

Pantheon Report

Generated at 2018-07-24 10:20:44 (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.

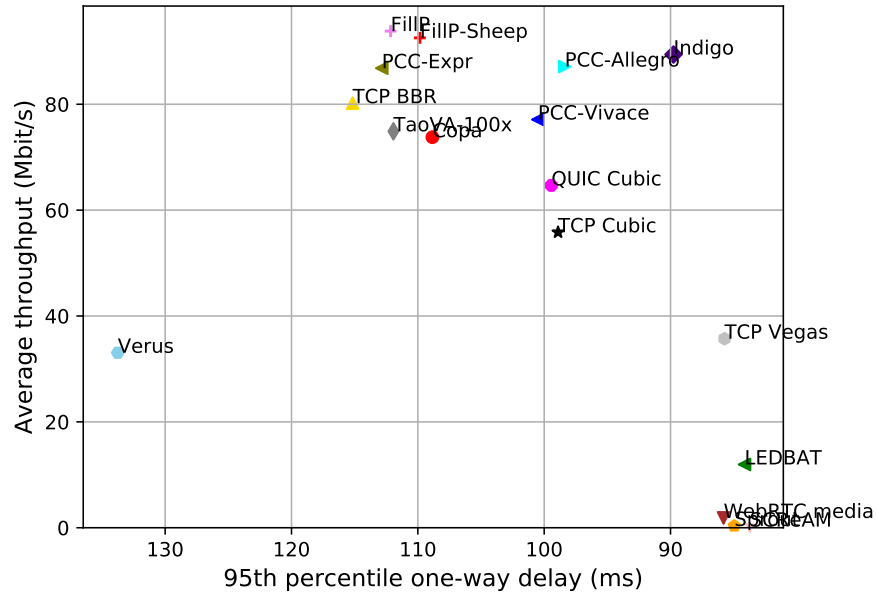
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

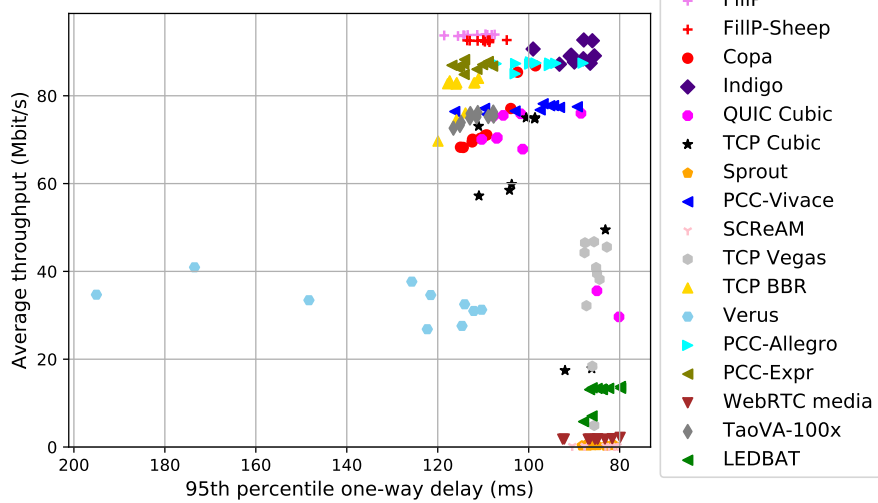
Git summary:

```
branch: master @ 640164b5b17c7c6561fff57729b3b5935d8596ce
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



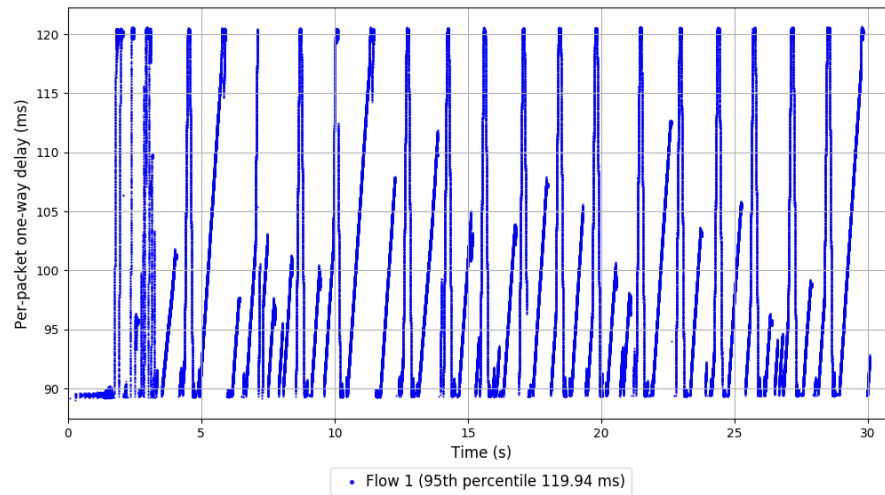
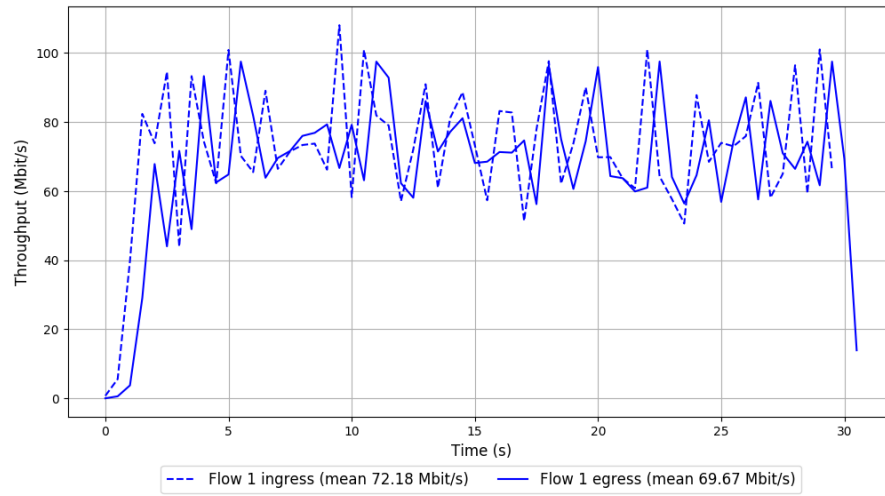
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	80.20	115.16	3.68
Copa	10	73.78	108.85	3.81
TCP Cubic	10	55.81	98.90	0.53
FillP	10	93.82	112.15	8.24
FillP-Sheep	10	92.55	109.84	2.27
Indigo	10	89.40	89.77	0.88
LEDBAT	10	11.96	84.15	0.01
PCC-Allegro	10	87.12	98.37	1.44
PCC-Expr	10	86.81	112.86	2.41
QUIC Cubic	10	64.67	99.43	0.29
SCReAM	10	0.22	83.74	0.00
Sprout	10	0.35	84.95	0.01
TaoVA-100x	10	74.89	111.93	0.77
TCP Vegas	10	35.71	85.73	0.38
Verus	10	33.05	133.75	39.97
PCC-Vivace	10	77.12	100.50	0.08
WebRTC media	10	1.85	85.80	0.01

Run 1: Statistics of TCP BBR

Start at: 2018-07-24 06:41:30
End at: 2018-07-24 06:42:00
Local clock offset: -17.487 ms
Remote clock offset: 13.591 ms

Below is generated by plot.py at 2018-07-24 10:03:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.67 Mbit/s
95th percentile per-packet one-way delay: 119.943 ms
Loss rate: 3.48%
-- Flow 1:
Average throughput: 69.67 Mbit/s
95th percentile per-packet one-way delay: 119.943 ms
Loss rate: 3.48%

Run 1: Report of TCP BBR — Data Link

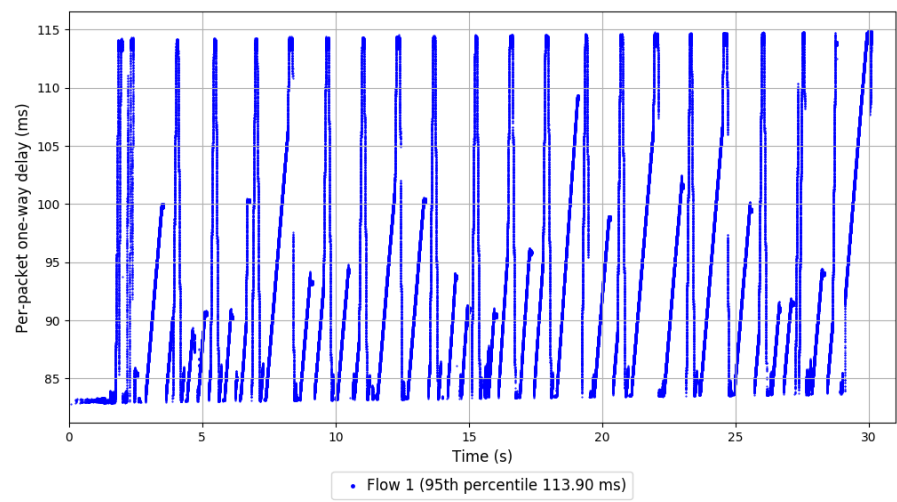
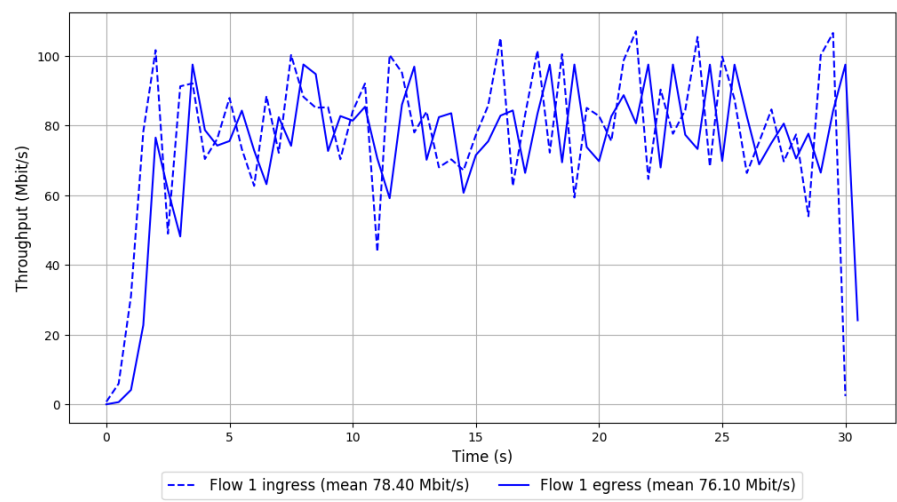


Run 2: Statistics of TCP BBR

Start at: 2018-07-24 07:01:24
End at: 2018-07-24 07:01:54
Local clock offset: -19.47 ms
Remote clock offset: 14.278 ms

Below is generated by plot.py at 2018-07-24 10:03:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.10 Mbit/s
95th percentile per-packet one-way delay: 113.899 ms
Loss rate: 2.85%
-- Flow 1:
Average throughput: 76.10 Mbit/s
95th percentile per-packet one-way delay: 113.899 ms
Loss rate: 2.85%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-24 07:21:21

End at: 2018-07-24 07:21:51

Local clock offset: -9.393 ms

Remote clock offset: 8.135 ms

Below is generated by plot.py at 2018-07-24 10:03:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.74 Mbit/s

95th percentile per-packet one-way delay: 117.822 ms

Loss rate: 4.16%

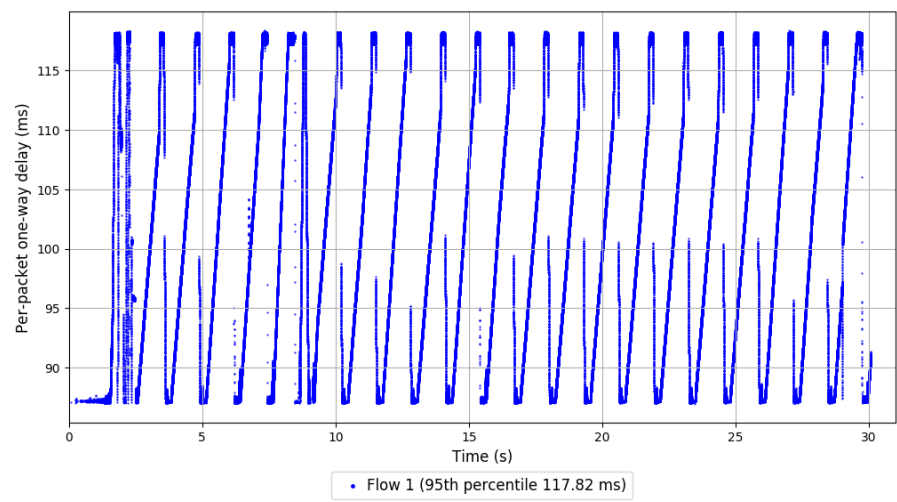
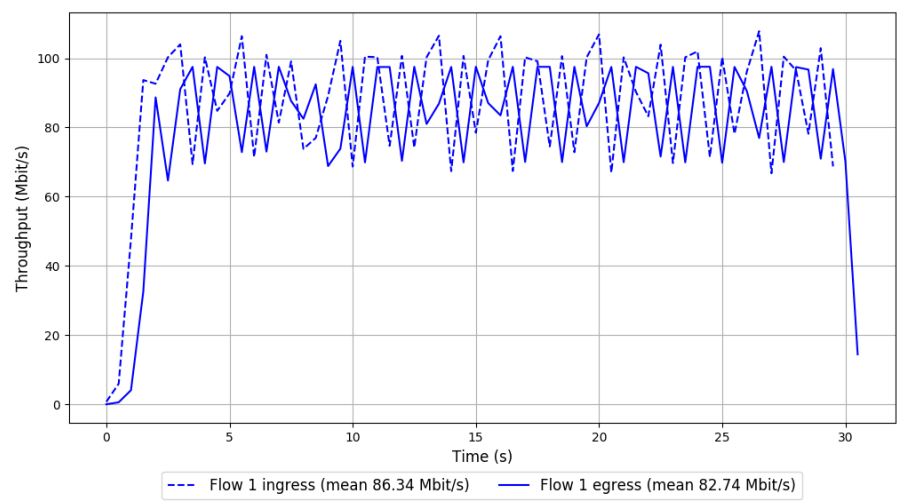
-- Flow 1:

Average throughput: 82.74 Mbit/s

95th percentile per-packet one-way delay: 117.822 ms

Loss rate: 4.16%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-24 07:41:17

End at: 2018-07-24 07:41:47

Local clock offset: -7.124 ms

Remote clock offset: 3.604 ms

Below is generated by plot.py at 2018-07-24 10:03:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.93 Mbit/s

95th percentile per-packet one-way delay: 112.048 ms

Loss rate: 3.95%

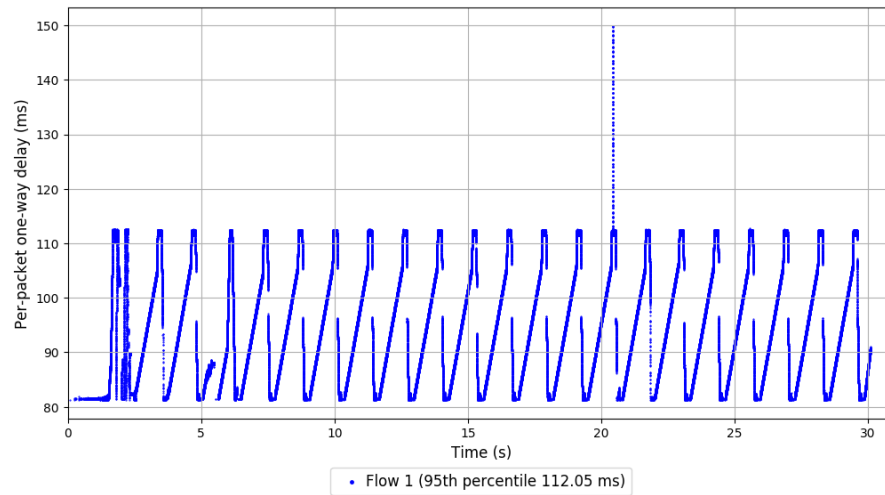
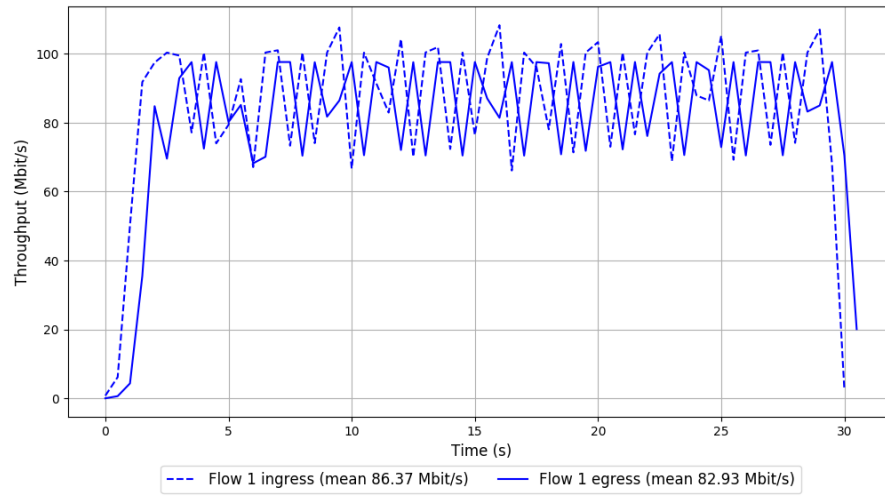
-- Flow 1:

Average throughput: 82.93 Mbit/s

95th percentile per-packet one-way delay: 112.048 ms

Loss rate: 3.95%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-24 08:01:10

End at: 2018-07-24 08:01:40

Local clock offset: -7.974 ms

Remote clock offset: 4.892 ms

Below is generated by plot.py at 2018-07-24 10:03:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.97 Mbit/s

95th percentile per-packet one-way delay: 111.029 ms

Loss rate: 3.94%

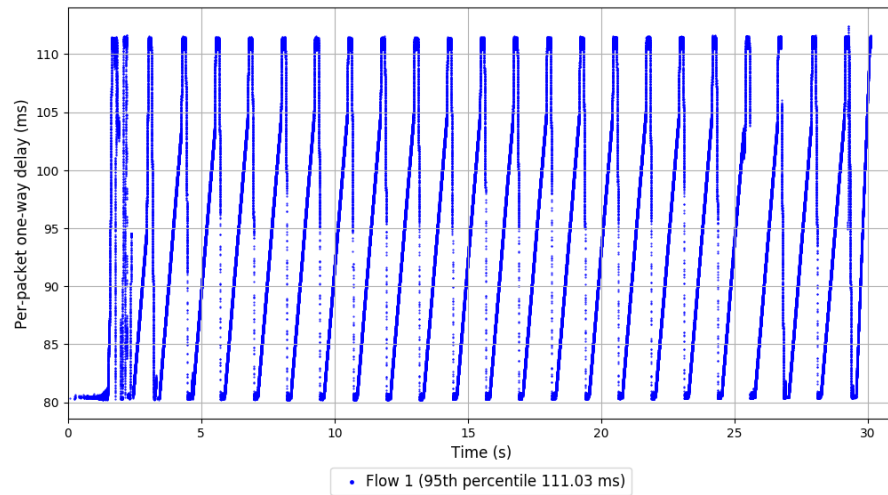
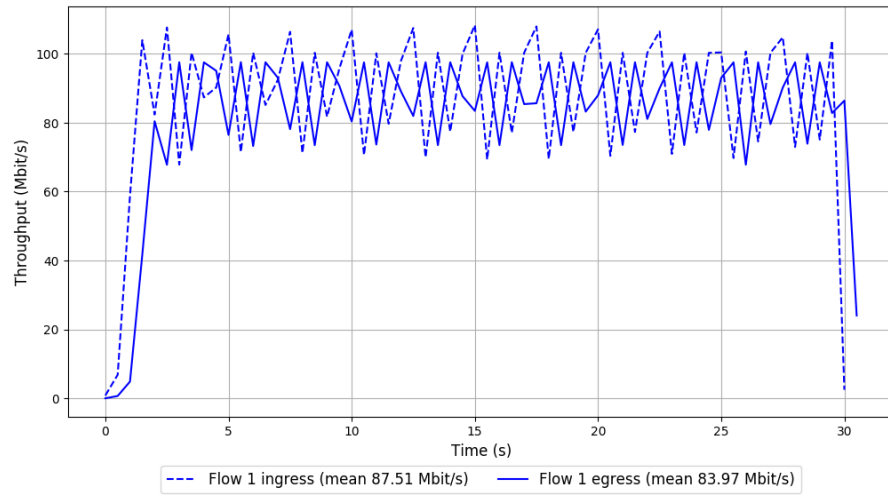
-- Flow 1:

Average throughput: 83.97 Mbit/s

95th percentile per-packet one-way delay: 111.029 ms

Loss rate: 3.94%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-24 08:21:04

End at: 2018-07-24 08:21:34

Local clock offset: -5.177 ms

Remote clock offset: 9.093 ms

Below is generated by plot.py at 2018-07-24 10:03:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.42 Mbit/s

95th percentile per-packet one-way delay: 117.370 ms

Loss rate: 4.41%

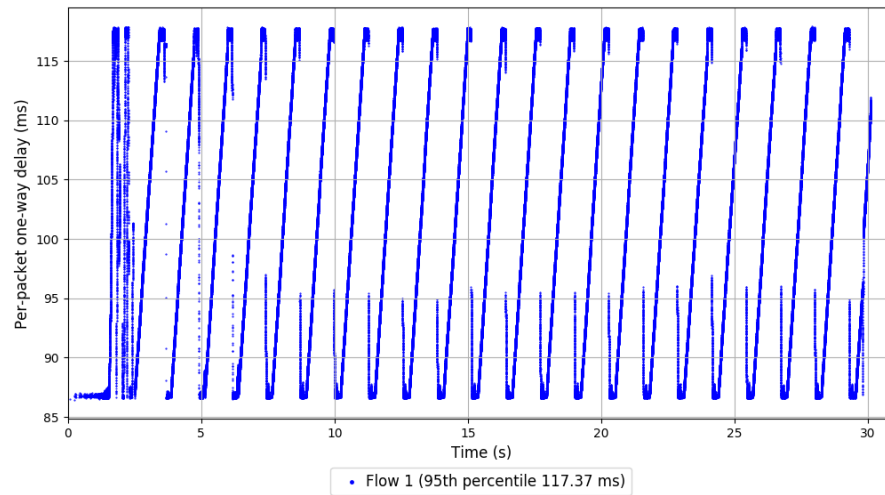
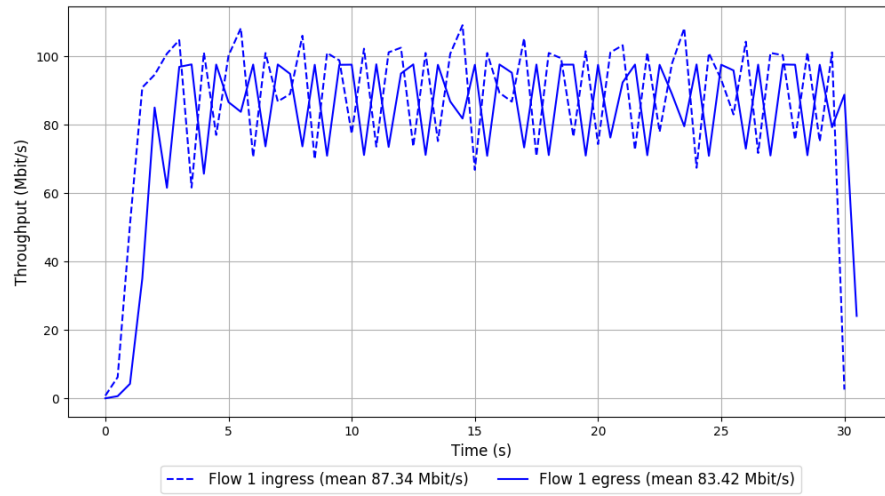
-- Flow 1:

Average throughput: 83.42 Mbit/s

95th percentile per-packet one-way delay: 117.370 ms

Loss rate: 4.41%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-07-24 08:40:59

End at: 2018-07-24 08:41:29

Local clock offset: -3.949 ms

Remote clock offset: 2.001 ms

Below is generated by plot.py at 2018-07-24 10:03:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.66 Mbit/s

95th percentile per-packet one-way delay: 115.984 ms

Loss rate: 3.94%

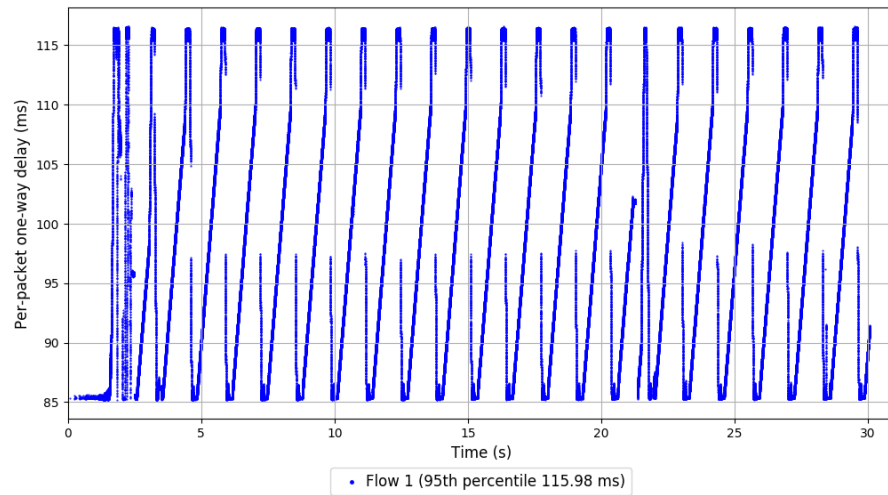
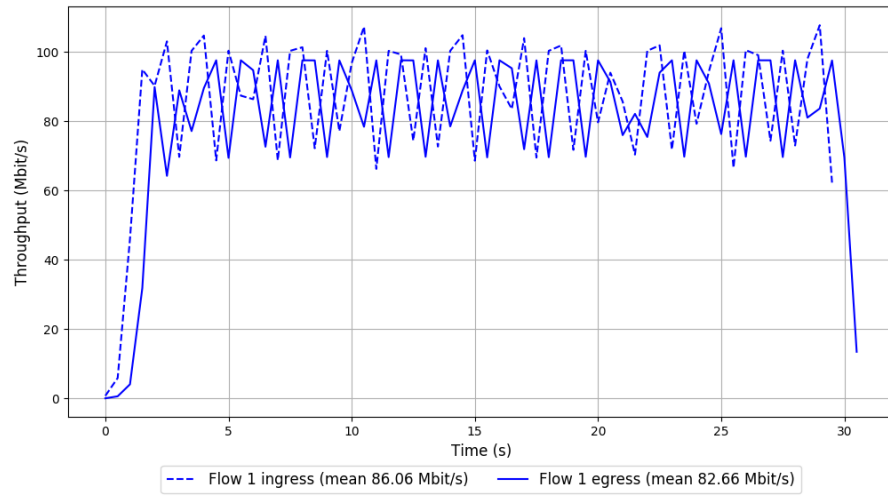
-- Flow 1:

Average throughput: 82.66 Mbit/s

95th percentile per-packet one-way delay: 115.984 ms

Loss rate: 3.94%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-24 09:00:49

End at: 2018-07-24 09:01:19

Local clock offset: -3.761 ms

Remote clock offset: 3.859 ms

Below is generated by plot.py at 2018-07-24 10:03:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.00 Mbit/s

95th percentile per-packet one-way delay: 111.834 ms

Loss rate: 3.88%

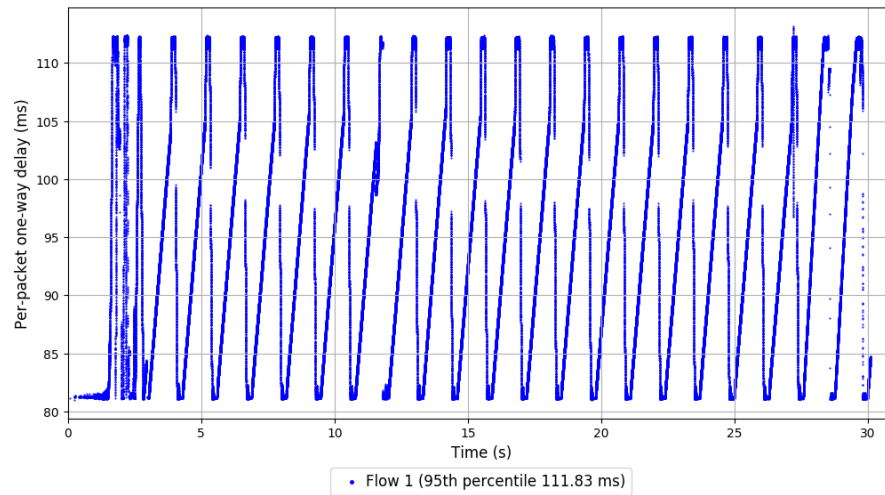
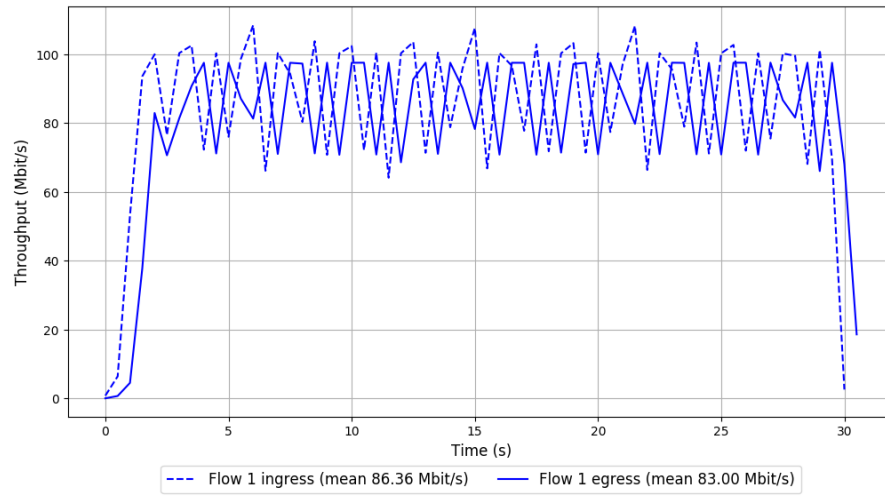
-- Flow 1:

Average throughput: 83.00 Mbit/s

95th percentile per-packet one-way delay: 111.834 ms

Loss rate: 3.88%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-24 09:20:36

End at: 2018-07-24 09:21:06

Local clock offset: -7.995 ms

Remote clock offset: 4.711 ms

Below is generated by plot.py at 2018-07-24 10:03:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.00 Mbit/s

95th percentile per-packet one-way delay: 115.813 ms

Loss rate: 3.98%

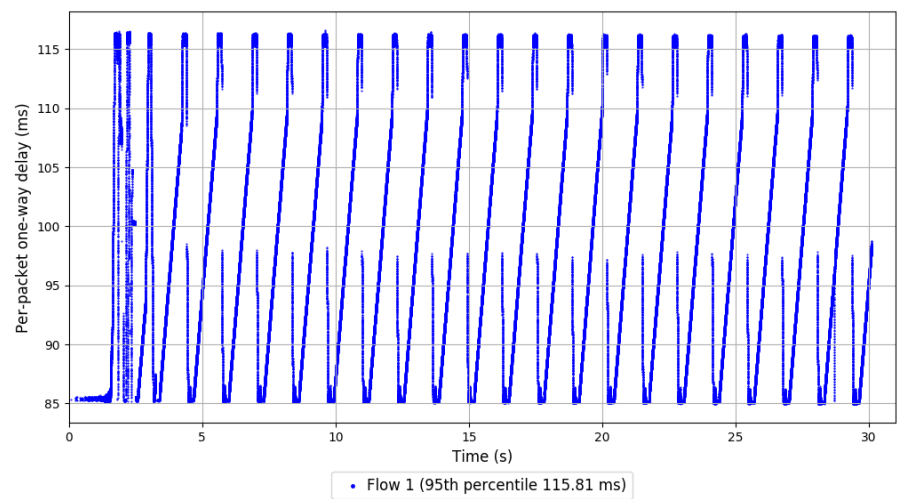
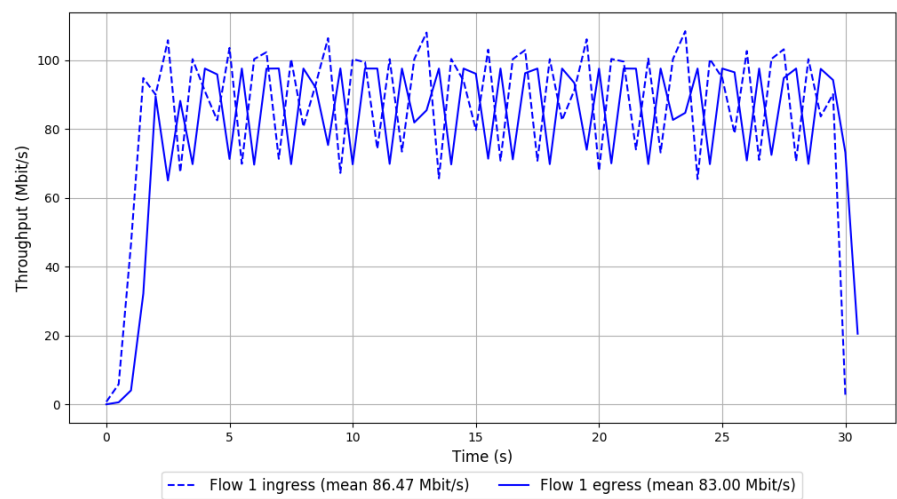
-- Flow 1:

Average throughput: 83.00 Mbit/s

95th percentile per-packet one-way delay: 115.813 ms

Loss rate: 3.98%

Run 9: Report of TCP BBR — Data Link

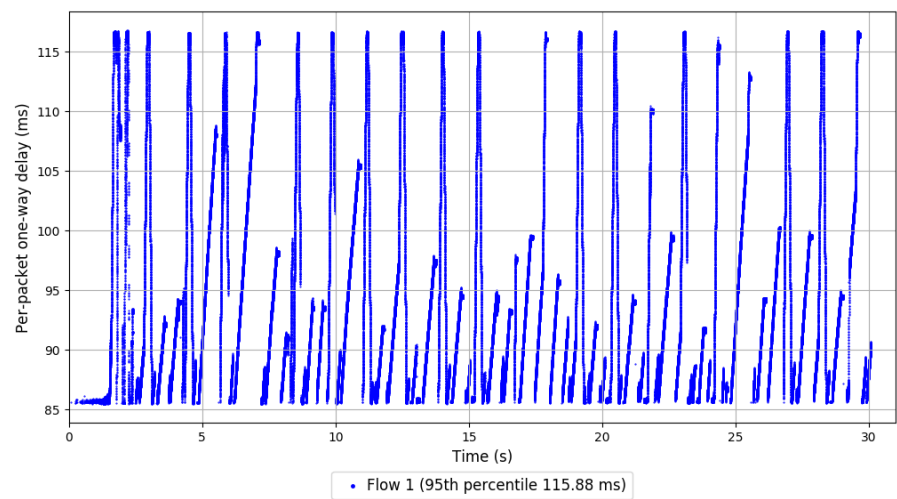
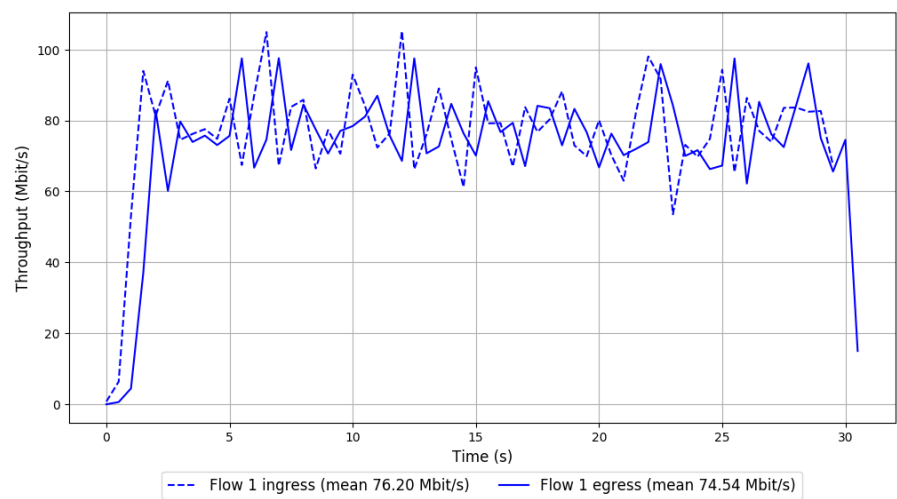


Run 10: Statistics of TCP BBR

Start at: 2018-07-24 09:40:29
End at: 2018-07-24 09:40:59
Local clock offset: -4.599 ms
Remote clock offset: 12.306 ms

Below is generated by plot.py at 2018-07-24 10:03:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.54 Mbit/s
95th percentile per-packet one-way delay: 115.880 ms
Loss rate: 2.17%
-- Flow 1:
Average throughput: 74.54 Mbit/s
95th percentile per-packet one-way delay: 115.880 ms
Loss rate: 2.17%

Run 10: Report of TCP BBR — Data Link

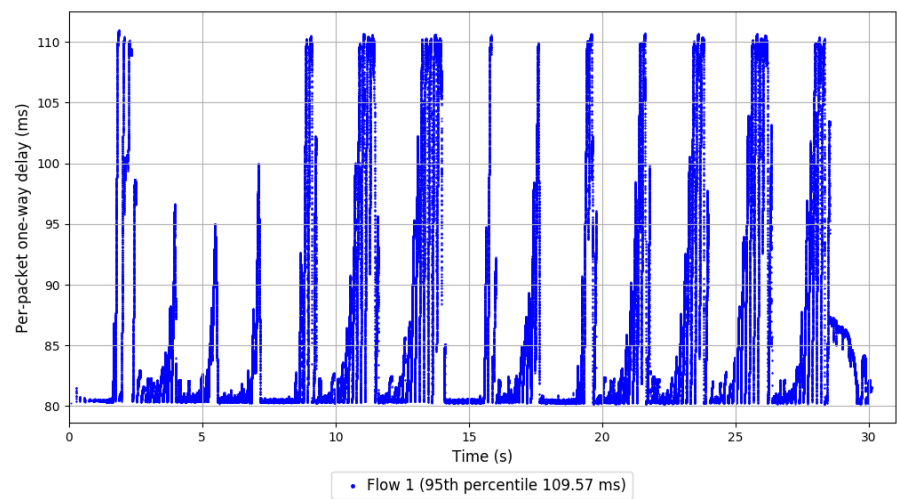
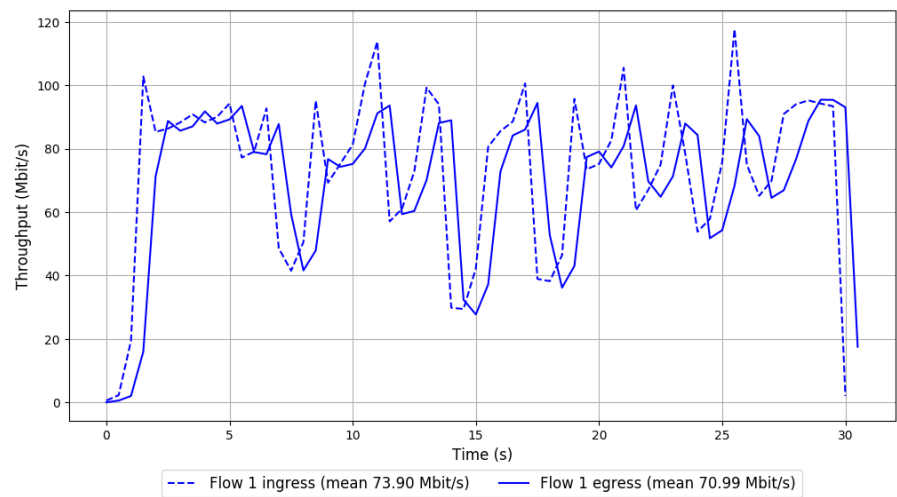


Run 1: Statistics of Copa

Start at: 2018-07-24 06:49:41
End at: 2018-07-24 06:50:11
Local clock offset: -15.828 ms
Remote clock offset: 12.549 ms

Below is generated by plot.py at 2018-07-24 10:04:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.99 Mbit/s
95th percentile per-packet one-way delay: 109.567 ms
Loss rate: 3.94%
-- Flow 1:
Average throughput: 70.99 Mbit/s
95th percentile per-packet one-way delay: 109.567 ms
Loss rate: 3.94%

Run 1: Report of Copa — Data Link

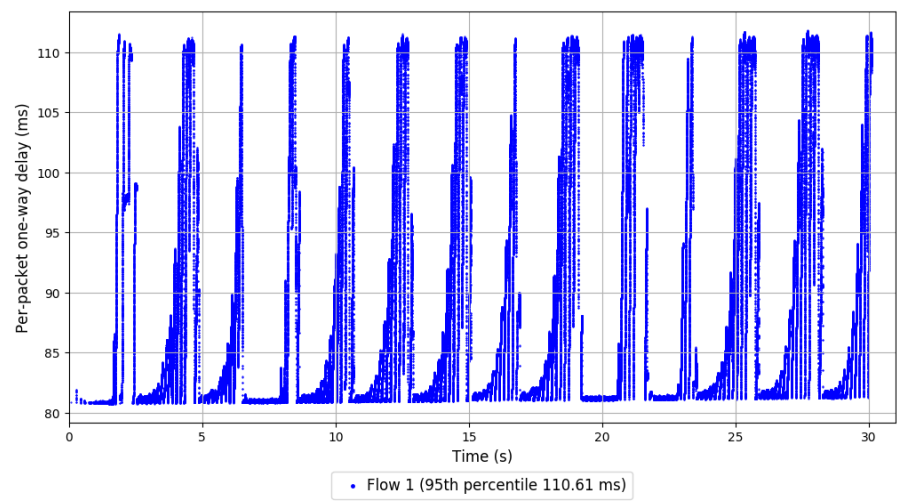
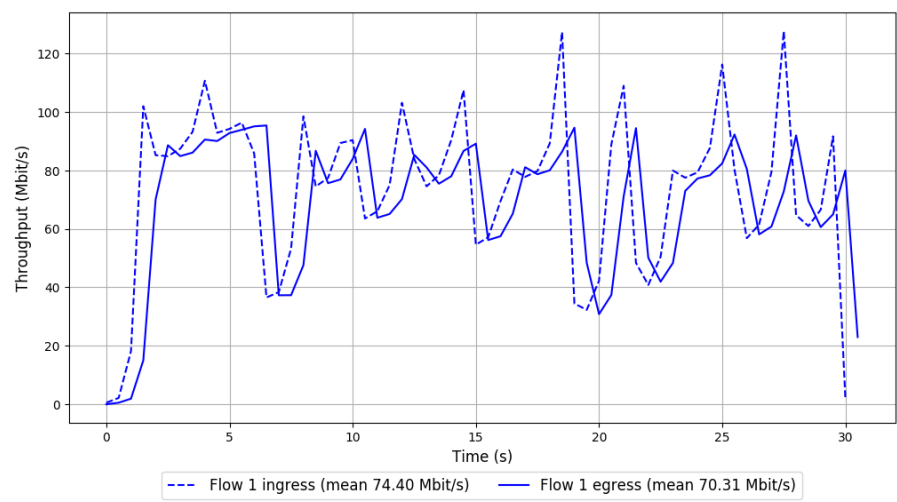


Run 2: Statistics of Copa

Start at: 2018-07-24 07:09:37
End at: 2018-07-24 07:10:07
Local clock offset: -11.339 ms
Remote clock offset: 7.28 ms

Below is generated by plot.py at 2018-07-24 10:04:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.31 Mbit/s
95th percentile per-packet one-way delay: 110.609 ms
Loss rate: 5.40%
-- Flow 1:
Average throughput: 70.31 Mbit/s
95th percentile per-packet one-way delay: 110.609 ms
Loss rate: 5.40%

Run 2: Report of Copa — Data Link

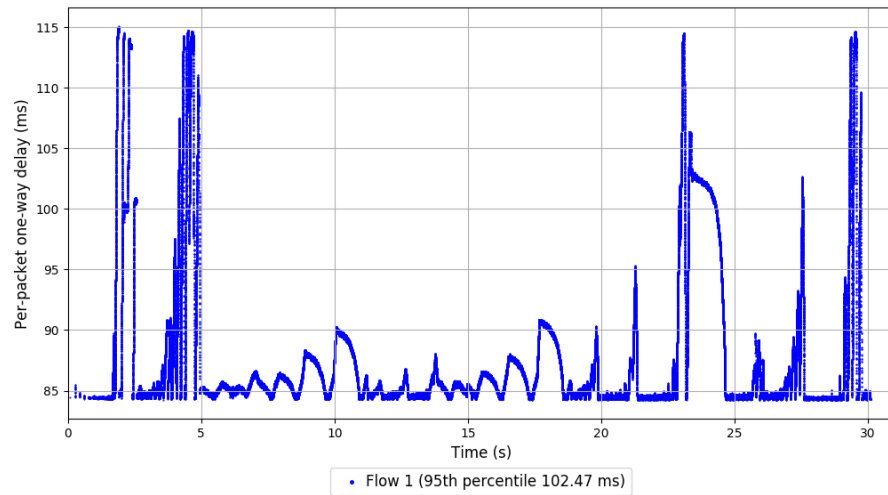
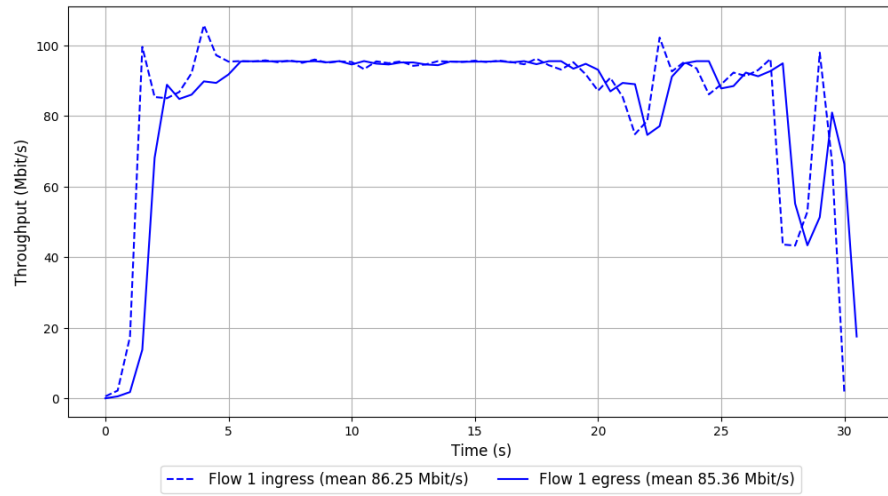


Run 3: Statistics of Copa

Start at: 2018-07-24 07:29:32
End at: 2018-07-24 07:30:02
Local clock offset: -10.65 ms
Remote clock offset: 7.042 ms

Below is generated by plot.py at 2018-07-24 10:04:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.36 Mbit/s
95th percentile per-packet one-way delay: 102.466 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 85.36 Mbit/s
95th percentile per-packet one-way delay: 102.466 ms
Loss rate: 1.04%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-07-24 07:49:28

End at: 2018-07-24 07:49:58

Local clock offset: -6.769 ms

Remote clock offset: 9.465 ms

Below is generated by plot.py at 2018-07-24 10:04:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.28 Mbit/s

95th percentile per-packet one-way delay: 114.997 ms

Loss rate: 6.48%

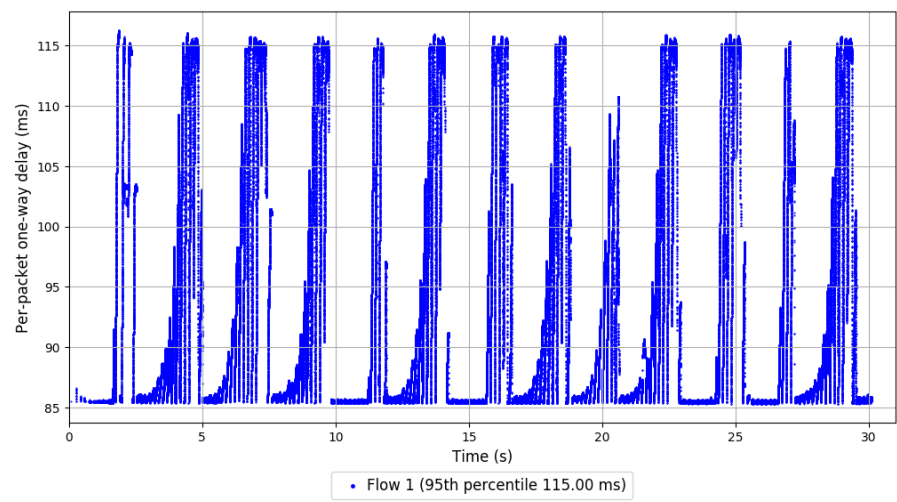
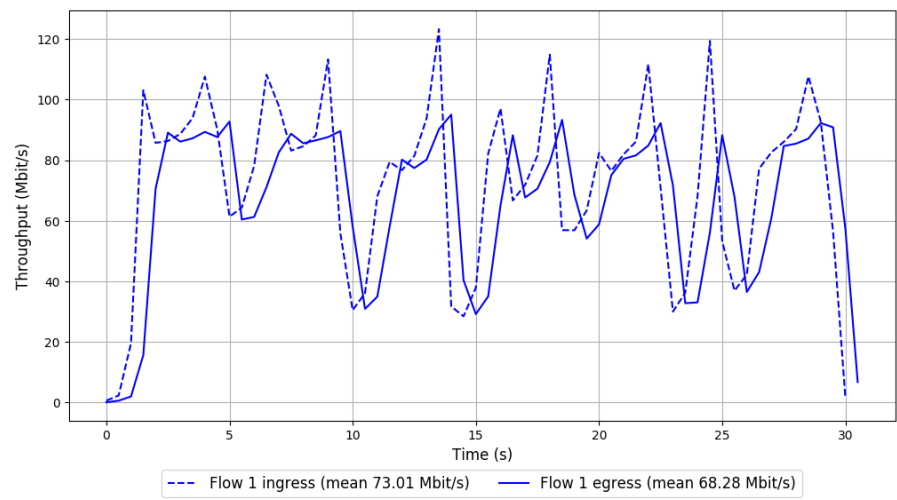
-- Flow 1:

Average throughput: 68.28 Mbit/s

95th percentile per-packet one-way delay: 114.997 ms

Loss rate: 6.48%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-07-24 08:09:19

End at: 2018-07-24 08:09:49

Local clock offset: -5.709 ms

Remote clock offset: 8.833 ms

Below is generated by plot.py at 2018-07-24 10:05:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.82 Mbit/s

95th percentile per-packet one-way delay: 98.516 ms

Loss rate: 1.12%

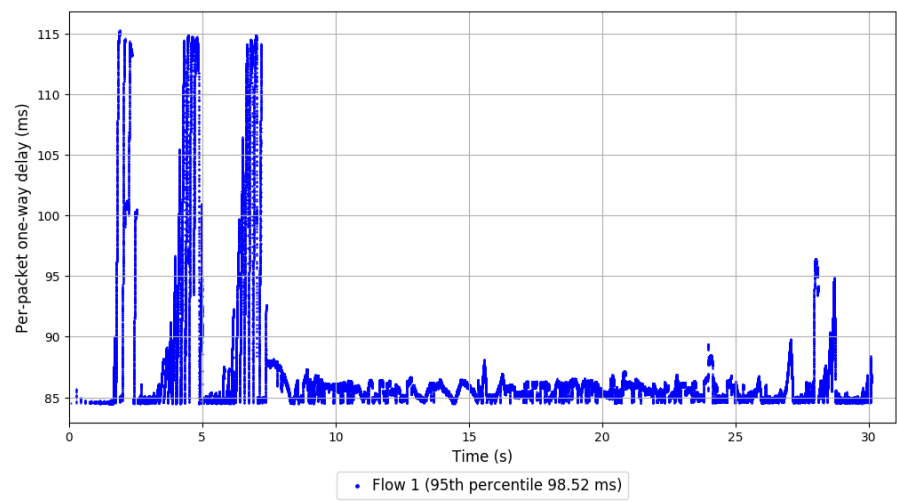
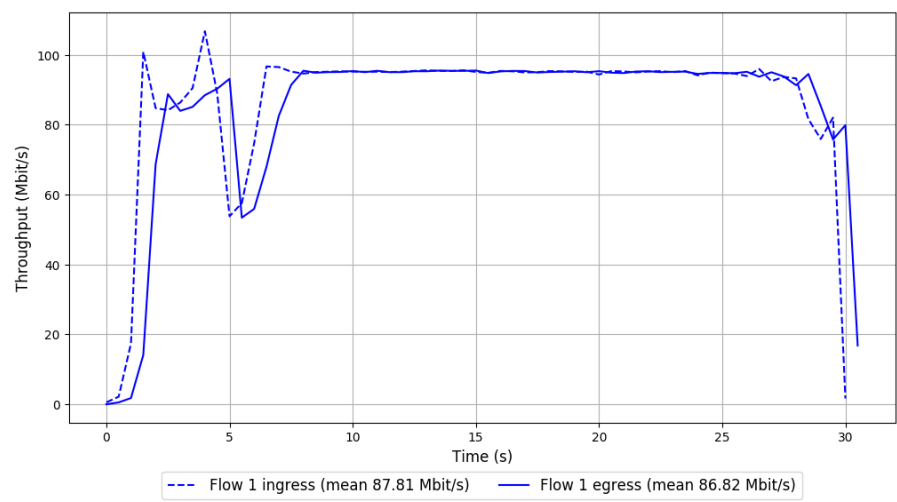
-- Flow 1:

Average throughput: 86.82 Mbit/s

95th percentile per-packet one-way delay: 98.516 ms

Loss rate: 1.12%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-24 08:29:16

End at: 2018-07-24 08:29:46

Local clock offset: -5.693 ms

Remote clock offset: 2.537 ms

Below is generated by plot.py at 2018-07-24 10:05:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.08 Mbit/s

95th percentile per-packet one-way delay: 109.212 ms

Loss rate: 5.33%

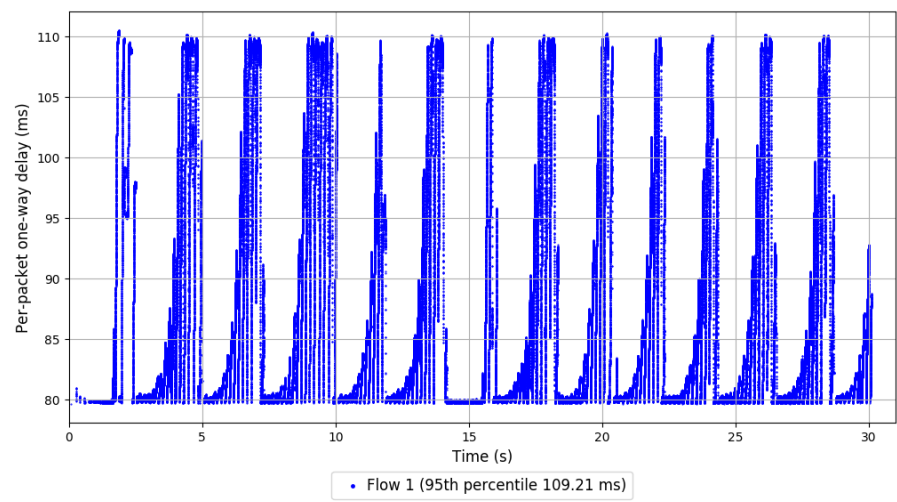
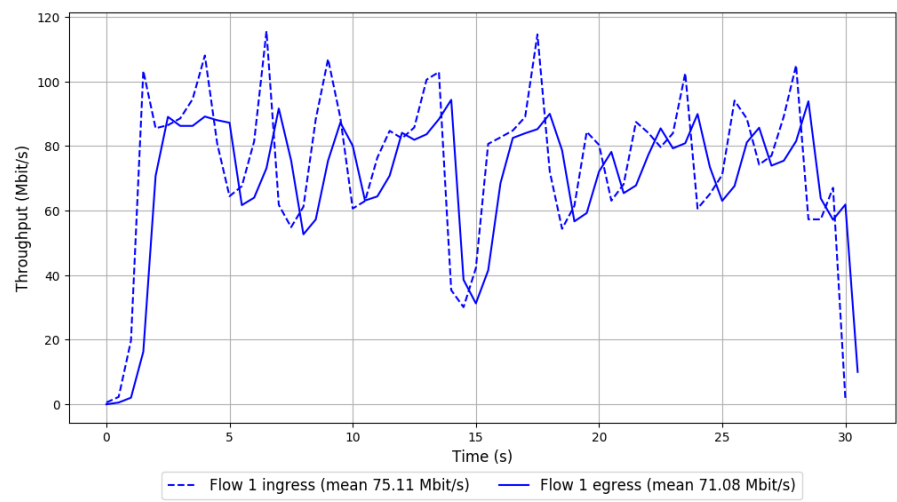
-- Flow 1:

Average throughput: 71.08 Mbit/s

95th percentile per-packet one-way delay: 109.212 ms

Loss rate: 5.33%

Run 6: Report of Copa — Data Link

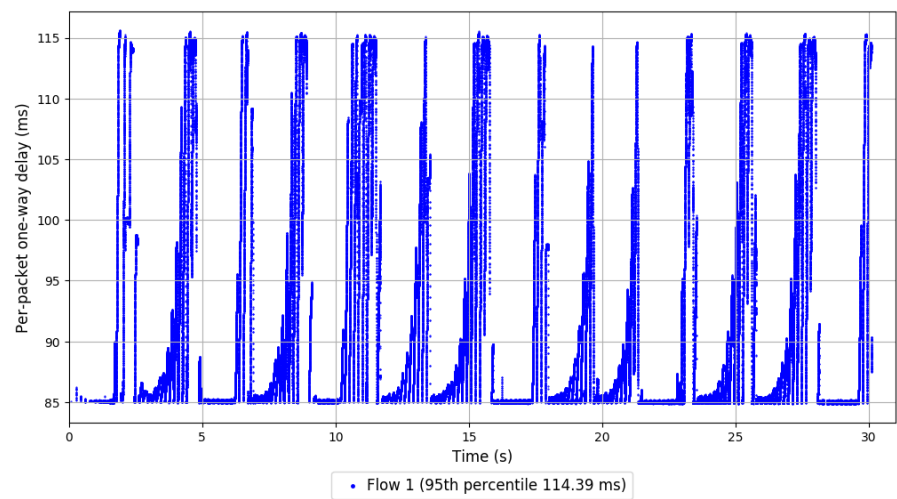
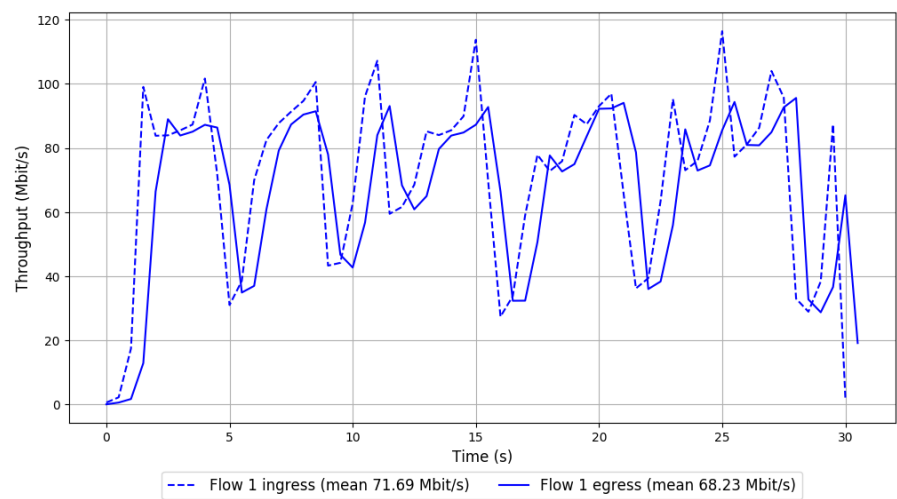


Run 7: Statistics of Copa

Start at: 2018-07-24 08:49:08
End at: 2018-07-24 08:49:38
Local clock offset: -3.662 ms
Remote clock offset: 6.54 ms

Below is generated by plot.py at 2018-07-24 10:05:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.23 Mbit/s
95th percentile per-packet one-way delay: 114.395 ms
Loss rate: 4.82%
-- Flow 1:
Average throughput: 68.23 Mbit/s
95th percentile per-packet one-way delay: 114.395 ms
Loss rate: 4.82%

Run 7: Report of Copa — Data Link

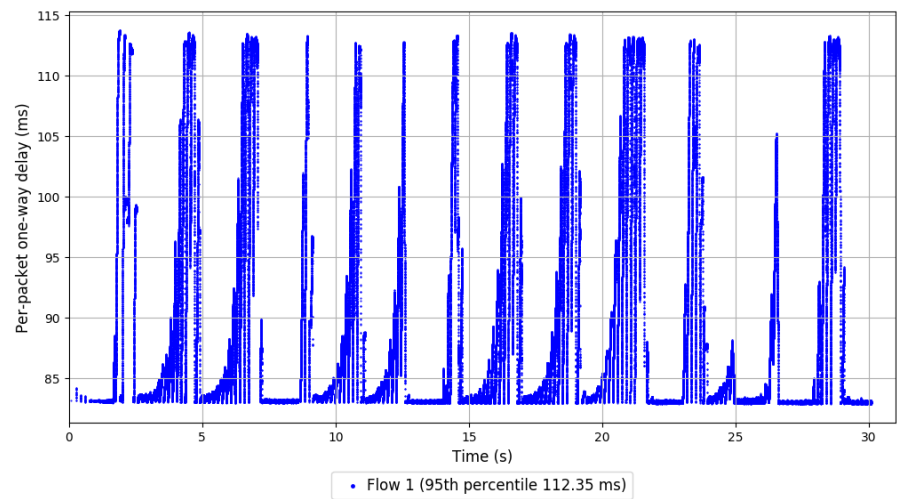
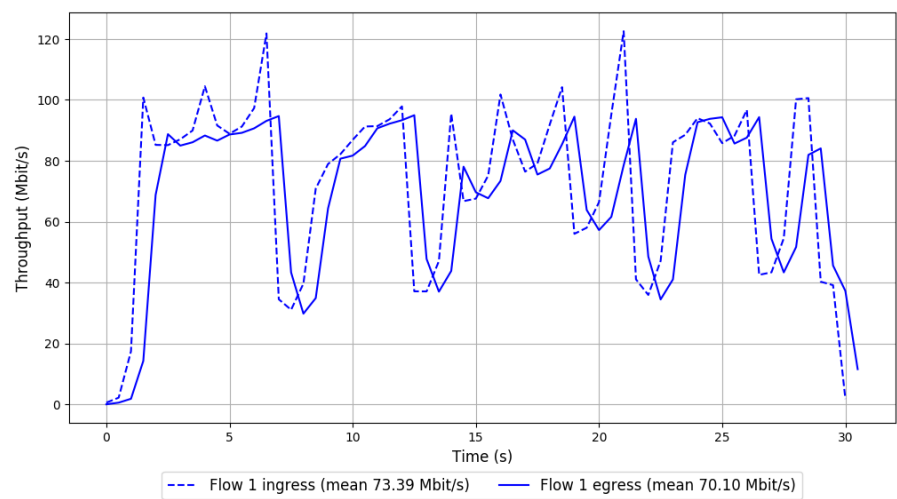


Run 8: Statistics of Copa

Start at: 2018-07-24 09:08:56
End at: 2018-07-24 09:09:26
Local clock offset: -6.093 ms
Remote clock offset: 5.227 ms

Below is generated by plot.py at 2018-07-24 10:05:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.10 Mbit/s
95th percentile per-packet one-way delay: 112.354 ms
Loss rate: 4.50%
-- Flow 1:
Average throughput: 70.10 Mbit/s
95th percentile per-packet one-way delay: 112.354 ms
Loss rate: 4.50%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-07-24 09:28:48

End at: 2018-07-24 09:29:18

Local clock offset: -8.906 ms

Remote clock offset: 7.855 ms

Below is generated by plot.py at 2018-07-24 10:06:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.49 Mbit/s

95th percentile per-packet one-way delay: 112.432 ms

Loss rate: 3.97%

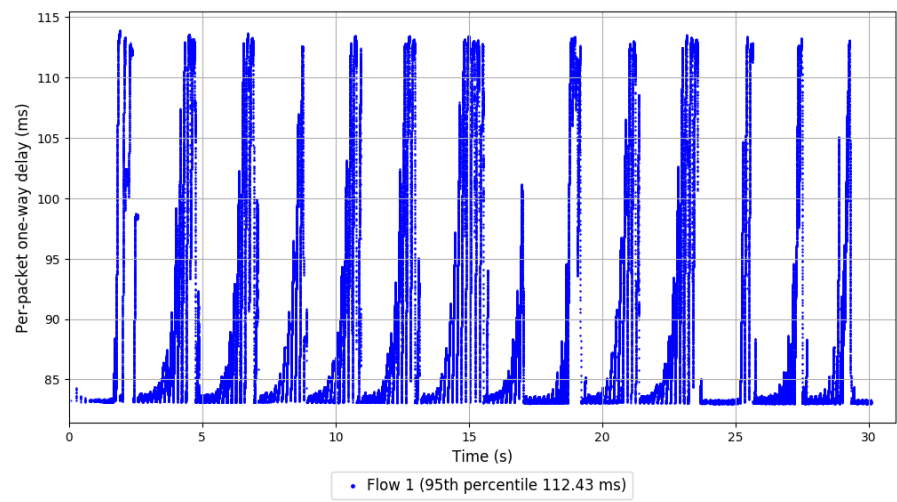
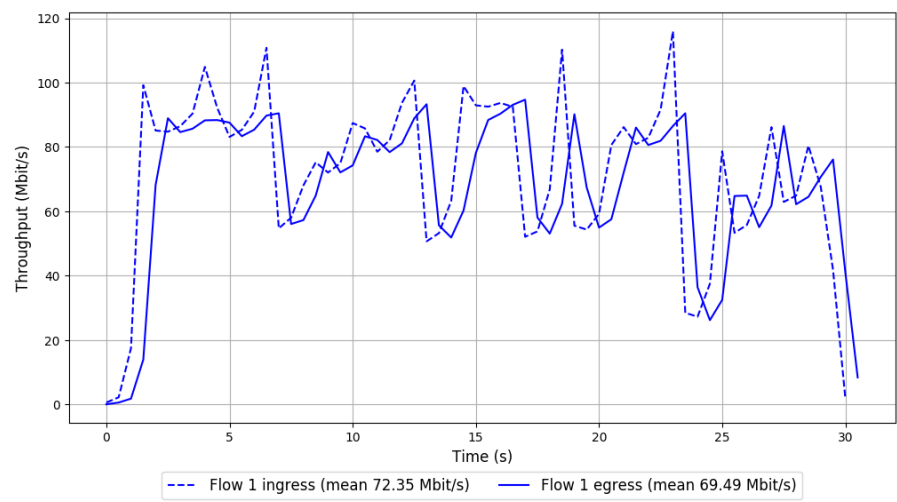
-- Flow 1:

Average throughput: 69.49 Mbit/s

95th percentile per-packet one-way delay: 112.432 ms

Loss rate: 3.97%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-24 09:48:36

End at: 2018-07-24 09:49:06

Local clock offset: -2.98 ms

Remote clock offset: 10.036 ms

Below is generated by plot.py at 2018-07-24 10:06:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.10 Mbit/s

95th percentile per-packet one-way delay: 103.938 ms

Loss rate: 1.52%

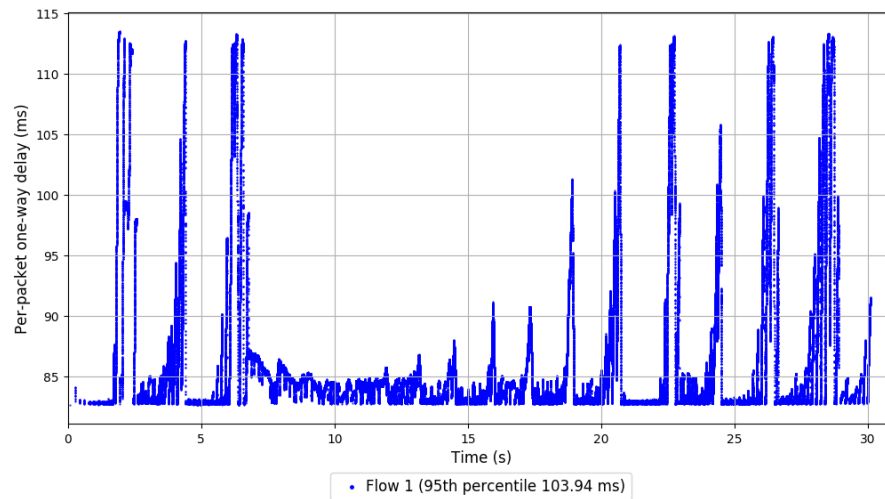
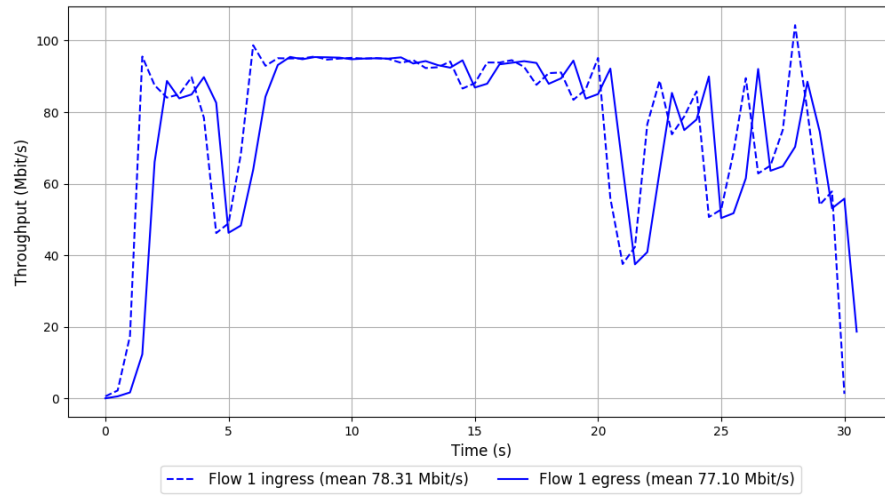
-- Flow 1:

Average throughput: 77.10 Mbit/s

95th percentile per-packet one-way delay: 103.938 ms

Loss rate: 1.52%

Run 10: Report of Copa — Data Link

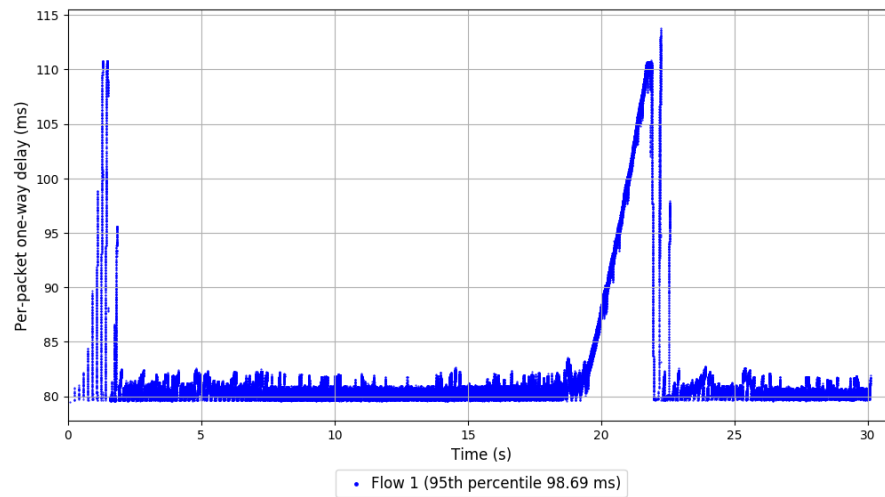
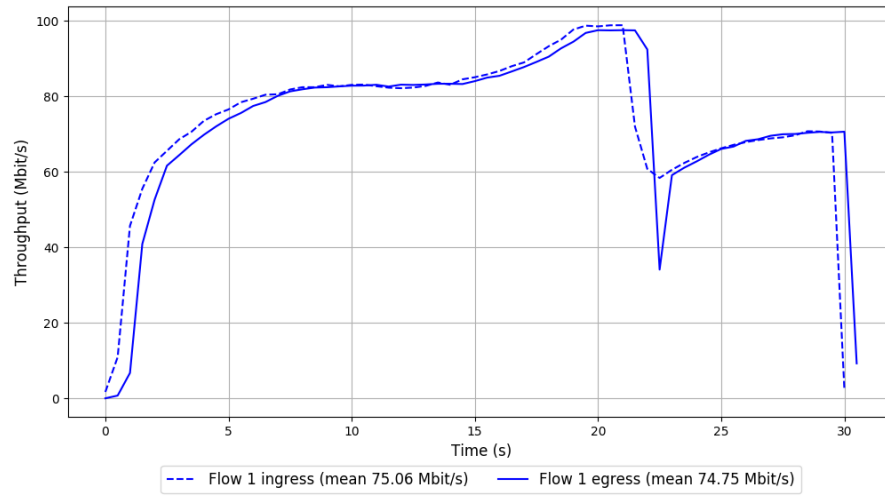


Run 1: Statistics of TCP Cubic

Start at: 2018-07-24 06:42:40
End at: 2018-07-24 06:43:10
Local clock offset: -16.865 ms
Remote clock offset: 9.971 ms

Below is generated by plot.py at 2018-07-24 10:06:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.75 Mbit/s
95th percentile per-packet one-way delay: 98.687 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 74.75 Mbit/s
95th percentile per-packet one-way delay: 98.687 ms
Loss rate: 0.41%

Run 1: Report of TCP Cubic — Data Link

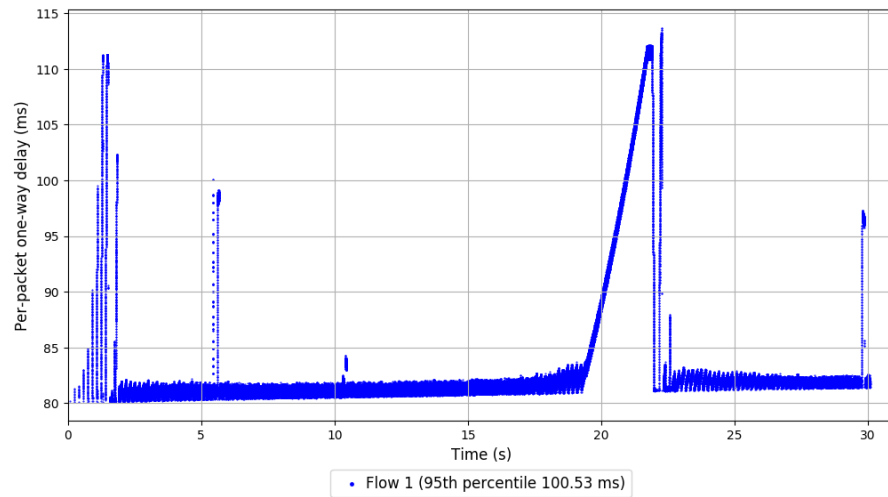
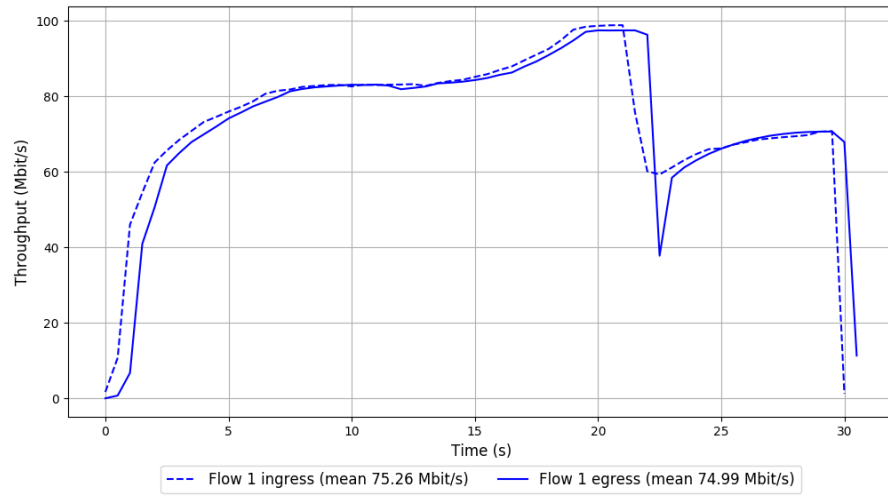


Run 2: Statistics of TCP Cubic

Start at: 2018-07-24 07:02:35
End at: 2018-07-24 07:03:05
Local clock offset: -18.461 ms
Remote clock offset: 13.207 ms

Below is generated by plot.py at 2018-07-24 10:06:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.99 Mbit/s
95th percentile per-packet one-way delay: 100.528 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 74.99 Mbit/s
95th percentile per-packet one-way delay: 100.528 ms
Loss rate: 0.34%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-07-24 07:22:32

End at: 2018-07-24 07:23:03

Local clock offset: -9.506 ms

Remote clock offset: 3.032 ms

Below is generated by plot.py at 2018-07-24 10:06:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.48 Mbit/s

95th percentile per-packet one-way delay: 83.132 ms

Loss rate: 0.49%

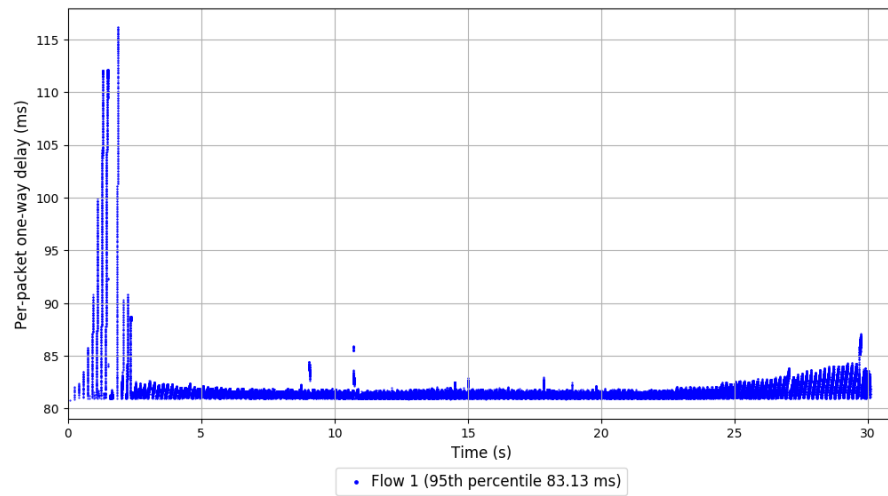
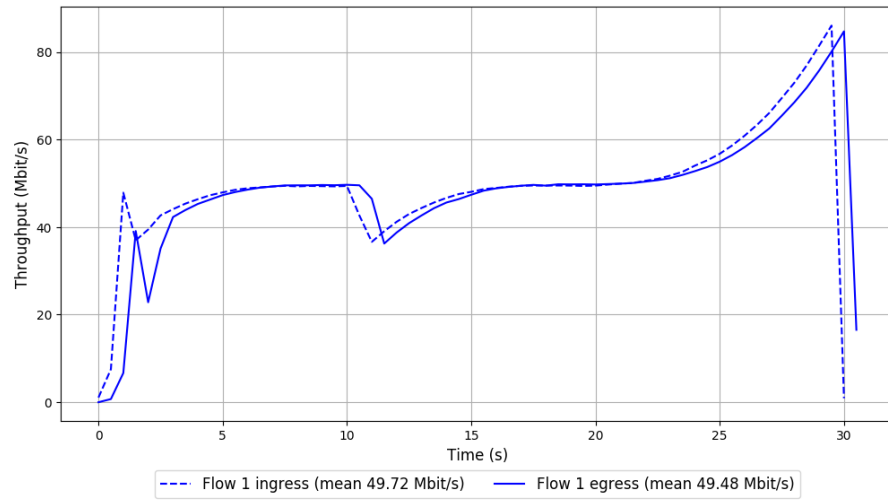
-- Flow 1:

Average throughput: 49.48 Mbit/s

95th percentile per-packet one-way delay: 83.132 ms

Loss rate: 0.49%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-07-24 07:42:28

End at: 2018-07-24 07:42:58

Local clock offset: -6.932 ms

Remote clock offset: 7.836 ms

Below is generated by plot.py at 2018-07-24 10:06:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.08 Mbit/s

95th percentile per-packet one-way delay: 111.023 ms

Loss rate: 0.32%

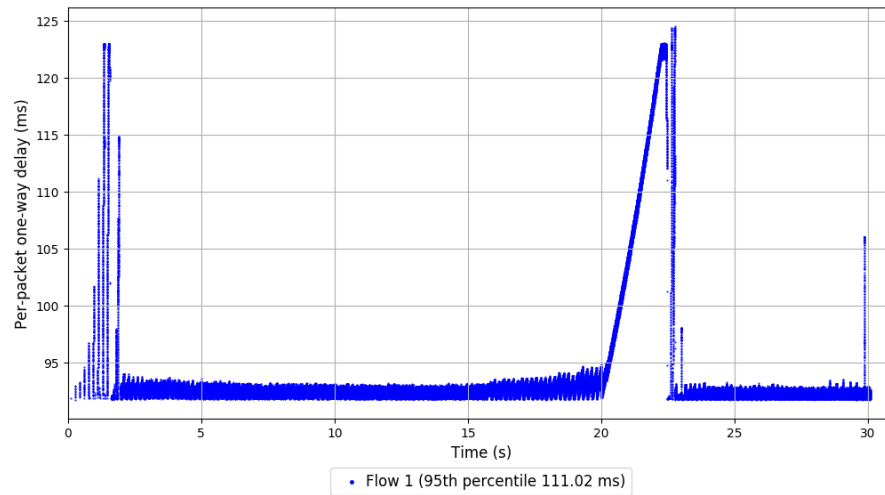
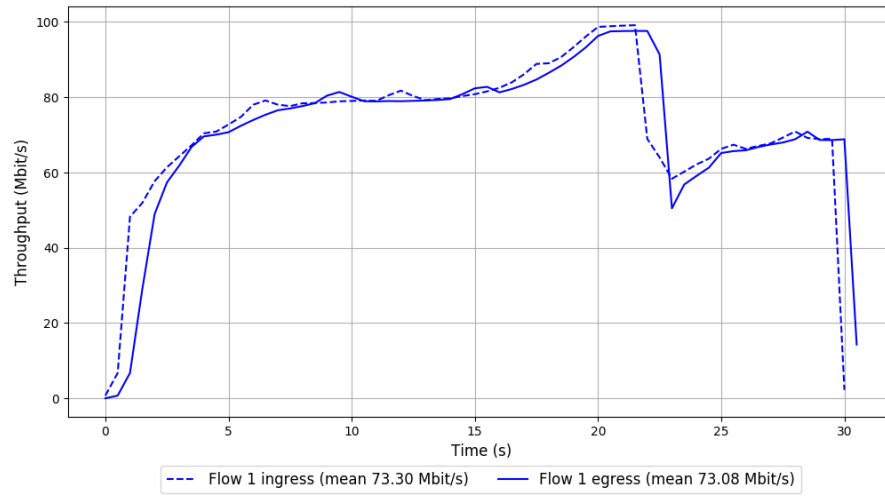
-- Flow 1:

Average throughput: 73.08 Mbit/s

95th percentile per-packet one-way delay: 111.023 ms

Loss rate: 0.32%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-07-24 08:02:21

End at: 2018-07-24 08:02:51

Local clock offset: -7.789 ms

Remote clock offset: 7.737 ms

Below is generated by plot.py at 2018-07-24 10:06:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.51 Mbit/s

95th percentile per-packet one-way delay: 104.220 ms

Loss rate: 0.66%

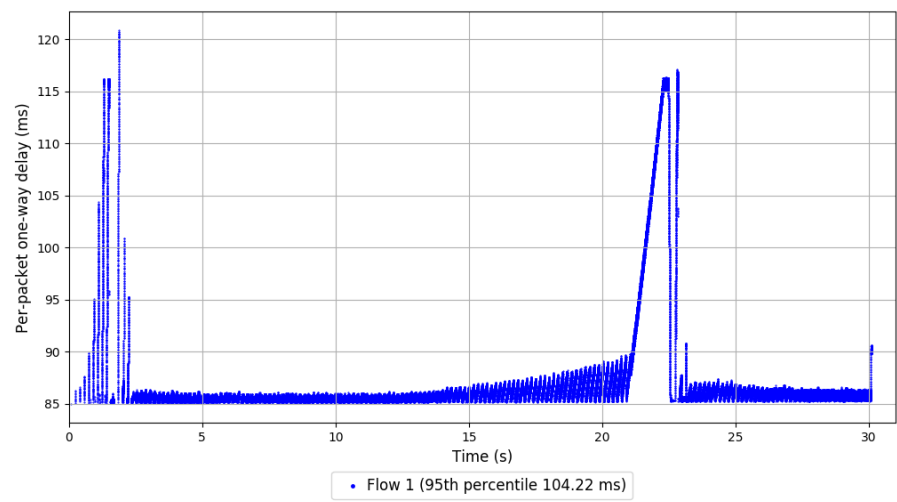
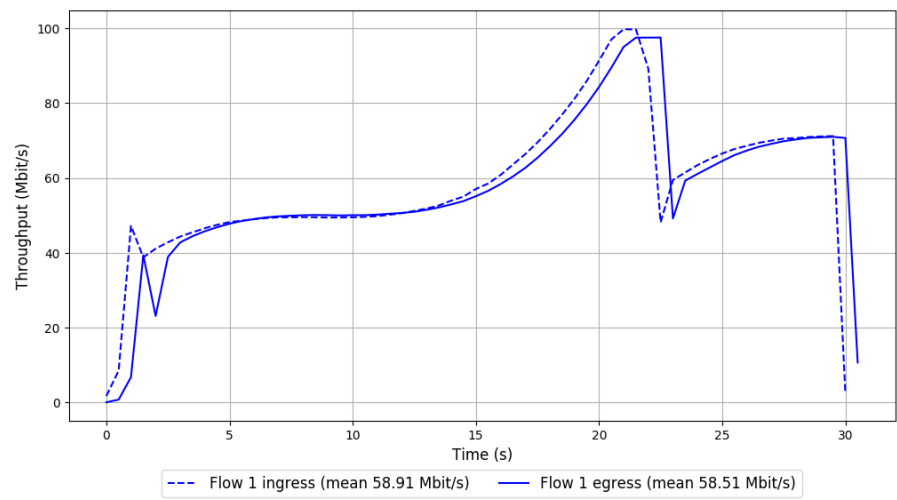
-- Flow 1:

Average throughput: 58.51 Mbit/s

95th percentile per-packet one-way delay: 104.220 ms

Loss rate: 0.66%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-07-24 08:22:16

End at: 2018-07-24 08:22:46

Local clock offset: -5.208 ms

Remote clock offset: 2.75 ms

Below is generated by plot.py at 2018-07-24 10:06:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.02 Mbit/s

95th percentile per-packet one-way delay: 98.612 ms

Loss rate: 0.35%

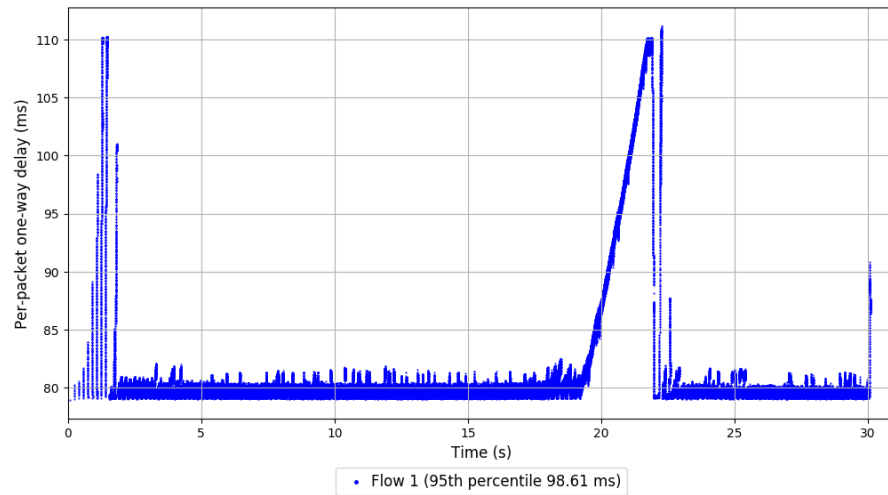
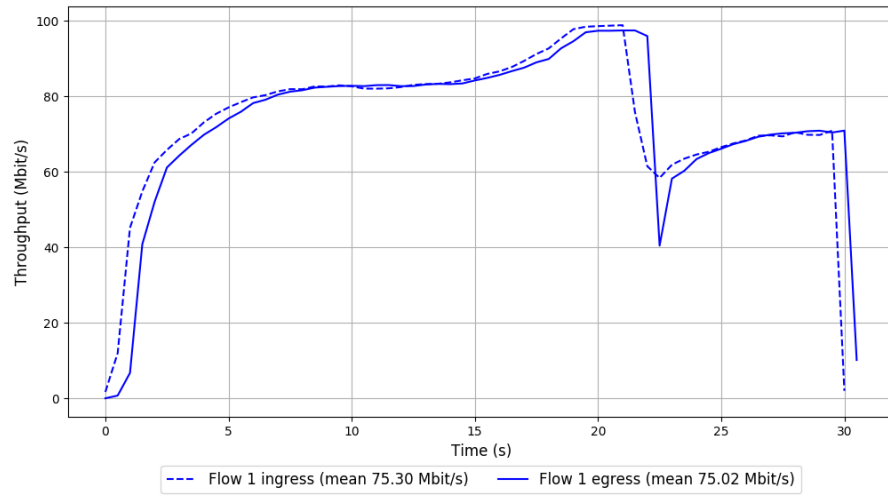
-- Flow 1:

Average throughput: 75.02 Mbit/s

95th percentile per-packet one-way delay: 98.612 ms

Loss rate: 0.35%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-07-24 08:42:10

End at: 2018-07-24 08:42:40

Local clock offset: -3.905 ms

Remote clock offset: 6.899 ms

Below is generated by plot.py at 2018-07-24 10:06:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.21 Mbit/s

95th percentile per-packet one-way delay: 110.944 ms

Loss rate: 0.67%

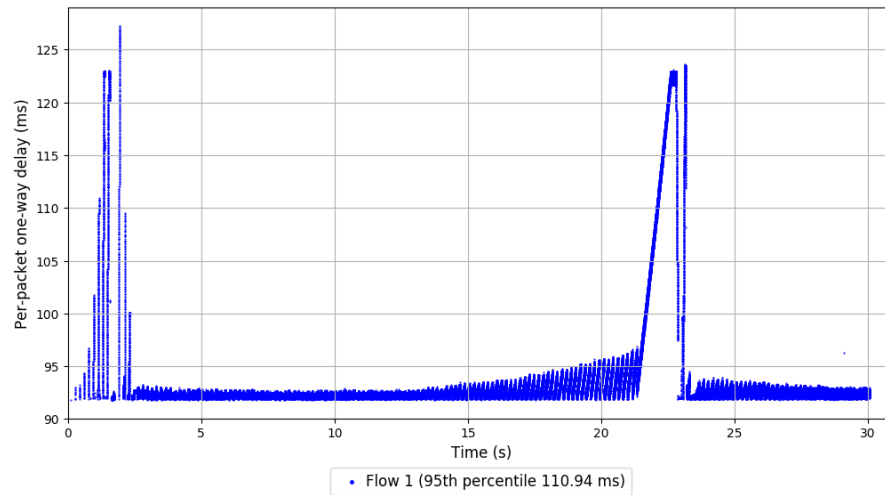
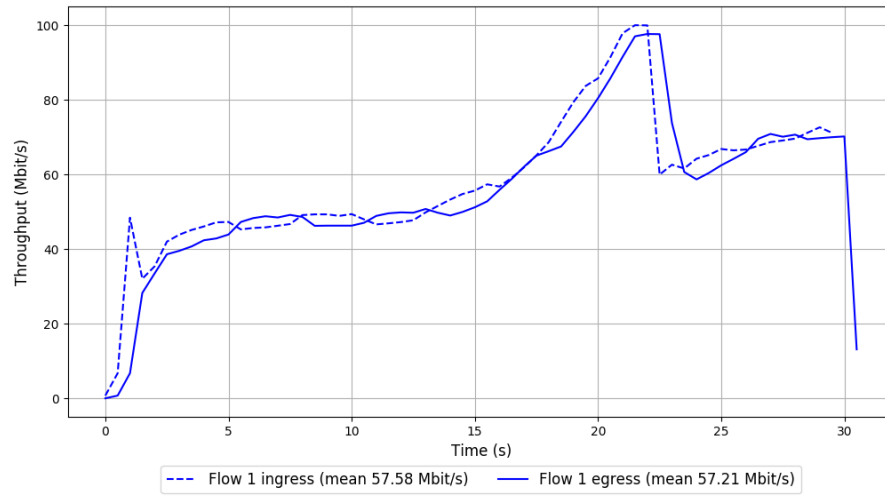
-- Flow 1:

Average throughput: 57.21 Mbit/s

95th percentile per-packet one-way delay: 110.944 ms

Loss rate: 0.67%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-07-24 09:02:00

End at: 2018-07-24 09:02:30

Local clock offset: -3.911 ms

Remote clock offset: 3.735 ms

Below is generated by plot.py at 2018-07-24 10:06:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 17.87 Mbit/s

95th percentile per-packet one-way delay: 86.129 ms

Loss rate: 0.95%

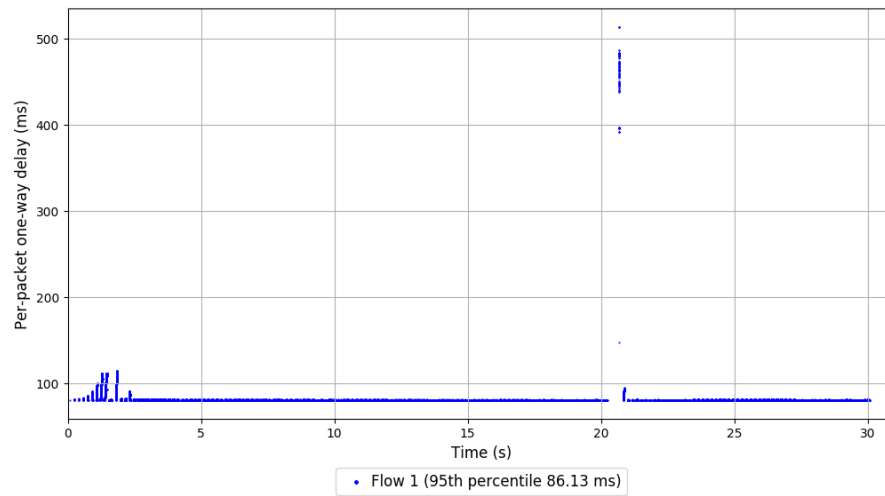
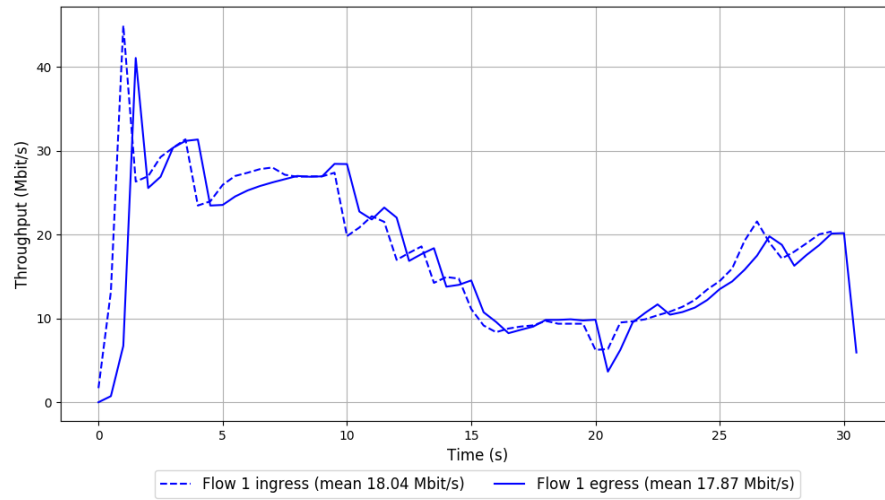
-- Flow 1:

Average throughput: 17.87 Mbit/s

95th percentile per-packet one-way delay: 86.129 ms

Loss rate: 0.95%

Run 8: Report of TCP Cubic — Data Link

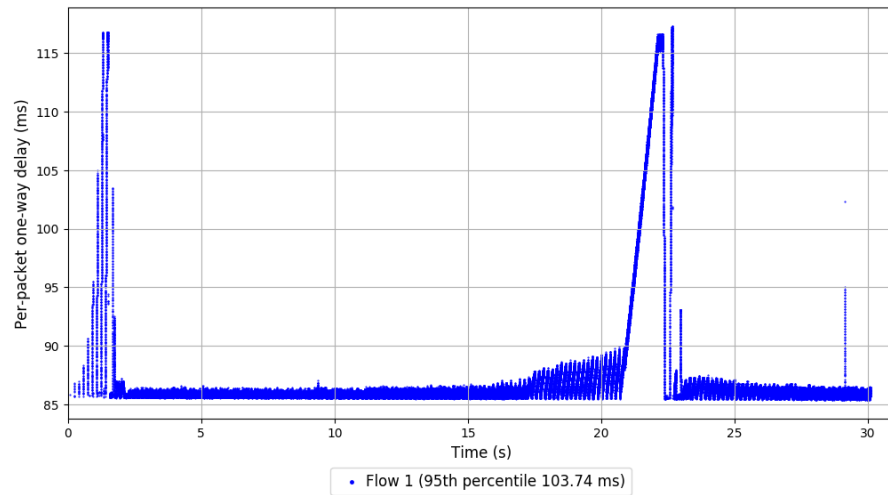
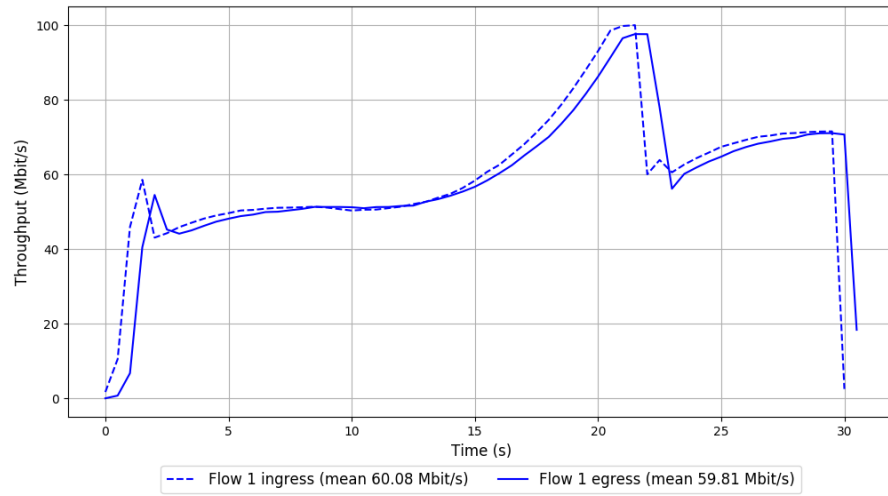


Run 9: Statistics of TCP Cubic

Start at: 2018-07-24 09:21:48
End at: 2018-07-24 09:22:18
Local clock offset: -8.146 ms
Remote clock offset: 11.066 ms

Below is generated by plot.py at 2018-07-24 10:06:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.81 Mbit/s
95th percentile per-packet one-way delay: 103.743 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 59.81 Mbit/s
95th percentile per-packet one-way delay: 103.743 ms
Loss rate: 0.44%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-24 09:41:40

End at: 2018-07-24 09:42:10

Local clock offset: -4.32 ms

Remote clock offset: 9.623 ms

Below is generated by plot.py at 2018-07-24 10:06:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 17.43 Mbit/s

95th percentile per-packet one-way delay: 92.012 ms

Loss rate: 0.62%

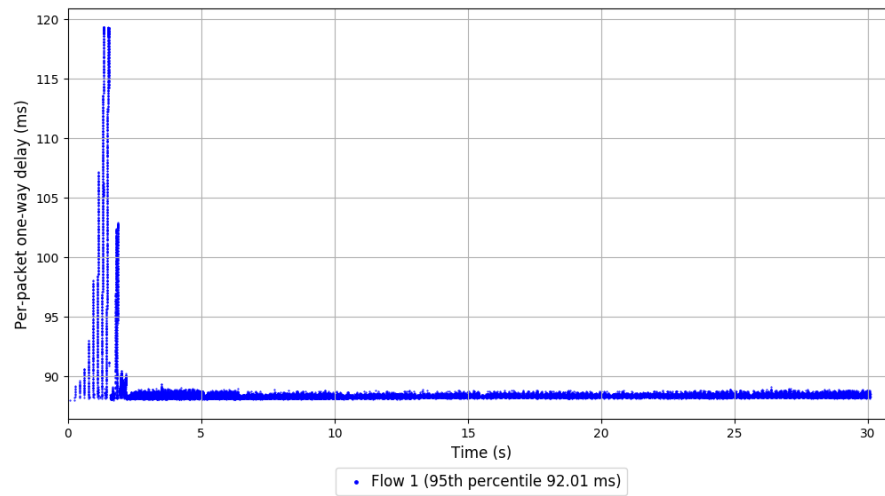
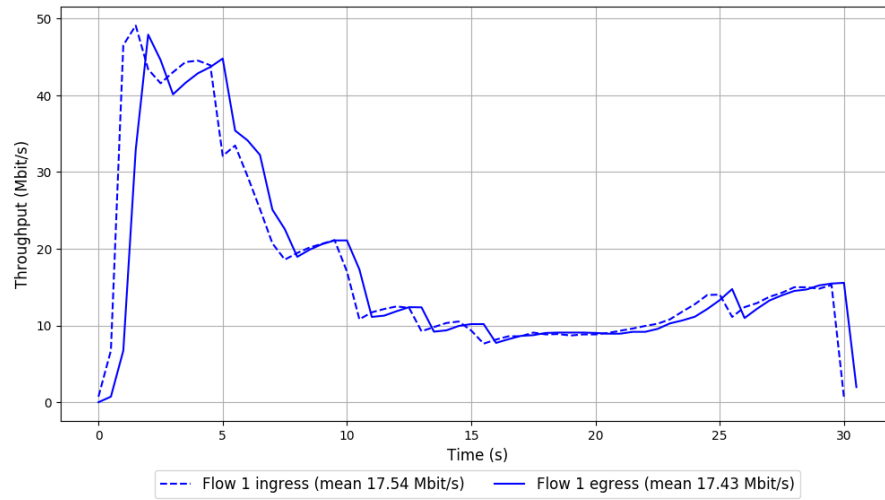
-- Flow 1:

Average throughput: 17.43 Mbit/s

95th percentile per-packet one-way delay: 92.012 ms

Loss rate: 0.62%

Run 10: Report of TCP Cubic — Data Link

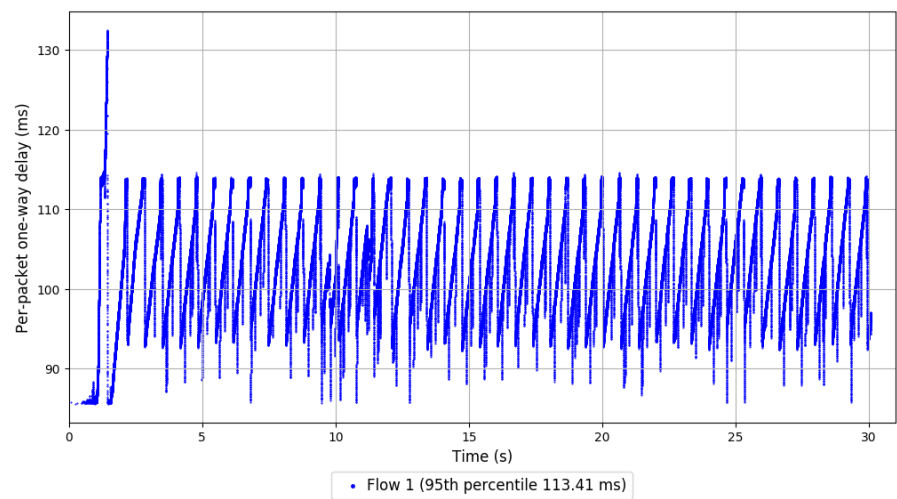
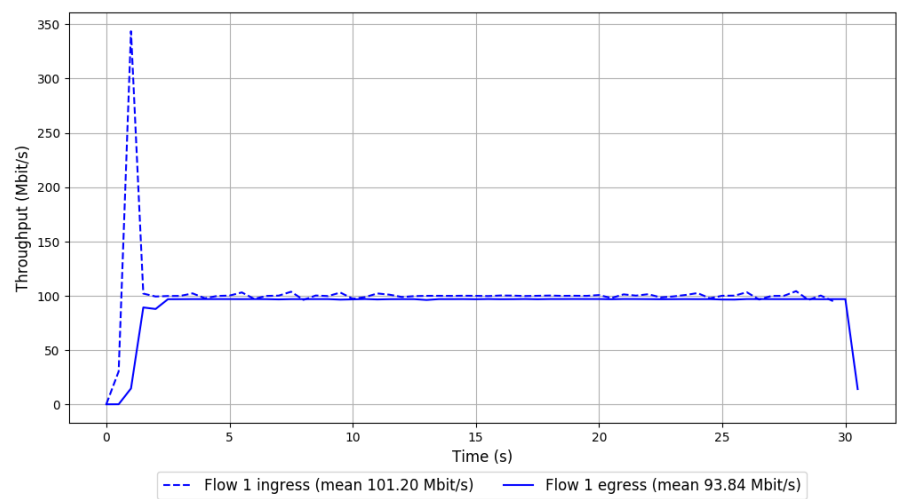


Run 1: Statistics of FillP

Start at: 2018-07-24 06:43:51
End at: 2018-07-24 06:44:21
Local clock offset: -16.439 ms
Remote clock offset: 16.381 ms

Below is generated by plot.py at 2018-07-24 10:07:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.84 Mbit/s
95th percentile per-packet one-way delay: 113.412 ms
Loss rate: 7.24%
-- Flow 1:
Average throughput: 93.84 Mbit/s
95th percentile per-packet one-way delay: 113.412 ms
Loss rate: 7.24%

Run 1: Report of FillP — Data Link

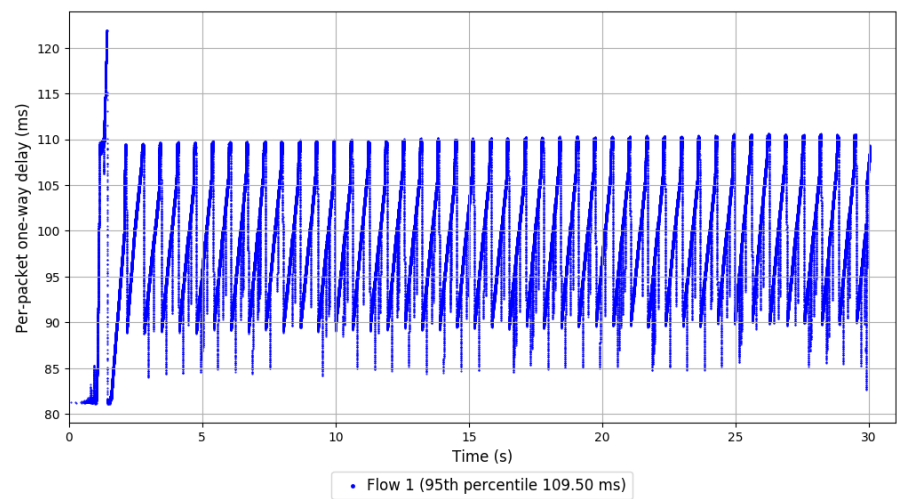
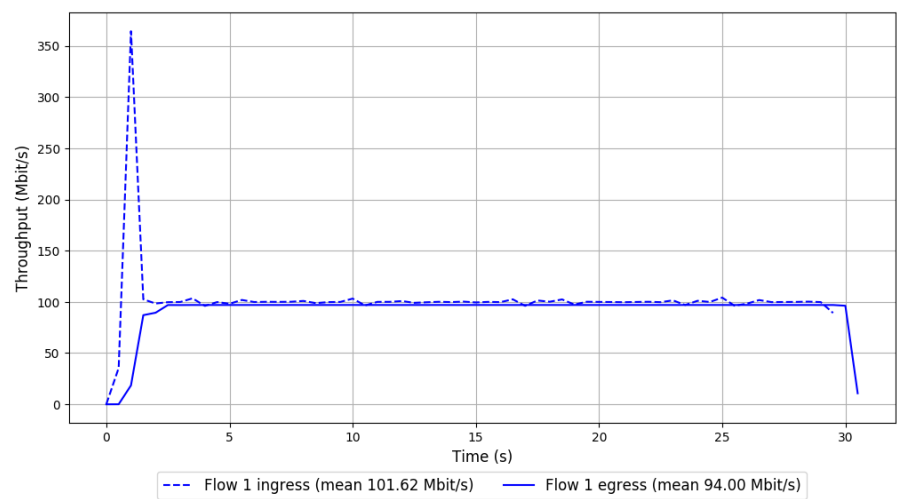


Run 2: Statistics of FillP

Start at: 2018-07-24 07:03:46
End at: 2018-07-24 07:04:16
Local clock offset: -16.446 ms
Remote clock offset: 13.073 ms

Below is generated by plot.py at 2018-07-24 10:07:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.00 Mbit/s
95th percentile per-packet one-way delay: 109.504 ms
Loss rate: 7.40%
-- Flow 1:
Average throughput: 94.00 Mbit/s
95th percentile per-packet one-way delay: 109.504 ms
Loss rate: 7.40%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-07-24 07:23:42

End at: 2018-07-24 07:24:12

Local clock offset: -9.661 ms

Remote clock offset: 3.94 ms

Below is generated by plot.py at 2018-07-24 10:07:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.60 Mbit/s

95th percentile per-packet one-way delay: 115.546 ms

Loss rate: 7.64%

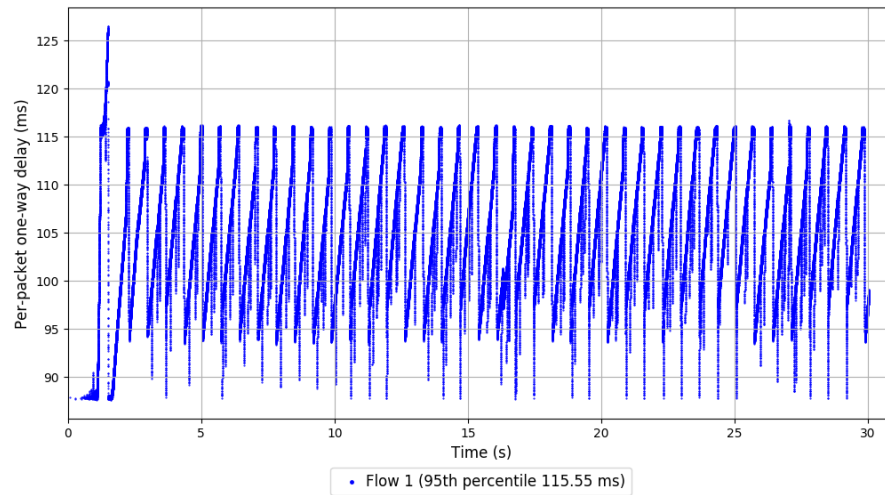
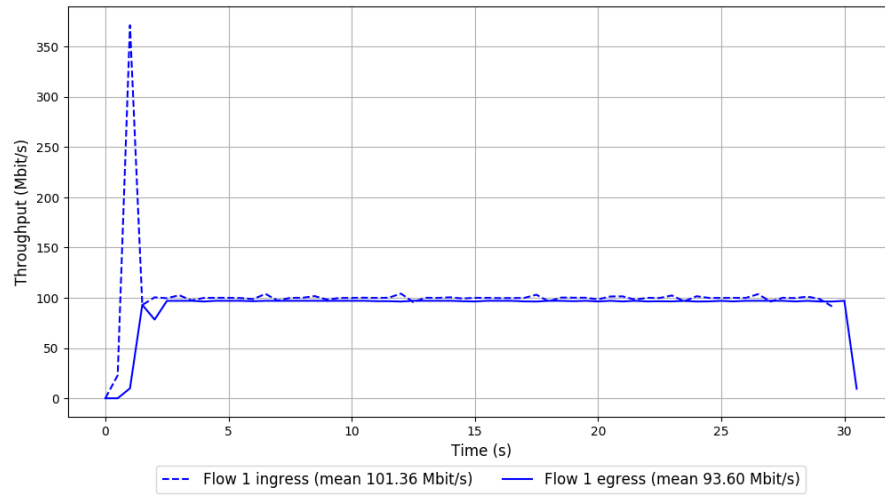
-- Flow 1:

Average throughput: 93.60 Mbit/s

95th percentile per-packet one-way delay: 115.546 ms

Loss rate: 7.64%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-07-24 07:43:39

End at: 2018-07-24 07:44:09

Local clock offset: -6.832 ms

Remote clock offset: 2.883 ms

Below is generated by plot.py at 2018-07-24 10:07:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.87 Mbit/s

95th percentile per-packet one-way delay: 109.095 ms

Loss rate: 7.46%

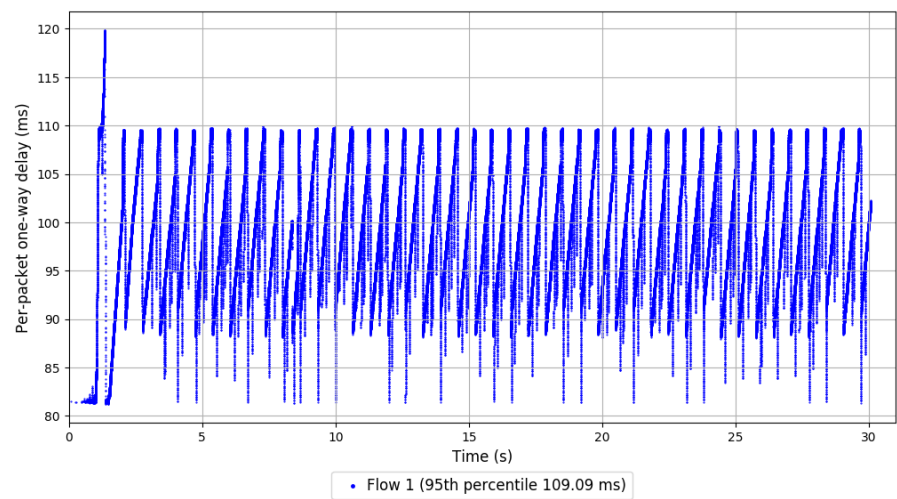
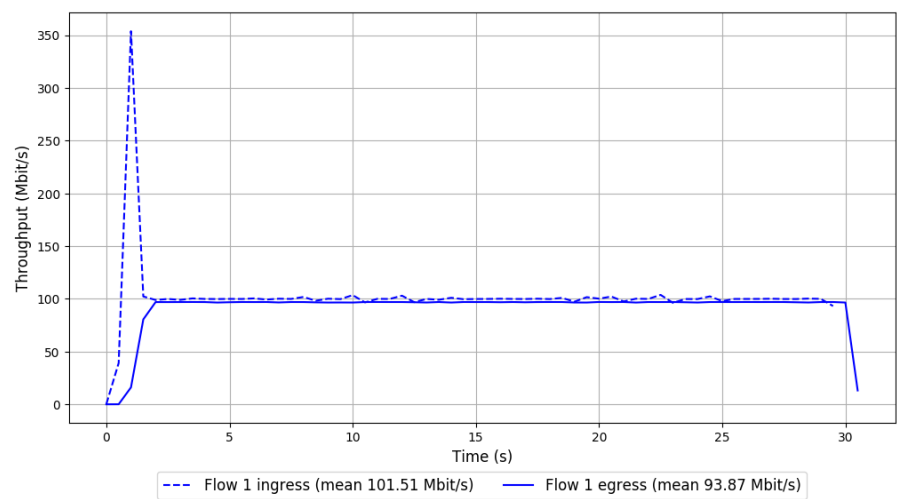
-- Flow 1:

Average throughput: 93.87 Mbit/s

95th percentile per-packet one-way delay: 109.095 ms

Loss rate: 7.46%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-07-24 08:03:31

End at: 2018-07-24 08:04:01

Local clock offset: -7.35 ms

Remote clock offset: 4.904 ms

Below is generated by plot.py at 2018-07-24 10:07:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.78 Mbit/s

95th percentile per-packet one-way delay: 114.342 ms

Loss rate: 7.36%

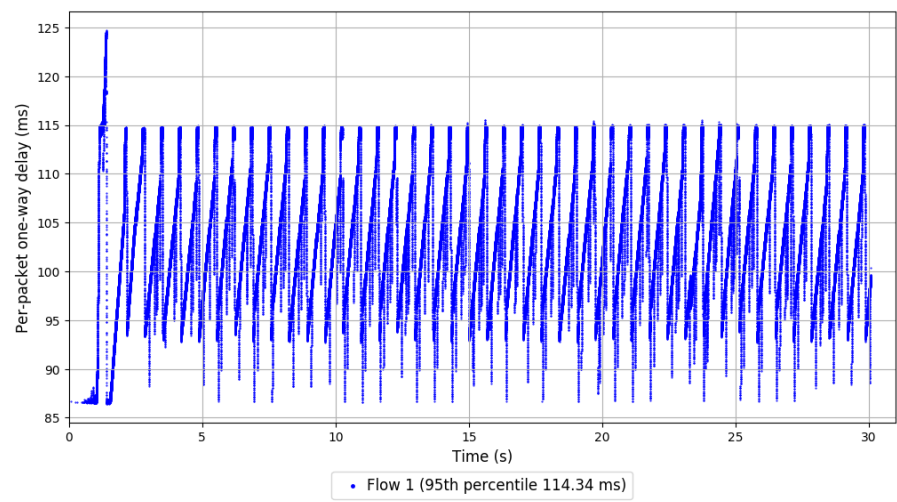
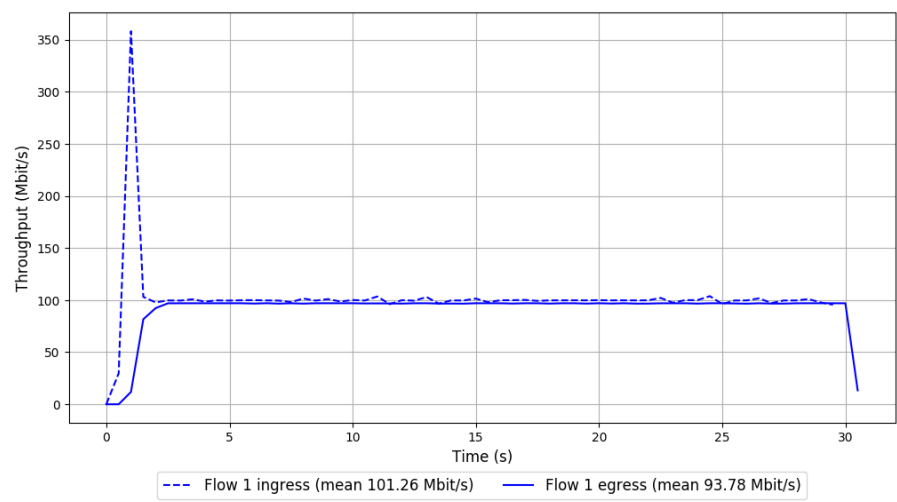
-- Flow 1:

Average throughput: 93.78 Mbit/s

95th percentile per-packet one-way delay: 114.342 ms

Loss rate: 7.36%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-07-24 08:23:26

End at: 2018-07-24 08:23:56

Local clock offset: -5.265 ms

Remote clock offset: 2.75 ms

Below is generated by plot.py at 2018-07-24 10:07:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.87 Mbit/s

95th percentile per-packet one-way delay: 108.133 ms

Loss rate: 7.44%

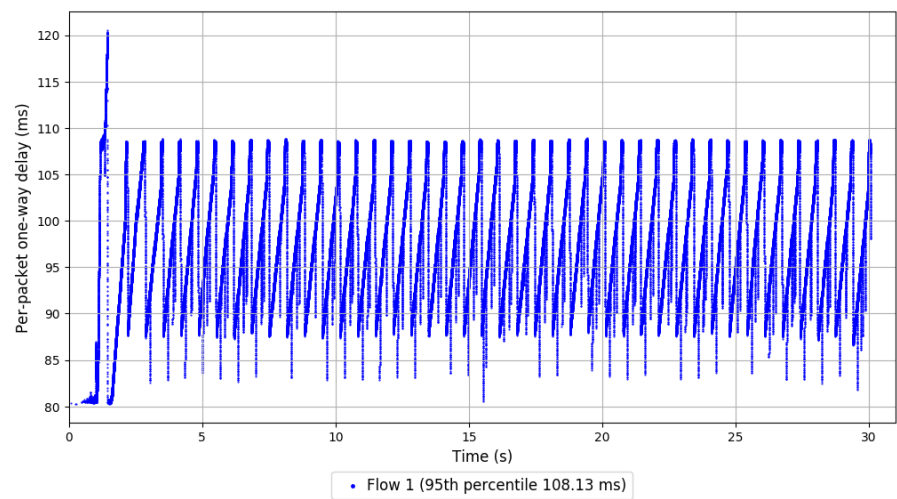
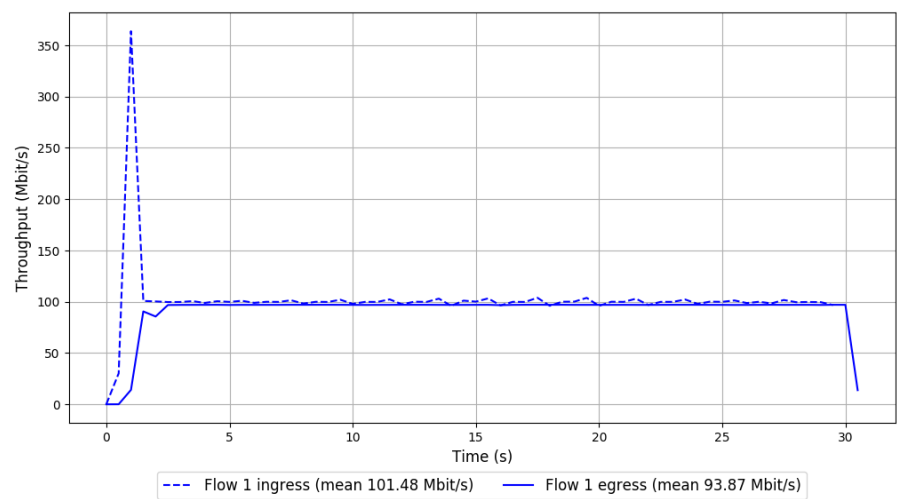
-- Flow 1:

Average throughput: 93.87 Mbit/s

95th percentile per-packet one-way delay: 108.133 ms

Loss rate: 7.44%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-07-24 08:43:19

End at: 2018-07-24 08:43:49

Local clock offset: -3.767 ms

Remote clock offset: 7.024 ms

Below is generated by plot.py at 2018-07-24 10:07:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.71 Mbit/s

95th percentile per-packet one-way delay: 114.138 ms

Loss rate: 15.27%

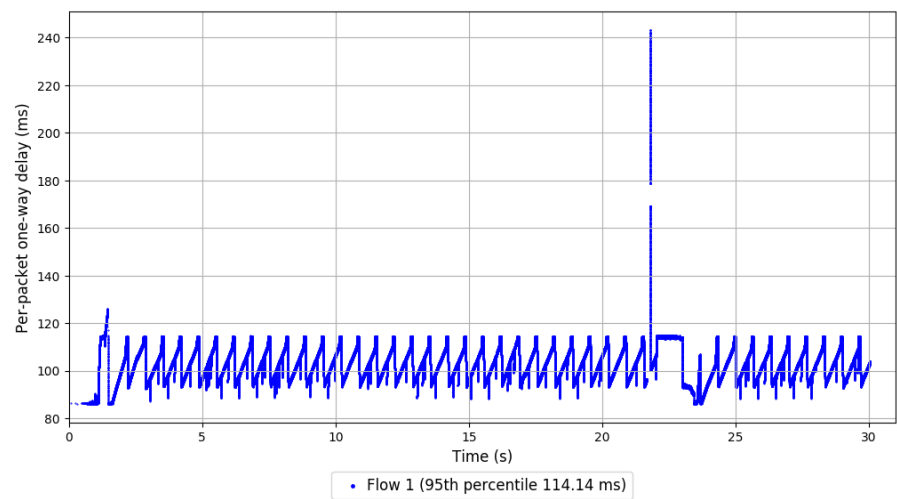
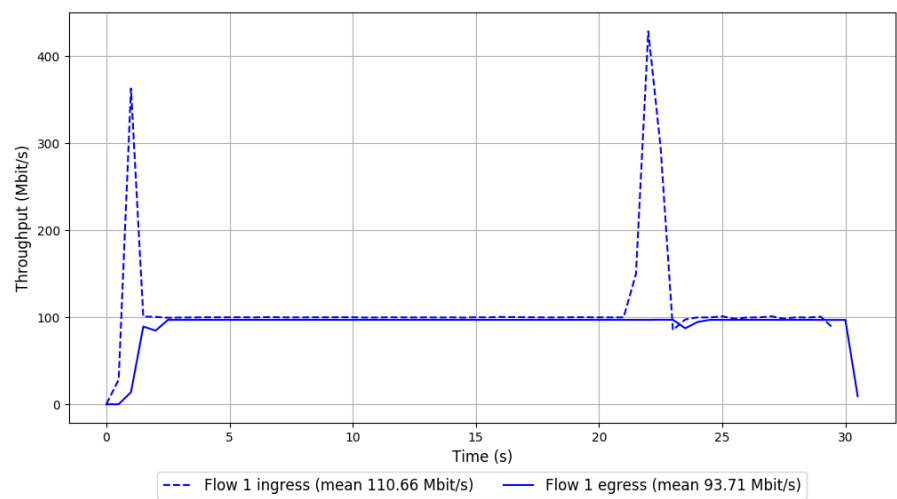
-- Flow 1:

Average throughput: 93.71 Mbit/s

95th percentile per-packet one-way delay: 114.138 ms

Loss rate: 15.27%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-07-24 09:03:08

End at: 2018-07-24 09:03:38

Local clock offset: -4.298 ms

Remote clock offset: 4.912 ms

Below is generated by plot.py at 2018-07-24 10:07:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.94 Mbit/s

95th percentile per-packet one-way delay: 107.484 ms

Loss rate: 7.45%

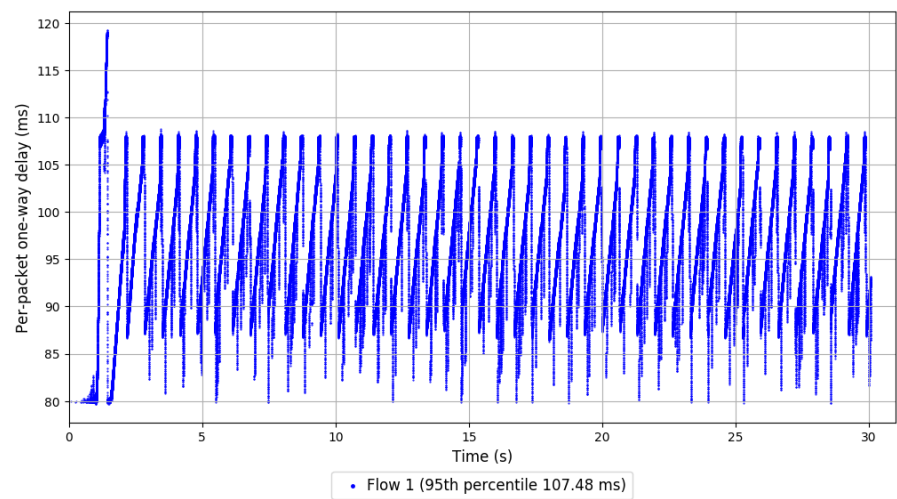
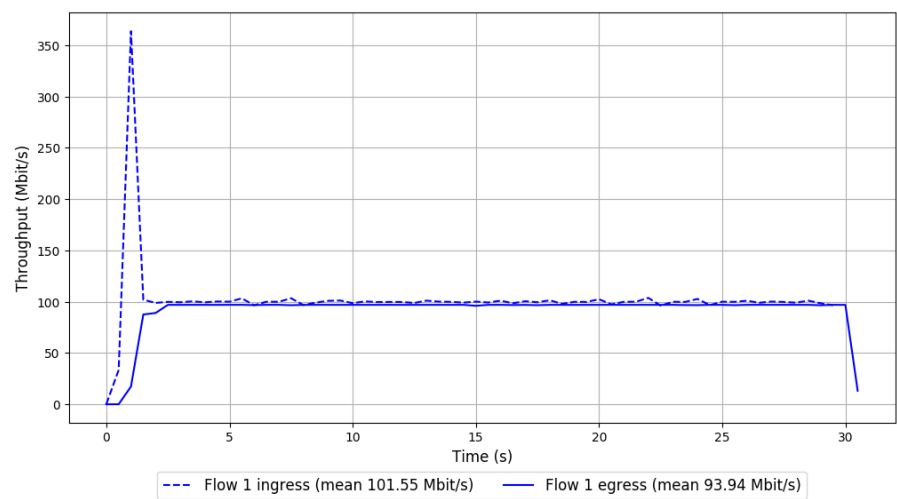
-- Flow 1:

Average throughput: 93.94 Mbit/s

95th percentile per-packet one-way delay: 107.484 ms

Loss rate: 7.45%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-07-24 09:22:58

End at: 2018-07-24 09:23:28

Local clock offset: -8.266 ms

Remote clock offset: 9.384 ms

Below is generated by plot.py at 2018-07-24 10:08:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.86 Mbit/s

95th percentile per-packet one-way delay: 111.311 ms

Loss rate: 7.48%

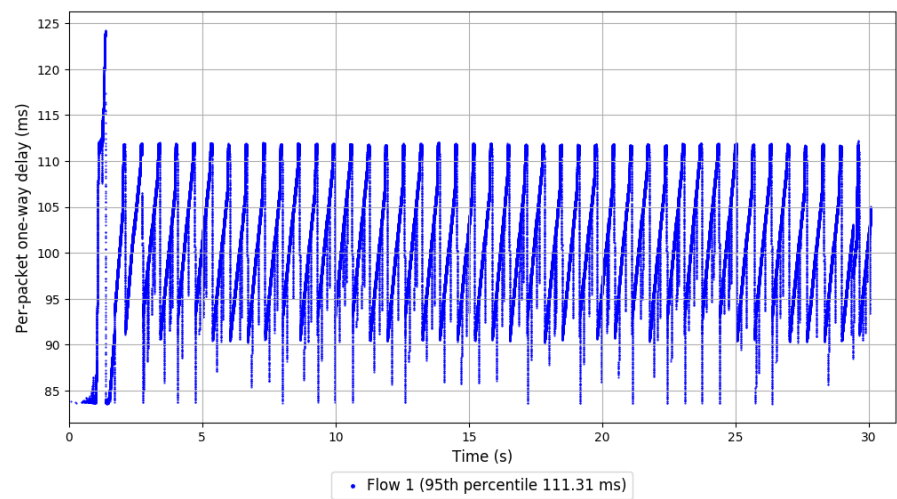
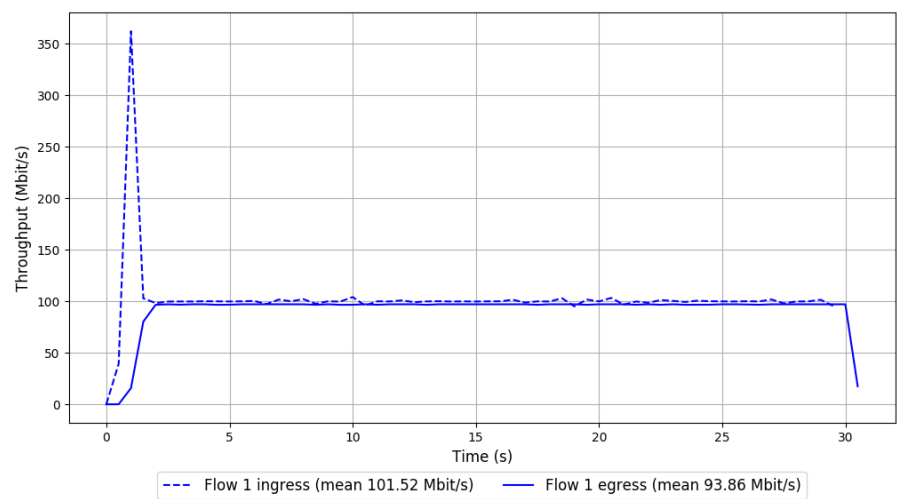
-- Flow 1:

Average throughput: 93.86 Mbit/s

95th percentile per-packet one-way delay: 111.311 ms

Loss rate: 7.48%

Run 9: Report of FillP — Data Link

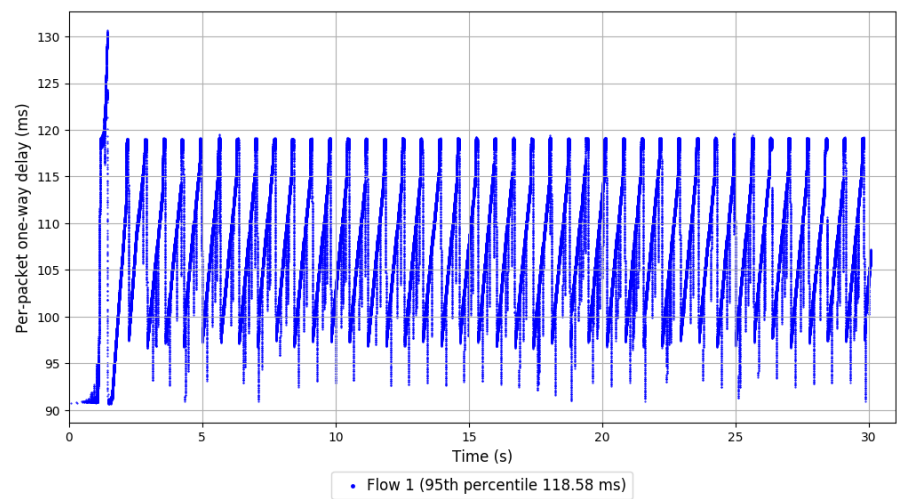
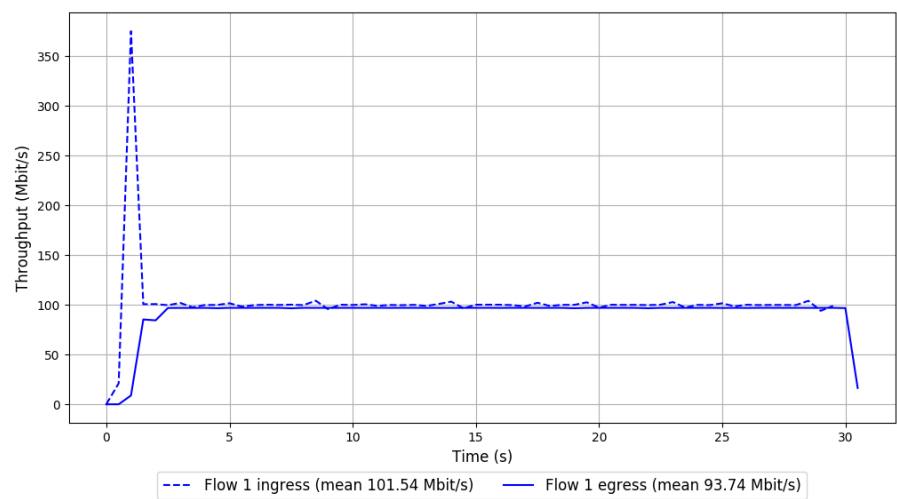


Run 10: Statistics of FillP

Start at: 2018-07-24 09:42:48
End at: 2018-07-24 09:43:18
Local clock offset: -4.014 ms
Remote clock offset: 12.375 ms

Below is generated by plot.py at 2018-07-24 10:08:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.74 Mbit/s
95th percentile per-packet one-way delay: 118.578 ms
Loss rate: 7.66%
-- Flow 1:
Average throughput: 93.74 Mbit/s
95th percentile per-packet one-way delay: 118.578 ms
Loss rate: 7.66%

Run 10: Report of FillP — Data Link

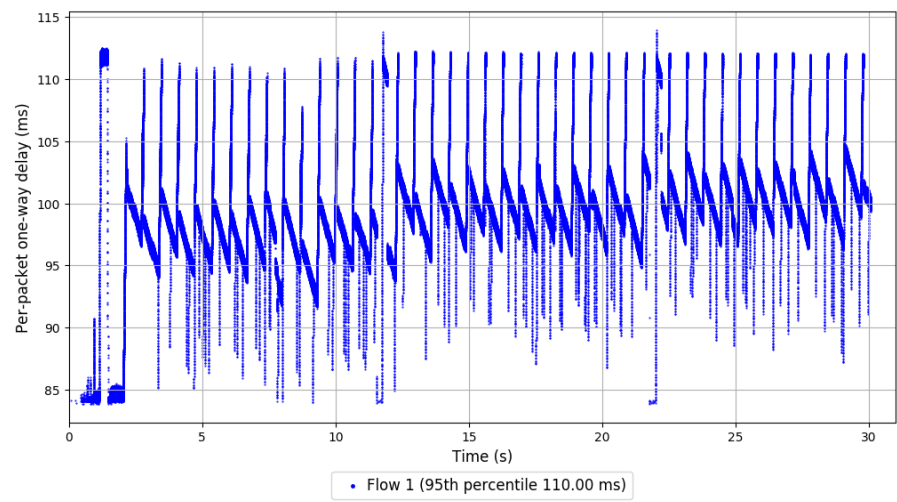
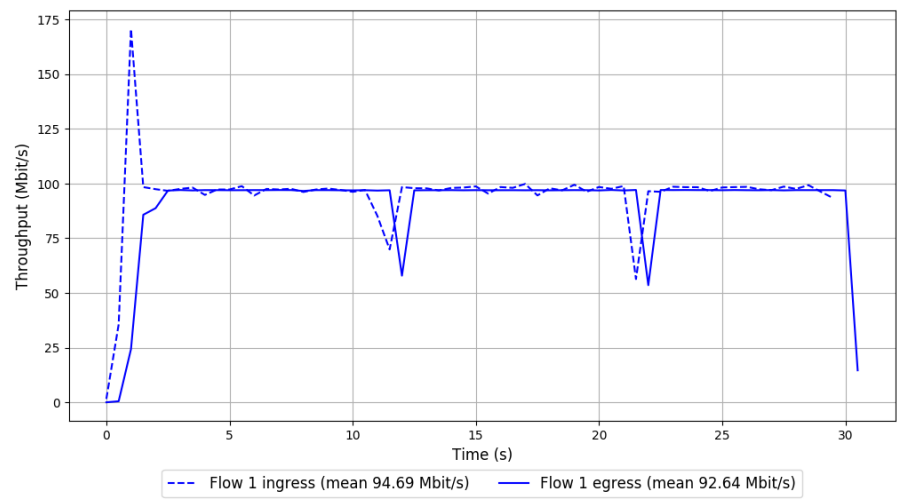


Run 1: Statistics of FillP-Sheep

Start at: 2018-07-24 06:54:22
End at: 2018-07-24 06:54:52
Local clock offset: -16.785 ms
Remote clock offset: 17.275 ms

Below is generated by plot.py at 2018-07-24 10:08:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.64 Mbit/s
95th percentile per-packet one-way delay: 110.005 ms
Loss rate: 2.11%
-- Flow 1:
Average throughput: 92.64 Mbit/s
95th percentile per-packet one-way delay: 110.005 ms
Loss rate: 2.11%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-07-24 07:14:18

End at: 2018-07-24 07:14:48

Local clock offset: -9.643 ms

Remote clock offset: 11.146 ms

Below is generated by plot.py at 2018-07-24 10:08:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.55 Mbit/s

95th percentile per-packet one-way delay: 112.961 ms

Loss rate: 1.64%

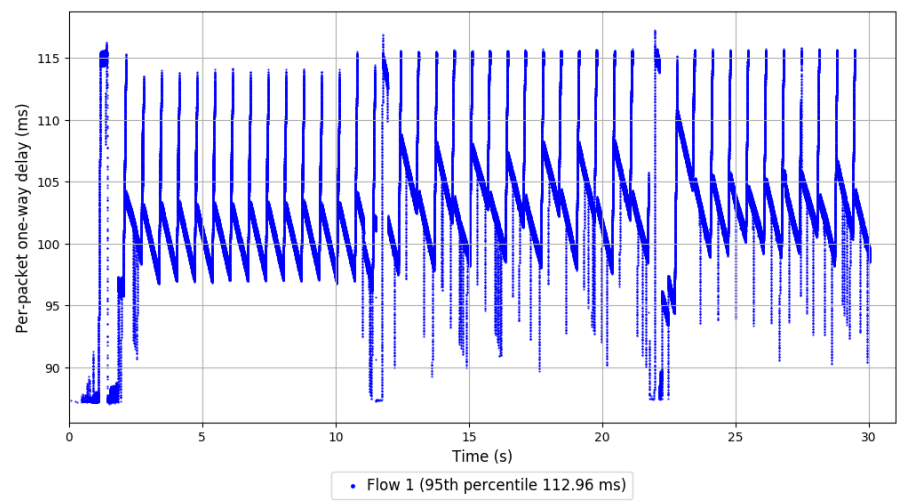
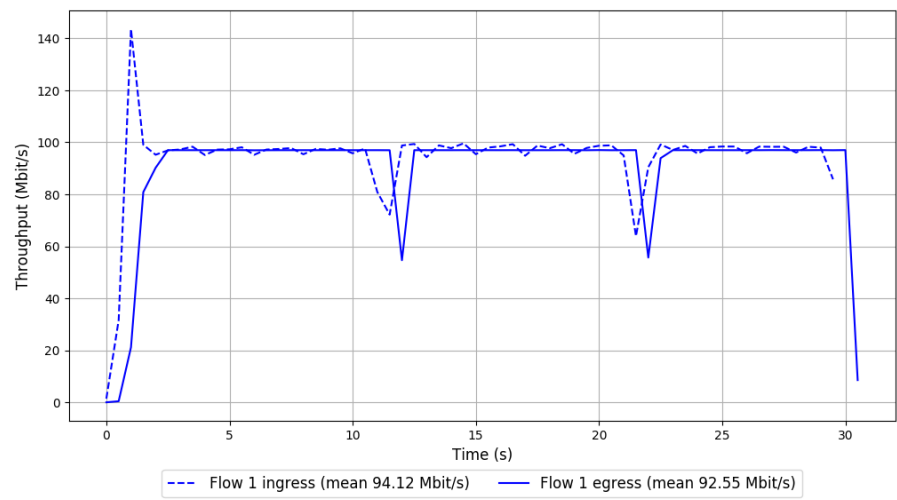
-- Flow 1:

Average throughput: 92.55 Mbit/s

95th percentile per-packet one-way delay: 112.961 ms

Loss rate: 1.64%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-07-24 07:34:14

End at: 2018-07-24 07:34:44

Local clock offset: -9.535 ms

Remote clock offset: 5.627 ms

Below is generated by plot.py at 2018-07-24 10:09:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.51 Mbit/s

95th percentile per-packet one-way delay: 111.226 ms

Loss rate: 2.87%

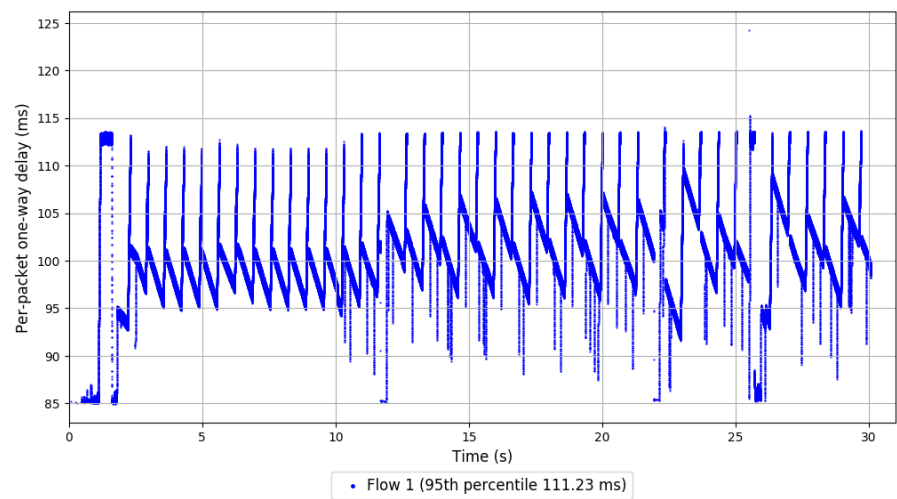
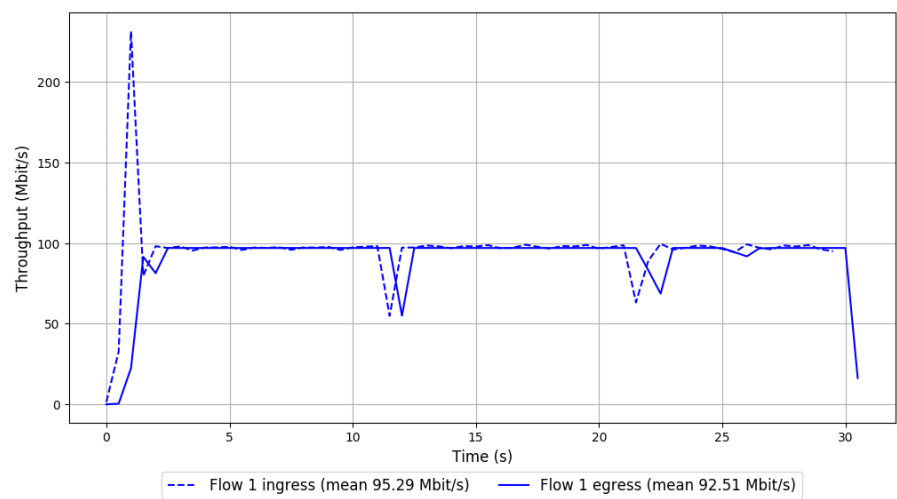
-- Flow 1:

Average throughput: 92.51 Mbit/s

95th percentile per-packet one-way delay: 111.226 ms

Loss rate: 2.87%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-07-24 07:54:08

End at: 2018-07-24 07:54:38

Local clock offset: -7.181 ms

Remote clock offset: 4.697 ms

Below is generated by plot.py at 2018-07-24 10:09:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.63 Mbit/s

95th percentile per-packet one-way delay: 108.978 ms

Loss rate: 2.25%

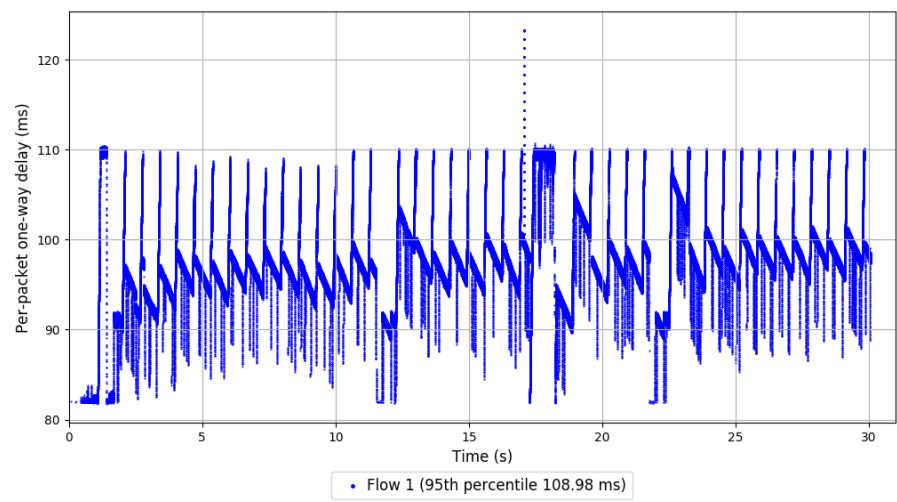
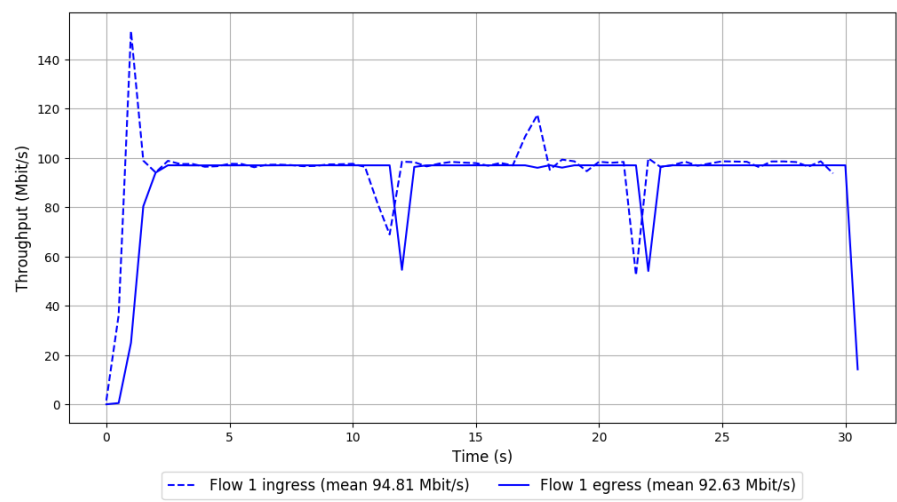
-- Flow 1:

Average throughput: 92.63 Mbit/s

95th percentile per-packet one-way delay: 108.978 ms

Loss rate: 2.25%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-24 08:14:00

End at: 2018-07-24 08:14:30

Local clock offset: -5.3 ms

Remote clock offset: 4.604 ms

Below is generated by plot.py at 2018-07-24 10:09:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.67 Mbit/s

95th percentile per-packet one-way delay: 108.603 ms

Loss rate: 1.84%

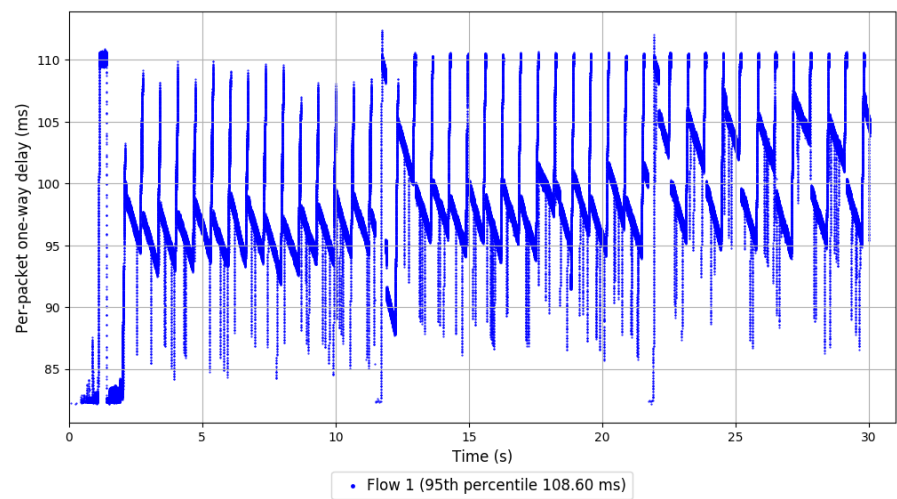
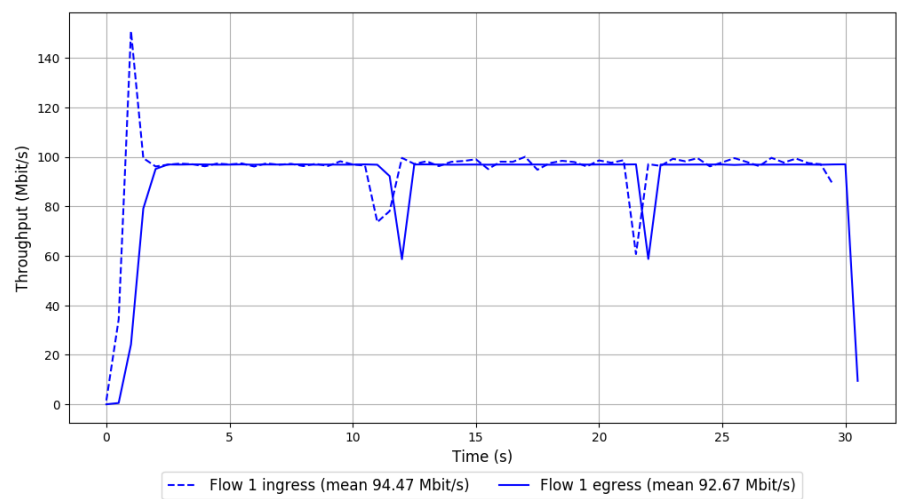
-- Flow 1:

Average throughput: 92.67 Mbit/s

95th percentile per-packet one-way delay: 108.603 ms

Loss rate: 1.84%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-24 08:33:56

End at: 2018-07-24 08:34:26

Local clock offset: -5.154 ms

Remote clock offset: 7.283 ms

Below is generated by plot.py at 2018-07-24 10:09:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.61 Mbit/s

95th percentile per-packet one-way delay: 113.520 ms

Loss rate: 1.86%

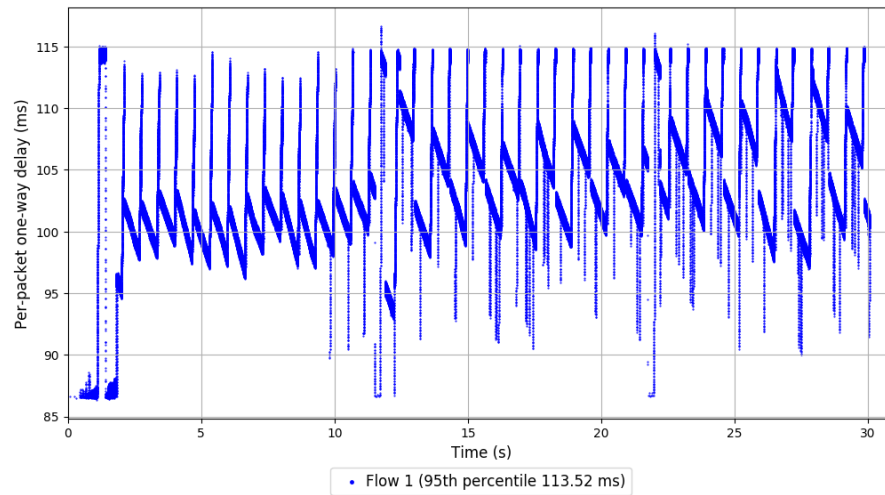
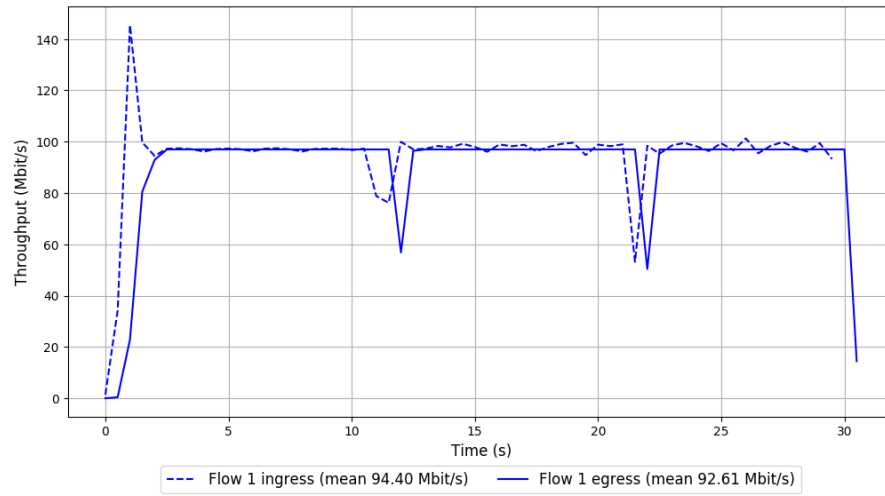
-- Flow 1:

Average throughput: 92.61 Mbit/s

95th percentile per-packet one-way delay: 113.520 ms

Loss rate: 1.86%

Run 6: Report of FillP-Sheep — Data Link

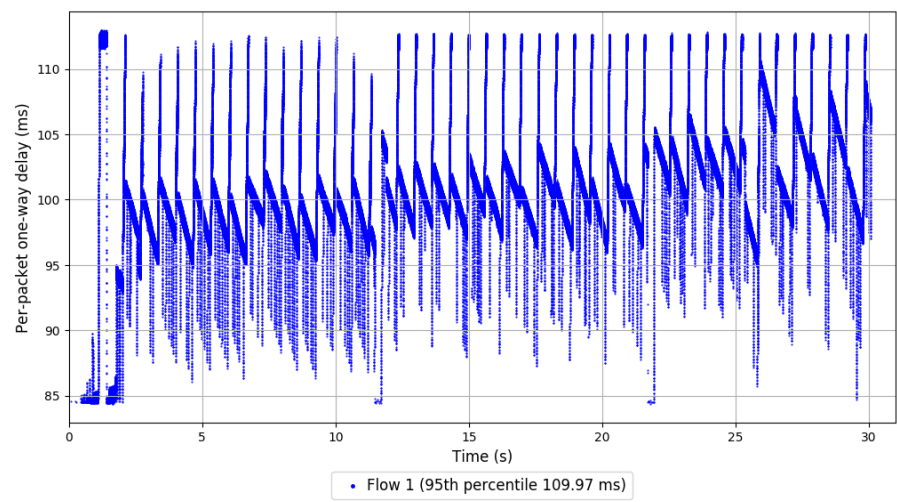
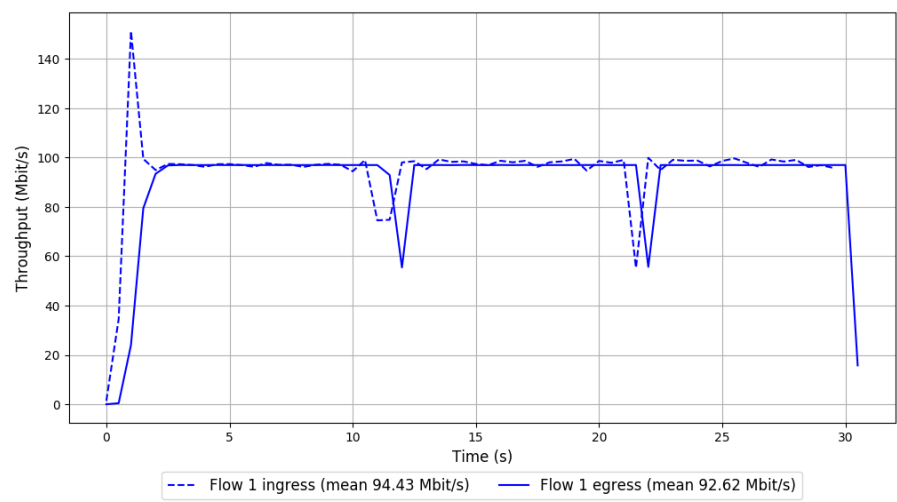


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-24 08:53:46
End at: 2018-07-24 08:54:16
Local clock offset: -3.625 ms
Remote clock offset: 8.272 ms

Below is generated by plot.py at 2018-07-24 10:10:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.62 Mbit/s
95th percentile per-packet one-way delay: 109.974 ms
Loss rate: 1.85%
-- Flow 1:
Average throughput: 92.62 Mbit/s
95th percentile per-packet one-way delay: 109.974 ms
Loss rate: 1.85%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-07-24 09:13:34

End at: 2018-07-24 09:14:04

Local clock offset: -6.947 ms

Remote clock offset: 5.201 ms

Below is generated by plot.py at 2018-07-24 10:10:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.69 Mbit/s

95th percentile per-packet one-way delay: 104.821 ms

Loss rate: 2.10%

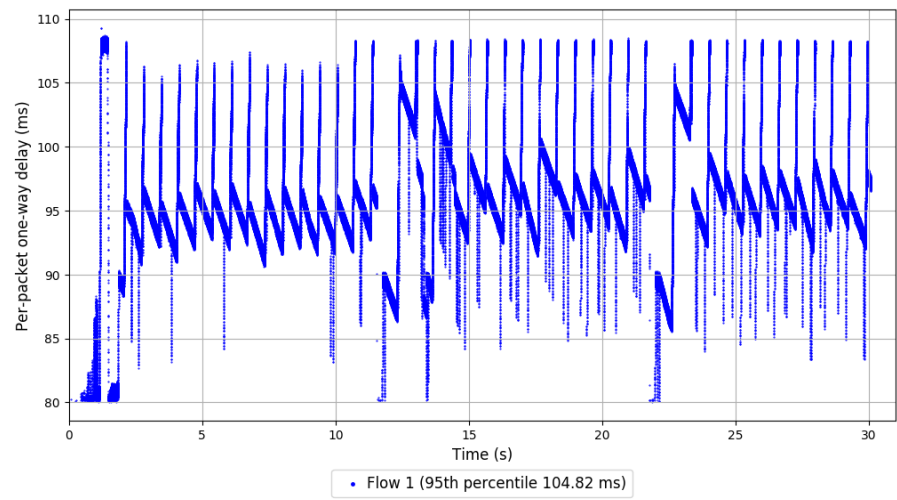
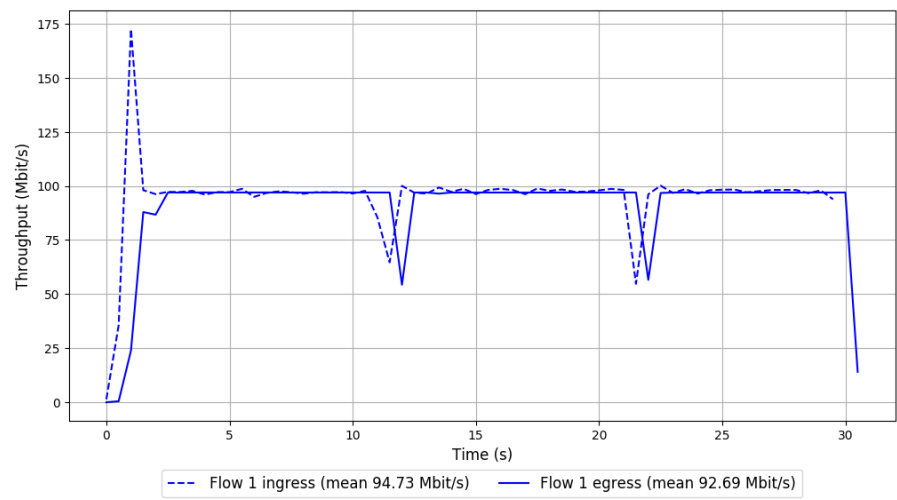
-- Flow 1:

Average throughput: 92.69 Mbit/s

95th percentile per-packet one-way delay: 104.821 ms

Loss rate: 2.10%

Run 8: Report of FillP-Sheep — Data Link

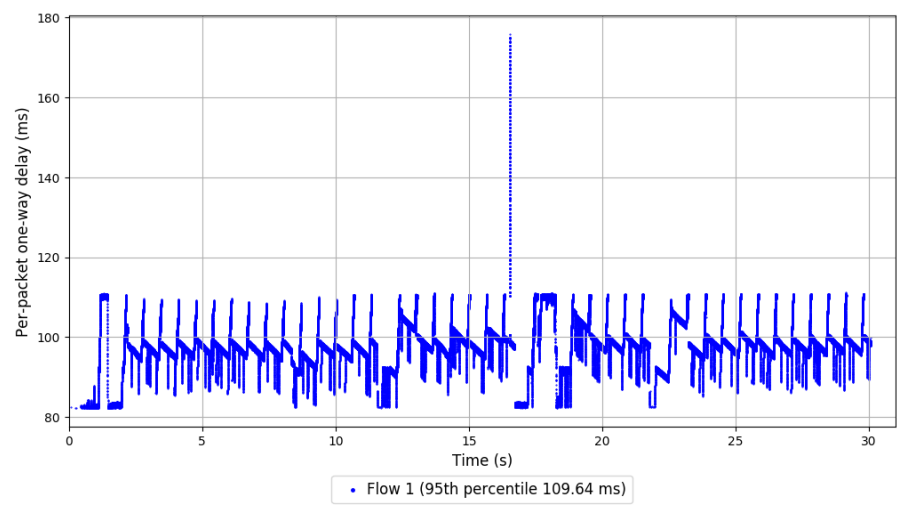
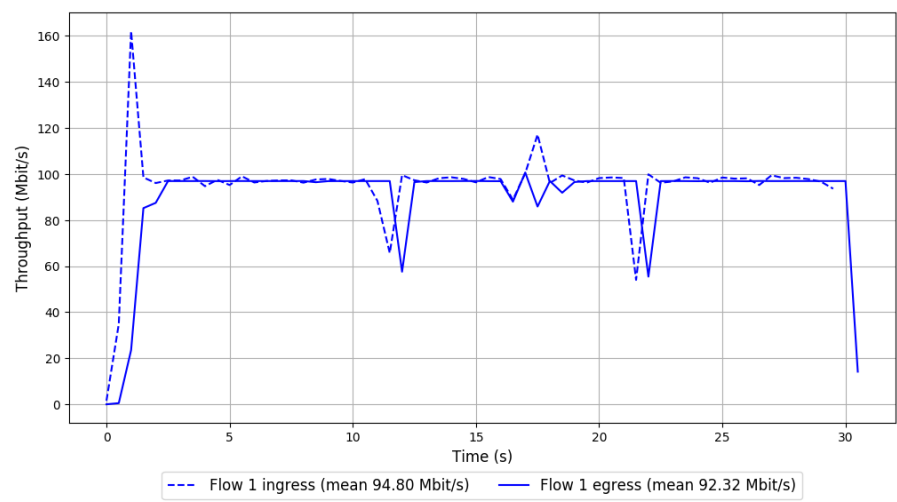


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-24 09:33:28
End at: 2018-07-24 09:33:58
Local clock offset: -7.914 ms
Remote clock offset: 8.536 ms

Below is generated by plot.py at 2018-07-24 10:10:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.32 Mbit/s
95th percentile per-packet one-way delay: 109.637 ms
Loss rate: 2.57%
-- Flow 1:
Average throughput: 92.32 Mbit/s
95th percentile per-packet one-way delay: 109.637 ms
Loss rate: 2.57%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-24 09:53:17

End at: 2018-07-24 09:53:47

Local clock offset: -2.483 ms

Remote clock offset: 9.246 ms

Below is generated by plot.py at 2018-07-24 10:10:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.21 Mbit/s

95th percentile per-packet one-way delay: 108.634 ms

Loss rate: 3.57%

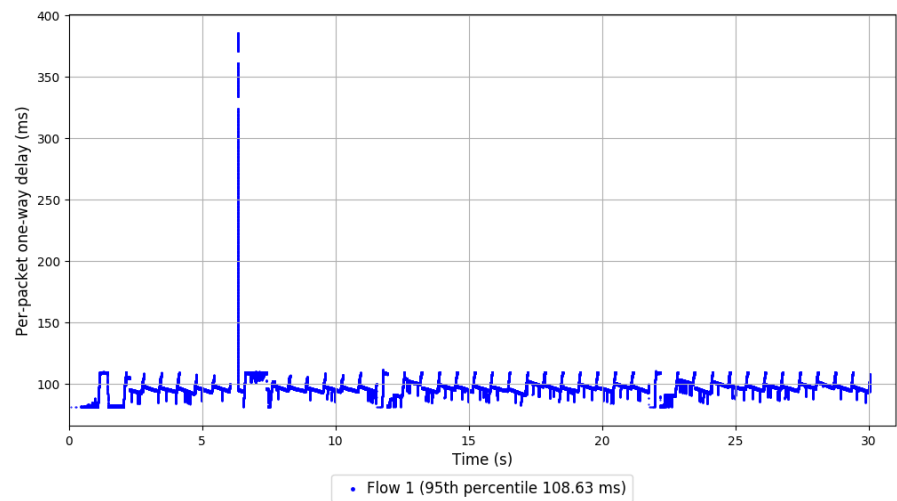
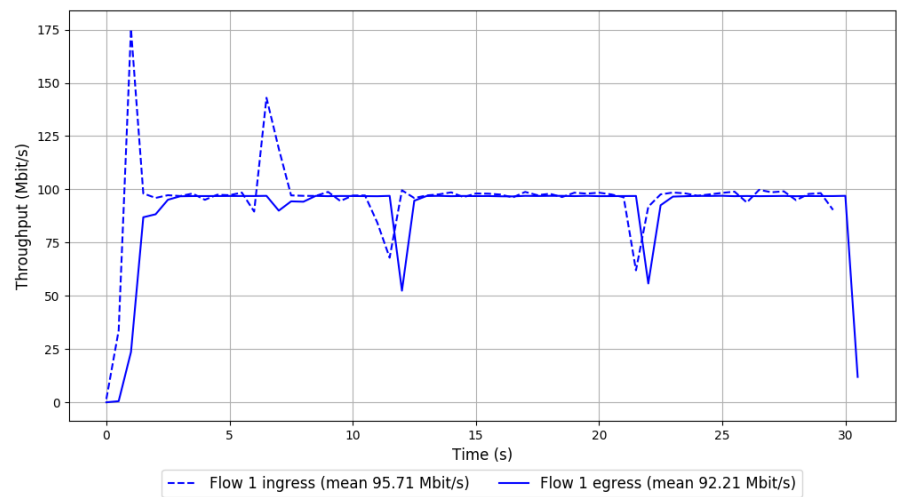
-- Flow 1:

Average throughput: 92.21 Mbit/s

95th percentile per-packet one-way delay: 108.634 ms

Loss rate: 3.57%

Run 10: Report of FillP-Sheep — Data Link

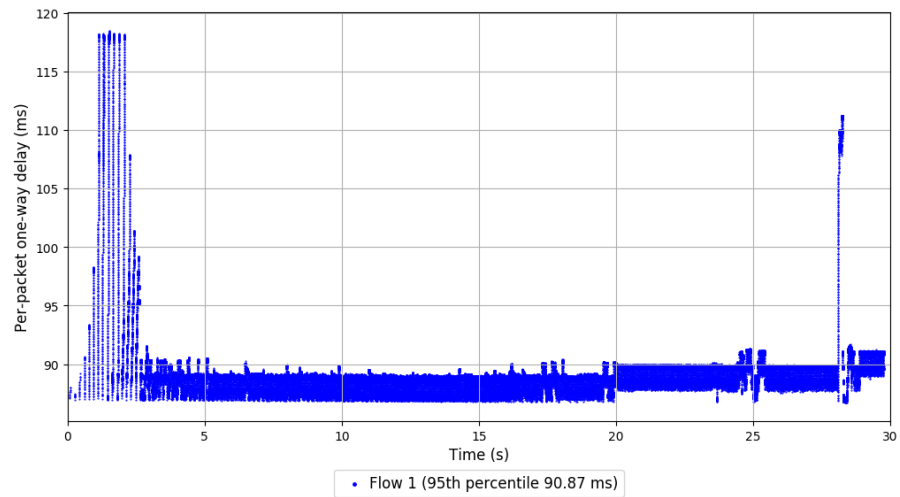
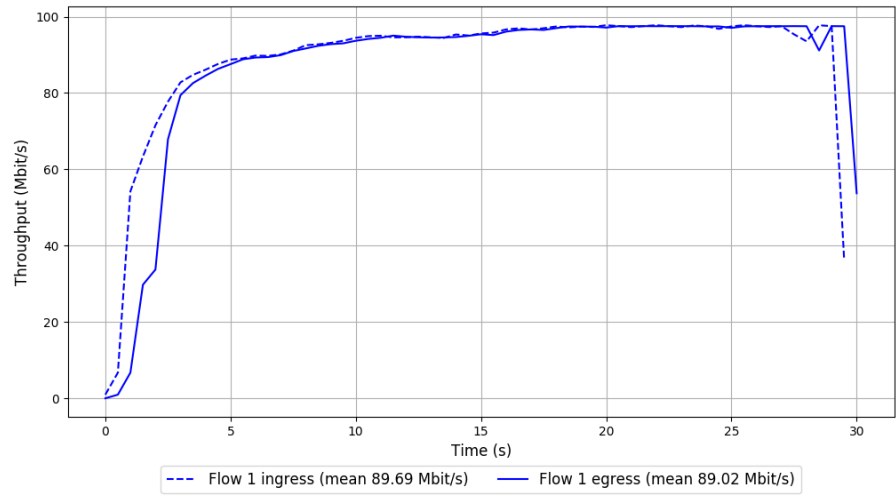


Run 1: Statistics of Indigo

Start at: 2018-07-24 06:57:49
End at: 2018-07-24 06:58:19
Local clock offset: -17.96 ms
Remote clock offset: 18.939 ms

Below is generated by plot.py at 2018-07-24 10:10:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.02 Mbit/s
95th percentile per-packet one-way delay: 90.874 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 89.02 Mbit/s
95th percentile per-packet one-way delay: 90.874 ms
Loss rate: 0.73%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-07-24 07:17:45

End at: 2018-07-24 07:18:15

Local clock offset: -9.349 ms

Remote clock offset: 8.922 ms

Below is generated by plot.py at 2018-07-24 10:10:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.24 Mbit/s

95th percentile per-packet one-way delay: 90.646 ms

Loss rate: 1.01%

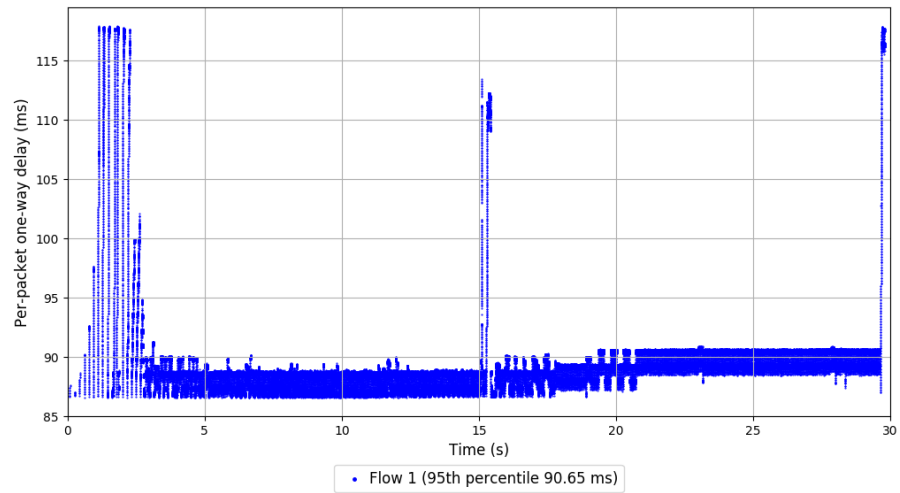
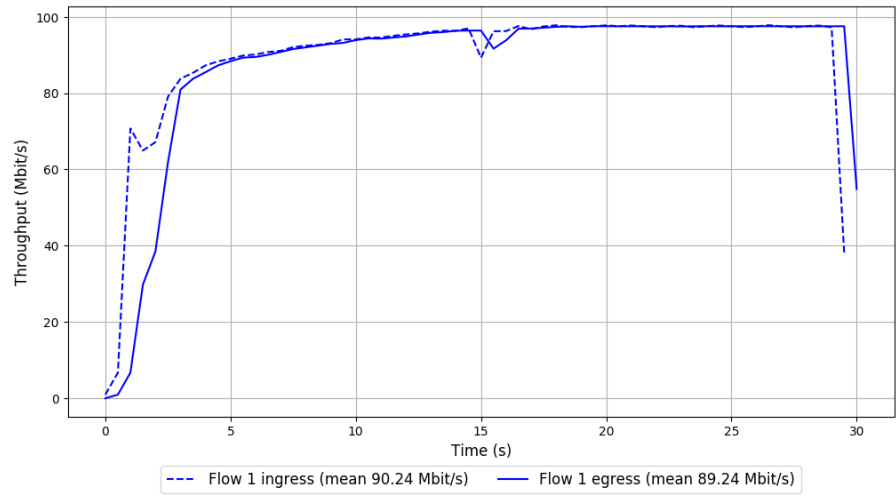
-- Flow 1:

Average throughput: 89.24 Mbit/s

95th percentile per-packet one-way delay: 90.646 ms

Loss rate: 1.01%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-24 07:37:42

End at: 2018-07-24 07:38:12

Local clock offset: -7.984 ms

Remote clock offset: 2.894 ms

Below is generated by plot.py at 2018-07-24 10:10:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.65 Mbit/s

95th percentile per-packet one-way delay: 99.029 ms

Loss rate: 1.67%

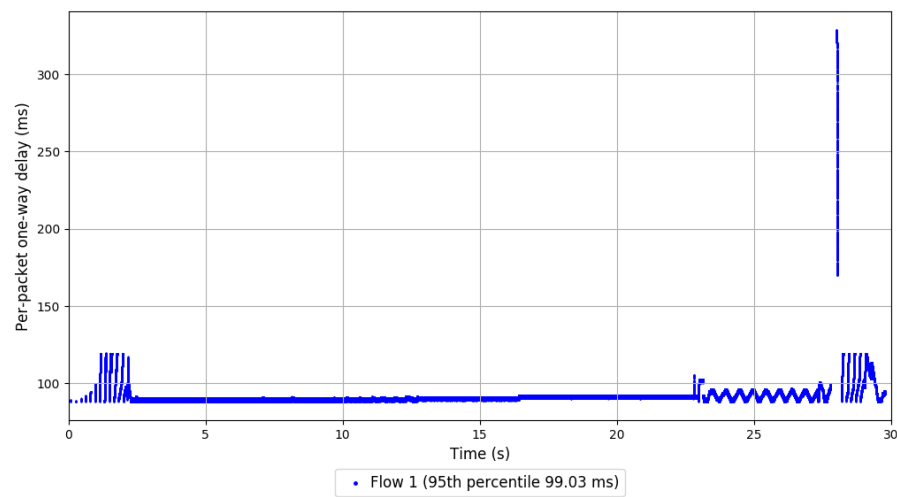
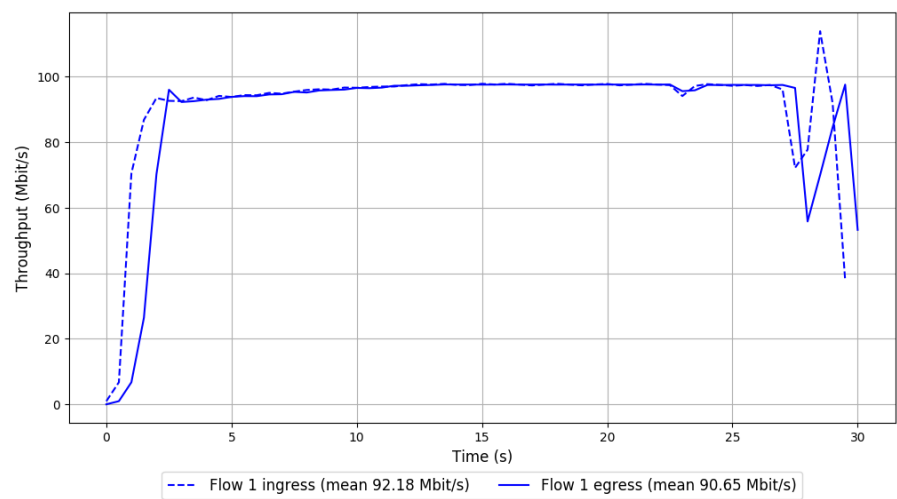
-- Flow 1:

Average throughput: 90.65 Mbit/s

95th percentile per-packet one-way delay: 99.029 ms

Loss rate: 1.67%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-24 07:57:35

End at: 2018-07-24 07:58:05

Local clock offset: -7.507 ms

Remote clock offset: 4.852 ms

Below is generated by plot.py at 2018-07-24 10:10:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.53 Mbit/s

95th percentile per-packet one-way delay: 86.003 ms

Loss rate: 0.79%

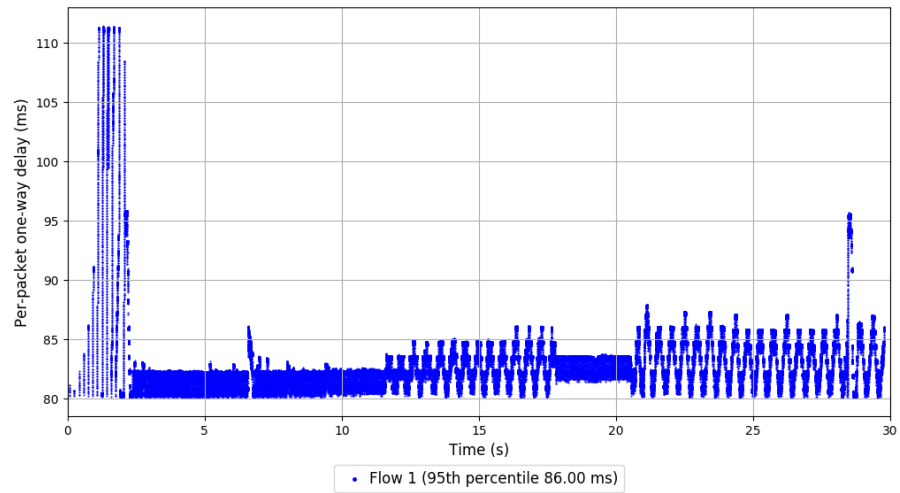
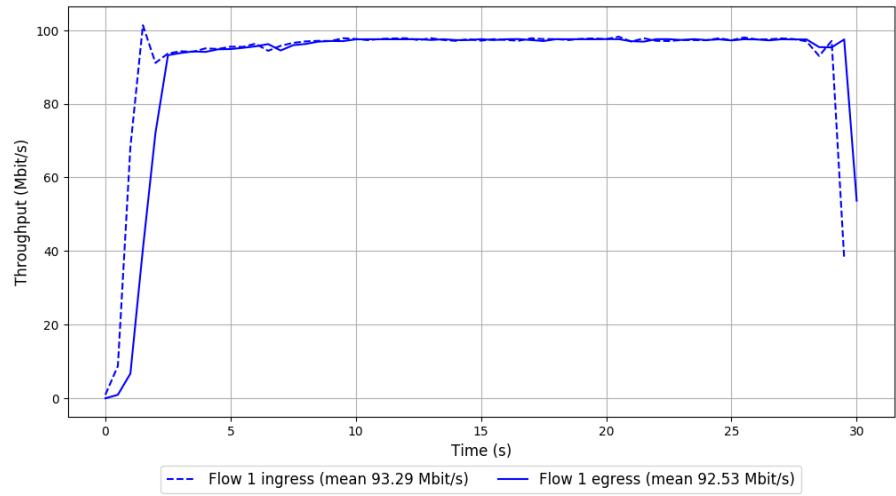
-- Flow 1:

Average throughput: 92.53 Mbit/s

95th percentile per-packet one-way delay: 86.003 ms

Loss rate: 0.79%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-24 08:17:28

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

Local clock offset: -5.199 ms

Remote clock offset: 8.232 ms

Below is generated by plot.py at 2018-07-24 10:11:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.68 Mbit/s

95th percentile per-packet one-way delay: 89.957 ms

Loss rate: 1.12%

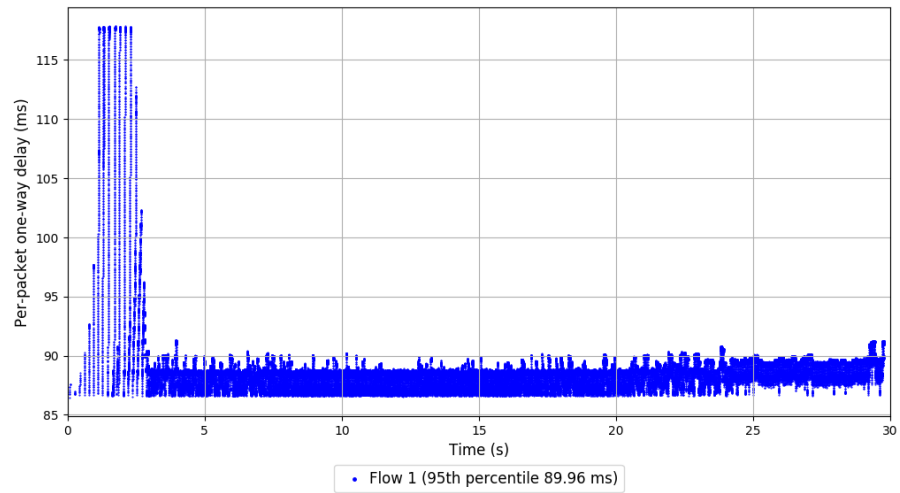
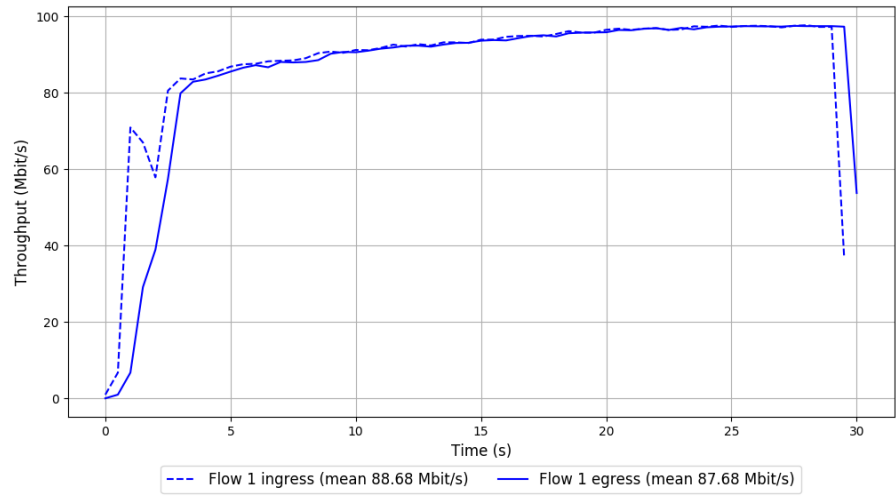
-- Flow 1:

Average throughput: 87.68 Mbit/s

95th percentile per-packet one-way delay: 89.957 ms

Loss rate: 1.12%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-07-24 08:37:23

End at: 2018-07-24 08:37:53

Local clock offset: -4.411 ms

Remote clock offset: 2.237 ms

Below is generated by plot.py at 2018-07-24 10:11:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.41 Mbit/s

95th percentile per-packet one-way delay: 86.480 ms

Loss rate: 0.88%

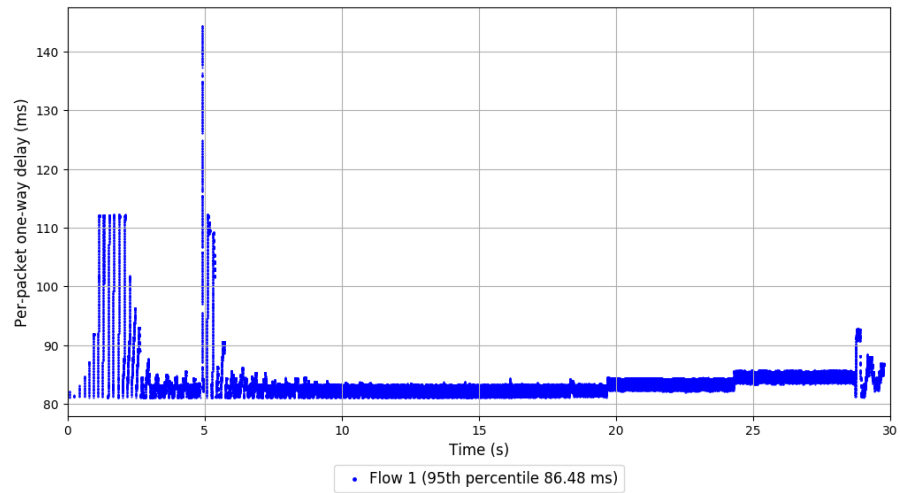
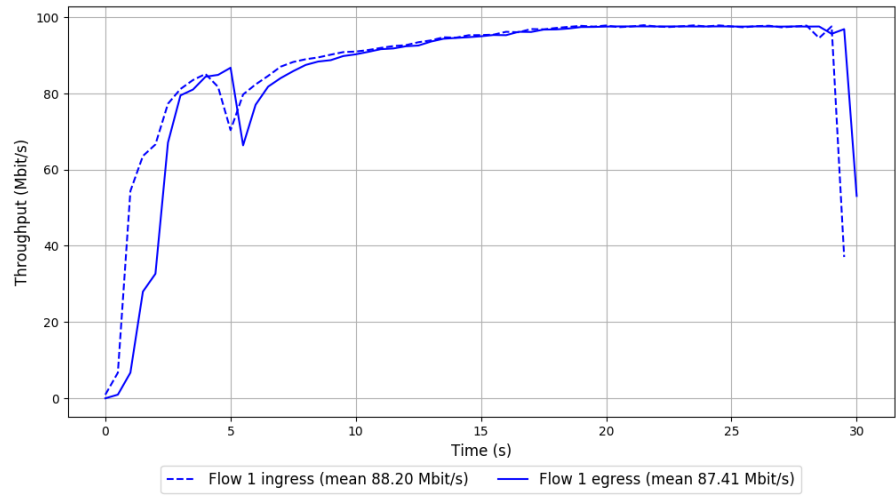
-- Flow 1:

Average throughput: 87.41 Mbit/s

95th percentile per-packet one-way delay: 86.480 ms

Loss rate: 0.88%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-07-24 08:57:13

End at: 2018-07-24 08:57:43

Local clock offset: -3.739 ms

Remote clock offset: 3.57 ms

Below is generated by plot.py at 2018-07-24 10:11:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.10 Mbit/s

95th percentile per-packet one-way delay: 85.562 ms

Loss rate: 0.73%

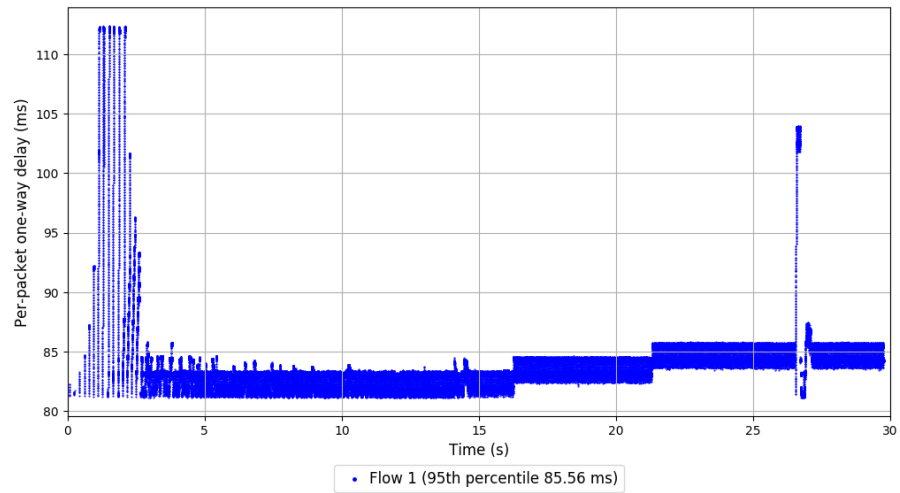
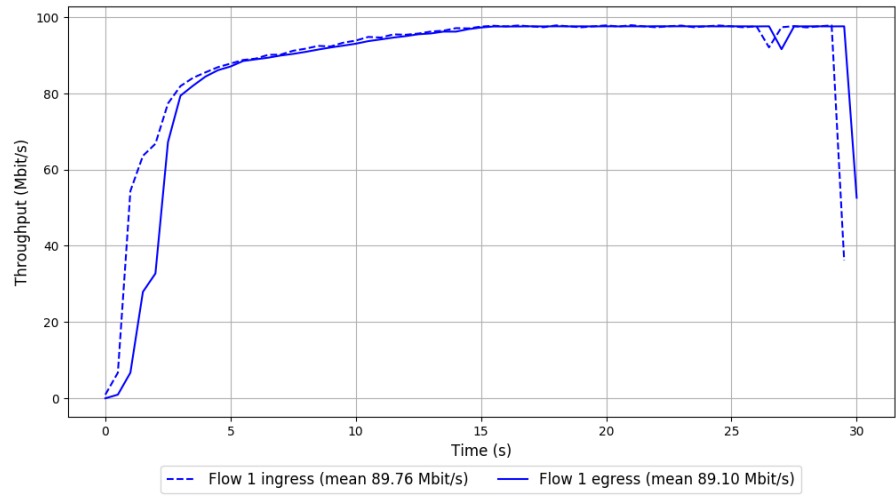
-- Flow 1:

Average throughput: 89.10 Mbit/s

95th percentile per-packet one-way delay: 85.562 ms

Loss rate: 0.73%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

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

End at: 2018-07-24 09:17:32

Local clock offset: -7.532 ms

Remote clock offset: 9.303 ms

Below is generated by plot.py at 2018-07-24 10:11:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.44 Mbit/s

95th percentile per-packet one-way delay: 87.988 ms

Loss rate: 0.76%

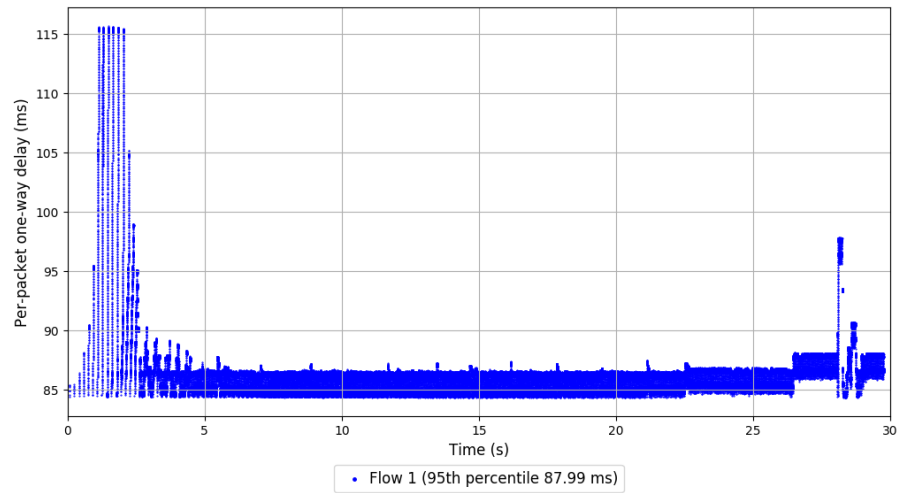
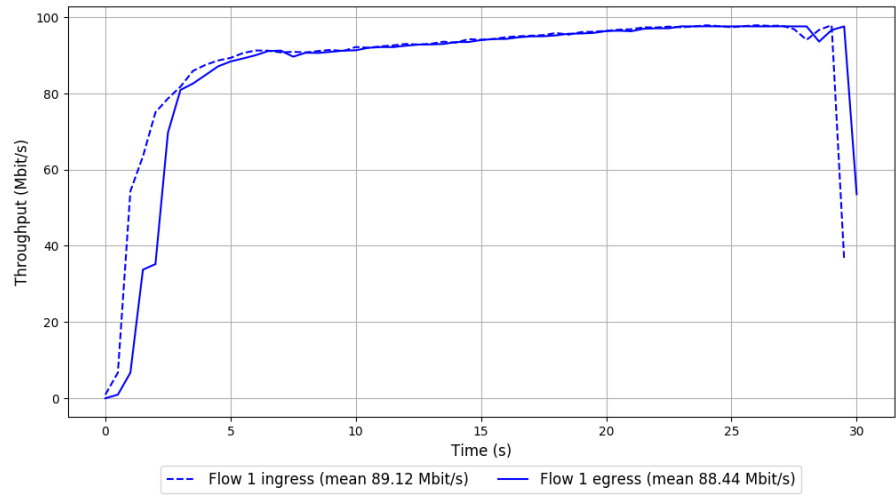
-- Flow 1:

Average throughput: 88.44 Mbit/s

95th percentile per-packet one-way delay: 87.988 ms

Loss rate: 0.76%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-24 09:36:56

End at: 2018-07-24 09:37:26

Local clock offset: -6.101 ms

Remote clock offset: 9.041 ms

Below is generated by plot.py at 2018-07-24 10:11:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.71 Mbit/s

95th percentile per-packet one-way delay: 87.889 ms

Loss rate: 0.79%

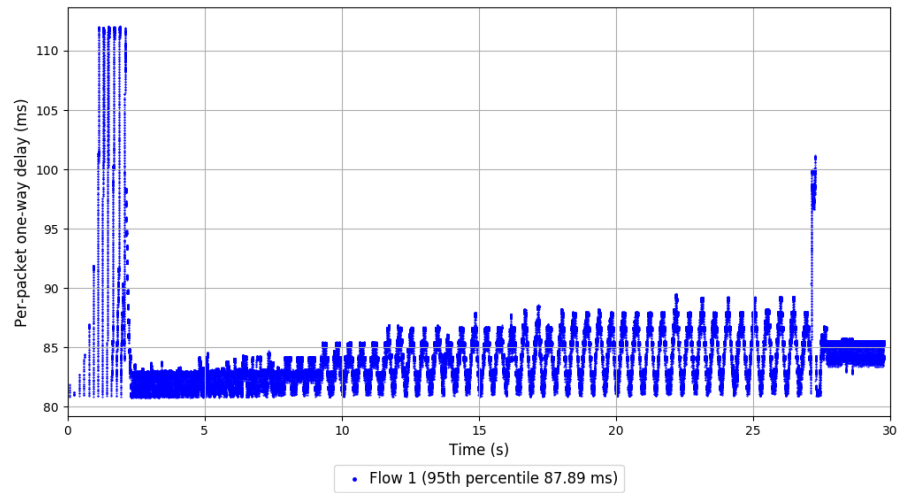
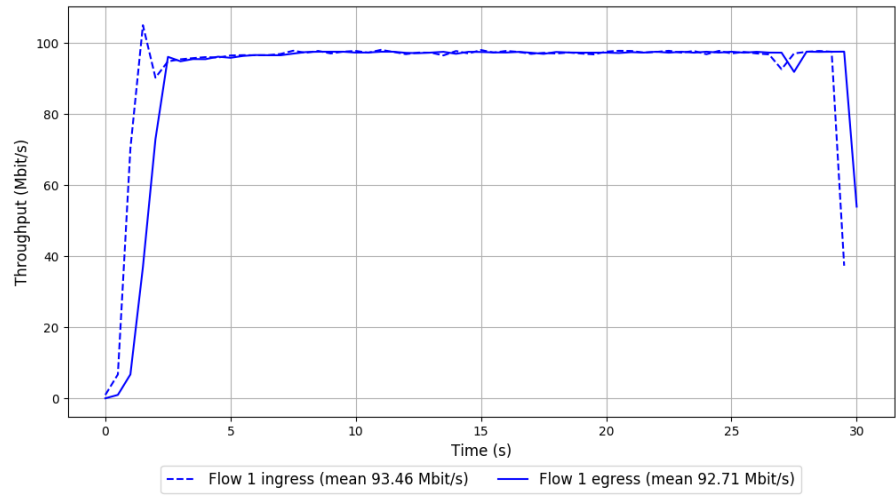
-- Flow 1:

Average throughput: 92.71 Mbit/s

95th percentile per-packet one-way delay: 87.889 ms

Loss rate: 0.79%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-24 09:56:44

End at: 2018-07-24 09:57:14

Local clock offset: -2.229 ms

Remote clock offset: 19.527 ms

Below is generated by plot.py at 2018-07-24 10:11:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.18 Mbit/s

95th percentile per-packet one-way delay: 93.245 ms

Loss rate: 0.33%

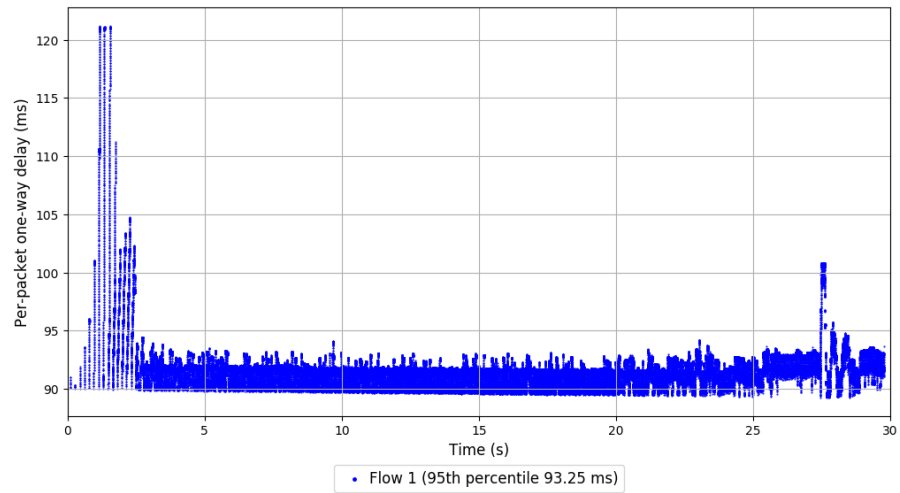
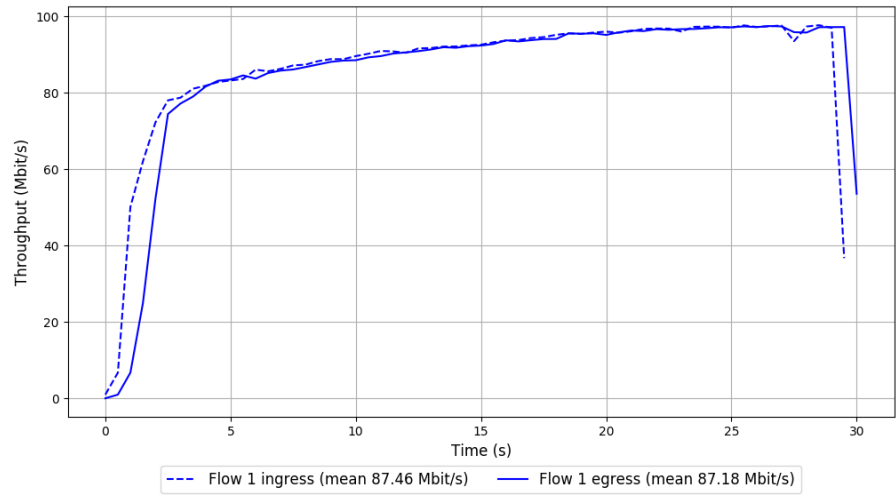
-- Flow 1:

Average throughput: 87.18 Mbit/s

95th percentile per-packet one-way delay: 93.245 ms

Loss rate: 0.33%

Run 10: Report of Indigo — Data Link

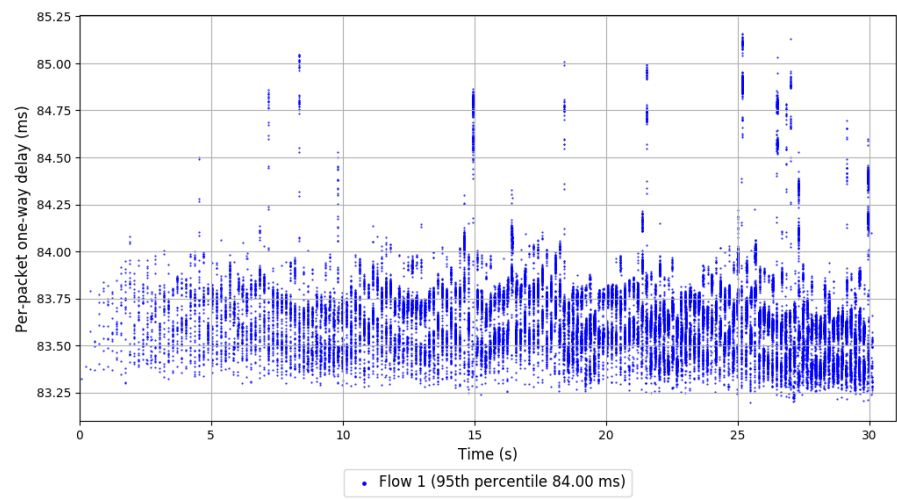
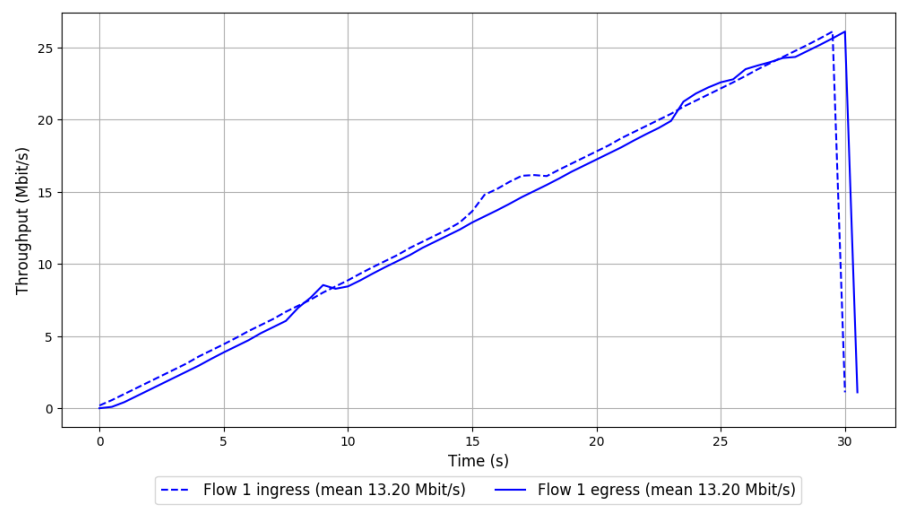


Run 1: Statistics of LEDBAT

Start at: 2018-07-24 06:47:21
End at: 2018-07-24 06:47:51
Local clock offset: -15.749 ms
Remote clock offset: 14.991 ms

Below is generated by plot.py at 2018-07-24 10:11:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.20 Mbit/s
95th percentile per-packet one-way delay: 83.997 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.20 Mbit/s
95th percentile per-packet one-way delay: 83.997 ms
Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link

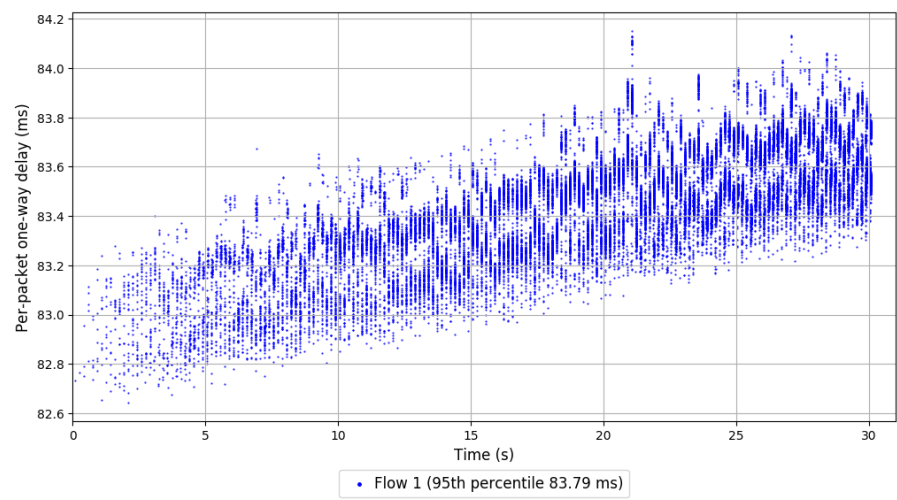
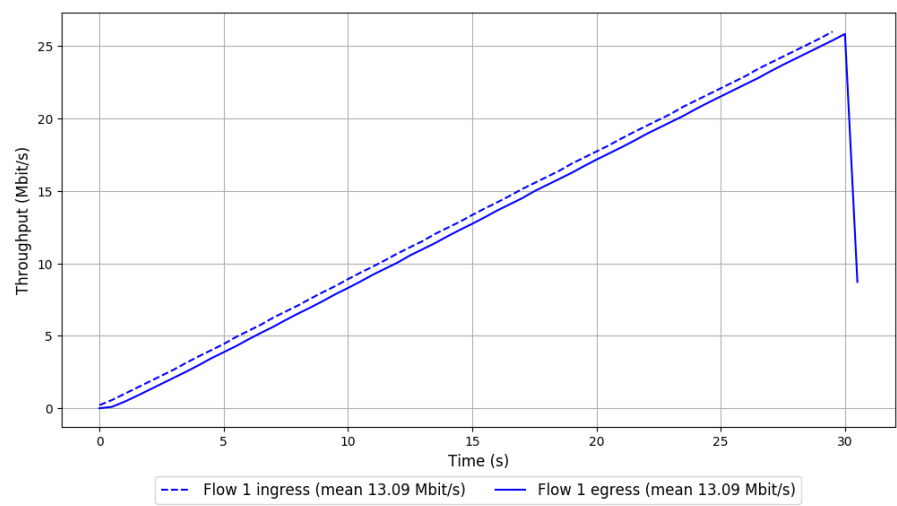


Run 2: Statistics of LEDBAT

Start at: 2018-07-24 07:07:19
End at: 2018-07-24 07:07:49
Local clock offset: -12.885 ms
Remote clock offset: 9.787 ms

Below is generated by plot.py at 2018-07-24 10:11:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.09 Mbit/s
95th percentile per-packet one-way delay: 83.790 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.09 Mbit/s
95th percentile per-packet one-way delay: 83.790 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

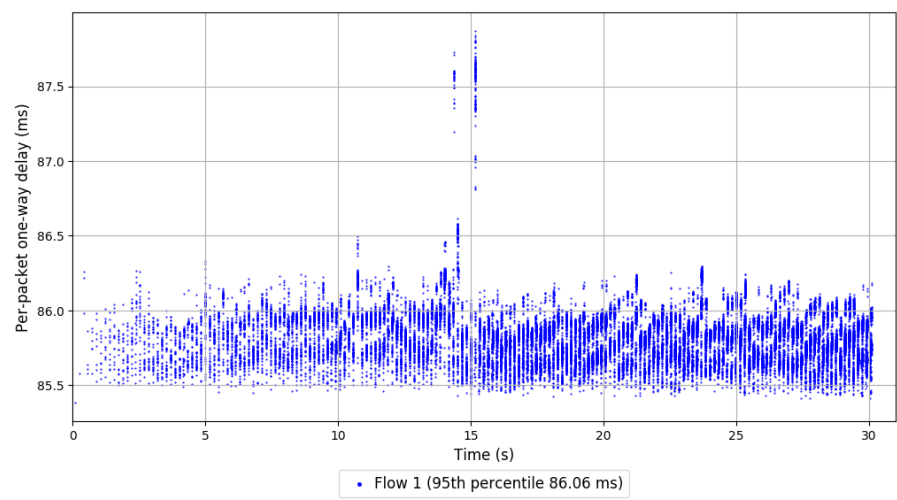
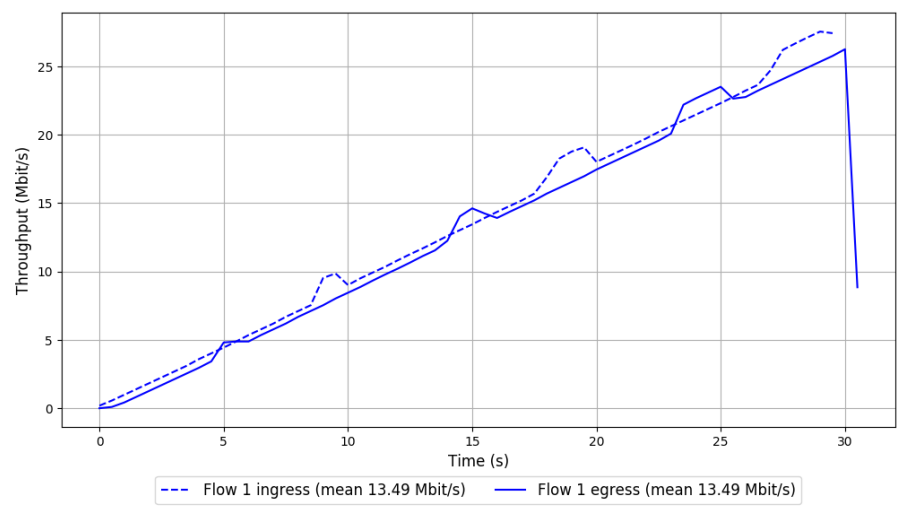


Run 3: Statistics of LEDBAT

Start at: 2018-07-24 07:27:12
End at: 2018-07-24 07:27:42
Local clock offset: -10.229 ms
Remote clock offset: 7.424 ms

Below is generated by plot.py at 2018-07-24 10:11:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.49 Mbit/s
95th percentile per-packet one-way delay: 86.059 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.49 Mbit/s
95th percentile per-packet one-way delay: 86.059 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-07-24 07:47:10

End at: 2018-07-24 07:47:40

Local clock offset: -6.793 ms

Remote clock offset: 8.328 ms

Below is generated by plot.py at 2018-07-24 10:11:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.07 Mbit/s

95th percentile per-packet one-way delay: 86.607 ms

Loss rate: 0.00%

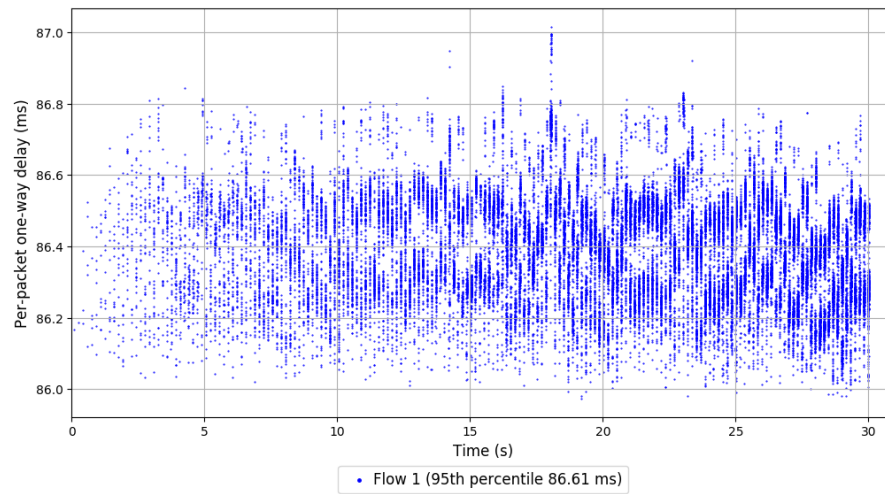
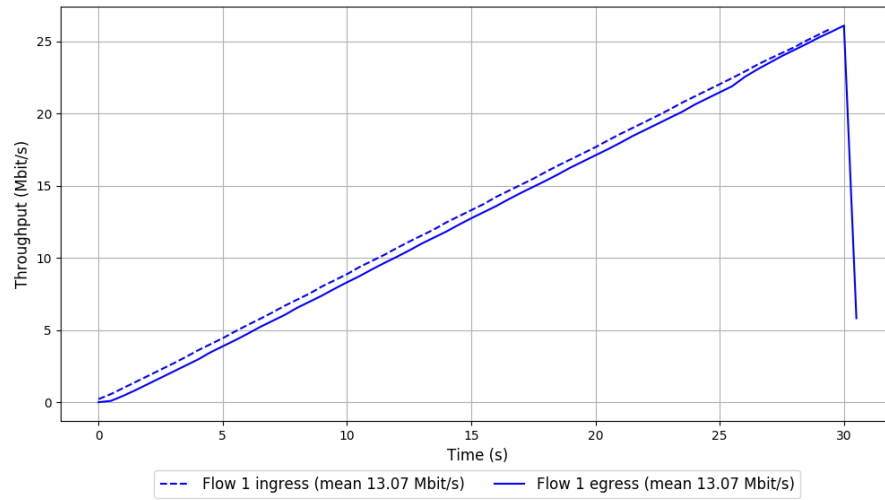
-- Flow 1:

Average throughput: 13.07 Mbit/s

95th percentile per-packet one-way delay: 86.607 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-07-24 08:07:01

End at: 2018-07-24 08:07:31

Local clock offset: -6.271 ms

Remote clock offset: 9.948 ms

Below is generated by plot.py at 2018-07-24 10:11:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.79 Mbit/s

95th percentile per-packet one-way delay: 87.940 ms

Loss rate: 0.03%

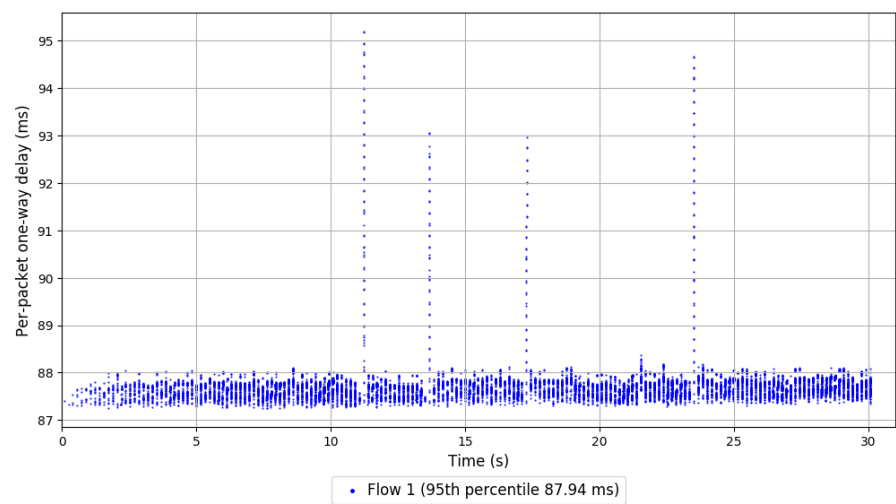
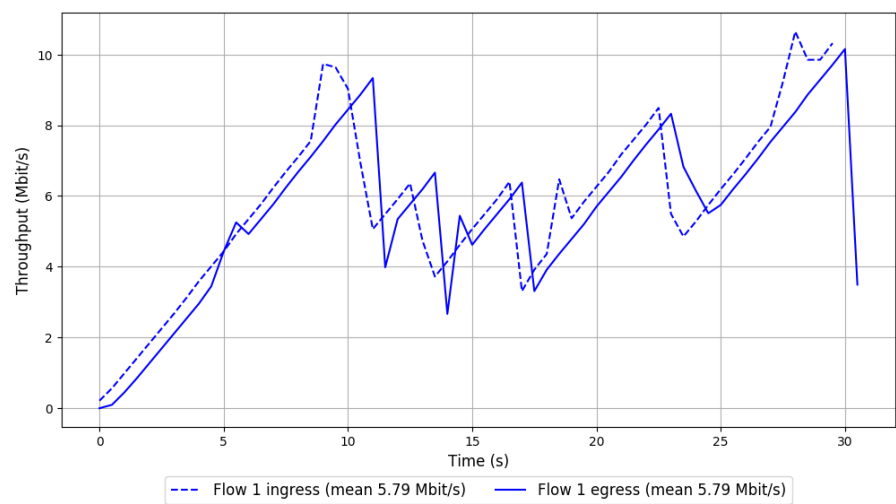
-- Flow 1:

Average throughput: 5.79 Mbit/s

95th percentile per-packet one-way delay: 87.940 ms

Loss rate: 0.03%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-07-24 08:26:58

End at: 2018-07-24 08:27:28

Local clock offset: -5.453 ms

Remote clock offset: 2.631 ms

Below is generated by plot.py at 2018-07-24 10:11:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.38 Mbit/s

95th percentile per-packet one-way delay: 79.791 ms

Loss rate: 0.00%

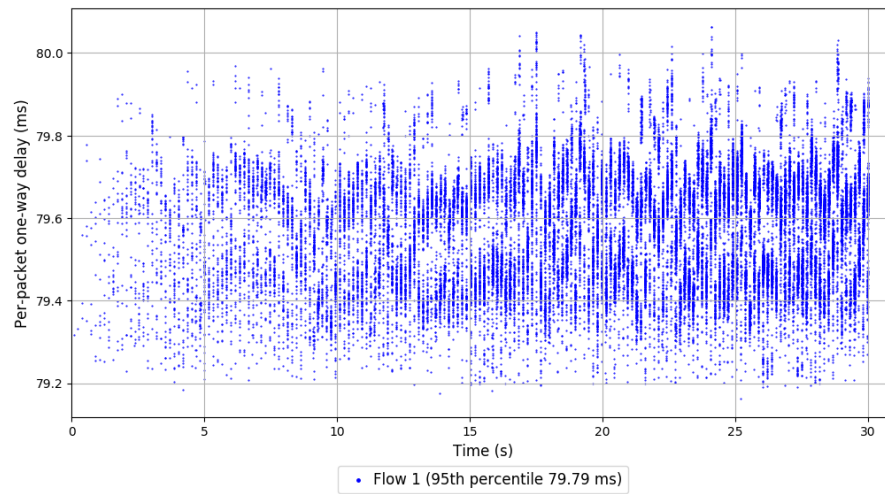
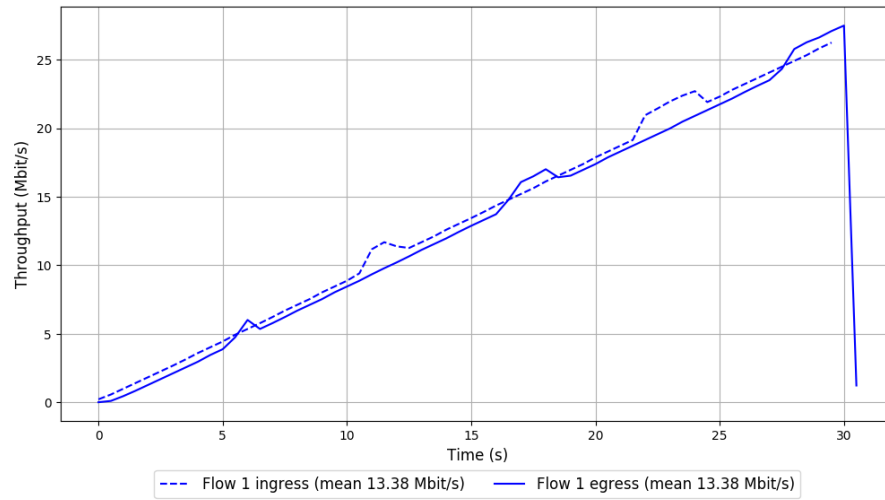
-- Flow 1:

Average throughput: 13.38 Mbit/s

95th percentile per-packet one-way delay: 79.791 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-07-24 08:46:50

End at: 2018-07-24 08:47:20

Local clock offset: -3.628 ms

Remote clock offset: 7.203 ms

Below is generated by plot.py at 2018-07-24 10:11:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.34 Mbit/s

95th percentile per-packet one-way delay: 84.956 ms

Loss rate: 0.00%

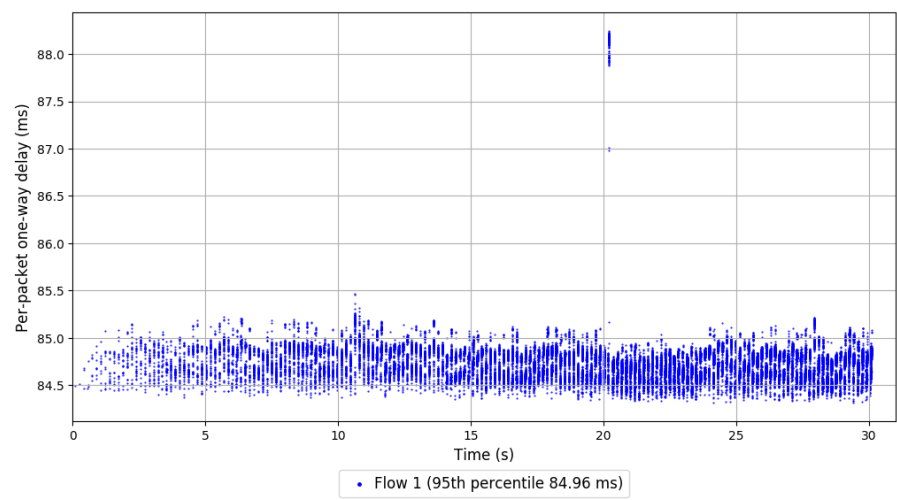
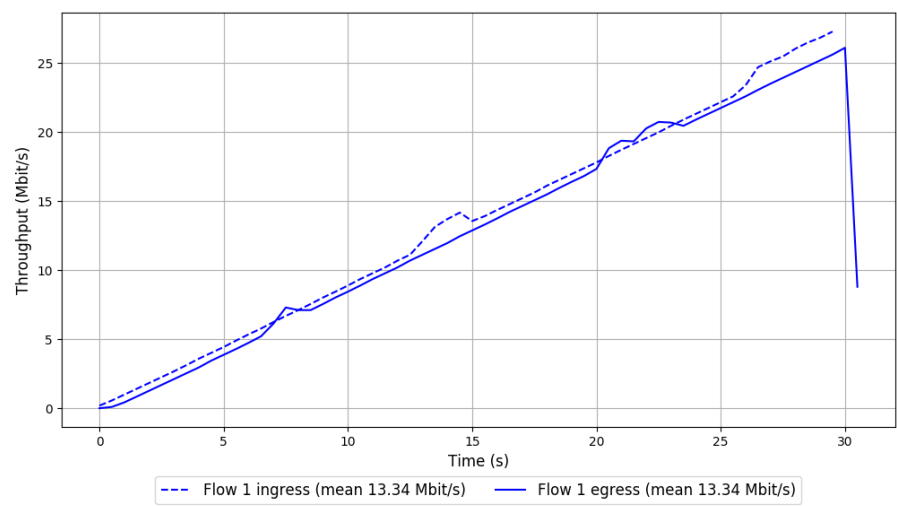
-- Flow 1:

Average throughput: 13.34 Mbit/s

95th percentile per-packet one-way delay: 84.956 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-07-24 09:06:39

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

Local clock offset: -5.499 ms

Remote clock offset: 5.018 ms

Below is generated by plot.py at 2018-07-24 10:11:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.36 Mbit/s

95th percentile per-packet one-way delay: 82.414 ms

Loss rate: 0.00%

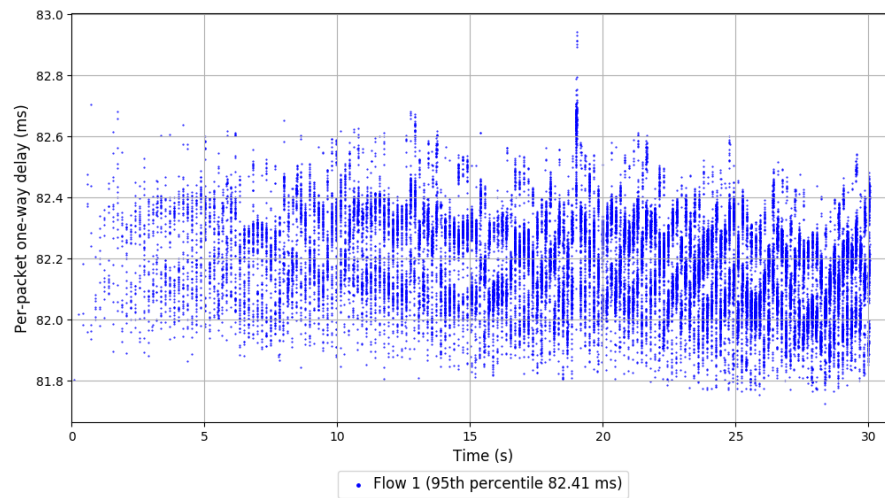
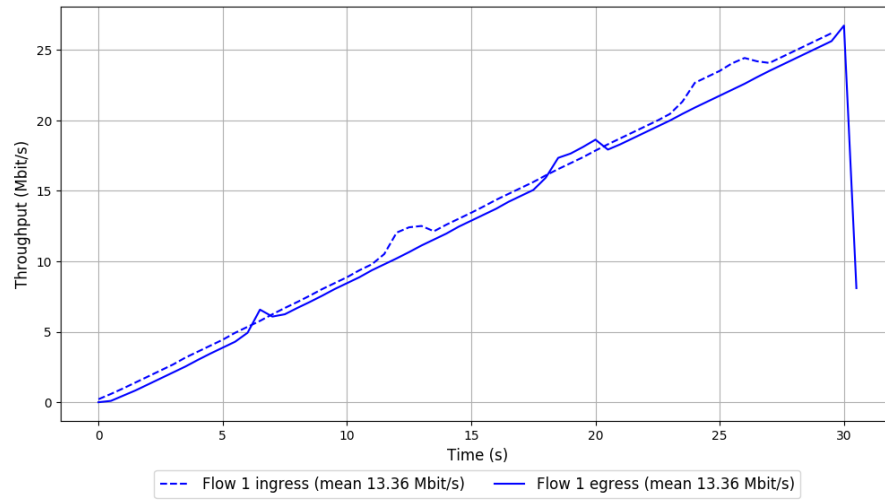
-- Flow 1:

Average throughput: 13.36 Mbit/s

95th percentile per-packet one-way delay: 82.414 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-07-24 09:26:30

End at: 2018-07-24 09:27:00

Local clock offset: -8.596 ms

Remote clock offset: 6.324 ms

Below is generated by plot.py at 2018-07-24 10:11:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.78 Mbit/s

95th percentile per-packet one-way delay: 79.826 ms

Loss rate: 0.00%

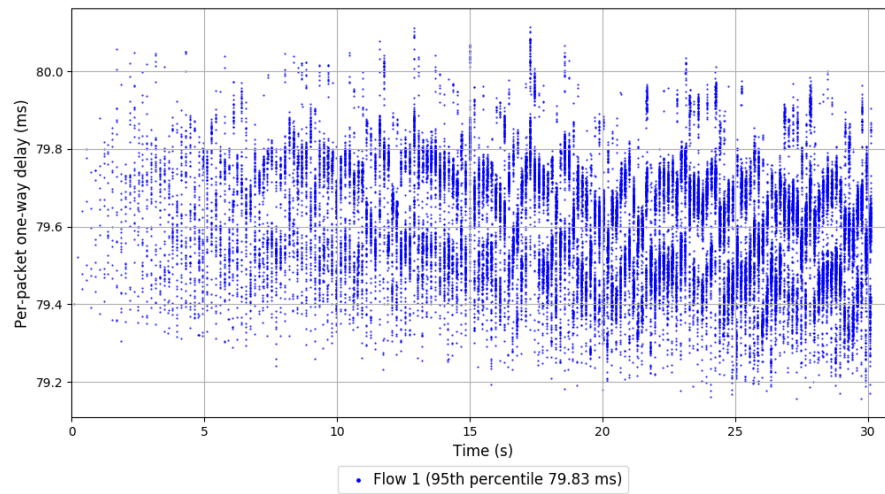
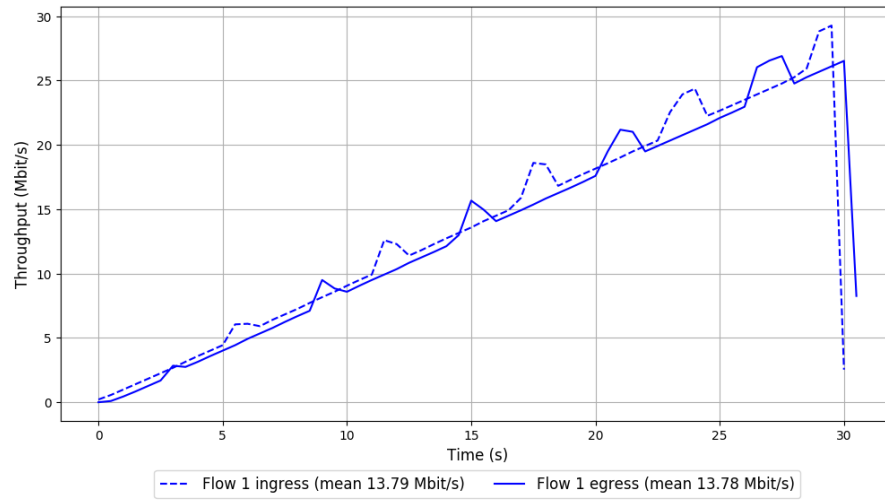
-- Flow 1:

Average throughput: 13.78 Mbit/s

95th percentile per-packet one-way delay: 79.826 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

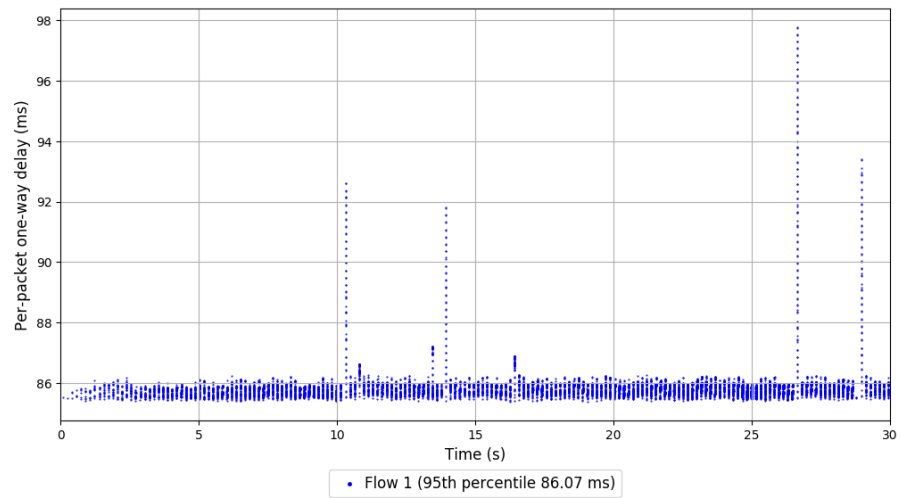
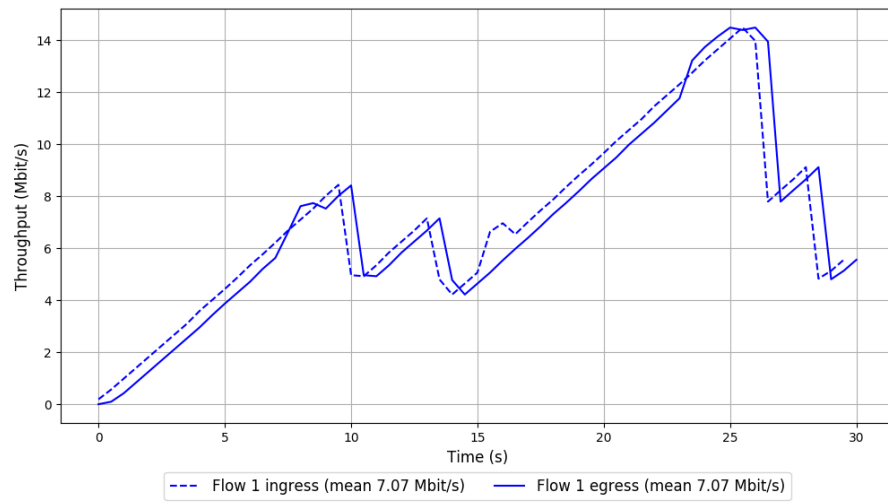


Run 10: Statistics of LEDBAT

Start at: 2018-07-24 09:46:20
End at: 2018-07-24 09:46:50
Local clock offset: -3.313 ms
Remote clock offset: 12.612 ms

Below is generated by plot.py at 2018-07-24 10:11:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.07 Mbit/s
95th percentile per-packet one-way delay: 86.072 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 7.07 Mbit/s
95th percentile per-packet one-way delay: 86.072 ms
Loss rate: 0.02%

Run 10: Report of LEDBAT — Data Link

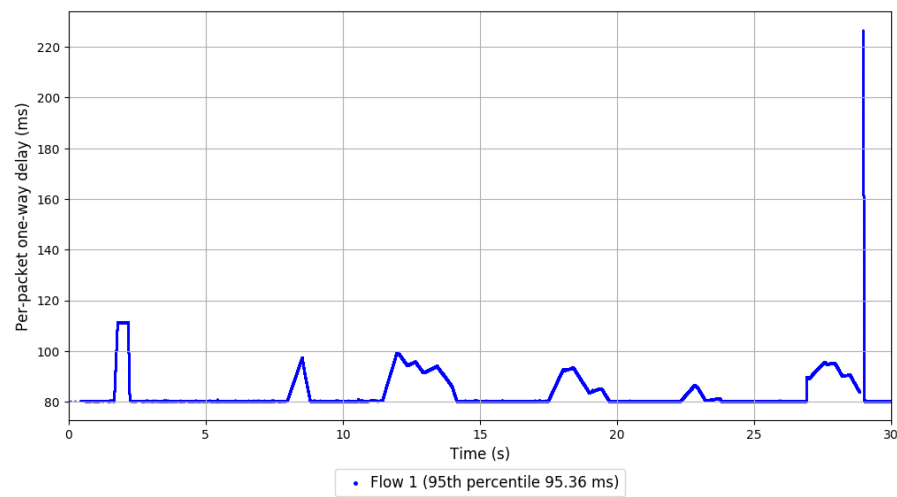
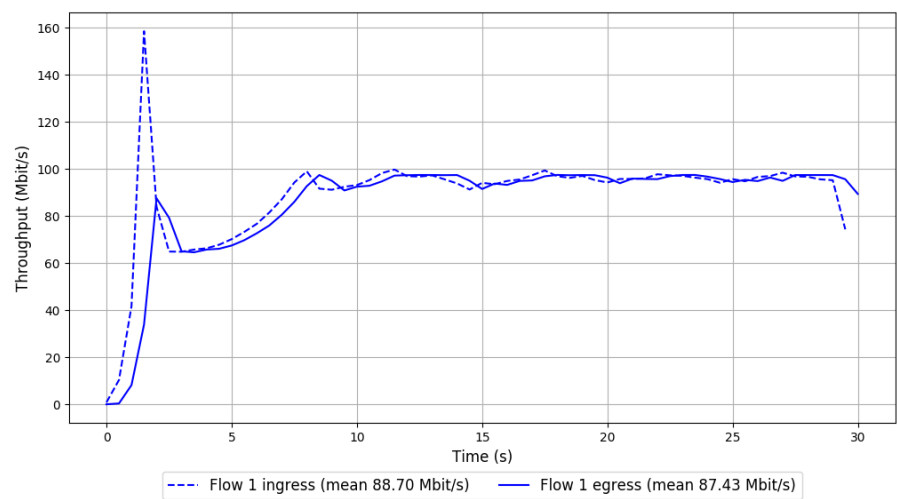


Run 1: Statistics of PCC-Allegro

Start at: 2018-07-24 06:55:32
End at: 2018-07-24 06:56:02
Local clock offset: -17.184 ms
Remote clock offset: 13.518 ms

Below is generated by plot.py at 2018-07-24 10:12:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.43 Mbit/s
95th percentile per-packet one-way delay: 95.364 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 87.43 Mbit/s
95th percentile per-packet one-way delay: 95.364 ms
Loss rate: 1.43%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-24 07:15:28

End at: 2018-07-24 07:15:58

Local clock offset: -9.441 ms

Remote clock offset: 5.781 ms

Below is generated by plot.py at 2018-07-24 10:12:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.46 Mbit/s

95th percentile per-packet one-way delay: 98.398 ms

Loss rate: 1.41%

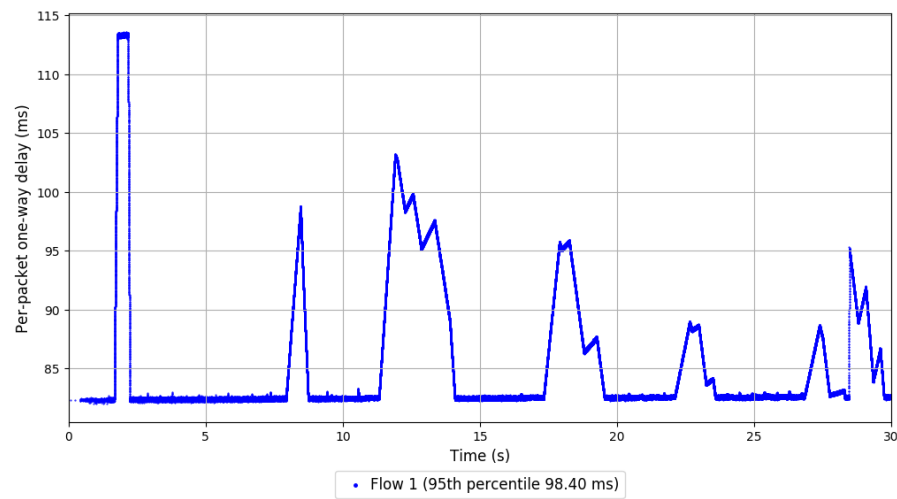
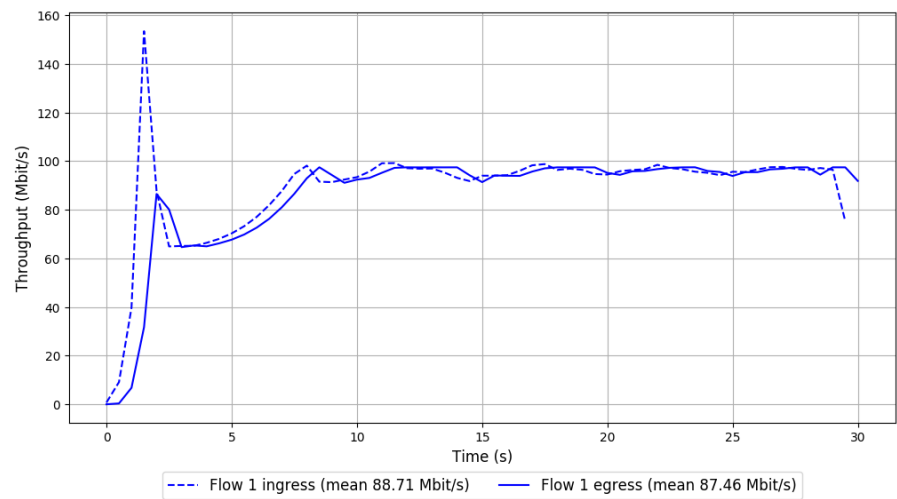
-- Flow 1:

Average throughput: 87.46 Mbit/s

95th percentile per-packet one-way delay: 98.398 ms

Loss rate: 1.41%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-24 07:35:25

End at: 2018-07-24 07:35:55

Local clock offset: -8.924 ms

Remote clock offset: 2.7 ms

Below is generated by plot.py at 2018-07-24 10:12:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.39 Mbit/s

95th percentile per-packet one-way delay: 94.046 ms

Loss rate: 1.47%

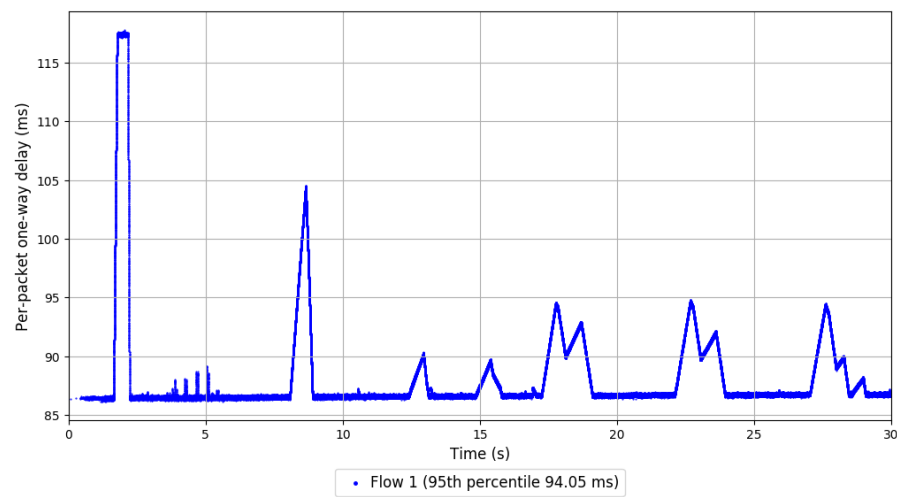
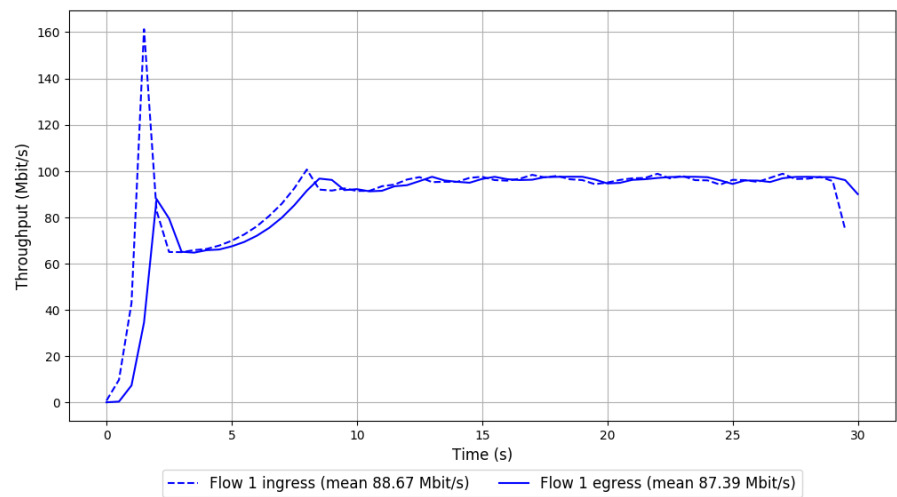
-- Flow 1:

Average throughput: 87.39 Mbit/s

95th percentile per-packet one-way delay: 94.046 ms

Loss rate: 1.47%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-24 07:55:19

End at: 2018-07-24 07:55:49

Local clock offset: -7.247 ms

Remote clock offset: 4.762 ms

Below is generated by plot.py at 2018-07-24 10:12:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.43 Mbit/s

95th percentile per-packet one-way delay: 88.049 ms

Loss rate: 1.40%

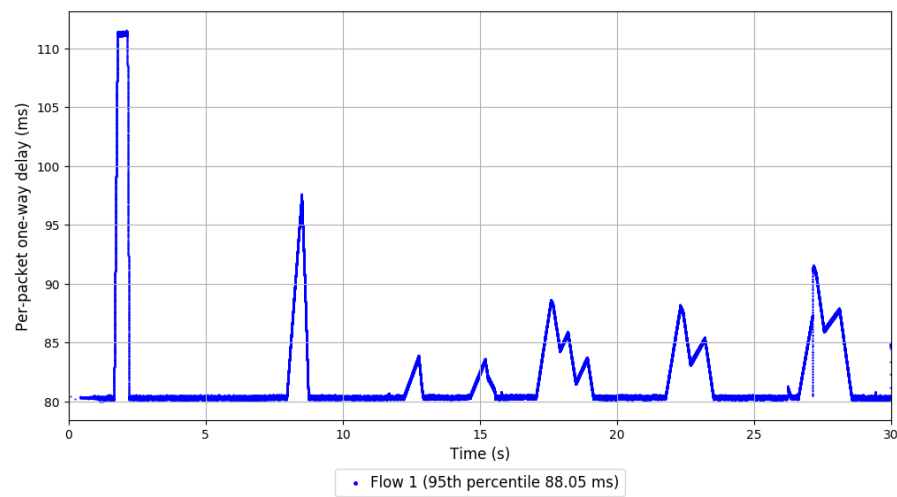
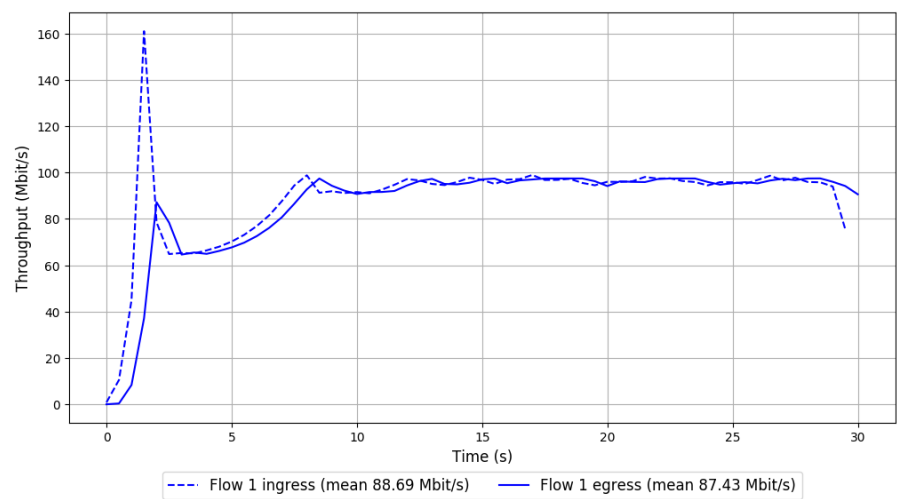
-- Flow 1:

Average throughput: 87.43 Mbit/s

95th percentile per-packet one-way delay: 88.049 ms

Loss rate: 1.40%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-24 08:15:11

End at: 2018-07-24 08:15:41

Local clock offset: -5.165 ms

Remote clock offset: 7.183 ms

Below is generated by plot.py at 2018-07-24 10:12:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.23 Mbit/s

95th percentile per-packet one-way delay: 99.788 ms

Loss rate: 1.41%

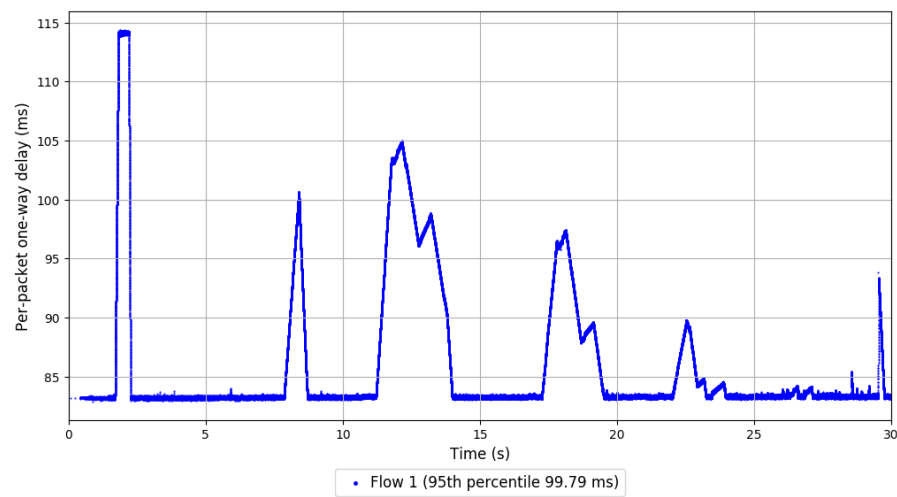
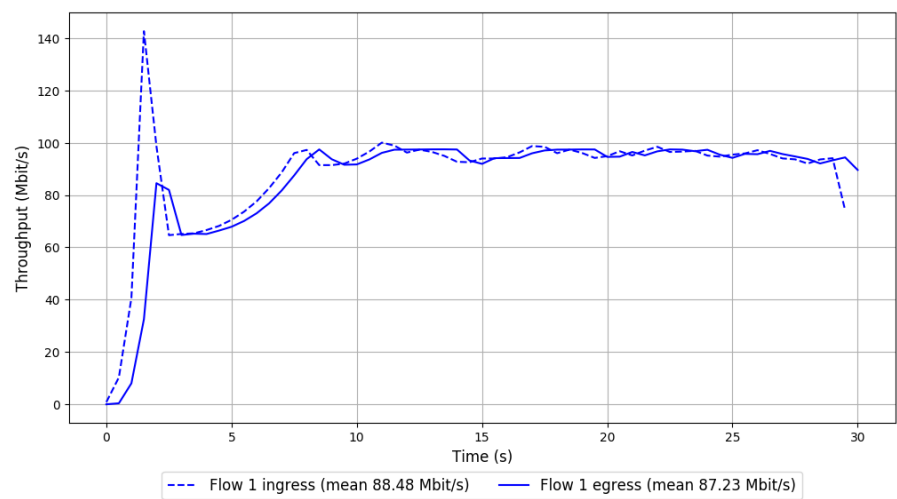
-- Flow 1:

Average throughput: 87.23 Mbit/s

95th percentile per-packet one-way delay: 99.788 ms

Loss rate: 1.41%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-24 08:35:06

End at: 2018-07-24 08:35:36

Local clock offset: -4.876 ms

Remote clock offset: 7.27 ms

Below is generated by plot.py at 2018-07-24 10:12:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.31 Mbit/s

95th percentile per-packet one-way delay: 107.158 ms

Loss rate: 1.46%

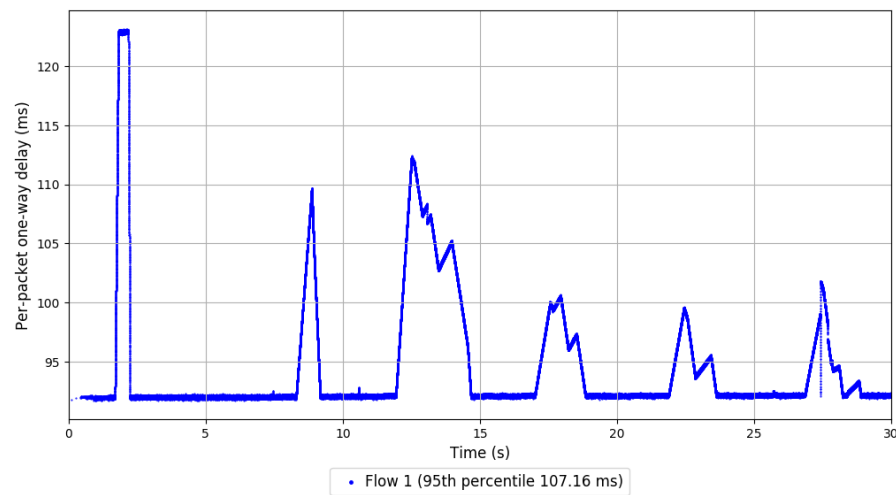
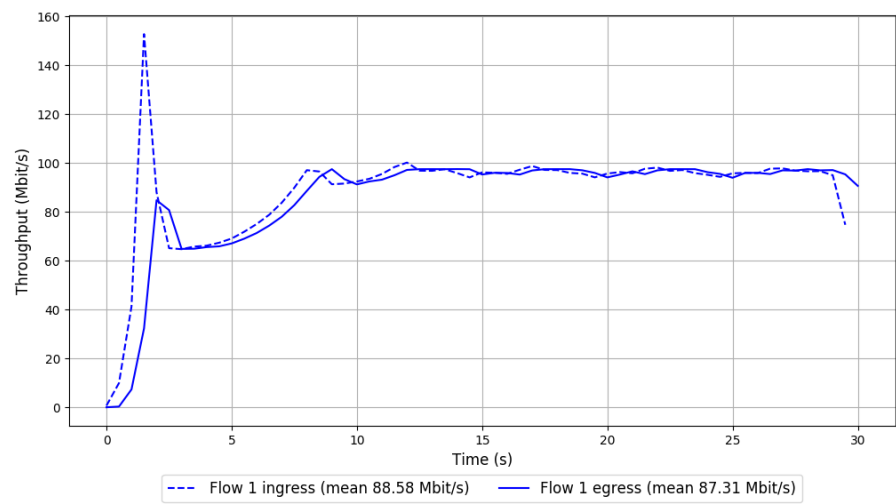
-- Flow 1:

Average throughput: 87.31 Mbit/s

95th percentile per-packet one-way delay: 107.158 ms

Loss rate: 1.46%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-24 08:54:56

End at: 2018-07-24 08:55:27

Local clock offset: -3.621 ms

Remote clock offset: 3.436 ms

Below is generated by plot.py at 2018-07-24 10:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.33 Mbit/s

95th percentile per-packet one-way delay: 102.867 ms

Loss rate: 1.49%

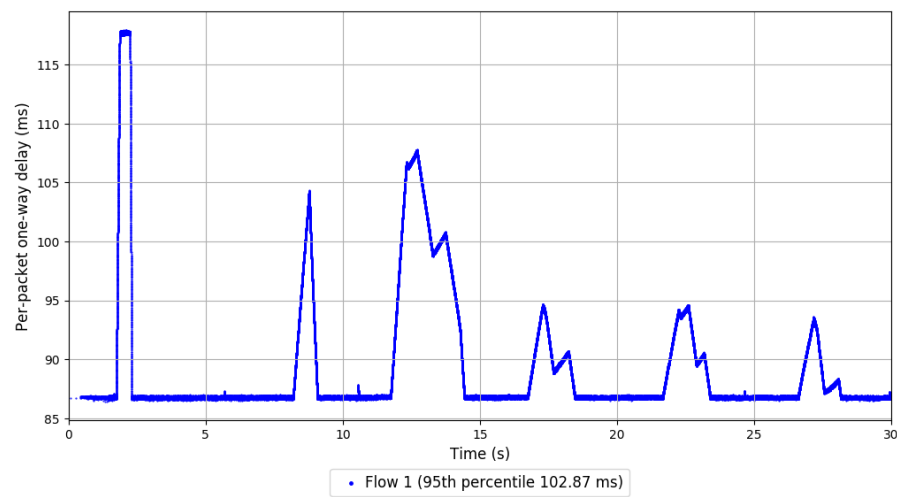
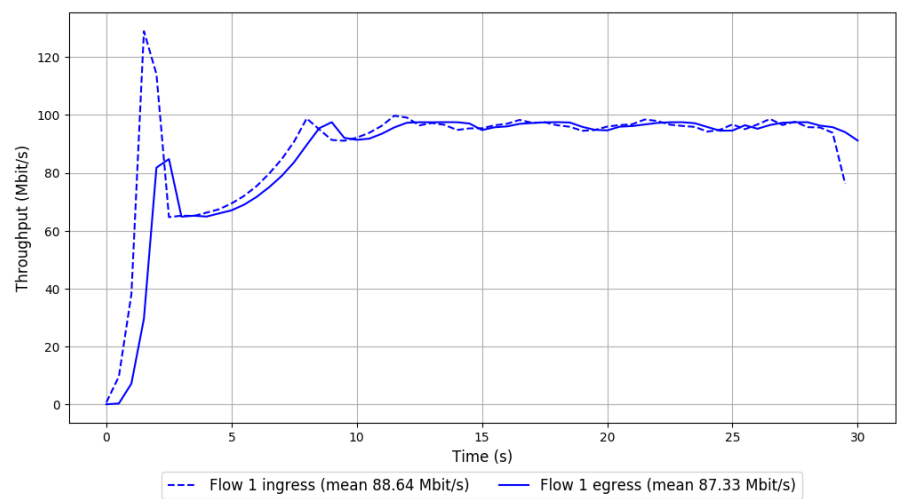
-- Flow 1:

Average throughput: 87.33 Mbit/s

95th percentile per-packet one-way delay: 102.867 ms

Loss rate: 1.49%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-24 09:14:45

End at: 2018-07-24 09:15:15

Local clock offset: -7.167 ms

Remote clock offset: 9.149 ms

Below is generated by plot.py at 2018-07-24 10:12:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.71 Mbit/s

95th percentile per-packet one-way delay: 99.610 ms

Loss rate: 1.39%

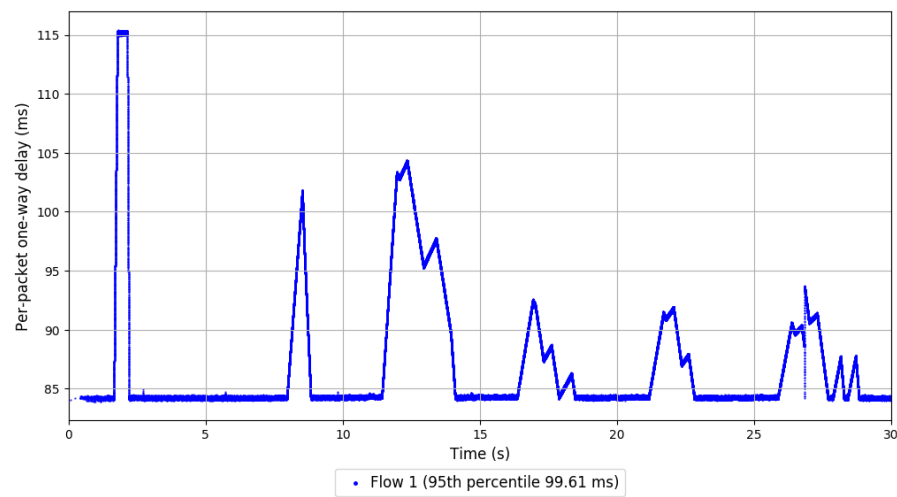
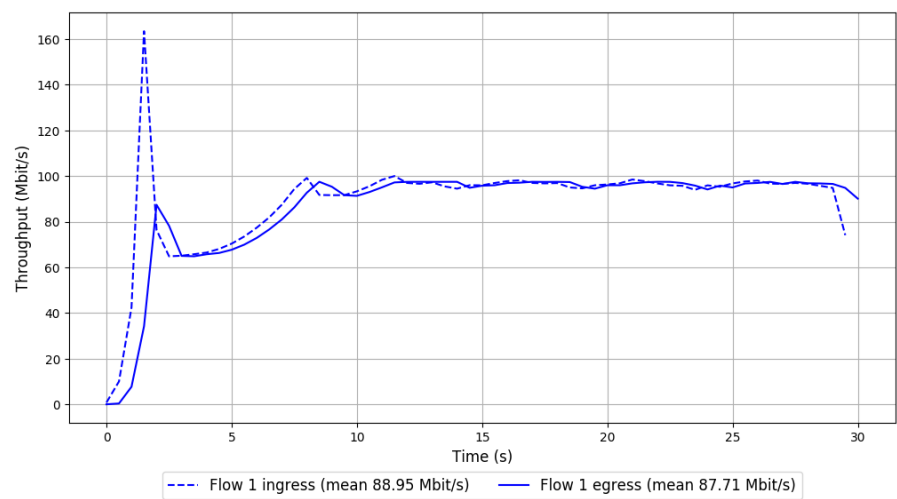
-- Flow 1:

Average throughput: 87.71 Mbit/s

95th percentile per-packet one-way delay: 99.610 ms

Loss rate: 1.39%

Run 8: Report of PCC-Allegro — Data Link

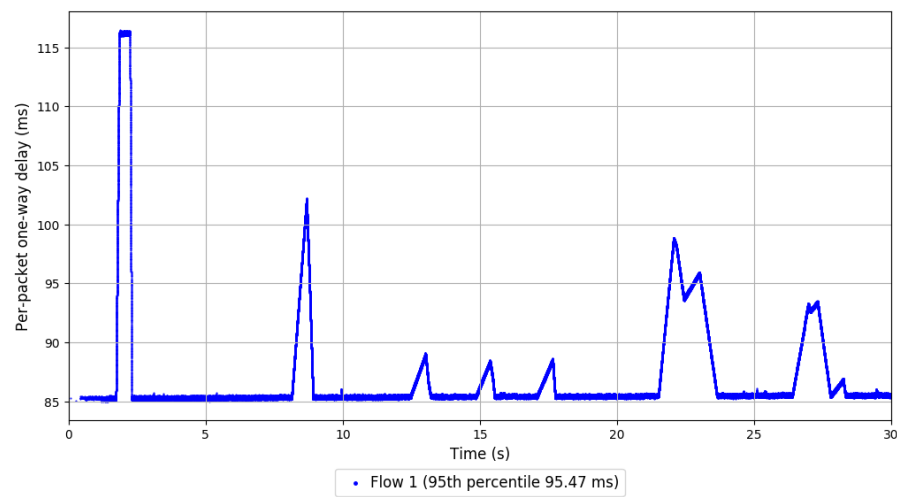
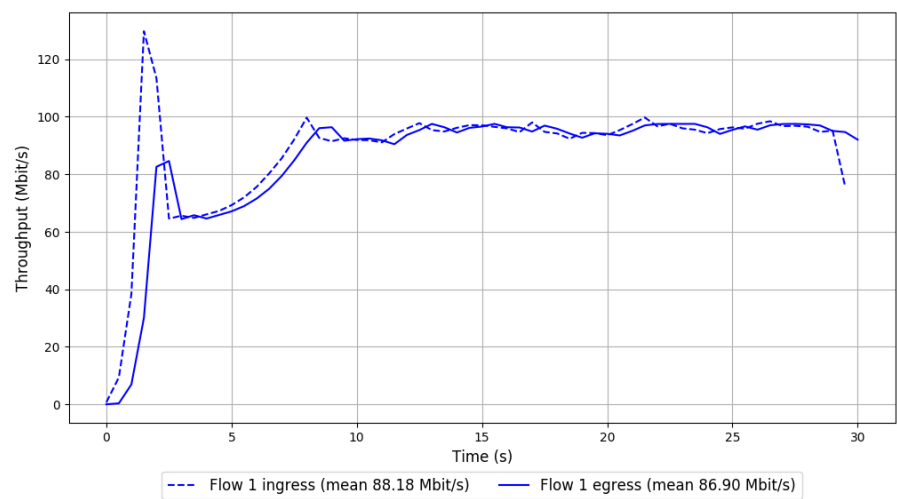


Run 9: Statistics of PCC-Allegro

Start at: 2018-07-24 09:34:39
End at: 2018-07-24 09:35:09
Local clock offset: -7.072 ms
Remote clock offset: 11.702 ms

Below is generated by plot.py at 2018-07-24 10:13:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.90 Mbit/s
95th percentile per-packet one-way delay: 95.471 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 86.90 Mbit/s
95th percentile per-packet one-way delay: 95.471 ms
Loss rate: 1.45%

Run 9: Report of PCC-Allegro — Data Link

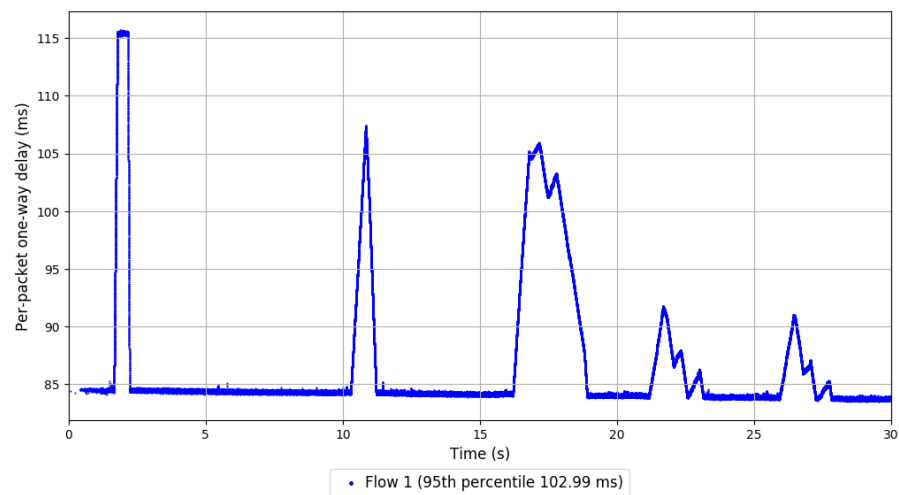
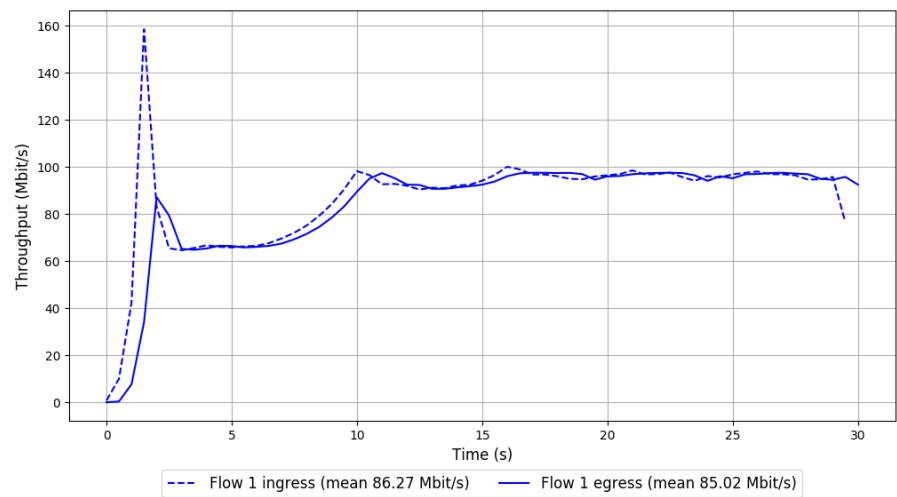


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-24 09:54:27
End at: 2018-07-24 09:54:57
Local clock offset: -2.377 ms
Remote clock offset: 15.834 ms

Below is generated by plot.py at 2018-07-24 10:13:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.02 Mbit/s
95th percentile per-packet one-way delay: 102.987 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 85.02 Mbit/s
95th percentile per-packet one-way delay: 102.987 ms
Loss rate: 1.46%

Run 10: Report of PCC-Allegro — Data Link

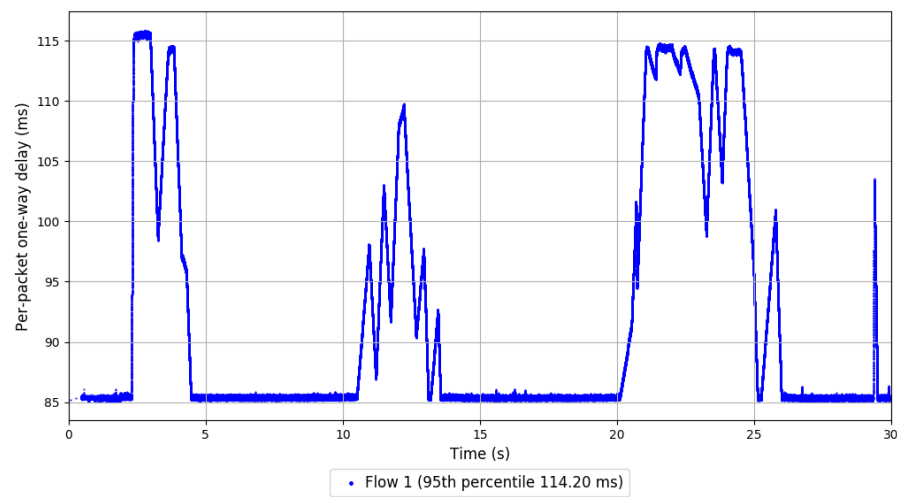
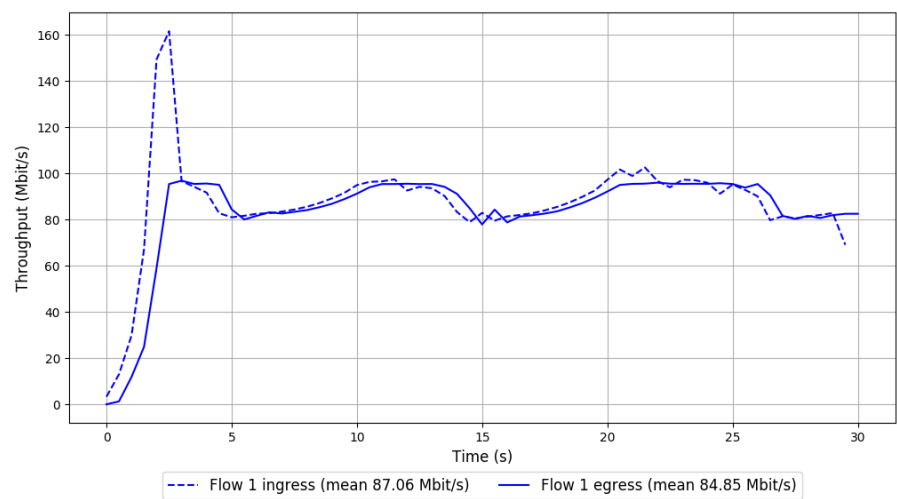


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-24 06:45:01
End at: 2018-07-24 06:45:31
Local clock offset: -16.046 ms
Remote clock offset: 10.63 ms

# Below is generated by plot.py at 2018-07-24 10:14:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.85 Mbit/s
95th percentile per-packet one-way delay: 114.197 ms
Loss rate: 2.56%
-- Flow 1:
Average throughput: 84.85 Mbit/s
95th percentile per-packet one-way delay: 114.197 ms
Loss rate: 2.56%
```


Run 1: Report of PCC-Expr — Data Link

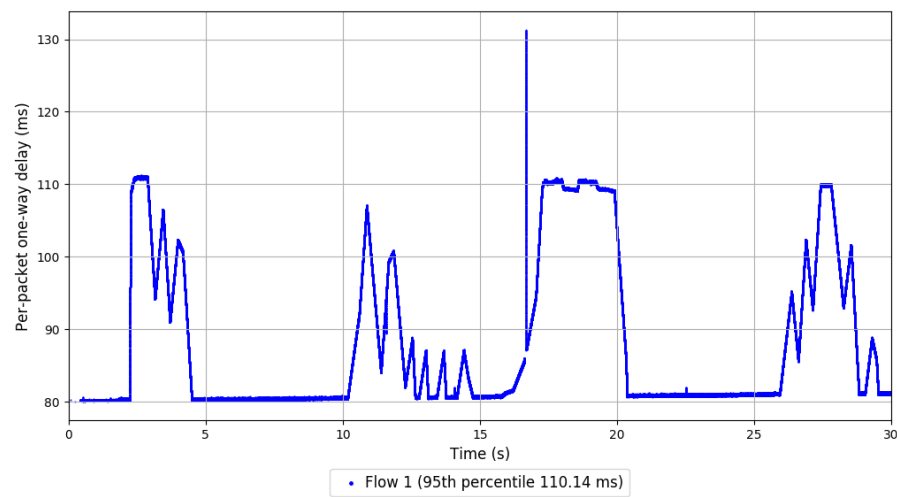
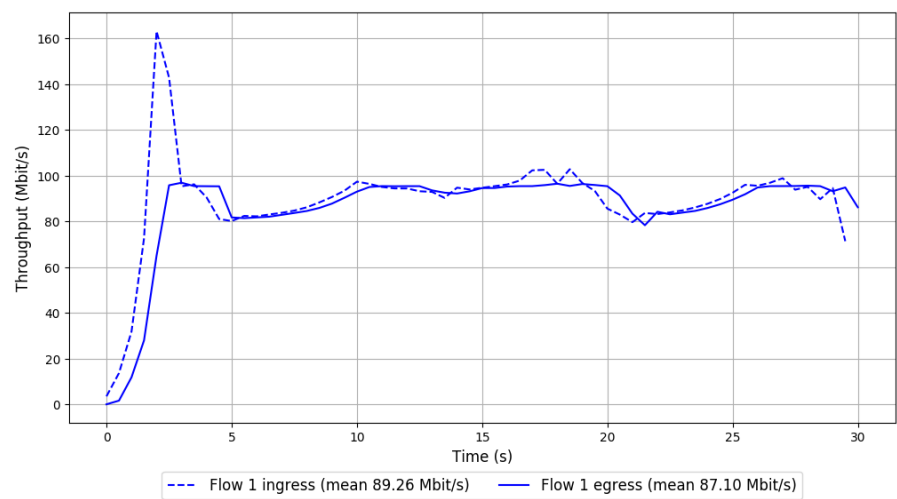


Run 2: Statistics of PCC-Expr

Start at: 2018-07-24 07:04:57
End at: 2018-07-24 07:05:27
Local clock offset: -15.132 ms
Remote clock offset: 10.708 ms

Below is generated by plot.py at 2018-07-24 10:14:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.10 Mbit/s
95th percentile per-packet one-way delay: 110.140 ms
Loss rate: 2.42%
-- Flow 1:
Average throughput: 87.10 Mbit/s
95th percentile per-packet one-way delay: 110.140 ms
Loss rate: 2.42%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-07-24 07:24:52

End at: 2018-07-24 07:25:22

Local clock offset: -9.839 ms

Remote clock offset: 7.686 ms

Below is generated by plot.py at 2018-07-24 10:14:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.38 Mbit/s

95th percentile per-packet one-way delay: 115.558 ms

Loss rate: 2.60%

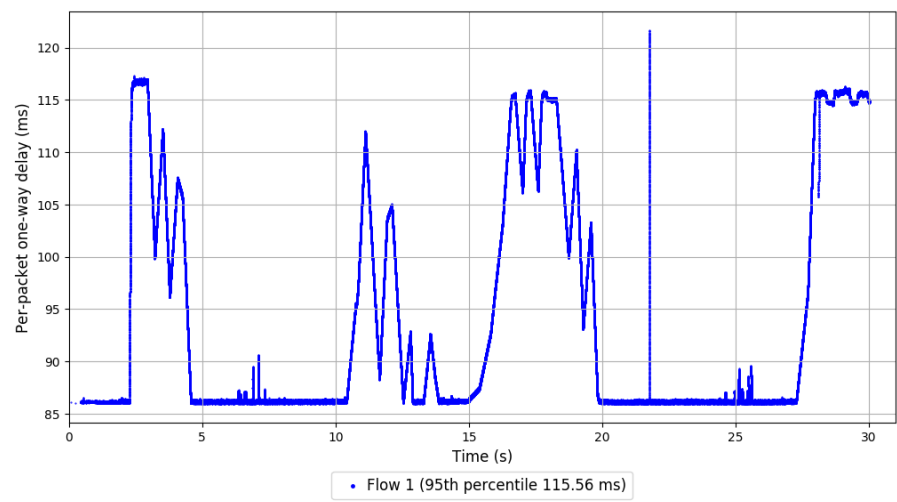
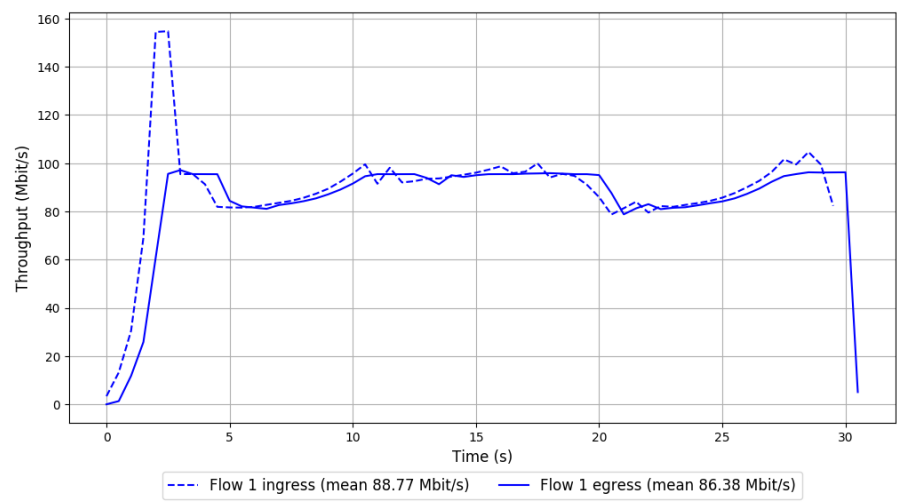
-- Flow 1:

Average throughput: 86.38 Mbit/s

95th percentile per-packet one-way delay: 115.558 ms

Loss rate: 2.60%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-24 07:44:50

End at: 2018-07-24 07:45:20

Local clock offset: -6.808 ms

Remote clock offset: 4.225 ms

Below is generated by plot.py at 2018-07-24 10:14:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.02 Mbit/s

95th percentile per-packet one-way delay: 111.389 ms

Loss rate: 2.47%

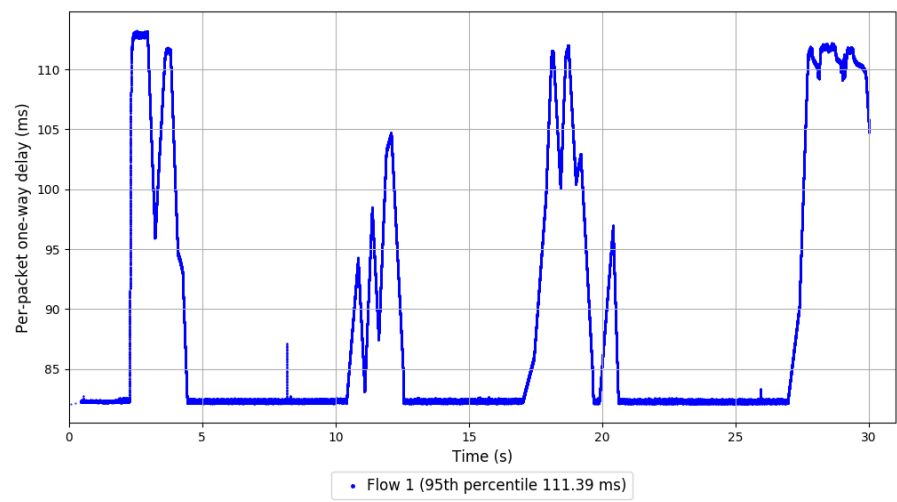
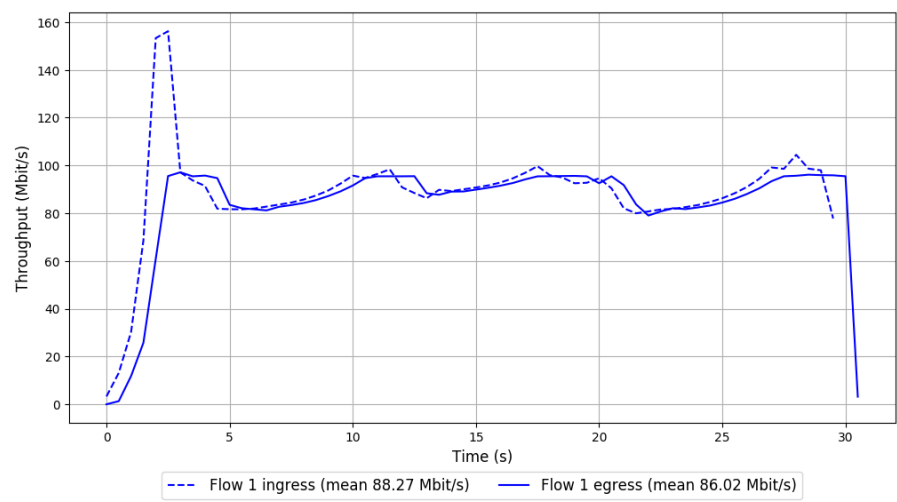
-- Flow 1:

Average throughput: 86.02 Mbit/s

95th percentile per-packet one-way delay: 111.389 ms

Loss rate: 2.47%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-24 08:04:41

End at: 2018-07-24 08:05:11

Local clock offset: -6.891 ms

Remote clock offset: 4.878 ms

Below is generated by plot.py at 2018-07-24 10:14:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.94 Mbit/s

95th percentile per-packet one-way delay: 116.885 ms

Loss rate: 2.43%

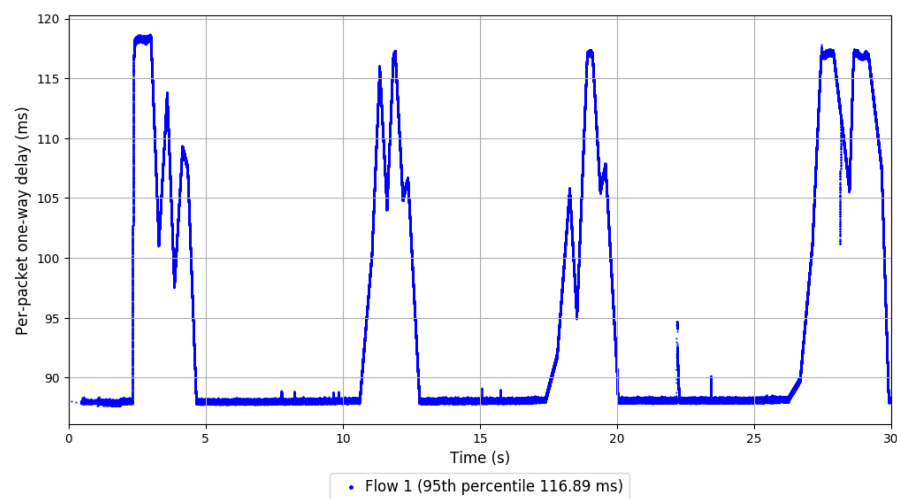
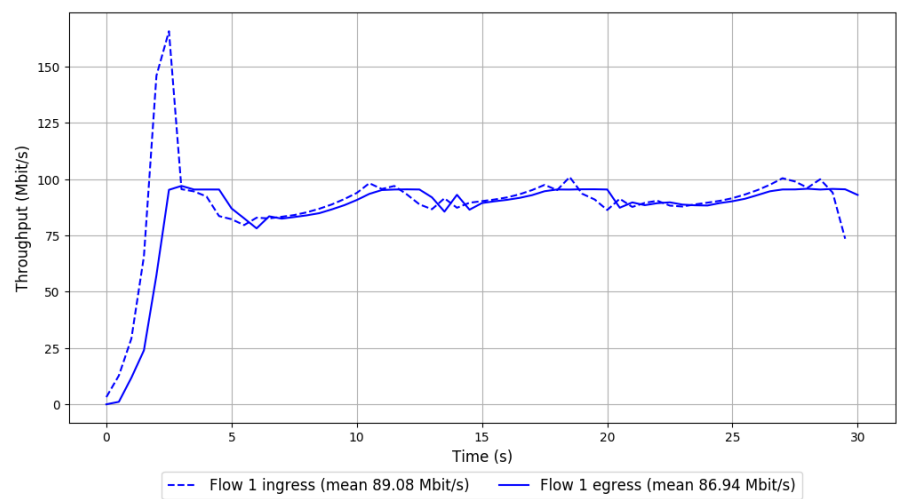
-- Flow 1:

Average throughput: 86.94 Mbit/s

95th percentile per-packet one-way delay: 116.885 ms

Loss rate: 2.43%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-07-24 08:24:37

End at: 2018-07-24 08:25:07

Local clock offset: -5.318 ms

Remote clock offset: 7.773 ms

Below is generated by plot.py at 2018-07-24 10:14:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.25 Mbit/s

95th percentile per-packet one-way delay: 114.101 ms

Loss rate: 2.41%

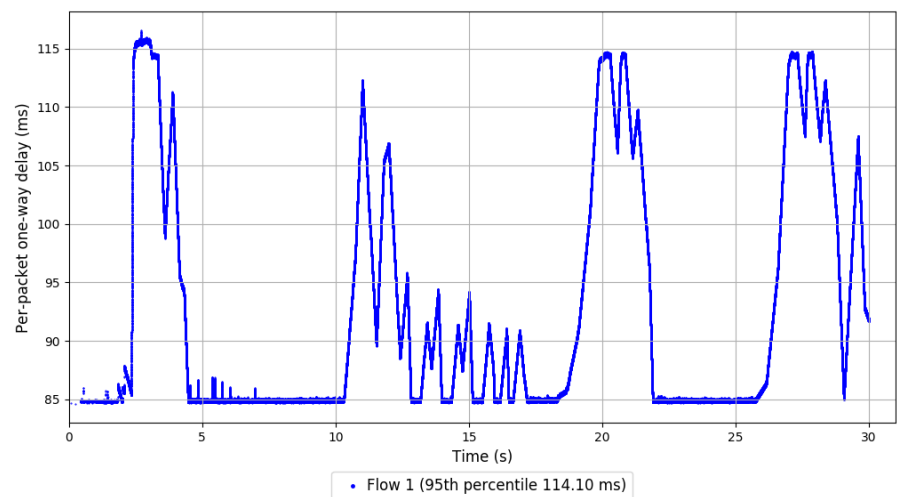
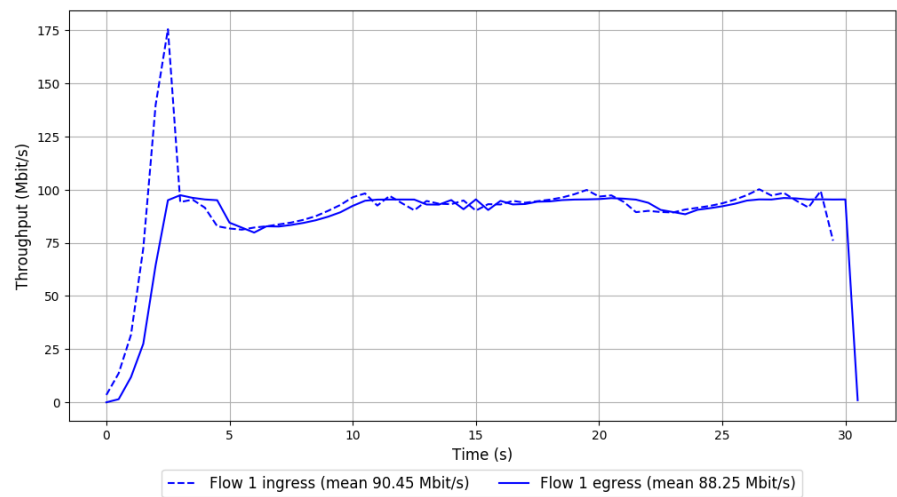
-- Flow 1:

Average throughput: 88.25 Mbit/s

95th percentile per-packet one-way delay: 114.101 ms

Loss rate: 2.41%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-07-24 08:44:30

End at: 2018-07-24 08:45:00

Local clock offset: -3.763 ms

Remote clock offset: 1.927 ms

Below is generated by plot.py at 2018-07-24 10:15:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.75 Mbit/s

95th percentile per-packet one-way delay: 107.936 ms

Loss rate: 2.21%

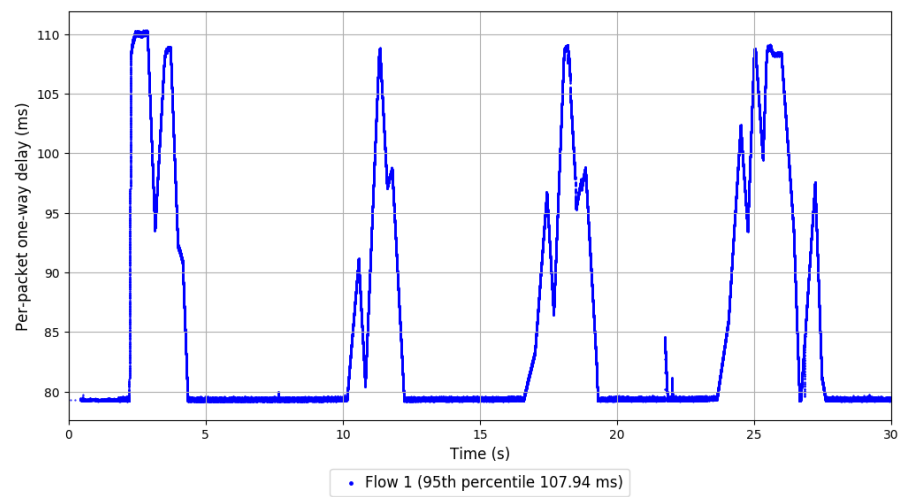
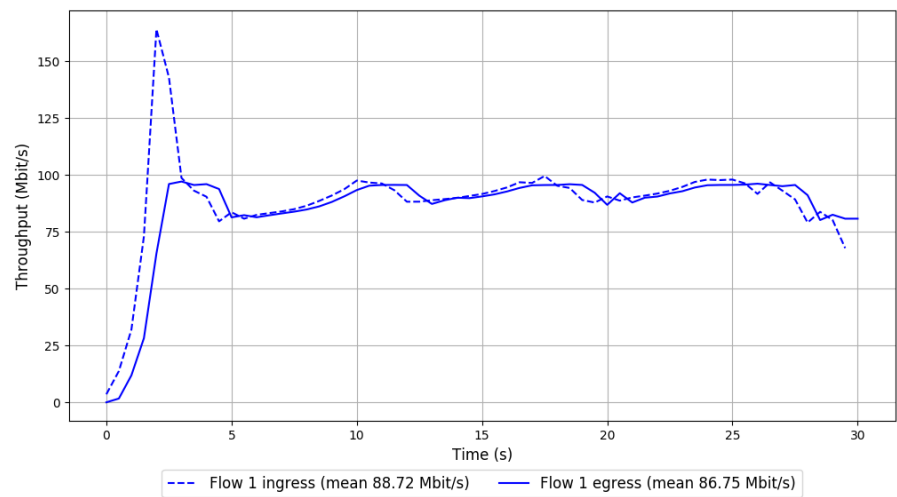
-- Flow 1:

Average throughput: 86.75 Mbit/s

95th percentile per-packet one-way delay: 107.936 ms

Loss rate: 2.21%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-07-24 09:04:19

End at: 2018-07-24 09:04:49

Local clock offset: -4.787 ms

Remote clock offset: 3.938 ms

Below is generated by plot.py at 2018-07-24 10:15:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.80 Mbit/s

95th percentile per-packet one-way delay: 108.891 ms

Loss rate: 2.31%

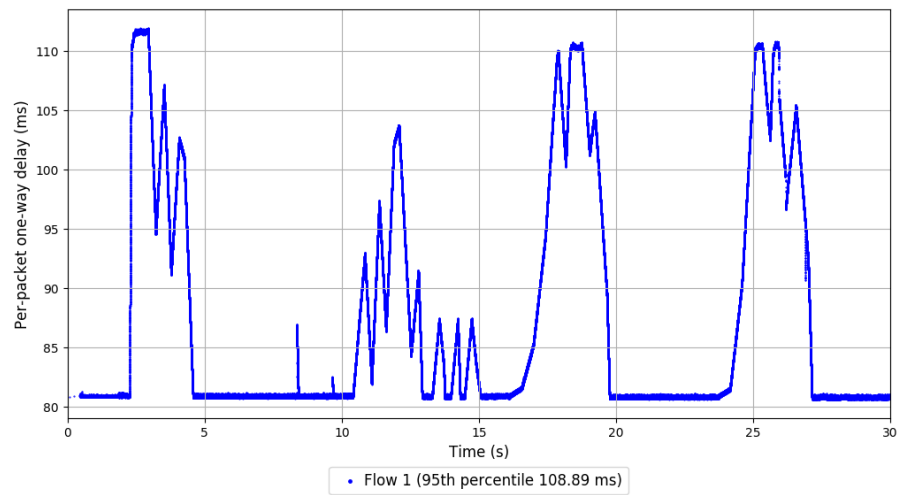
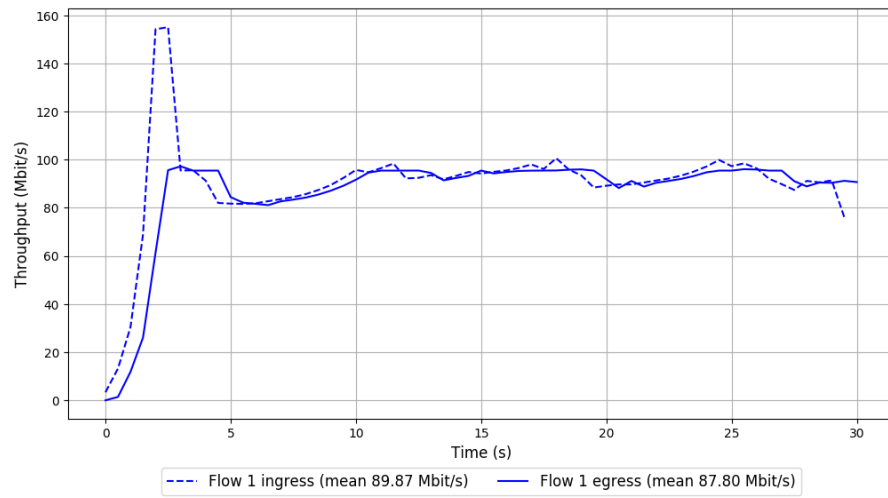
-- Flow 1:

Average throughput: 87.80 Mbit/s

95th percentile per-packet one-way delay: 108.891 ms

Loss rate: 2.31%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-07-24 09:24:08

End at: 2018-07-24 09:24:38

Local clock offset: -8.33 ms

Remote clock offset: 11.83 ms

Below is generated by plot.py at 2018-07-24 10:16:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.84 Mbit/s

95th percentile per-packet one-way delay: 115.188 ms

Loss rate: 2.36%

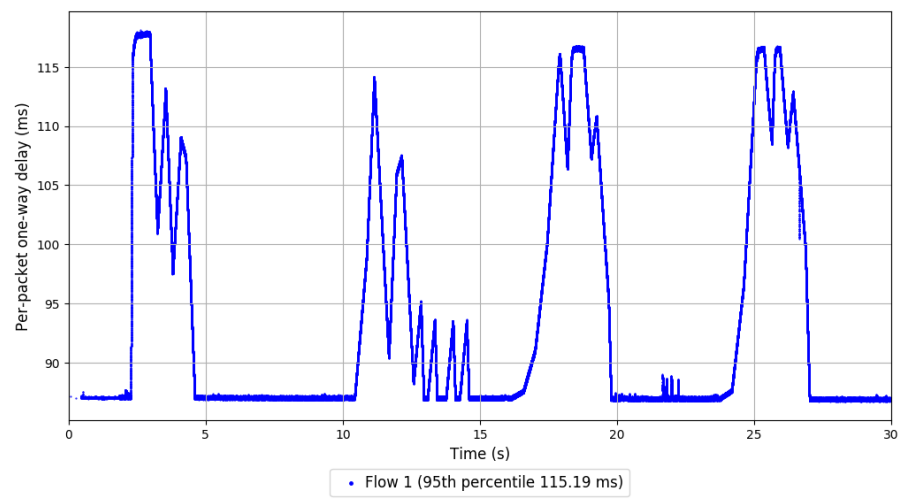
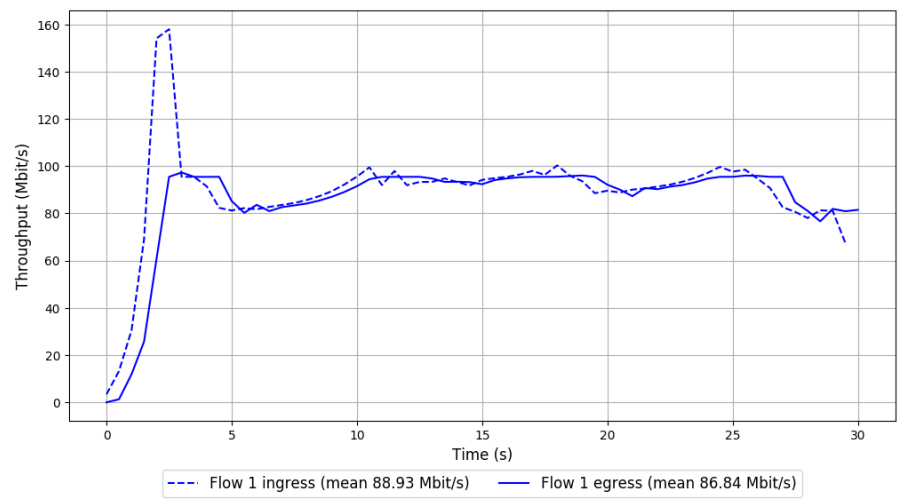
-- Flow 1:

Average throughput: 86.84 Mbit/s

95th percentile per-packet one-way delay: 115.188 ms

Loss rate: 2.36%

Run 9: Report of PCC-Expr — Data Link

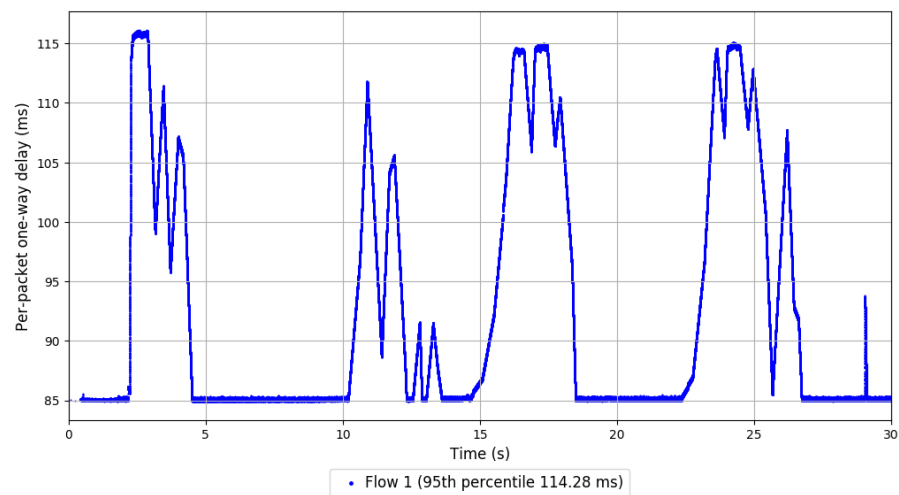
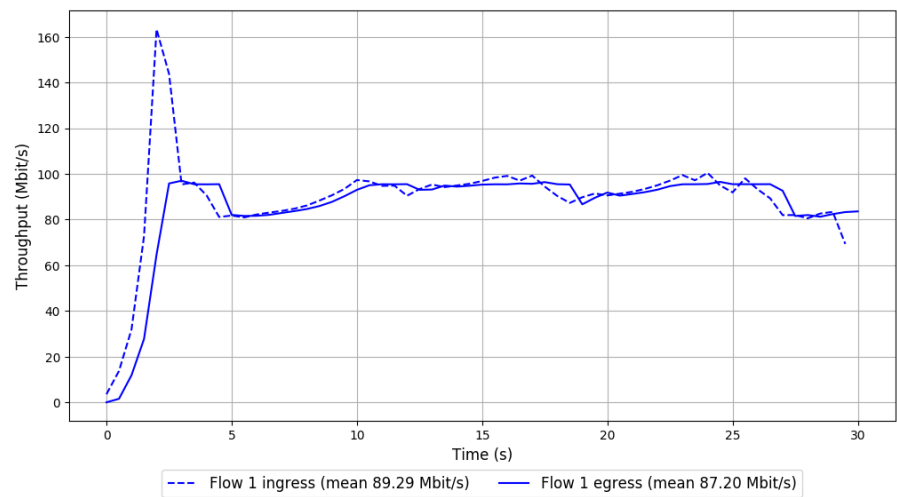


Run 10: Statistics of PCC-Expr

Start at: 2018-07-24 09:43:59
End at: 2018-07-24 09:44:29
Local clock offset: -3.714 ms
Remote clock offset: 13.526 ms

Below is generated by plot.py at 2018-07-24 10:16:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.20 Mbit/s
95th percentile per-packet one-way delay: 114.279 ms
Loss rate: 2.33%
-- Flow 1:
Average throughput: 87.20 Mbit/s
95th percentile per-packet one-way delay: 114.279 ms
Loss rate: 2.33%

Run 10: Report of PCC-Expr — Data Link

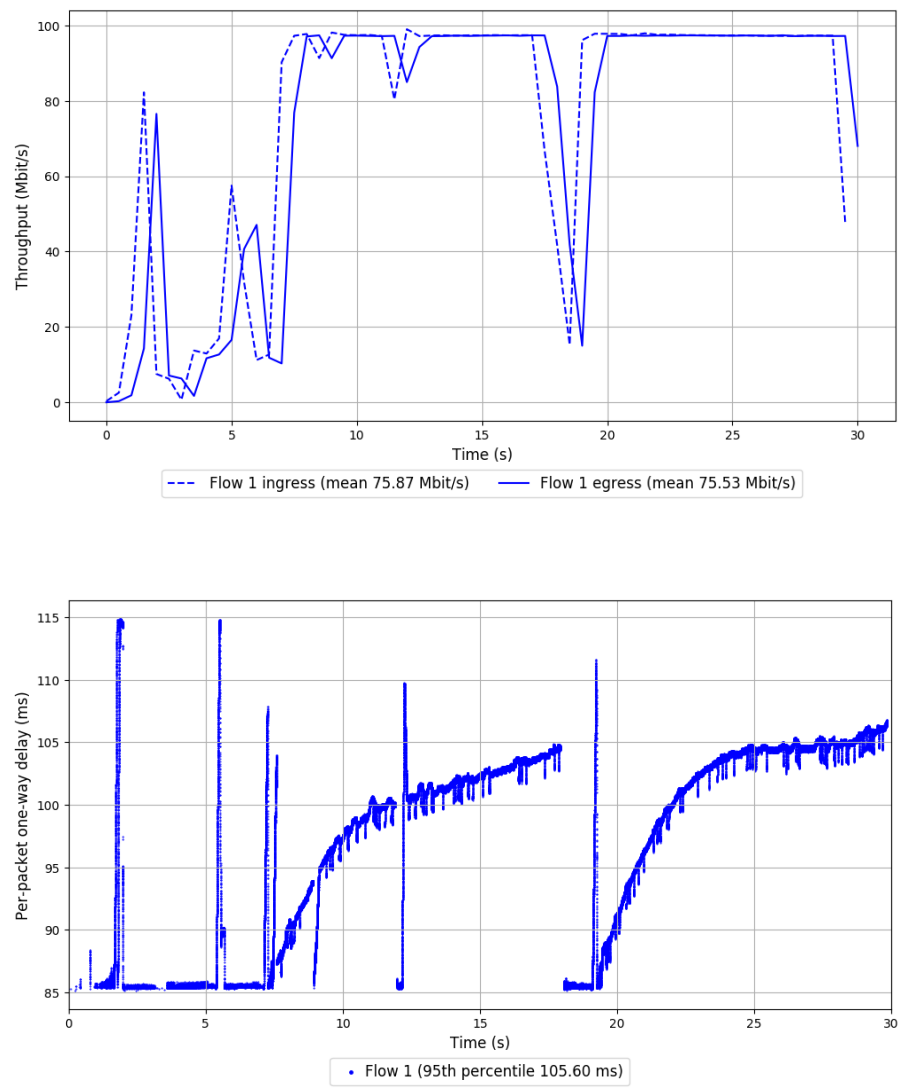


Run 1: Statistics of QUIC Cubic

Start at: 2018-07-24 06:48:29
End at: 2018-07-24 06:48:59
Local clock offset: -15.741 ms
Remote clock offset: 15.191 ms

Below is generated by plot.py at 2018-07-24 10:16:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.53 Mbit/s
95th percentile per-packet one-way delay: 105.602 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 75.53 Mbit/s
95th percentile per-packet one-way delay: 105.602 ms
Loss rate: 0.38%

Run 1: Report of QUIC Cubic — Data Link

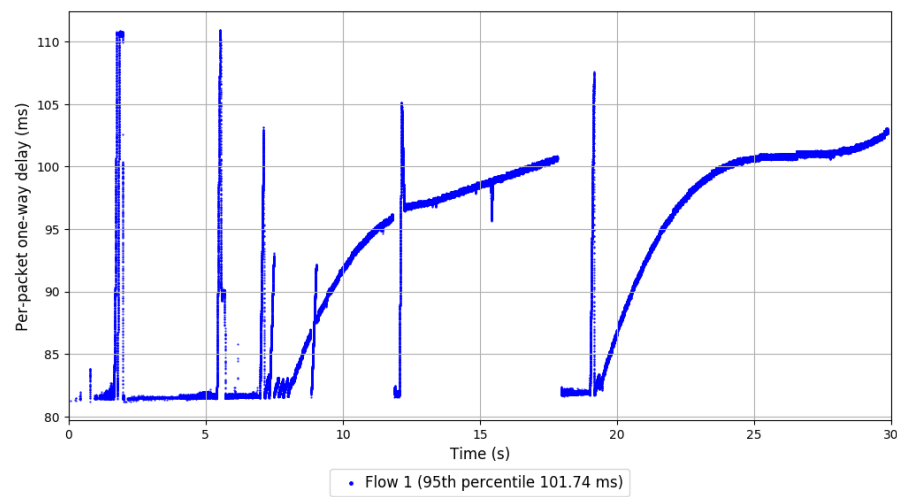
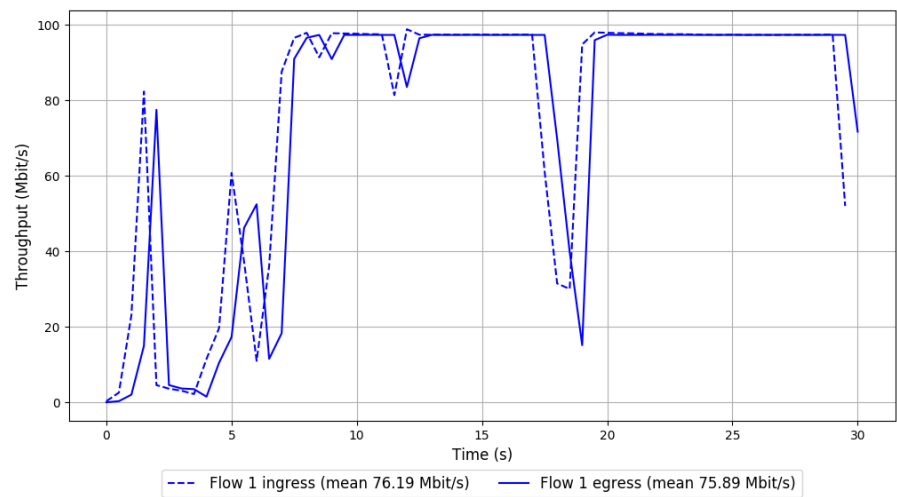


Run 2: Statistics of QUIC Cubic

Start at: 2018-07-24 07:08:26
End at: 2018-07-24 07:08:56
Local clock offset: -11.887 ms
Remote clock offset: 8.013 ms

Below is generated by plot.py at 2018-07-24 10:16:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.89 Mbit/s
95th percentile per-packet one-way delay: 101.740 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 75.89 Mbit/s
95th percentile per-packet one-way delay: 101.740 ms
Loss rate: 0.32%

Run 2: Report of QUIC Cubic — Data Link

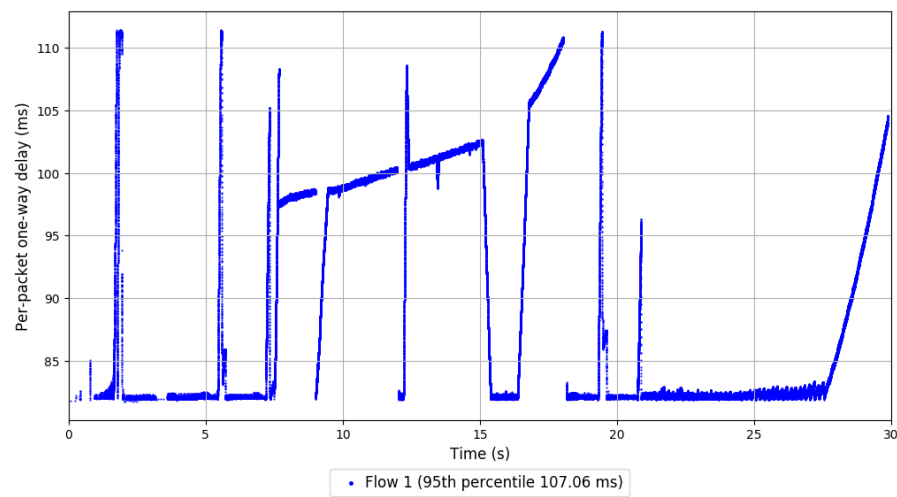
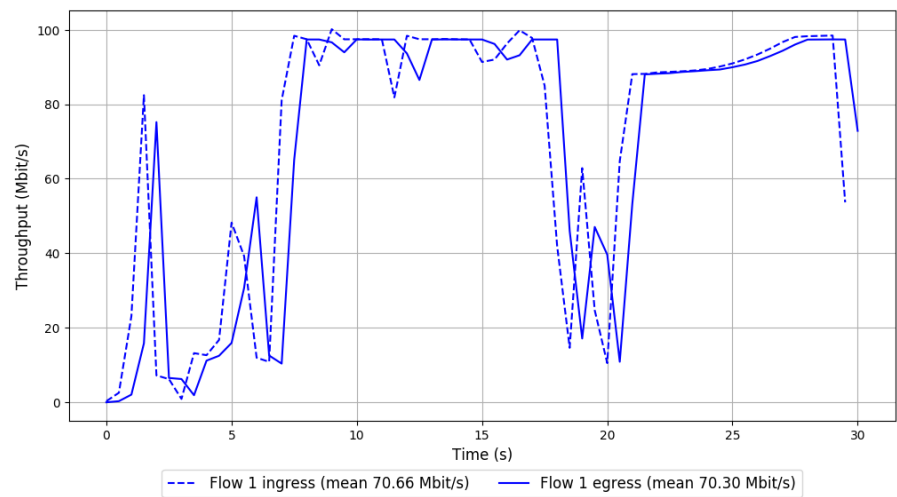


Run 3: Statistics of QUIC Cubic

Start at: 2018-07-24 07:28:20
End at: 2018-07-24 07:28:50
Local clock offset: -10.514 ms
Remote clock offset: 2.091 ms

Below is generated by plot.py at 2018-07-24 10:16:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.30 Mbit/s
95th percentile per-packet one-way delay: 107.058 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 70.30 Mbit/s
95th percentile per-packet one-way delay: 107.058 ms
Loss rate: 0.44%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-24 07:48:18

End at: 2018-07-24 07:48:48

Local clock offset: -6.733 ms

Remote clock offset: 4.517 ms

Below is generated by plot.py at 2018-07-24 10:16:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.85 Mbit/s

95th percentile per-packet one-way delay: 101.322 ms

Loss rate: 0.47%

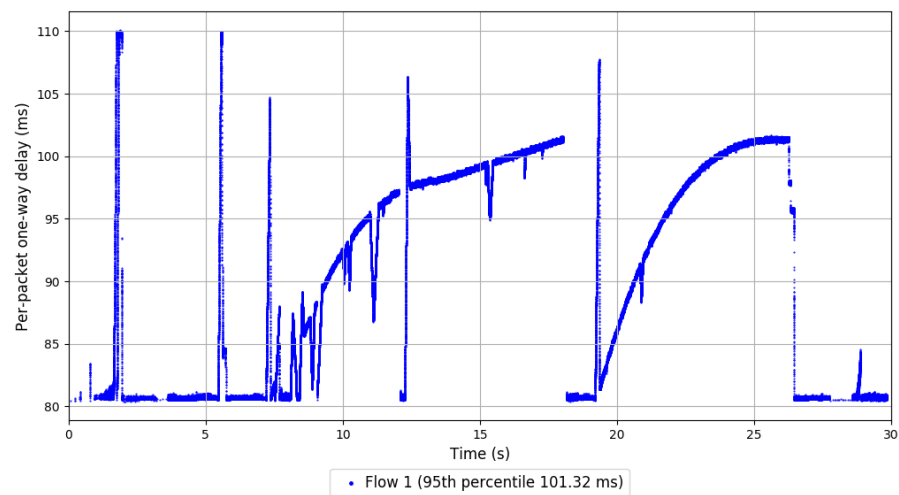
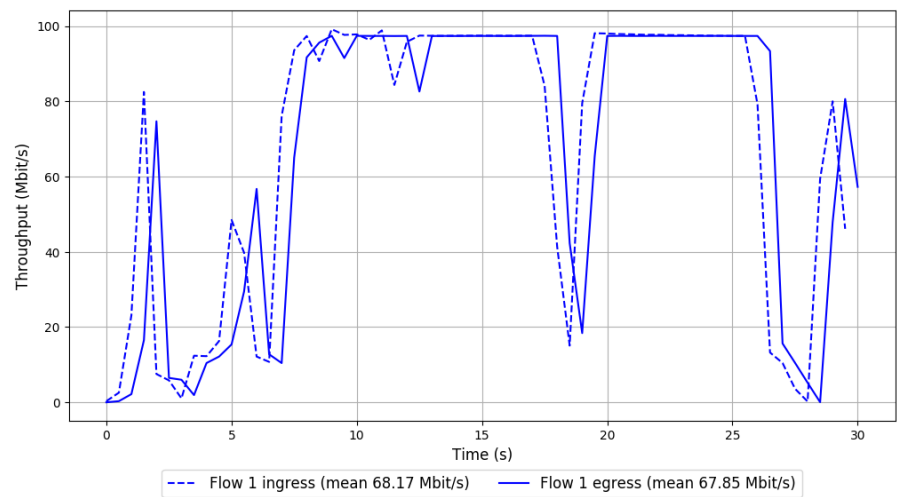
-- Flow 1:

Average throughput: 67.85 Mbit/s

95th percentile per-packet one-way delay: 101.322 ms

Loss rate: 0.47%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-24 08:08:08

End at: 2018-07-24 08:08:38

Local clock offset: -5.903 ms

Remote clock offset: 9.985 ms

Below is generated by plot.py at 2018-07-24 10:16:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.01 Mbit/s

95th percentile per-packet one-way delay: 88.511 ms

Loss rate: 0.01%

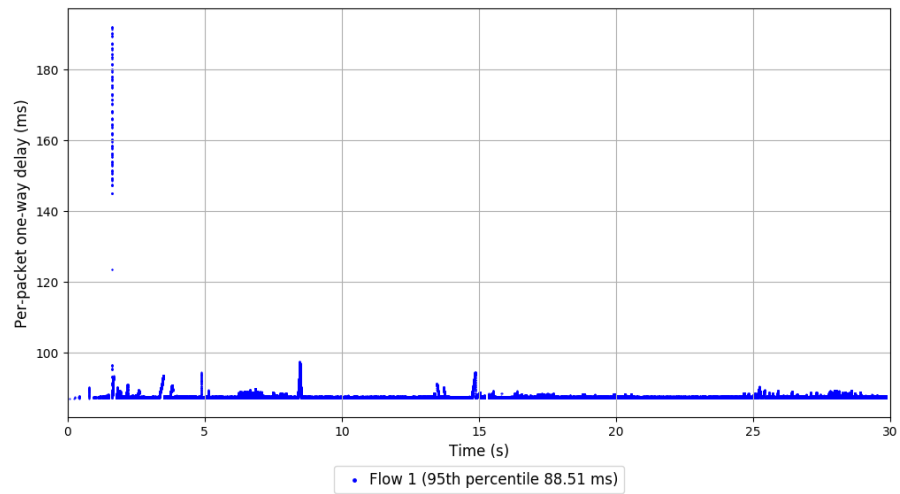
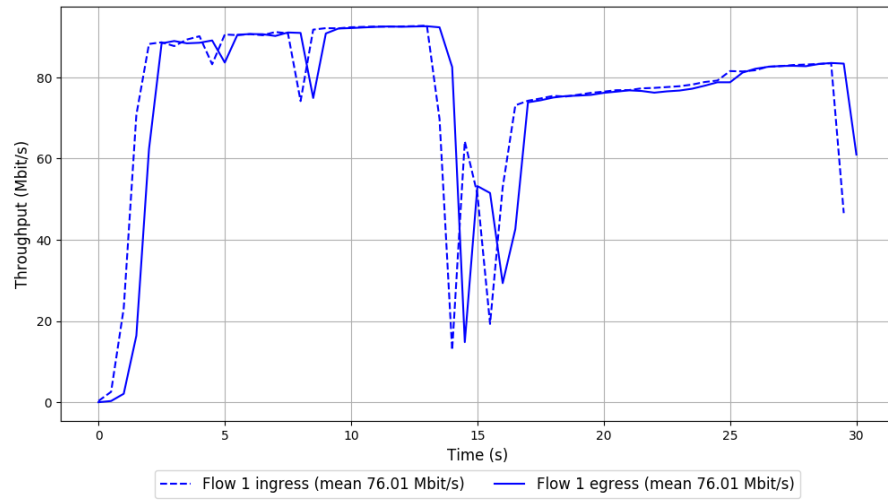
-- Flow 1:

Average throughput: 76.01 Mbit/s

95th percentile per-packet one-way delay: 88.511 ms

Loss rate: 0.01%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-24 08:28:06

End at: 2018-07-24 08:28:36

Local clock offset: -5.577 ms

Remote clock offset: 7.602 ms

Below is generated by plot.py at 2018-07-24 10:16:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.06 Mbit/s

95th percentile per-packet one-way delay: 110.320 ms

Loss rate: 0.43%

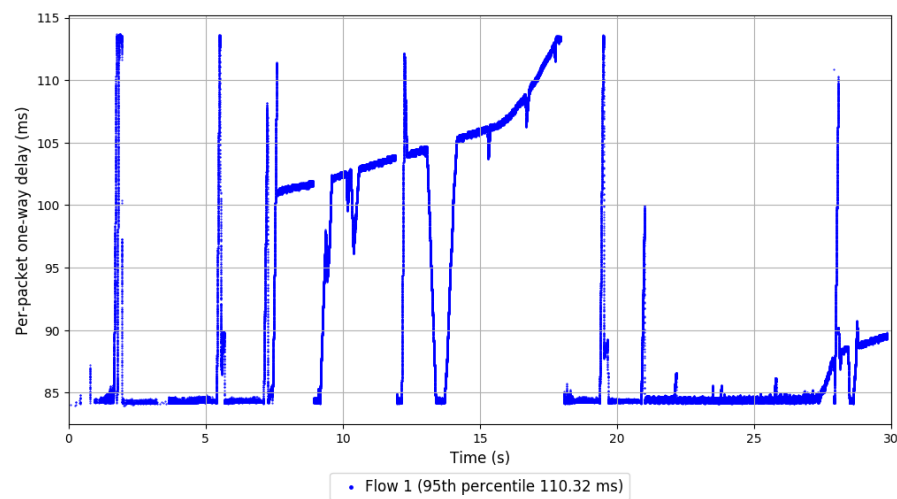
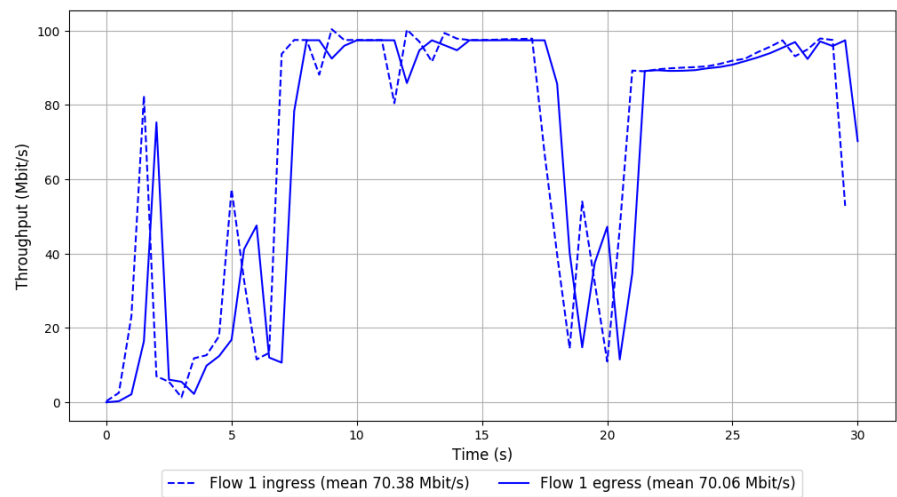
-- Flow 1:

Average throughput: 70.06 Mbit/s

95th percentile per-packet one-way delay: 110.320 ms

Loss rate: 0.43%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-24 08:47:58

End at: 2018-07-24 08:48:28

Local clock offset: -3.616 ms

Remote clock offset: 7.325 ms

Below is generated by plot.py at 2018-07-24 10:16:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.36 Mbit/s

95th percentile per-packet one-way delay: 107.748 ms

Loss rate: 0.37%

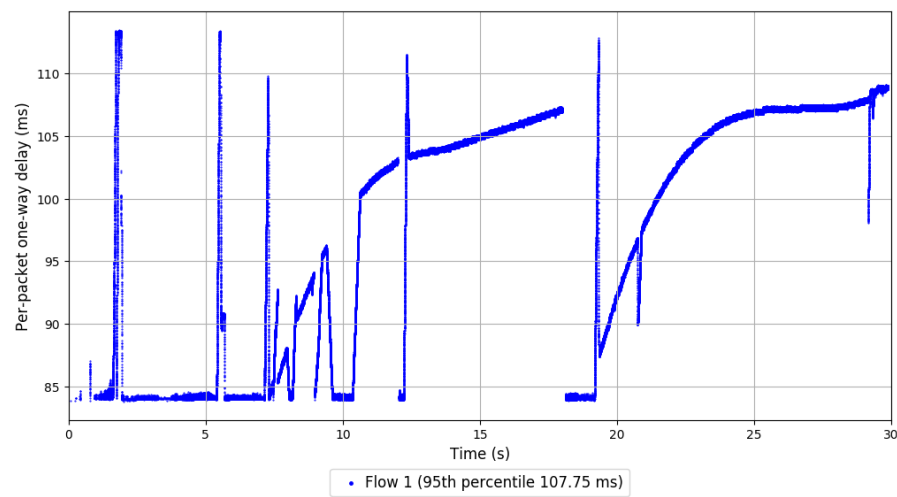
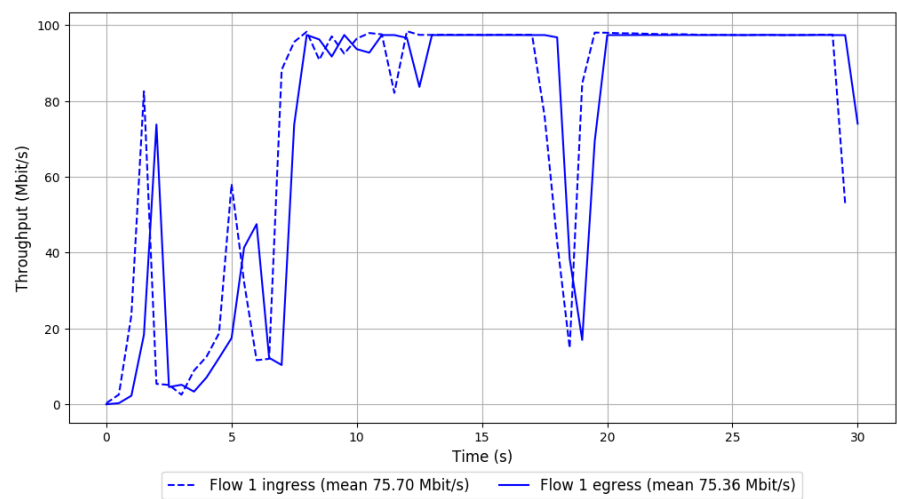
-- Flow 1:

Average throughput: 75.36 Mbit/s

95th percentile per-packet one-way delay: 107.748 ms

Loss rate: 0.37%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-24 09:07:47

End at: 2018-07-24 09:08:17

Local clock offset: -5.72 ms

Remote clock offset: 7.911 ms

Below is generated by plot.py at 2018-07-24 10:16:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.58 Mbit/s

95th percentile per-packet one-way delay: 84.997 ms

Loss rate: 0.04%

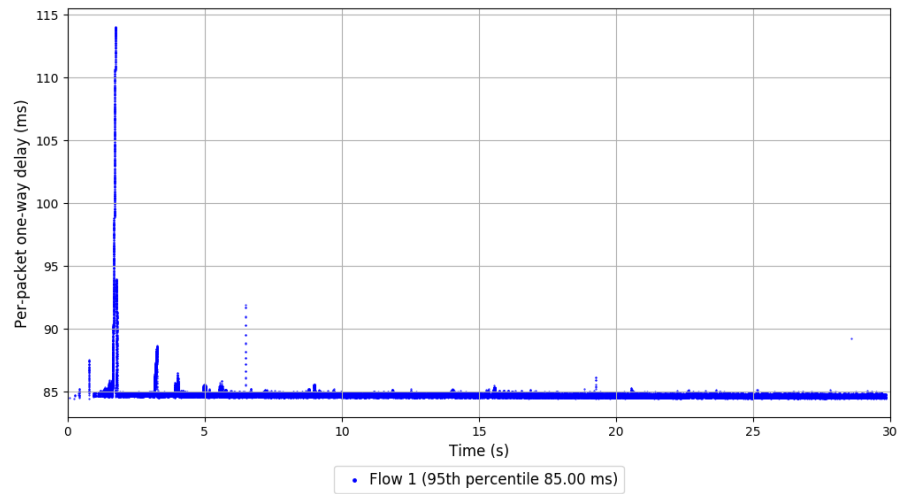
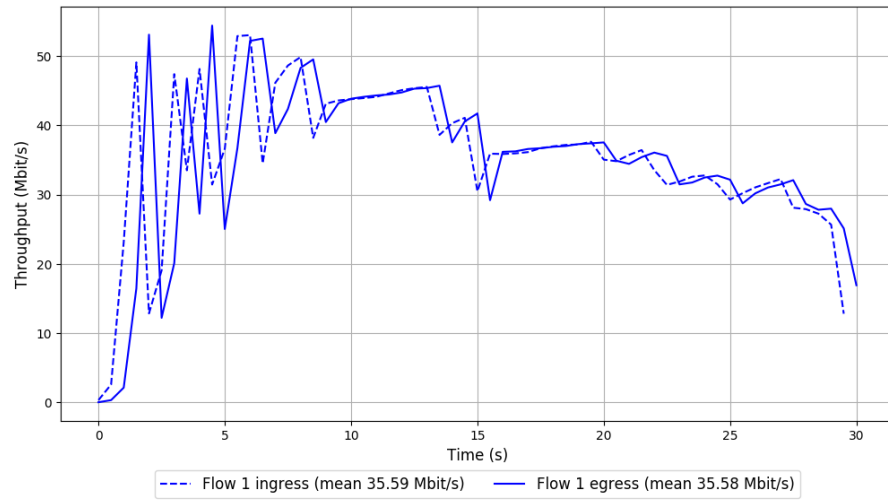
-- Flow 1:

Average throughput: 35.58 Mbit/s

95th percentile per-packet one-way delay: 84.997 ms

Loss rate: 0.04%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-24 09:27:37

End at: 2018-07-24 09:28:07

Local clock offset: -8.707 ms

Remote clock offset: 10.541 ms

Below is generated by plot.py at 2018-07-24 10:16:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.47 Mbit/s

95th percentile per-packet one-way delay: 106.902 ms

Loss rate: 0.42%

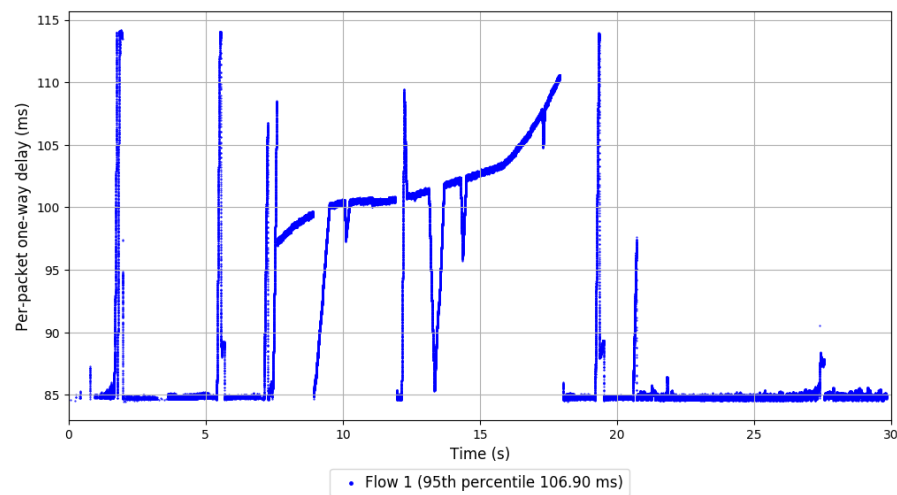
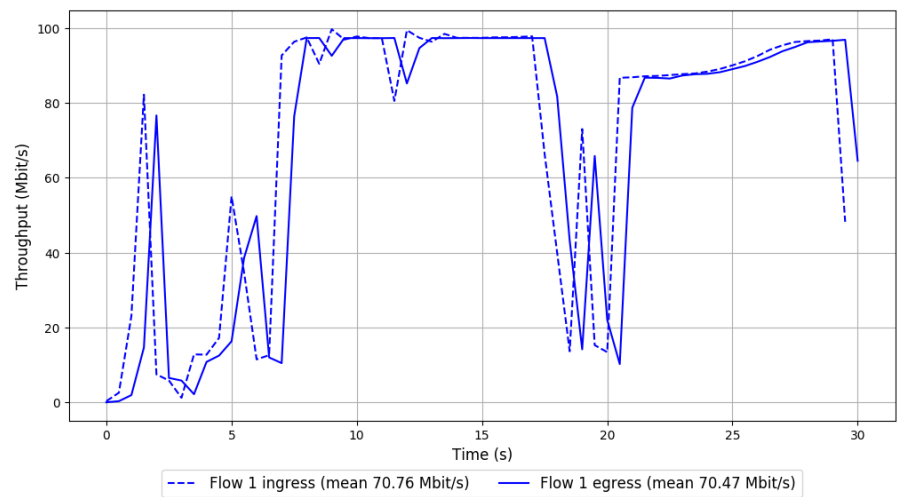
-- Flow 1:

Average throughput: 70.47 Mbit/s

95th percentile per-packet one-way delay: 106.902 ms

Loss rate: 0.42%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-24 09:47:27

End at: 2018-07-24 09:47:57

Local clock offset: -3.191 ms

Remote clock offset: 8.863 ms

Below is generated by plot.py at 2018-07-24 10:16:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 29.64 Mbit/s

95th percentile per-packet one-way delay: 80.139 ms

Loss rate: 0.03%

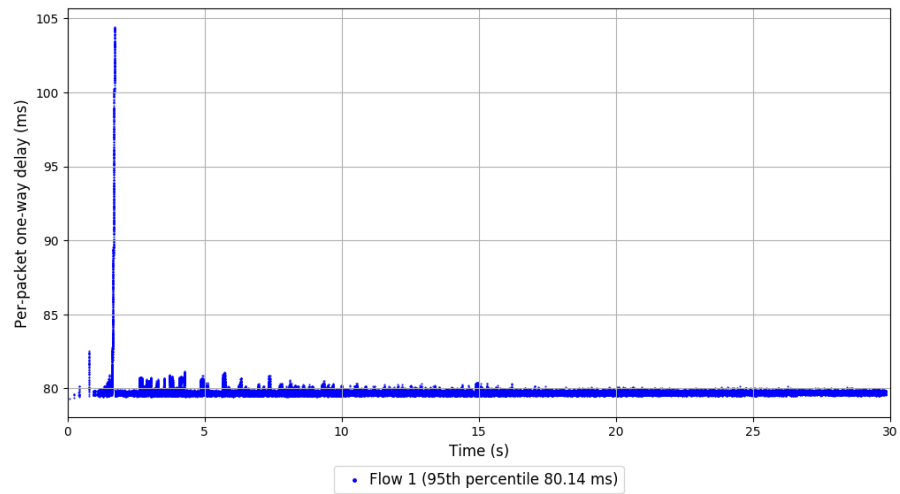
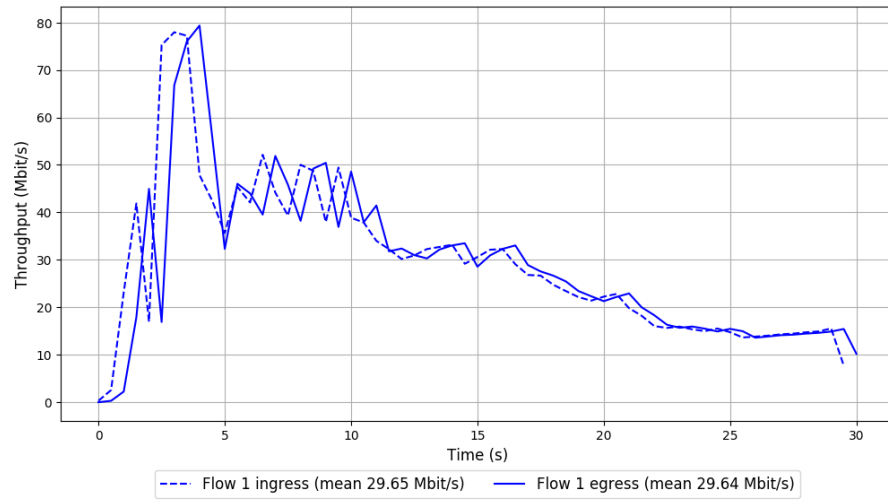
-- Flow 1:

Average throughput: 29.64 Mbit/s

95th percentile per-packet one-way delay: 80.139 ms

Loss rate: 0.03%

Run 10: Report of QUIC Cubic — Data Link

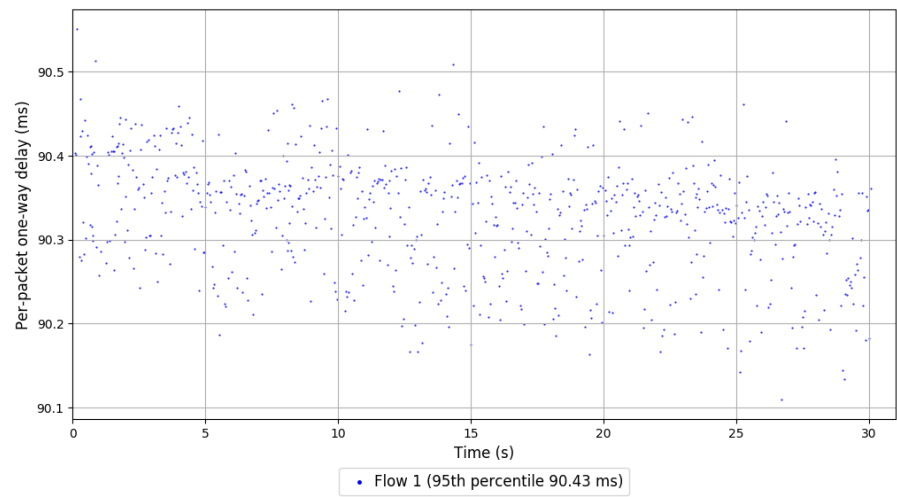
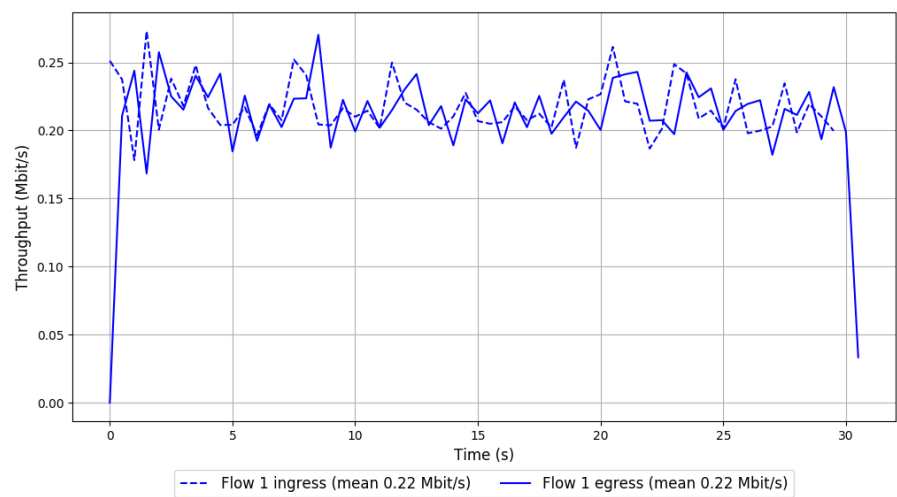


Run 1: Statistics of SCReAM

Start at: 2018-07-24 06:46:15
End at: 2018-07-24 06:46:45
Local clock offset: -15.843 ms
Remote clock offset: 15.94 ms

Below is generated by plot.py at 2018-07-24 10:16:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 90.433 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 90.433 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

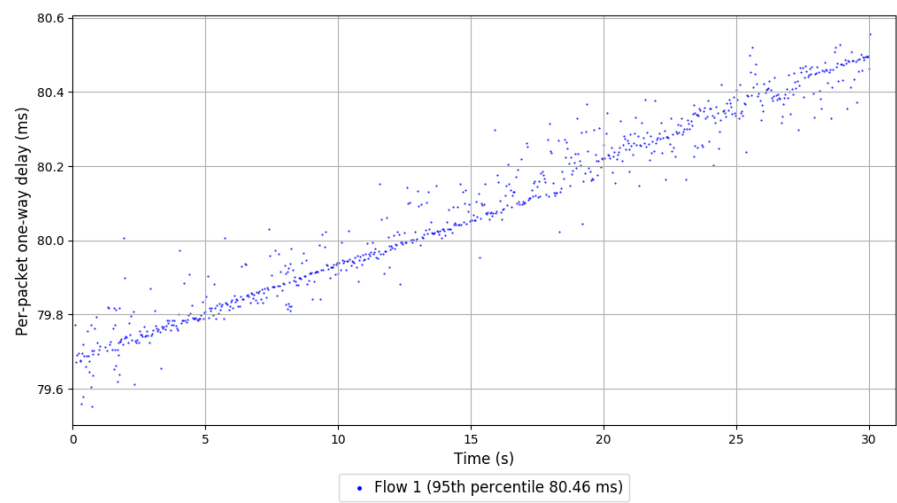
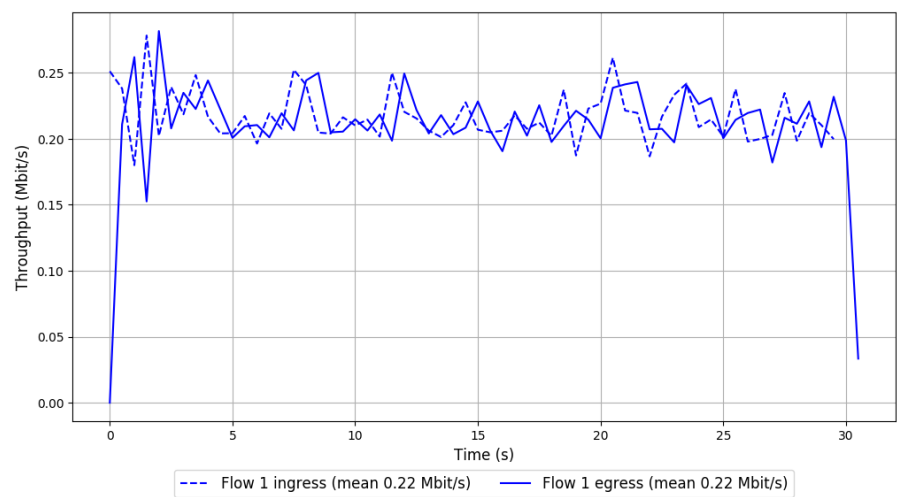


Run 2: Statistics of SCReAM

Start at: 2018-07-24 07:06:12
End at: 2018-07-24 07:06:42
Local clock offset: -13.647 ms
Remote clock offset: 9.529 ms

Below is generated by plot.py at 2018-07-24 10:16:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.461 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.461 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-07-24 07:26:06

End at: 2018-07-24 07:26:36

Local clock offset: -10.08 ms

Remote clock offset: 2.4 ms

Below is generated by plot.py at 2018-07-24 10:16:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 81.098 ms

Loss rate: 0.00%

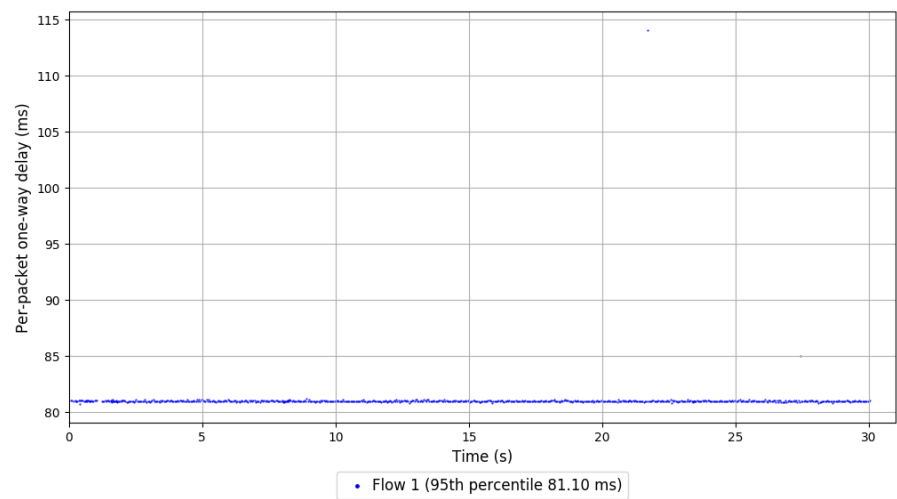
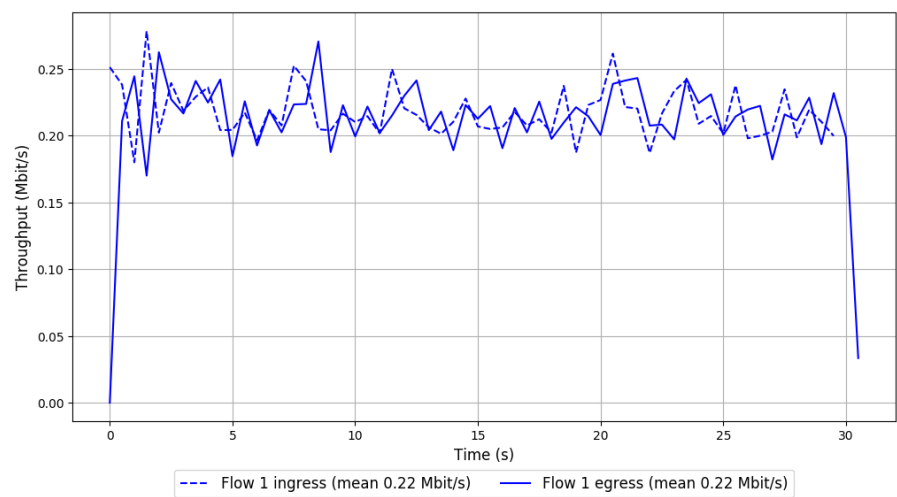
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 81.098 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2018-07-24 07:46:04

End at: 2018-07-24 07:46:34

Local clock offset: -6.703 ms

Remote clock offset: 4.174 ms

Below is generated by plot.py at 2018-07-24 10:16:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.708 ms

Loss rate: 0.00%

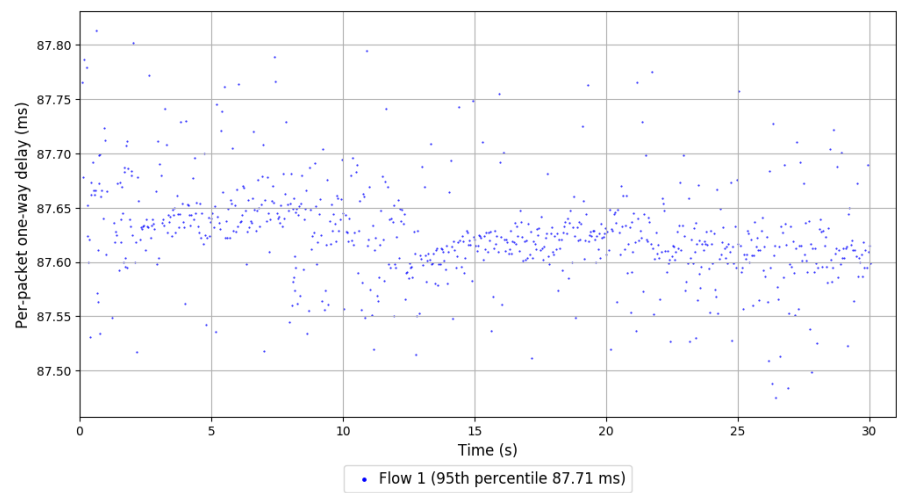
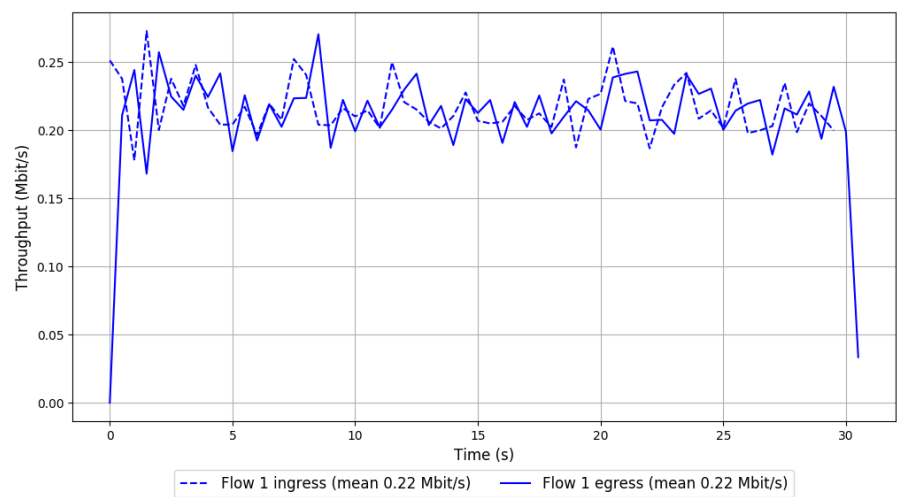
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.708 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-07-24 08:05:55

End at: 2018-07-24 08:06:25

Local clock offset: -6.472 ms

Remote clock offset: 4.866 ms

Below is generated by plot.py at 2018-07-24 10:16:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 82.362 ms

Loss rate: 0.00%

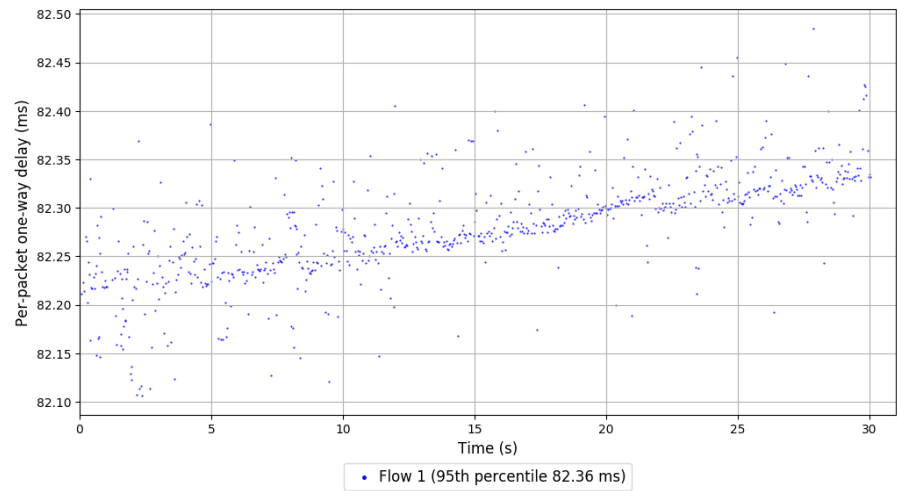
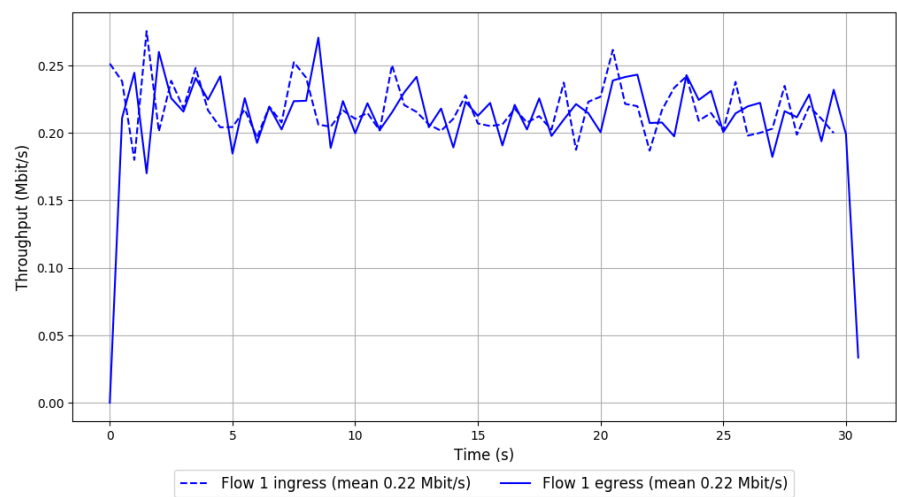
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 82.362 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-07-24 08:25:52

End at: 2018-07-24 08:26:22

Local clock offset: -5.377 ms

Remote clock offset: 3.798 ms

Below is generated by plot.py at 2018-07-24 10:16:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 83.119 ms

Loss rate: 0.00%

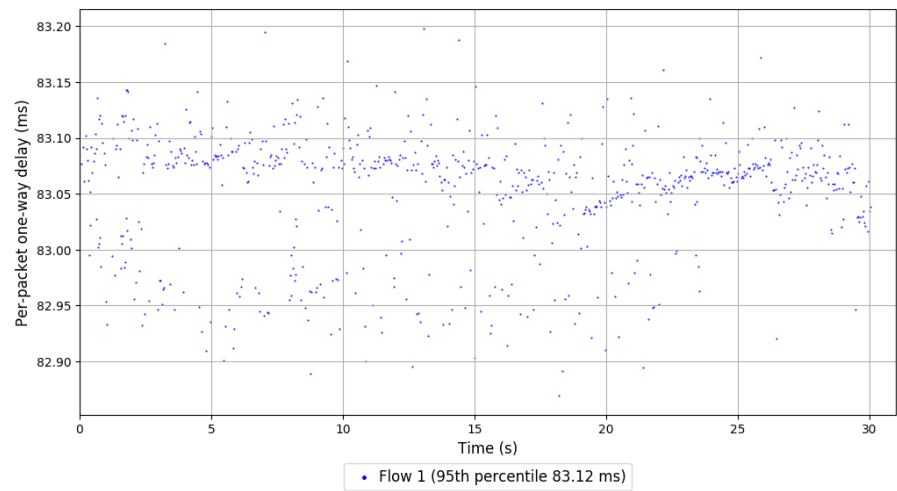
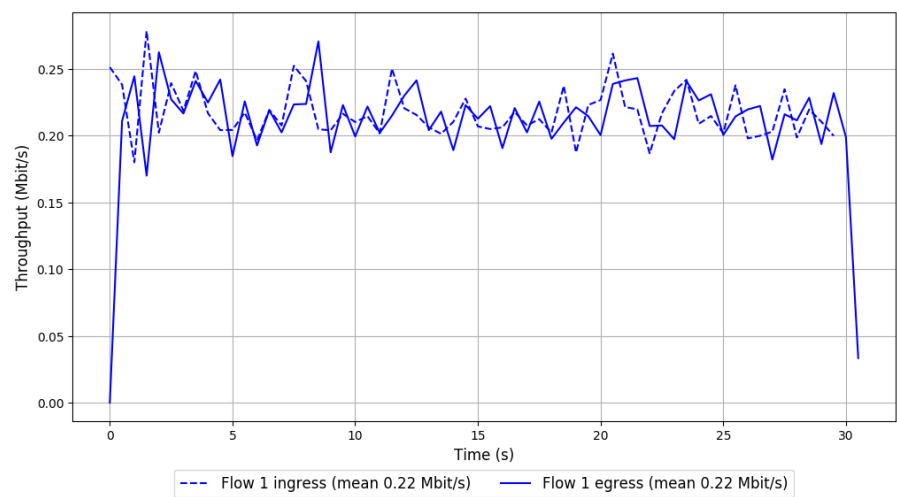
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 83.119 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-07-24 08:45:44

End at: 2018-07-24 08:46:14

Local clock offset: -3.663 ms

Remote clock offset: 1.886 ms

Below is generated by plot.py at 2018-07-24 10:16:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 81.049 ms

Loss rate: 0.00%

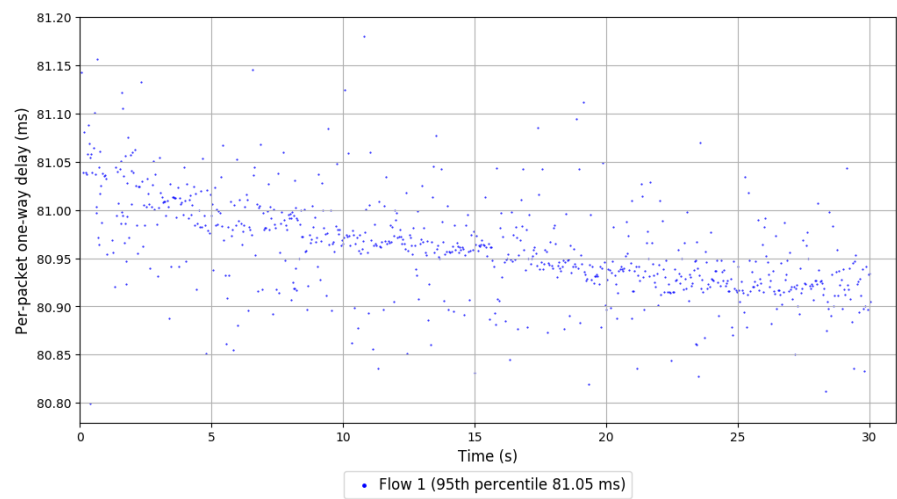
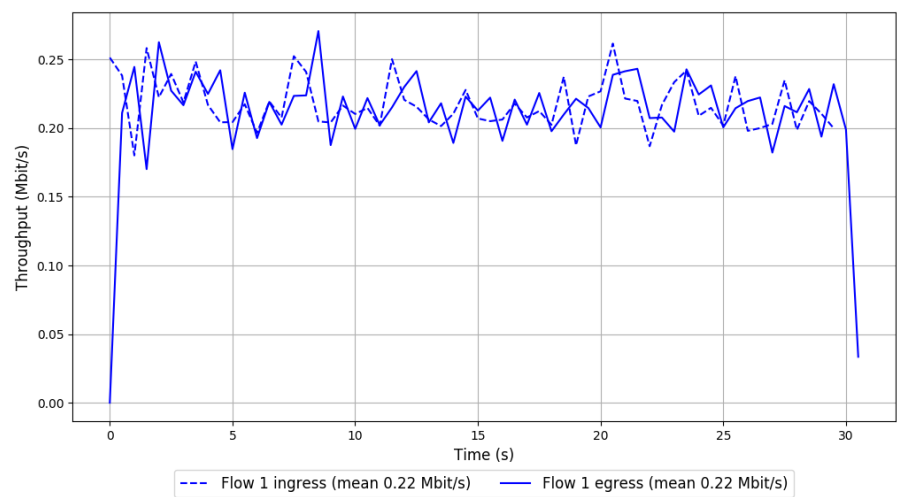
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 81.049 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-07-24 09:05:33

End at: 2018-07-24 09:06:03

Local clock offset: -5.123 ms

Remote clock offset: 4.99 ms

Below is generated by plot.py at 2018-07-24 10:16:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.703 ms

Loss rate: 0.00%

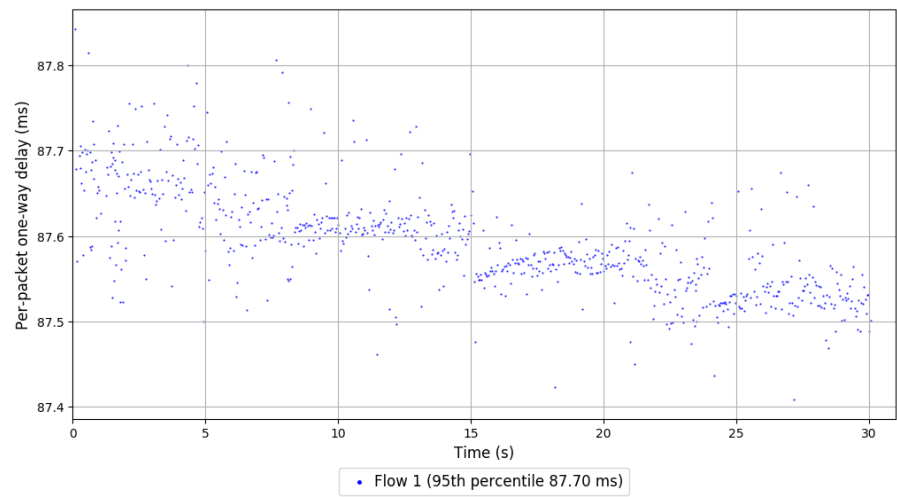
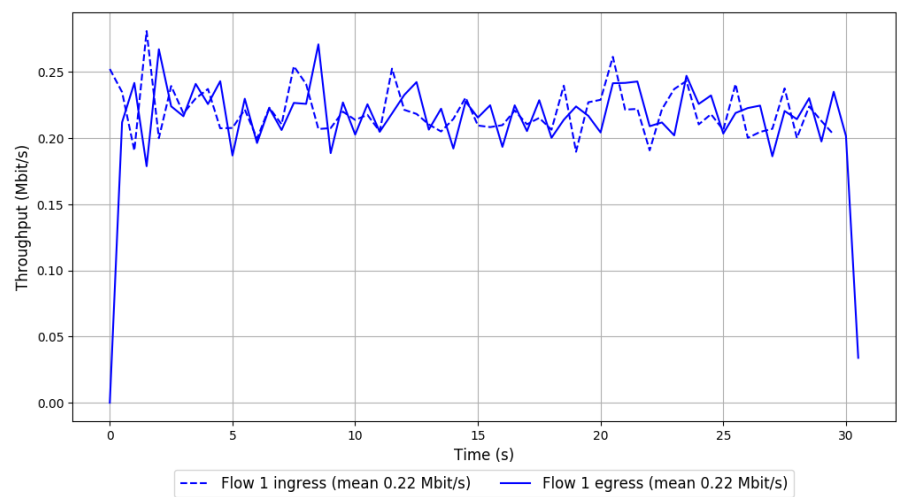
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.703 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-07-24 09:25:23

End at: 2018-07-24 09:25:53

Local clock offset: -8.545 ms

Remote clock offset: 7.266 ms

Below is generated by plot.py at 2018-07-24 10:16:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 82.322 ms

Loss rate: 0.00%

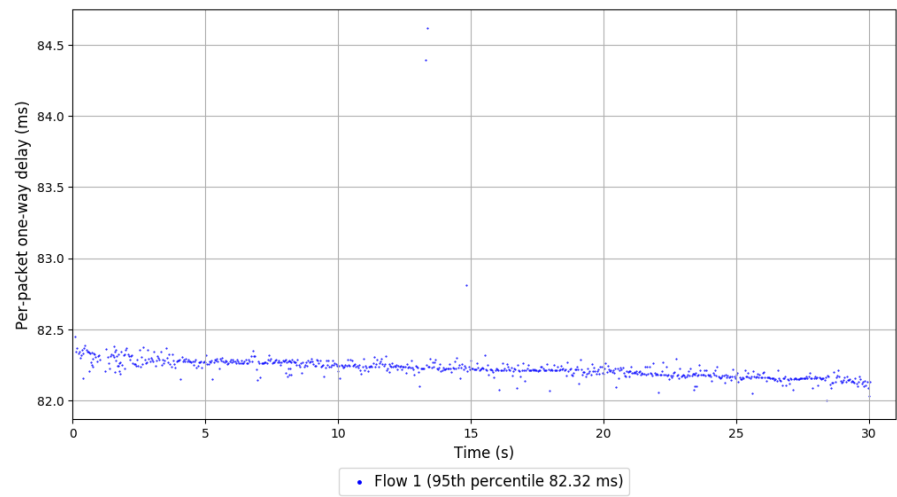
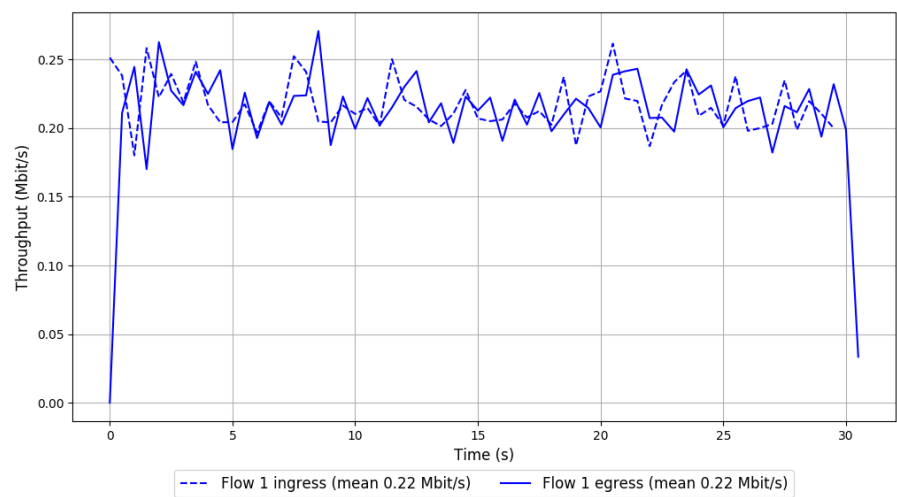
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 82.322 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-07-24 09:45:14

End at: 2018-07-24 09:45:44

Local clock offset: -3.484 ms

Remote clock offset: 8.7 ms

Below is generated by plot.py at 2018-07-24 10:16:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 81.113 ms

Loss rate: 0.00%

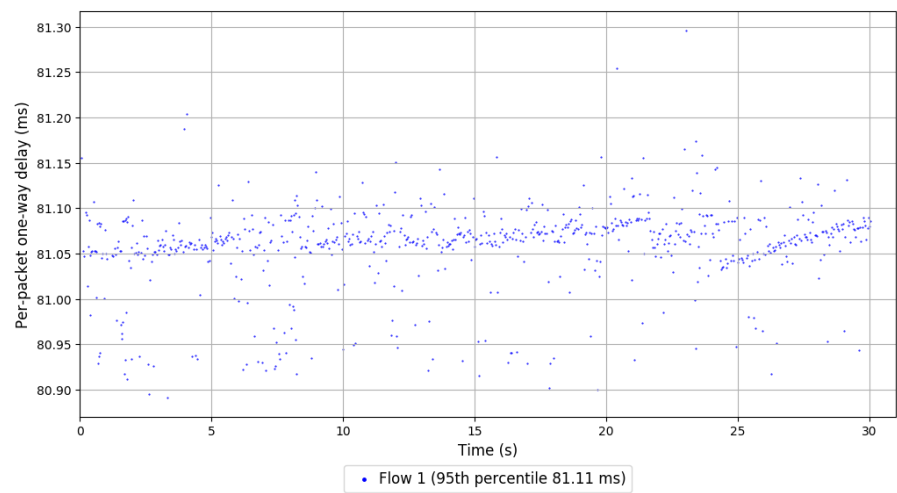
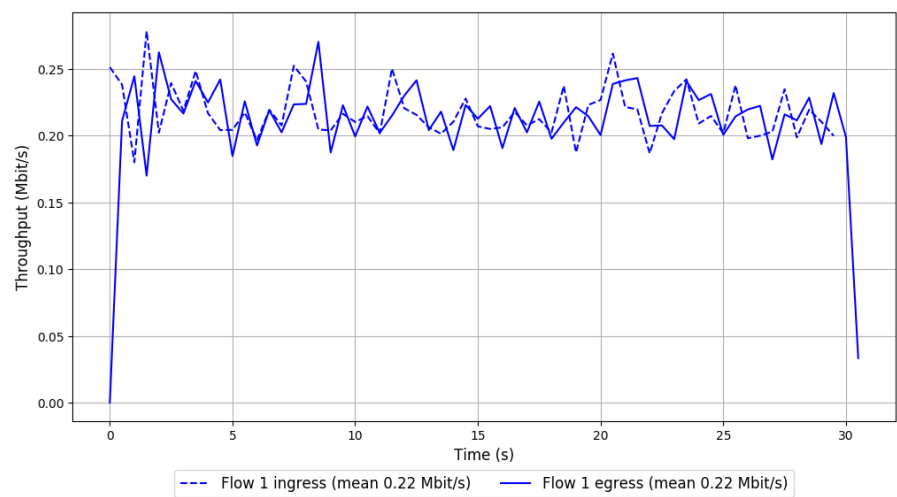
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 81.113 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

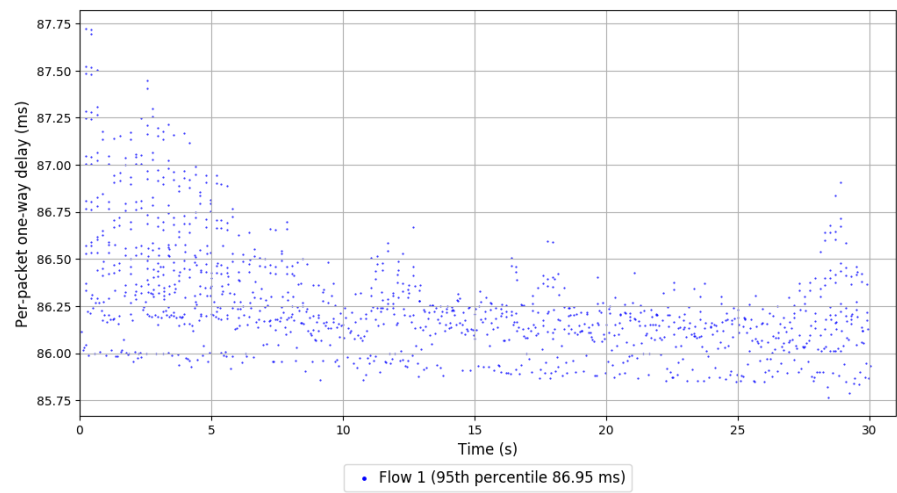
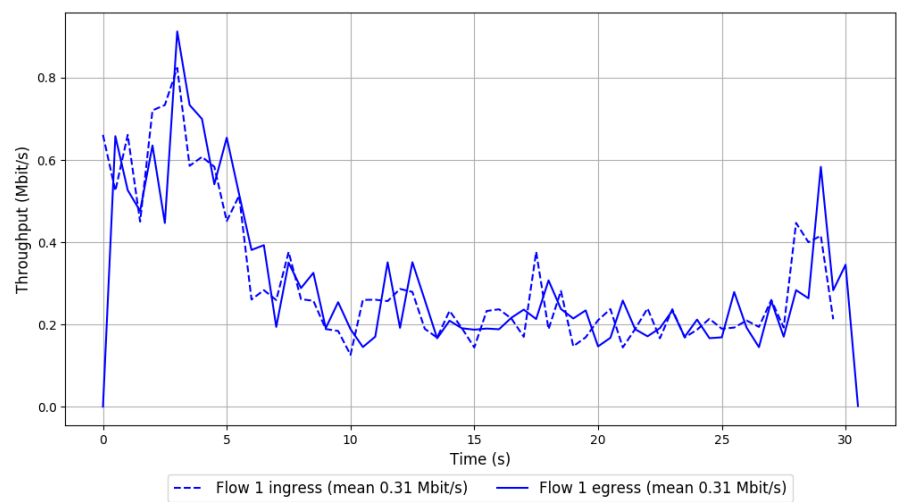


Run 1: Statistics of Sprout

Start at: 2018-07-24 06:50:54
End at: 2018-07-24 06:51:24
Local clock offset: -16.094 ms
Remote clock offset: 16.829 ms

Below is generated by plot.py at 2018-07-24 10:16:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 86.950 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 86.950 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

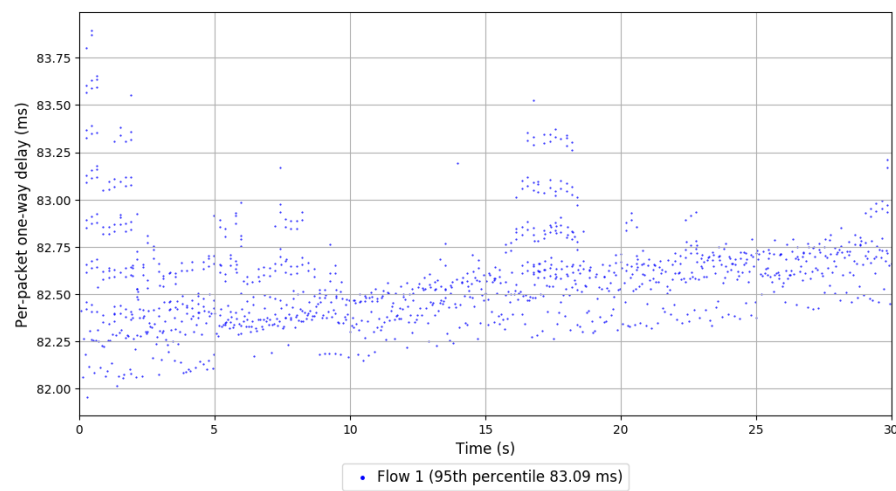
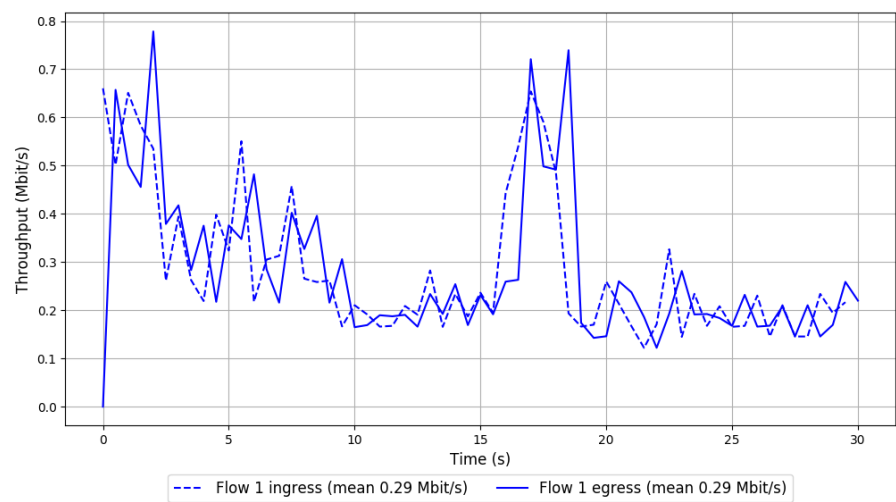


Run 2: Statistics of Sprout

Start at: 2018-07-24 07:10:50
End at: 2018-07-24 07:11:20
Local clock offset: -10.724 ms
Remote clock offset: 6.489 ms

Below is generated by plot.py at 2018-07-24 10:16:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 83.095 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 83.095 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

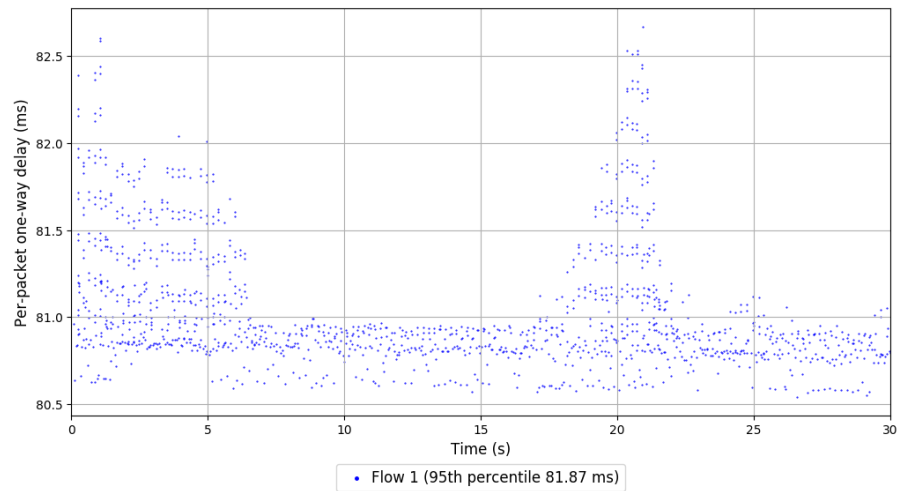
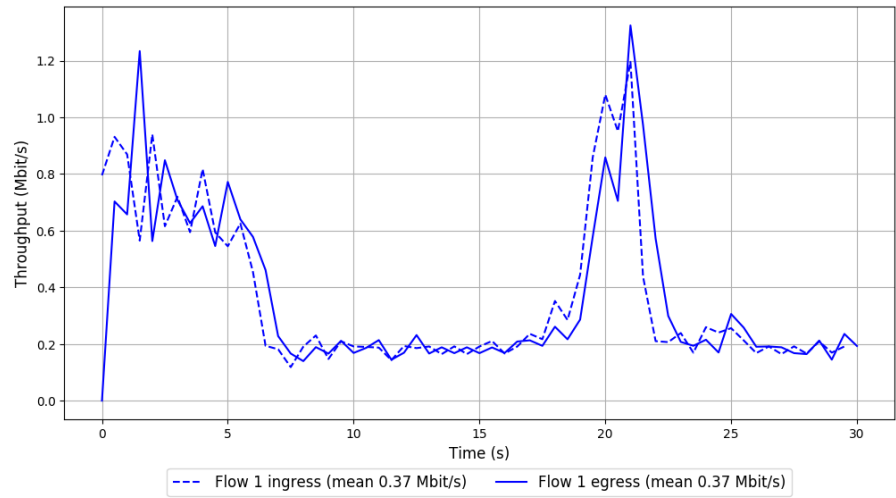


Run 3: Statistics of Sprout

Start at: 2018-07-24 07:30:46
End at: 2018-07-24 07:31:16
Local clock offset: -10.994 ms
Remote clock offset: 1.893 ms

Below is generated by plot.py at 2018-07-24 10:16:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 81.868 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 81.868 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-07-24 07:50:41

End at: 2018-07-24 07:51:11

Local clock offset: -6.831 ms

Remote clock offset: 9.502 ms

Below is generated by plot.py at 2018-07-24 10:16:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 85.896 ms

Loss rate: 0.00%

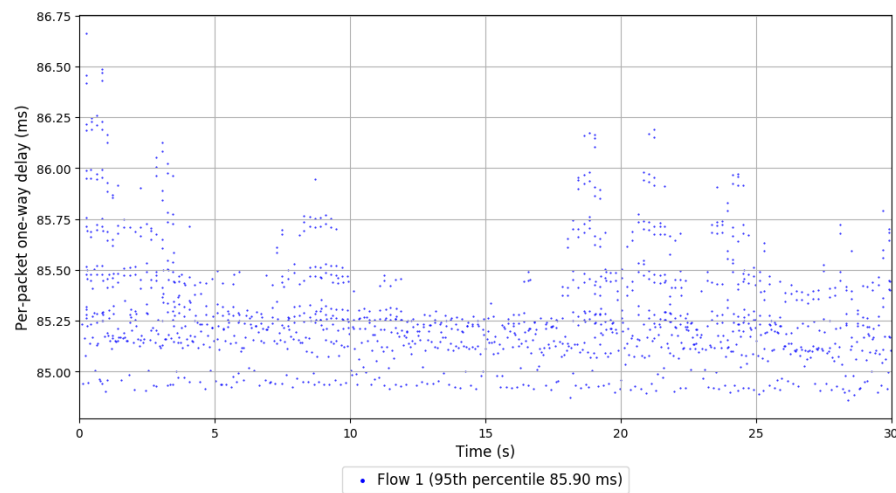
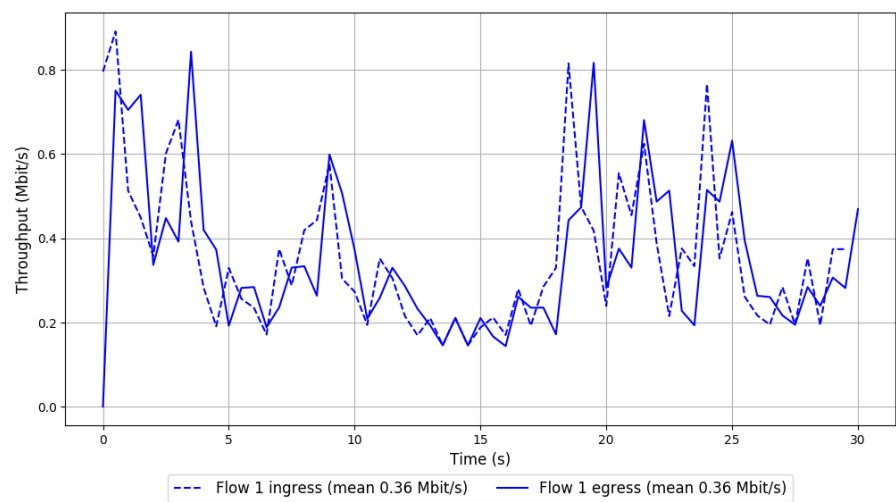
-- Flow 1:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 85.896 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-07-24 08:10:33

End at: 2018-07-24 08:11:03

Local clock offset: -5.527 ms

Remote clock offset: 8.859 ms

Below is generated by plot.py at 2018-07-24 10:16:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 86.896 ms

Loss rate: 0.00%

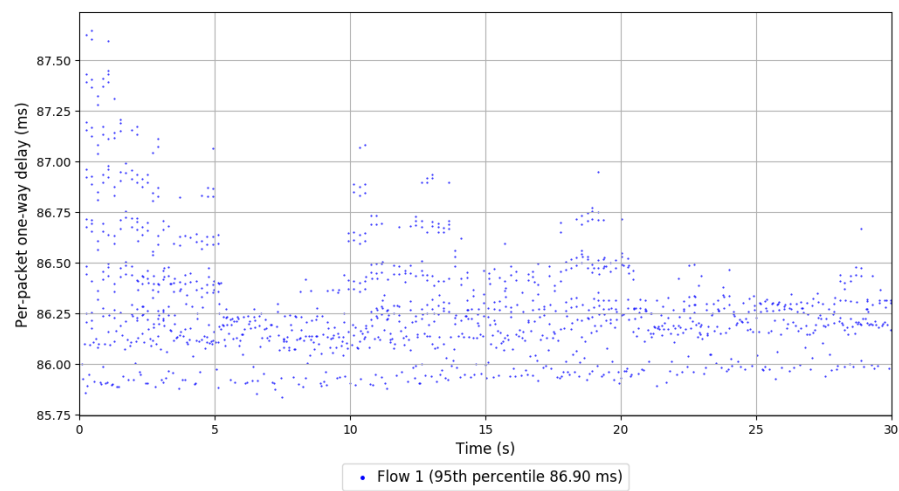
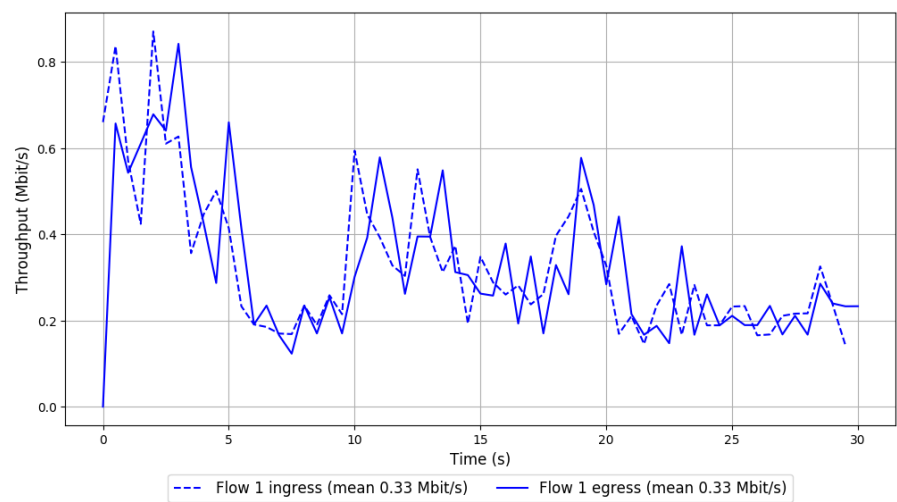
-- Flow 1:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 86.896 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-07-24 08:30:29

End at: 2018-07-24 08:30:59

Local clock offset: -5.685 ms

Remote clock offset: 2.408 ms

Below is generated by plot.py at 2018-07-24 10:16:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 81.205 ms

Loss rate: 0.09%

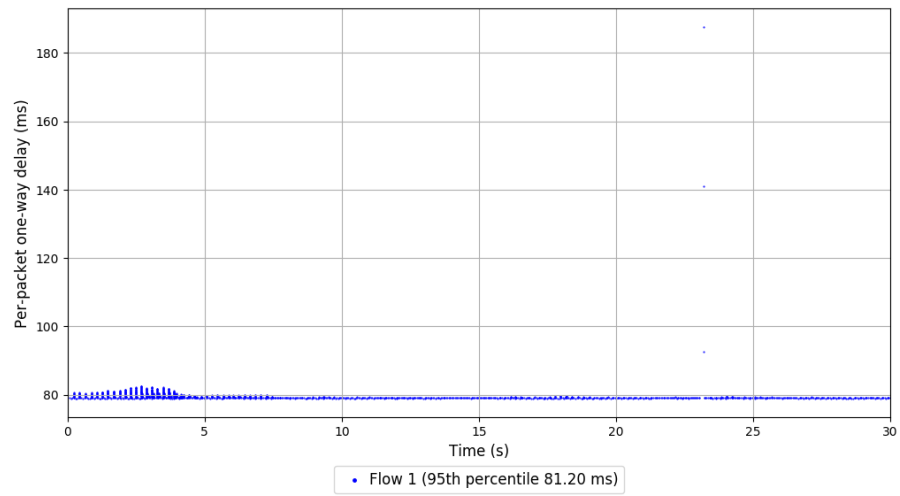
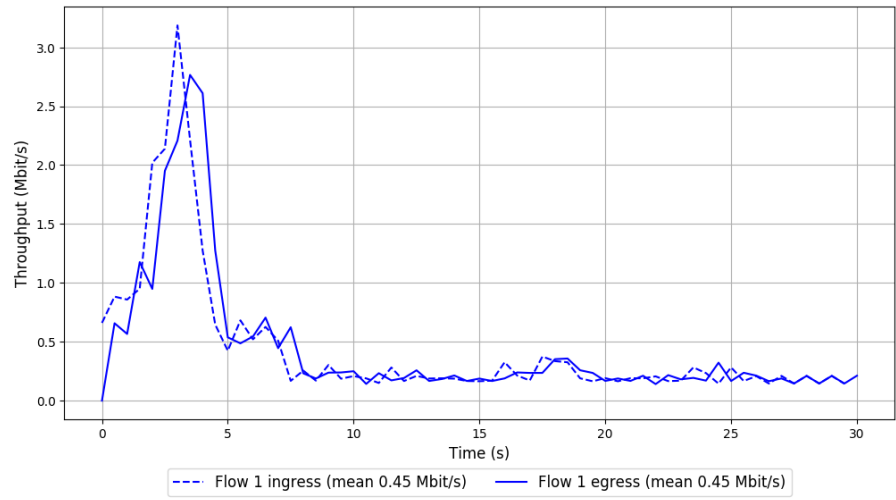
-- Flow 1:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 81.205 ms

Loss rate: 0.09%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-07-24 08:50:21

End at: 2018-07-24 08:50:51

Local clock offset: -3.641 ms

Remote clock offset: 3.844 ms

Below is generated by plot.py at 2018-07-24 10:16:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.30 Mbit/s

95th percentile per-packet one-way delay: 82.943 ms

Loss rate: 0.00%

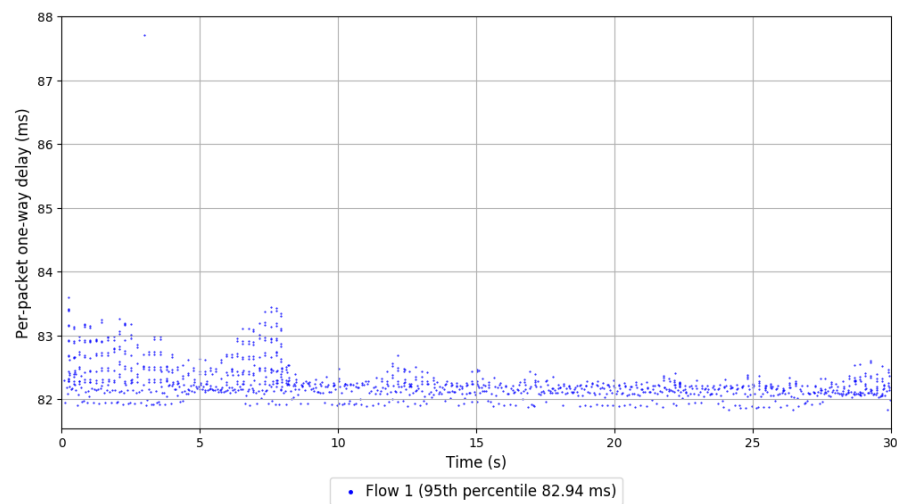
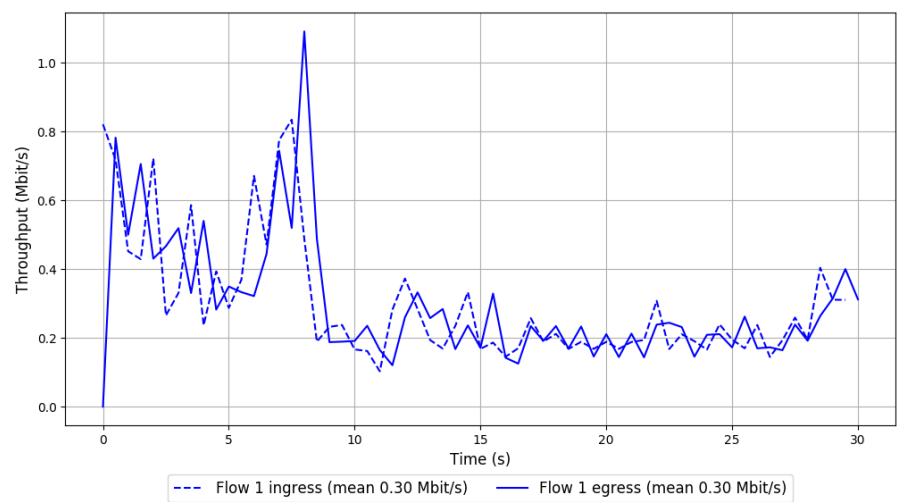
-- Flow 1:

Average throughput: 0.30 Mbit/s

95th percentile per-packet one-way delay: 82.943 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-07-24 09:10:08

End at: 2018-07-24 09:10:38

Local clock offset: -6.323 ms

Remote clock offset: 9.145 ms

Below is generated by plot.py at 2018-07-24 10:16:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 84.852 ms

Loss rate: 0.00%

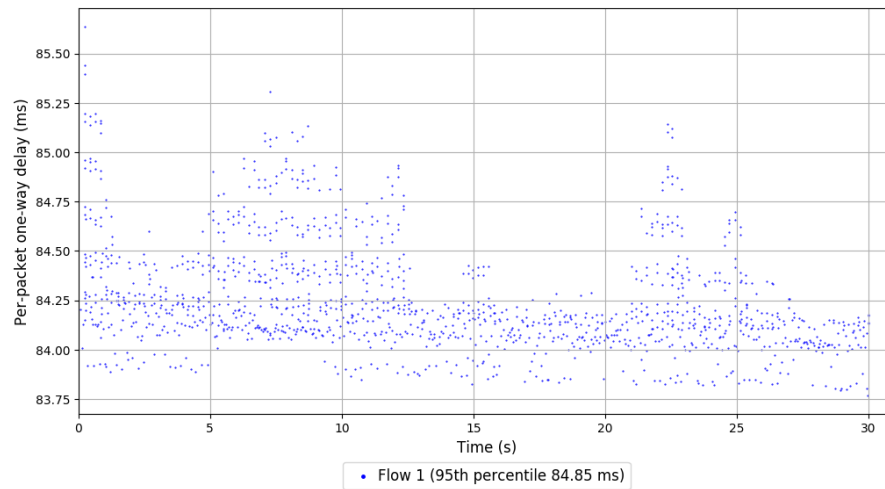
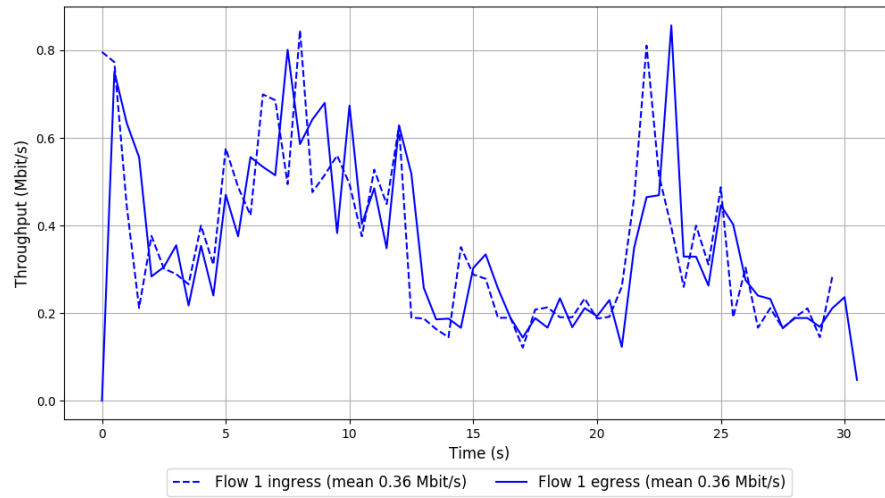
-- Flow 1:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 84.852 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

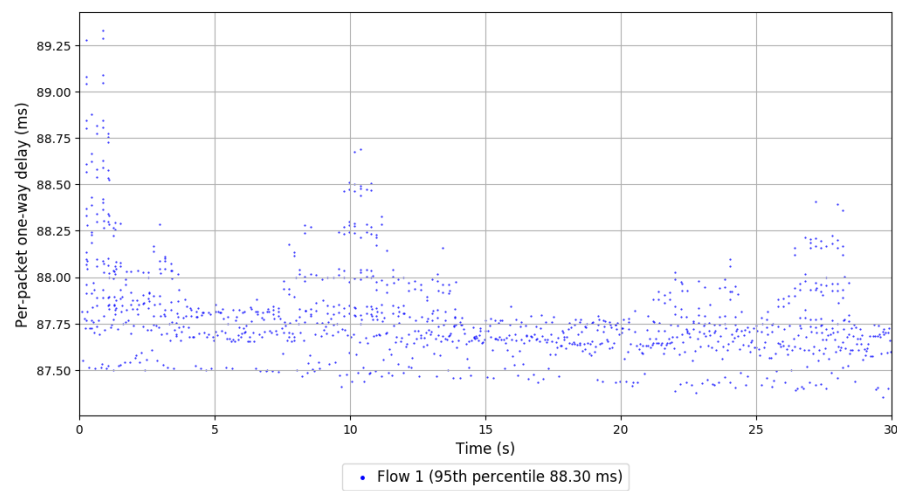
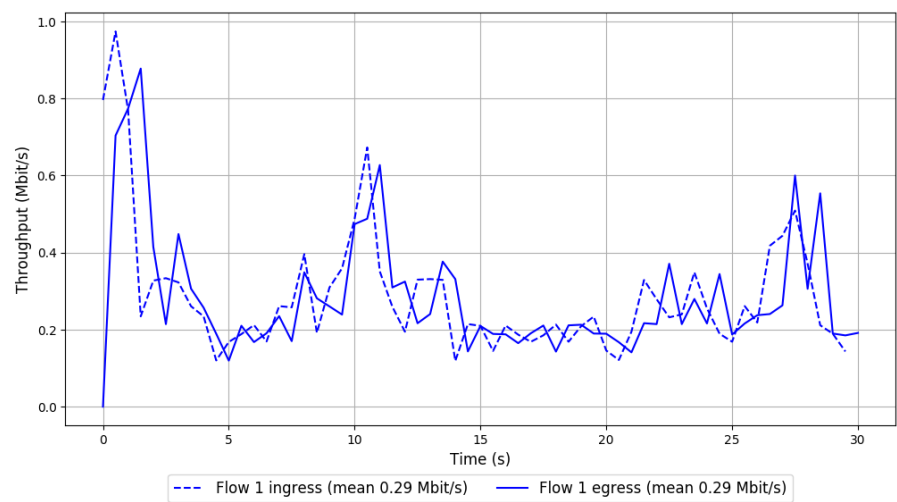


Run 9: Statistics of Sprout

Start at: 2018-07-24 09:30:01
End at: 2018-07-24 09:30:31
Local clock offset: -9.012 ms
Remote clock offset: 13.194 ms

Below is generated by plot.py at 2018-07-24 10:16:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 88.297 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 88.297 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

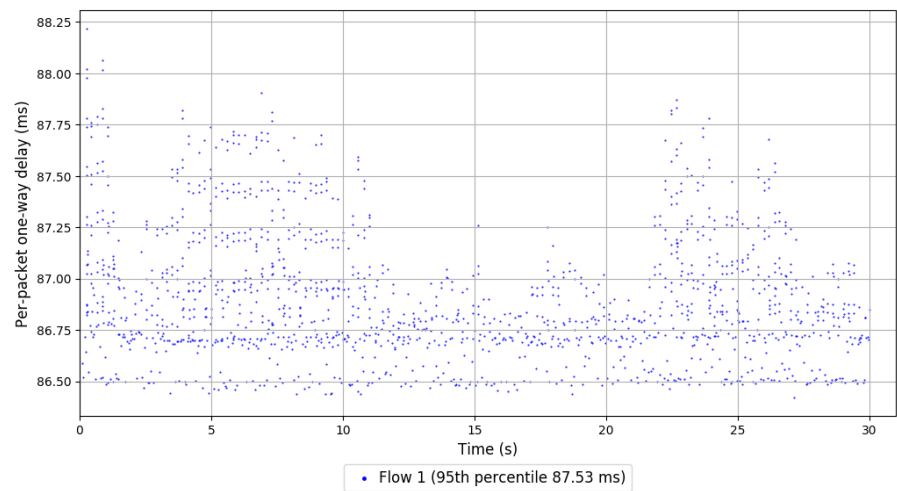
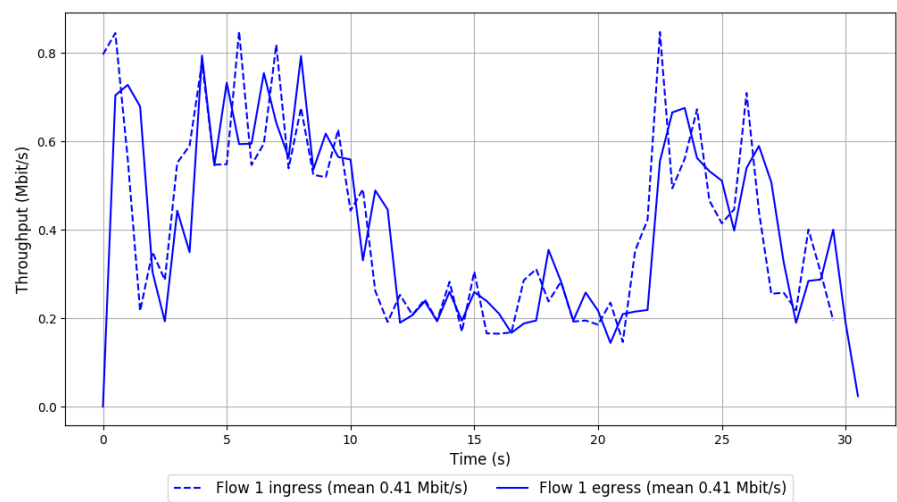


Run 10: Statistics of Sprout

Start at: 2018-07-24 09:49:49
End at: 2018-07-24 09:50:19
Local clock offset: -2.892 ms
Remote clock offset: 13.999 ms

Below is generated by plot.py at 2018-07-24 10:16:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 87.535 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 87.535 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

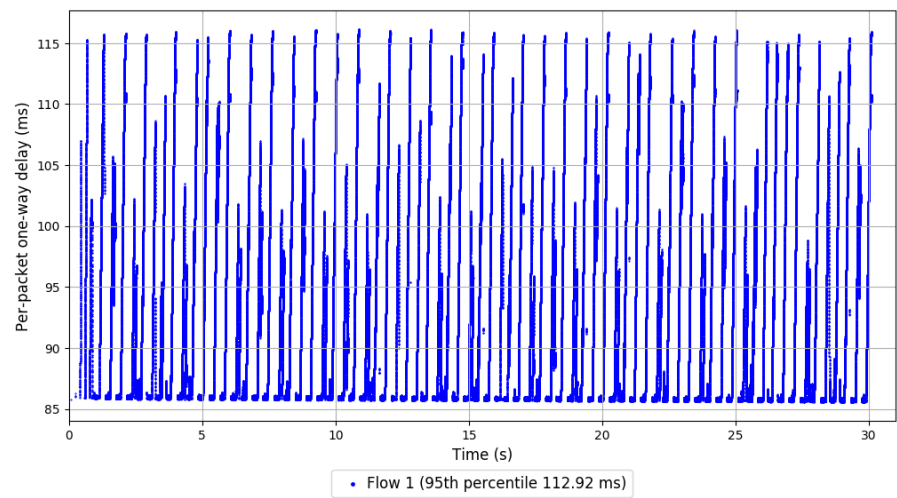
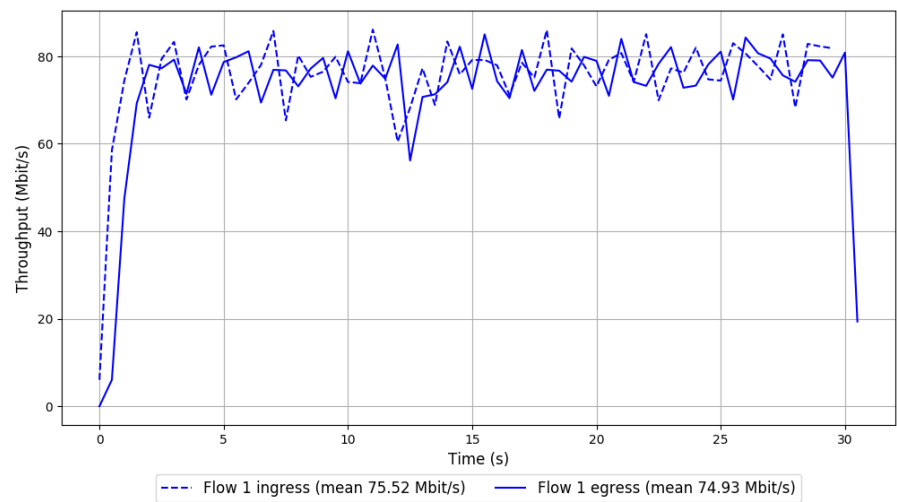


Run 1: Statistics of TaoVA-100x

Start at: 2018-07-24 06:59:02
End at: 2018-07-24 06:59:32
Local clock offset: -18.439 ms
Remote clock offset: 16.917 ms

Below is generated by plot.py at 2018-07-24 10:17:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.93 Mbit/s
95th percentile per-packet one-way delay: 112.923 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 74.93 Mbit/s
95th percentile per-packet one-way delay: 112.923 ms
Loss rate: 0.70%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-07-24 07:18:58

End at: 2018-07-24 07:19:28

Local clock offset: -9.288 ms

Remote clock offset: 8.684 ms

Below is generated by plot.py at 2018-07-24 10:17:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.95 Mbit/s

95th percentile per-packet one-way delay: 112.831 ms

Loss rate: 0.75%

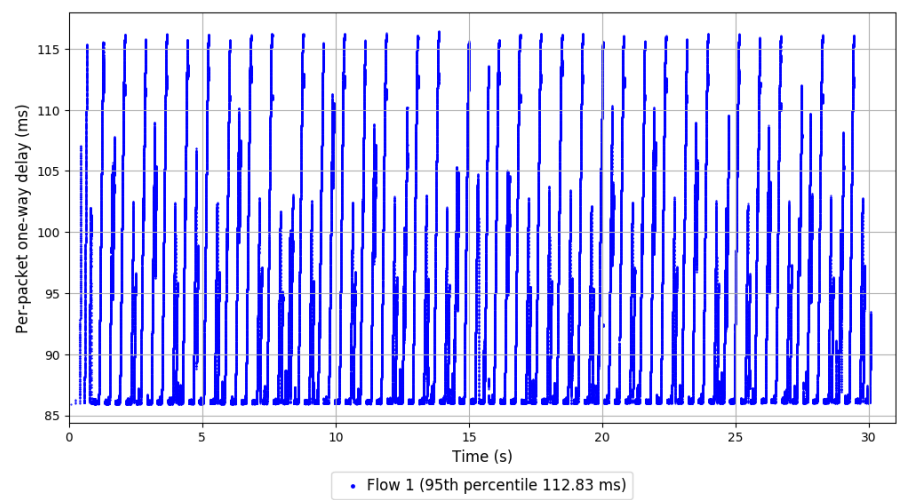
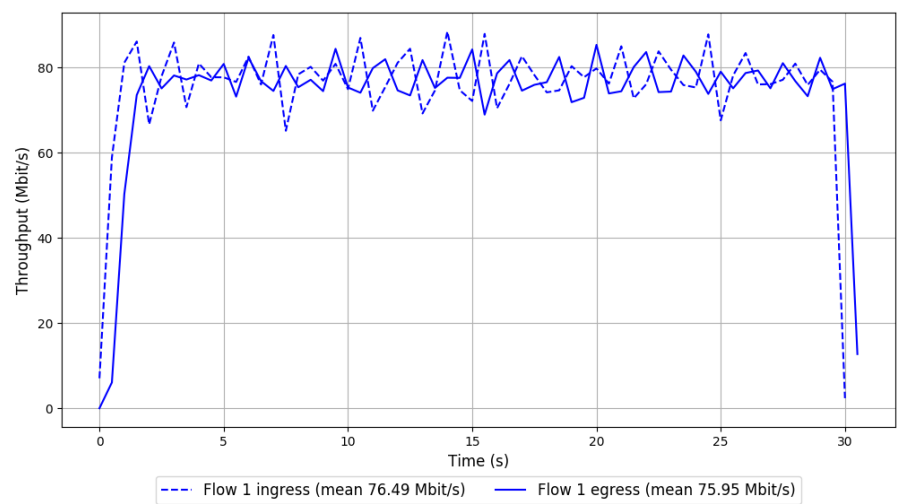
-- Flow 1:

Average throughput: 75.95 Mbit/s

95th percentile per-packet one-way delay: 112.831 ms

Loss rate: 0.75%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-24 07:38:54

End at: 2018-07-24 07:39:24

Local clock offset: -7.577 ms

Remote clock offset: 6.164 ms

Below is generated by plot.py at 2018-07-24 10:17:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.61 Mbit/s

95th percentile per-packet one-way delay: 116.554 ms

Loss rate: 0.81%

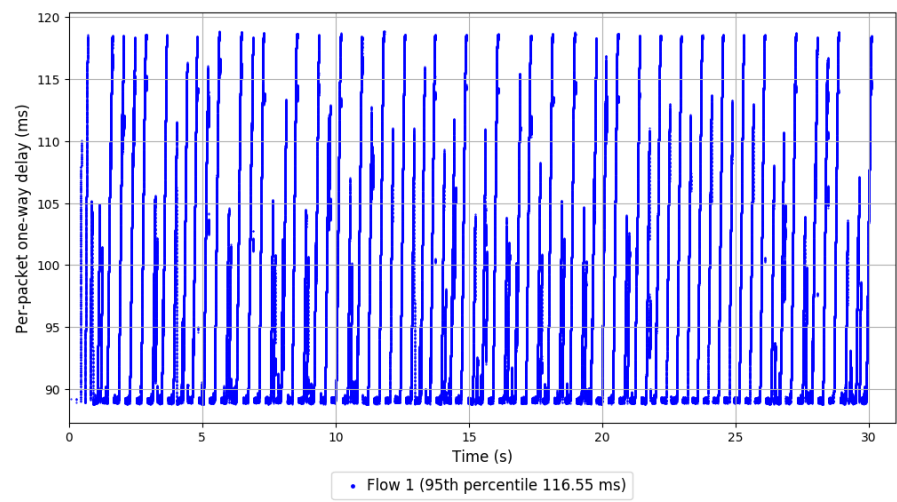
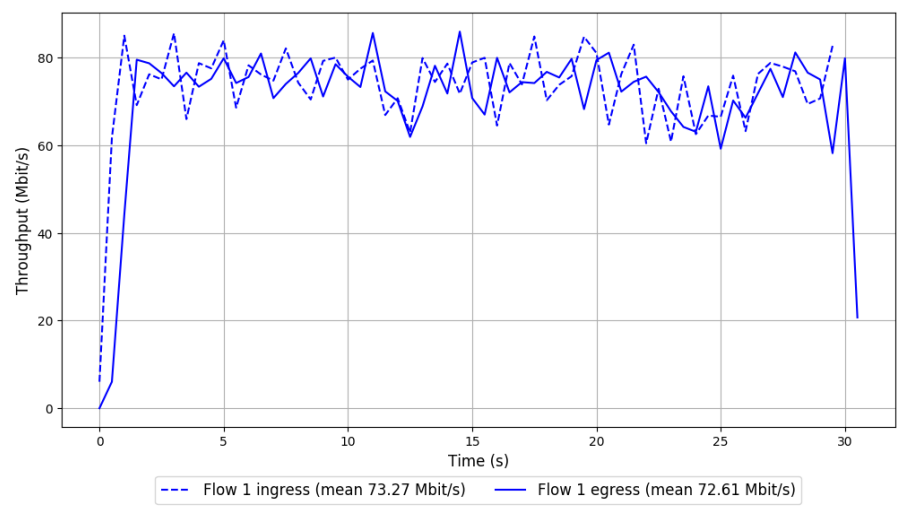
-- Flow 1:

Average throughput: 72.61 Mbit/s

95th percentile per-packet one-way delay: 116.554 ms

Loss rate: 0.81%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-24 07:58:47

End at: 2018-07-24 07:59:18

Local clock offset: -7.663 ms

Remote clock offset: 4.854 ms

Below is generated by plot.py at 2018-07-24 10:17:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.27 Mbit/s

95th percentile per-packet one-way delay: 108.876 ms

Loss rate: 0.64%

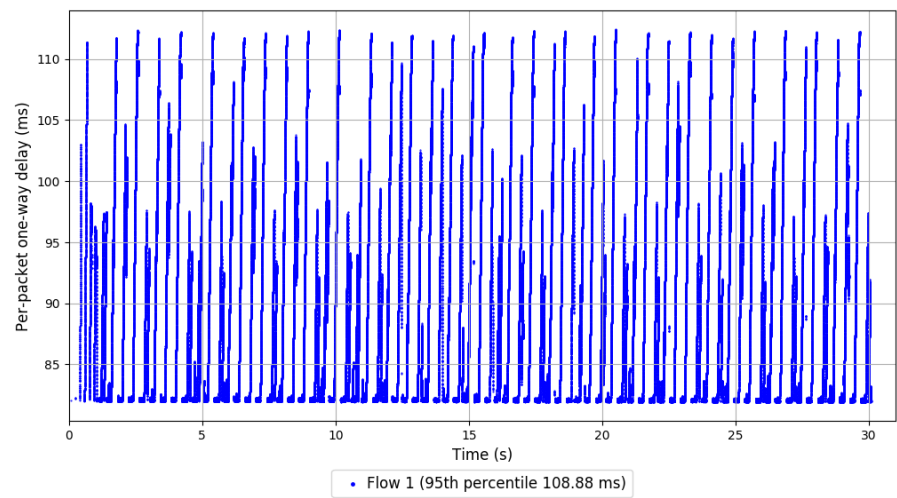
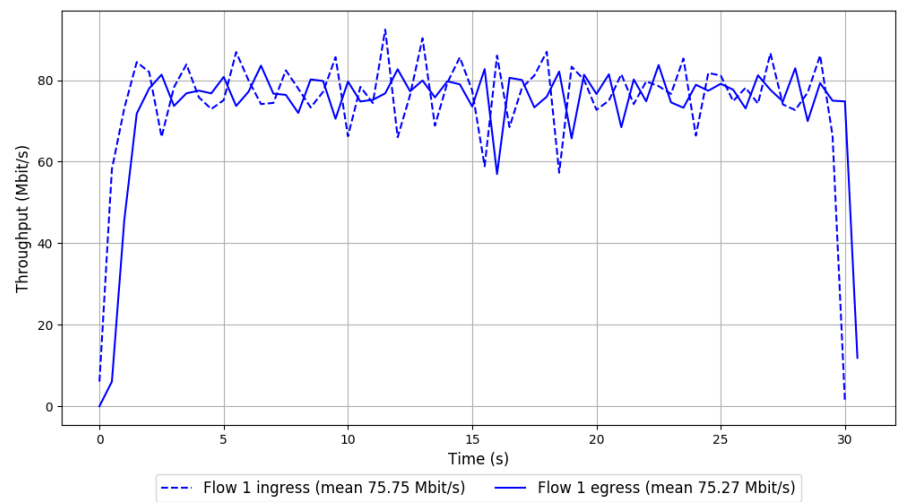
-- Flow 1:

Average throughput: 75.27 Mbit/s

95th percentile per-packet one-way delay: 108.876 ms

Loss rate: 0.64%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-24 08:18:40

End at: 2018-07-24 08:19:10

Local clock offset: -5.131 ms

Remote clock offset: 4.163 ms

Below is generated by plot.py at 2018-07-24 10:17:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.91 Mbit/s

95th percentile per-packet one-way delay: 114.889 ms

Loss rate: 0.99%

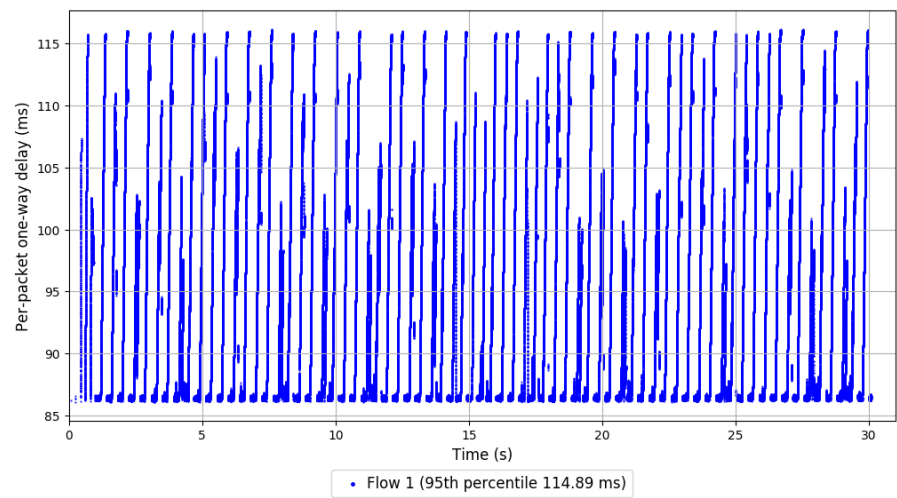
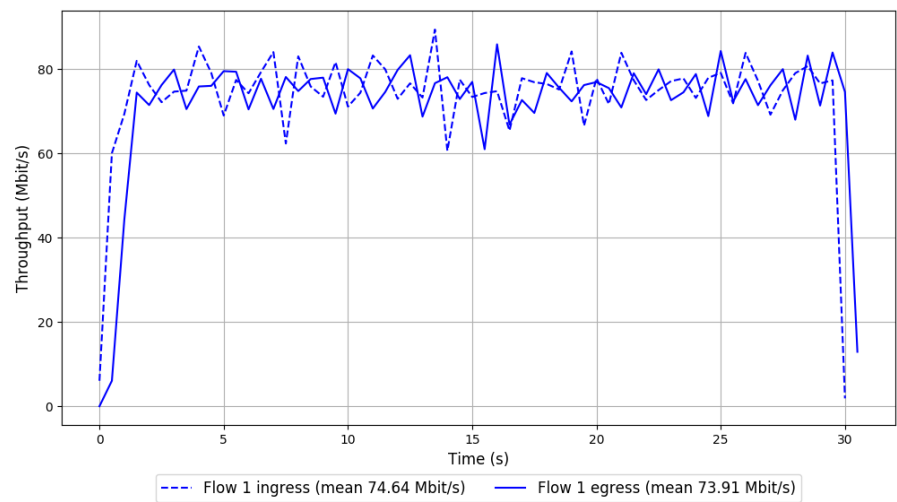
-- Flow 1:

Average throughput: 73.91 Mbit/s

95th percentile per-packet one-way delay: 114.889 ms

Loss rate: 0.99%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-24 08:38:35

End at: 2018-07-24 08:39:05

Local clock offset: -4.208 ms

Remote clock offset: 1.981 ms

Below is generated by plot.py at 2018-07-24 10:17:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.28 Mbit/s

95th percentile per-packet one-way delay: 107.778 ms

Loss rate: 0.62%

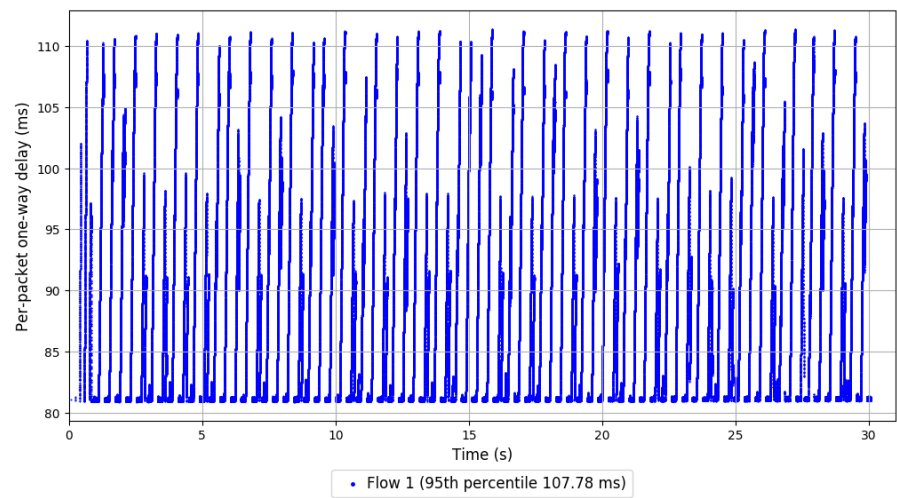
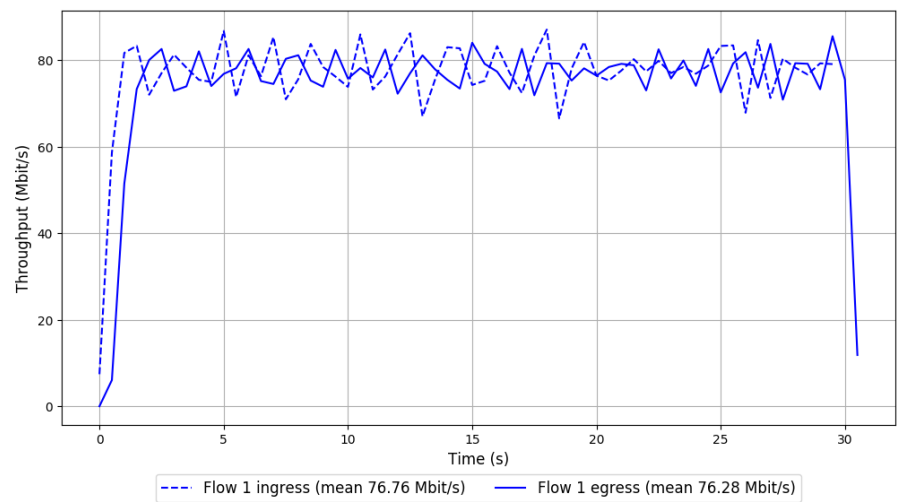
-- Flow 1:

Average throughput: 76.28 Mbit/s

95th percentile per-packet one-way delay: 107.778 ms

Loss rate: 0.62%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-24 08:58:26

End at: 2018-07-24 08:58:56

Local clock offset: -3.69 ms

Remote clock offset: 7.547 ms

Below is generated by plot.py at 2018-07-24 10:17:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.18 Mbit/s

95th percentile per-packet one-way delay: 111.200 ms

Loss rate: 0.67%

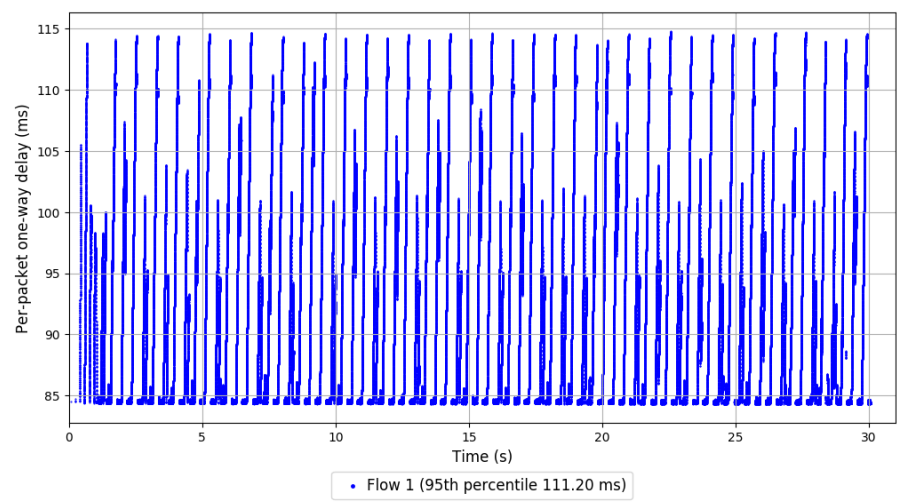
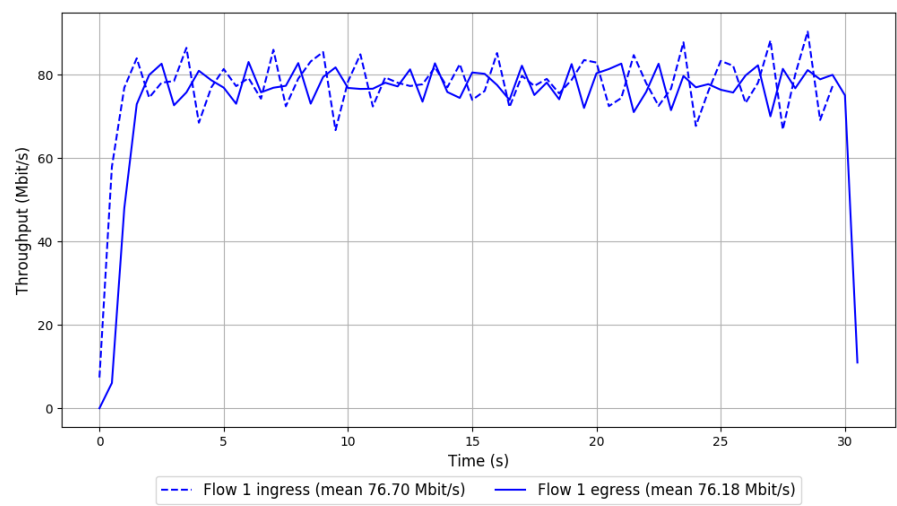
-- Flow 1:

Average throughput: 76.18 Mbit/s

95th percentile per-packet one-way delay: 111.200 ms

Loss rate: 0.67%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-07-24 09:18:14

End at: 2018-07-24 09:18:44

Local clock offset: -7.648 ms

Remote clock offset: 5.294 ms

Below is generated by plot.py at 2018-07-24 10:17:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.36 Mbit/s

95th percentile per-packet one-way delay: 107.721 ms

Loss rate: 0.63%

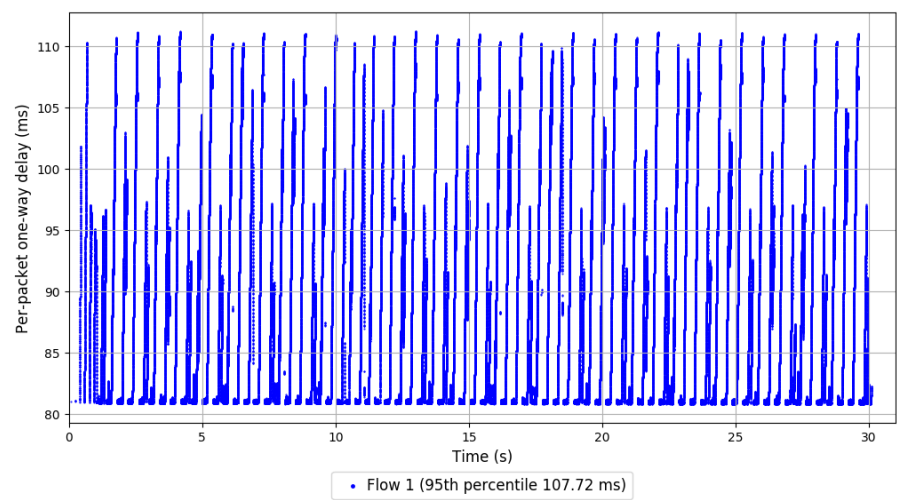
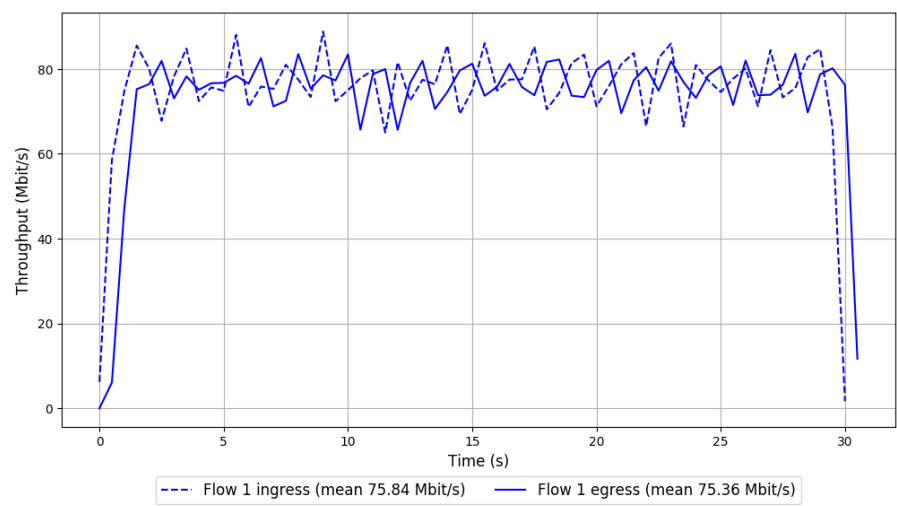
-- Flow 1:

Average throughput: 75.36 Mbit/s

95th percentile per-packet one-way delay: 107.721 ms

Loss rate: 0.63%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-24 09:38:08

End at: 2018-07-24 09:38:38

Local clock offset: -5.547 ms

Remote clock offset: 13.172 ms

Below is generated by plot.py at 2018-07-24 10:19:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.16 Mbit/s

95th percentile per-packet one-way delay: 111.442 ms

Loss rate: 0.69%

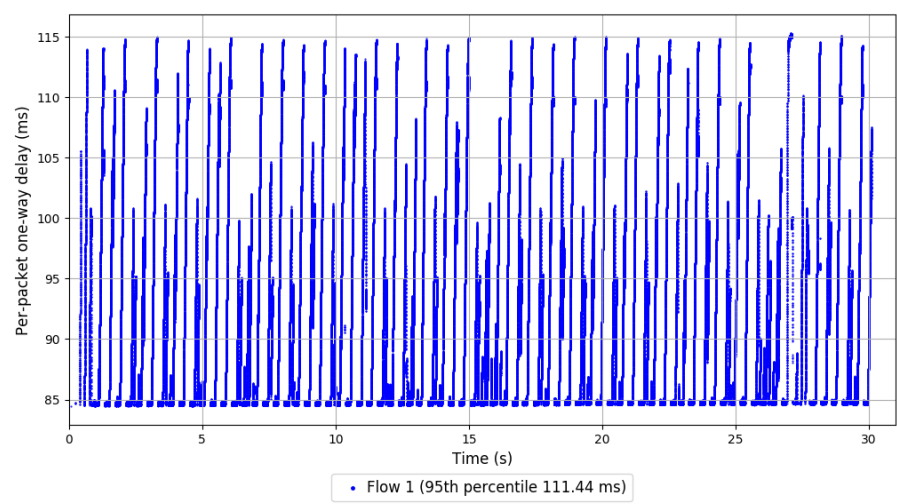
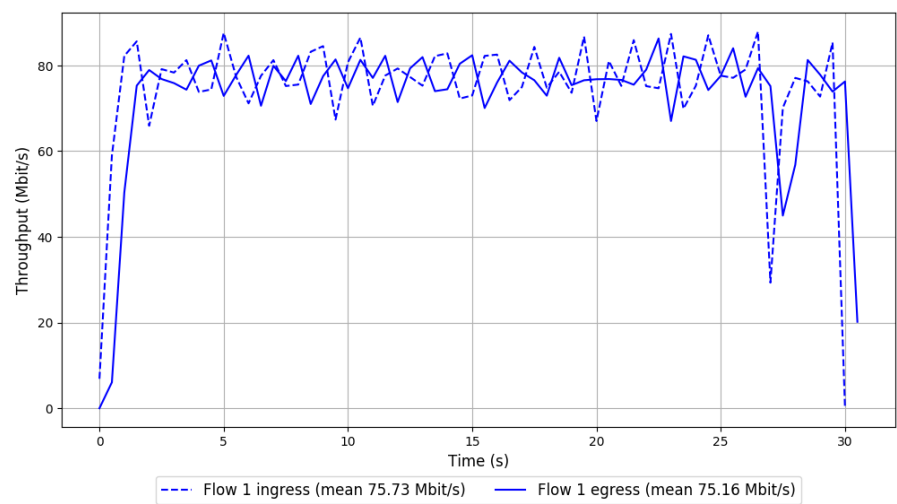
-- Flow 1:

Average throughput: 75.16 Mbit/s

95th percentile per-packet one-way delay: 111.442 ms

Loss rate: 0.69%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-24 09:57:56

End at: 2018-07-24 09:58:26

Local clock offset: -2.174 ms

Remote clock offset: 16.213 ms

Below is generated by plot.py at 2018-07-24 10:19:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.25 Mbit/s

95th percentile per-packet one-way delay: 115.119 ms

Loss rate: 1.20%

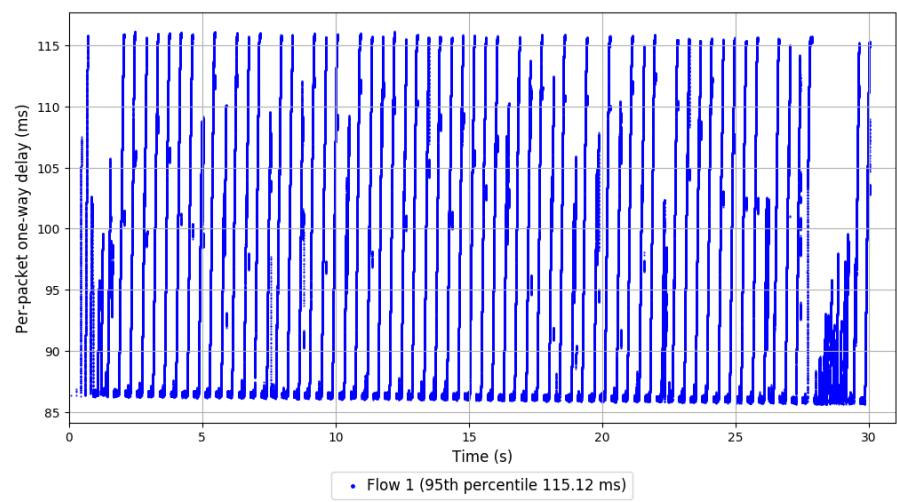
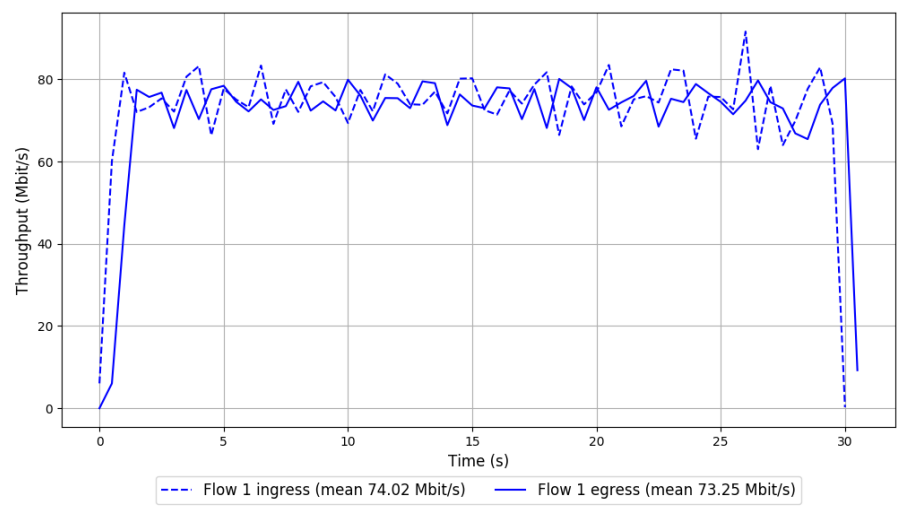
-- Flow 1:

Average throughput: 73.25 Mbit/s

95th percentile per-packet one-way delay: 115.119 ms

Loss rate: 1.20%

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

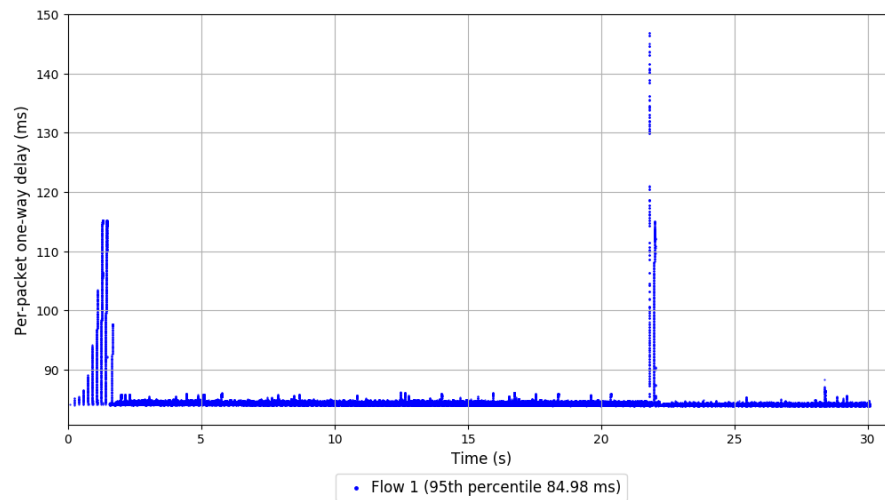
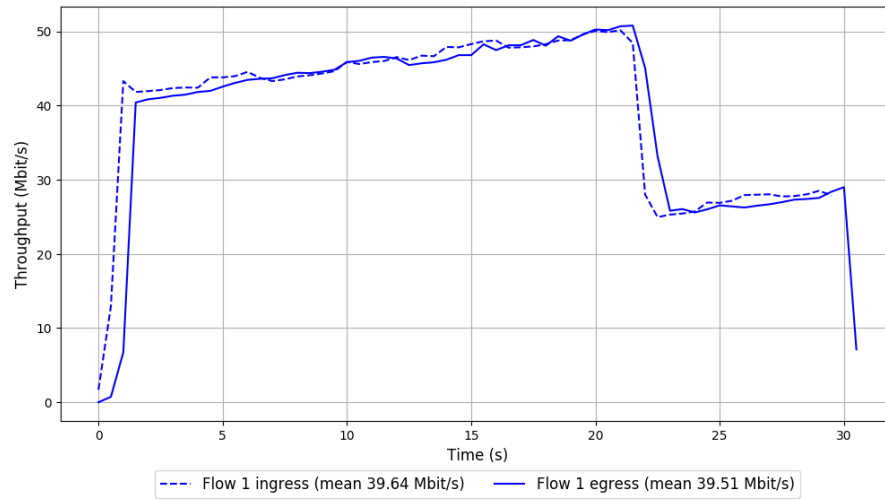


Run 1: Statistics of TCP Vegas

Start at: 2018-07-24 06:53:13
End at: 2018-07-24 06:53:43
Local clock offset: -16.566 ms
Remote clock offset: 17.127 ms

Below is generated by plot.py at 2018-07-24 10:19:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 39.51 Mbit/s
95th percentile per-packet one-way delay: 84.976 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 39.51 Mbit/s
95th percentile per-packet one-way delay: 84.976 ms
Loss rate: 0.34%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-07-24 07:13:09

End at: 2018-07-24 07:13:39

Local clock offset: -9.876 ms

Remote clock offset: 5.388 ms

Below is generated by plot.py at 2018-07-24 10:19:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.26 Mbit/s

95th percentile per-packet one-way delay: 87.719 ms

Loss rate: 0.29%

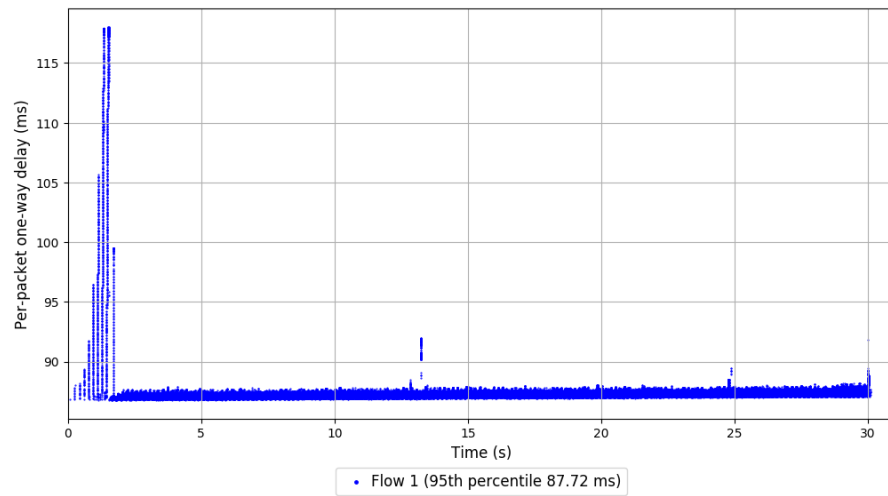
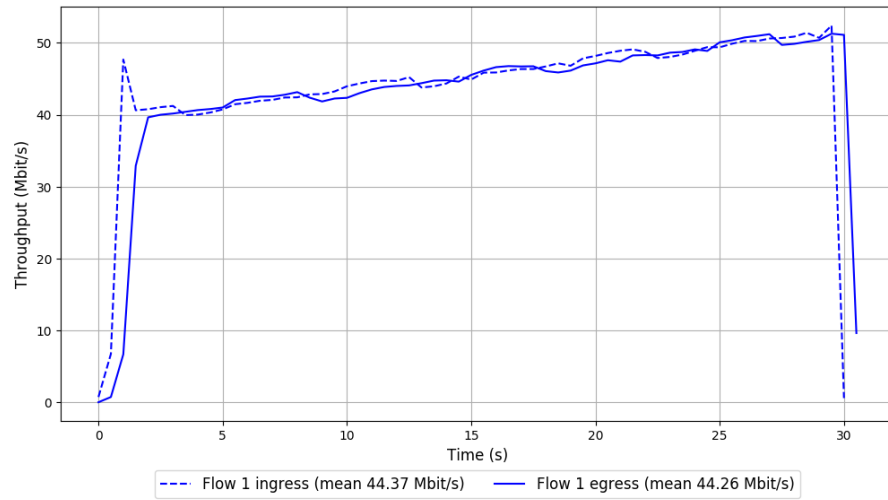
-- Flow 1:

Average throughput: 44.26 Mbit/s

95th percentile per-packet one-way delay: 87.719 ms

Loss rate: 0.29%

Run 2: Report of TCP Vegas — Data Link

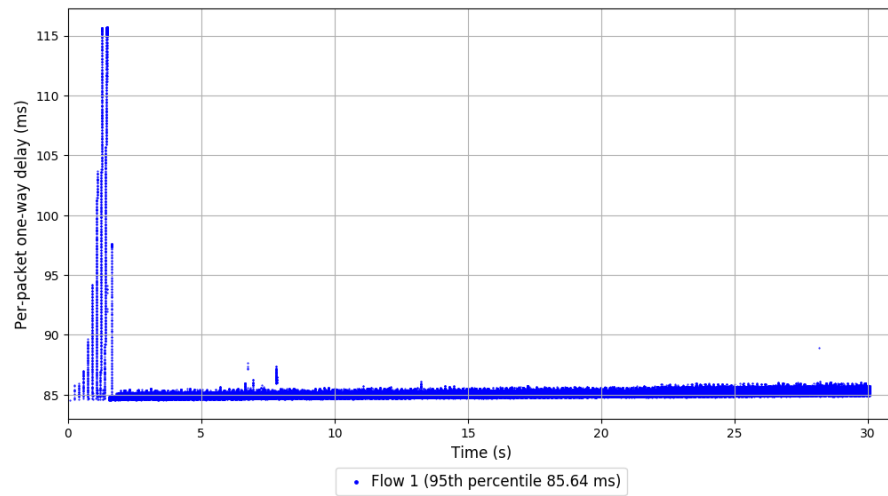
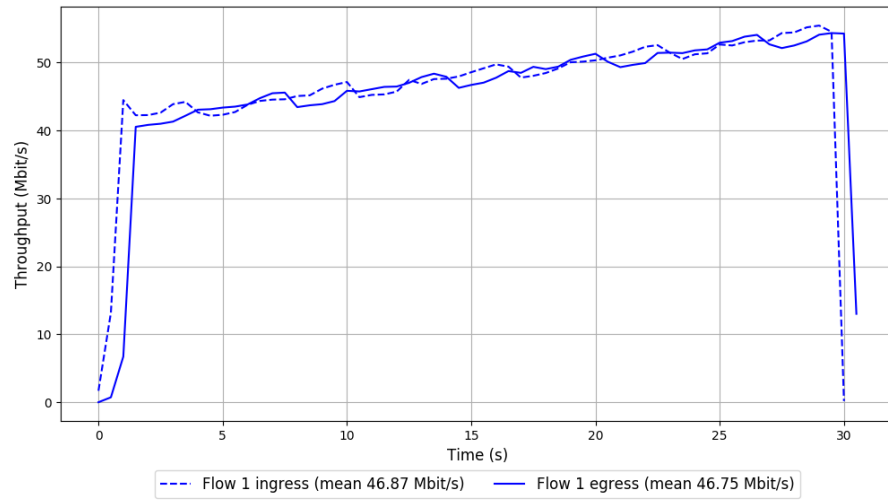


Run 3: Statistics of TCP Vegas

Start at: 2018-07-24 07:33:04
End at: 2018-07-24 07:33:35
Local clock offset: -10.276 ms
Remote clock offset: 6.745 ms

Below is generated by plot.py at 2018-07-24 10:19:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 46.75 Mbit/s
95th percentile per-packet one-way delay: 85.635 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 46.75 Mbit/s
95th percentile per-packet one-way delay: 85.635 ms
Loss rate: 0.26%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-07-24 07:52:59

End at: 2018-07-24 07:53:29

Local clock offset: -7.002 ms

Remote clock offset: 4.77 ms

Below is generated by plot.py at 2018-07-24 10:19:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 45.54 Mbit/s

95th percentile per-packet one-way delay: 82.818 ms

Loss rate: 0.28%

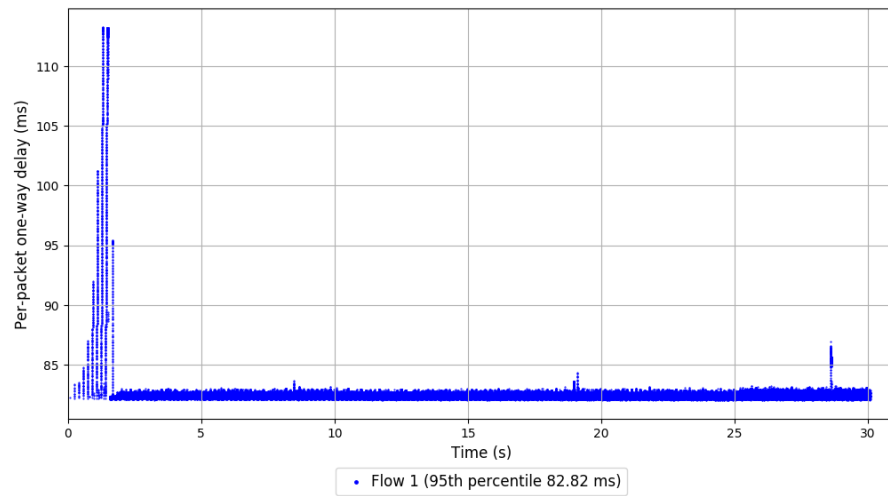
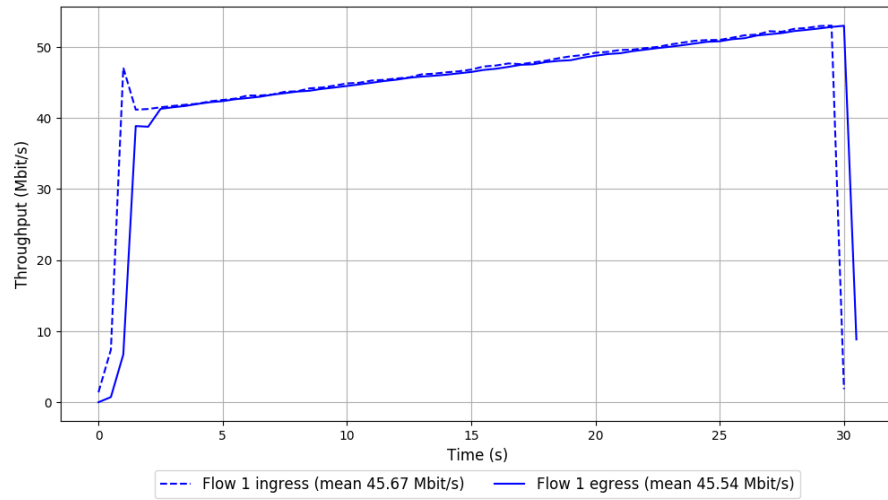
-- Flow 1:

Average throughput: 45.54 Mbit/s

95th percentile per-packet one-way delay: 82.818 ms

Loss rate: 0.28%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-24 08:12:51

End at: 2018-07-24 08:13:21

Local clock offset: -5.353 ms

Remote clock offset: 7.509 ms

Below is generated by plot.py at 2018-07-24 10:19:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 38.20 Mbit/s

95th percentile per-packet one-way delay: 84.416 ms

Loss rate: 0.56%

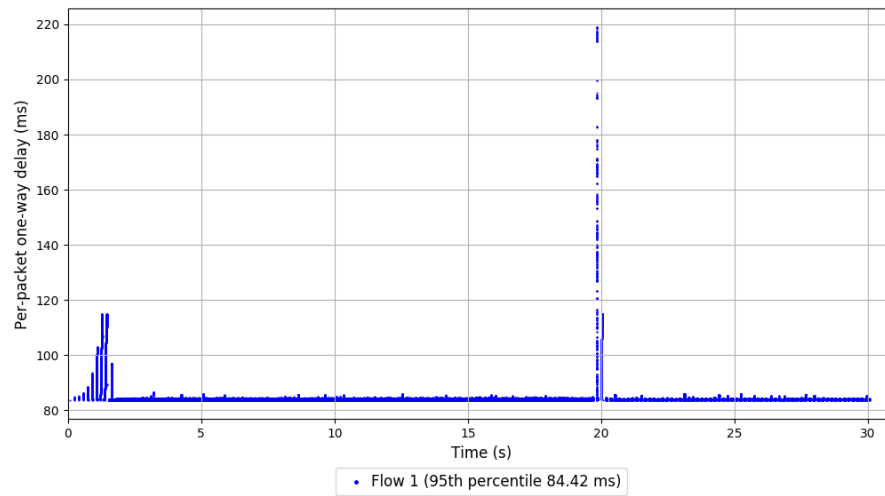
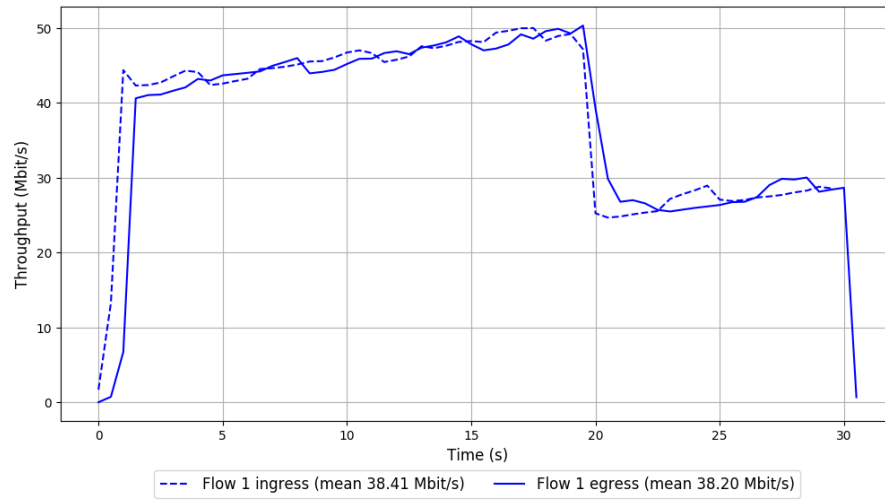
-- Flow 1:

Average throughput: 38.20 Mbit/s

95th percentile per-packet one-way delay: 84.416 ms

Loss rate: 0.56%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-07-24 08:32:47

End at: 2018-07-24 08:33:17

Local clock offset: -5.488 ms

Remote clock offset: 8.48 ms

Below is generated by plot.py at 2018-07-24 10:19:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.50 Mbit/s

95th percentile per-packet one-way delay: 87.618 ms

Loss rate: 0.26%

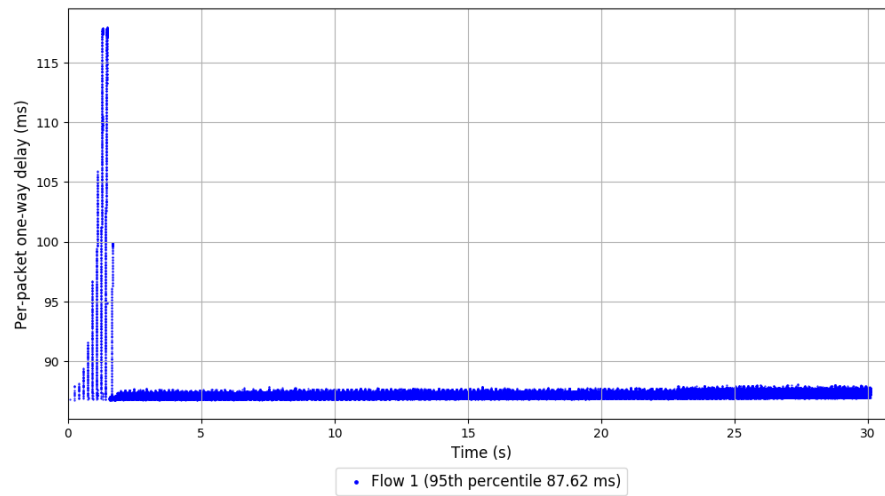
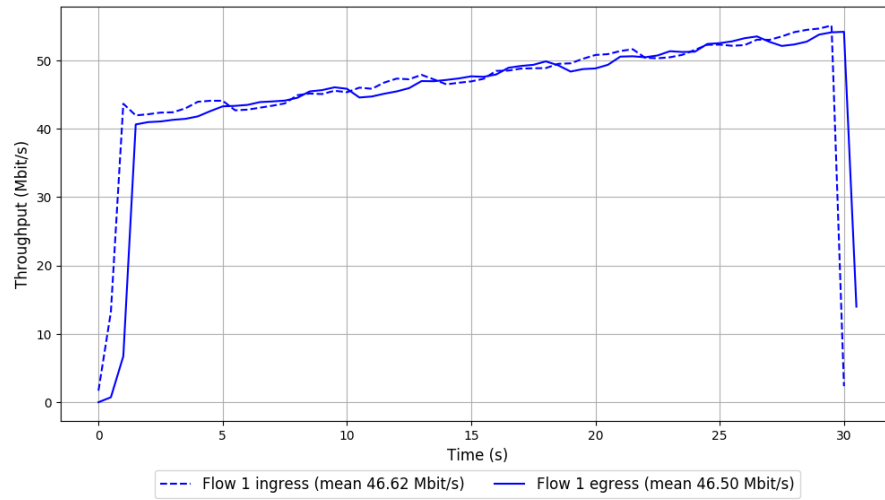
-- Flow 1:

Average throughput: 46.50 Mbit/s

95th percentile per-packet one-way delay: 87.618 ms

Loss rate: 0.26%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-07-24 08:52:39

End at: 2018-07-24 08:53:09

Local clock offset: -3.667 ms

Remote clock offset: 3.038 ms

Below is generated by plot.py at 2018-07-24 10:19:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.92 Mbit/s

95th percentile per-packet one-way delay: 85.586 ms

Loss rate: 0.02%

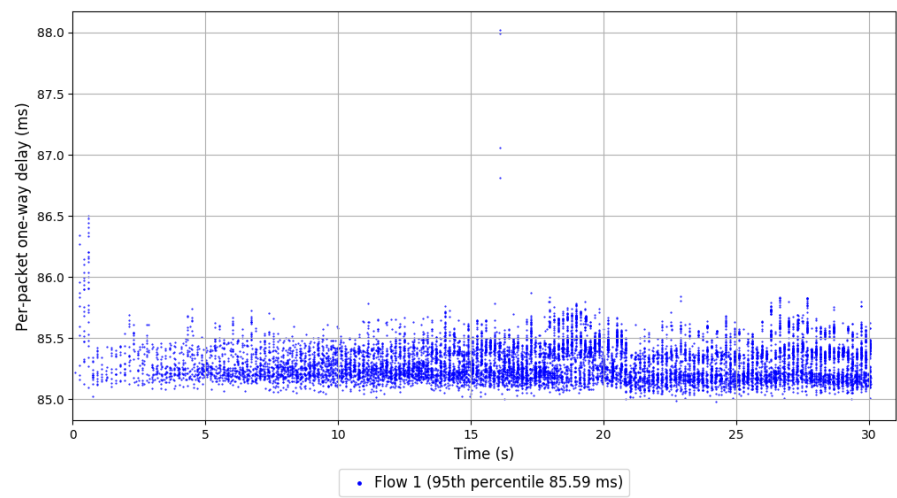
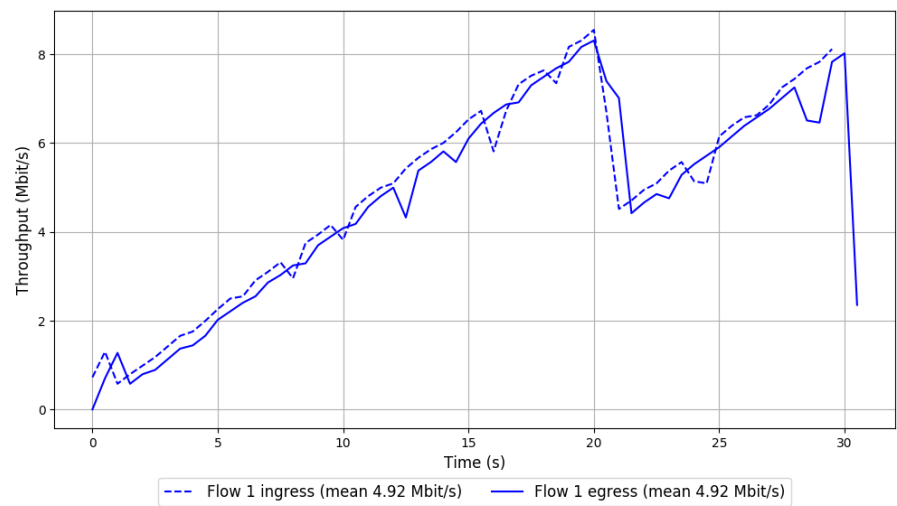
-- Flow 1:

Average throughput: 4.92 Mbit/s

95th percentile per-packet one-way delay: 85.586 ms

Loss rate: 0.02%

Run 7: Report of TCP Vegas — Data Link

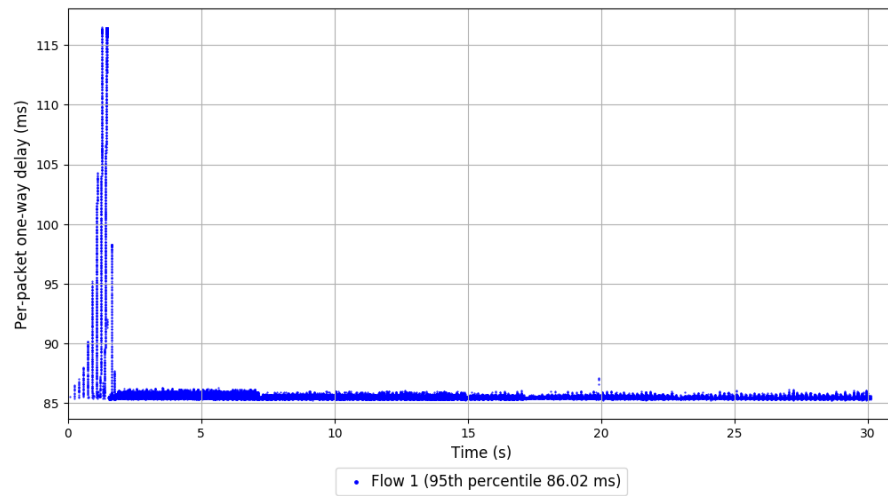
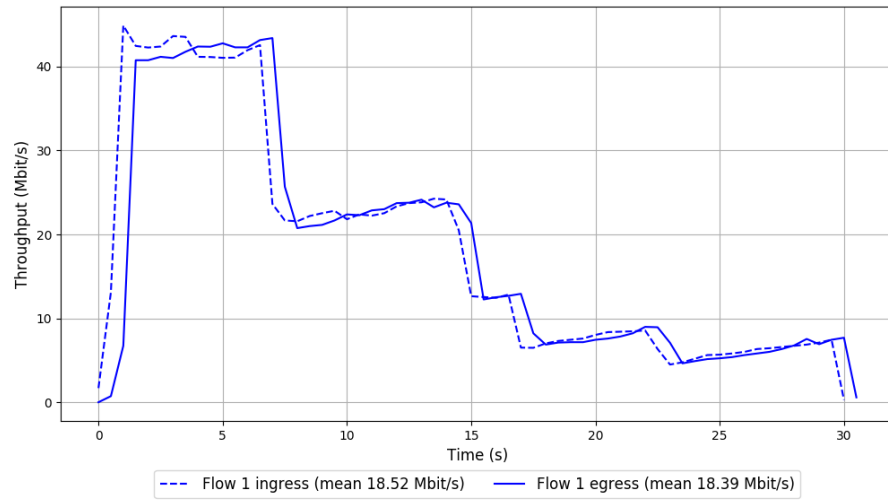


Run 8: Statistics of TCP Vegas

Start at: 2018-07-24 09:12:26
End at: 2018-07-24 09:12:56
Local clock offset: -6.729 ms
Remote clock offset: 10.211 ms

Below is generated by plot.py at 2018-07-24 10:19:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 18.39 Mbit/s
95th percentile per-packet one-way delay: 86.021 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 18.39 Mbit/s
95th percentile per-packet one-way delay: 86.021 ms
Loss rate: 0.67%

Run 8: Report of TCP Vegas — Data Link

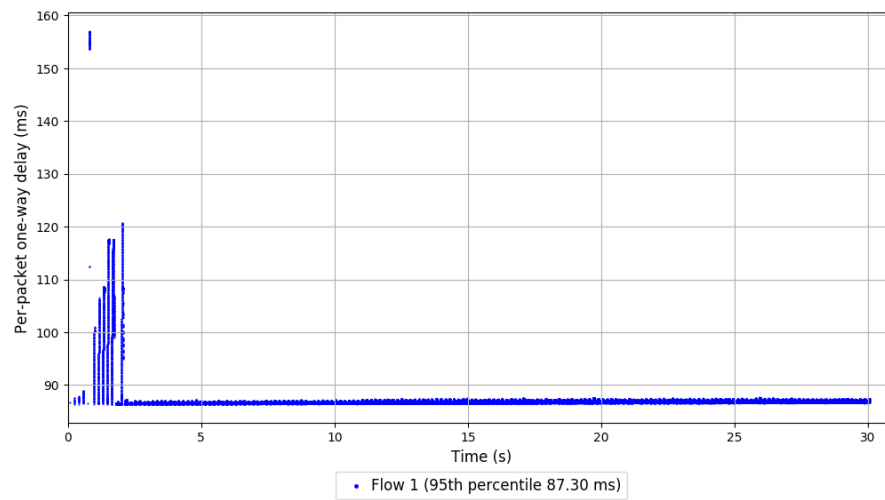
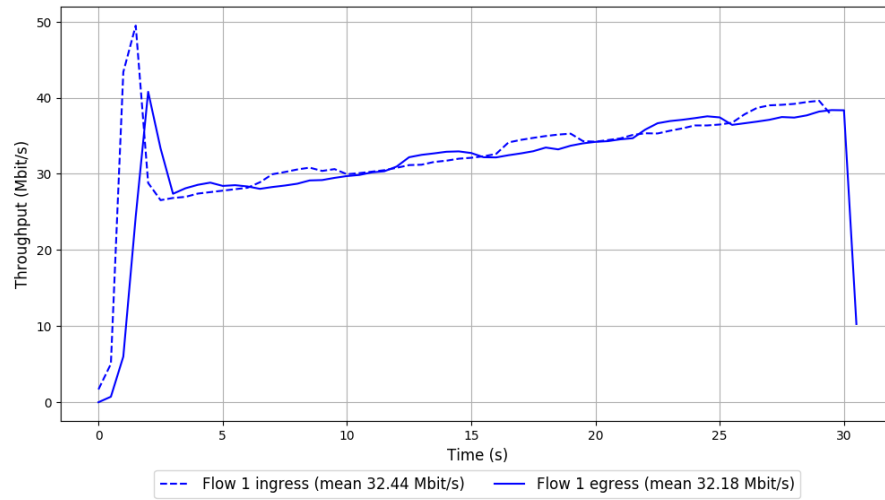


Run 9: Statistics of TCP Vegas

Start at: 2018-07-24 09:32:19
End at: 2018-07-24 09:32:49
Local clock offset: -8.676 ms
Remote clock offset: 12.368 ms

Below is generated by plot.py at 2018-07-24 10:19:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 32.18 Mbit/s
95th percentile per-packet one-way delay: 87.303 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 32.18 Mbit/s
95th percentile per-packet one-way delay: 87.303 ms
Loss rate: 0.81%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-24 09:52:08

End at: 2018-07-24 09:52:38

Local clock offset: -2.57 ms

Remote clock offset: 14.247 ms

Below is generated by plot.py at 2018-07-24 10:19:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.86 Mbit/s

95th percentile per-packet one-way delay: 85.177 ms

Loss rate: 0.30%

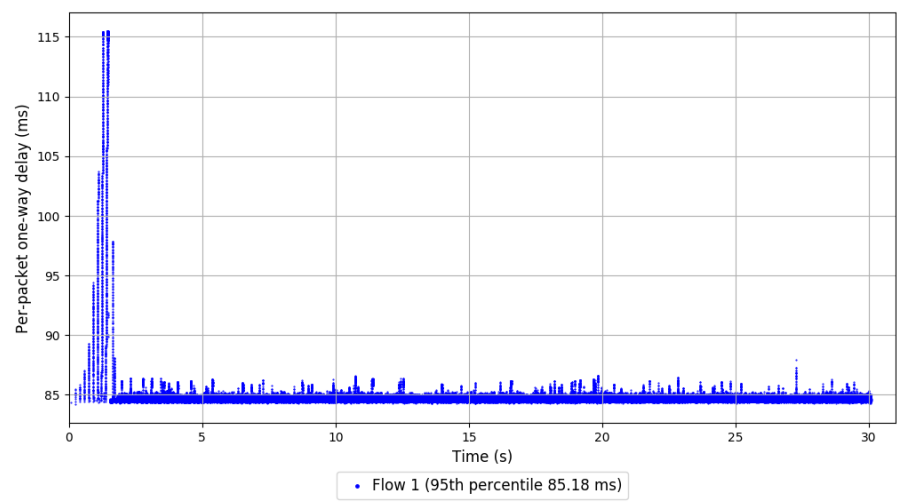
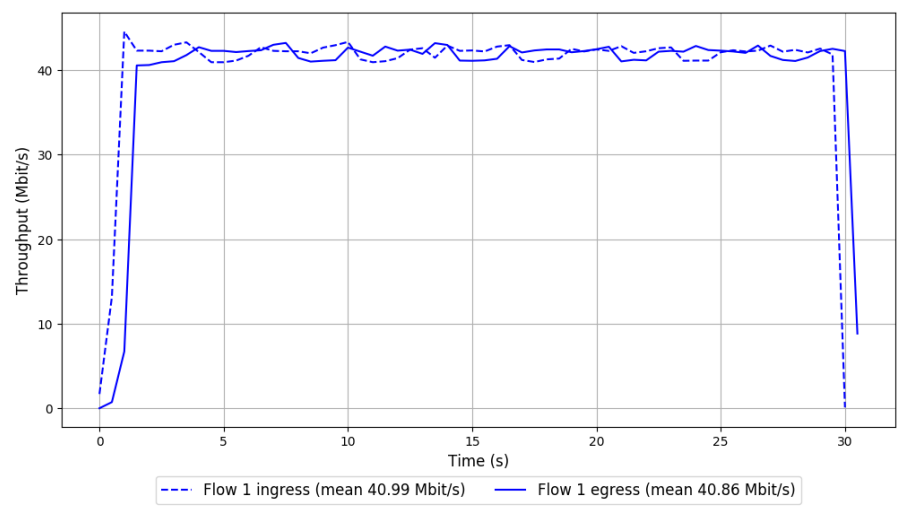
-- Flow 1:

Average throughput: 40.86 Mbit/s

95th percentile per-packet one-way delay: 85.177 ms

Loss rate: 0.30%

Run 10: Report of TCP Vegas — Data Link

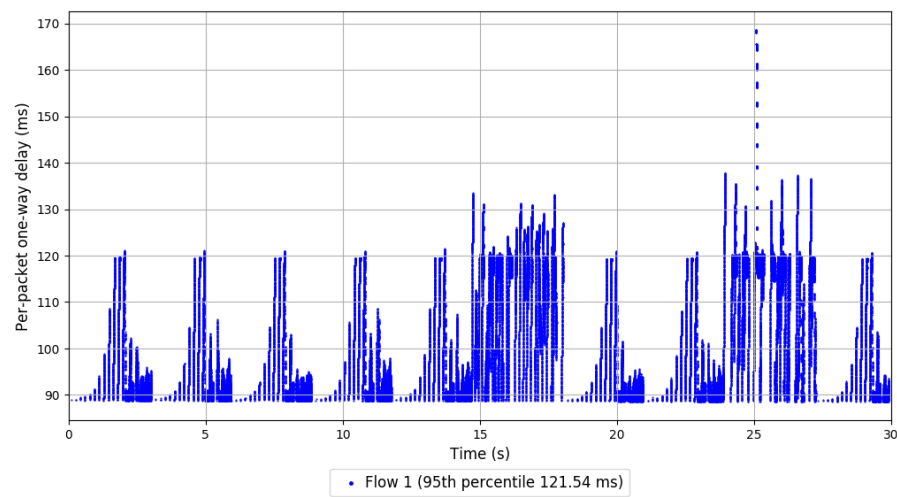
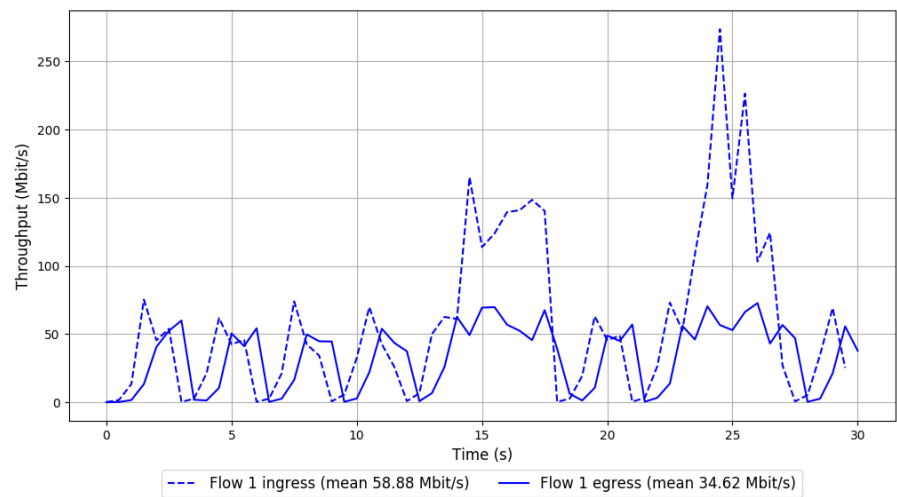


Run 1: Statistics of Verus

Start at: 2018-07-24 07:00:15
End at: 2018-07-24 07:00:45
Local clock offset: -18.89 ms
Remote clock offset: 16.939 ms

Below is generated by plot.py at 2018-07-24 10:19:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.62 Mbit/s
95th percentile per-packet one-way delay: 121.538 ms
Loss rate: 41.21%
-- Flow 1:
Average throughput: 34.62 Mbit/s
95th percentile per-packet one-way delay: 121.538 ms
Loss rate: 41.21%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-07-24 07:20:11

End at: 2018-07-24 07:20:41

Local clock offset: -9.329 ms

Remote clock offset: 9.608 ms

Below is generated by plot.py at 2018-07-24 10:19:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.69 Mbit/s

95th percentile per-packet one-way delay: 195.049 ms

Loss rate: 76.54%

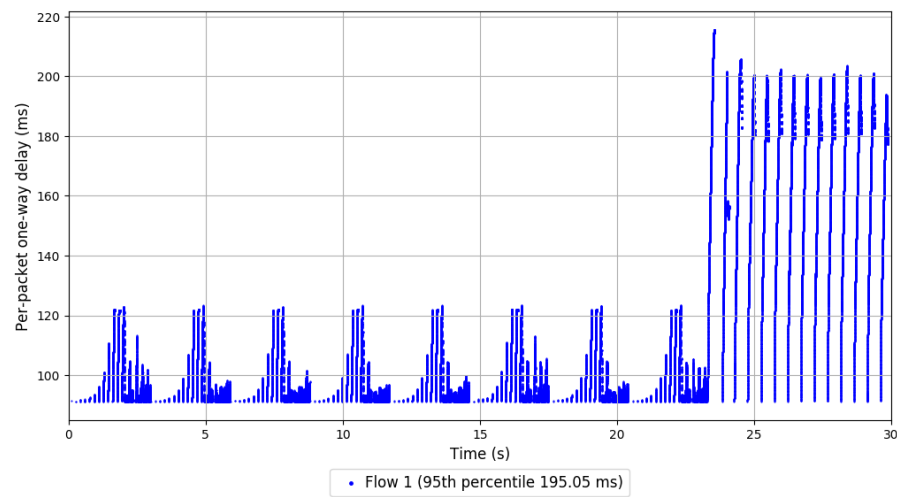
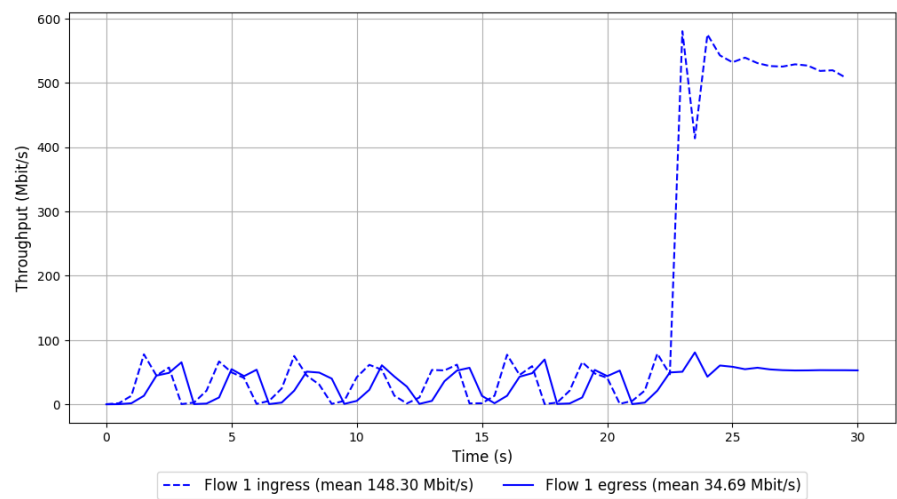
-- Flow 1:

Average throughput: 34.69 Mbit/s

95th percentile per-packet one-way delay: 195.049 ms

Loss rate: 76.54%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-07-24 07:40:08

End at: 2018-07-24 07:40:38

Local clock offset: -7.309 ms

Remote clock offset: 2.512 ms

Below is generated by plot.py at 2018-07-24 10:19:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.99 Mbit/s

95th percentile per-packet one-way delay: 112.079 ms

Loss rate: 10.80%

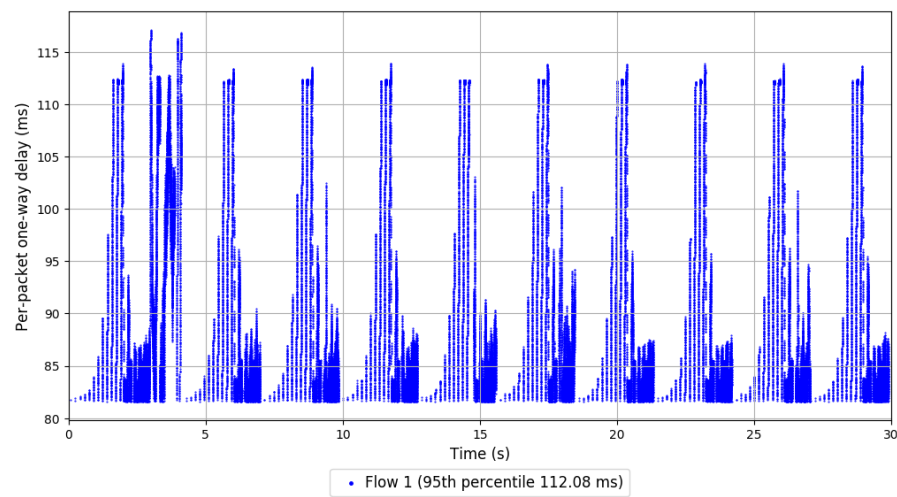
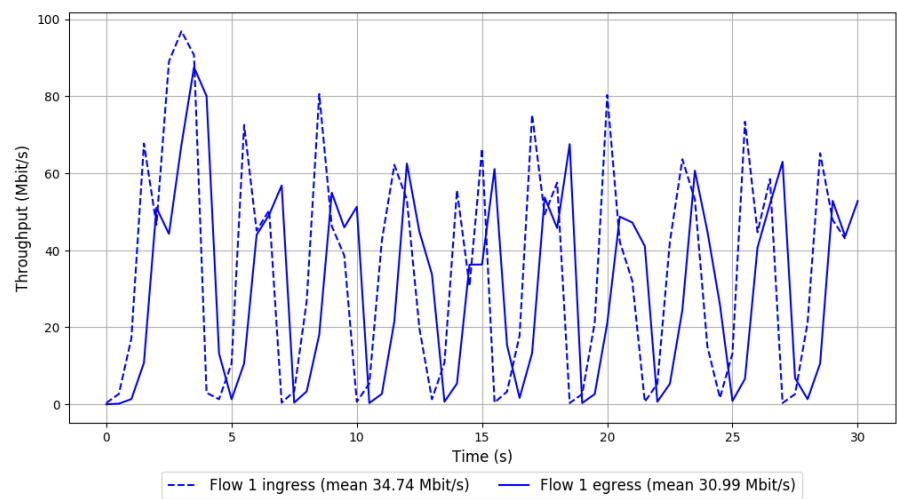
-- Flow 1:

Average throughput: 30.99 Mbit/s

95th percentile per-packet one-way delay: 112.079 ms

Loss rate: 10.80%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-07-24 08:00:00

End at: 2018-07-24 08:00:30

Local clock offset: -7.866 ms

Remote clock offset: 4.825 ms

Below is generated by plot.py at 2018-07-24 10:19:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.44 Mbit/s

95th percentile per-packet one-way delay: 148.320 ms

Loss rate: 69.52%

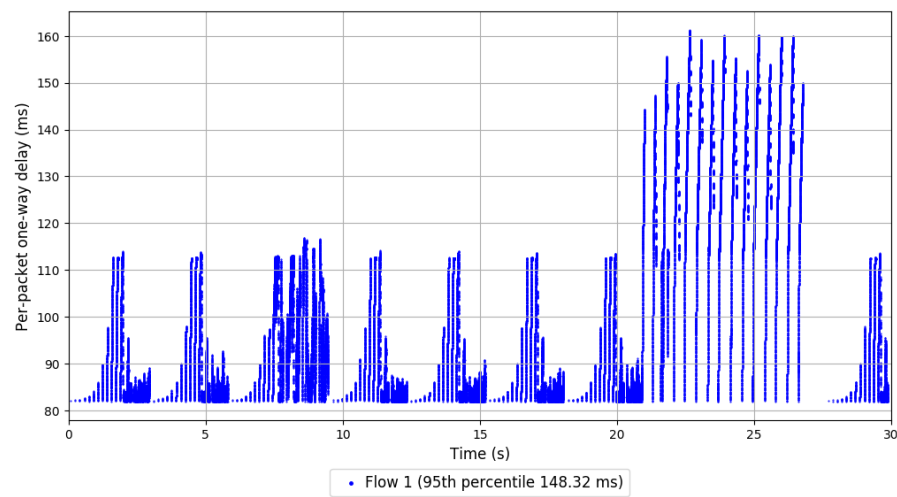
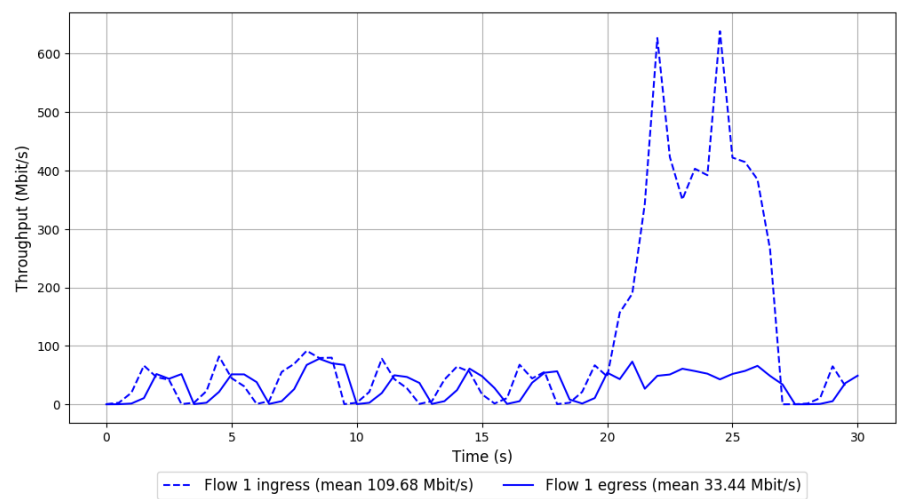
-- Flow 1:

Average throughput: 33.44 Mbit/s

95th percentile per-packet one-way delay: 148.320 ms

Loss rate: 69.52%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-07-24 08:19:54

End at: 2018-07-24 08:20:24

Local clock offset: -5.148 ms

Remote clock offset: 8.013 ms

Below is generated by plot.py at 2018-07-24 10:19:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 37.67 Mbit/s

95th percentile per-packet one-way delay: 125.704 ms

Loss rate: 51.93%

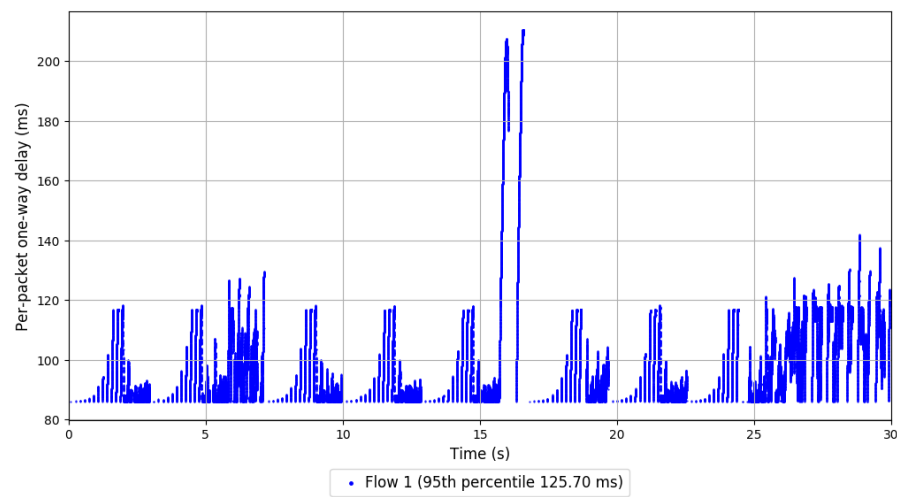
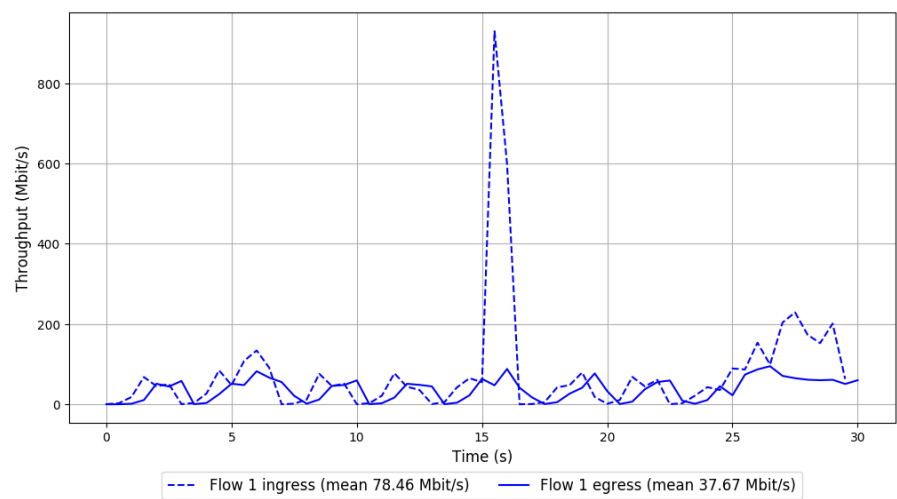
-- Flow 1:

Average throughput: 37.67 Mbit/s

95th percentile per-packet one-way delay: 125.704 ms

Loss rate: 51.93%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-07-24 08:39:48

End at: 2018-07-24 08:40:18

Local clock offset: -4.045 ms

Remote clock offset: 6.034 ms

Below is generated by plot.py at 2018-07-24 10:19:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.93 Mbit/s

95th percentile per-packet one-way delay: 173.477 ms

Loss rate: 78.64%

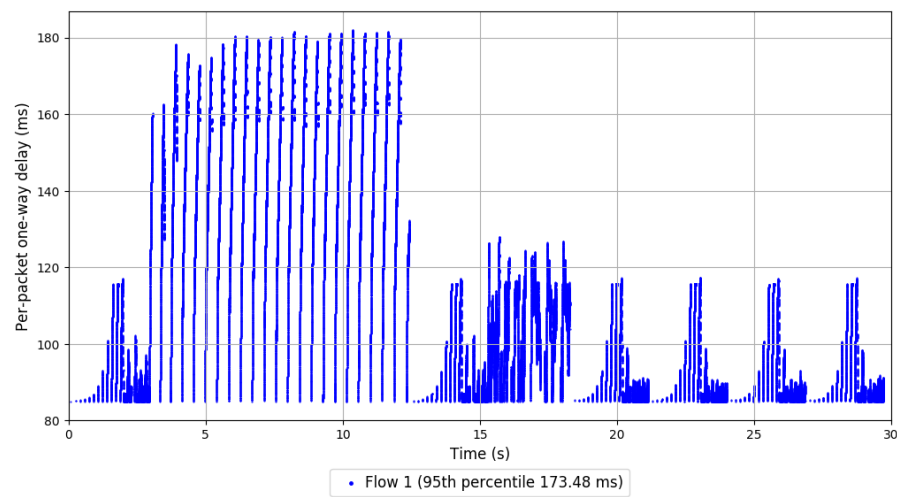
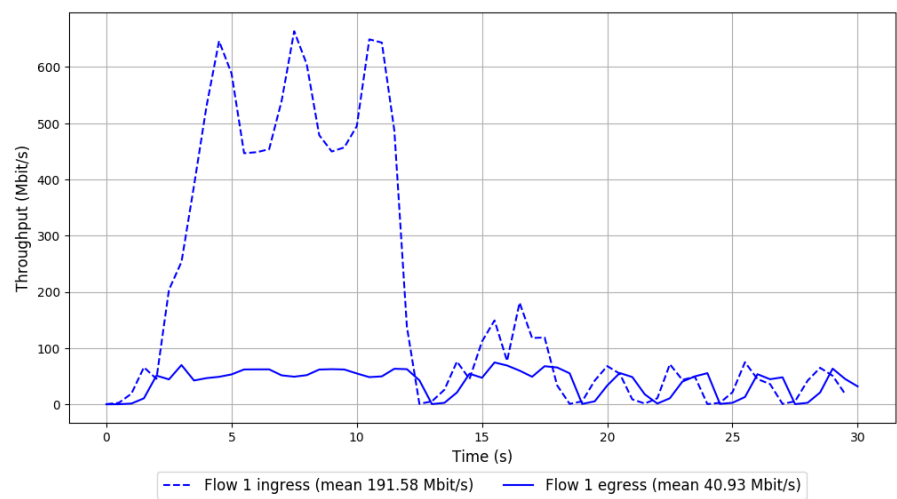
-- Flow 1:

Average throughput: 40.93 Mbit/s

95th percentile per-packet one-way delay: 173.477 ms

Loss rate: 78.64%

Run 6: Report of Verus — Data Link

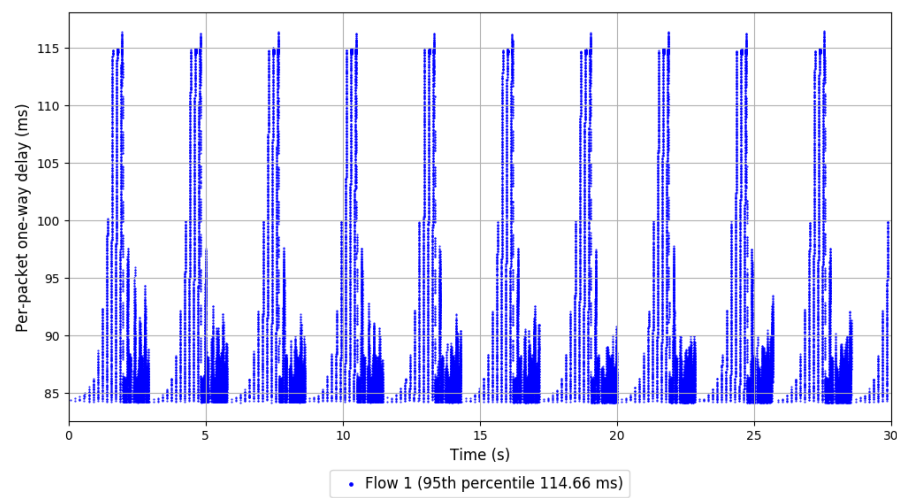
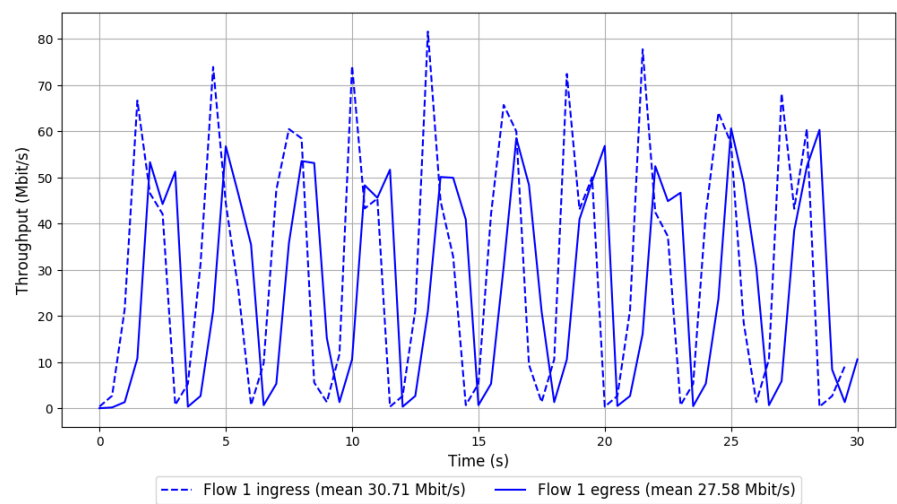


Run 7: Statistics of Verus

Start at: 2018-07-24 08:59:40
End at: 2018-07-24 09:00:10
Local clock offset: -3.711 ms
Remote clock offset: 8.737 ms

Below is generated by plot.py at 2018-07-24 10:19:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 27.58 Mbit/s
95th percentile per-packet one-way delay: 114.660 ms
Loss rate: 10.12%
-- Flow 1:
Average throughput: 27.58 Mbit/s
95th percentile per-packet one-way delay: 114.660 ms
Loss rate: 10.12%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-07-24 09:19:27

End at: 2018-07-24 09:19:57

Local clock offset: -7.783 ms

Remote clock offset: 5.285 ms

Below is generated by plot.py at 2018-07-24 10:19:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.51 Mbit/s

95th percentile per-packet one-way delay: 114.080 ms

Loss rate: 40.72%

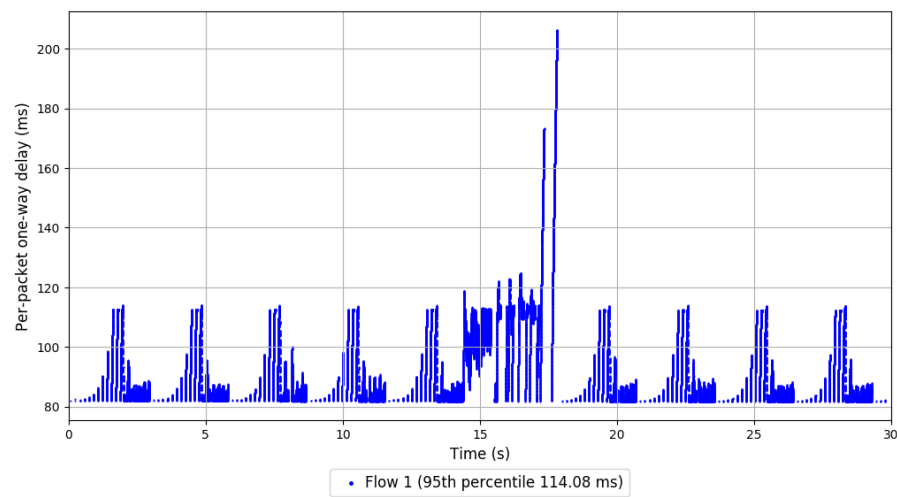
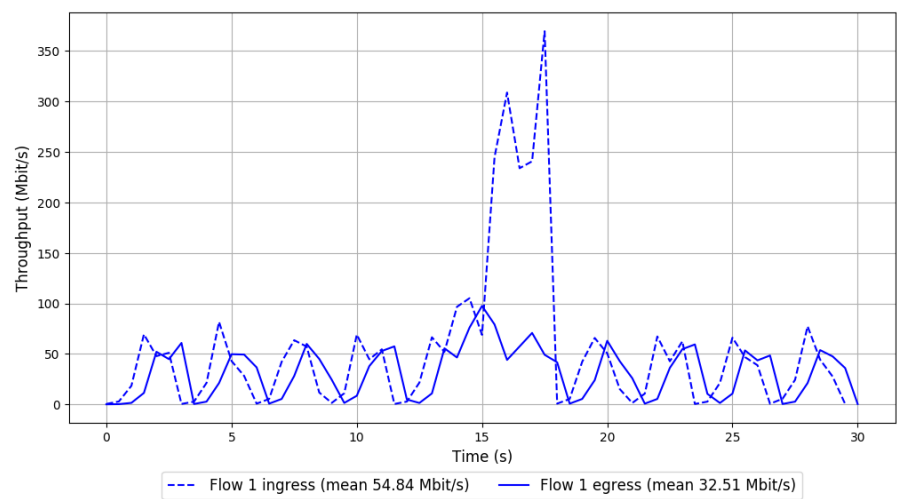
-- Flow 1:

Average throughput: 32.51 Mbit/s

95th percentile per-packet one-way delay: 114.080 ms

Loss rate: 40.72%

Run 8: Report of Verus — Data Link

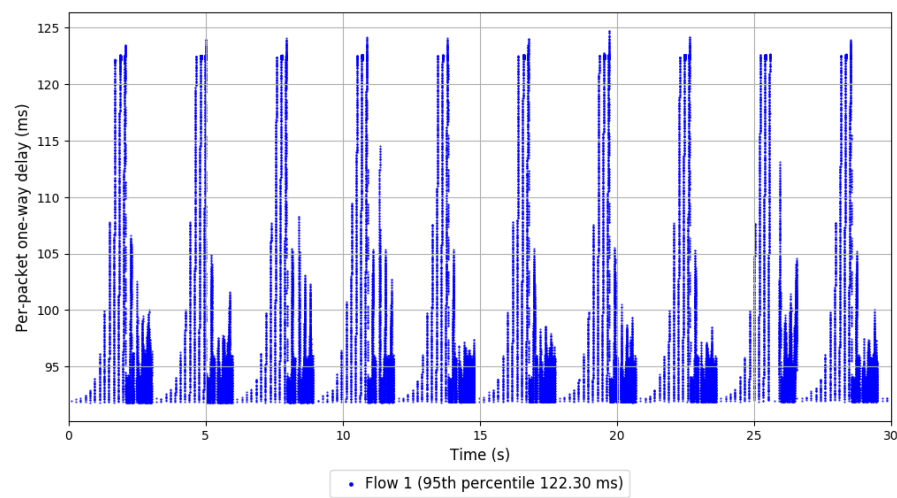
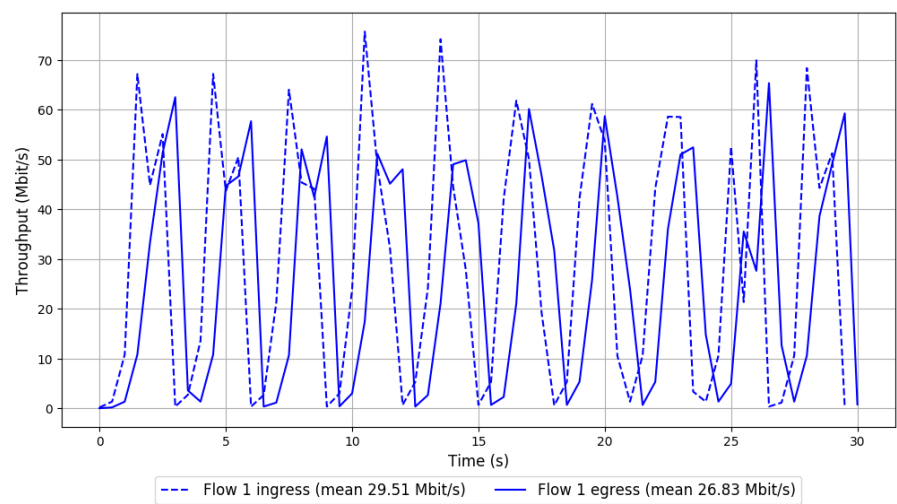


Run 9: Statistics of Verus

Start at: 2018-07-24 09:39:21
End at: 2018-07-24 09:39:51
Local clock offset: -5.052 ms
Remote clock offset: 13.122 ms

Below is generated by plot.py at 2018-07-24 10:19:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 26.83 Mbit/s
95th percentile per-packet one-way delay: 122.295 ms
Loss rate: 9.07%
-- Flow 1:
Average throughput: 26.83 Mbit/s
95th percentile per-packet one-way delay: 122.295 ms
Loss rate: 9.07%

Run 9: Report of Verus — Data Link

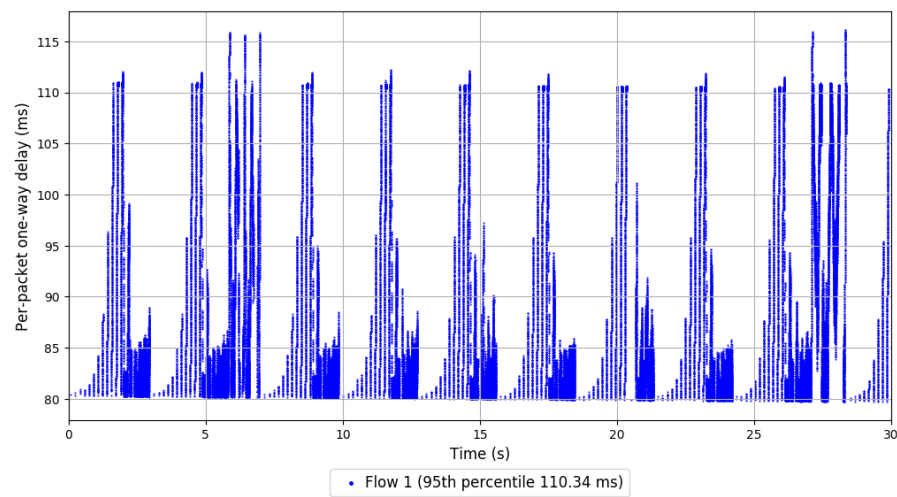
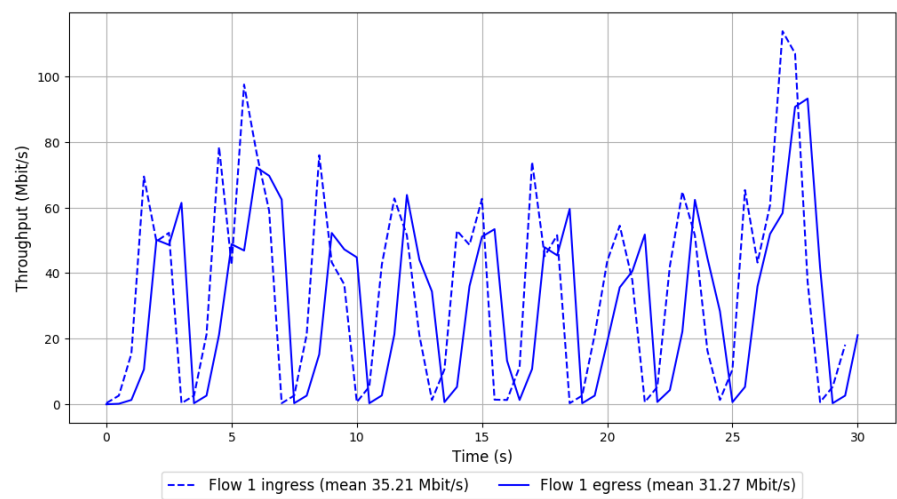


Run 10: Statistics of Verus

Start at: 2018-07-24 09:59:08
End at: 2018-07-24 09:59:38
Local clock offset: -2.166 ms
Remote clock offset: 18.977 ms

Below is generated by plot.py at 2018-07-24 10:19:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 31.27 Mbit/s
95th percentile per-packet one-way delay: 110.345 ms
Loss rate: 11.10%
-- Flow 1:
Average throughput: 31.27 Mbit/s
95th percentile per-packet one-way delay: 110.345 ms
Loss rate: 11.10%

Run 10: Report of Verus — Data Link

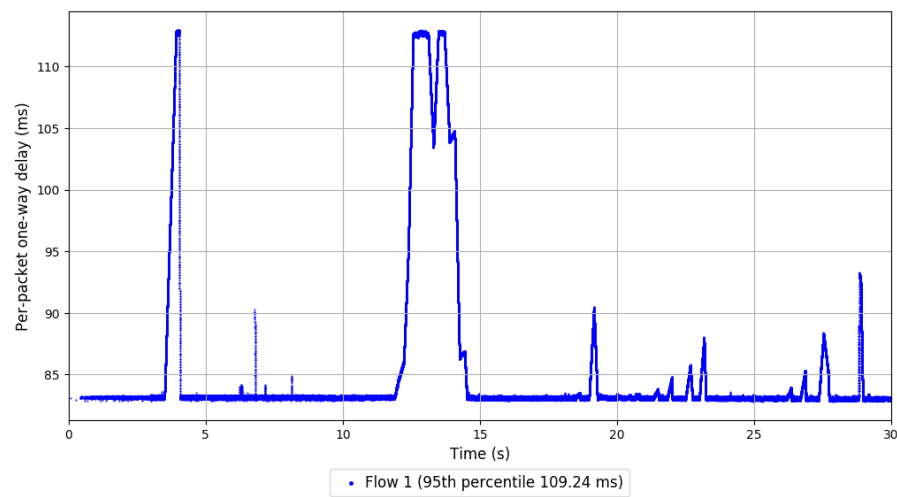
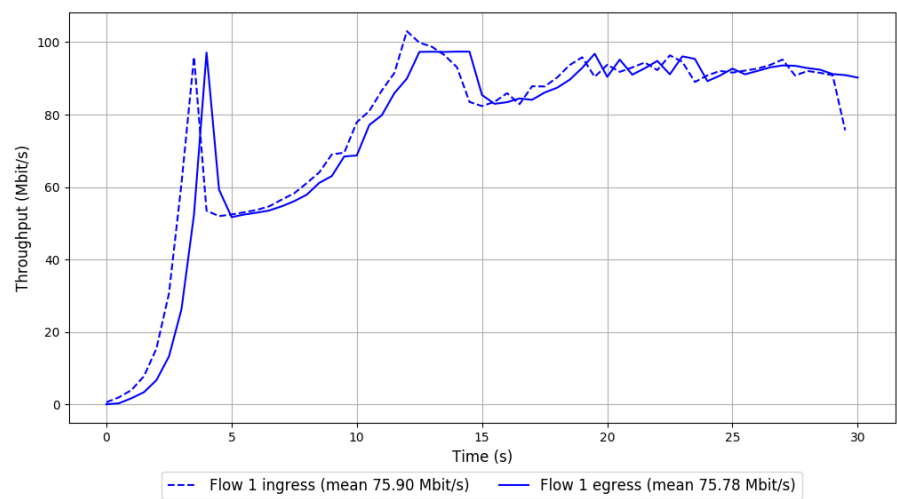


Run 1: Statistics of PCC-Vivace

Start at: 2018-07-24 06:52:01
End at: 2018-07-24 06:52:31
Local clock offset: -16.219 ms
Remote clock offset: 13.007 ms

Below is generated by plot.py at 2018-07-24 10:20:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.78 Mbit/s
95th percentile per-packet one-way delay: 109.240 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 75.78 Mbit/s
95th percentile per-packet one-way delay: 109.240 ms
Loss rate: 0.16%

Run 1: Report of PCC-Vivace — Data Link

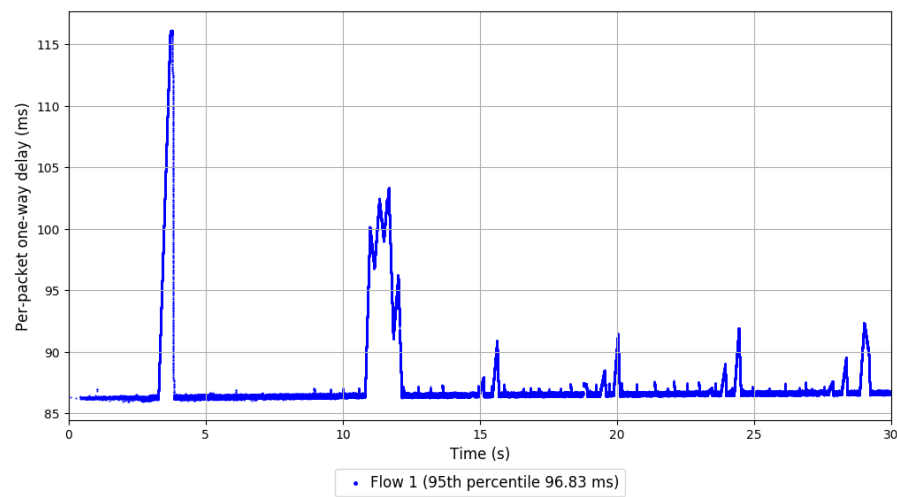
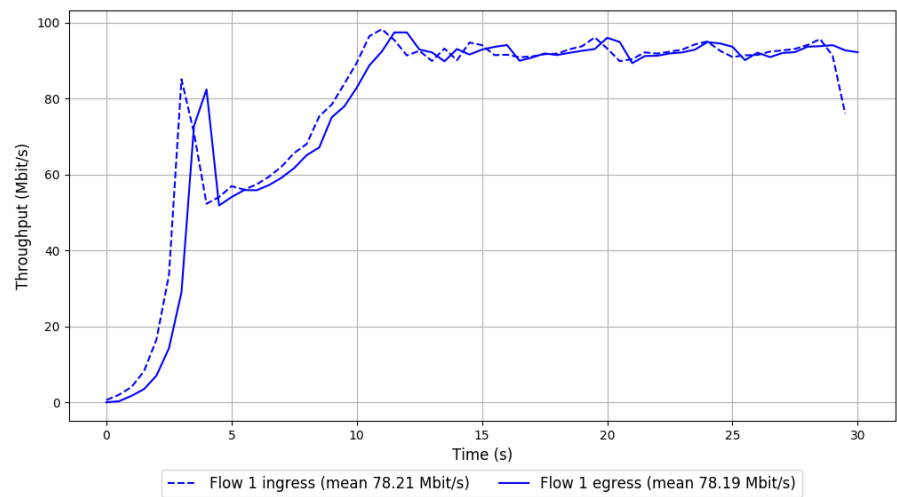


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-24 07:11:57
End at: 2018-07-24 07:12:27
Local clock offset: -10.367 ms
Remote clock offset: 10.97 ms

Below is generated by plot.py at 2018-07-24 10:20:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.19 Mbit/s
95th percentile per-packet one-way delay: 96.833 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 78.19 Mbit/s
95th percentile per-packet one-way delay: 96.833 ms
Loss rate: 0.04%

Run 2: Report of PCC-Vivace — Data Link

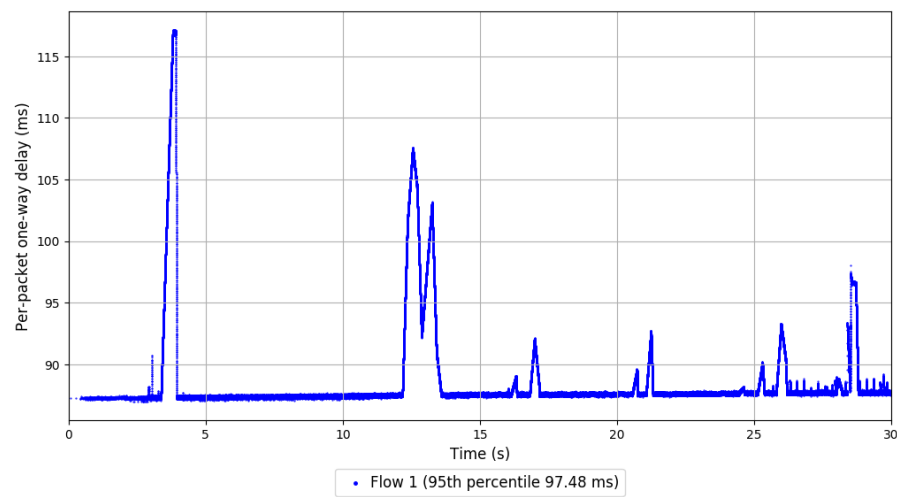
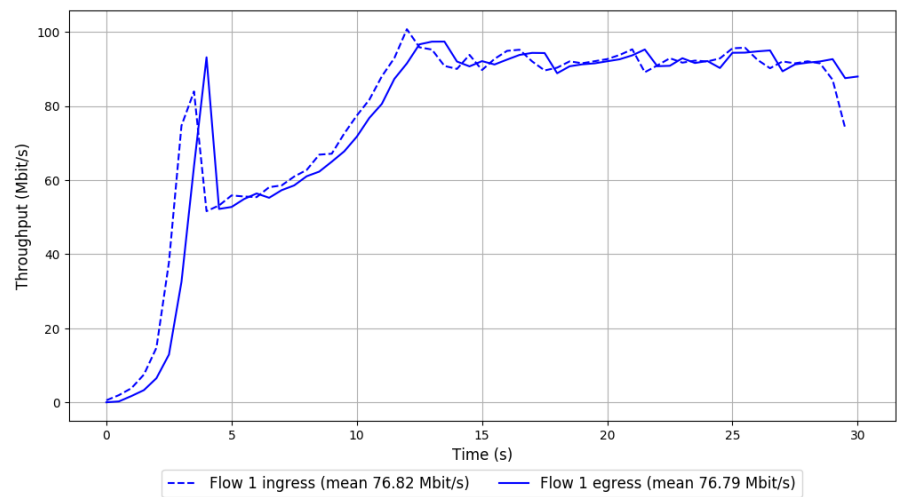


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-24 07:31:52
End at: 2018-07-24 07:32:22
Local clock offset: -11.181 ms
Remote clock offset: 1.941 ms

Below is generated by plot.py at 2018-07-24 10:20:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.79 Mbit/s
95th percentile per-packet one-way delay: 97.484 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 76.79 Mbit/s
95th percentile per-packet one-way delay: 97.484 ms
Loss rate: 0.06%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-24 07:51:47

End at: 2018-07-24 07:52:17

Local clock offset: -6.994 ms

Remote clock offset: 3.612 ms

Below is generated by plot.py at 2018-07-24 10:20:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.77 Mbit/s

95th percentile per-packet one-way delay: 94.549 ms

Loss rate: 0.03%

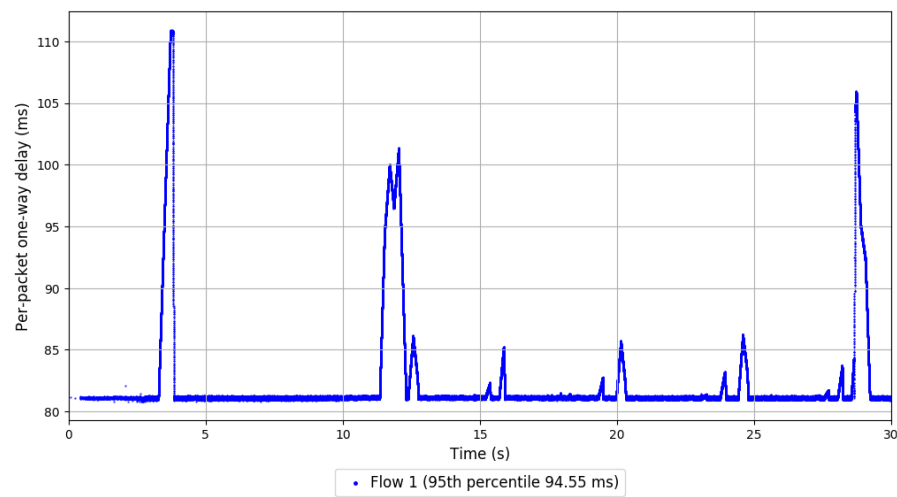
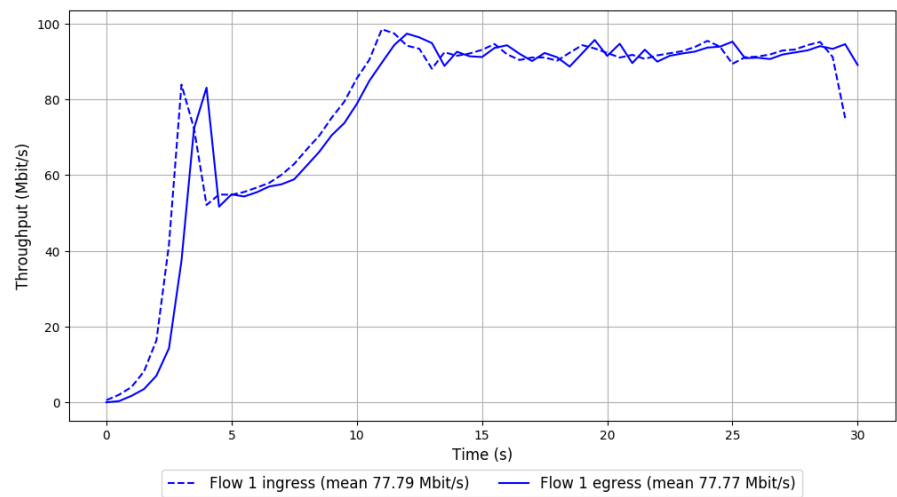
-- Flow 1:

Average throughput: 77.77 Mbit/s

95th percentile per-packet one-way delay: 94.549 ms

Loss rate: 0.03%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-24 08:11:39

End at: 2018-07-24 08:12:10

Local clock offset: -5.375 ms

Remote clock offset: 4.848 ms

Below is generated by plot.py at 2018-07-24 10:20:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.52 Mbit/s

95th percentile per-packet one-way delay: 103.011 ms

Loss rate: 0.13%

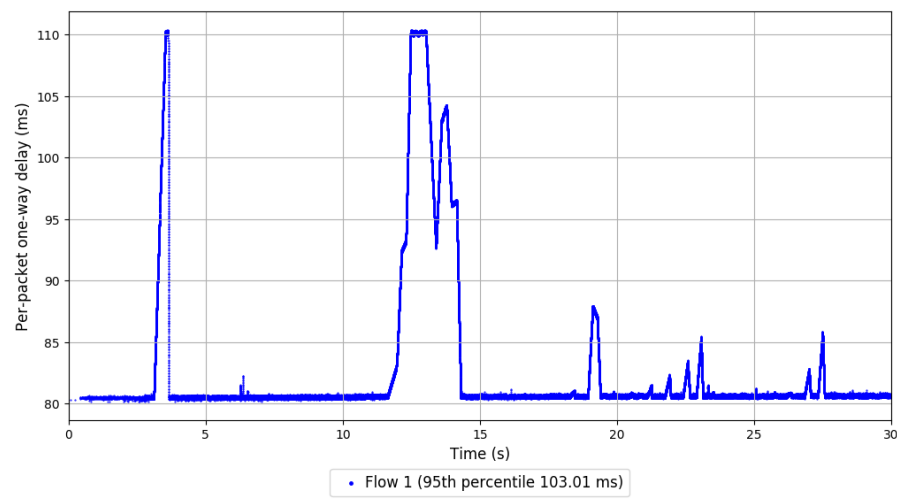
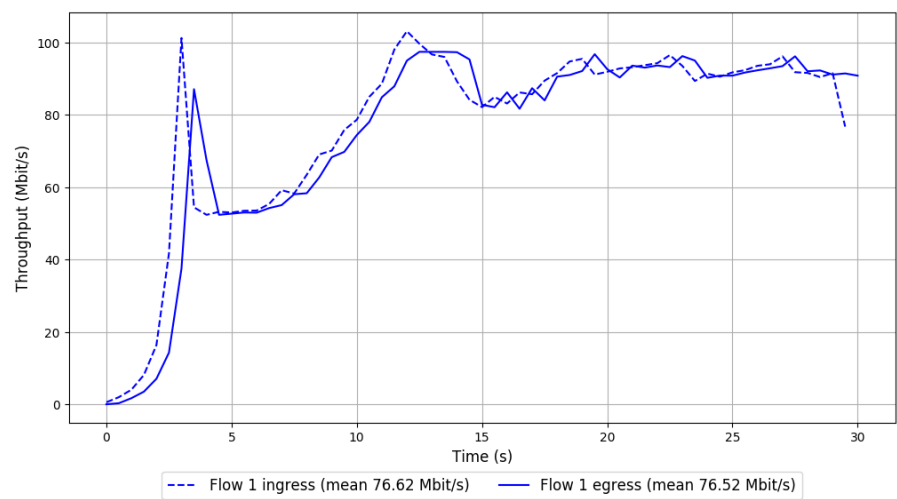
-- Flow 1:

Average throughput: 76.52 Mbit/s

95th percentile per-packet one-way delay: 103.011 ms

Loss rate: 0.13%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-07-24 08:31:35

End at: 2018-07-24 08:32:05

Local clock offset: -5.761 ms

Remote clock offset: 6.343 ms

Below is generated by plot.py at 2018-07-24 10:20:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.74 Mbit/s

95th percentile per-packet one-way delay: 95.374 ms

Loss rate: 0.03%

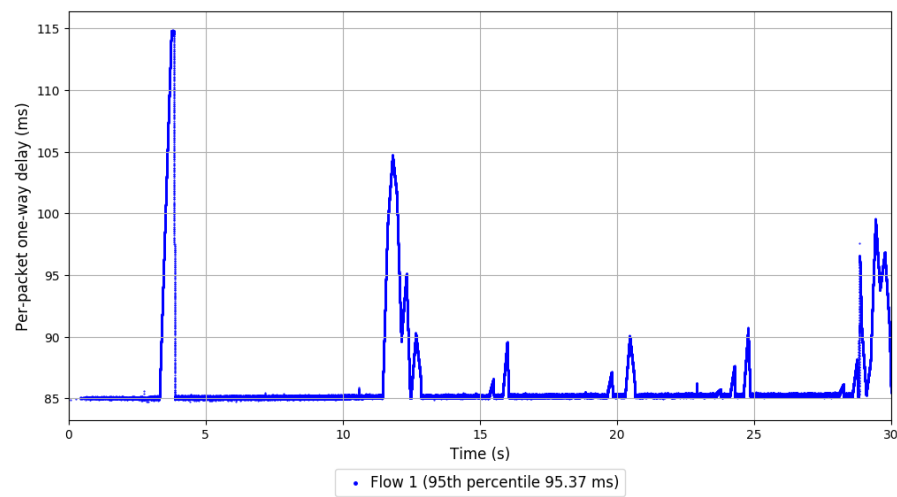
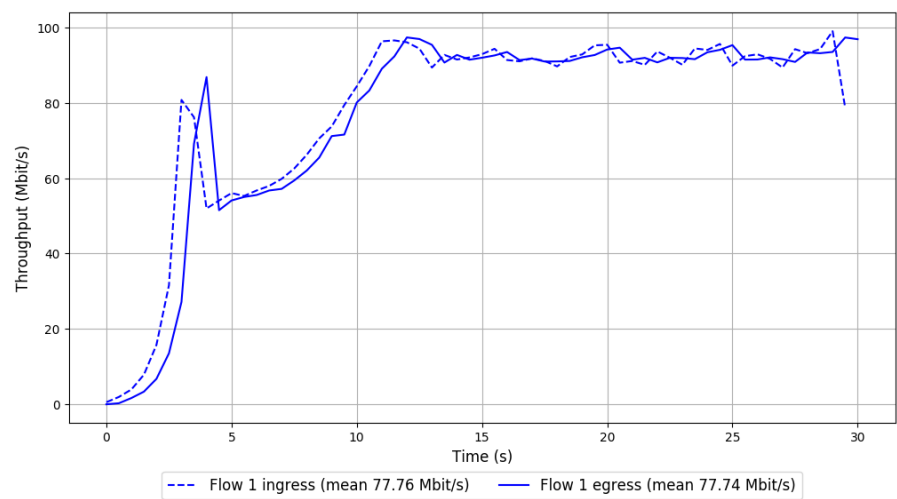
-- Flow 1:

Average throughput: 77.74 Mbit/s

95th percentile per-packet one-way delay: 95.374 ms

Loss rate: 0.03%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-24 08:51:27

End at: 2018-07-24 08:51:57

Local clock offset: -3.581 ms

Remote clock offset: 2.902 ms

Below is generated by plot.py at 2018-07-24 10:20:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.35 Mbit/s

95th percentile per-packet one-way delay: 93.229 ms

Loss rate: 0.04%

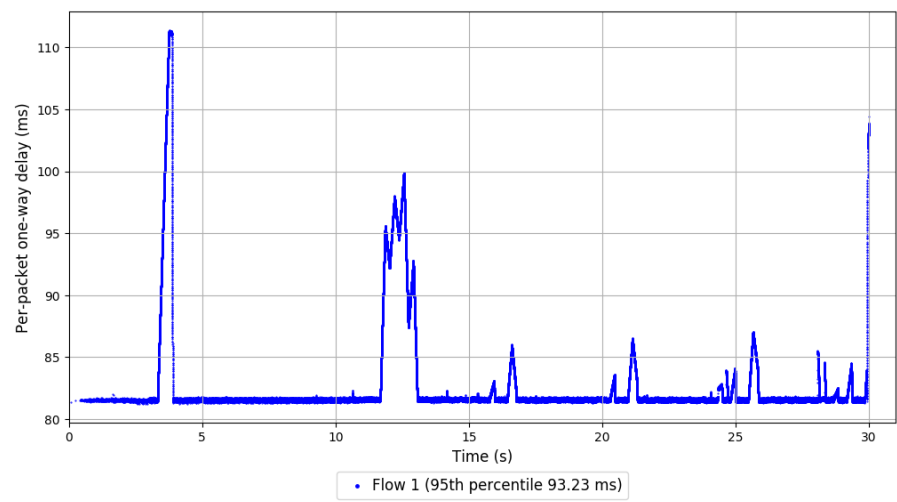
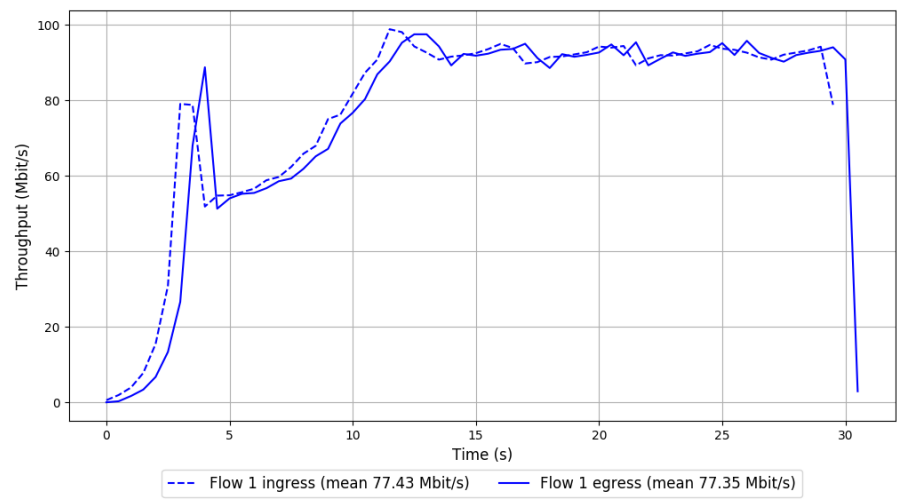
-- Flow 1:

Average throughput: 77.35 Mbit/s

95th percentile per-packet one-way delay: 93.229 ms

Loss rate: 0.04%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-24 09:11:15

End at: 2018-07-24 09:11:45

Local clock offset: -6.544 ms

Remote clock offset: 9.255 ms

Below is generated by plot.py at 2018-07-24 10:20:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.41 Mbit/s

95th percentile per-packet one-way delay: 116.265 ms

Loss rate: 0.13%

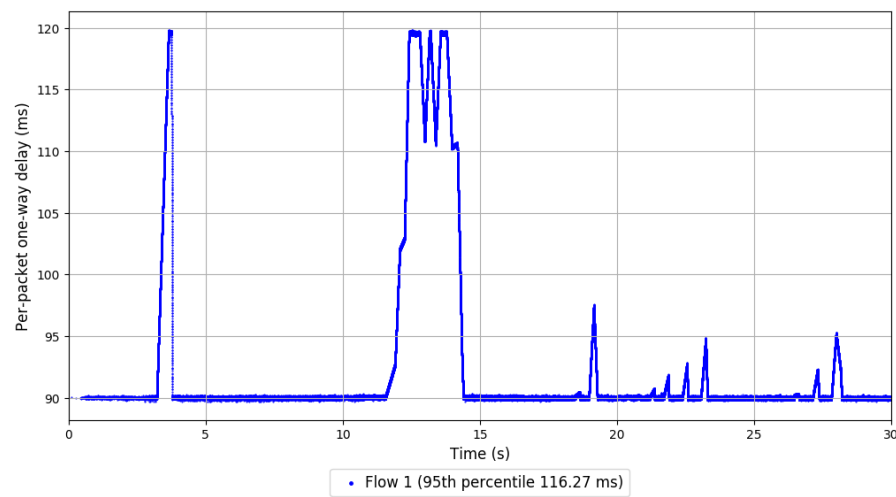
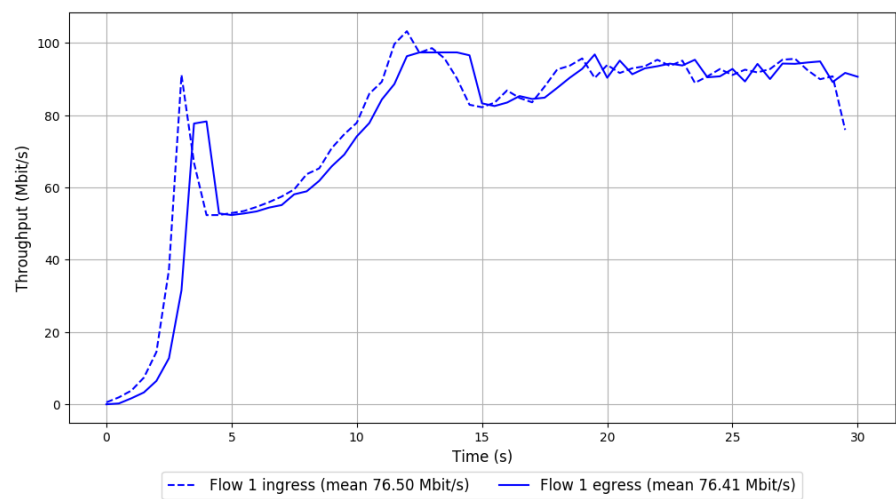
-- Flow 1:

Average throughput: 76.41 Mbit/s

95th percentile per-packet one-way delay: 116.265 ms

Loss rate: 0.13%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-24 09:31:07

End at: 2018-07-24 09:31:37

Local clock offset: -9.064 ms

Remote clock offset: 7.321 ms

Below is generated by plot.py at 2018-07-24 10:20:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.50 Mbit/s

95th percentile per-packet one-way delay: 89.319 ms

Loss rate: 0.03%

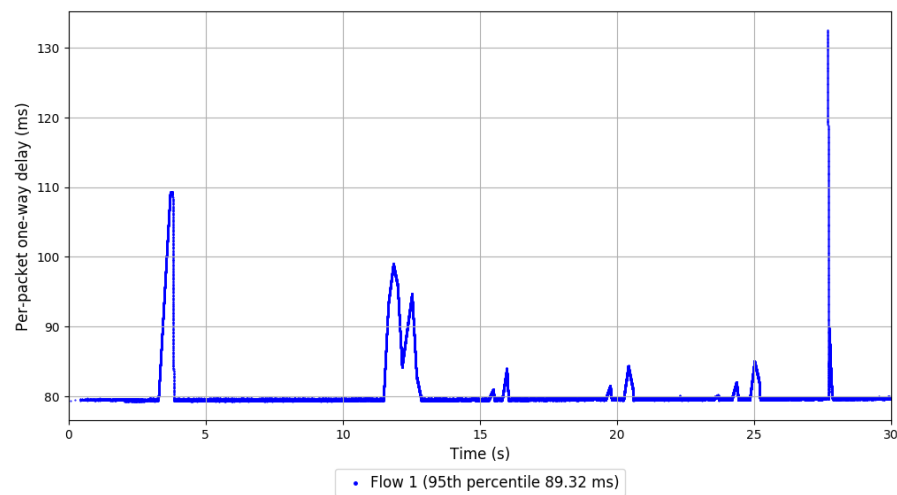
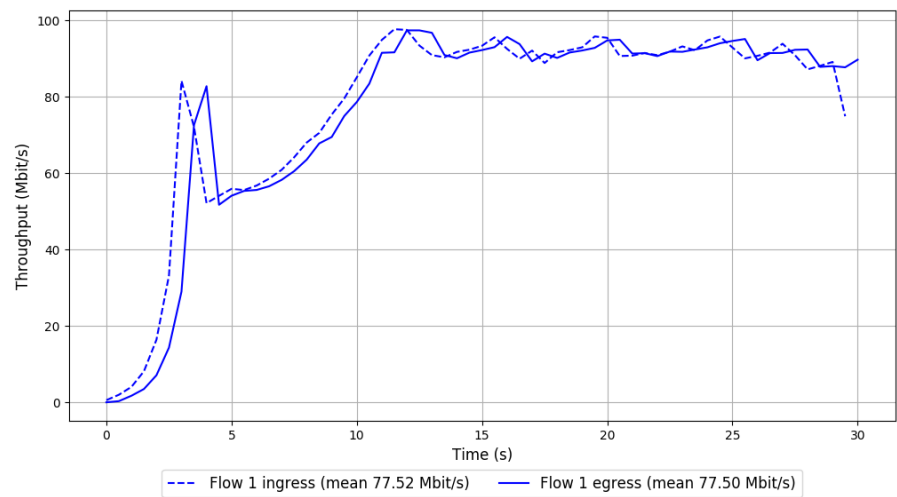
-- Flow 1:

Average throughput: 77.50 Mbit/s

95th percentile per-packet one-way delay: 89.319 ms

Loss rate: 0.03%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-24 09:50:56

End at: 2018-07-24 09:51:26

Local clock offset: -2.711 ms

Remote clock offset: 9.041 ms

Below is generated by plot.py at 2018-07-24 10:20:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.13 Mbit/s

95th percentile per-packet one-way delay: 109.697 ms

Loss rate: 0.13%

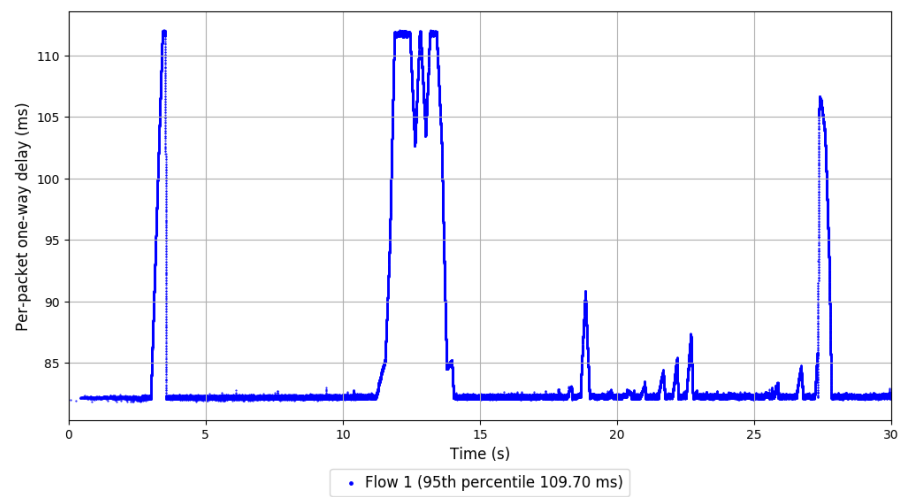
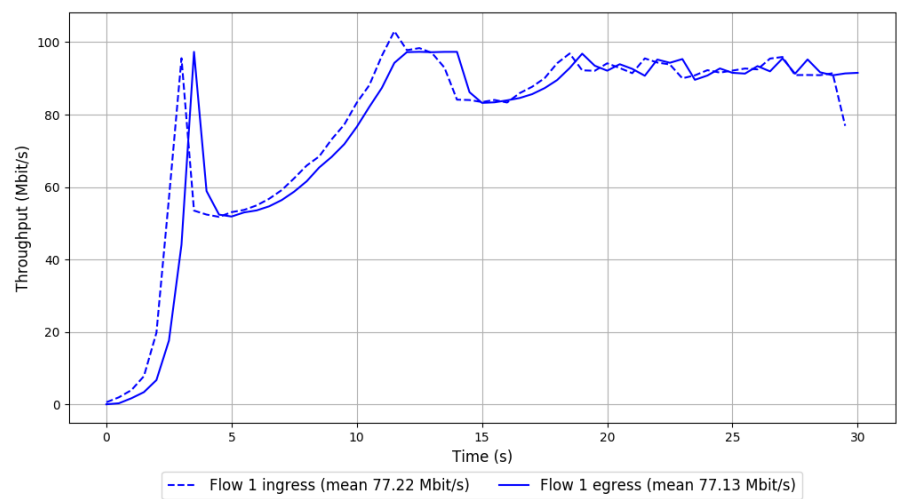
-- Flow 1:

Average throughput: 77.13 Mbit/s

95th percentile per-packet one-way delay: 109.697 ms

Loss rate: 0.13%

Run 10: Report of PCC-Vivace — Data Link

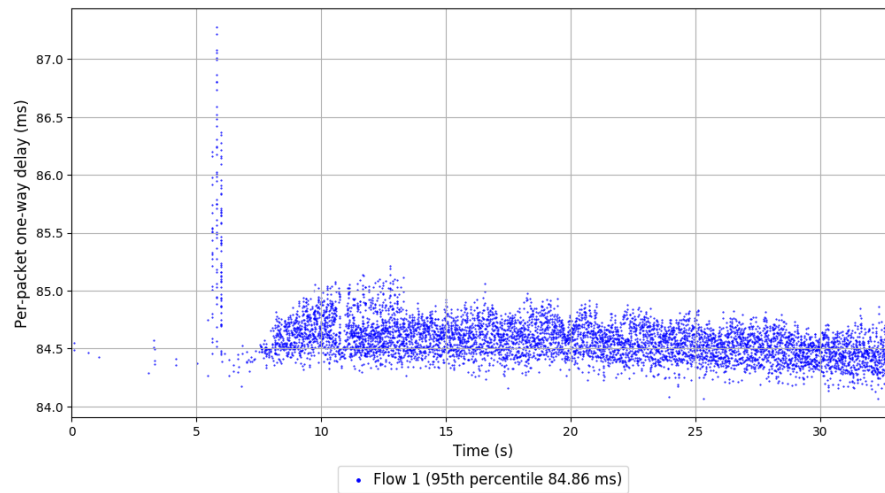
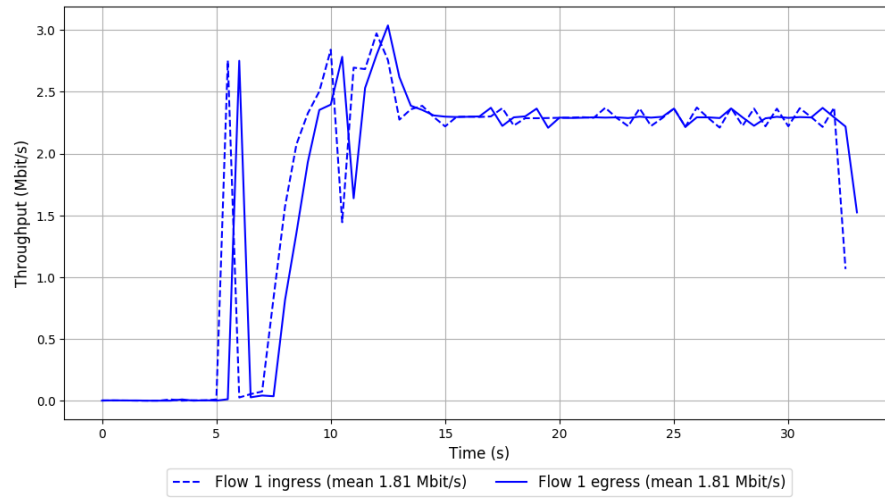


Run 1: Statistics of WebRTC media

Start at: 2018-07-24 06:56:42
End at: 2018-07-24 06:57:12
Local clock offset: -17.543 ms
Remote clock offset: 17.739 ms

Below is generated by plot.py at 2018-07-24 10:20:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 84.860 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 84.860 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-07-24 07:16:38

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

Local clock offset: -9.341 ms

Remote clock offset: 4.283 ms

Below is generated by plot.py at 2018-07-24 10:20:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.20 Mbit/s

95th percentile per-packet one-way delay: 79.885 ms

Loss rate: 0.04%

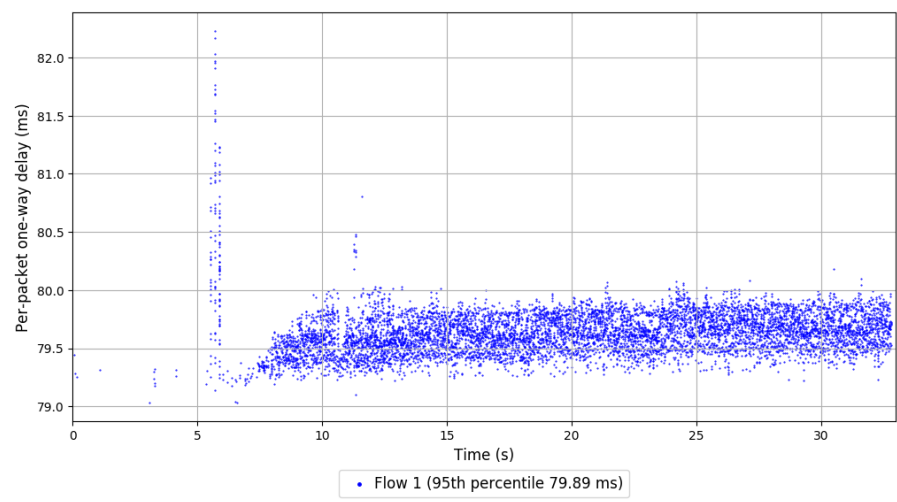
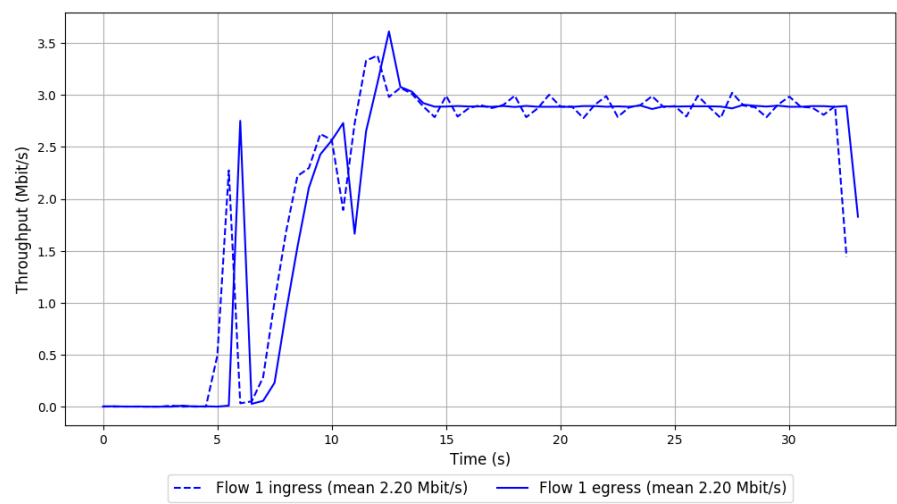
-- Flow 1:

Average throughput: 2.20 Mbit/s

95th percentile per-packet one-way delay: 79.885 ms

Loss rate: 0.04%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-07-24 07:36:35

End at: 2018-07-24 07:37:05

Local clock offset: -8.37 ms

Remote clock offset: 6.512 ms

Below is generated by plot.py at 2018-07-24 10:20:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.79 Mbit/s

95th percentile per-packet one-way delay: 92.519 ms

Loss rate: 0.02%

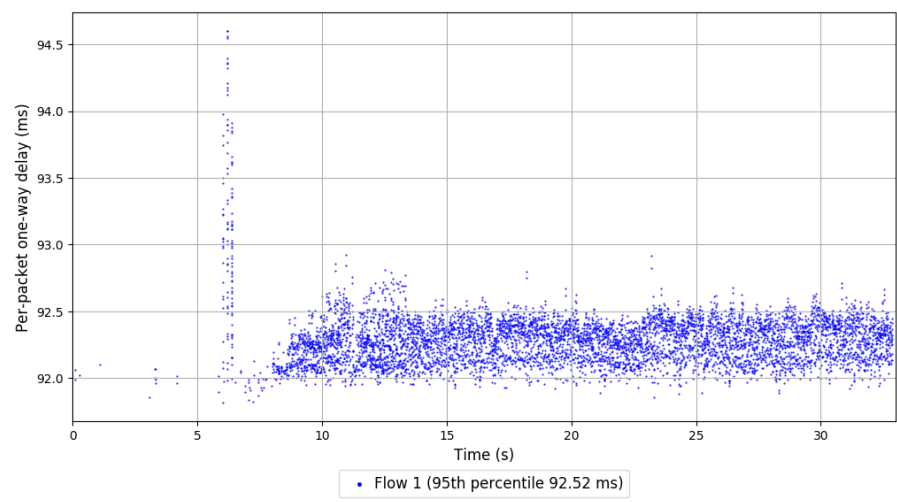
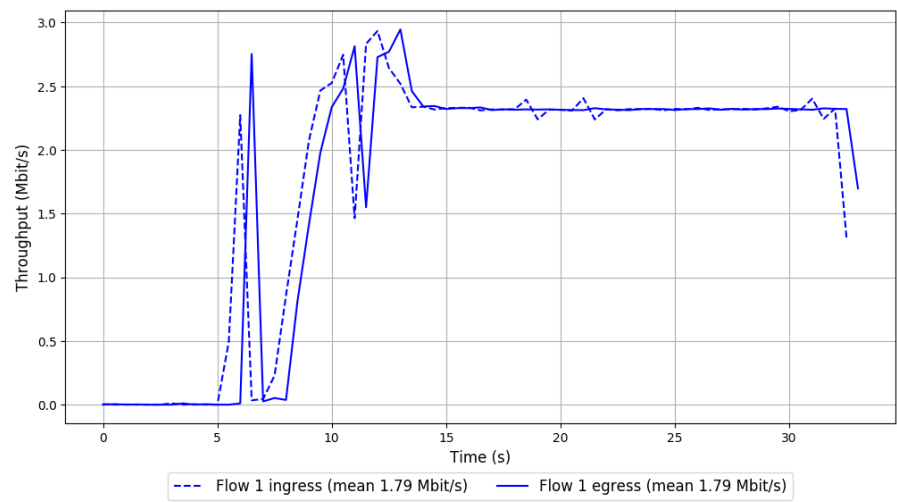
-- Flow 1:

Average throughput: 1.79 Mbit/s

95th percentile per-packet one-way delay: 92.519 ms

Loss rate: 0.02%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-07-24 07:56:29

End at: 2018-07-24 07:56:59

Local clock offset: -7.422 ms

Remote clock offset: 4.755 ms

Below is generated by plot.py at 2018-07-24 10:20:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.90 Mbit/s

95th percentile per-packet one-way delay: 81.634 ms

Loss rate: 0.05%

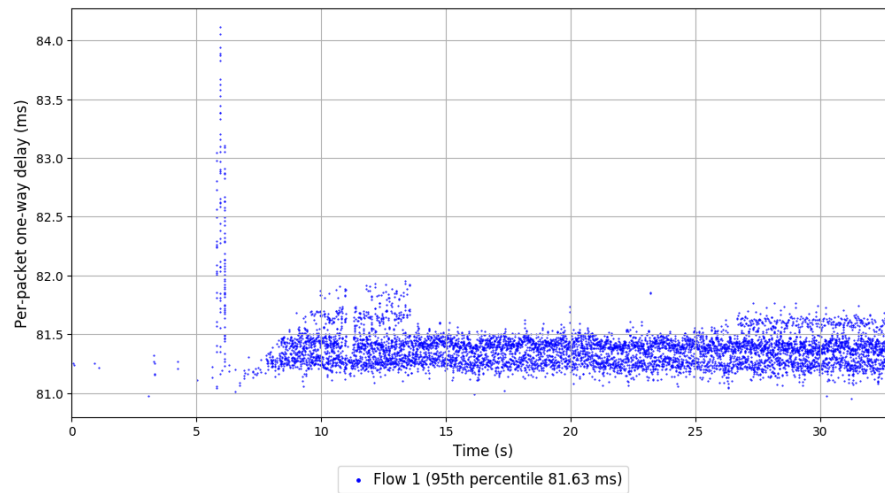
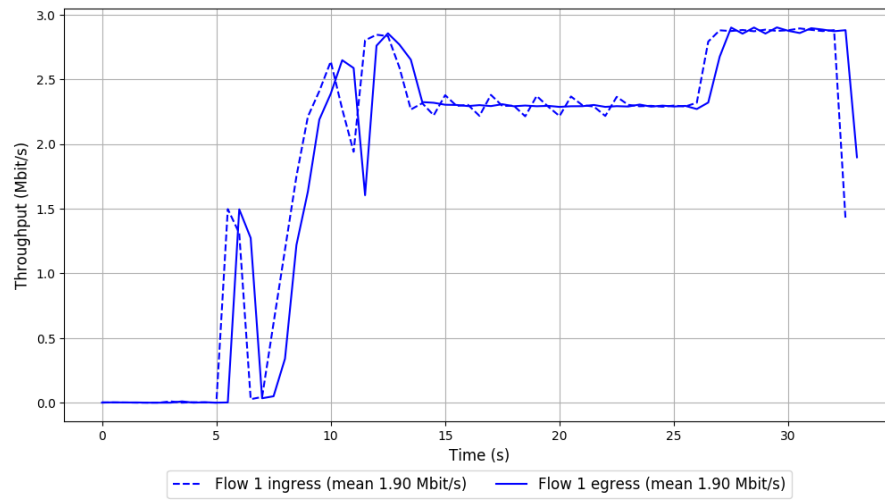
-- Flow 1:

Average throughput: 1.90 Mbit/s

95th percentile per-packet one-way delay: 81.634 ms

Loss rate: 0.05%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-24 08:16:21

End at: 2018-07-24 08:16:51

Local clock offset: -5.2 ms

Remote clock offset: 8.257 ms

Below is generated by plot.py at 2018-07-24 10:20:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.82 Mbit/s

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

Loss rate: 0.00%

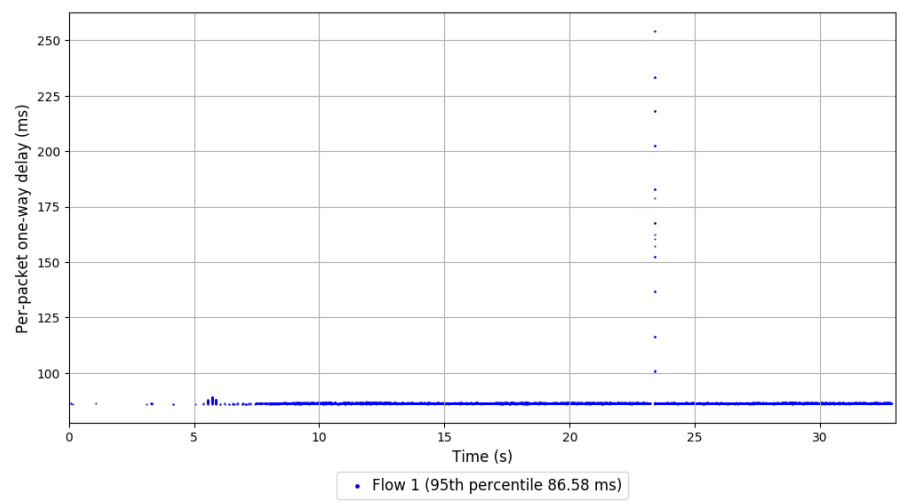
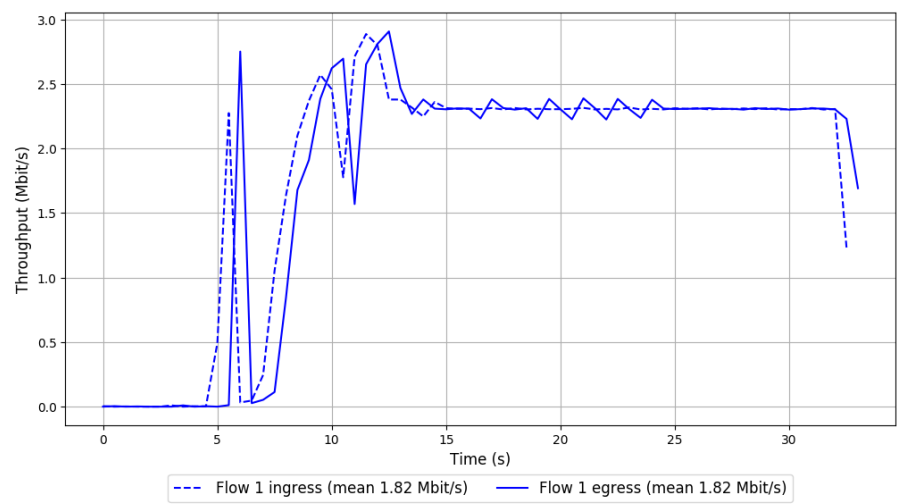
-- Flow 1:

Average throughput: 1.82 Mbit/s

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

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-07-24 08:36:16

End at: 2018-07-24 08:36:46

Local clock offset: -4.577 ms

Remote clock offset: 7.279 ms

Below is generated by plot.py at 2018-07-24 10:20:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.85 Mbit/s

95th percentile per-packet one-way delay: 84.828 ms

Loss rate: 0.03%

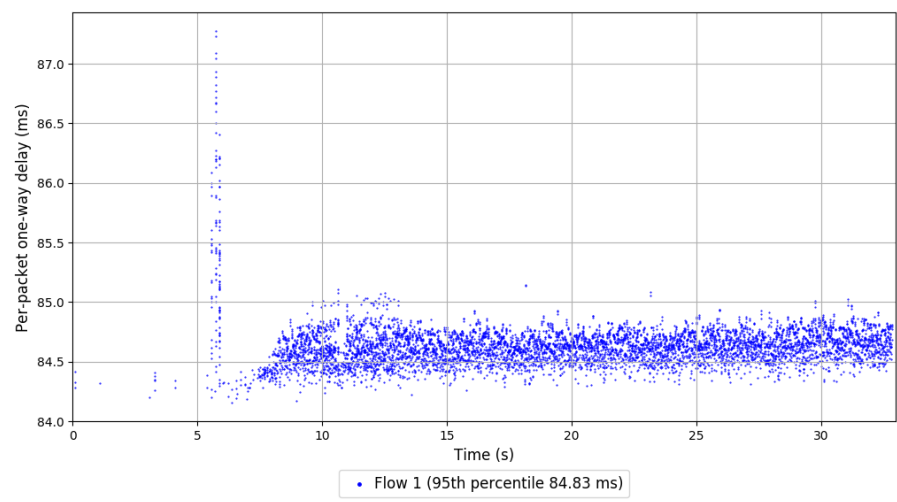
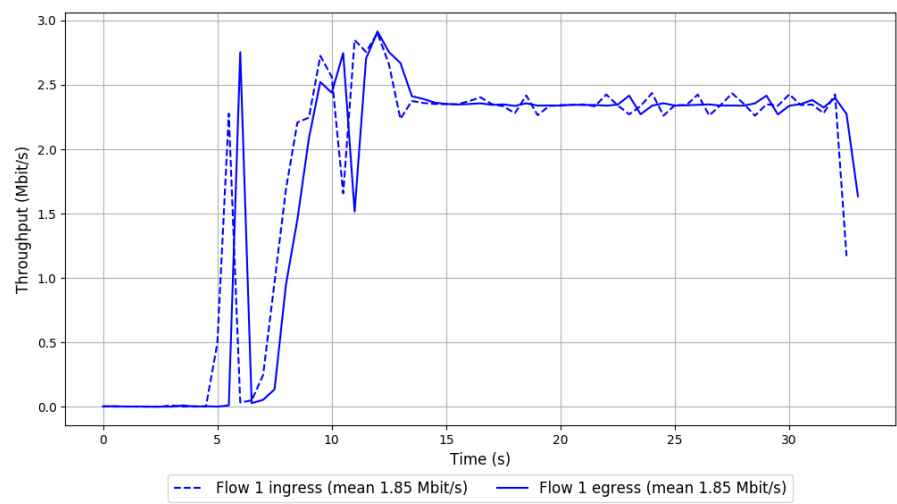
-- Flow 1:

Average throughput: 1.85 Mbit/s

95th percentile per-packet one-way delay: 84.828 ms

Loss rate: 0.03%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-07-24 08:56:07

End at: 2018-07-24 08:56:37

Local clock offset: -3.639 ms

Remote clock offset: 8.55 ms

Below is generated by plot.py at 2018-07-24 10:20:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.79 Mbit/s

95th percentile per-packet one-way delay: 86.912 ms

Loss rate: 0.00%

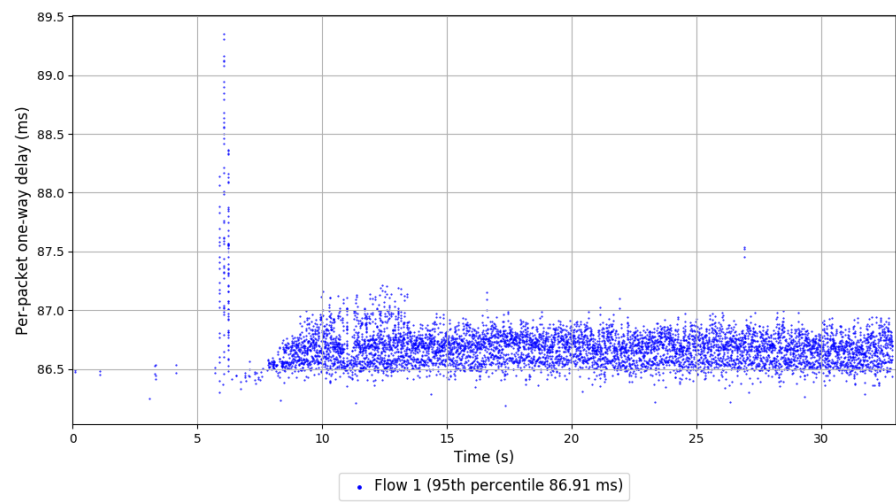
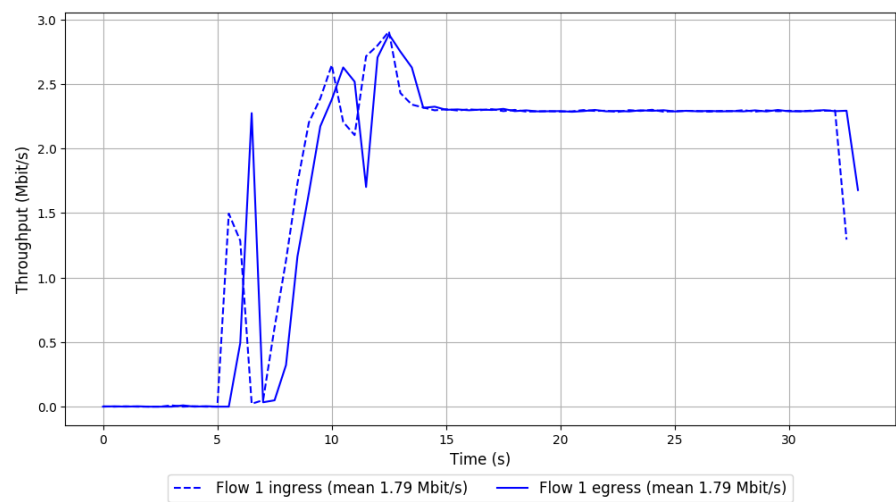
-- Flow 1:

Average throughput: 1.79 Mbit/s

95th percentile per-packet one-way delay: 86.912 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-07-24 09:15:55

End at: 2018-07-24 09:16:25

Local clock offset: -7.404 ms

Remote clock offset: 9.154 ms

Below is generated by plot.py at 2018-07-24 10:20:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.82 Mbit/s

95th percentile per-packet one-way delay: 92.177 ms

Loss rate: 0.00%

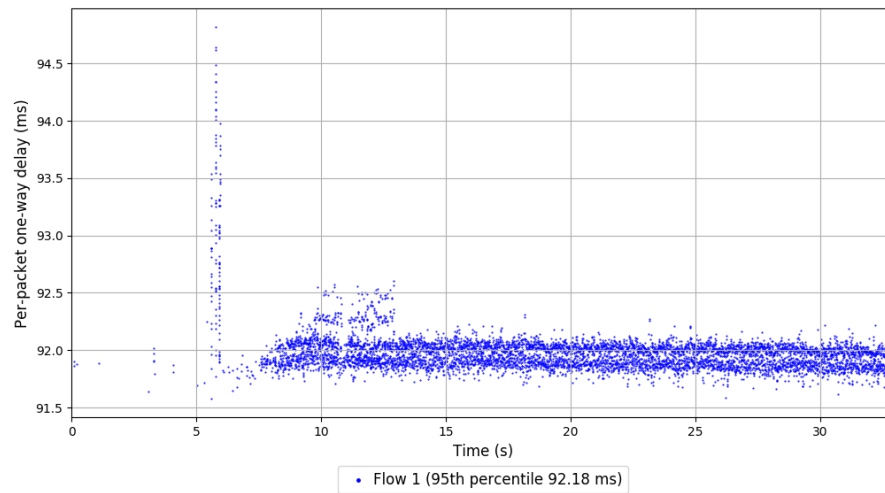
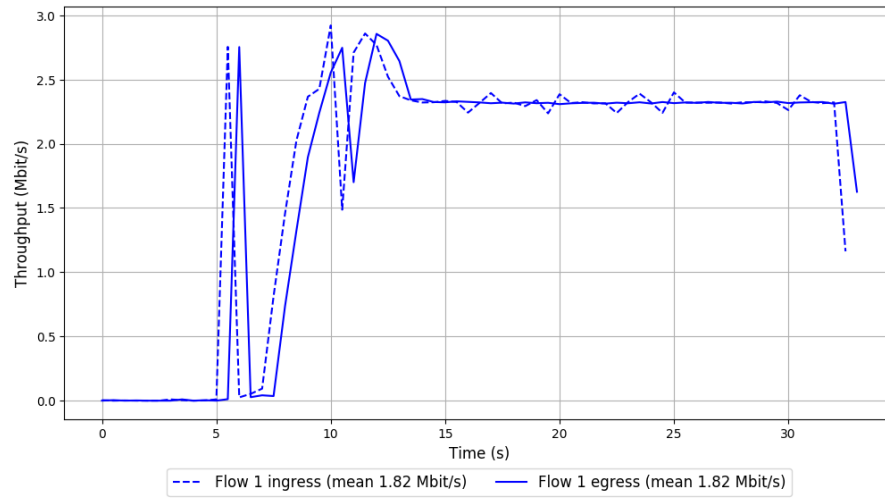
-- Flow 1:

Average throughput: 1.82 Mbit/s

95th percentile per-packet one-way delay: 92.177 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-07-24 09:35:49

End at: 2018-07-24 09:36:19

Local clock offset: -6.545 ms

Remote clock offset: 8.789 ms

Below is generated by plot.py at 2018-07-24 10:20:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.81 Mbit/s

95th percentile per-packet one-way delay: 83.224 ms

Loss rate: 0.00%

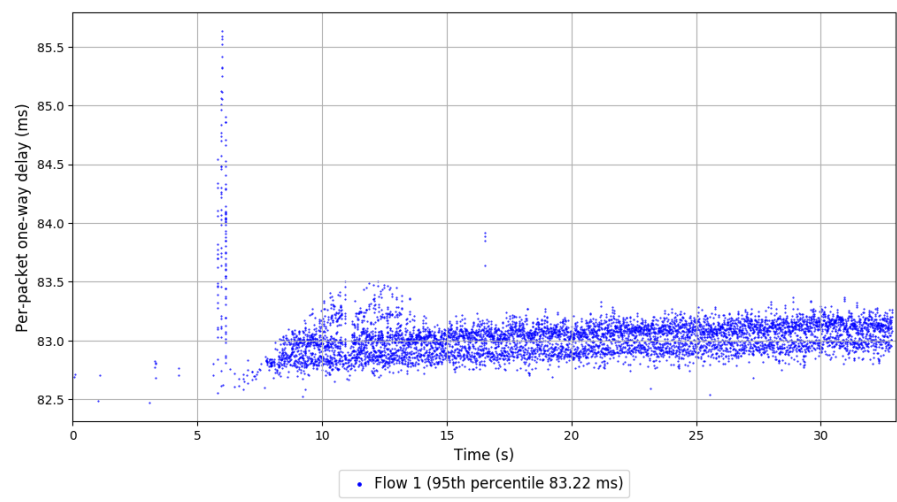
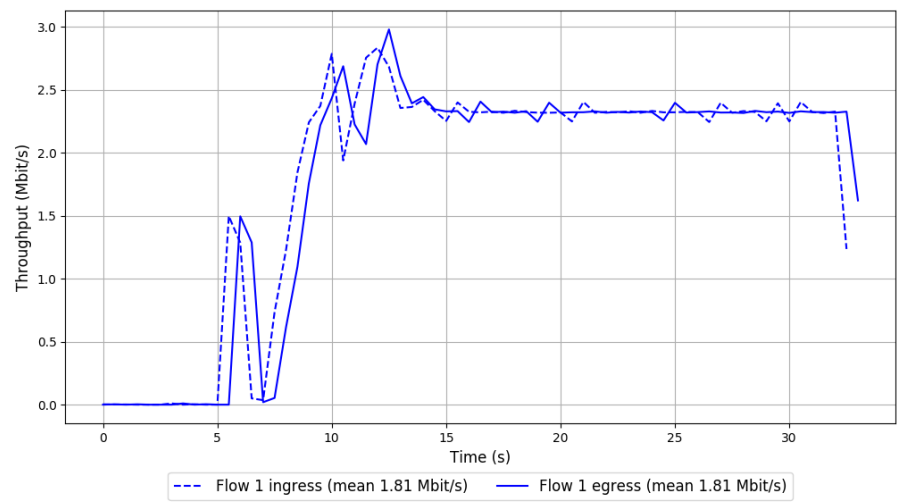
-- Flow 1:

Average throughput: 1.81 Mbit/s

95th percentile per-packet one-way delay: 83.224 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-24 09:55:37
End at: 2018-07-24 09:56:07
Local clock offset: -2.309 ms
Remote clock offset: 18.948 ms

Below is generated by plot.py at 2018-07-24 10:20:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.75 Mbit/s
95th percentile per-packet one-way delay: 85.423 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.75 Mbit/s
95th percentile per-packet one-way delay: 85.423 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

