

Pantheon Report

Generated at 2018-07-17 12:31:41 (UTC).

Data path: AWS Brazil 2 Ethernet (*local*) → Colombia Ethernet (*remote*).

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

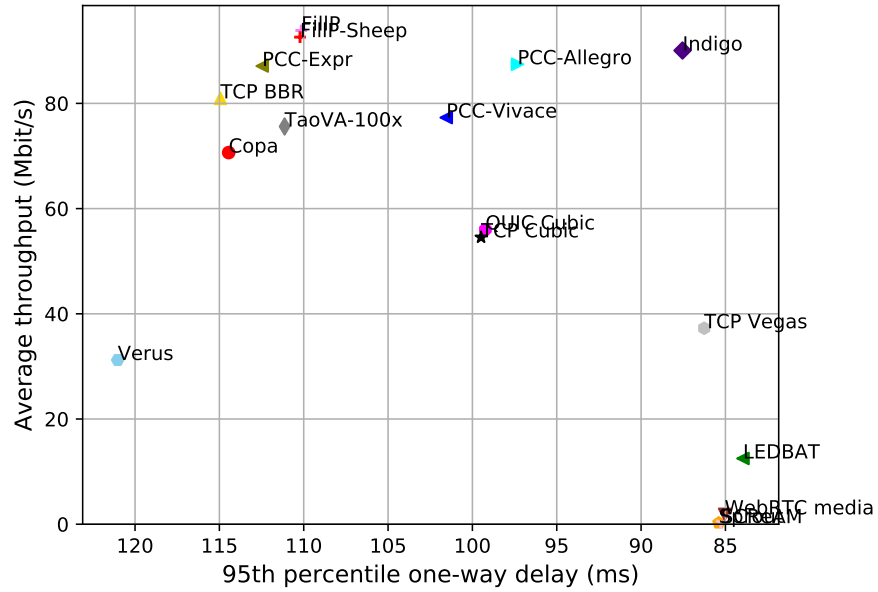
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

NTP offsets were measured against `gps.ntp.br` and have been applied to correct the timestamps in logs.

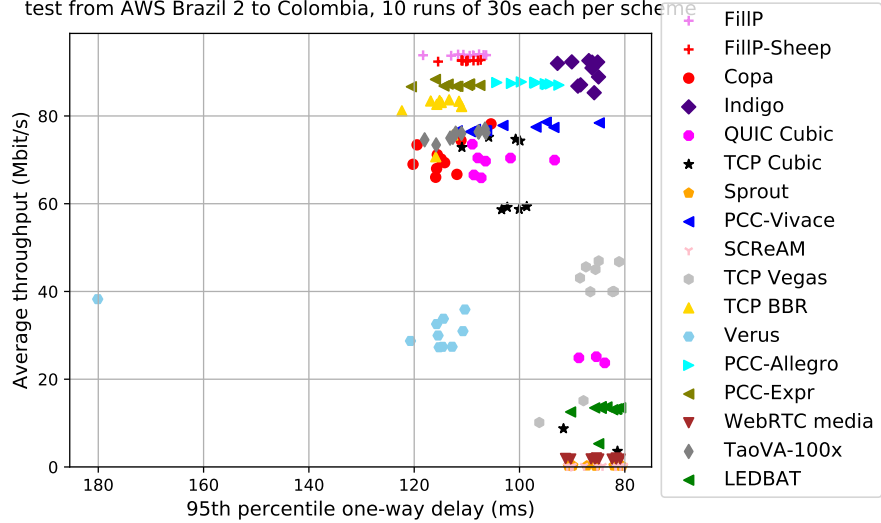
Git summary:

```
branch: master @ f7befc2d8410f41949e0ad8143a9aab40bab7edb
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from AWS Brazil 2 to Colombia, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from AWS Brazil 2 to Colombia, 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	80.94	114.94	3.64
Copa	10	70.65	114.45	4.92
TCP Cubic	10	54.54	99.49	0.38
FillP	10	93.86	110.15	7.54
FillP-Sheep	10	92.60	110.22	2.14
Indigo	10	90.05	87.54	0.90
LEDBAT	10	12.50	83.96	0.01
PCC-Allegro	10	87.44	97.33	1.42
PCC-Expr	10	87.10	112.46	2.31
QUIC Cubic	10	56.02	99.23	0.50
SCReAM	10	0.20	85.27	0.01
Sprout	10	0.26	85.40	0.01
TaoVA-100x	10	75.61	111.13	0.66
TCP Vegas	10	37.26	86.26	0.44
Verus	10	31.22	121.03	21.18
PCC-Vivace	10	77.30	101.55	0.10
WebRTC media	10	1.87	85.05	0.02

Run 1: Statistics of TCP BBR

Start at: 2018-07-17 09:01:24

End at: 2018-07-17 09:01:54

Local clock offset: -8.619 ms

Remote clock offset: 3.539 ms

Below is generated by plot.py at 2018-07-17 12:13:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.18 Mbit/s

95th percentile per-packet one-way delay: 122.342 ms

Loss rate: 4.00%

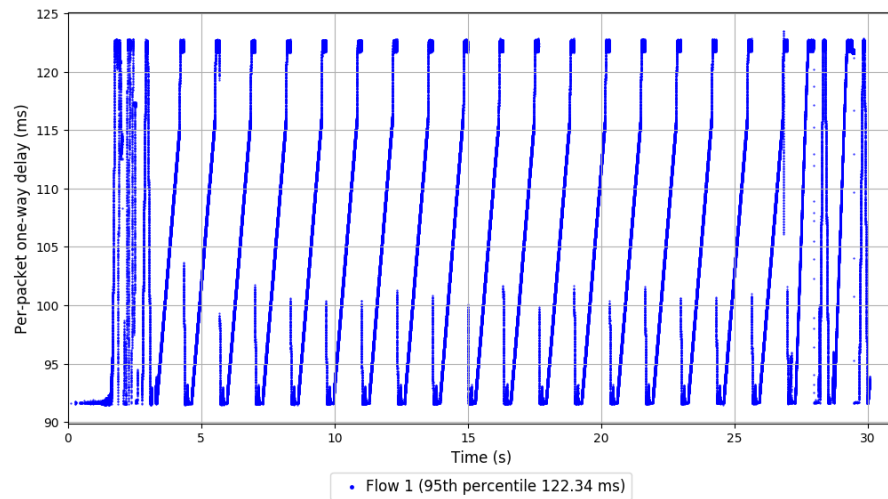
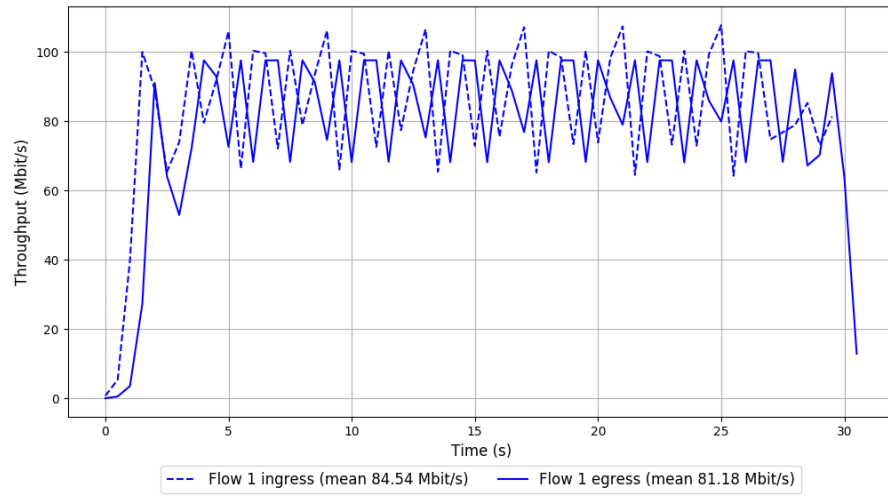
-- Flow 1:

Average throughput: 81.18 Mbit/s

95th percentile per-packet one-way delay: 122.342 ms

Loss rate: 4.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-17 09:21:13

End at: 2018-07-17 09:21:43

Local clock offset: -8.07 ms

Remote clock offset: 0.57 ms

Below is generated by plot.py at 2018-07-17 12:13:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.52 Mbit/s

95th percentile per-packet one-way delay: 115.182 ms

Loss rate: 3.92%

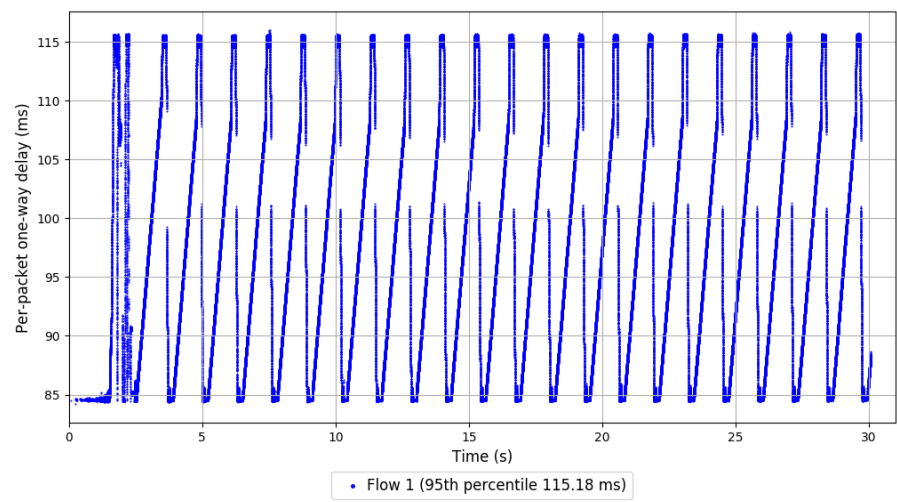
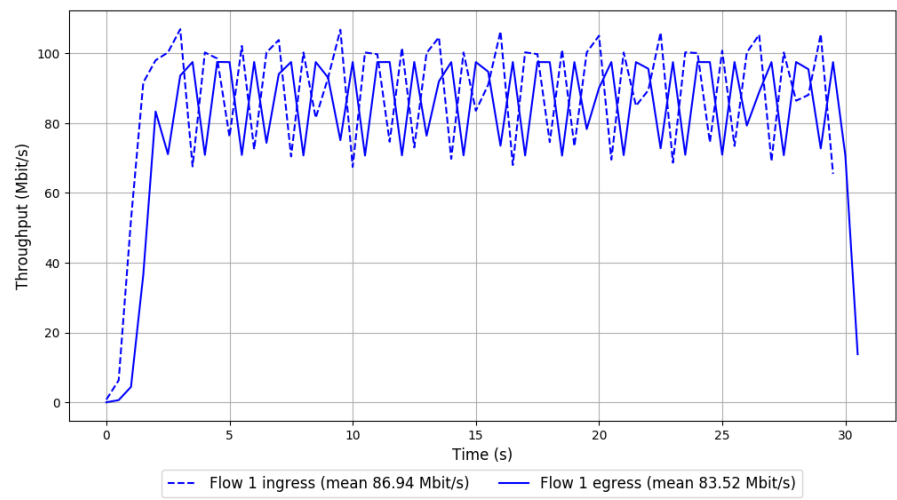
-- Flow 1:

Average throughput: 83.52 Mbit/s

95th percentile per-packet one-way delay: 115.182 ms

Loss rate: 3.92%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-17 09:41:05

End at: 2018-07-17 09:41:35

Local clock offset: -10.52 ms

Remote clock offset: 1.497 ms

Below is generated by plot.py at 2018-07-17 12:13:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.36 Mbit/s

95th percentile per-packet one-way delay: 111.497 ms

Loss rate: 3.98%

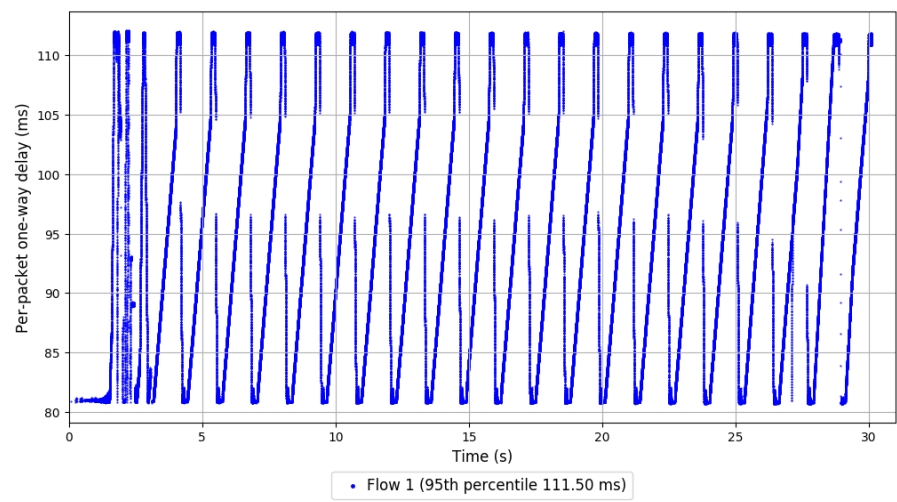
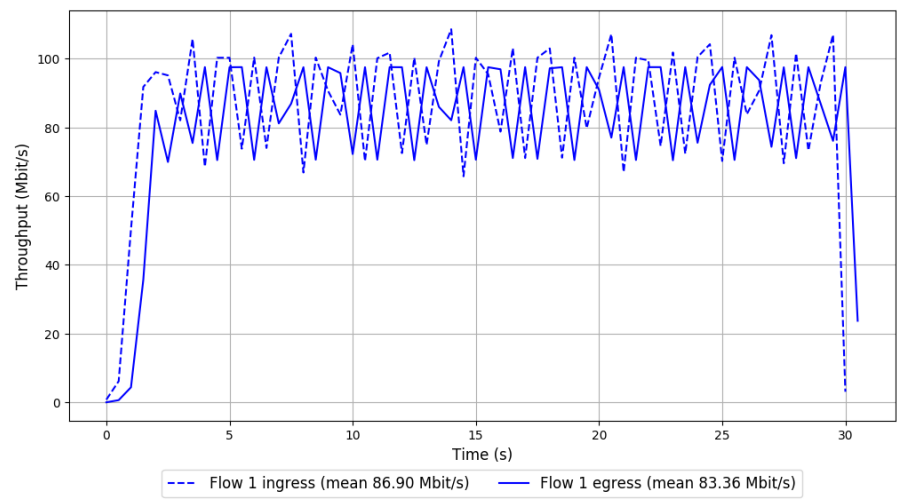
-- Flow 1:

Average throughput: 83.36 Mbit/s

95th percentile per-packet one-way delay: 111.497 ms

Loss rate: 3.98%

Run 3: Report of TCP BBR — Data Link

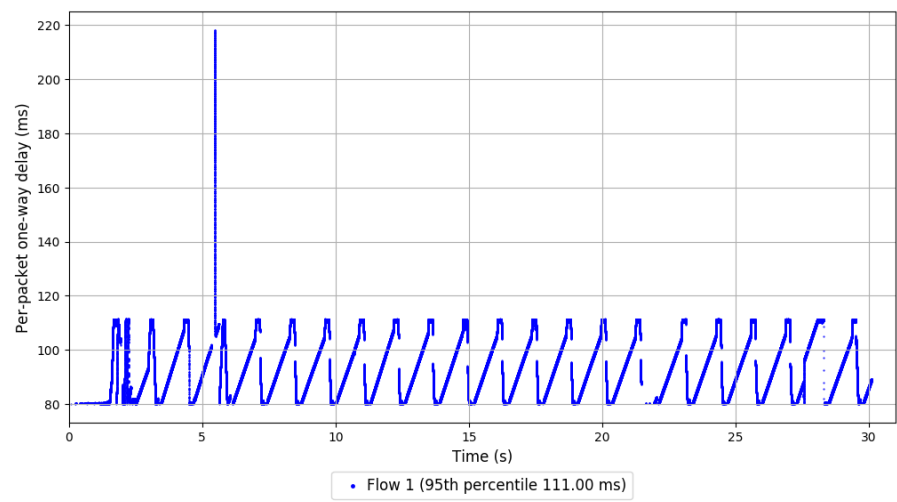
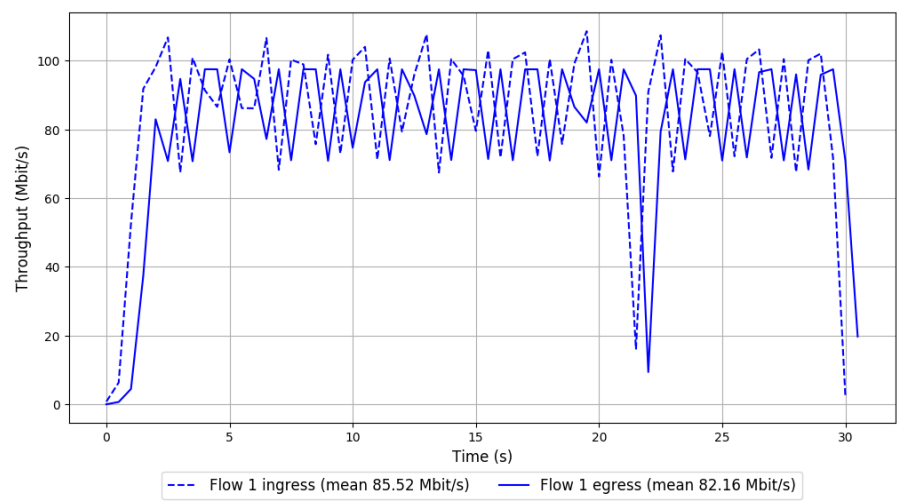


Run 4: Statistics of TCP BBR

Start at: 2018-07-17 10:00:53
End at: 2018-07-17 10:01:23
Local clock offset: -10.418 ms
Remote clock offset: 4.144 ms

Below is generated by plot.py at 2018-07-17 12:13:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.16 Mbit/s
95th percentile per-packet one-way delay: 110.999 ms
Loss rate: 3.91%
-- Flow 1:
Average throughput: 82.16 Mbit/s
95th percentile per-packet one-way delay: 110.999 ms
Loss rate: 3.91%

Run 4: Report of TCP BBR — Data Link

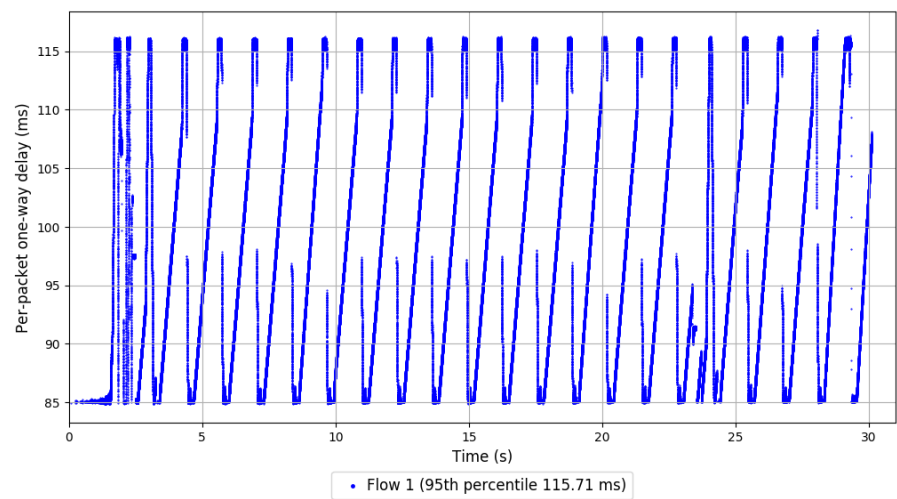
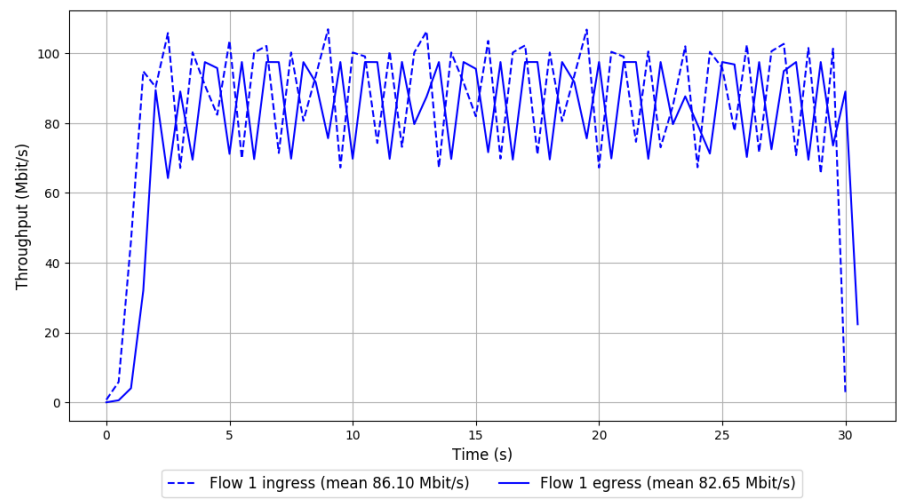


Run 5: Statistics of TCP BBR

Start at: 2018-07-17 10:20:42
End at: 2018-07-17 10:21:12
Local clock offset: -9.662 ms
Remote clock offset: -7.194 ms

Below is generated by plot.py at 2018-07-17 12:13:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.65 Mbit/s
95th percentile per-packet one-way delay: 115.707 ms
Loss rate: 3.95%
-- Flow 1:
Average throughput: 82.65 Mbit/s
95th percentile per-packet one-way delay: 115.707 ms
Loss rate: 3.95%

Run 5: Report of TCP BBR — Data Link

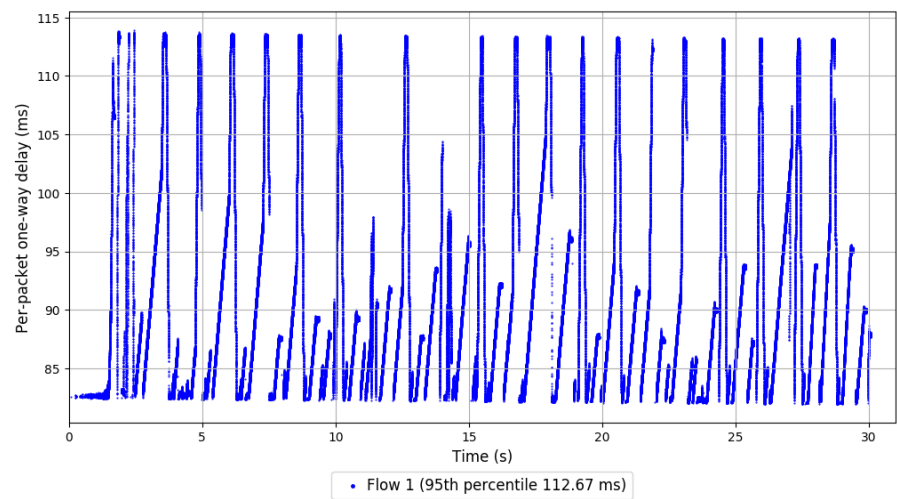
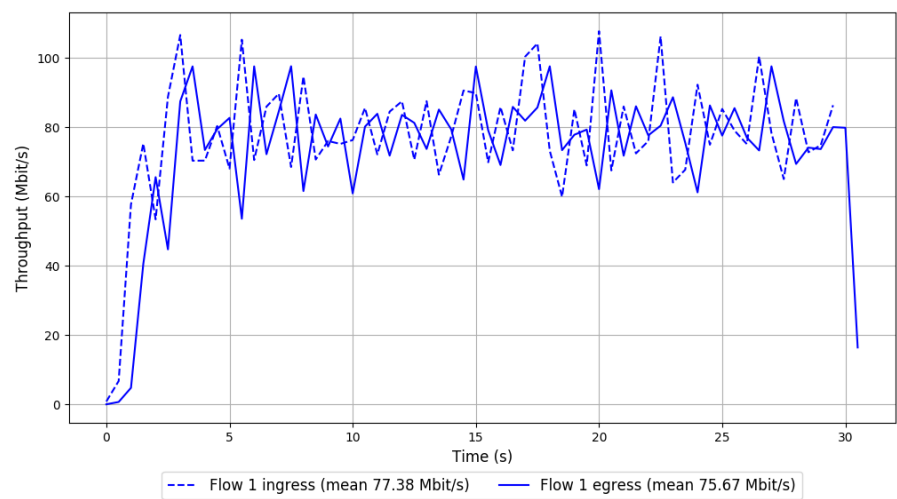


Run 6: Statistics of TCP BBR

Start at: 2018-07-17 10:40:30
End at: 2018-07-17 10:41:00
Local clock offset: -8.978 ms
Remote clock offset: -0.443 ms

Below is generated by plot.py at 2018-07-17 12:13:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.67 Mbit/s
95th percentile per-packet one-way delay: 112.669 ms
Loss rate: 2.18%
-- Flow 1:
Average throughput: 75.67 Mbit/s
95th percentile per-packet one-way delay: 112.669 ms
Loss rate: 2.18%

Run 6: Report of TCP BBR — Data Link

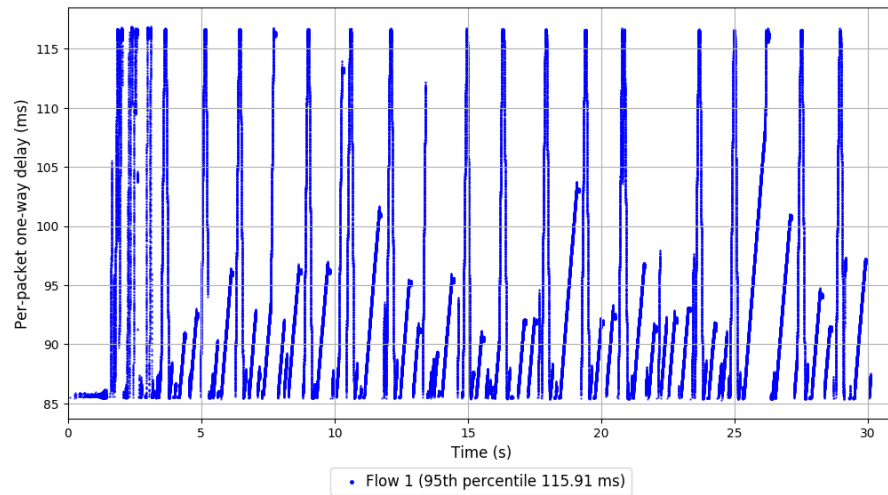
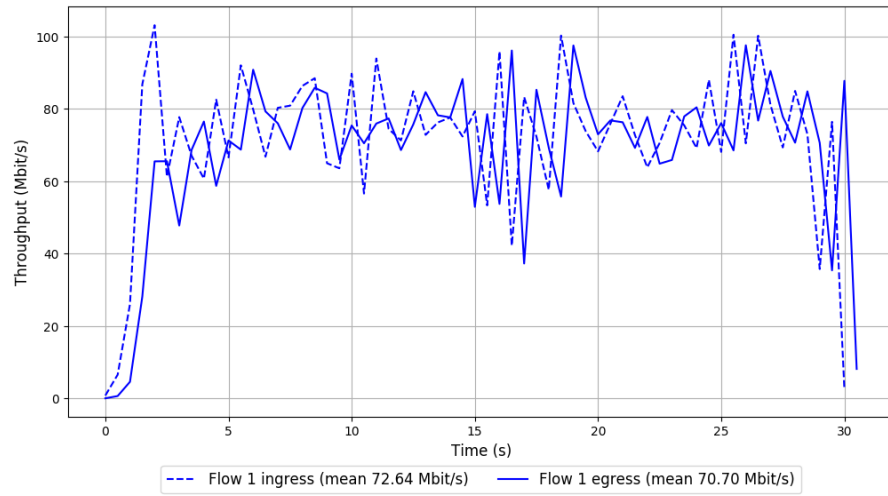


Run 7: Statistics of TCP BBR

Start at: 2018-07-17 11:00:19
End at: 2018-07-17 11:00:49
Local clock offset: -8.746 ms
Remote clock offset: 11.438 ms

Below is generated by plot.py at 2018-07-17 12:13:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.70 Mbit/s
95th percentile per-packet one-way delay: 115.907 ms
Loss rate: 2.66%
-- Flow 1:
Average throughput: 70.70 Mbit/s
95th percentile per-packet one-way delay: 115.907 ms
Loss rate: 2.66%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-17 11:20:09

End at: 2018-07-17 11:20:39

Local clock offset: -8.721 ms

Remote clock offset: 12.91 ms

Below is generated by plot.py at 2018-07-17 12:13:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.69 Mbit/s

95th percentile per-packet one-way delay: 113.367 ms

Loss rate: 4.00%

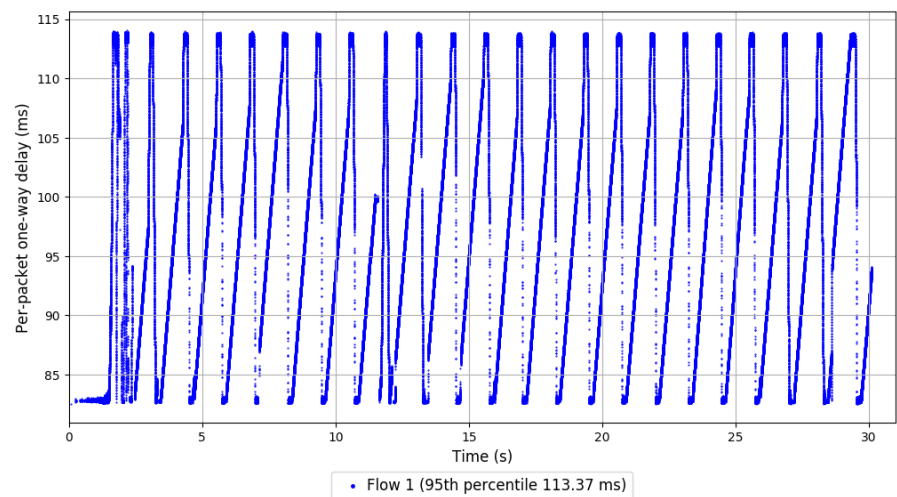
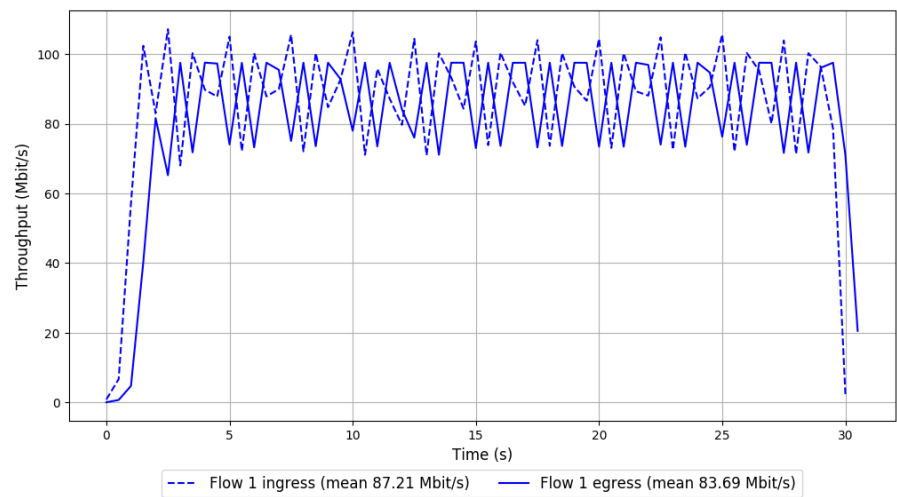
-- Flow 1:

Average throughput: 83.69 Mbit/s

95th percentile per-packet one-way delay: 113.367 ms

Loss rate: 4.00%

Run 8: Report of TCP BBR — Data Link

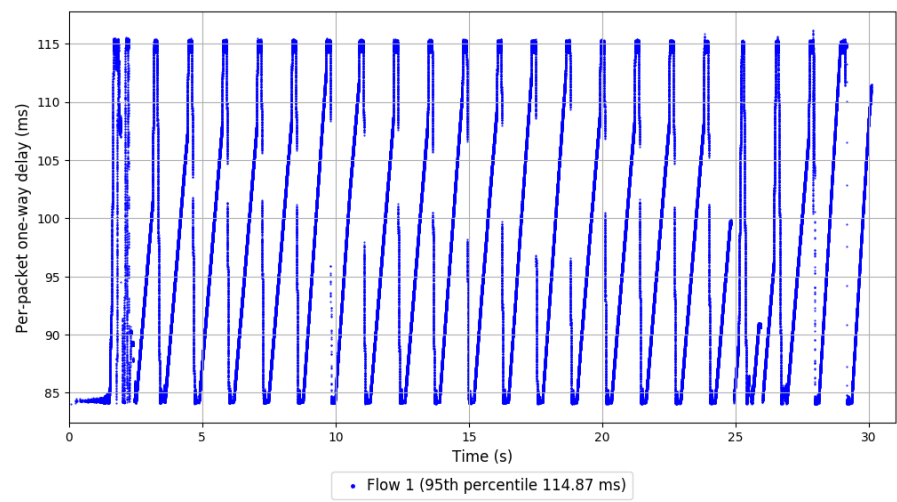
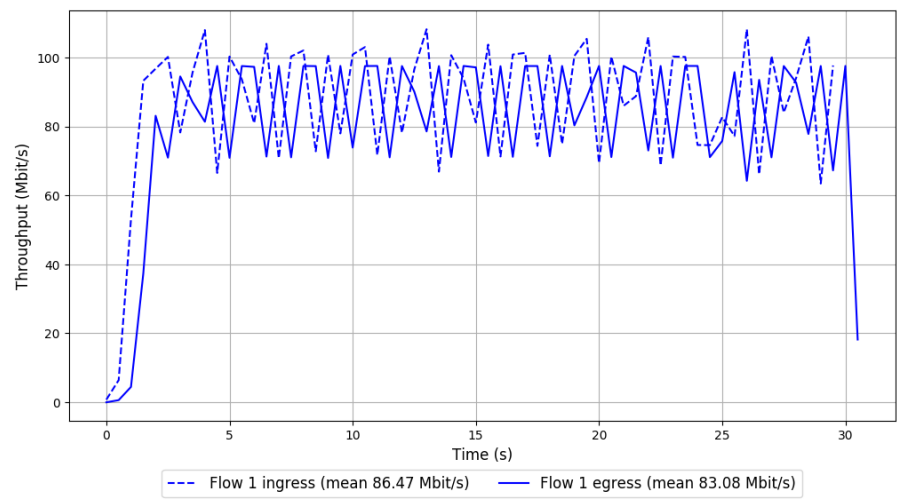


Run 9: Statistics of TCP BBR

Start at: 2018-07-17 11:39:58
End at: 2018-07-17 11:40:28
Local clock offset: -9.827 ms
Remote clock offset: 16.591 ms

Below is generated by plot.py at 2018-07-17 12:13:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.08 Mbit/s
95th percentile per-packet one-way delay: 114.867 ms
Loss rate: 3.84%
-- Flow 1:
Average throughput: 83.08 Mbit/s
95th percentile per-packet one-way delay: 114.867 ms
Loss rate: 3.84%

Run 9: Report of TCP BBR — Data Link

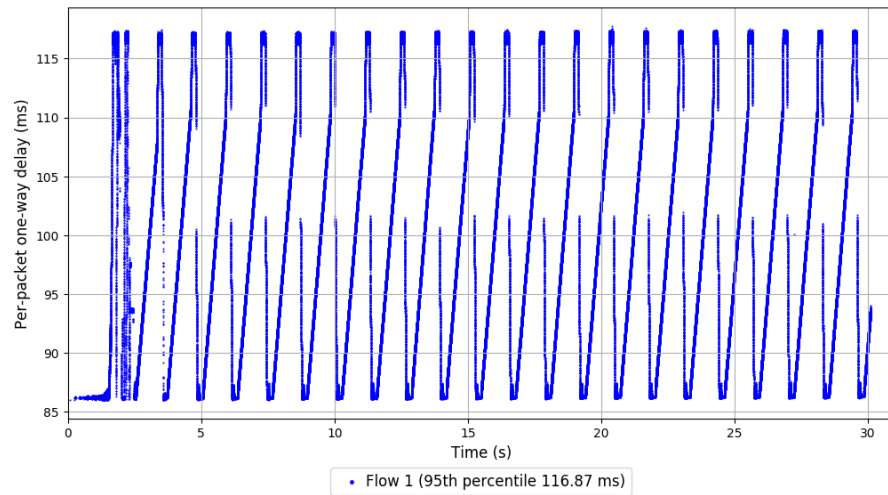
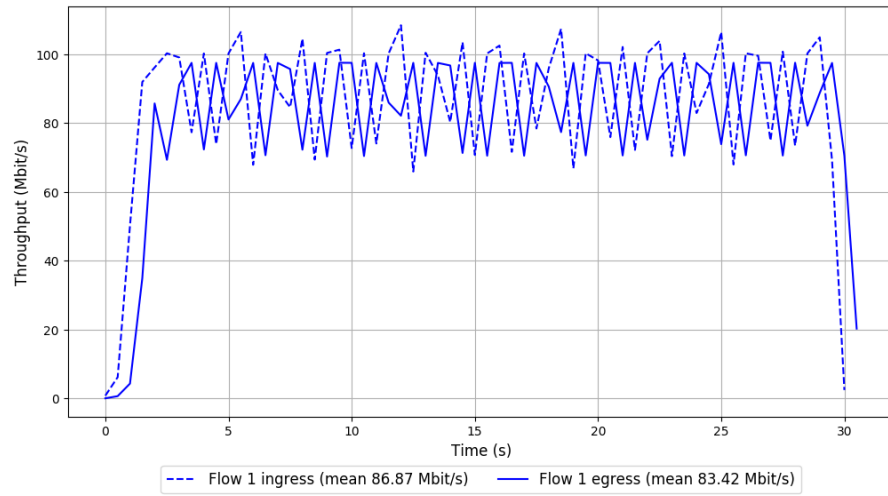


Run 10: Statistics of TCP BBR

Start at: 2018-07-17 11:59:47
End at: 2018-07-17 12:00:17
Local clock offset: -7.691 ms
Remote clock offset: 15.856 ms

Below is generated by plot.py at 2018-07-17 12:13:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.42 Mbit/s
95th percentile per-packet one-way delay: 116.870 ms
Loss rate: 3.95%
-- Flow 1:
Average throughput: 83.42 Mbit/s
95th percentile per-packet one-way delay: 116.870 ms
Loss rate: 3.95%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-07-17 09:00:12

End at: 2018-07-17 09:00:42

Local clock offset: -8.718 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-07-17 12:14:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.01 Mbit/s

95th percentile per-packet one-way delay: 115.746 ms

Loss rate: 7.02%

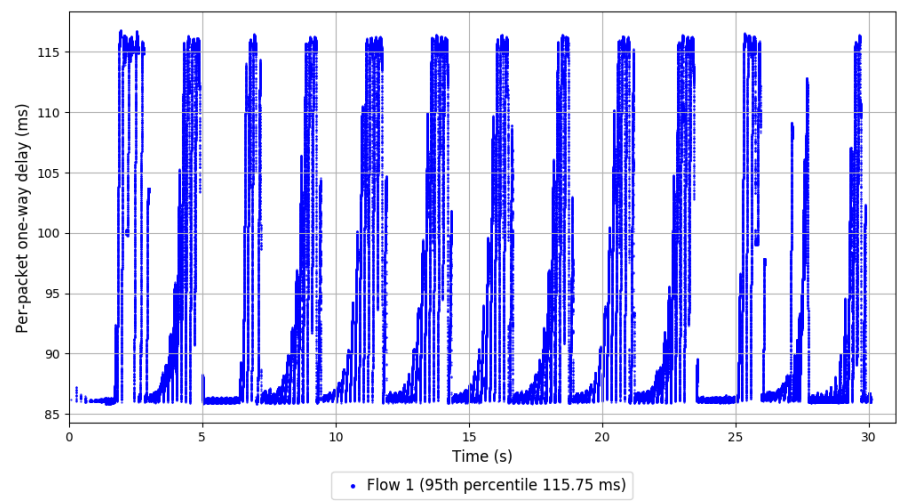
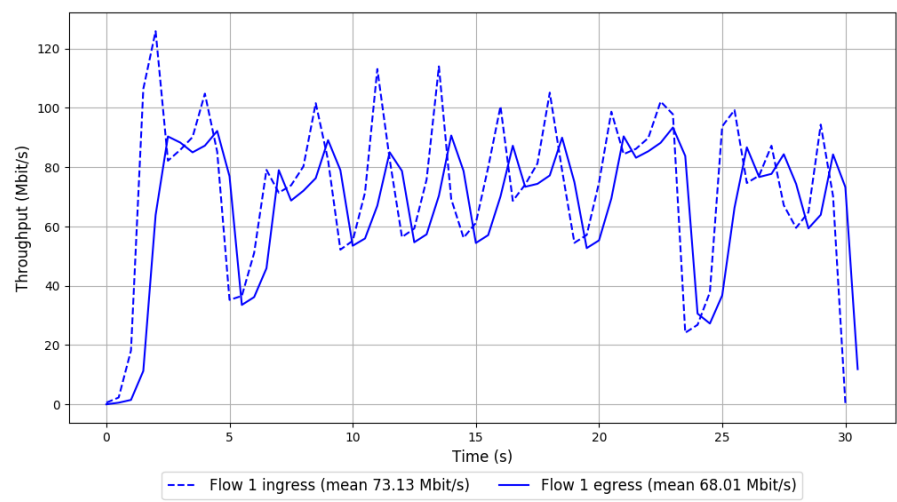
-- Flow 1:

Average throughput: 68.01 Mbit/s

95th percentile per-packet one-way delay: 115.746 ms

Loss rate: 7.02%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-07-17 09:20:00

End at: 2018-07-17 09:20:31

Local clock offset: -8.087 ms

Remote clock offset: 1.815 ms

Below is generated by plot.py at 2018-07-17 12:14:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.18 Mbit/s

95th percentile per-packet one-way delay: 115.613 ms

Loss rate: 5.48%

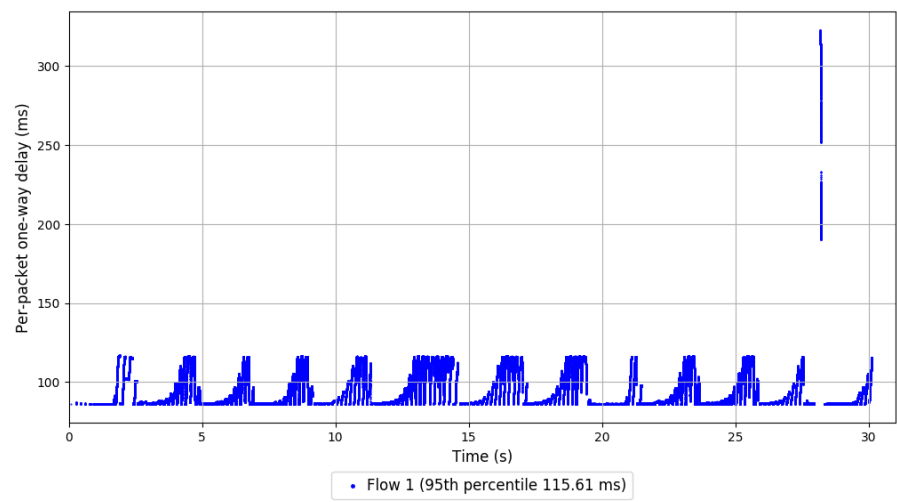
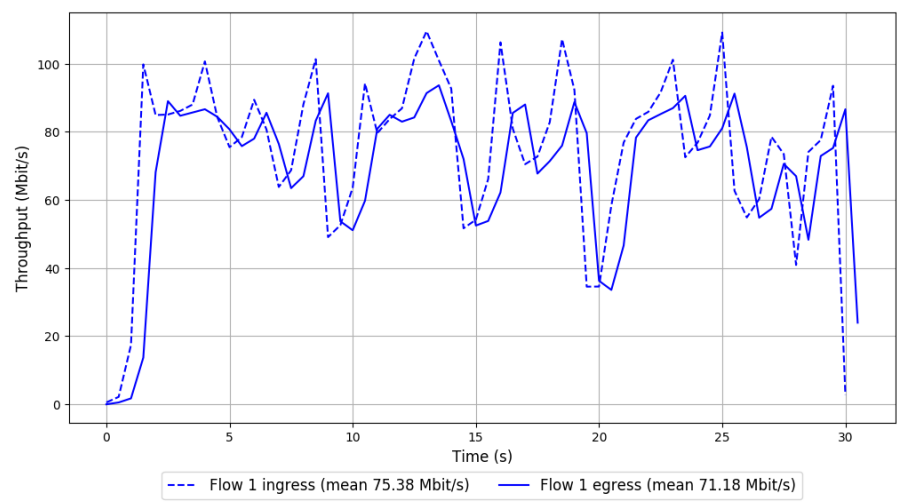
-- Flow 1:

Average throughput: 71.18 Mbit/s

95th percentile per-packet one-way delay: 115.613 ms

Loss rate: 5.48%

Run 2: Report of Copa — Data Link

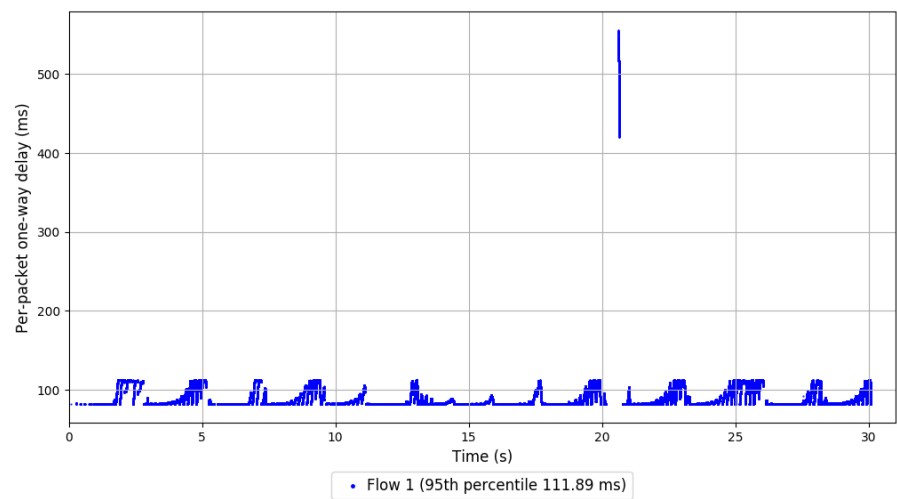
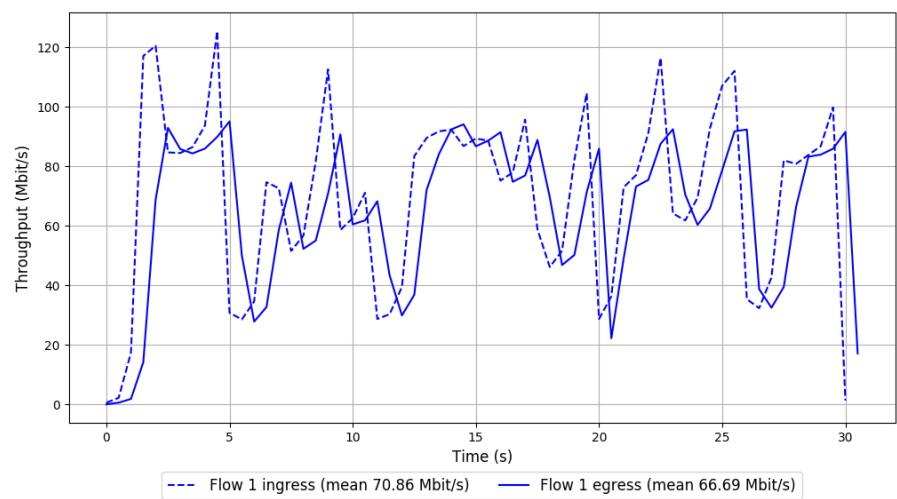


Run 3: Statistics of Copa

Start at: 2018-07-17 09:39:53
End at: 2018-07-17 09:40:23
Local clock offset: -10.442 ms
Remote clock offset: 2.152 ms

Below is generated by plot.py at 2018-07-17 12:14:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.69 Mbit/s
95th percentile per-packet one-way delay: 111.893 ms
Loss rate: 5.89%
-- Flow 1:
Average throughput: 66.69 Mbit/s
95th percentile per-packet one-way delay: 111.893 ms
Loss rate: 5.89%

Run 3: Report of Copa — Data Link

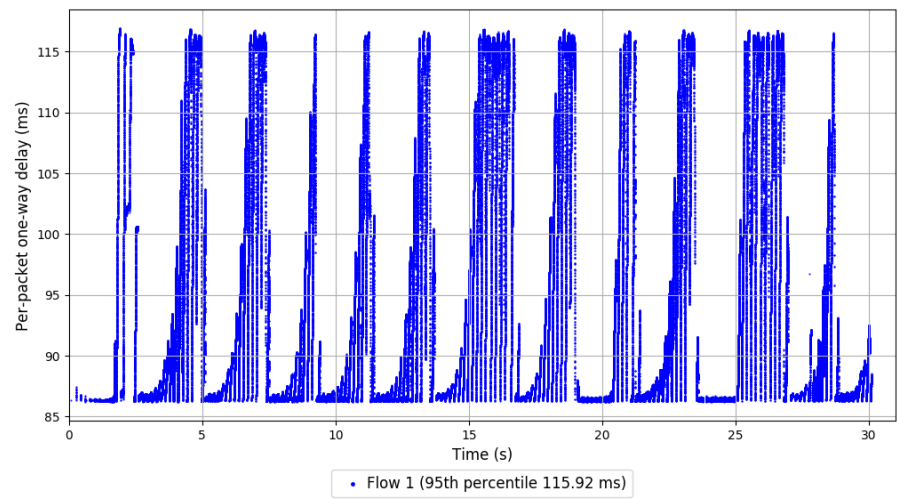
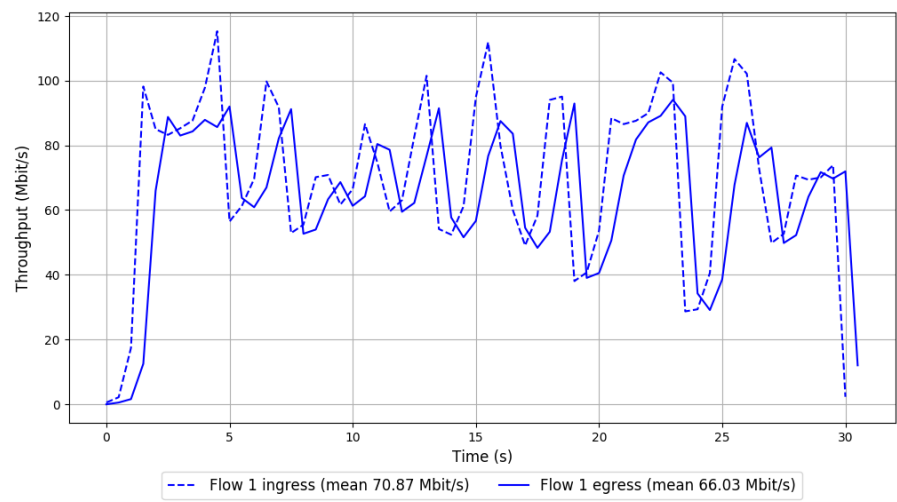


Run 4: Statistics of Copa

Start at: 2018-07-17 09:59:41
End at: 2018-07-17 10:00:11
Local clock offset: -10.516 ms
Remote clock offset: 7.951 ms

Below is generated by plot.py at 2018-07-17 12:14:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.03 Mbit/s
95th percentile per-packet one-way delay: 115.920 ms
Loss rate: 6.84%
-- Flow 1:
Average throughput: 66.03 Mbit/s
95th percentile per-packet one-way delay: 115.920 ms
Loss rate: 6.84%

Run 4: Report of Copa — Data Link

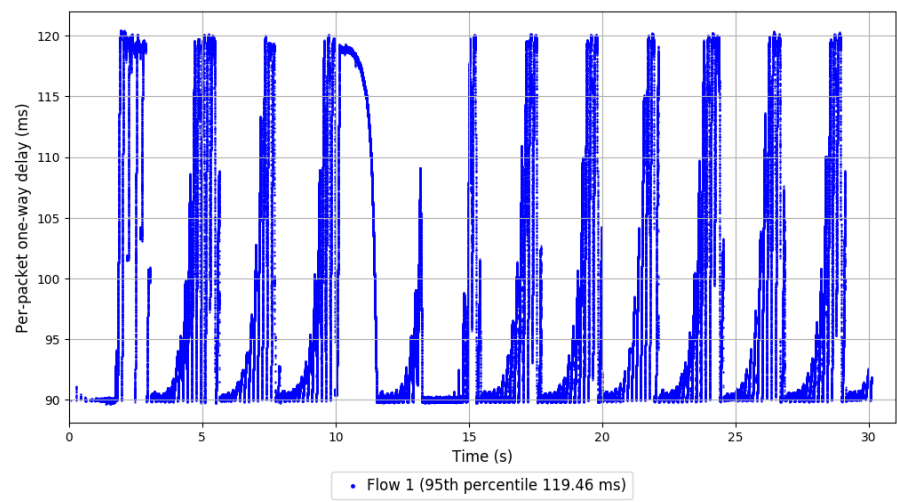
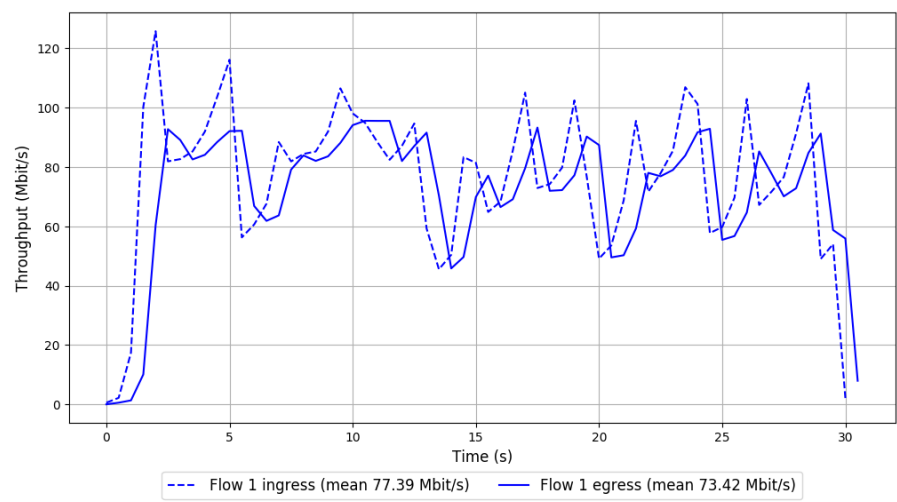


Run 5: Statistics of Copa

Start at: 2018-07-17 10:19:29
End at: 2018-07-17 10:19:59
Local clock offset: -9.634 ms
Remote clock offset: -2.039 ms

Below is generated by plot.py at 2018-07-17 12:14:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.42 Mbit/s
95th percentile per-packet one-way delay: 119.459 ms
Loss rate: 5.15%
-- Flow 1:
Average throughput: 73.42 Mbit/s
95th percentile per-packet one-way delay: 119.459 ms
Loss rate: 5.15%

Run 5: Report of Copa — Data Link

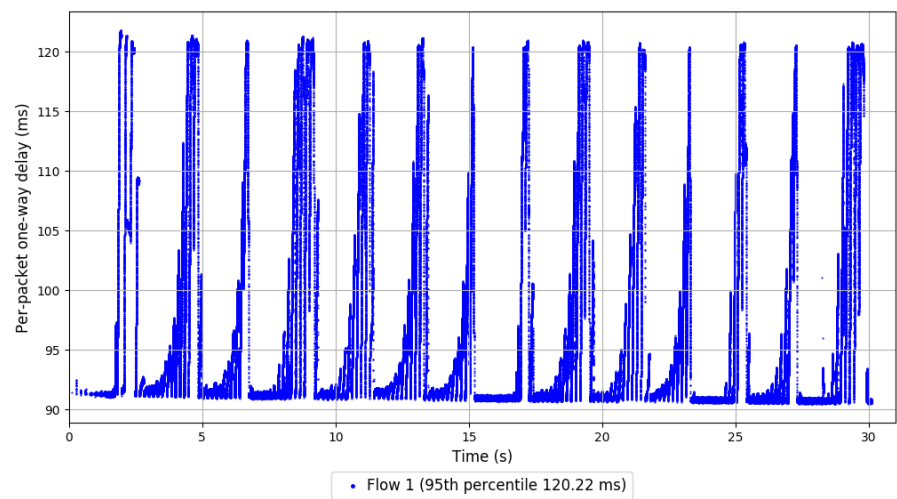
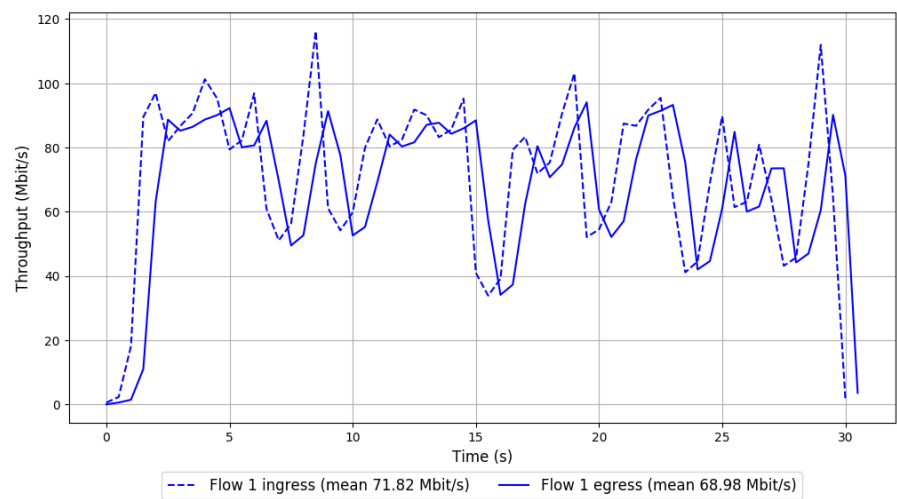


Run 6: Statistics of Copa

Start at: 2018-07-17 10:39:18
End at: 2018-07-17 10:39:48
Local clock offset: -9.081 ms
Remote clock offset: -0.653 ms

Below is generated by plot.py at 2018-07-17 12:14:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.98 Mbit/s
95th percentile per-packet one-way delay: 120.224 ms
Loss rate: 3.97%
-- Flow 1:
Average throughput: 68.98 Mbit/s
95th percentile per-packet one-way delay: 120.224 ms
Loss rate: 3.97%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-07-17 10:59:07

End at: 2018-07-17 10:59:37

Local clock offset: -8.742 ms

Remote clock offset: 9.932 ms

Below is generated by plot.py at 2018-07-17 12:15:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.36 Mbit/s

95th percentile per-packet one-way delay: 114.220 ms

Loss rate: 4.29%

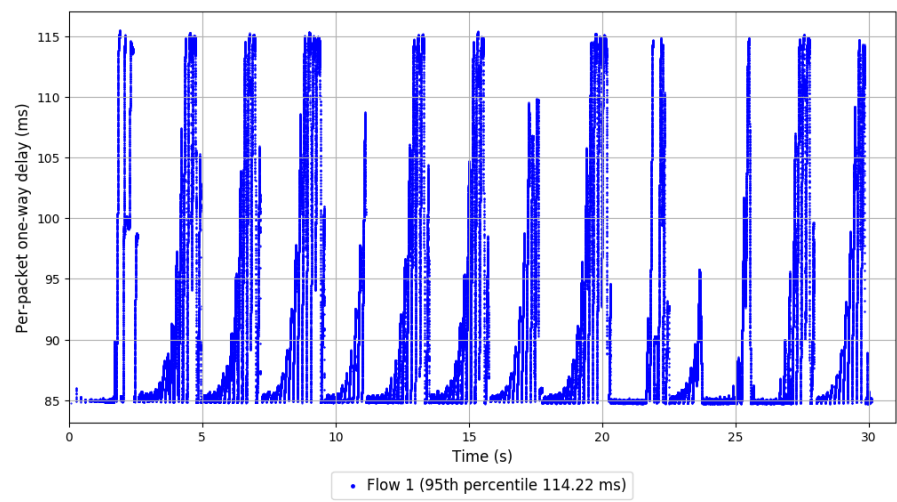
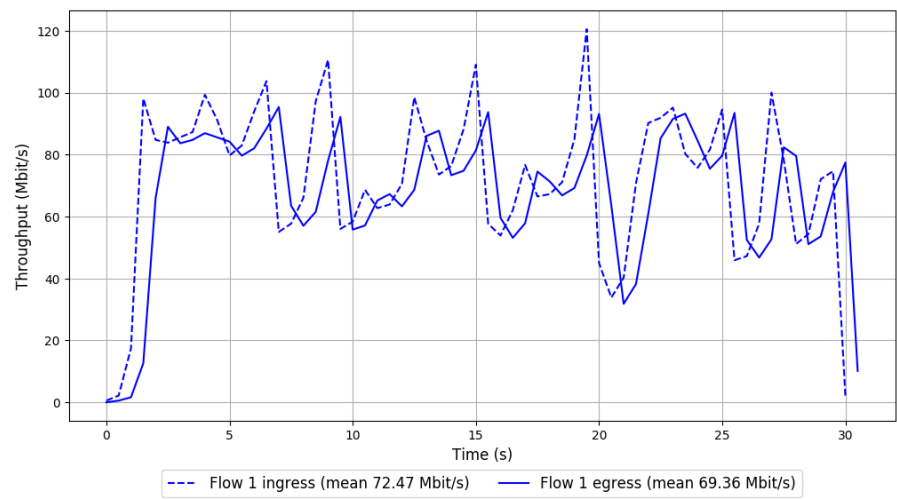
-- Flow 1:

Average throughput: 69.36 Mbit/s

95th percentile per-packet one-way delay: 114.220 ms

Loss rate: 4.29%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-07-17 11:18:56

End at: 2018-07-17 11:19:26

Local clock offset: -8.744 ms

Remote clock offset: 9.207 ms

Below is generated by plot.py at 2018-07-17 12:16:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.20 Mbit/s

95th percentile per-packet one-way delay: 105.418 ms

Loss rate: 1.96%

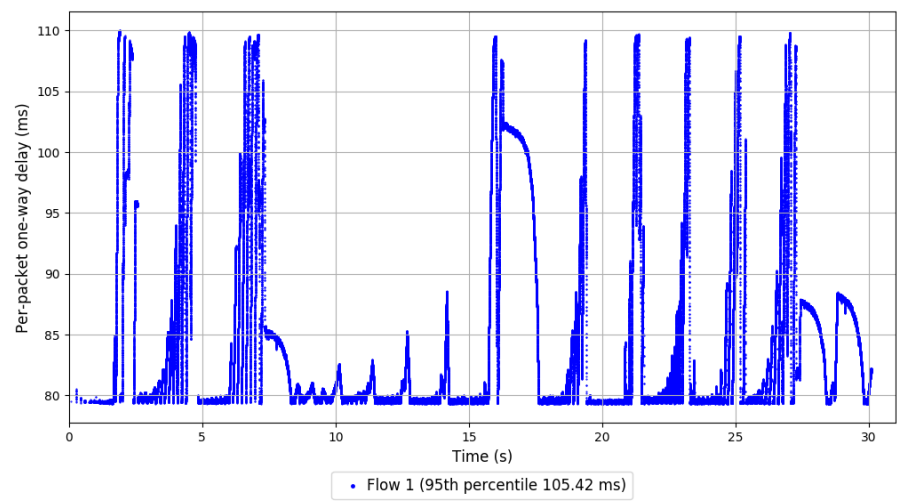
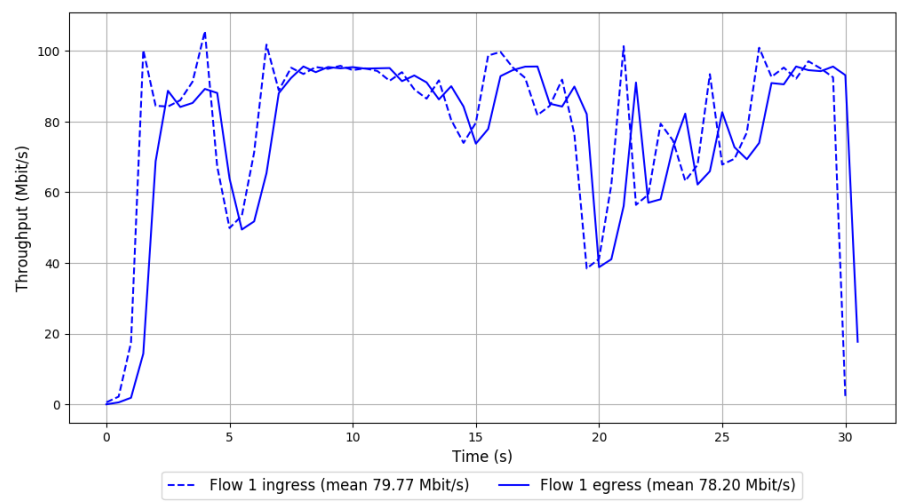
-- Flow 1:

Average throughput: 78.20 Mbit/s

95th percentile per-packet one-way delay: 105.418 ms

Loss rate: 1.96%

Run 8: Report of Copa — Data Link

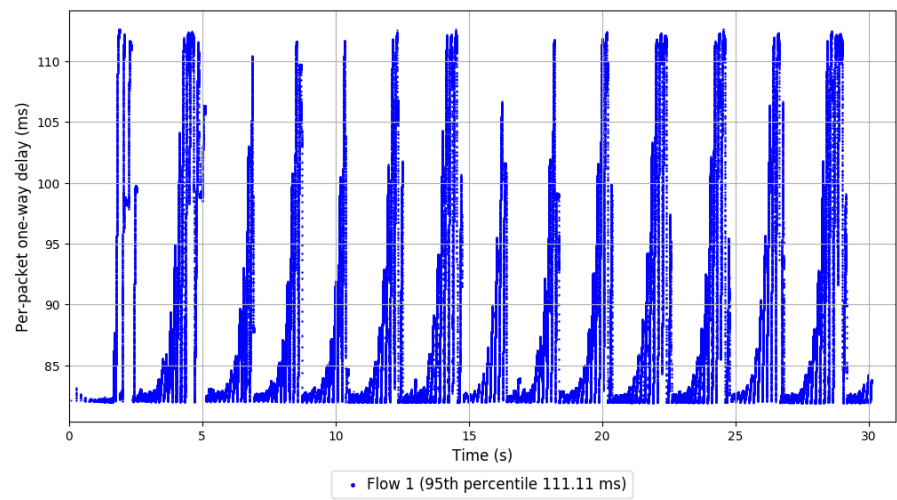
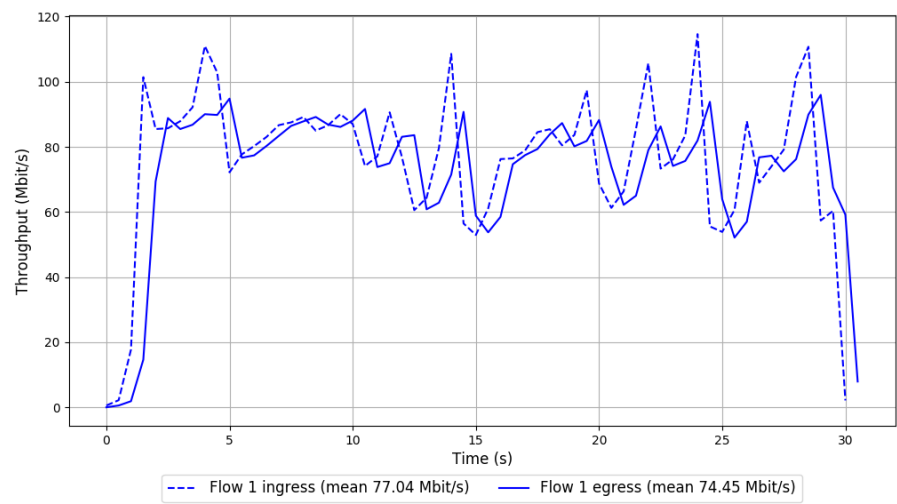


Run 9: Statistics of Copa

Start at: 2018-07-17 11:38:45
End at: 2018-07-17 11:39:16
Local clock offset: -9.696 ms
Remote clock offset: 12.679 ms

Below is generated by plot.py at 2018-07-17 12:16:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.45 Mbit/s
95th percentile per-packet one-way delay: 111.115 ms
Loss rate: 3.36%
-- Flow 1:
Average throughput: 74.45 Mbit/s
95th percentile per-packet one-way delay: 111.115 ms
Loss rate: 3.36%

Run 9: Report of Copa — Data Link

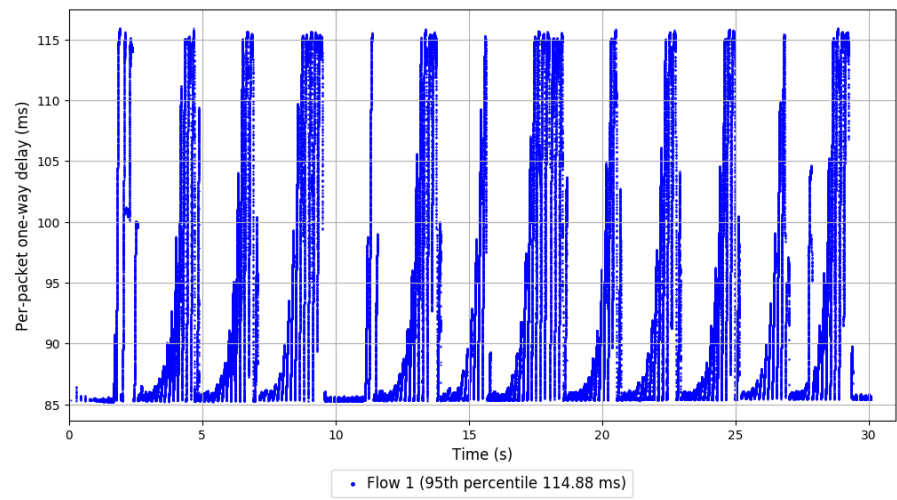
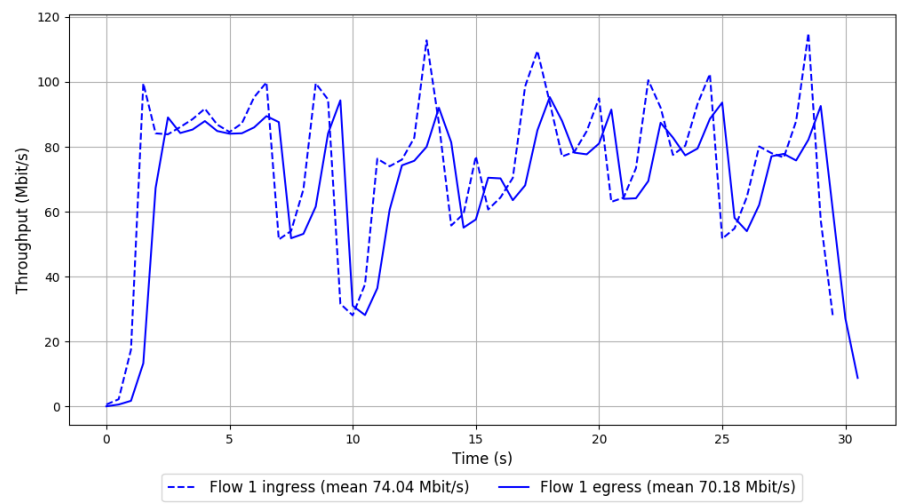


Run 10: Statistics of Copa

Start at: 2018-07-17 11:58:35
End at: 2018-07-17 11:59:05
Local clock offset: -8.267 ms
Remote clock offset: 15.788 ms

Below is generated by plot.py at 2018-07-17 12:16:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.18 Mbit/s
95th percentile per-packet one-way delay: 114.877 ms
Loss rate: 5.22%
-- Flow 1:
Average throughput: 70.18 Mbit/s
95th percentile per-packet one-way delay: 114.877 ms
Loss rate: 5.22%

Run 10: Report of Copa — Data Link

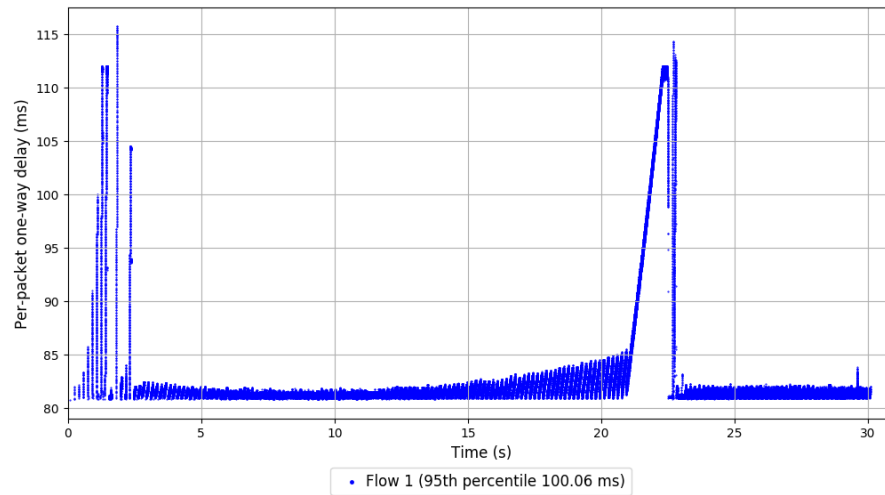
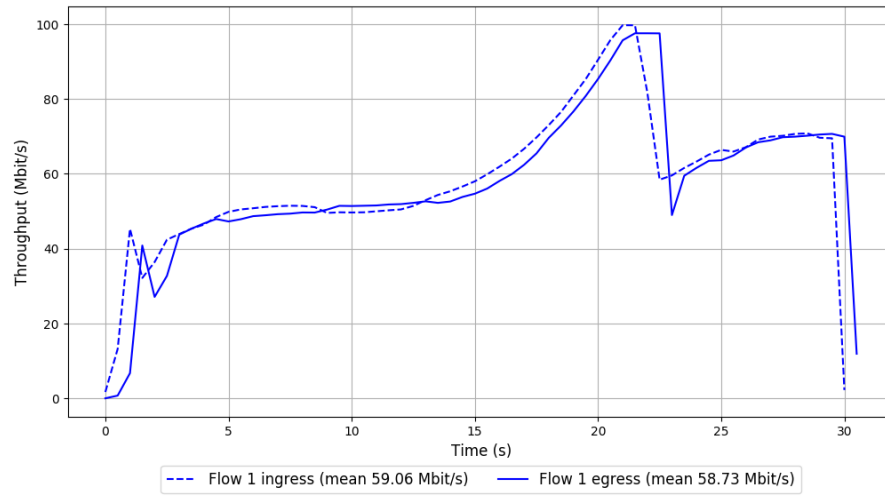


Run 1: Statistics of TCP Cubic

Start at: 2018-07-17 09:08:16
End at: 2018-07-17 09:08:46
Local clock offset: -8.436 ms
Remote clock offset: -2.487 ms

Below is generated by plot.py at 2018-07-17 12:16:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 58.73 Mbit/s
95th percentile per-packet one-way delay: 100.057 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 58.73 Mbit/s
95th percentile per-packet one-way delay: 100.057 ms
Loss rate: 0.56%

Run 1: Report of TCP Cubic — Data Link

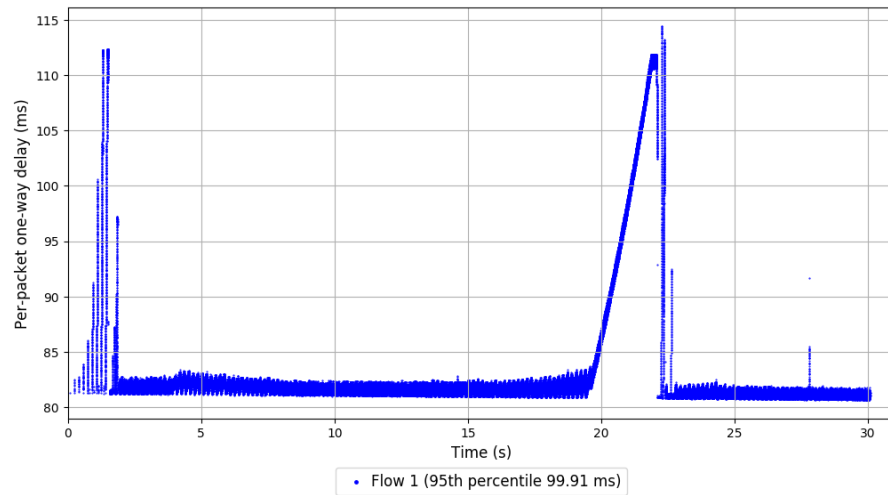
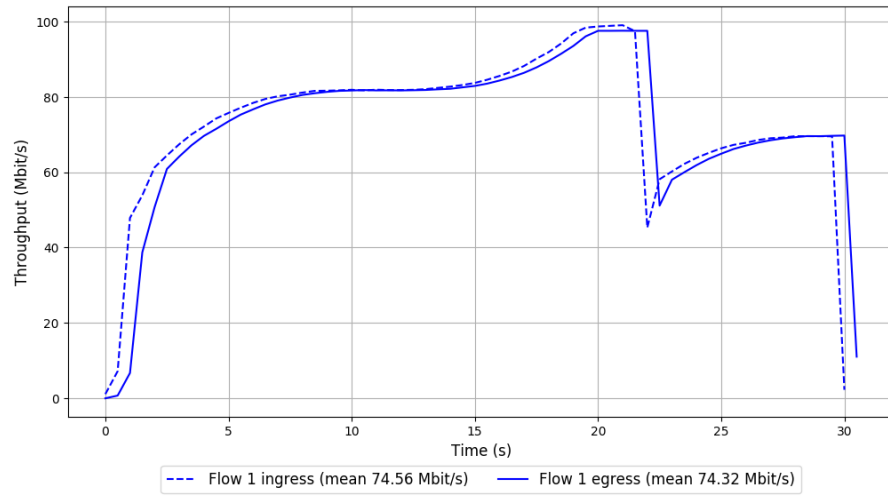


Run 2: Statistics of TCP Cubic

Start at: 2018-07-17 09:28:06
End at: 2018-07-17 09:28:36
Local clock offset: -8.725 ms
Remote clock offset: -4.965 ms

Below is generated by plot.py at 2018-07-17 12:16:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.32 Mbit/s
95th percentile per-packet one-way delay: 99.909 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 74.32 Mbit/s
95th percentile per-packet one-way delay: 99.909 ms
Loss rate: 0.33%

Run 2: Report of TCP Cubic — Data Link

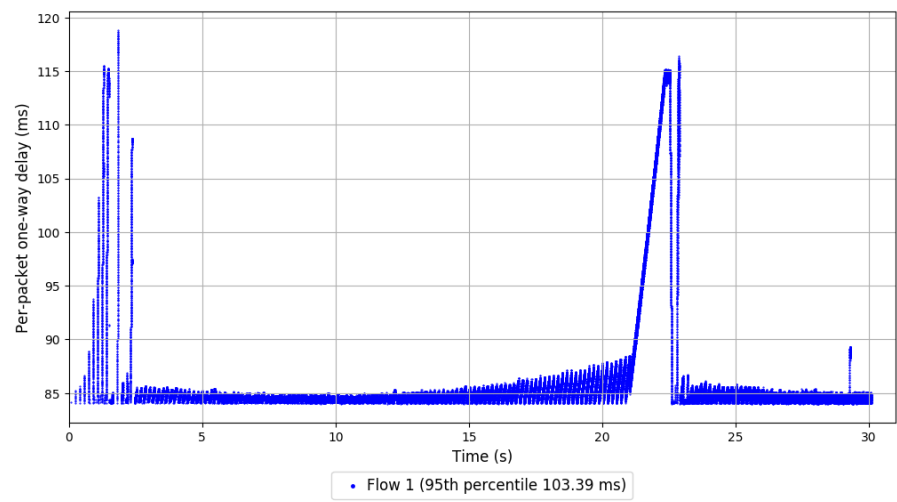
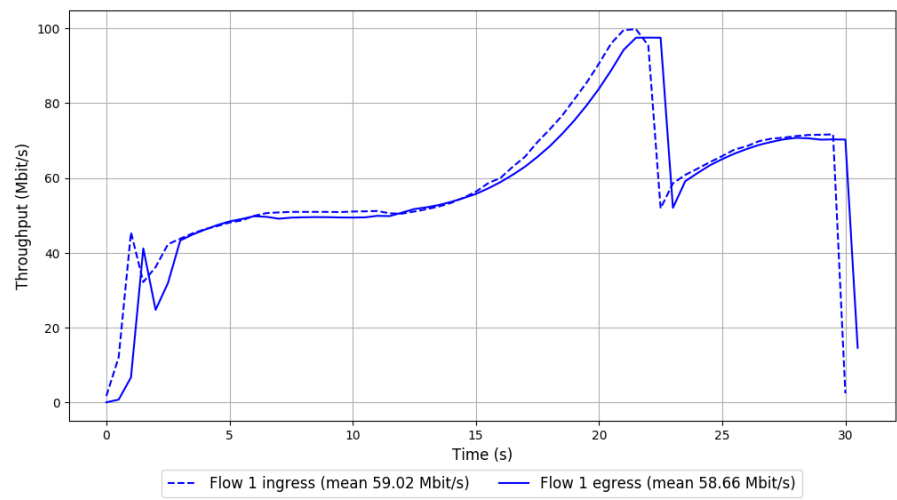


Run 3: Statistics of TCP Cubic

Start at: 2018-07-17 09:47:58
End at: 2018-07-17 09:48:28
Local clock offset: -10.854 ms
Remote clock offset: 7.21 ms

Below is generated by plot.py at 2018-07-17 12:16:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 58.66 Mbit/s
95th percentile per-packet one-way delay: 103.386 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 58.66 Mbit/s
95th percentile per-packet one-way delay: 103.386 ms
Loss rate: 0.60%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-07-17 10:07:45

End at: 2018-07-17 10:08:15

Local clock offset: -9.969 ms

Remote clock offset: 2.851 ms

Below is generated by plot.py at 2018-07-17 12:16:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.86 Mbit/s

95th percentile per-packet one-way delay: 110.940 ms

Loss rate: 0.35%

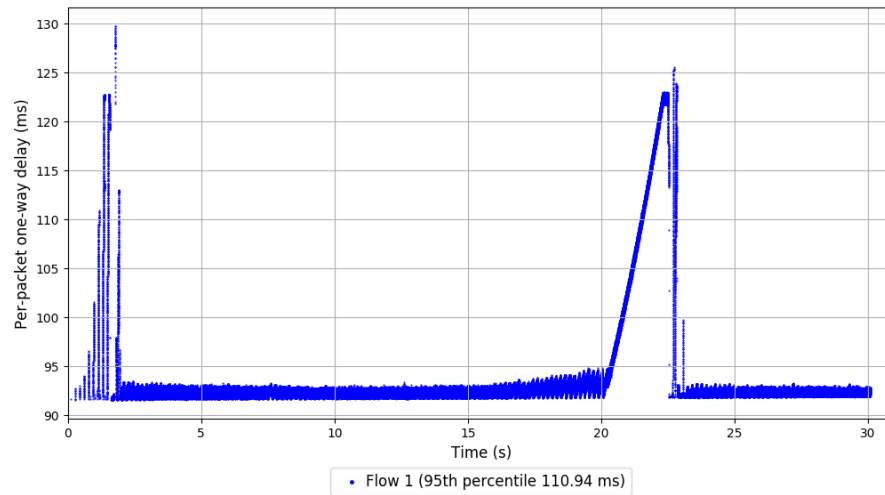
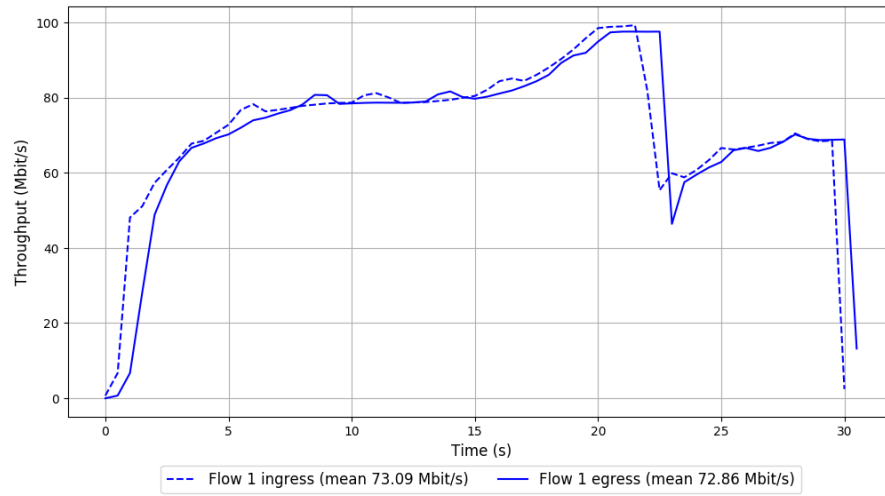
-- Flow 1:

Average throughput: 72.86 Mbit/s

95th percentile per-packet one-way delay: 110.940 ms

Loss rate: 0.35%

Run 4: Report of TCP Cubic — Data Link

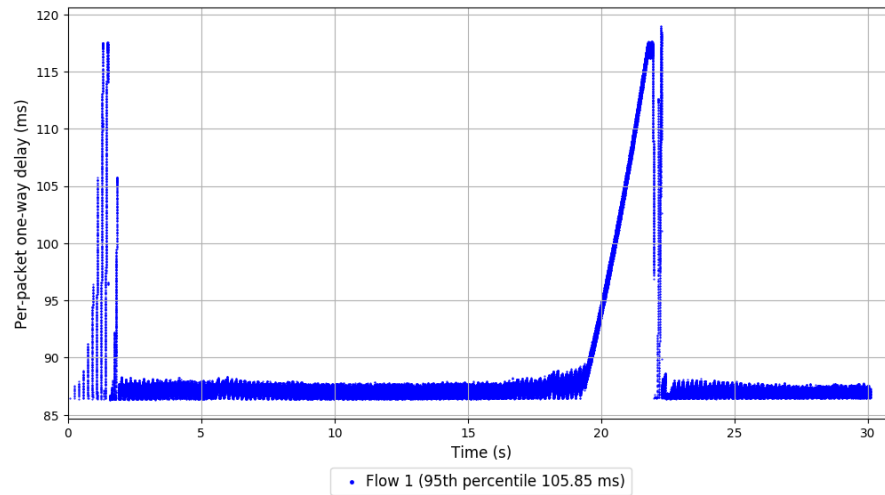
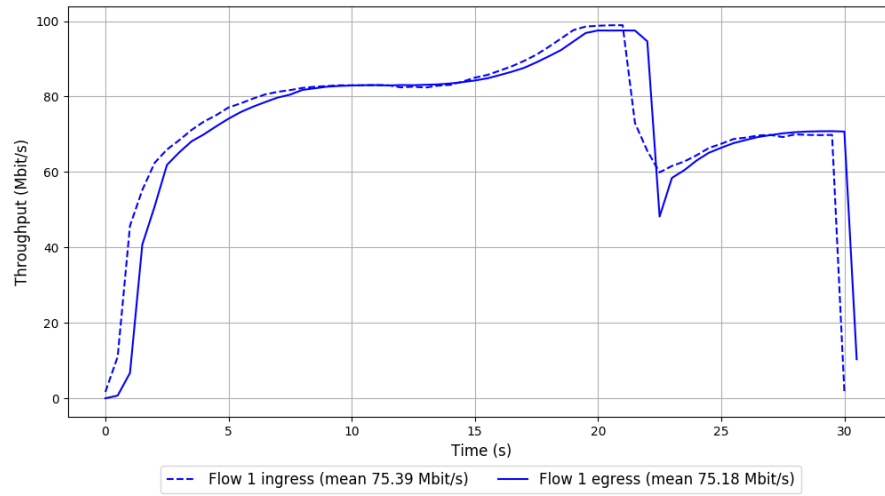


Run 5: Statistics of TCP Cubic

Start at: 2018-07-17 10:27:33
End at: 2018-07-17 10:28:03
Local clock offset: -9.477 ms
Remote clock offset: -3.714 ms

Below is generated by plot.py at 2018-07-17 12:16:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.18 Mbit/s
95th percentile per-packet one-way delay: 105.852 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 75.18 Mbit/s
95th percentile per-packet one-way delay: 105.852 ms
Loss rate: 0.29%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-07-17 10:47:22

End at: 2018-07-17 10:47:52

Local clock offset: -8.813 ms

Remote clock offset: 7.516 ms

Below is generated by plot.py at 2018-07-17 12:16:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.74 Mbit/s

95th percentile per-packet one-way delay: 91.648 ms

Loss rate: 0.08%

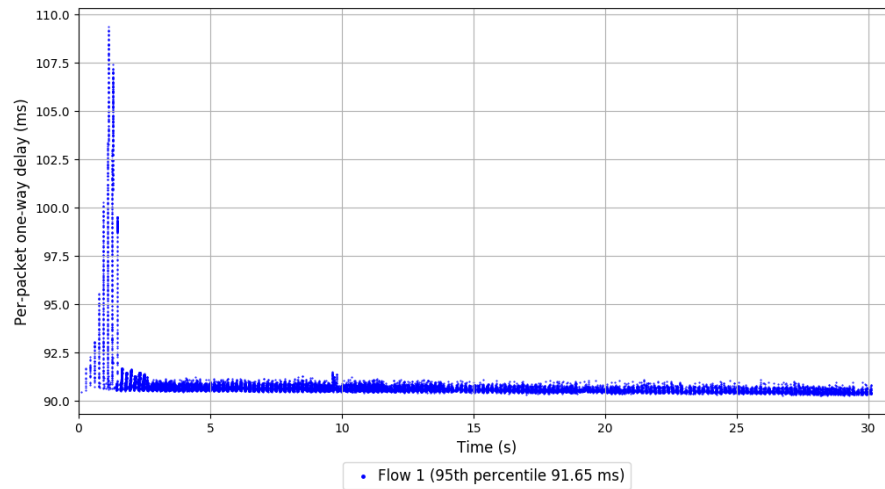
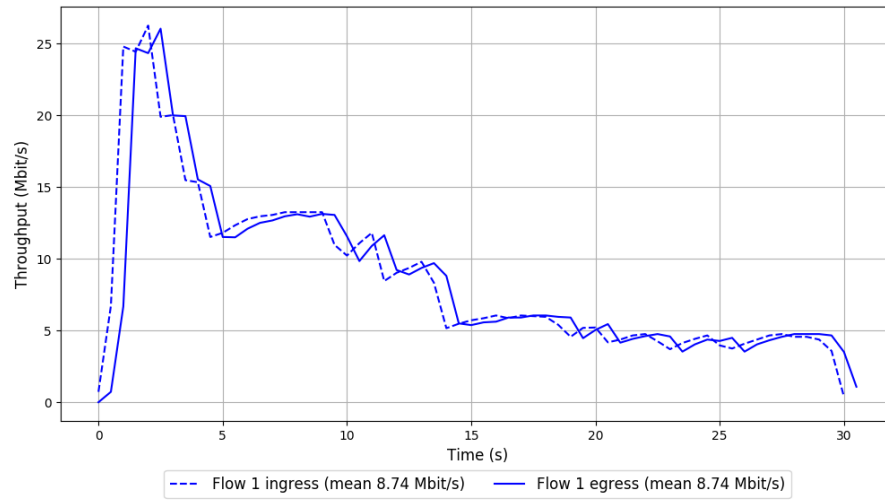
-- Flow 1:

Average throughput: 8.74 Mbit/s

95th percentile per-packet one-way delay: 91.648 ms

Loss rate: 0.08%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

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

End at: 2018-07-17 11:07:41

Local clock offset: -8.768 ms

Remote clock offset: 9.253 ms

Below is generated by plot.py at 2018-07-17 12:16:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.36 Mbit/s

95th percentile per-packet one-way delay: 98.626 ms

Loss rate: 0.64%

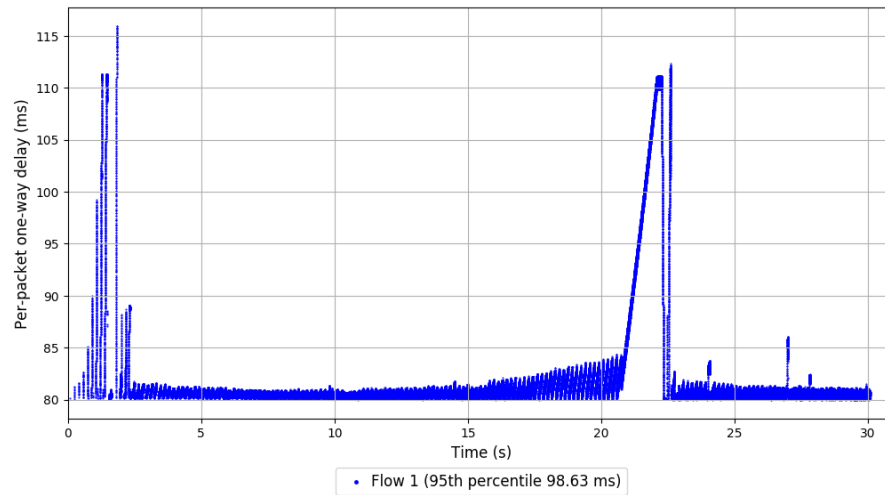
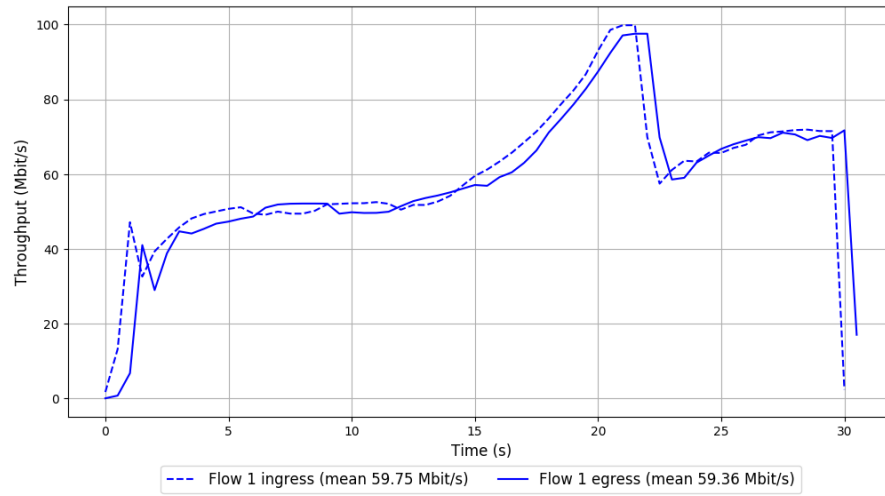
-- Flow 1:

Average throughput: 59.36 Mbit/s

95th percentile per-packet one-way delay: 98.626 ms

Loss rate: 0.64%

Run 7: Report of TCP Cubic — Data Link

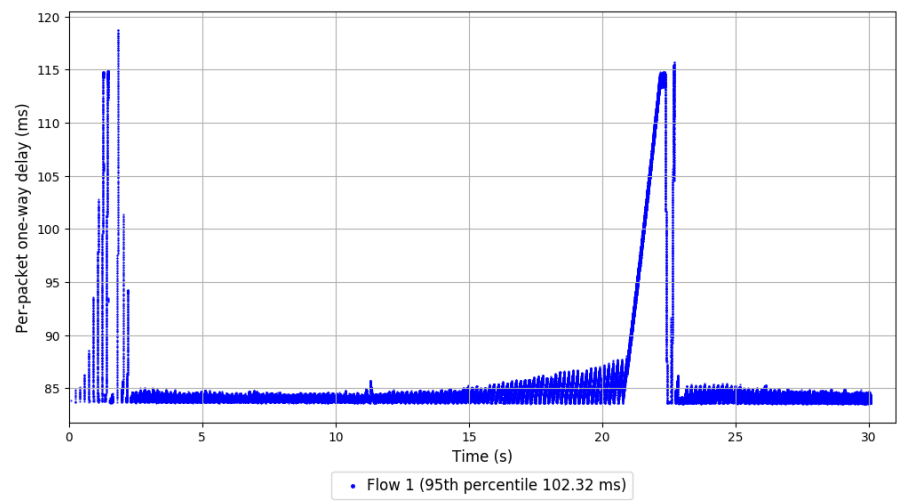
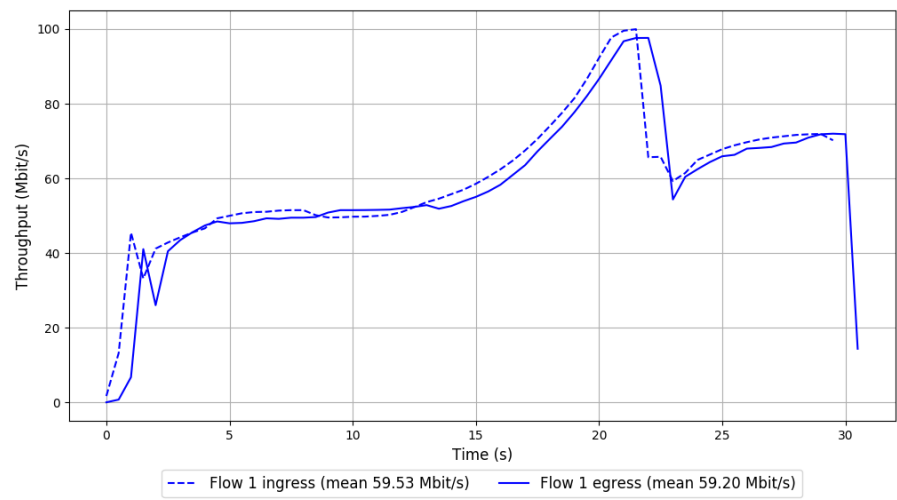


Run 8: Statistics of TCP Cubic

Start at: 2018-07-17 11:27:01
End at: 2018-07-17 11:27:31
Local clock offset: -8.87 ms
Remote clock offset: 13.764 ms

Below is generated by plot.py at 2018-07-17 12:16:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.20 Mbit/s
95th percentile per-packet one-way delay: 102.316 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 59.20 Mbit/s
95th percentile per-packet one-way delay: 102.316 ms
Loss rate: 0.56%

Run 8: Report of TCP Cubic — Data Link

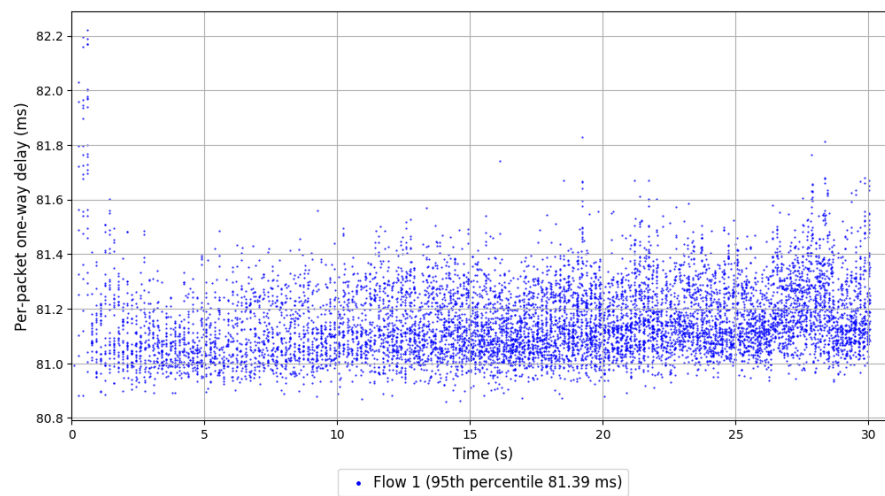
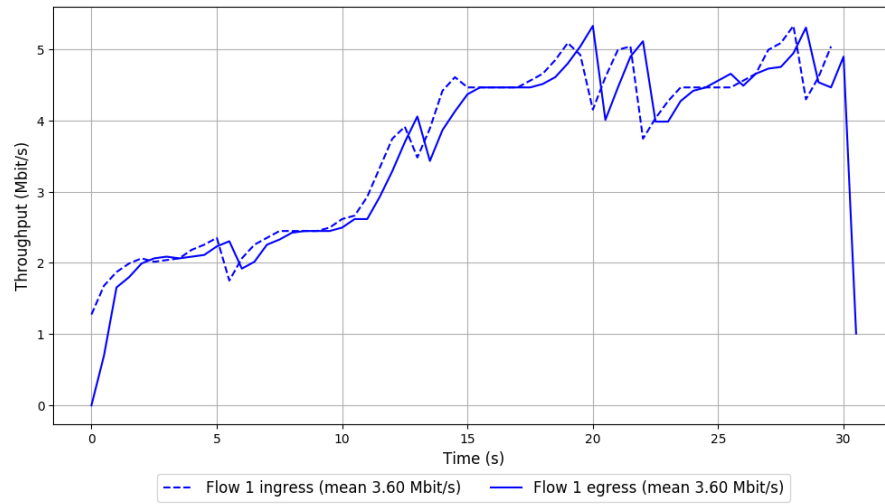


Run 9: Statistics of TCP Cubic

Start at: 2018-07-17 11:46:51
End at: 2018-07-17 11:47:21
Local clock offset: -9.909 ms
Remote clock offset: 11.737 ms

Below is generated by plot.py at 2018-07-17 12:16:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.60 Mbit/s
95th percentile per-packet one-way delay: 81.393 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 3.60 Mbit/s
95th percentile per-packet one-way delay: 81.393 ms
Loss rate: 0.07%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-17 12:06:40

End at: 2018-07-17 12:07:10

Local clock offset: -5.444 ms

Remote clock offset: 11.349 ms

Below is generated by plot.py at 2018-07-17 12:16:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.70 Mbit/s

95th percentile per-packet one-way delay: 100.738 ms

Loss rate: 0.33%

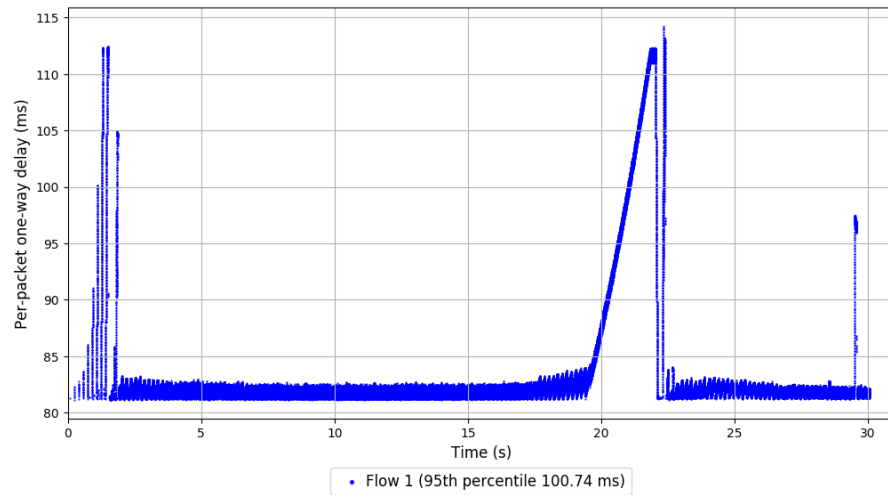
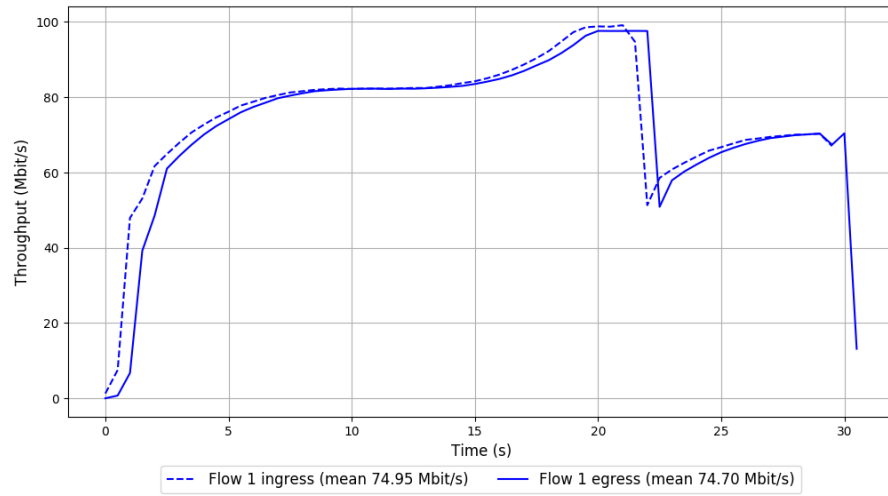
-- Flow 1:

Average throughput: 74.70 Mbit/s

95th percentile per-packet one-way delay: 100.738 ms

Loss rate: 0.33%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-07-17 08:53:06

End at: 2018-07-17 08:53:36

Local clock offset: -8.663 ms

Remote clock offset: 0.385 ms

Below is generated by plot.py at 2018-07-17 12:17:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.69 Mbit/s

95th percentile per-packet one-way delay: 108.724 ms

Loss rate: 7.61%

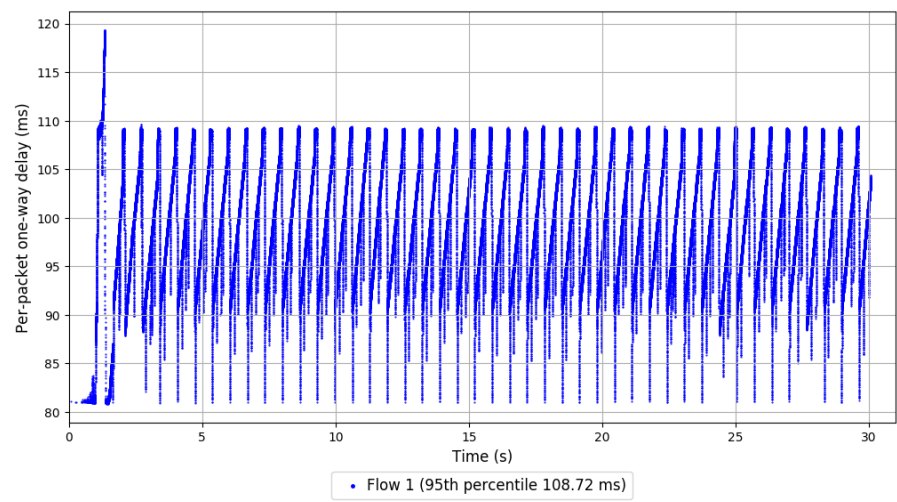
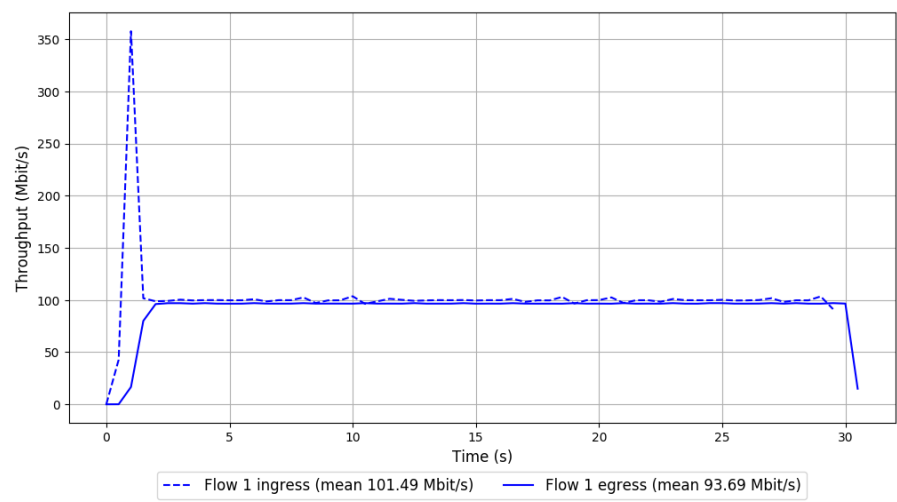
-- Flow 1:

Average throughput: 93.69 Mbit/s

95th percentile per-packet one-way delay: 108.724 ms

Loss rate: 7.61%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-07-17 09:12:57

End at: 2018-07-17 09:13:27

Local clock offset: -8.312 ms

Remote clock offset: 0.682 ms

Below is generated by plot.py at 2018-07-17 12:17:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.96 Mbit/s

95th percentile per-packet one-way delay: 110.662 ms

Loss rate: 7.31%

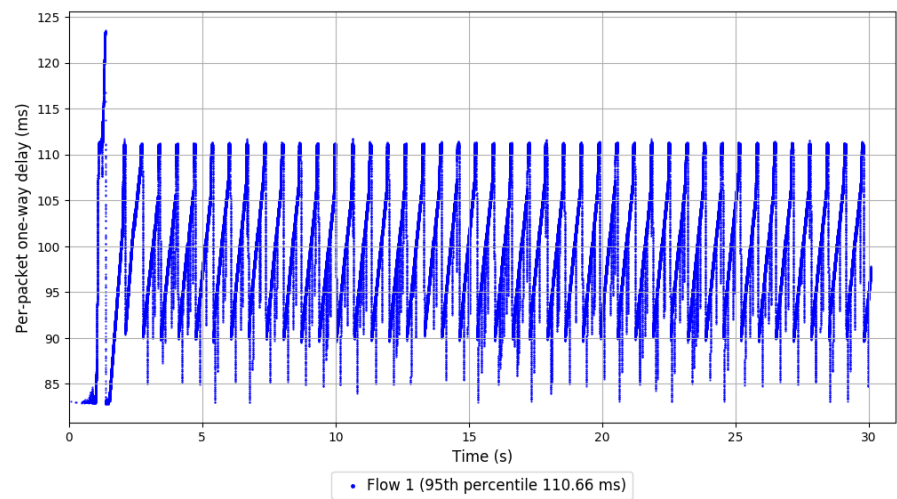
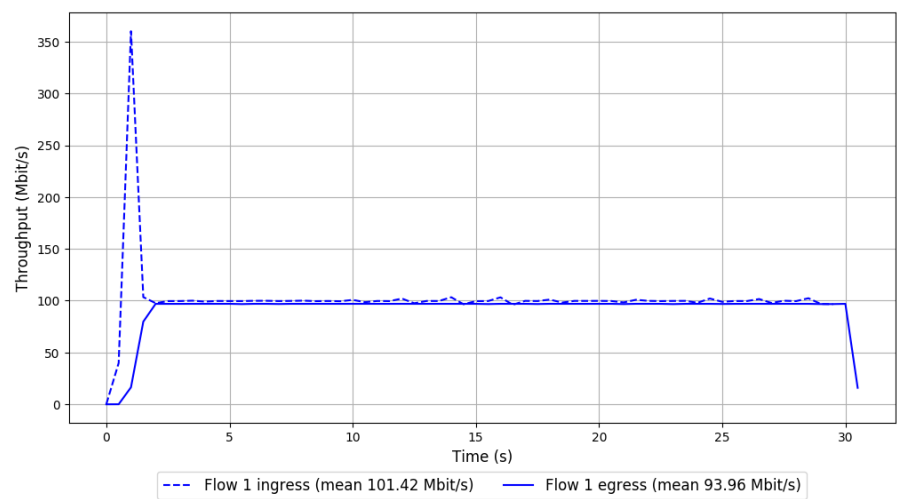
-- Flow 1:

Average throughput: 93.96 Mbit/s

95th percentile per-packet one-way delay: 110.662 ms

Loss rate: 7.31%

Run 2: Report of FillP — Data Link

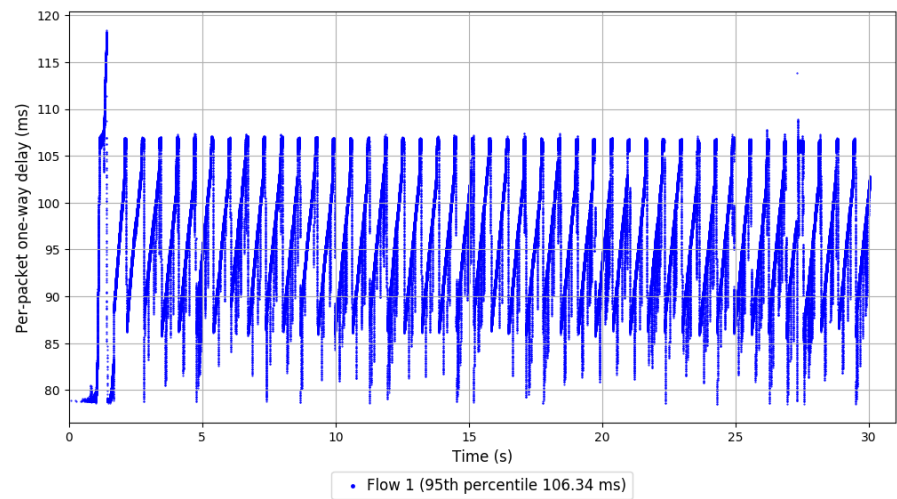
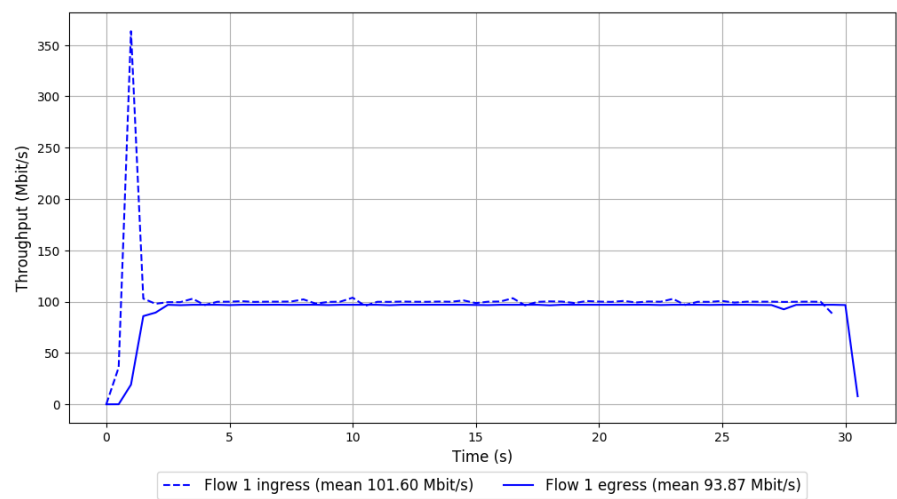


Run 3: Statistics of FillP

Start at: 2018-07-17 09:32:48
End at: 2018-07-17 09:33:18
Local clock offset: -9.746 ms
Remote clock offset: -1.555 ms

Below is generated by plot.py at 2018-07-17 12:17:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.87 Mbit/s
95th percentile per-packet one-way delay: 106.339 ms
Loss rate: 7.54%
-- Flow 1:
Average throughput: 93.87 Mbit/s
95th percentile per-packet one-way delay: 106.339 ms
Loss rate: 7.54%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-07-17 09:52:38

End at: 2018-07-17 09:53:08

Local clock offset: -11.02 ms

Remote clock offset: 3.708 ms

Below is generated by plot.py at 2018-07-17 12:17:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.73 Mbit/s

95th percentile per-packet one-way delay: 109.469 ms

Loss rate: 7.54%

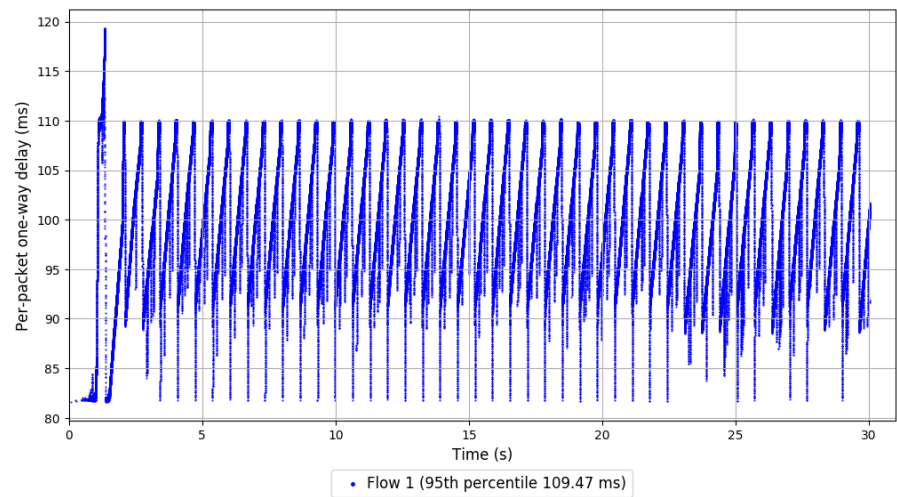
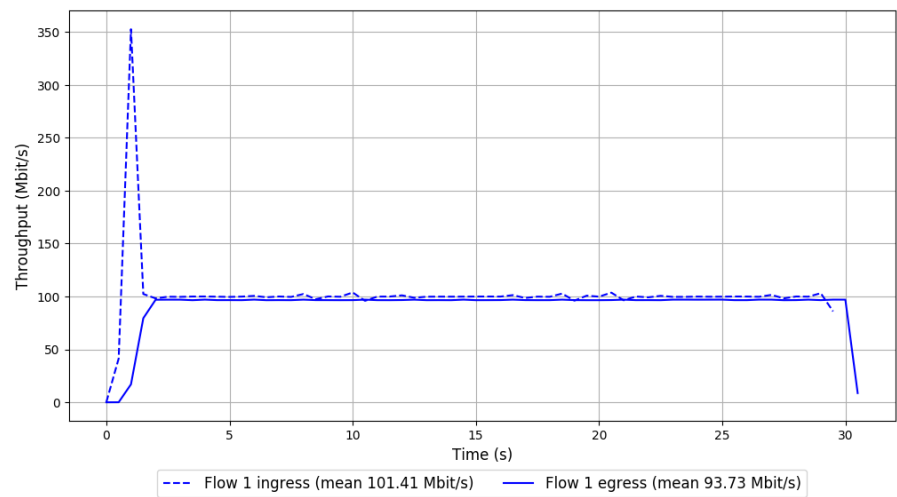
-- Flow 1:

Average throughput: 93.73 Mbit/s

95th percentile per-packet one-way delay: 109.469 ms

Loss rate: 7.54%

Run 4: Report of FillP — Data Link

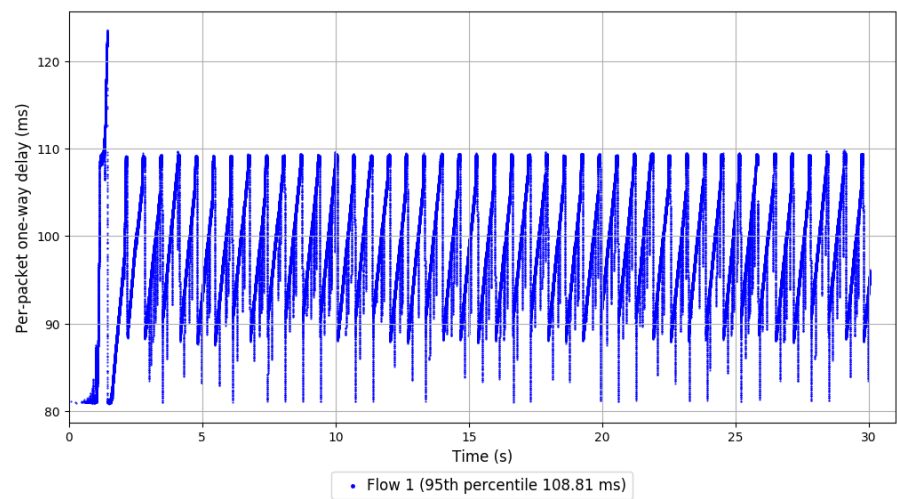
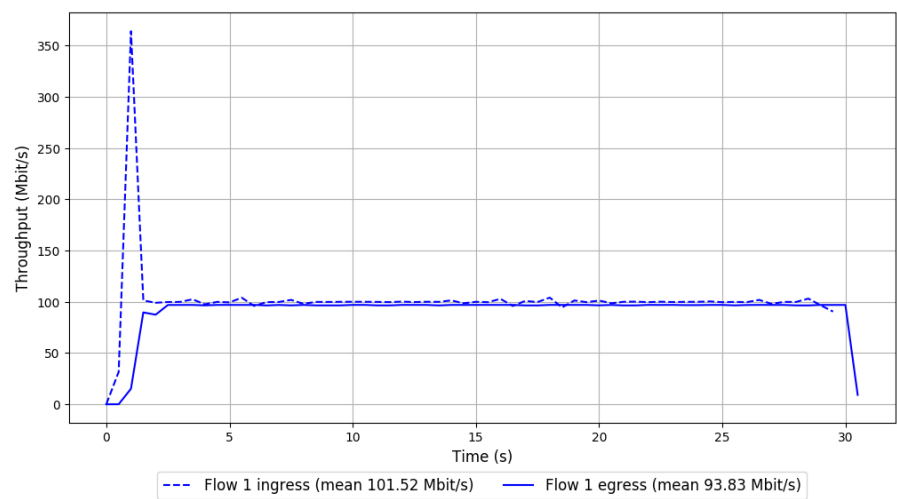


Run 5: Statistics of FillP

Start at: 2018-07-17 10:12:26
End at: 2018-07-17 10:12:56
Local clock offset: -9.866 ms
Remote clock offset: -4.587 ms

Below is generated by plot.py at 2018-07-17 12:17:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.83 Mbit/s
95th percentile per-packet one-way delay: 108.813 ms
Loss rate: 7.53%
-- Flow 1:
Average throughput: 93.83 Mbit/s
95th percentile per-packet one-way delay: 108.813 ms
Loss rate: 7.53%

Run 5: Report of FillP — Data Link

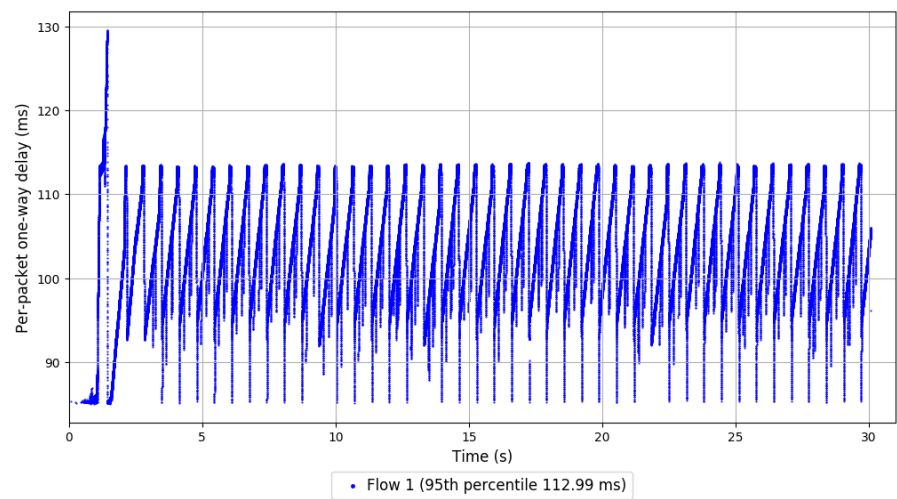
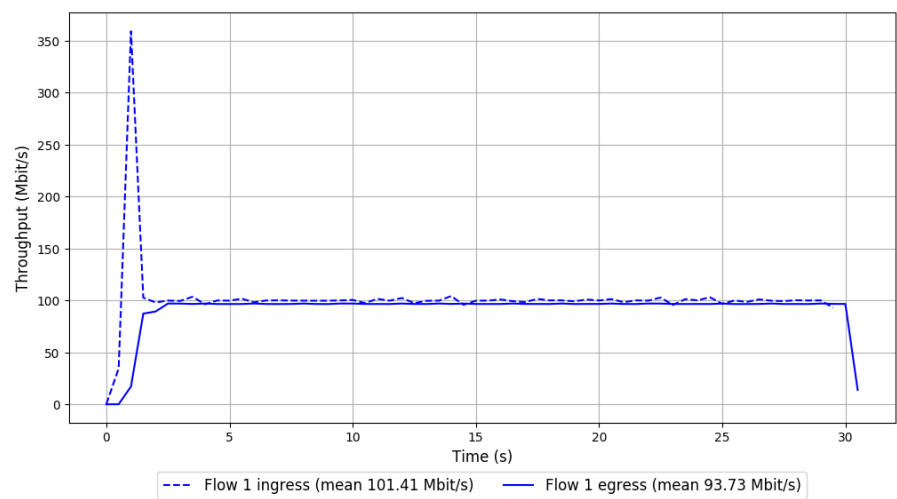


Run 6: Statistics of FillP

Start at: 2018-07-17 10:32:15
End at: 2018-07-17 10:32:45
Local clock offset: -9.269 ms
Remote clock offset: -5.754 ms

Below is generated by plot.py at 2018-07-17 12:17:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.73 Mbit/s
95th percentile per-packet one-way delay: 112.986 ms
Loss rate: 7.54%
-- Flow 1:
Average throughput: 93.73 Mbit/s
95th percentile per-packet one-way delay: 112.986 ms
Loss rate: 7.54%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-07-17 10:52:05

End at: 2018-07-17 10:52:35

Local clock offset: -8.729 ms

Remote clock offset: 5.002 ms

Below is generated by plot.py at 2018-07-17 12:17:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.07 Mbit/s

95th percentile per-packet one-way delay: 107.683 ms

Loss rate: 7.13%

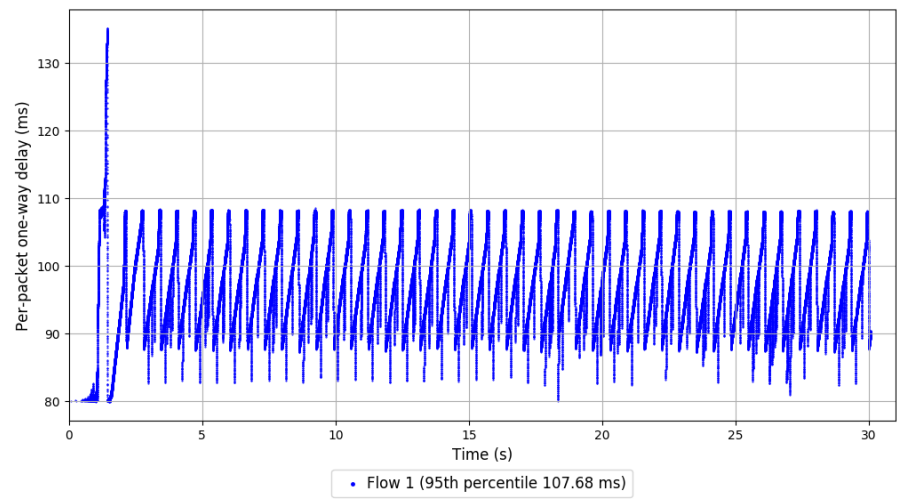
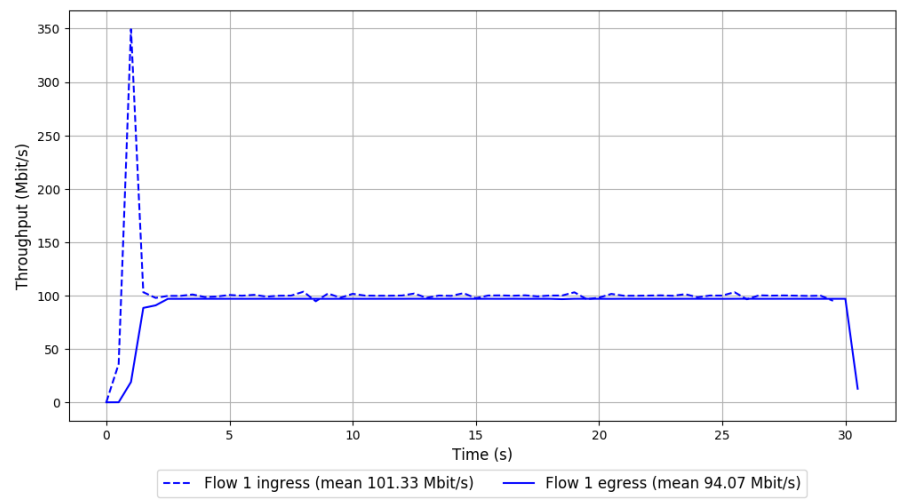
-- Flow 1:

Average throughput: 94.07 Mbit/s

95th percentile per-packet one-way delay: 107.683 ms

Loss rate: 7.13%

Run 7: Report of FillP — Data Link

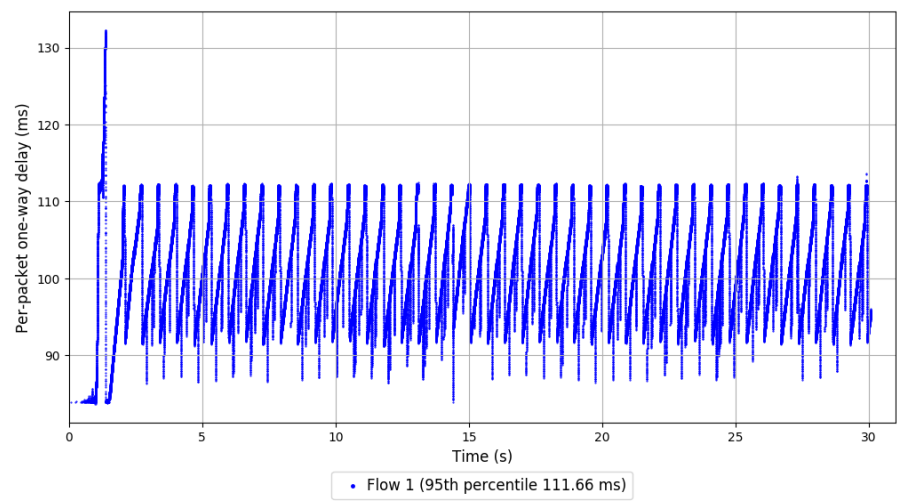
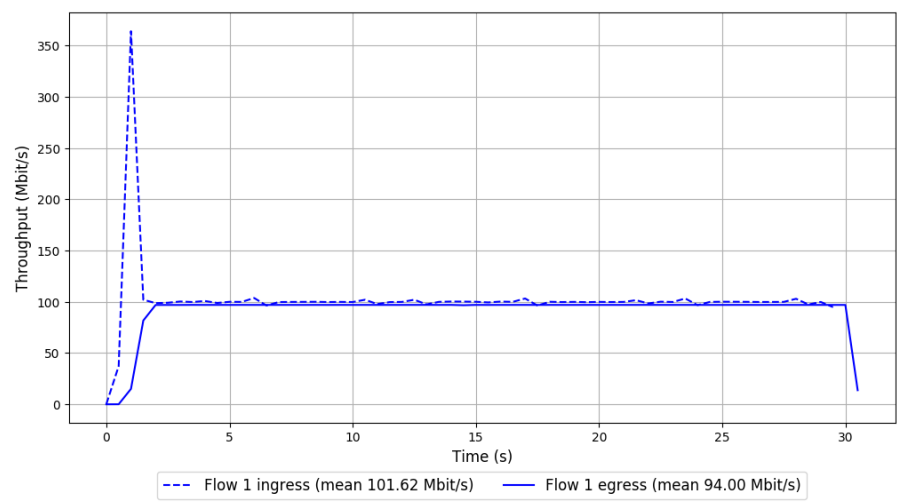


Run 8: Statistics of FillP

Start at: 2018-07-17 11:11:52
End at: 2018-07-17 11:12:22
Local clock offset: -8.756 ms
Remote clock offset: 13.763 ms

Below is generated by plot.py at 2018-07-17 12:18:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.00 Mbit/s
95th percentile per-packet one-way delay: 111.664 ms
Loss rate: 7.45%
-- Flow 1:
Average throughput: 94.00 Mbit/s
95th percentile per-packet one-way delay: 111.664 ms
Loss rate: 7.45%

Run 8: Report of FillP — Data Link

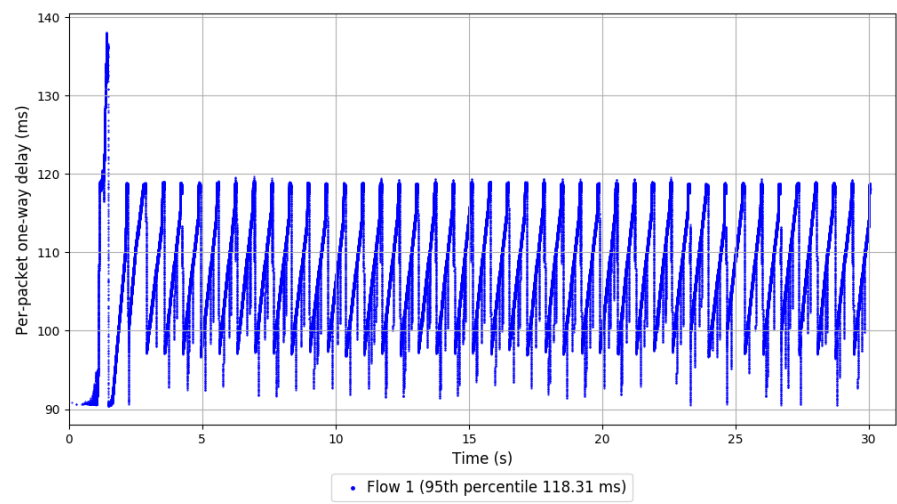
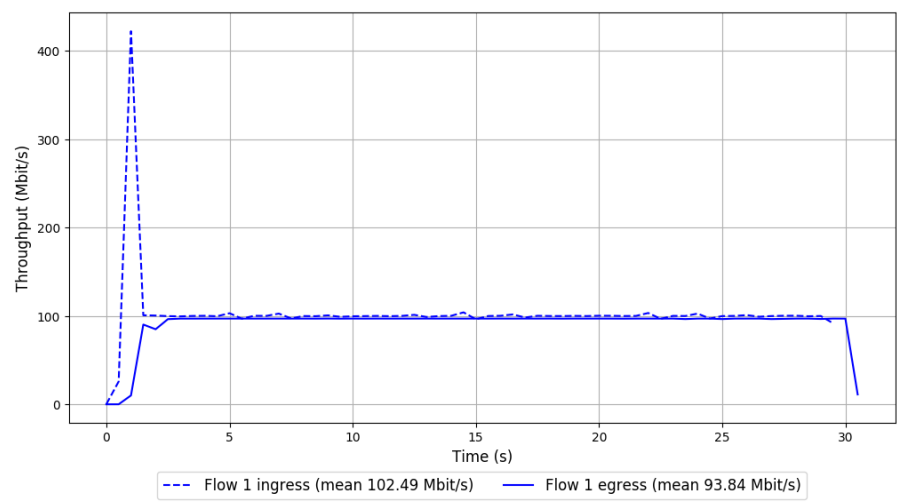


Run 9: Statistics of FillP

Start at: 2018-07-17 11:31:42
End at: 2018-07-17 11:32:12
Local clock offset: -9.336 ms
Remote clock offset: 16.454 ms

Below is generated by plot.py at 2018-07-17 12:18:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.84 Mbit/s
95th percentile per-packet one-way delay: 118.312 ms
Loss rate: 8.37%
-- Flow 1:
Average throughput: 93.84 Mbit/s
95th percentile per-packet one-way delay: 118.312 ms
Loss rate: 8.37%

Run 9: Report of FillP — Data Link

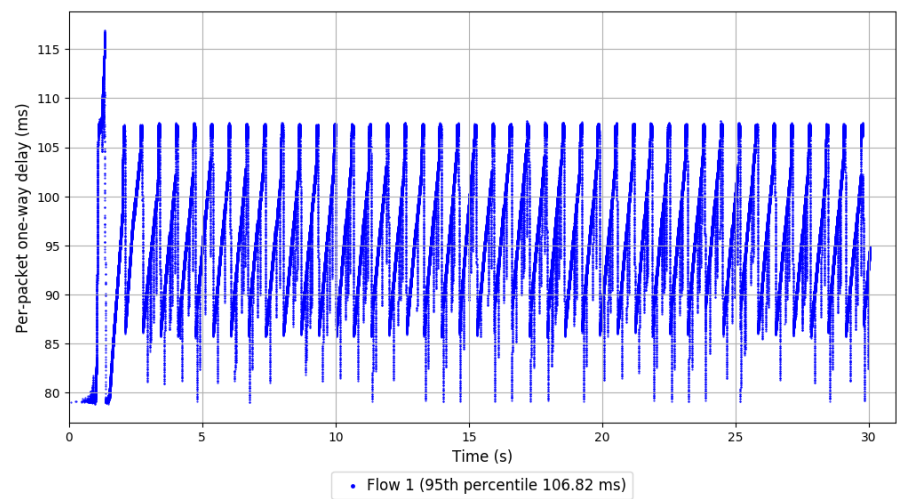
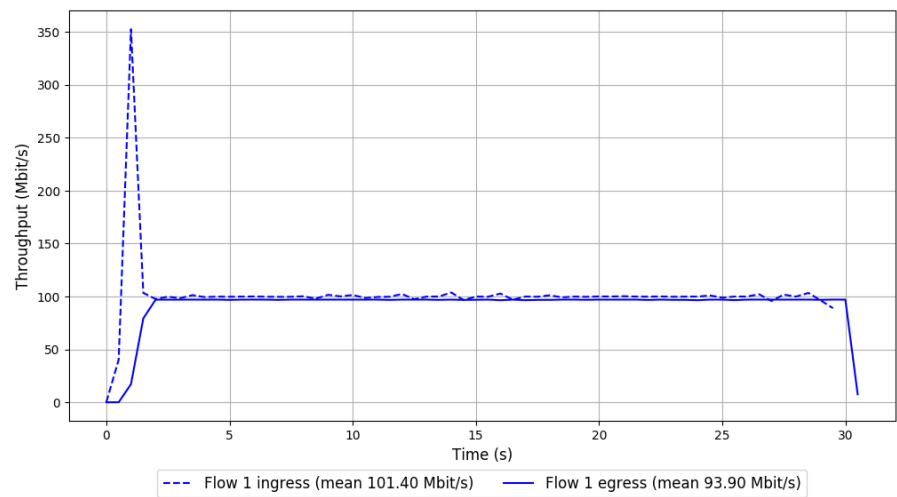


Run 10: Statistics of FillP

Start at: 2018-07-17 11:51:31
End at: 2018-07-17 11:52:01
Local clock offset: -10.049 ms
Remote clock offset: 11.101 ms

Below is generated by plot.py at 2018-07-17 12:19:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.90 Mbit/s
95th percentile per-packet one-way delay: 106.819 ms
Loss rate: 7.35%
-- Flow 1:
Average throughput: 93.90 Mbit/s
95th percentile per-packet one-way delay: 106.819 ms
Loss rate: 7.35%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-17 08:57:54

End at: 2018-07-17 08:58:24

Local clock offset: -8.694 ms

Remote clock offset: 4.15 ms

Below is generated by plot.py at 2018-07-17 12:19:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.56 Mbit/s

95th percentile per-packet one-way delay: 109.975 ms

Loss rate: 2.25%

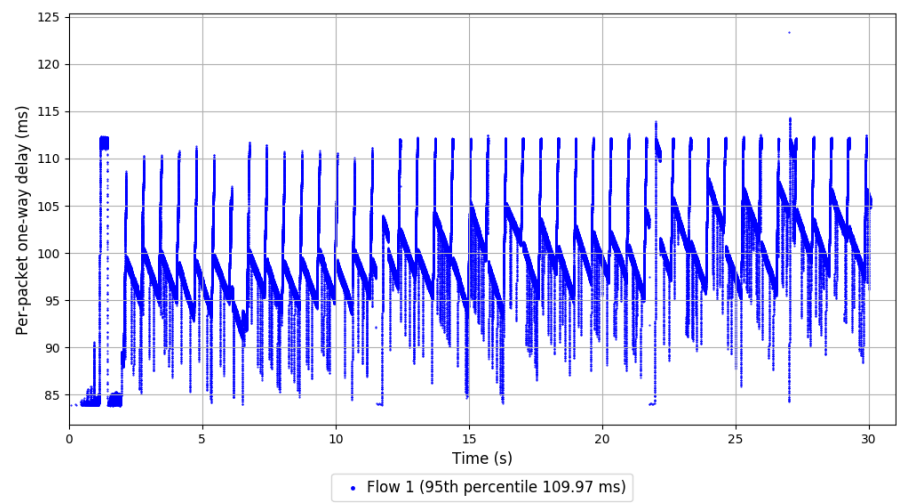
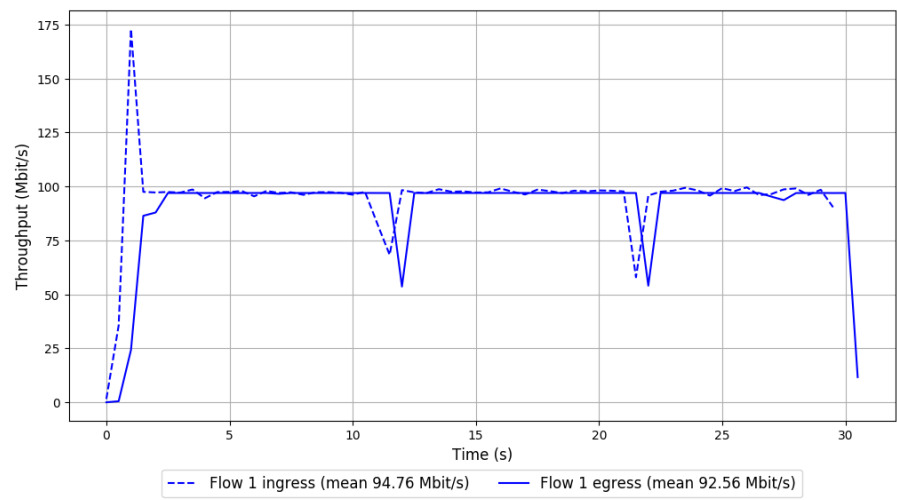
-- Flow 1:

Average throughput: 92.56 Mbit/s

95th percentile per-packet one-way delay: 109.975 ms

Loss rate: 2.25%

Run 1: Report of FillP-Sheep — Data Link

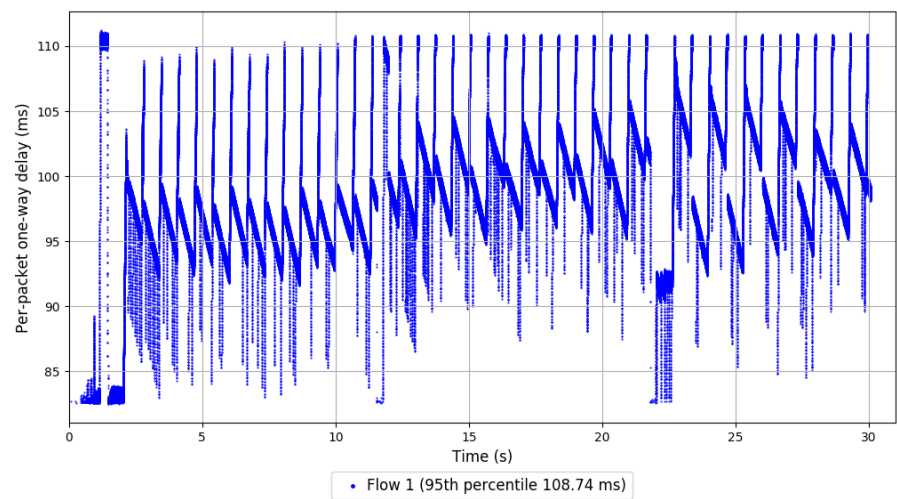
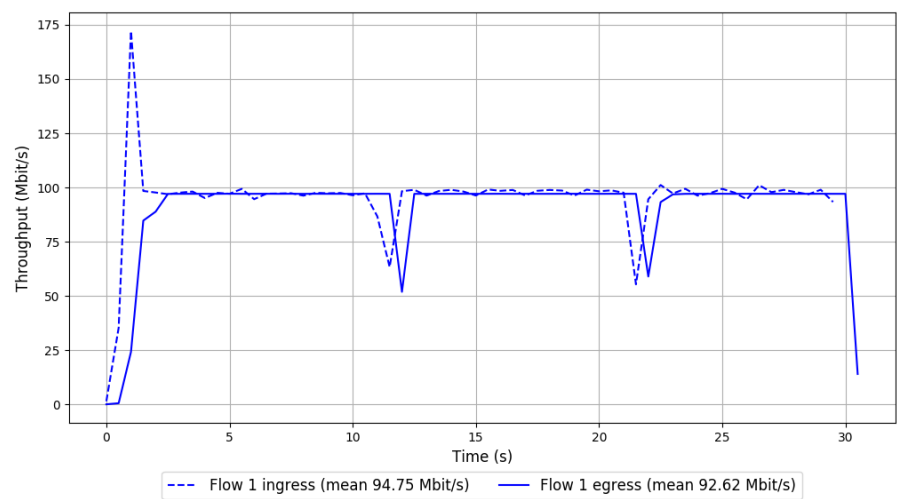


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-17 09:17:43
End at: 2018-07-17 09:18:13
Local clock offset: -8.175 ms
Remote clock offset: -2.673 ms

Below is generated by plot.py at 2018-07-17 12:19:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.62 Mbit/s
95th percentile per-packet one-way delay: 108.739 ms
Loss rate: 2.20%
-- Flow 1:
Average throughput: 92.62 Mbit/s
95th percentile per-packet one-way delay: 108.739 ms
Loss rate: 2.20%

Run 2: Report of FillP-Sheep — Data Link

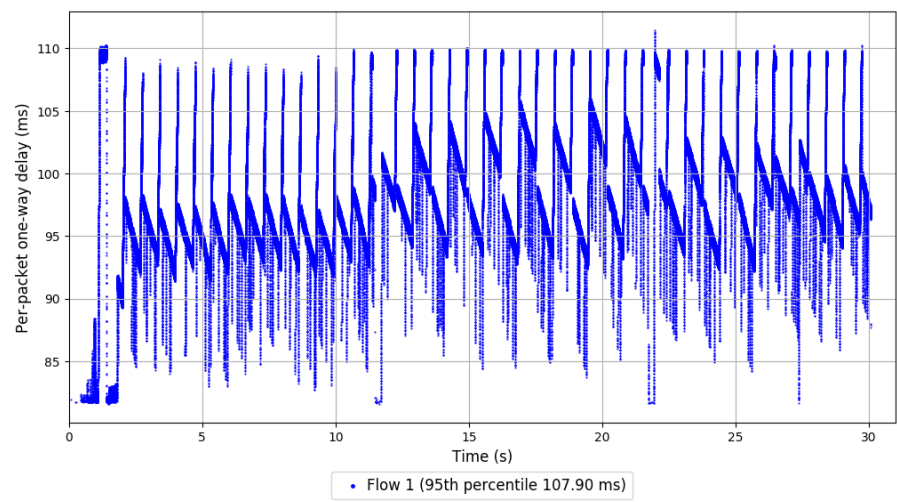
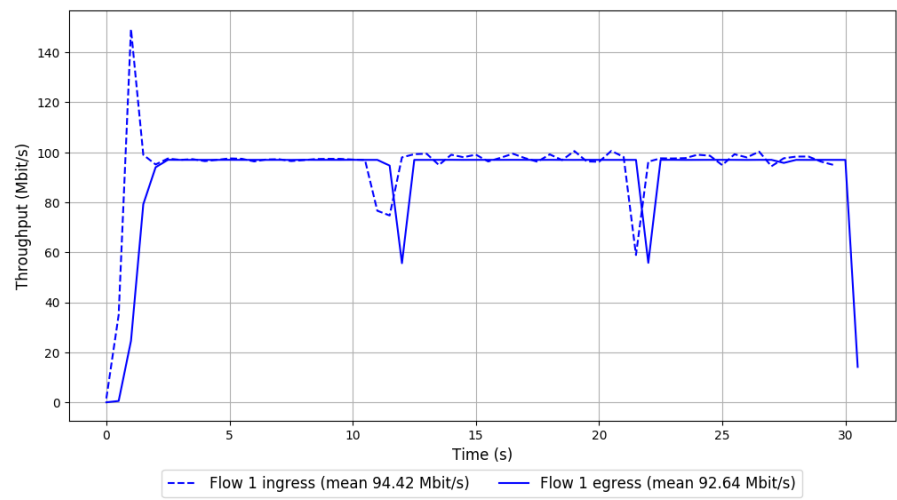


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-17 09:37:35
End at: 2018-07-17 09:38:05
Local clock offset: -10.292 ms
Remote clock offset: 1.59 ms

Below is generated by plot.py at 2018-07-17 12:19:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.64 Mbit/s
95th percentile per-packet one-way delay: 107.897 ms
Loss rate: 1.86%
-- Flow 1:
Average throughput: 92.64 Mbit/s
95th percentile per-packet one-way delay: 107.897 ms
Loss rate: 1.86%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-07-17 09:57:23

End at: 2018-07-17 09:57:53

Local clock offset: -10.84 ms

Remote clock offset: 4.084 ms

Below is generated by plot.py at 2018-07-17 12:19:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.77 Mbit/s

95th percentile per-packet one-way delay: 107.366 ms

Loss rate: 2.08%

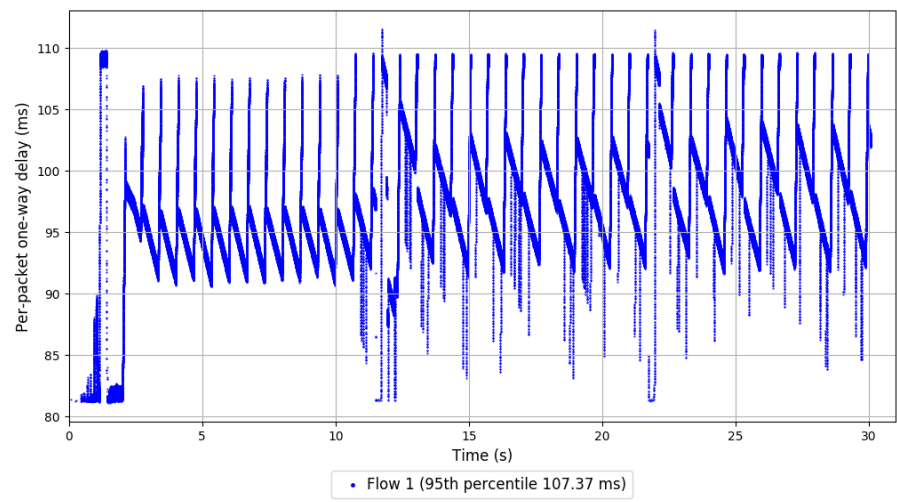
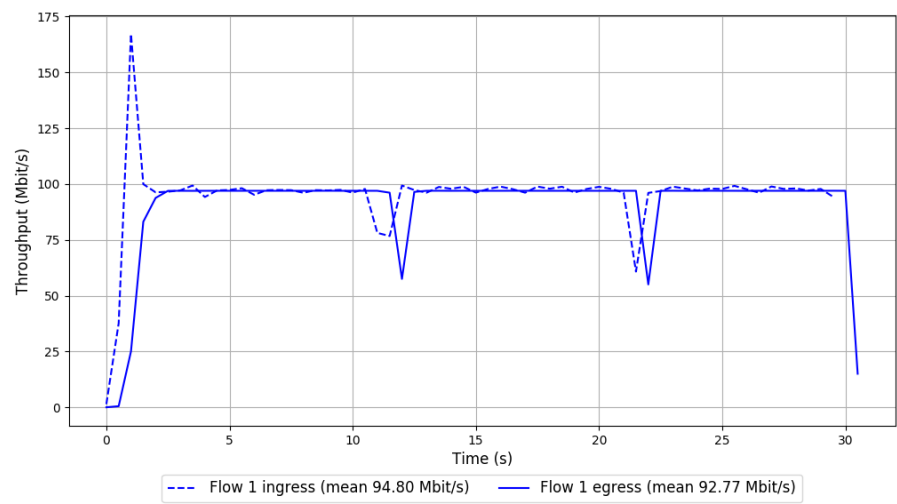
-- Flow 1:

Average throughput: 92.77 Mbit/s

95th percentile per-packet one-way delay: 107.366 ms

Loss rate: 2.08%

Run 4: Report of FillP-Sheep — Data Link

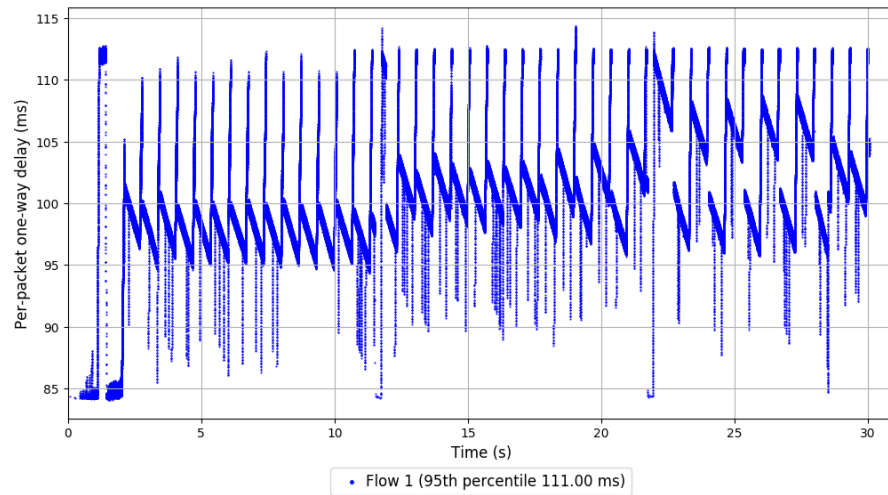
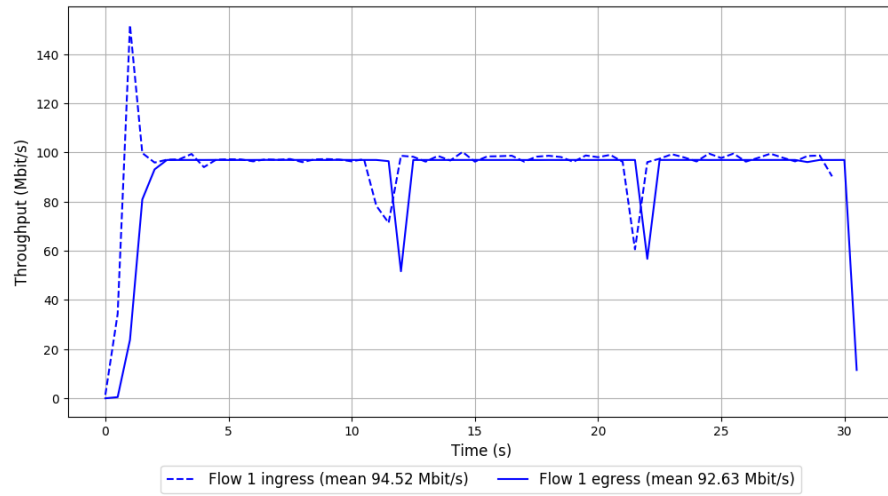


Run 5: Statistics of FillP-Sheep

Start at: 2018-07-17 10:17:11
End at: 2018-07-17 10:17:41
Local clock offset: -9.682 ms
Remote clock offset: -2.278 ms

Below is generated by plot.py at 2018-07-17 12:19:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.63 Mbit/s
95th percentile per-packet one-way delay: 111.004 ms
Loss rate: 1.93%
-- Flow 1:
Average throughput: 92.63 Mbit/s
95th percentile per-packet one-way delay: 111.004 ms
Loss rate: 1.93%

Run 5: Report of FillP-Sheep — Data Link

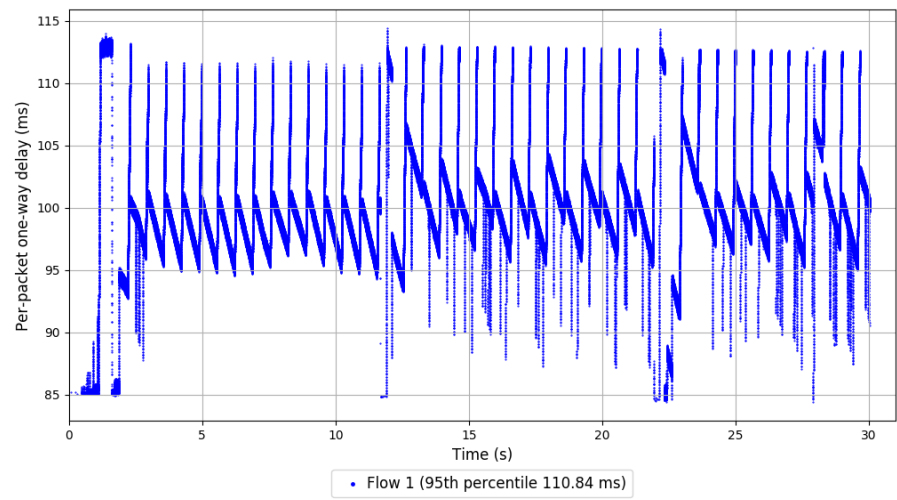
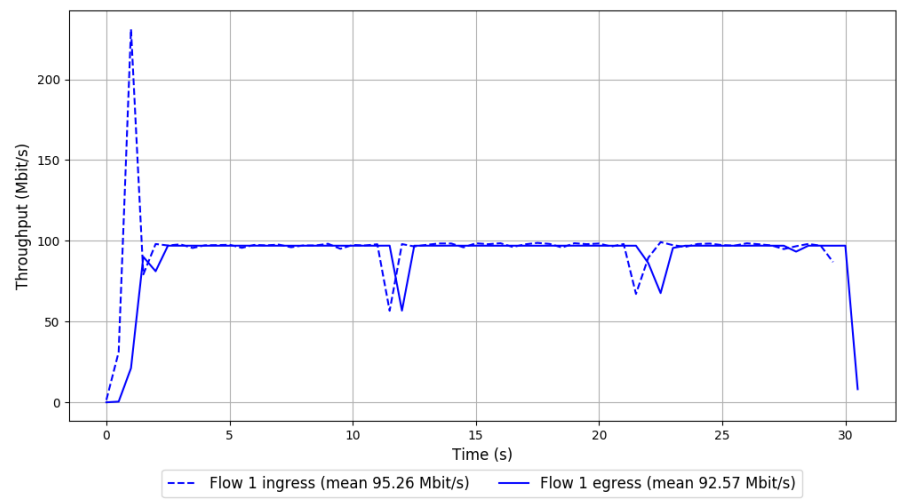


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-17 10:37:00
End at: 2018-07-17 10:37:30
Local clock offset: -9.068 ms
Remote clock offset: -5.463 ms

Below is generated by plot.py at 2018-07-17 12:19:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.57 Mbit/s
95th percentile per-packet one-way delay: 110.840 ms
Loss rate: 2.81%
-- Flow 1:
Average throughput: 92.57 Mbit/s
95th percentile per-packet one-way delay: 110.840 ms
Loss rate: 2.81%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-07-17 10:56:49

End at: 2018-07-17 10:57:19

Local clock offset: -8.698 ms

Remote clock offset: 11.66 ms

Below is generated by plot.py at 2018-07-17 12:20:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.65 Mbit/s

95th percentile per-packet one-way delay: 109.855 ms

Loss rate: 2.94%

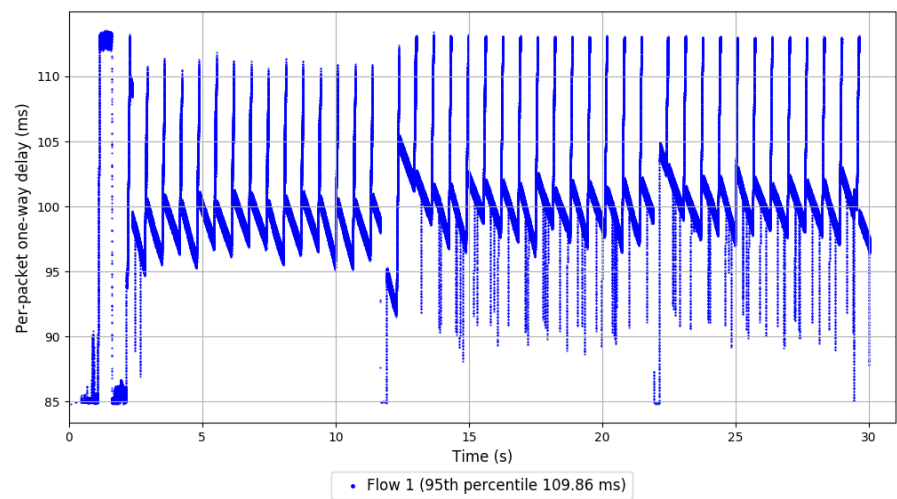
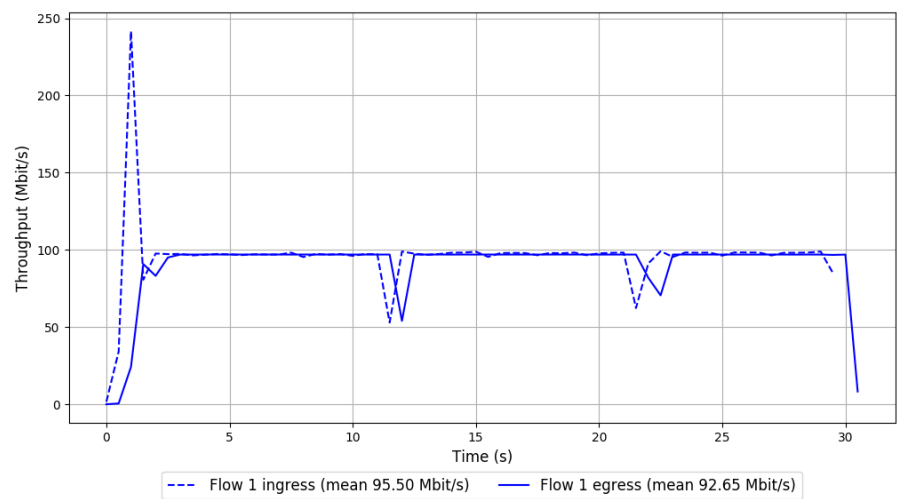
-- Flow 1:

Average throughput: 92.65 Mbit/s

95th percentile per-packet one-way delay: 109.855 ms

Loss rate: 2.94%

Run 7: Report of FillP-Sheep — Data Link

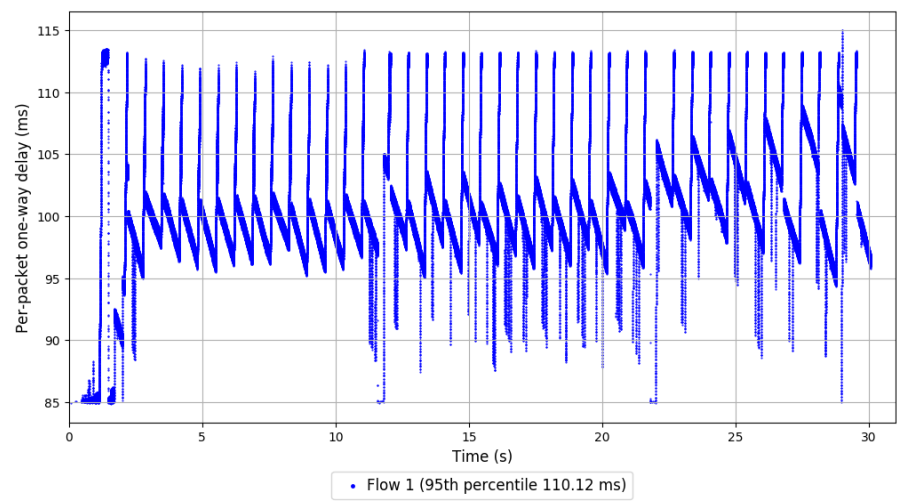
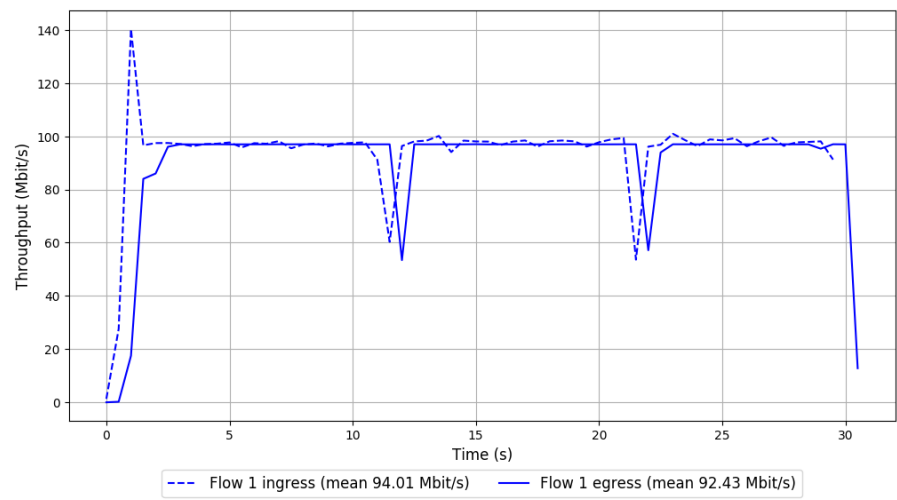


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-17 11:16:38
End at: 2018-07-17 11:17:08
Local clock offset: -8.739 ms
Remote clock offset: 8.973 ms

Below is generated by plot.py at 2018-07-17 12:20:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.43 Mbit/s
95th percentile per-packet one-way delay: 110.120 ms
Loss rate: 1.66%
-- Flow 1:
Average throughput: 92.43 Mbit/s
95th percentile per-packet one-way delay: 110.120 ms
Loss rate: 1.66%

Run 8: Report of FillP-Sheep — Data Link

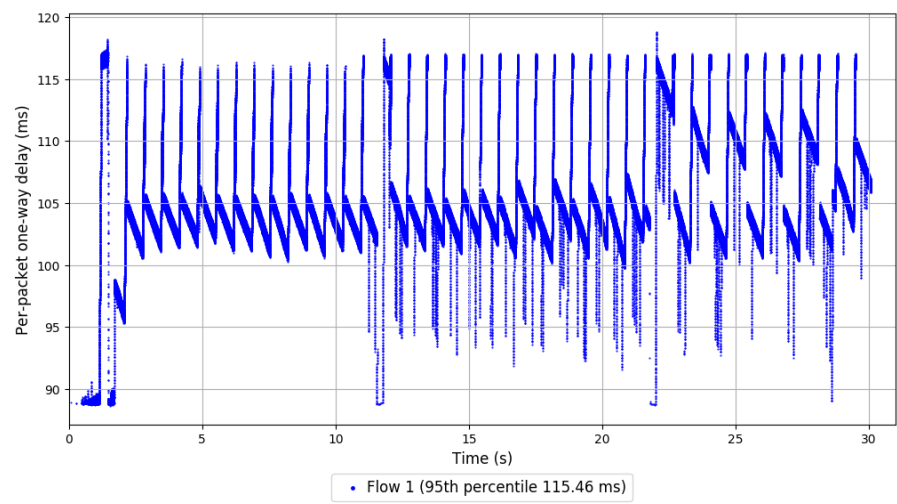
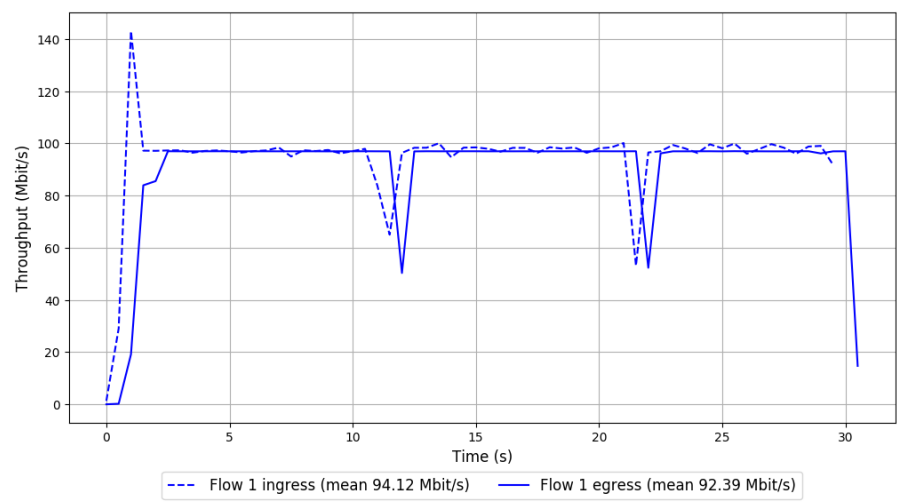


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-17 11:36:27
End at: 2018-07-17 11:36:57
Local clock offset: -9.618 ms
Remote clock offset: 15.036 ms

Below is generated by plot.py at 2018-07-17 12:20:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.39 Mbit/s
95th percentile per-packet one-way delay: 115.461 ms
Loss rate: 1.80%
-- Flow 1:
Average throughput: 92.39 Mbit/s
95th percentile per-packet one-way delay: 115.461 ms
Loss rate: 1.80%

Run 9: Report of FillP-Sheep — Data Link

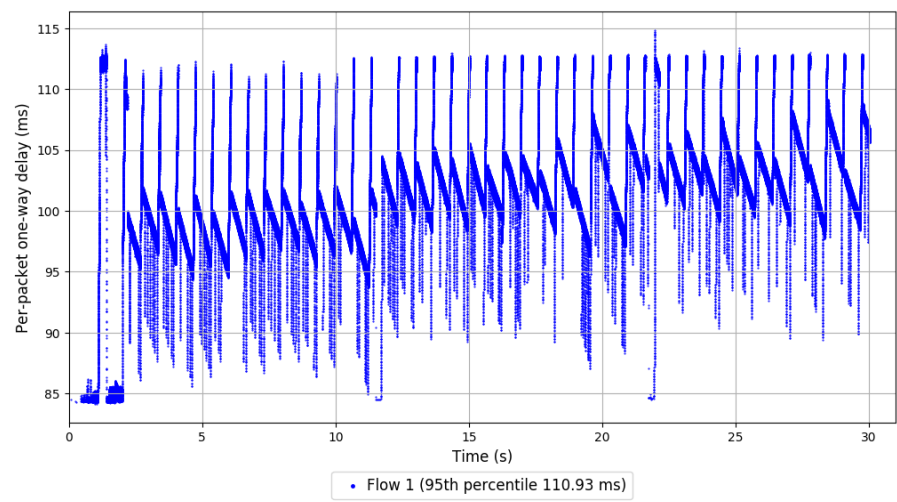
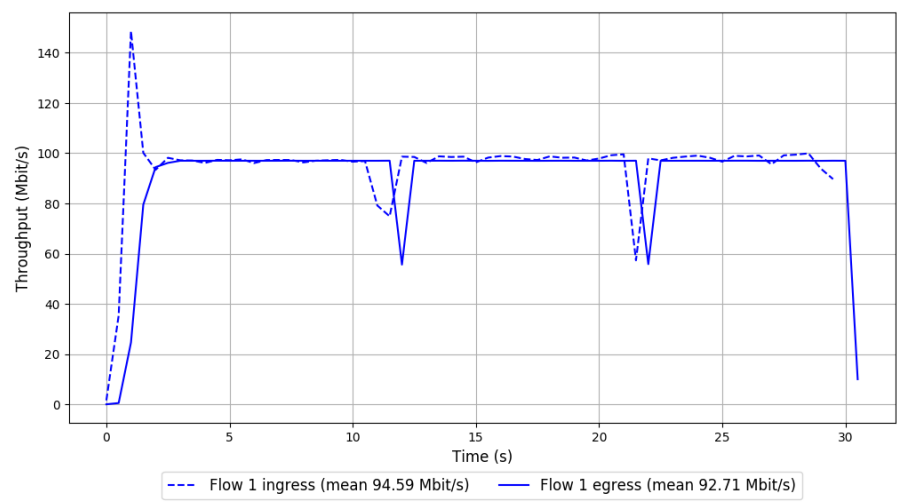


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-17 11:56:17
End at: 2018-07-17 11:56:47
Local clock offset: -9.536 ms
Remote clock offset: 15.821 ms

Below is generated by plot.py at 2018-07-17 12:20:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.71 Mbit/s
95th percentile per-packet one-way delay: 110.932 ms
Loss rate: 1.91%
-- Flow 1:
Average throughput: 92.71 Mbit/s
95th percentile per-packet one-way delay: 110.932 ms
Loss rate: 1.91%

Run 10: Report of FillP-Sheep — Data Link

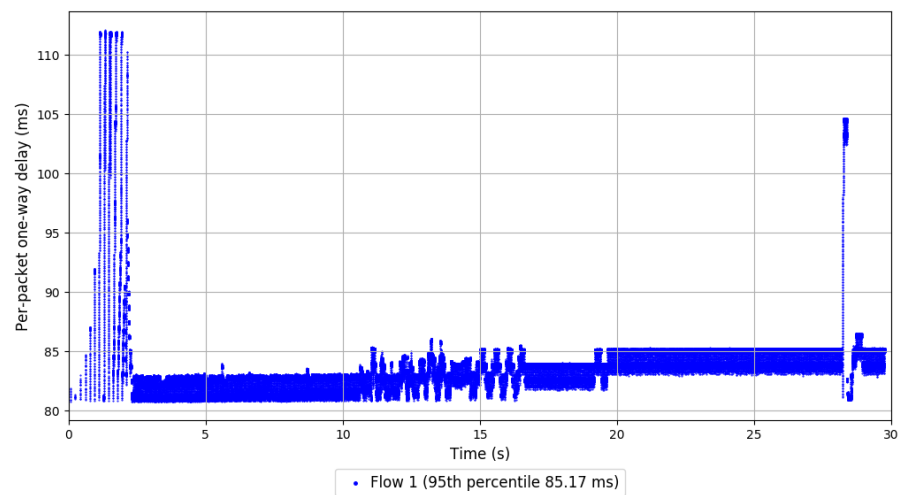
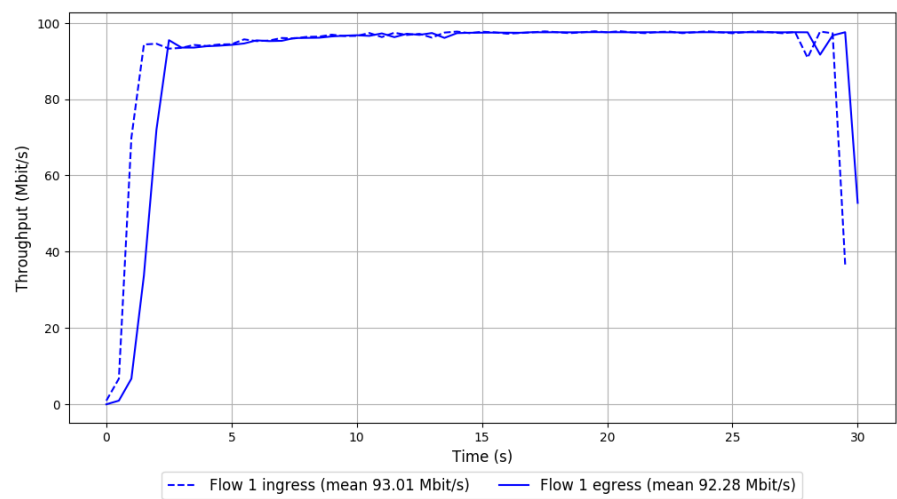


```
Run 1: Statistics of Indigo

Start at: 2018-07-17 08:54:17
End at: 2018-07-17 08:54:47
Local clock offset: -8.705 ms
Remote clock offset: 0.251 ms

# Below is generated by plot.py at 2018-07-17 12:20:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.28 Mbit/s
95th percentile per-packet one-way delay: 85.165 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 92.28 Mbit/s
95th percentile per-packet one-way delay: 85.165 ms
Loss rate: 0.76%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-07-17 09:14:08

End at: 2018-07-17 09:14:38

Local clock offset: -8.287 ms

Remote clock offset: 1.517 ms

Below is generated by plot.py at 2018-07-17 12:20:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.99 Mbit/s

95th percentile per-packet one-way delay: 92.788 ms

Loss rate: 1.13%

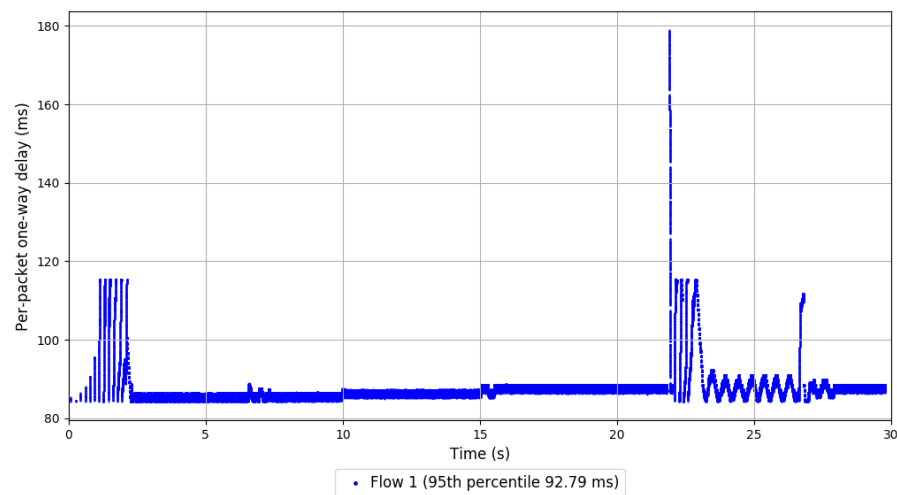
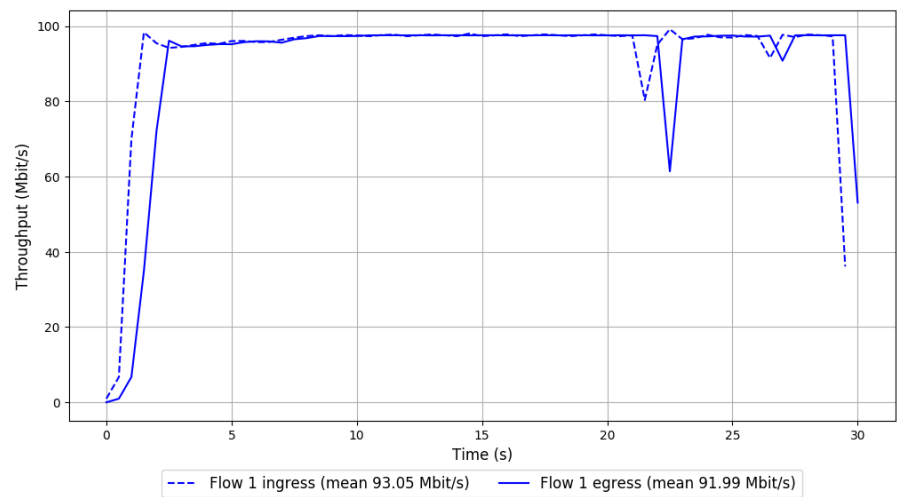
-- Flow 1:

Average throughput: 91.99 Mbit/s

95th percentile per-packet one-way delay: 92.788 ms

Loss rate: 1.13%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-17 09:33:59

End at: 2018-07-17 09:34:29

Local clock offset: -9.94 ms

Remote clock offset: 5.131 ms

Below is generated by plot.py at 2018-07-17 12:20:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.09 Mbit/s

95th percentile per-packet one-way delay: 88.404 ms

Loss rate: 0.75%

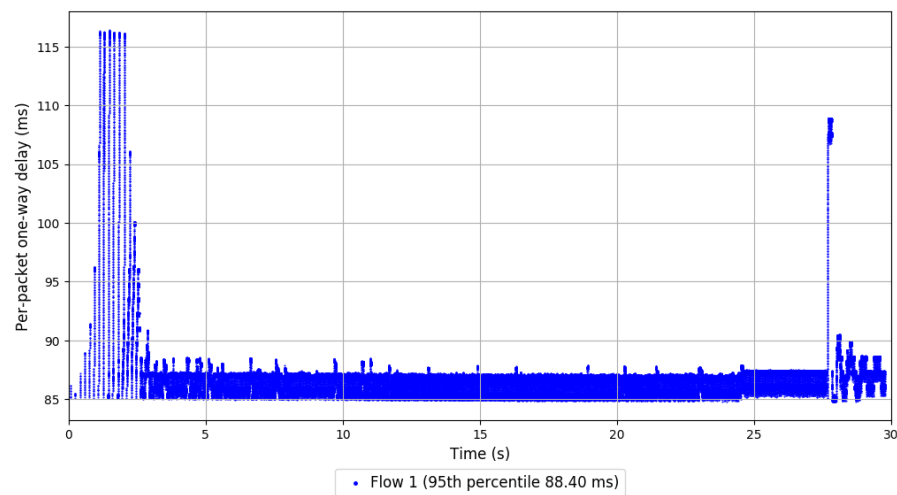
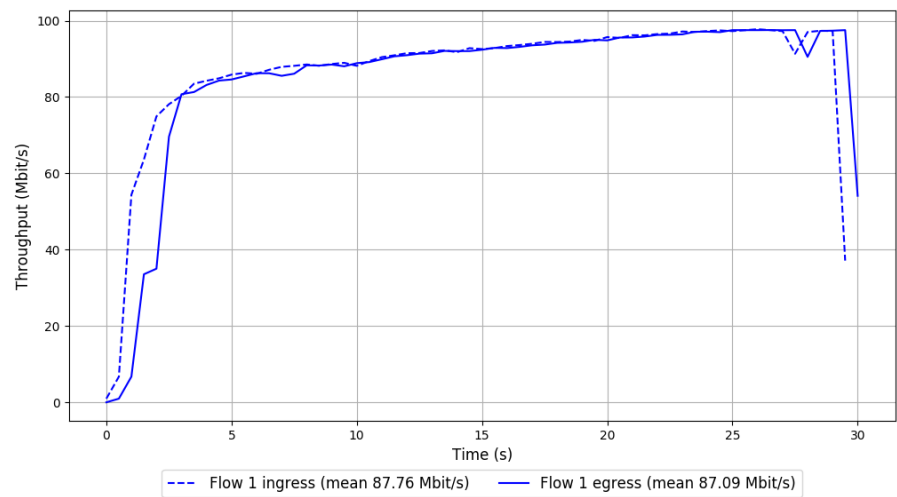
-- Flow 1:

Average throughput: 87.09 Mbit/s

95th percentile per-packet one-way delay: 88.404 ms

Loss rate: 0.75%

Run 3: Report of Indigo — Data Link

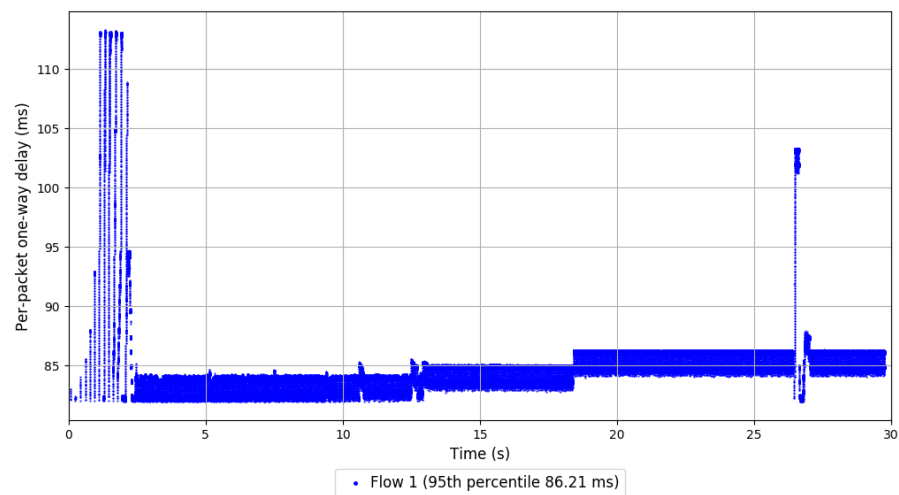
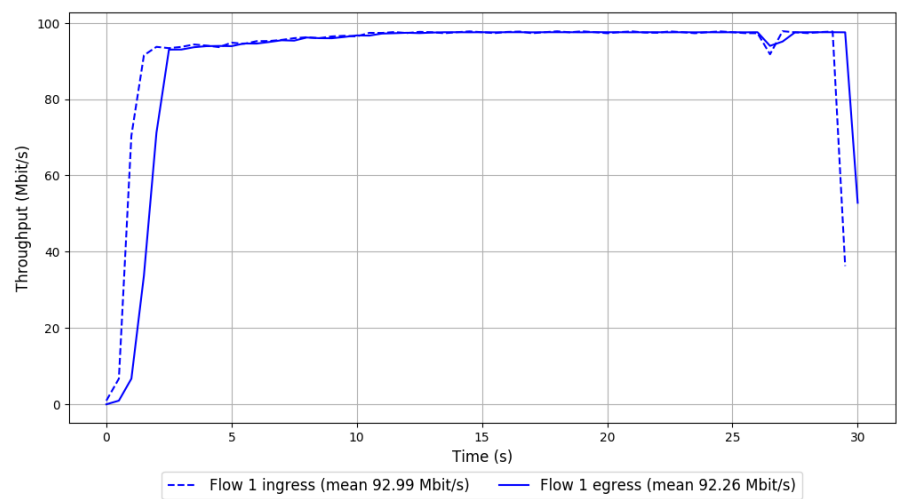


Run 4: Statistics of Indigo

Start at: 2018-07-17 09:53:48
End at: 2018-07-17 09:54:18
Local clock offset: -11.052 ms
Remote clock offset: 3.991 ms

Below is generated by plot.py at 2018-07-17 12:20:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.26 Mbit/s
95th percentile per-packet one-way delay: 86.209 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 92.26 Mbit/s
95th percentile per-packet one-way delay: 86.209 ms
Loss rate: 0.78%

Run 4: Report of Indigo — Data Link

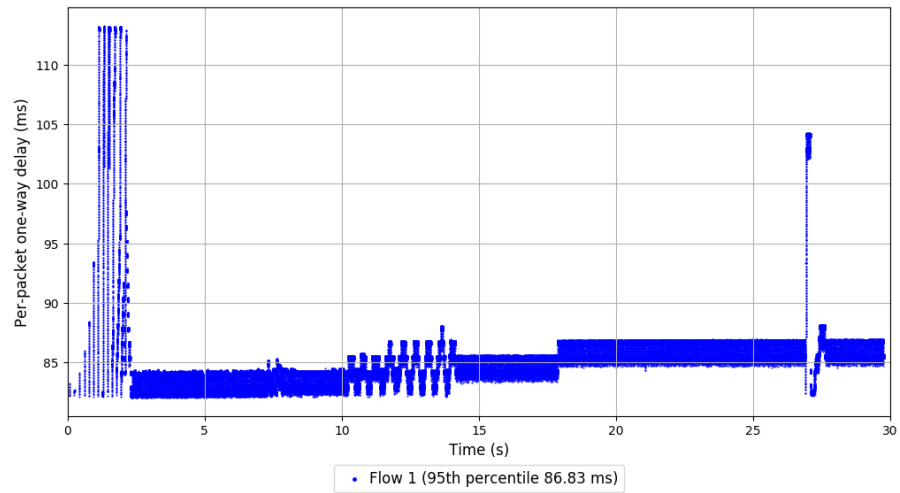
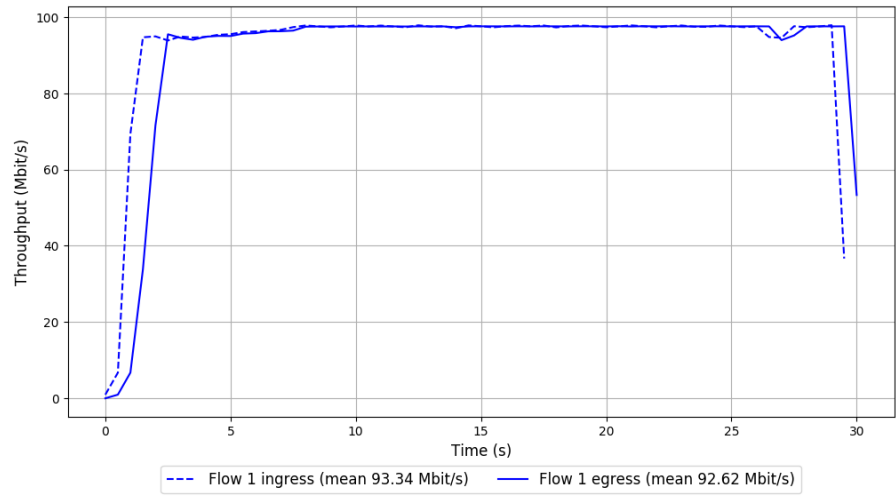


Run 5: Statistics of Indigo

Start at: 2018-07-17 10:13:37
End at: 2018-07-17 10:14:07
Local clock offset: -9.83 ms
Remote clock offset: -3.854 ms

Below is generated by plot.py at 2018-07-17 12:21:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.62 Mbit/s
95th percentile per-packet one-way delay: 86.833 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 92.62 Mbit/s
95th percentile per-packet one-way delay: 86.833 ms
Loss rate: 0.77%

Run 5: Report of Indigo — Data Link

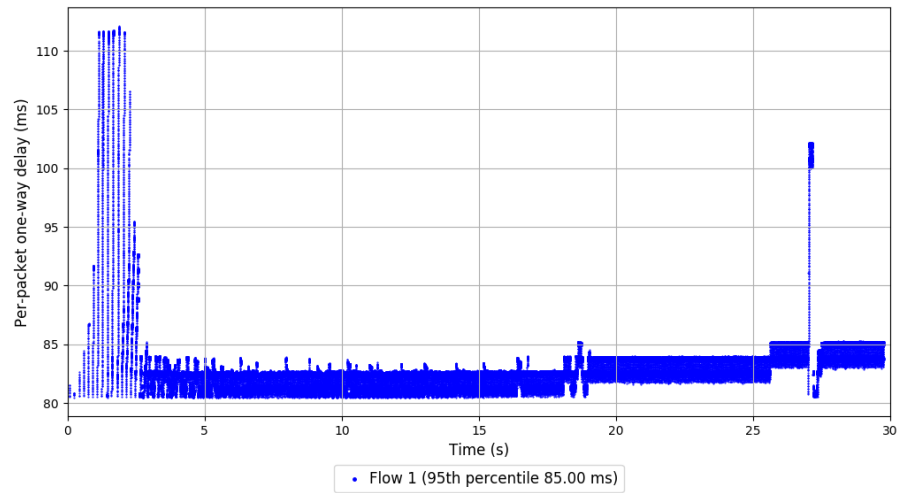
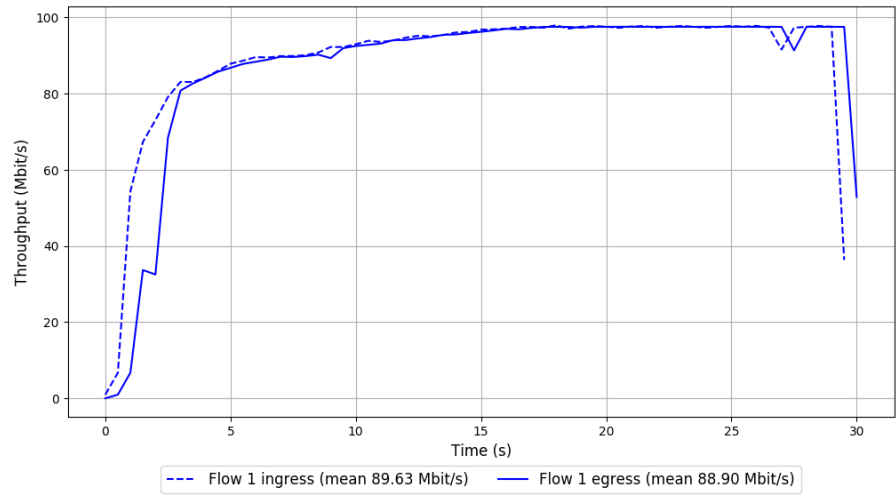


Run 6: Statistics of Indigo

Start at: 2018-07-17 10:33:26
End at: 2018-07-17 10:33:56
Local clock offset: -9.193 ms
Remote clock offset: -8.666 ms

Below is generated by plot.py at 2018-07-17 12:21:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.90 Mbit/s
95th percentile per-packet one-way delay: 84.997 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 88.90 Mbit/s
95th percentile per-packet one-way delay: 84.997 ms
Loss rate: 0.80%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-07-17 10:53:15

End at: 2018-07-17 10:53:45

Local clock offset: -8.704 ms

Remote clock offset: 5.469 ms

Below is generated by plot.py at 2018-07-17 12:21:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.30 Mbit/s

95th percentile per-packet one-way delay: 85.816 ms

Loss rate: 0.80%

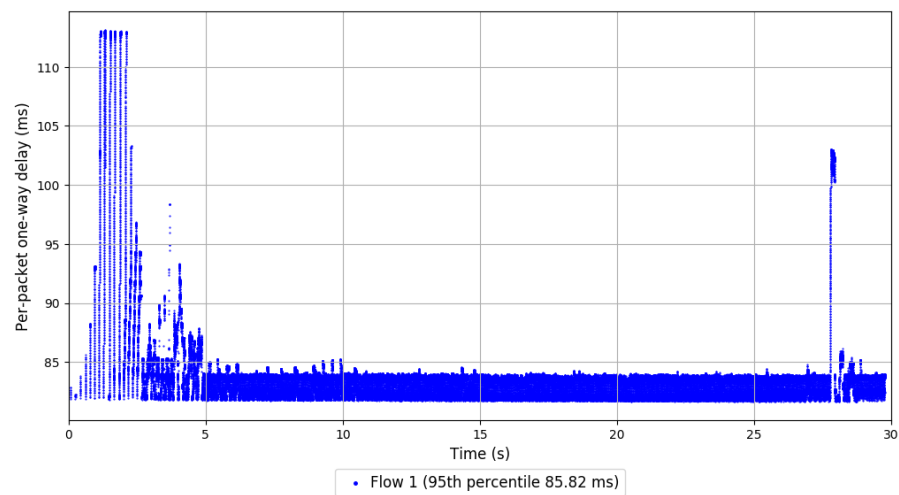
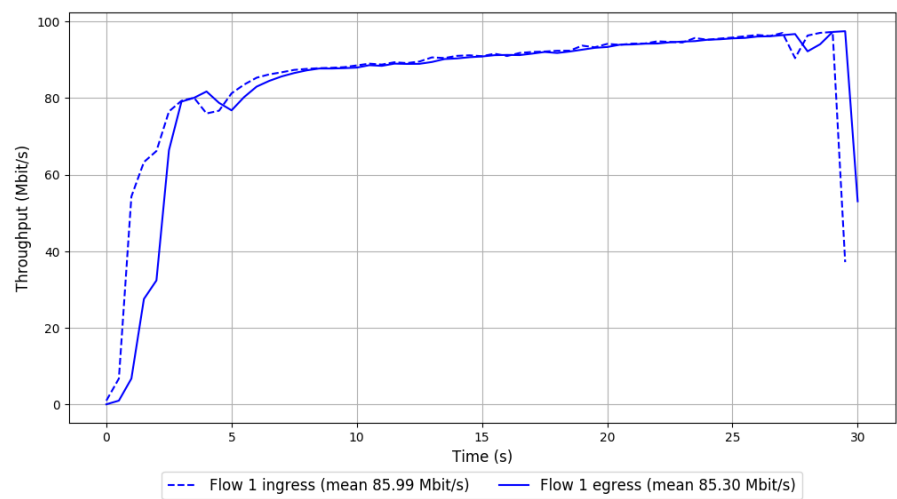
-- Flow 1:

Average throughput: 85.30 Mbit/s

95th percentile per-packet one-way delay: 85.816 ms

Loss rate: 0.80%

Run 7: Report of Indigo — Data Link

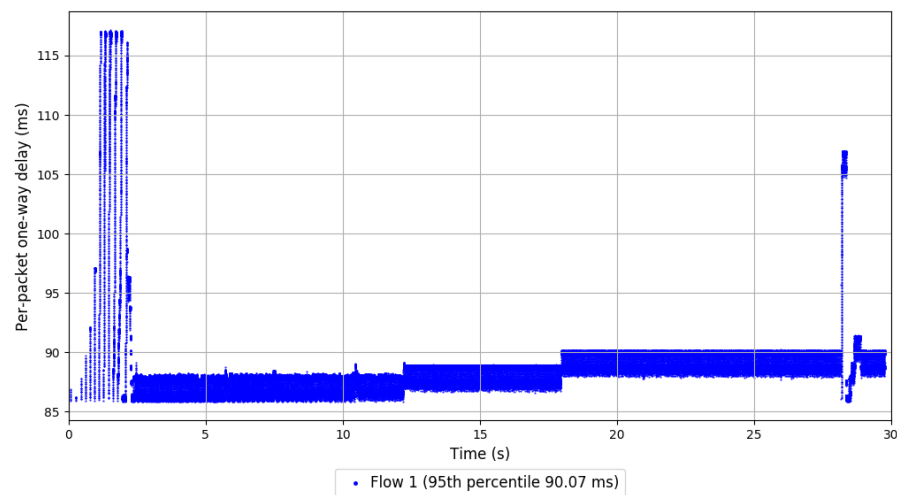
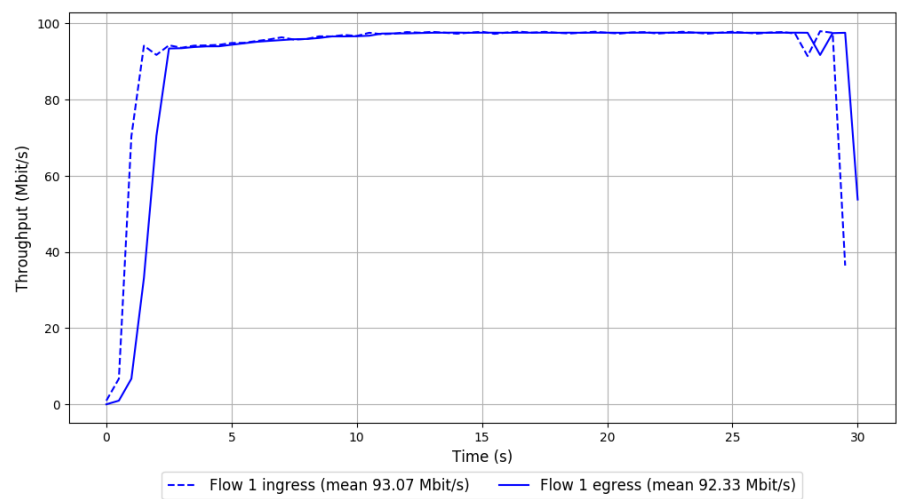


Run 8: Statistics of Indigo

Start at: 2018-07-17 11:13:03
End at: 2018-07-17 11:13:33
Local clock offset: -8.772 ms
Remote clock offset: 13.749 ms

Below is generated by plot.py at 2018-07-17 12:21:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.33 Mbit/s
95th percentile per-packet one-way delay: 90.072 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 92.33 Mbit/s
95th percentile per-packet one-way delay: 90.072 ms
Loss rate: 0.79%

Run 8: Report of Indigo — Data Link

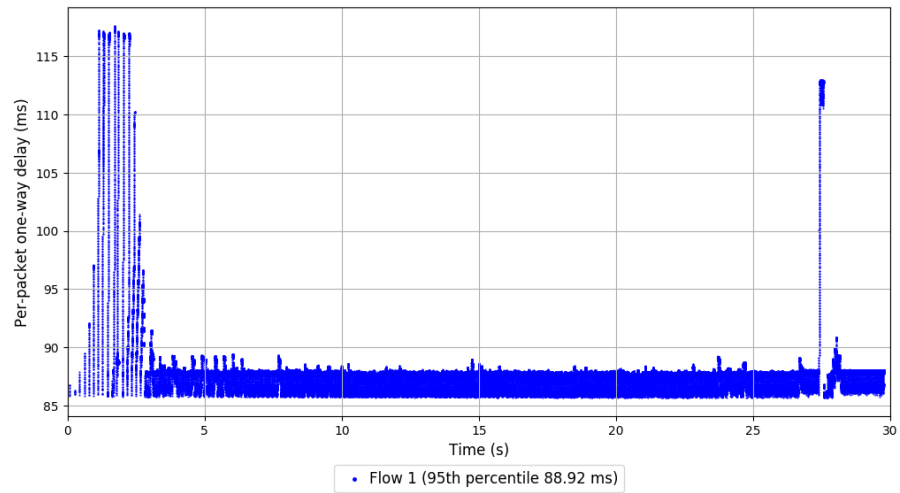
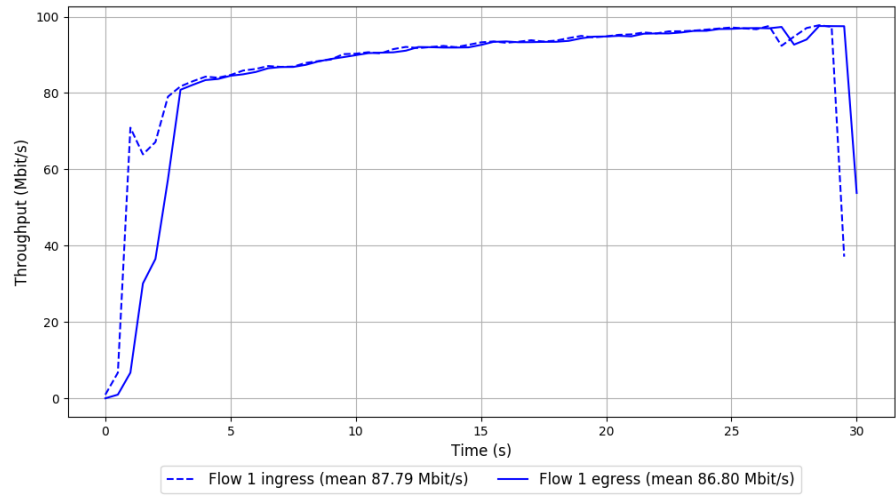


Run 9: Statistics of Indigo

Start at: 2018-07-17 11:32:53
End at: 2018-07-17 11:33:23
Local clock offset: -9.436 ms
Remote clock offset: 15.625 ms

Below is generated by plot.py at 2018-07-17 12:21:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.80 Mbit/s
95th percentile per-packet one-way delay: 88.916 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 86.80 Mbit/s
95th percentile per-packet one-way delay: 88.916 ms
Loss rate: 1.13%

Run 9: Report of Indigo — Data Link

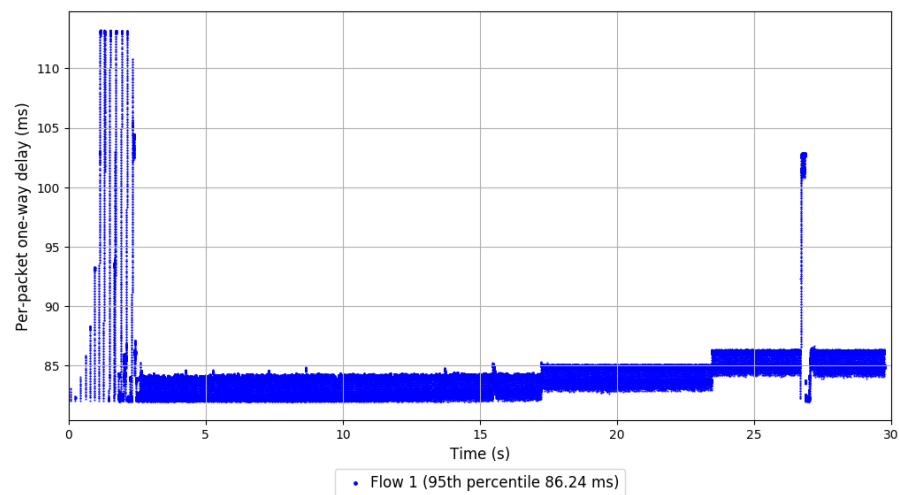
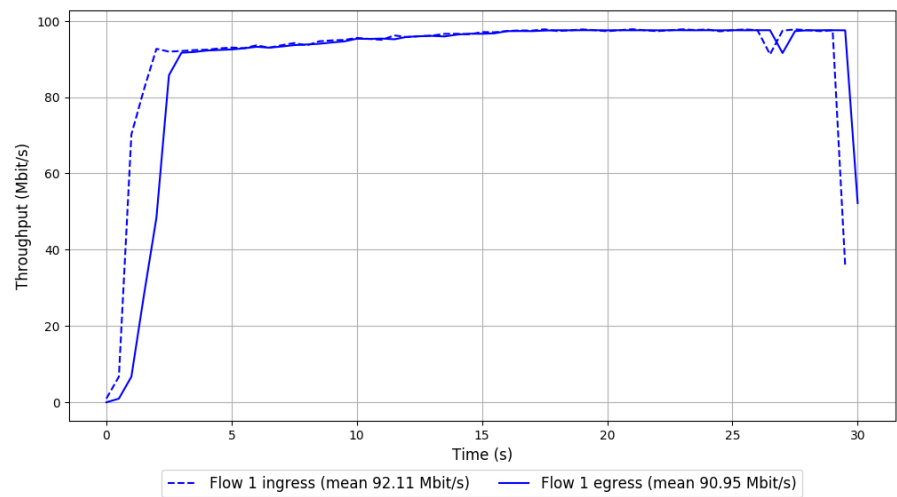


Run 10: Statistics of Indigo

Start at: 2018-07-17 11:52:42
End at: 2018-07-17 11:53:12
Local clock offset: -10.073 ms
Remote clock offset: 12.181 ms

Below is generated by plot.py at 2018-07-17 12:21:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.95 Mbit/s
95th percentile per-packet one-way delay: 86.237 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 90.95 Mbit/s
95th percentile per-packet one-way delay: 86.237 ms
Loss rate: 1.25%

Run 10: Report of Indigo — Data Link



Run 1: Statistics of LEDBAT

Start at: 2018-07-17 08:59:04

End at: 2018-07-17 08:59:34

Local clock offset: -8.67 ms

Remote clock offset: 5.043 ms

Below is generated by plot.py at 2018-07-17 12:21:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.46 Mbit/s

95th percentile per-packet one-way delay: 85.725 ms

Loss rate: 0.00%

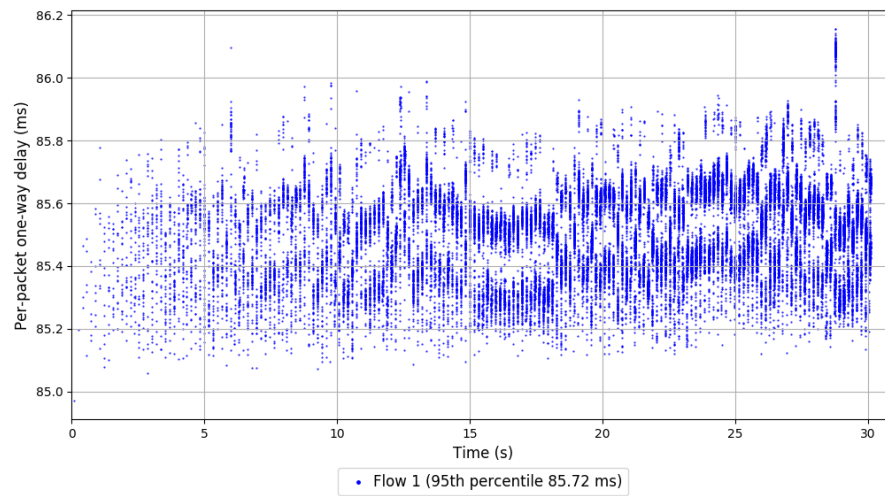
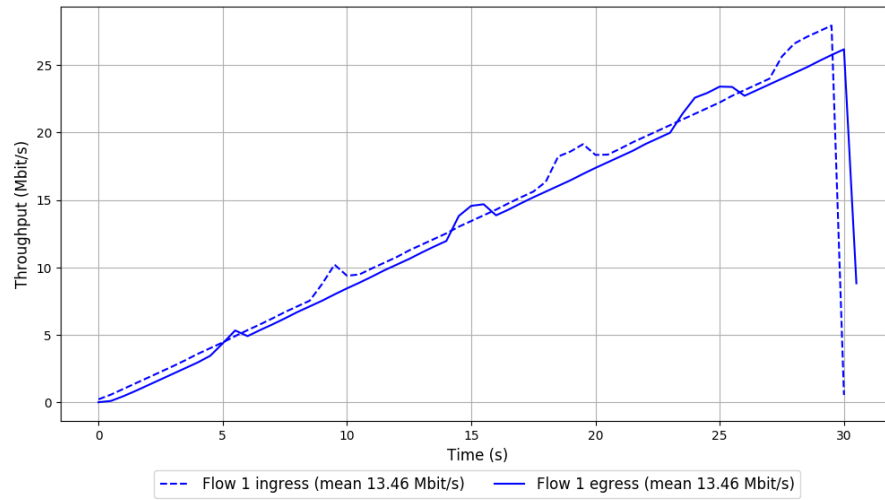
-- Flow 1:

Average throughput: 13.46 Mbit/s

95th percentile per-packet one-way delay: 85.725 ms

Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-07-17 09:18:53

End at: 2018-07-17 09:19:23

Local clock offset: -8.196 ms

Remote clock offset: 0.87 ms

Below is generated by plot.py at 2018-07-17 12:21:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.53 Mbit/s

95th percentile per-packet one-way delay: 90.298 ms

Loss rate: 0.00%

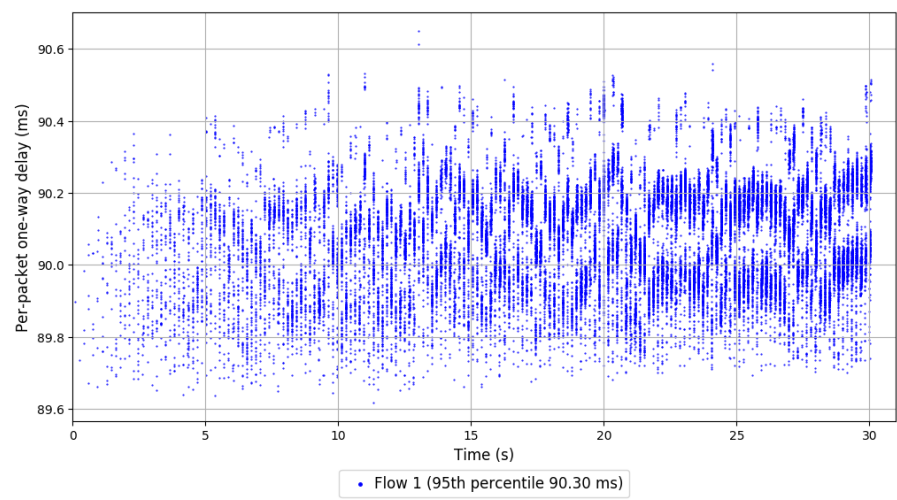
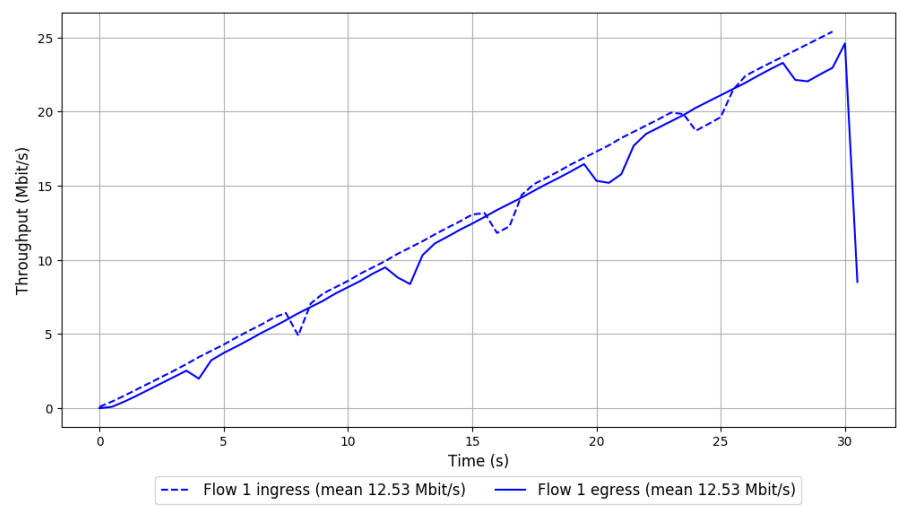
-- Flow 1:

Average throughput: 12.53 Mbit/s

95th percentile per-packet one-way delay: 90.298 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

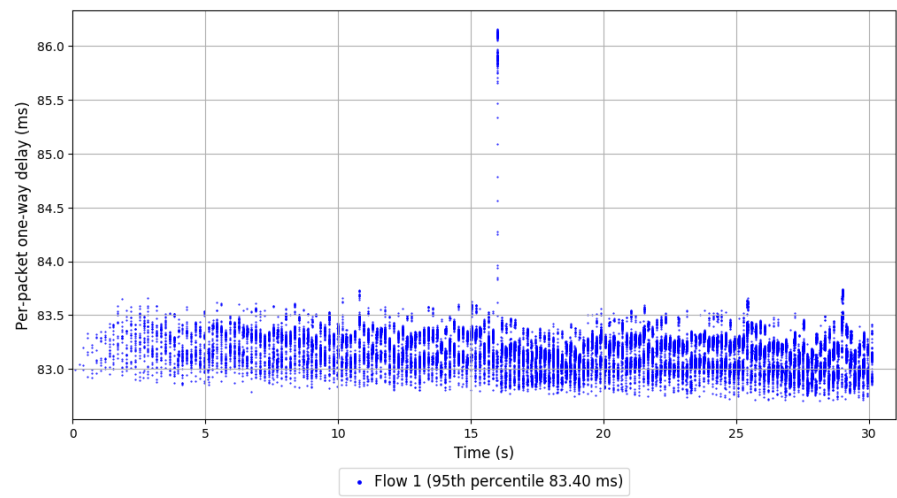
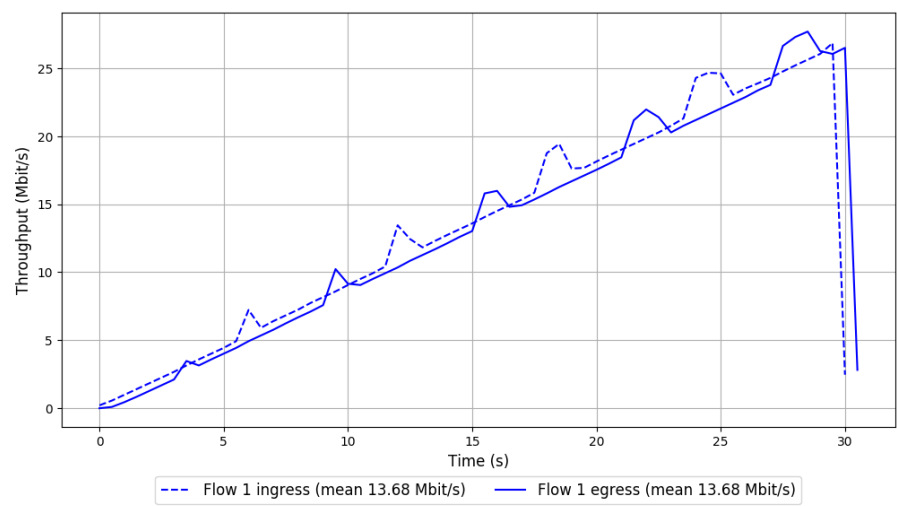


Run 3: Statistics of LEDBAT

Start at: 2018-07-17 09:38:45
End at: 2018-07-17 09:39:15
Local clock offset: -10.414 ms
Remote clock offset: 4.706 ms

Below is generated by plot.py at 2018-07-17 12:21:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.68 Mbit/s
95th percentile per-packet one-way delay: 83.399 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.68 Mbit/s
95th percentile per-packet one-way delay: 83.399 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

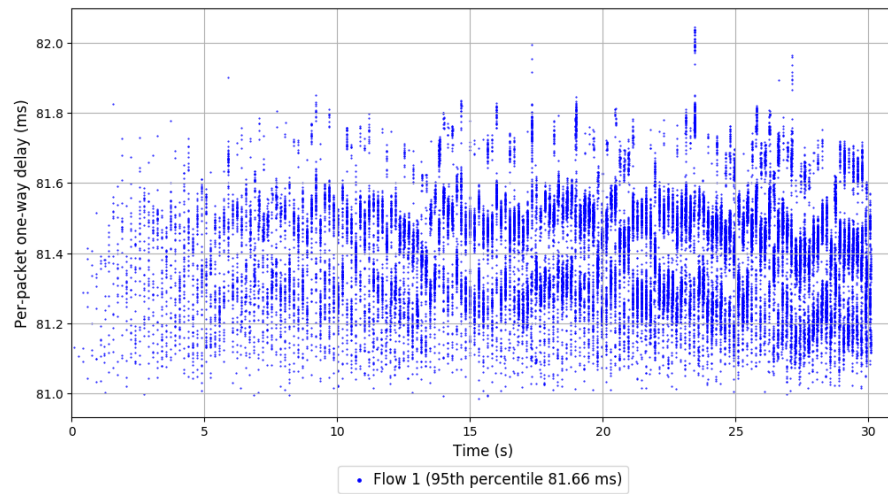
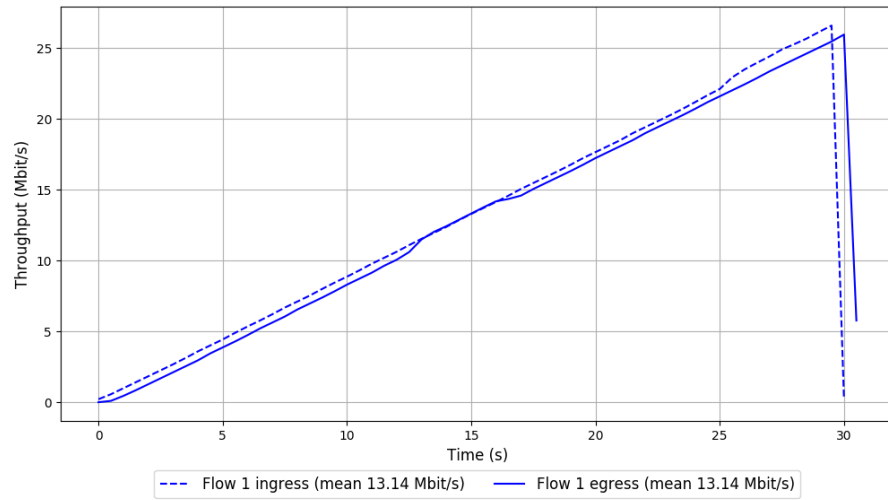


Run 4: Statistics of LEDBAT

Start at: 2018-07-17 09:58:33
End at: 2018-07-17 09:59:03
Local clock offset: -10.658 ms
Remote clock offset: 3.02 ms

Below is generated by plot.py at 2018-07-17 12:21:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.14 Mbit/s
95th percentile per-packet one-way delay: 81.659 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 13.14 Mbit/s
95th percentile per-packet one-way delay: 81.659 ms
Loss rate: 0.04%

Run 4: Report of LEDBAT — Data Link

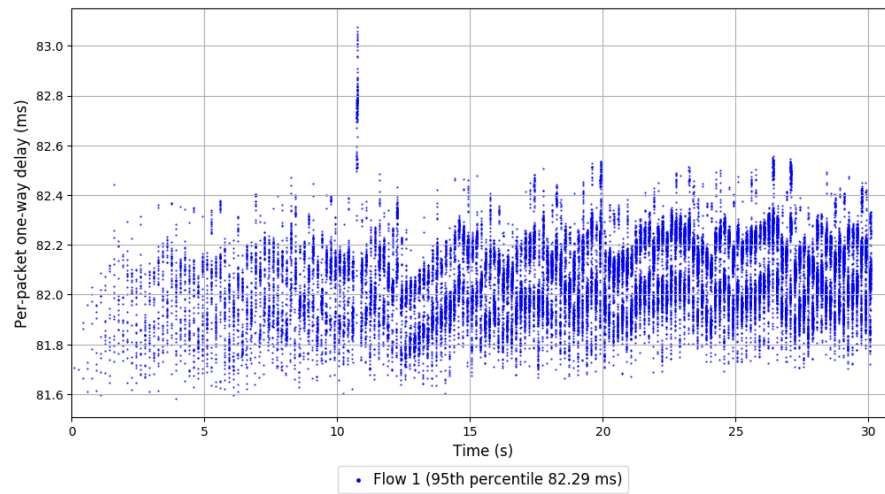
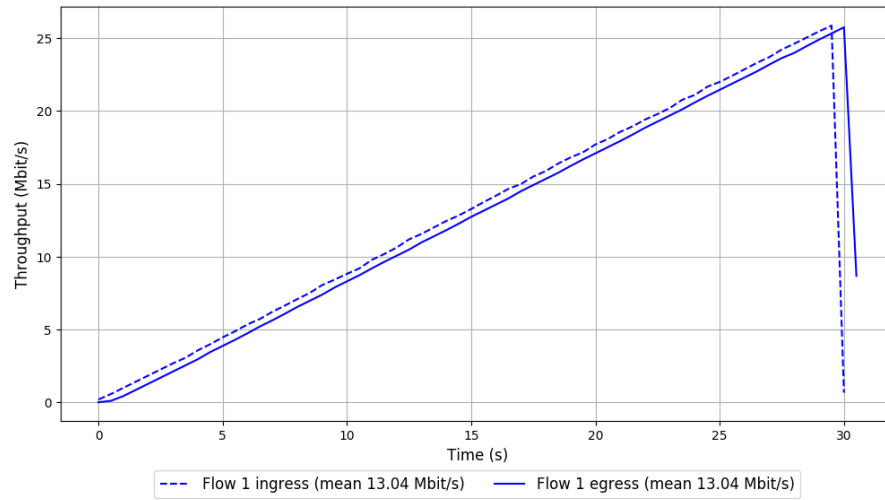


Run 5: Statistics of LEDBAT

Start at: 2018-07-17 10:18:21
End at: 2018-07-17 10:18:51
Local clock offset: -9.655 ms
Remote clock offset: -6.421 ms

Below is generated by plot.py at 2018-07-17 12:21:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.04 Mbit/s
95th percentile per-packet one-way delay: 82.291 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.04 Mbit/s
95th percentile per-packet one-way delay: 82.291 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

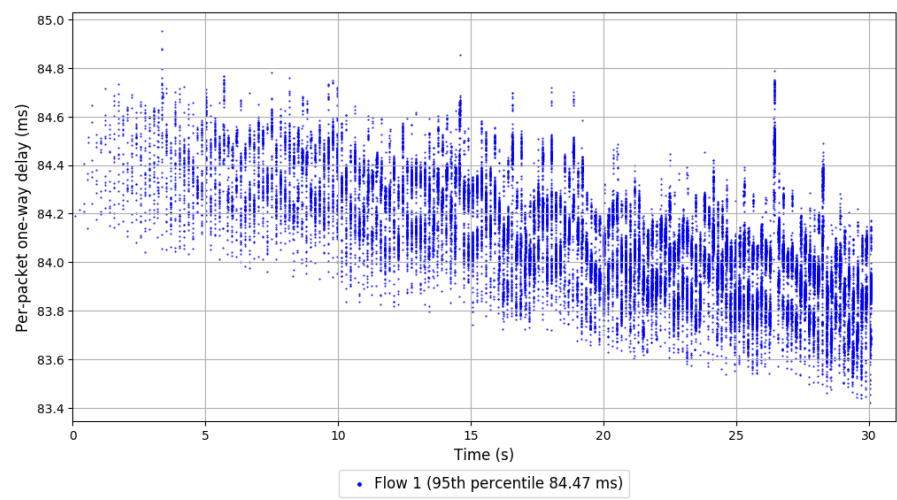
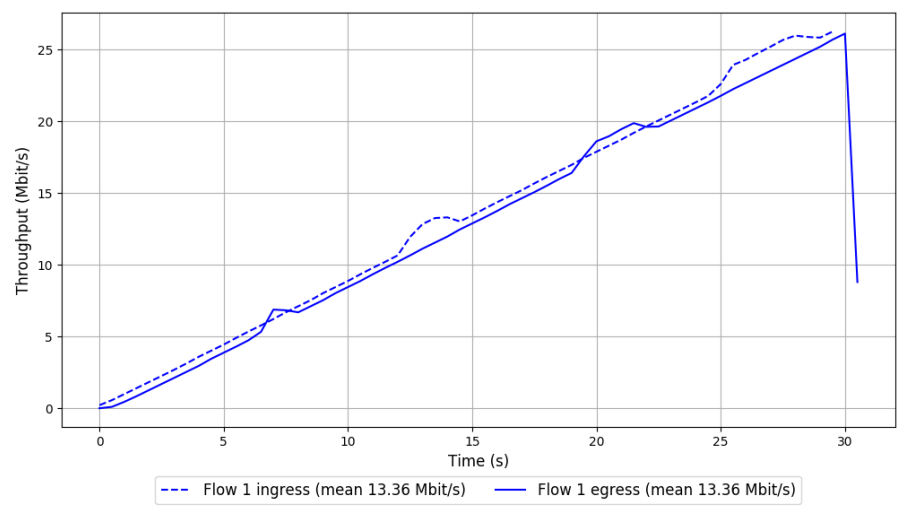


Run 6: Statistics of LEDBAT

Start at: 2018-07-17 10:38:11
End at: 2018-07-17 10:38:41
Local clock offset: -9.1 ms
Remote clock offset: -2.102 ms

Below is generated by plot.py at 2018-07-17 12:21:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.36 Mbit/s
95th percentile per-packet one-way delay: 84.475 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.36 Mbit/s
95th percentile per-packet one-way delay: 84.475 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

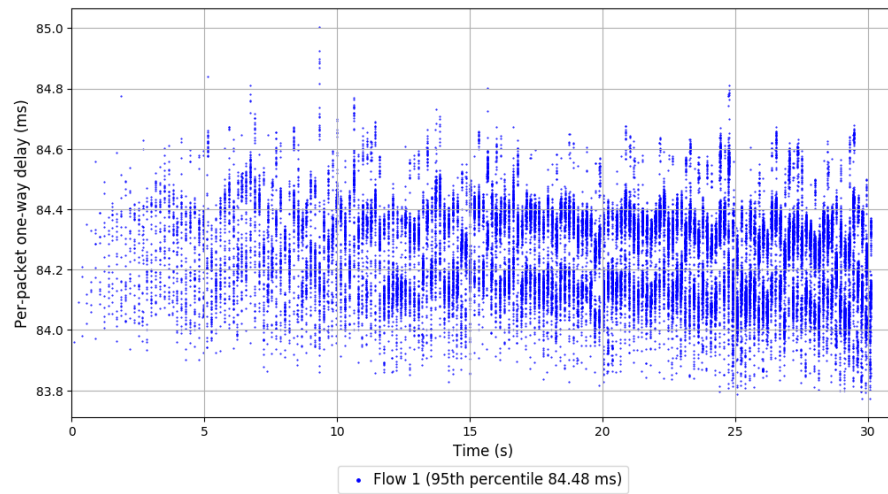
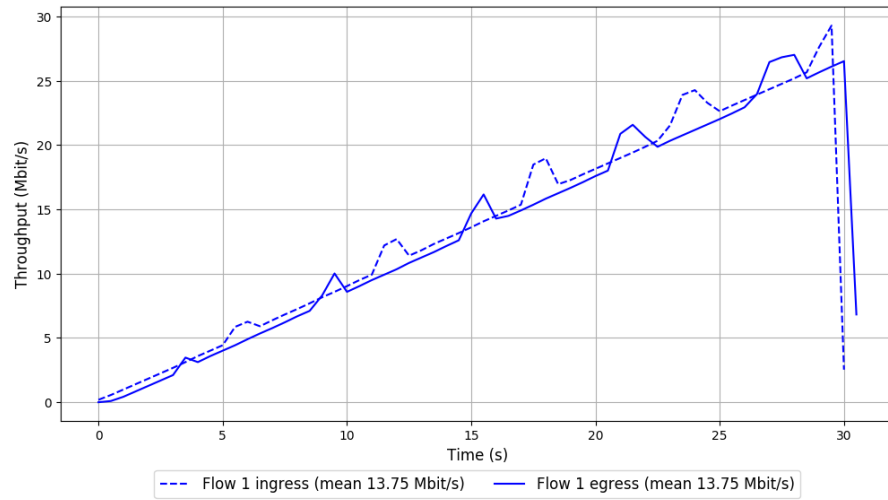


Run 7: Statistics of LEDBAT

Start at: 2018-07-17 10:57:59
End at: 2018-07-17 10:58:30
Local clock offset: -8.742 ms
Remote clock offset: 10.896 ms

Below is generated by plot.py at 2018-07-17 12:21:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.75 Mbit/s
95th percentile per-packet one-way delay: 84.480 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.75 Mbit/s
95th percentile per-packet one-way delay: 84.480 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

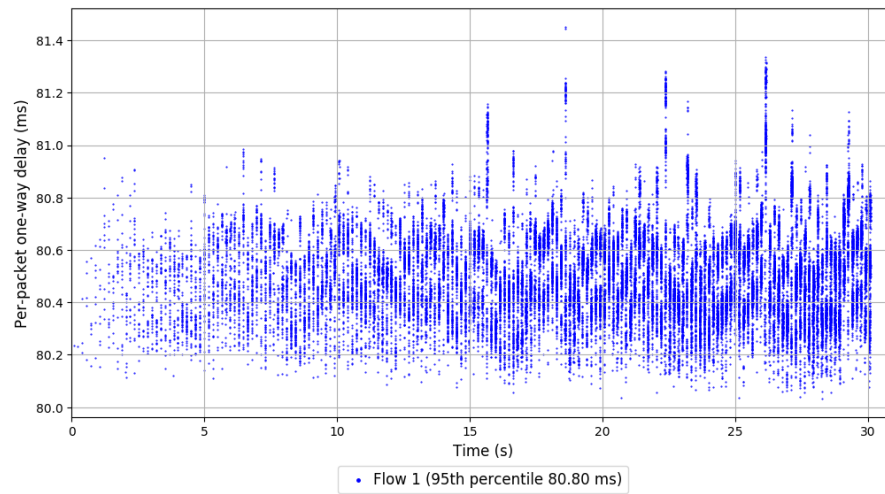
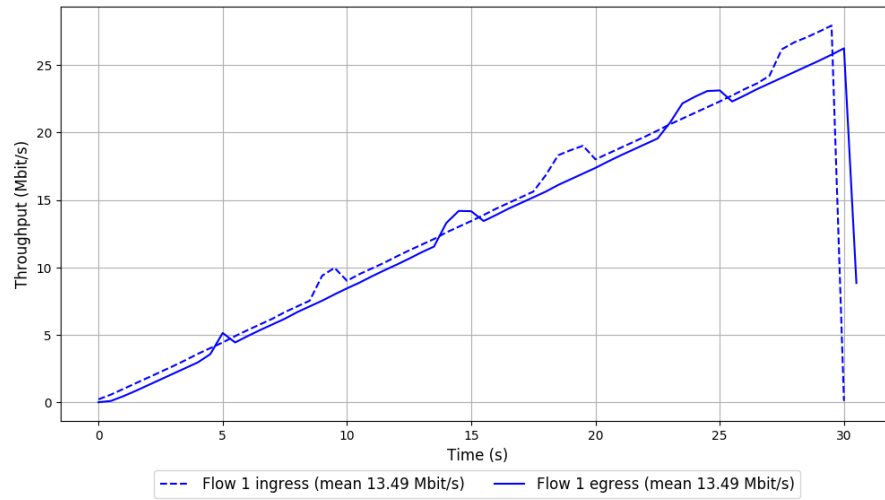


Run 8: Statistics of LEDBAT

Start at: 2018-07-17 11:17:48
End at: 2018-07-17 11:18:18
Local clock offset: -8.731 ms
Remote clock offset: 10.222 ms

Below is generated by plot.py at 2018-07-17 12:21:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.49 Mbit/s
95th percentile per-packet one-way delay: 80.800 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.49 Mbit/s
95th percentile per-packet one-way delay: 80.800 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

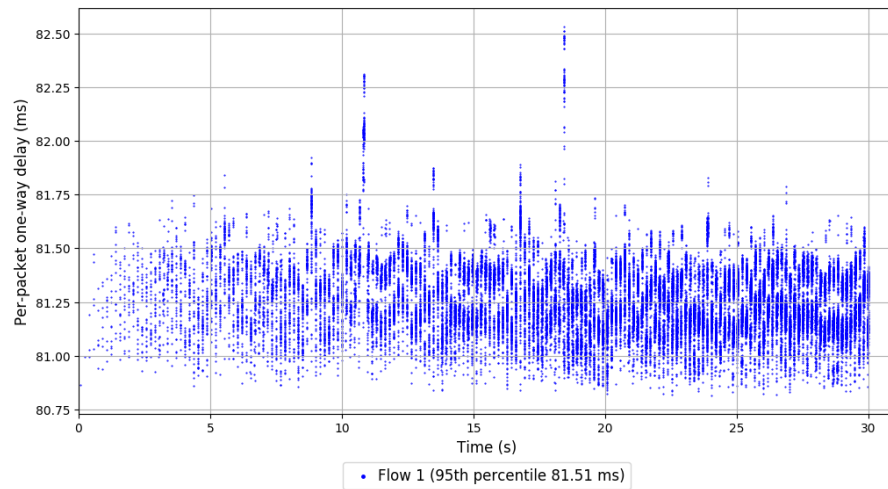
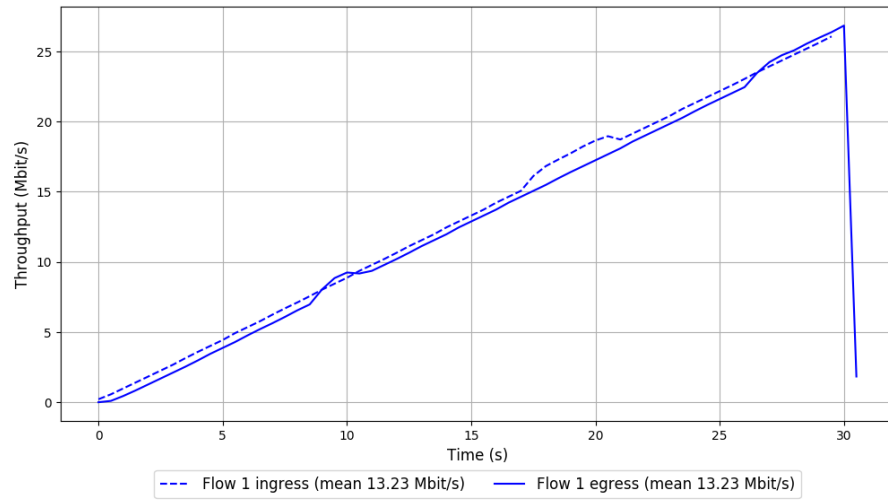


Run 9: Statistics of LEDBAT

Start at: 2018-07-17 11:37:38
End at: 2018-07-17 11:38:08
Local clock offset: -9.75 ms
Remote clock offset: 11.448 ms

Below is generated by plot.py at 2018-07-17 12:21:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.23 Mbit/s
95th percentile per-packet one-way delay: 81.507 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.23 Mbit/s
95th percentile per-packet one-way delay: 81.507 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

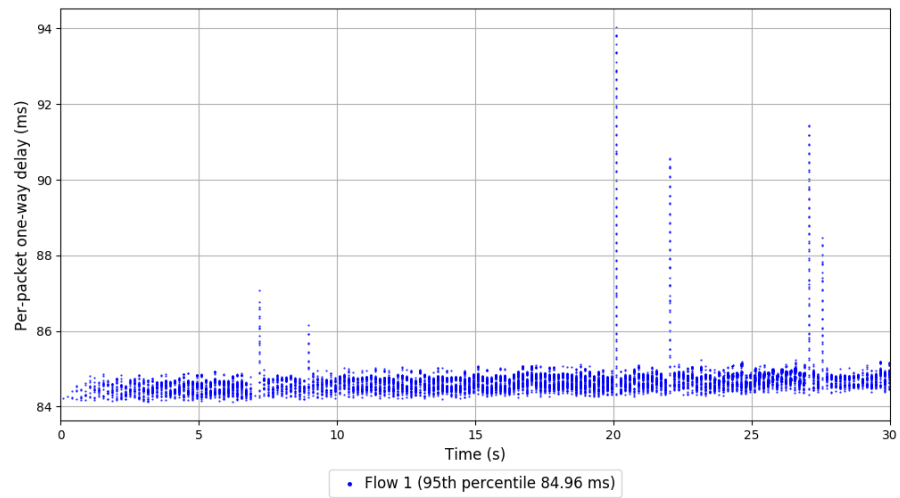
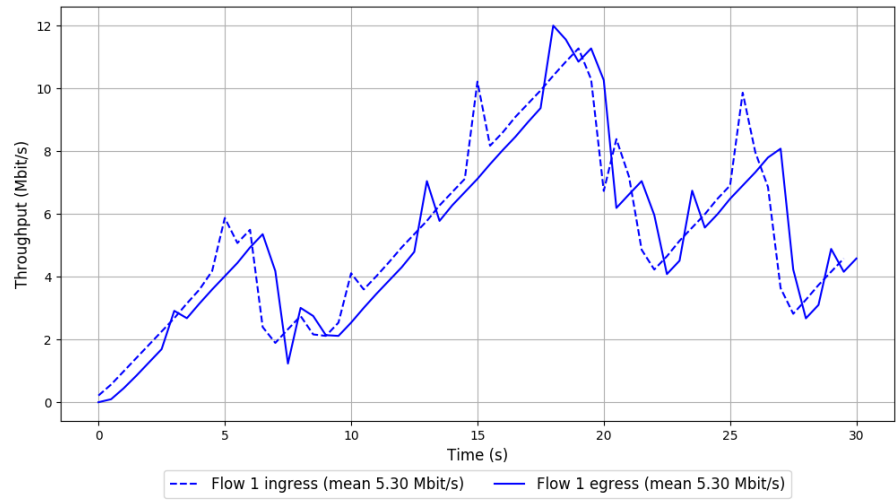


Run 10: Statistics of LEDBAT

Start at: 2018-07-17 11:57:28
End at: 2018-07-17 11:57:58
Local clock offset: -8.863 ms
Remote clock offset: 15.698 ms

Below is generated by plot.py at 2018-07-17 12:21:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.30 Mbit/s
95th percentile per-packet one-way delay: 84.960 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 5.30 Mbit/s
95th percentile per-packet one-way delay: 84.960 ms
Loss rate: 0.06%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-07-17 09:07:06

End at: 2018-07-17 09:07:36

Local clock offset: -8.539 ms

Remote clock offset: 2.629 ms

Below is generated by plot.py at 2018-07-17 12:22:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.62 Mbit/s

95th percentile per-packet one-way delay: 104.322 ms

Loss rate: 1.45%

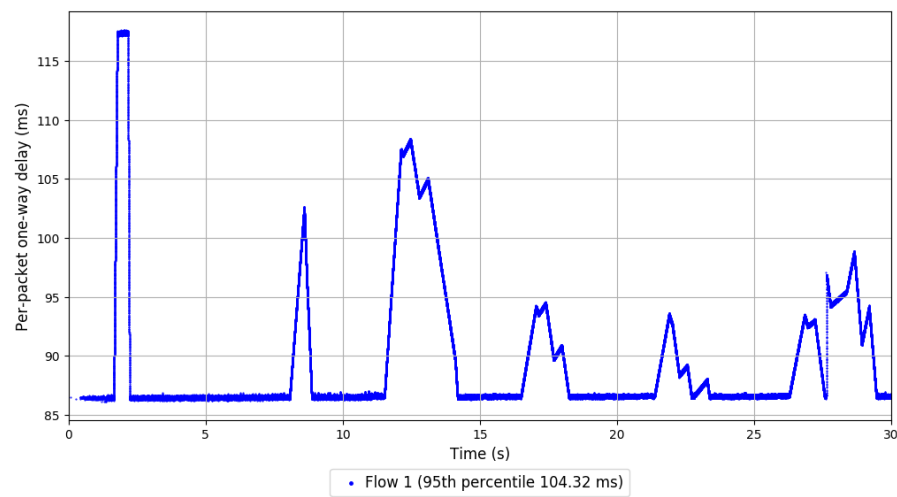
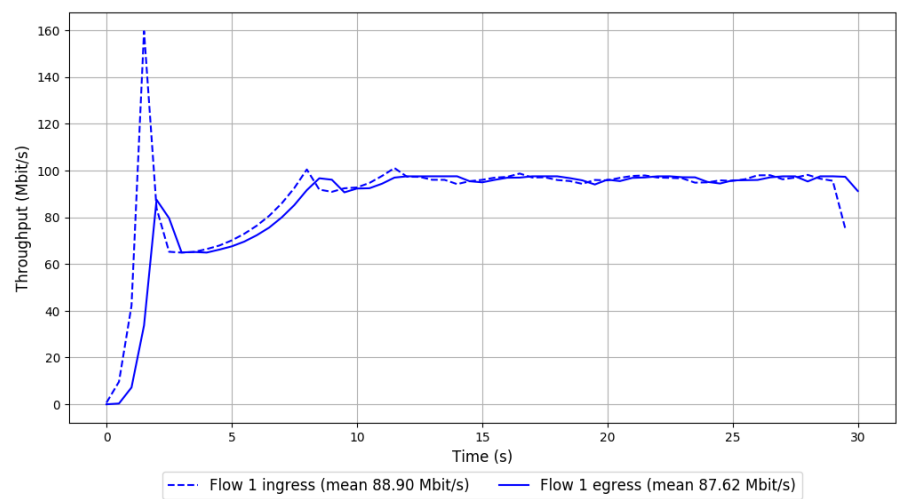
-- Flow 1:

Average throughput: 87.62 Mbit/s

95th percentile per-packet one-way delay: 104.322 ms

Loss rate: 1.45%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-17 09:26:56

End at: 2018-07-17 09:27:26

Local clock offset: -8.397 ms

Remote clock offset: -3.949 ms

Below is generated by plot.py at 2018-07-17 12:22:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.57 Mbit/s

95th percentile per-packet one-way delay: 97.133 ms

Loss rate: 1.44%

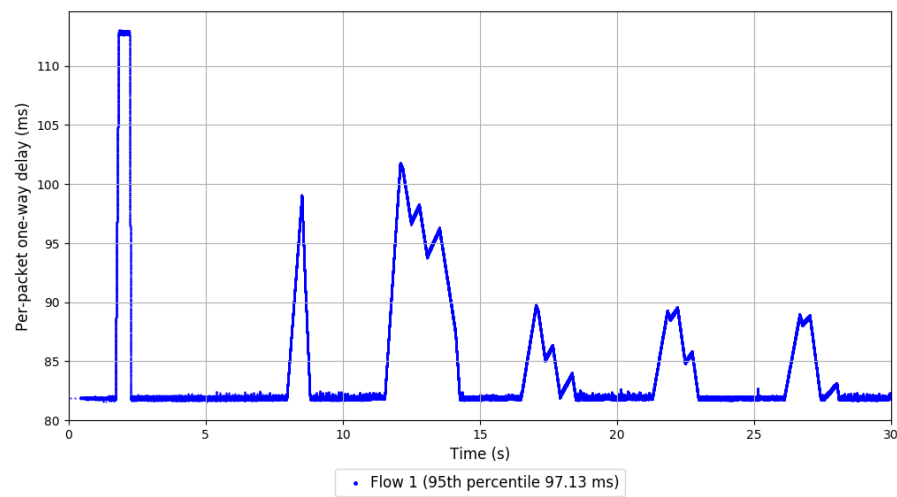
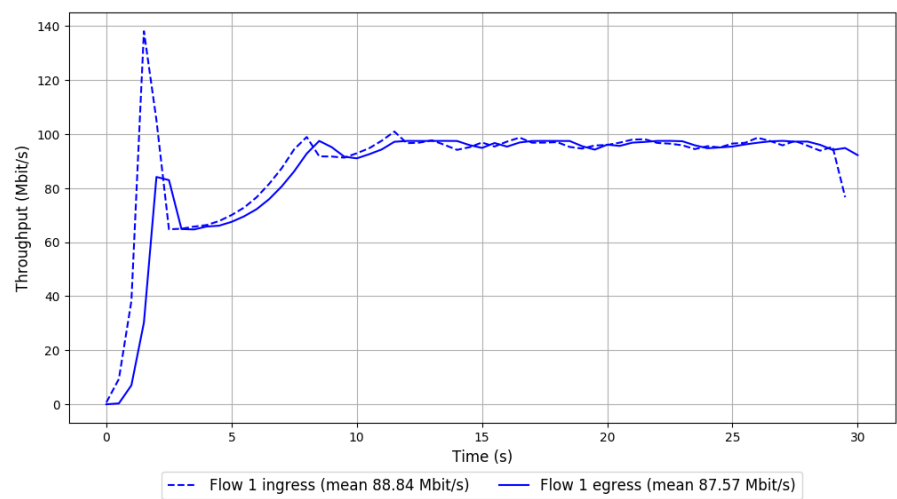
-- Flow 1:

Average throughput: 87.57 Mbit/s

95th percentile per-packet one-way delay: 97.133 ms

Loss rate: 1.44%

Run 2: Report of PCC-Allegro — Data Link

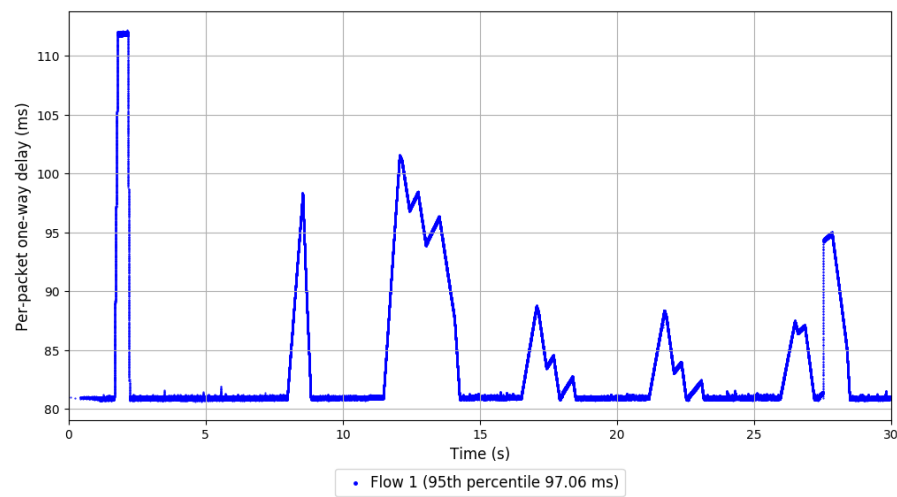
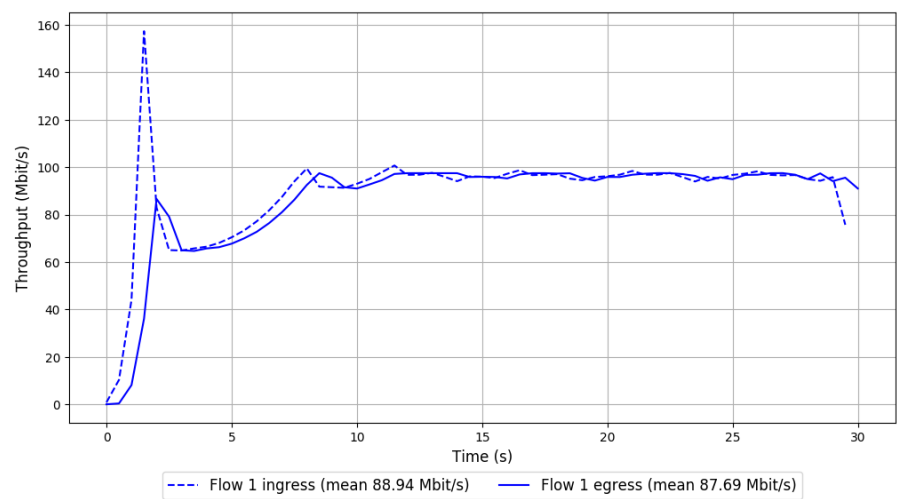


Run 3: Statistics of PCC-Allegro

Start at: 2018-07-17 09:46:48
End at: 2018-07-17 09:47:18
Local clock offset: -10.826 ms
Remote clock offset: 2.232 ms

Below is generated by plot.py at 2018-07-17 12:22:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.69 Mbit/s
95th percentile per-packet one-way delay: 97.060 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 87.69 Mbit/s
95th percentile per-packet one-way delay: 97.060 ms
Loss rate: 1.41%

Run 3: Report of PCC-Allegro — Data Link

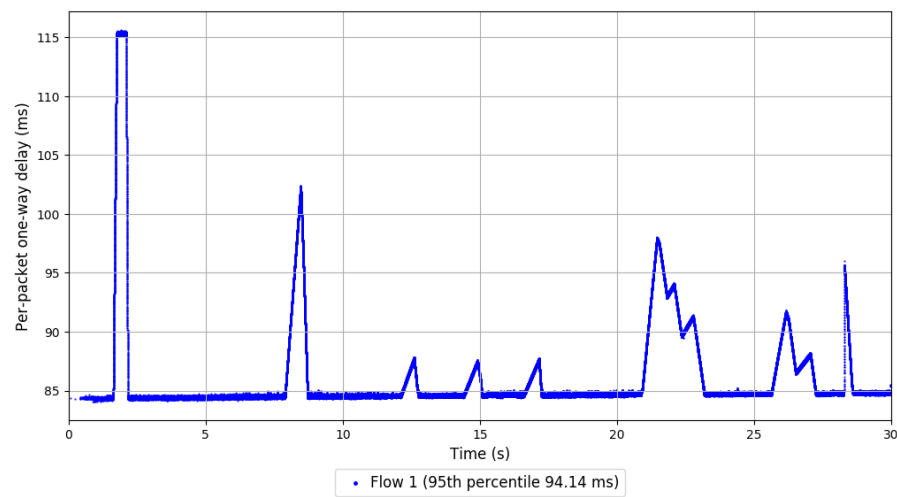
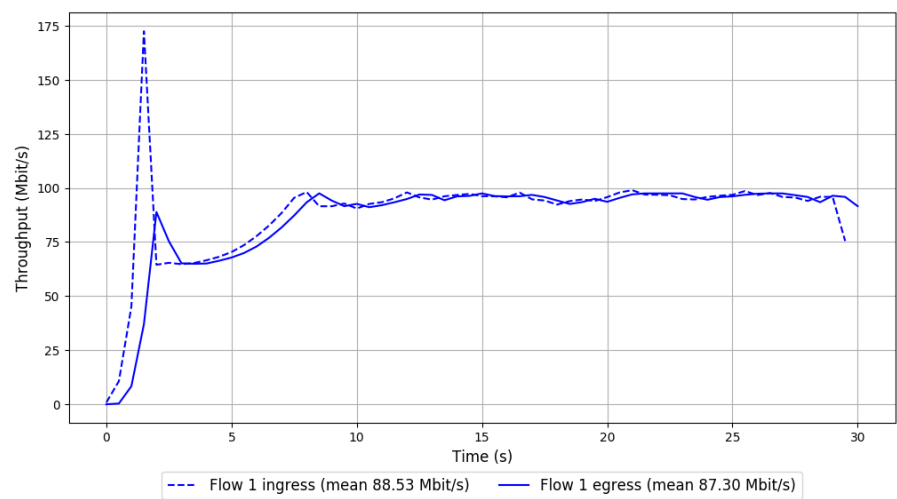


Run 4: Statistics of PCC-Allegro

Start at: 2018-07-17 10:06:35
End at: 2018-07-17 10:07:05
Local clock offset: -10.022 ms
Remote clock offset: 3.965 ms

Below is generated by plot.py at 2018-07-17 12:22:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.30 Mbit/s
95th percentile per-packet one-way delay: 94.144 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 87.30 Mbit/s
95th percentile per-packet one-way delay: 94.144 ms
Loss rate: 1.38%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-17 10:26:24

End at: 2018-07-17 10:26:54

Local clock offset: -9.485 ms

Remote clock offset: -8.428 ms

Below is generated by plot.py at 2018-07-17 12:22:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.51 Mbit/s

95th percentile per-packet one-way delay: 96.968 ms

Loss rate: 1.42%

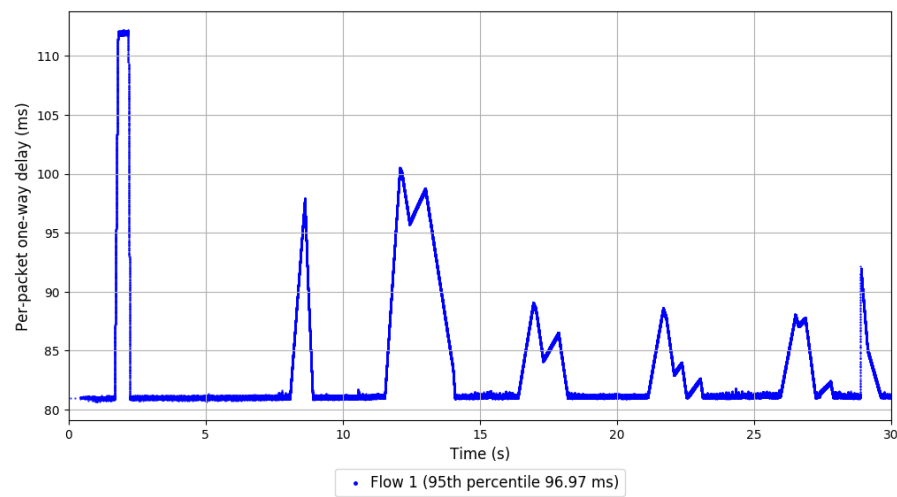
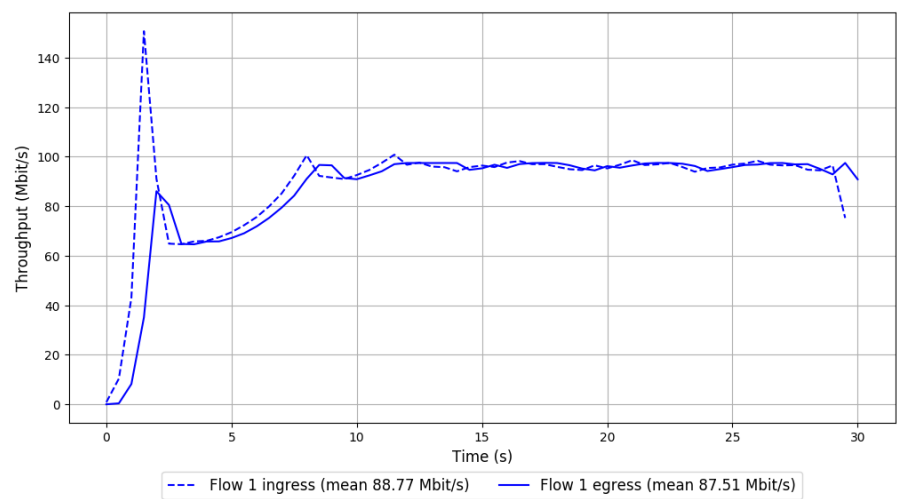
-- Flow 1:

Average throughput: 87.51 Mbit/s

95th percentile per-packet one-way delay: 96.968 ms

Loss rate: 1.42%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-17 10:46:12

End at: 2018-07-17 10:46:42

Local clock offset: -8.851 ms

Remote clock offset: 6.834 ms

Below is generated by plot.py at 2018-07-17 12:22:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.42 Mbit/s

95th percentile per-packet one-way delay: 101.533 ms

Loss rate: 1.39%

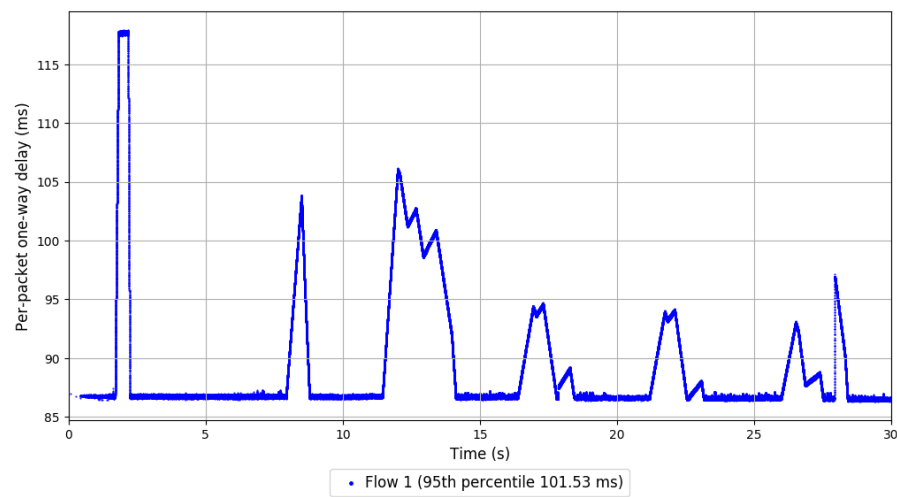
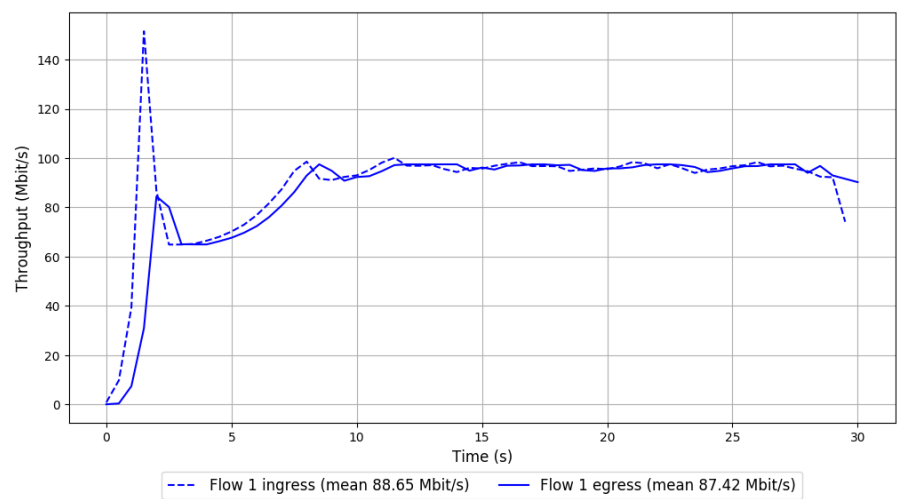
-- Flow 1:

Average throughput: 87.42 Mbit/s

95th percentile per-packet one-way delay: 101.533 ms

Loss rate: 1.39%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-17 11:06:01

End at: 2018-07-17 11:06:31

Local clock offset: -8.784 ms

Remote clock offset: 9.092 ms

Below is generated by plot.py at 2018-07-17 12:22:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.76 Mbit/s

95th percentile per-packet one-way delay: 99.660 ms

Loss rate: 1.42%

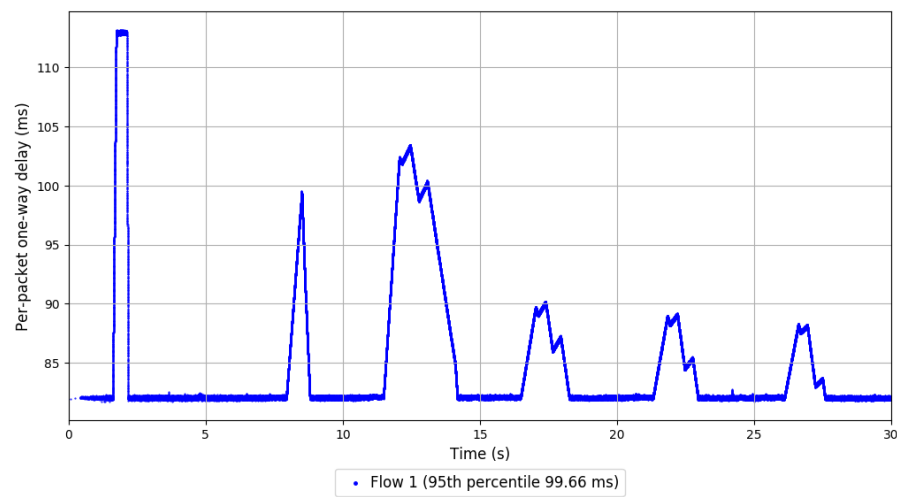
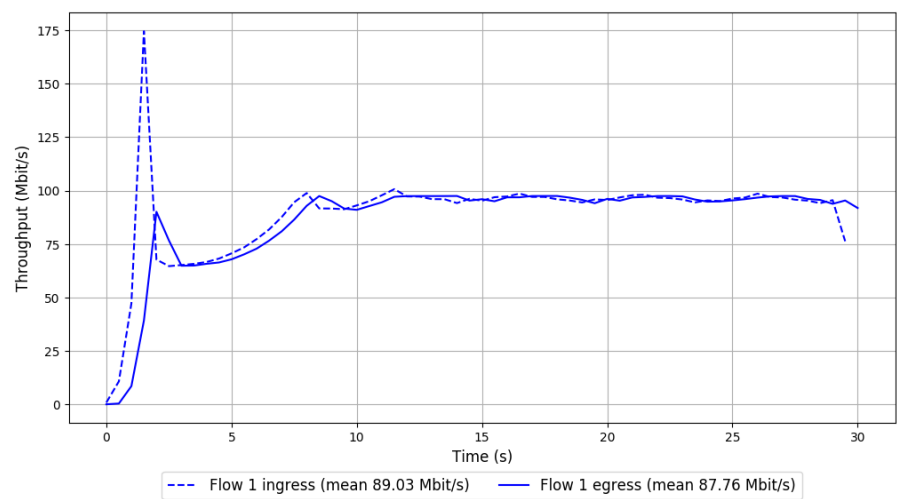
-- Flow 1:

Average throughput: 87.76 Mbit/s

95th percentile per-packet one-way delay: 99.660 ms

Loss rate: 1.42%

Run 7: Report of PCC-Allegro — Data Link

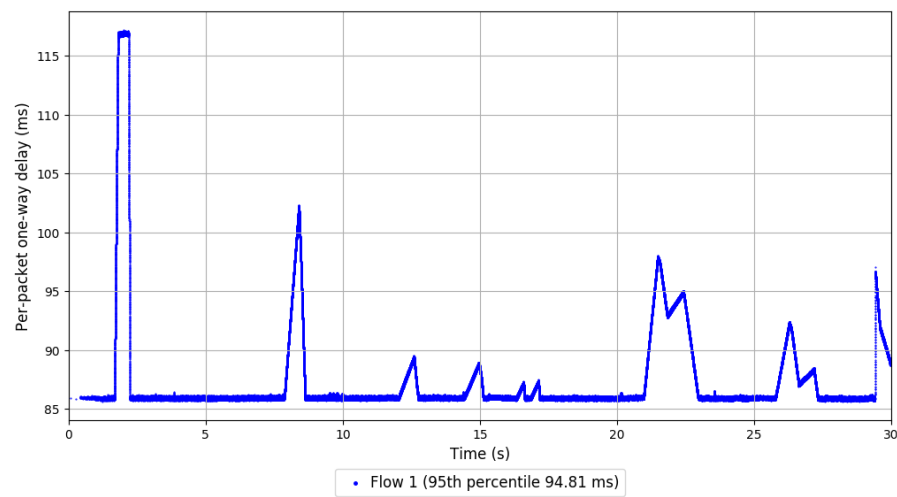
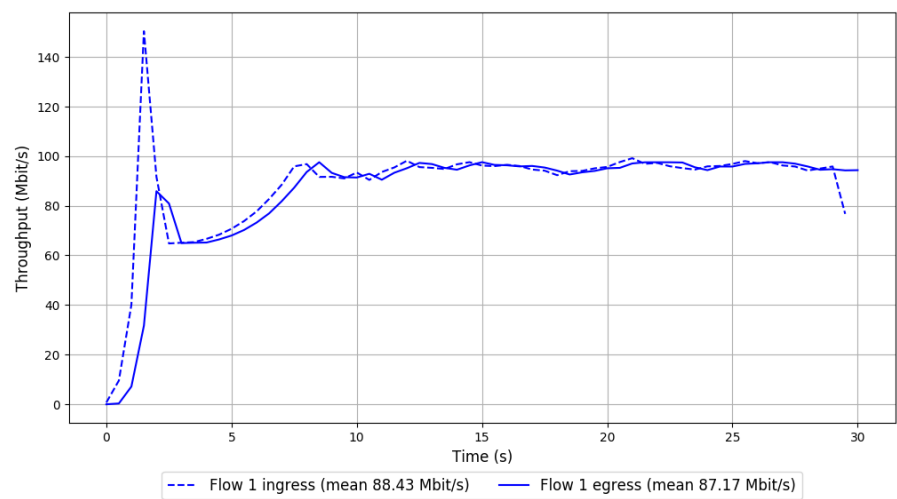


Run 8: Statistics of PCC-Allegro

Start at: 2018-07-17 11:25:51
End at: 2018-07-17 11:26:21
Local clock offset: -8.814 ms
Remote clock offset: 14.751 ms

Below is generated by plot.py at 2018-07-17 12:23:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.17 Mbit/s
95th percentile per-packet one-way delay: 94.814 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 87.17 Mbit/s
95th percentile per-packet one-way delay: 94.814 ms
Loss rate: 1.43%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-17 11:45:41

End at: 2018-07-17 11:46:11

Local clock offset: -9.916 ms

Remote clock offset: 12.06 ms

Below is generated by plot.py at 2018-07-17 12:23:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.03 Mbit/s

95th percentile per-packet one-way delay: 92.517 ms

Loss rate: 1.43%

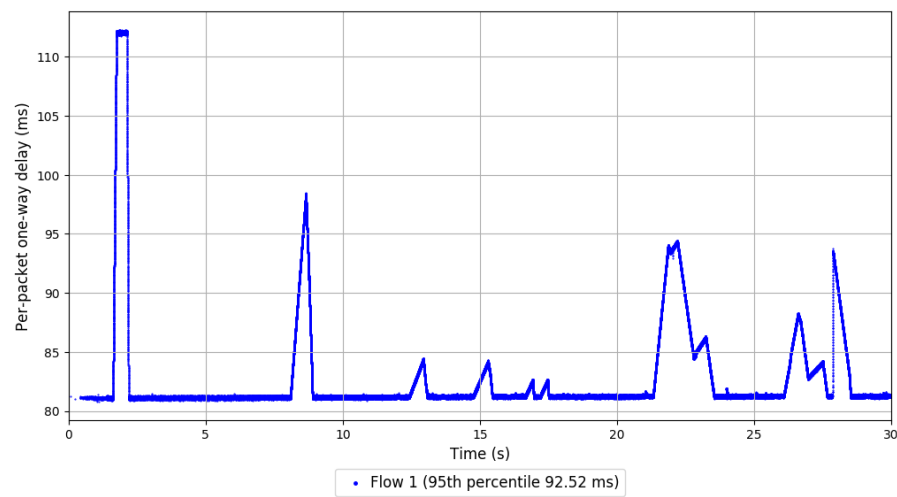
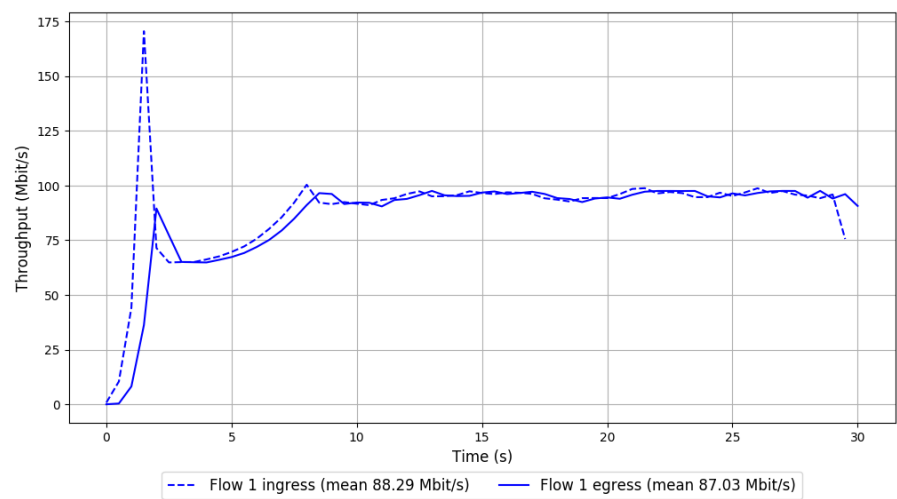
-- Flow 1:

Average throughput: 87.03 Mbit/s

95th percentile per-packet one-way delay: 92.517 ms

Loss rate: 1.43%

Run 9: Report of PCC-Allegro — Data Link

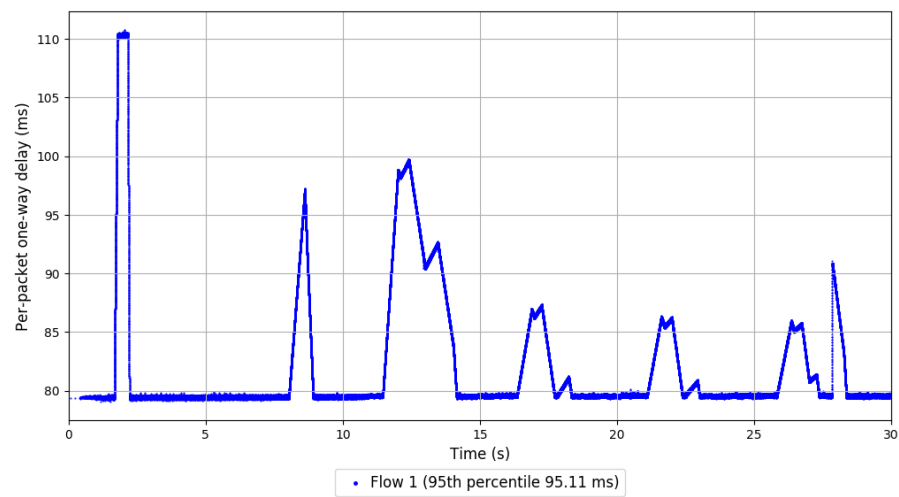
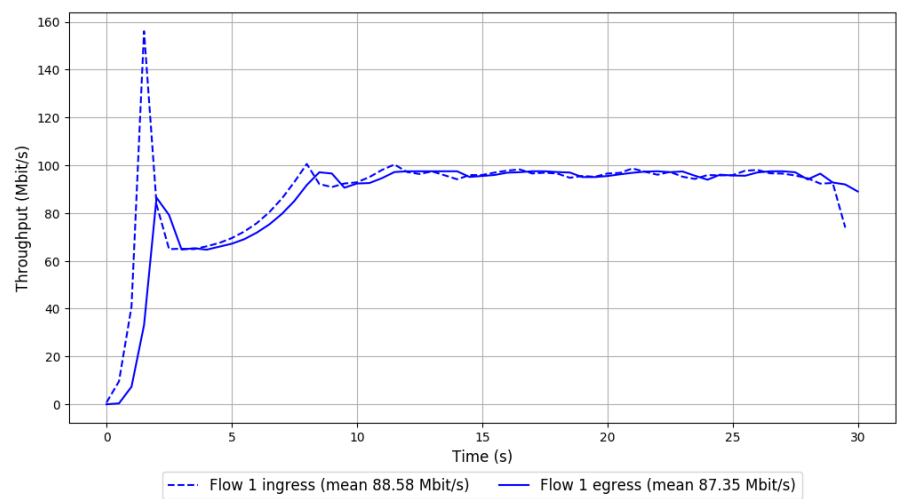


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-17 12:05:29
End at: 2018-07-17 12:05:59
Local clock offset: -5.806 ms
Remote clock offset: 11.186 ms

Below is generated by plot.py at 2018-07-17 12:23:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.35 Mbit/s
95th percentile per-packet one-way delay: 95.113 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 87.35 Mbit/s
95th percentile per-packet one-way delay: 95.113 ms
Loss rate: 1.40%

Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-07-17 08:55:29

End at: 2018-07-17 08:55:59

Local clock offset: -8.751 ms

Remote clock offset: 5.818 ms

Below is generated by plot.py at 2018-07-17 12:24:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.33 Mbit/s

95th percentile per-packet one-way delay: 115.973 ms

Loss rate: 2.26%

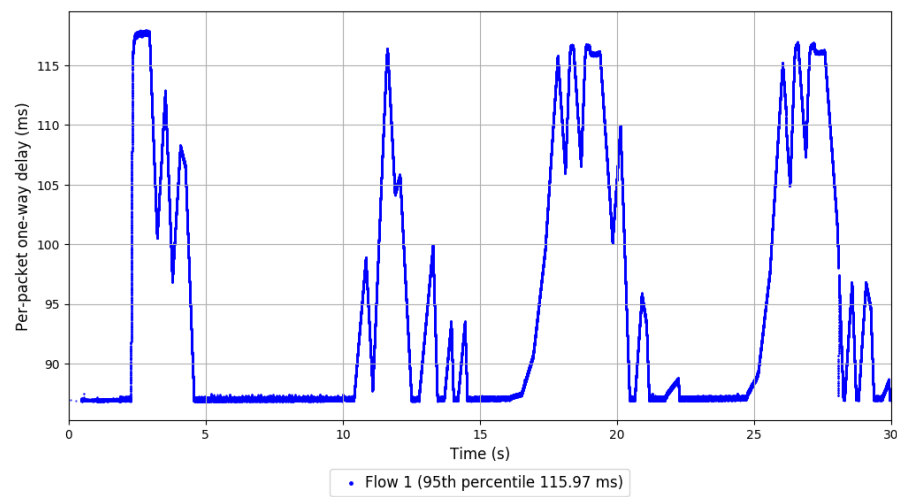
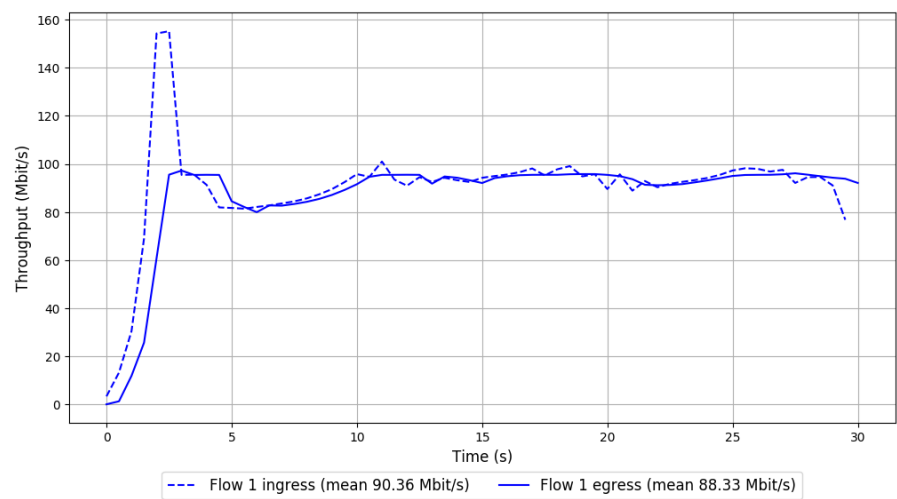
-- Flow 1:

Average throughput: 88.33 Mbit/s

95th percentile per-packet one-way delay: 115.973 ms

Loss rate: 2.26%

Run 1: Report of PCC-Expr — Data Link

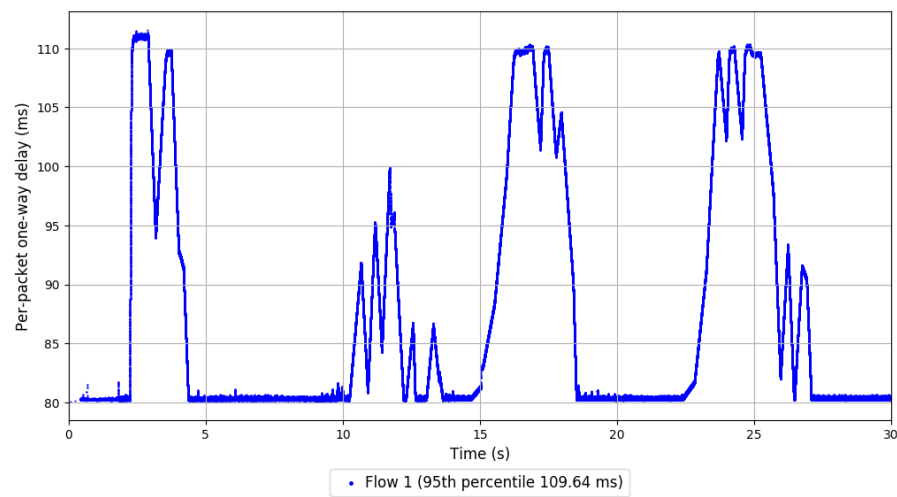
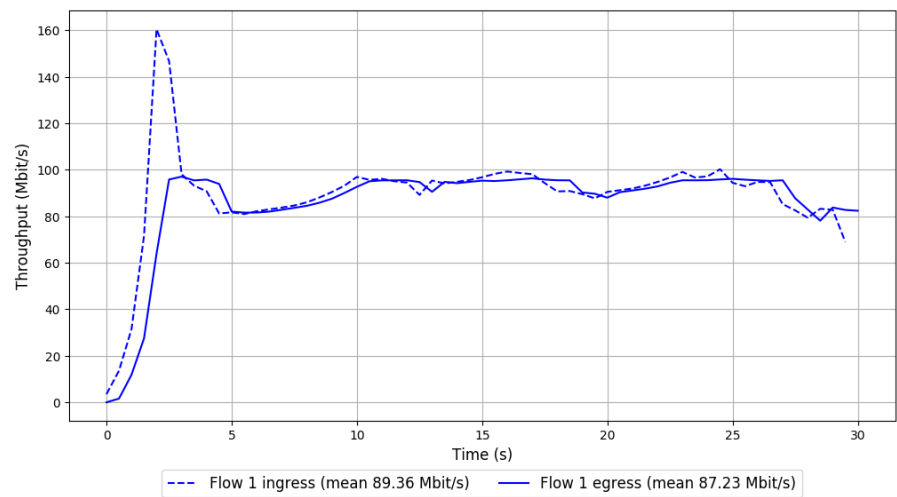


Run 2: Statistics of PCC-Expr

Start at: 2018-07-17 09:15:20
End at: 2018-07-17 09:15:50
Local clock offset: -8.239 ms
Remote clock offset: -2.412 ms

Below is generated by plot.py at 2018-07-17 12:24:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.23 Mbit/s
95th percentile per-packet one-way delay: 109.639 ms
Loss rate: 2.38%
-- Flow 1:
Average throughput: 87.23 Mbit/s
95th percentile per-packet one-way delay: 109.639 ms
Loss rate: 2.38%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-07-17 09:35:11

End at: 2018-07-17 09:35:42

Local clock offset: -9.994 ms

Remote clock offset: -0.37 ms

Below is generated by plot.py at 2018-07-17 12:24:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.76 Mbit/s

95th percentile per-packet one-way delay: 112.035 ms

Loss rate: 2.26%

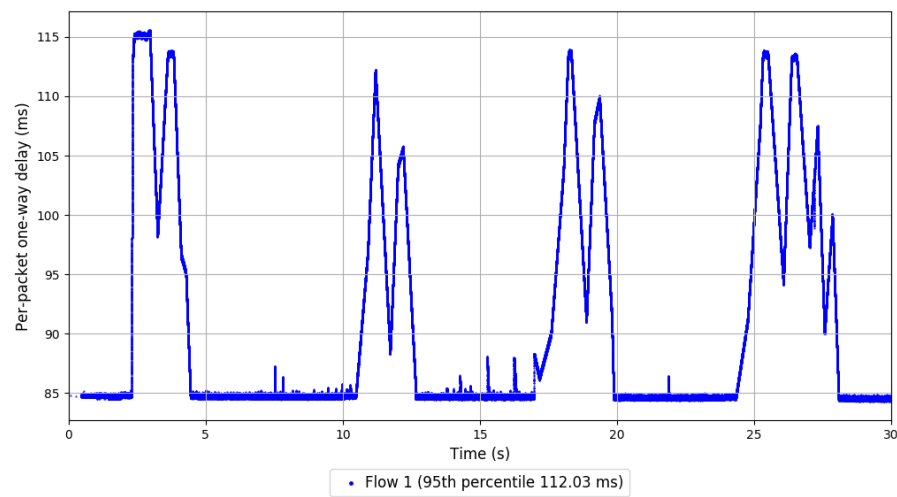
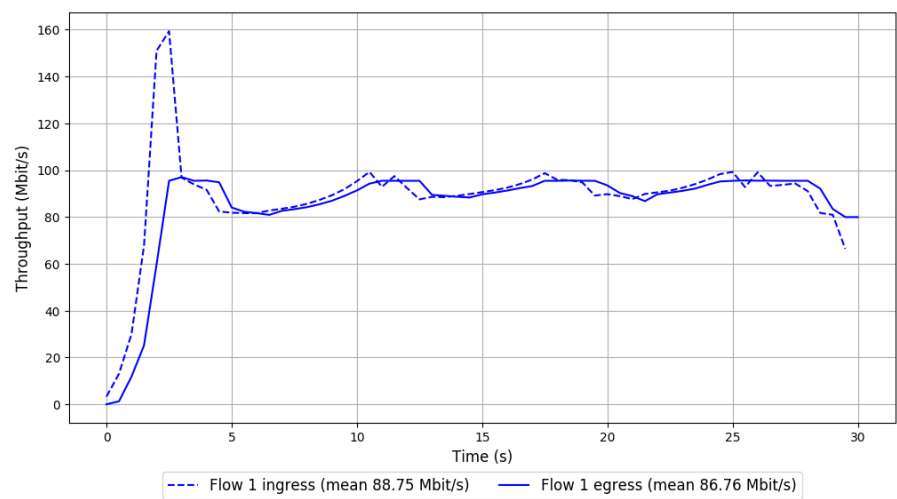
-- Flow 1:

Average throughput: 86.76 Mbit/s

95th percentile per-packet one-way delay: 112.035 ms

Loss rate: 2.26%

Run 3: Report of PCC-Expr — Data Link

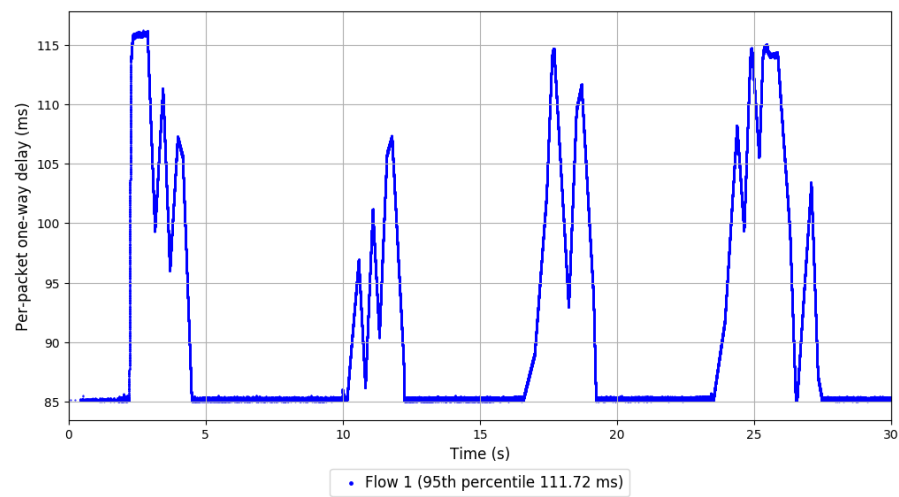
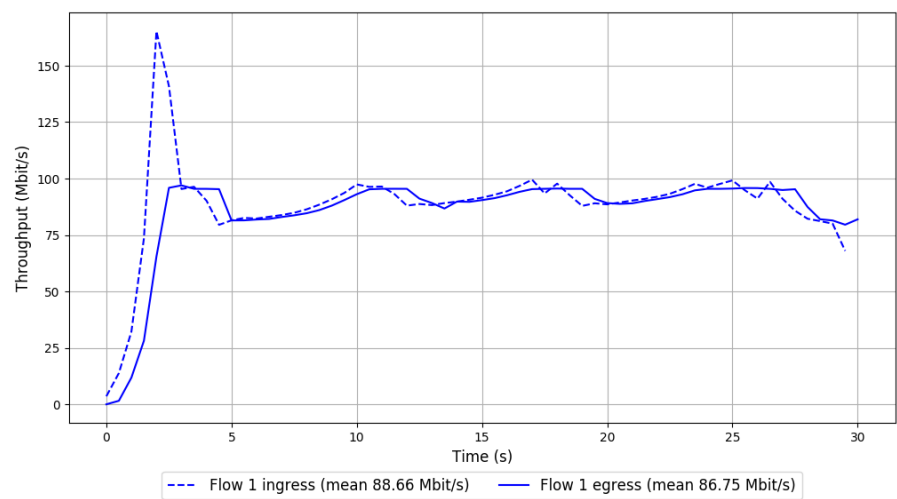


Run 4: Statistics of PCC-Expr

Start at: 2018-07-17 09:55:01
End at: 2018-07-17 09:55:31
Local clock offset: -11.054 ms
Remote clock offset: 8.892 ms

Below is generated by plot.py at 2018-07-17 12:24:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.75 Mbit/s
95th percentile per-packet one-way delay: 111.715 ms
Loss rate: 2.15%
-- Flow 1:
Average throughput: 86.75 Mbit/s
95th percentile per-packet one-way delay: 111.715 ms
Loss rate: 2.15%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-17 10:14:49

End at: 2018-07-17 10:15:19

Local clock offset: -9.714 ms

Remote clock offset: 0.58 ms

Below is generated by plot.py at 2018-07-17 12:24:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.83 Mbit/s

95th percentile per-packet one-way delay: 114.345 ms

Loss rate: 2.35%

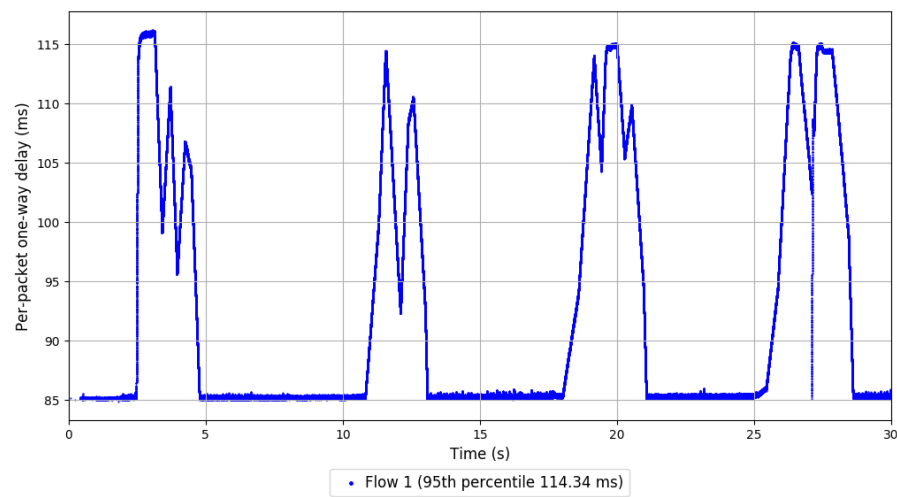
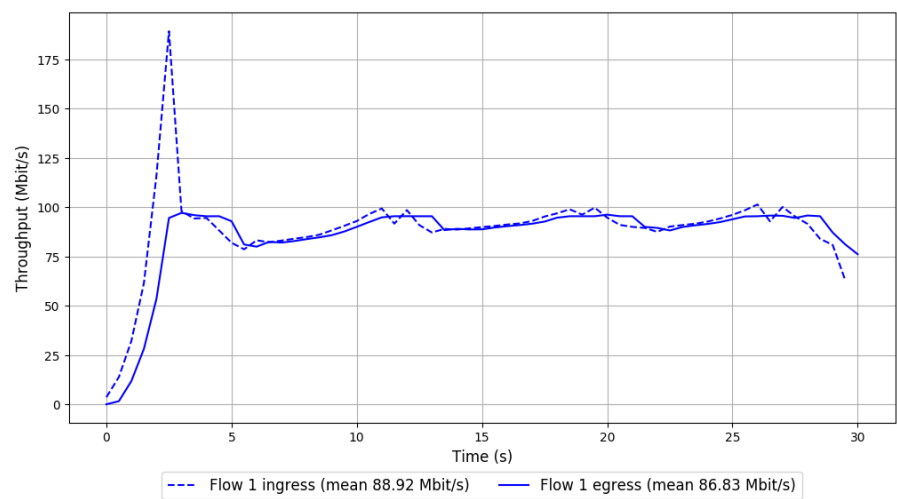
-- Flow 1:

Average throughput: 86.83 Mbit/s

95th percentile per-packet one-way delay: 114.345 ms

Loss rate: 2.35%

Run 5: Report of PCC-Expr — Data Link

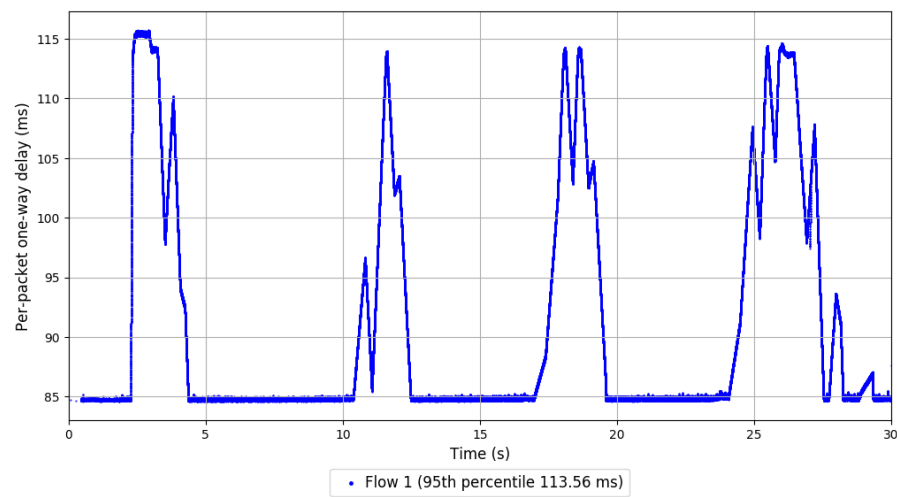
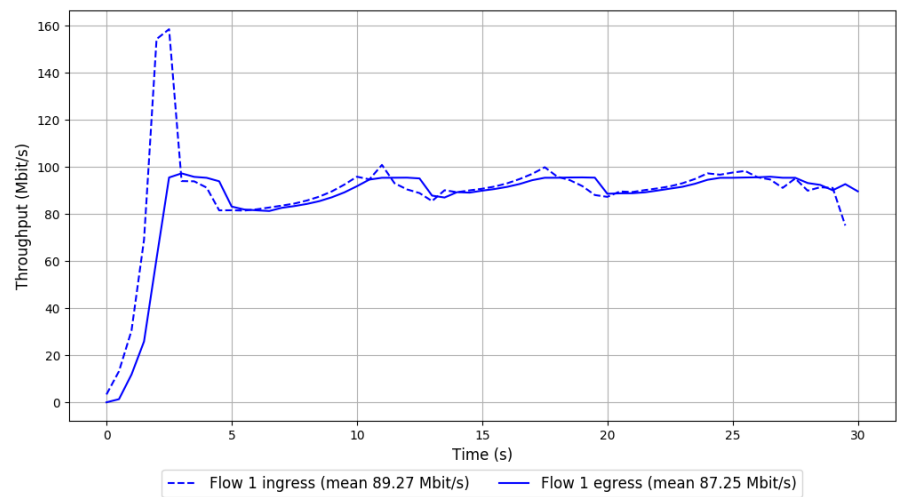


Run 6: Statistics of PCC-Expr

Start at: 2018-07-17 10:34:38
End at: 2018-07-17 10:35:08
Local clock offset: -9.146 ms
Remote clock offset: -6.046 ms

Below is generated by plot.py at 2018-07-17 12:25:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.25 Mbit/s
95th percentile per-packet one-way delay: 113.562 ms
Loss rate: 2.26%
-- Flow 1:
Average throughput: 87.25 Mbit/s
95th percentile per-packet one-way delay: 113.562 ms
Loss rate: 2.26%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-07-17 10:54:27

End at: 2018-07-17 10:54:57

Local clock offset: -8.679 ms

Remote clock offset: 4.879 ms

Below is generated by plot.py at 2018-07-17 12:25:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.96 Mbit/s

95th percentile per-packet one-way delay: 107.530 ms

Loss rate: 2.28%

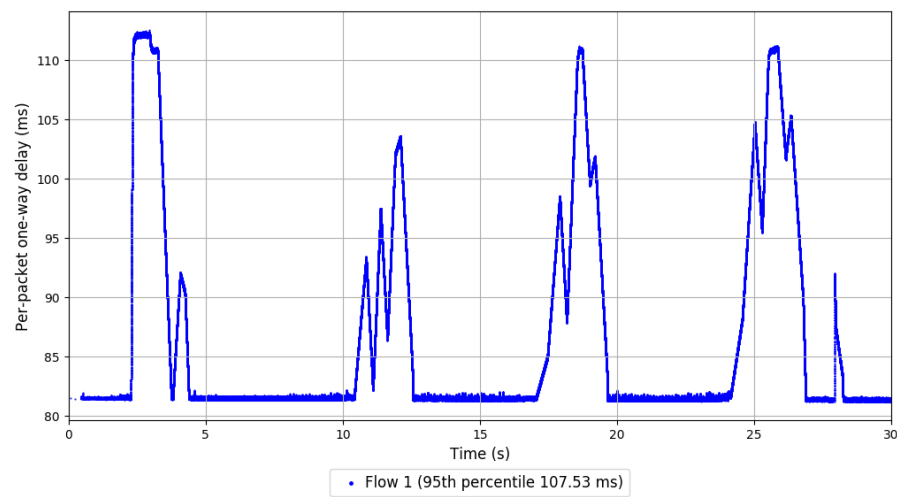
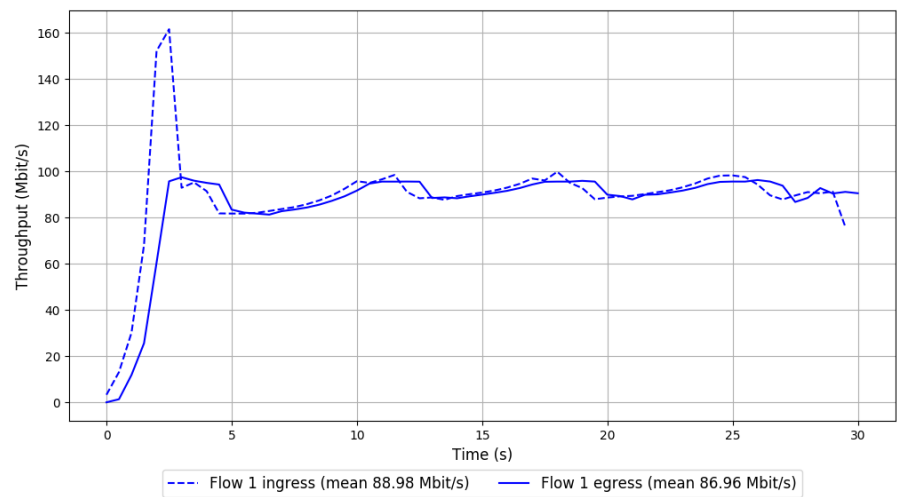
-- Flow 1:

Average throughput: 86.96 Mbit/s

95th percentile per-packet one-way delay: 107.530 ms

Loss rate: 2.28%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-07-17 11:14:15

End at: 2018-07-17 11:14:45

Local clock offset: -8.744 ms

Remote clock offset: 8.824 ms

Below is generated by plot.py at 2018-07-17 12:25:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.28 Mbit/s

95th percentile per-packet one-way delay: 109.472 ms

Loss rate: 2.23%

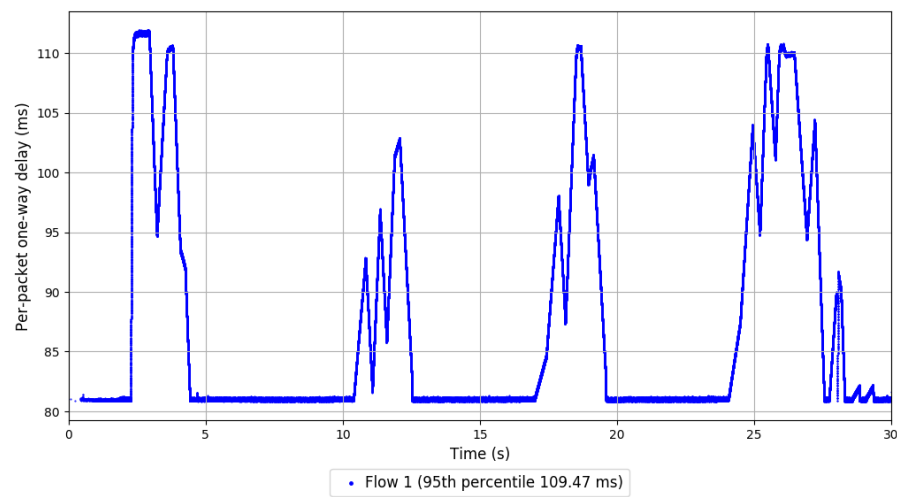
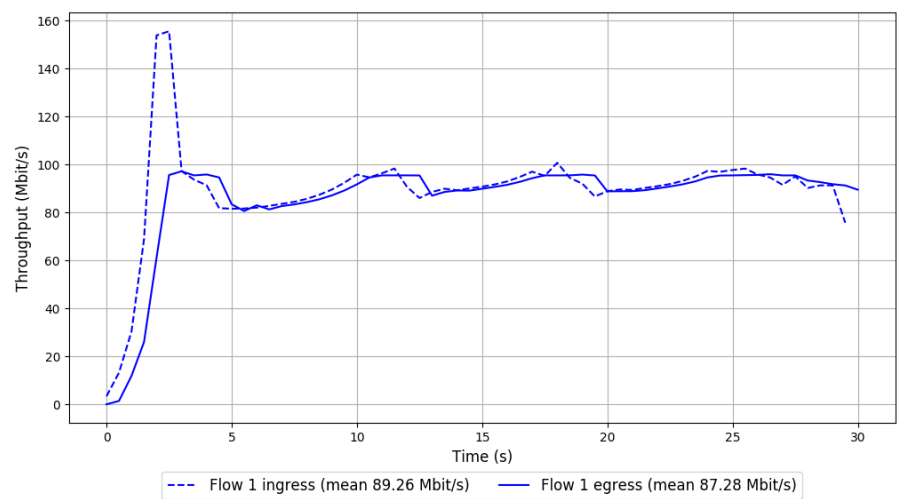
-- Flow 1:

Average throughput: 87.28 Mbit/s

95th percentile per-packet one-way delay: 109.472 ms

Loss rate: 2.23%

Run 8: Report of PCC-Expr — Data Link

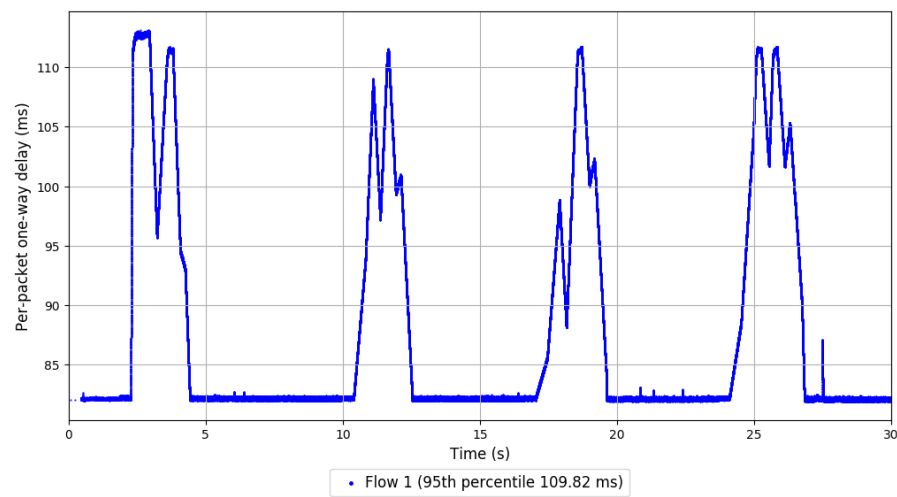
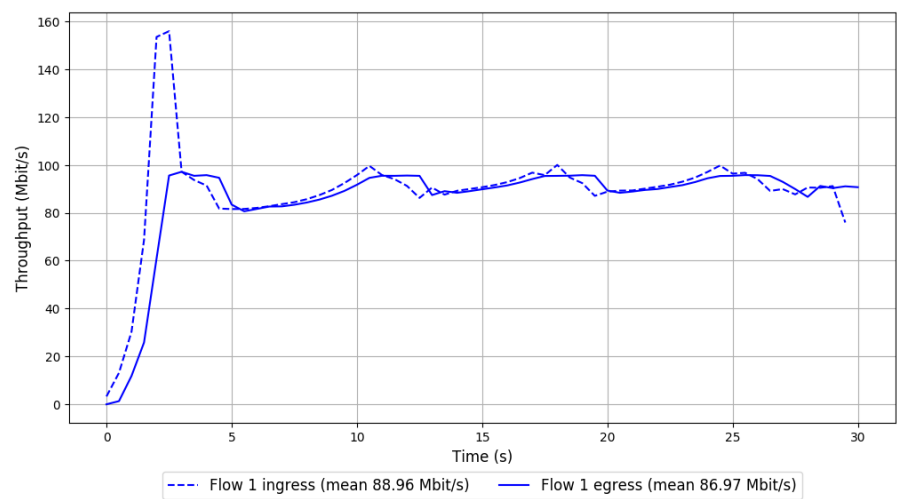


Run 9: Statistics of PCC-Expr

Start at: 2018-07-17 11:34:05
End at: 2018-07-17 11:34:35
Local clock offset: -9.563 ms
Remote clock offset: 12.053 ms

Below is generated by plot.py at 2018-07-17 12:26:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.97 Mbit/s
95th percentile per-packet one-way delay: 109.821 ms
Loss rate: 2.25%
-- Flow 1:
Average throughput: 86.97 Mbit/s
95th percentile per-packet one-way delay: 109.821 ms
Loss rate: 2.25%

Run 9: Report of PCC-Expr — Data Link

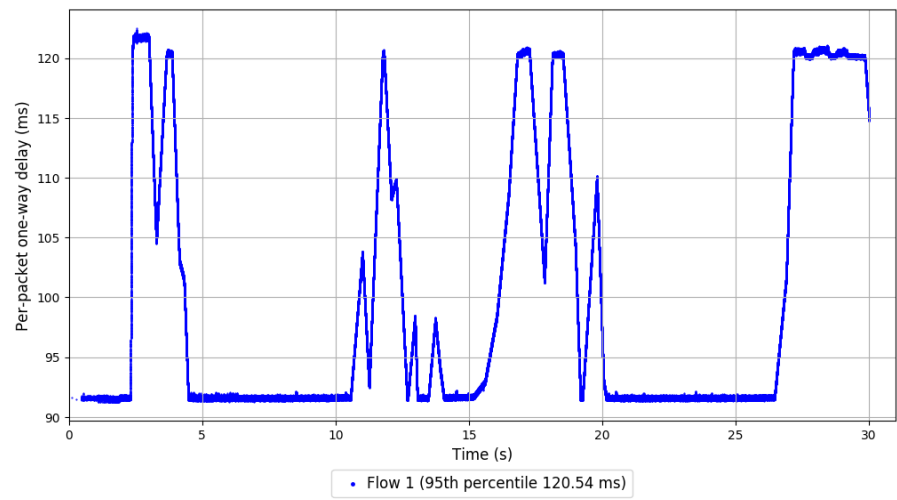
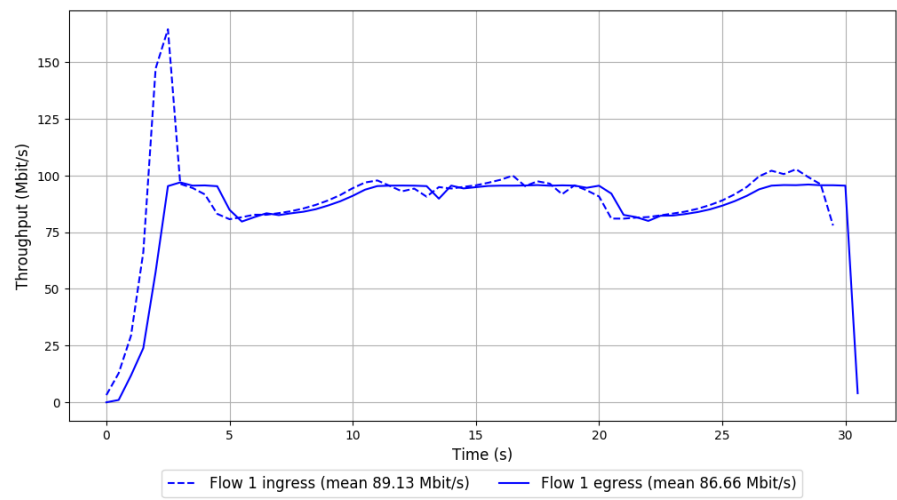


Run 10: Statistics of PCC-Expr

Start at: 2018-07-17 11:53:55
End at: 2018-07-17 11:54:25
Local clock offset: -10.025 ms
Remote clock offset: 15.846 ms

Below is generated by plot.py at 2018-07-17 12:26:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.66 Mbit/s
95th percentile per-packet one-way delay: 120.541 ms
Loss rate: 2.72%
-- Flow 1:
Average throughput: 86.66 Mbit/s
95th percentile per-packet one-way delay: 120.541 ms
Loss rate: 2.72%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-07-17 08:51:58

End at: 2018-07-17 08:52:28

Local clock offset: -8.628 ms

Remote clock offset: 1.649 ms

Below is generated by plot.py at 2018-07-17 12:26:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.87 Mbit/s

95th percentile per-packet one-way delay: 88.726 ms

Loss rate: 0.94%

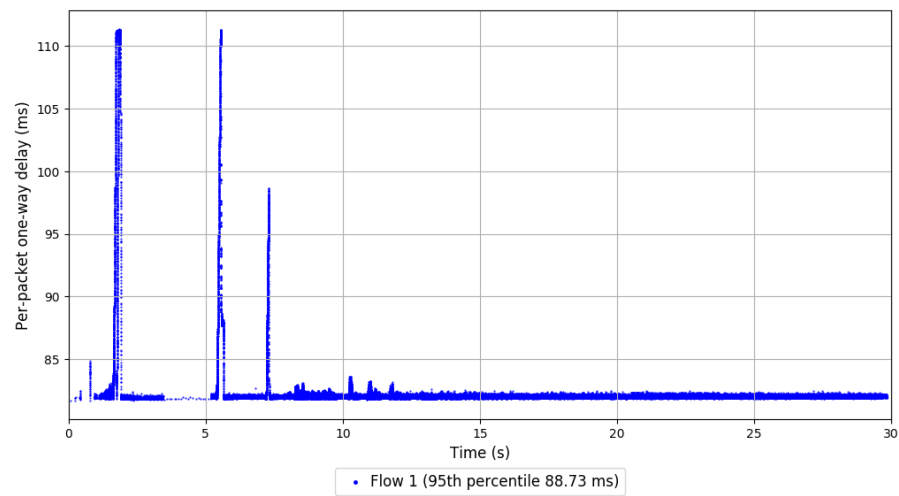
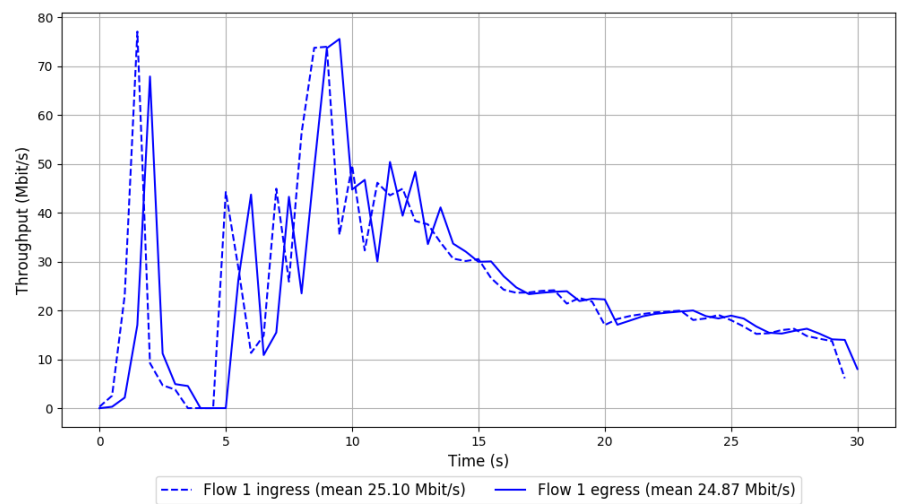
-- Flow 1:

Average throughput: 24.87 Mbit/s

95th percentile per-packet one-way delay: 88.726 ms

Loss rate: 0.94%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-17 09:11:47

End at: 2018-07-17 09:12:17

Local clock offset: -8.34 ms

Remote clock offset: -1.966 ms

Below is generated by plot.py at 2018-07-17 12:26:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.90 Mbit/s

95th percentile per-packet one-way delay: 107.277 ms

Loss rate: 0.46%

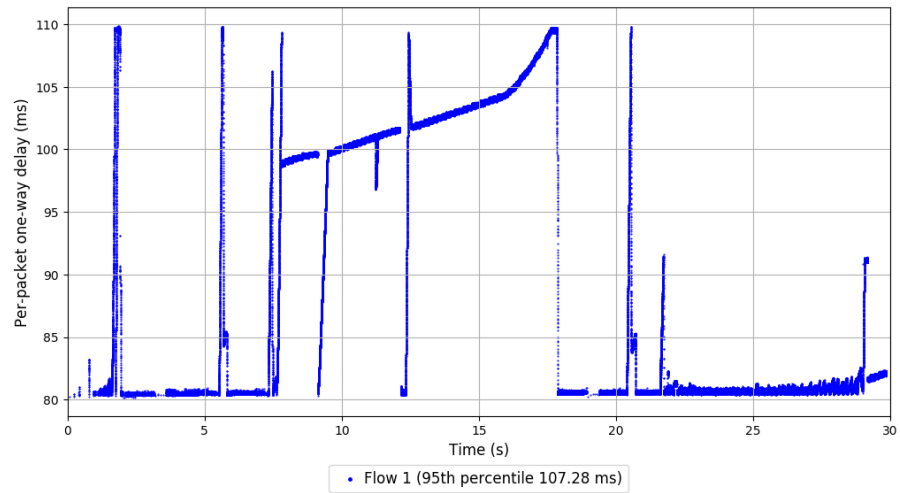
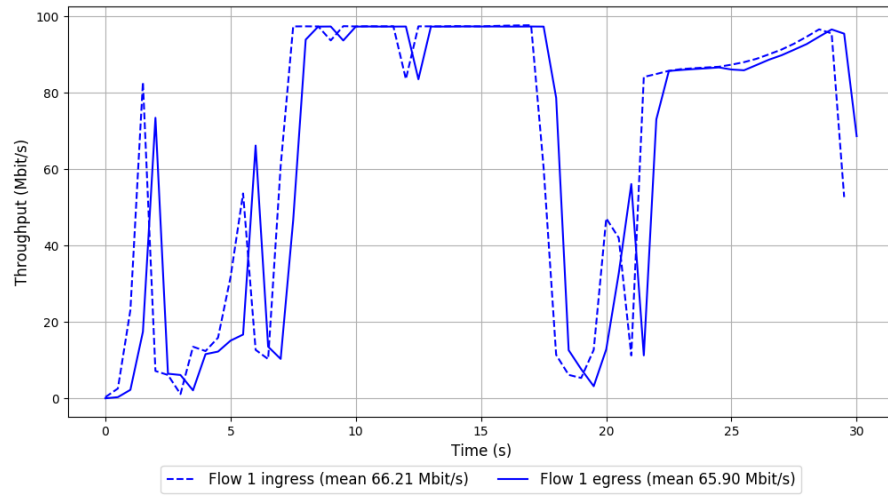
-- Flow 1:

Average throughput: 65.90 Mbit/s

95th percentile per-packet one-way delay: 107.277 ms

Loss rate: 0.46%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-17 09:31:37

End at: 2018-07-17 09:32:07

Local clock offset: -9.549 ms

Remote clock offset: -1.112 ms

Below is generated by plot.py at 2018-07-17 12:26:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.56 Mbit/s

95th percentile per-packet one-way delay: 108.969 ms

Loss rate: 0.37%

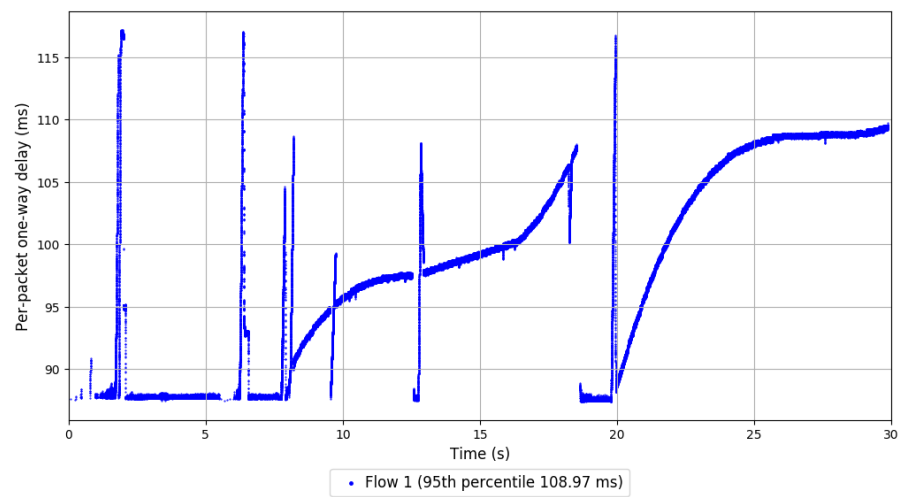
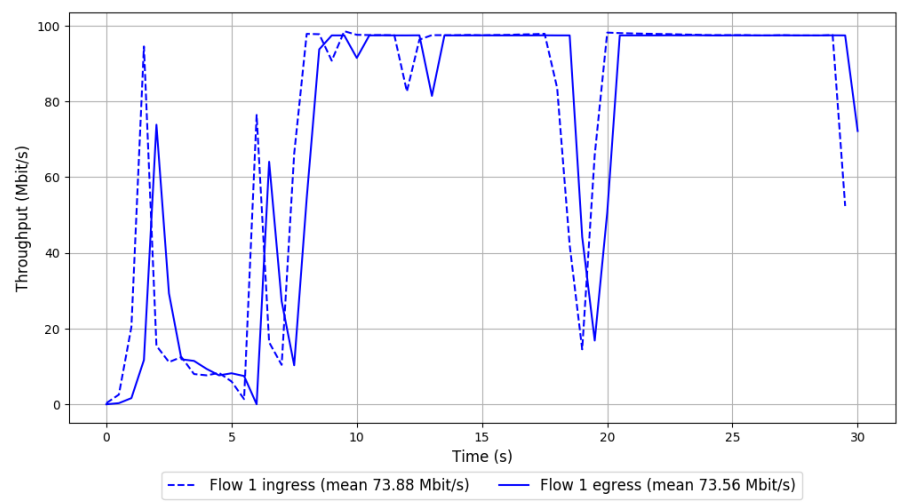
-- Flow 1:

Average throughput: 73.56 Mbit/s

95th percentile per-packet one-way delay: 108.969 ms

Loss rate: 0.37%

Run 3: Report of QUIC Cubic — Data Link

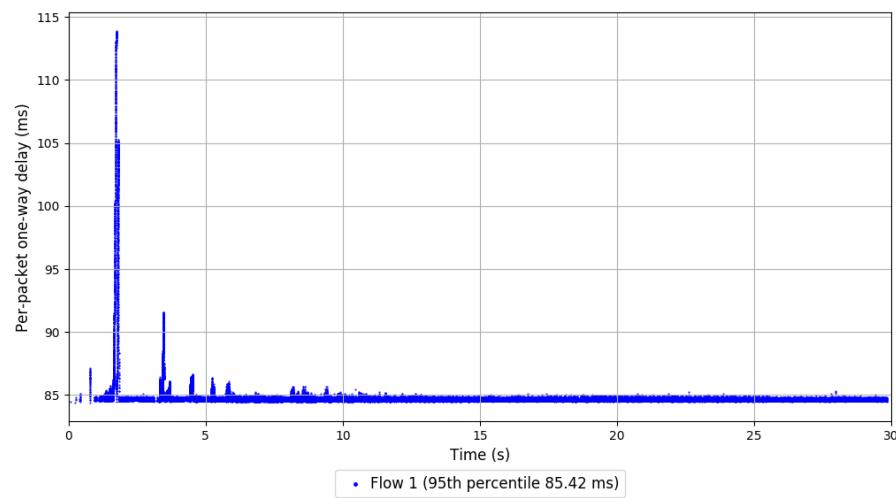
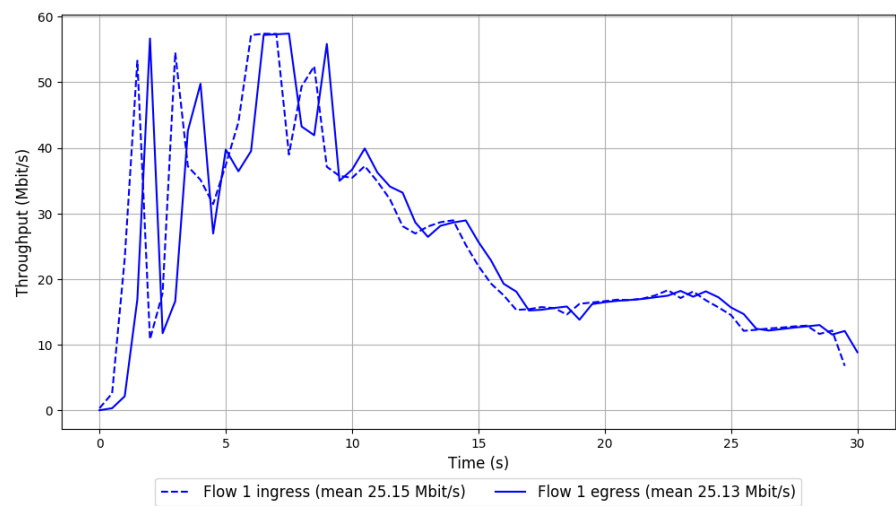


Run 4: Statistics of QUIC Cubic

Start at: 2018-07-17 09:51:30
End at: 2018-07-17 09:52:00
Local clock offset: -11.035 ms
Remote clock offset: 6.433 ms

Below is generated by plot.py at 2018-07-17 12:26:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 25.13 Mbit/s
95th percentile per-packet one-way delay: 85.423 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 25.13 Mbit/s
95th percentile per-packet one-way delay: 85.423 ms
Loss rate: 0.07%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-17 10:11:16

End at: 2018-07-17 10:11:46

Local clock offset: -9.831 ms

Remote clock offset: 2.148 ms

Below is generated by plot.py at 2018-07-17 12:26:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.94 Mbit/s

95th percentile per-packet one-way delay: 93.339 ms

Loss rate: 0.42%

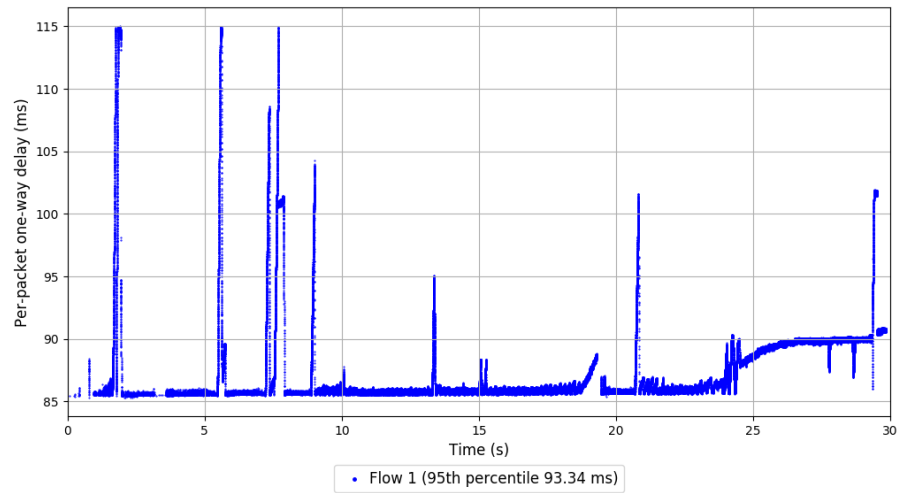
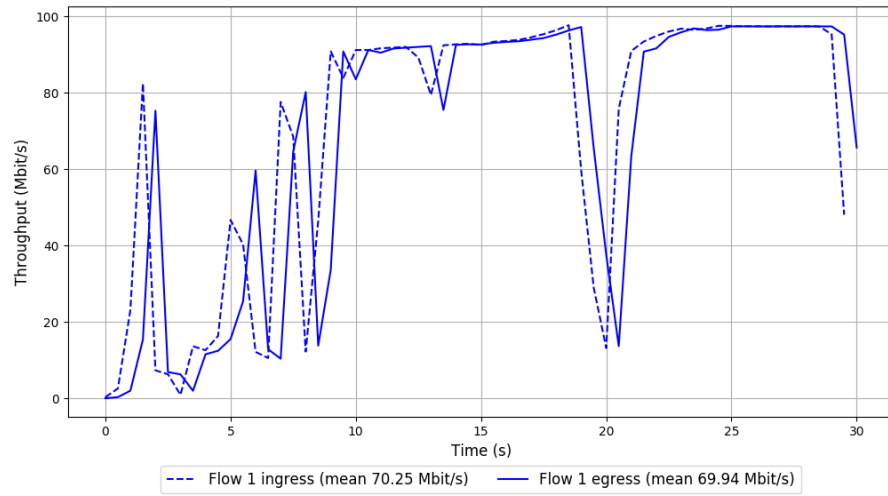
-- Flow 1:

Average throughput: 69.94 Mbit/s

95th percentile per-packet one-way delay: 93.339 ms

Loss rate: 0.42%

Run 5: Report of QUIC Cubic — Data Link

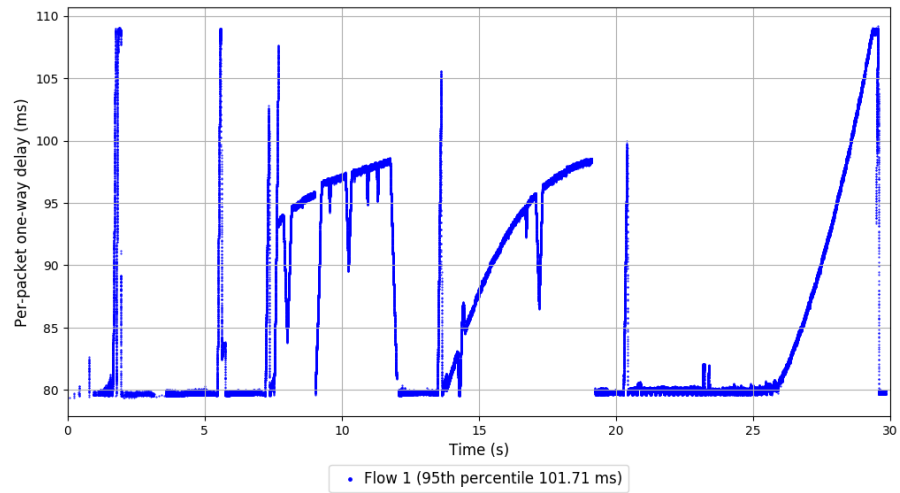
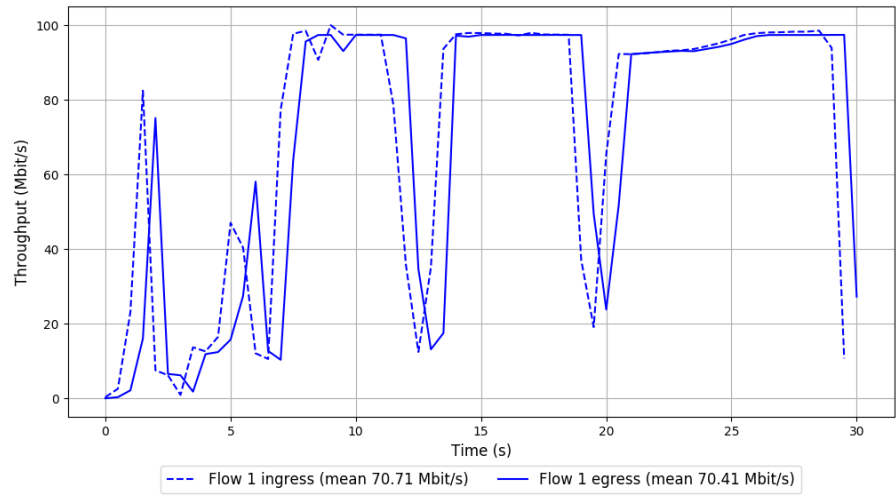


Run 6: Statistics of QUIC Cubic

Start at: 2018-07-17 10:31:05
End at: 2018-07-17 10:31:35
Local clock offset: -9.264 ms
Remote clock offset: -9.255 ms

Below is generated by plot.py at 2018-07-17 12:26:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.41 Mbit/s
95th percentile per-packet one-way delay: 101.709 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 70.41 Mbit/s
95th percentile per-packet one-way delay: 101.709 ms
Loss rate: 0.43%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-17 10:50:51

End at: 2018-07-17 10:51:21

Local clock offset: -8.743 ms

Remote clock offset: 3.238 ms

Below is generated by plot.py at 2018-07-17 12:26:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.72 Mbit/s

95th percentile per-packet one-way delay: 83.815 ms

Loss rate: 0.98%

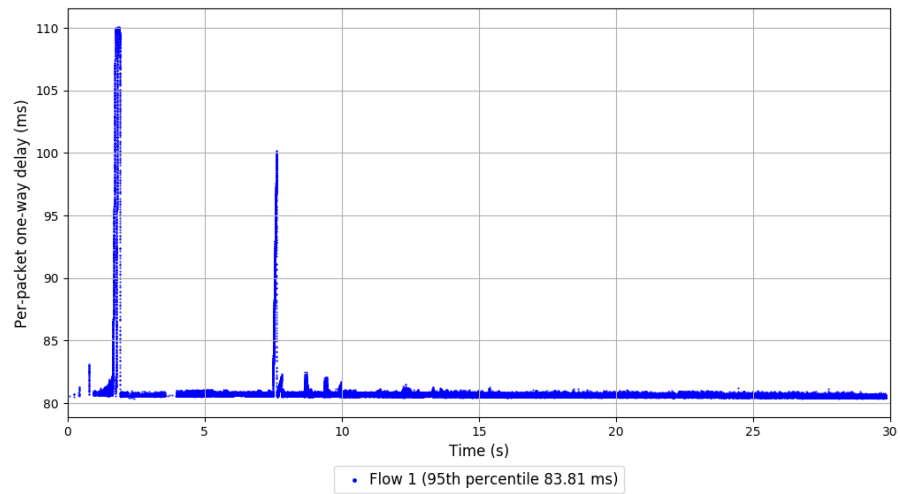
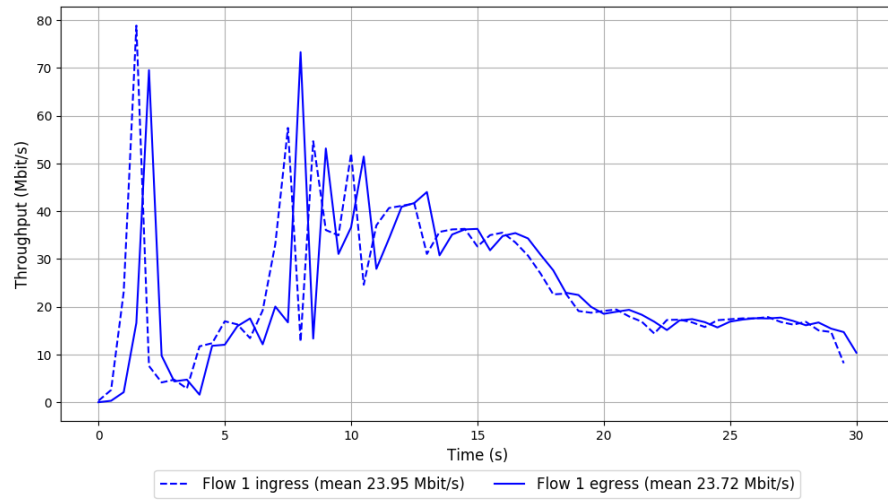
-- Flow 1:

Average throughput: 23.72 Mbit/s

95th percentile per-packet one-way delay: 83.815 ms

Loss rate: 0.98%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-17 11:10:42

End at: 2018-07-17 11:11:12

Local clock offset: -8.757 ms

Remote clock offset: 13.771 ms

Below is generated by plot.py at 2018-07-17 12:26:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.44 Mbit/s

95th percentile per-packet one-way delay: 107.915 ms

Loss rate: 0.42%

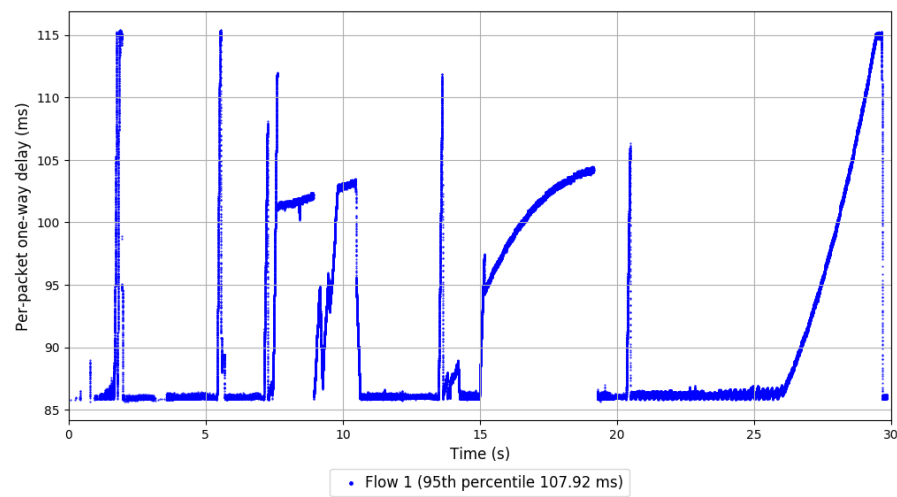
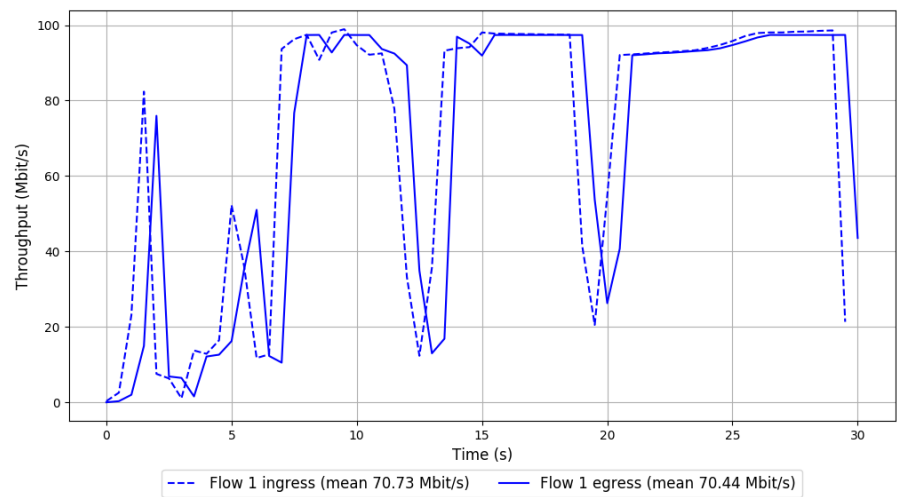
-- Flow 1:

Average throughput: 70.44 Mbit/s

95th percentile per-packet one-way delay: 107.915 ms

Loss rate: 0.42%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-17 11:30:32

End at: 2018-07-17 11:31:02

Local clock offset: -9.268 ms

Remote clock offset: 11.587 ms

Below is generated by plot.py at 2018-07-17 12:26:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.56 Mbit/s

95th percentile per-packet one-way delay: 108.659 ms

Loss rate: 0.48%

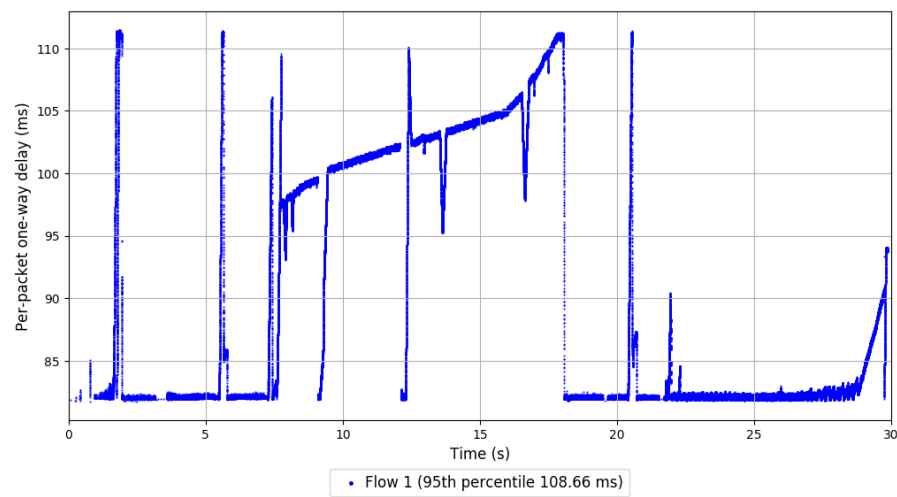
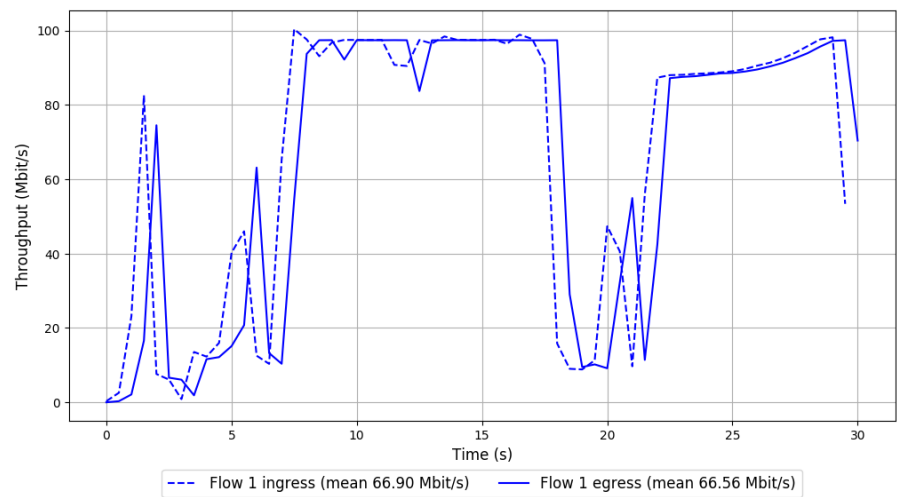
-- Flow 1:

Average throughput: 66.56 Mbit/s

95th percentile per-packet one-way delay: 108.659 ms

Loss rate: 0.48%

Run 9: Report of QUIC Cubic — Data Link

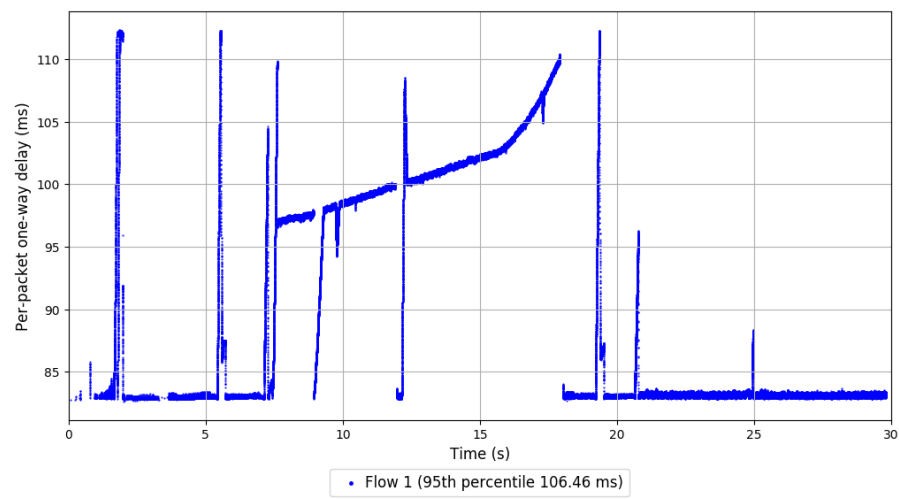
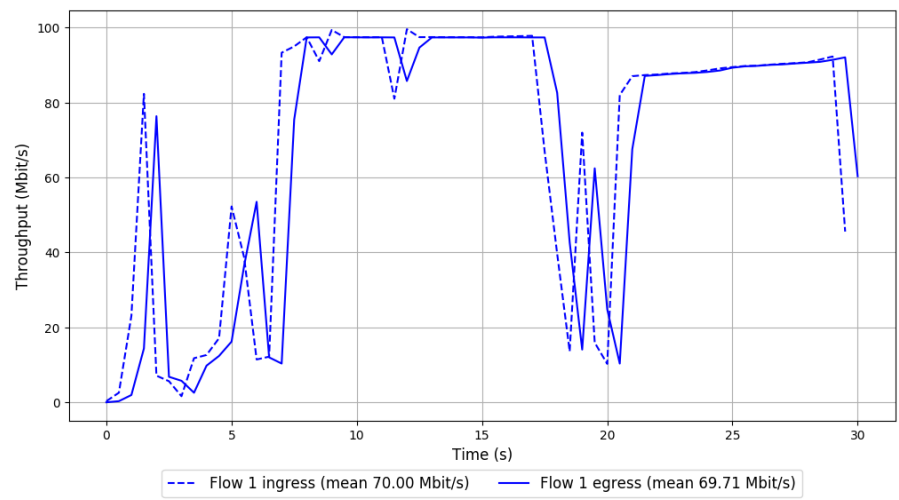


Run 10: Statistics of QUIC Cubic

Start at: 2018-07-17 11:50:21
End at: 2018-07-17 11:50:51
Local clock offset: -9.973 ms
Remote clock offset: 12.248 ms

Below is generated by plot.py at 2018-07-17 12:27:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.71 Mbit/s
95th percentile per-packet one-way delay: 106.458 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 69.71 Mbit/s
95th percentile per-packet one-way delay: 106.458 ms
Loss rate: 0.43%

Run 10: Report of QUIC Cubic — Data Link

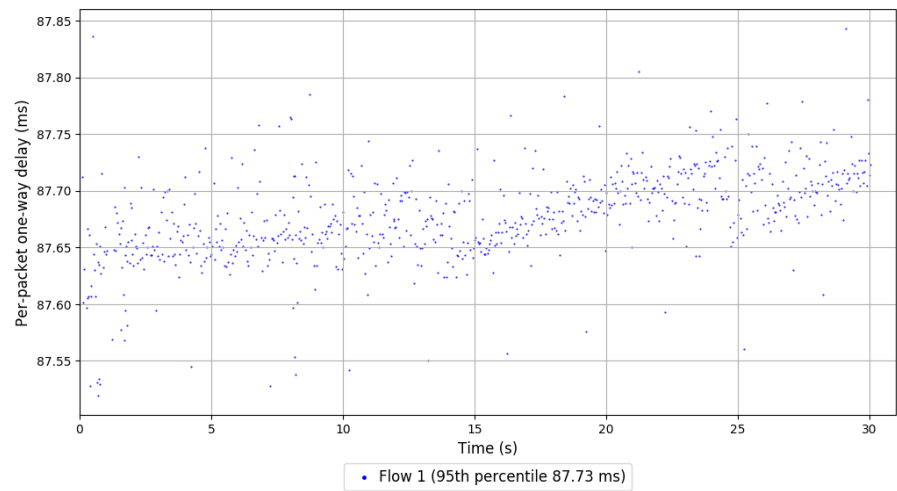
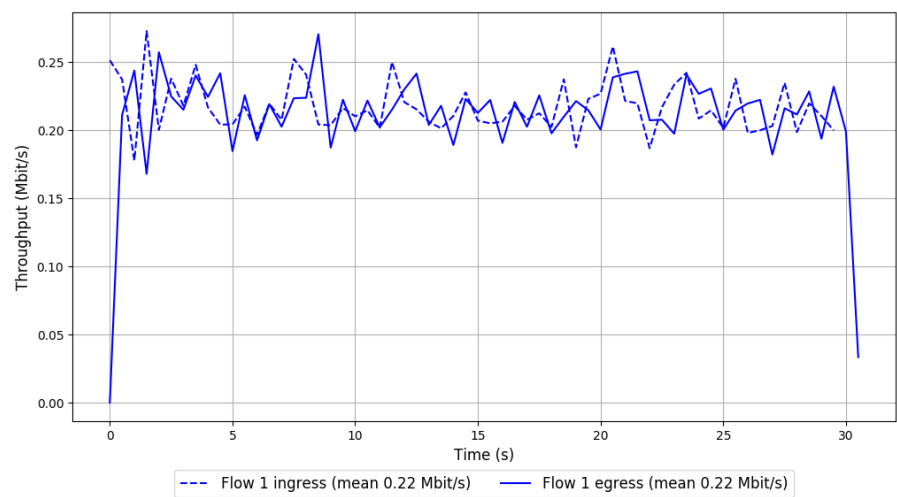


Run 1: Statistics of SCReAM

Start at: 2018-07-17 09:06:00
End at: 2018-07-17 09:06:30
Local clock offset: -8.481 ms
Remote clock offset: -1.168 ms

Below is generated by plot.py at 2018-07-17 12:27:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.735 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.735 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

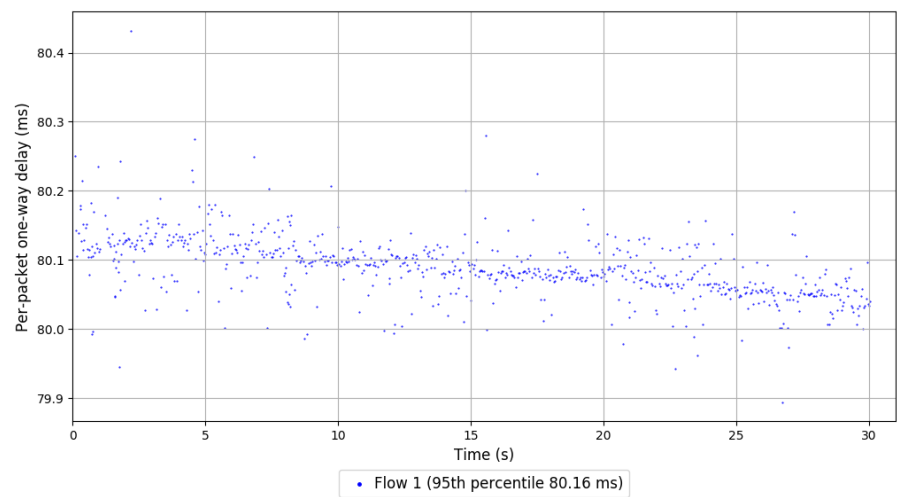
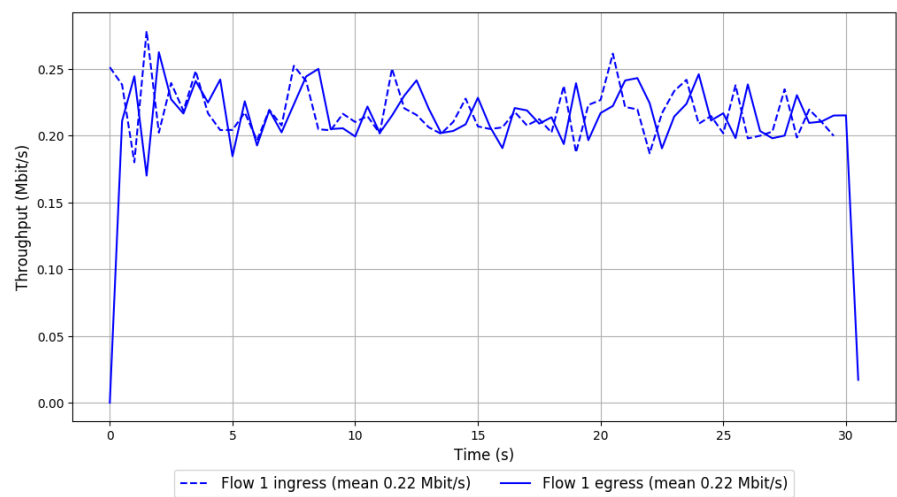


Run 2: Statistics of SCReAM

Start at: 2018-07-17 09:25:49
End at: 2018-07-17 09:26:19
Local clock offset: -8.082 ms
Remote clock offset: -3.771 ms

Below is generated by plot.py at 2018-07-17 12:27:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.157 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.157 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

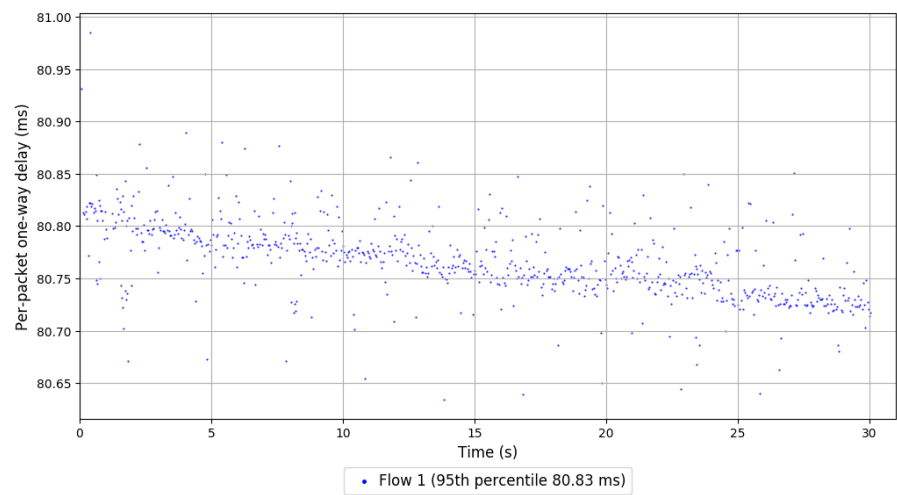
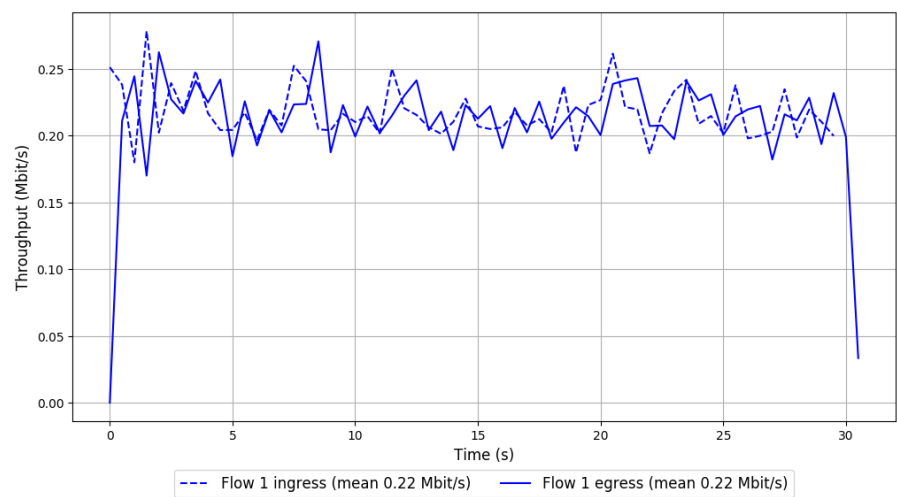


Run 3: Statistics of SCReAM

Start at: 2018-07-17 09:45:41
End at: 2018-07-17 09:46:11
Local clock offset: -10.836 ms
Remote clock offset: 3.348 ms

Below is generated by plot.py at 2018-07-17 12:27:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.825 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.825 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

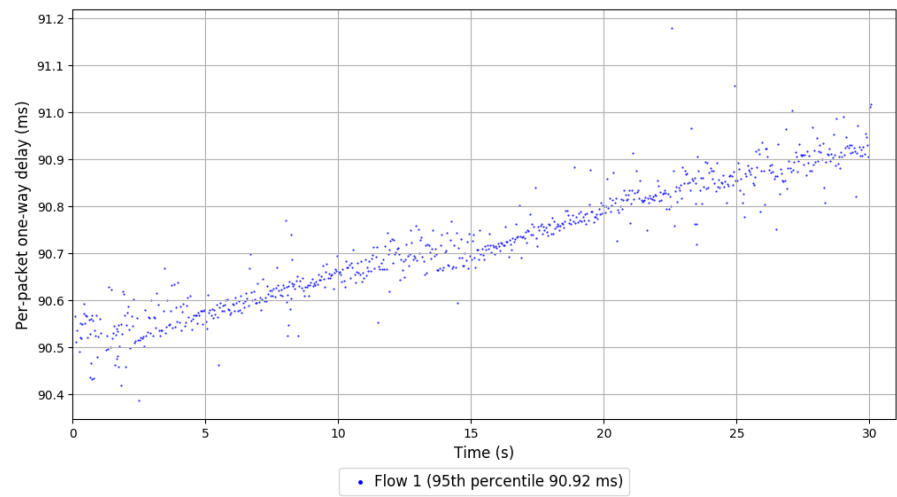
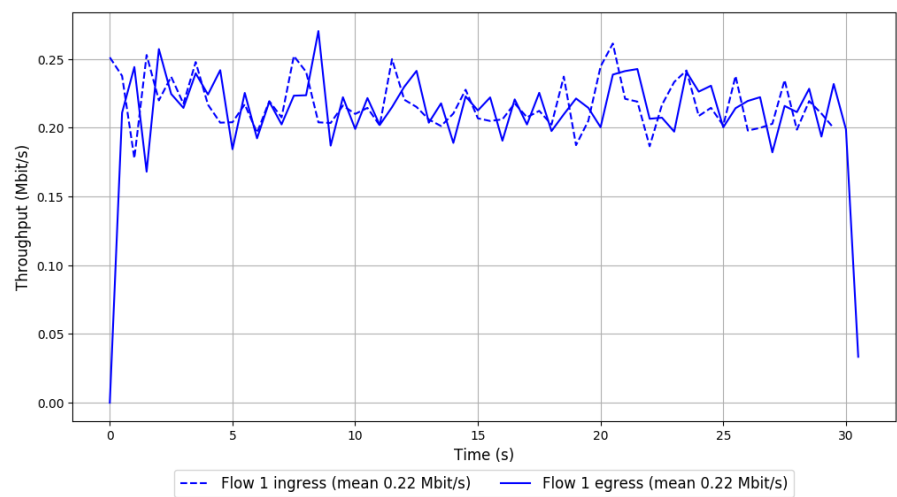


Run 4: Statistics of SCReAM

Start at: 2018-07-17 10:05:29
End at: 2018-07-17 10:05:59
Local clock offset: -10.086 ms
Remote clock offset: 3.502 ms

Below is generated by plot.py at 2018-07-17 12:27:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 90.917 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 90.917 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

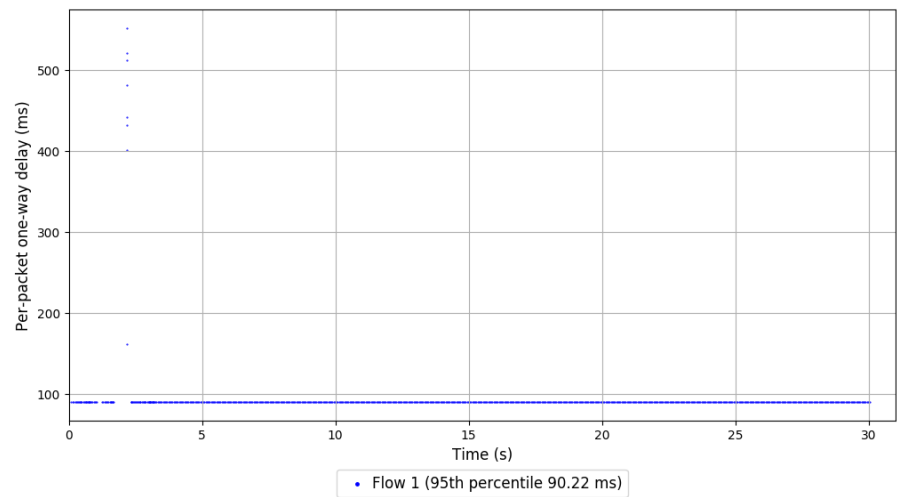
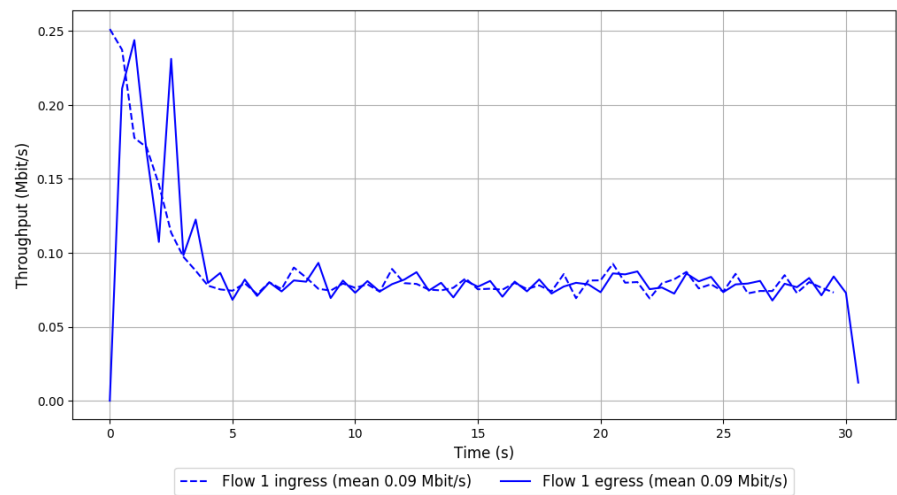


Run 5: Statistics of SCReAM

Start at: 2018-07-17 10:25:17
End at: 2018-07-17 10:25:47
Local clock offset: -9.538 ms
Remote clock offset: -3.292 ms

Below is generated by plot.py at 2018-07-17 12:27:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 90.217 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 90.217 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-07-17 10:45:06

End at: 2018-07-17 10:45:36

Local clock offset: -8.864 ms

Remote clock offset: 1.19 ms

Below is generated by plot.py at 2018-07-17 12:27:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 81.788 ms

Loss rate: 0.14%

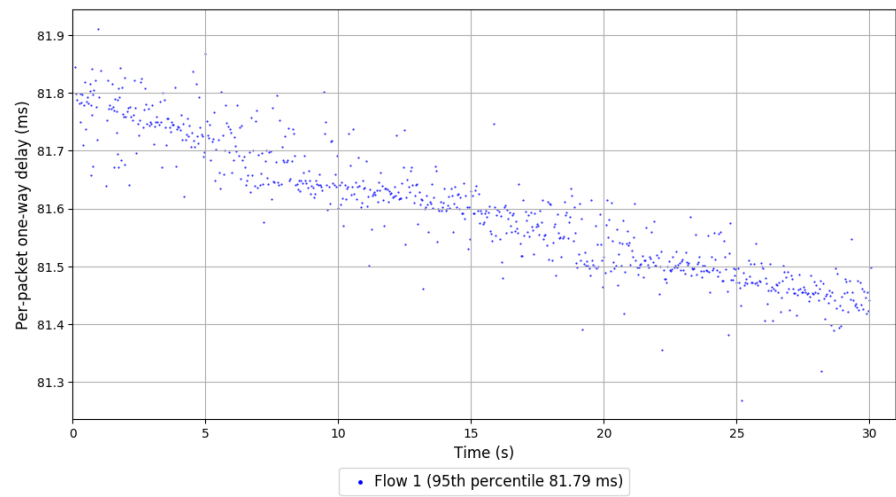
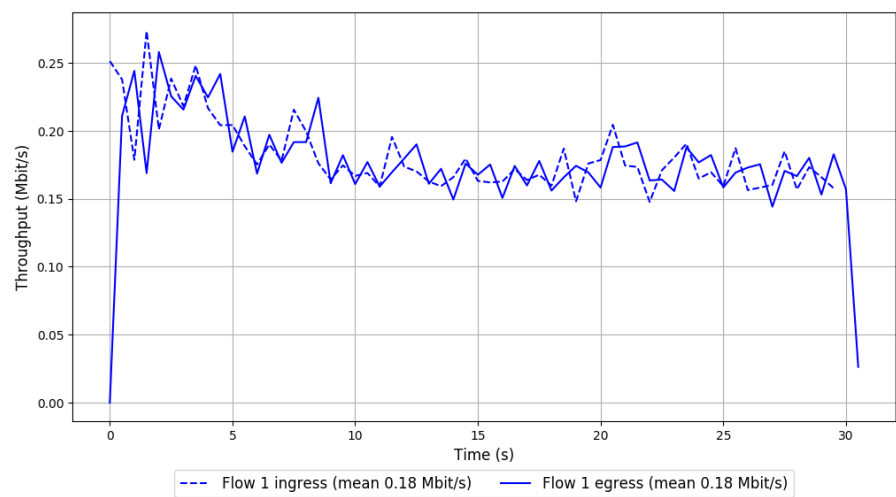
-- Flow 1:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 81.788 ms

Loss rate: 0.14%

Run 6: Report of SReAM — Data Link

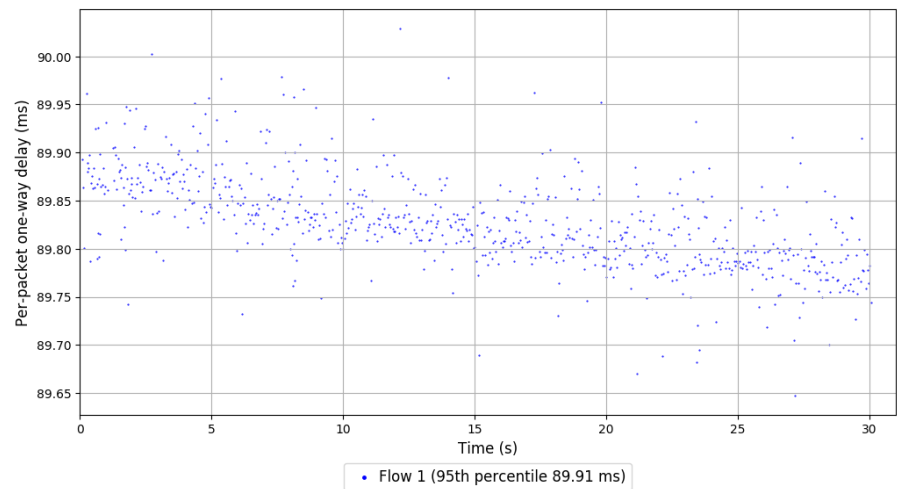
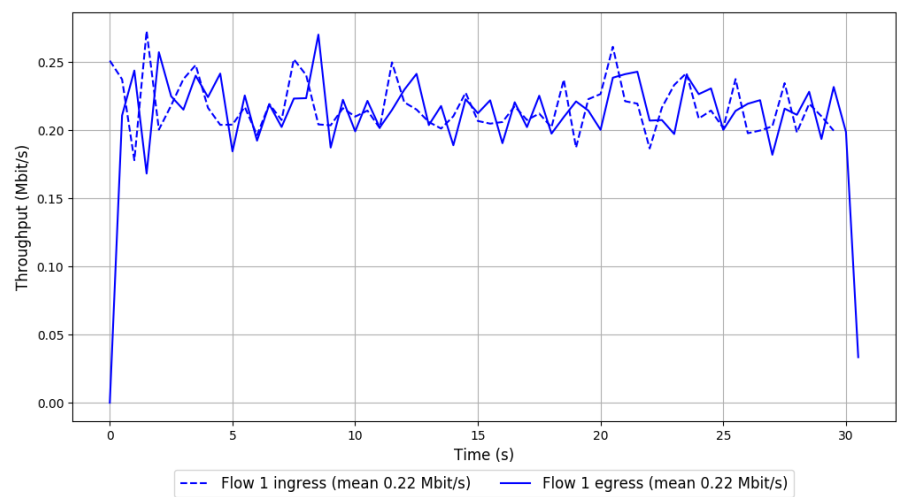


Run 7: Statistics of SCReAM

Start at: 2018-07-17 11:04:55
End at: 2018-07-17 11:05:25
Local clock offset: -8.825 ms
Remote clock offset: 12.509 ms

Below is generated by plot.py at 2018-07-17 12:27:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 89.910 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 89.910 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

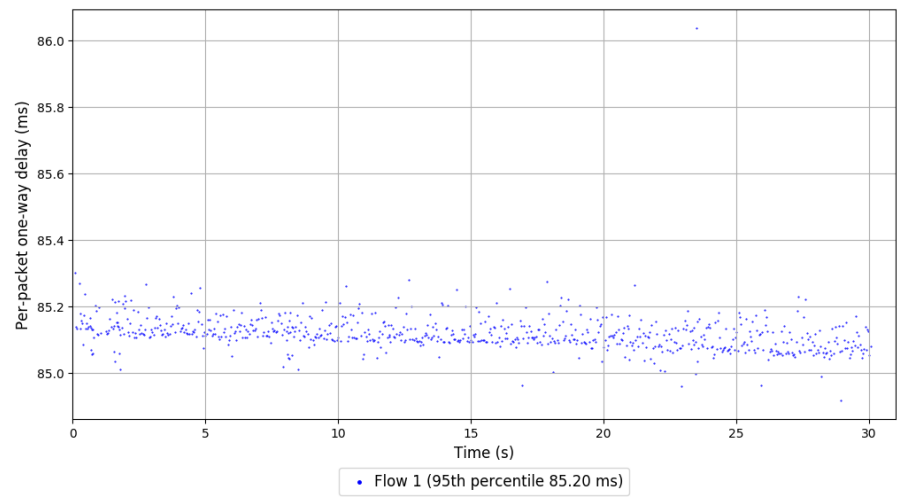
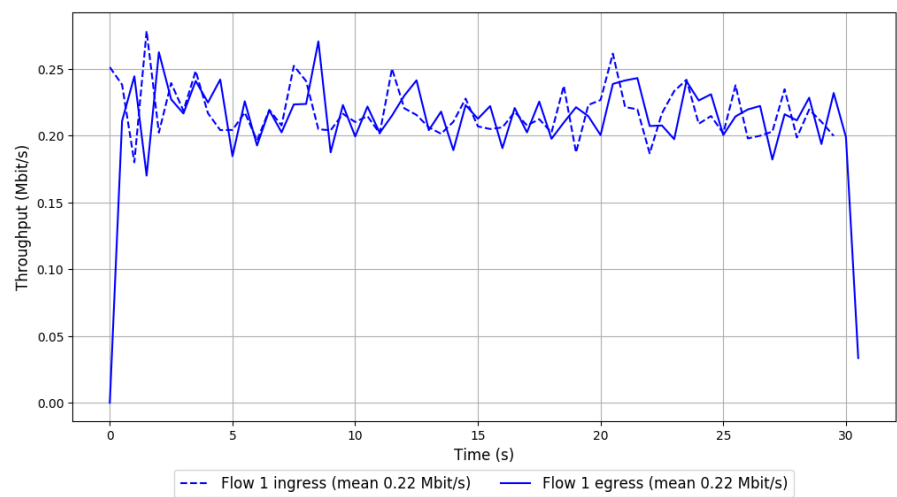


Run 8: Statistics of SCReAM

Start at: 2018-07-17 11:24:44
End at: 2018-07-17 11:25:14
Local clock offset: -8.755 ms
Remote clock offset: 15.828 ms

Below is generated by plot.py at 2018-07-17 12:27:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.201 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.201 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

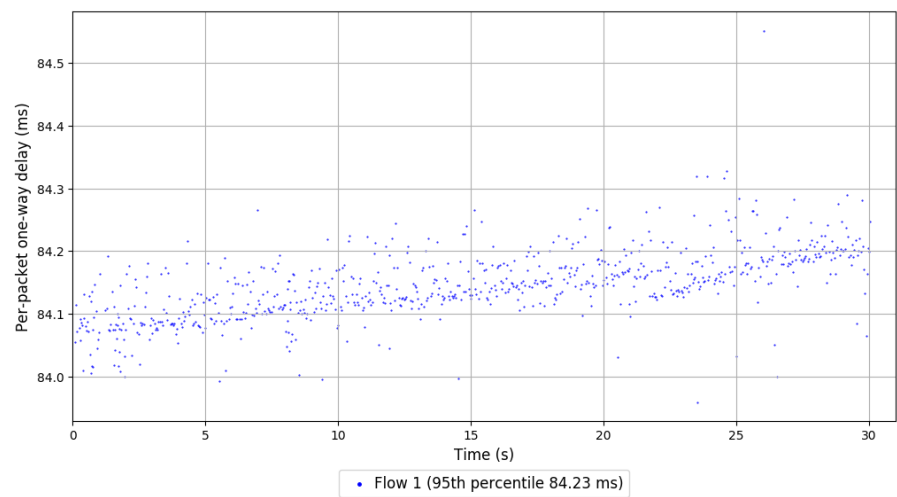
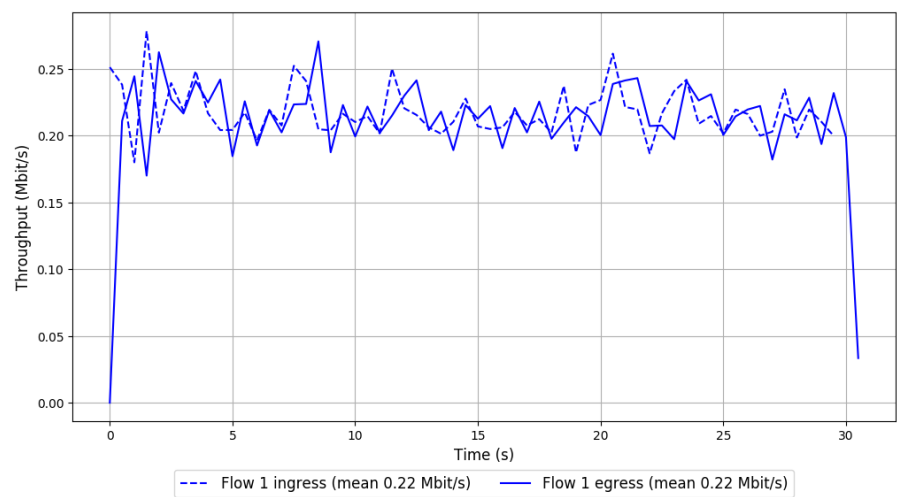


Run 9: Statistics of SCReAM

Start at: 2018-07-17 11:44:35
End at: 2018-07-17 11:45:05
Local clock offset: -9.868 ms
Remote clock offset: 17.243 ms

Below is generated by plot.py at 2018-07-17 12:27:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.234 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.234 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-07-17 12:04:23

End at: 2018-07-17 12:04:53

Local clock offset: -6.035 ms

Remote clock offset: 11.165 ms

Below is generated by plot.py at 2018-07-17 12:27:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 81.724 ms

Loss rate: 0.00%

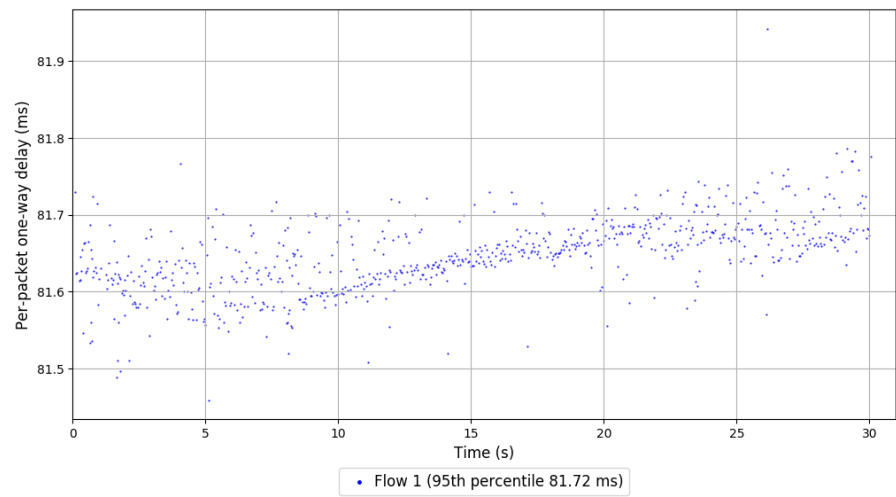
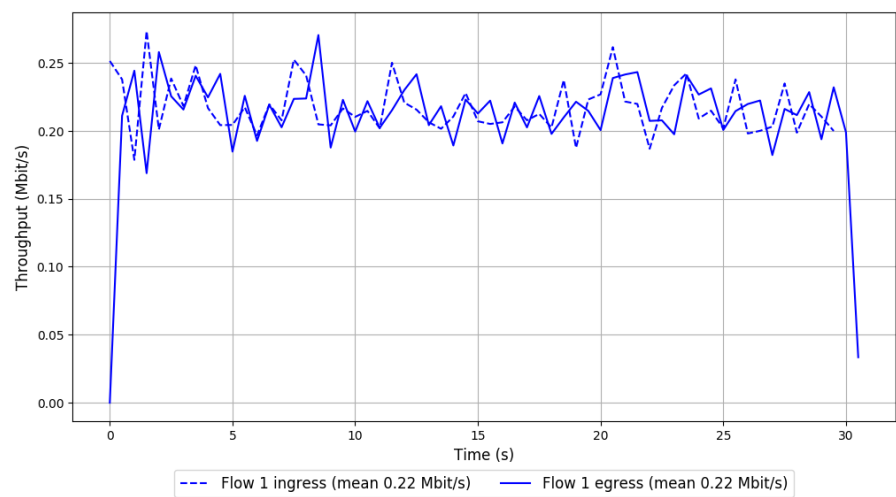
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 81.724 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-07-17 09:03:47

End at: 2018-07-17 09:04:17

Local clock offset: -8.612 ms

Remote clock offset: -0.82 ms

Below is generated by plot.py at 2018-07-17 12:27:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 80.701 ms

Loss rate: 0.00%

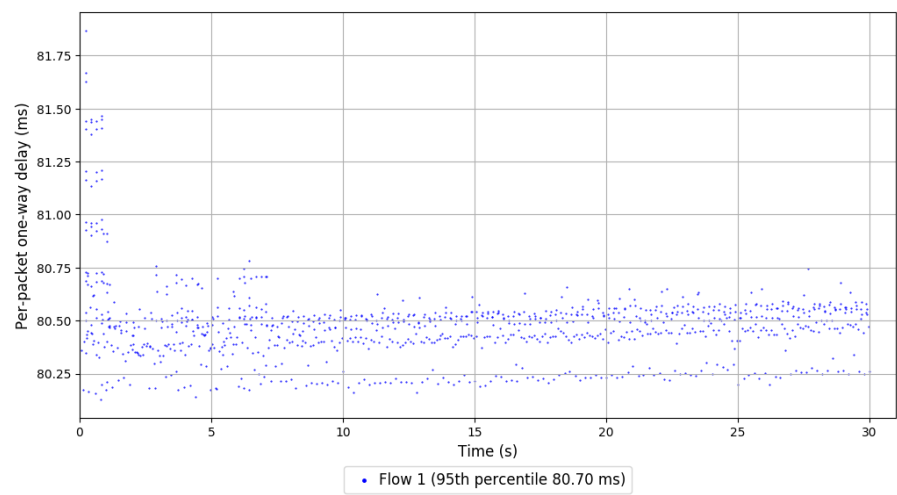
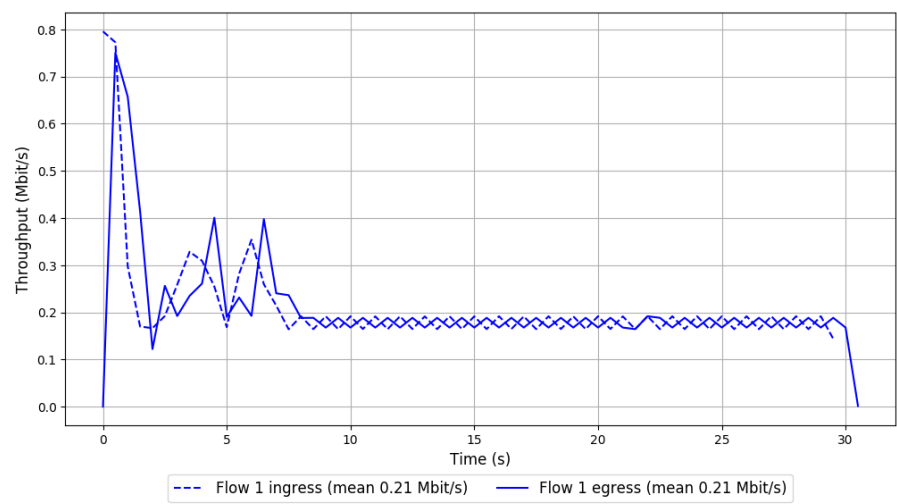
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 80.701 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-07-17 09:23:36

End at: 2018-07-17 09:24:06

Local clock offset: -7.987 ms

Remote clock offset: 0.285 ms

Below is generated by plot.py at 2018-07-17 12:27:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 90.106 ms

Loss rate: 0.00%

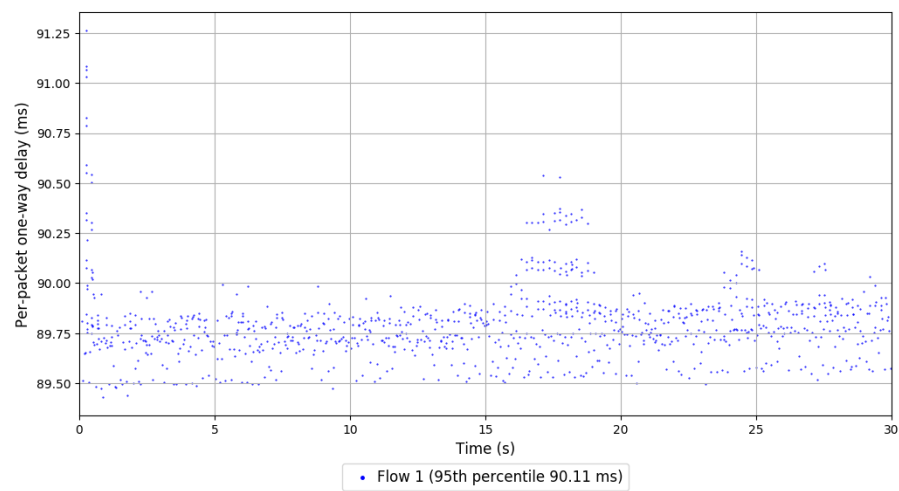
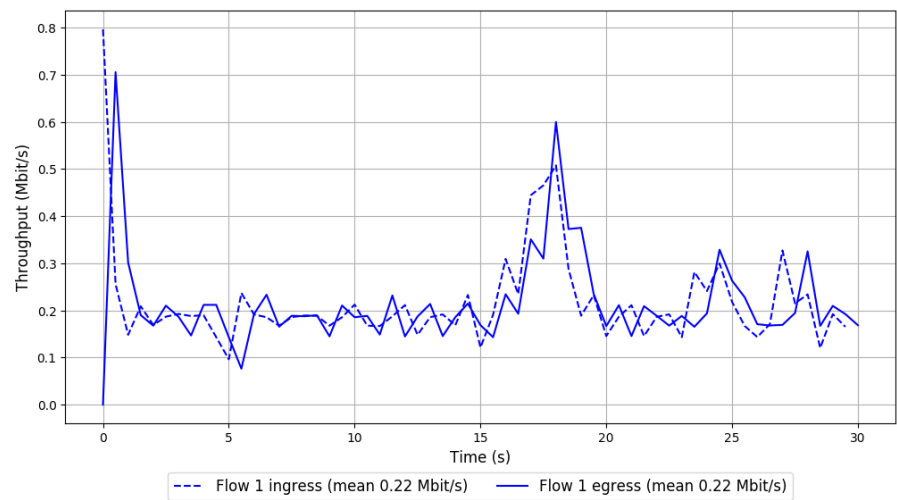
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 90.106 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

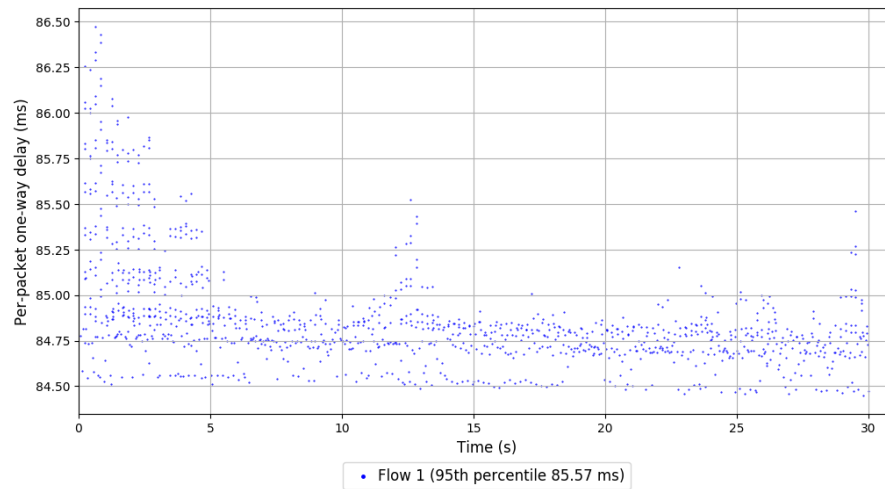
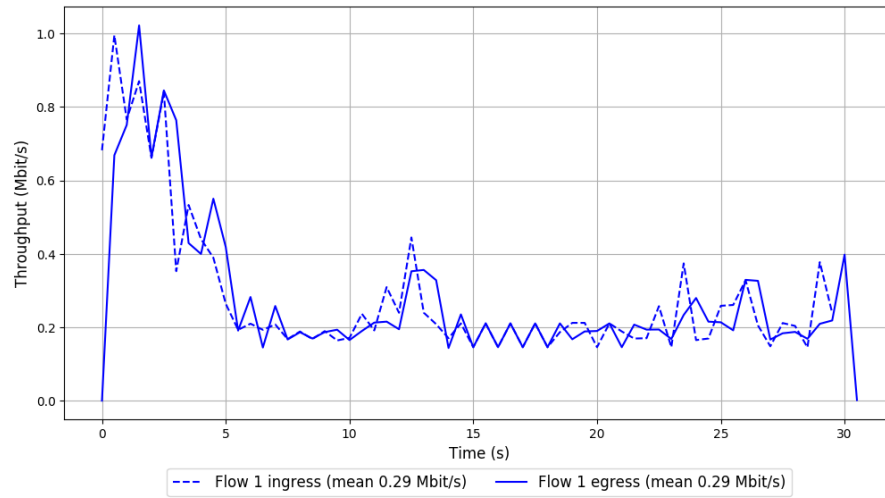


Run 3: Statistics of Sprout

Start at: 2018-07-17 09:43:28
End at: 2018-07-17 09:43:58
Local clock offset: -10.682 ms
Remote clock offset: 5.721 ms

Below is generated by plot.py at 2018-07-17 12:27:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 85.568 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 85.568 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

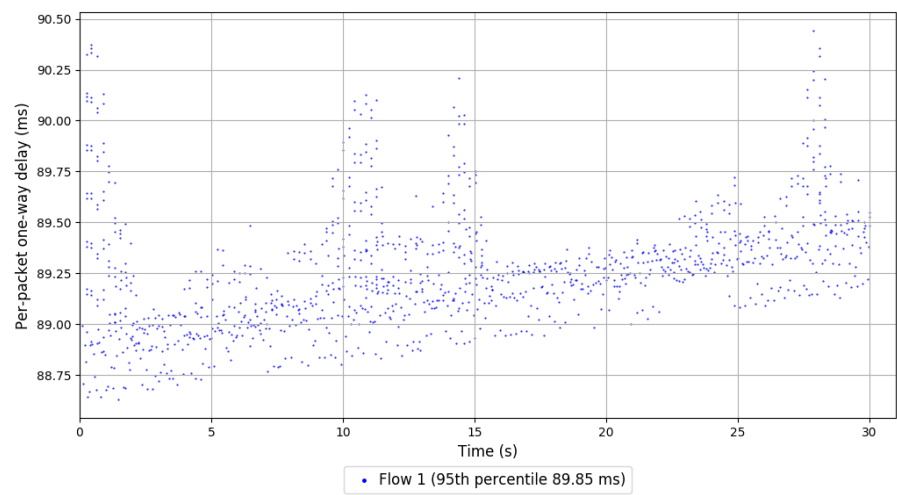
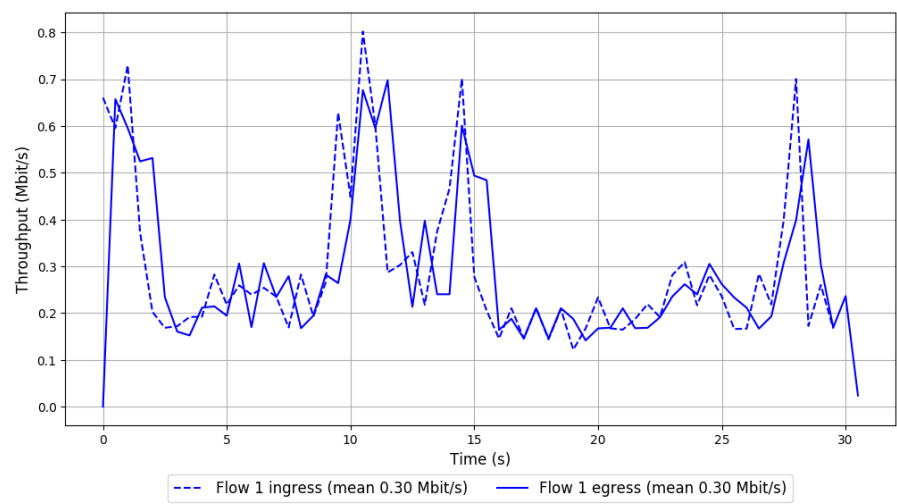


Run 4: Statistics of Sprout

Start at: 2018-07-17 10:03:15
End at: 2018-07-17 10:03:45
Local clock offset: -10.231 ms
Remote clock offset: 5.7 ms

Below is generated by plot.py at 2018-07-17 12:27:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 89.847 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 89.847 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

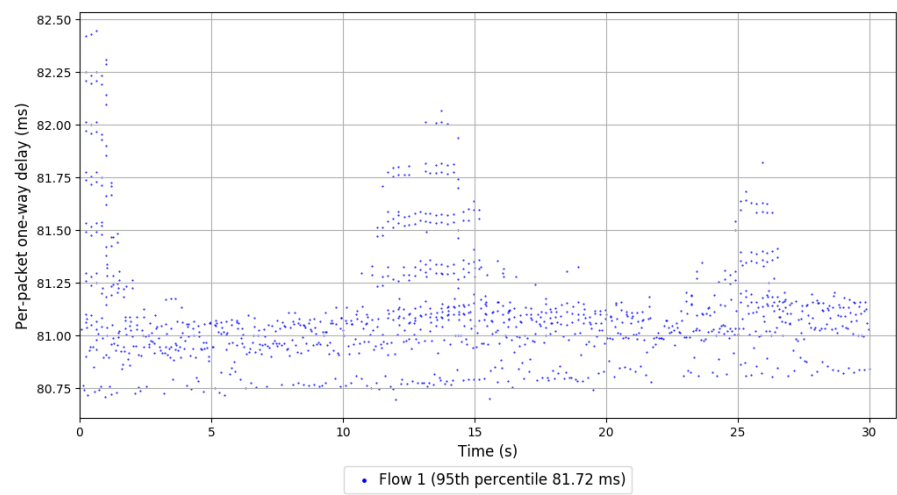
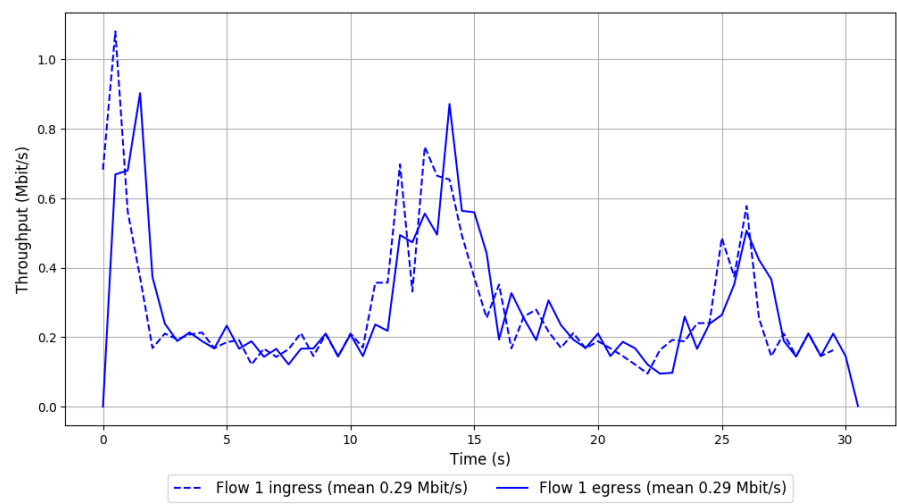


Run 5: Statistics of Sprout

Start at: 2018-07-17 10:23:04
End at: 2018-07-17 10:23:34
Local clock offset: -9.582 ms
Remote clock offset: -7.822 ms

Below is generated by plot.py at 2018-07-17 12:27:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 81.725 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 81.725 ms
Loss rate: 0.11%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-07-17 10:42:53

End at: 2018-07-17 10:43:23

Local clock offset: -8.911 ms

Remote clock offset: 4.093 ms

Below is generated by plot.py at 2018-07-17 12:27:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 90.757 ms

Loss rate: 0.00%

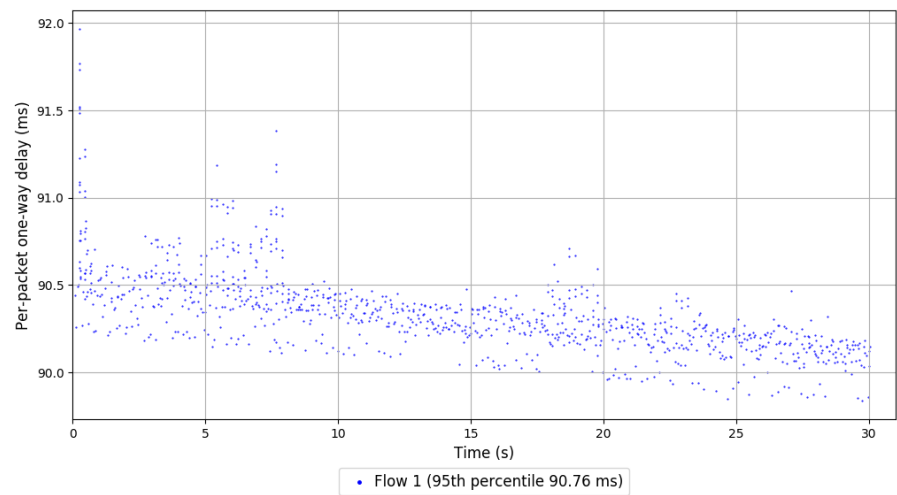
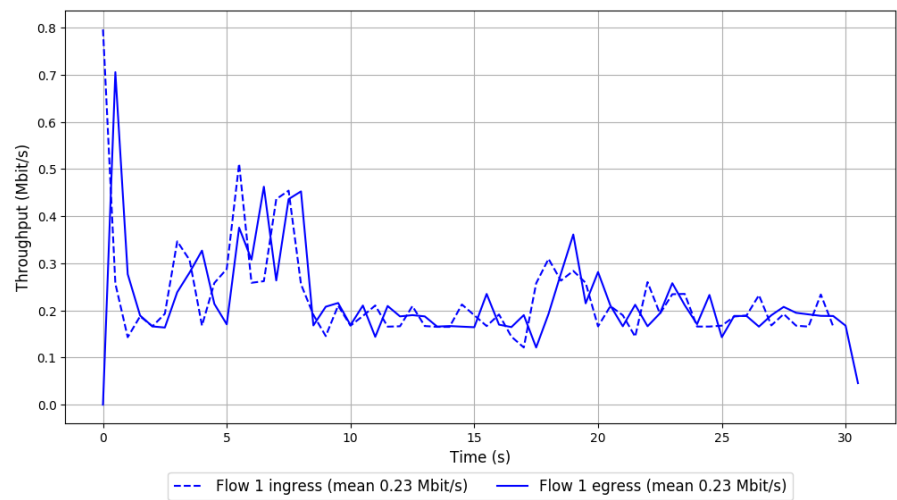
-- Flow 1:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 90.757 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

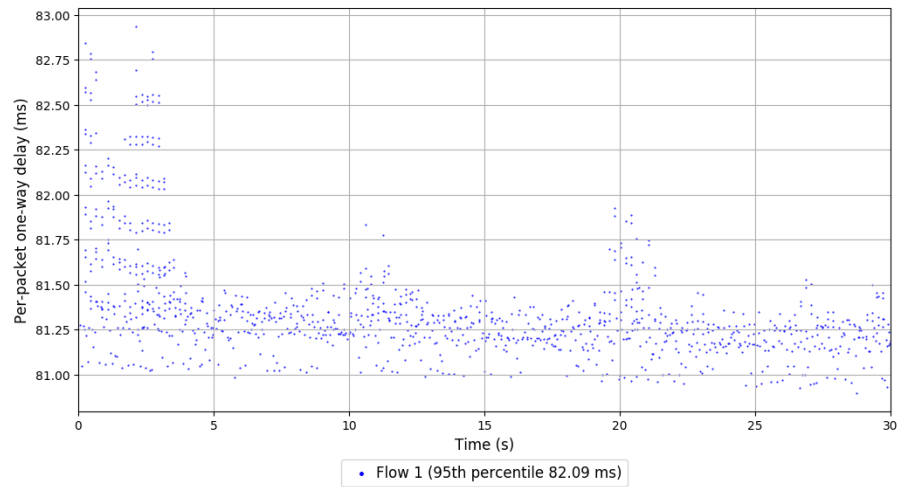
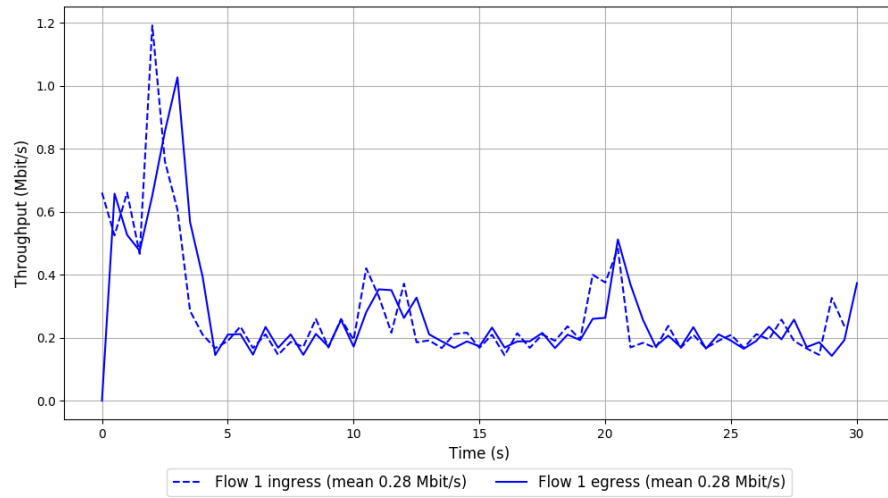


Run 7: Statistics of Sprout

Start at: 2018-07-17 11:02:42
End at: 2018-07-17 11:03:12
Local clock offset: -8.825 ms
Remote clock offset: 7.239 ms

Below is generated by plot.py at 2018-07-17 12:27:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 82.090 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 82.090 ms
Loss rate: 0.01%

Run 7: Report of Sprout — Data Link

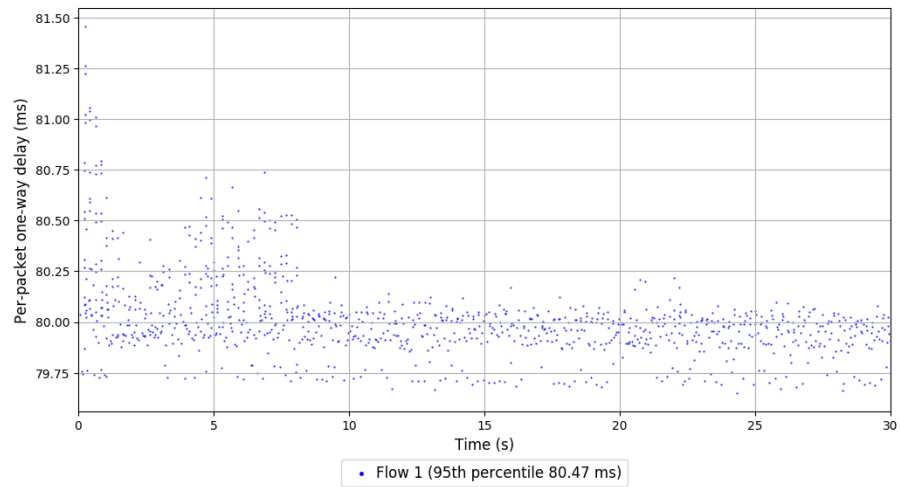
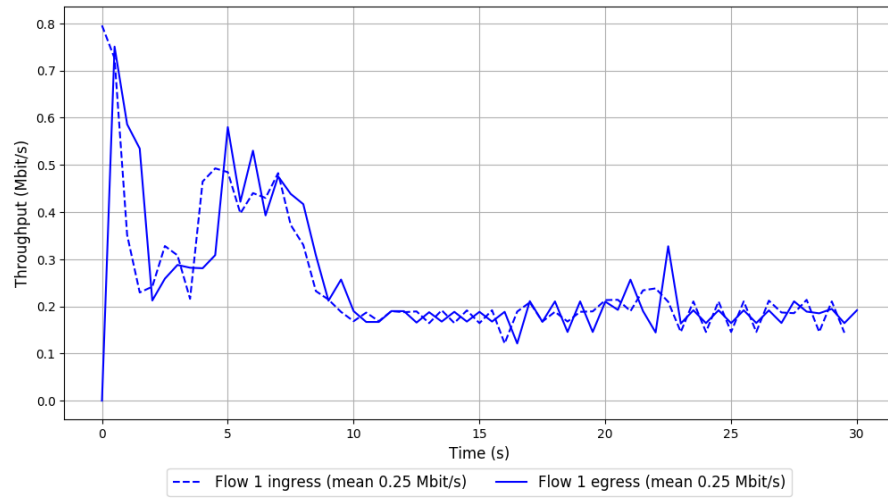


Run 8: Statistics of Sprout

Start at: 2018-07-17 11:22:31
End at: 2018-07-17 11:23:01
Local clock offset: -8.709 ms
Remote clock offset: 10.459 ms

Below is generated by plot.py at 2018-07-17 12:27:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 80.466 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 80.466 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

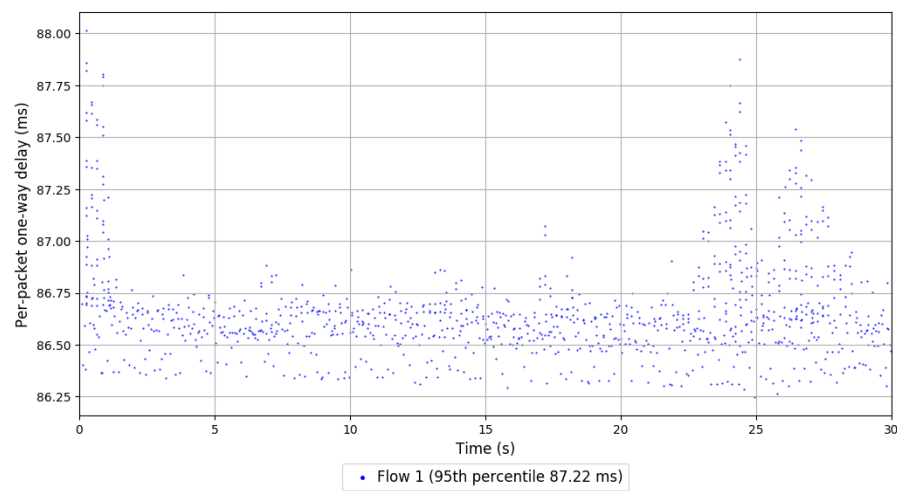
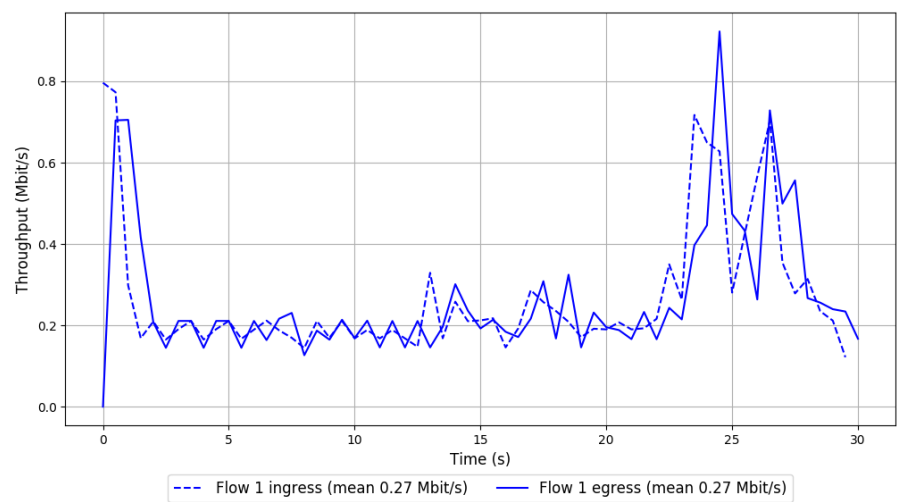


Run 9: Statistics of Sprout

Start at: 2018-07-17 11:42:21
End at: 2018-07-17 11:42:51
Local clock offset: -9.827 ms
Remote clock offset: 17.929 ms

Below is generated by plot.py at 2018-07-17 12:27:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 87.223 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 87.223 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

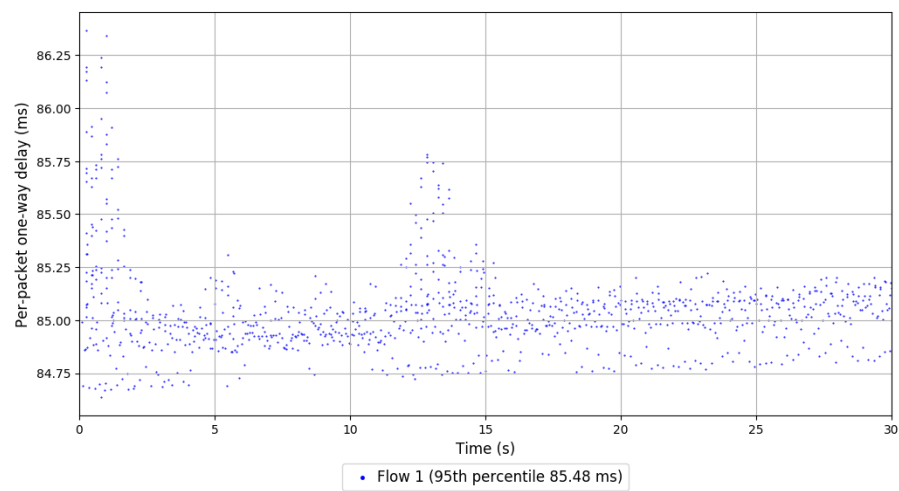
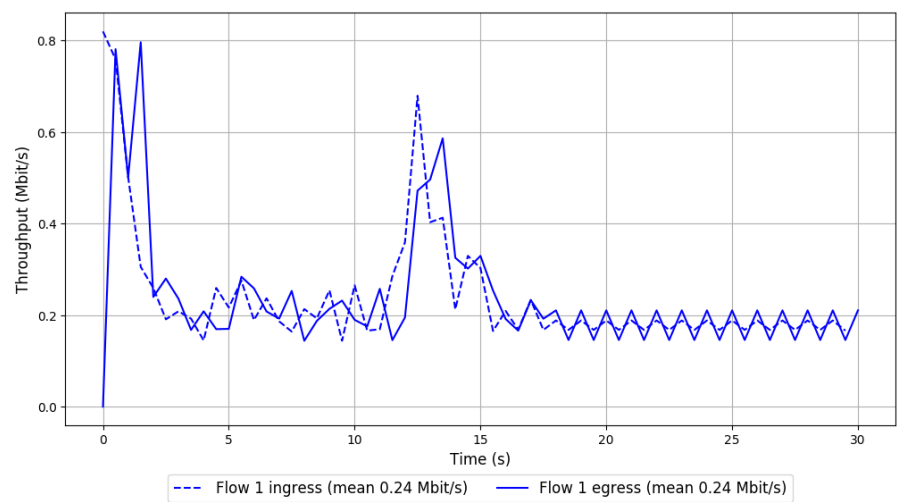


Run 10: Statistics of Sprout

Start at: 2018-07-17 12:02:10
End at: 2018-07-17 12:02:40
Local clock offset: -6.811 ms
Remote clock offset: 15.851 ms

Below is generated by plot.py at 2018-07-17 12:27:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 85.481 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 85.481 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

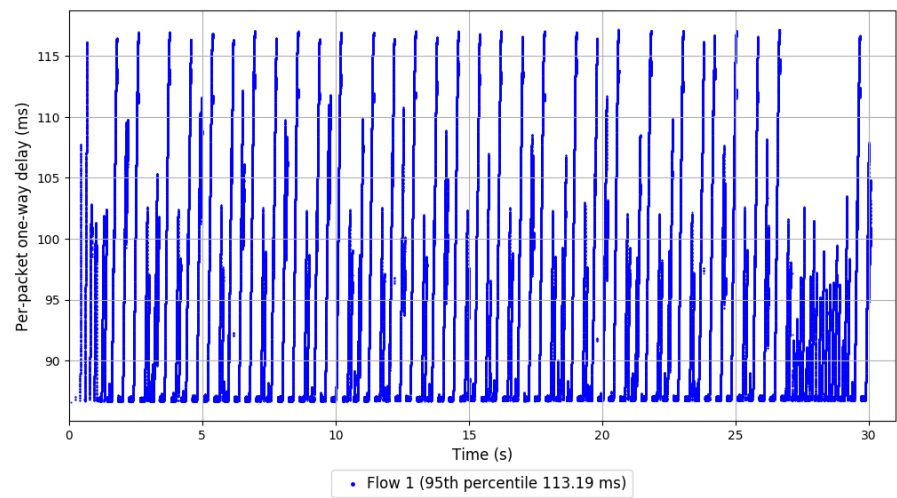
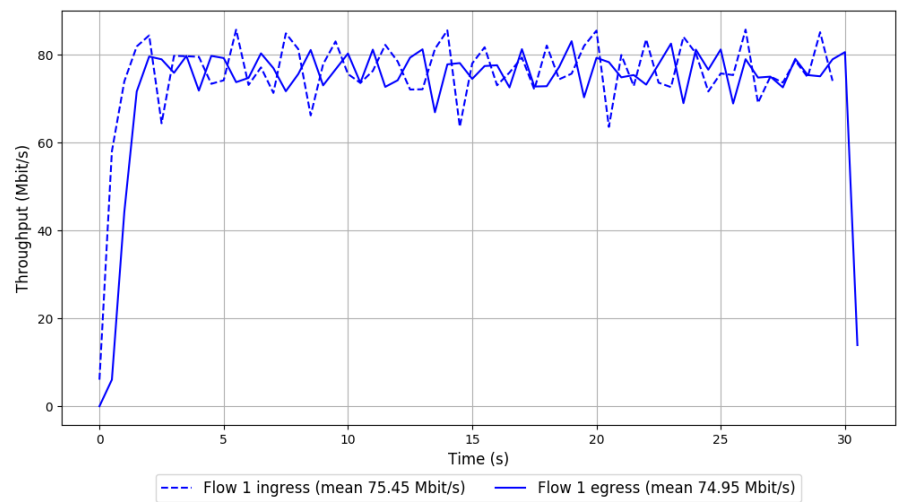


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-17 09:09:26
End at: 2018-07-17 09:09:56
Local clock offset: -8.409 ms
Remote clock offset: 2.16 ms

# Below is generated by plot.py at 2018-07-17 12:27:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.95 Mbit/s
95th percentile per-packet one-way delay: 113.185 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 74.95 Mbit/s
95th percentile per-packet one-way delay: 113.185 ms
Loss rate: 0.61%
```

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

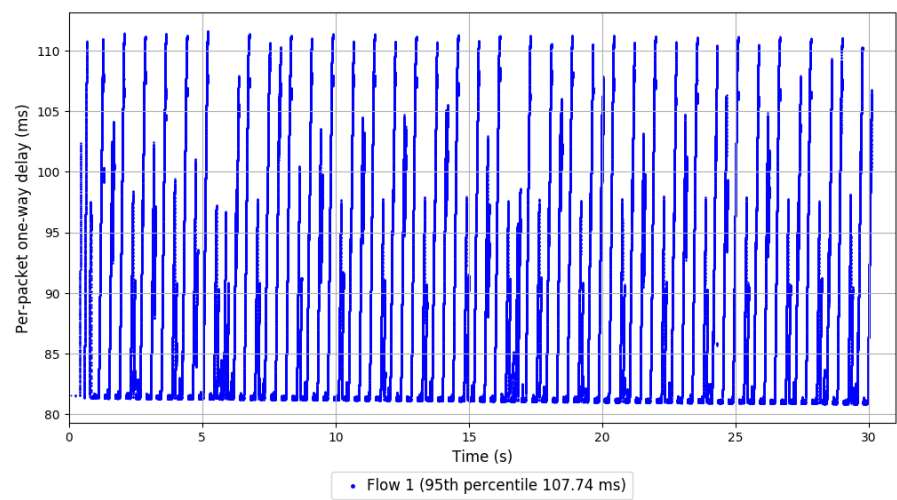
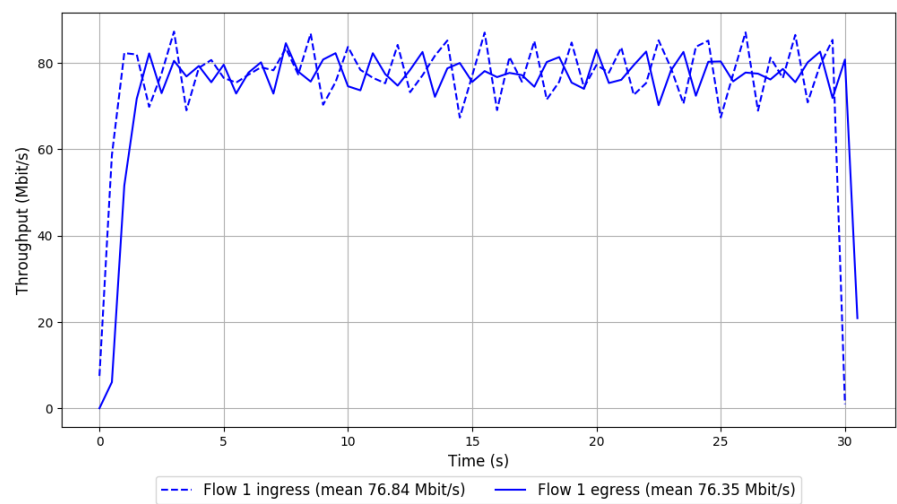


Run 2: Statistics of TaoVA-100x

Start at: 2018-07-17 09:29:16
End at: 2018-07-17 09:29:46
Local clock offset: -8.979 ms
Remote clock offset: -3.175 ms

Below is generated by plot.py at 2018-07-17 12:27:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.35 Mbit/s
95th percentile per-packet one-way delay: 107.738 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 76.35 Mbit/s
95th percentile per-packet one-way delay: 107.738 ms
Loss rate: 0.58%

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

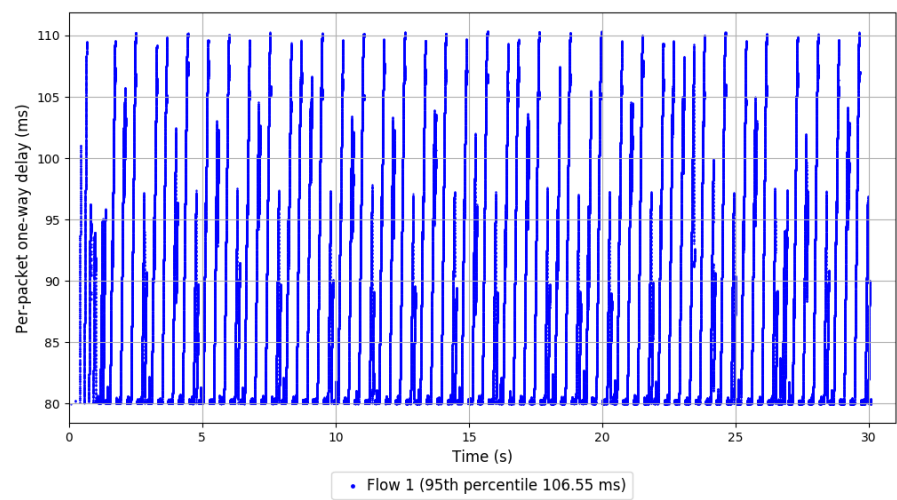
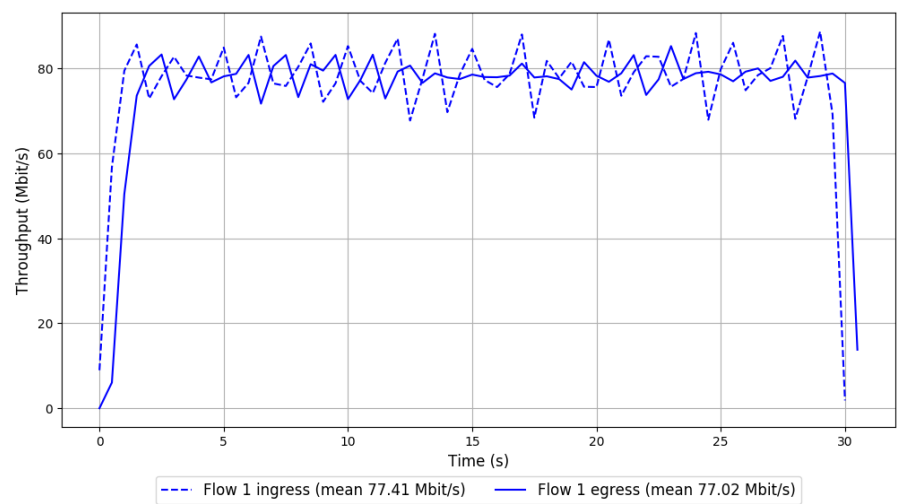


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-17 09:49:07
End at: 2018-07-17 09:49:37
Local clock offset: -10.891 ms
Remote clock offset: 3.537 ms

Below is generated by plot.py at 2018-07-17 12:28:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.02 Mbit/s
95th percentile per-packet one-way delay: 106.551 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 77.02 Mbit/s
95th percentile per-packet one-way delay: 106.551 ms
Loss rate: 0.51%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-17 10:08:55

End at: 2018-07-17 10:09:25

Local clock offset: -9.915 ms

Remote clock offset: 2.089 ms

Below is generated by plot.py at 2018-07-17 12:28:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.14 Mbit/s

95th percentile per-packet one-way delay: 112.659 ms

Loss rate: 0.67%

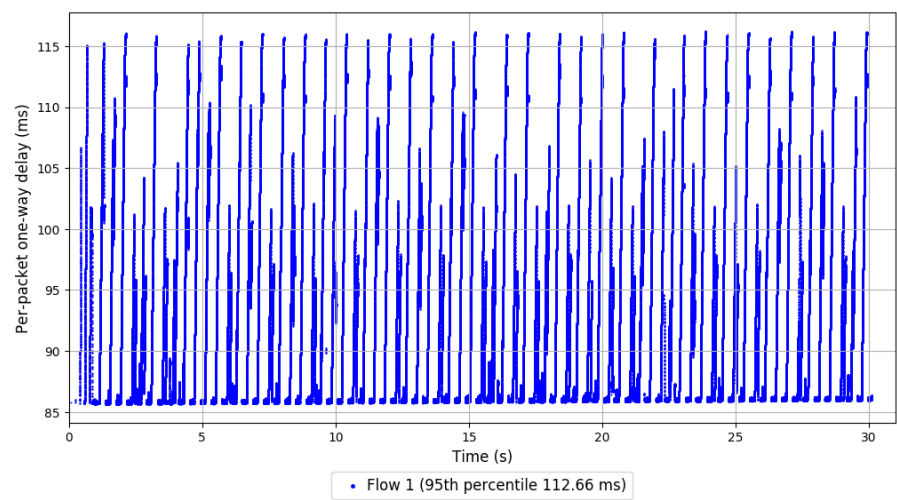
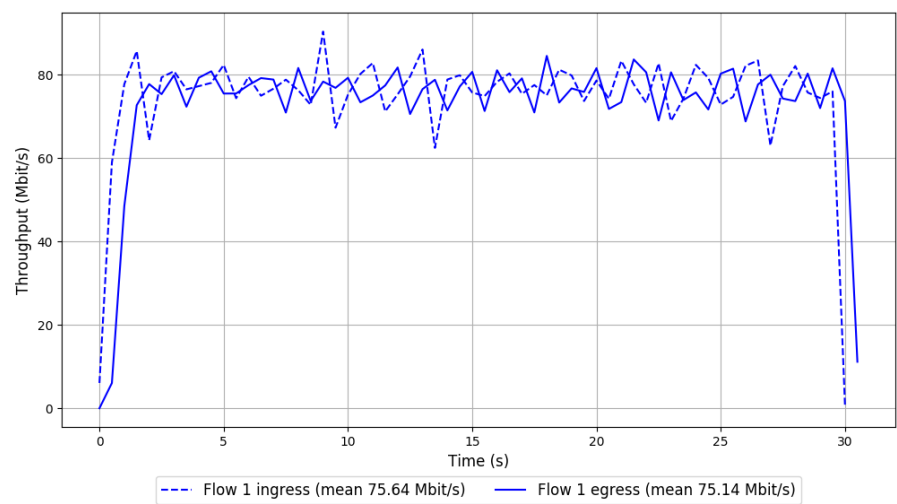
-- Flow 1:

Average throughput: 75.14 Mbit/s

95th percentile per-packet one-way delay: 112.659 ms

Loss rate: 0.67%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-17 10:28:43

End at: 2018-07-17 10:29:14

Local clock offset: -9.367 ms

Remote clock offset: -7.752 ms

Below is generated by plot.py at 2018-07-17 12:28:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.38 Mbit/s

95th percentile per-packet one-way delay: 107.810 ms

Loss rate: 0.60%

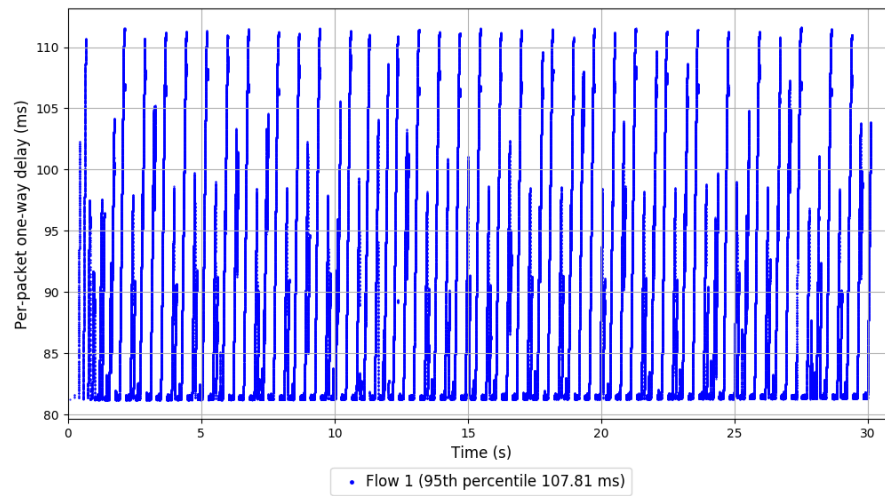
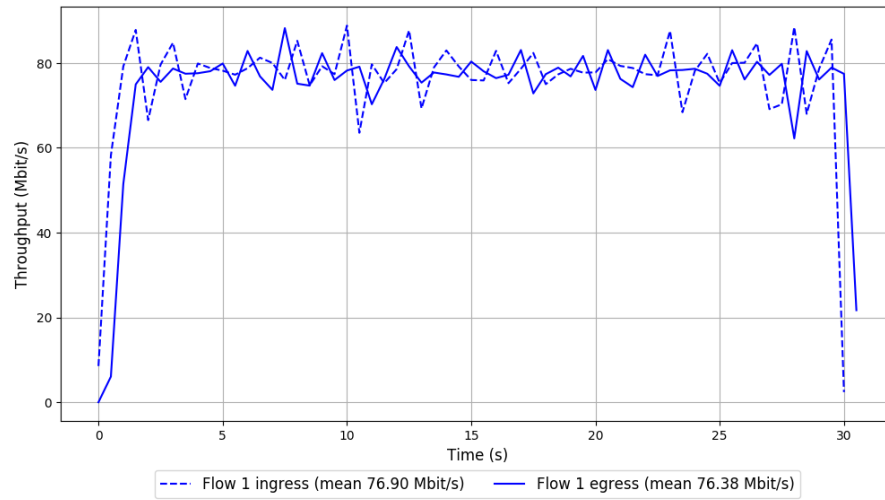
-- Flow 1:

Average throughput: 76.38 Mbit/s

95th percentile per-packet one-way delay: 107.810 ms

Loss rate: 0.60%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-17 10:48:30

End at: 2018-07-17 10:49:00

Local clock offset: -8.813 ms

Remote clock offset: 7.024 ms

Below is generated by plot.py at 2018-07-17 12:28:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.08 Mbit/s

95th percentile per-packet one-way delay: 112.133 ms

Loss rate: 0.63%

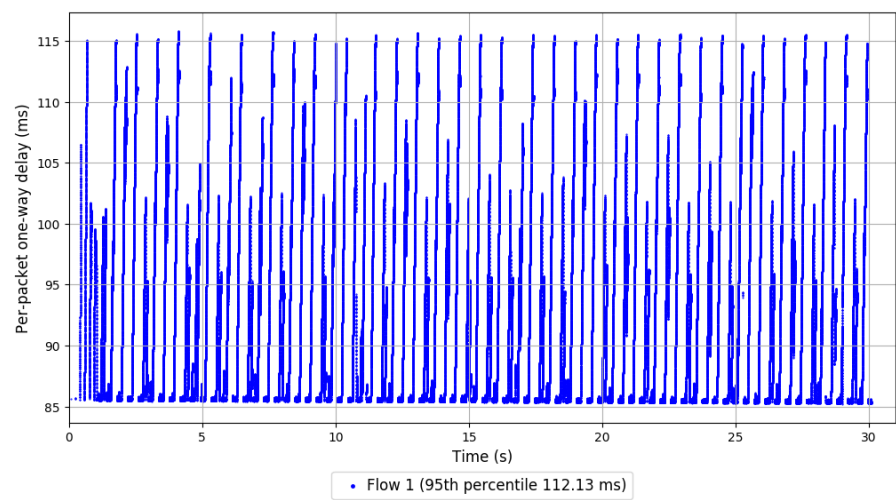
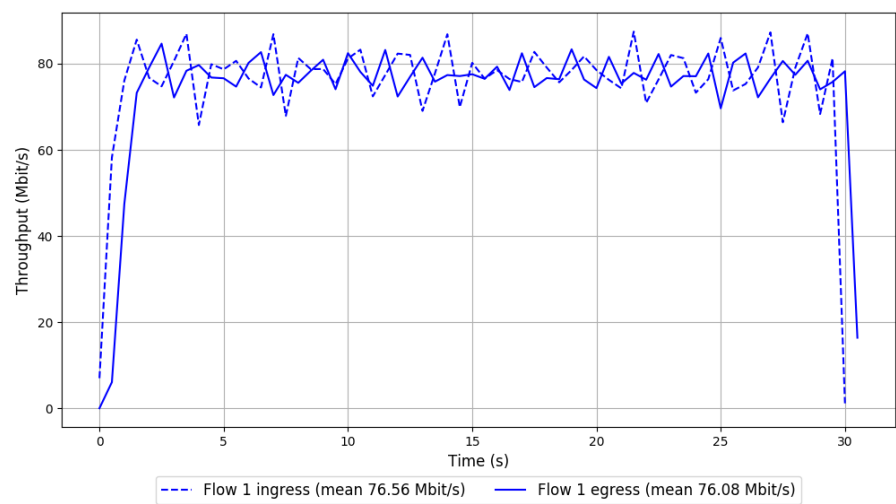
-- Flow 1:

Average throughput: 76.08 Mbit/s

95th percentile per-packet one-way delay: 112.133 ms

Loss rate: 0.63%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-17 11:08:21

End at: 2018-07-17 11:08:51

Local clock offset: -8.77 ms

Remote clock offset: 14.38 ms

Below is generated by plot.py at 2018-07-17 12:28:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.57 Mbit/s

95th percentile per-packet one-way delay: 118.022 ms

Loss rate: 0.76%

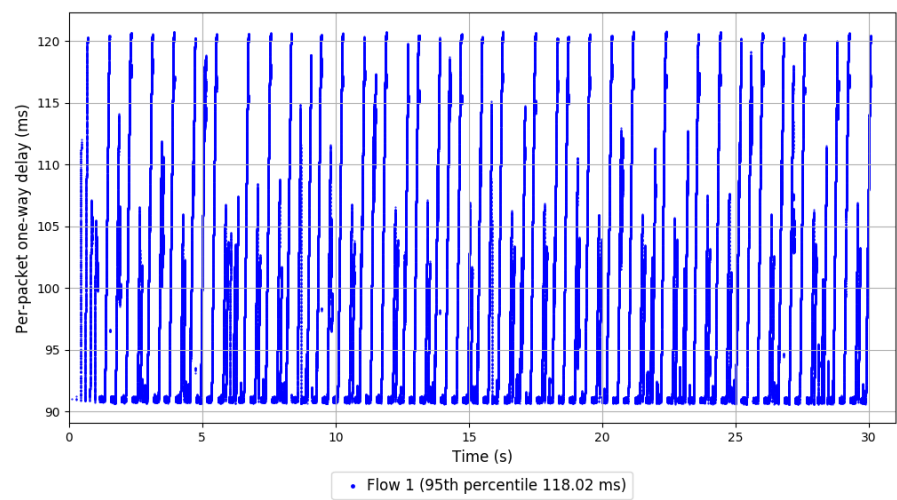
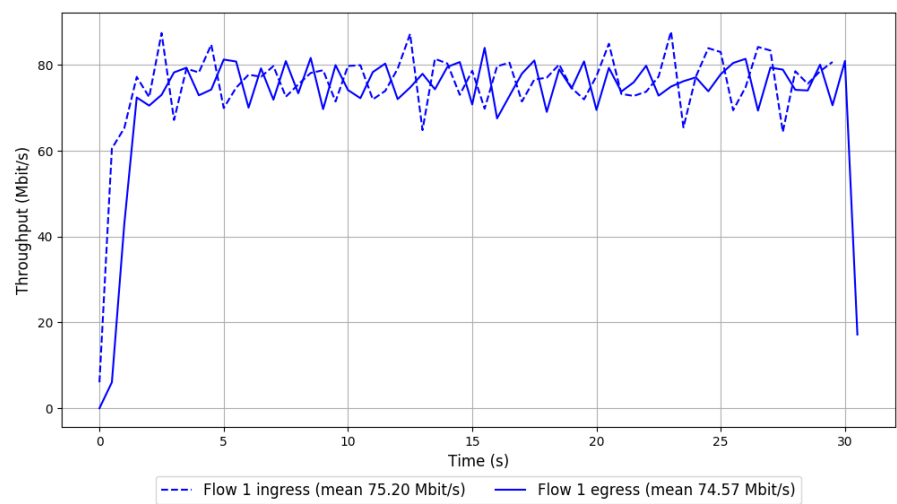
-- Flow 1:

Average throughput: 74.57 Mbit/s

95th percentile per-packet one-way delay: 118.022 ms

Loss rate: 0.76%

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

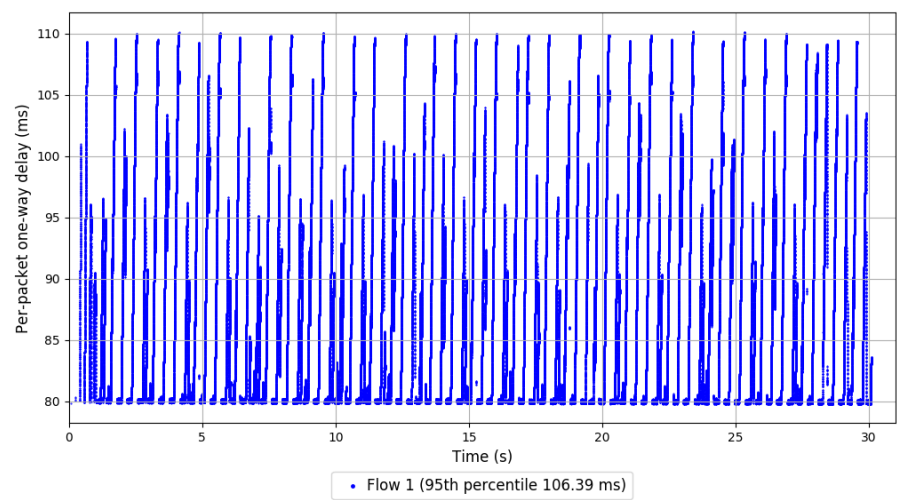
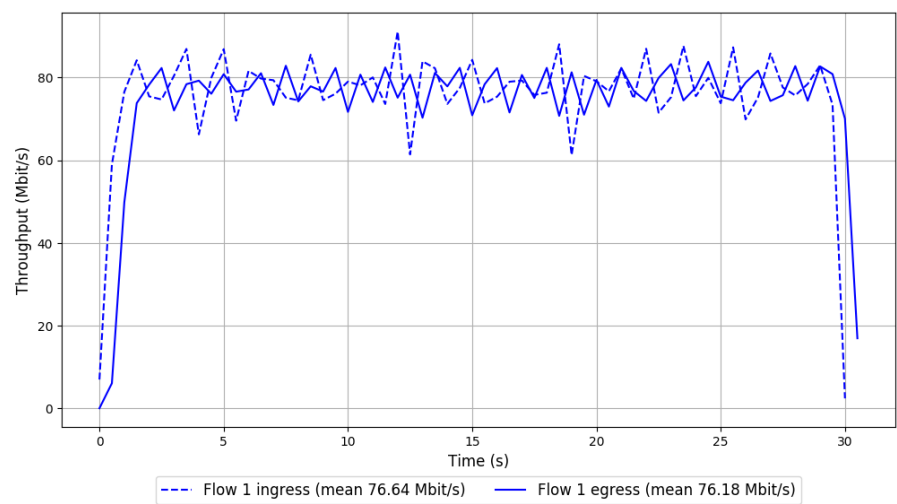


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-17 11:28:10
End at: 2018-07-17 11:28:40
Local clock offset: -9.073 ms
Remote clock offset: 11.065 ms

Below is generated by plot.py at 2018-07-17 12:28:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.18 Mbit/s
95th percentile per-packet one-way delay: 106.395 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 76.18 Mbit/s
95th percentile per-packet one-way delay: 106.395 ms
Loss rate: 0.59%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-17 11:47:58

End at: 2018-07-17 11:48:28

Local clock offset: -9.93 ms

Remote clock offset: 16.502 ms

Below is generated by plot.py at 2018-07-17 12:29:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.02 Mbit/s

95th percentile per-packet one-way delay: 111.008 ms

Loss rate: 0.71%

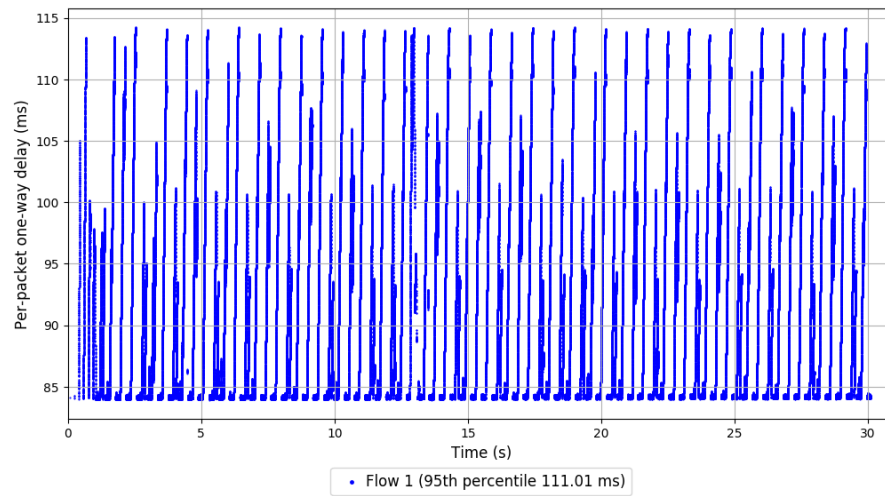
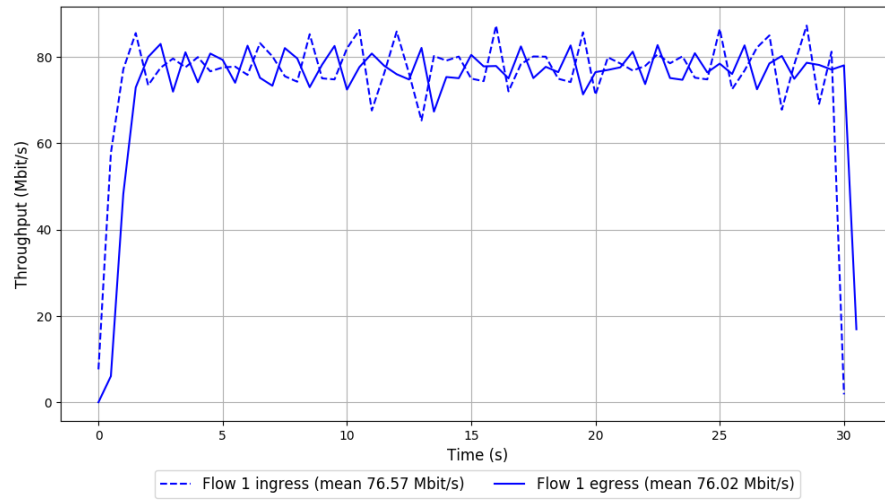
-- Flow 1:

Average throughput: 76.02 Mbit/s

95th percentile per-packet one-way delay: 111.008 ms

Loss rate: 0.71%

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

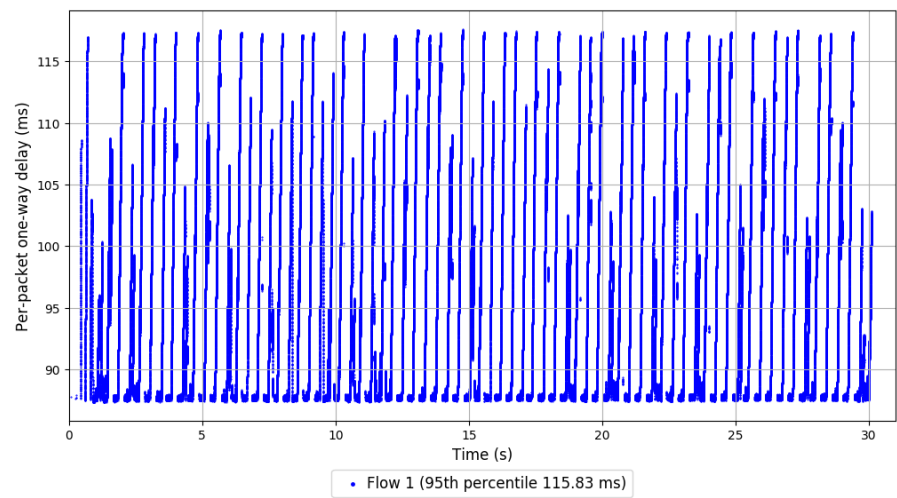
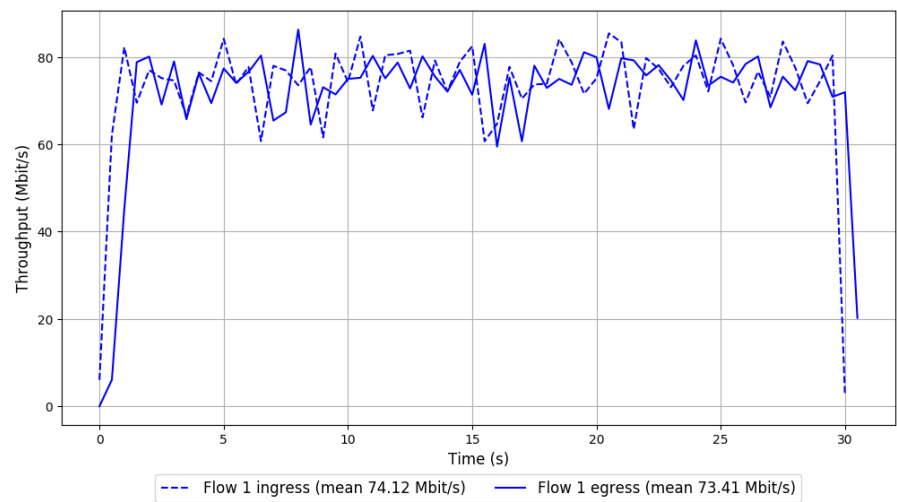


Run 10: Statistics of TaoVA-100x

Start at: 2018-07-17 12:07:50
End at: 2018-07-17 12:08:20
Local clock offset: -5.185 ms
Remote clock offset: 12.307 ms

Below is generated by plot.py at 2018-07-17 12:29:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.41 Mbit/s
95th percentile per-packet one-way delay: 115.830 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 73.41 Mbit/s
95th percentile per-packet one-way delay: 115.830 ms
Loss rate: 0.93%

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

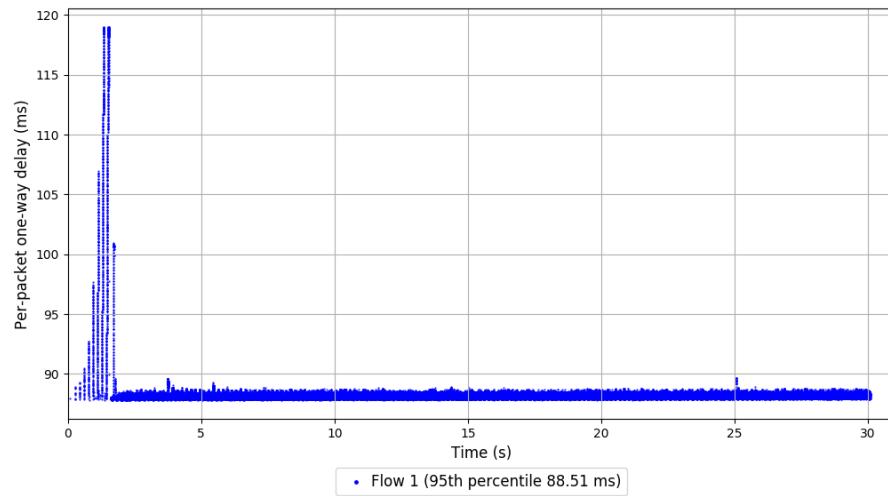
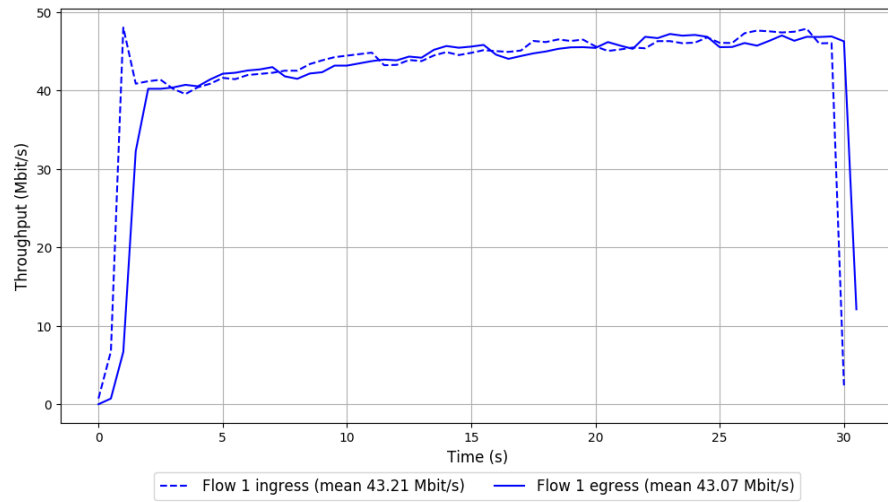


Run 1: Statistics of TCP Vegas

Start at: 2018-07-17 09:10:39
End at: 2018-07-17 09:11:09
Local clock offset: -8.44 ms
Remote clock offset: -1.832 ms

Below is generated by plot.py at 2018-07-17 12:29:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 43.07 Mbit/s
95th percentile per-packet one-way delay: 88.511 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 43.07 Mbit/s
95th percentile per-packet one-way delay: 88.511 ms
Loss rate: 0.34%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-07-17 09:30:30

End at: 2018-07-17 09:31:00

Local clock offset: -9.28 ms

Remote clock offset: 2.998 ms

Below is generated by plot.py at 2018-07-17 12:29:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.13 Mbit/s

95th percentile per-packet one-way delay: 96.244 ms

Loss rate: 1.21%

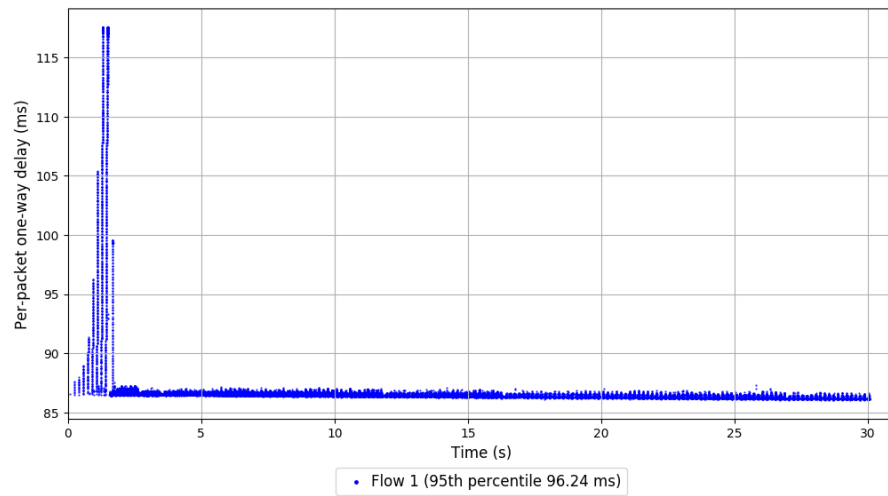
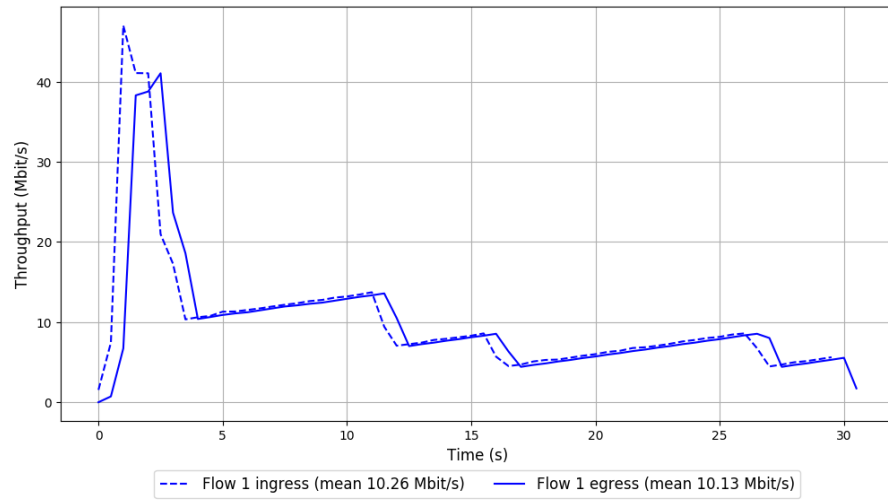
-- Flow 1:

Average throughput: 10.13 Mbit/s

95th percentile per-packet one-way delay: 96.244 ms

Loss rate: 1.21%

Run 2: Report of TCP Vegas — Data Link

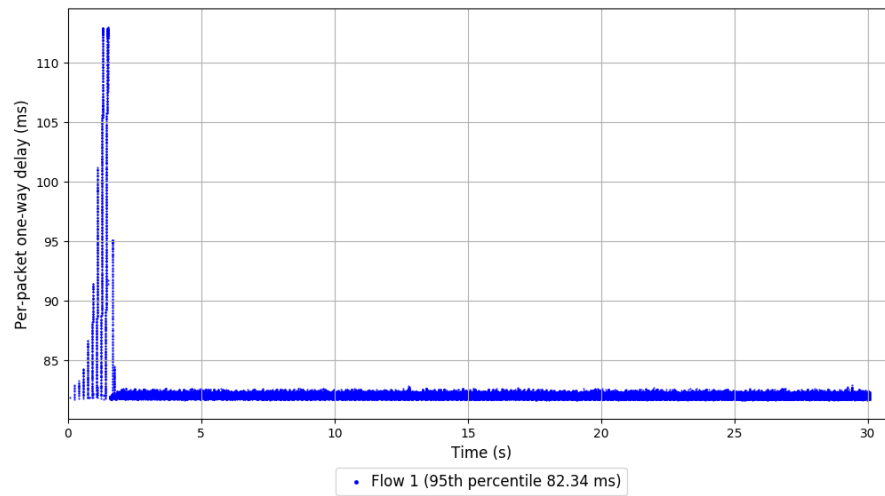
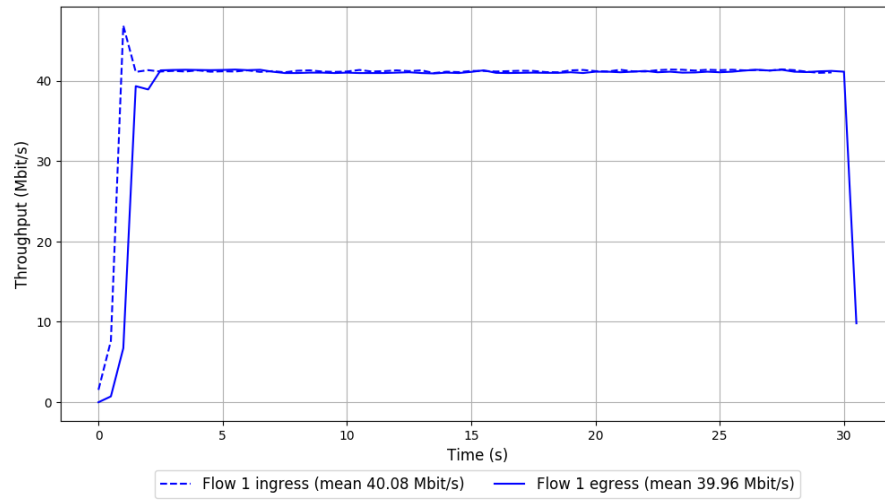


Run 3: Statistics of TCP Vegas

Start at: 2018-07-17 09:50:21
End at: 2018-07-17 09:50:51
Local clock offset: -10.943 ms
Remote clock offset: 3.659 ms

Below is generated by plot.py at 2018-07-17 12:29:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 39.96 Mbit/s
95th percentile per-packet one-way delay: 82.343 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 39.96 Mbit/s
95th percentile per-packet one-way delay: 82.343 ms
Loss rate: 0.31%

Run 3: Report of TCP Vegas — Data Link

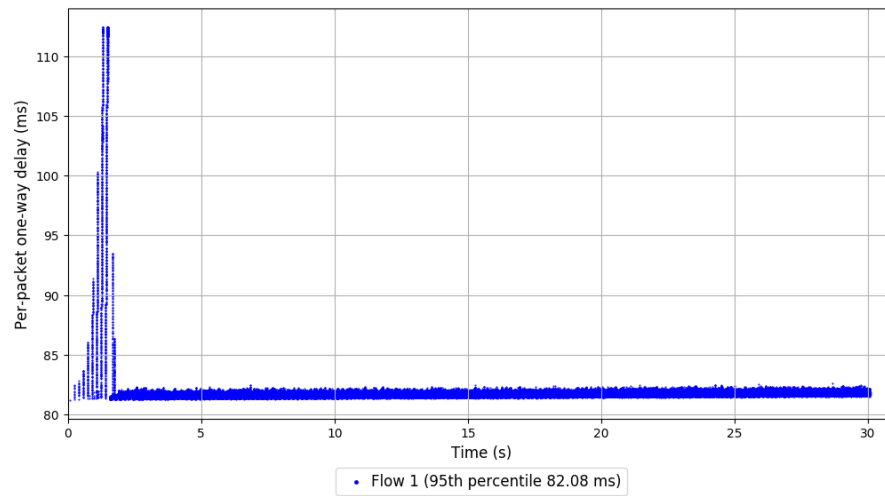
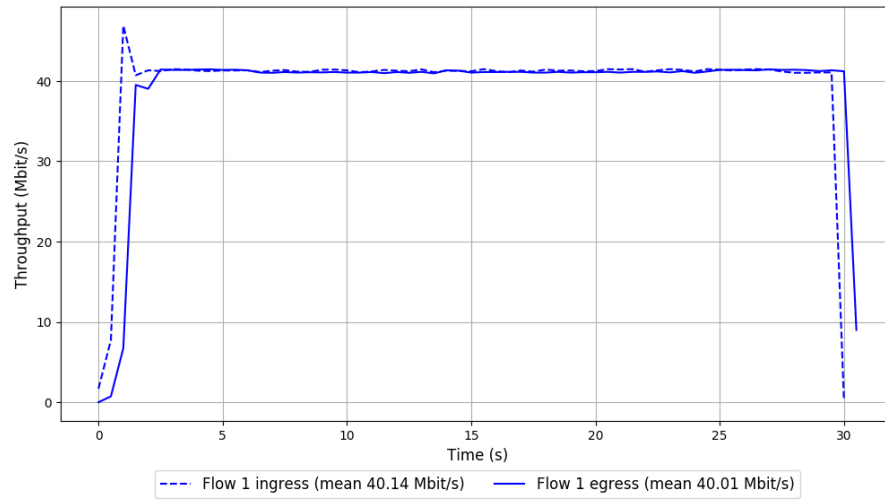


Run 4: Statistics of TCP Vegas

Start at: 2018-07-17 10:10:07
End at: 2018-07-17 10:10:38
Local clock offset: -9.879 ms
Remote clock offset: -3.466 ms

Below is generated by plot.py at 2018-07-17 12:29:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.01 Mbit/s
95th percentile per-packet one-way delay: 82.083 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 40.01 Mbit/s
95th percentile per-packet one-way delay: 82.083 ms
Loss rate: 0.32%

Run 4: Report of TCP Vegas — Data Link

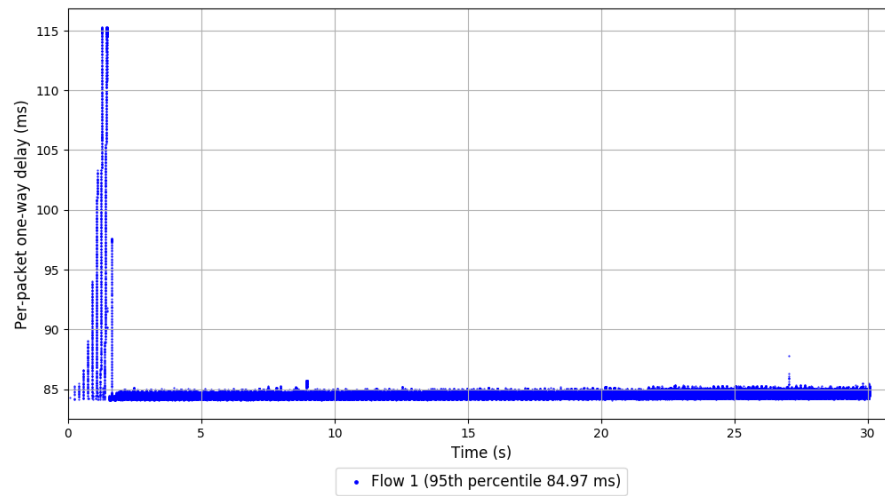
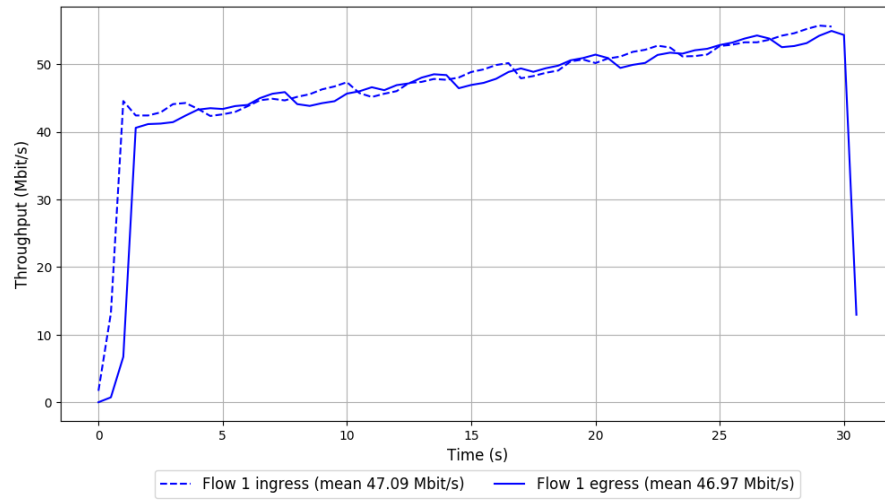


Run 5: Statistics of TCP Vegas

Start at: 2018-07-17 10:29:56
End at: 2018-07-17 10:30:26
Local clock offset: -9.324 ms
Remote clock offset: -4.088 ms

Below is generated by plot.py at 2018-07-17 12:29:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 46.97 Mbit/s
95th percentile per-packet one-way delay: 84.965 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 46.97 Mbit/s
95th percentile per-packet one-way delay: 84.965 ms
Loss rate: 0.26%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-07-17 10:49:42

End at: 2018-07-17 10:50:12

Local clock offset: -8.773 ms

Remote clock offset: 2.858 ms

Below is generated by plot.py at 2018-07-17 12:29:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 45.01 Mbit/s

95th percentile per-packet one-way delay: 85.571 ms

Loss rate: 0.27%

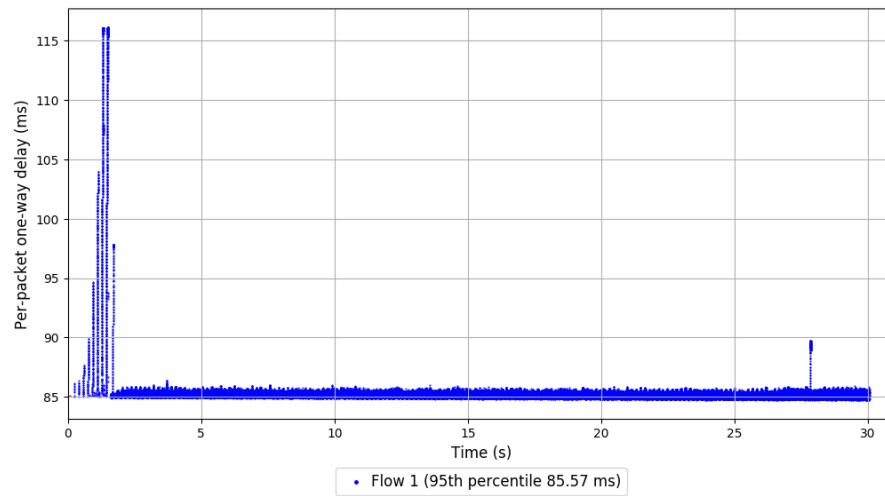
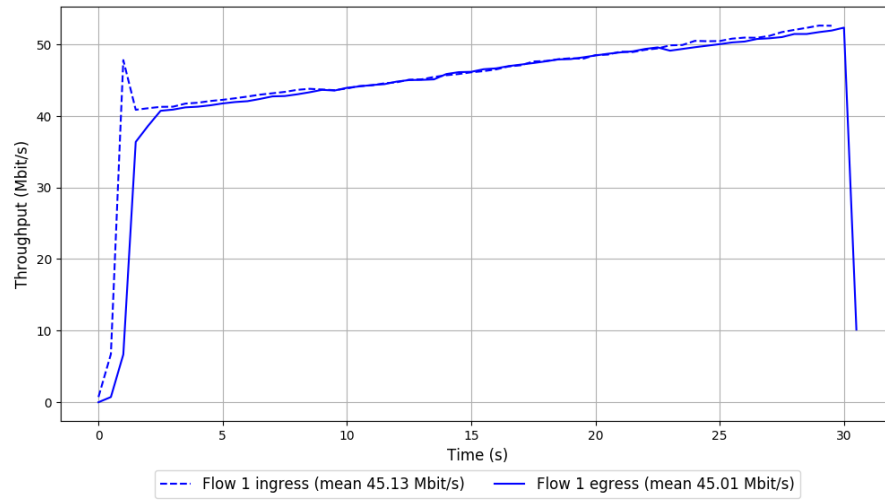
-- Flow 1:

Average throughput: 45.01 Mbit/s

95th percentile per-packet one-way delay: 85.571 ms

Loss rate: 0.27%

Run 6: Report of TCP Vegas — Data Link

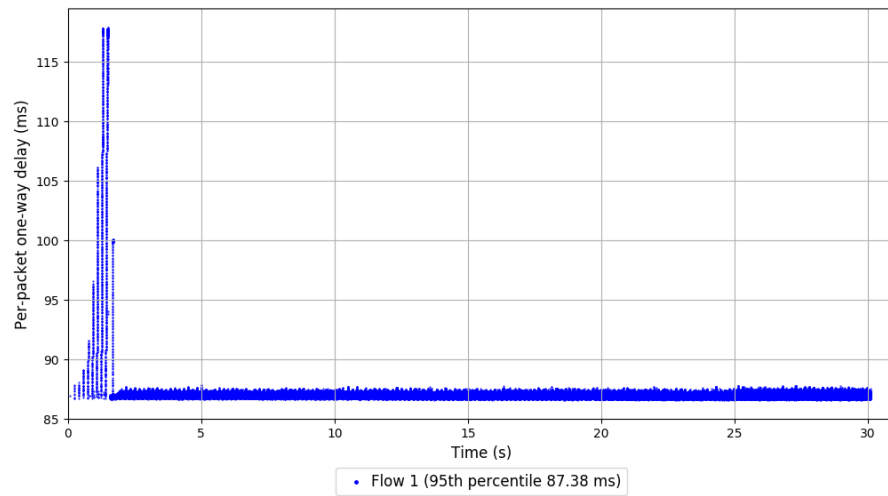
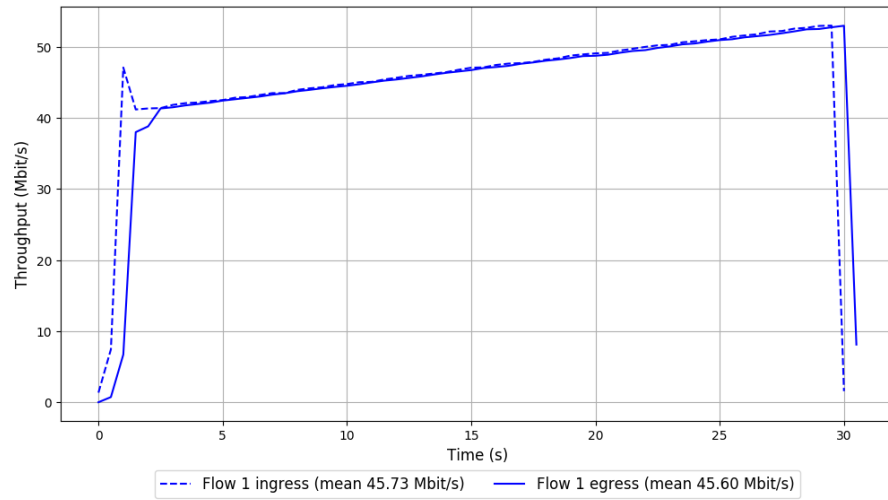


Run 7: Statistics of TCP Vegas

Start at: 2018-07-17 11:09:33
End at: 2018-07-17 11:10:03
Local clock offset: -8.769 ms
Remote clock offset: 14.662 ms

Below is generated by plot.py at 2018-07-17 12:29:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 45.60 Mbit/s
95th percentile per-packet one-way delay: 87.382 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 45.60 Mbit/s
95th percentile per-packet one-way delay: 87.382 ms
Loss rate: 0.28%

Run 7: Report of TCP Vegas — Data Link

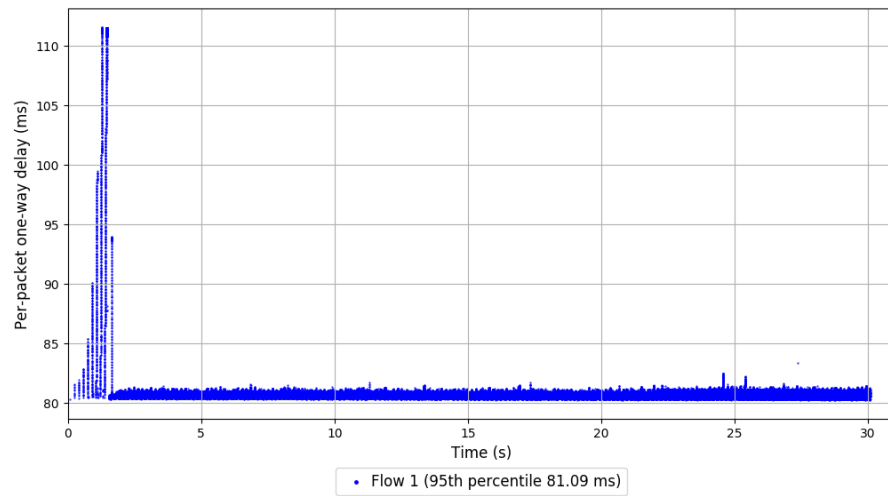
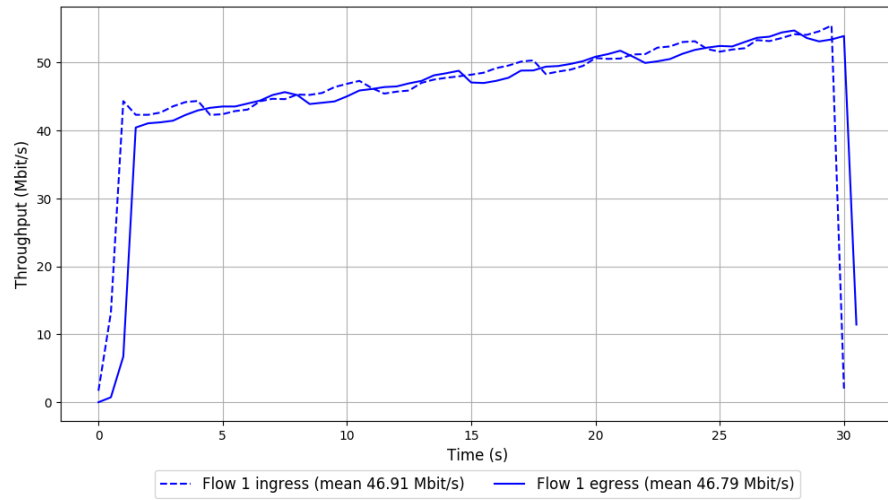


Run 8: Statistics of TCP Vegas

Start at: 2018-07-17 11:29:23
End at: 2018-07-17 11:29:53
Local clock offset: -9.152 ms
Remote clock offset: 11.412 ms

Below is generated by plot.py at 2018-07-17 12:29:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 46.79 Mbit/s
95th percentile per-packet one-way delay: 81.093 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 46.79 Mbit/s
95th percentile per-packet one-way delay: 81.093 ms
Loss rate: 0.27%

Run 8: Report of TCP Vegas — Data Link

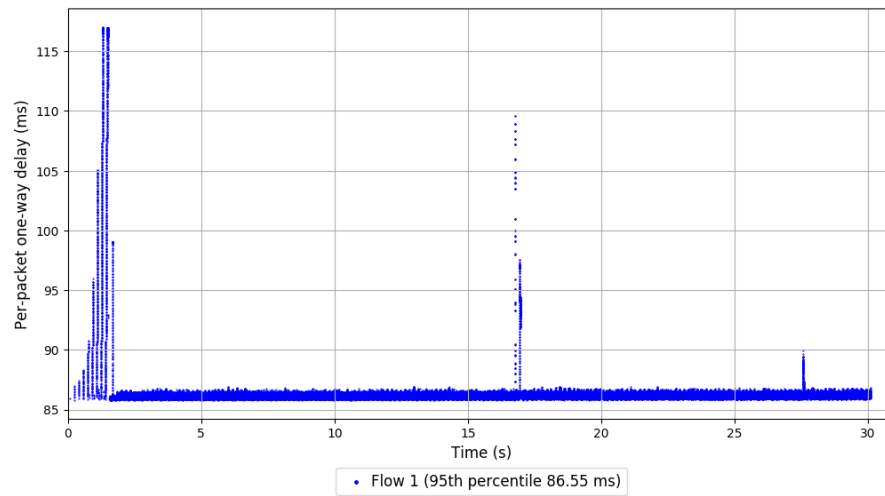
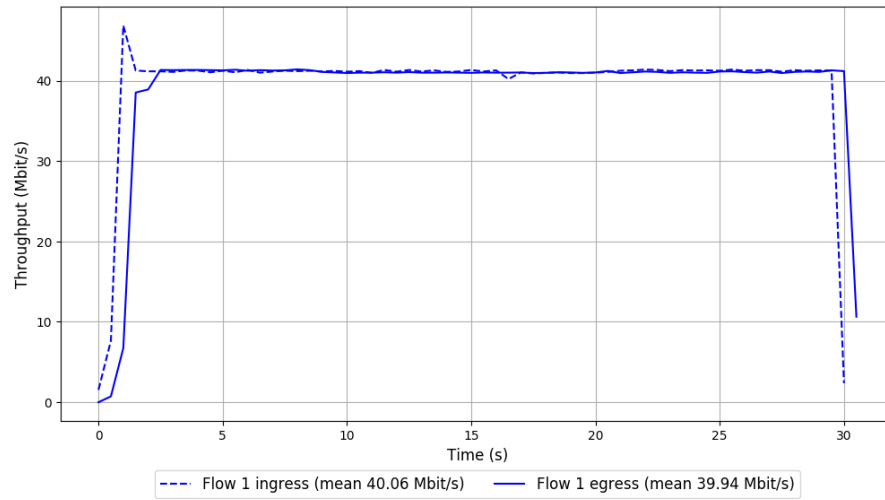


Run 9: Statistics of TCP Vegas

Start at: 2018-07-17 11:49:12
End at: 2018-07-17 11:49:42
Local clock offset: -9.958 ms
Remote clock offset: 16.193 ms

Below is generated by plot.py at 2018-07-17 12:29:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 39.94 Mbit/s
95th percentile per-packet one-way delay: 86.550 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 39.94 Mbit/s
95th percentile per-packet one-way delay: 86.550 ms
Loss rate: 0.31%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-17 12:09:02

End at: 2018-07-17 12:09:33

Local clock offset: -4.954 ms

Remote clock offset: 16.216 ms

Below is generated by plot.py at 2018-07-17 12:29:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.10 Mbit/s

95th percentile per-packet one-way delay: 87.849 ms

Loss rate: 0.82%

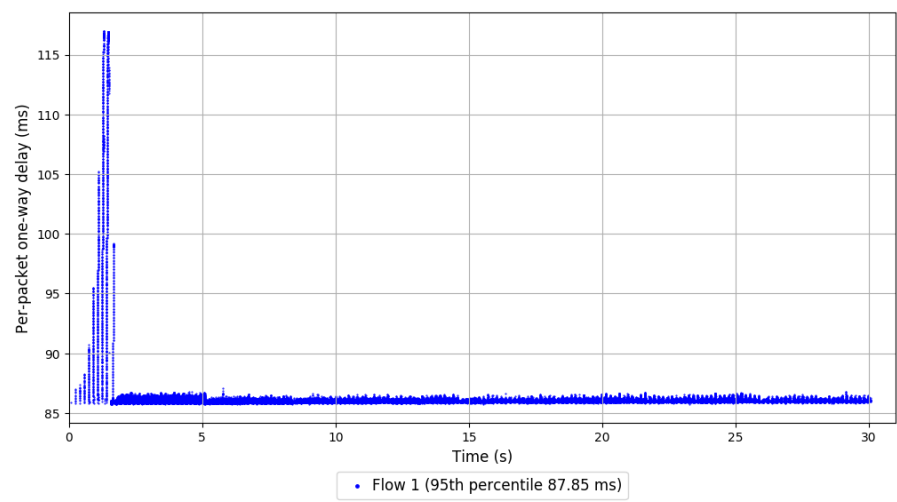
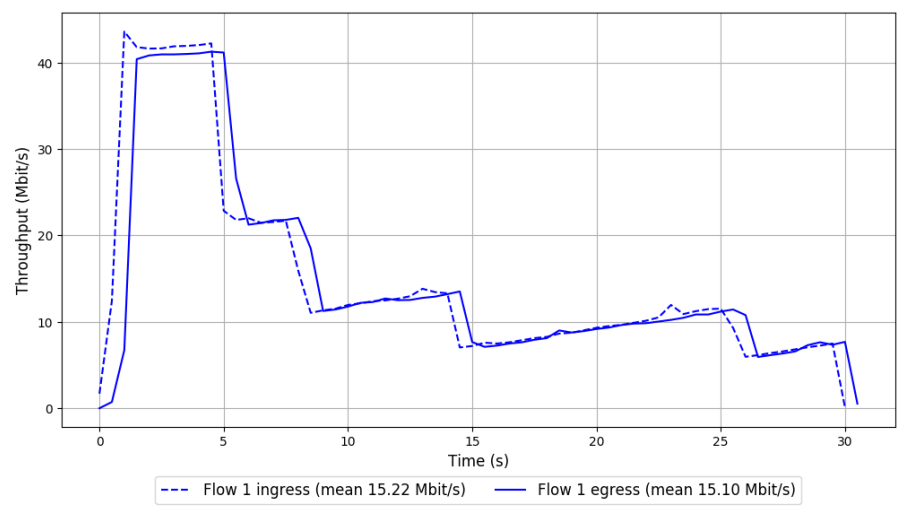
-- Flow 1:

Average throughput: 15.10 Mbit/s

95th percentile per-packet one-way delay: 87.849 ms

Loss rate: 0.82%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-07-17 08:56:42

End at: 2018-07-17 08:57:12

Local clock offset: -8.764 ms

Remote clock offset: 4.343 ms

Below is generated by plot.py at 2018-07-17 12:30:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 38.25 Mbit/s

95th percentile per-packet one-way delay: 180.109 ms

Loss rate: 80.39%

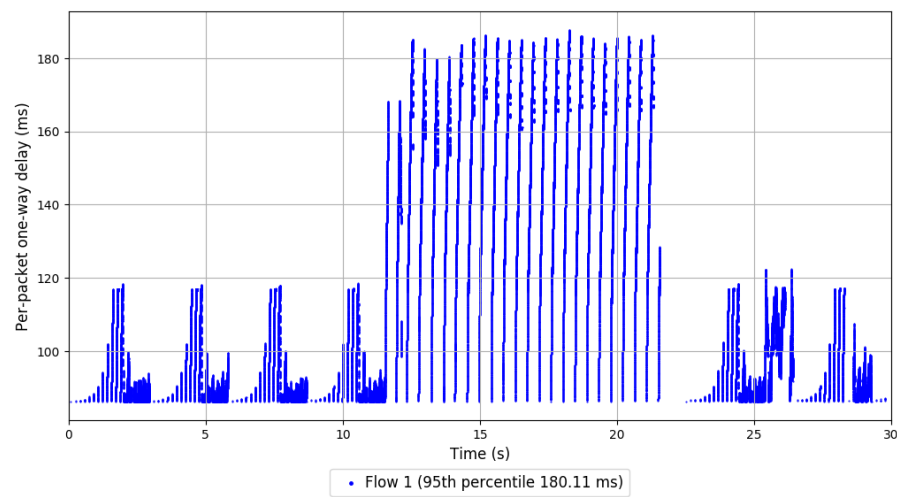
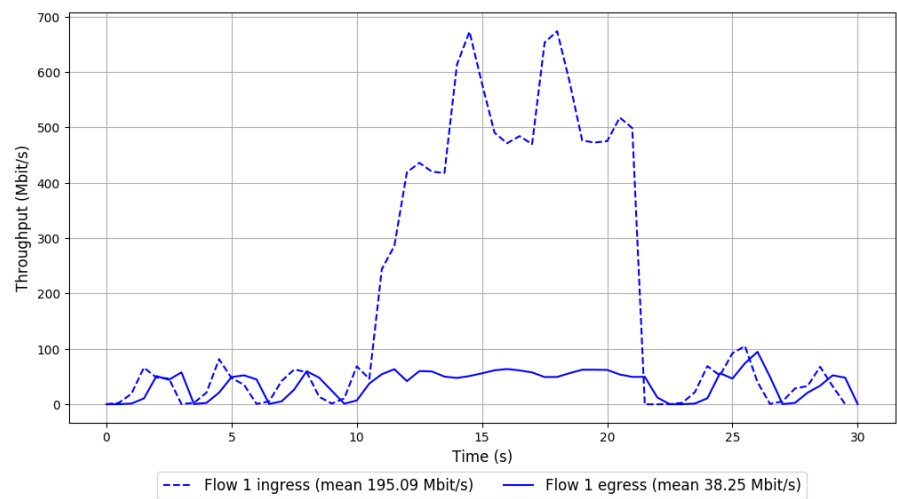
-- Flow 1:

Average throughput: 38.25 Mbit/s

95th percentile per-packet one-way delay: 180.109 ms

Loss rate: 80.39%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-07-17 09:16:34

End at: 2018-07-17 09:17:04

Local clock offset: -8.265 ms

Remote clock offset: 1.101 ms

Below is generated by plot.py at 2018-07-17 12:30:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 27.38 Mbit/s

95th percentile per-packet one-way delay: 114.623 ms

Loss rate: 9.74%

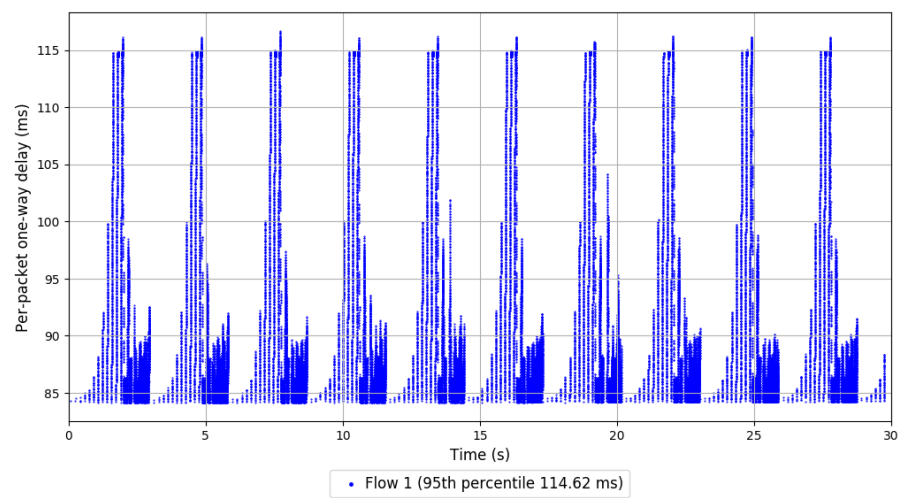
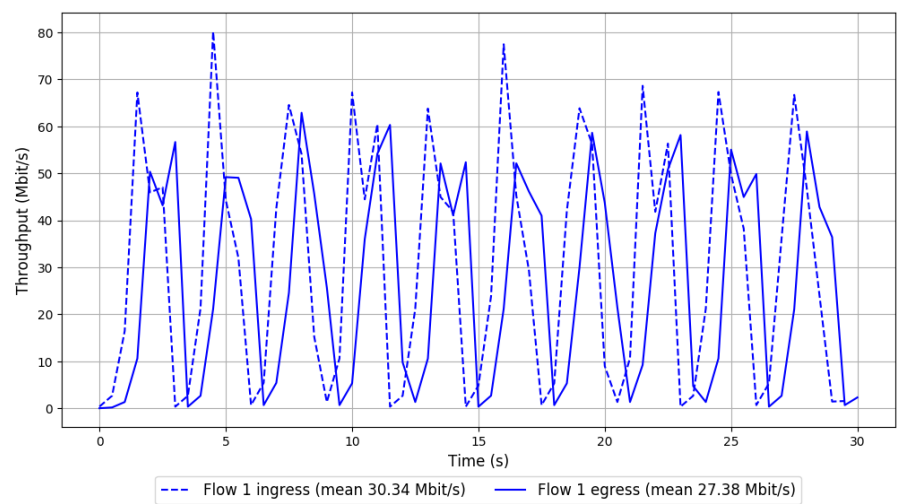
-- Flow 1:

Average throughput: 27.38 Mbit/s

95th percentile per-packet one-way delay: 114.623 ms

Loss rate: 9.74%

Run 2: Report of Verus — Data Link

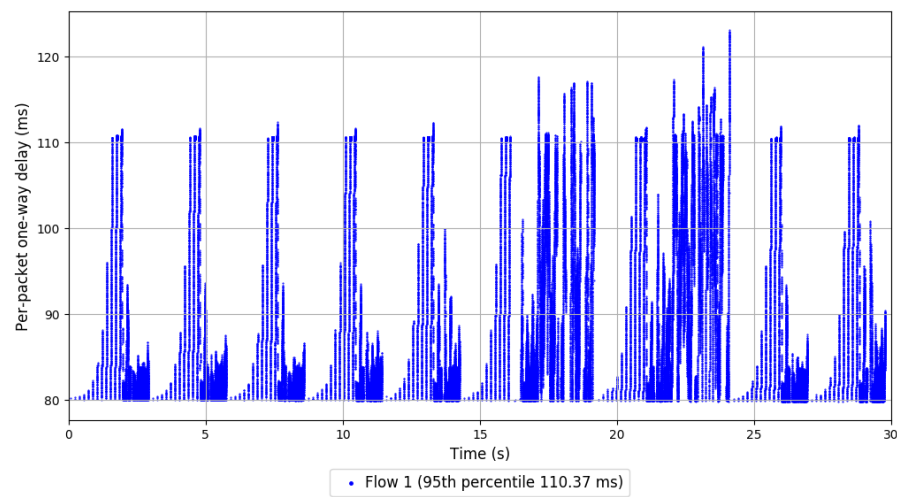
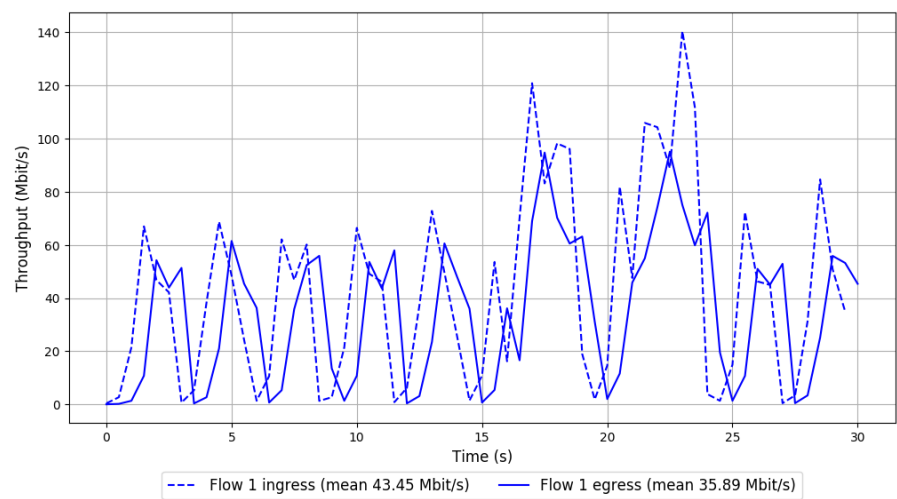


Run 3: Statistics of Verus

Start at: 2018-07-17 09:36:26
End at: 2018-07-17 09:36:56
Local clock offset: -10.123 ms
Remote clock offset: 1.154 ms

Below is generated by plot.py at 2018-07-17 12:30:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 35.89 Mbit/s
95th percentile per-packet one-way delay: 110.374 ms
Loss rate: 17.39%
-- Flow 1:
Average throughput: 35.89 Mbit/s
95th percentile per-packet one-way delay: 110.374 ms
Loss rate: 17.39%

Run 3: Report of Verus — Data Link

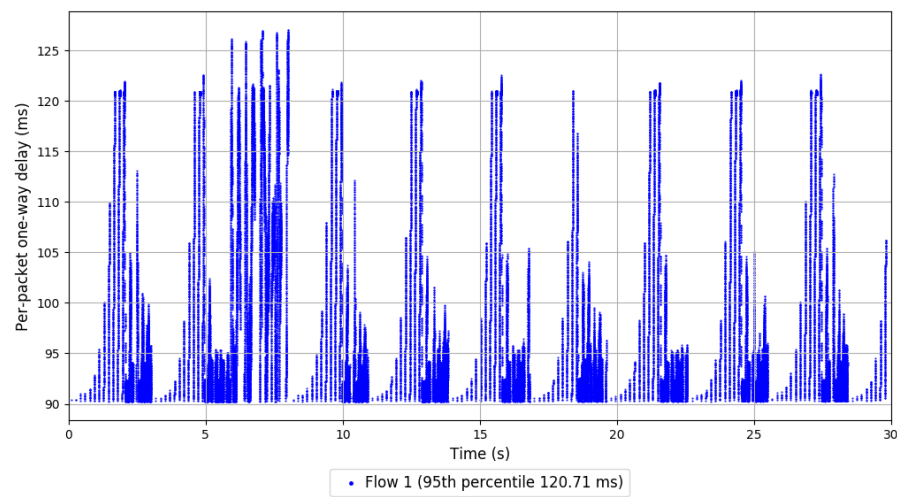
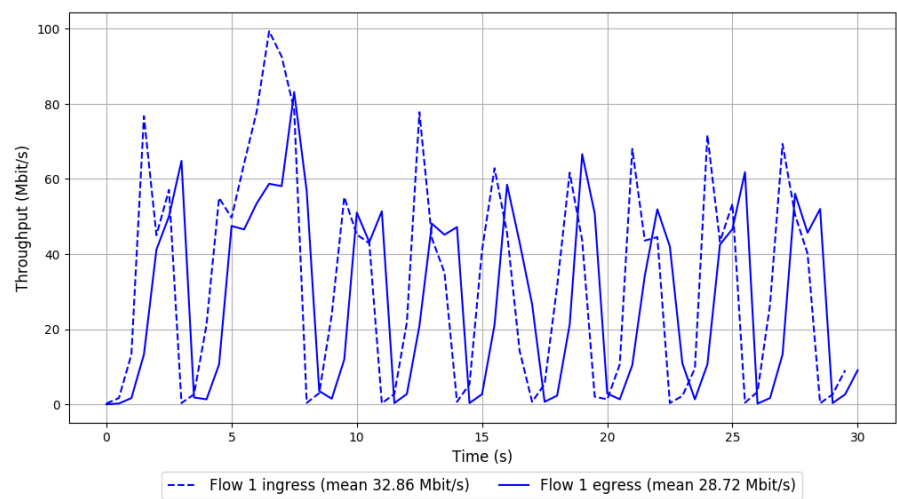


Run 4: Statistics of Verus

Start at: 2018-07-17 09:56:14
End at: 2018-07-17 09:56:44
Local clock offset: -10.976 ms
Remote clock offset: 6.626 ms

Below is generated by plot.py at 2018-07-17 12:30:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 28.72 Mbit/s
95th percentile per-packet one-way delay: 120.707 ms
Loss rate: 12.54%
-- Flow 1:
Average throughput: 28.72 Mbit/s
95th percentile per-packet one-way delay: 120.707 ms
Loss rate: 12.54%

Run 4: Report of Verus — Data Link

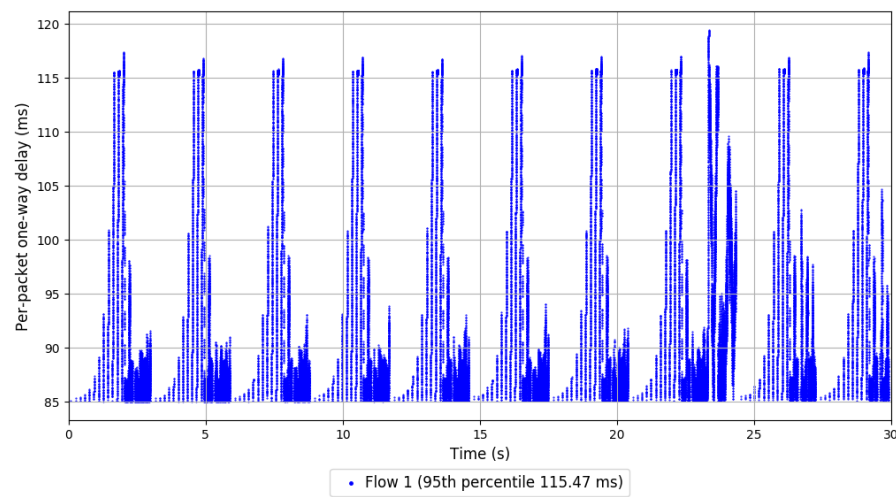
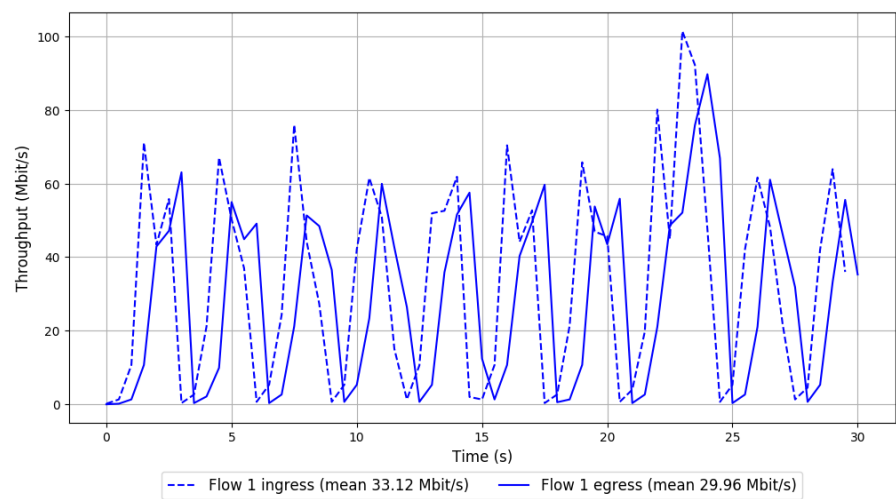


Run 5: Statistics of Verus

Start at: 2018-07-17 10:16:02
End at: 2018-07-17 10:16:32
Local clock offset: -9.756 ms
Remote clock offset: -5.774 ms

Below is generated by plot.py at 2018-07-17 12:30:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 29.96 Mbit/s
95th percentile per-packet one-way delay: 115.468 ms
Loss rate: 9.55%
-- Flow 1:
Average throughput: 29.96 Mbit/s
95th percentile per-packet one-way delay: 115.468 ms
Loss rate: 9.55%

Run 5: Report of Verus — Data Link

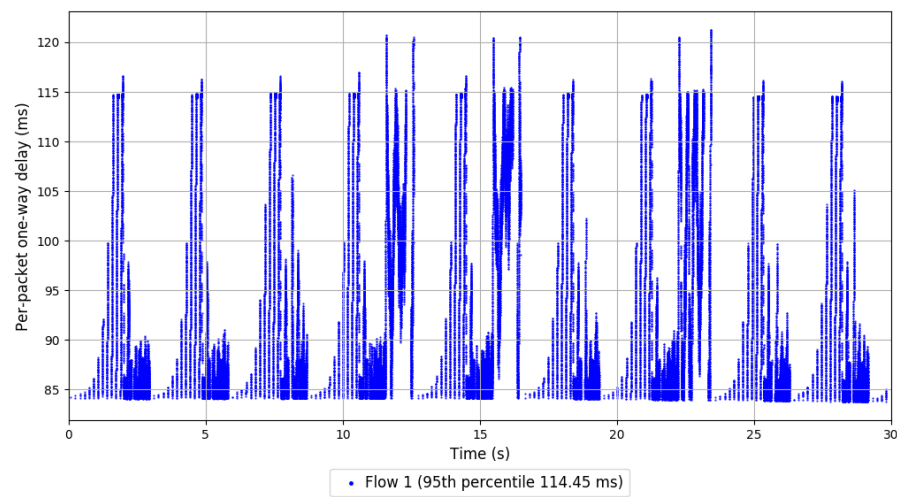
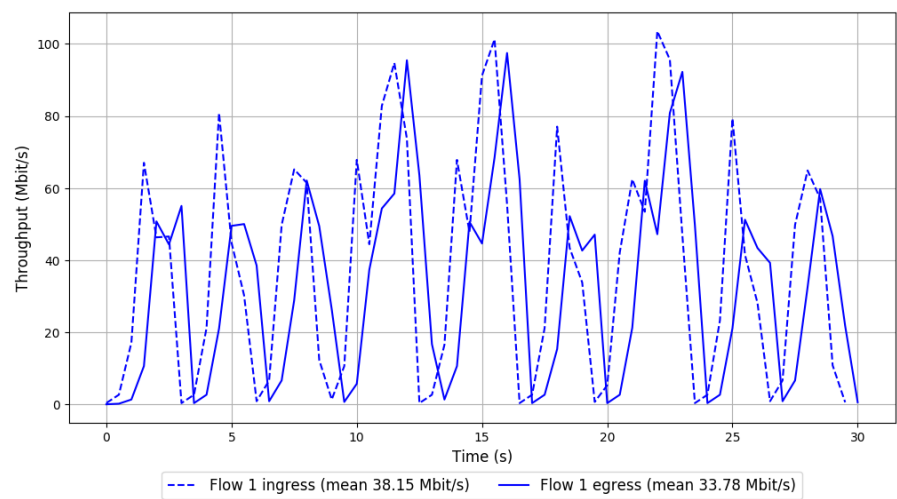


Run 6: Statistics of Verus

Start at: 2018-07-17 10:35:51
End at: 2018-07-17 10:36:21
Local clock offset: -9.115 ms
Remote clock offset: -5.174 ms

Below is generated by plot.py at 2018-07-17 12:30:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 33.78 Mbit/s
95th percentile per-packet one-way delay: 114.455 ms
Loss rate: 11.44%
-- Flow 1:
Average throughput: 33.78 Mbit/s
95th percentile per-packet one-way delay: 114.455 ms
Loss rate: 11.44%

Run 6: Report of Verus — Data Link

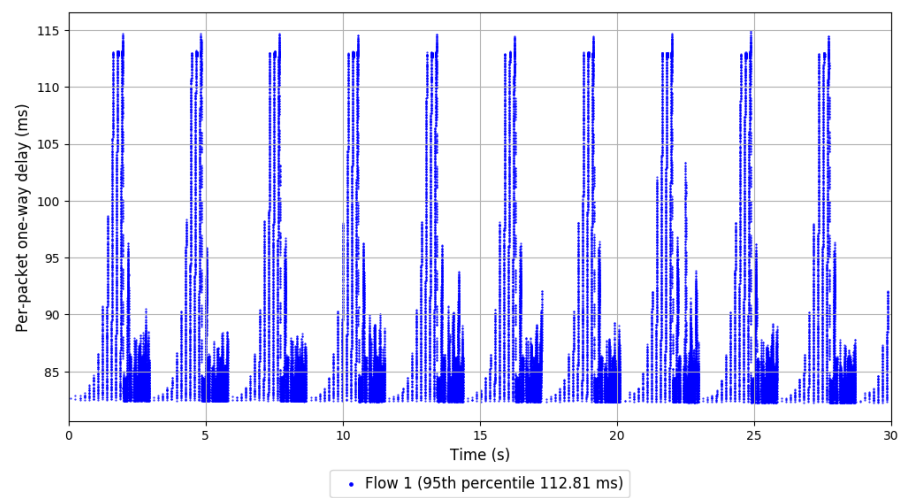
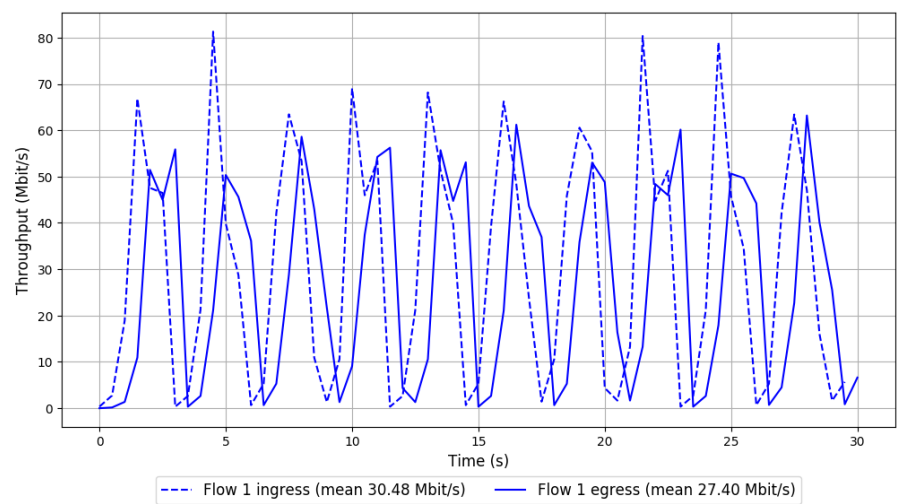


Run 7: Statistics of Verus

Start at: 2018-07-17 10:55:41
End at: 2018-07-17 10:56:11
Local clock offset: -8.685 ms
Remote clock offset: 6.367 ms

Below is generated by plot.py at 2018-07-17 12:30:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 27.40 Mbit/s
95th percentile per-packet one-way delay: 112.805 ms
Loss rate: 10.08%
-- Flow 1:
Average throughput: 27.40 Mbit/s
95th percentile per-packet one-way delay: 112.805 ms
Loss rate: 10.08%

Run 7: Report of Verus — Data Link

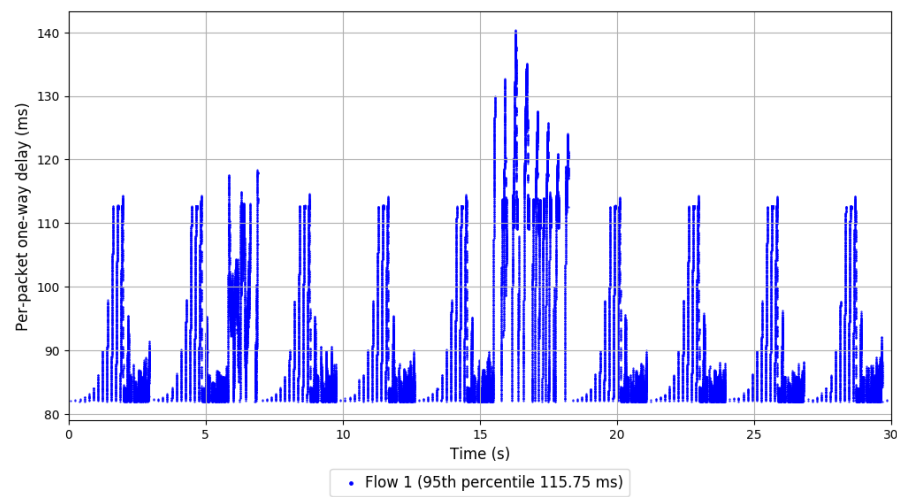
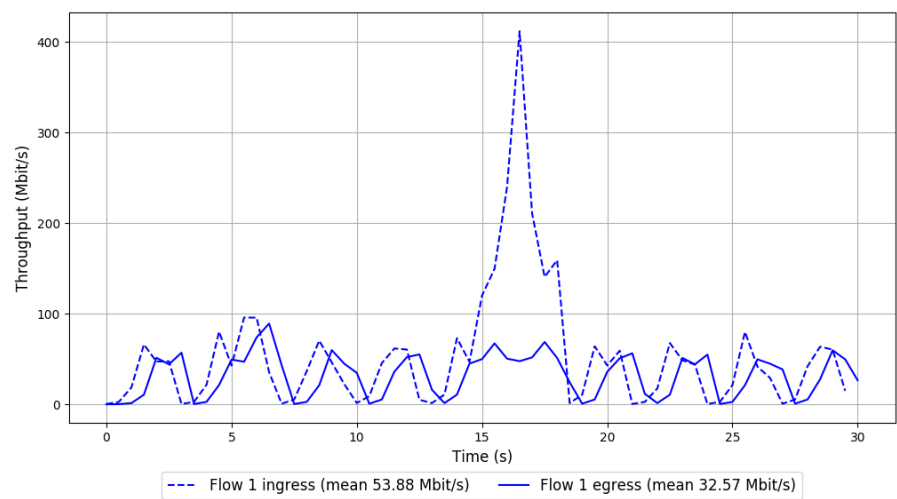


Run 8: Statistics of Verus

Start at: 2018-07-17 11:15:29
End at: 2018-07-17 11:15:59
Local clock offset: -8.758 ms
Remote clock offset: 10.011 ms

Below is generated by plot.py at 2018-07-17 12:30:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 32.57 Mbit/s
95th percentile per-packet one-way delay: 115.746 ms
Loss rate: 39.55%
-- Flow 1:
Average throughput: 32.57 Mbit/s
95th percentile per-packet one-way delay: 115.746 ms
Loss rate: 39.55%

Run 8: Report of Verus — Data Link

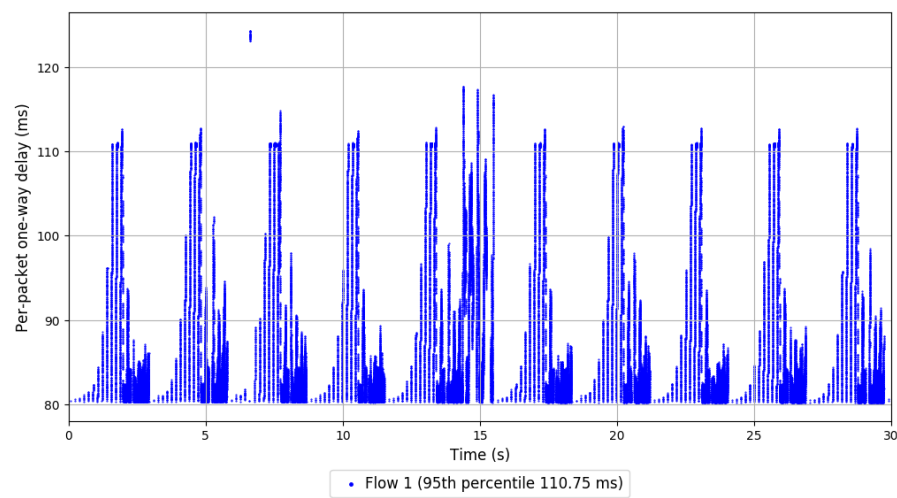
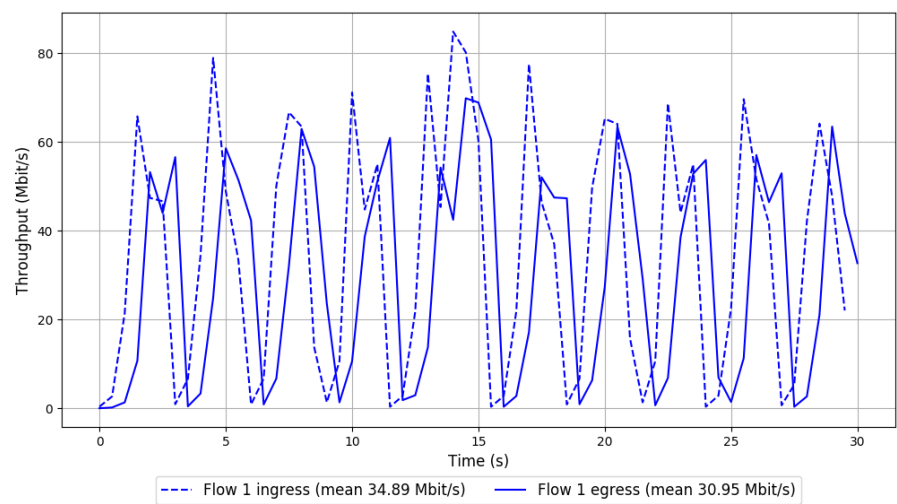


Run 9: Statistics of Verus

Start at: 2018-07-17 11:35:19
End at: 2018-07-17 11:35:49
Local clock offset: -9.574 ms
Remote clock offset: 12.103 ms

Below is generated by plot.py at 2018-07-17 12:30:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 30.95 Mbit/s
95th percentile per-packet one-way delay: 110.745 ms
Loss rate: 11.27%
-- Flow 1:
Average throughput: 30.95 Mbit/s
95th percentile per-packet one-way delay: 110.745 ms
Loss rate: 11.27%

Run 9: Report of Verus — Data Link

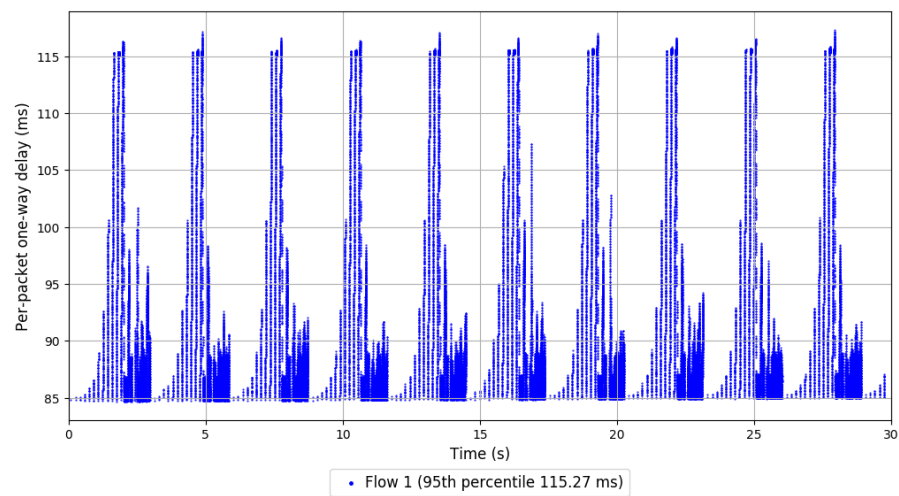
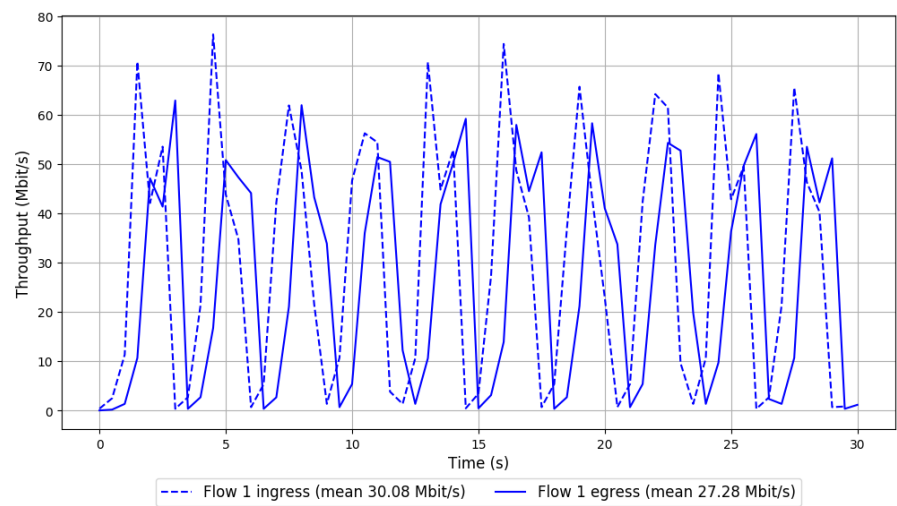


Run 10: Statistics of Verus

Start at: 2018-07-17 11:55:09
End at: 2018-07-17 11:55:39
Local clock offset: -10.028 ms
Remote clock offset: 14.549 ms

Below is generated by plot.py at 2018-07-17 12:30:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 27.28 Mbit/s
95th percentile per-packet one-way delay: 115.269 ms
Loss rate: 9.80%
-- Flow 1:
Average throughput: 27.28 Mbit/s
95th percentile per-packet one-way delay: 115.269 ms
Loss rate: 9.80%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-17 09:02:35

End at: 2018-07-17 09:03:05

Local clock offset: -8.572 ms

Remote clock offset: 3.321 ms

Below is generated by plot.py at 2018-07-17 12:30:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.62 Mbit/s

95th percentile per-packet one-way delay: 111.820 ms

Loss rate: 0.15%

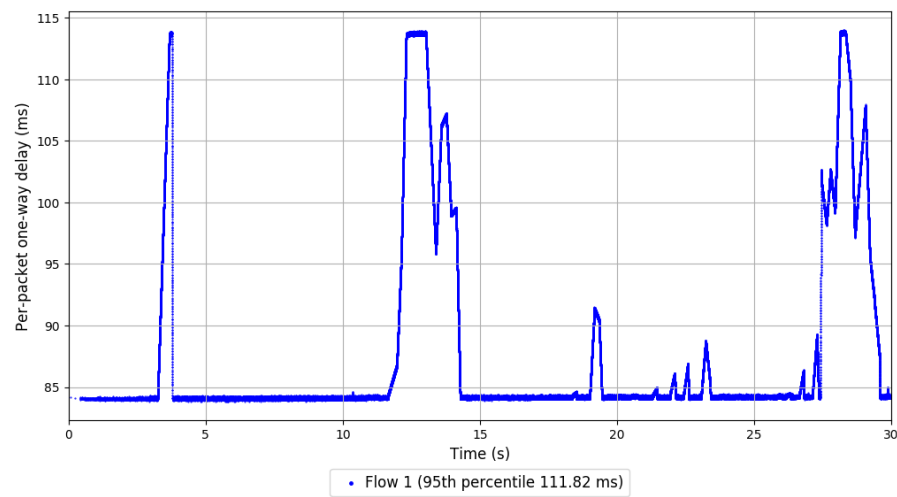
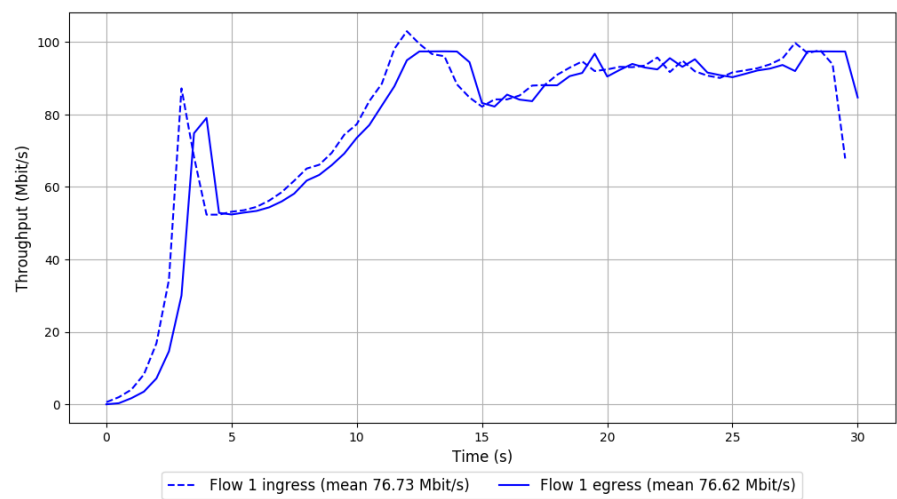
-- Flow 1:

Average throughput: 76.62 Mbit/s

95th percentile per-packet one-way delay: 111.820 ms

Loss rate: 0.15%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-17 09:22:24

End at: 2018-07-17 09:22:54

Local clock offset: -8.009 ms

Remote clock offset: -4.408 ms

Below is generated by plot.py at 2018-07-17 12:31:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.43 Mbit/s

95th percentile per-packet one-way delay: 84.856 ms

Loss rate: 0.06%

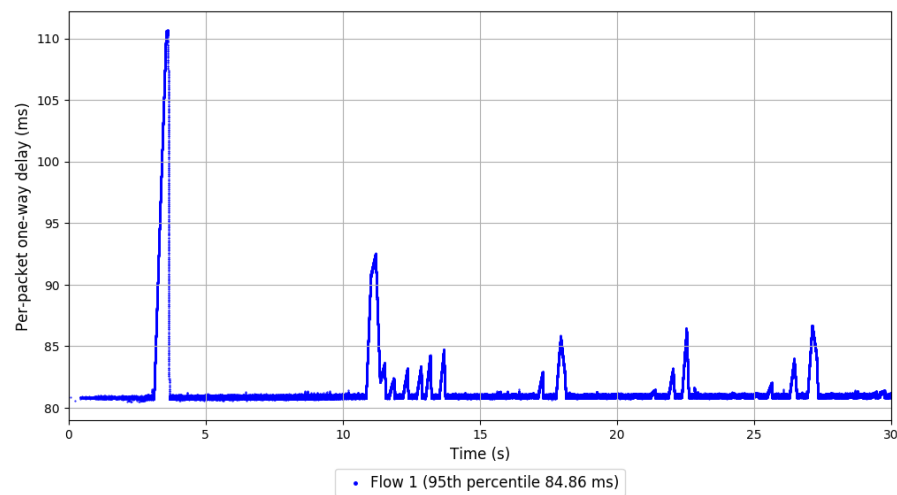
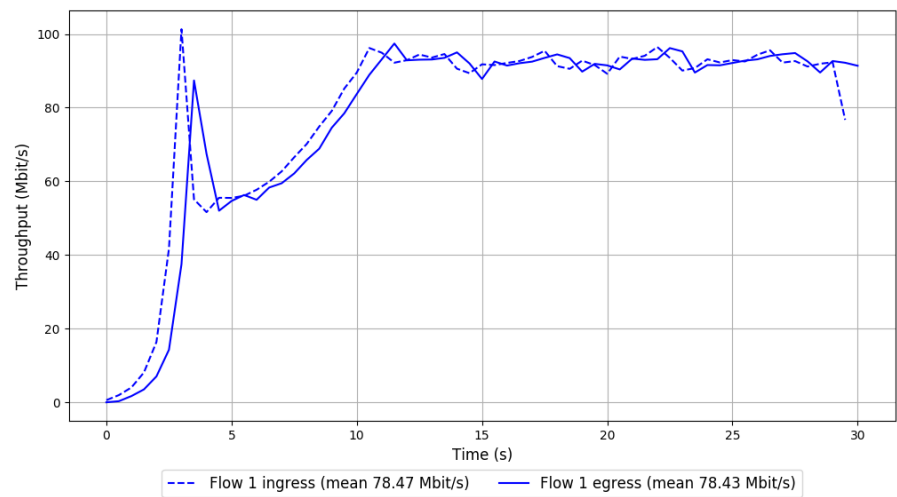
-- Flow 1:

Average throughput: 78.43 Mbit/s

95th percentile per-packet one-way delay: 84.856 ms

Loss rate: 0.06%

Run 2: Report of PCC-Vivace — Data Link

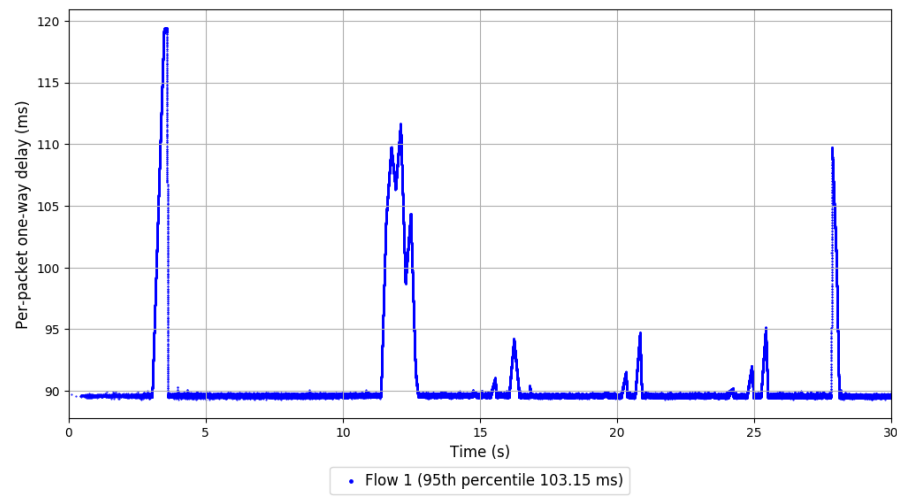
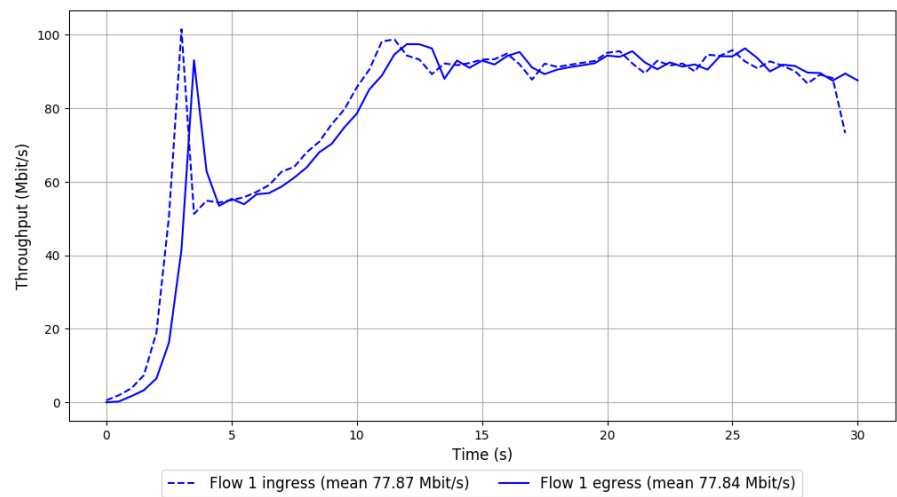


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-17 09:42:16
End at: 2018-07-17 09:42:46
Local clock offset: -10.573 ms
Remote clock offset: 6.47 ms

Below is generated by plot.py at 2018-07-17 12:31:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.84 Mbit/s
95th percentile per-packet one-way delay: 103.149 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 77.84 Mbit/s
95th percentile per-packet one-way delay: 103.149 ms
Loss rate: 0.06%

Run 3: Report of PCC-Vivace — Data Link

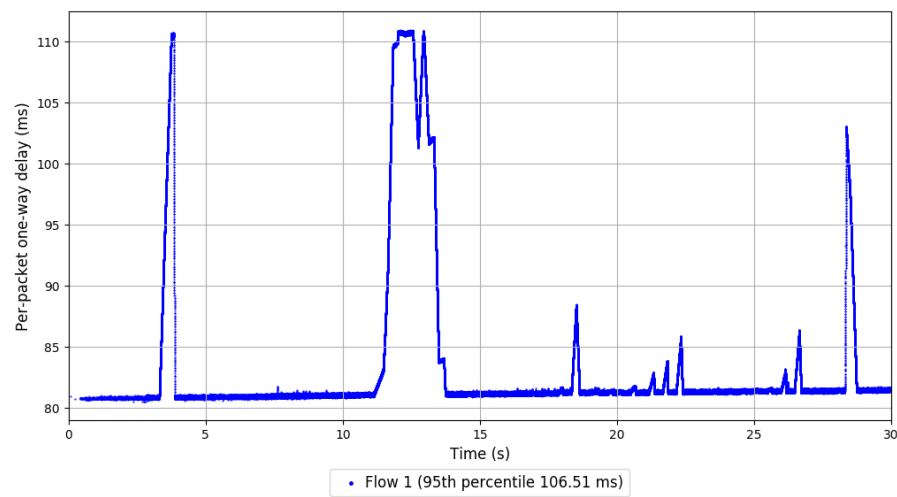
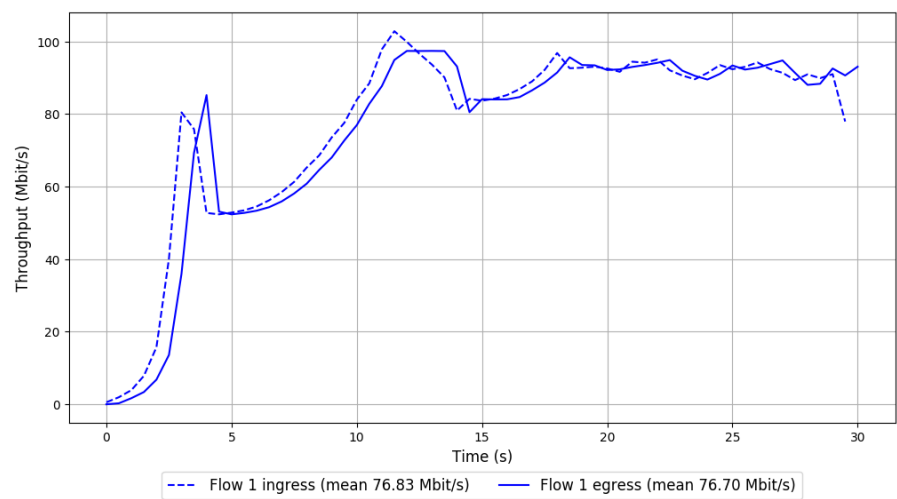


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-17 10:02:04
End at: 2018-07-17 10:02:34
Local clock offset: -10.332 ms
Remote clock offset: 2.945 ms

Below is generated by plot.py at 2018-07-17 12:31:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.70 Mbit/s
95th percentile per-packet one-way delay: 106.508 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 76.70 Mbit/s
95th percentile per-packet one-way delay: 106.508 ms
Loss rate: 0.17%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-17 10:21:52

End at: 2018-07-17 10:22:22

Local clock offset: -9.59 ms

Remote clock offset: -6.421 ms

Below is generated by plot.py at 2018-07-17 12:31:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.95 Mbit/s

95th percentile per-packet one-way delay: 108.371 ms

Loss rate: 0.19%

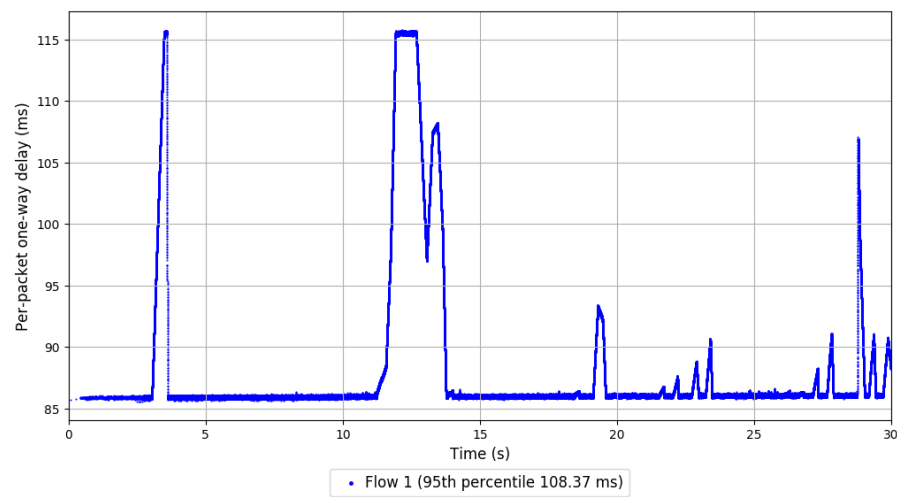
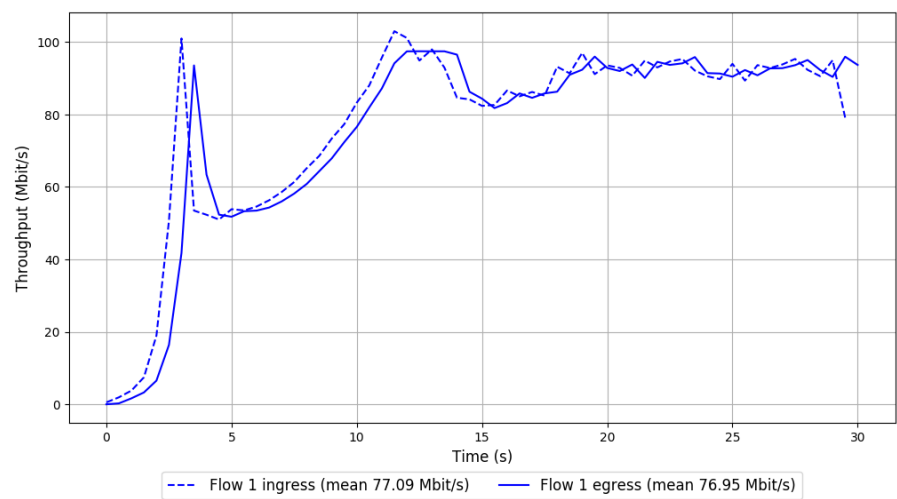
-- Flow 1:

Average throughput: 76.95 Mbit/s

95th percentile per-packet one-way delay: 108.371 ms

Loss rate: 0.19%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-07-17 10:41:41

End at: 2018-07-17 10:42:11

Local clock offset: -8.941 ms

Remote clock offset: 3.132 ms

Below is generated by plot.py at 2018-07-17 12:31:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.46 Mbit/s

95th percentile per-packet one-way delay: 96.868 ms

Loss rate: 0.03%

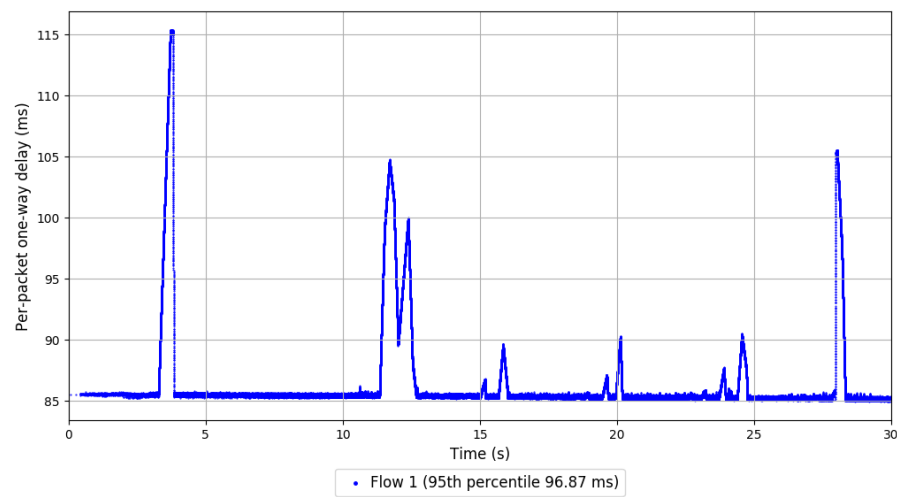
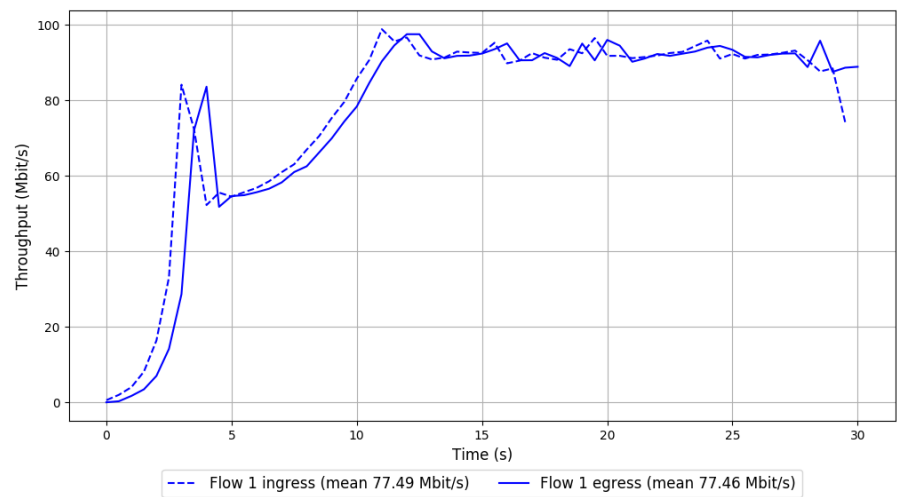
-- Flow 1:

Average throughput: 77.46 Mbit/s

95th percentile per-packet one-way delay: 96.868 ms

Loss rate: 0.03%

Run 6: Report of PCC-Vivace — Data Link

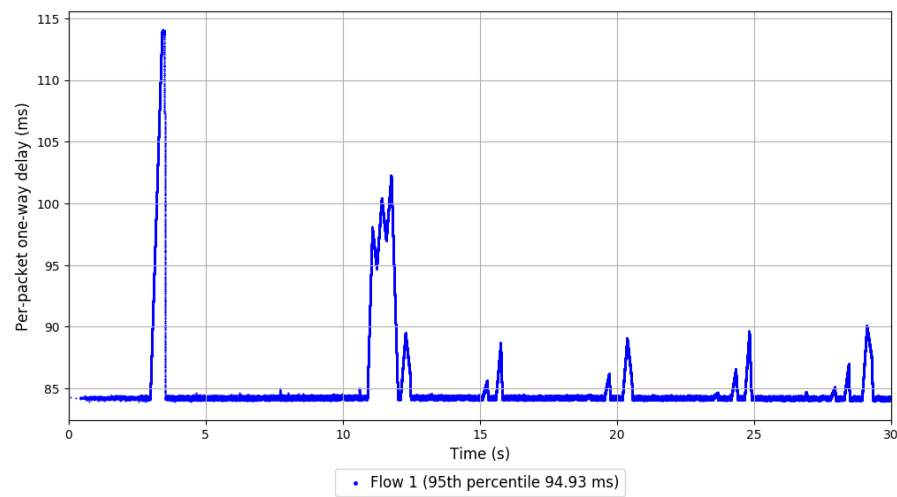
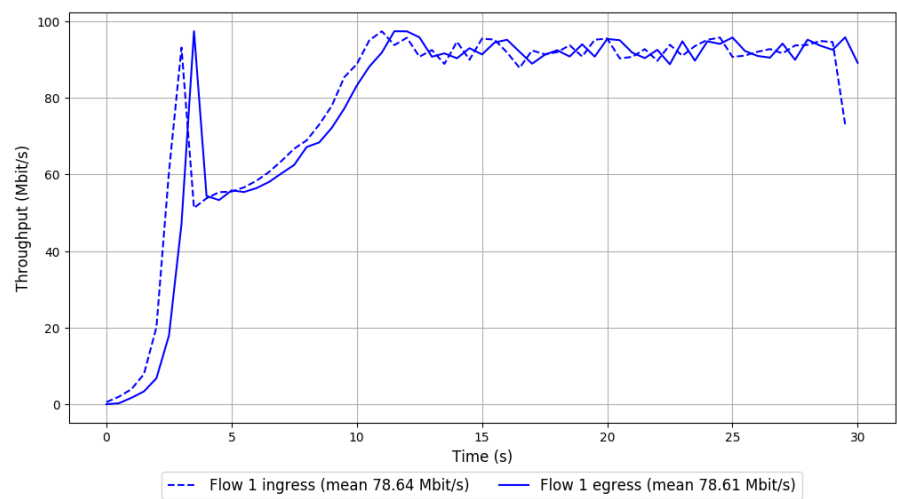


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-17 11:01:30
End at: 2018-07-17 11:02:00
Local clock offset: -8.772 ms
Remote clock offset: 11.816 ms

Below is generated by plot.py at 2018-07-17 12:31:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.61 Mbit/s
95th percentile per-packet one-way delay: 94.928 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 78.61 Mbit/s
95th percentile per-packet one-way delay: 94.928 ms
Loss rate: 0.03%

Run 7: Report of PCC-Vivace — Data Link

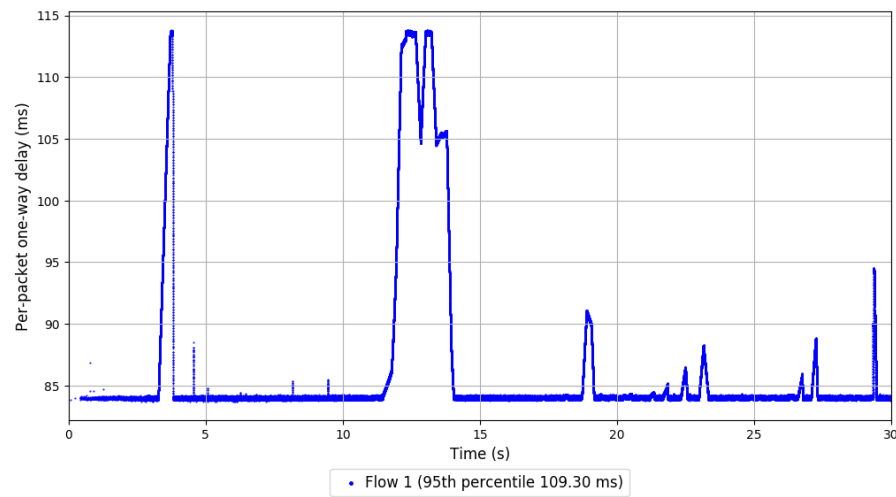
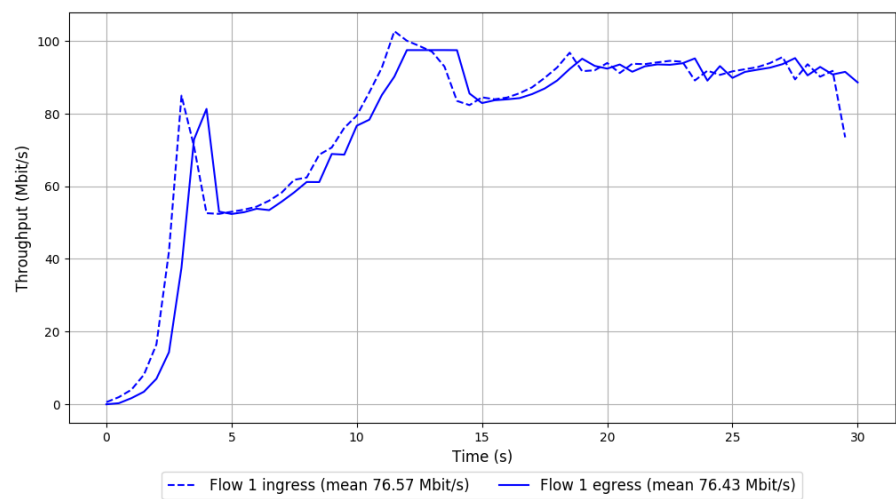


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-17 11:21:19
End at: 2018-07-17 11:21:49
Local clock offset: -8.773 ms
Remote clock offset: 14.268 ms

Below is generated by plot.py at 2018-07-17 12:31:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.43 Mbit/s
95th percentile per-packet one-way delay: 109.296 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 76.43 Mbit/s
95th percentile per-packet one-way delay: 109.296 ms
Loss rate: 0.18%

Run 8: Report of PCC-Vivace — Data Link

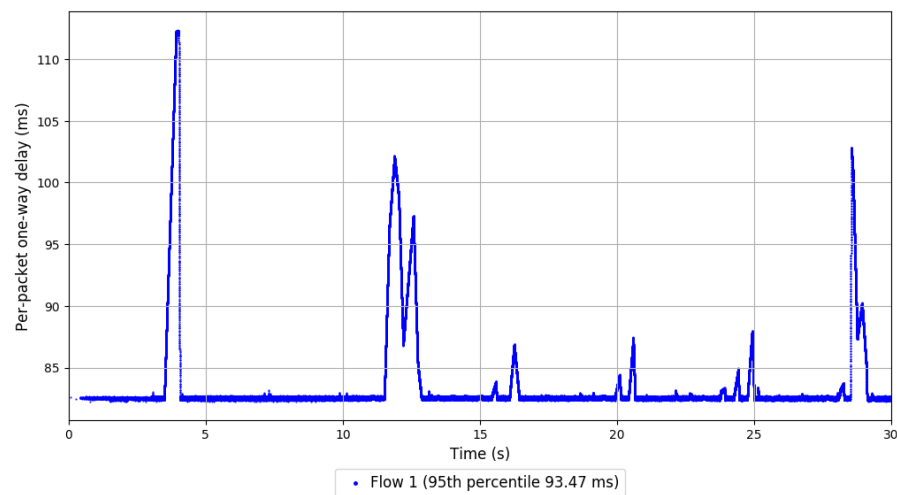
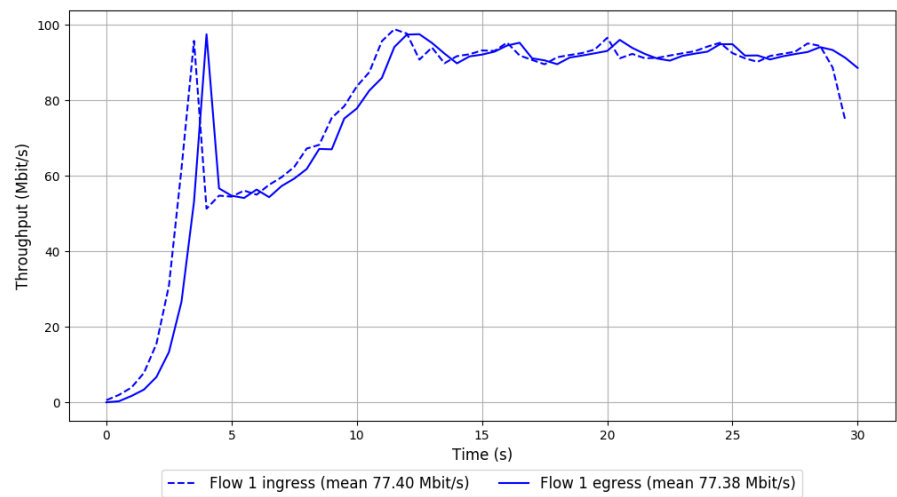


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-17 11:41:09
End at: 2018-07-17 11:41:39
Local clock offset: -9.777 ms
Remote clock offset: 13.058 ms

Below is generated by plot.py at 2018-07-17 12:31:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.38 Mbit/s
95th percentile per-packet one-way delay: 93.468 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 77.38 Mbit/s
95th percentile per-packet one-way delay: 93.468 ms
Loss rate: 0.04%

Run 9: Report of PCC-Vivace — Data Link

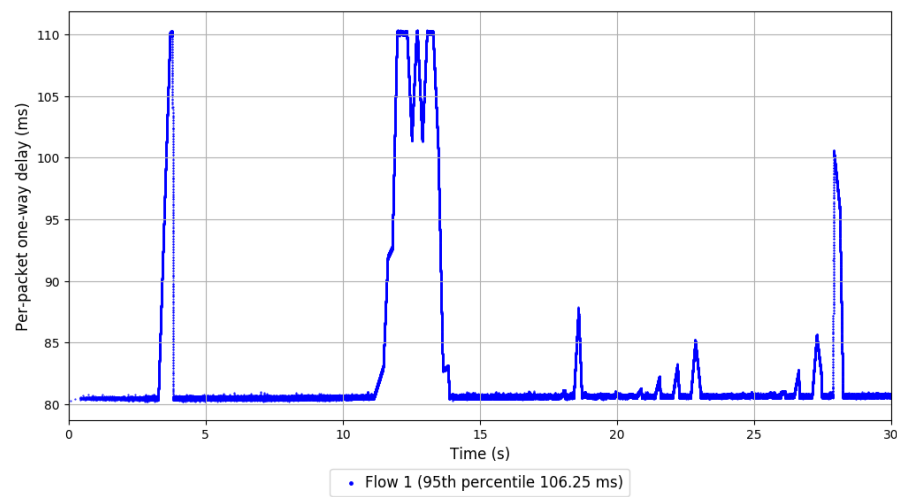
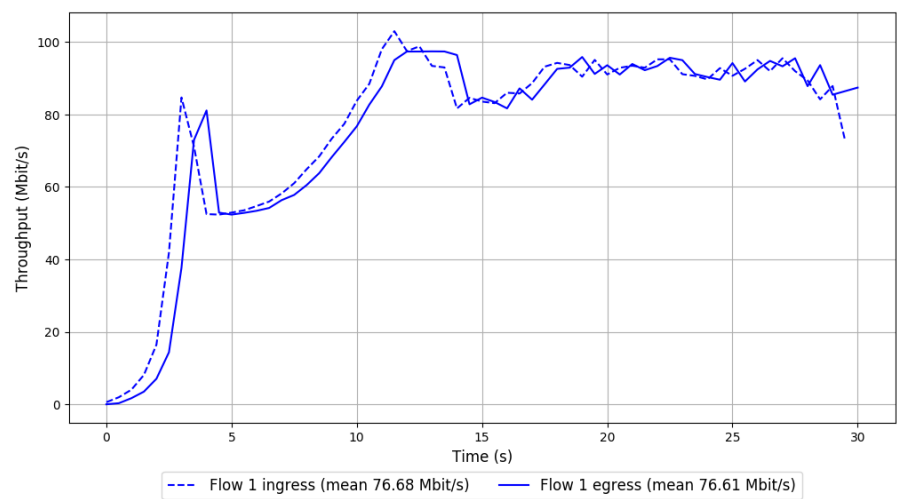


Run 10: Statistics of PCC-Vivace

Start at: 2018-07-17 12:00:58
End at: 2018-07-17 12:01:28
Local clock offset: -7.139 ms
Remote clock offset: 12.123 ms

Below is generated by plot.py at 2018-07-17 12:31:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.61 Mbit/s
95th percentile per-packet one-way delay: 106.253 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 76.61 Mbit/s
95th percentile per-packet one-way delay: 106.253 ms
Loss rate: 0.10%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-07-17 09:04:53

End at: 2018-07-17 09:05:23

Local clock offset: -8.587 ms

Remote clock offset: 2.94 ms

Below is generated by plot.py at 2018-07-17 12:31:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.81 Mbit/s

95th percentile per-packet one-way delay: 90.273 ms

Loss rate: 0.07%

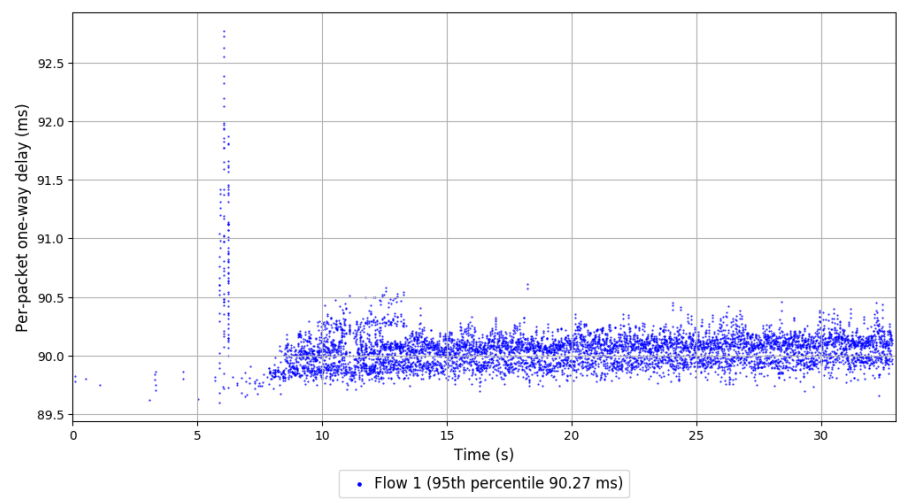
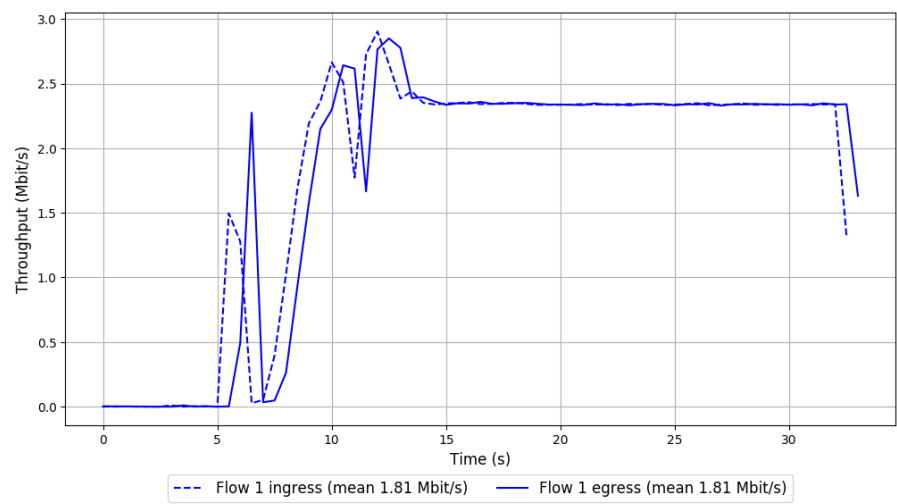
-- Flow 1:

Average throughput: 1.81 Mbit/s

95th percentile per-packet one-way delay: 90.273 ms

Loss rate: 0.07%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-07-17 09:24:43

End at: 2018-07-17 09:25:13

Local clock offset: -7.943 ms

Remote clock offset: 1.247 ms

Below is generated by plot.py at 2018-07-17 12:31:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 91.262 ms

Loss rate: 0.09%

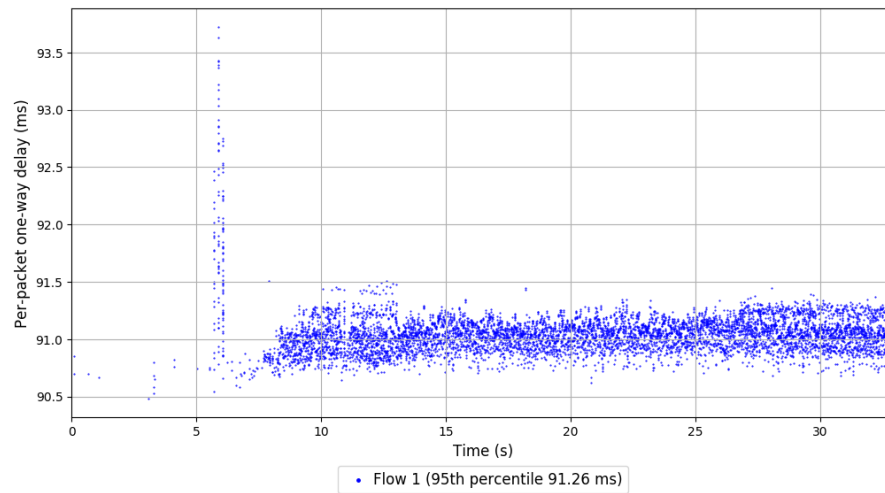
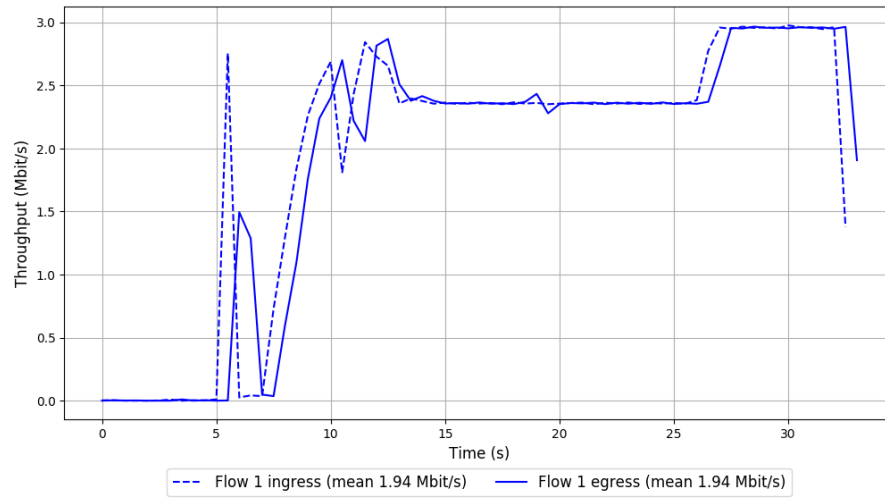
-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 91.262 ms

Loss rate: 0.09%

Run 2: Report of WebRTC media — Data Link

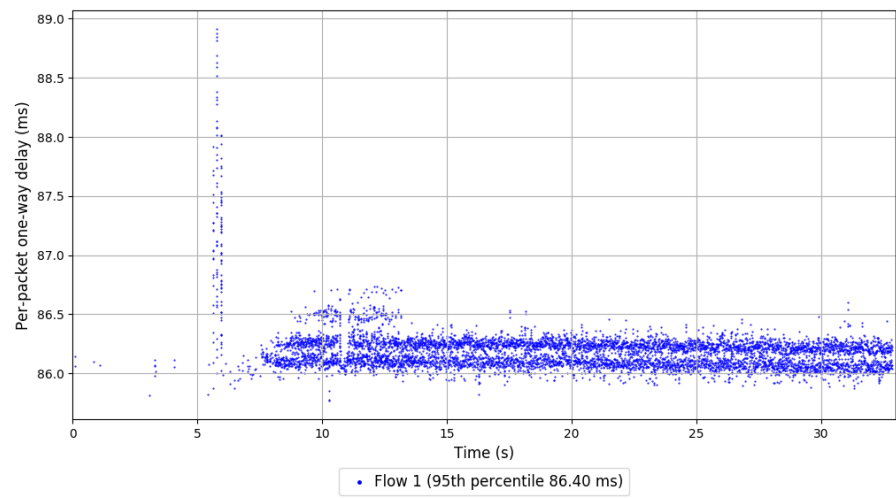
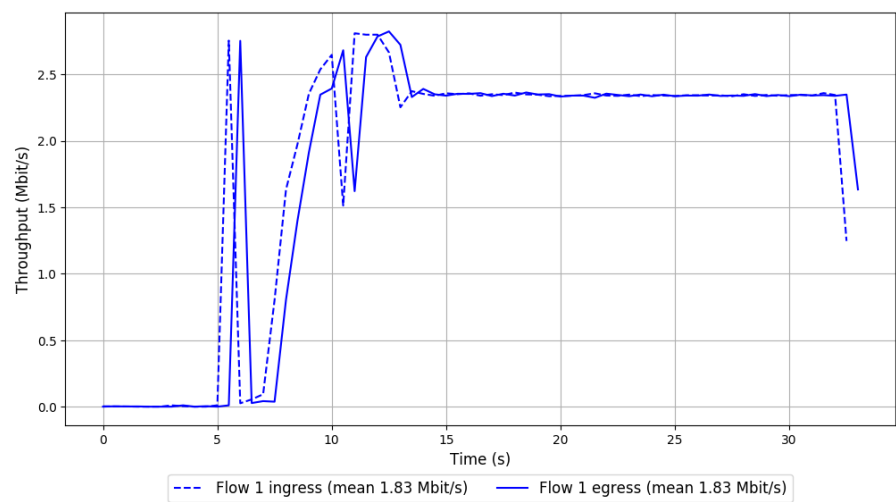


Run 3: Statistics of WebRTC media

Start at: 2018-07-17 09:44:35
End at: 2018-07-17 09:45:05
Local clock offset: -10.729 ms
Remote clock offset: 6.883 ms

Below is generated by plot.py at 2018-07-17 12:31:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 86.396 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 86.396 ms
Loss rate: 0.03%

Run 3: Report of WebRTC media — Data Link

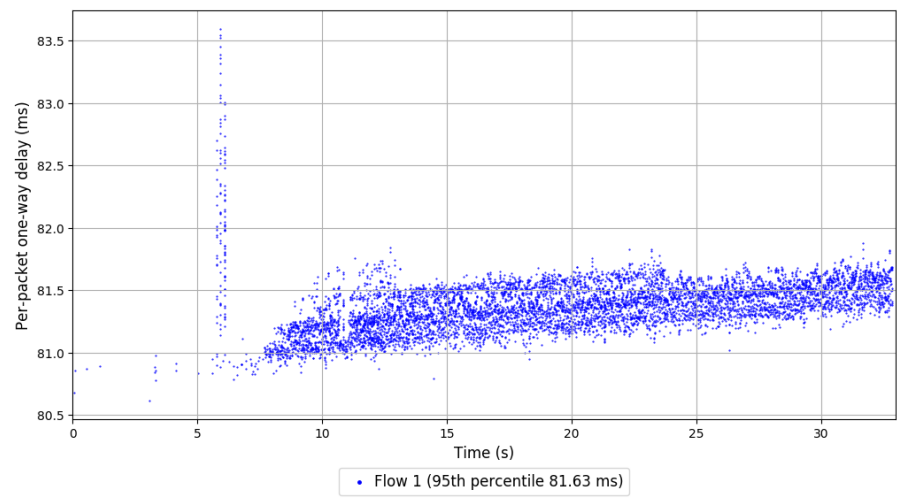
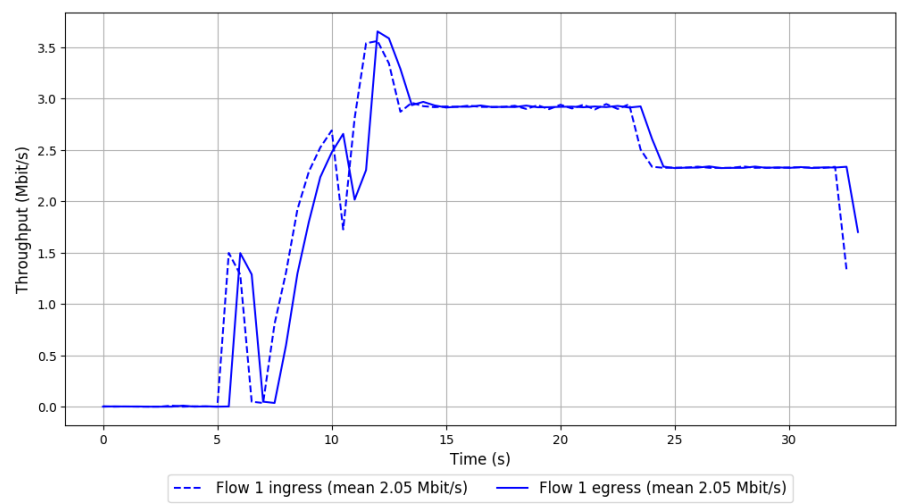


Run 4: Statistics of WebRTC media

Start at: 2018-07-17 10:04:22
End at: 2018-07-17 10:04:52
Local clock offset: -10.141 ms
Remote clock offset: 0.674 ms

Below is generated by plot.py at 2018-07-17 12:31:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 81.632 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 81.632 ms
Loss rate: 0.04%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-17 10:24:10

End at: 2018-07-17 10:24:40

Local clock offset: -9.572 ms

Remote clock offset: -4.11 ms

Below is generated by plot.py at 2018-07-17 12:31:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.83 Mbit/s

95th percentile per-packet one-way delay: 85.695 ms

Loss rate: 0.00%

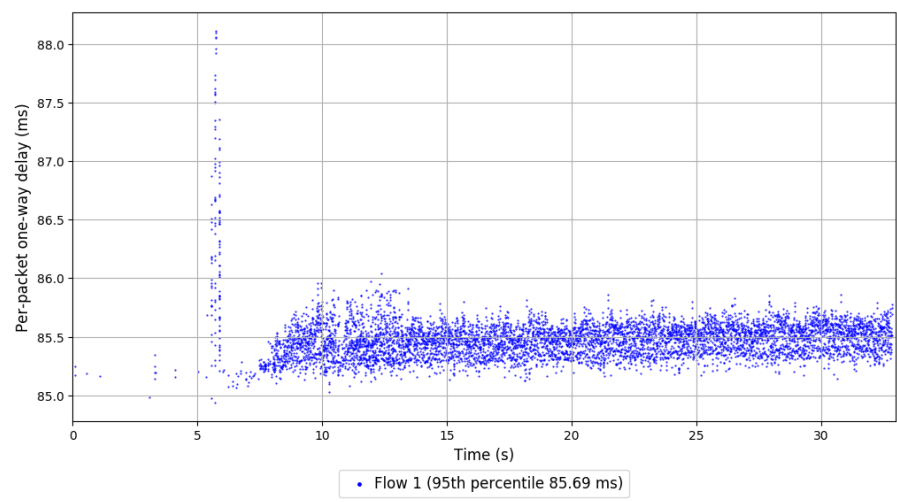
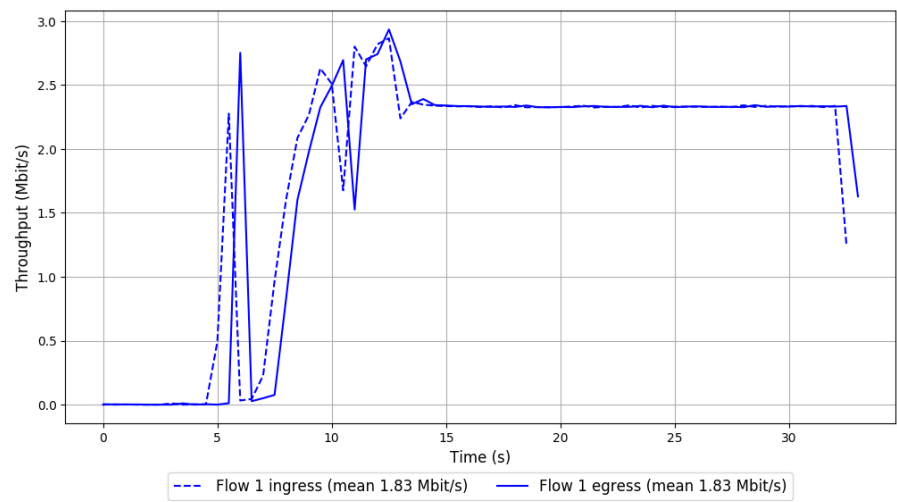
-- Flow 1:

Average throughput: 1.83 Mbit/s

95th percentile per-packet one-way delay: 85.695 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-07-17 10:43:59

End at: 2018-07-17 10:44:29

Local clock offset: -8.965 ms

Remote clock offset: 5.183 ms

Below is generated by plot.py at 2018-07-17 12:31:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.06 Mbit/s

95th percentile per-packet one-way delay: 85.379 ms

Loss rate: 0.01%

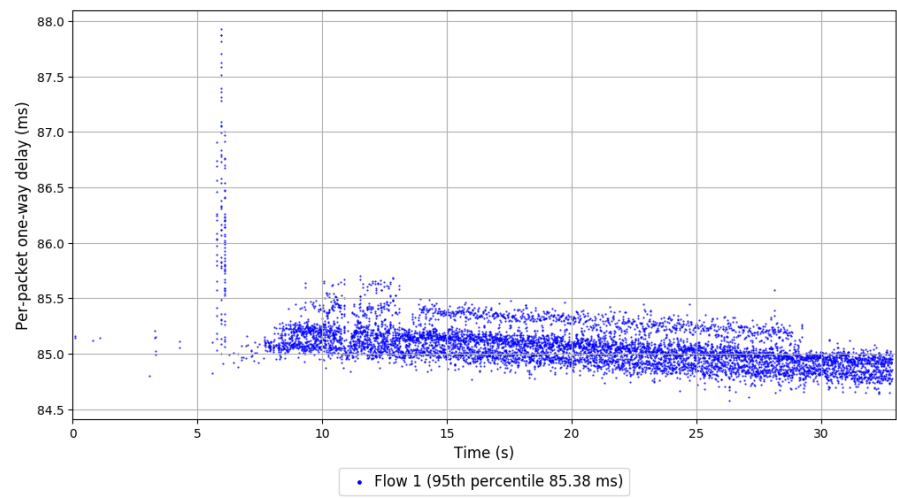
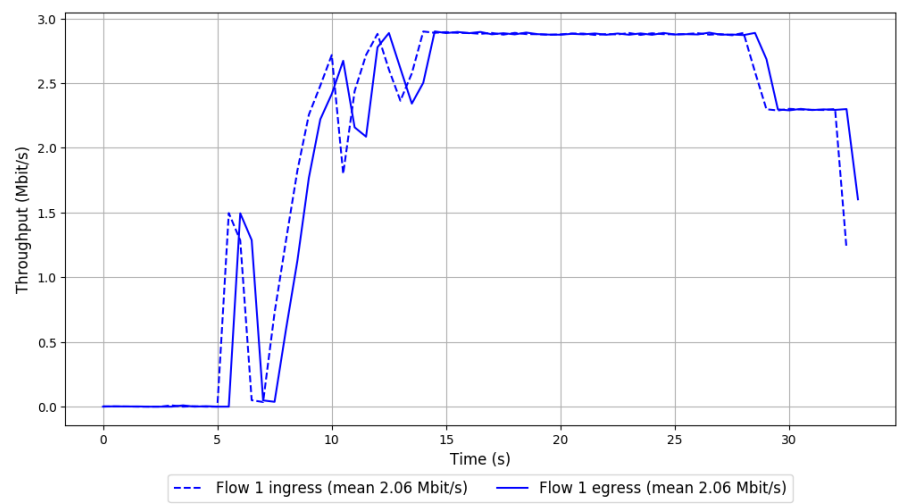
-- Flow 1:

Average throughput: 2.06 Mbit/s

95th percentile per-packet one-way delay: 85.379 ms

Loss rate: 0.01%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-07-17 11:03:48

End at: 2018-07-17 11:04:18

Local clock offset: -8.759 ms

Remote clock offset: 8.656 ms

Below is generated by plot.py at 2018-07-17 12:31:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.80 Mbit/s

95th percentile per-packet one-way delay: 80.854 ms

Loss rate: 0.00%

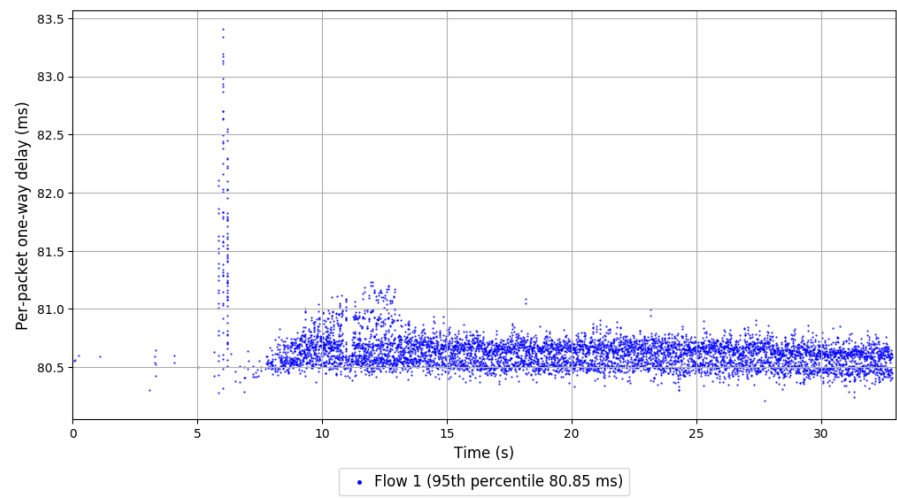
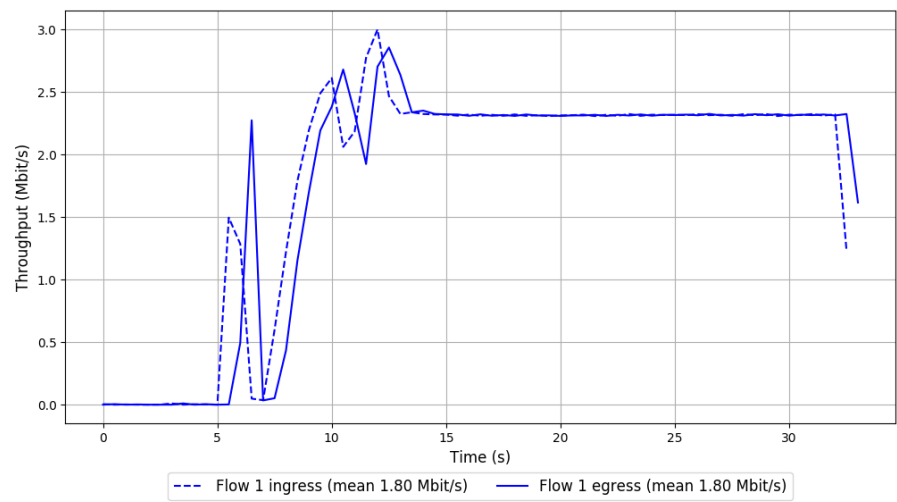
-- Flow 1:

Average throughput: 1.80 Mbit/s

95th percentile per-packet one-way delay: 80.854 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

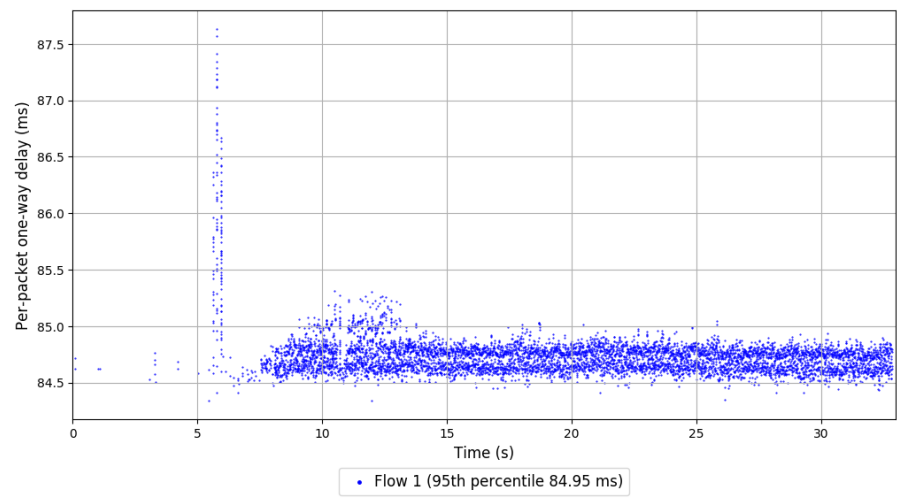
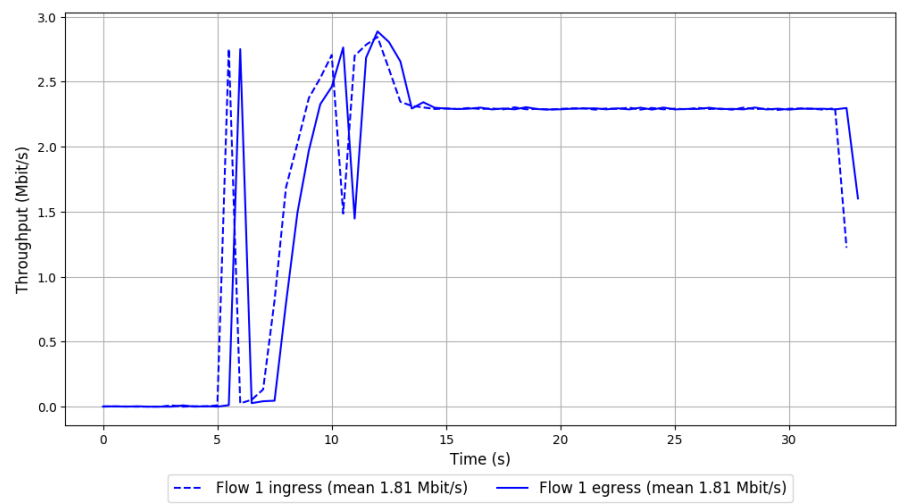


Run 8: Statistics of WebRTC media

Start at: 2018-07-17 11:23:38
End at: 2018-07-17 11:24:08
Local clock offset: -8.713 ms
Remote clock offset: 14.359 ms

Below is generated by plot.py at 2018-07-17 12:31:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 84.954 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 84.954 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-07-17 11:43:28

End at: 2018-07-17 11:43:58

Local clock offset: -9.865 ms

Remote clock offset: 13.31 ms

Below is generated by plot.py at 2018-07-17 12:31:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.80 Mbit/s

95th percentile per-packet one-way delay: 82.413 ms

Loss rate: 0.00%

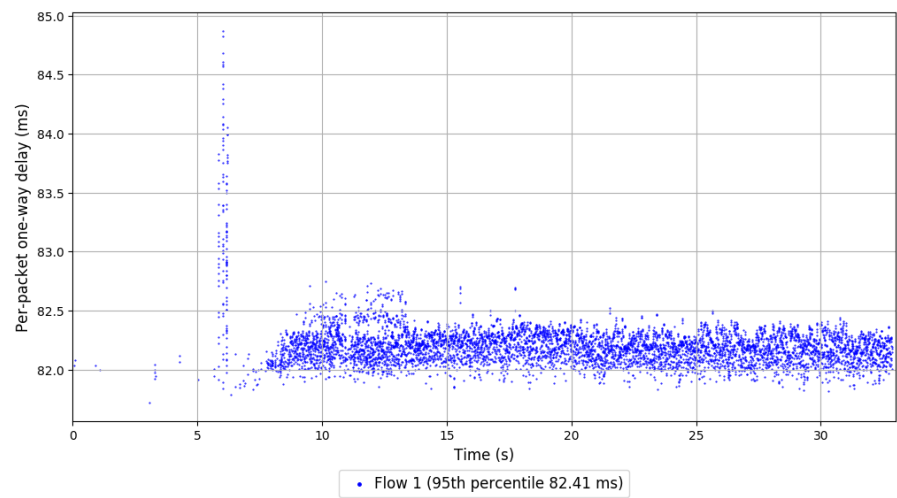
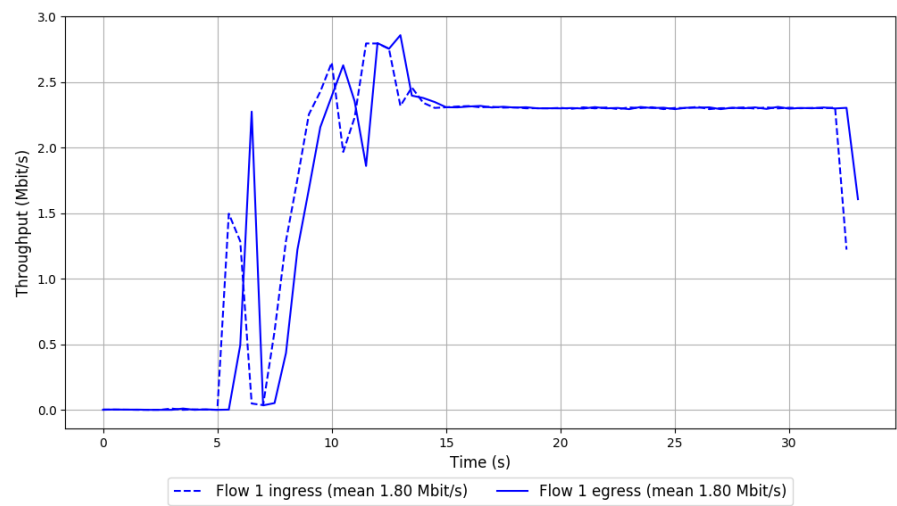
-- Flow 1:

Average throughput: 1.80 Mbit/s

95th percentile per-packet one-way delay: 82.413 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-17 12:03:16

End at: 2018-07-17 12:03:46

Local clock offset: -6.403 ms

Remote clock offset: 11.121 ms

Below is generated by plot.py at 2018-07-17 12:31:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.80 Mbit/s

95th percentile per-packet one-way delay: 81.619 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.80 Mbit/s

95th percentile per-packet one-way delay: 81.619 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

