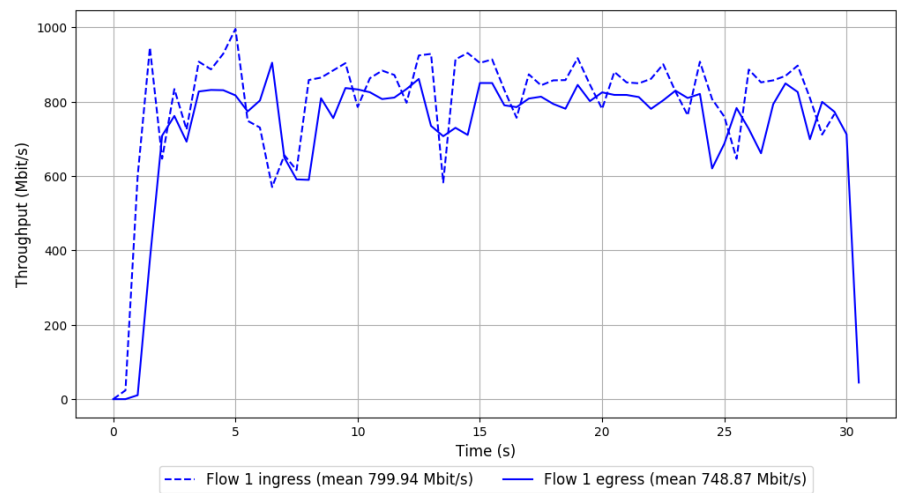
-- Flow 1:

Average throughput: 748.87 Mbit/s

95th percentile per-packet one-way delay: 206.502 ms

Loss rate: 6.38%

Run 7: Report of FillP — Data Link

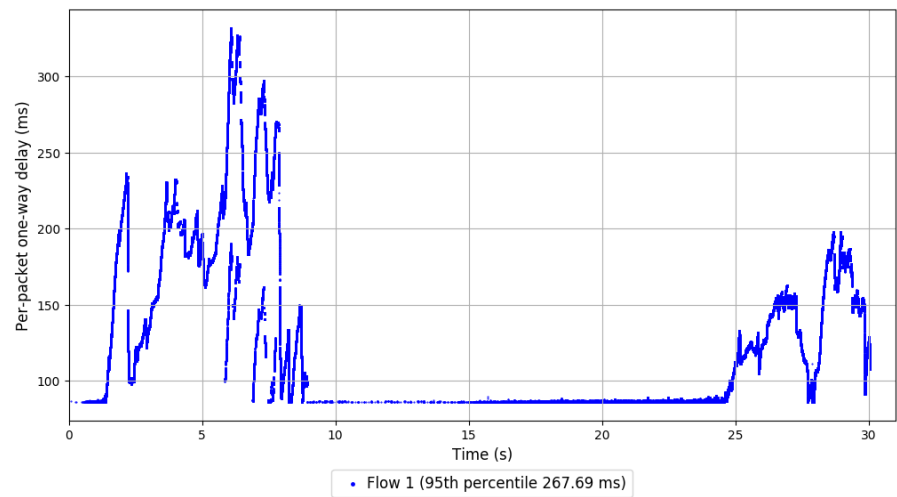
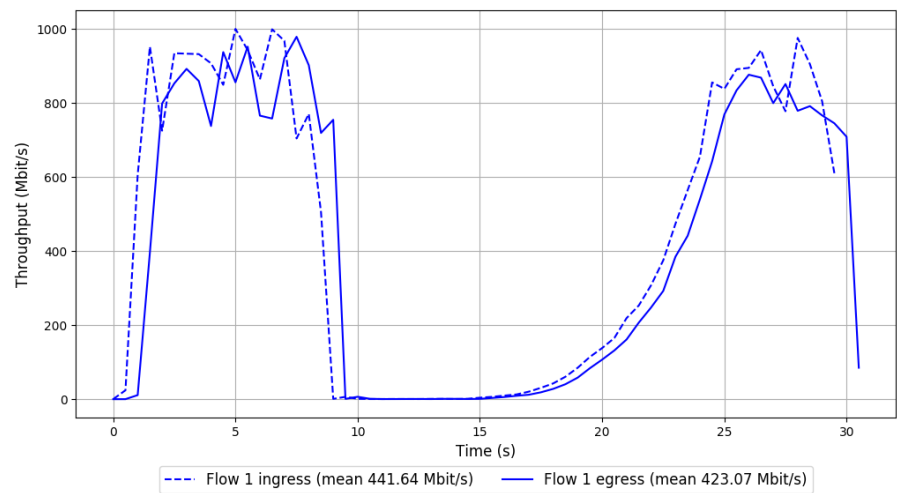


Run 8: Statistics of FillP

Start at: 2018-05-22 00:01:43
End at: 2018-05-22 00:02:13
Local clock offset: 0.638 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-05-22 01:27:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 423.07 Mbit/s
95th percentile per-packet one-way delay: 267.689 ms
Loss rate: 4.20%
-- Flow 1:
Average throughput: 423.07 Mbit/s
95th percentile per-packet one-way delay: 267.689 ms
Loss rate: 4.20%

Run 8: Report of FillP — Data Link

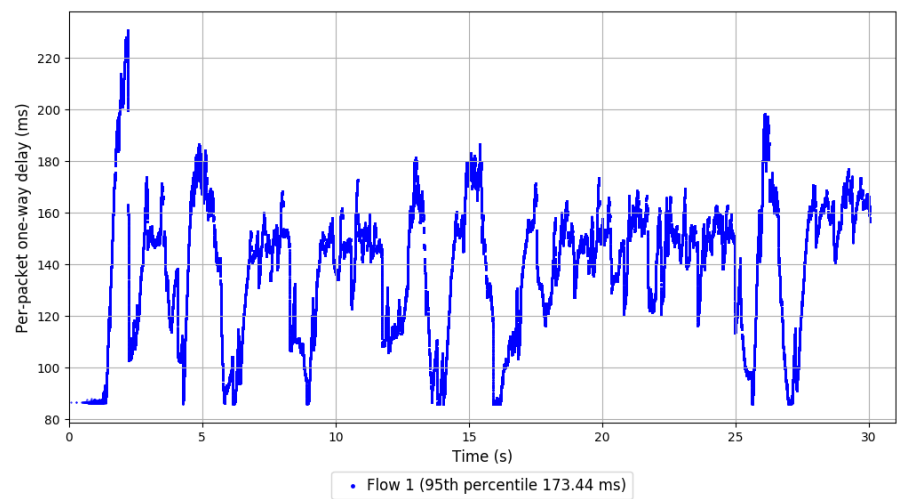
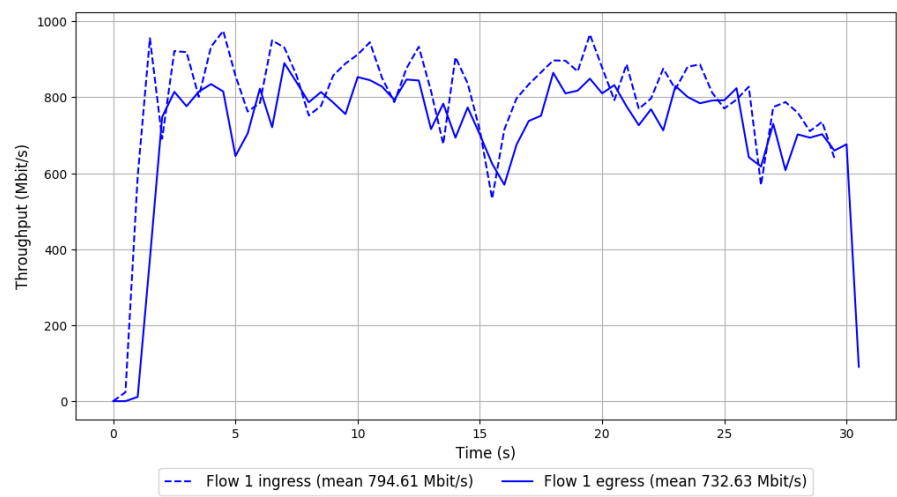


Run 9: Statistics of FillP

Start at: 2018-05-22 00:22:16
End at: 2018-05-22 00:22:46
Local clock offset: 0.663 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-05-22 01:35:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 732.63 Mbit/s
95th percentile per-packet one-way delay: 173.442 ms
Loss rate: 7.80%
-- Flow 1:
Average throughput: 732.63 Mbit/s
95th percentile per-packet one-way delay: 173.442 ms
Loss rate: 7.80%

Run 9: Report of FillP — Data Link

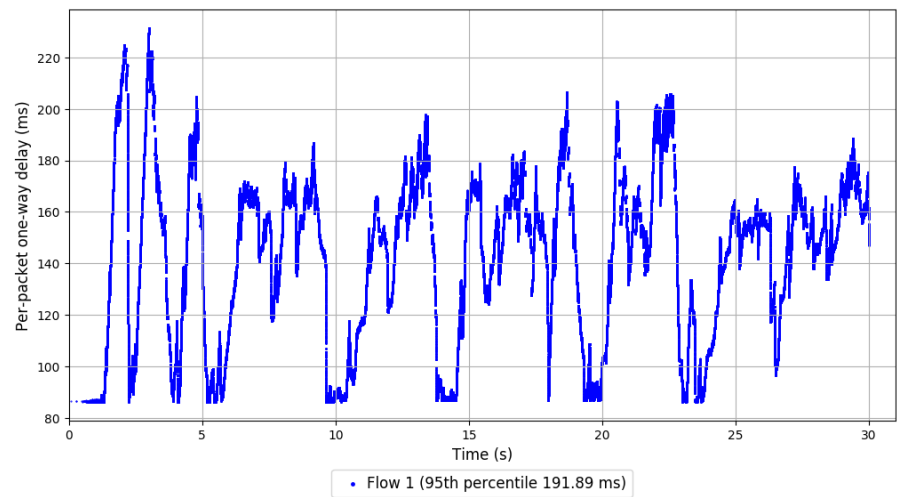
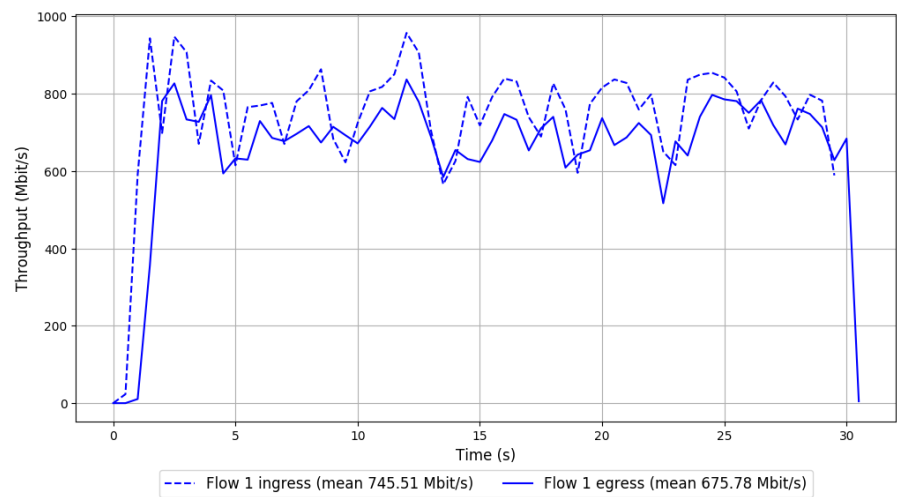


Run 10: Statistics of FillP

Start at: 2018-05-22 00:42:58
End at: 2018-05-22 00:43:28
Local clock offset: -0.054 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-05-22 01:35:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 675.78 Mbit/s
95th percentile per-packet one-way delay: 191.892 ms
Loss rate: 9.35%
-- Flow 1:
Average throughput: 675.78 Mbit/s
95th percentile per-packet one-way delay: 191.892 ms
Loss rate: 9.35%

Run 10: Report of FillP — Data Link

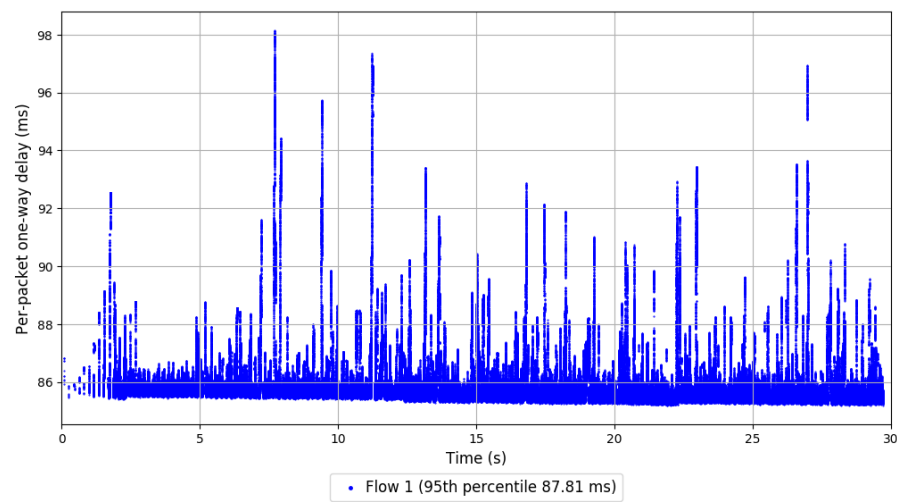
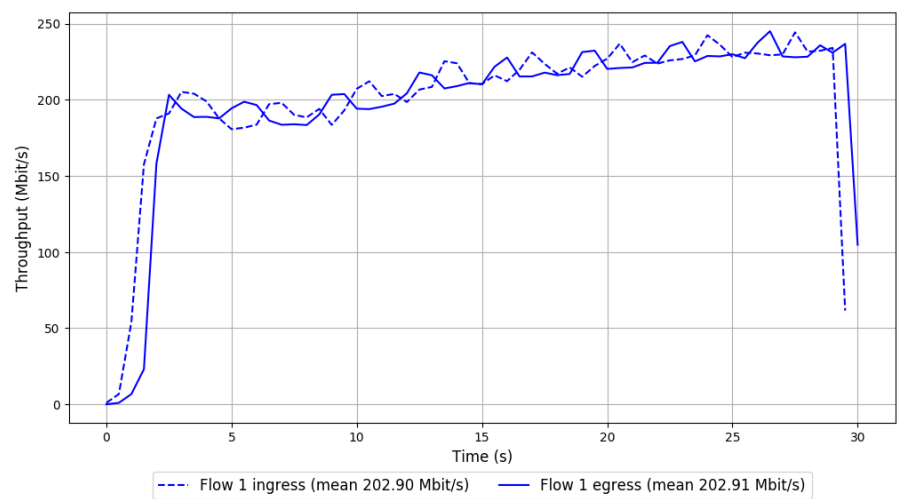


```
Run 1: Statistics of Indigo

Start at: 2018-05-21 21:36:46
End at: 2018-05-21 21:37:16
Local clock offset: 16.035 ms
Remote clock offset: 0.131 ms

# Below is generated by plot.py at 2018-05-22 01:35:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 202.91 Mbit/s
95th percentile per-packet one-way delay: 87.811 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 202.91 Mbit/s
95th percentile per-packet one-way delay: 87.811 ms
Loss rate: 0.00%
```


Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-05-21 21:57:15

End at: 2018-05-21 21:57:45

Local clock offset: 20.439 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-05-22 01:35:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 203.28 Mbit/s

95th percentile per-packet one-way delay: 88.521 ms

Loss rate: 0.00%

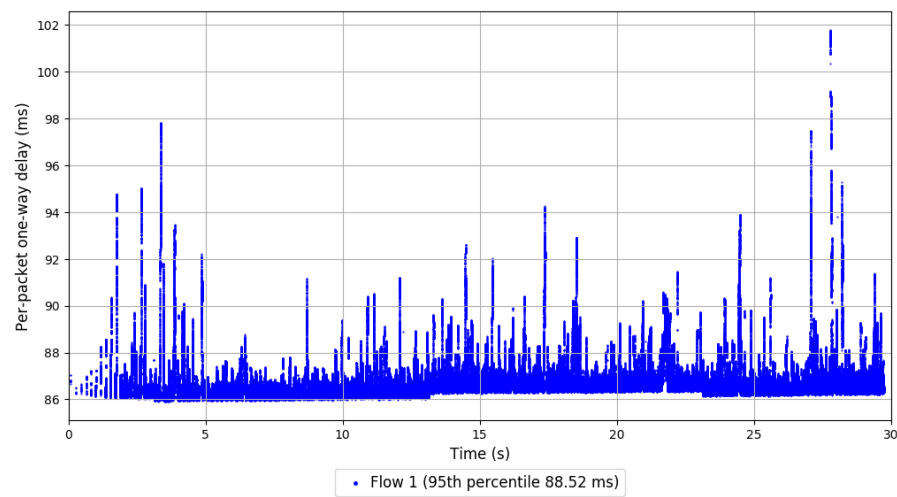
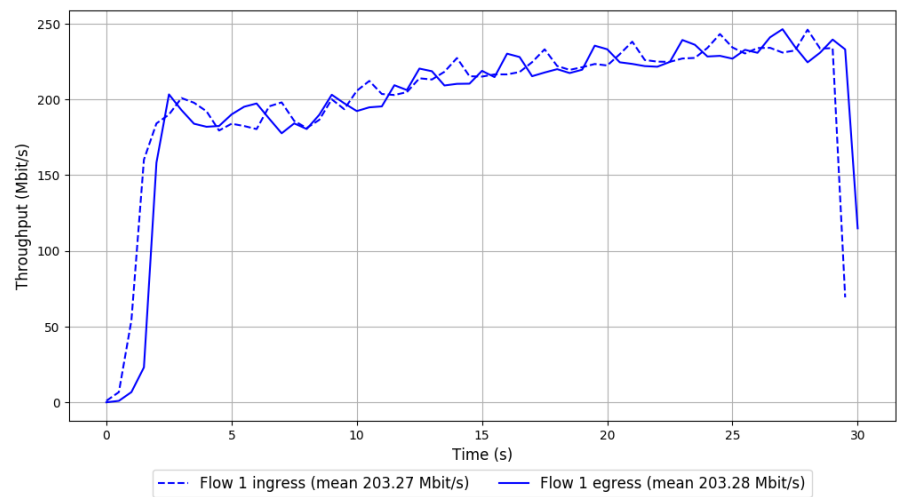
-- Flow 1:

Average throughput: 203.28 Mbit/s

95th percentile per-packet one-way delay: 88.521 ms

Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

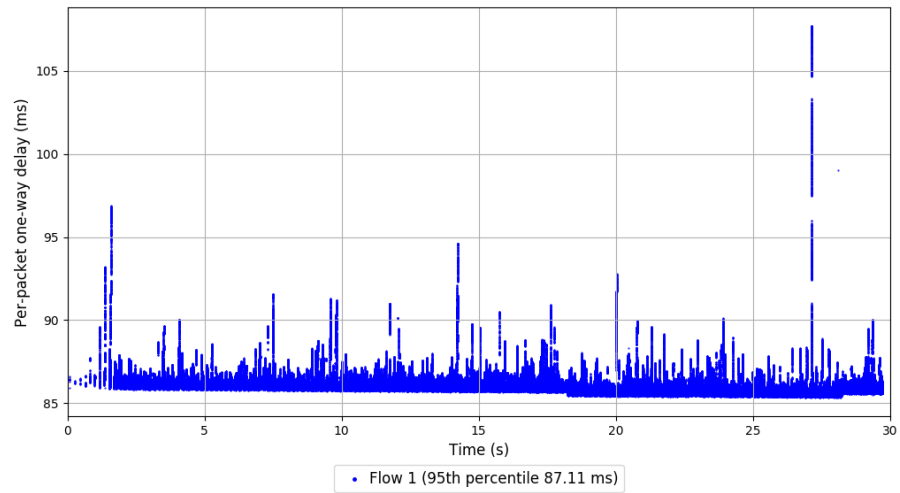
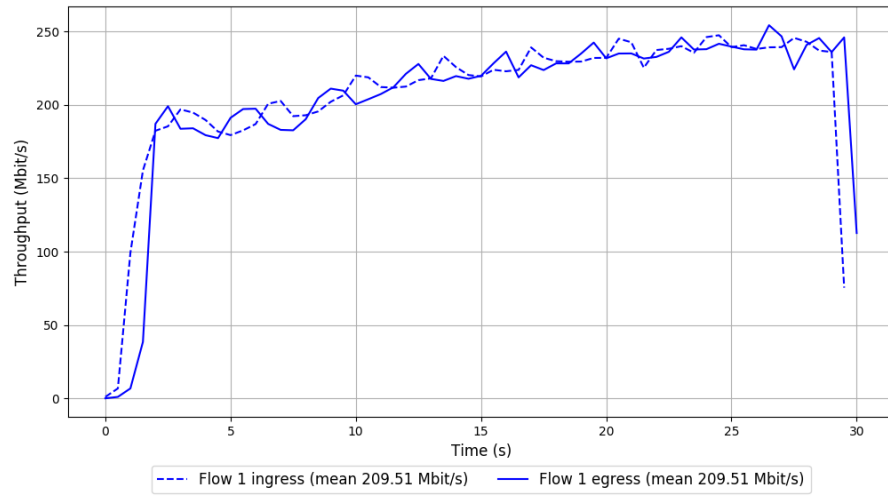


Run 3: Statistics of Indigo

Start at: 2018-05-21 22:17:30
End at: 2018-05-21 22:18:00
Local clock offset: 12.974 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-05-22 01:35:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 209.51 Mbit/s
95th percentile per-packet one-way delay: 87.110 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 209.51 Mbit/s
95th percentile per-packet one-way delay: 87.110 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-05-21 22:37:57

End at: 2018-05-21 22:38:27

Local clock offset: 12.792 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-05-22 01:35:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 208.00 Mbit/s

95th percentile per-packet one-way delay: 89.051 ms

Loss rate: 0.01%

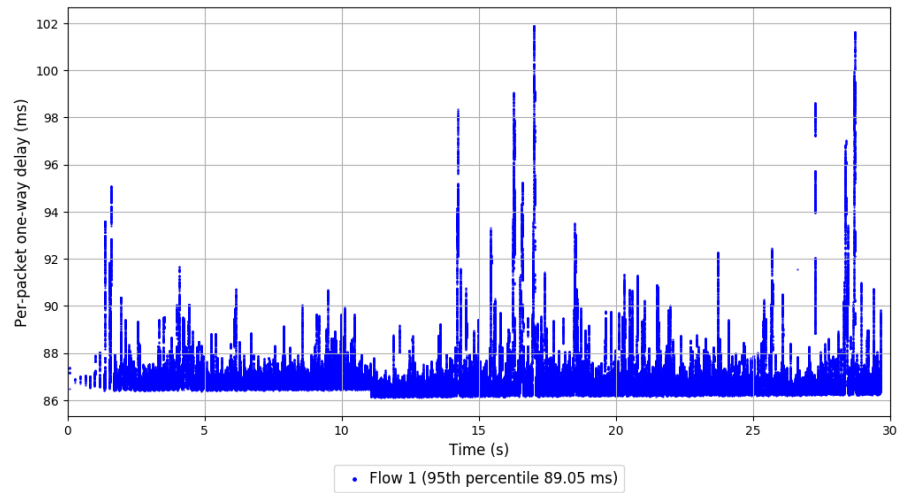
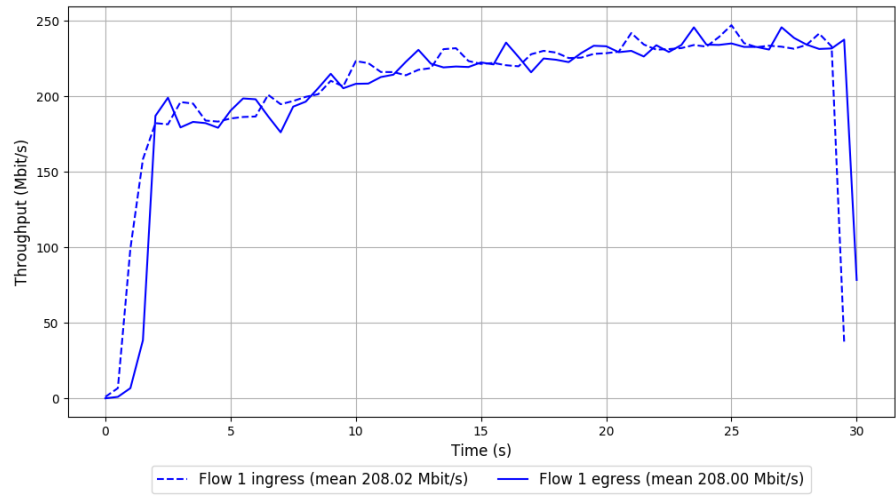
-- Flow 1:

Average throughput: 208.00 Mbit/s

95th percentile per-packet one-way delay: 89.051 ms

Loss rate: 0.01%

Run 4: Report of Indigo — Data Link

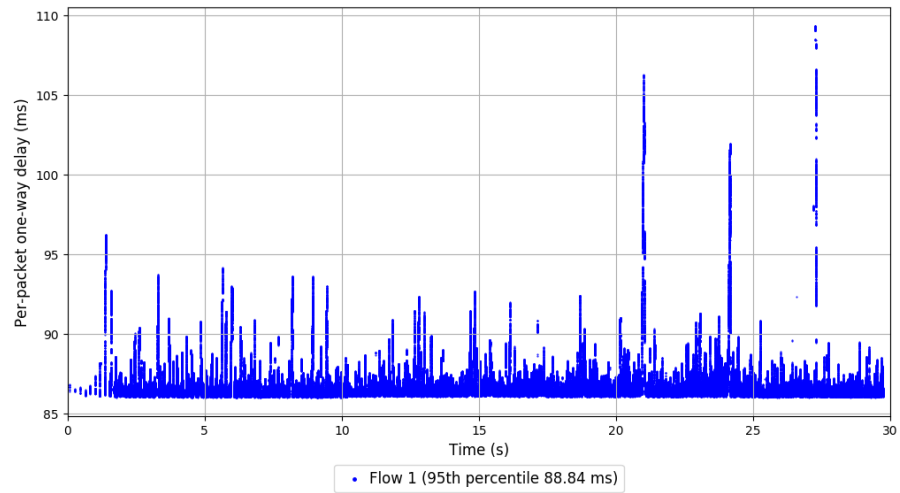
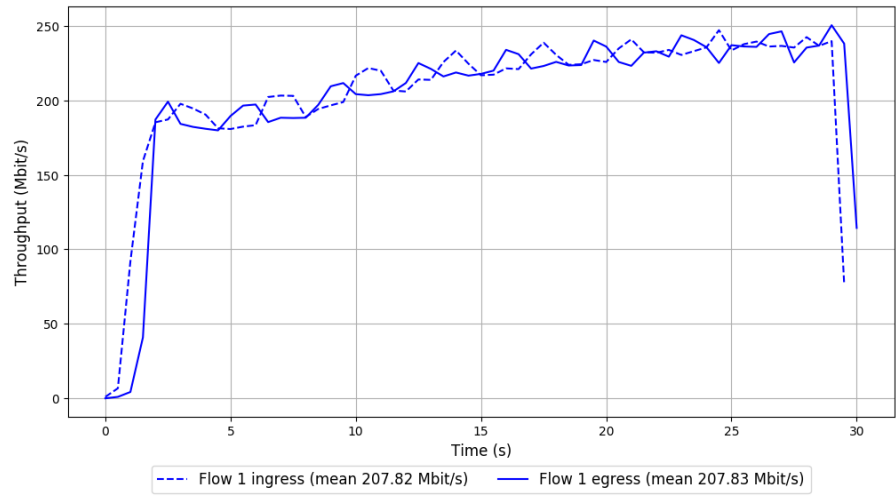


Run 5: Statistics of Indigo

Start at: 2018-05-21 22:58:28
End at: 2018-05-21 22:58:58
Local clock offset: 3.393 ms
Remote clock offset: -0.107 ms

Below is generated by plot.py at 2018-05-22 01:35:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 207.83 Mbit/s
95th percentile per-packet one-way delay: 88.841 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 207.83 Mbit/s
95th percentile per-packet one-way delay: 88.841 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-05-21 23:19:07

End at: 2018-05-21 23:19:37

Local clock offset: 2.356 ms

Remote clock offset: 0.053 ms

Below is generated by plot.py at 2018-05-22 01:35:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 198.20 Mbit/s

95th percentile per-packet one-way delay: 88.499 ms

Loss rate: 0.00%

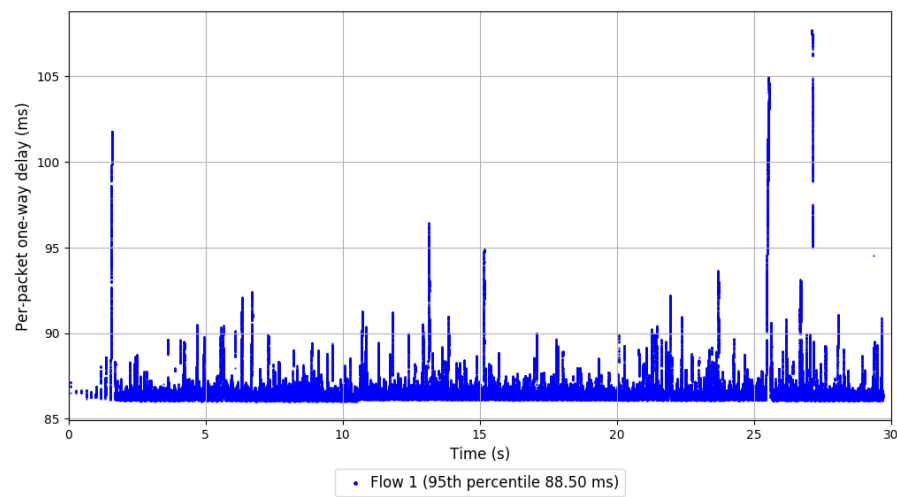
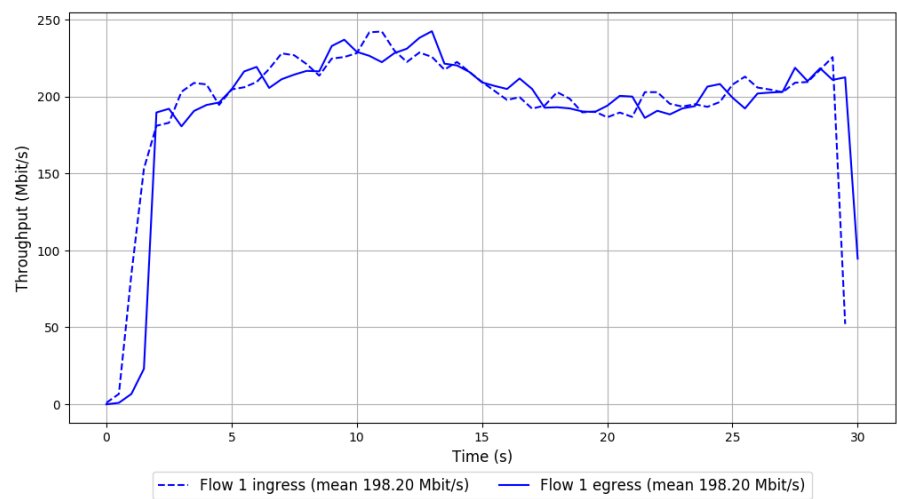
-- Flow 1:

Average throughput: 198.20 Mbit/s

95th percentile per-packet one-way delay: 88.499 ms

Loss rate: 0.00%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-05-21 23:39:42

End at: 2018-05-21 23:40:12

Local clock offset: 1.161 ms

Remote clock offset: 0.075 ms

Below is generated by plot.py at 2018-05-22 01:35:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.97 Mbit/s

95th percentile per-packet one-way delay: 88.004 ms

Loss rate: 0.00%

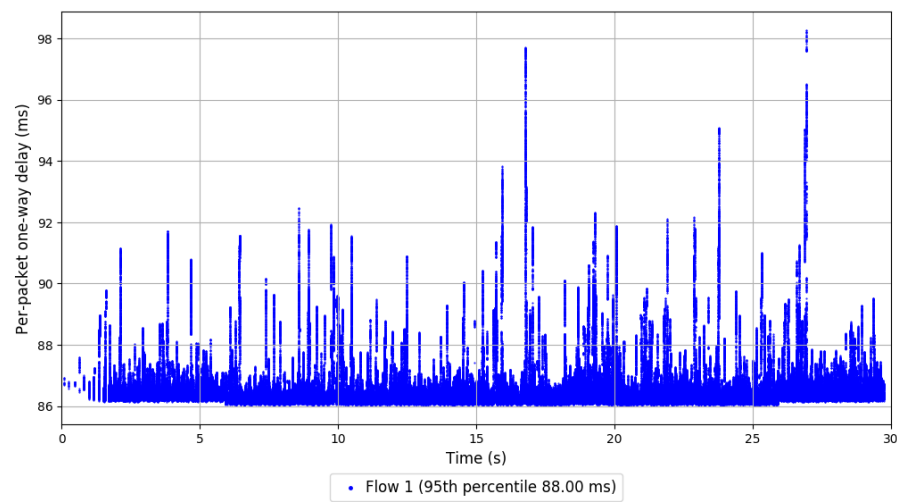
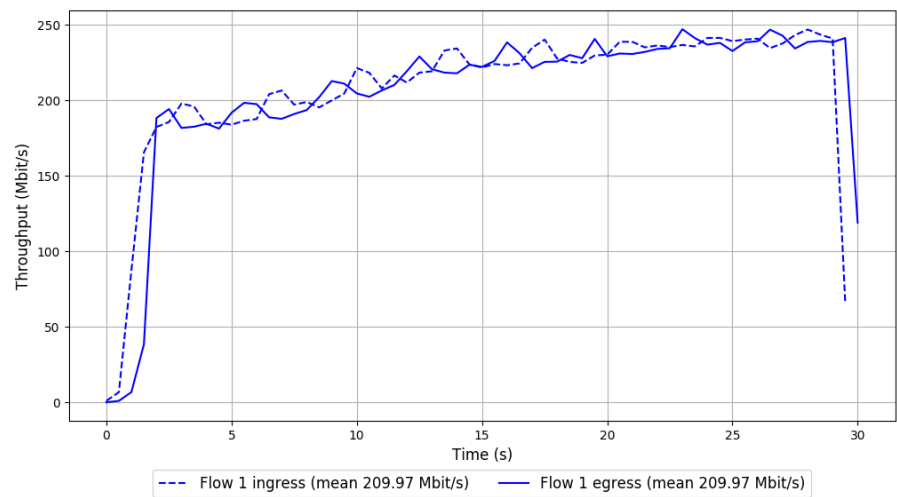
-- Flow 1:

Average throughput: 209.97 Mbit/s

95th percentile per-packet one-way delay: 88.004 ms

Loss rate: 0.00%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-05-22 00:00:23

End at: 2018-05-22 00:00:53

Local clock offset: 0.671 ms

Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-05-22 01:35:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 205.49 Mbit/s

95th percentile per-packet one-way delay: 88.497 ms

Loss rate: 0.00%

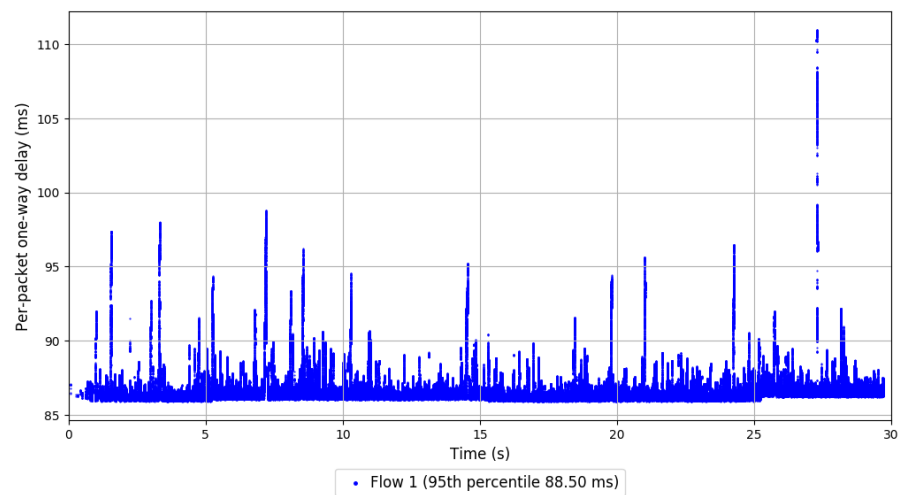
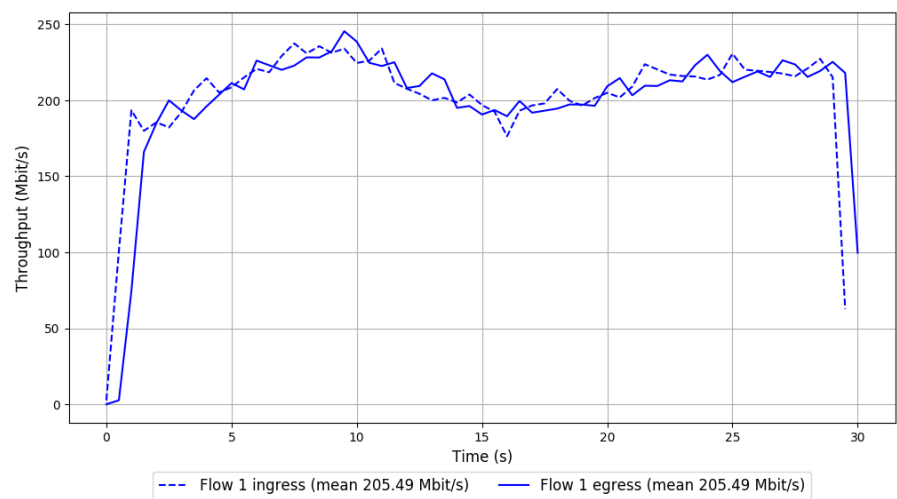
-- Flow 1:

Average throughput: 205.49 Mbit/s

95th percentile per-packet one-way delay: 88.497 ms

Loss rate: 0.00%

Run 8: Report of Indigo — Data Link

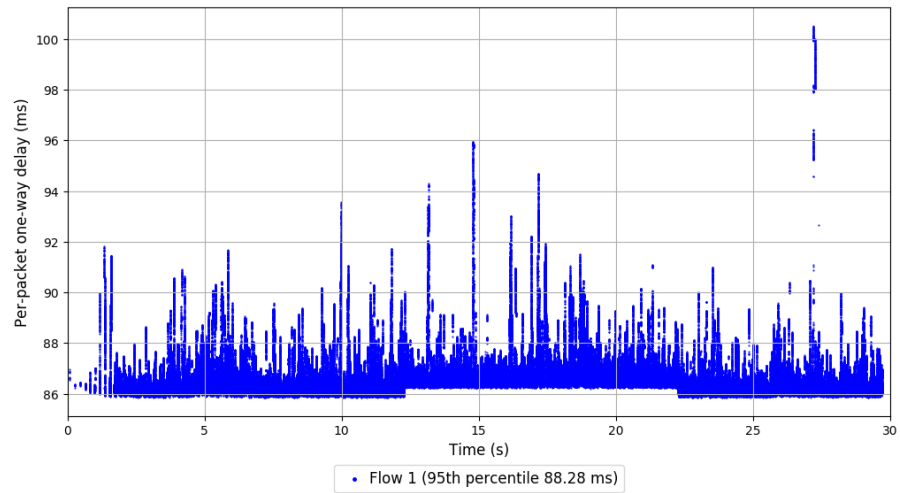
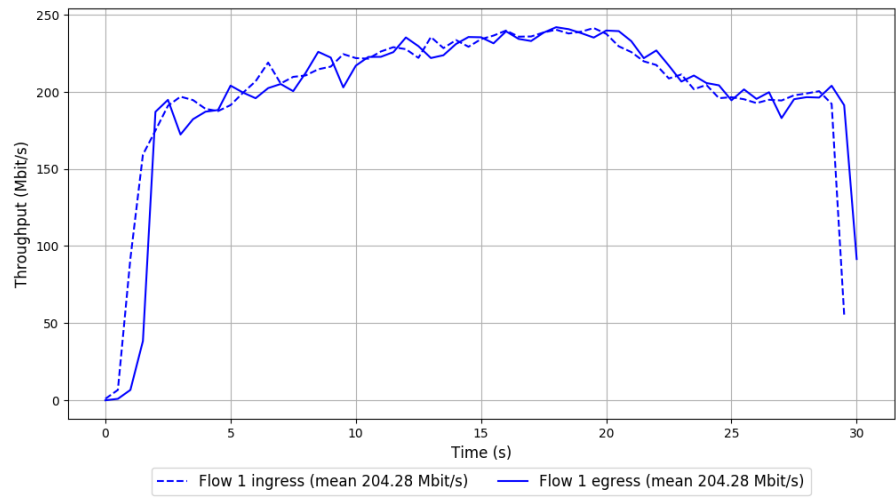


Run 9: Statistics of Indigo

Start at: 2018-05-22 00:20:56
End at: 2018-05-22 00:21:26
Local clock offset: 0.832 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-05-22 01:35:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 204.28 Mbit/s
95th percentile per-packet one-way delay: 88.284 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 204.28 Mbit/s
95th percentile per-packet one-way delay: 88.284 ms
Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-05-22 00:41:38

End at: 2018-05-22 00:42:08

Local clock offset: 0.271 ms

Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-05-22 01:35:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.60 Mbit/s

95th percentile per-packet one-way delay: 88.266 ms

Loss rate: 0.00%

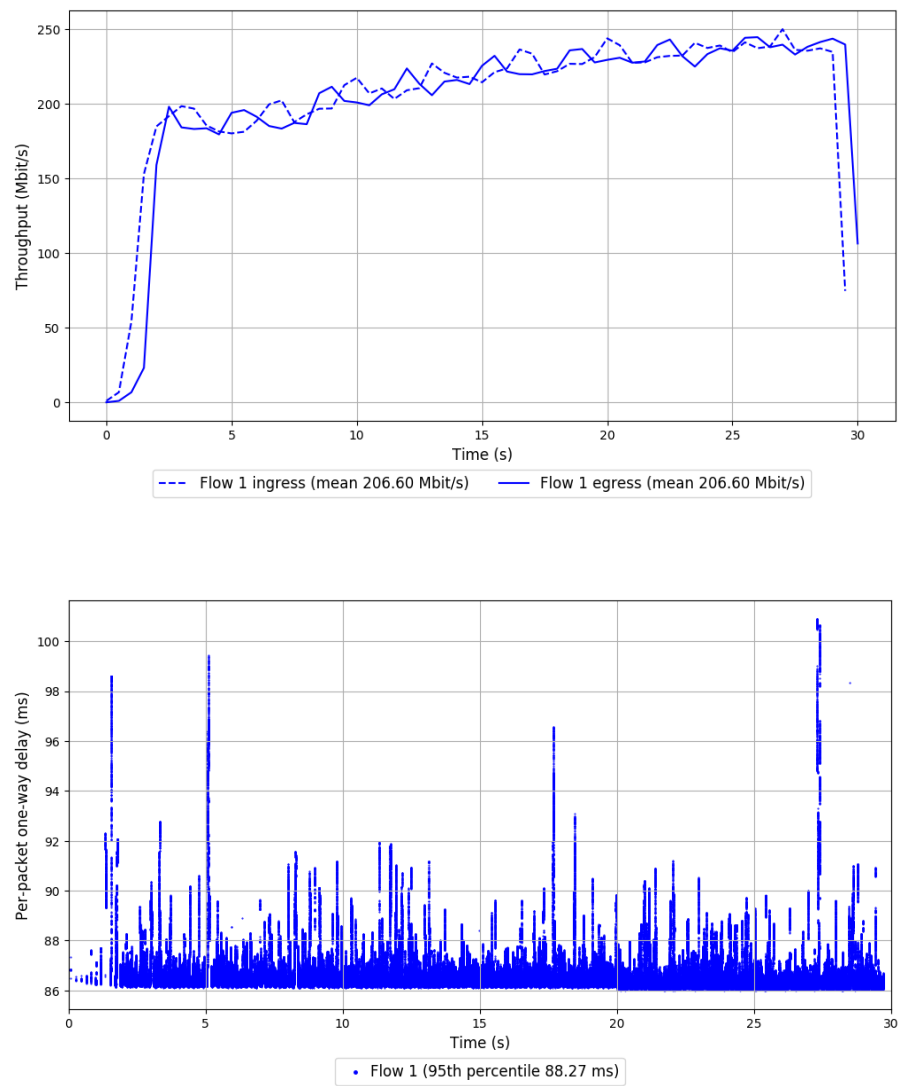
-- Flow 1:

Average throughput: 206.60 Mbit/s

95th percentile per-packet one-way delay: 88.266 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

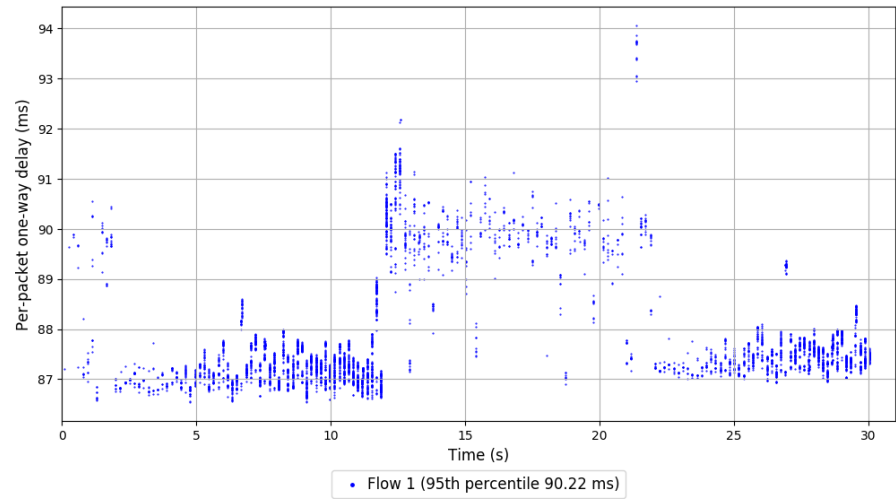
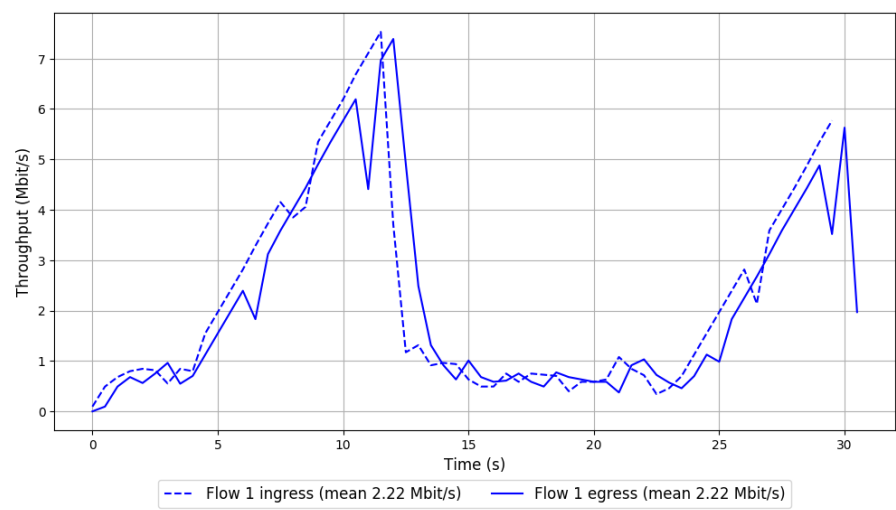


```
Run 1: Statistics of LEDBAT

Start at: 2018-05-21 21:31:46
End at: 2018-05-21 21:32:16
Local clock offset: 16.57 ms
Remote clock offset: 0.215 ms

# Below is generated by plot.py at 2018-05-22 01:35:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 90.218 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 90.218 ms
Loss rate: 0.04%
```

Run 1: Report of LEDBAT — Data Link

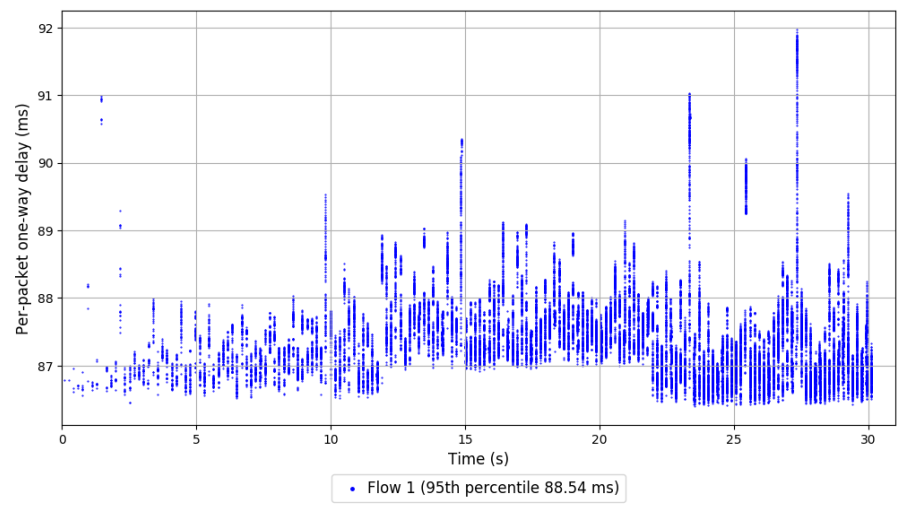
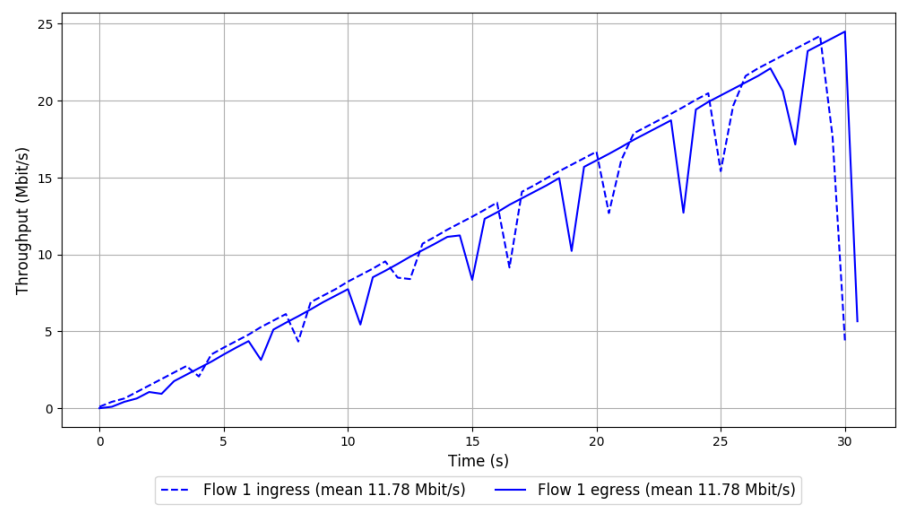


Run 2: Statistics of LEDBAT

Start at: 2018-05-21 21:52:16
End at: 2018-05-21 21:52:46
Local clock offset: 17.063 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-05-22 01:35:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.78 Mbit/s
95th percentile per-packet one-way delay: 88.536 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.78 Mbit/s
95th percentile per-packet one-way delay: 88.536 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

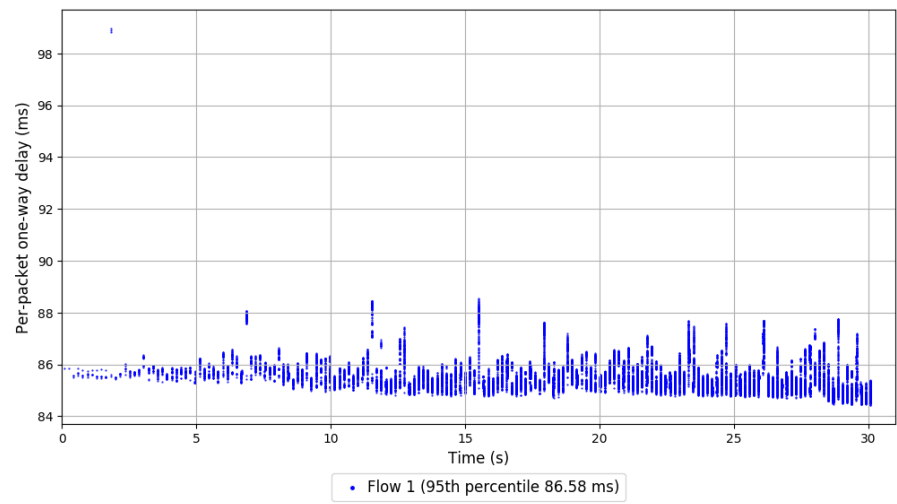
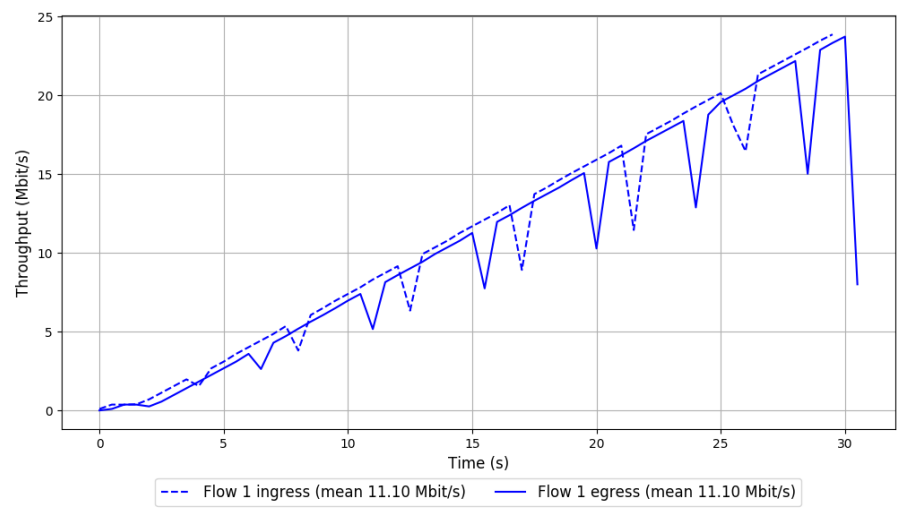


Run 3: Statistics of LEDBAT

Start at: 2018-05-21 22:12:30
End at: 2018-05-21 22:13:00
Local clock offset: 18.682 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-05-22 01:35:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.10 Mbit/s
95th percentile per-packet one-way delay: 86.580 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.10 Mbit/s
95th percentile per-packet one-way delay: 86.580 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

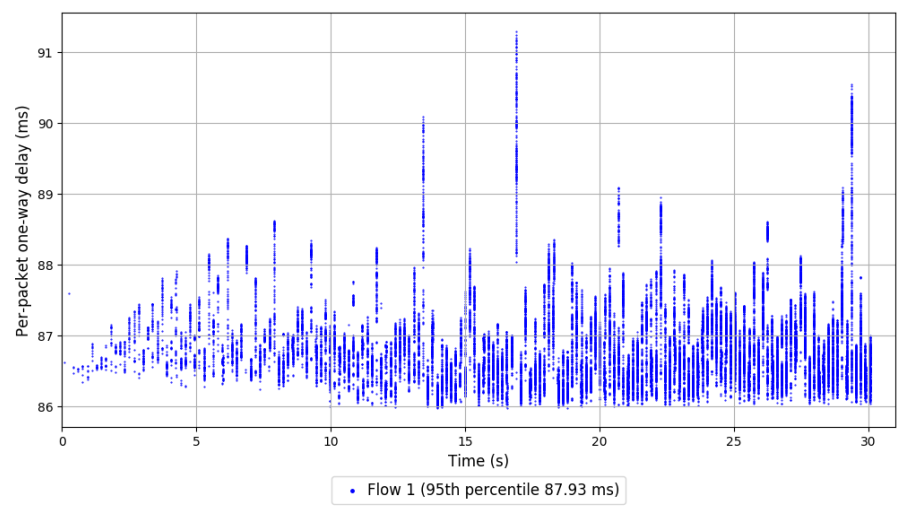
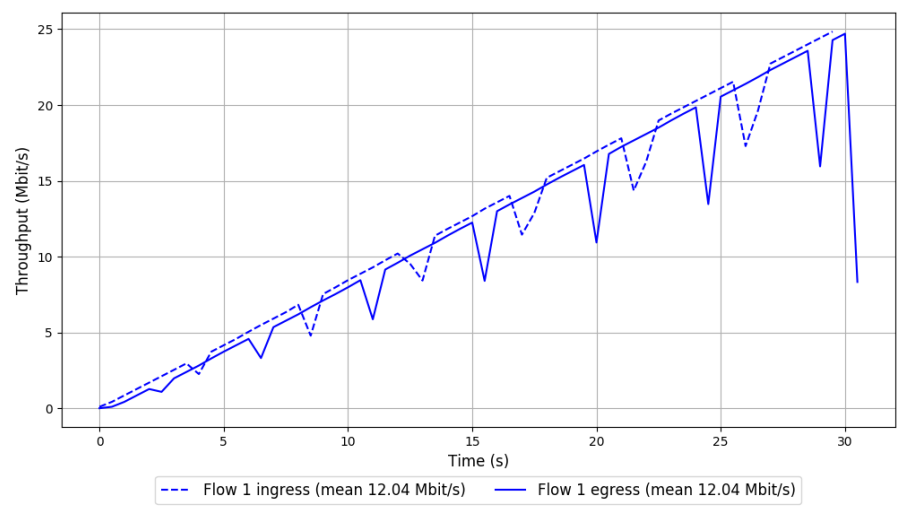


Run 4: Statistics of LEDBAT

Start at: 2018-05-21 22:32:59
End at: 2018-05-21 22:33:29
Local clock offset: 11.555 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-05-22 01:35:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.04 Mbit/s
95th percentile per-packet one-way delay: 87.927 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.04 Mbit/s
95th percentile per-packet one-way delay: 87.927 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

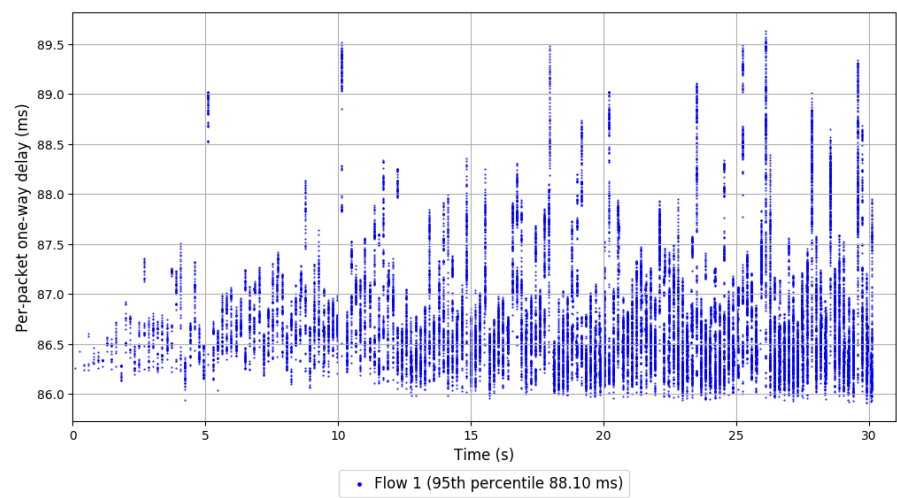
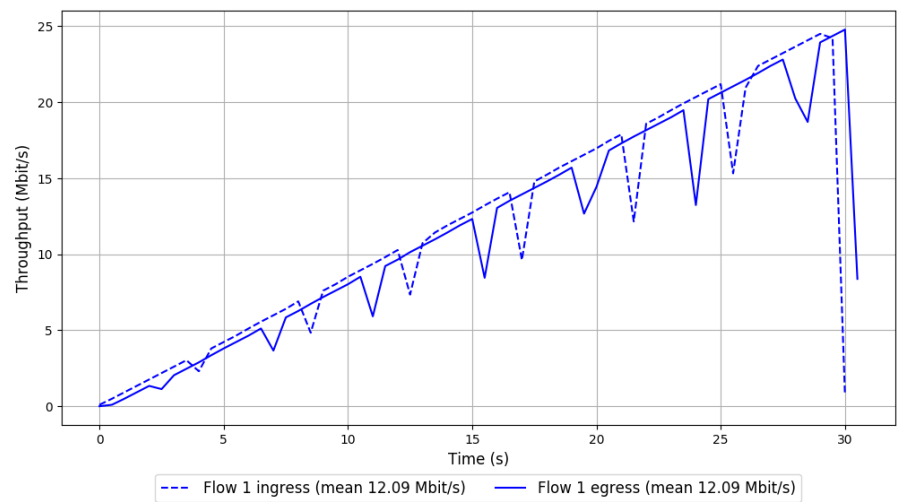


Run 5: Statistics of LEDBAT

Start at: 2018-05-21 22:53:33
End at: 2018-05-21 22:54:03
Local clock offset: 4.726 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-05-22 01:35:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.09 Mbit/s
95th percentile per-packet one-way delay: 88.099 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.09 Mbit/s
95th percentile per-packet one-way delay: 88.099 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-05-21 23:14:05

End at: 2018-05-21 23:14:35

Local clock offset: 3.304 ms

Remote clock offset: 0.044 ms

Below is generated by plot.py at 2018-05-22 01:35:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.03 Mbit/s

95th percentile per-packet one-way delay: 87.886 ms

Loss rate: 0.00%

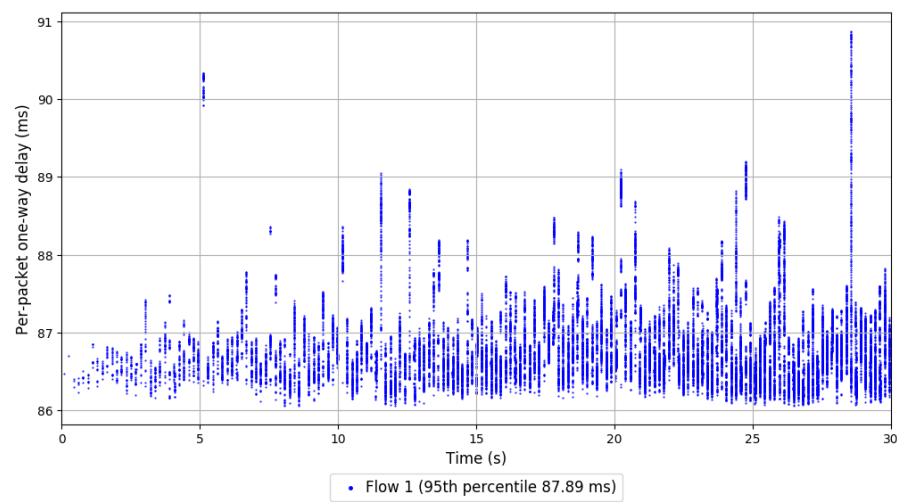
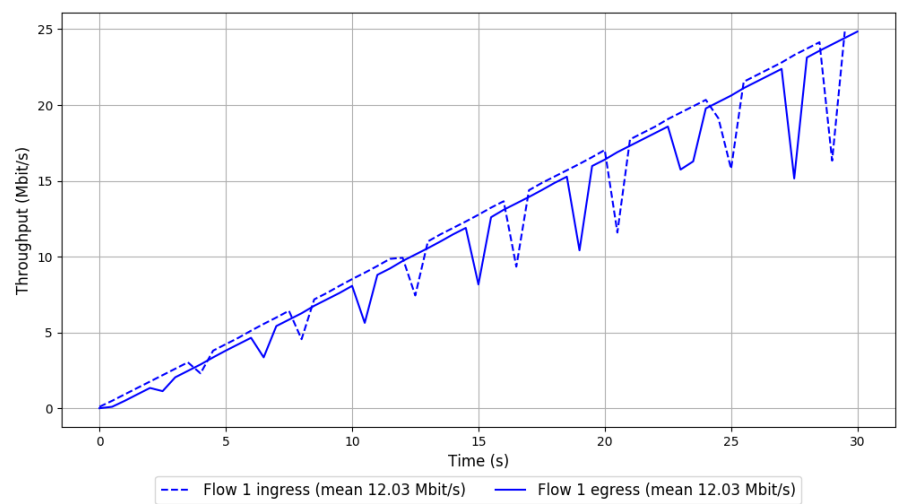
-- Flow 1:

Average throughput: 12.03 Mbit/s

95th percentile per-packet one-way delay: 87.886 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-05-21 23:34:42

End at: 2018-05-21 23:35:12

Local clock offset: 1.244 ms

Remote clock offset: 0.091 ms

Below is generated by plot.py at 2018-05-22 01:35:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.45 Mbit/s

95th percentile per-packet one-way delay: 87.635 ms

Loss rate: 0.00%

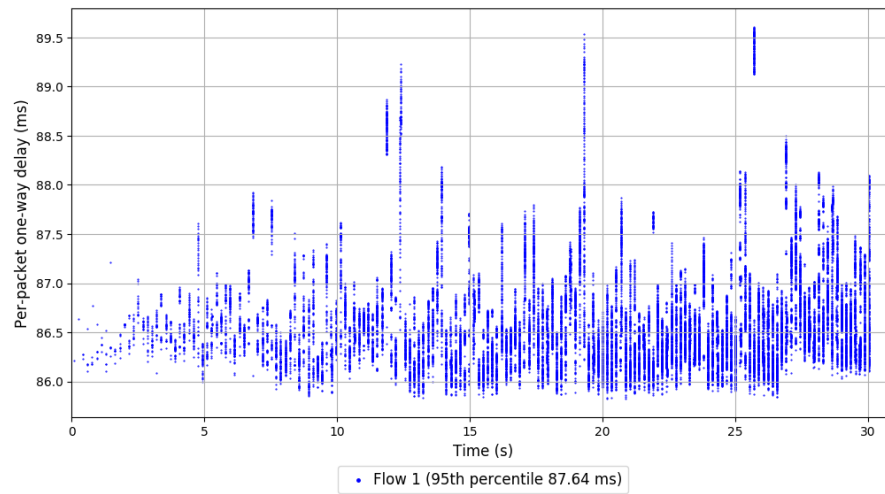
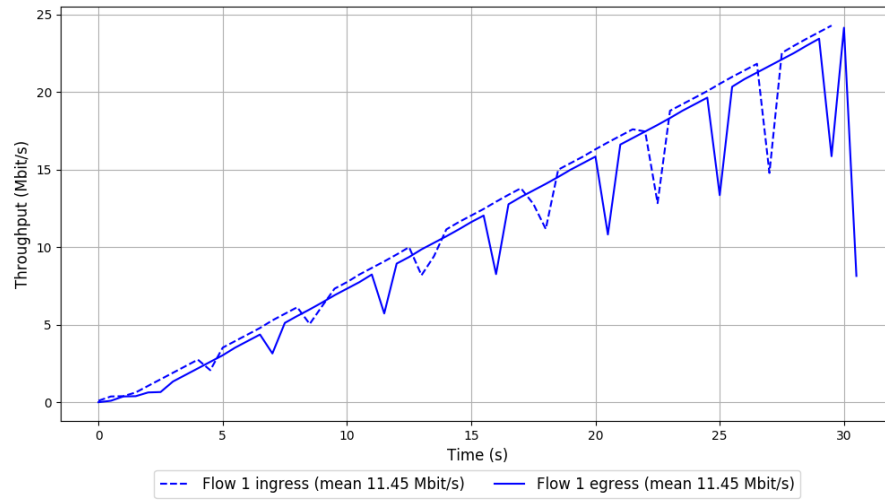
-- Flow 1:

Average throughput: 11.45 Mbit/s

95th percentile per-packet one-way delay: 87.635 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

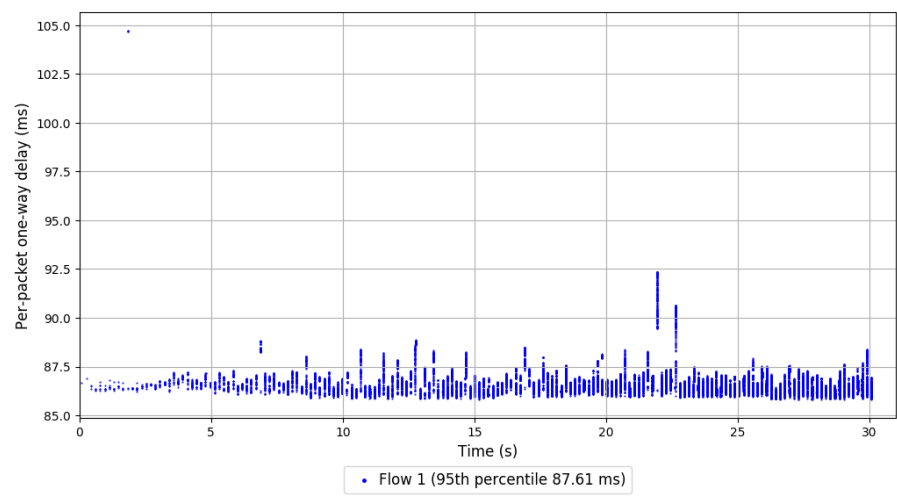
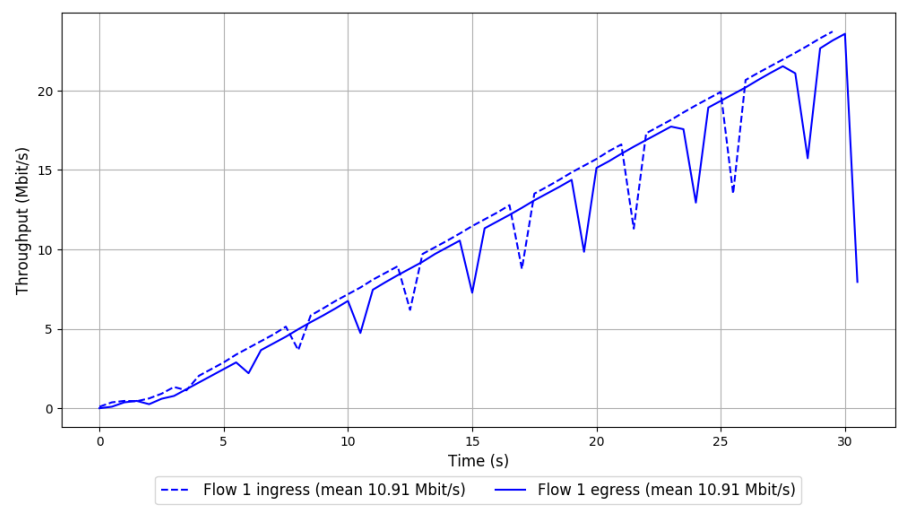


Run 8: Statistics of LEDBAT

Start at: 2018-05-21 23:55:22
End at: 2018-05-21 23:55:52
Local clock offset: 1.006 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-05-22 01:35:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.91 Mbit/s
95th percentile per-packet one-way delay: 87.606 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.91 Mbit/s
95th percentile per-packet one-way delay: 87.606 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

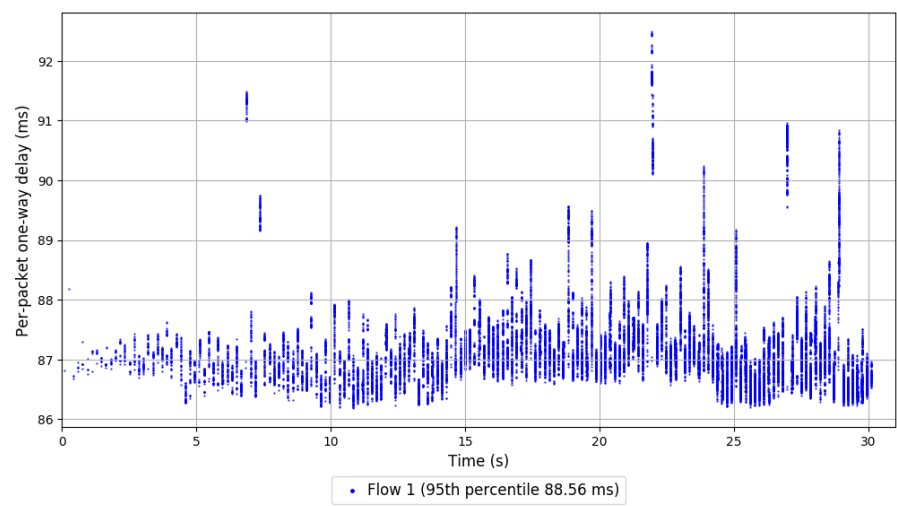
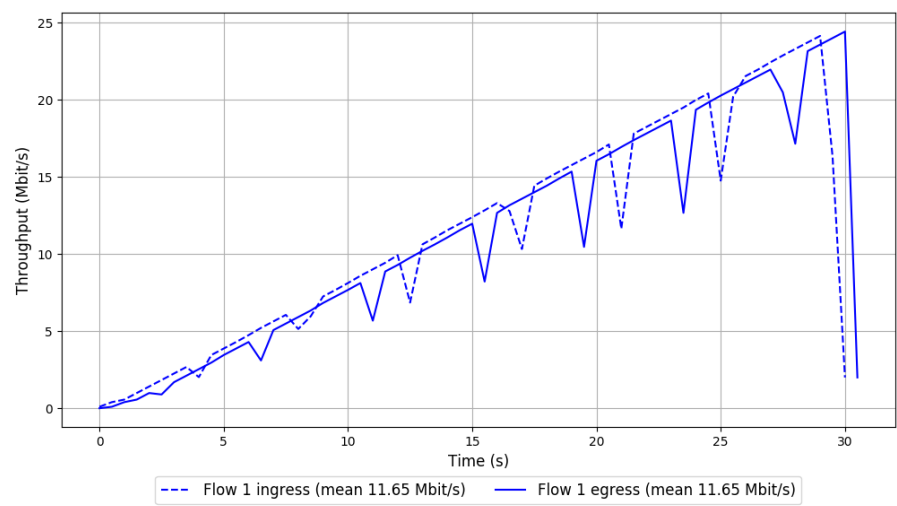


Run 9: Statistics of LEDBAT

Start at: 2018-05-22 00:15:54
End at: 2018-05-22 00:16:24
Local clock offset: 0.542 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-05-22 01:35:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.65 Mbit/s
95th percentile per-packet one-way delay: 88.563 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.65 Mbit/s
95th percentile per-packet one-way delay: 88.563 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

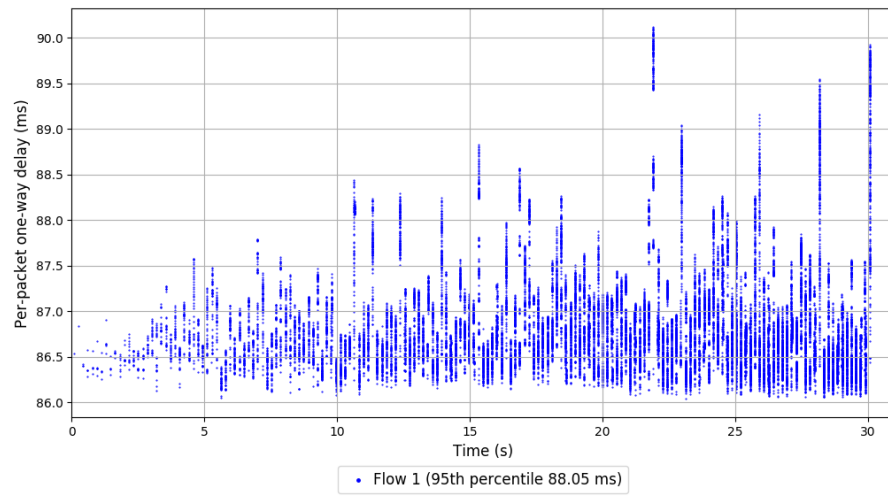
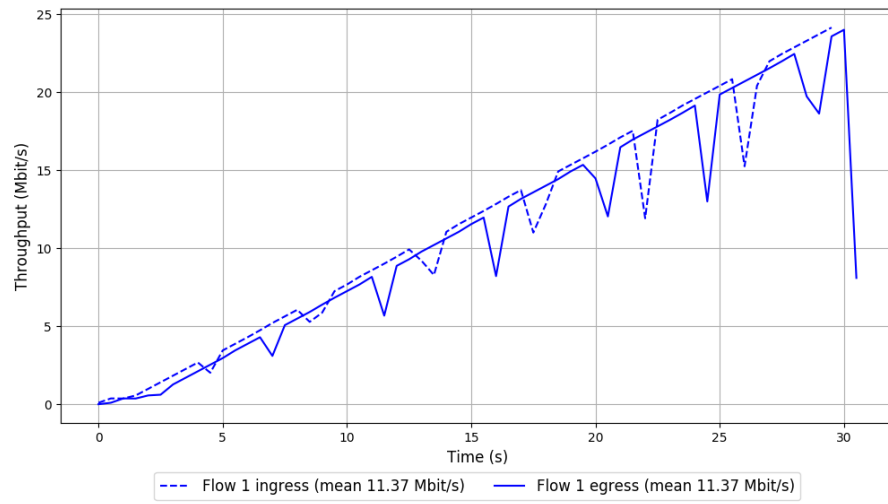


Run 10: Statistics of LEDBAT

Start at: 2018-05-22 00:36:37
End at: 2018-05-22 00:37:07
Local clock offset: 0.157 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-05-22 01:35:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.37 Mbit/s
95th percentile per-packet one-way delay: 88.048 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.37 Mbit/s
95th percentile per-packet one-way delay: 88.048 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-05-21 21:40:48

End at: 2018-05-21 21:41:18

Local clock offset: 14.304 ms

Remote clock offset: -1.151 ms

Below is generated by plot.py at 2018-05-22 01:39:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 511.27 Mbit/s

95th percentile per-packet one-way delay: 162.474 ms

Loss rate: 1.34%

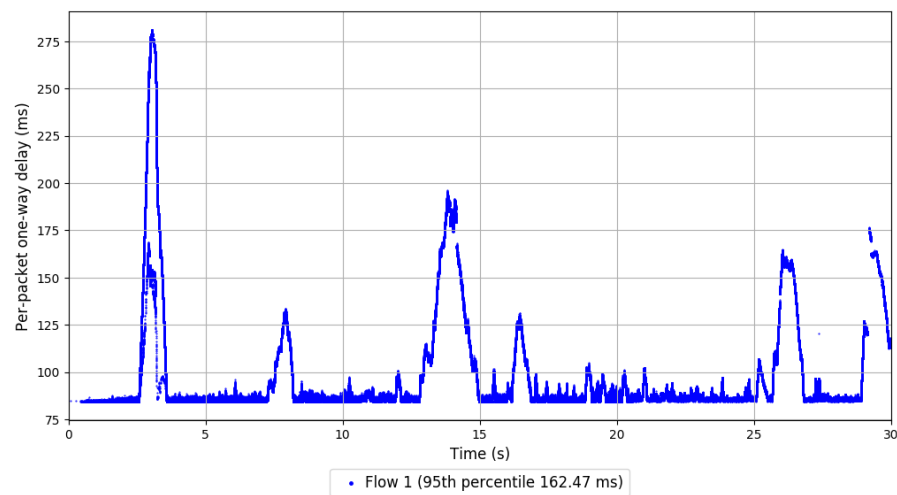
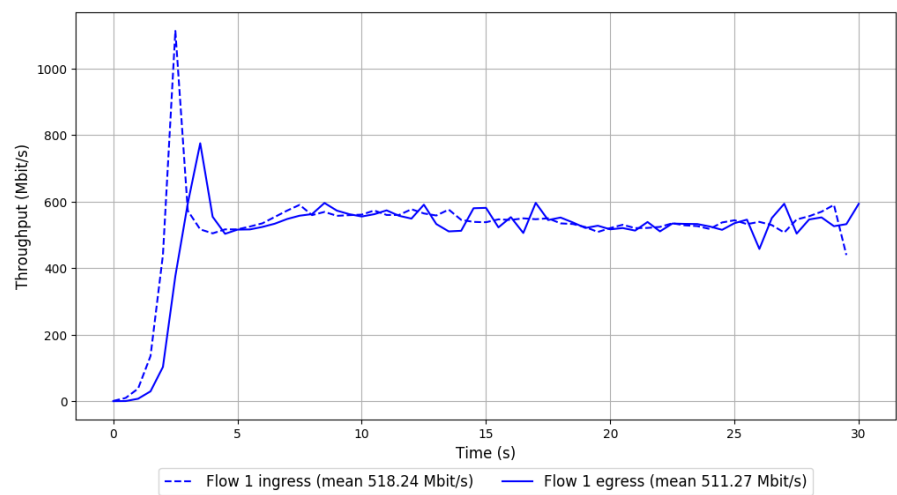
-- Flow 1:

Average throughput: 511.27 Mbit/s

95th percentile per-packet one-way delay: 162.474 ms

Loss rate: 1.34%

Run 1: Report of PCC-Allegro — Data Link

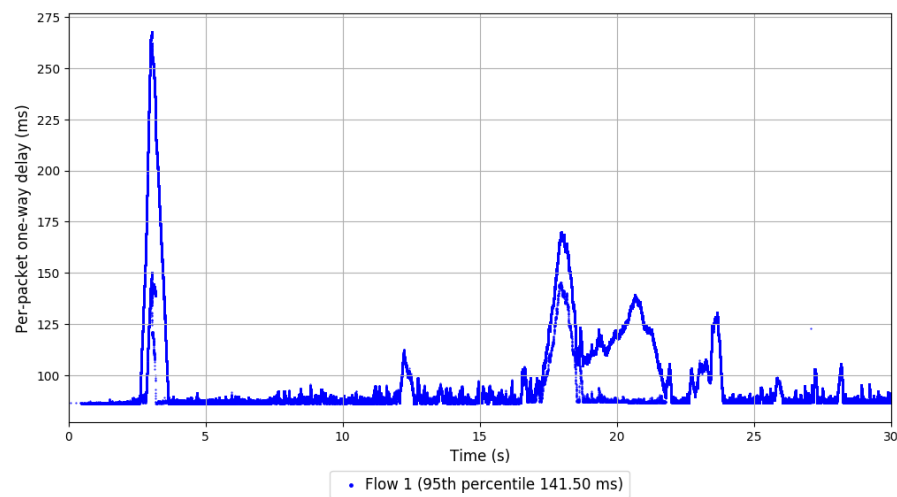
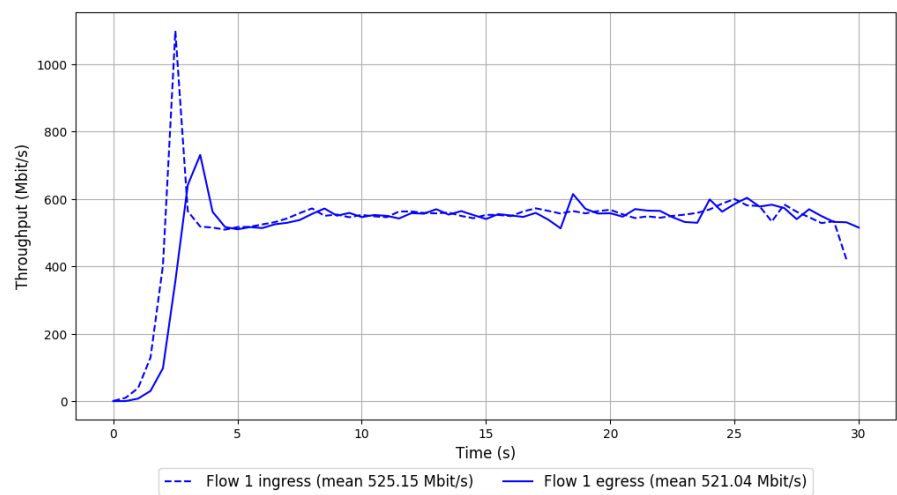


Run 2: Statistics of PCC-Allegro

Start at: 2018-05-21 22:01:08
End at: 2018-05-21 22:01:38
Local clock offset: 23.026 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-05-22 01:39:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 521.04 Mbit/s
95th percentile per-packet one-way delay: 141.499 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 521.04 Mbit/s
95th percentile per-packet one-way delay: 141.499 ms
Loss rate: 0.78%

Run 2: Report of PCC-Allegro — Data Link

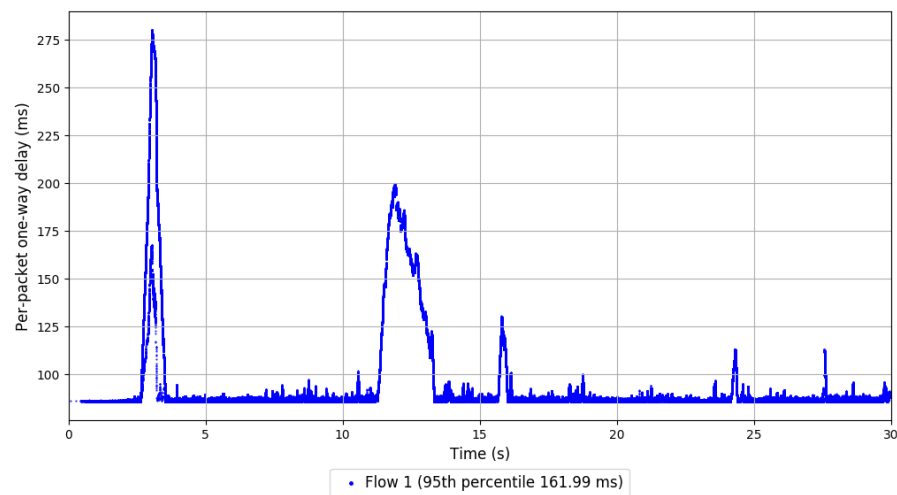
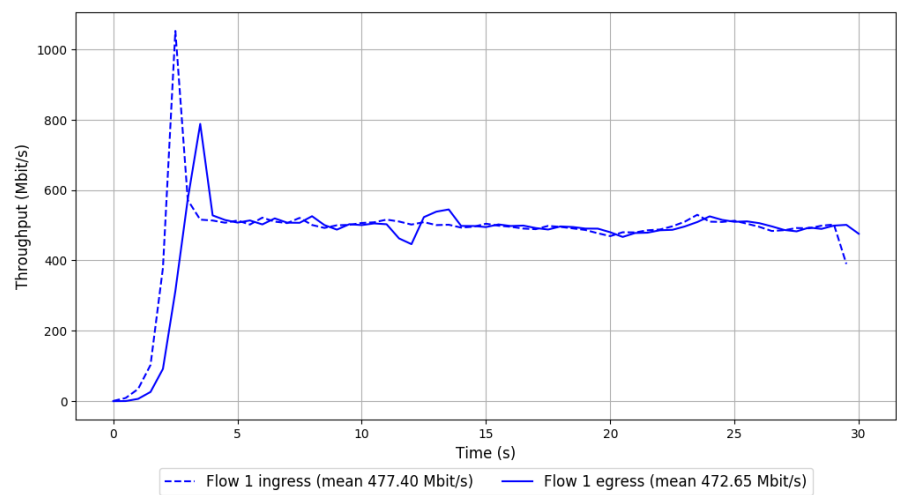


Run 3: Statistics of PCC-Allegro

Start at: 2018-05-21 22:21:31
End at: 2018-05-21 22:22:01
Local clock offset: 11.25 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-05-22 01:39:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 472.65 Mbit/s
95th percentile per-packet one-way delay: 161.988 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 472.65 Mbit/s
95th percentile per-packet one-way delay: 161.988 ms
Loss rate: 0.99%

Run 3: Report of PCC-Allegro — Data Link

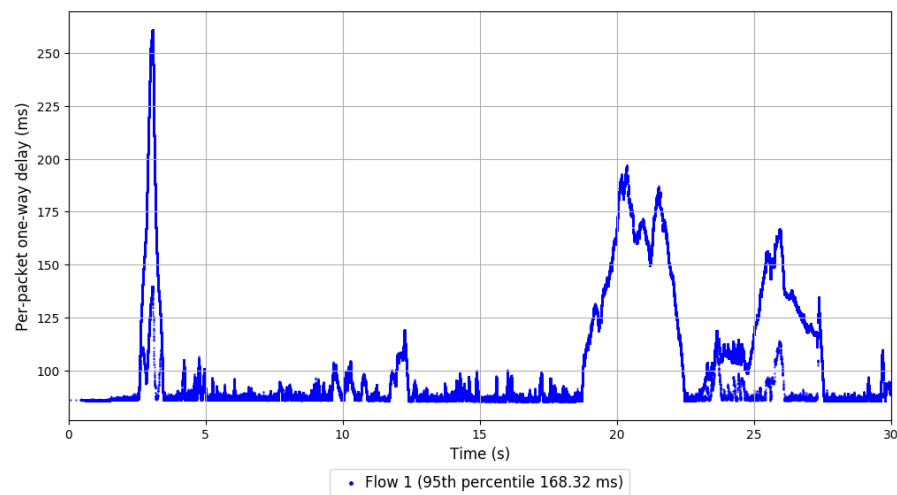
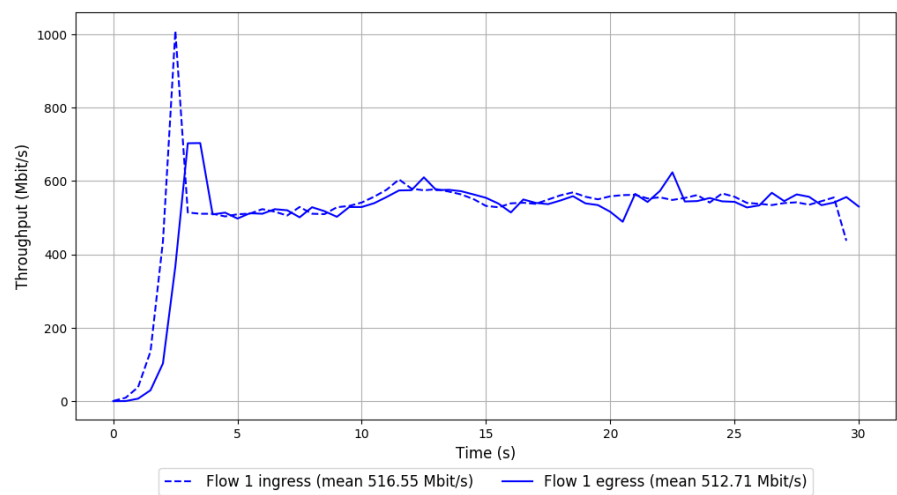


Run 4: Statistics of PCC-Allegro

Start at: 2018-05-21 22:41:57
End at: 2018-05-21 22:42:27
Local clock offset: 14.267 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-05-22 01:39:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 512.71 Mbit/s
95th percentile per-packet one-way delay: 168.317 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 512.71 Mbit/s
95th percentile per-packet one-way delay: 168.317 ms
Loss rate: 0.74%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-05-21 23:02:30

End at: 2018-05-21 23:03:00

Local clock offset: 3.557 ms

Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-05-22 01:39:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 508.24 Mbit/s

95th percentile per-packet one-way delay: 151.369 ms

Loss rate: 0.71%

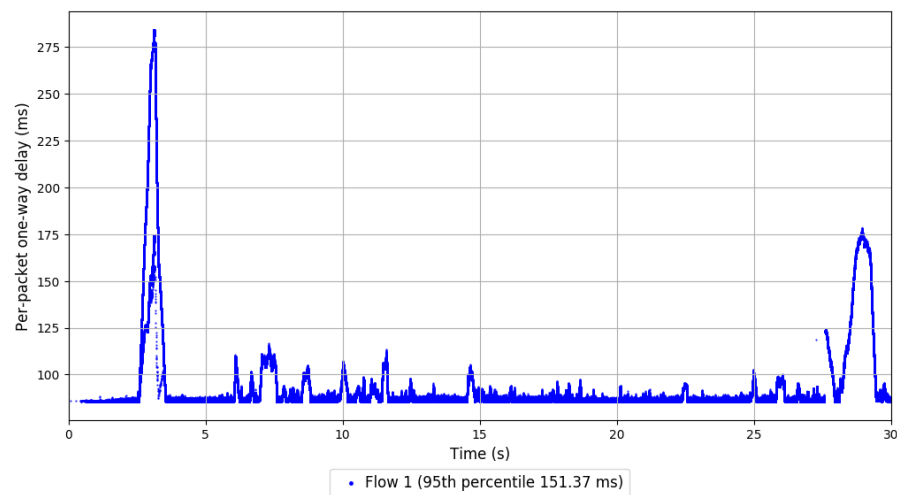
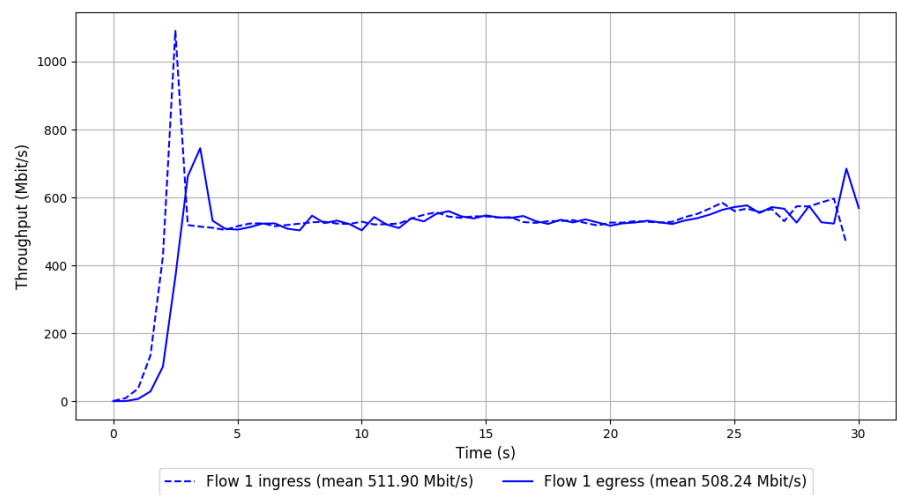
-- Flow 1:

Average throughput: 508.24 Mbit/s

95th percentile per-packet one-way delay: 151.369 ms

Loss rate: 0.71%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-05-21 23:23:09

End at: 2018-05-21 23:23:39

Local clock offset: 1.843 ms

Remote clock offset: 0.063 ms

Below is generated by plot.py at 2018-05-22 01:40:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 486.58 Mbit/s

95th percentile per-packet one-way delay: 160.025 ms

Loss rate: 0.97%

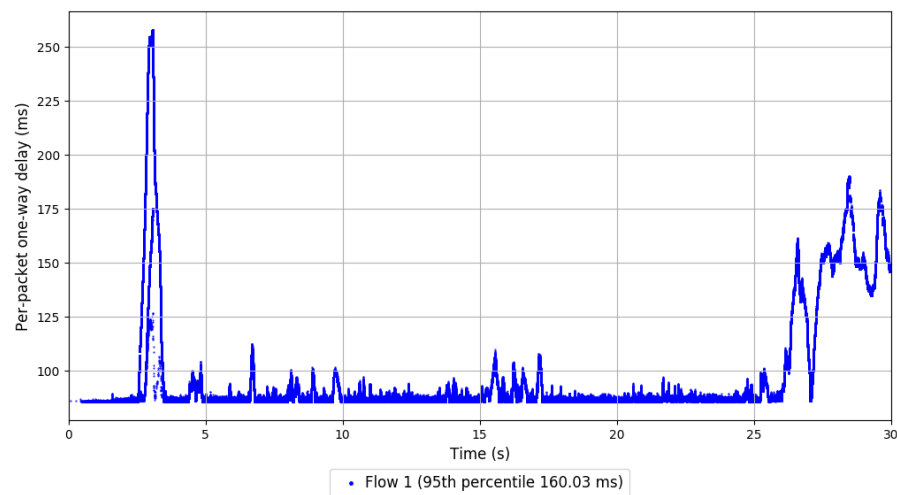
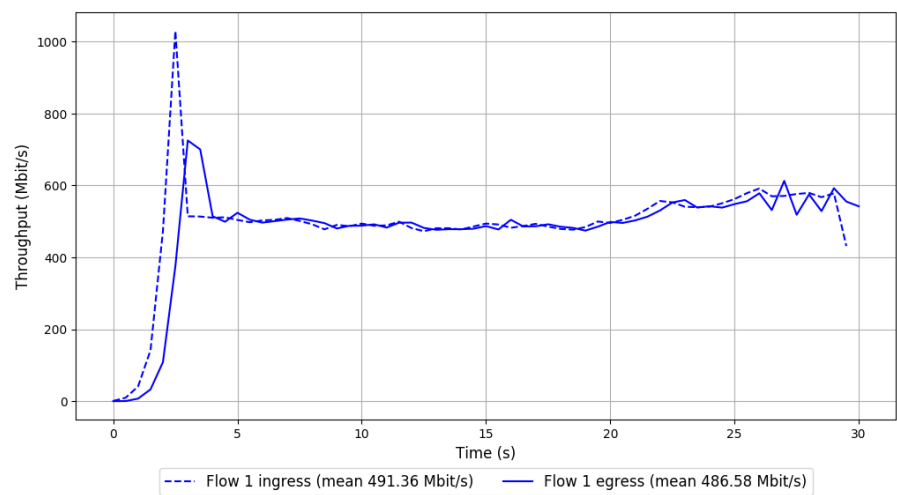
-- Flow 1:

Average throughput: 486.58 Mbit/s

95th percentile per-packet one-way delay: 160.025 ms

Loss rate: 0.97%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-05-21 23:43:47

End at: 2018-05-21 23:44:17

Local clock offset: 1.444 ms

Remote clock offset: 0.071 ms

Below is generated by plot.py at 2018-05-22 01:43:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 527.33 Mbit/s

95th percentile per-packet one-way delay: 108.699 ms

Loss rate: 0.87%

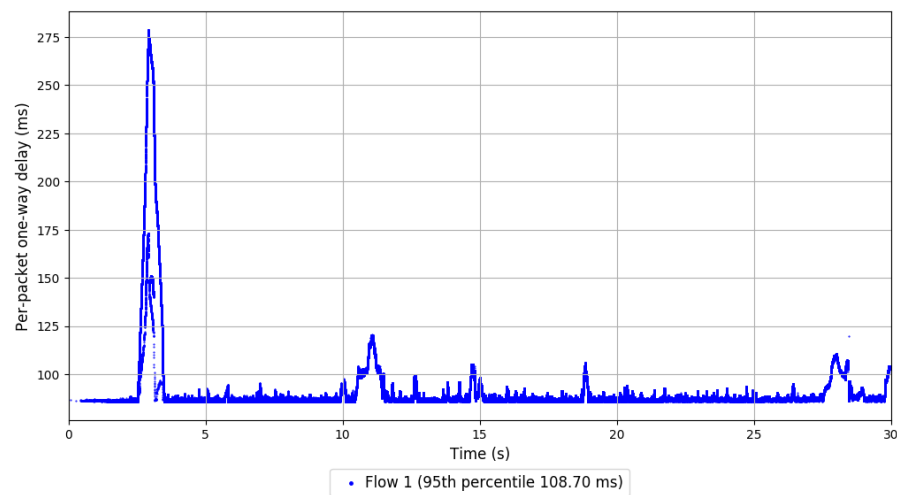
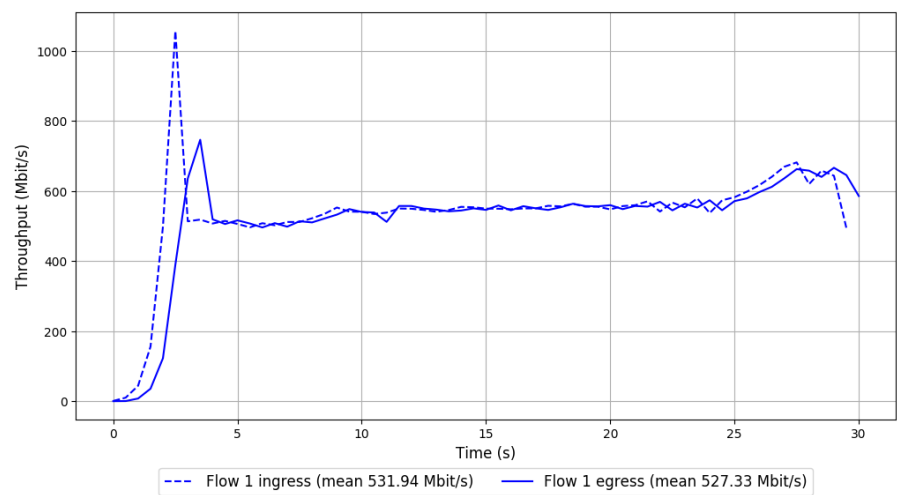
-- Flow 1:

Average throughput: 527.33 Mbit/s

95th percentile per-packet one-way delay: 108.699 ms

Loss rate: 0.87%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-05-22 00:04:14

End at: 2018-05-22 00:04:44

Local clock offset: 0.885 ms

Remote clock offset: -0.132 ms

Below is generated by plot.py at 2018-05-22 01:45:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 494.61 Mbit/s

95th percentile per-packet one-way delay: 135.413 ms

Loss rate: 0.84%

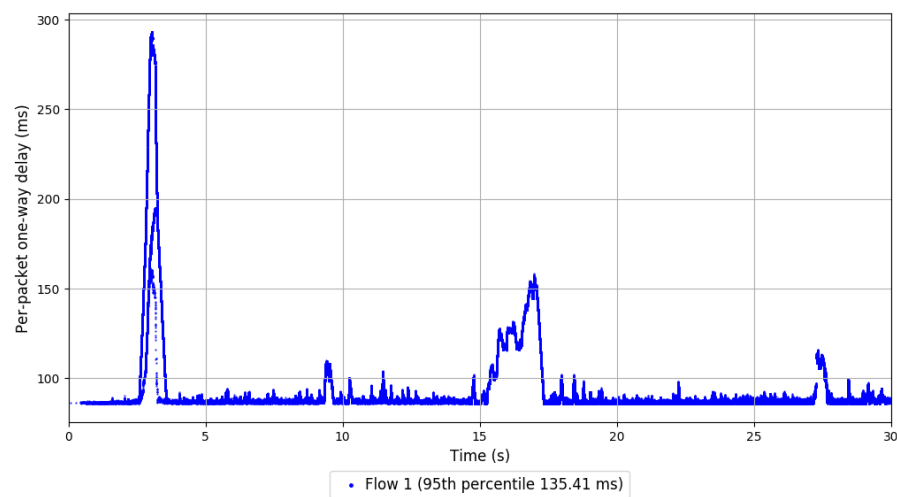
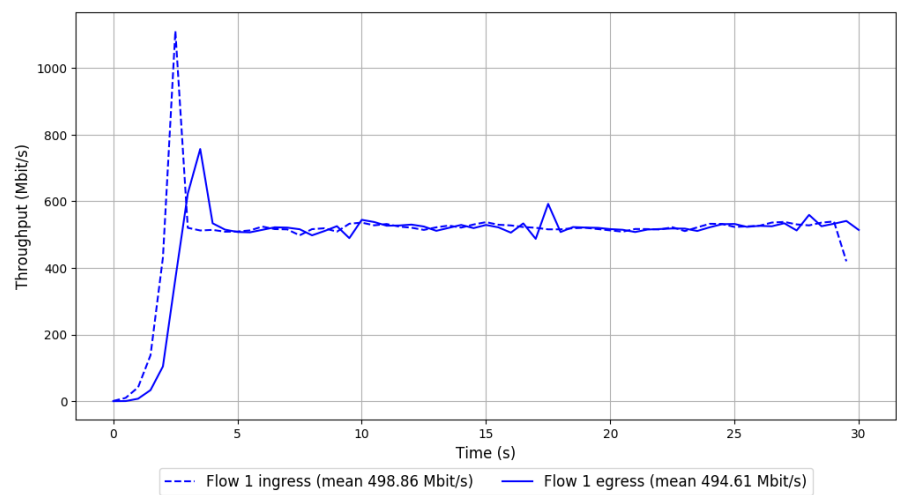
-- Flow 1:

Average throughput: 494.61 Mbit/s

95th percentile per-packet one-way delay: 135.413 ms

Loss rate: 0.84%

Run 8: Report of PCC-Allegro — Data Link

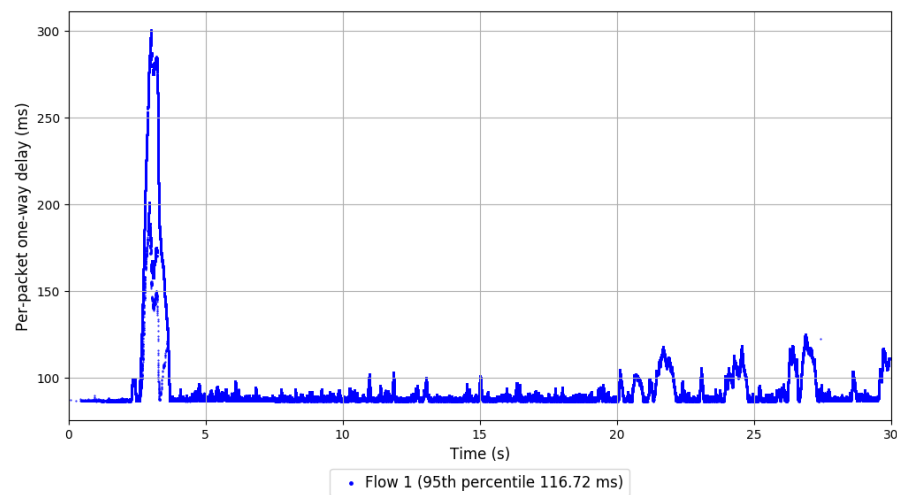
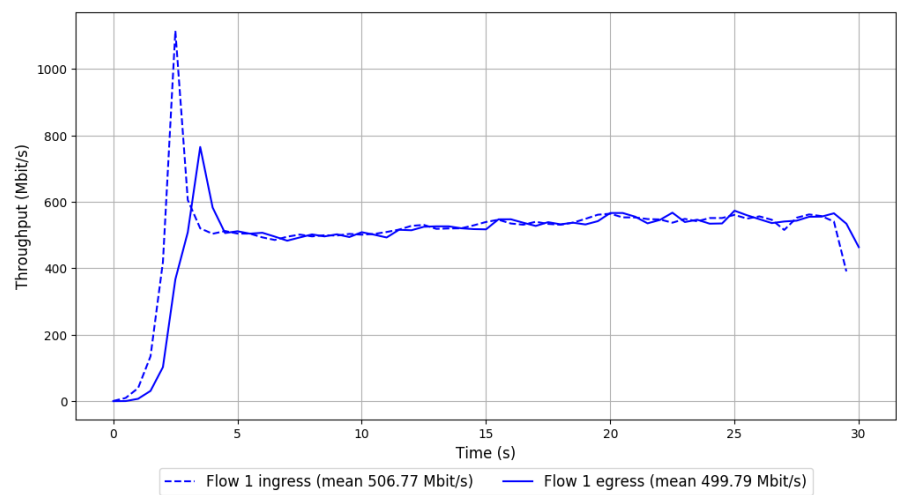


Run 9: Statistics of PCC-Allegro

Start at: 2018-05-22 00:25:01
End at: 2018-05-22 00:25:31
Local clock offset: 0.53 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-05-22 01:46:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 499.79 Mbit/s
95th percentile per-packet one-way delay: 116.718 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 499.79 Mbit/s
95th percentile per-packet one-way delay: 116.718 ms
Loss rate: 1.38%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-05-22 00:45:40

End at: 2018-05-22 00:46:10

Local clock offset: 0.366 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-05-22 01:47:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 494.31 Mbit/s

95th percentile per-packet one-way delay: 242.368 ms

Loss rate: 4.08%

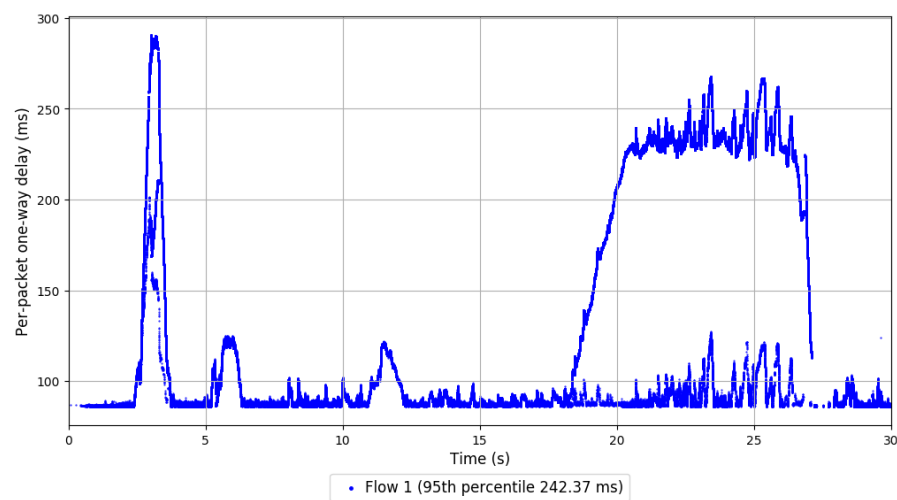
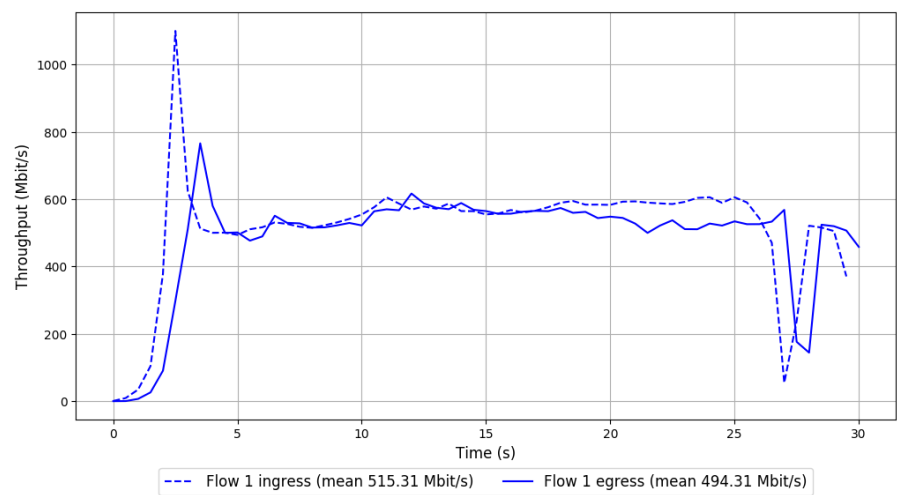
-- Flow 1:

Average throughput: 494.31 Mbit/s

95th percentile per-packet one-way delay: 242.368 ms

Loss rate: 4.08%

Run 10: Report of PCC-Allegro — Data Link

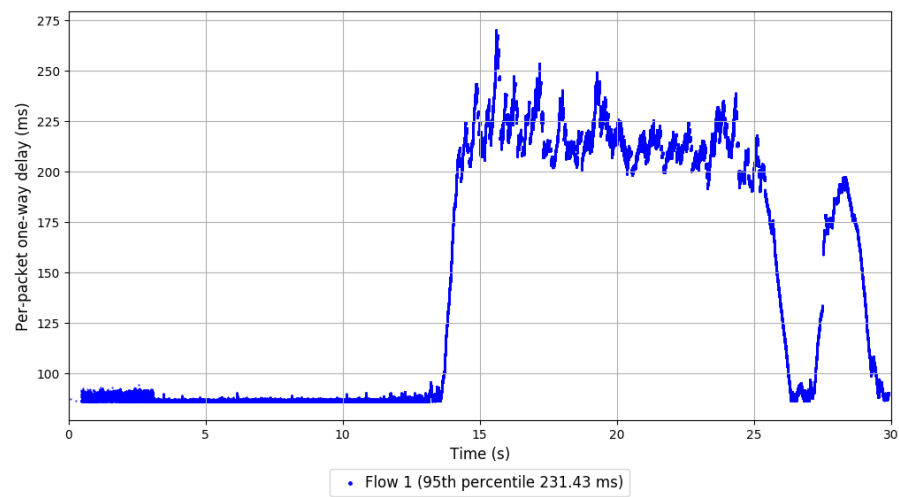
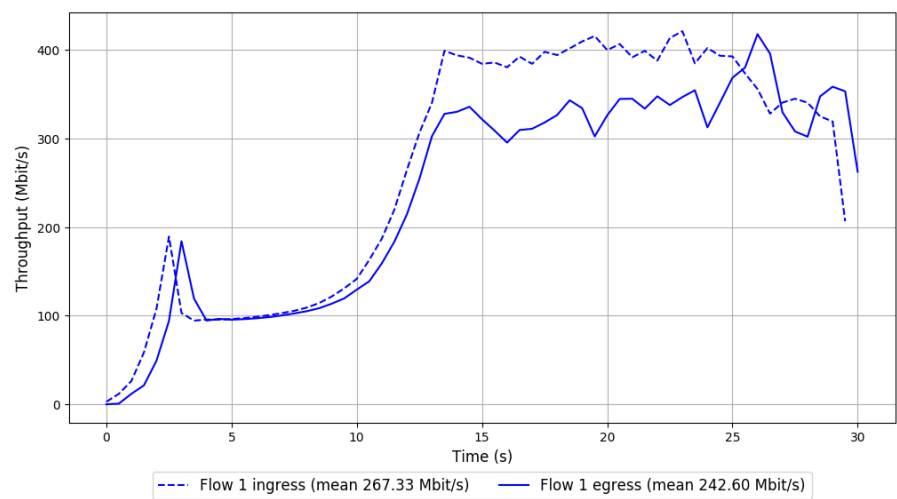


```
Run 1: Statistics of PCC-Expr

Start at: 2018-05-21 21:46:55
End at: 2018-05-21 21:47:25
Local clock offset: 14.818 ms
Remote clock offset: -0.025 ms

# Below is generated by plot.py at 2018-05-22 01:47:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 242.60 Mbit/s
95th percentile per-packet one-way delay: 231.430 ms
Loss rate: 9.25%
-- Flow 1:
Average throughput: 242.60 Mbit/s
95th percentile per-packet one-way delay: 231.430 ms
Loss rate: 9.25%
```

Run 1: Report of PCC-Expr — Data Link

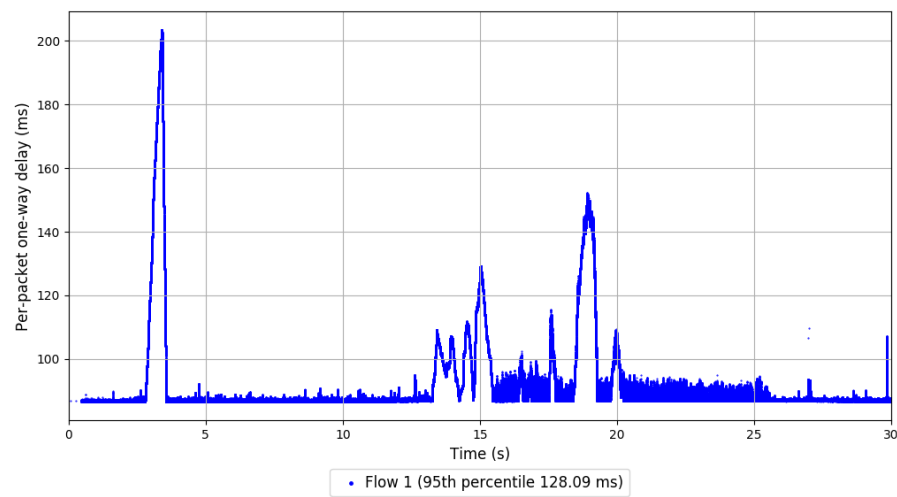
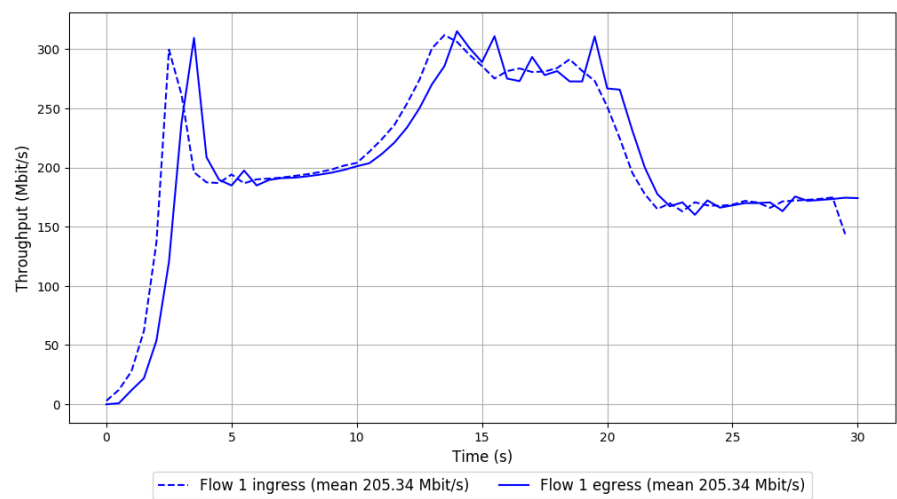


Run 2: Statistics of PCC-Expr

Start at: 2018-05-21 22:07:13
End at: 2018-05-21 22:07:43
Local clock offset: 27.225 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-05-22 01:47:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 205.34 Mbit/s
95th percentile per-packet one-way delay: 128.089 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 205.34 Mbit/s
95th percentile per-packet one-way delay: 128.089 ms
Loss rate: 0.00%

Run 2: Report of PCC-Expr — Data Link

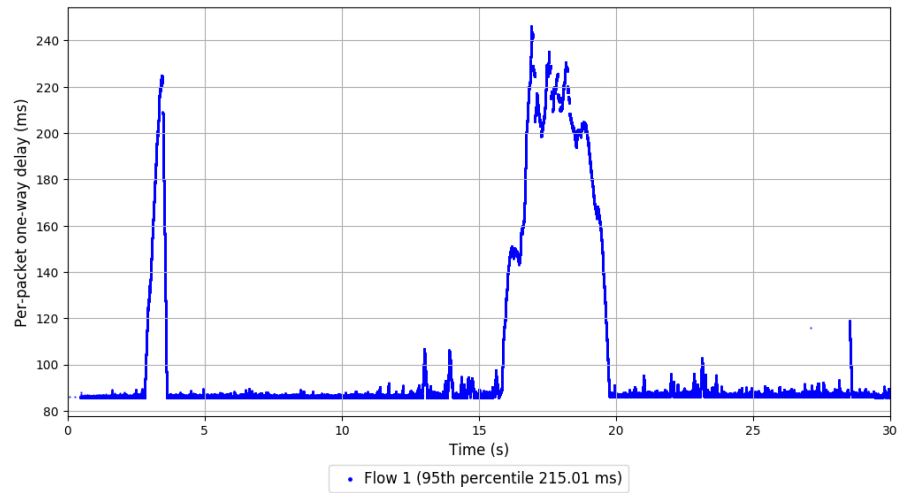
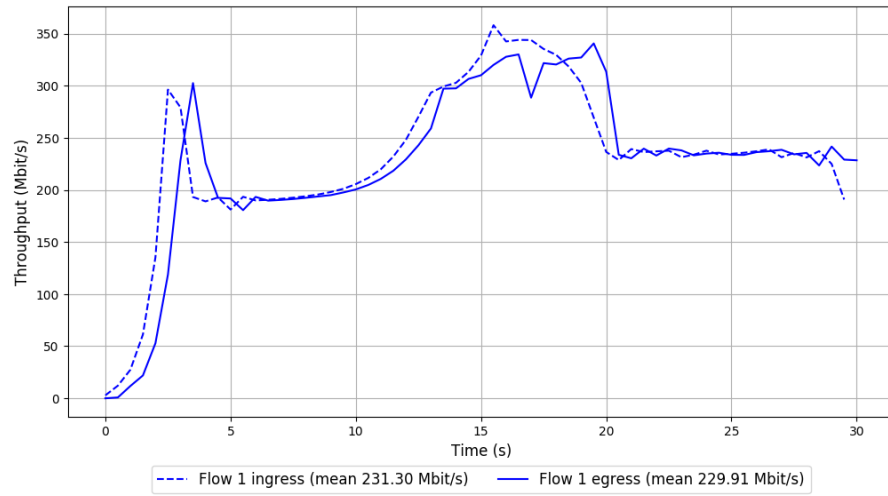


Run 3: Statistics of PCC-Expr

Start at: 2018-05-21 22:27:39
End at: 2018-05-21 22:28:09
Local clock offset: 10.856 ms
Remote clock offset: -0.107 ms

Below is generated by plot.py at 2018-05-22 01:47:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 229.91 Mbit/s
95th percentile per-packet one-way delay: 215.014 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 229.91 Mbit/s
95th percentile per-packet one-way delay: 215.014 ms
Loss rate: 0.60%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-05-21 22:48:04

End at: 2018-05-21 22:48:34

Local clock offset: 7.443 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-05-22 01:49:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 278.99 Mbit/s

95th percentile per-packet one-way delay: 225.043 ms

Loss rate: 2.88%

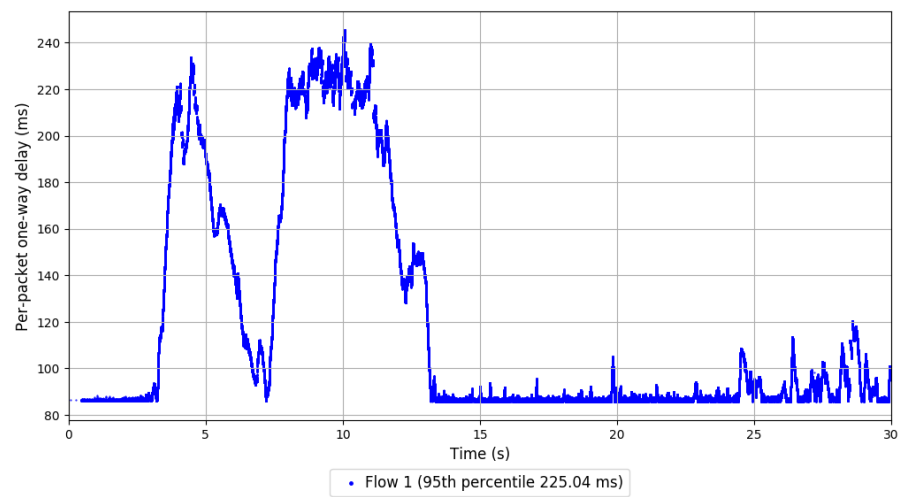
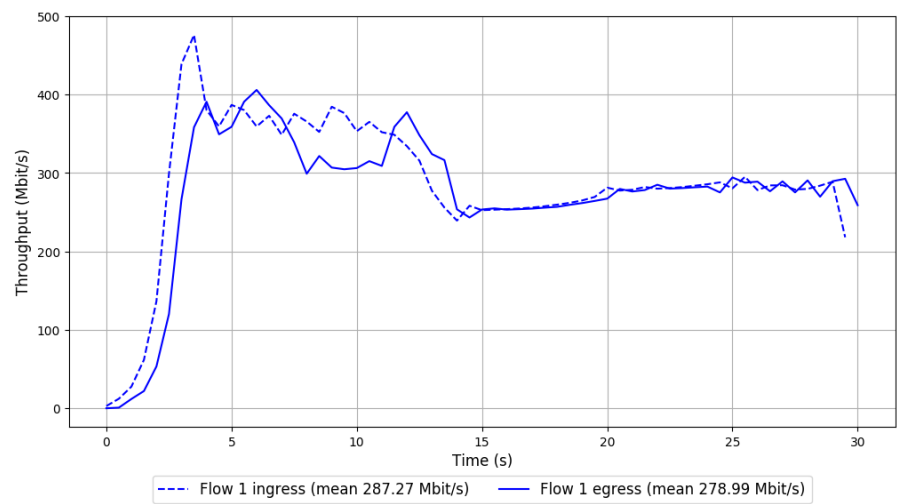
-- Flow 1:

Average throughput: 278.99 Mbit/s

95th percentile per-packet one-way delay: 225.043 ms

Loss rate: 2.88%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-05-21 23:08:38

End at: 2018-05-21 23:09:08

Local clock offset: 2.99 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-05-22 01:51:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.66 Mbit/s

95th percentile per-packet one-way delay: 130.912 ms

Loss rate: 0.00%

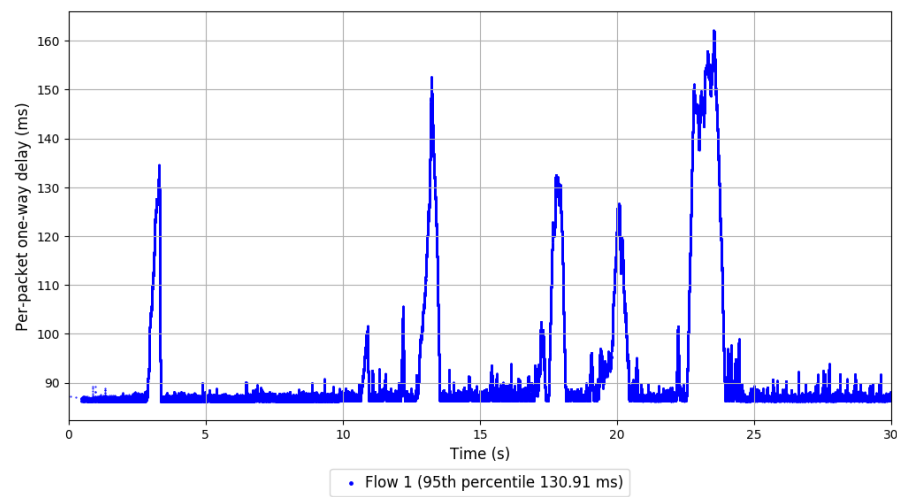
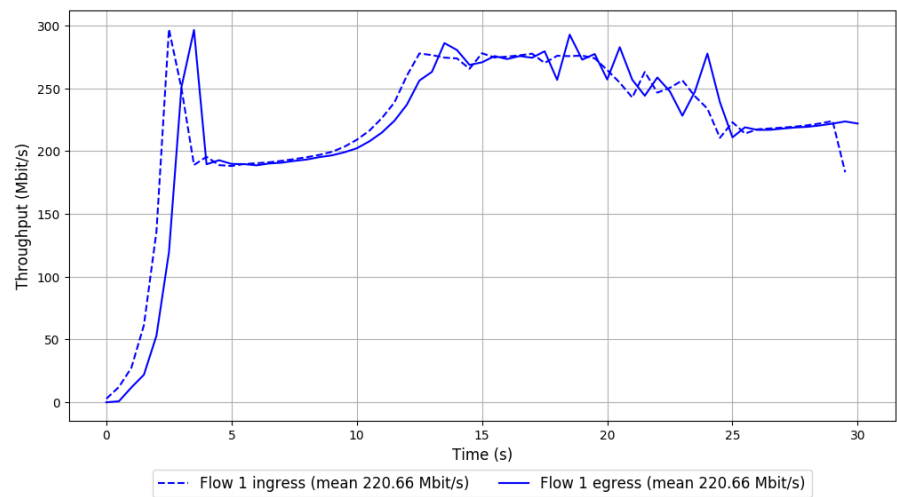
-- Flow 1:

Average throughput: 220.66 Mbit/s

95th percentile per-packet one-way delay: 130.912 ms

Loss rate: 0.00%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-05-21 23:29:17

End at: 2018-05-21 23:29:47

Local clock offset: 1.244 ms

Remote clock offset: 0.067 ms

Below is generated by plot.py at 2018-05-22 01:53:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 254.58 Mbit/s

95th percentile per-packet one-way delay: 134.981 ms

Loss rate: 1.30%

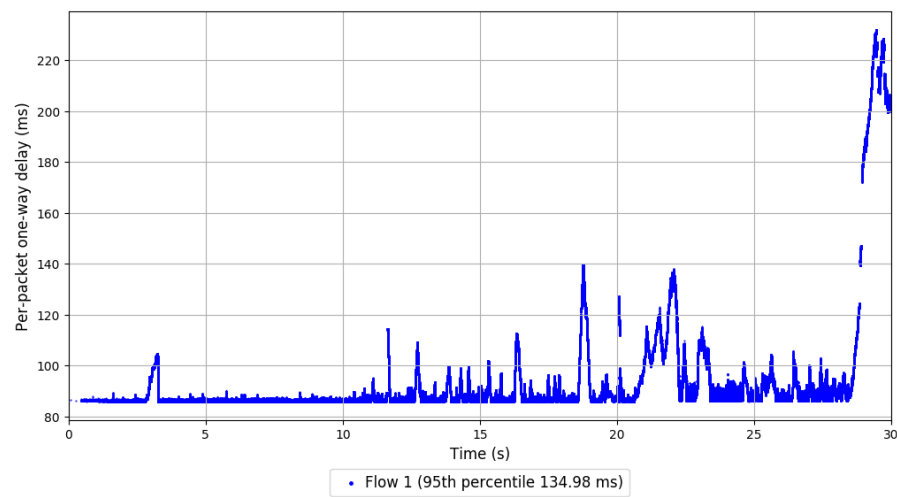
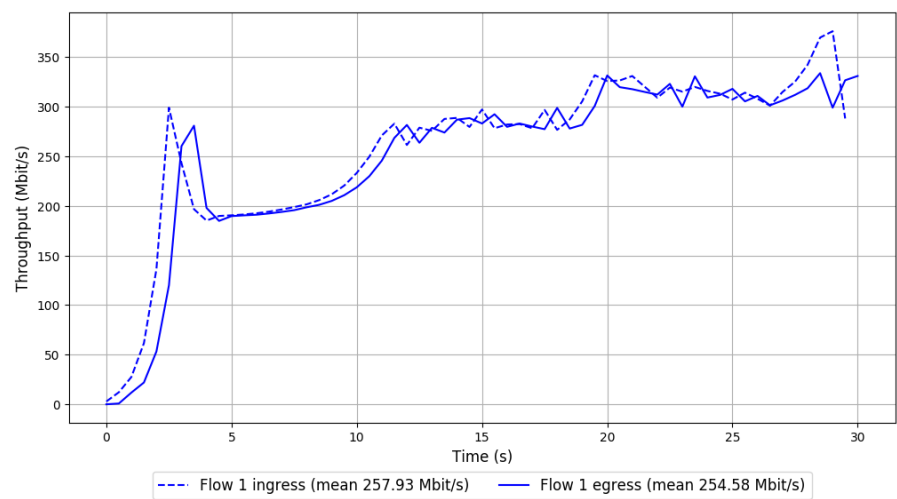
-- Flow 1:

Average throughput: 254.58 Mbit/s

95th percentile per-packet one-way delay: 134.981 ms

Loss rate: 1.30%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-05-21 23:49:59

End at: 2018-05-21 23:50:30

Local clock offset: 1.524 ms

Remote clock offset: 0.039 ms

Below is generated by plot.py at 2018-05-22 01:53:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.21 Mbit/s

95th percentile per-packet one-way delay: 140.602 ms

Loss rate: 0.00%

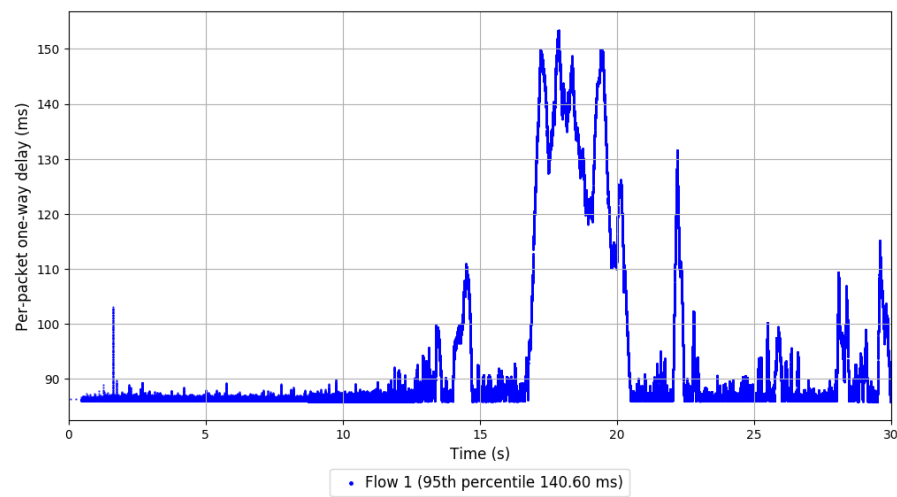
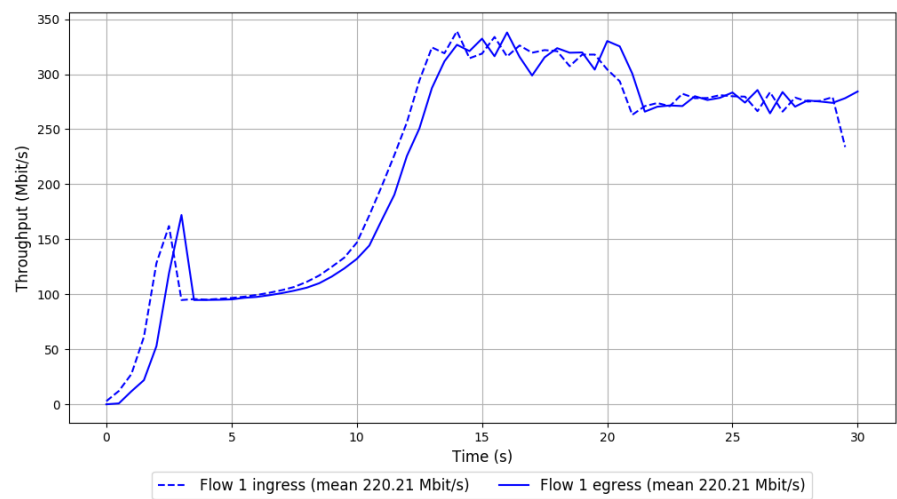
-- Flow 1:

Average throughput: 220.21 Mbit/s

95th percentile per-packet one-way delay: 140.602 ms

Loss rate: 0.00%

Run 7: Report of PCC-Expr — Data Link

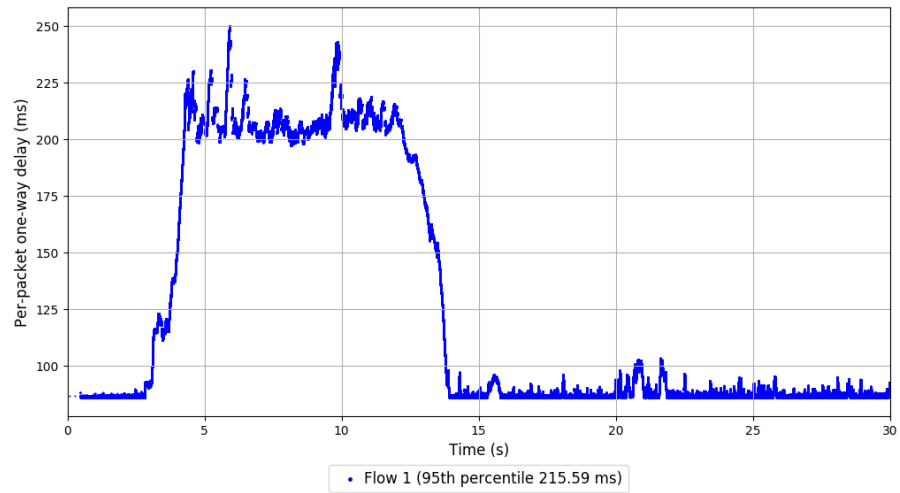
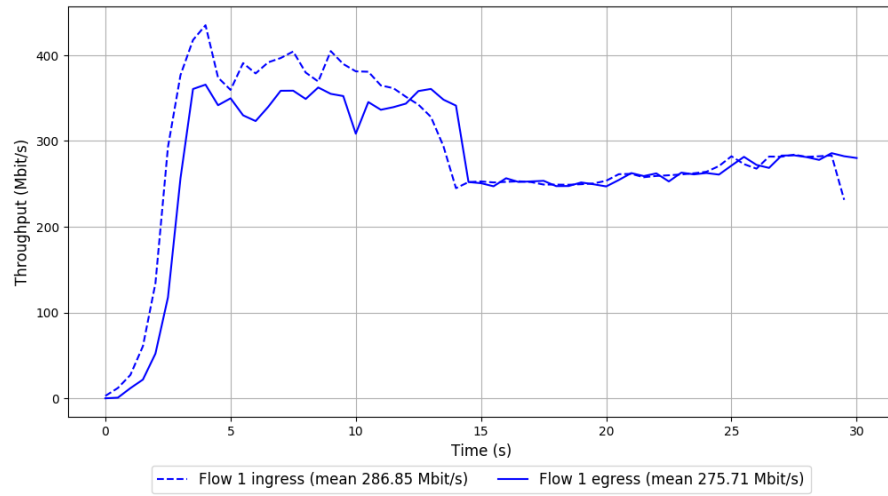


Run 8: Statistics of PCC-Expr

Start at: 2018-05-22 00:10:25
End at: 2018-05-22 00:10:55
Local clock offset: 0.566 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-05-22 01:55:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 275.71 Mbit/s
95th percentile per-packet one-way delay: 215.594 ms
Loss rate: 3.88%
-- Flow 1:
Average throughput: 275.71 Mbit/s
95th percentile per-packet one-way delay: 215.594 ms
Loss rate: 3.88%

Run 8: Report of PCC-Expr — Data Link

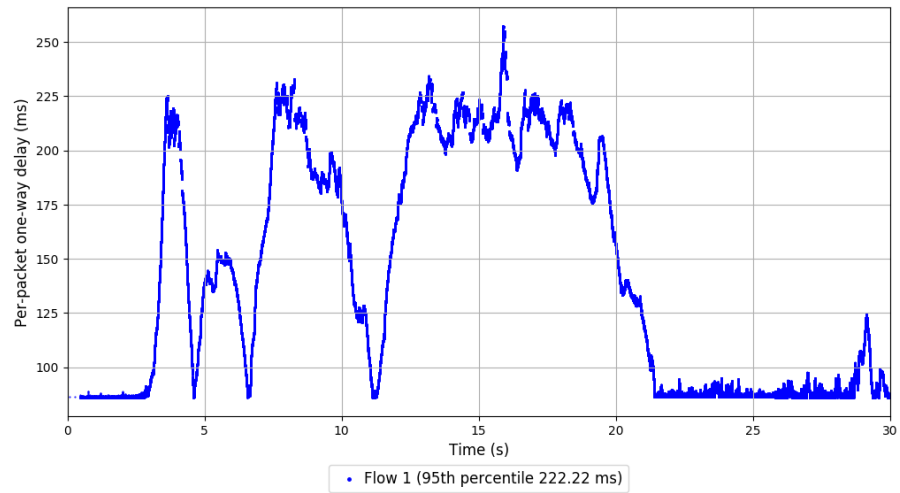
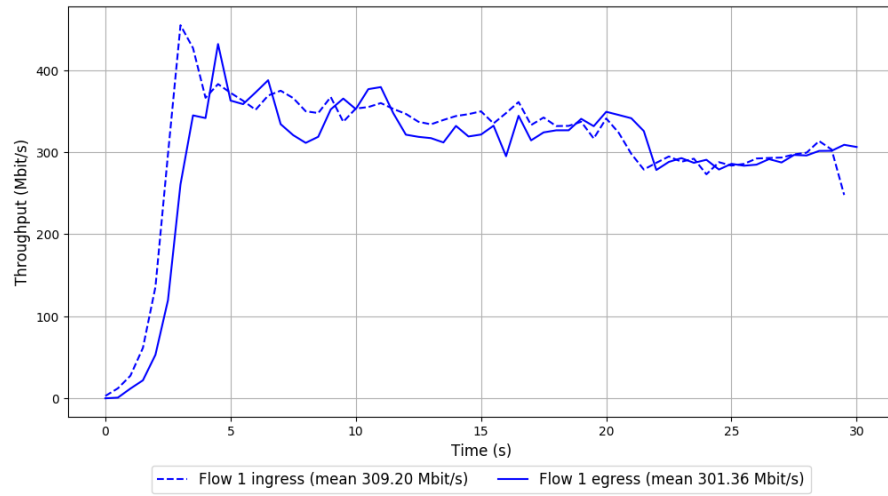


Run 9: Statistics of PCC-Expr

Start at: 2018-05-22 00:31:12
End at: 2018-05-22 00:31:43
Local clock offset: 0.402 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-05-22 01:56:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 301.36 Mbit/s
95th percentile per-packet one-way delay: 222.215 ms
Loss rate: 2.54%
-- Flow 1:
Average throughput: 301.36 Mbit/s
95th percentile per-packet one-way delay: 222.215 ms
Loss rate: 2.54%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-05-22 00:51:51

End at: 2018-05-22 00:52:21

Local clock offset: 0.168 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-05-22 01:56:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 252.56 Mbit/s

95th percentile per-packet one-way delay: 115.073 ms

Loss rate: 0.02%

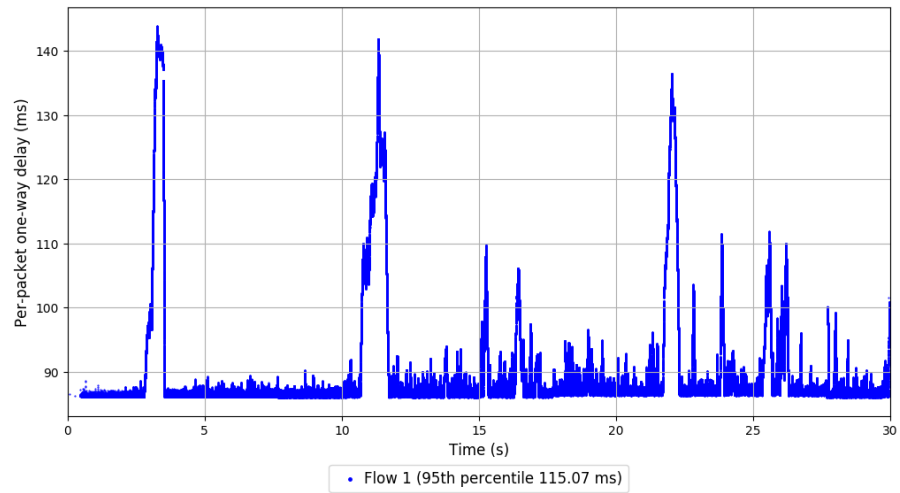
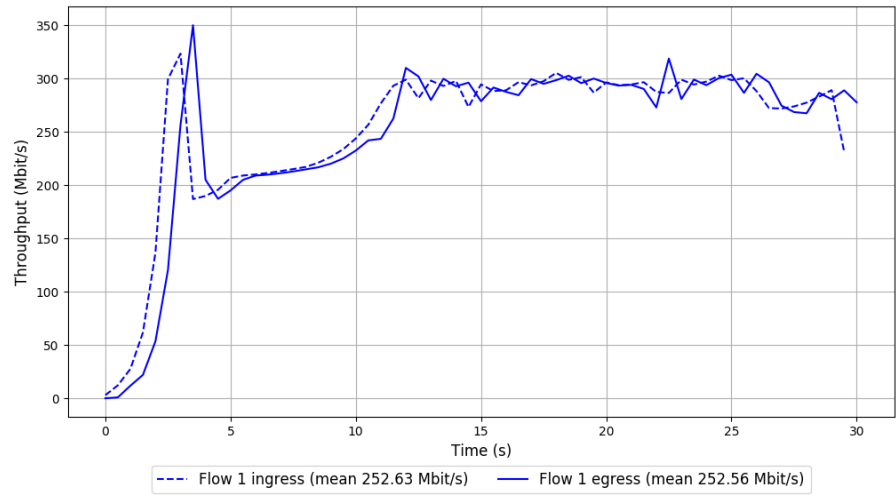
-- Flow 1:

Average throughput: 252.56 Mbit/s

95th percentile per-packet one-way delay: 115.073 ms

Loss rate: 0.02%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

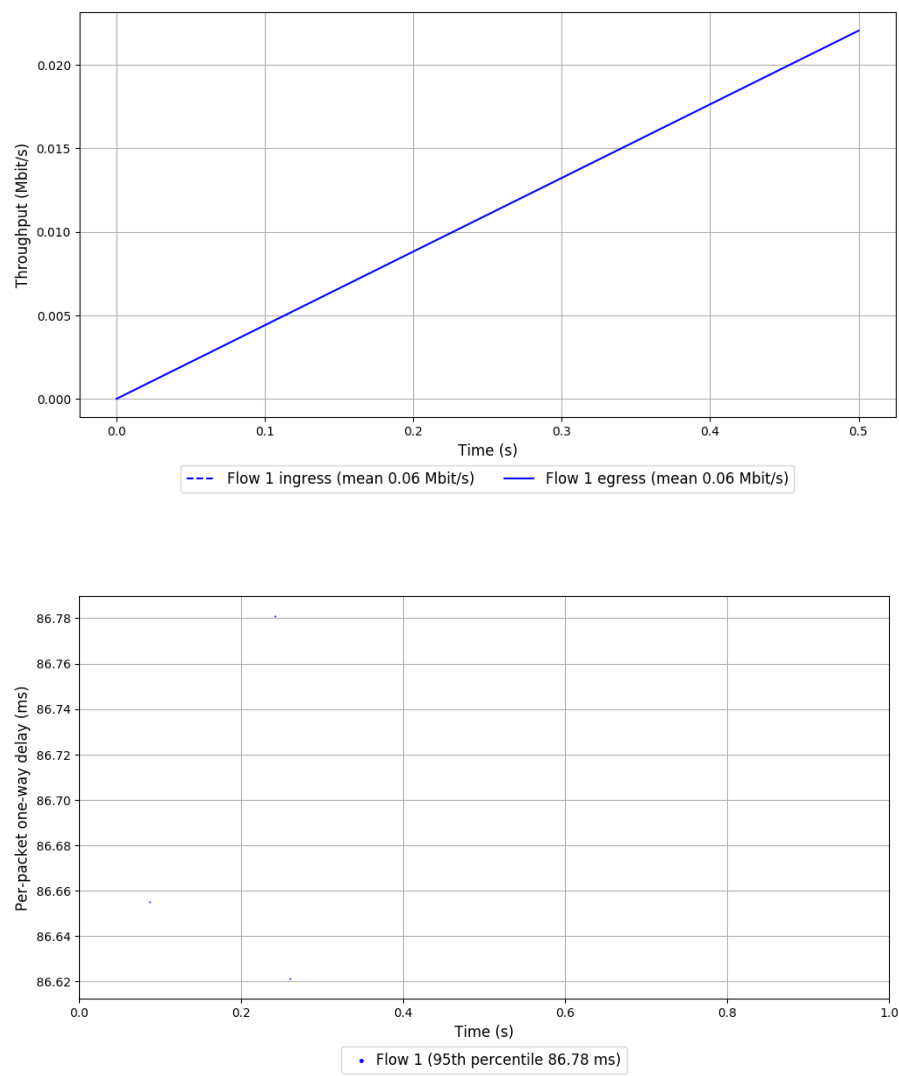
Start at: 2018-05-21 21:49:48

End at: 2018-05-21 21:50:18

Local clock offset: 15.611 ms

Remote clock offset: -0.076 ms

Run 1: Report of QUIC Cubic — Data Link

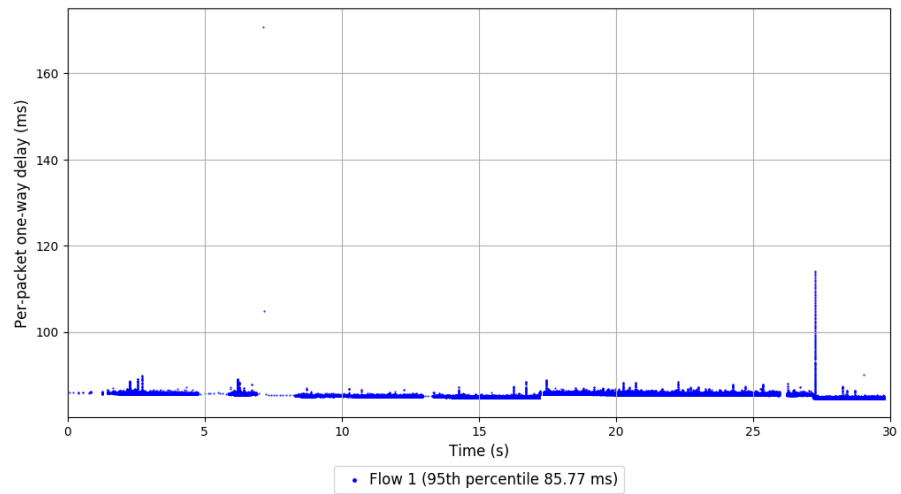
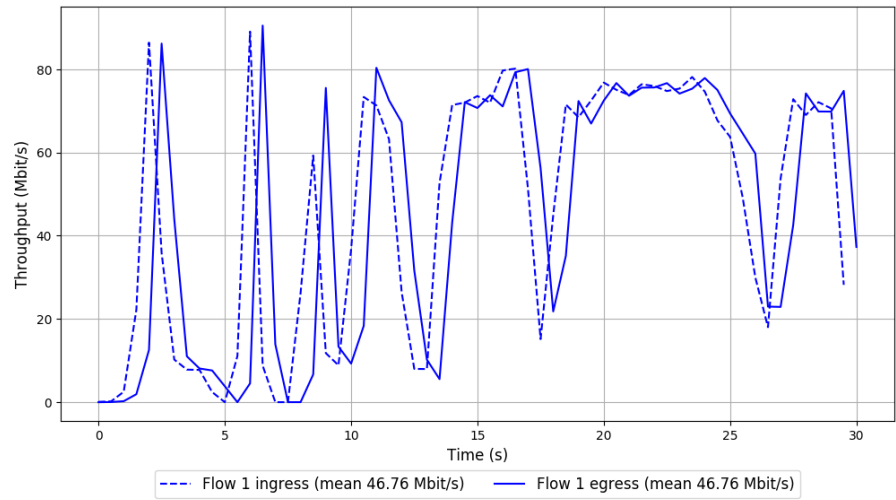


Run 2: Statistics of QUIC Cubic

Start at: 2018-05-21 22:10:01
End at: 2018-05-21 22:10:31
Local clock offset: 22.78 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-05-22 01:56:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 46.76 Mbit/s
95th percentile per-packet one-way delay: 85.772 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.76 Mbit/s
95th percentile per-packet one-way delay: 85.772 ms
Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link

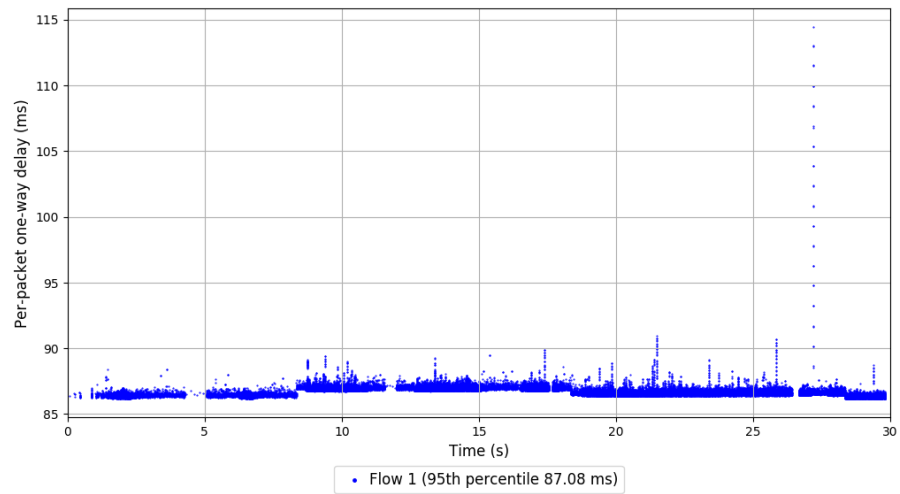
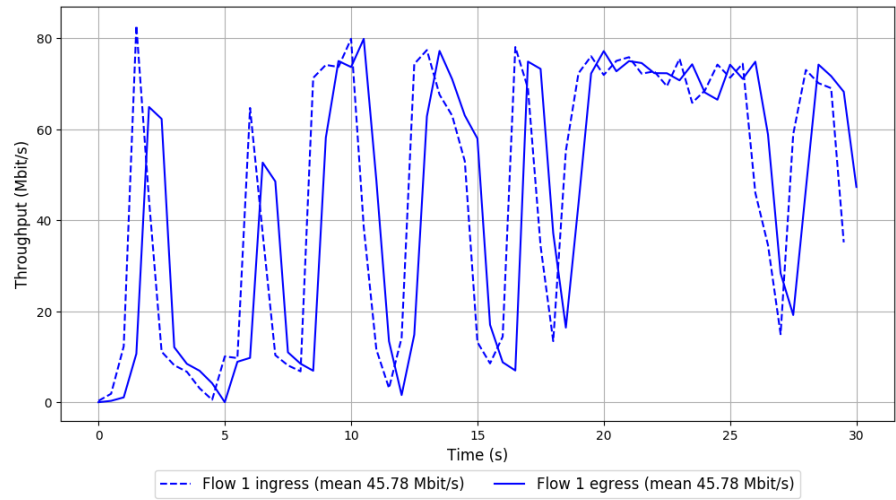


Run 3: Statistics of QUIC Cubic

Start at: 2018-05-21 22:30:30
End at: 2018-05-21 22:31:00
Local clock offset: 10.99 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-05-22 01:56:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 45.78 Mbit/s
95th percentile per-packet one-way delay: 87.079 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 45.78 Mbit/s
95th percentile per-packet one-way delay: 87.079 ms
Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link

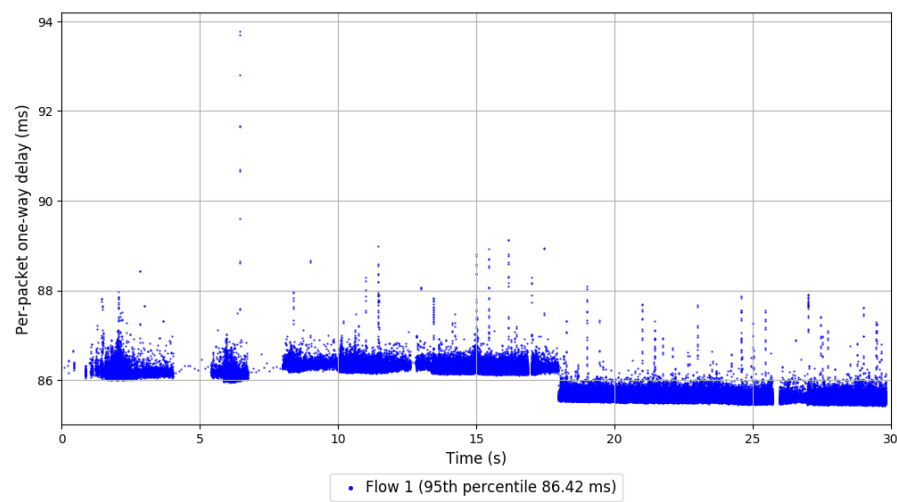
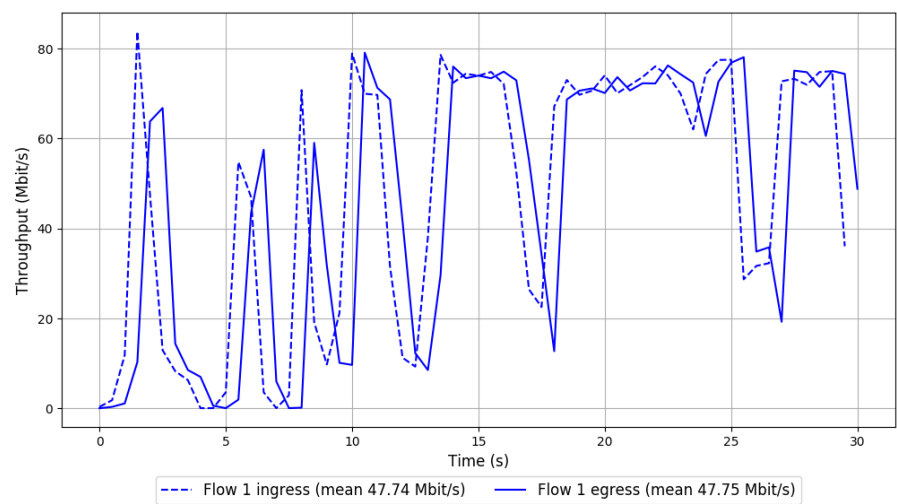


Run 4: Statistics of QUIC Cubic

Start at: 2018-05-21 22:51:00
End at: 2018-05-21 22:51:30
Local clock offset: 5.855 ms
Remote clock offset: -0.112 ms

Below is generated by plot.py at 2018-05-22 01:56:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 47.75 Mbit/s
95th percentile per-packet one-way delay: 86.416 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 47.75 Mbit/s
95th percentile per-packet one-way delay: 86.416 ms
Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-05-21 23:11:29

End at: 2018-05-21 23:11:59

Local clock offset: 3.307 ms

Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-05-22 01:56:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.94 Mbit/s

95th percentile per-packet one-way delay: 86.662 ms

Loss rate: 0.00%

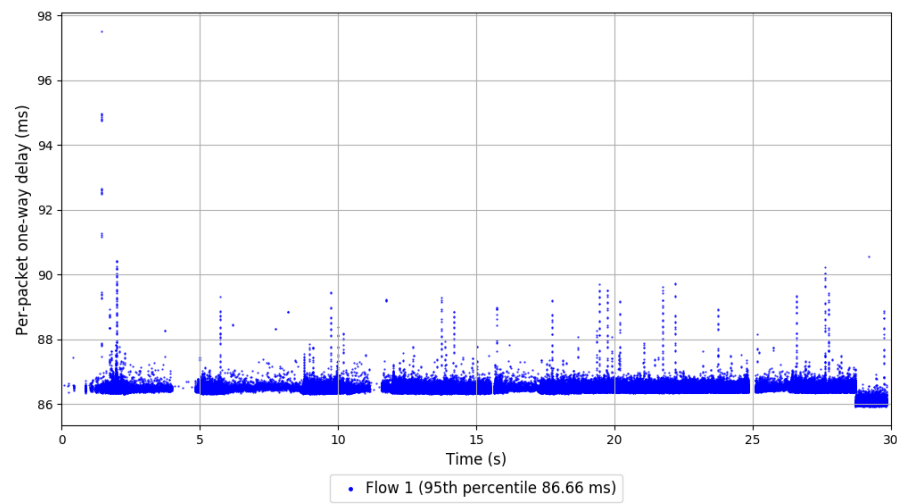
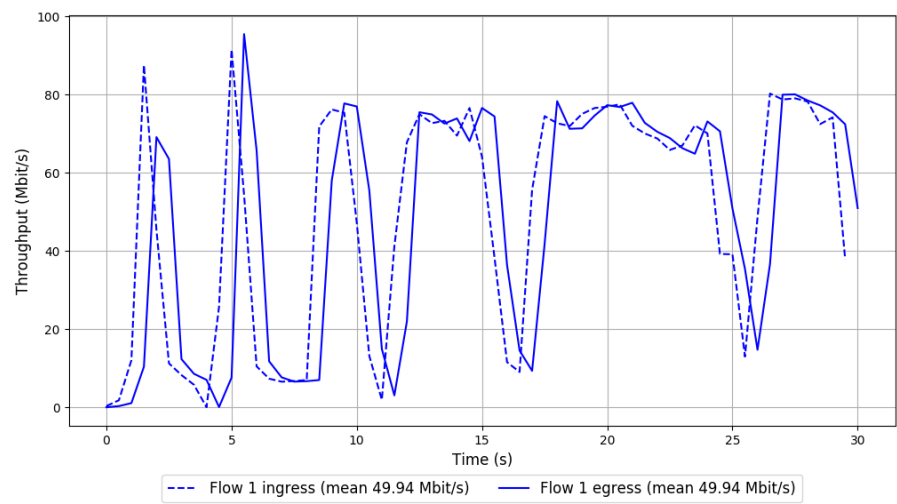
-- Flow 1:

Average throughput: 49.94 Mbit/s

95th percentile per-packet one-way delay: 86.662 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-05-21 23:32:10

End at: 2018-05-21 23:32:40

Local clock offset: 0.783 ms

Remote clock offset: 0.036 ms

Below is generated by plot.py at 2018-05-22 01:56:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.23 Mbit/s

95th percentile per-packet one-way delay: 87.377 ms

Loss rate: 0.00%

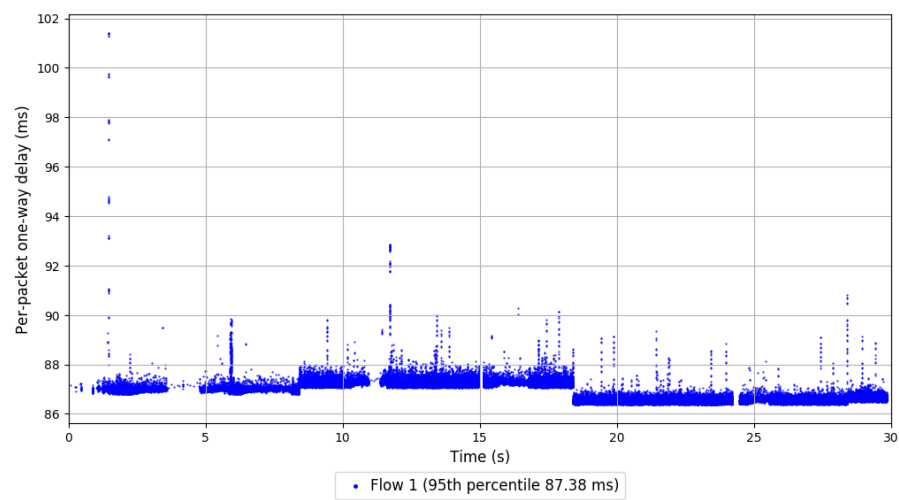
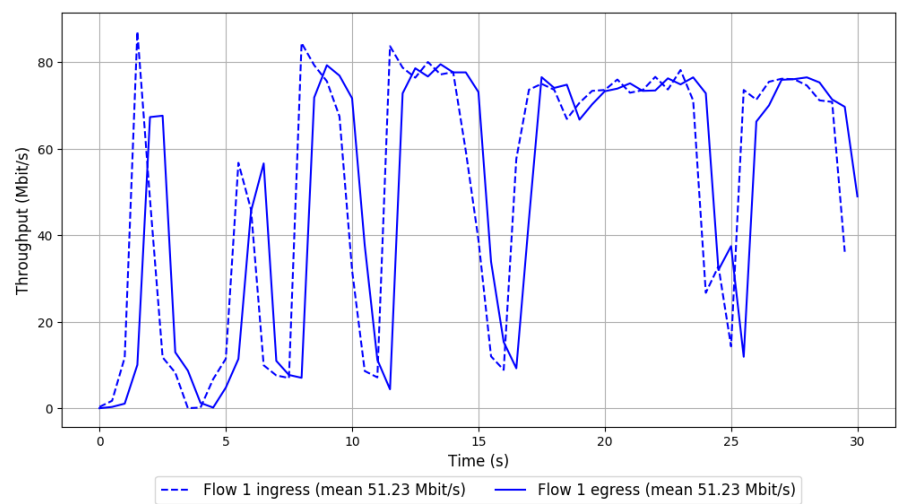
-- Flow 1:

Average throughput: 51.23 Mbit/s

95th percentile per-packet one-way delay: 87.377 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-05-21 23:52:49

End at: 2018-05-21 23:53:19

Local clock offset: 1.182 ms

Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-05-22 01:56:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.00 Mbit/s

95th percentile per-packet one-way delay: 86.291 ms

Loss rate: 0.00%

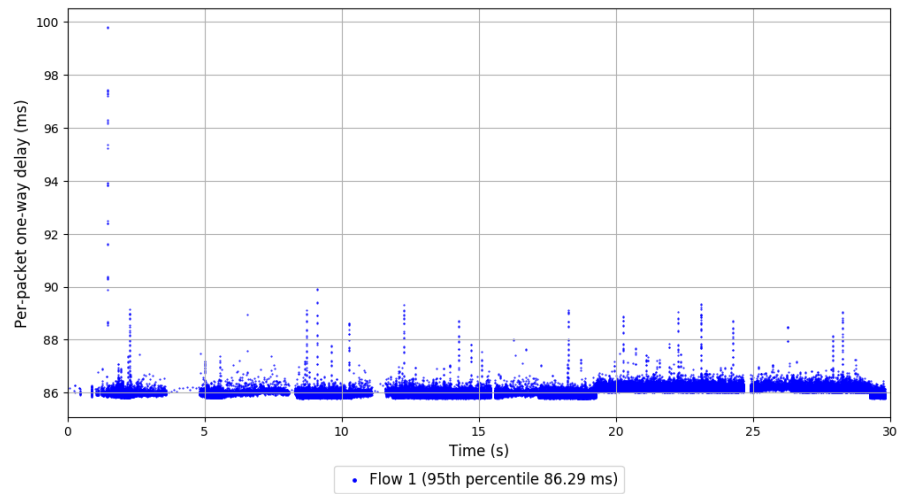
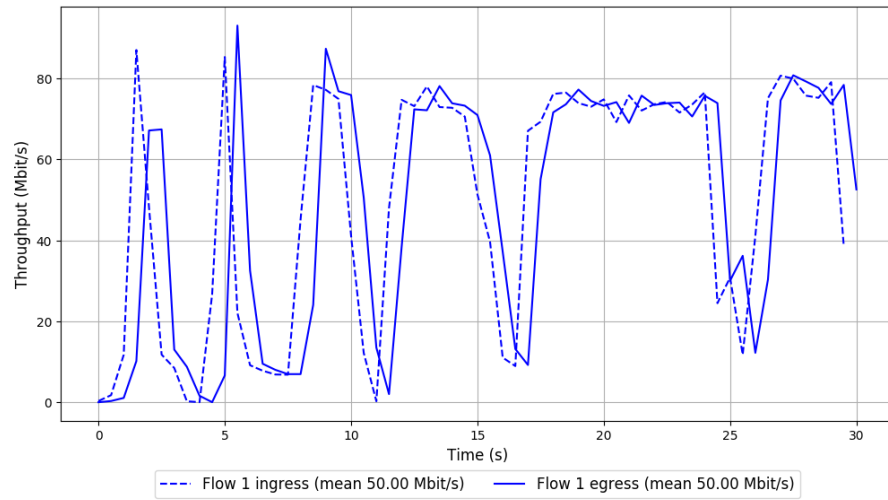
-- Flow 1:

Average throughput: 50.00 Mbit/s

95th percentile per-packet one-way delay: 86.291 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-05-22 00:13:20

End at: 2018-05-22 00:13:50

Local clock offset: 0.692 ms

Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-05-22 01:56:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.16 Mbit/s

95th percentile per-packet one-way delay: 86.697 ms

Loss rate: 0.00%

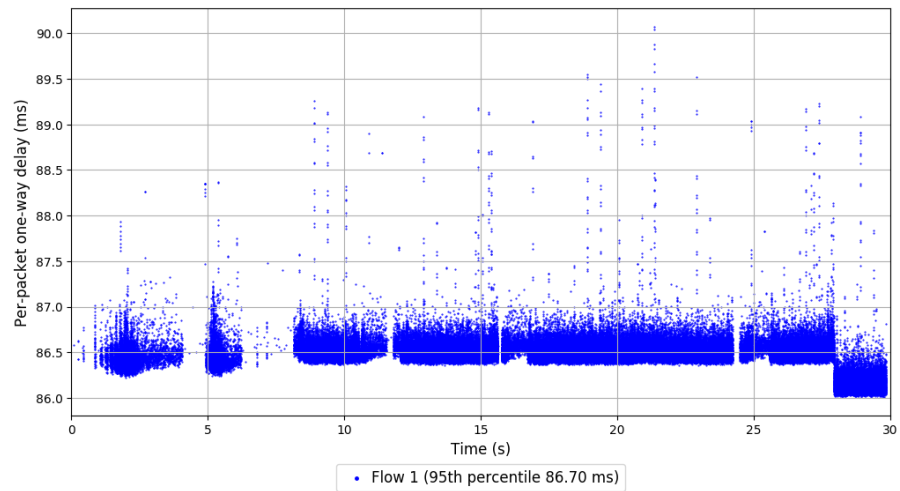
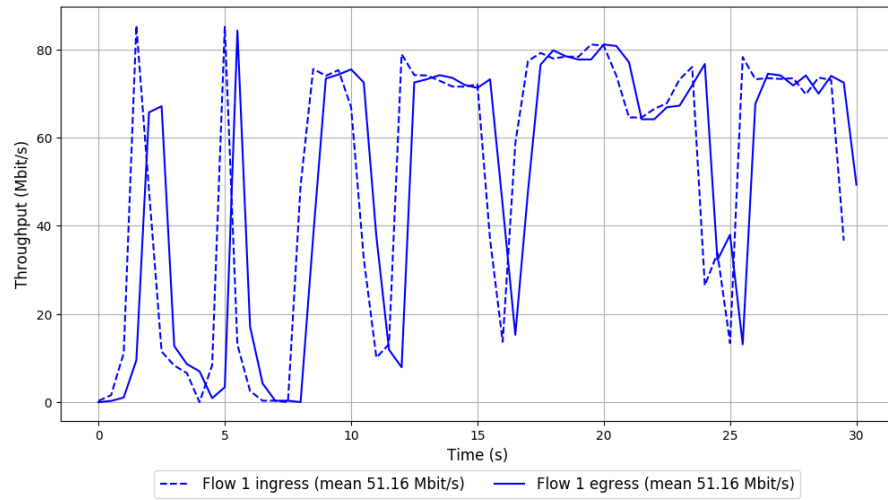
-- Flow 1:

Average throughput: 51.16 Mbit/s

95th percentile per-packet one-way delay: 86.697 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link

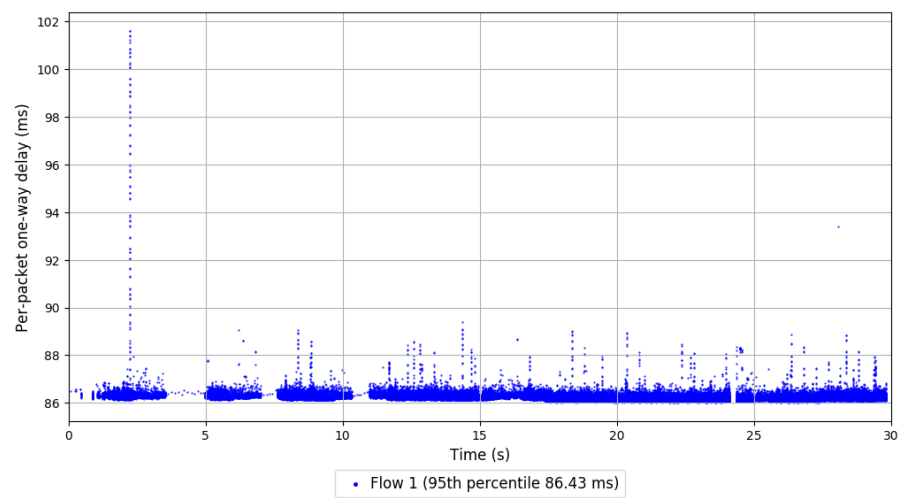
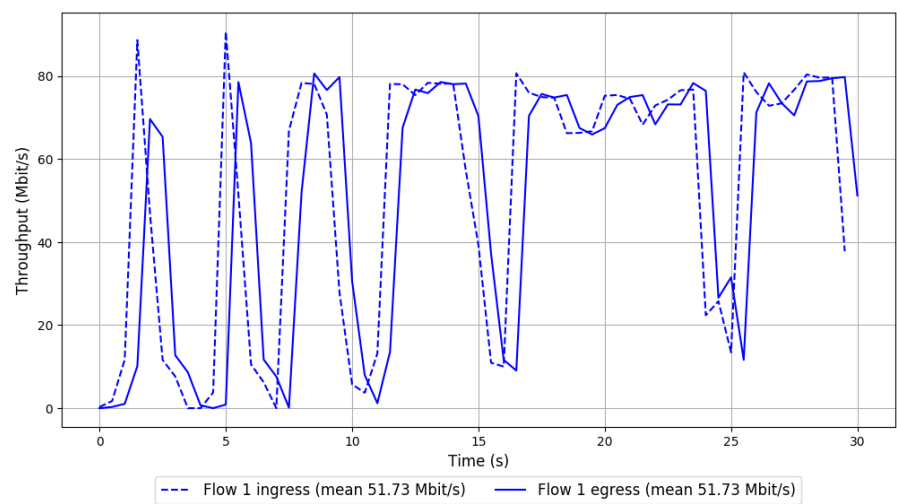


Run 9: Statistics of QUIC Cubic

Start at: 2018-05-22 00:34:11
End at: 2018-05-22 00:34:41
Local clock offset: 0.138 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-05-22 01:56:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 51.73 Mbit/s
95th percentile per-packet one-way delay: 86.434 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 51.73 Mbit/s
95th percentile per-packet one-way delay: 86.434 ms
Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-05-22 00:54:43

End at: 2018-05-22 00:55:13

Local clock offset: 0.085 ms

Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-05-22 01:56:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.30 Mbit/s

95th percentile per-packet one-way delay: 86.530 ms

Loss rate: 0.00%

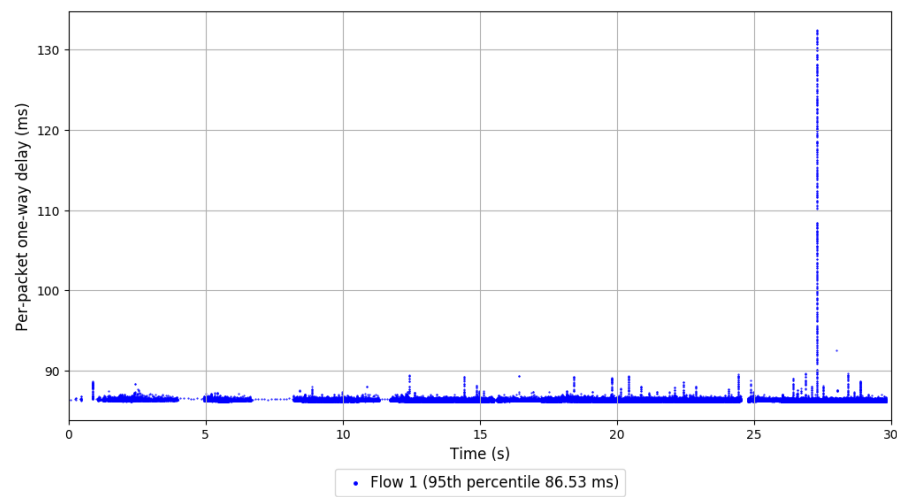
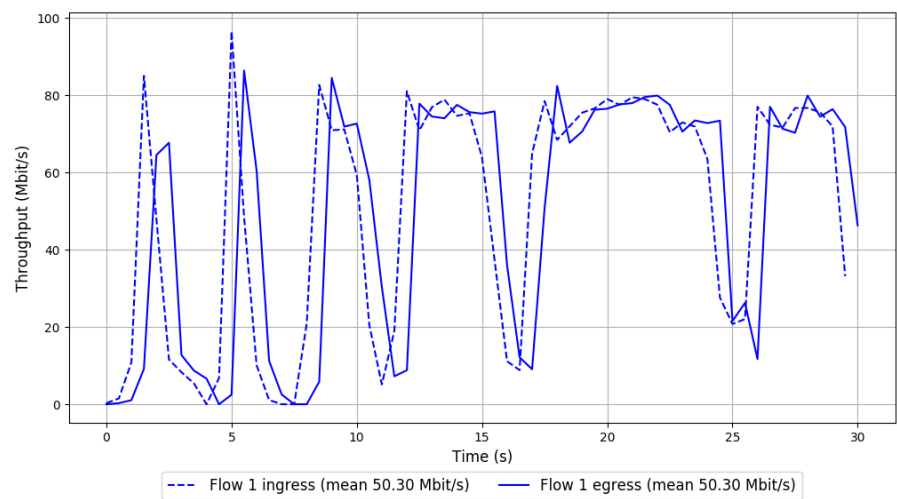
-- Flow 1:

Average throughput: 50.30 Mbit/s

95th percentile per-packet one-way delay: 86.530 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

Start at: 2018-05-21 21:35:39

End at: 2018-05-21 21:36:09

Local clock offset: 16.984 ms

Remote clock offset: 0.076 ms

Below is generated by plot.py at 2018-05-22 01:56:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 85.997 ms

Loss rate: 0.00%

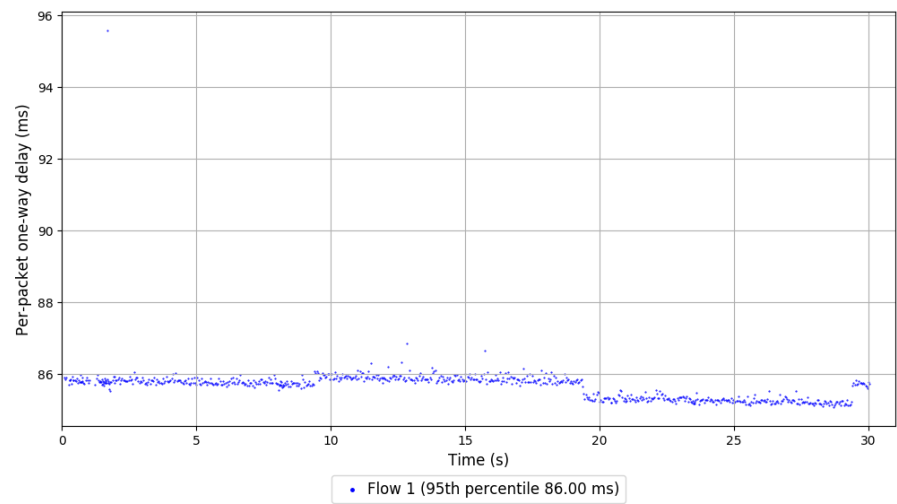
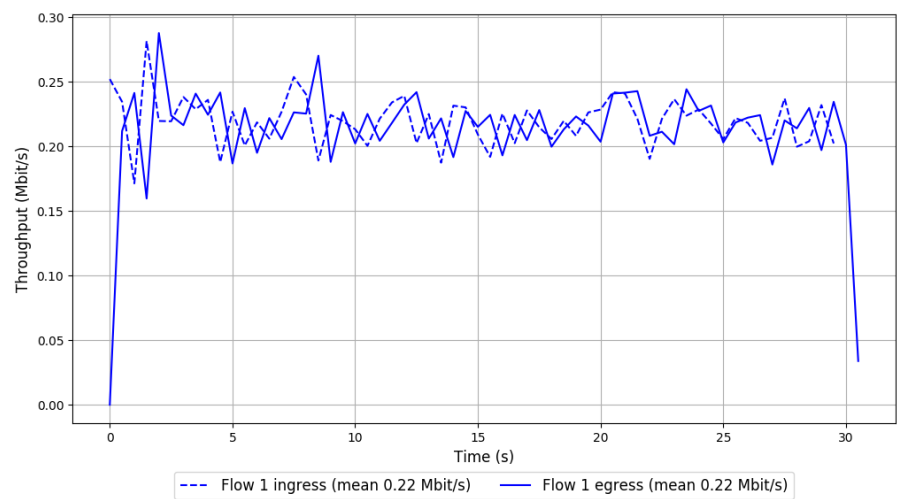
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 85.997 ms

Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

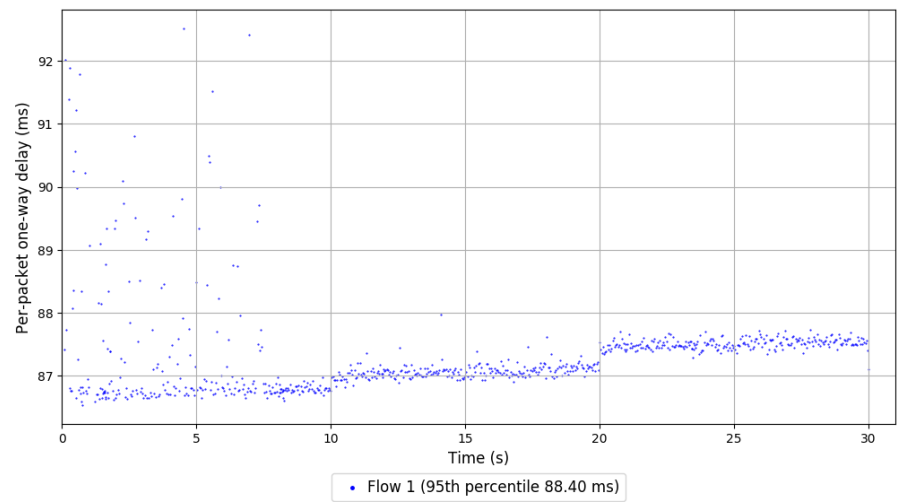
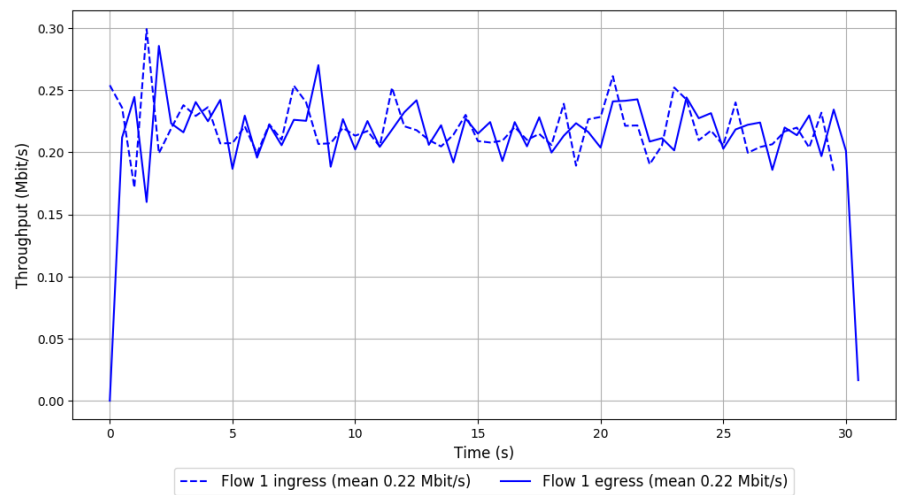


Run 2: Statistics of SCReAM

Start at: 2018-05-21 21:56:08
End at: 2018-05-21 21:56:38
Local clock offset: 19.265 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-05-22 01:56:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 88.398 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 88.398 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

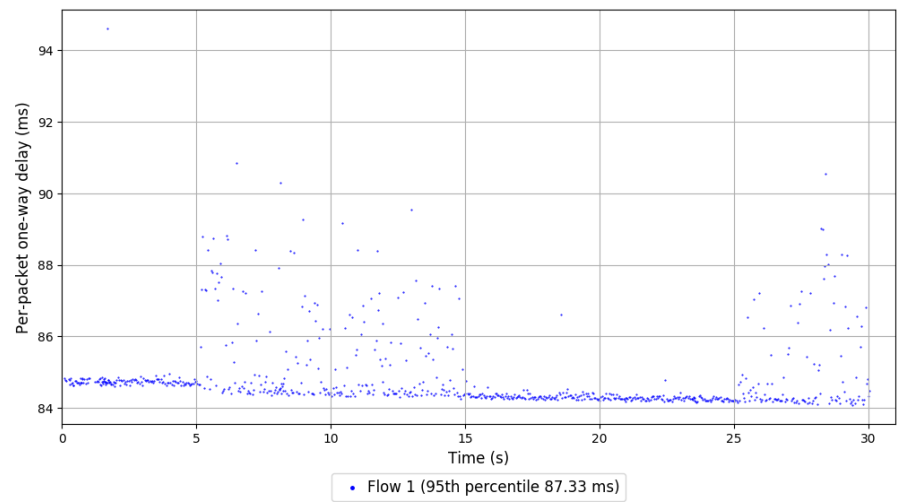
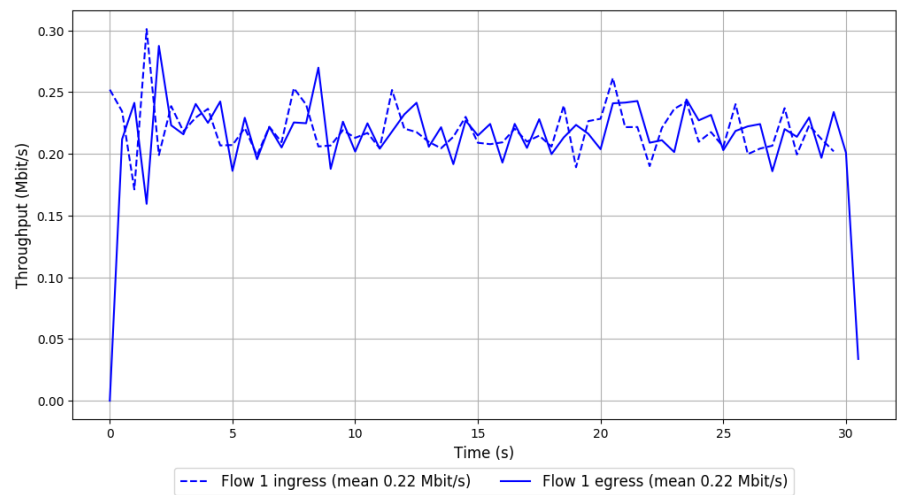


Run 3: Statistics of SCReAM

Start at: 2018-05-21 22:16:23
End at: 2018-05-21 22:16:53
Local clock offset: 13.911 ms
Remote clock offset: -1.287 ms

Below is generated by plot.py at 2018-05-22 01:56:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.326 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.326 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

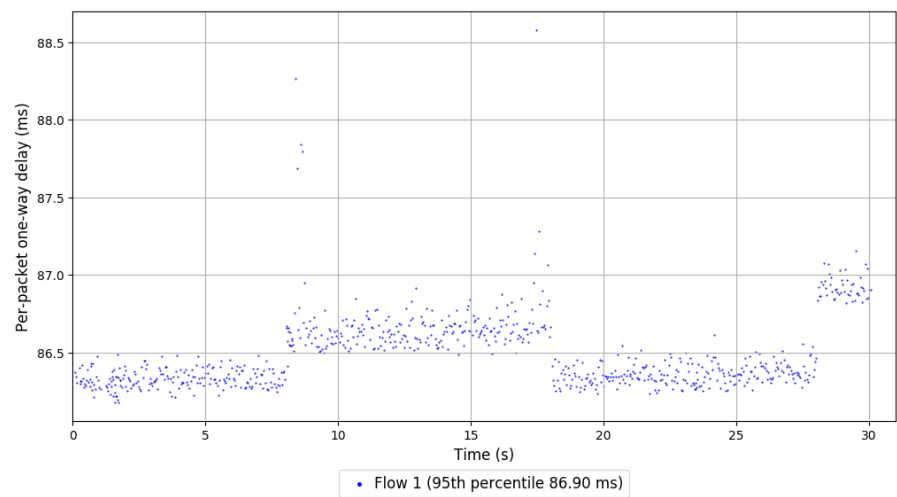
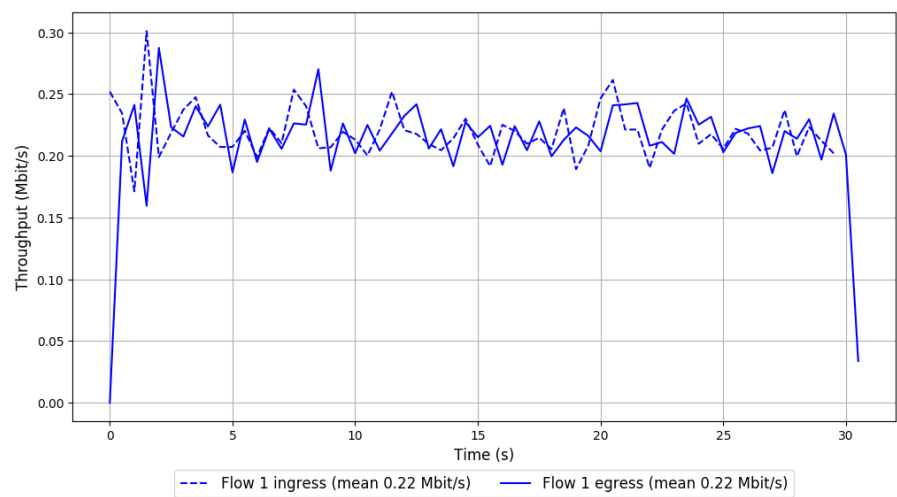


Run 4: Statistics of SCReAM

Start at: 2018-05-21 22:36:50
End at: 2018-05-21 22:37:20
Local clock offset: 12.484 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2018-05-22 01:56:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.900 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.900 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

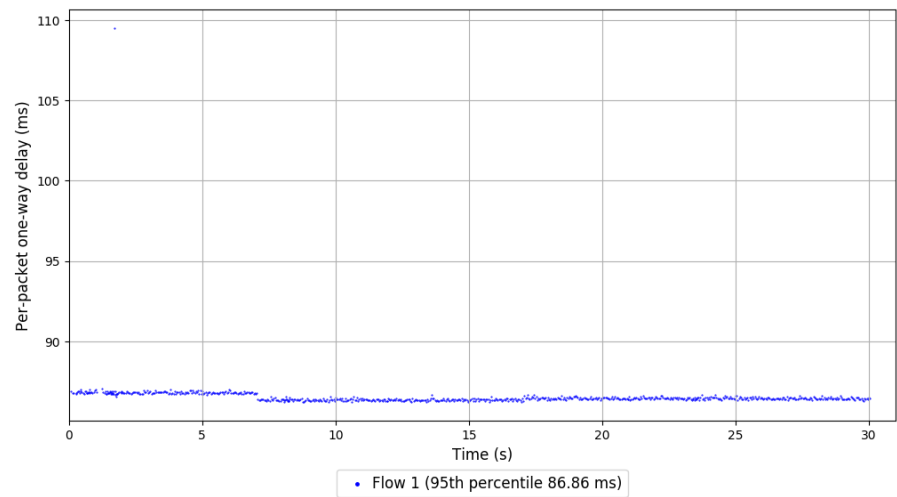
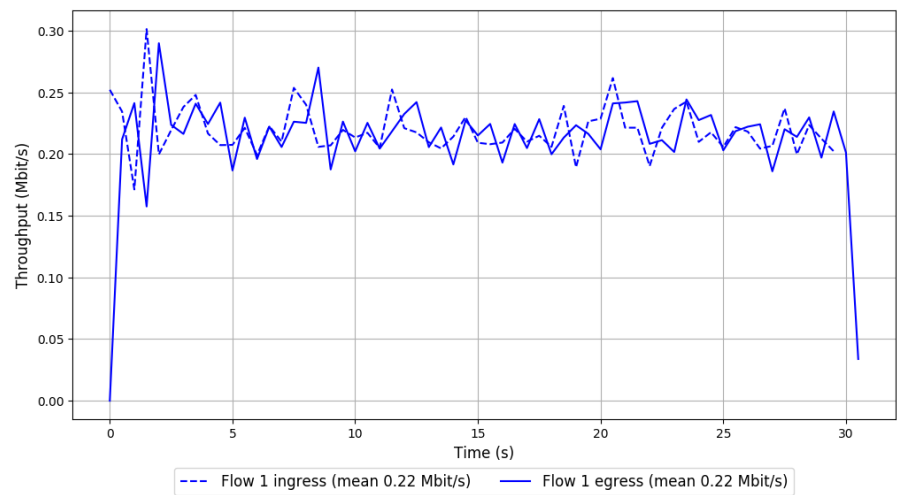


Run 5: Statistics of SCReAM

Start at: 2018-05-21 22:57:21
End at: 2018-05-21 22:57:51
Local clock offset: 3.762 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-05-22 01:56:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.856 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.856 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

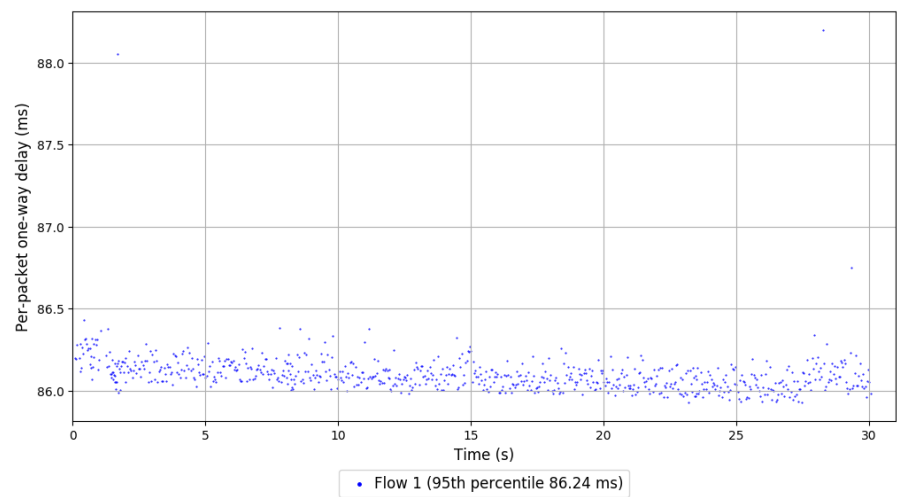
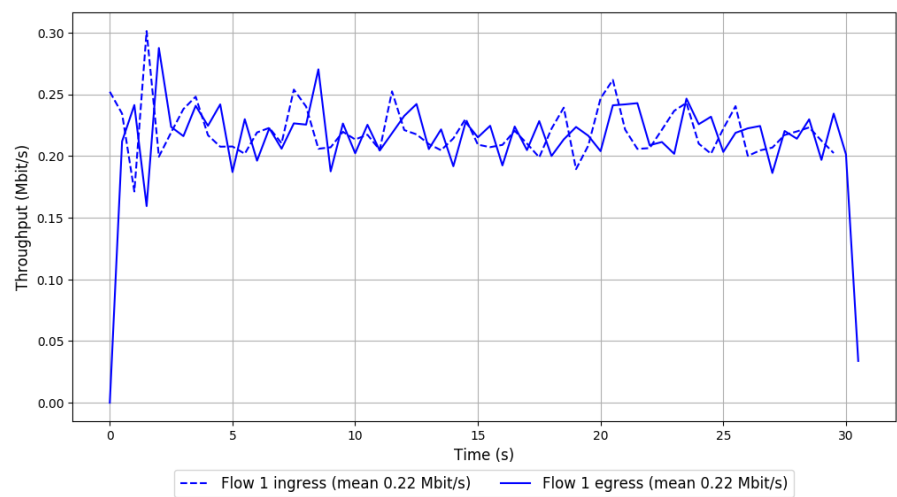


Run 6: Statistics of SCReAM

Start at: 2018-05-21 23:18:01
End at: 2018-05-21 23:18:31
Local clock offset: 2.808 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-05-22 01:56:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.244 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.244 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-05-21 23:38:35

End at: 2018-05-21 23:39:05

Local clock offset: 0.736 ms

Remote clock offset: 0.086 ms

Below is generated by plot.py at 2018-05-22 01:56:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.344 ms

Loss rate: 0.00%

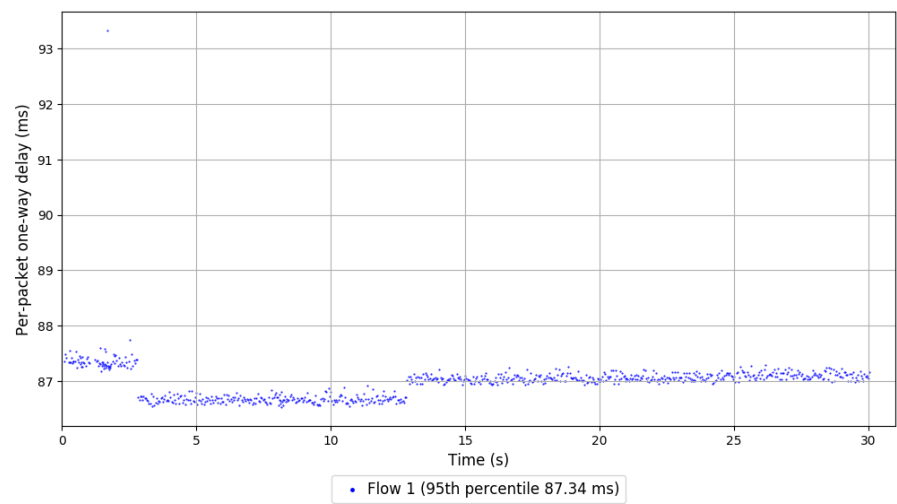
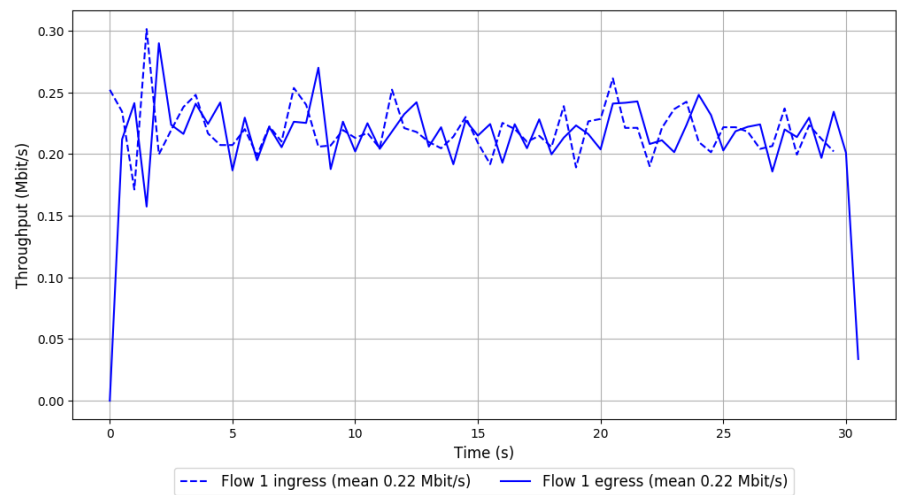
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.344 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-05-21 23:59:16

End at: 2018-05-21 23:59:46

Local clock offset: 0.673 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-05-22 01:56:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.111 ms

Loss rate: 0.00%

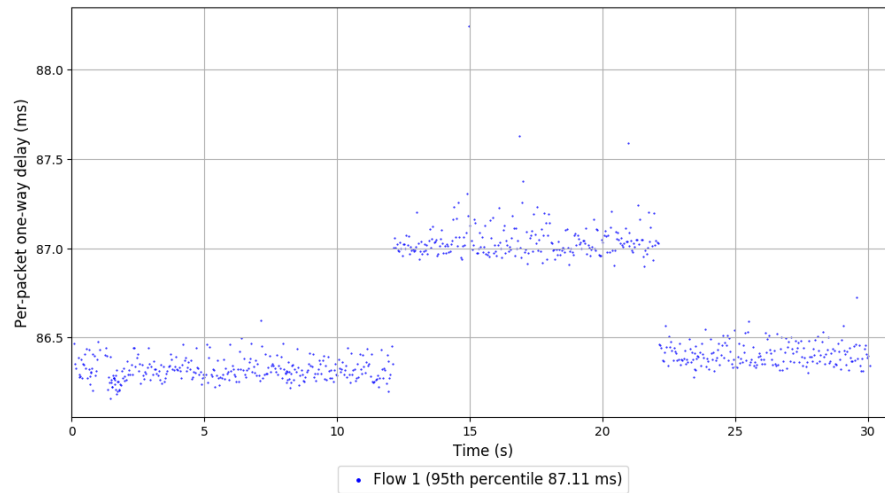
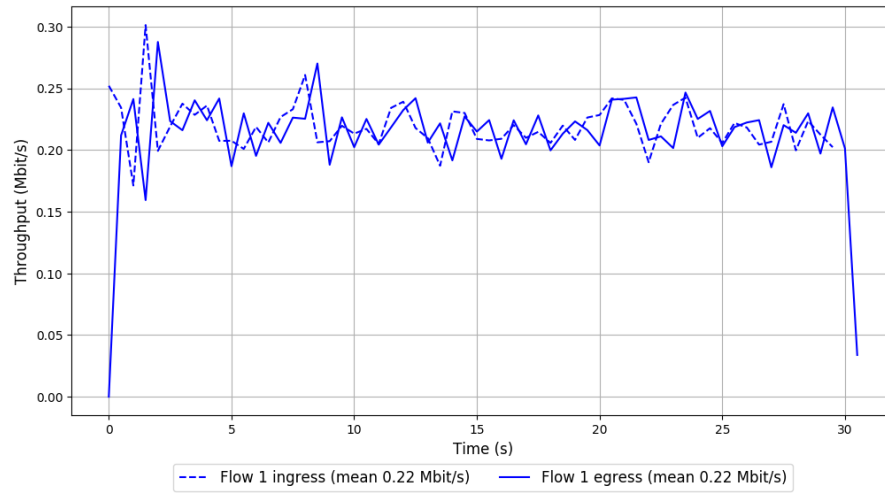
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.111 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

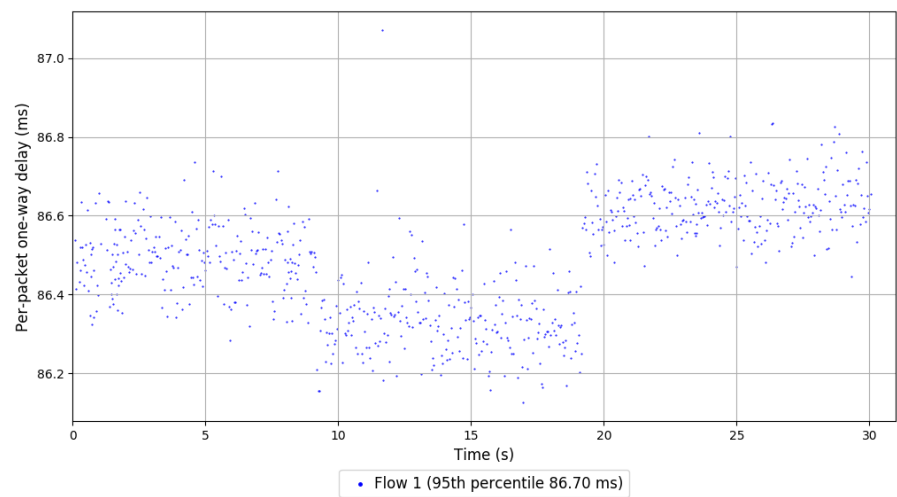
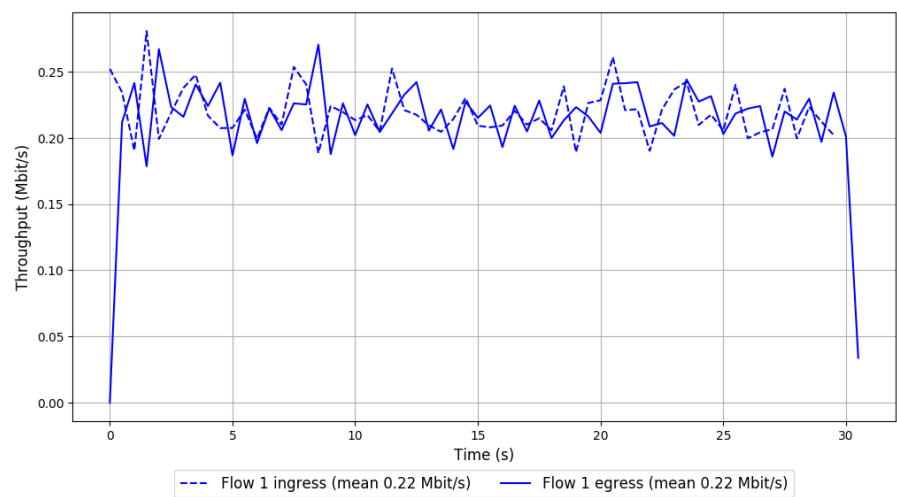


Run 9: Statistics of SCReAM

Start at: 2018-05-22 00:19:49
End at: 2018-05-22 00:20:19
Local clock offset: 0.557 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-05-22 01:56:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.700 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.700 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-05-22 00:40:31

End at: 2018-05-22 00:41:01

Local clock offset: 0.348 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-05-22 01:56:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.462 ms

Loss rate: 0.00%

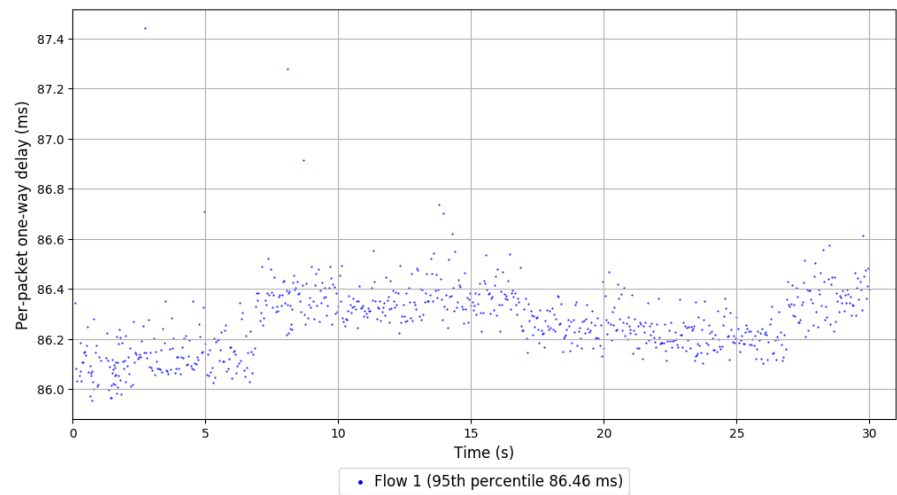
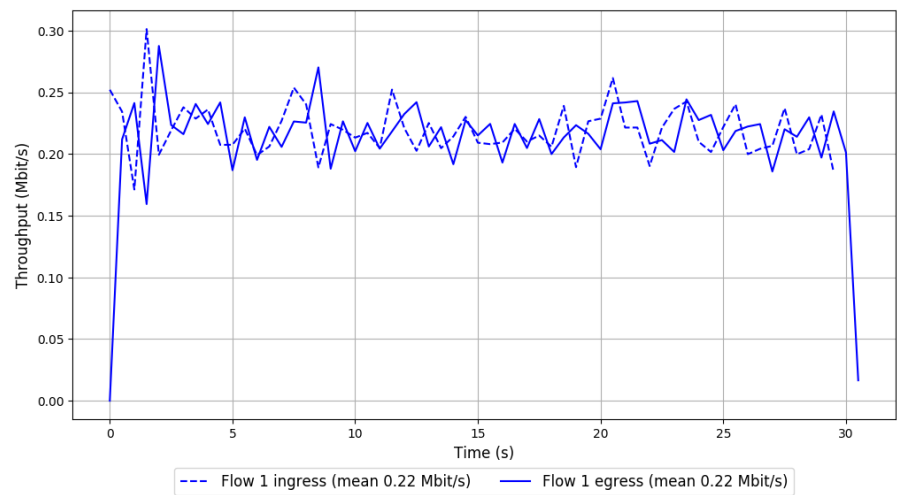
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.462 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-05-21 21:39:41

End at: 2018-05-21 21:40:11

Local clock offset: 14.39 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-05-22 01:56:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.29 Mbit/s

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

Loss rate: 0.00%

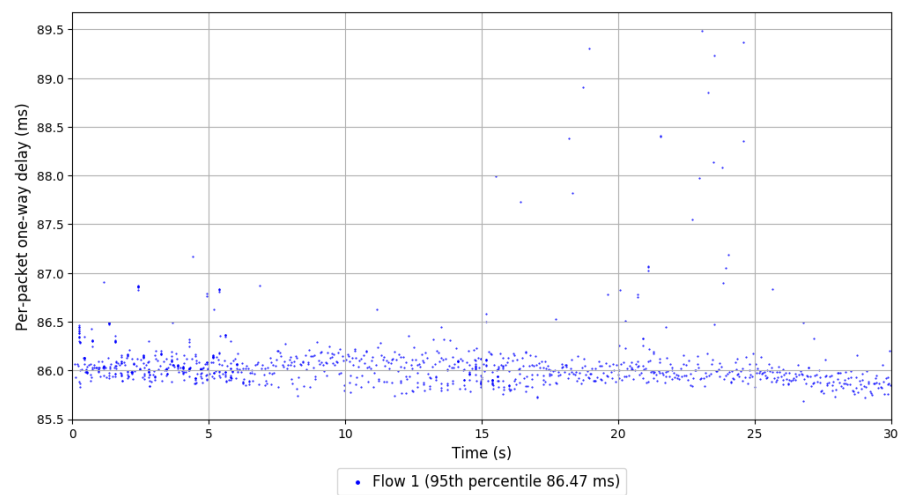
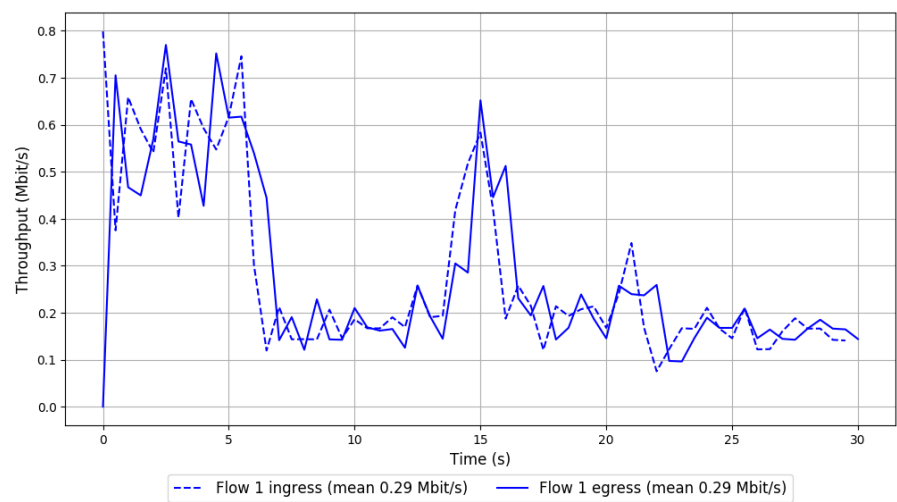
-- Flow 1:

Average throughput: 0.29 Mbit/s

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

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

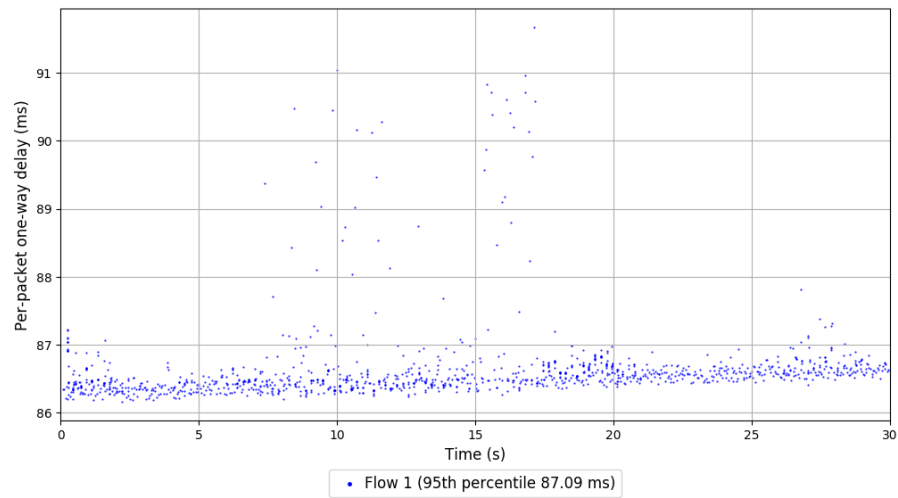
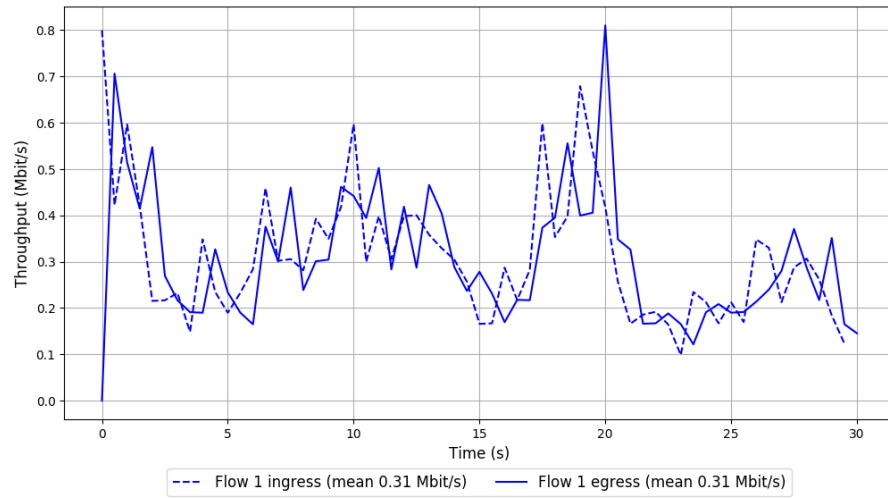


Run 2: Statistics of Sprout

Start at: 2018-05-21 22:00:01
End at: 2018-05-21 22:00:31
Local clock offset: 22.064 ms
Remote clock offset: -0.296 ms

Below is generated by plot.py at 2018-05-22 01:56:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 87.095 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 87.095 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

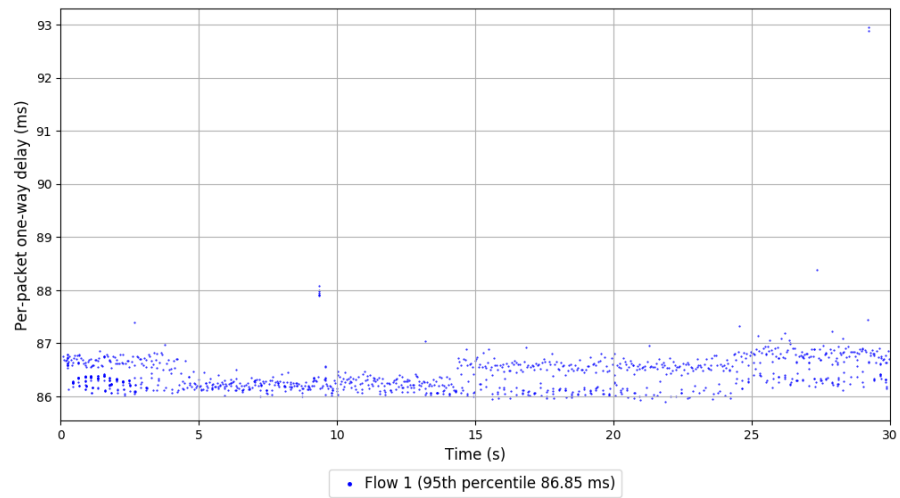
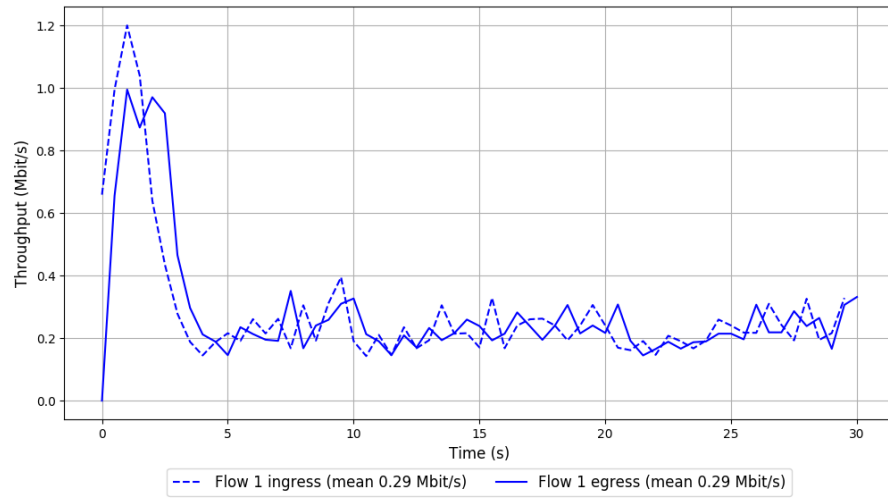


Run 3: Statistics of Sprout

Start at: 2018-05-21 22:20:24
End at: 2018-05-21 22:20:54
Local clock offset: 11.457 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-05-22 01:56:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 86.851 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 86.851 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

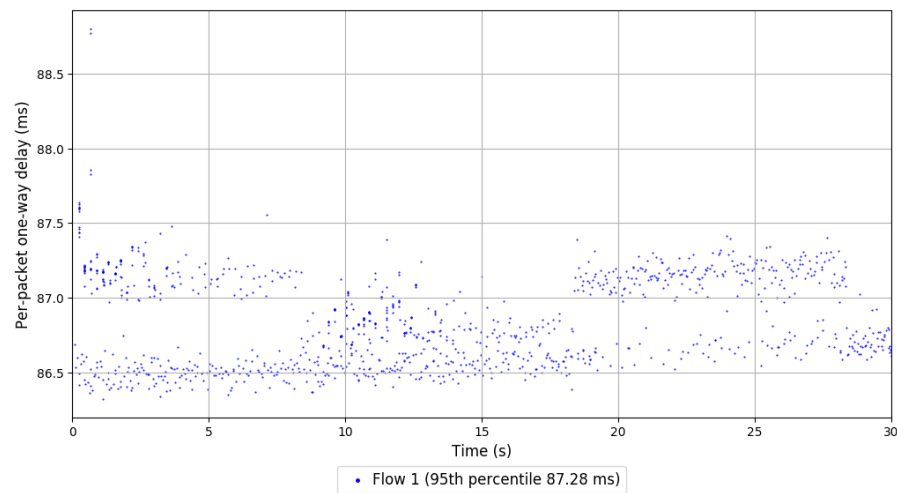
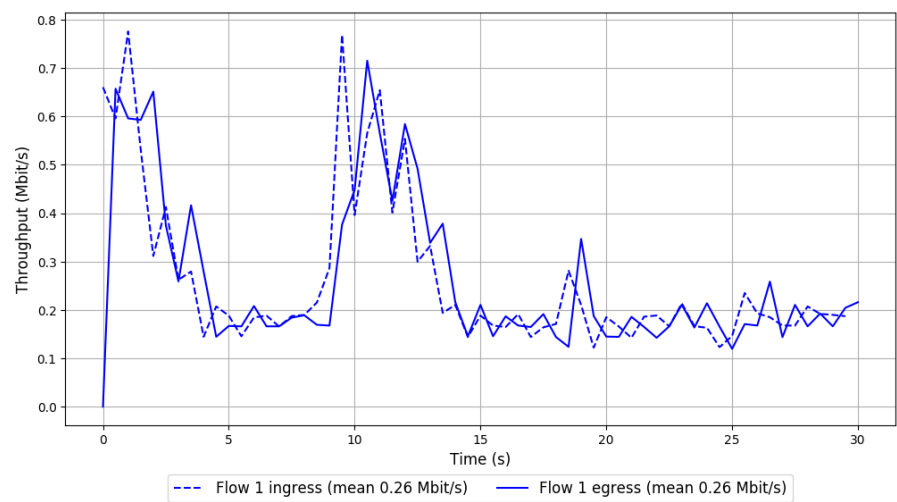


Run 4: Statistics of Sprout

Start at: 2018-05-21 22:40:50
End at: 2018-05-21 22:41:20
Local clock offset: 13.563 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-05-22 01:56:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 87.280 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 87.280 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

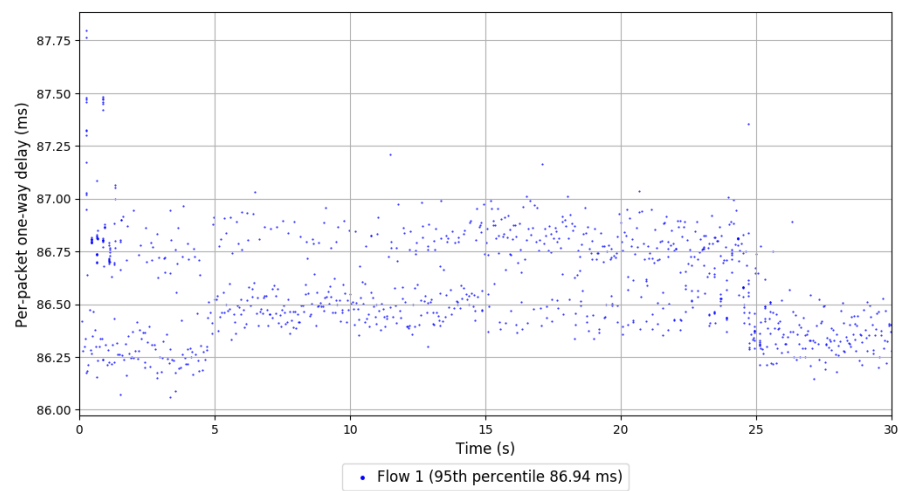
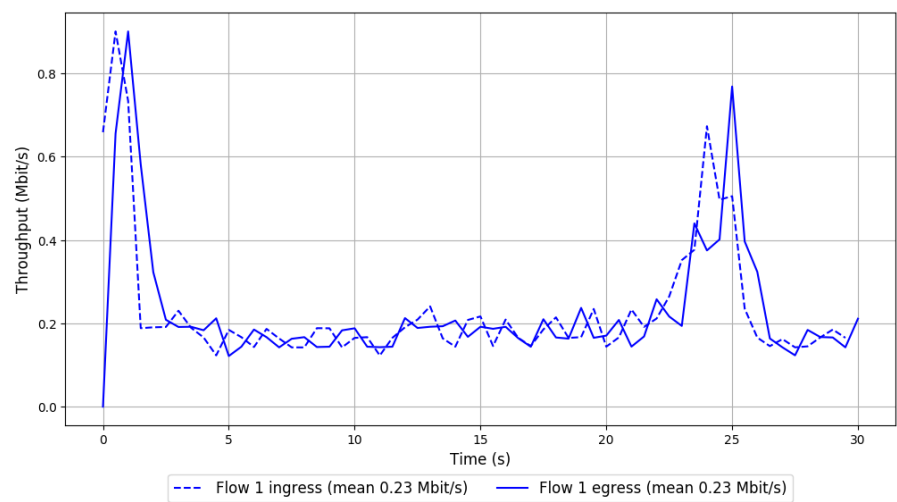


Run 5: Statistics of Sprout

Start at: 2018-05-21 23:01:23
End at: 2018-05-21 23:01:53
Local clock offset: 3.201 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-05-22 01:56:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 86.941 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 86.941 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-05-21 23:22:02

End at: 2018-05-21 23:22:32

Local clock offset: 2.065 ms

Remote clock offset: 0.048 ms

Below is generated by plot.py at 2018-05-22 01:56:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 86.577 ms

Loss rate: 0.00%

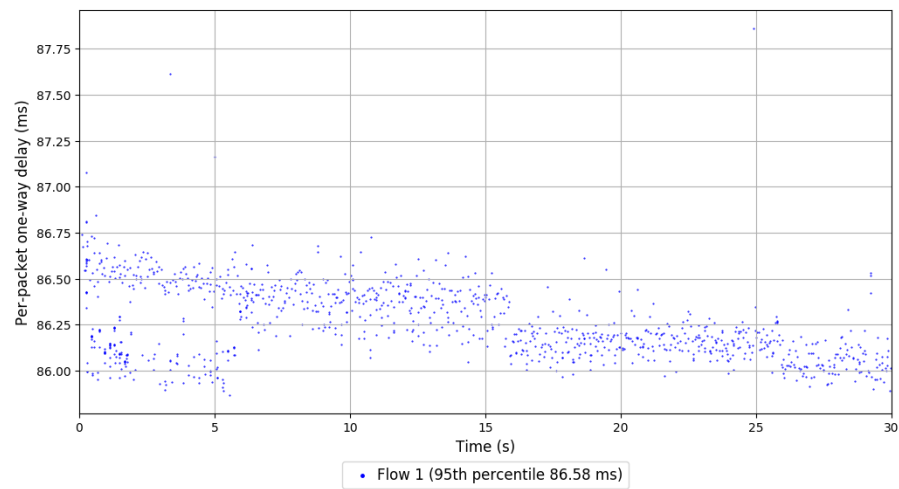
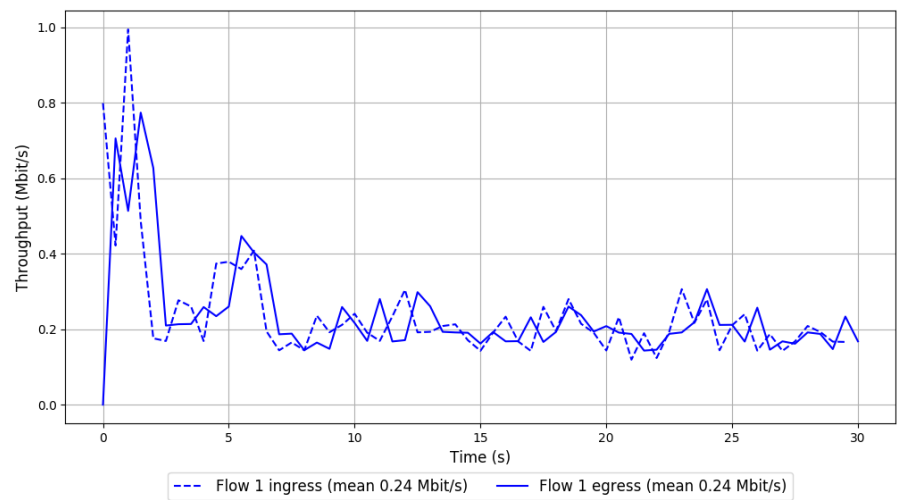
-- Flow 1:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 86.577 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-05-21 23:42:40

End at: 2018-05-21 23:43:10

Local clock offset: 0.999 ms

Remote clock offset: 0.08 ms

Below is generated by plot.py at 2018-05-22 01:56:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.26 Mbit/s

95th percentile per-packet one-way delay: 87.256 ms

Loss rate: 0.00%

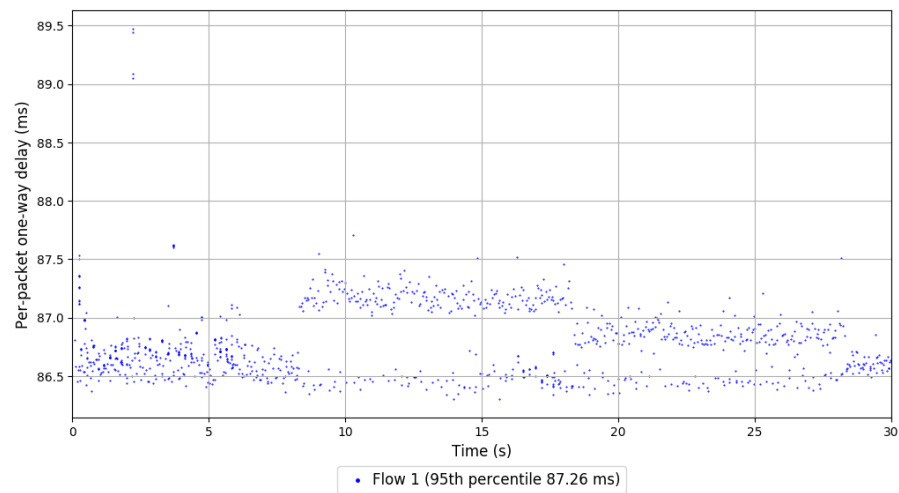
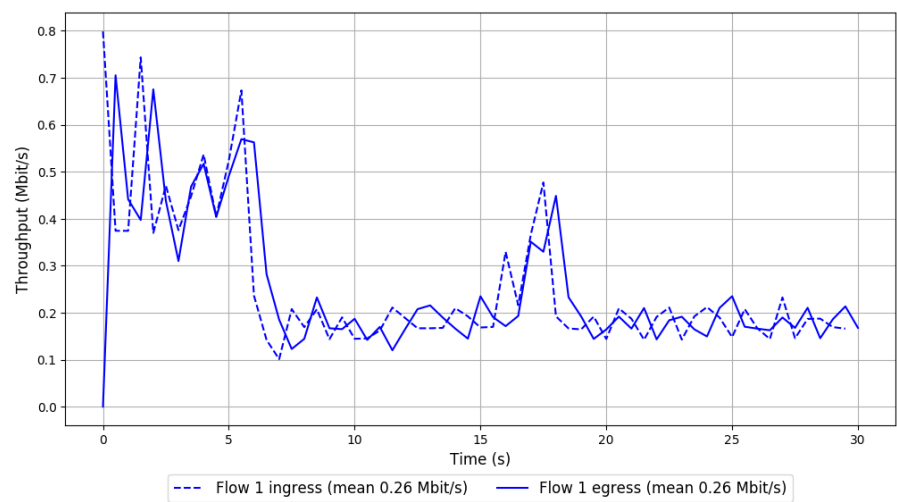
-- Flow 1:

Average throughput: 0.26 Mbit/s

95th percentile per-packet one-way delay: 87.256 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

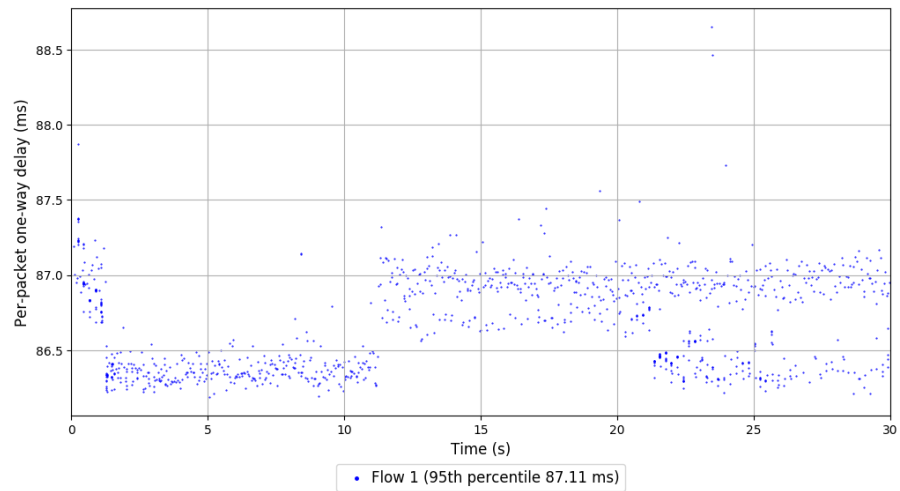
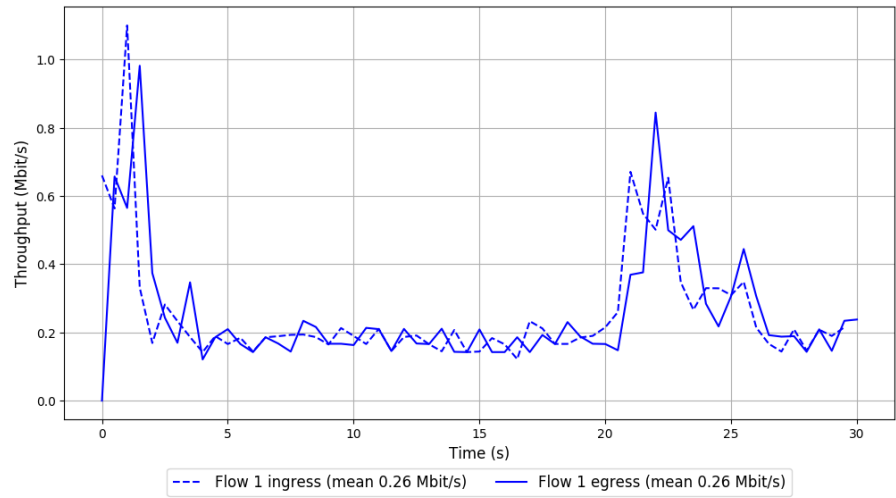


Run 8: Statistics of Sprout

Start at: 2018-05-22 00:03:07
End at: 2018-05-22 00:03:37
Local clock offset: 0.555 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-05-22 01:56:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 87.107 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 87.107 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

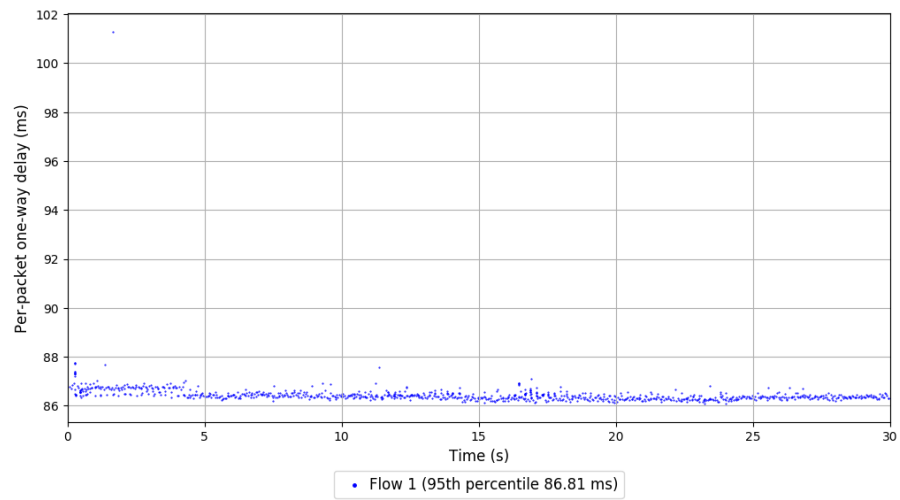
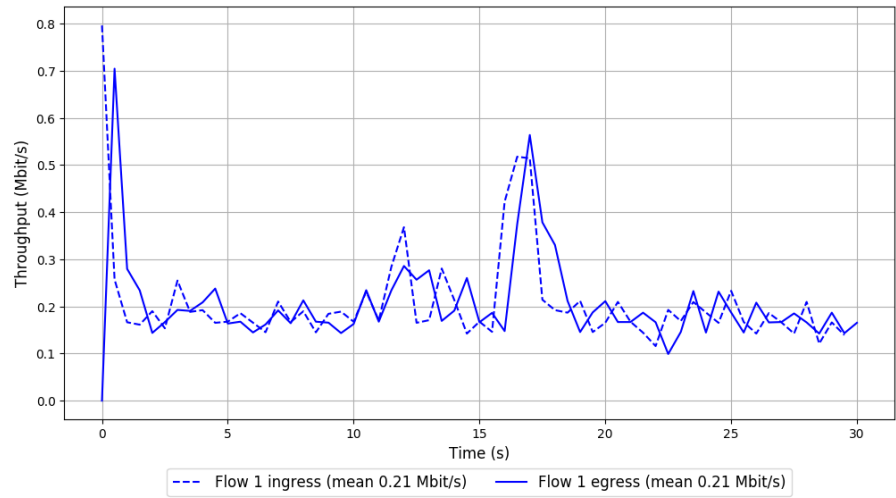


Run 9: Statistics of Sprout

Start at: 2018-05-22 00:23:54
End at: 2018-05-22 00:24:24
Local clock offset: 0.581 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-05-22 01:56:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 86.810 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 86.810 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

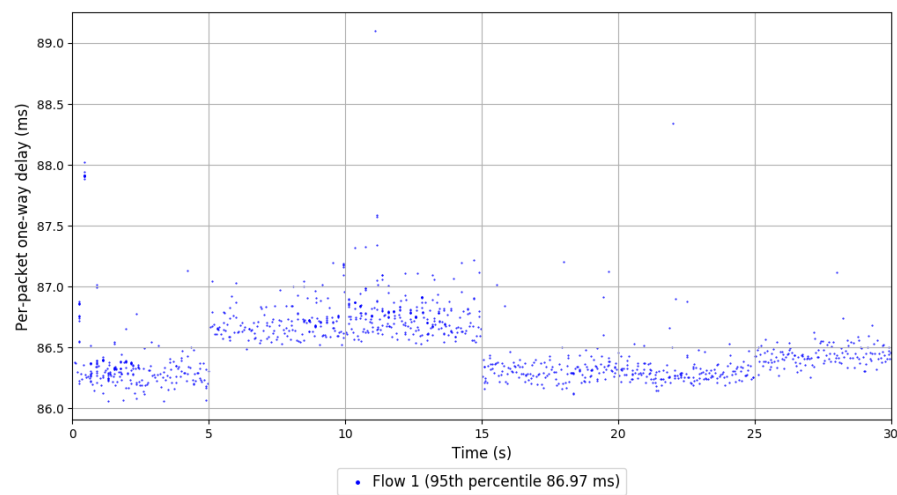
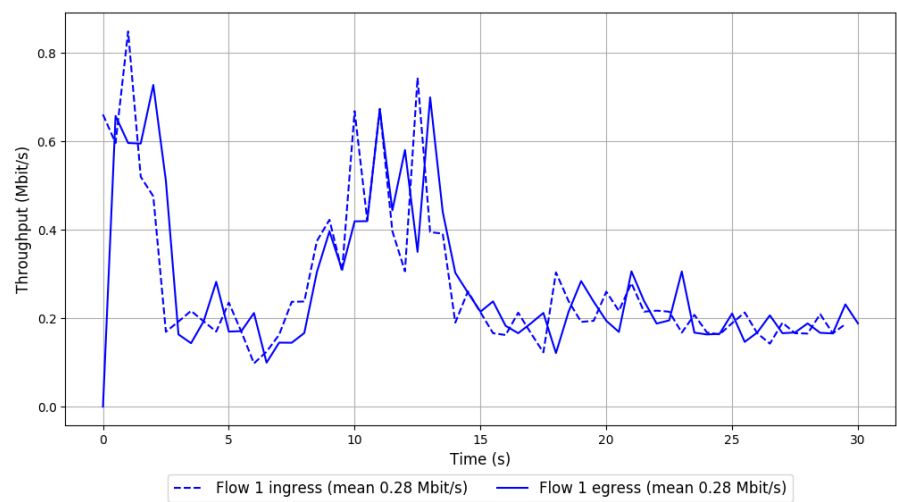


Run 10: Statistics of Sprout

Start at: 2018-05-22 00:44:33
End at: 2018-05-22 00:45:03
Local clock offset: 0.258 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-05-22 01:56:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 86.968 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 86.968 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

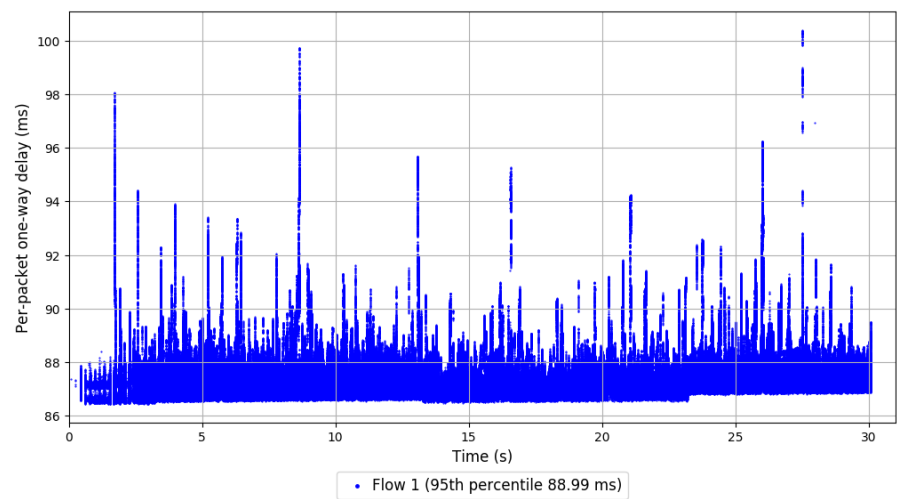
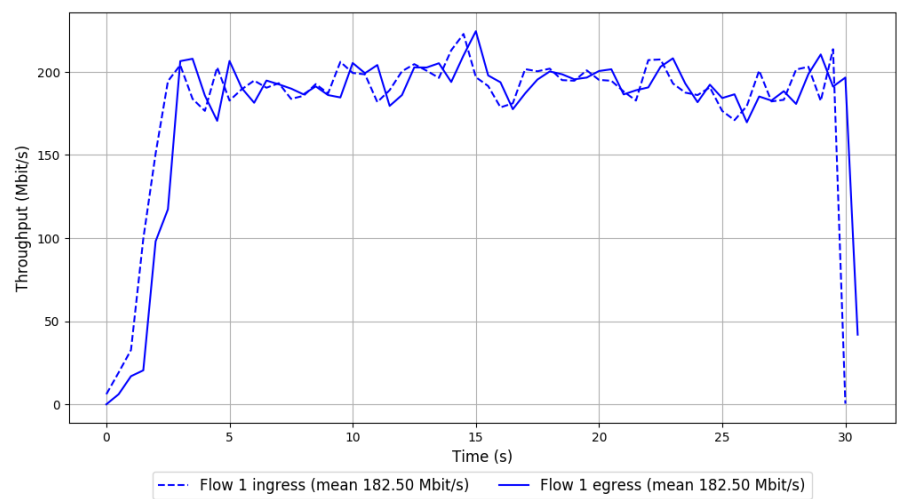


Run 1: Statistics of TaoVA-100x

Start at: 2018-05-21 21:48:25
End at: 2018-05-21 21:48:55
Local clock offset: 14.852 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-05-22 01:58:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 182.50 Mbit/s
95th percentile per-packet one-way delay: 88.990 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 182.50 Mbit/s
95th percentile per-packet one-way delay: 88.990 ms
Loss rate: 0.00%

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

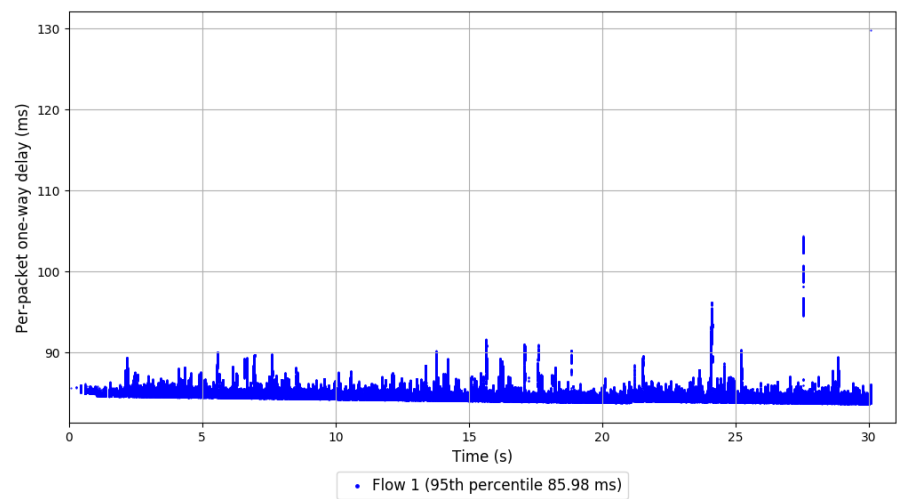
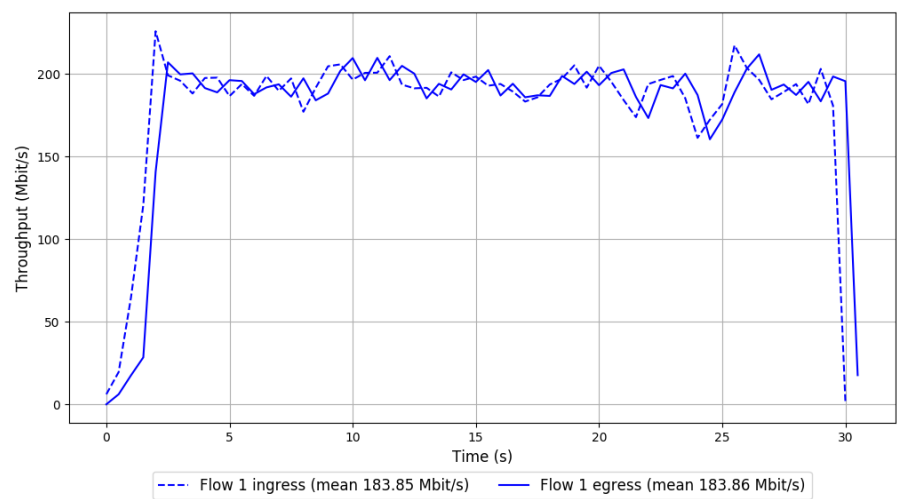


Run 2: Statistics of TaoVA-100x

Start at: 2018-05-21 22:08:37
End at: 2018-05-21 22:09:07
Local clock offset: 26.678 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-05-22 01:58:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 183.86 Mbit/s
95th percentile per-packet one-way delay: 85.980 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 183.86 Mbit/s
95th percentile per-packet one-way delay: 85.980 ms
Loss rate: 0.00%

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

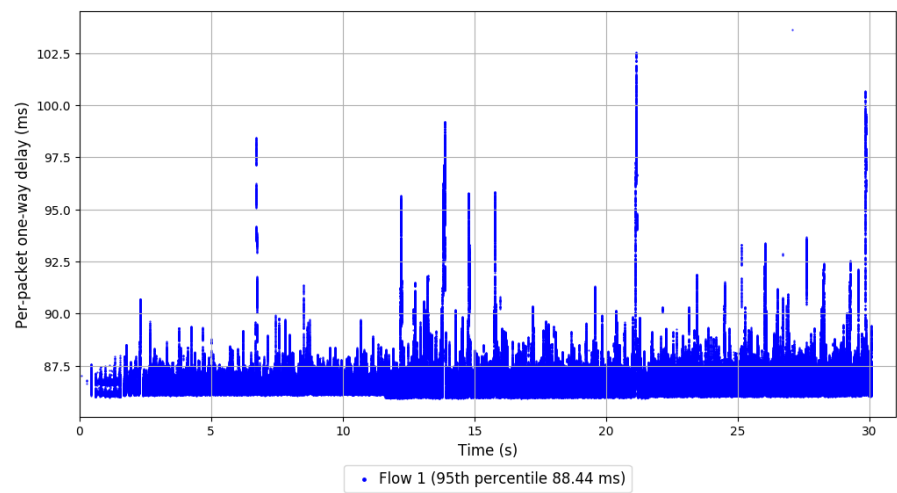
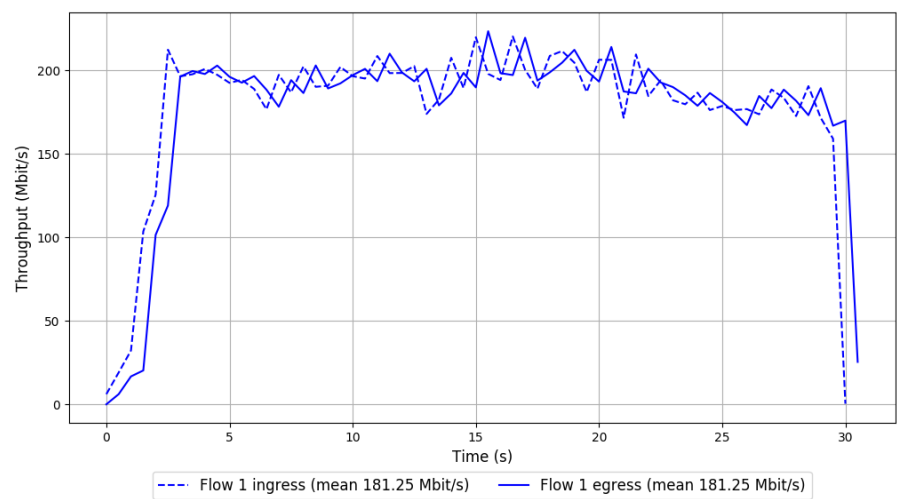


Run 3: Statistics of TaoVA-100x

Start at: 2018-05-21 22:29:07
End at: 2018-05-21 22:29:37
Local clock offset: 10.722 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-05-22 01:58:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 181.25 Mbit/s
95th percentile per-packet one-way delay: 88.436 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 181.25 Mbit/s
95th percentile per-packet one-way delay: 88.436 ms
Loss rate: 0.00%

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

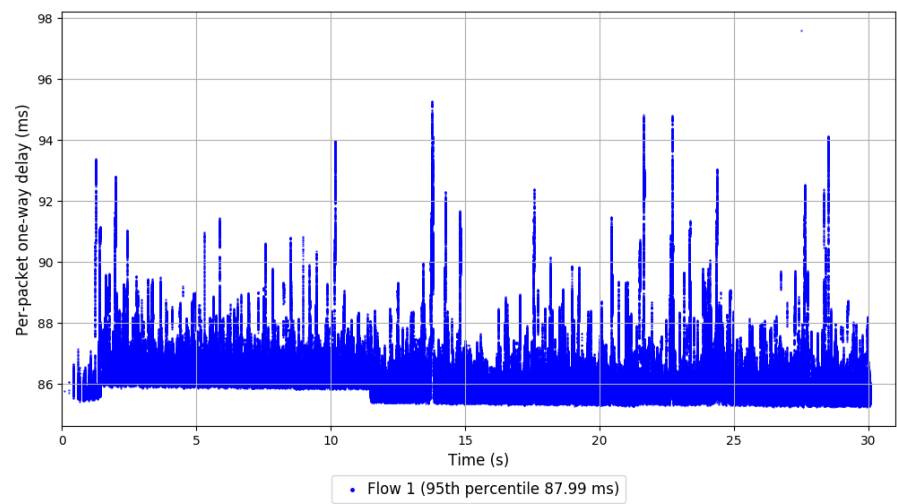
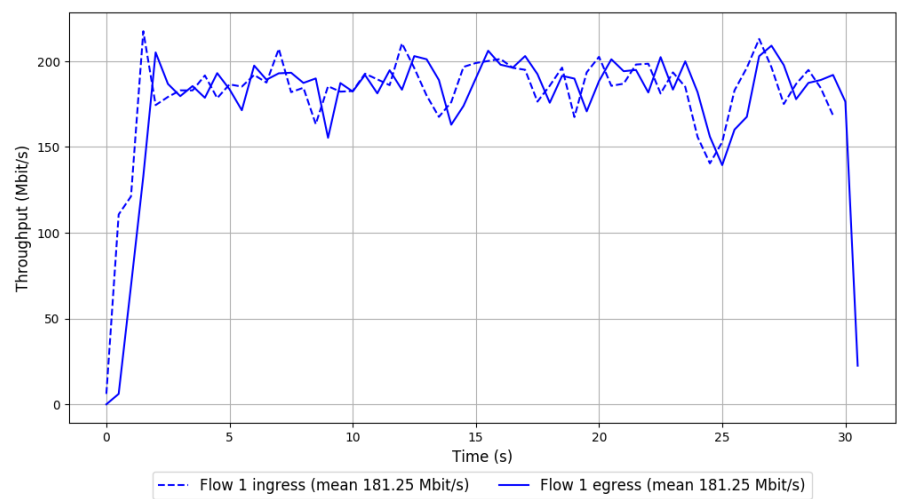


Run 4: Statistics of TaoVA-100x

Start at: 2018-05-21 22:49:37
End at: 2018-05-21 22:50:07
Local clock offset: 6.815 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2018-05-22 01:58:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 181.25 Mbit/s
95th percentile per-packet one-way delay: 87.993 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 181.25 Mbit/s
95th percentile per-packet one-way delay: 87.993 ms
Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-05-21 23:10:05

End at: 2018-05-21 23:10:35

Local clock offset: 3.028 ms

Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-05-22 01:58:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 189.14 Mbit/s

95th percentile per-packet one-way delay: 89.563 ms

Loss rate: 0.00%

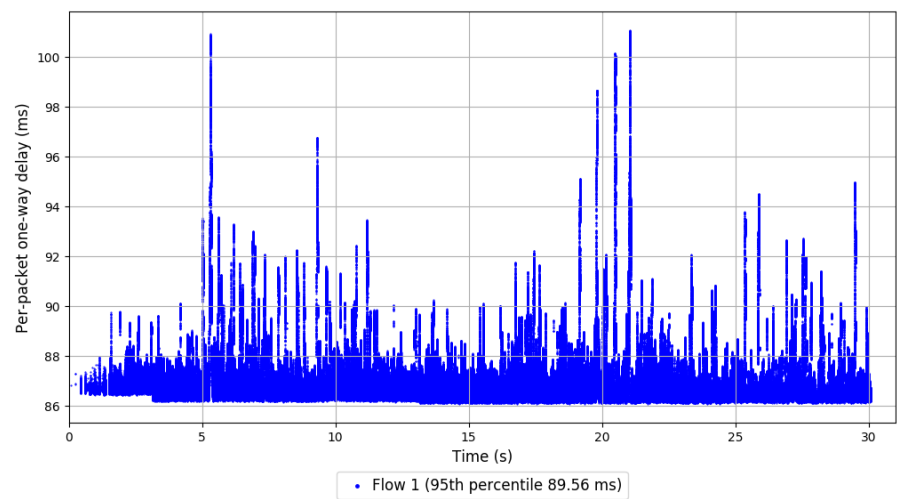
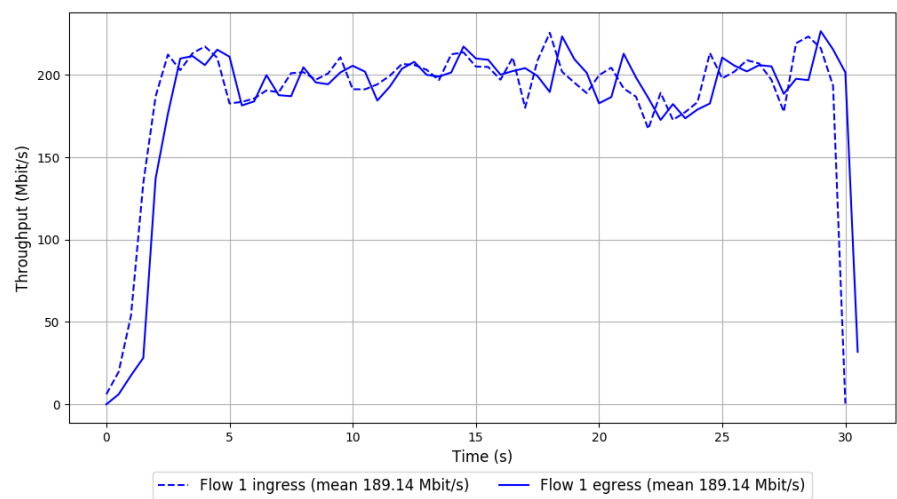
-- Flow 1:

Average throughput: 189.14 Mbit/s

95th percentile per-packet one-way delay: 89.563 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-05-21 23:30:46

End at: 2018-05-21 23:31:16

Local clock offset: 1.419 ms

Remote clock offset: 0.08 ms

Below is generated by plot.py at 2018-05-22 02:00:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 181.49 Mbit/s

95th percentile per-packet one-way delay: 89.869 ms

Loss rate: 0.00%

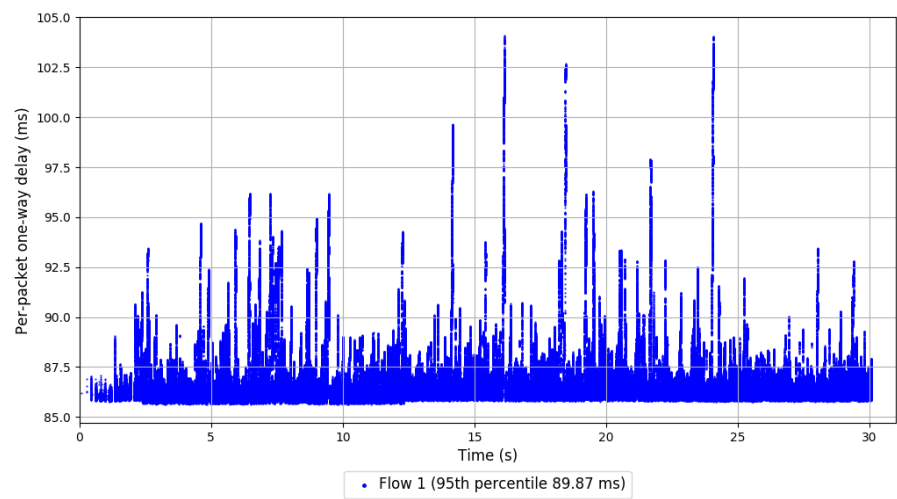
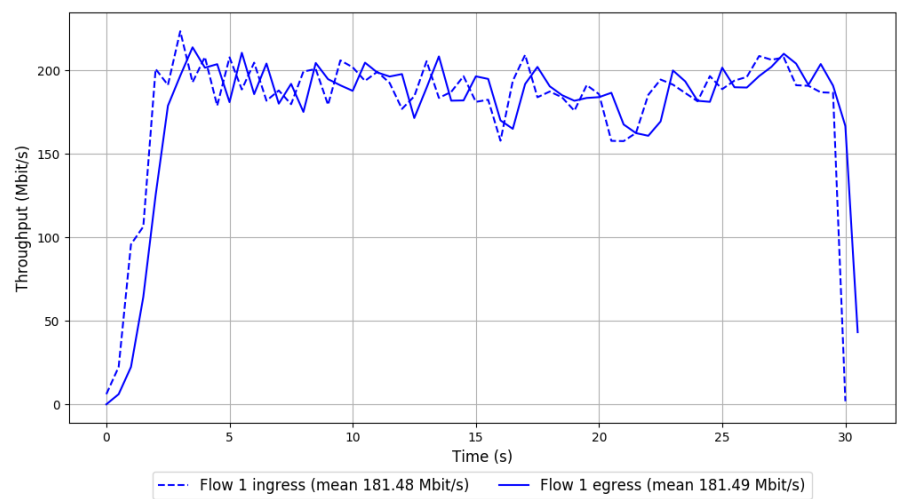
-- Flow 1:

Average throughput: 181.49 Mbit/s

95th percentile per-packet one-way delay: 89.869 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-05-21 23:51:26

End at: 2018-05-21 23:51:56

Local clock offset: 1.225 ms

Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-05-22 02:01:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 179.39 Mbit/s

95th percentile per-packet one-way delay: 88.228 ms

Loss rate: 0.00%

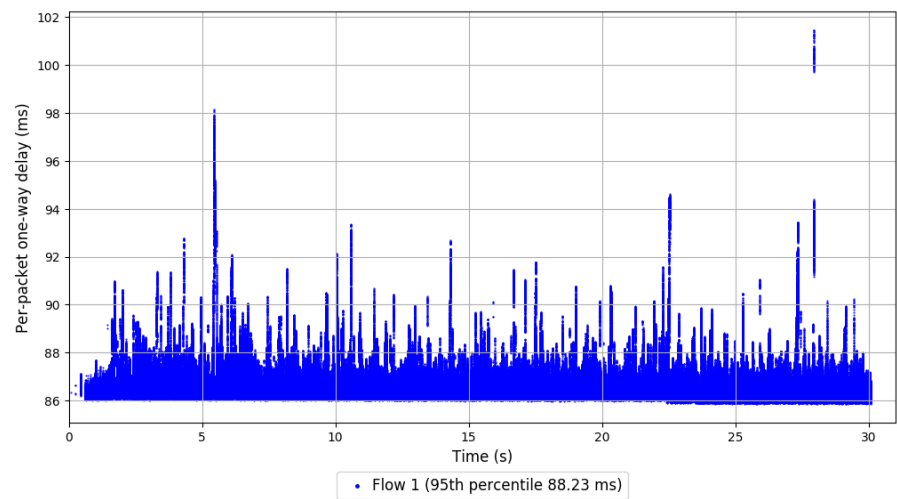
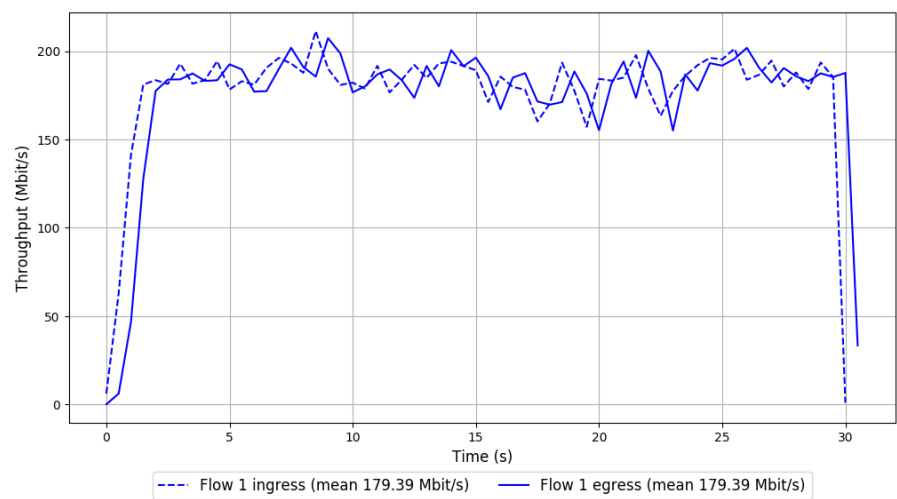
-- Flow 1:

Average throughput: 179.39 Mbit/s

95th percentile per-packet one-way delay: 88.228 ms

Loss rate: 0.00%

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

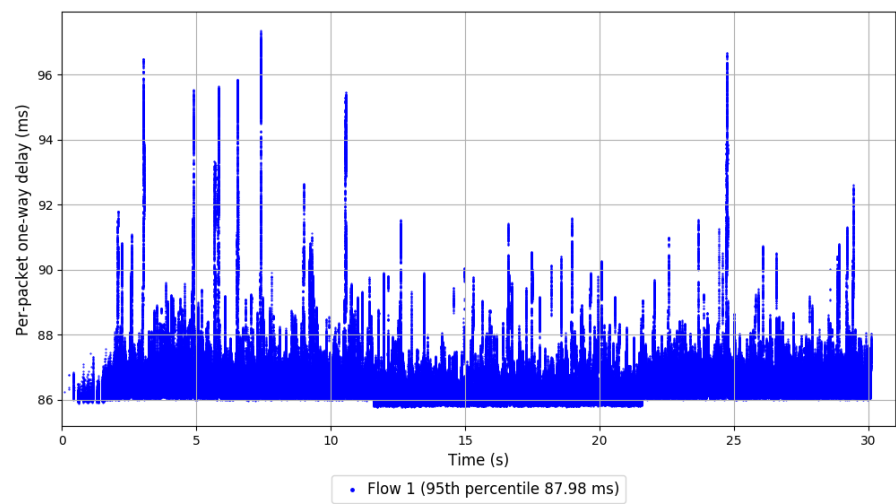
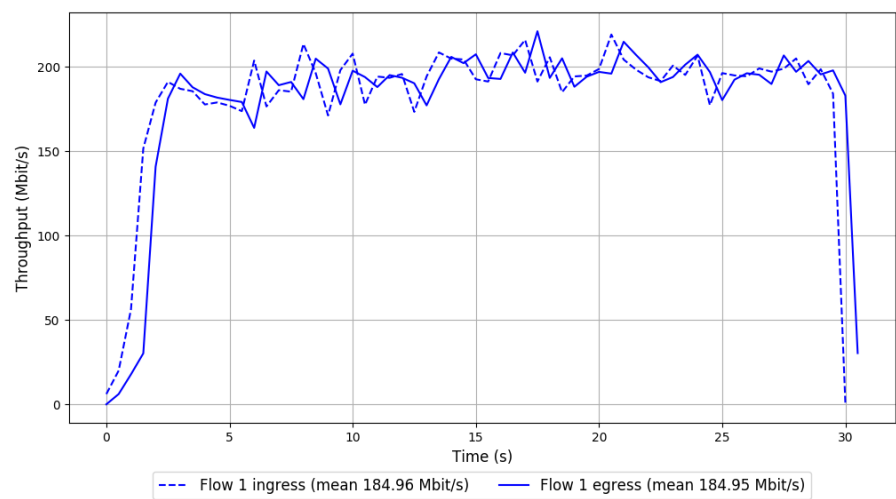


Run 8: Statistics of TaoVA-100x

Start at: 2018-05-22 00:11:57
End at: 2018-05-22 00:12:27
Local clock offset: 0.801 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-05-22 02:02:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 184.95 Mbit/s
95th percentile per-packet one-way delay: 87.977 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 184.95 Mbit/s
95th percentile per-packet one-way delay: 87.977 ms
Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-05-22 00:32:48

End at: 2018-05-22 00:33:18

Local clock offset: 0.36 ms

Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-05-22 02:03:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 176.67 Mbit/s

95th percentile per-packet one-way delay: 88.736 ms

Loss rate: 0.00%

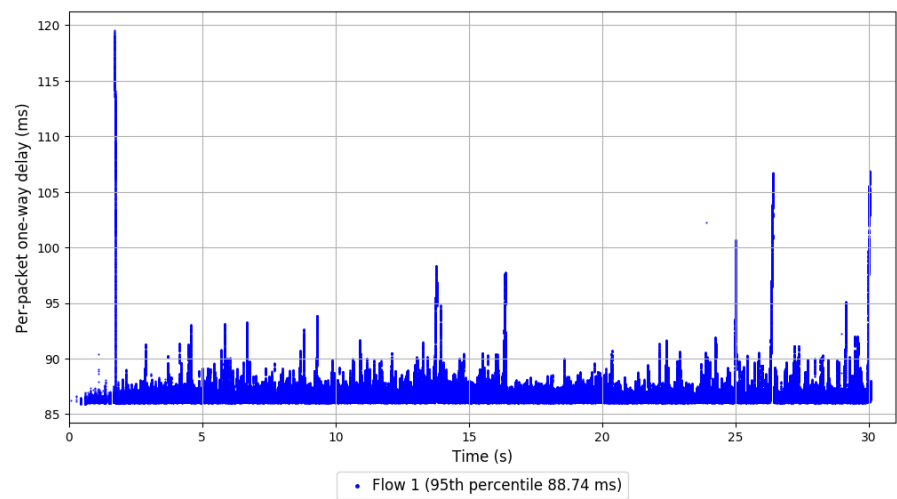
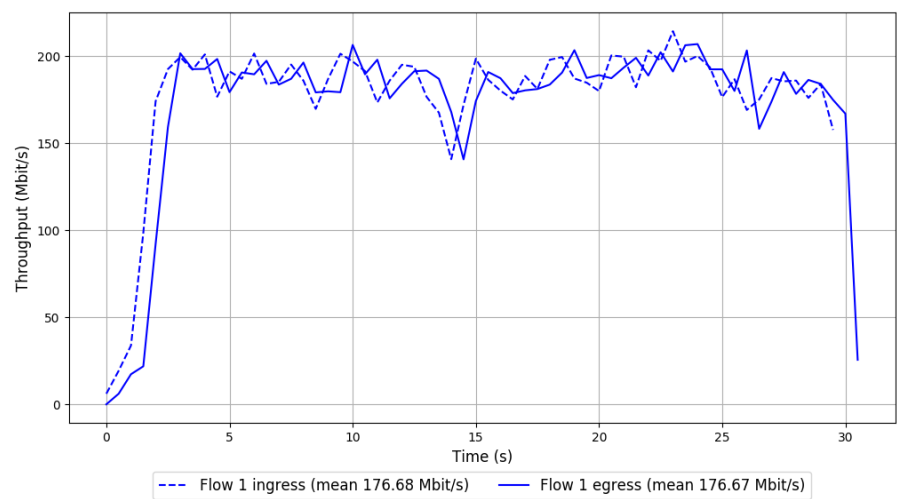
-- Flow 1:

Average throughput: 176.67 Mbit/s

95th percentile per-packet one-way delay: 88.736 ms

Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-05-22 00:53:20

End at: 2018-05-22 00:53:50

Local clock offset: 0.275 ms

Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-05-22 02:03:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 175.54 Mbit/s

95th percentile per-packet one-way delay: 89.173 ms

Loss rate: 0.00%

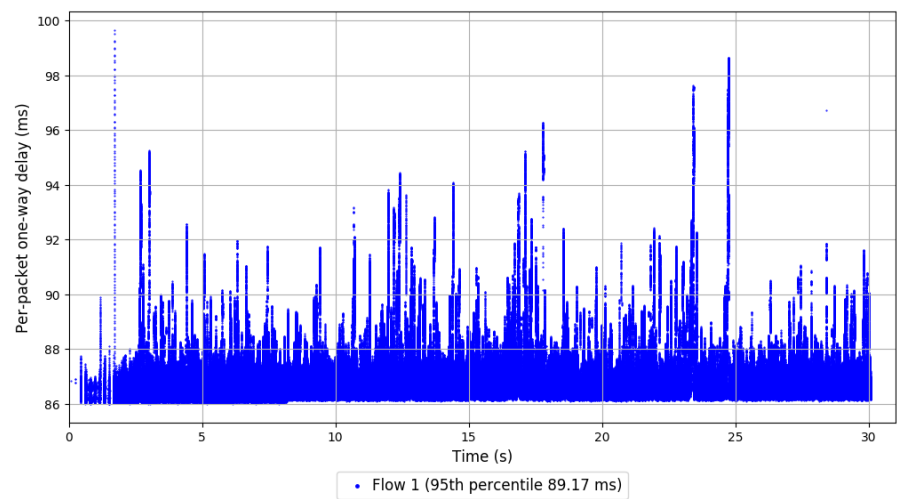
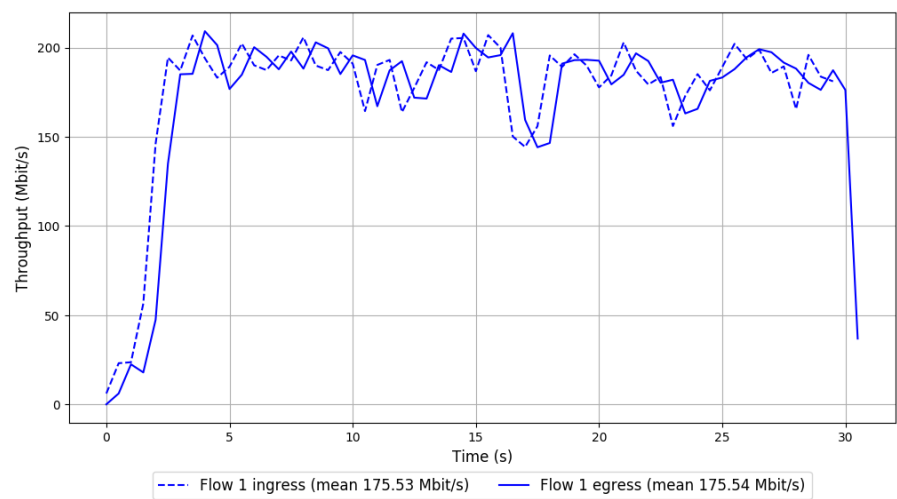
-- Flow 1:

Average throughput: 175.54 Mbit/s

95th percentile per-packet one-way delay: 89.173 ms

Loss rate: 0.00%

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

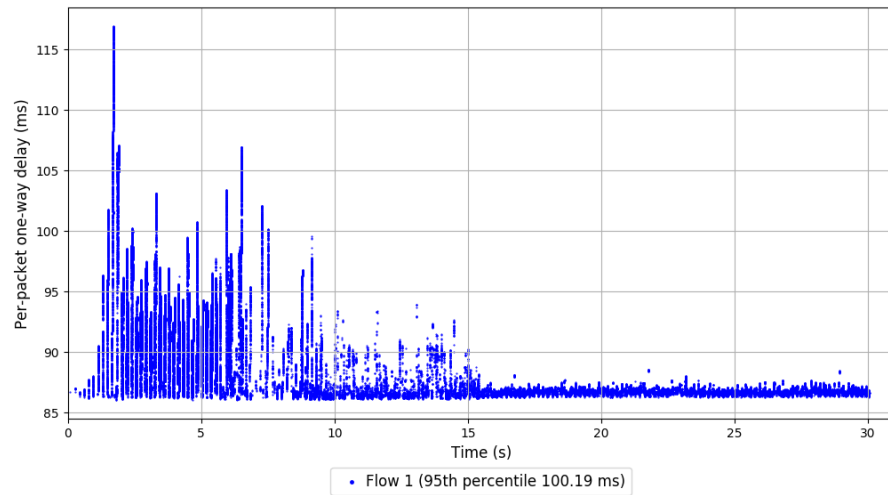
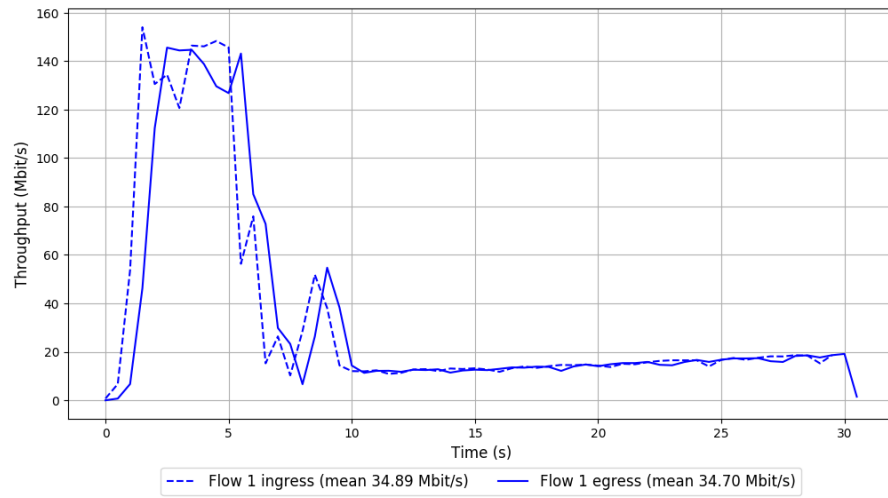


Run 1: Statistics of TCP Vegas

Start at: 2018-05-21 21:44:33
End at: 2018-05-21 21:45:03
Local clock offset: 14.046 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-05-22 02:03:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.70 Mbit/s
95th percentile per-packet one-way delay: 100.189 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 34.70 Mbit/s
95th percentile per-packet one-way delay: 100.189 ms
Loss rate: 0.54%

Run 1: Report of TCP Vegas — Data Link

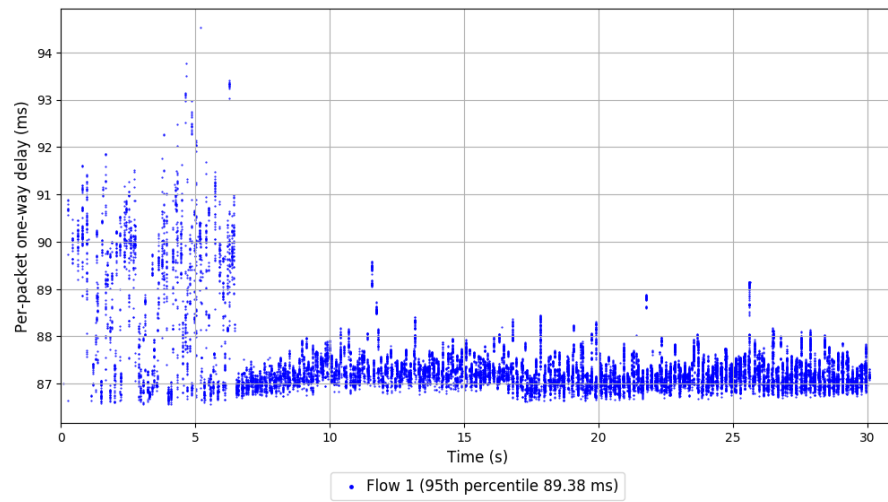
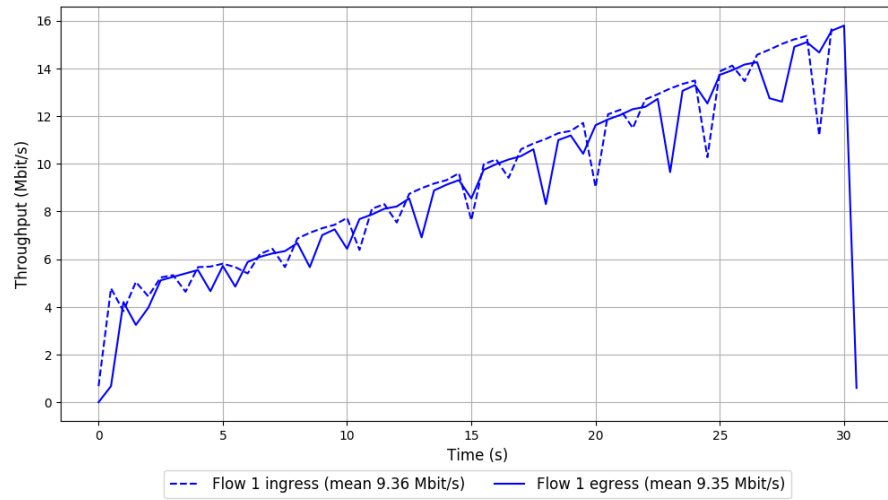


Run 2: Statistics of TCP Vegas

Start at: 2018-05-21 22:04:52
End at: 2018-05-21 22:05:22
Local clock offset: 25.434 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-05-22 02:03:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.35 Mbit/s
95th percentile per-packet one-way delay: 89.378 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 9.35 Mbit/s
95th percentile per-packet one-way delay: 89.378 ms
Loss rate: 0.10%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-05-21 22:25:13

End at: 2018-05-21 22:25:43

Local clock offset: 10.393 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-05-22 02:03:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 113.48 Mbit/s

95th percentile per-packet one-way delay: 87.879 ms

Loss rate: 0.00%

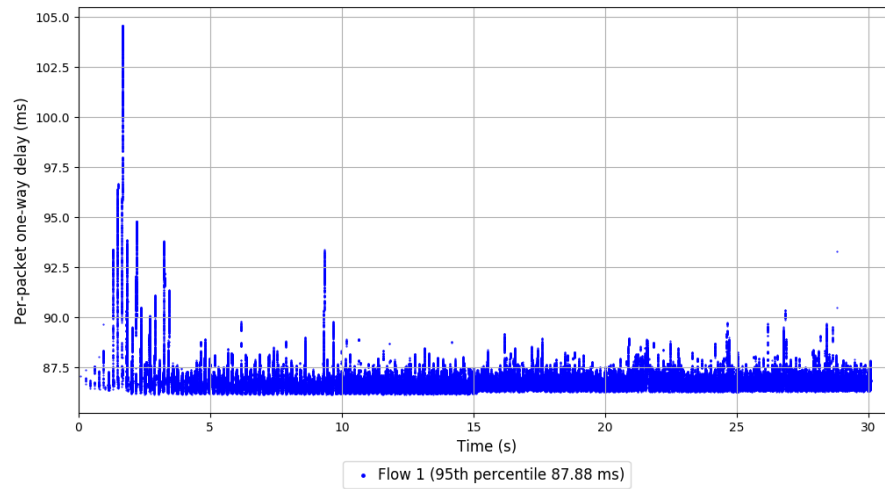
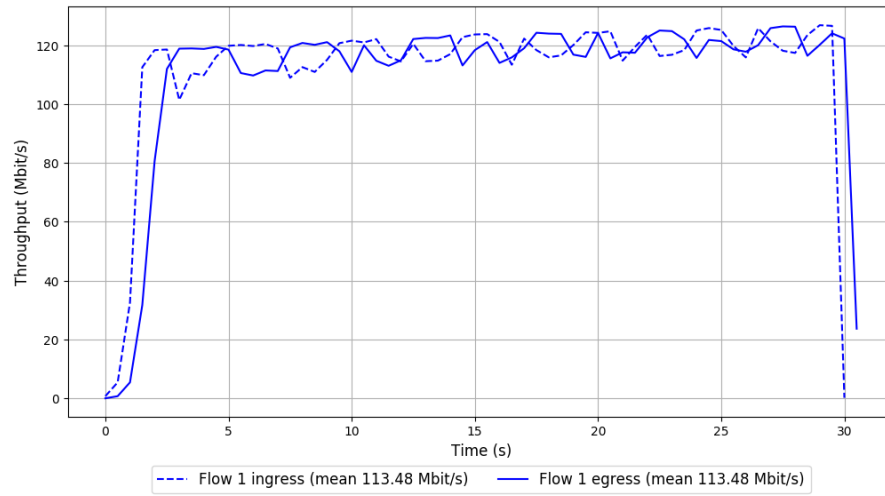
-- Flow 1:

Average throughput: 113.48 Mbit/s

95th percentile per-packet one-way delay: 87.879 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

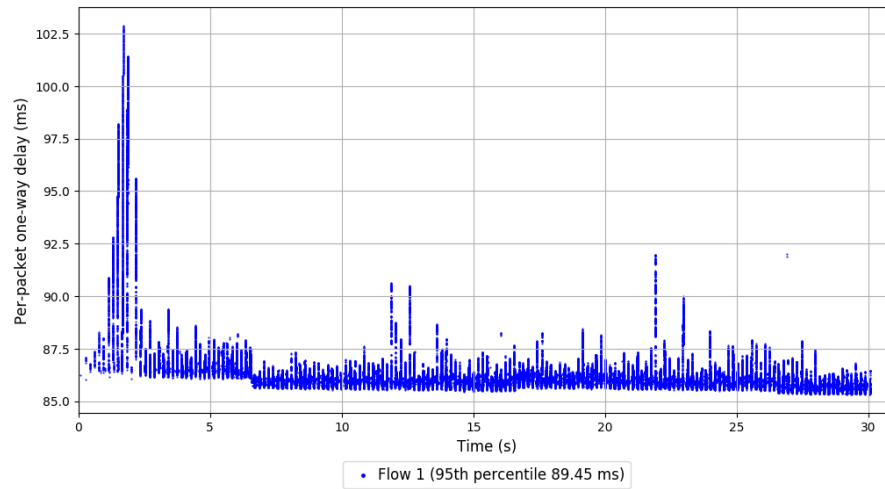
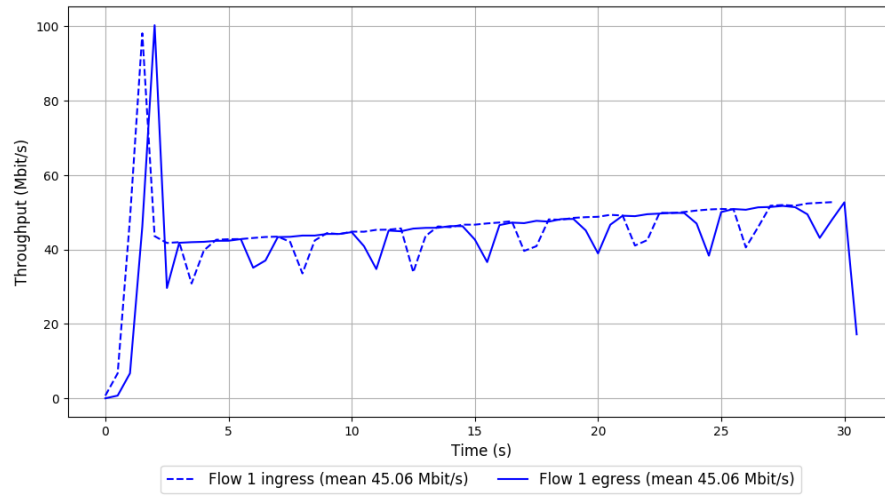


Run 4: Statistics of TCP Vegas

Start at: 2018-05-21 22:45:42
End at: 2018-05-21 22:46:12
Local clock offset: 9.551 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-05-22 02:03:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 45.06 Mbit/s
95th percentile per-packet one-way delay: 89.453 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 45.06 Mbit/s
95th percentile per-packet one-way delay: 89.453 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

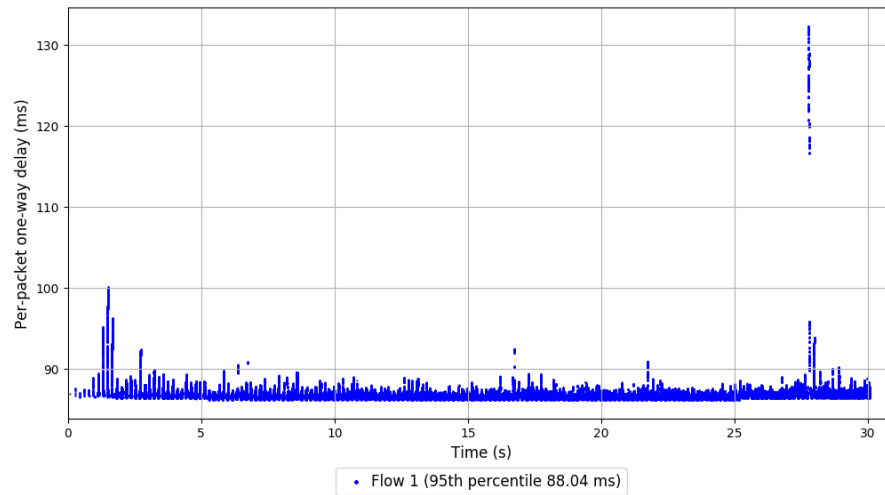
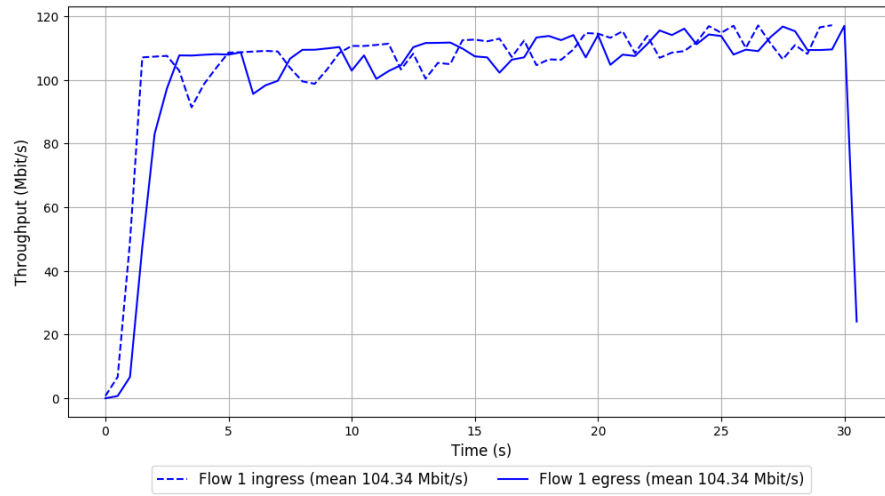


Run 5: Statistics of TCP Vegas

Start at: 2018-05-21 23:06:13
End at: 2018-05-21 23:06:43
Local clock offset: 2.896 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-05-22 02:03:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 104.34 Mbit/s
95th percentile per-packet one-way delay: 88.044 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 104.34 Mbit/s
95th percentile per-packet one-way delay: 88.044 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-05-21 23:26:53

End at: 2018-05-21 23:27:23

Local clock offset: 1.195 ms

Remote clock offset: 0.068 ms

Below is generated by plot.py at 2018-05-22 02:03:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.64 Mbit/s

95th percentile per-packet one-way delay: 101.518 ms

Loss rate: 0.17%

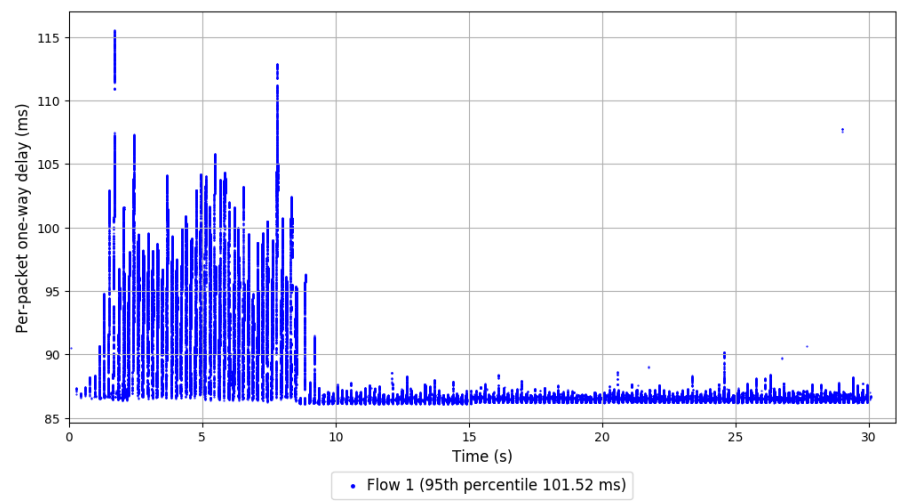
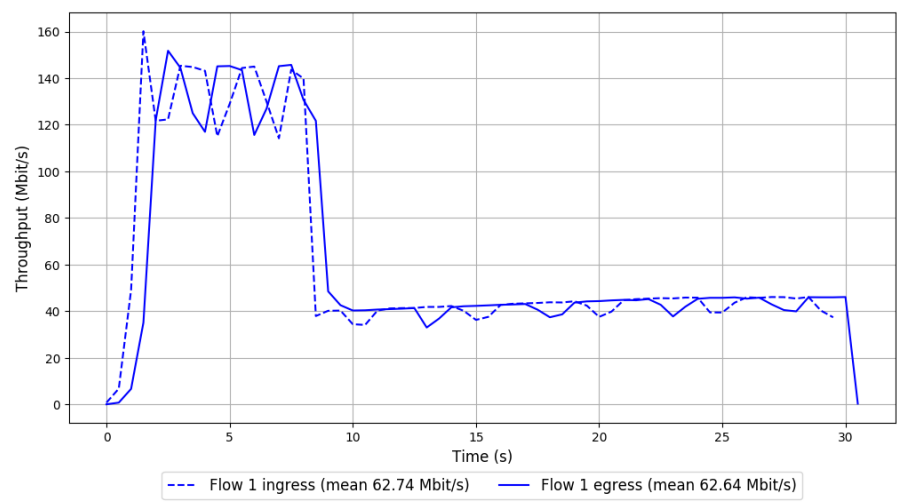
-- Flow 1:

Average throughput: 62.64 Mbit/s

95th percentile per-packet one-way delay: 101.518 ms

Loss rate: 0.17%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-05-21 23:47:33

End at: 2018-05-21 23:48:03

Local clock offset: 1.509 ms

Remote clock offset: 0.113 ms

Below is generated by plot.py at 2018-05-22 02:03:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 130.61 Mbit/s

95th percentile per-packet one-way delay: 97.656 ms

Loss rate: 0.08%

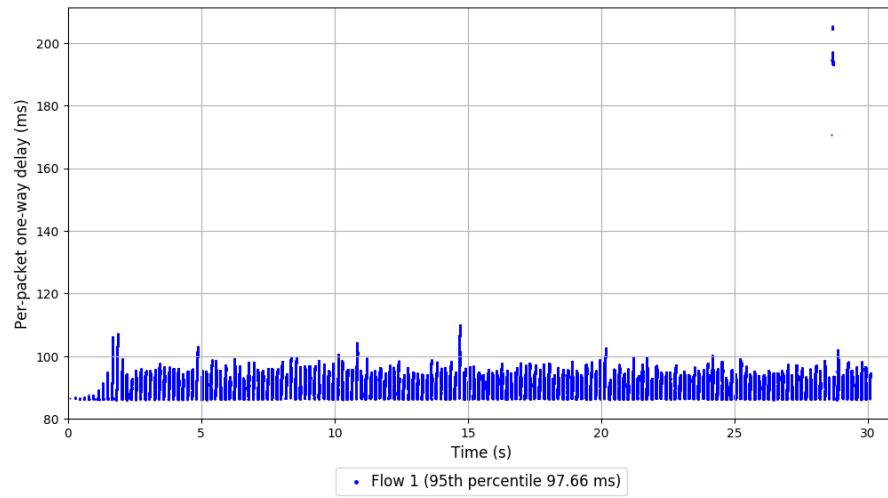
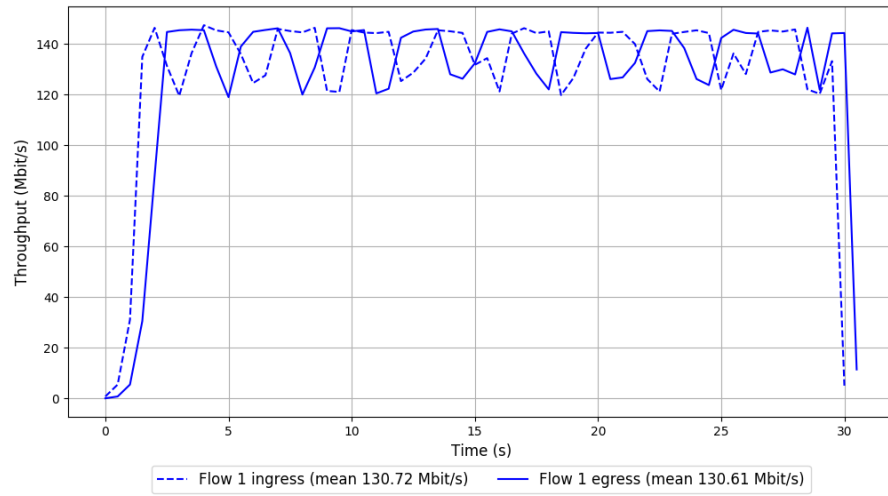
-- Flow 1:

Average throughput: 130.61 Mbit/s

95th percentile per-packet one-way delay: 97.656 ms

Loss rate: 0.08%

Run 7: Report of TCP Vegas — Data Link

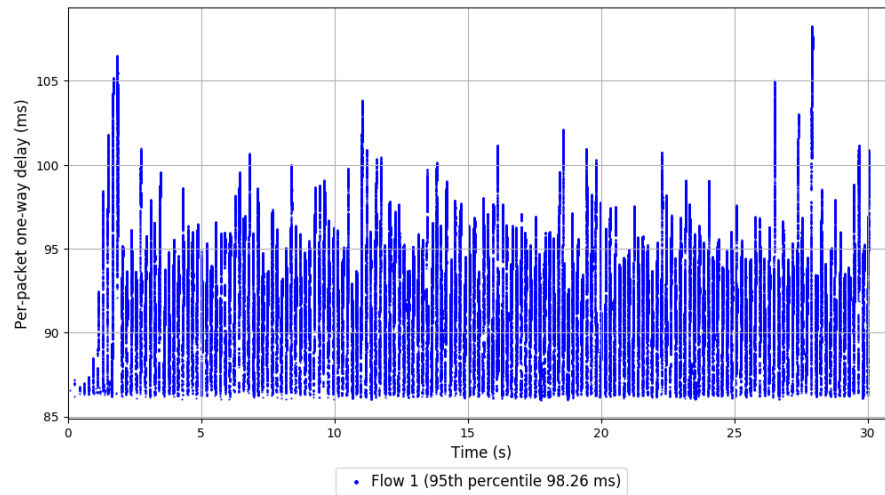
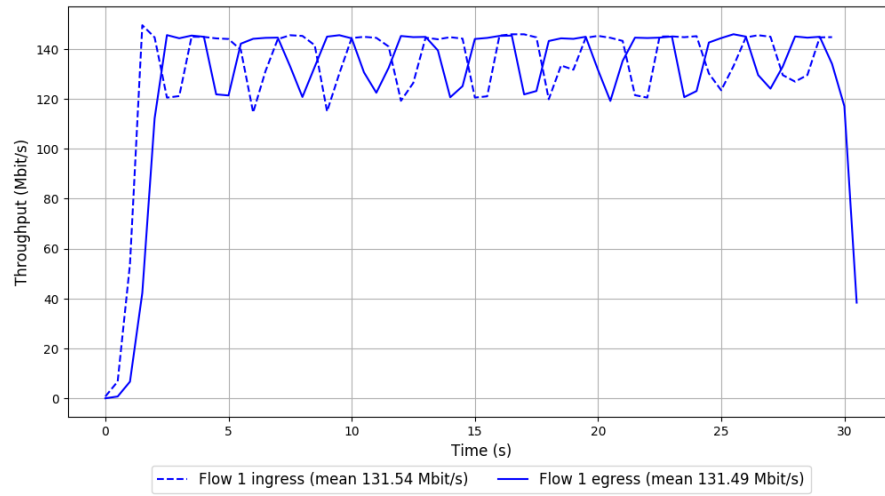


Run 8: Statistics of TCP Vegas

Start at: 2018-05-22 00:07:58
End at: 2018-05-22 00:08:28
Local clock offset: 0.62 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-05-22 02:03:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 131.49 Mbit/s
95th percentile per-packet one-way delay: 98.256 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 131.49 Mbit/s
95th percentile per-packet one-way delay: 98.256 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-05-22 00:28:46

End at: 2018-05-22 00:29:16

Local clock offset: 0.332 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-05-22 02:03:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 130.04 Mbit/s

95th percentile per-packet one-way delay: 101.640 ms

Loss rate: 0.00%

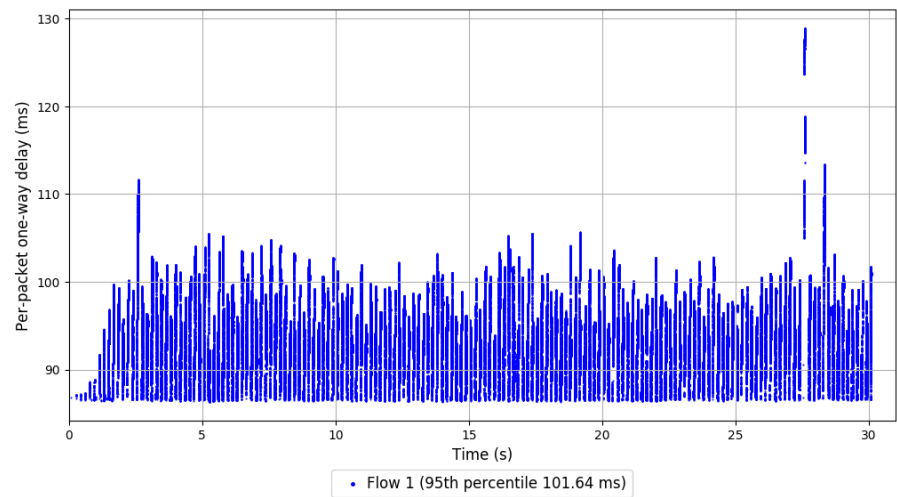
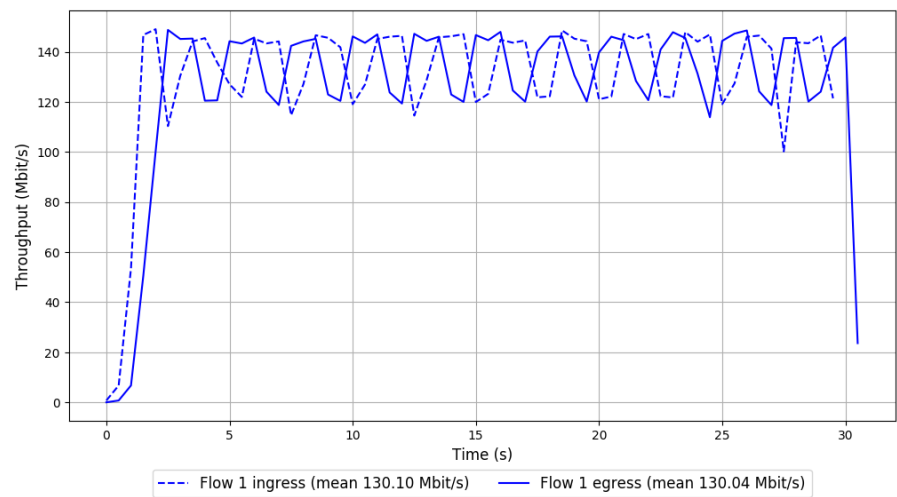
-- Flow 1:

Average throughput: 130.04 Mbit/s

95th percentile per-packet one-way delay: 101.640 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-05-22 00:49:24

End at: 2018-05-22 00:49:54

Local clock offset: 0.516 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-05-22 02:03:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 130.13 Mbit/s

95th percentile per-packet one-way delay: 100.752 ms

Loss rate: 0.00%

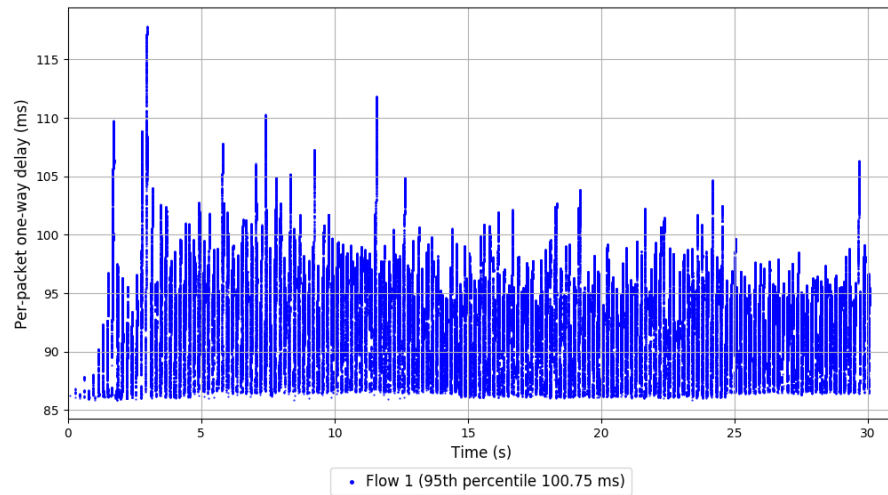
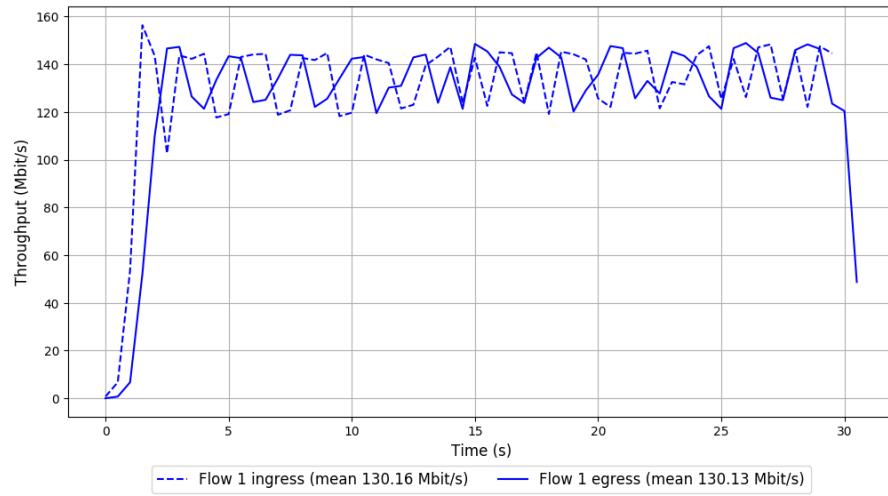
-- Flow 1:

Average throughput: 130.13 Mbit/s

95th percentile per-packet one-way delay: 100.752 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-05-21 21:34:17

End at: 2018-05-21 21:34:47

Local clock offset: 18.734 ms

Remote clock offset: 0.152 ms

Below is generated by plot.py at 2018-05-22 02:05:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 233.50 Mbit/s

95th percentile per-packet one-way delay: 122.358 ms

Loss rate: 1.39%

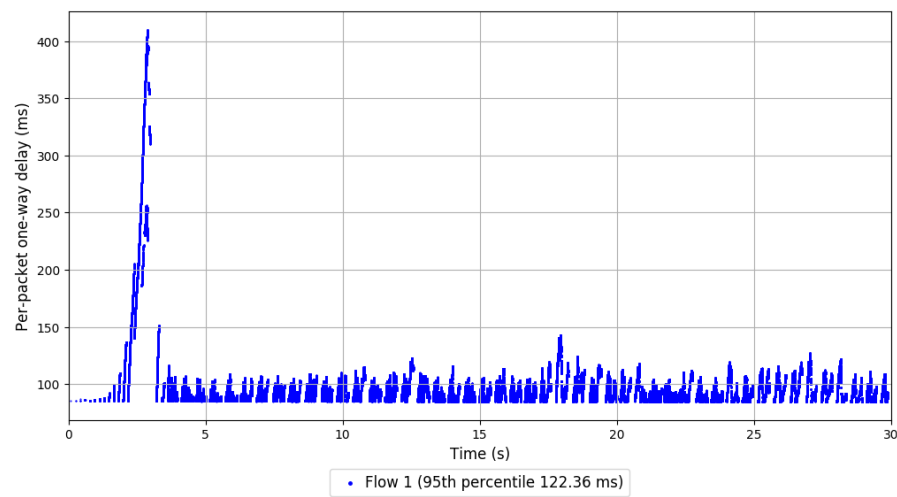
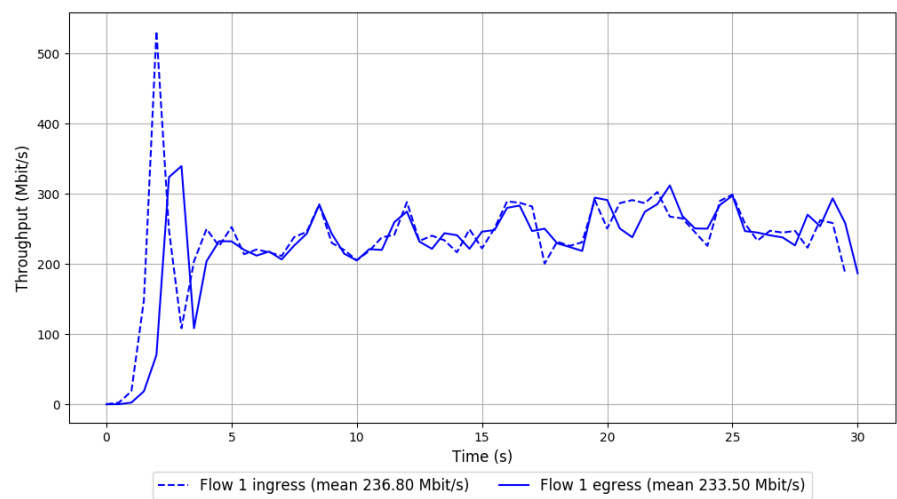
-- Flow 1:

Average throughput: 233.50 Mbit/s

95th percentile per-packet one-way delay: 122.358 ms

Loss rate: 1.39%

Run 1: Report of Verus — Data Link

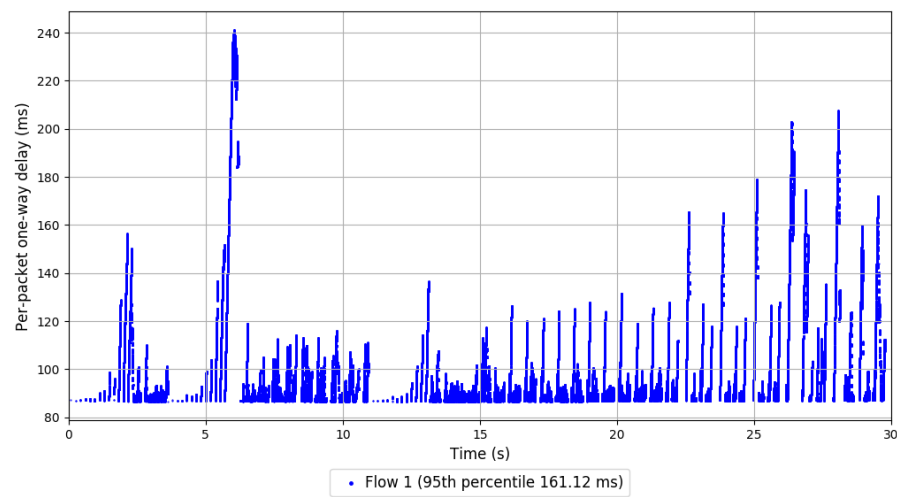
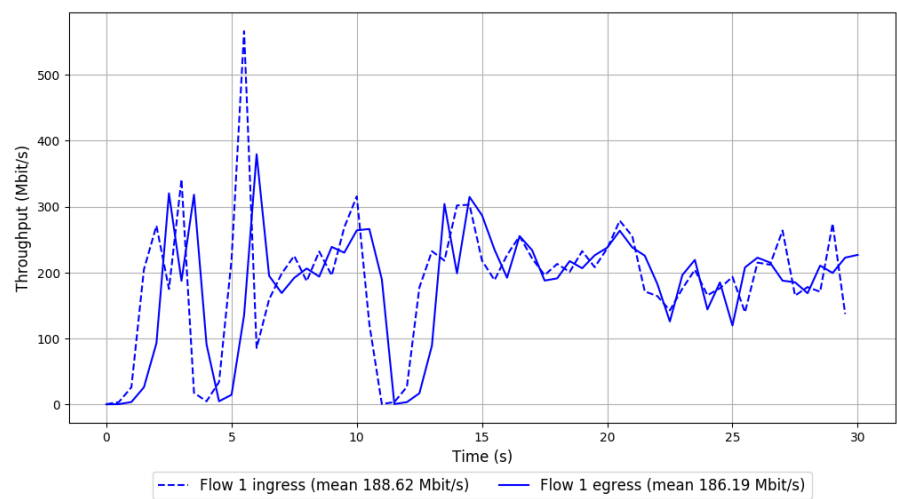


Run 2: Statistics of Verus

Start at: 2018-05-21 21:54:49
End at: 2018-05-21 21:55:19
Local clock offset: 18.497 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-05-22 02:05:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 186.19 Mbit/s
95th percentile per-packet one-way delay: 161.119 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 186.19 Mbit/s
95th percentile per-packet one-way delay: 161.119 ms
Loss rate: 1.21%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-05-21 22:15:04

End at: 2018-05-21 22:15:34

Local clock offset: 15.081 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-05-22 02:05:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 189.99 Mbit/s

95th percentile per-packet one-way delay: 176.619 ms

Loss rate: 0.86%

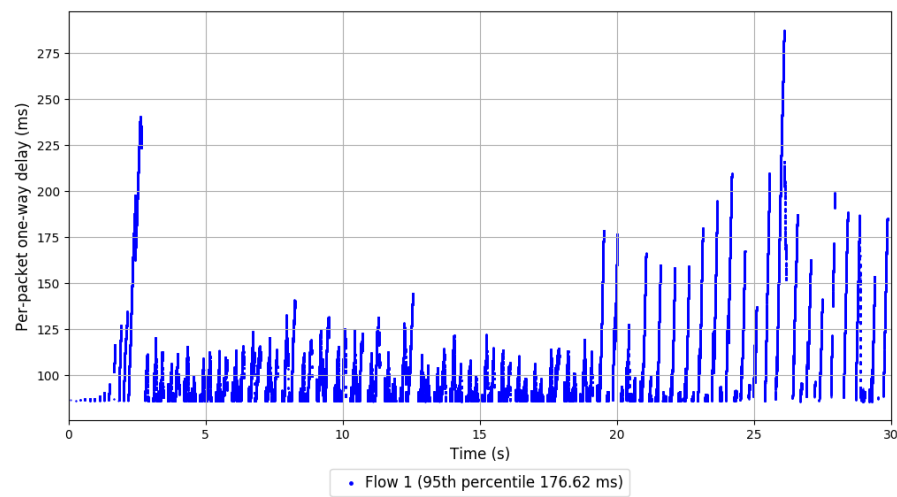
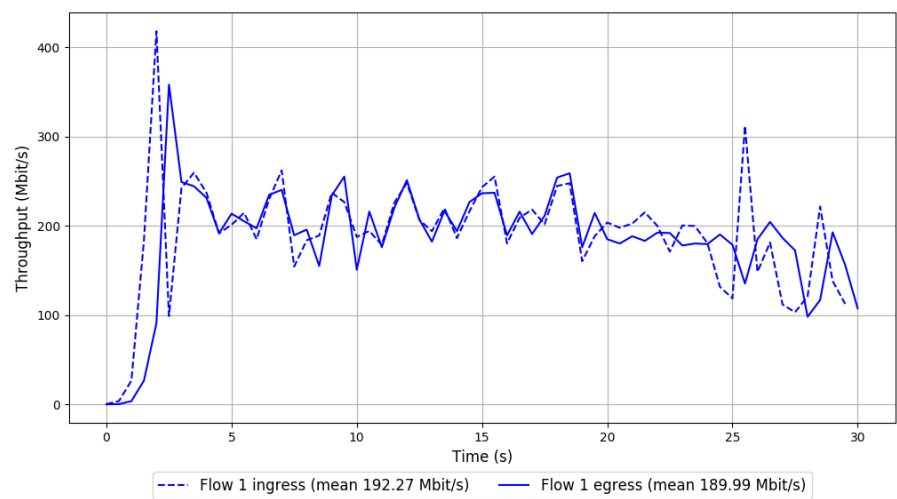
-- Flow 1:

Average throughput: 189.99 Mbit/s

95th percentile per-packet one-way delay: 176.619 ms

Loss rate: 0.86%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-05-21 22:35:32

End at: 2018-05-21 22:36:02

Local clock offset: 12.16 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-05-22 02:05:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 172.49 Mbit/s

95th percentile per-packet one-way delay: 160.267 ms

Loss rate: 0.37%

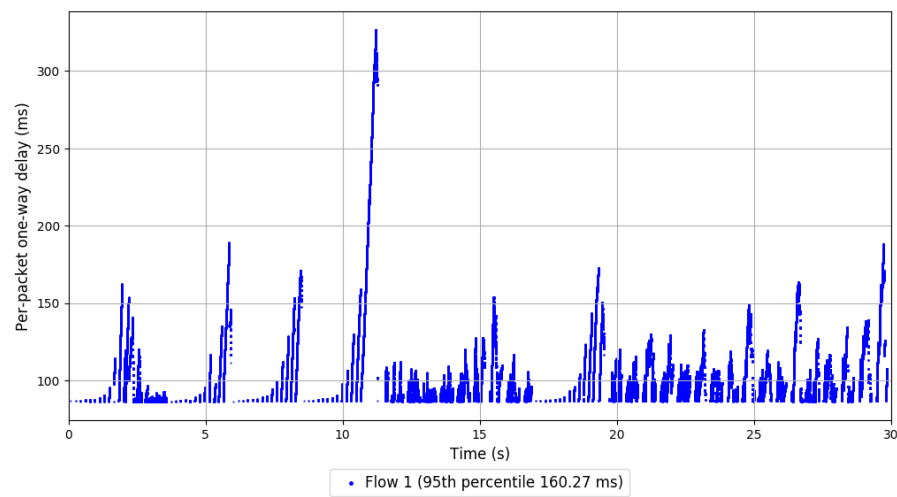
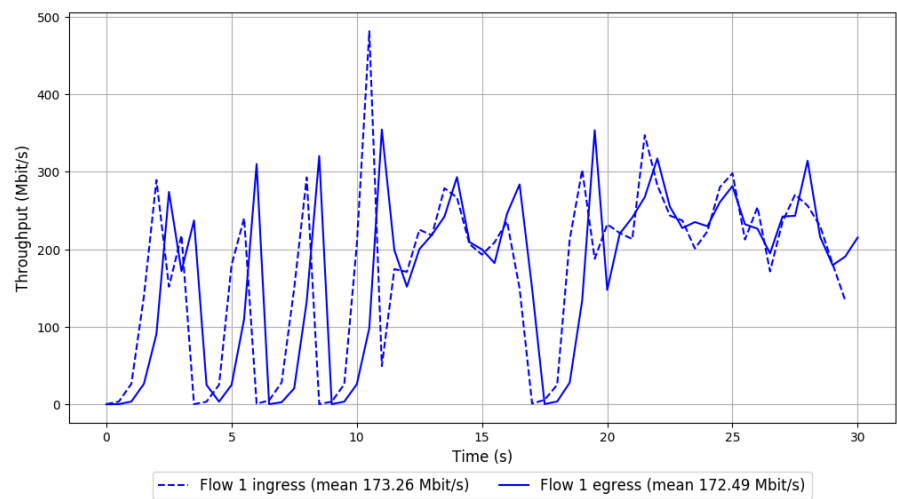
-- Flow 1:

Average throughput: 172.49 Mbit/s

95th percentile per-packet one-way delay: 160.267 ms

Loss rate: 0.37%

Run 4: Report of Verus — Data Link

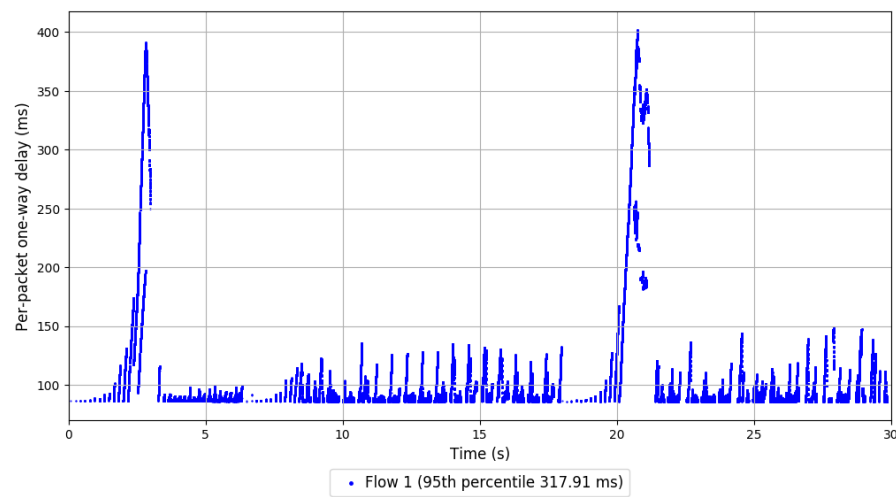
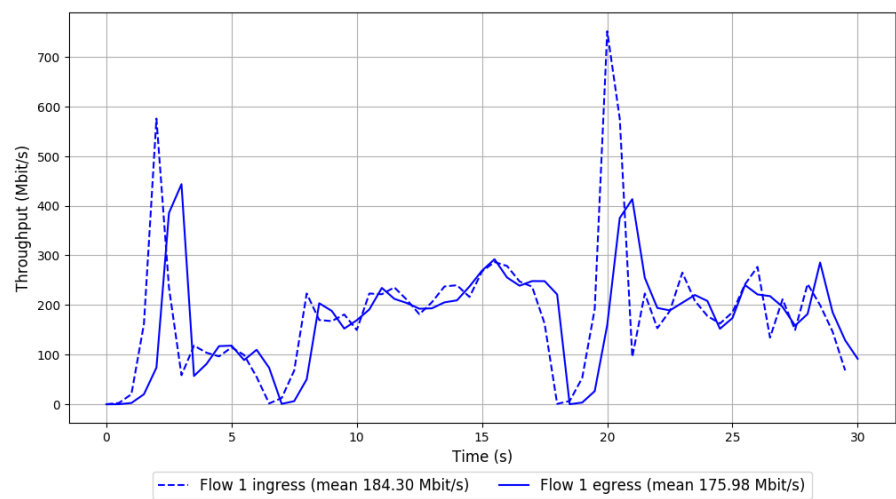


Run 5: Statistics of Verus

Start at: 2018-05-21 22:56:03
End at: 2018-05-21 22:56:33
Local clock offset: 4.233 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-05-22 02:06:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 175.98 Mbit/s
95th percentile per-packet one-way delay: 317.913 ms
Loss rate: 4.52%
-- Flow 1:
Average throughput: 175.98 Mbit/s
95th percentile per-packet one-way delay: 317.913 ms
Loss rate: 4.52%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-05-21 23:16:42

End at: 2018-05-21 23:17:12

Local clock offset: 3.313 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2018-05-22 02:06:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 182.41 Mbit/s

95th percentile per-packet one-way delay: 236.651 ms

Loss rate: 4.32%

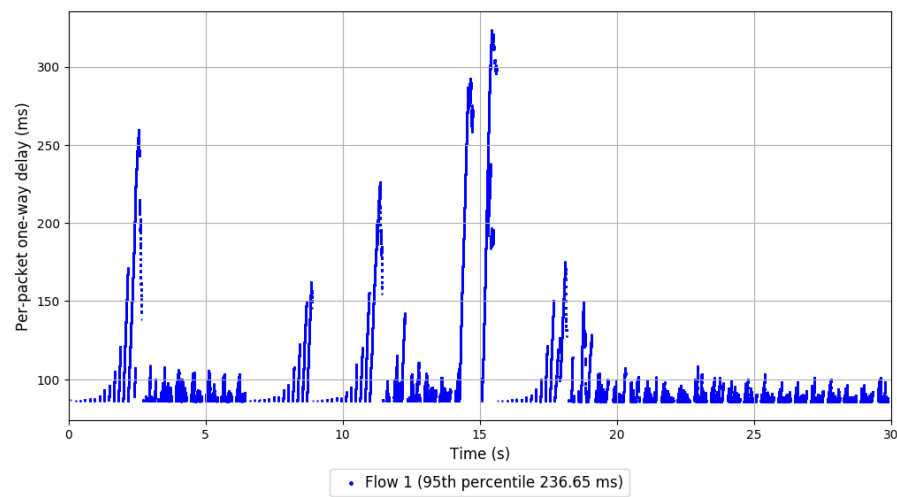
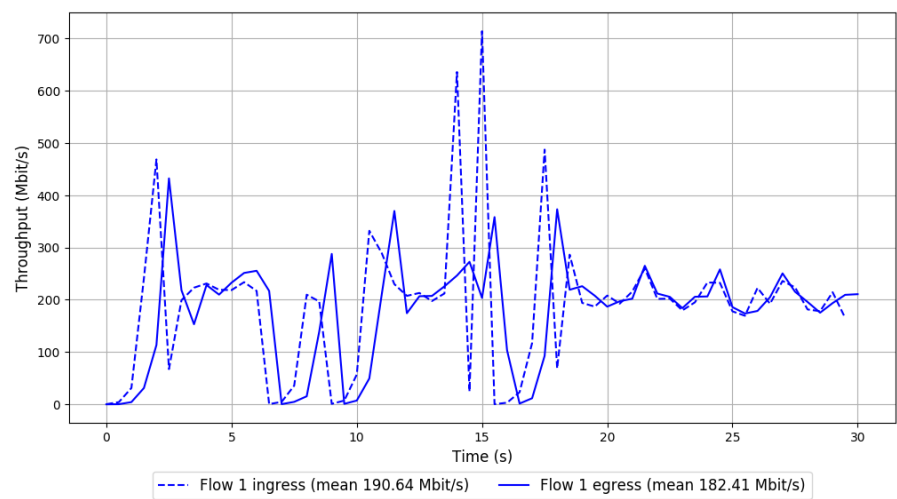
-- Flow 1:

Average throughput: 182.41 Mbit/s

95th percentile per-packet one-way delay: 236.651 ms

Loss rate: 4.32%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-05-21 23:37:15

End at: 2018-05-21 23:37:45

Local clock offset: 1.065 ms

Remote clock offset: 0.111 ms

Below is generated by plot.py at 2018-05-22 02:06:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 201.33 Mbit/s

95th percentile per-packet one-way delay: 170.620 ms

Loss rate: 2.14%

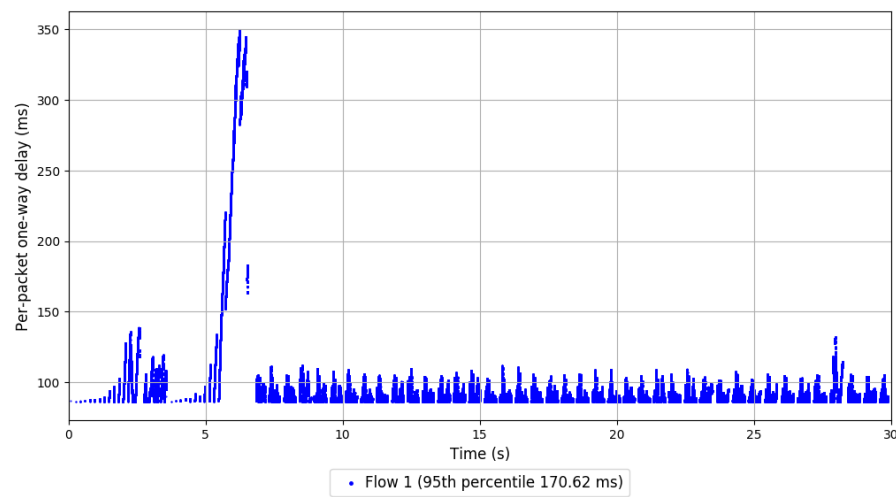
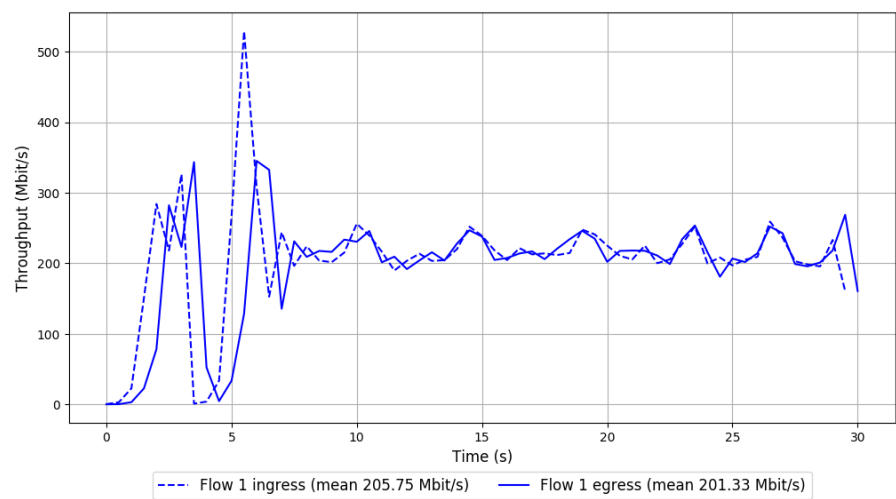
-- Flow 1:

Average throughput: 201.33 Mbit/s

95th percentile per-packet one-way delay: 170.620 ms

Loss rate: 2.14%

Run 7: Report of Verus — Data Link

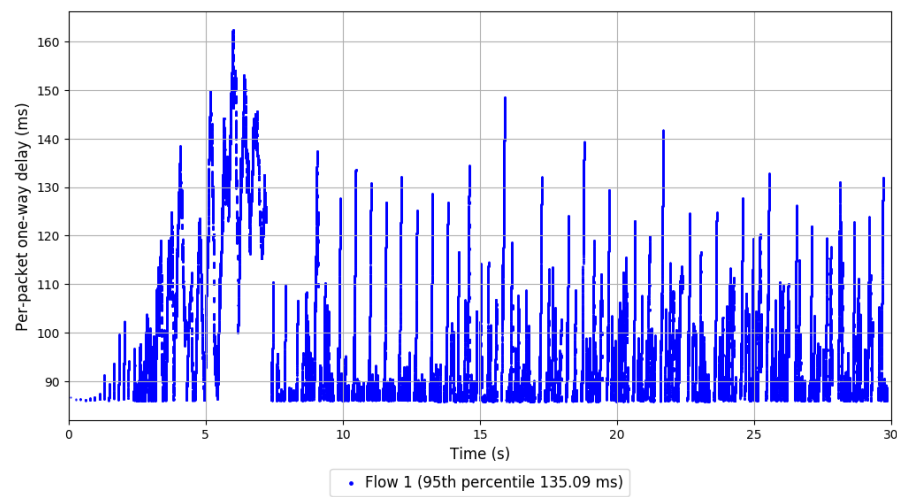
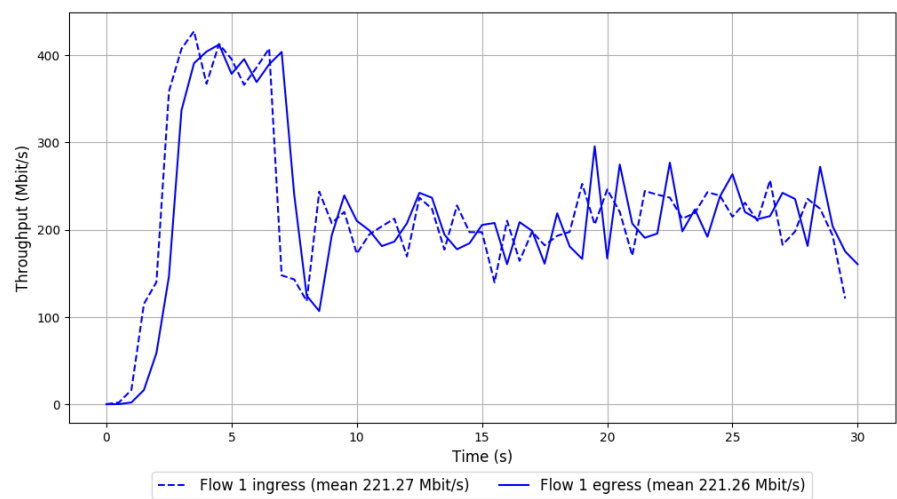


Run 8: Statistics of Verus

Start at: 2018-05-21 23:57:55
End at: 2018-05-21 23:58:25
Local clock offset: 0.967 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-05-22 02:07:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.26 Mbit/s
95th percentile per-packet one-way delay: 135.086 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 221.26 Mbit/s
95th percentile per-packet one-way delay: 135.086 ms
Loss rate: 0.00%

Run 8: Report of Verus — Data Link

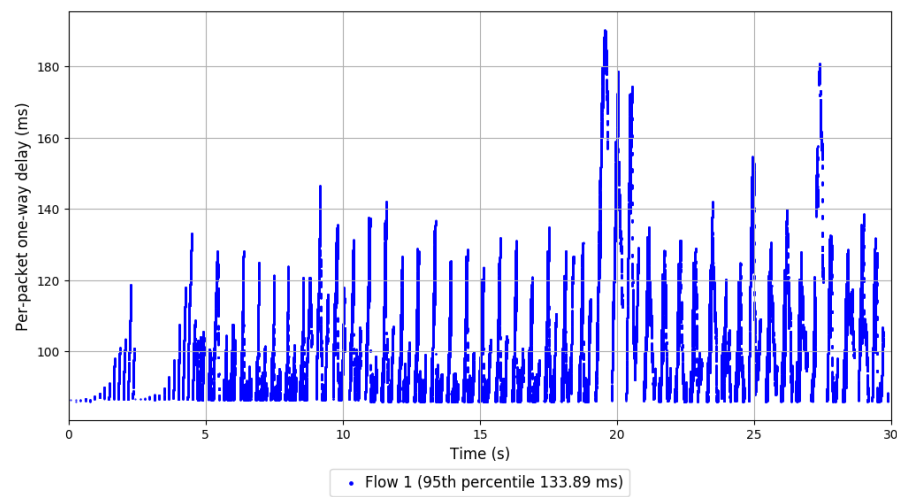
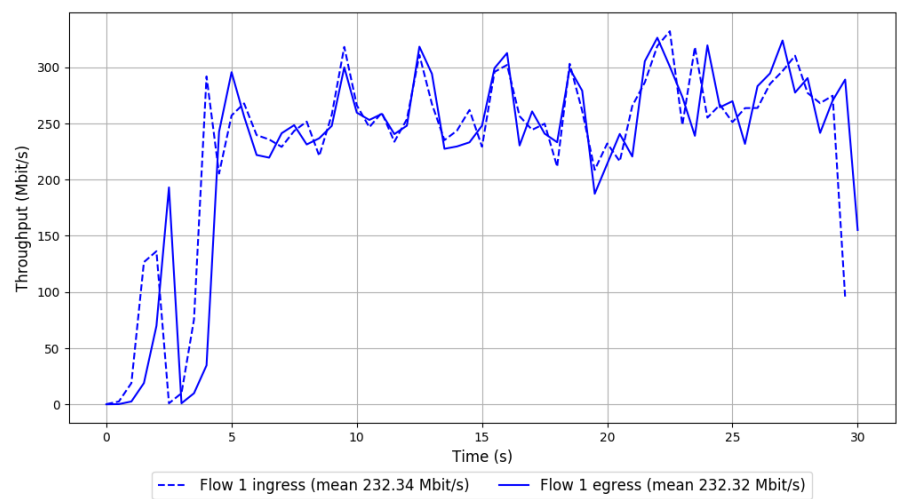


Run 9: Statistics of Verus

Start at: 2018-05-22 00:18:27
End at: 2018-05-22 00:18:57
Local clock offset: 0.925 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-05-22 02:09:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 232.32 Mbit/s
95th percentile per-packet one-way delay: 133.892 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 232.32 Mbit/s
95th percentile per-packet one-way delay: 133.892 ms
Loss rate: 0.00%

Run 9: Report of Verus — Data Link

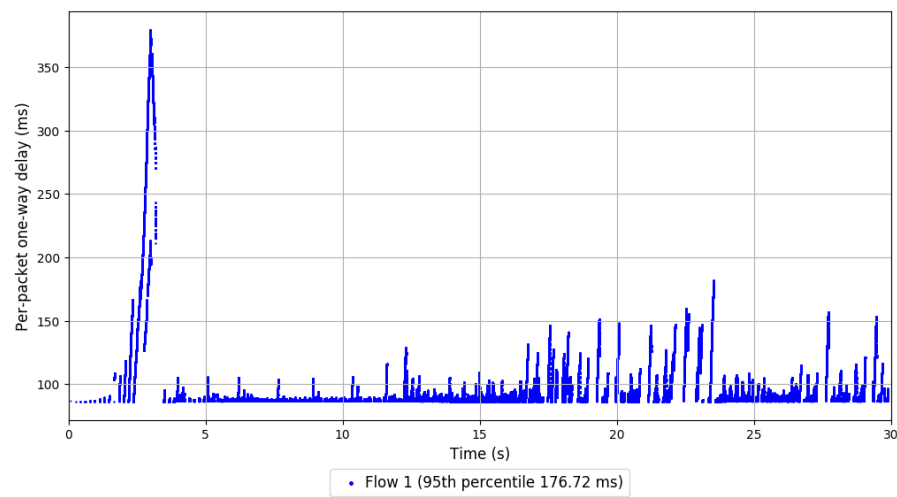
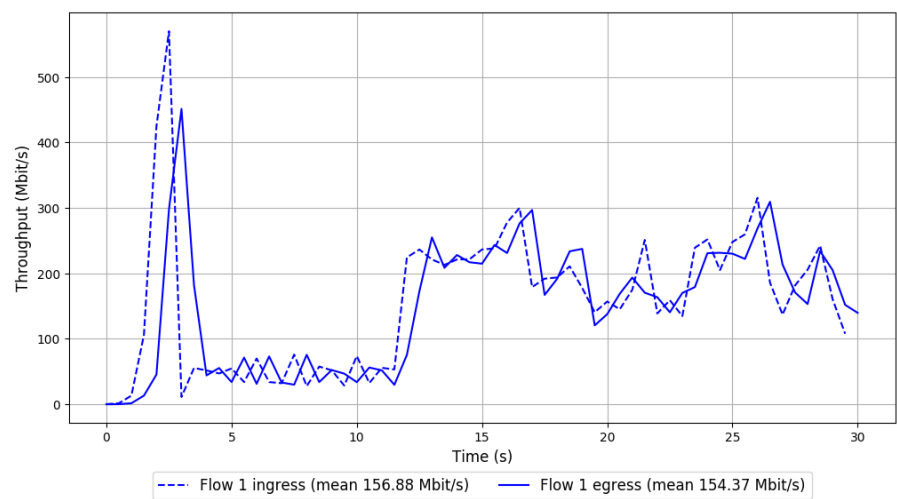


Run 10: Statistics of Verus

Start at: 2018-05-22 00:39:14
End at: 2018-05-22 00:39:44
Local clock offset: 0.234 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-05-22 02:09:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 154.37 Mbit/s
95th percentile per-packet one-way delay: 176.716 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 154.37 Mbit/s
95th percentile per-packet one-way delay: 176.716 ms
Loss rate: 1.60%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-05-21 21:32:53

End at: 2018-05-21 21:33:23

Local clock offset: 17.784 ms

Remote clock offset: 0.219 ms

Below is generated by plot.py at 2018-05-22 02:10:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 241.14 Mbit/s

95th percentile per-packet one-way delay: 89.283 ms

Loss rate: 0.00%

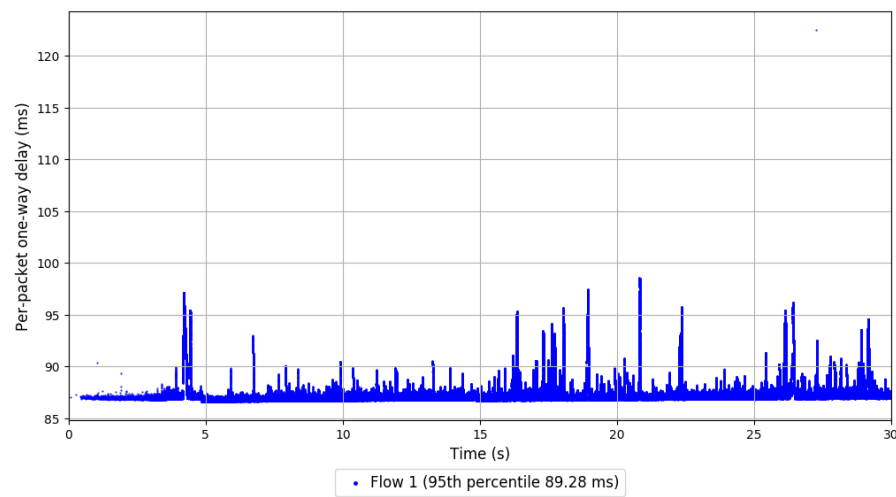
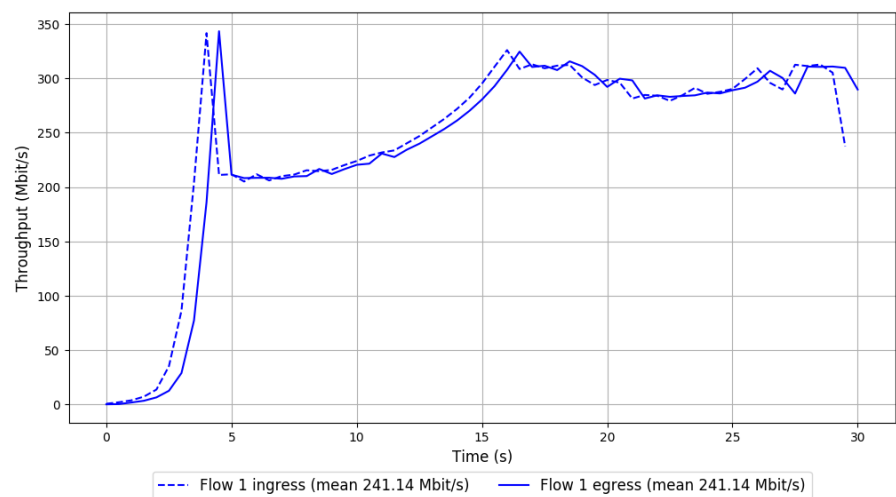
-- Flow 1:

Average throughput: 241.14 Mbit/s

95th percentile per-packet one-way delay: 89.283 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-05-21 21:53:24

End at: 2018-05-21 21:53:54

Local clock offset: 17.531 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-05-22 02:10:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 264.11 Mbit/s

95th percentile per-packet one-way delay: 92.646 ms

Loss rate: 0.00%

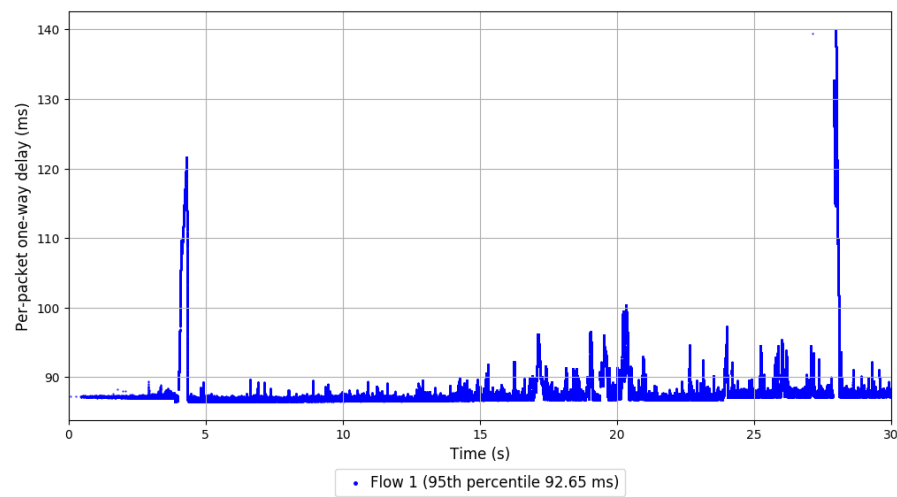
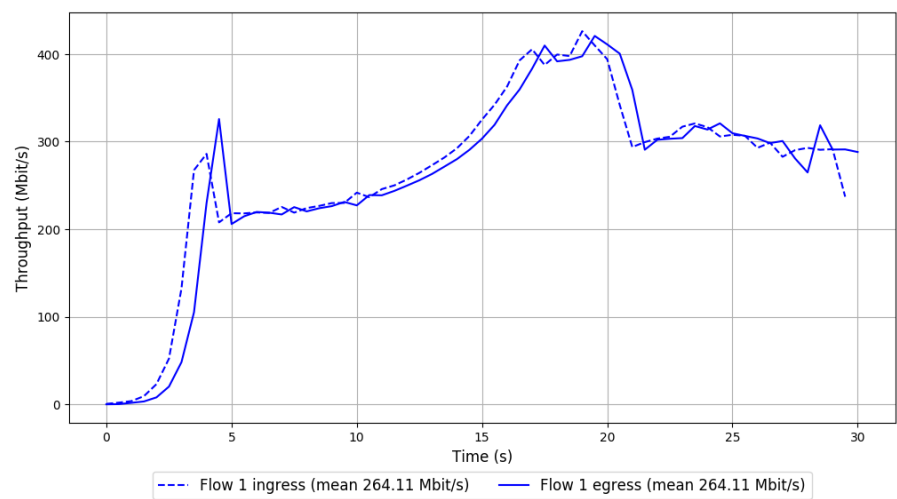
-- Flow 1:

Average throughput: 264.11 Mbit/s

95th percentile per-packet one-way delay: 92.646 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link

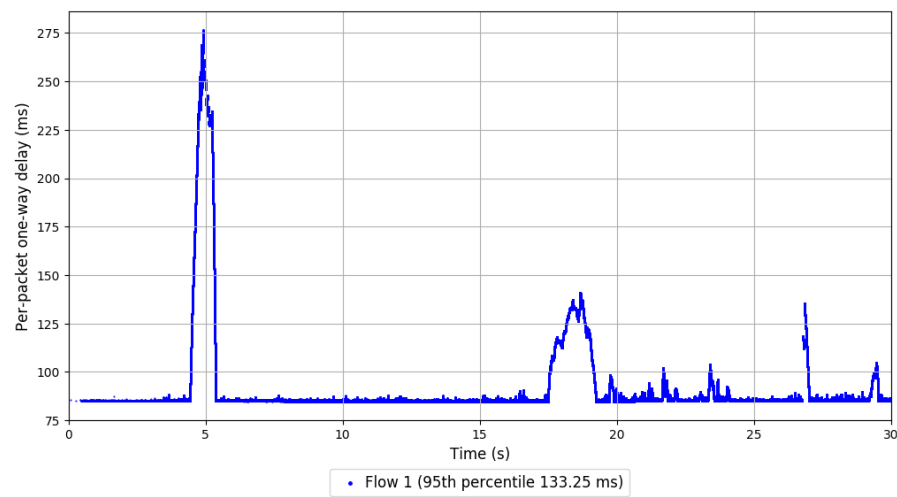
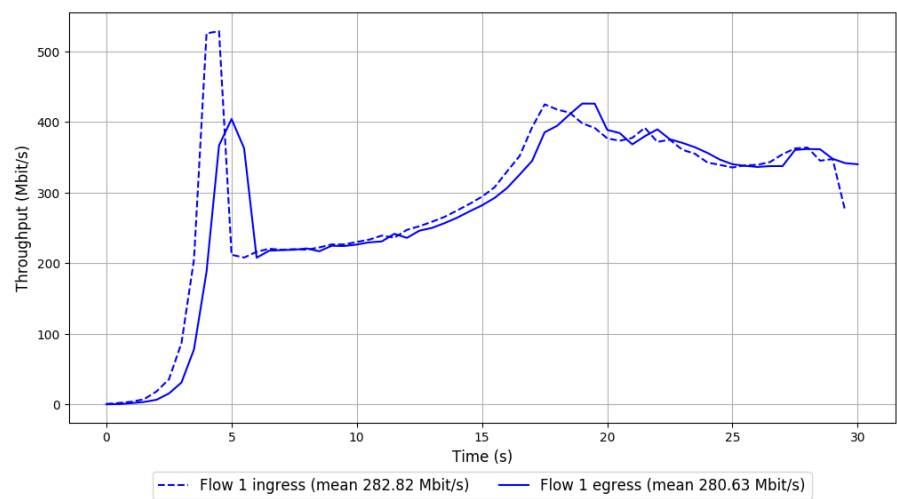


Run 3: Statistics of PCC-Vivace

Start at: 2018-05-21 22:13:38
End at: 2018-05-21 22:14:08
Local clock offset: 17.213 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-05-22 02:10:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 280.63 Mbit/s
95th percentile per-packet one-way delay: 133.254 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 280.63 Mbit/s
95th percentile per-packet one-way delay: 133.254 ms
Loss rate: 0.77%

Run 3: Report of PCC-Vivace — Data Link

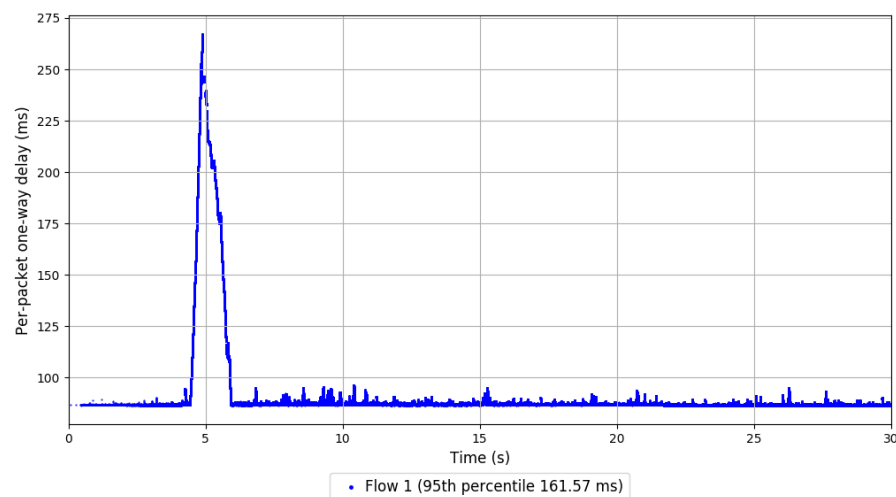
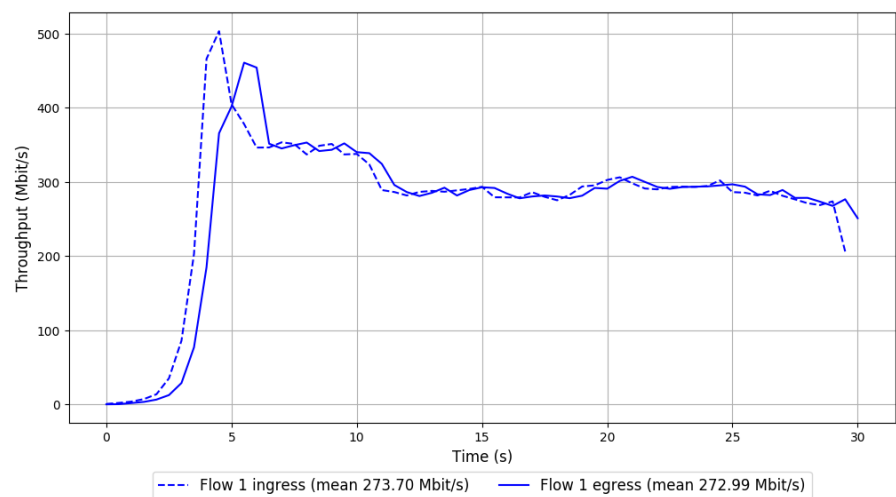


Run 4: Statistics of PCC-Vivace

Start at: 2018-05-21 22:34:06
End at: 2018-05-21 22:34:36
Local clock offset: 11.703 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-05-22 02:10:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 272.99 Mbit/s
95th percentile per-packet one-way delay: 161.569 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 272.99 Mbit/s
95th percentile per-packet one-way delay: 161.569 ms
Loss rate: 0.26%

Run 4: Report of PCC-Vivace — Data Link

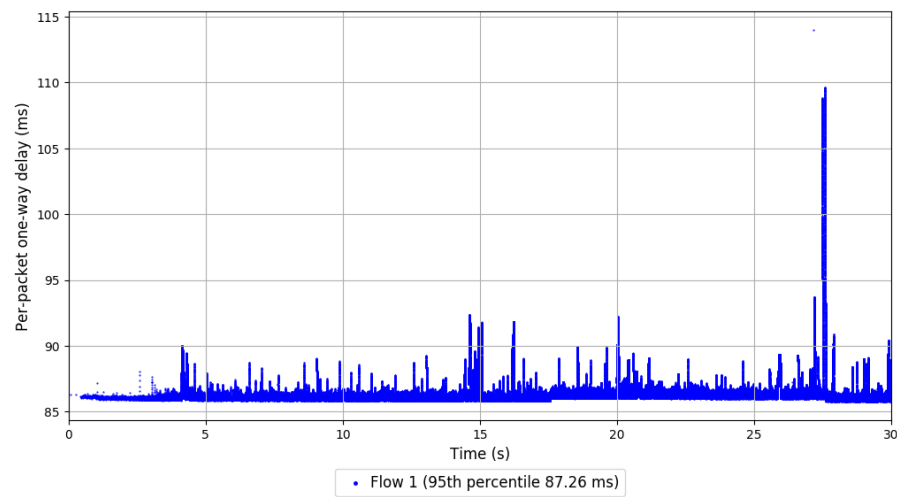
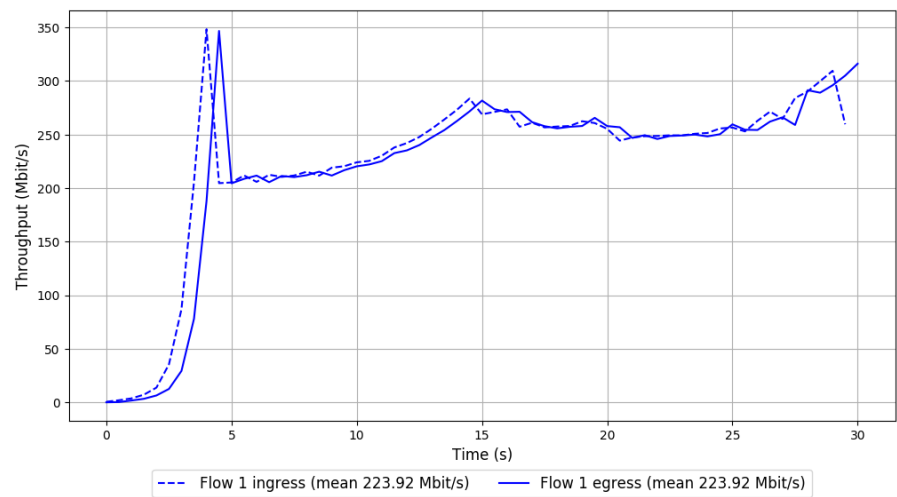


Run 5: Statistics of PCC-Vivace

Start at: 2018-05-21 22:54:41
End at: 2018-05-21 22:55:11
Local clock offset: 4.403 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-05-22 02:10:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 223.92 Mbit/s
95th percentile per-packet one-way delay: 87.256 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 223.92 Mbit/s
95th percentile per-packet one-way delay: 87.256 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-05-21 23:15:13

End at: 2018-05-21 23:15:43

Local clock offset: 3.343 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-05-22 02:12:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 323.54 Mbit/s

95th percentile per-packet one-way delay: 126.276 ms

Loss rate: 0.08%

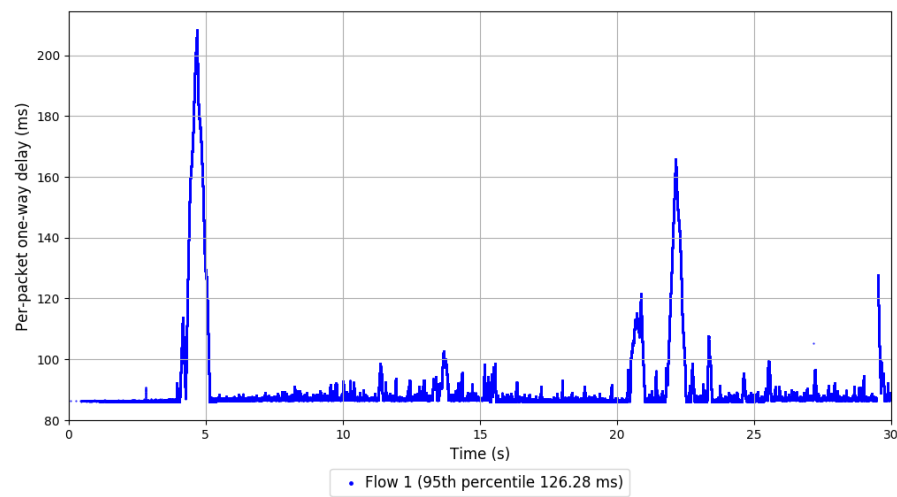
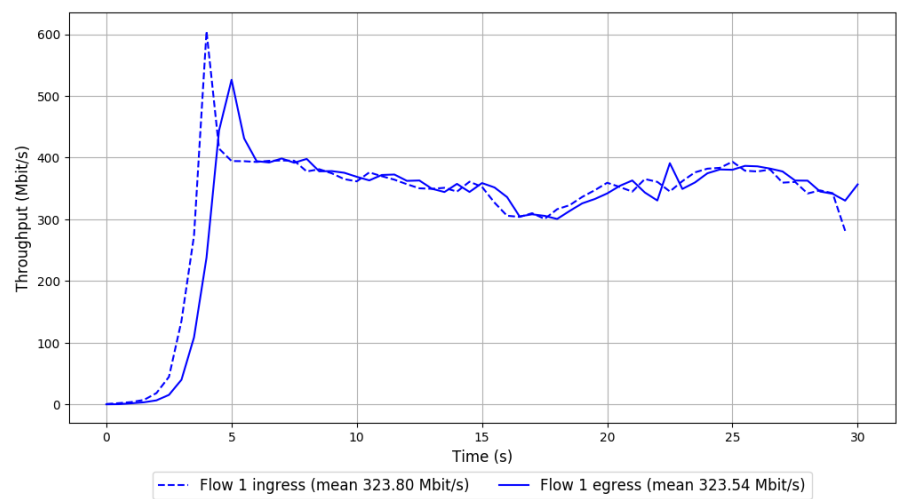
-- Flow 1:

Average throughput: 323.54 Mbit/s

95th percentile per-packet one-way delay: 126.276 ms

Loss rate: 0.08%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-05-21 23:35:49

End at: 2018-05-21 23:36:19

Local clock offset: 1.1 ms

Remote clock offset: 0.118 ms

Below is generated by plot.py at 2018-05-22 02:12:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 274.37 Mbit/s

95th percentile per-packet one-way delay: 98.246 ms

Loss rate: 0.48%

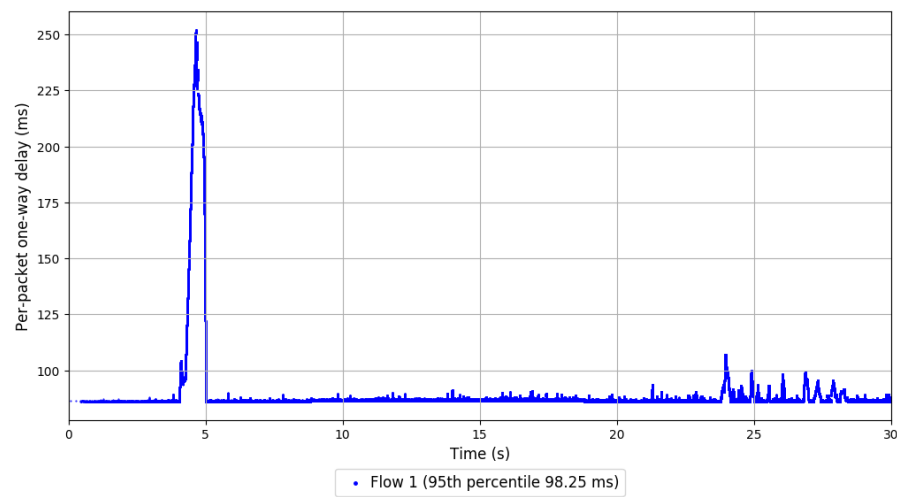
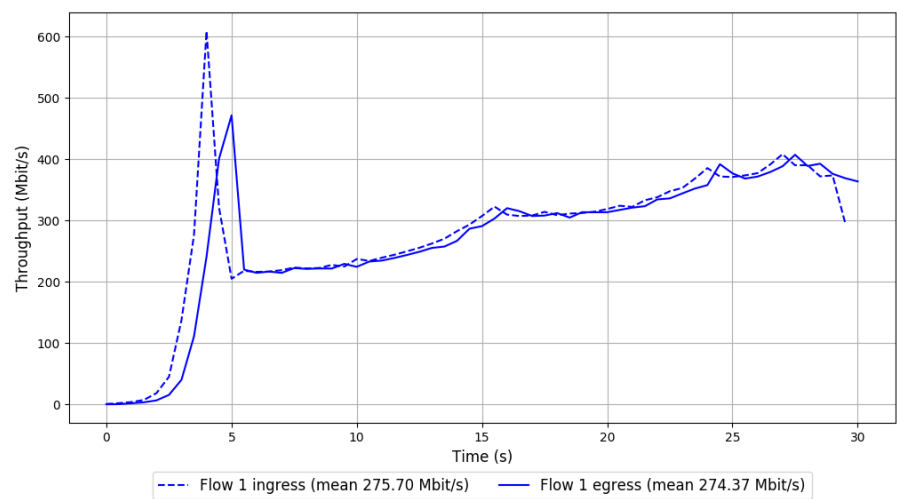
-- Flow 1:

Average throughput: 274.37 Mbit/s

95th percentile per-packet one-way delay: 98.246 ms

Loss rate: 0.48%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-05-21 23:56:30

End at: 2018-05-21 23:57:00

Local clock offset: 0.76 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-05-22 02:12:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 265.18 Mbit/s

95th percentile per-packet one-way delay: 110.663 ms

Loss rate: 0.48%

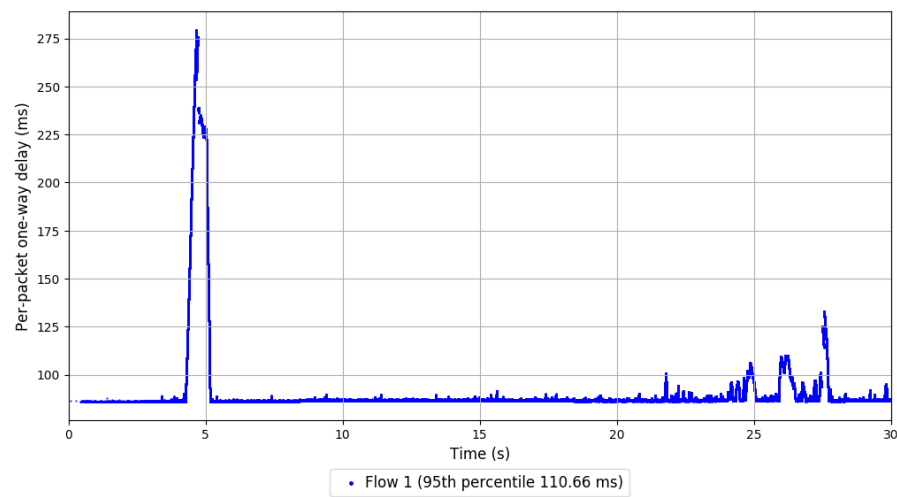
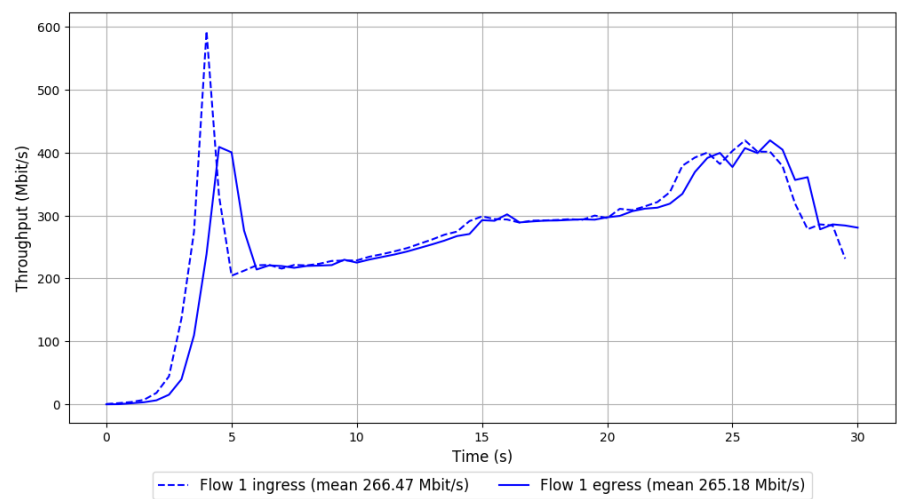
-- Flow 1:

Average throughput: 265.18 Mbit/s

95th percentile per-packet one-way delay: 110.663 ms

Loss rate: 0.48%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-05-22 00:17:02

End at: 2018-05-22 00:17:32

Local clock offset: 0.486 ms

Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-05-22 02:12:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 268.57 Mbit/s

95th percentile per-packet one-way delay: 91.422 ms

Loss rate: 0.00%

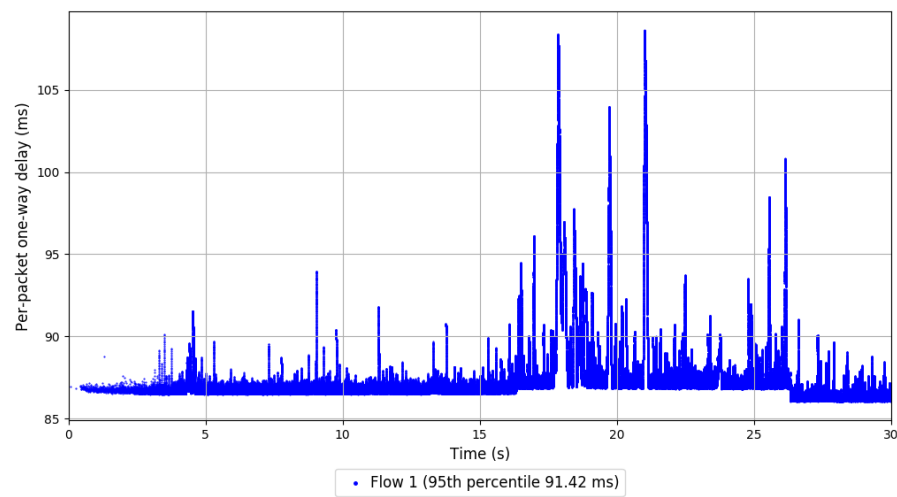
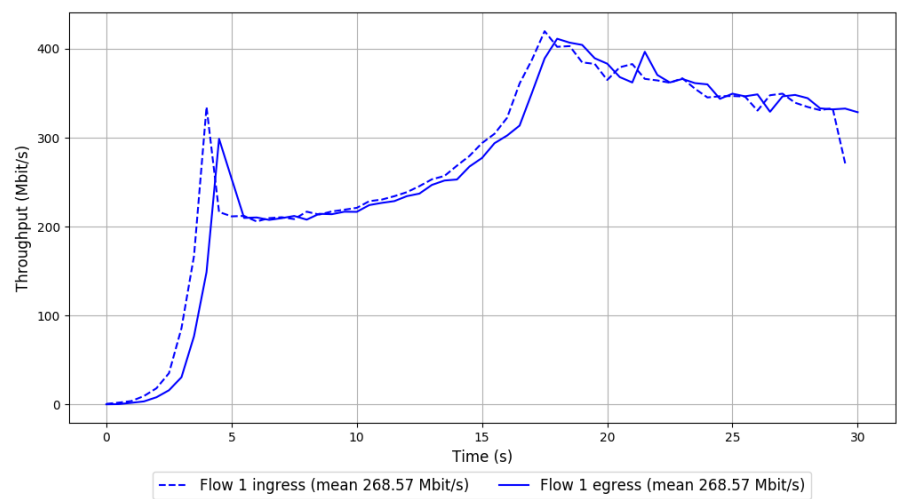
-- Flow 1:

Average throughput: 268.57 Mbit/s

95th percentile per-packet one-way delay: 91.422 ms

Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-05-22 00:37:45

End at: 2018-05-22 00:38:15

Local clock offset: 0.483 ms

Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-05-22 02:12:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 323.92 Mbit/s

95th percentile per-packet one-way delay: 118.650 ms

Loss rate: 0.00%

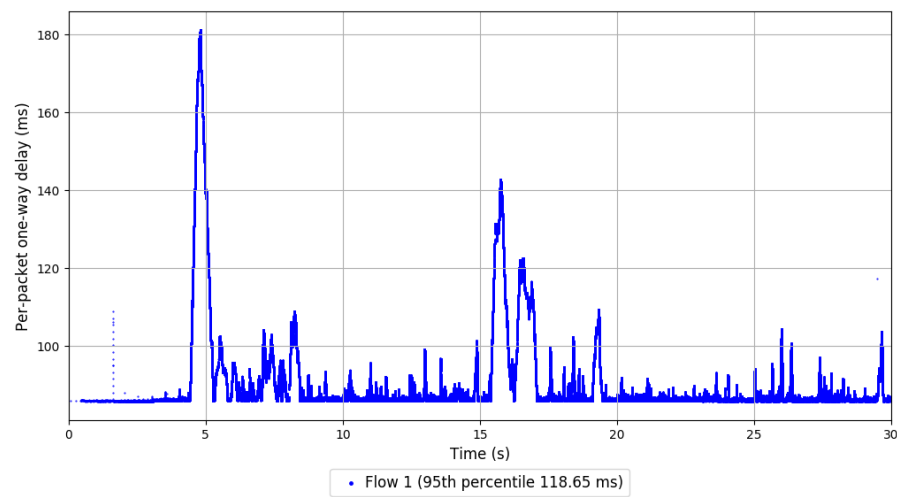
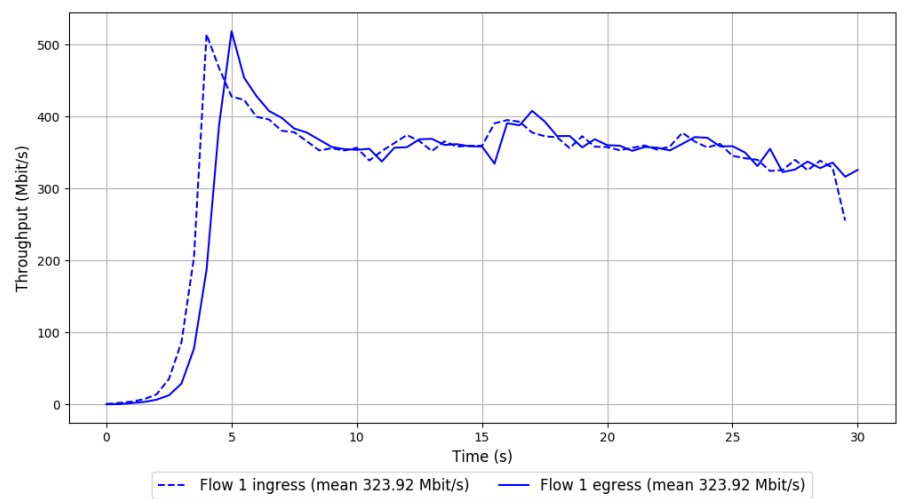
-- Flow 1:

Average throughput: 323.92 Mbit/s

95th percentile per-packet one-way delay: 118.650 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

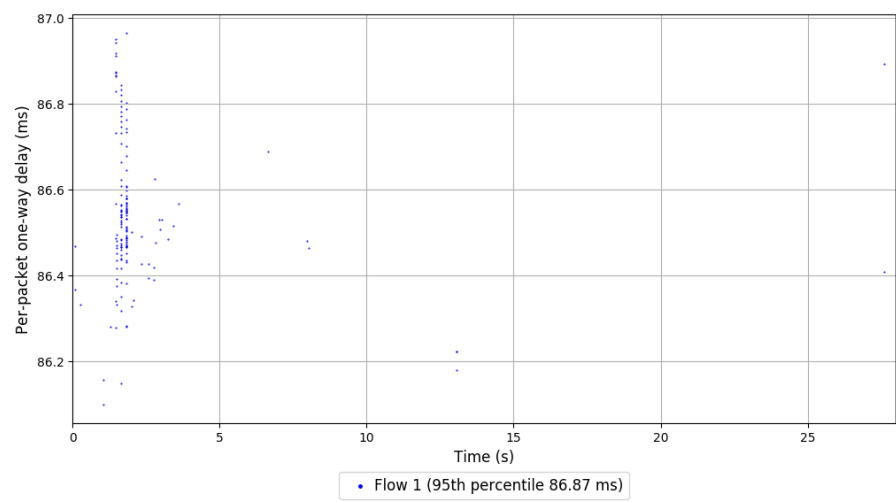
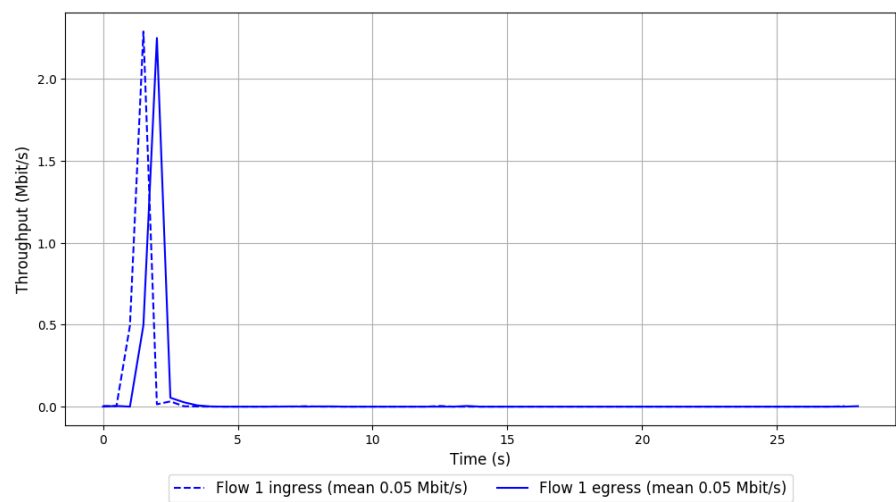


```
Run 1: Statistics of WebRTC media

Start at: 2018-05-21 21:43:26
End at: 2018-05-21 21:43:56
Local clock offset: 13.965 ms
Remote clock offset: 0.075 ms

# Below is generated by plot.py at 2018-05-22 02:12:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.866 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.866 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

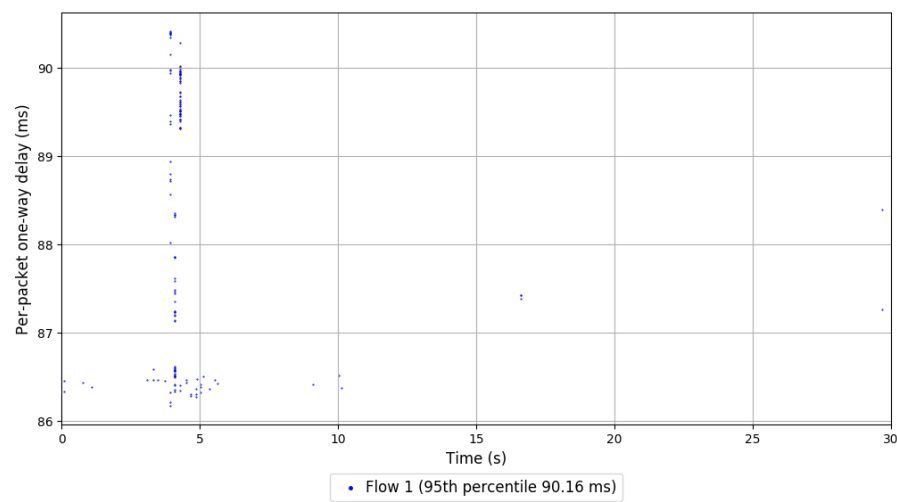
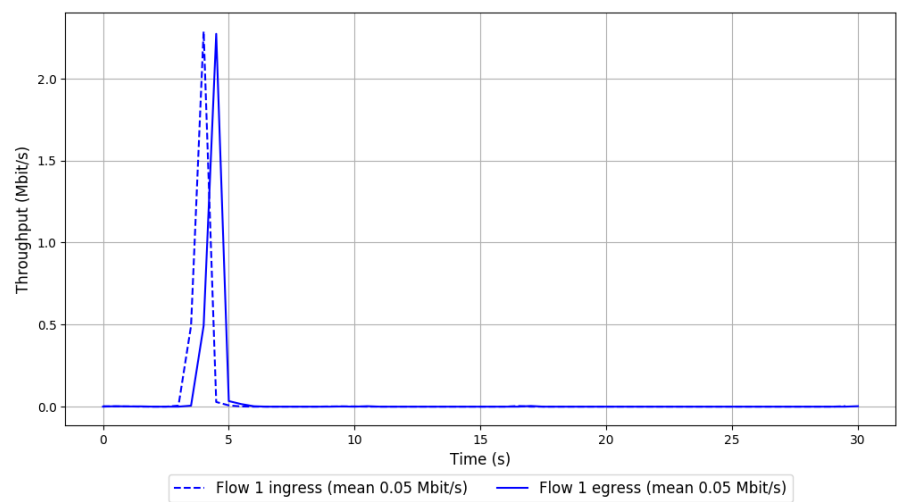


Run 2: Statistics of WebRTC media

Start at: 2018-05-21 22:03:45
End at: 2018-05-21 22:04:15
Local clock offset: 24.894 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-05-22 02:12:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 90.157 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 90.157 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

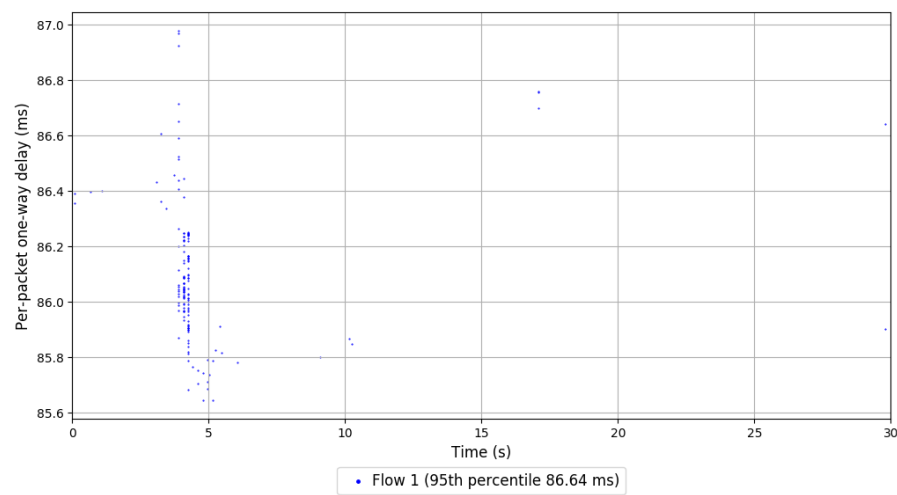
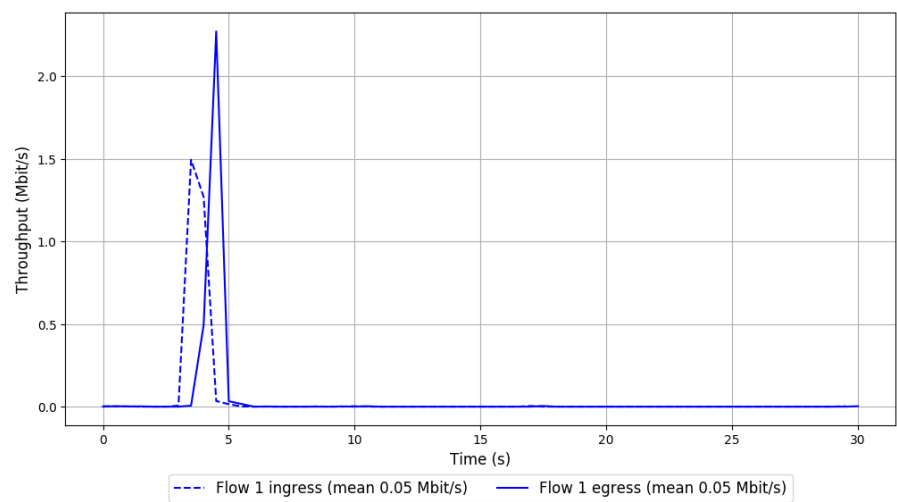


Run 3: Statistics of WebRTC media

Start at: 2018-05-21 22:24:07
End at: 2018-05-21 22:24:37
Local clock offset: 10.977 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-05-22 02:12:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.642 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.642 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-05-21 22:44:35

End at: 2018-05-21 22:45:05

Local clock offset: 10.904 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-05-22 02:12:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 86.199 ms

Loss rate: 0.00%

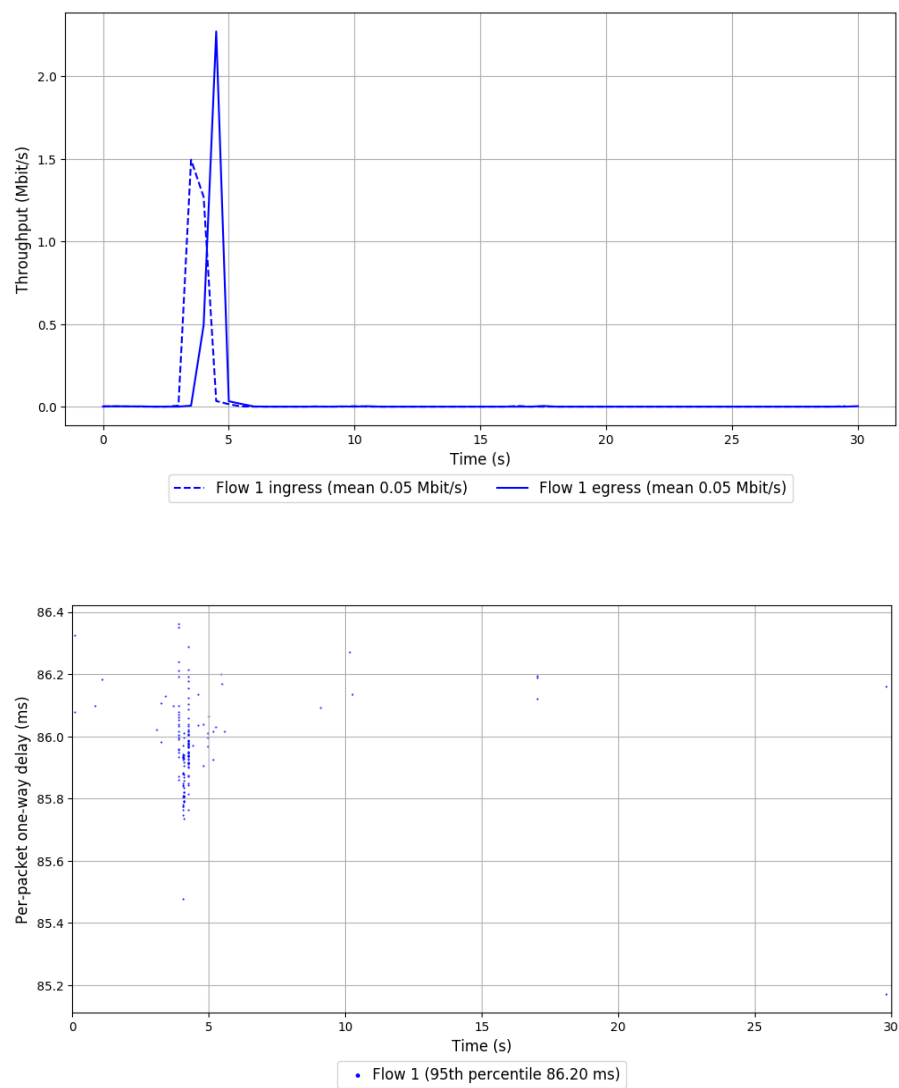
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 86.199 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

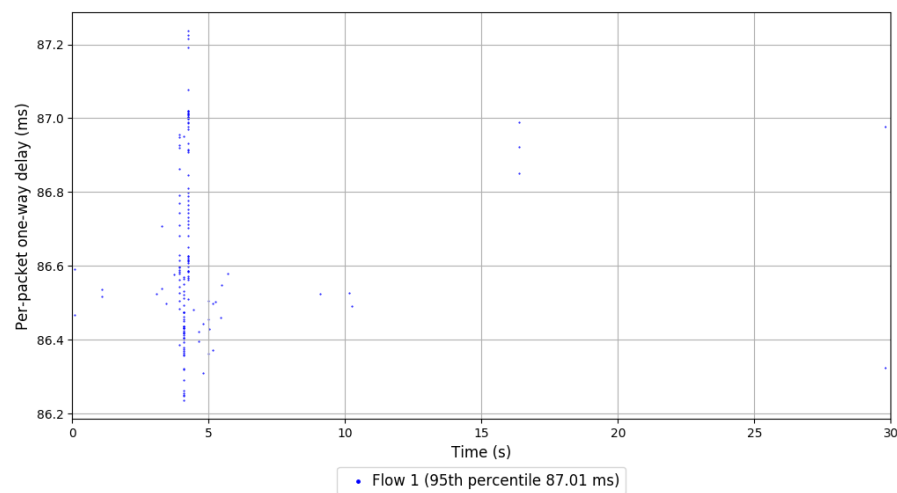
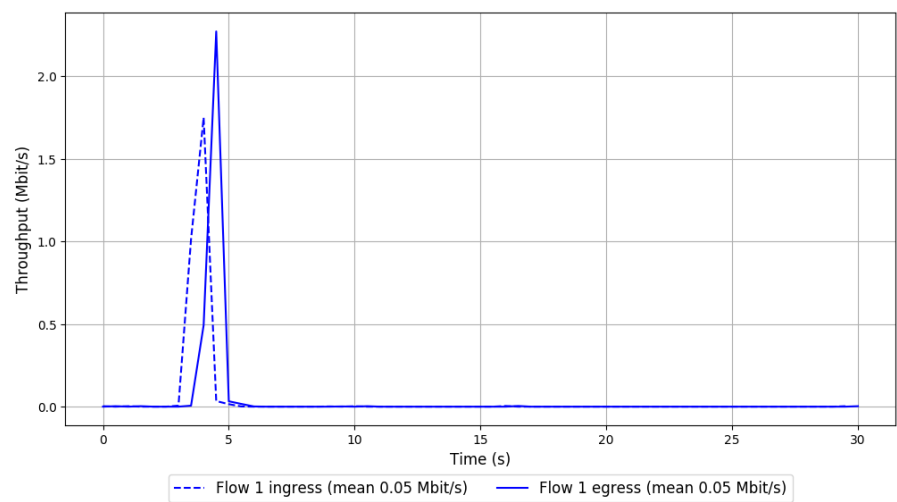


Run 5: Statistics of WebRTC media

Start at: 2018-05-21 23:05:07
End at: 2018-05-21 23:05:37
Local clock offset: 3.018 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-05-22 02:12:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 87.014 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 87.014 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-05-21 23:25:47

End at: 2018-05-21 23:26:17

Local clock offset: 1.578 ms

Remote clock offset: 0.127 ms

Below is generated by plot.py at 2018-05-22 02:12:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 86.932 ms

Loss rate: 0.00%

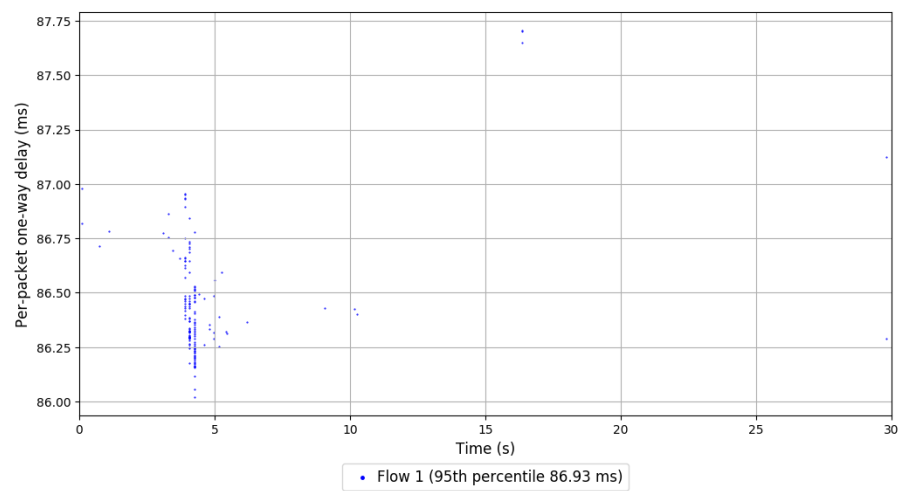
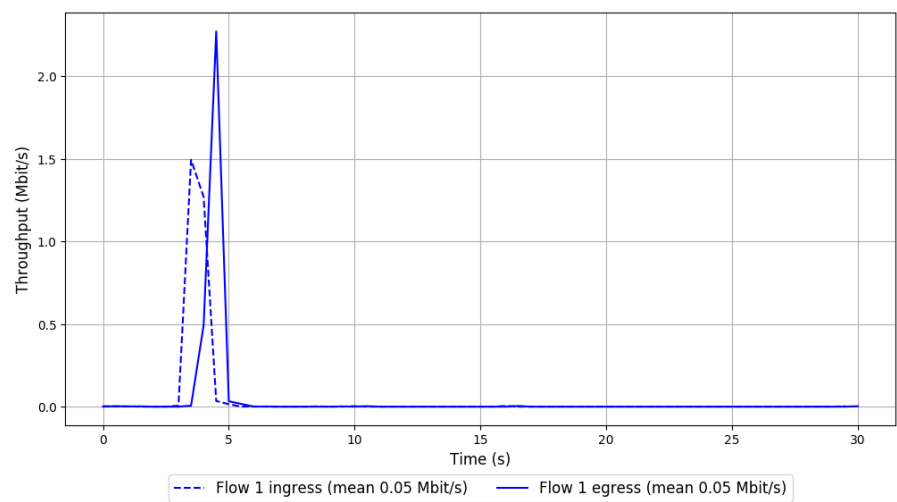
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 86.932 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-05-21 23:46:26

End at: 2018-05-21 23:46:56

Local clock offset: 0.984 ms

Remote clock offset: 0.088 ms

Below is generated by plot.py at 2018-05-22 02:12:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 87.317 ms

Loss rate: 0.00%

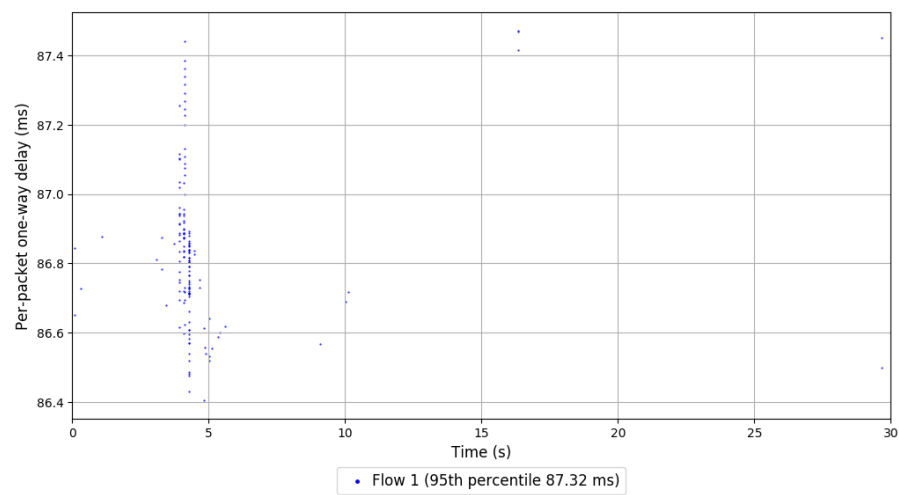
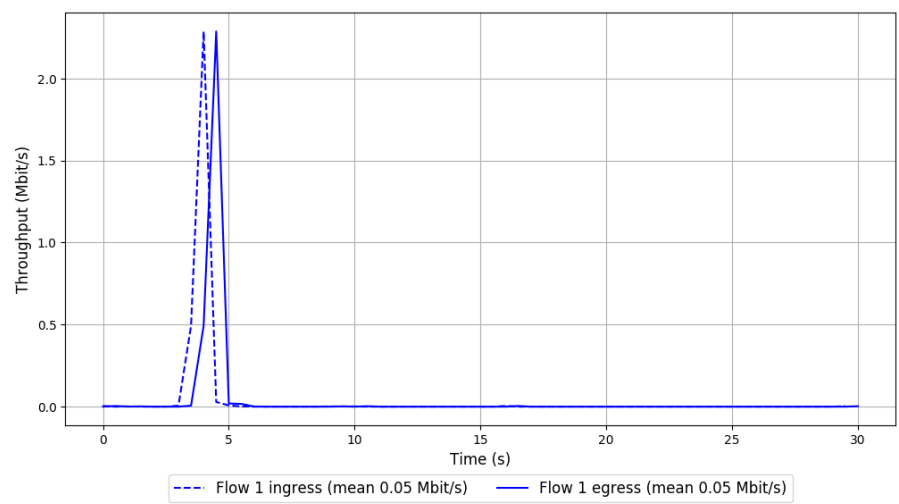
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 87.317 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

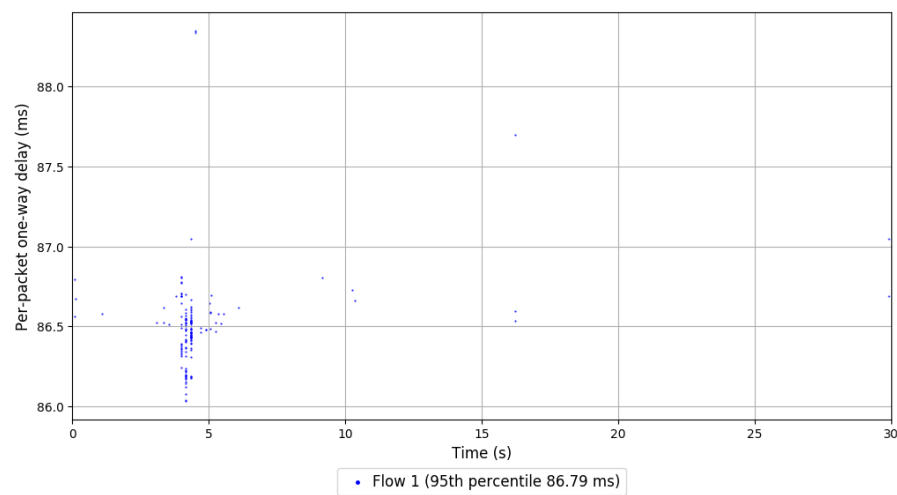
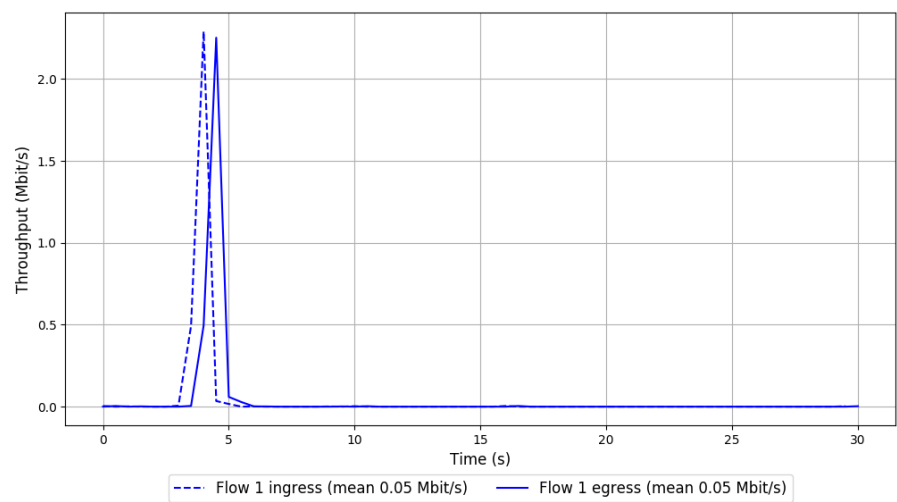


Run 8: Statistics of WebRTC media

Start at: 2018-05-22 00:06:52
End at: 2018-05-22 00:07:22
Local clock offset: 0.663 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-05-22 02:12:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.793 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.793 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

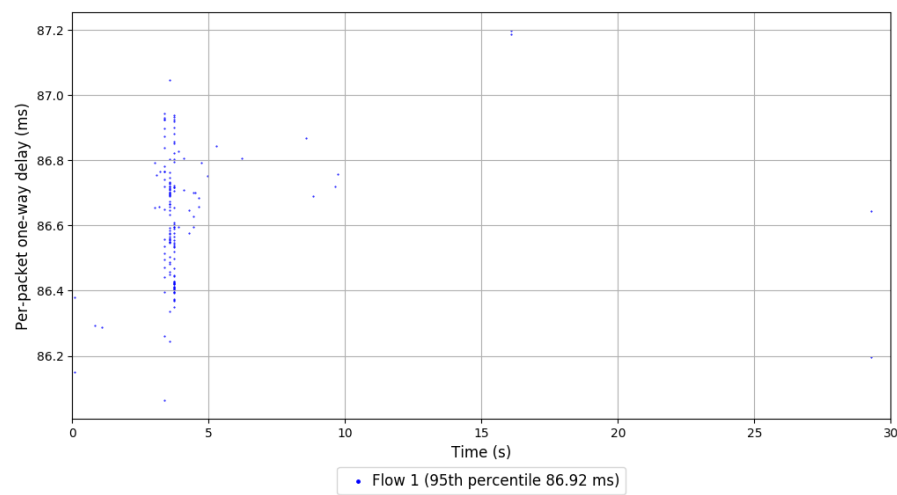
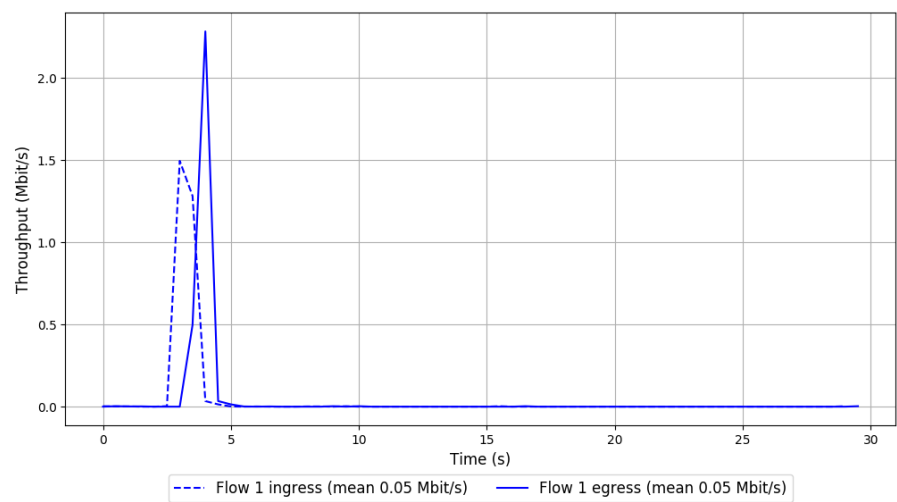


Run 9: Statistics of WebRTC media

Start at: 2018-05-22 00:27:39
End at: 2018-05-22 00:28:09
Local clock offset: 0.554 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-05-22 02:12:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.924 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.924 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-05-22 00:48:17

End at: 2018-05-22 00:48:47

Local clock offset: 0.263 ms

Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-05-22 02:12:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 87.107 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 87.107 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

