

Pantheon Report

Generated at 2018-07-09 23:35:32 (UTC).

Data path: AWS Brazil 1 Ethernet (*local*) → Brazil Ethernet (*remote*).

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

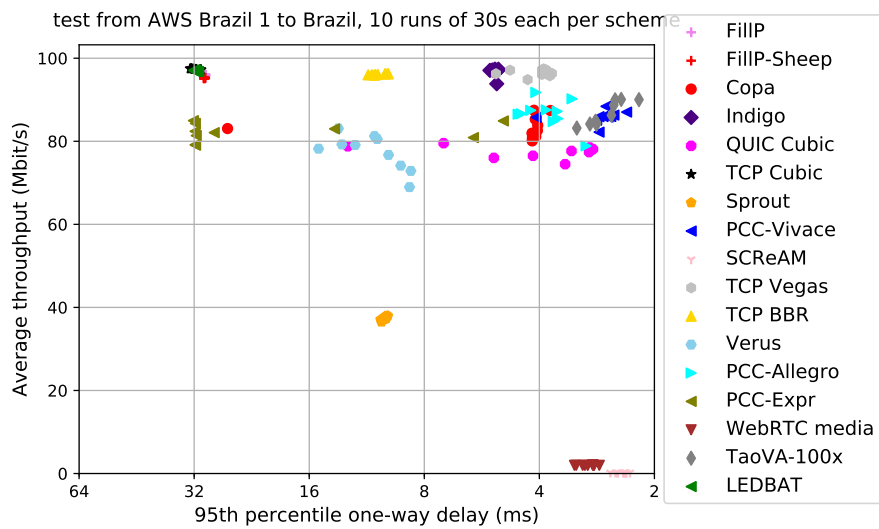
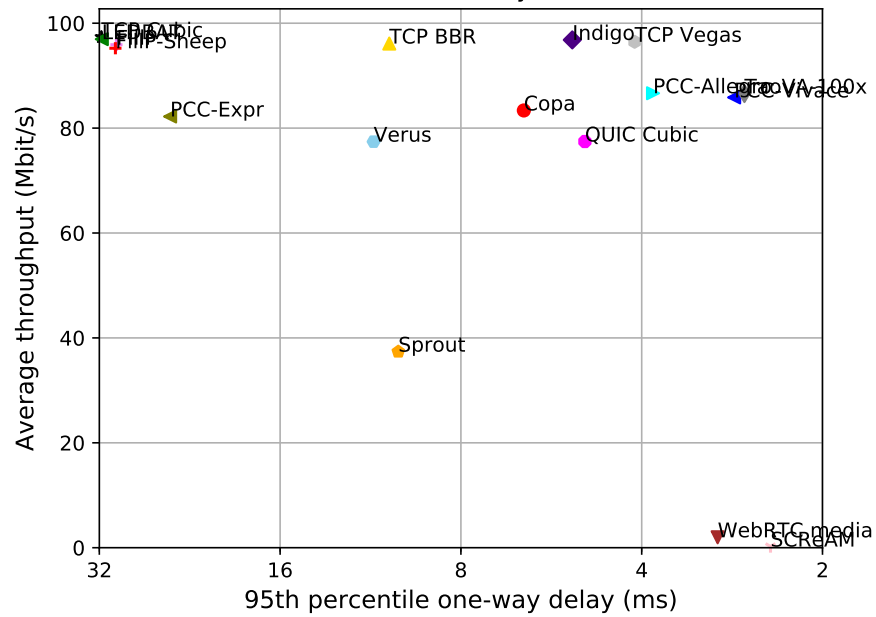
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

Git summary:

```
branch: master @ 9250dbeec7fb57193cdff1ba8c440b4e16ab30f0
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 37162fe9af85249aeccac061c93e75640ef710b5
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdfe58e562f4
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-quick @ 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 1 to Brazil, 10 runs of 30s each per scheme
(mean of all runs by scheme)



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	96.12	10.53	0.00
Copa	10	83.36	6.28	0.00
TCP Cubic	10	97.35	31.75	0.01
FillP	10	95.90	29.97	4.29
FillP-Sheep	10	95.23	30.09	3.84
Indigo	10	96.82	5.22	0.00
LEDBAT	10	96.96	31.70	0.01
PCC-Allegro	10	86.65	3.83	0.00
PCC-Expr	10	82.22	24.40	0.55
QUIC Cubic	9	77.44	4.97	0.24
SCReAM	10	0.22	2.44	0.00
Sprout	10	37.38	10.17	0.00
TaoVA-100x	10	86.58	2.70	0.00
TCP Vegas	10	96.45	4.11	0.00
Verus	10	77.41	11.18	0.89
PCC-Vivace	10	85.85	2.81	0.03
WebRTC media	10	1.98	2.99	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-07-09 20:10:42

End at: 2018-07-09 20:11:12

Local clock offset: 3.372 ms

Remote clock offset: -2.179 ms

Below is generated by plot.py at 2018-07-09 23:11:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.28 Mbit/s

95th percentile per-packet one-way delay: 9.941 ms

Loss rate: 0.00%

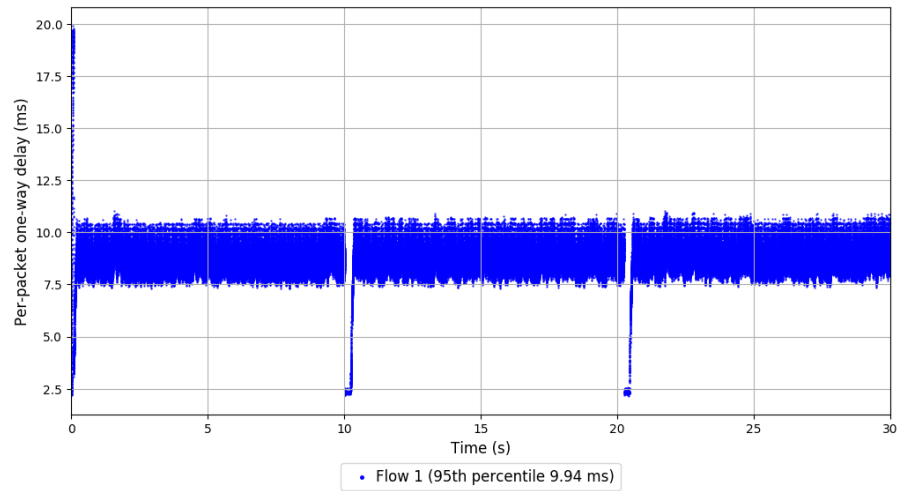
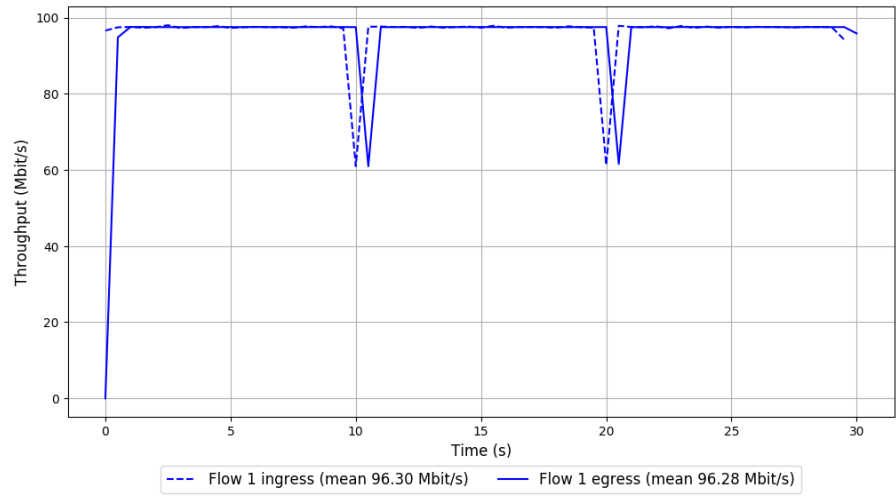
-- Flow 1:

Average throughput: 96.28 Mbit/s

95th percentile per-packet one-way delay: 9.941 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link

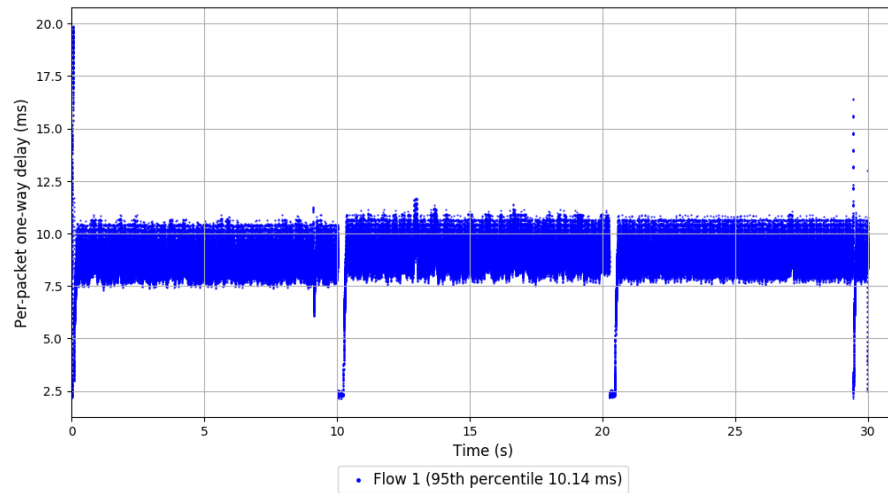
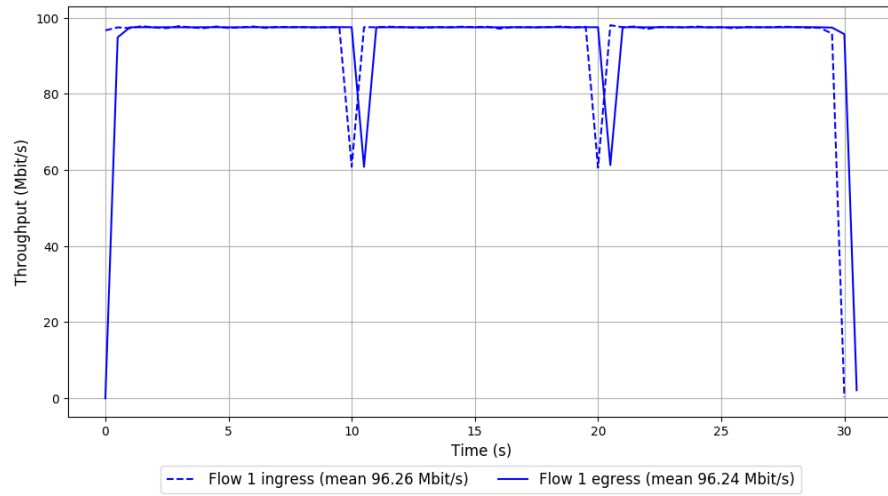


Run 2: Statistics of TCP BBR

Start at: 2018-07-09 20:29:41
End at: 2018-07-09 20:30:11
Local clock offset: 3.665 ms
Remote clock offset: -2.008 ms

Below is generated by plot.py at 2018-07-09 23:11:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 10.136 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 10.136 ms
Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-09 20:48:43

End at: 2018-07-09 20:49:13

Local clock offset: 2.028 ms

Remote clock offset: -1.87 ms

Below is generated by plot.py at 2018-07-09 23:11:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.01 Mbit/s

95th percentile per-packet one-way delay: 10.743 ms

Loss rate: 0.00%

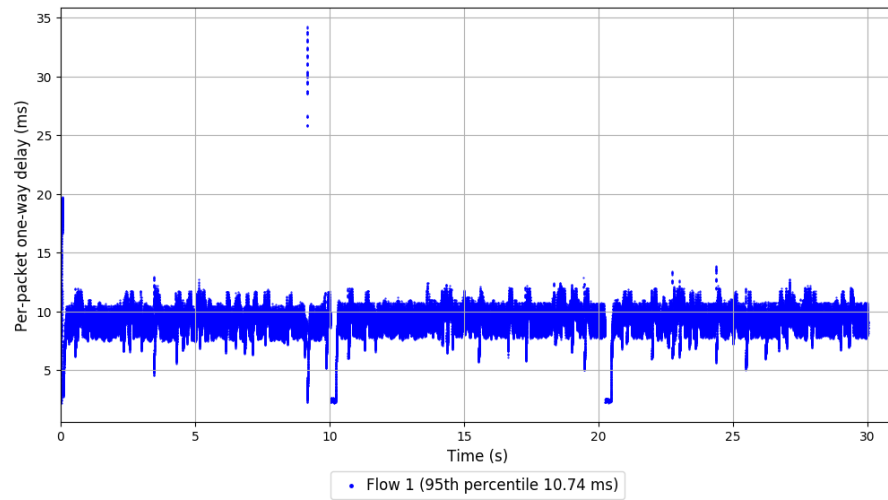
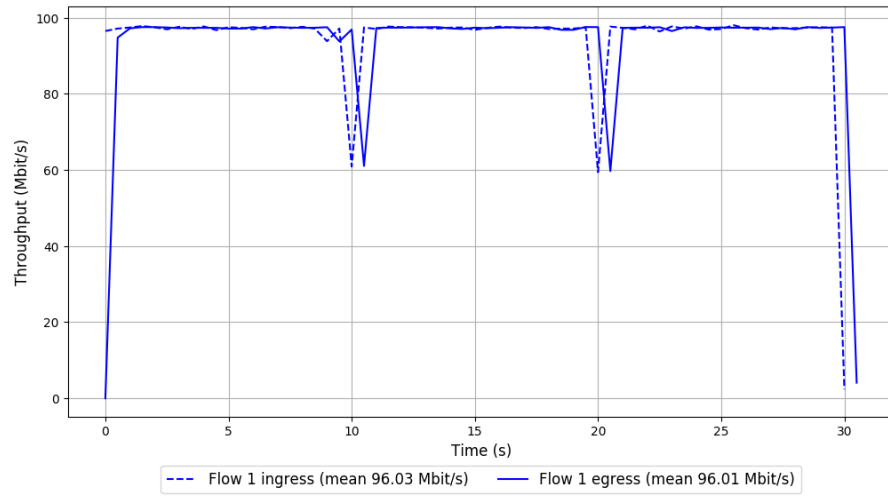
-- Flow 1:

Average throughput: 96.01 Mbit/s

95th percentile per-packet one-way delay: 10.743 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-09 21:07:45

End at: 2018-07-09 21:08:15

Local clock offset: 2.566 ms

Remote clock offset: -1.985 ms

Below is generated by plot.py at 2018-07-09 23:11:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.01 Mbit/s

95th percentile per-packet one-way delay: 11.219 ms

Loss rate: 0.00%

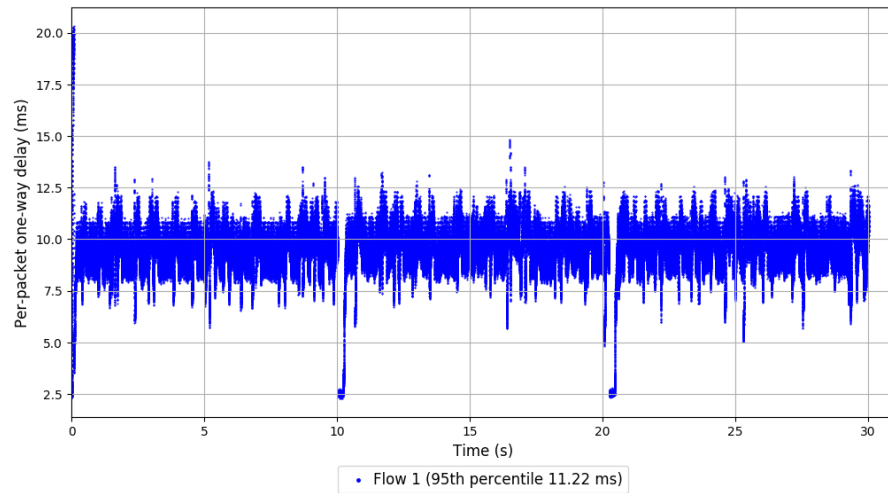
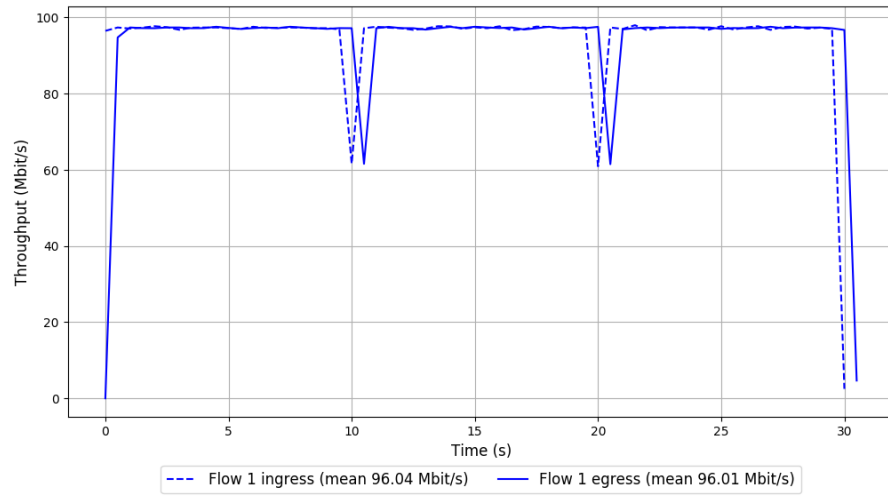
-- Flow 1:

Average throughput: 96.01 Mbit/s

95th percentile per-packet one-way delay: 11.219 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-09 21:26:48

End at: 2018-07-09 21:27:18

Local clock offset: 3.015 ms

Remote clock offset: -2.237 ms

Below is generated by plot.py at 2018-07-09 23:11:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.29 Mbit/s

95th percentile per-packet one-way delay: 10.113 ms

Loss rate: 0.00%

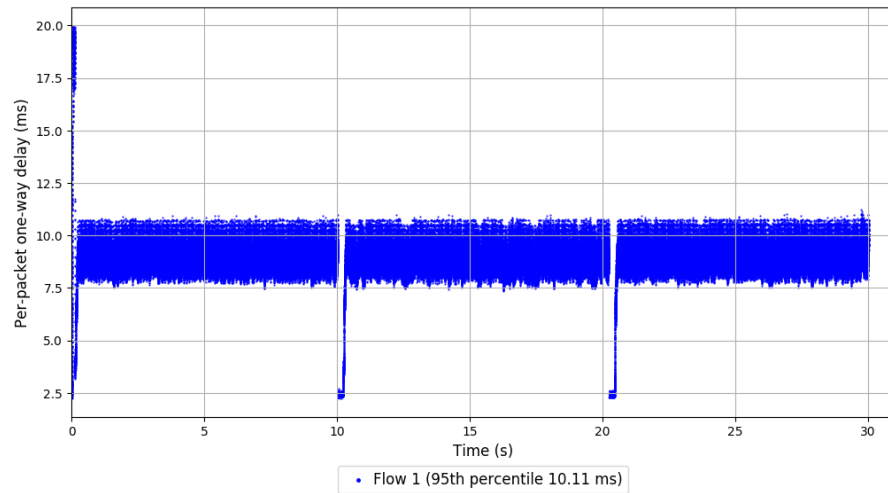
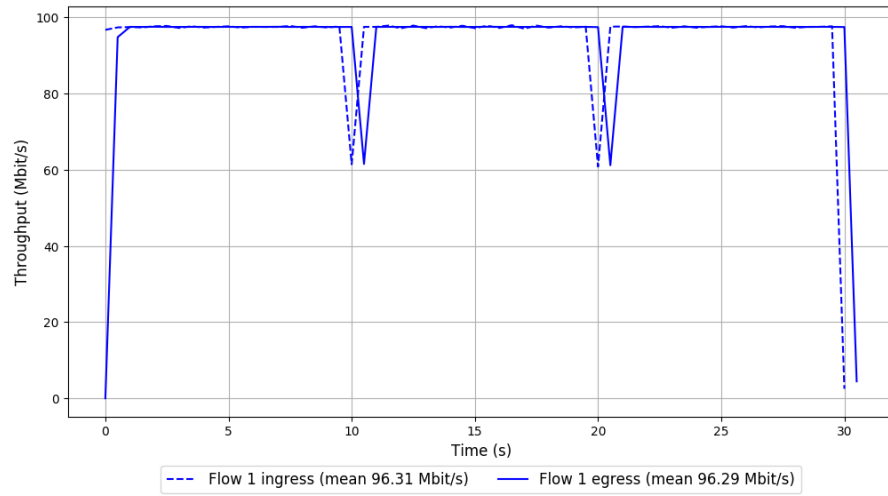
-- Flow 1:

Average throughput: 96.29 Mbit/s

95th percentile per-packet one-way delay: 10.113 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-09 21:45:50

End at: 2018-07-09 21:46:20

Local clock offset: 4.759 ms

Remote clock offset: -2.736 ms

Below is generated by plot.py at 2018-07-09 23:11:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.26 Mbit/s

95th percentile per-packet one-way delay: 9.980 ms

Loss rate: 0.00%

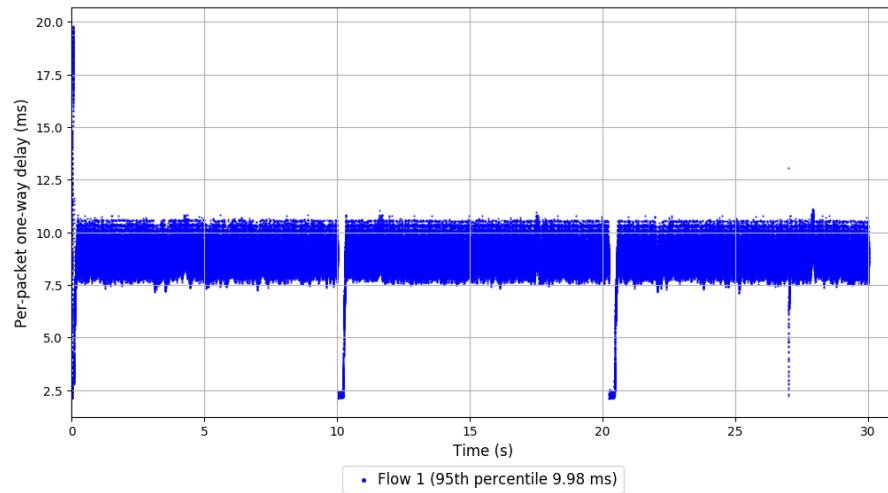
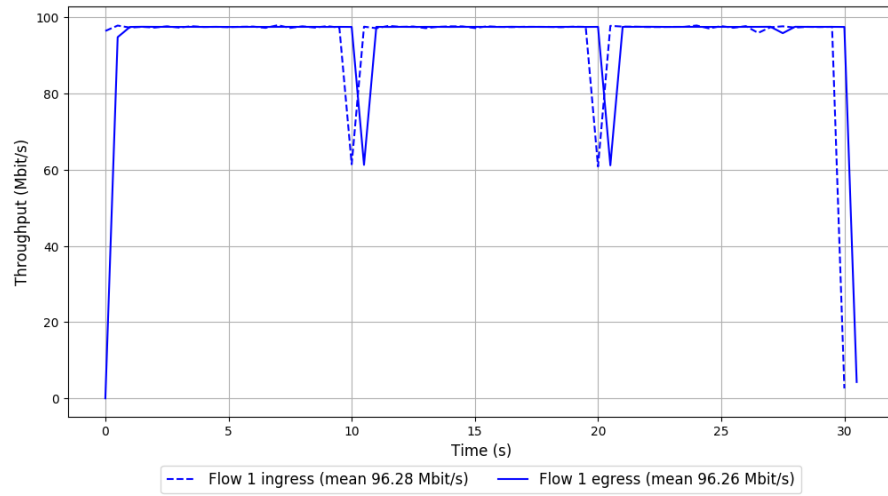
-- Flow 1:

Average throughput: 96.26 Mbit/s

95th percentile per-packet one-way delay: 9.980 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link

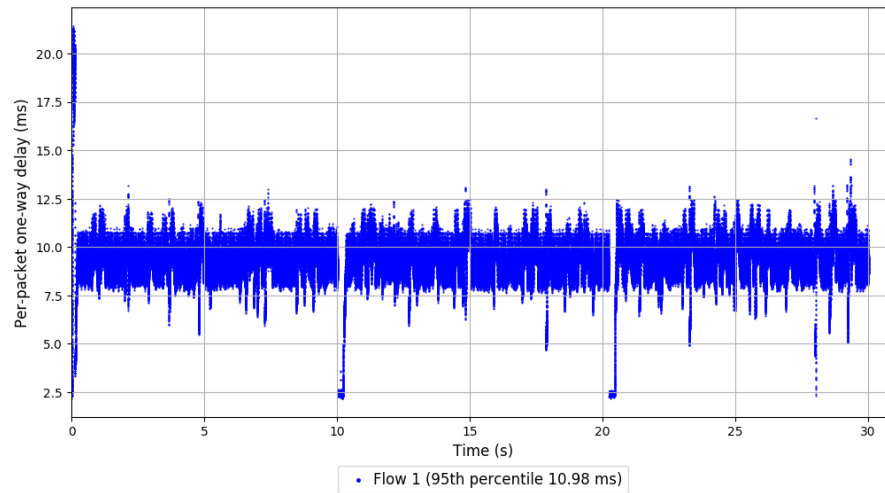
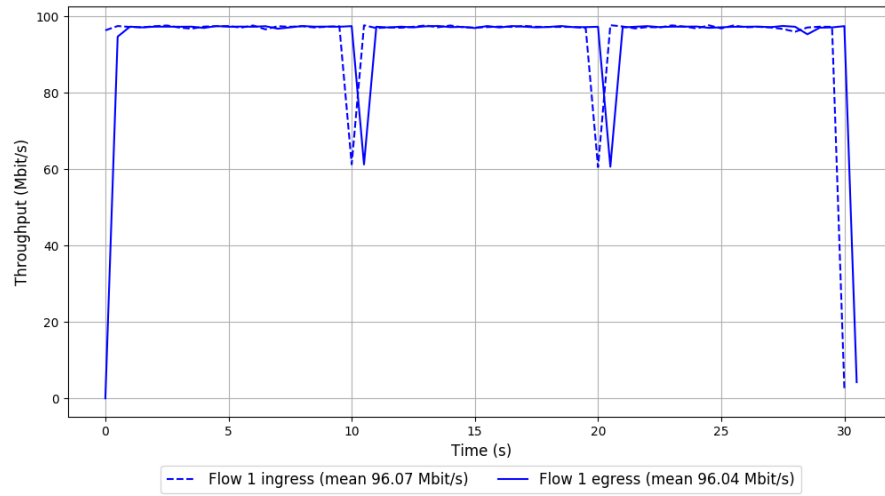


Run 7: Statistics of TCP BBR

Start at: 2018-07-09 22:04:57
End at: 2018-07-09 22:05:27
Local clock offset: 3.812 ms
Remote clock offset: -2.561 ms

Below is generated by plot.py at 2018-07-09 23:11:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 10.979 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 10.979 ms
Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-09 22:23:59

End at: 2018-07-09 22:24:29

Local clock offset: 3.054 ms

Remote clock offset: -1.442 ms

Below is generated by plot.py at 2018-07-09 23:11:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.12 Mbit/s

95th percentile per-packet one-way delay: 10.594 ms

Loss rate: 0.00%

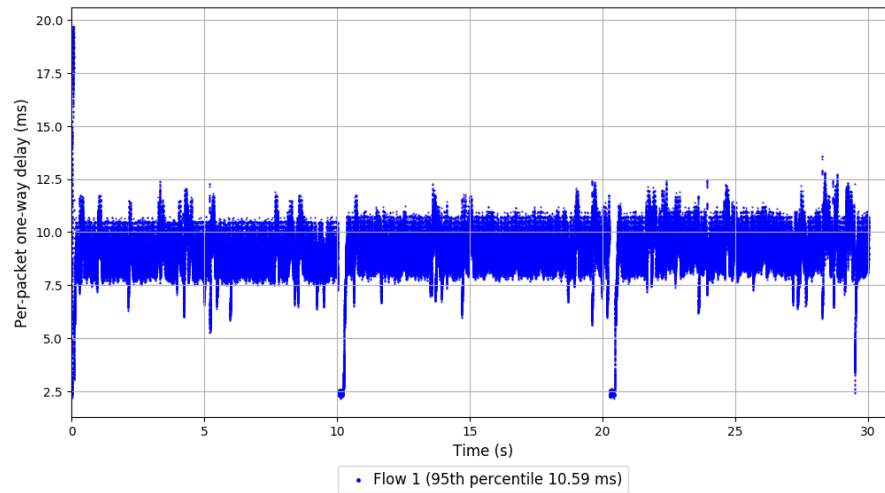
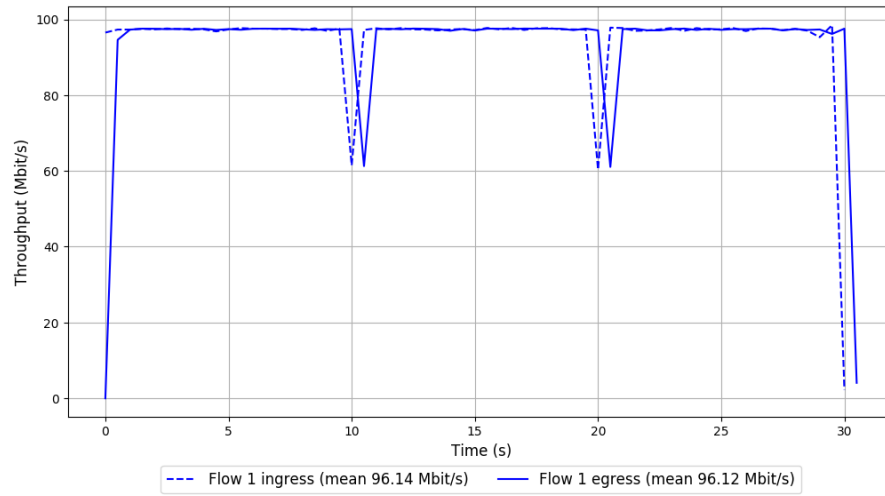
-- Flow 1:

Average throughput: 96.12 Mbit/s

95th percentile per-packet one-way delay: 10.594 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-09 22:43:02

End at: 2018-07-09 22:43:32

Local clock offset: 3.201 ms

Remote clock offset: -1.931 ms

Below is generated by plot.py at 2018-07-09 23:12:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.97 Mbit/s

95th percentile per-packet one-way delay: 10.799 ms

Loss rate: 0.00%

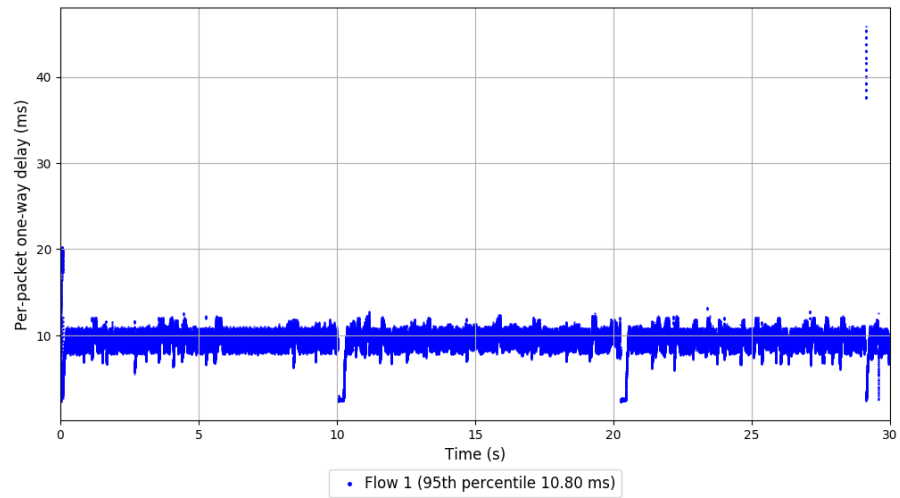
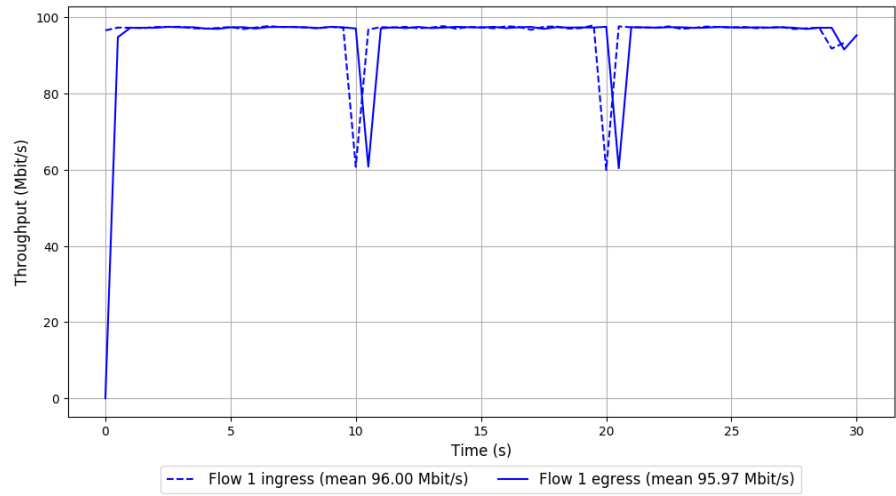
-- Flow 1:

Average throughput: 95.97 Mbit/s

95th percentile per-packet one-way delay: 10.799 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-09 23:02:04

End at: 2018-07-09 23:02:34

Local clock offset: 2.88 ms

Remote clock offset: -2.805 ms

Below is generated by plot.py at 2018-07-09 23:12:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.00 Mbit/s

95th percentile per-packet one-way delay: 10.776 ms

Loss rate: 0.00%

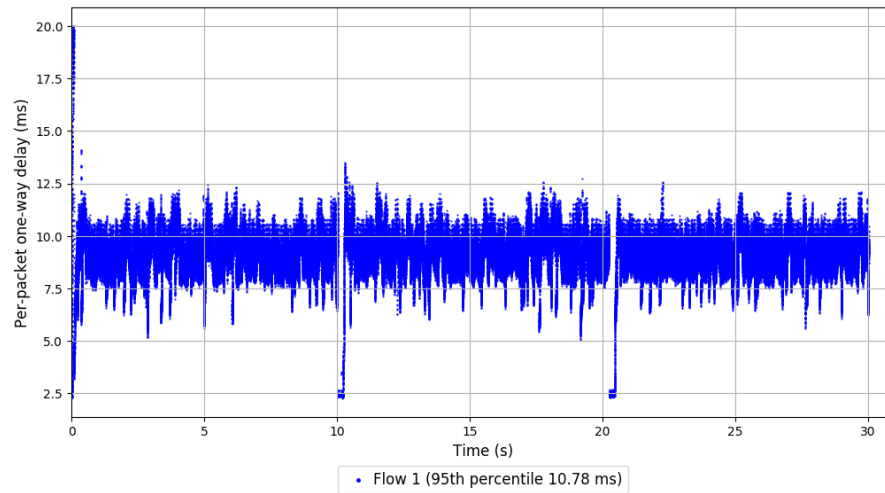
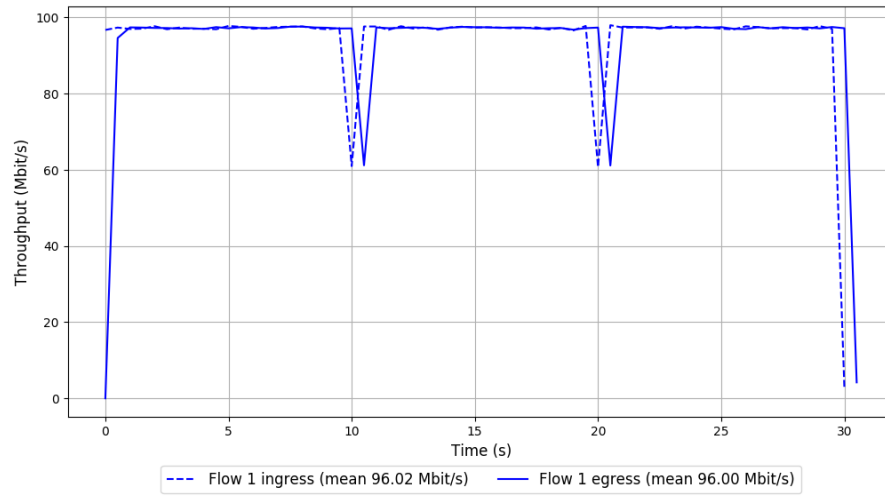
-- Flow 1:

Average throughput: 96.00 Mbit/s

95th percentile per-packet one-way delay: 10.776 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link

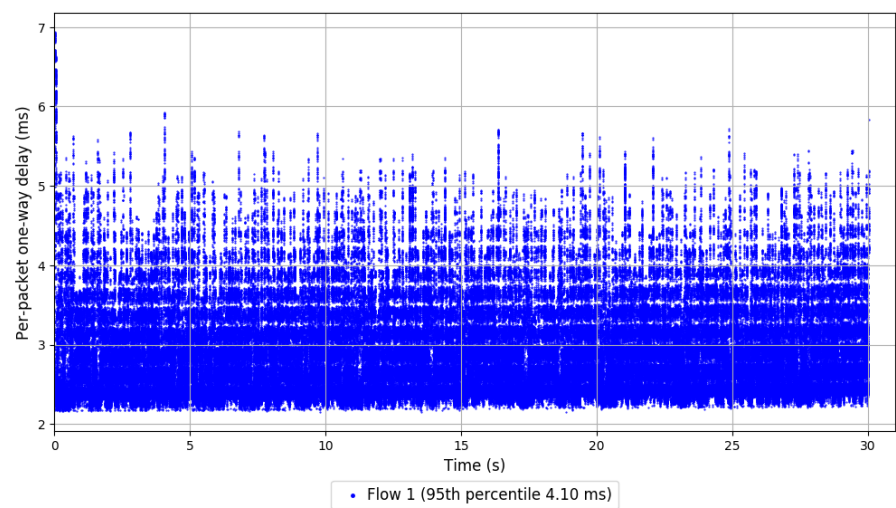
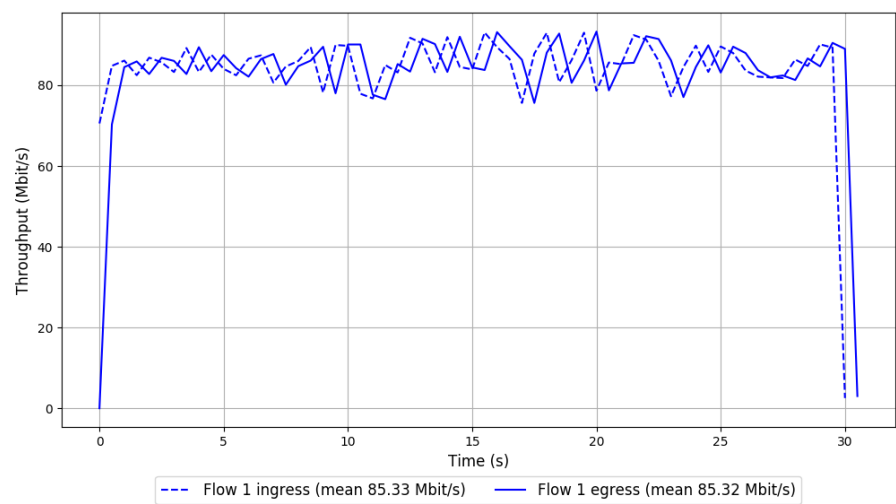


Run 1: Statistics of Copa

Start at: 2018-07-09 20:14:00
End at: 2018-07-09 20:14:30
Local clock offset: 3.548 ms
Remote clock offset: -2.224 ms

Below is generated by plot.py at 2018-07-09 23:13:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.32 Mbit/s
95th percentile per-packet one-way delay: 4.100 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.32 Mbit/s
95th percentile per-packet one-way delay: 4.100 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

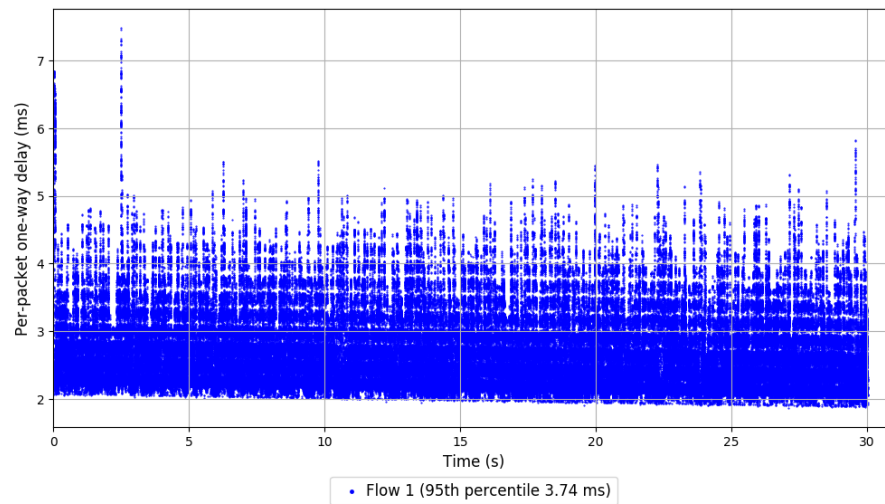
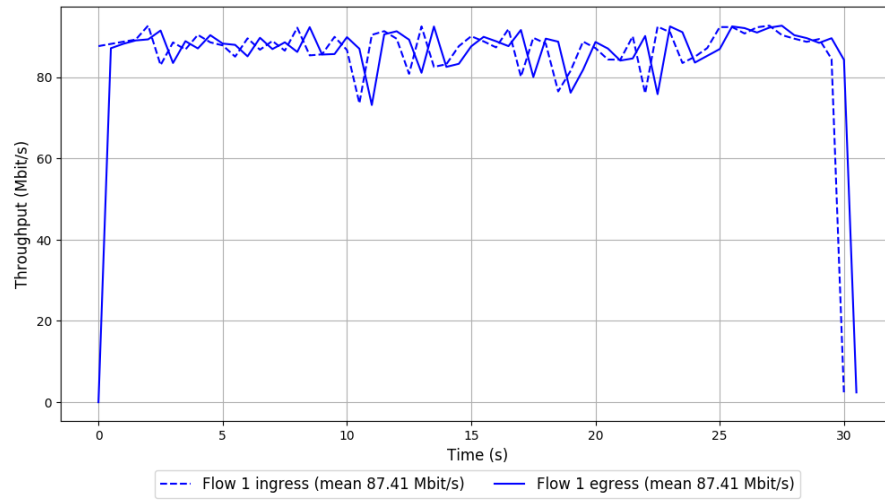


Run 2: Statistics of Copa

Start at: 2018-07-09 20:33:02
End at: 2018-07-09 20:33:32
Local clock offset: 3.646 ms
Remote clock offset: -1.9 ms

Below is generated by plot.py at 2018-07-09 23:13:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.41 Mbit/s
95th percentile per-packet one-way delay: 3.743 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.41 Mbit/s
95th percentile per-packet one-way delay: 3.743 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

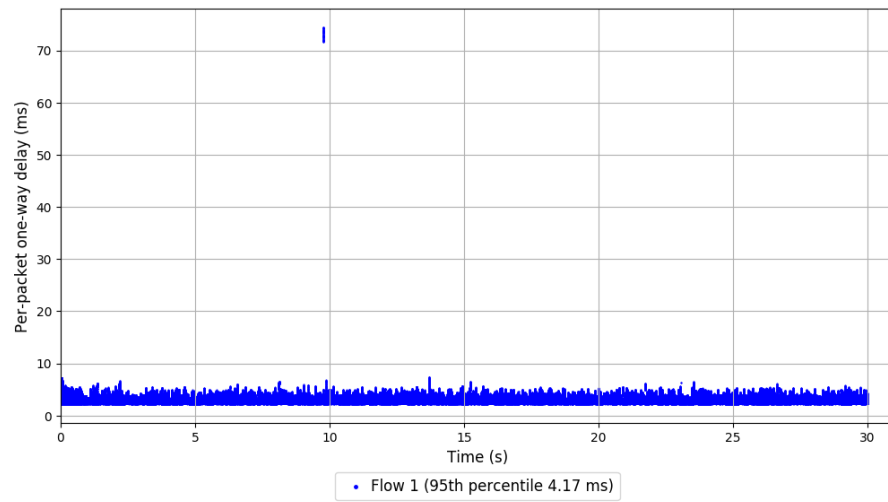
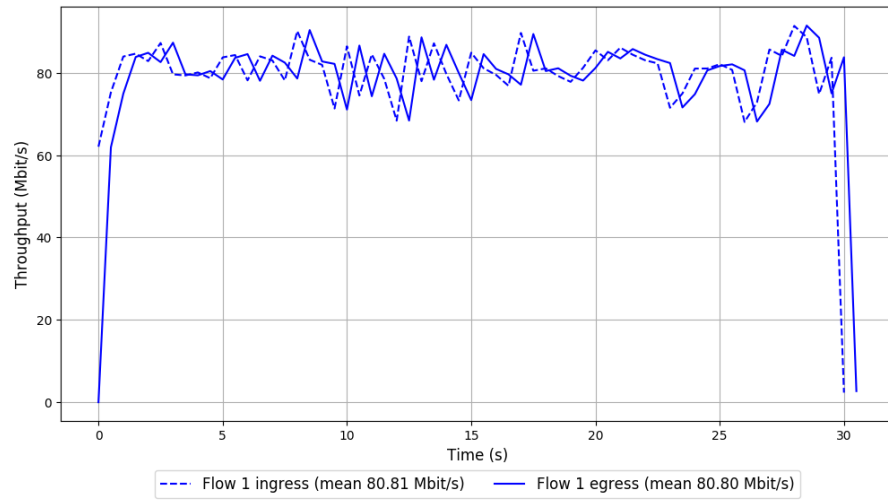


Run 3: Statistics of Copa

Start at: 2018-07-09 20:52:04
End at: 2018-07-09 20:52:34
Local clock offset: 2.122 ms
Remote clock offset: -1.811 ms

Below is generated by plot.py at 2018-07-09 23:13:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.80 Mbit/s
95th percentile per-packet one-way delay: 4.171 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 80.80 Mbit/s
95th percentile per-packet one-way delay: 4.171 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

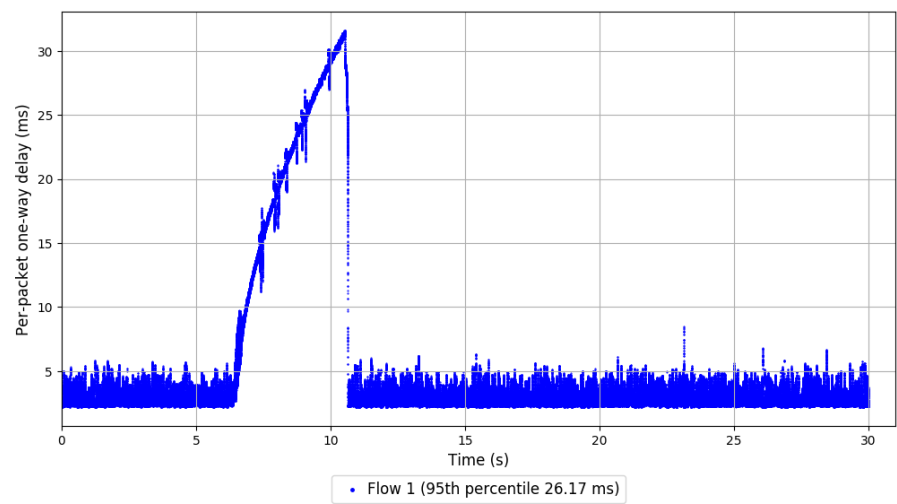
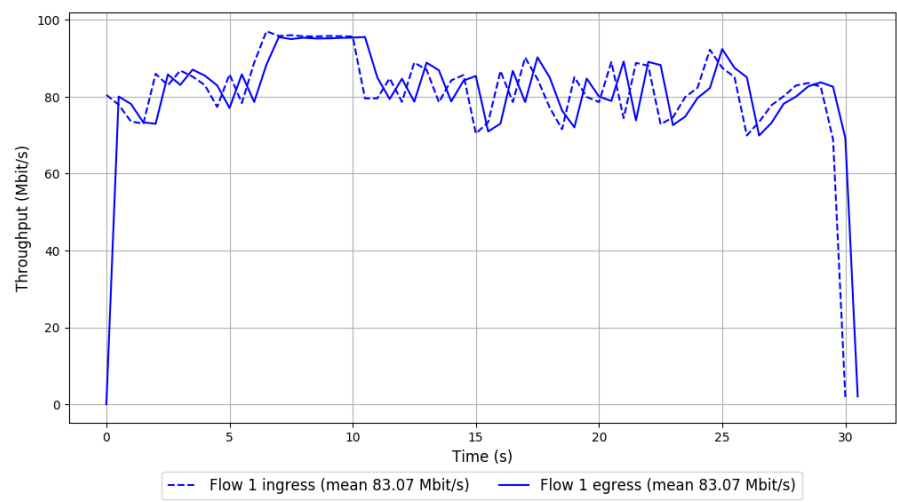


Run 4: Statistics of Copa

Start at: 2018-07-09 21:11:07
End at: 2018-07-09 21:11:37
Local clock offset: 2.679 ms
Remote clock offset: -2.065 ms

Below is generated by plot.py at 2018-07-09 23:13:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.07 Mbit/s
95th percentile per-packet one-way delay: 26.168 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.07 Mbit/s
95th percentile per-packet one-way delay: 26.168 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

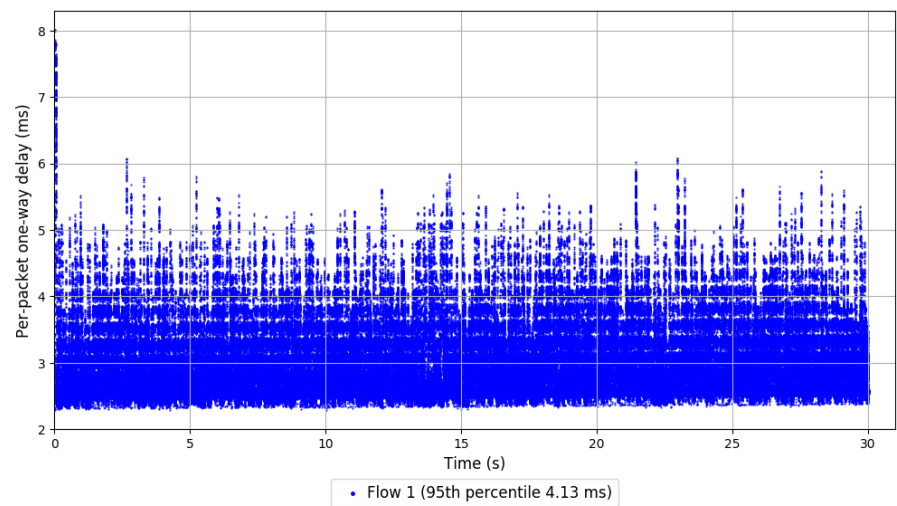
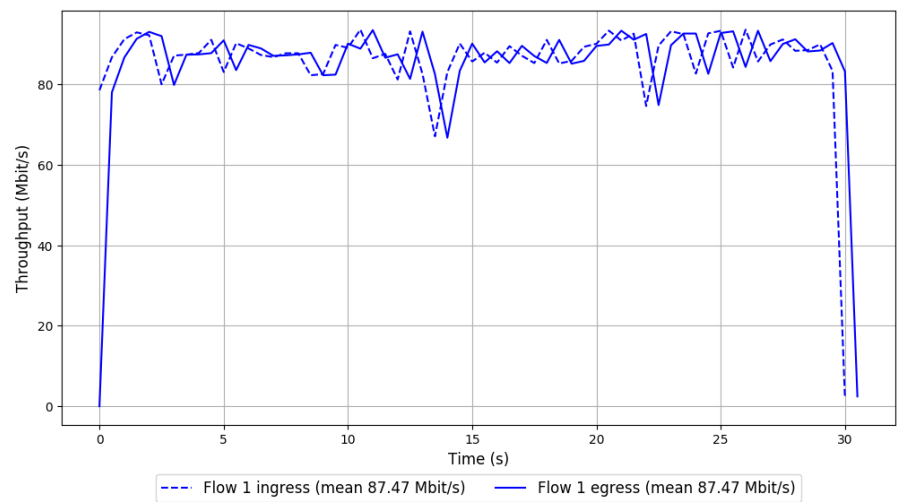


Run 5: Statistics of Copa

Start at: 2018-07-09 21:30:09
End at: 2018-07-09 21:30:39
Local clock offset: 3.213 ms
Remote clock offset: -2.248 ms

Below is generated by plot.py at 2018-07-09 23:13:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.47 Mbit/s
95th percentile per-packet one-way delay: 4.132 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.47 Mbit/s
95th percentile per-packet one-way delay: 4.132 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

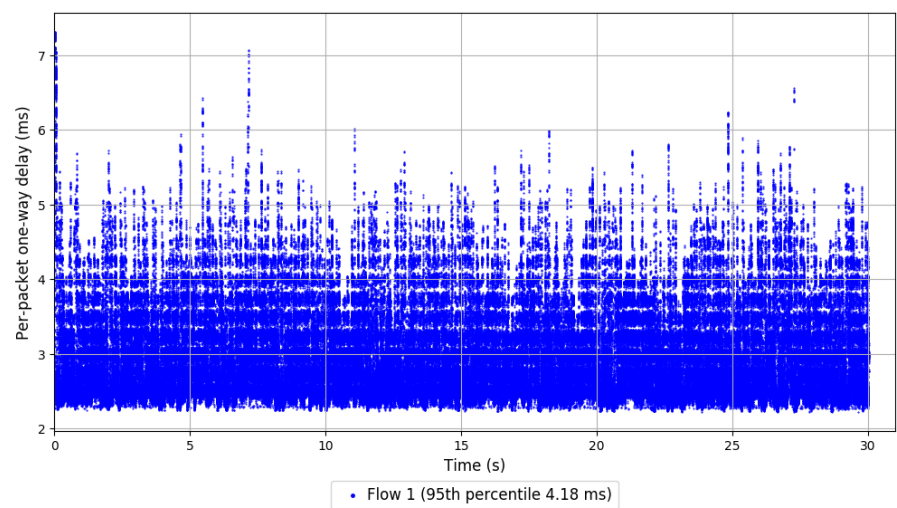
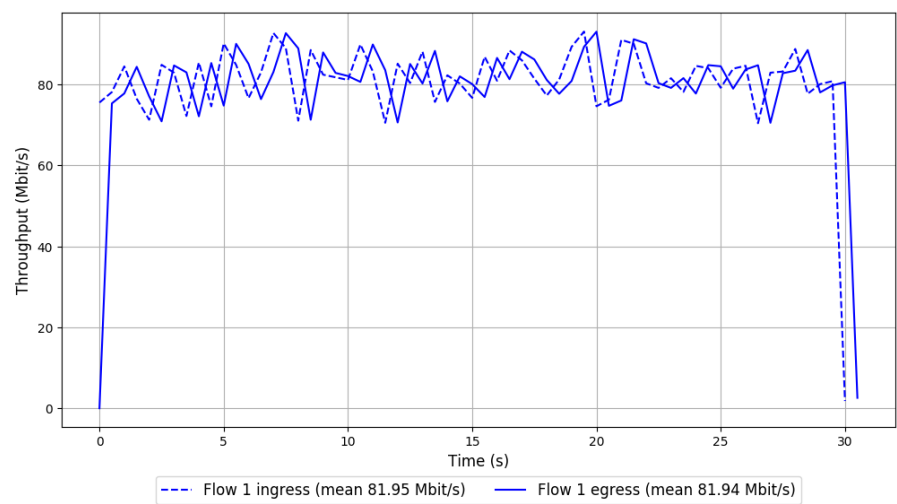


Run 6: Statistics of Copa

Start at: 2018-07-09 21:49:11
End at: 2018-07-09 21:49:41
Local clock offset: 4.344 ms
Remote clock offset: -2.668 ms

Below is generated by plot.py at 2018-07-09 23:13:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.94 Mbit/s
95th percentile per-packet one-way delay: 4.182 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 81.94 Mbit/s
95th percentile per-packet one-way delay: 4.182 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link

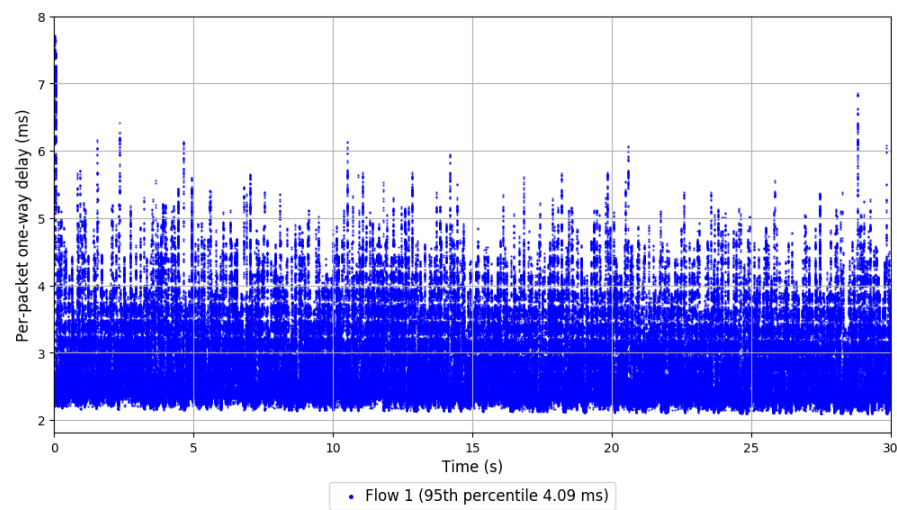
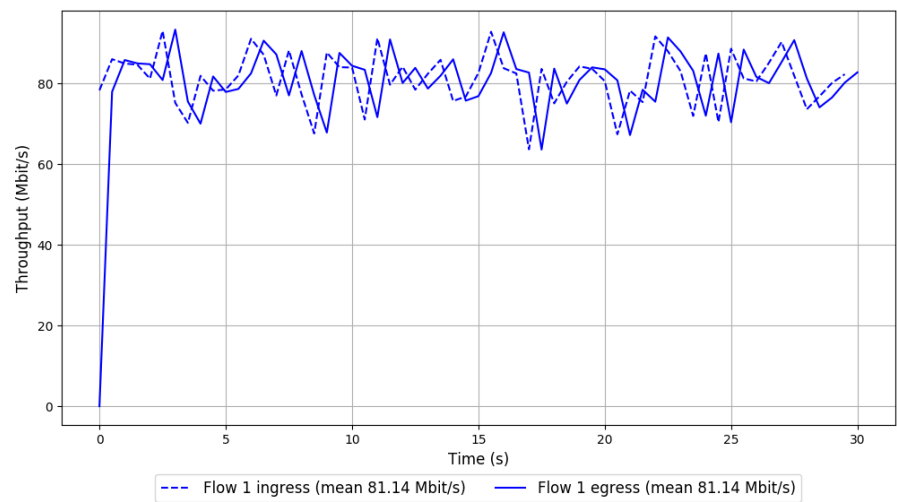


Run 7: Statistics of Copa

Start at: 2018-07-09 22:08:19
End at: 2018-07-09 22:08:49
Local clock offset: 3.681 ms
Remote clock offset: -2.187 ms

Below is generated by plot.py at 2018-07-09 23:14:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.14 Mbit/s
95th percentile per-packet one-way delay: 4.088 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 81.14 Mbit/s
95th percentile per-packet one-way delay: 4.088 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-07-09 22:27:21

End at: 2018-07-09 22:27:51

Local clock offset: 3.046 ms

Remote clock offset: -1.3 ms

Below is generated by plot.py at 2018-07-09 23:14:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.09 Mbit/s

95th percentile per-packet one-way delay: 4.176 ms

Loss rate: 0.00%

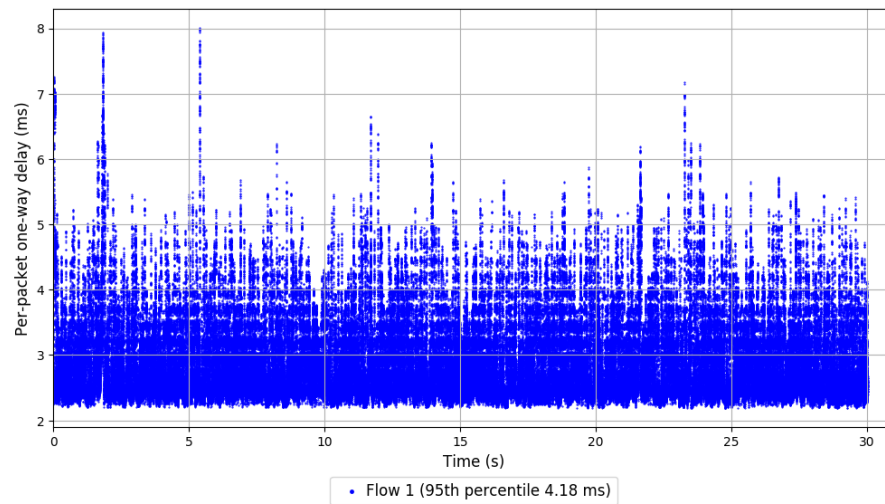
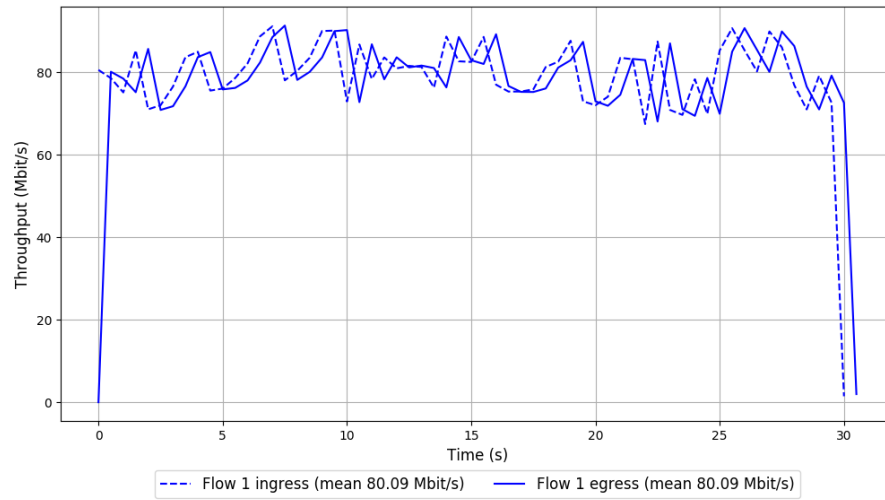
-- Flow 1:

Average throughput: 80.09 Mbit/s

95th percentile per-packet one-way delay: 4.176 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link

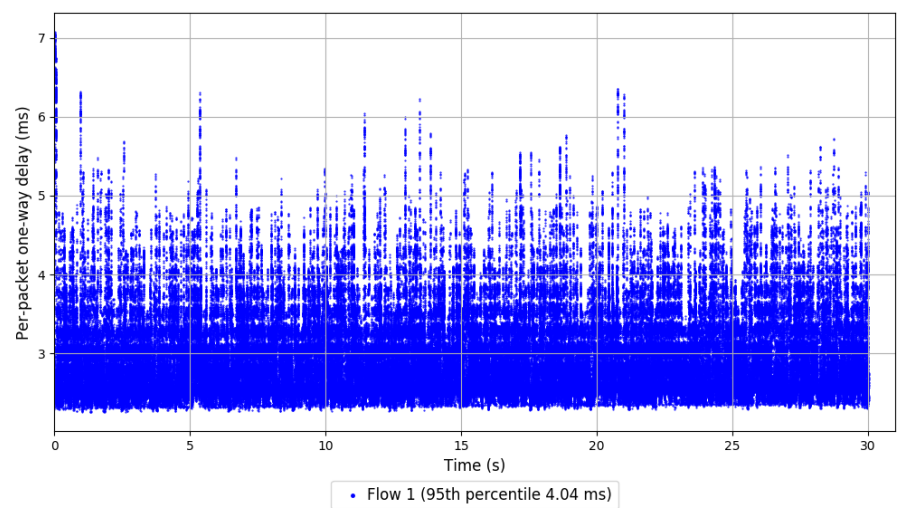
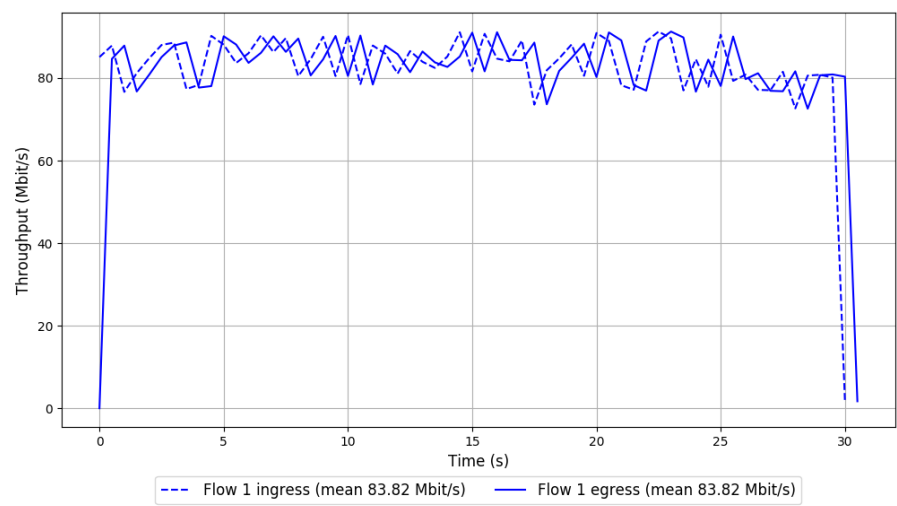


Run 9: Statistics of Copa

Start at: 2018-07-09 22:46:23
End at: 2018-07-09 22:46:53
Local clock offset: 3.275 ms
Remote clock offset: -2.203 ms

Below is generated by plot.py at 2018-07-09 23:15:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.82 Mbit/s
95th percentile per-packet one-way delay: 4.040 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.82 Mbit/s
95th percentile per-packet one-way delay: 4.040 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-09 23:05:25

End at: 2018-07-09 23:05:55

Local clock offset: 2.859 ms

Remote clock offset: -2.865 ms

Below is generated by plot.py at 2018-07-09 23:15:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.58 Mbit/s

95th percentile per-packet one-way delay: 4.048 ms

Loss rate: 0.00%

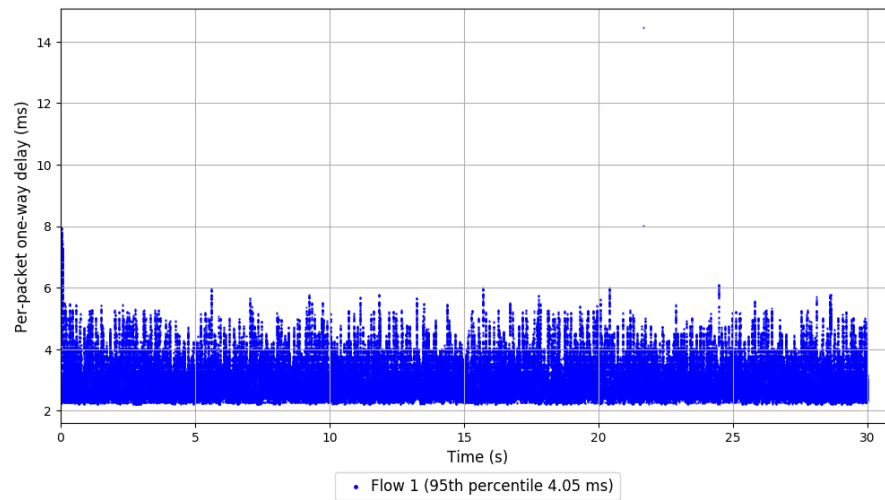
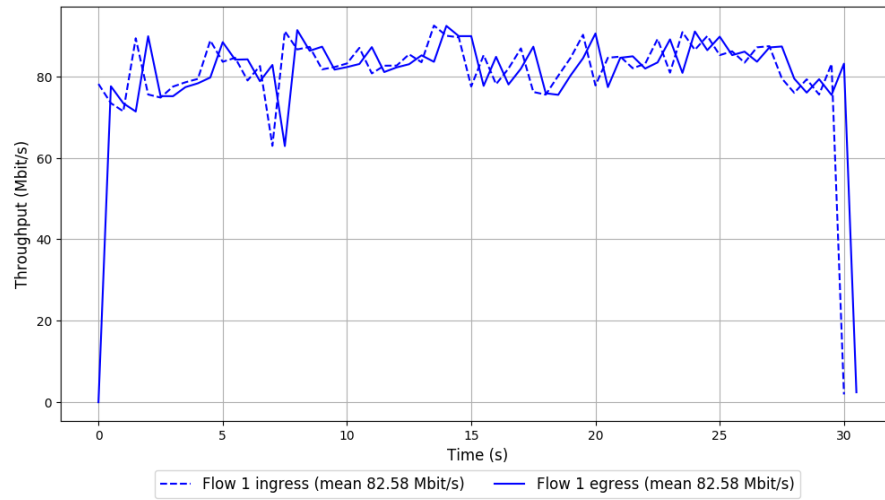
-- Flow 1:

Average throughput: 82.58 Mbit/s

95th percentile per-packet one-way delay: 4.048 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-07-09 20:12:52

End at: 2018-07-09 20:13:22

Local clock offset: 3.377 ms

Remote clock offset: -2.178 ms

Below is generated by plot.py at 2018-07-09 23:15:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 32.786 ms

Loss rate: 0.01%

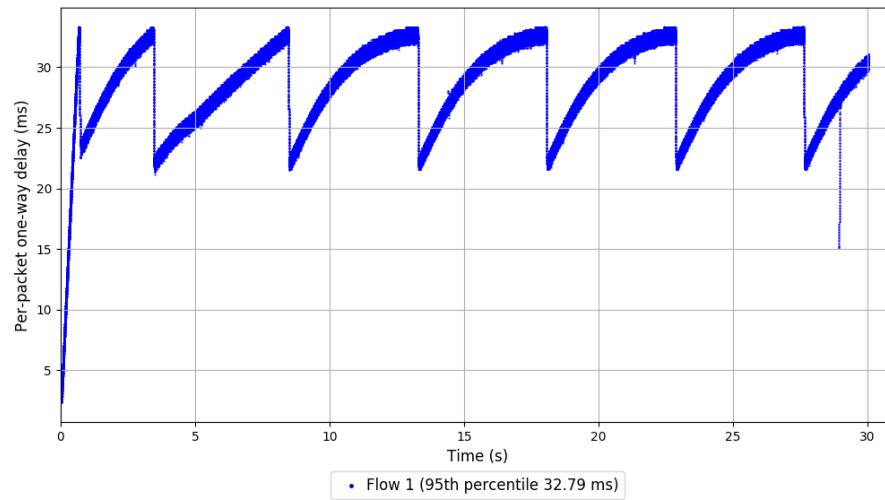
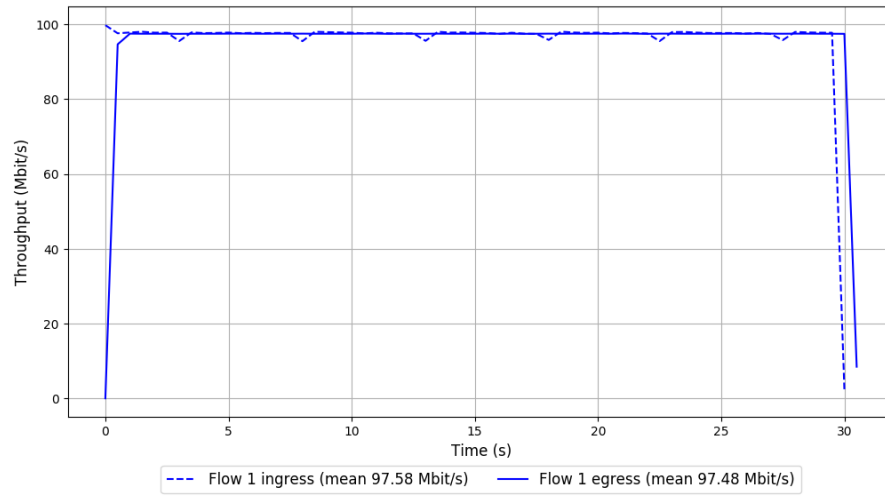
-- Flow 1:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 32.786 ms

Loss rate: 0.01%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-07-09 20:31:55

End at: 2018-07-09 20:32:25

Local clock offset: 3.68 ms

Remote clock offset: -1.97 ms

Below is generated by plot.py at 2018-07-09 23:15:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 32.441 ms

Loss rate: 0.01%

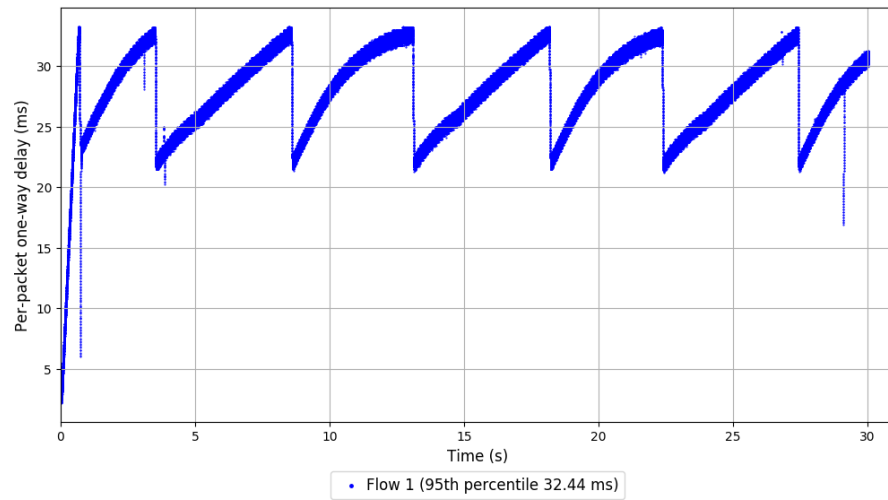
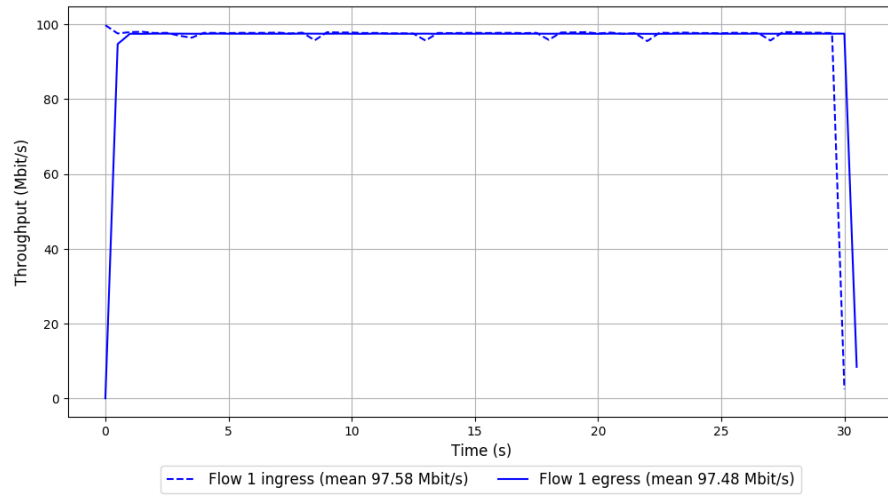
-- Flow 1:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 32.441 ms

Loss rate: 0.01%

Run 2: Report of TCP Cubic — Data Link

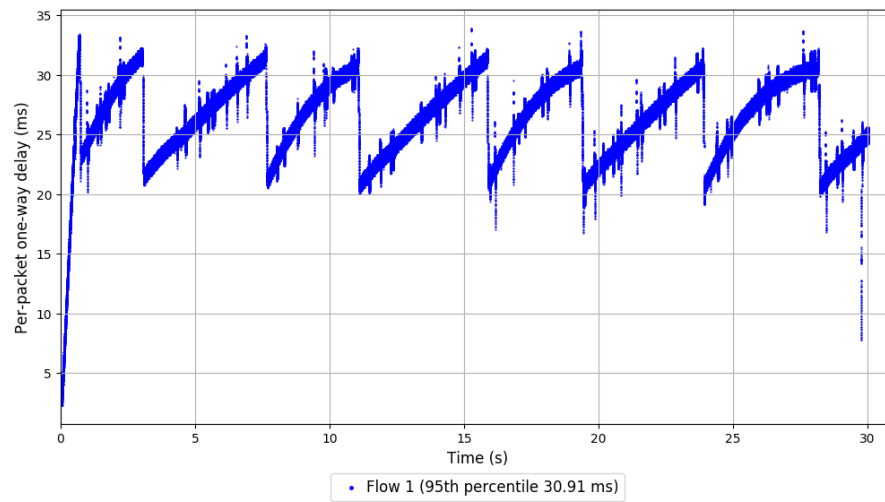
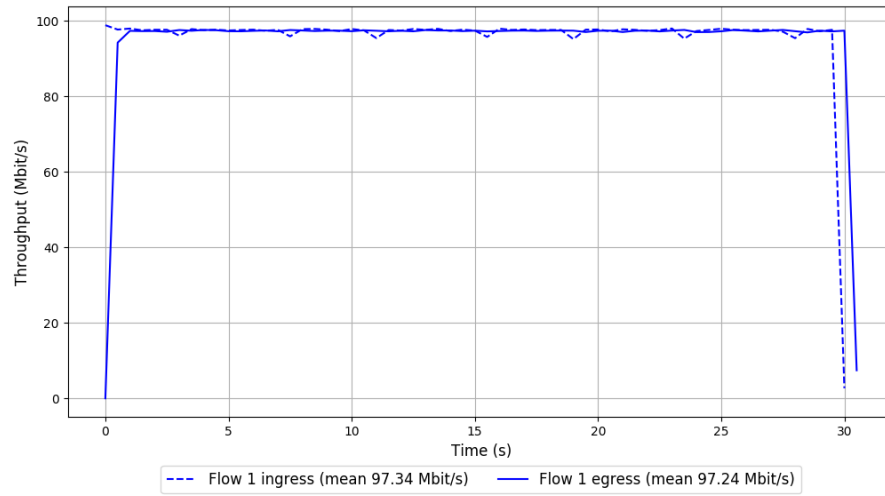


Run 3: Statistics of TCP Cubic

Start at: 2018-07-09 20:50:57
End at: 2018-07-09 20:51:27
Local clock offset: 2.089 ms
Remote clock offset: -1.765 ms

Below is generated by plot.py at 2018-07-09 23:15:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.24 Mbit/s
95th percentile per-packet one-way delay: 30.911 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.24 Mbit/s
95th percentile per-packet one-way delay: 30.911 ms
Loss rate: 0.02%

Run 3: Report of TCP Cubic — Data Link

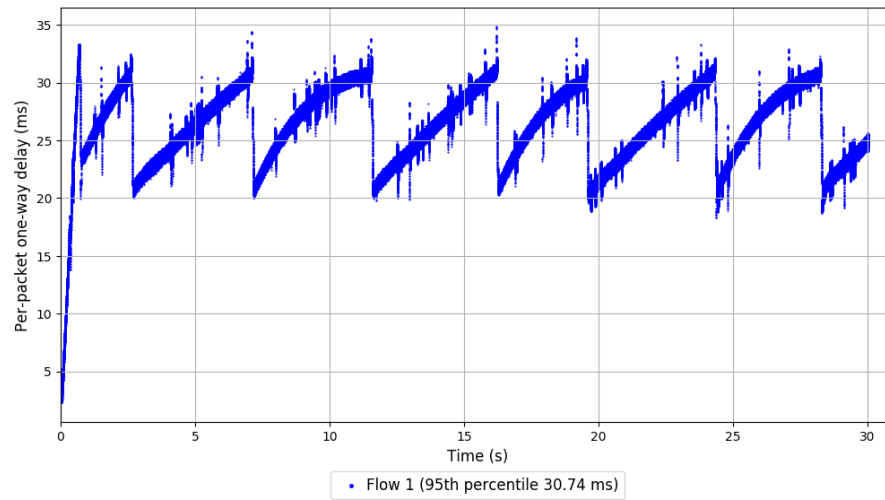
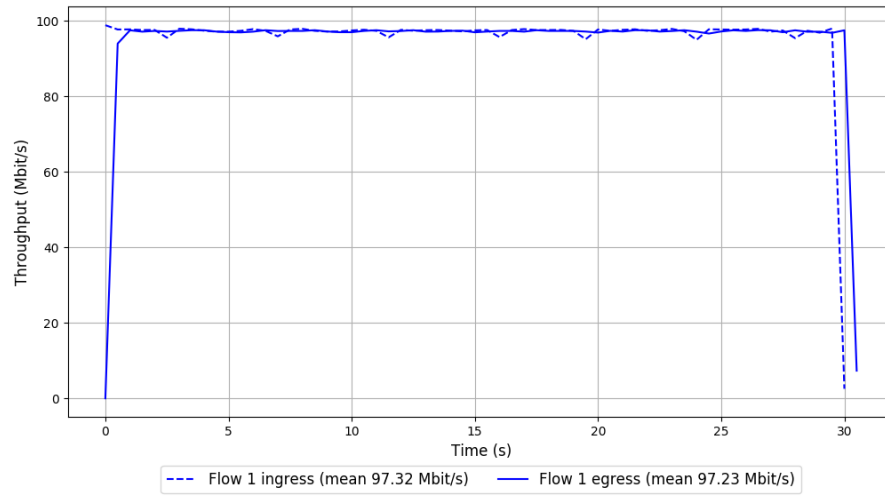


Run 4: Statistics of TCP Cubic

Start at: 2018-07-09 21:09:59
End at: 2018-07-09 21:10:29
Local clock offset: 2.707 ms
Remote clock offset: -2.048 ms

Below is generated by plot.py at 2018-07-09 23:15:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.23 Mbit/s
95th percentile per-packet one-way delay: 30.740 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.23 Mbit/s
95th percentile per-packet one-way delay: 30.740 ms
Loss rate: 0.02%

Run 4: Report of TCP Cubic — Data Link

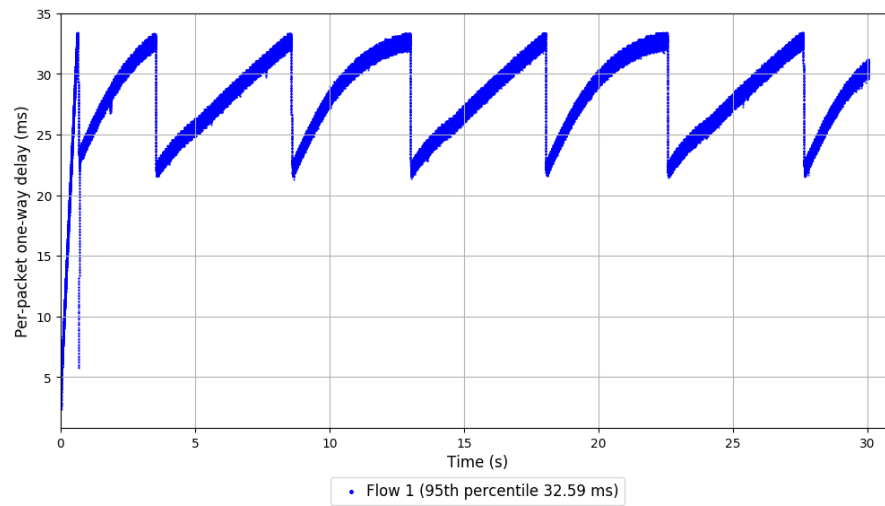
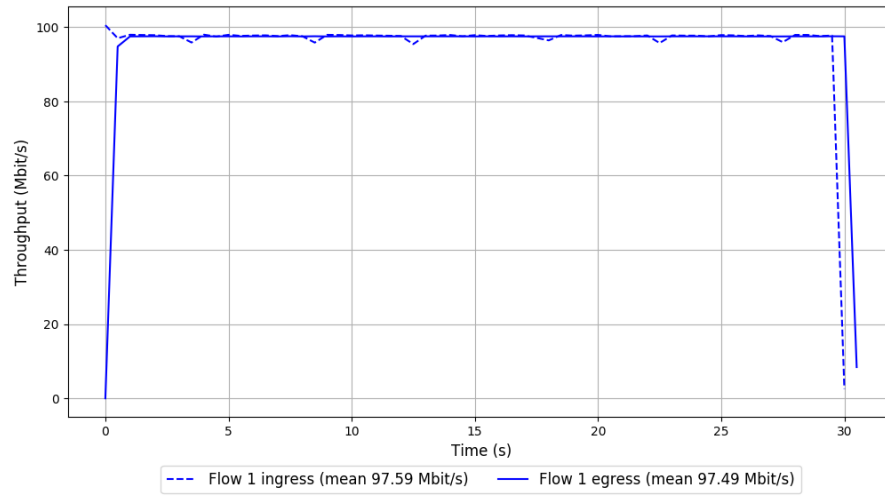


Run 5: Statistics of TCP Cubic

Start at: 2018-07-09 21:29:02
End at: 2018-07-09 21:29:32
Local clock offset: 3.129 ms
Remote clock offset: -2.209 ms

Below is generated by plot.py at 2018-07-09 23:15:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 32.588 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 32.588 ms
Loss rate: 0.01%

Run 5: Report of TCP Cubic — Data Link

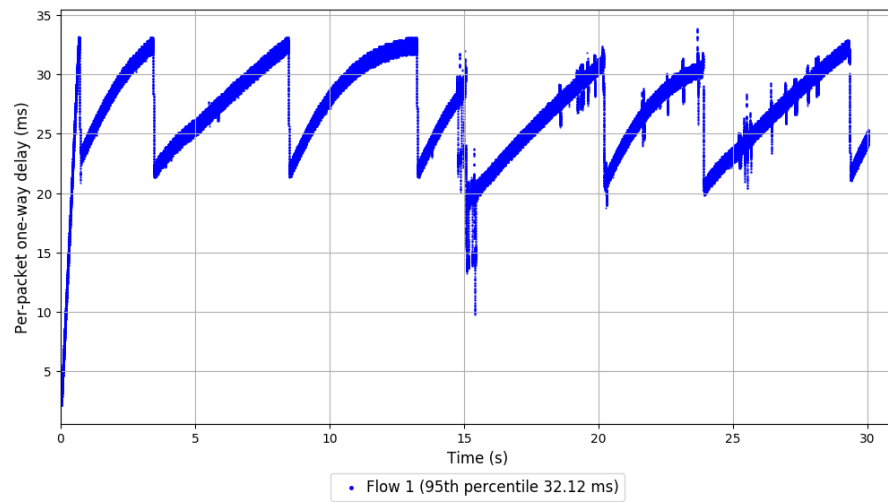
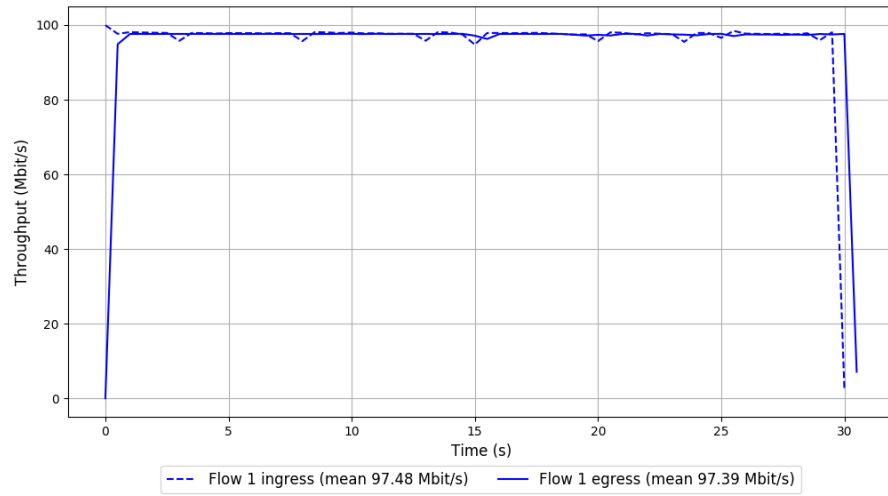


Run 6: Statistics of TCP Cubic

Start at: 2018-07-09 21:48:04
End at: 2018-07-09 21:48:34
Local clock offset: 4.505 ms
Remote clock offset: -2.779 ms

Below is generated by plot.py at 2018-07-09 23:15:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 32.116 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 32.116 ms
Loss rate: 0.02%

Run 6: Report of TCP Cubic — Data Link

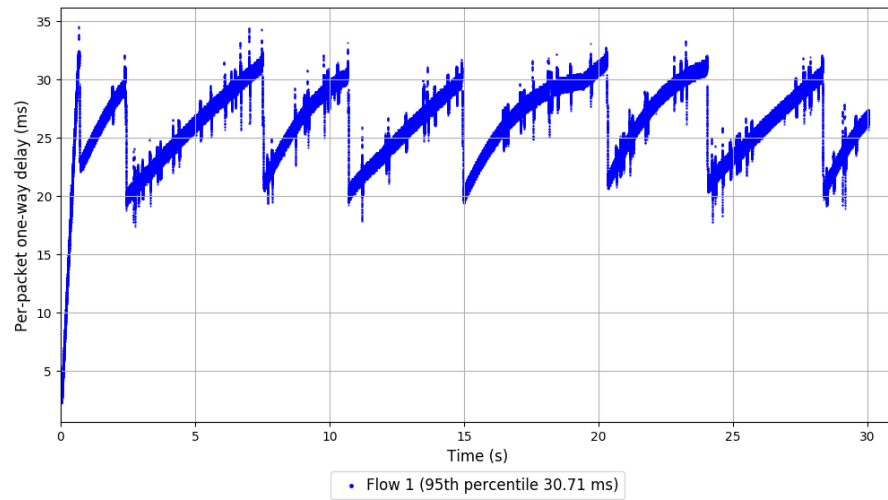
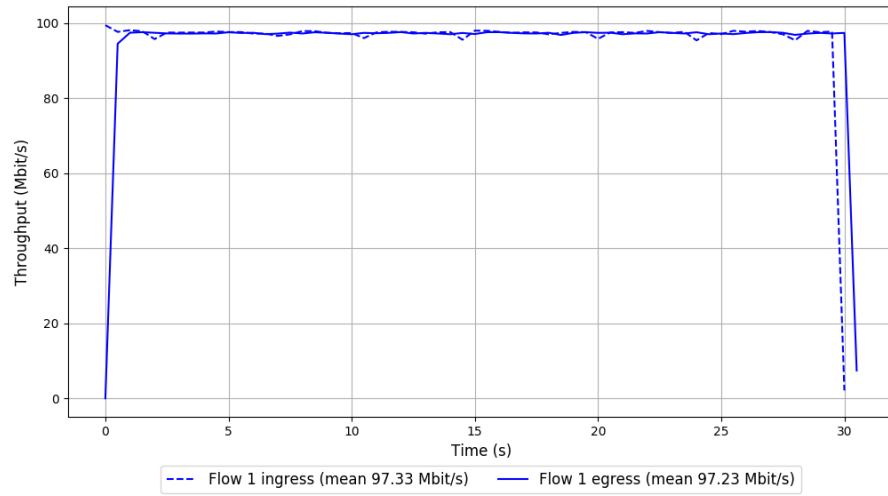


Run 7: Statistics of TCP Cubic

Start at: 2018-07-09 22:07:12
End at: 2018-07-09 22:07:42
Local clock offset: 3.765 ms
Remote clock offset: -2.298 ms

Below is generated by plot.py at 2018-07-09 23:15:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.23 Mbit/s
95th percentile per-packet one-way delay: 30.715 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.23 Mbit/s
95th percentile per-packet one-way delay: 30.715 ms
Loss rate: 0.02%

Run 7: Report of TCP Cubic — Data Link

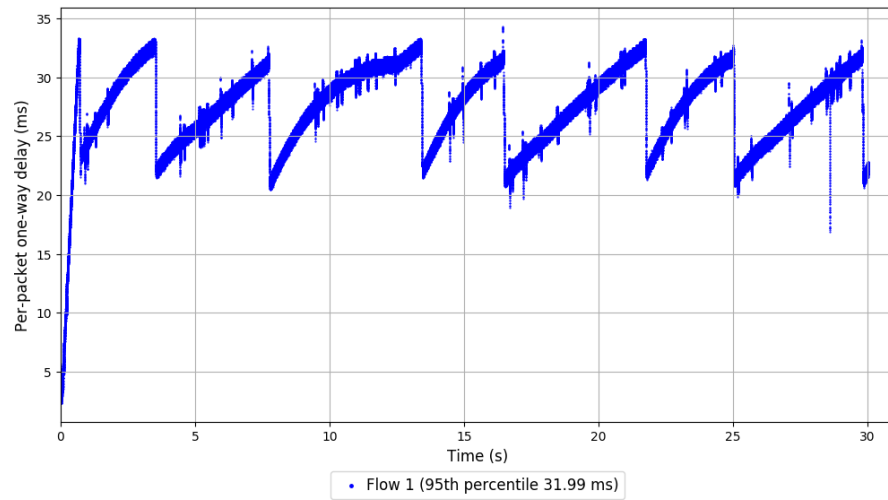
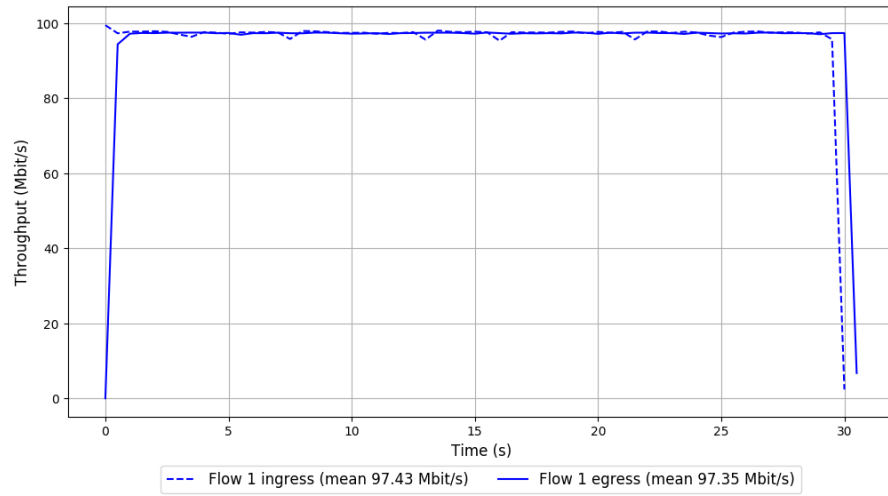


Run 8: Statistics of TCP Cubic

Start at: 2018-07-09 22:26:13
End at: 2018-07-09 22:26:43
Local clock offset: 3.066 ms
Remote clock offset: -1.308 ms

Below is generated by plot.py at 2018-07-09 23:15:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.35 Mbit/s
95th percentile per-packet one-way delay: 31.986 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.35 Mbit/s
95th percentile per-packet one-way delay: 31.986 ms
Loss rate: 0.01%

Run 8: Report of TCP Cubic — Data Link

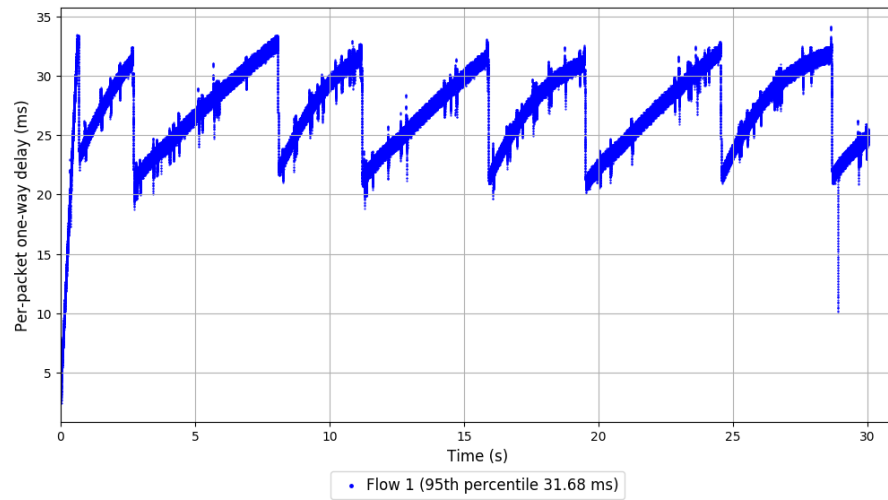
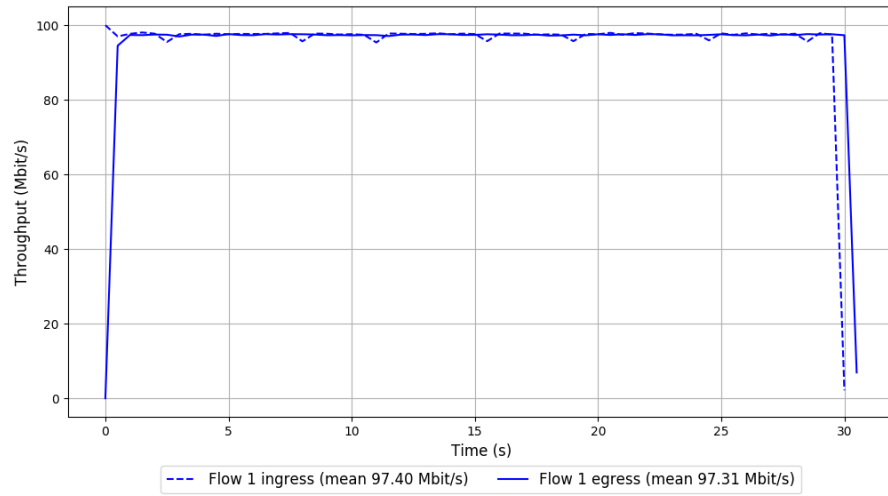


Run 9: Statistics of TCP Cubic

Start at: 2018-07-09 22:45:15
End at: 2018-07-09 22:45:45
Local clock offset: 3.202 ms
Remote clock offset: -2.101 ms

Below is generated by plot.py at 2018-07-09 23:16:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.31 Mbit/s
95th percentile per-packet one-way delay: 31.684 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.31 Mbit/s
95th percentile per-packet one-way delay: 31.684 ms
Loss rate: 0.01%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-09 23:04:18

End at: 2018-07-09 23:04:48

Local clock offset: 2.863 ms

Remote clock offset: -2.836 ms

Below is generated by plot.py at 2018-07-09 23:16:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.27 Mbit/s

95th percentile per-packet one-way delay: 31.513 ms

Loss rate: 0.02%

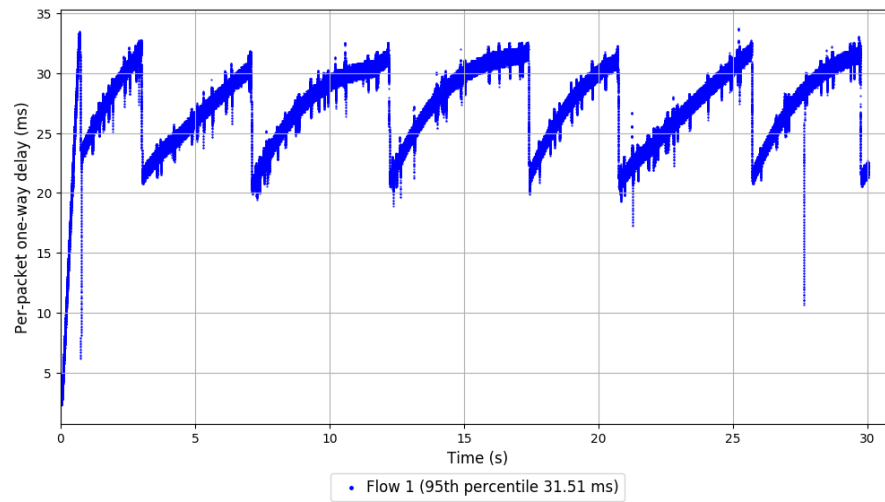
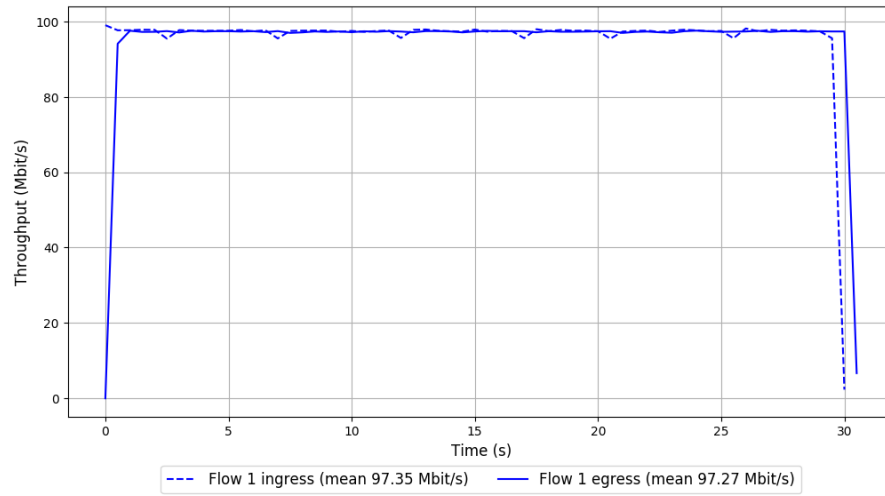
-- Flow 1:

Average throughput: 97.27 Mbit/s

95th percentile per-packet one-way delay: 31.513 ms

Loss rate: 0.02%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

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

End at: 2018-07-09 20:07:50

Local clock offset: 3.489 ms

Remote clock offset: -2.06 ms

Below is generated by plot.py at 2018-07-09 23:16:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.04 Mbit/s

95th percentile per-packet one-way delay: 29.936 ms

Loss rate: 4.03%

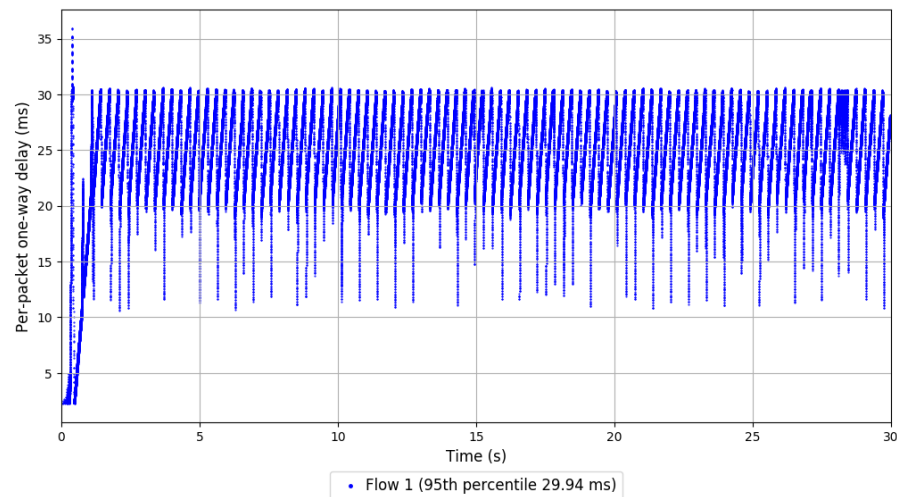
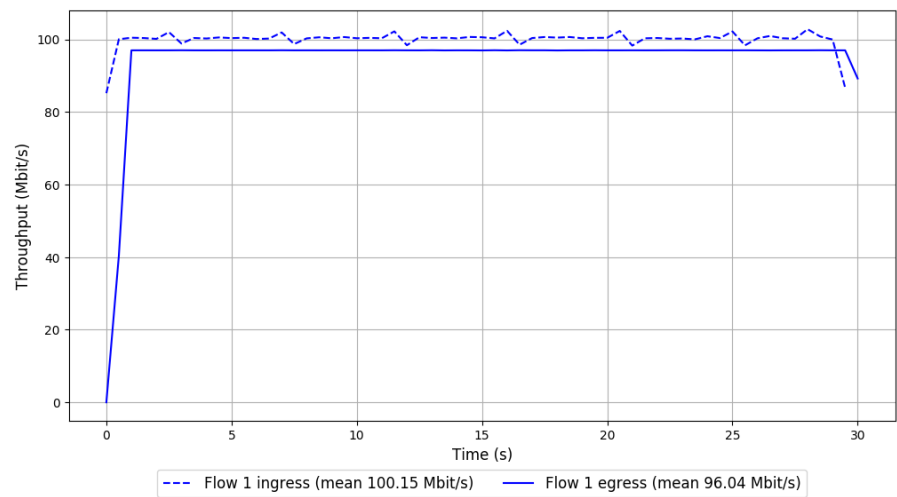
-- Flow 1:

Average throughput: 96.04 Mbit/s

95th percentile per-packet one-way delay: 29.936 ms

Loss rate: 4.03%

Run 1: Report of FillP — Data Link

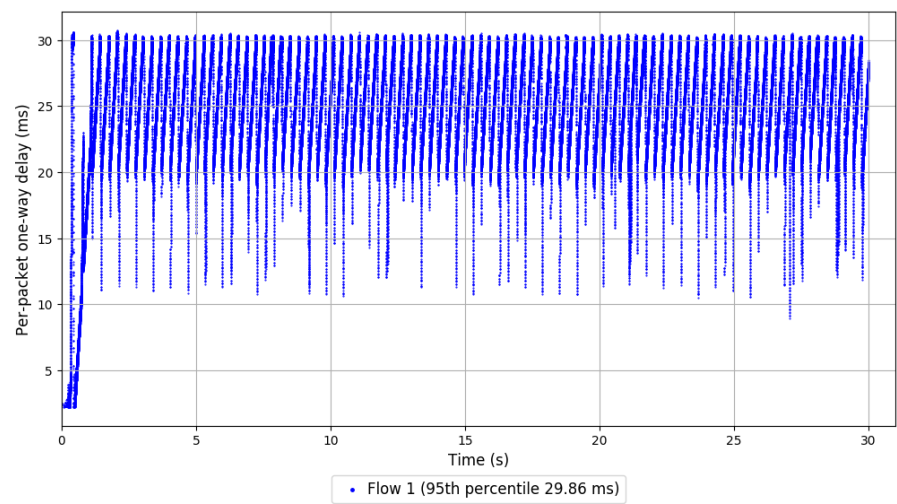
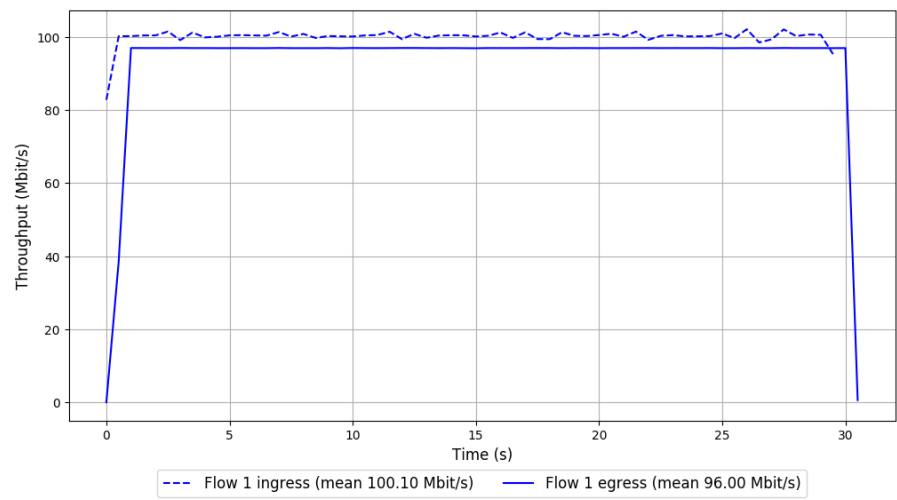


Run 2: Statistics of FillP

Start at: 2018-07-09 20:26:19
End at: 2018-07-09 20:26:49
Local clock offset: 3.798 ms
Remote clock offset: -2.066 ms

Below is generated by plot.py at 2018-07-09 23:17:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 29.856 ms
Loss rate: 4.01%
-- Flow 1:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 29.856 ms
Loss rate: 4.01%

Run 2: Report of FillP — Data Link

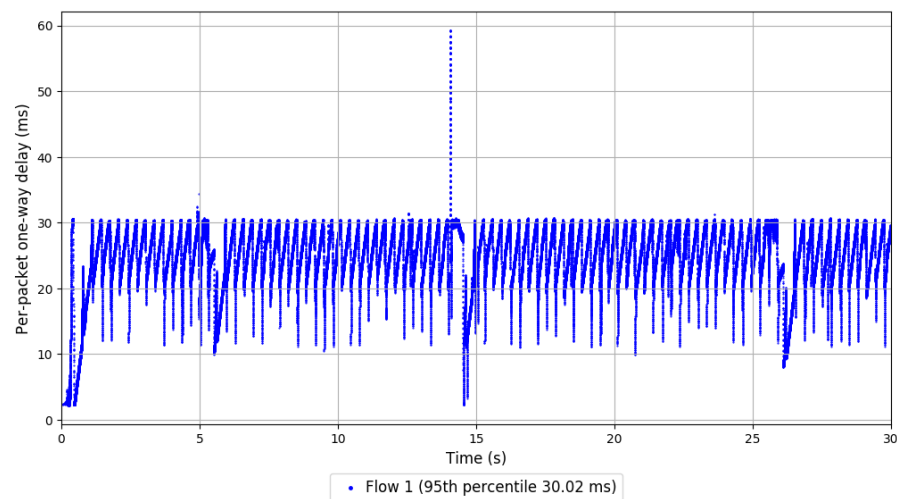
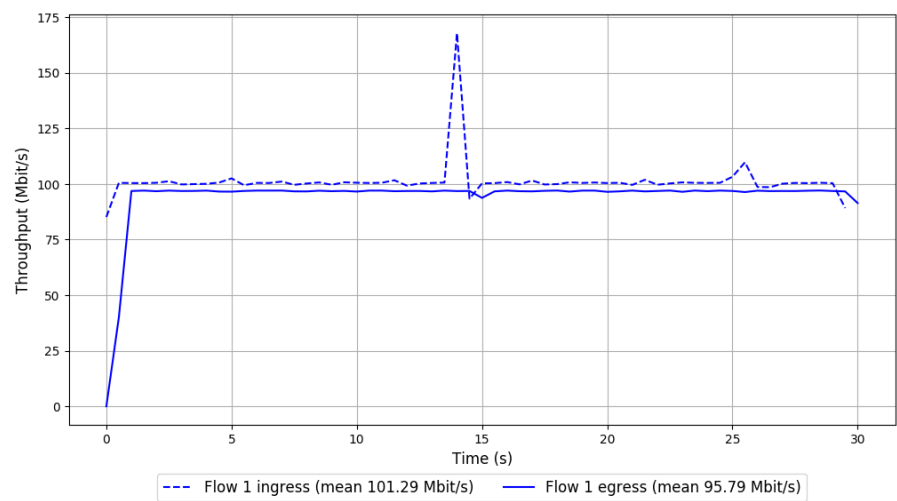


Run 3: Statistics of FillP

Start at: 2018-07-09 20:45:21
End at: 2018-07-09 20:45:51
Local clock offset: 1.954 ms
Remote clock offset: -1.787 ms

Below is generated by plot.py at 2018-07-09 23:17:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.79 Mbit/s
95th percentile per-packet one-way delay: 30.018 ms
Loss rate: 5.34%
-- Flow 1:
Average throughput: 95.79 Mbit/s
95th percentile per-packet one-way delay: 30.018 ms
Loss rate: 5.34%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-07-09 21:04:23

End at: 2018-07-09 21:04:53

Local clock offset: 2.354 ms

Remote clock offset: -2.009 ms

Below is generated by plot.py at 2018-07-09 23:17:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.80 Mbit/s

95th percentile per-packet one-way delay: 30.034 ms

Loss rate: 4.44%

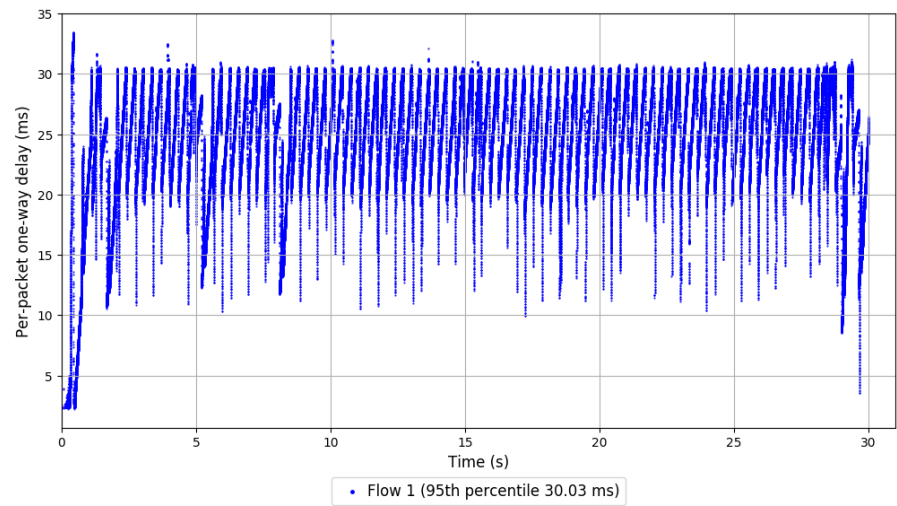
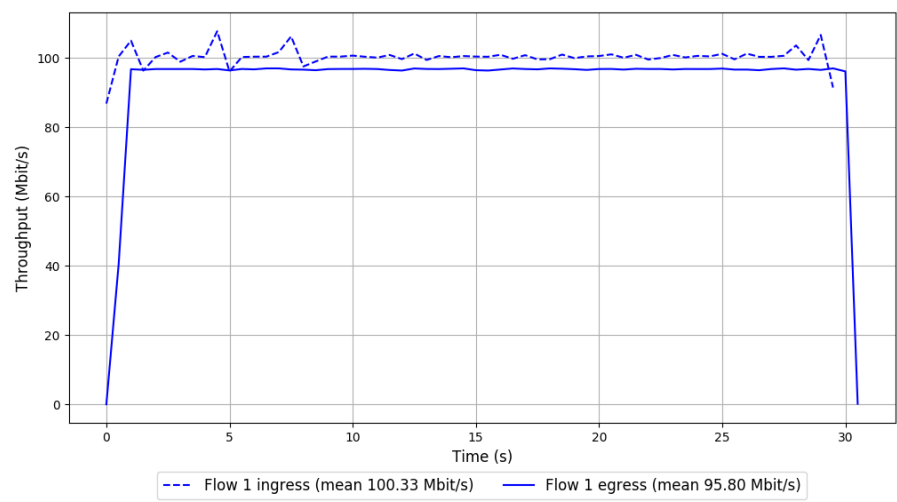
-- Flow 1:

Average throughput: 95.80 Mbit/s

95th percentile per-packet one-way delay: 30.034 ms

Loss rate: 4.44%

Run 4: Report of FillP — Data Link

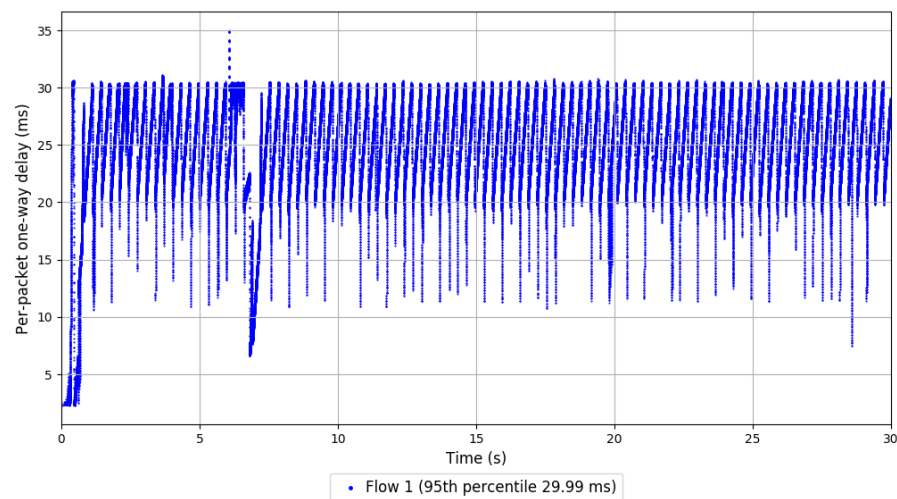
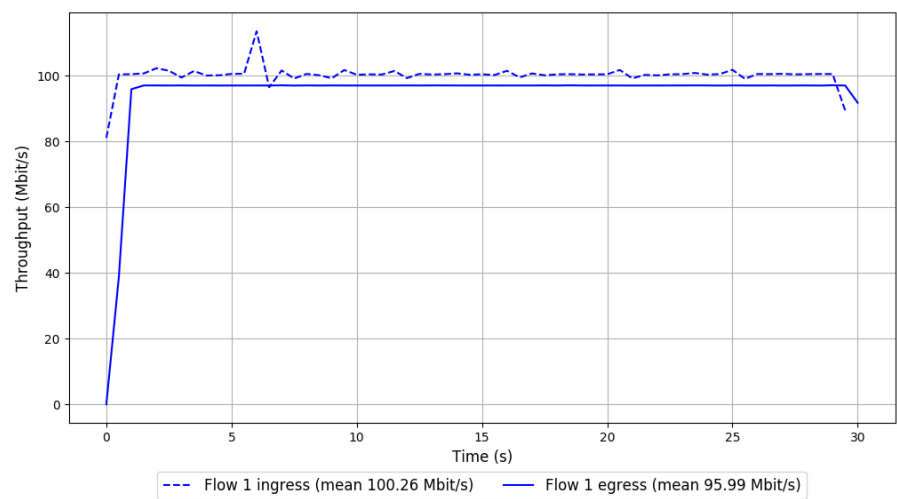


Run 5: Statistics of FillP

Start at: 2018-07-09 21:23:26
End at: 2018-07-09 21:23:56
Local clock offset: 2.81 ms
Remote clock offset: -2.159 ms

Below is generated by plot.py at 2018-07-09 23:17:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.99 Mbit/s
95th percentile per-packet one-way delay: 29.989 ms
Loss rate: 4.17%
-- Flow 1:
Average throughput: 95.99 Mbit/s
95th percentile per-packet one-way delay: 29.989 ms
Loss rate: 4.17%

Run 5: Report of FillP — Data Link

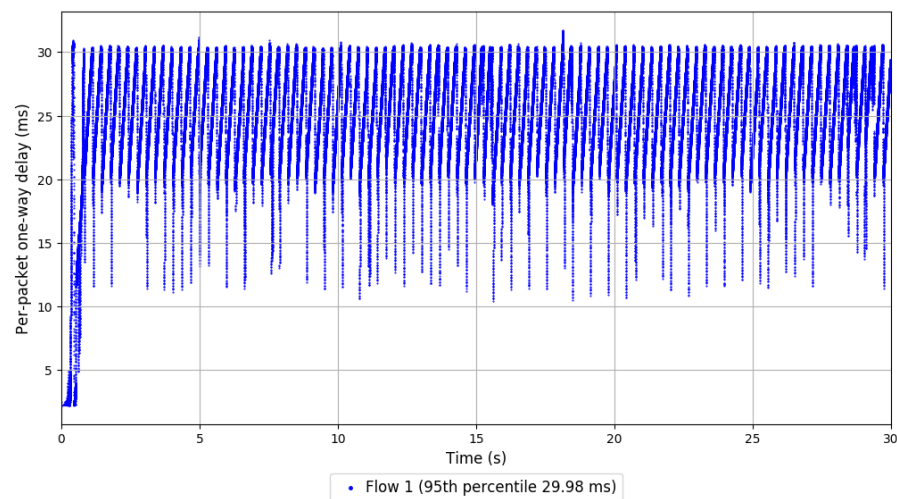
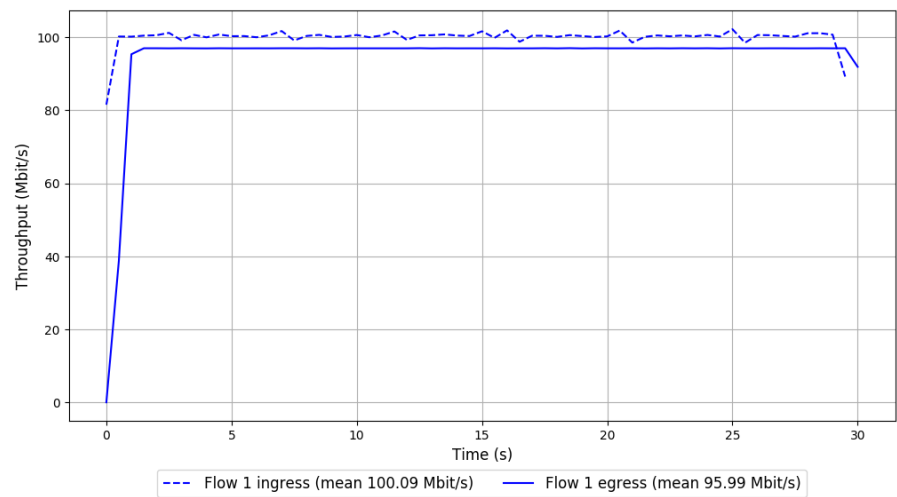


Run 6: Statistics of FillP

Start at: 2018-07-09 21:42:28
End at: 2018-07-09 21:42:58
Local clock offset: 4.519 ms
Remote clock offset: -2.638 ms

Below is generated by plot.py at 2018-07-09 23:17:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.99 Mbit/s
95th percentile per-packet one-way delay: 29.980 ms
Loss rate: 4.02%
-- Flow 1:
Average throughput: 95.99 Mbit/s
95th percentile per-packet one-way delay: 29.980 ms
Loss rate: 4.02%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-07-09 22:01:35

End at: 2018-07-09 22:02:05

Local clock offset: 3.892 ms

Remote clock offset: -2.83 ms

Below is generated by plot.py at 2018-07-09 23:17:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.86 Mbit/s

95th percentile per-packet one-way delay: 29.937 ms

Loss rate: 4.14%

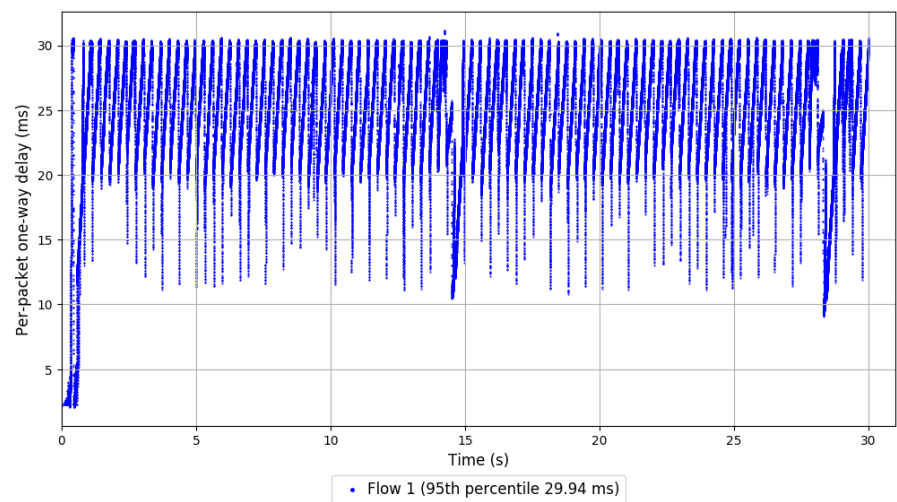
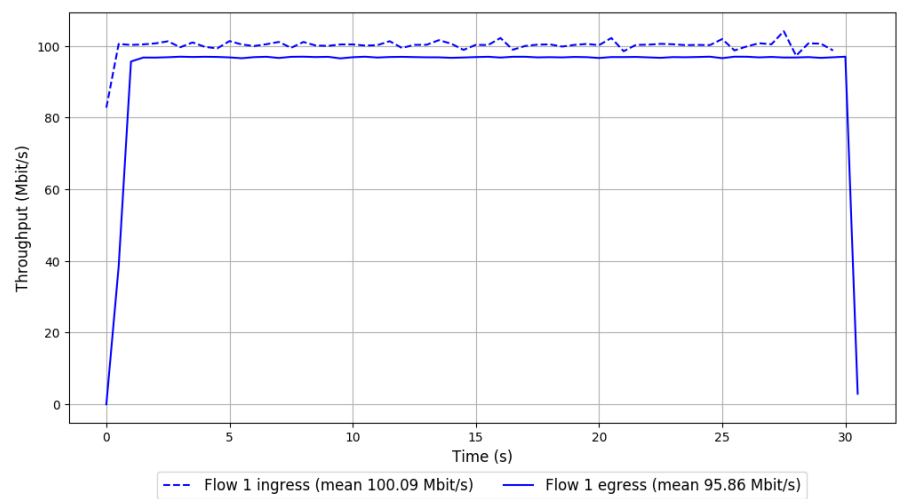
-- Flow 1:

Average throughput: 95.86 Mbit/s

95th percentile per-packet one-way delay: 29.937 ms

Loss rate: 4.14%

Run 7: Report of FillP — Data Link

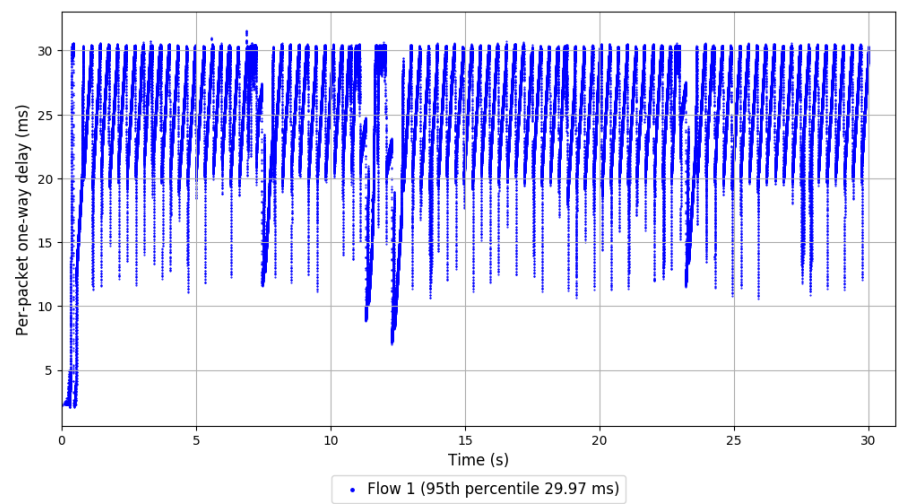
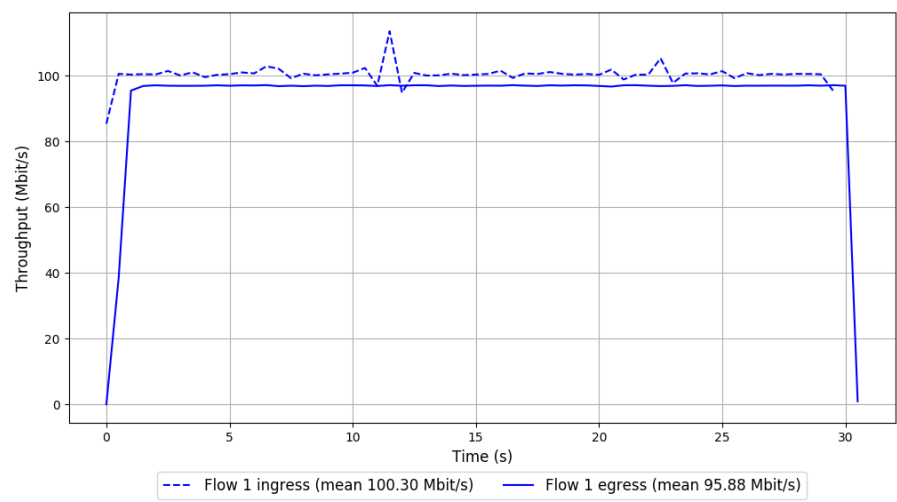


Run 8: Statistics of FillP

Start at: 2018-07-09 22:20:37
End at: 2018-07-09 22:21:07
Local clock offset: 3.178 ms
Remote clock offset: -1.446 ms

Below is generated by plot.py at 2018-07-09 23:17:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.88 Mbit/s
95th percentile per-packet one-way delay: 29.970 ms
Loss rate: 4.32%
-- Flow 1:
Average throughput: 95.88 Mbit/s
95th percentile per-packet one-way delay: 29.970 ms
Loss rate: 4.32%

Run 8: Report of FillP — Data Link

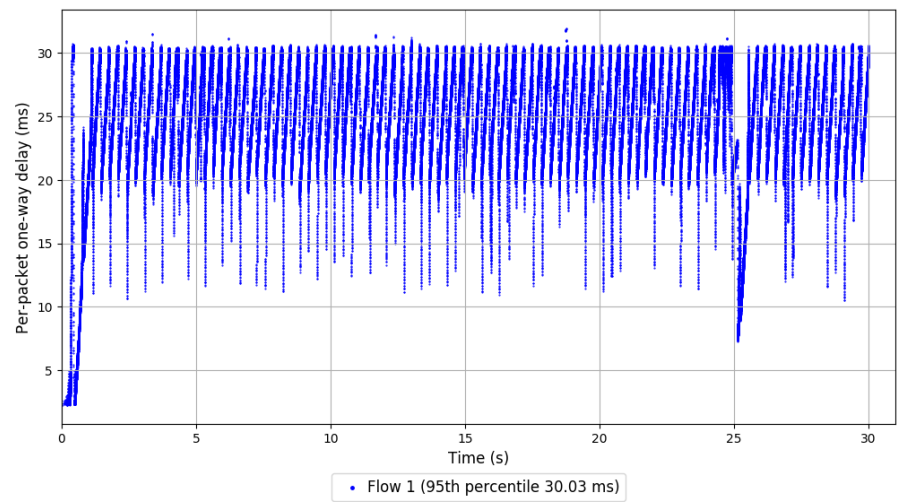
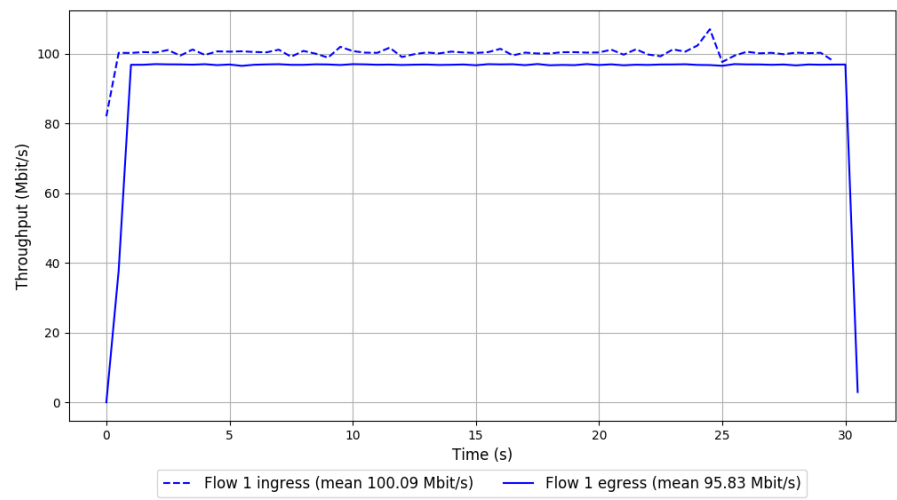


Run 9: Statistics of FillP

Start at: 2018-07-09 22:39:39
End at: 2018-07-09 22:40:09
Local clock offset: 3.126 ms
Remote clock offset: -1.489 ms

Below is generated by plot.py at 2018-07-09 23:18:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.83 Mbit/s
95th percentile per-packet one-way delay: 30.032 ms
Loss rate: 4.17%
-- Flow 1:
Average throughput: 95.83 Mbit/s
95th percentile per-packet one-way delay: 30.032 ms
Loss rate: 4.17%

Run 9: Report of FillP — Data Link

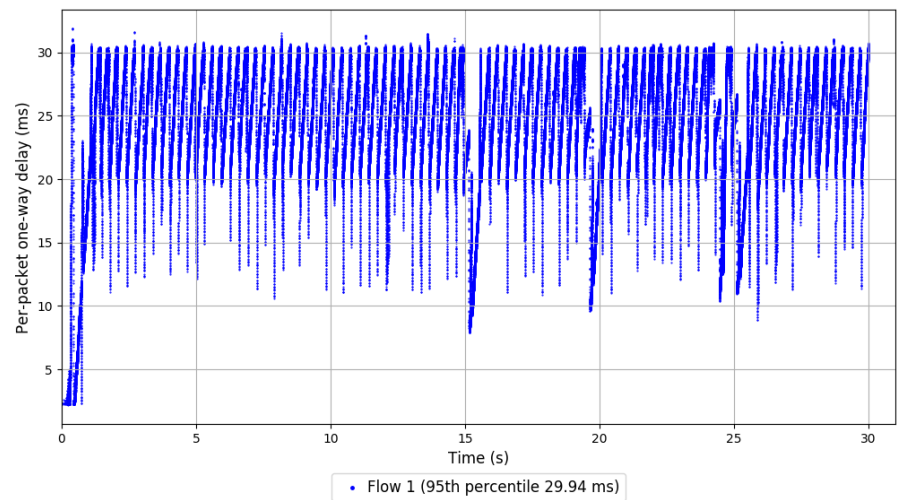
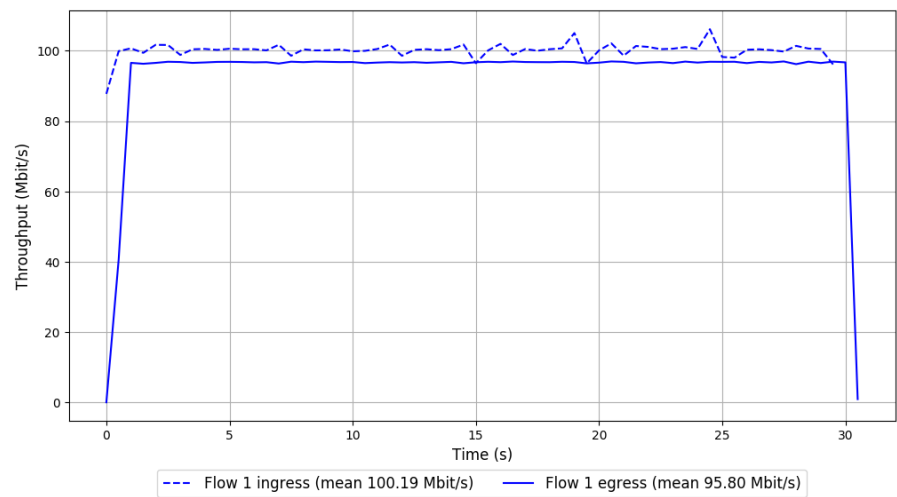


Run 10: Statistics of FillP

Start at: 2018-07-09 22:58:42
End at: 2018-07-09 22:59:12
Local clock offset: 2.963 ms
Remote clock offset: -2.745 ms

Below is generated by plot.py at 2018-07-09 23:18:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.80 Mbit/s
95th percentile per-packet one-way delay: 29.942 ms
Loss rate: 4.29%
-- Flow 1:
Average throughput: 95.80 Mbit/s
95th percentile per-packet one-way delay: 29.942 ms
Loss rate: 4.29%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-09 20:09:35

End at: 2018-07-09 20:10:05

Local clock offset: 3.406 ms

Remote clock offset: -2.129 ms

Below is generated by plot.py at 2018-07-09 23:18:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.34 Mbit/s

95th percentile per-packet one-way delay: 29.977 ms

Loss rate: 3.62%

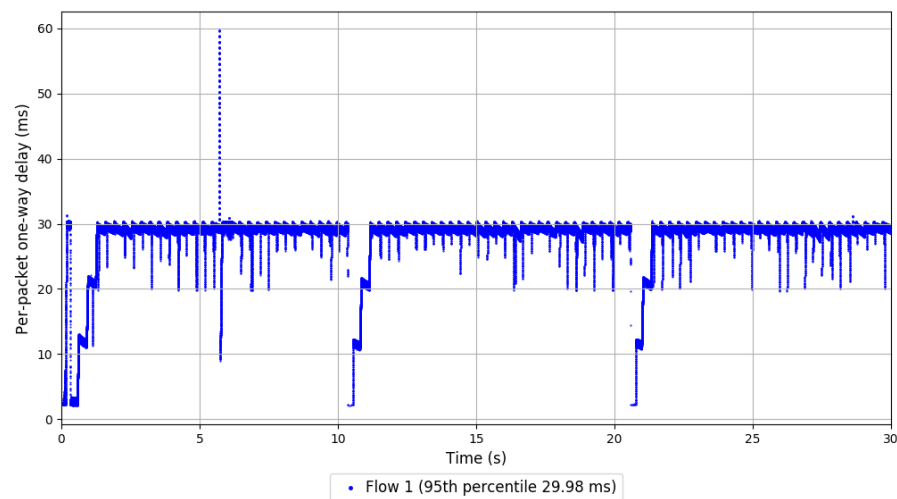
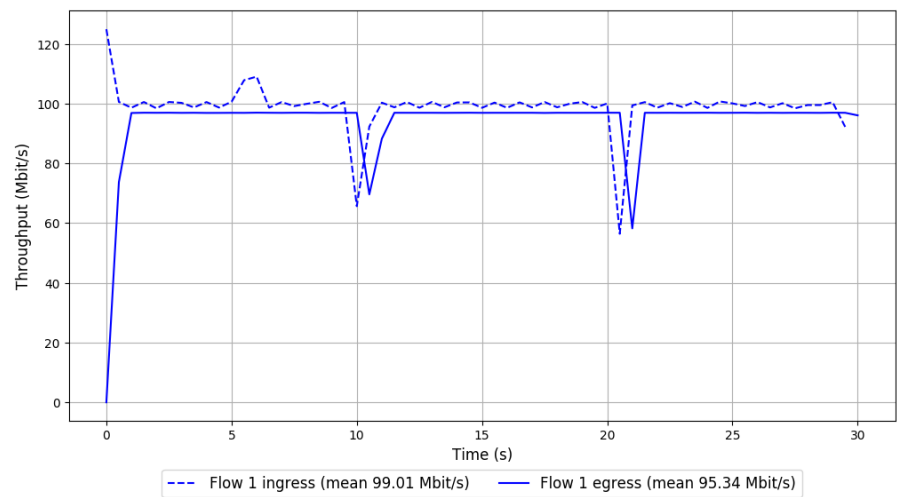
-- Flow 1:

Average throughput: 95.34 Mbit/s

95th percentile per-packet one-way delay: 29.977 ms

Loss rate: 3.62%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-07-09 20:28:34

End at: 2018-07-09 20:29:04

Local clock offset: 3.602 ms

Remote clock offset: -2.012 ms

Below is generated by plot.py at 2018-07-09 23:18:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.28 Mbit/s

95th percentile per-packet one-way delay: 30.076 ms

Loss rate: 3.65%

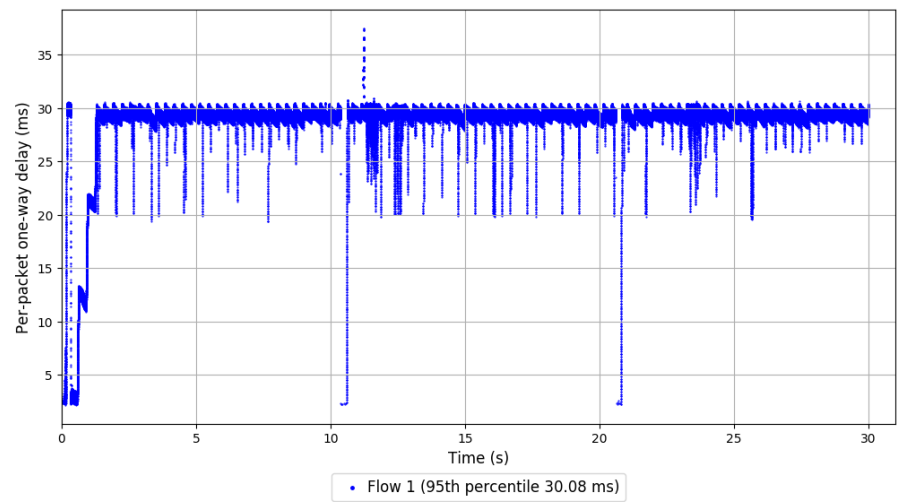
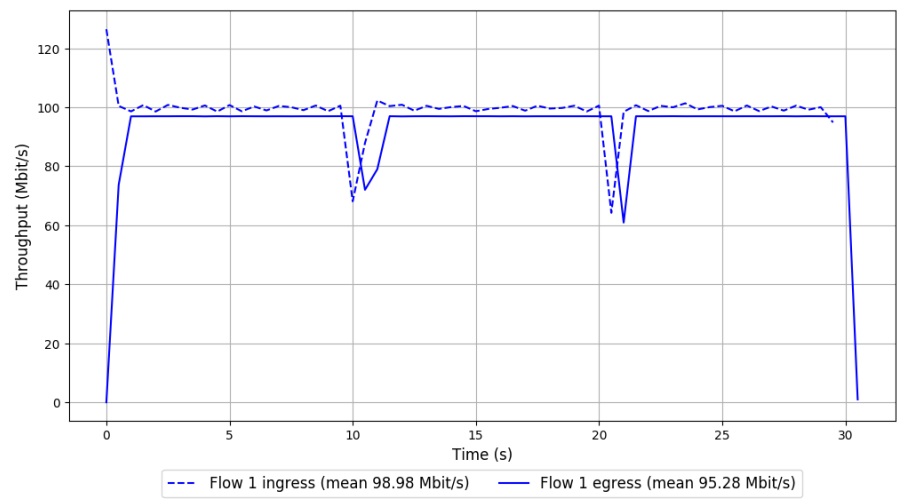
-- Flow 1:

Average throughput: 95.28 Mbit/s

95th percentile per-packet one-way delay: 30.076 ms

Loss rate: 3.65%

Run 2: Report of FillP-Sheep — Data Link

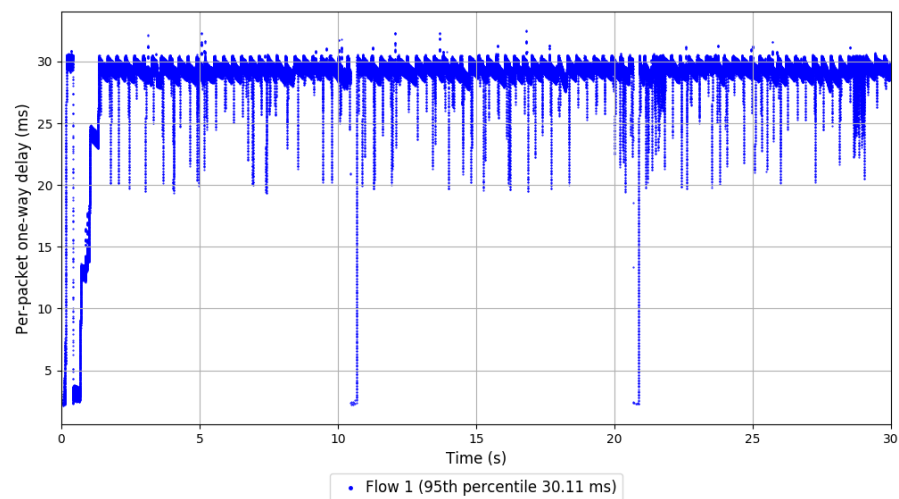
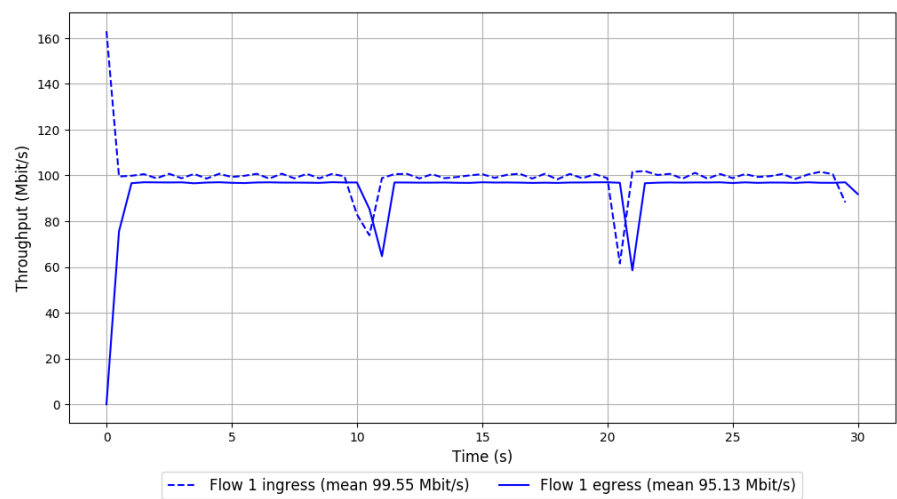


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-09 20:47:36
End at: 2018-07-09 20:48:06
Local clock offset: 2.047 ms
Remote clock offset: -1.771 ms

Below is generated by plot.py at 2018-07-09 23:18:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.13 Mbit/s
95th percentile per-packet one-way delay: 30.110 ms
Loss rate: 4.35%
-- Flow 1:
Average throughput: 95.13 Mbit/s
95th percentile per-packet one-way delay: 30.110 ms
Loss rate: 4.35%

Run 3: Report of FillP-Sheep — Data Link

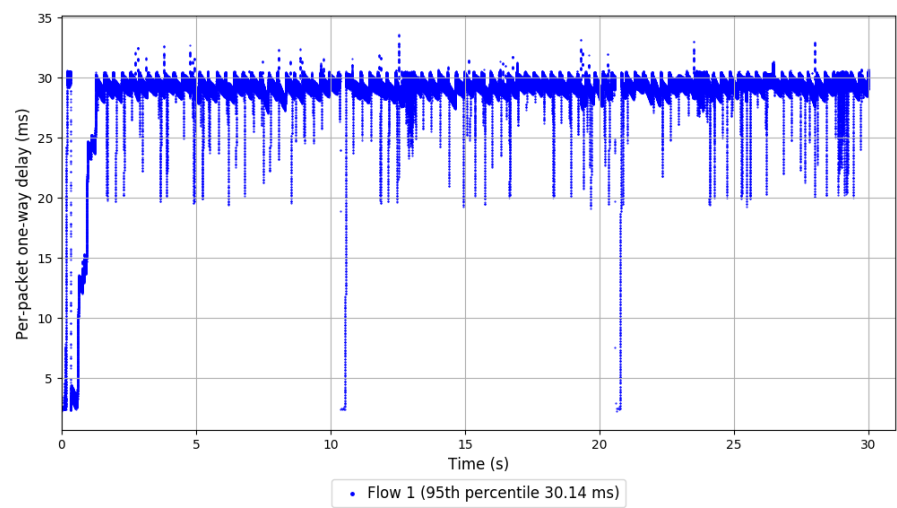
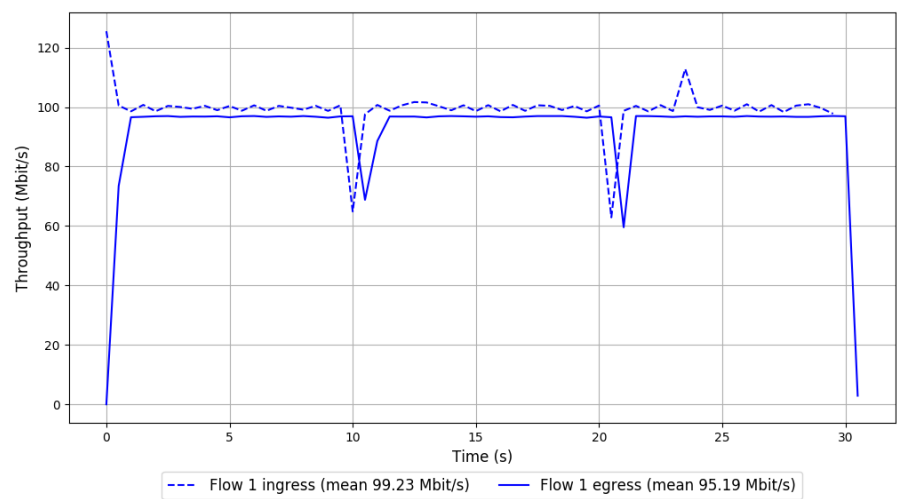


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-09 21:06:38
End at: 2018-07-09 21:07:08
Local clock offset: 2.461 ms
Remote clock offset: -2.018 ms

Below is generated by plot.py at 2018-07-09 23:18:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.19 Mbit/s
95th percentile per-packet one-way delay: 30.143 ms
Loss rate: 3.98%
-- Flow 1:
Average throughput: 95.19 Mbit/s
95th percentile per-packet one-way delay: 30.143 ms
Loss rate: 3.98%

Run 4: Report of FillP-Sheep — Data Link

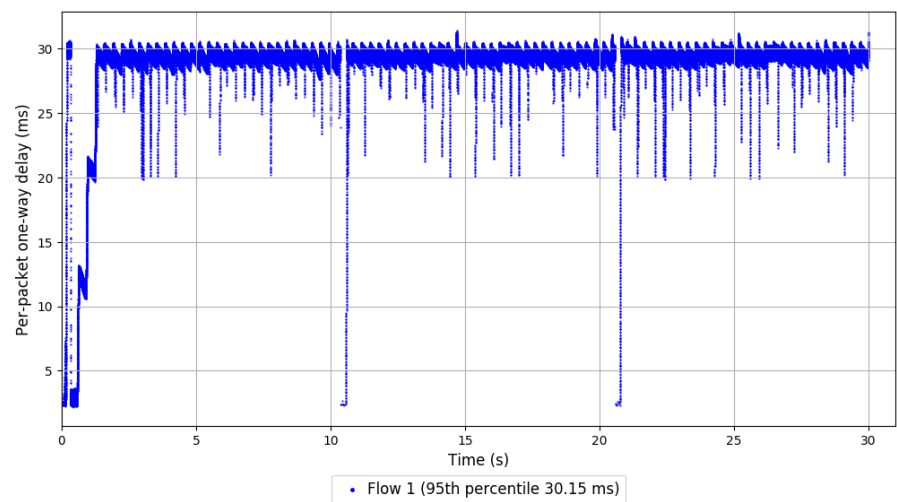
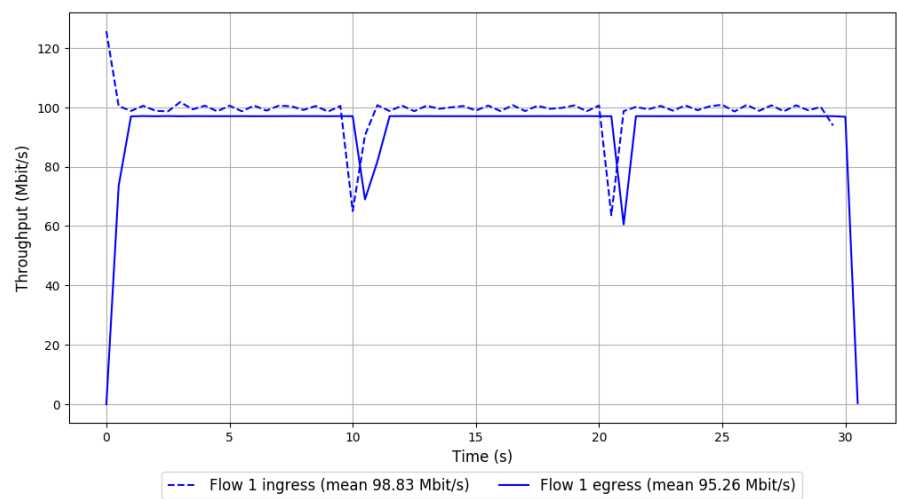


Run 5: Statistics of FillP-Sheep

Start at: 2018-07-09 21:25:41
End at: 2018-07-09 21:26:11
Local clock offset: 2.955 ms
Remote clock offset: -2.142 ms

Below is generated by plot.py at 2018-07-09 23:19:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.26 Mbit/s
95th percentile per-packet one-way delay: 30.154 ms
Loss rate: 3.52%
-- Flow 1:
Average throughput: 95.26 Mbit/s
95th percentile per-packet one-way delay: 30.154 ms
Loss rate: 3.52%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-09 21:44:43

End at: 2018-07-09 21:45:13

Local clock offset: 4.722 ms

Remote clock offset: -2.614 ms

Below is generated by plot.py at 2018-07-09 23:19:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.27 Mbit/s

95th percentile per-packet one-way delay: 30.149 ms

Loss rate: 3.51%

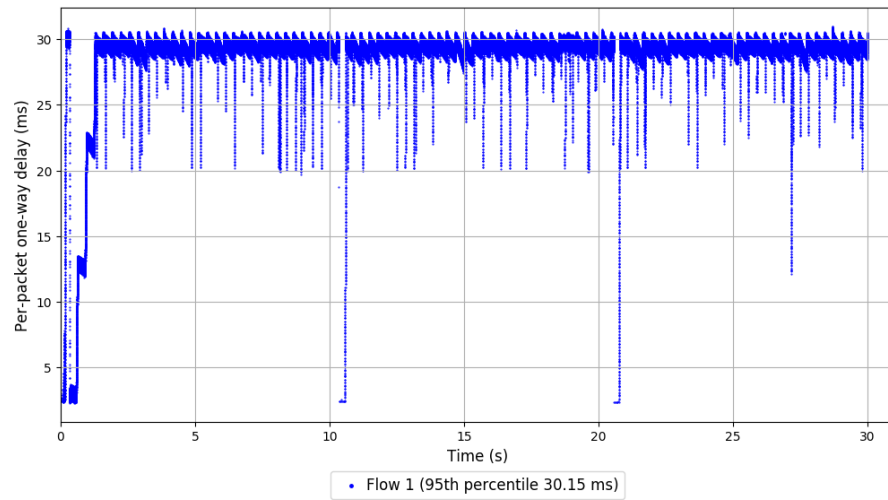
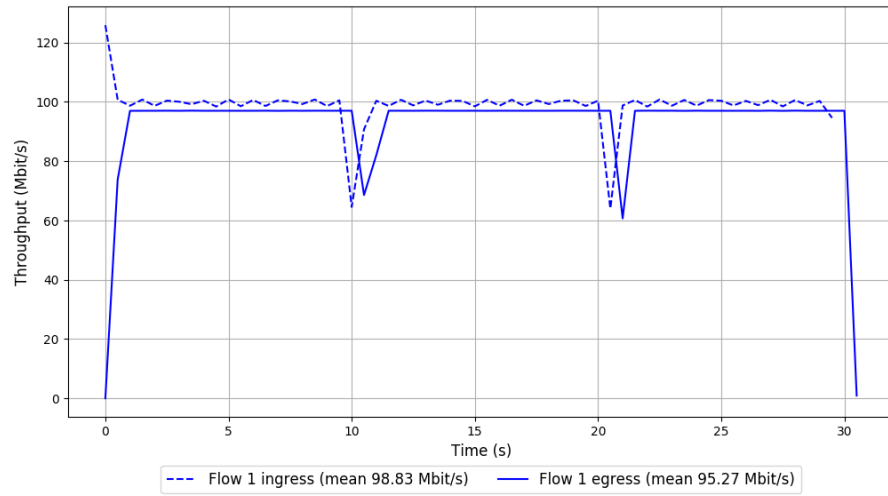
-- Flow 1:

Average throughput: 95.27 Mbit/s

95th percentile per-packet one-way delay: 30.149 ms

Loss rate: 3.51%

Run 6: Report of FillP-Sheep — Data Link

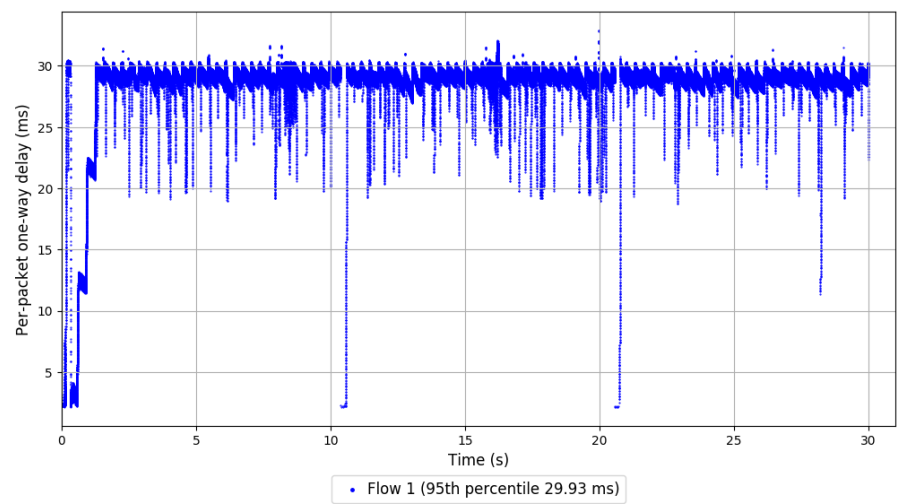
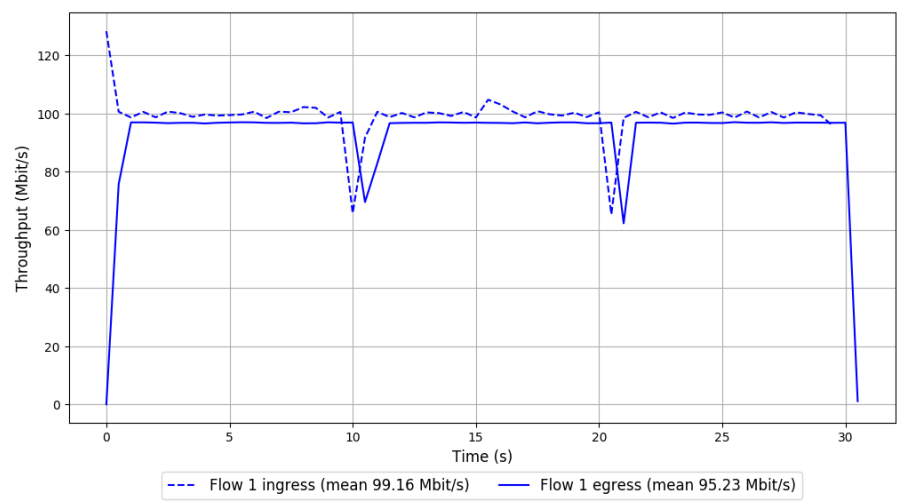


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-09 22:03:51
End at: 2018-07-09 22:04:21
Local clock offset: 3.843 ms
Remote clock offset: -2.804 ms

Below is generated by plot.py at 2018-07-09 23:20:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.23 Mbit/s
95th percentile per-packet one-way delay: 29.934 ms
Loss rate: 3.87%
-- Flow 1:
Average throughput: 95.23 Mbit/s
95th percentile per-packet one-way delay: 29.934 ms
Loss rate: 3.87%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-07-09 22:22:53

End at: 2018-07-09 22:23:23

Local clock offset: 3.08 ms

Remote clock offset: -1.395 ms

Below is generated by plot.py at 2018-07-09 23:20:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.20 Mbit/s

95th percentile per-packet one-way delay: 30.105 ms

Loss rate: 3.69%

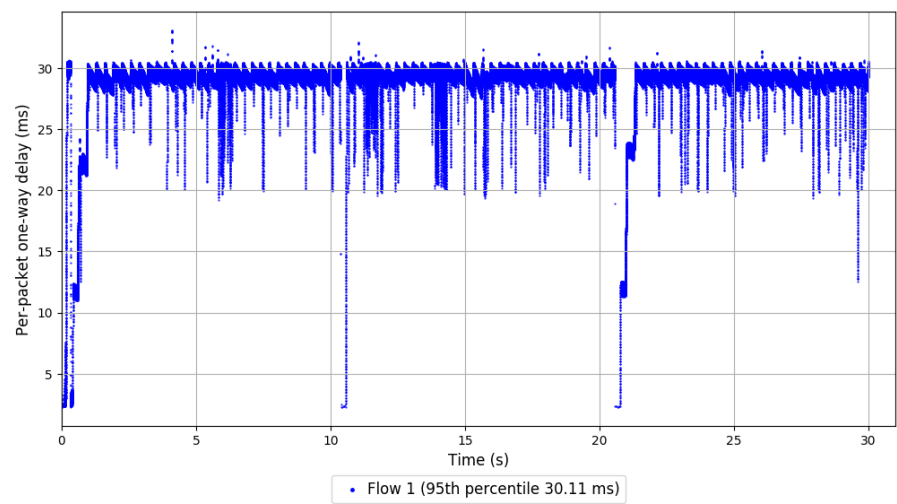
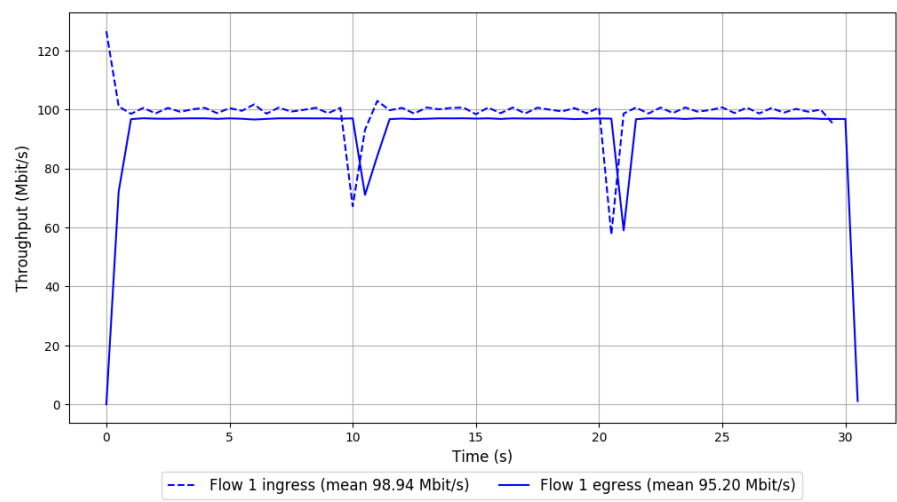
-- Flow 1:

Average throughput: 95.20 Mbit/s

95th percentile per-packet one-way delay: 30.105 ms

Loss rate: 3.69%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-09 22:41:55

End at: 2018-07-09 22:42:25

Local clock offset: 3.17 ms

Remote clock offset: -1.8 ms

Below is generated by plot.py at 2018-07-09 23:20:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.20 Mbit/s

95th percentile per-packet one-way delay: 30.163 ms

Loss rate: 4.33%

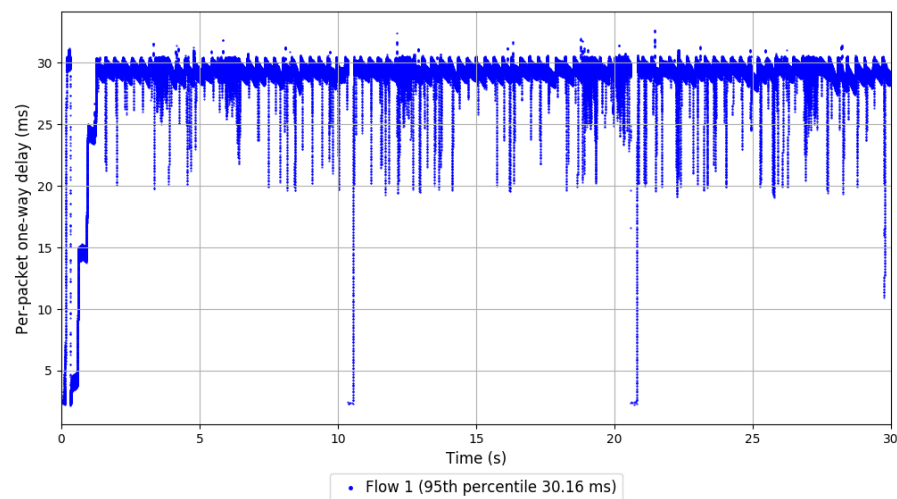
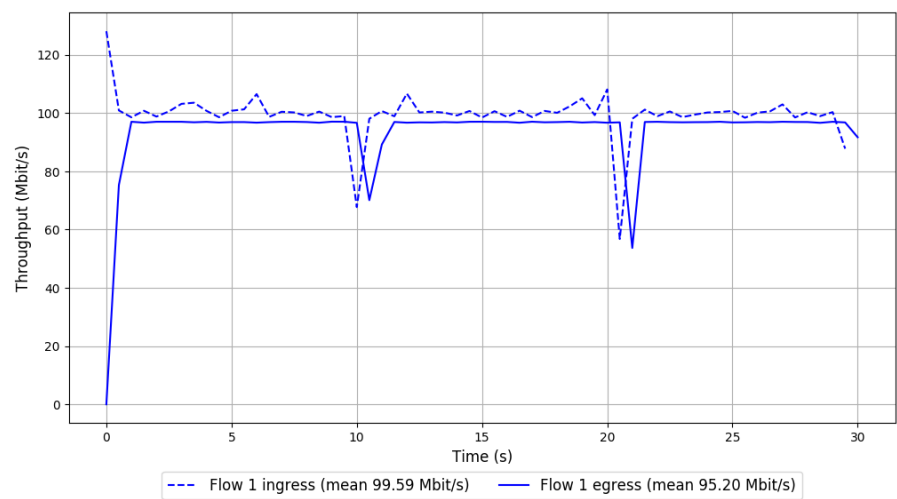
-- Flow 1:

Average throughput: 95.20 Mbit/s

95th percentile per-packet one-way delay: 30.163 ms

Loss rate: 4.33%

Run 9: Report of FillP-Sheep — Data Link

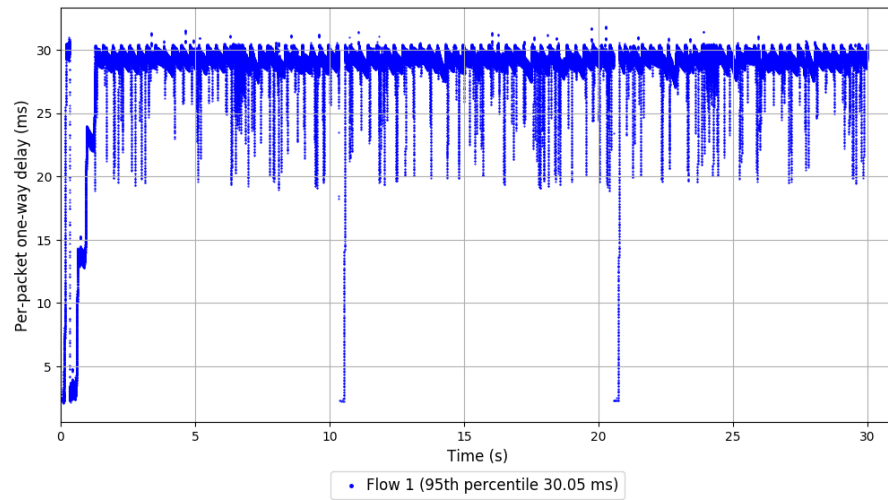
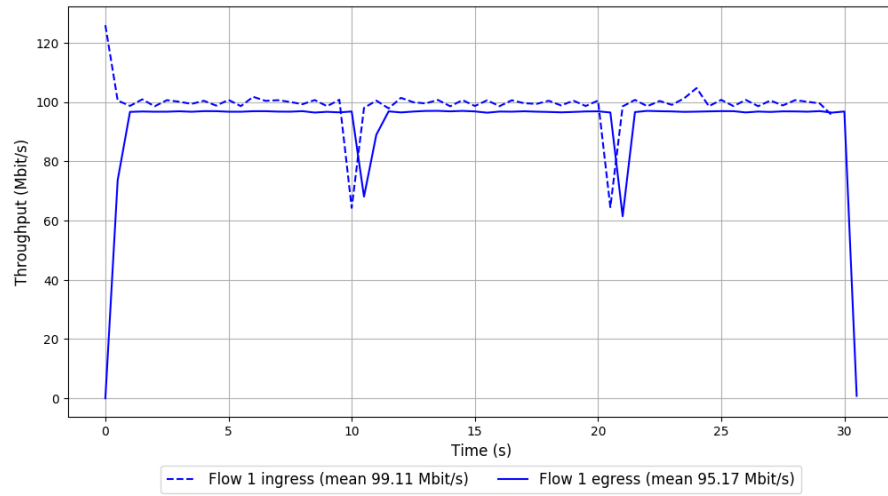


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-09 23:00:57
End at: 2018-07-09 23:01:27
Local clock offset: 2.902 ms
Remote clock offset: -2.795 ms

Below is generated by plot.py at 2018-07-09 23:20:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.17 Mbit/s
95th percentile per-packet one-way delay: 30.048 ms
Loss rate: 3.89%
-- Flow 1:
Average throughput: 95.17 Mbit/s
95th percentile per-packet one-way delay: 30.048 ms
Loss rate: 3.89%

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2018-07-09 20:08:27

End at: 2018-07-09 20:08:57

Local clock offset: 3.396 ms

Remote clock offset: -2.111 ms

Below is generated by plot.py at 2018-07-09 23:20:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.84 Mbit/s

95th percentile per-packet one-way delay: 5.171 ms

Loss rate: 0.00%

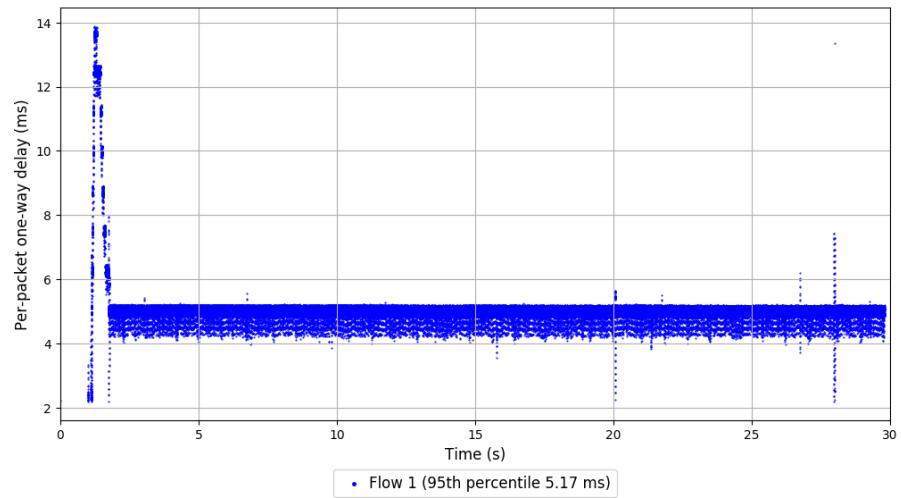
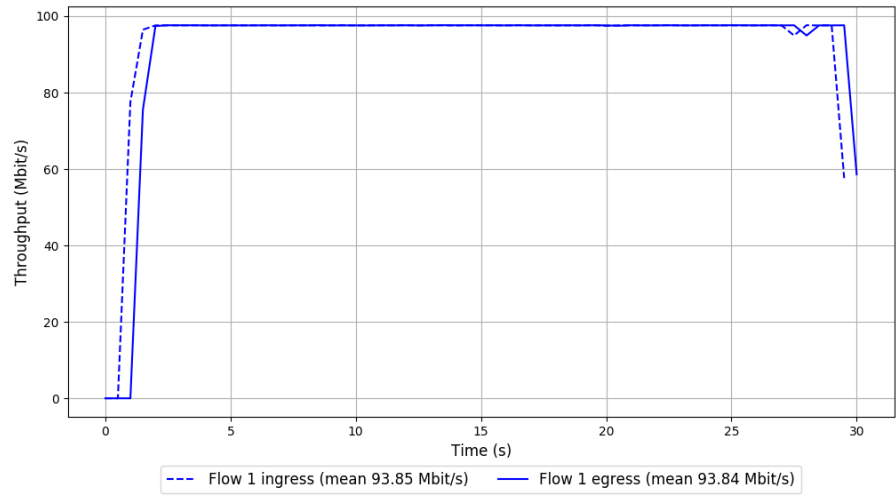
-- Flow 1:

Average throughput: 93.84 Mbit/s

95th percentile per-packet one-way delay: 5.171 ms

Loss rate: 0.00%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-07-09 20:27:25

End at: 2018-07-09 20:27:56

Local clock offset: 3.742 ms

Remote clock offset: -2.026 ms

Below is generated by plot.py at 2018-07-09 23:20:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.36 Mbit/s

95th percentile per-packet one-way delay: 5.119 ms

Loss rate: 0.00%

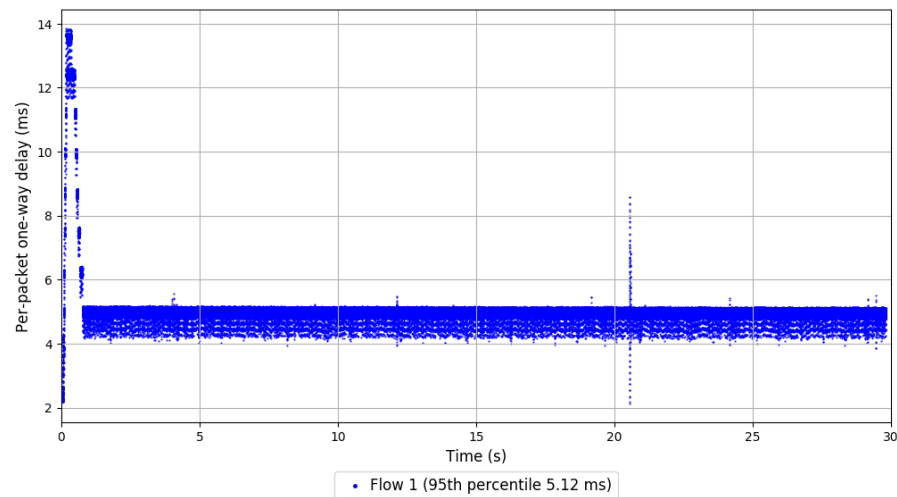
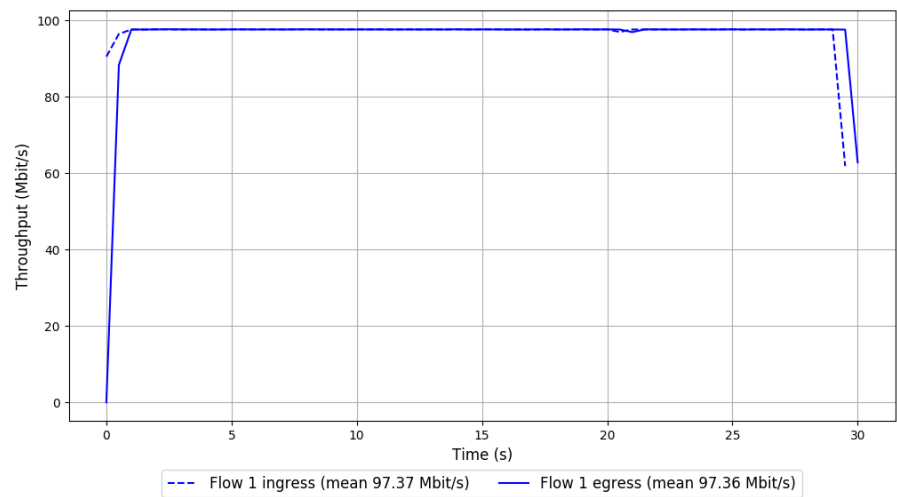
-- Flow 1:

Average throughput: 97.36 Mbit/s

95th percentile per-packet one-way delay: 5.119 ms

Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-09 20:46:28

End at: 2018-07-09 20:46:58

Local clock offset: 1.973 ms

Remote clock offset: -1.801 ms

Below is generated by plot.py at 2018-07-09 23:20:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.05 Mbit/s

95th percentile per-packet one-way delay: 5.263 ms

Loss rate: 0.00%

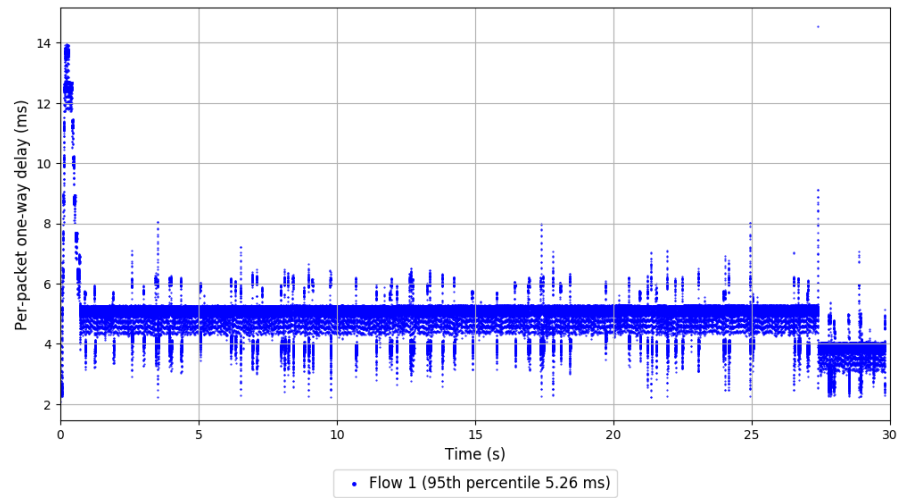
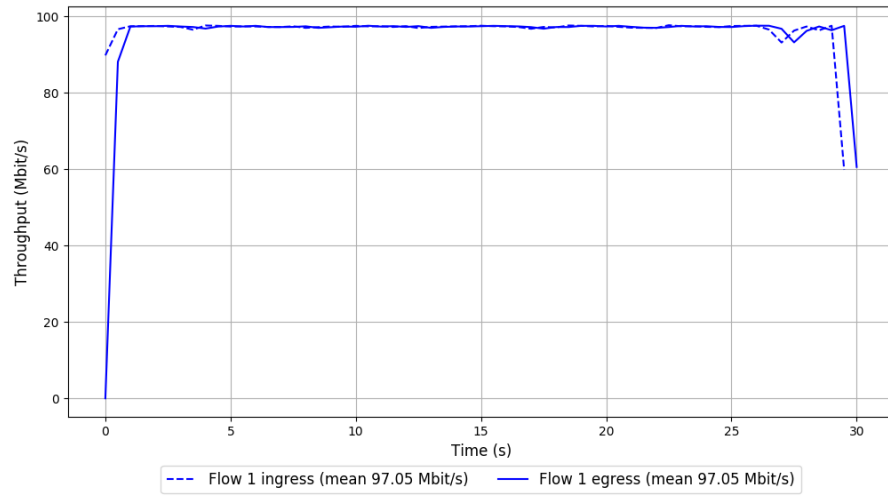
-- Flow 1:

Average throughput: 97.05 Mbit/s

95th percentile per-packet one-way delay: 5.263 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

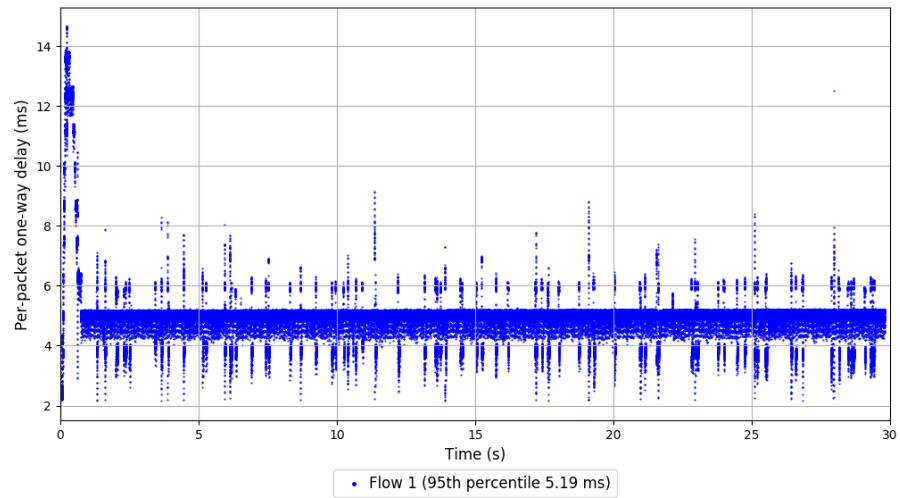
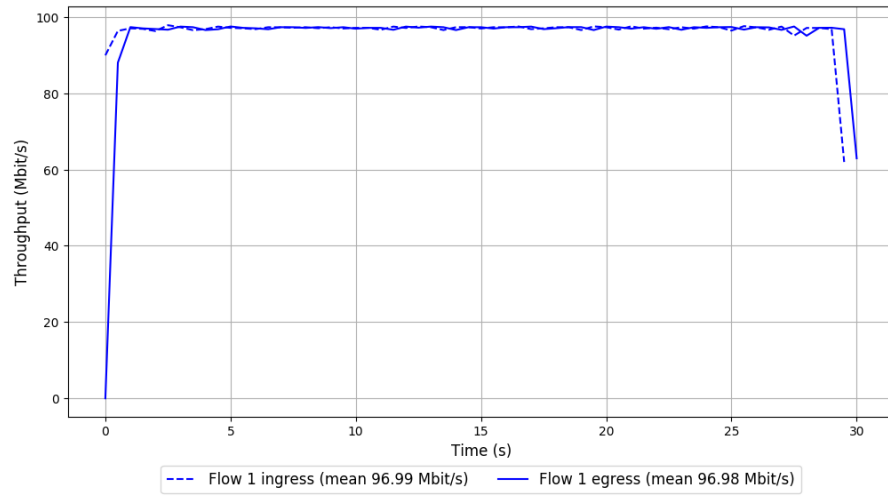


Run 4: Statistics of Indigo

Start at: 2018-07-09 21:05:30
End at: 2018-07-09 21:06:00
Local clock offset: 2.444 ms
Remote clock offset: -2.076 ms

Below is generated by plot.py at 2018-07-09 23:20:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.98 Mbit/s
95th percentile per-packet one-way delay: 5.193 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.98 Mbit/s
95th percentile per-packet one-way delay: 5.193 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-09 21:24:33

End at: 2018-07-09 21:25:03

Local clock offset: 2.838 ms

Remote clock offset: -2.206 ms

Below is generated by plot.py at 2018-07-09 23:21:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.34 Mbit/s

95th percentile per-packet one-way delay: 5.232 ms

Loss rate: 0.00%

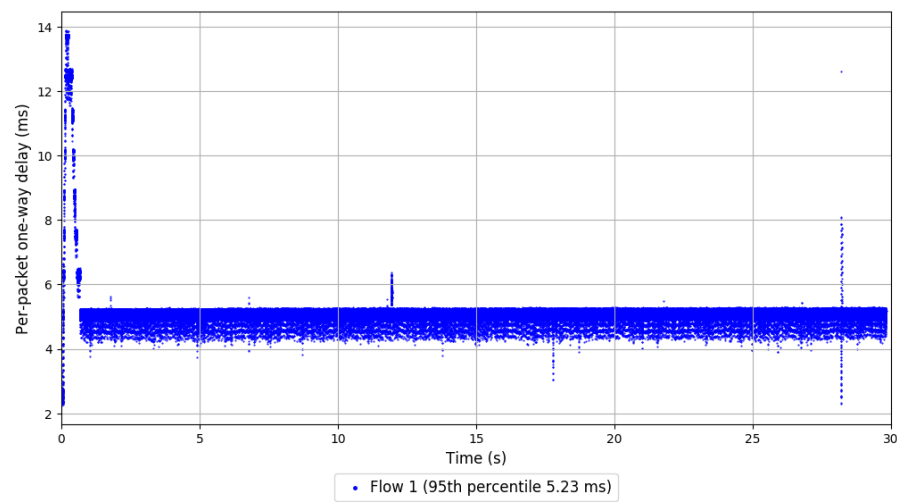
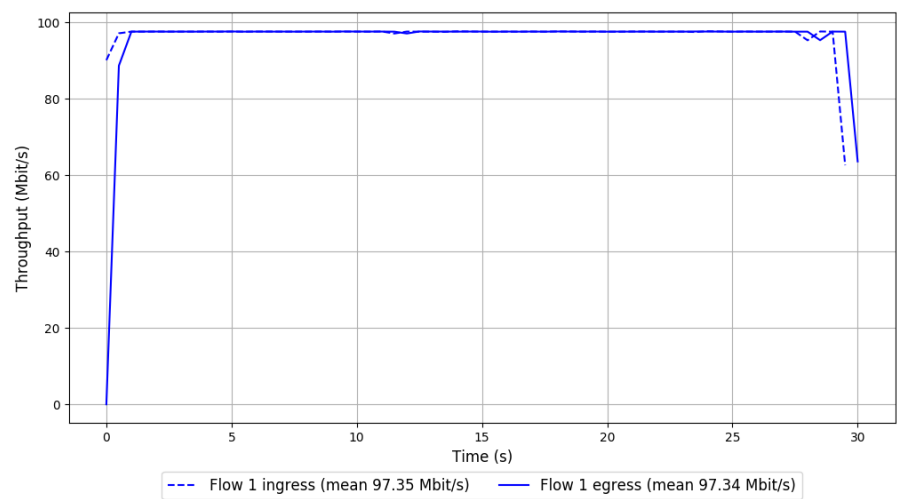
-- Flow 1:

Average throughput: 97.34 Mbit/s

95th percentile per-packet one-way delay: 5.232 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

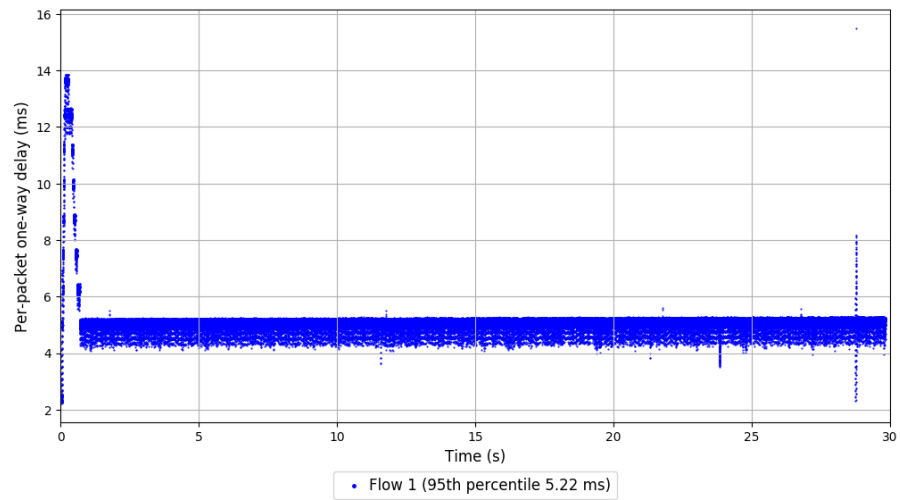
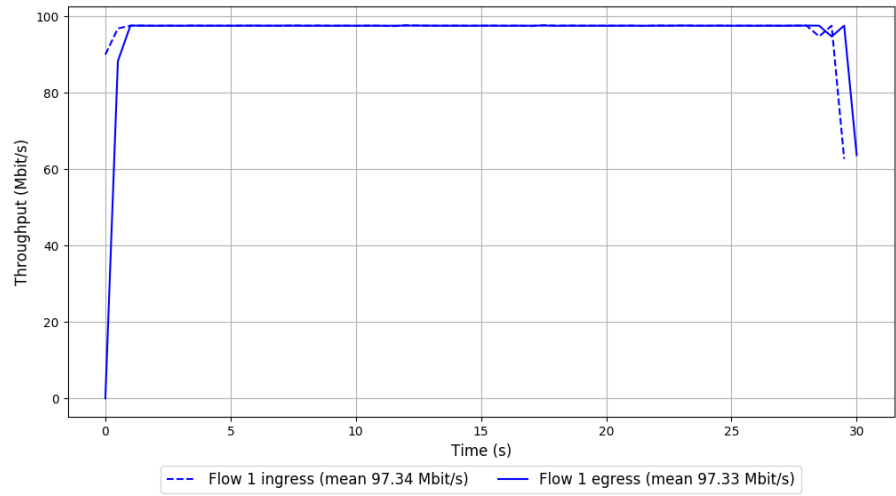


Run 6: Statistics of Indigo

Start at: 2018-07-09 21:43:35
End at: 2018-07-09 21:44:05
Local clock offset: 4.642 ms
Remote clock offset: -2.669 ms

Below is generated by plot.py at 2018-07-09 23:21:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.33 Mbit/s
95th percentile per-packet one-way delay: 5.220 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.33 Mbit/s
95th percentile per-packet one-way delay: 5.220 ms
Loss rate: 0.00%

Run 6: Report of Indigo — Data Link

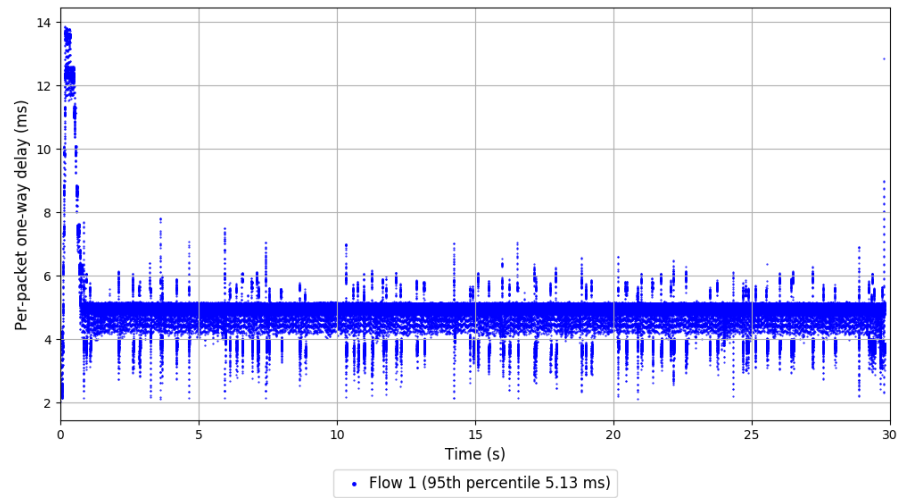
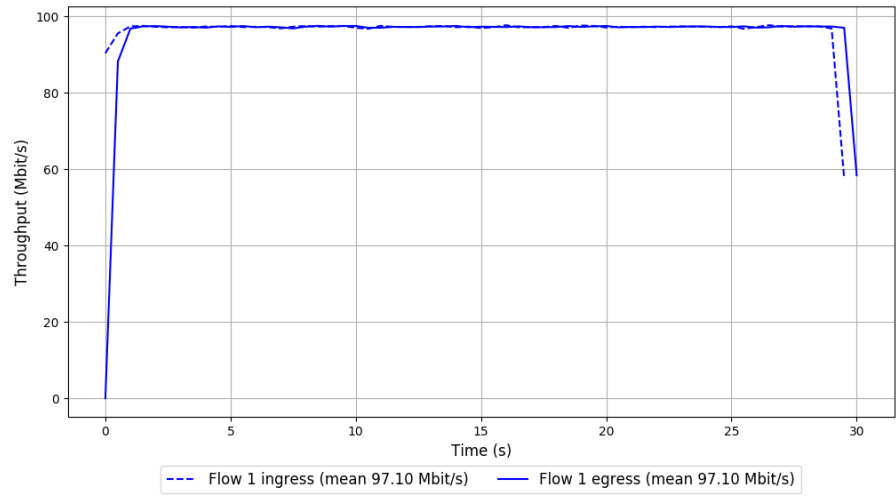


Run 7: Statistics of Indigo

Start at: 2018-07-09 22:02:42
End at: 2018-07-09 22:03:12
Local clock offset: 3.845 ms
Remote clock offset: -2.946 ms

Below is generated by plot.py at 2018-07-09 23:21:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 5.128 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 5.128 ms
Loss rate: 0.00%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-07-09 22:21:44

End at: 2018-07-09 22:22:14

Local clock offset: 3.161 ms

Remote clock offset: -1.414 ms

Below is generated by plot.py at 2018-07-09 23:21:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.90 Mbit/s

95th percentile per-packet one-way delay: 5.170 ms

Loss rate: 0.00%

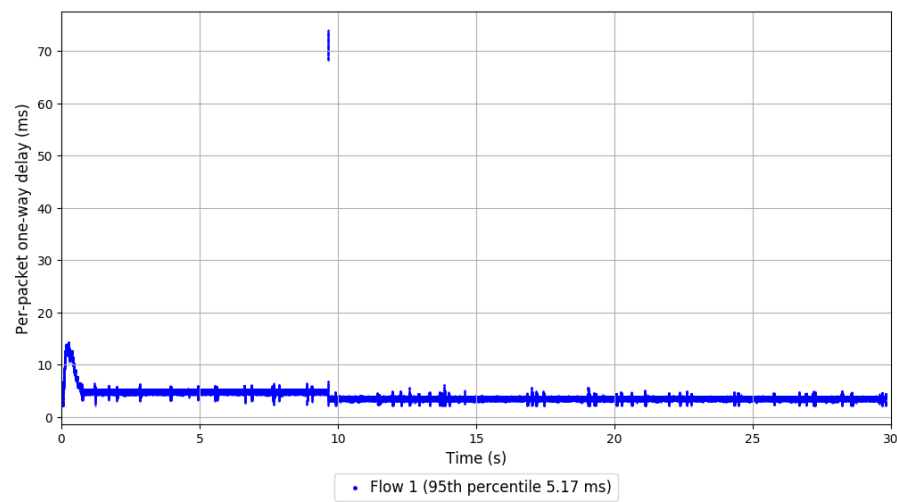
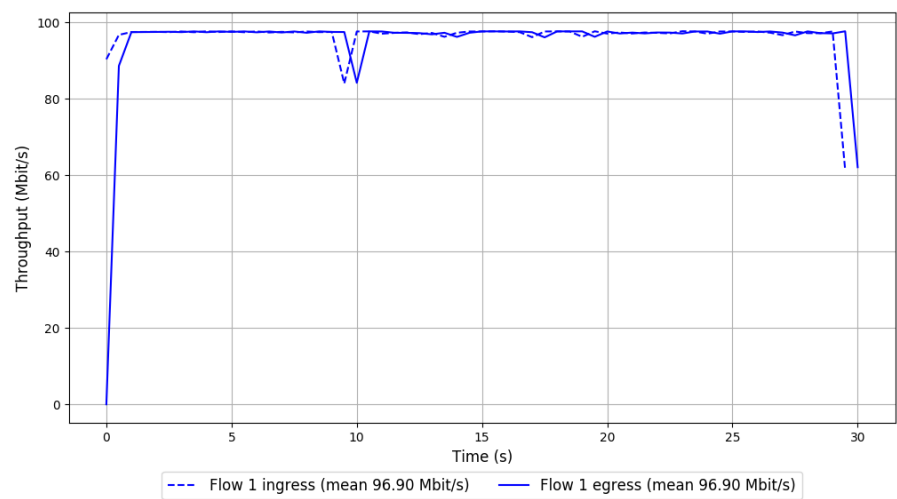
-- Flow 1:

Average throughput: 96.90 Mbit/s

95th percentile per-packet one-way delay: 5.170 ms

Loss rate: 0.00%

Run 8: Report of Indigo — Data Link

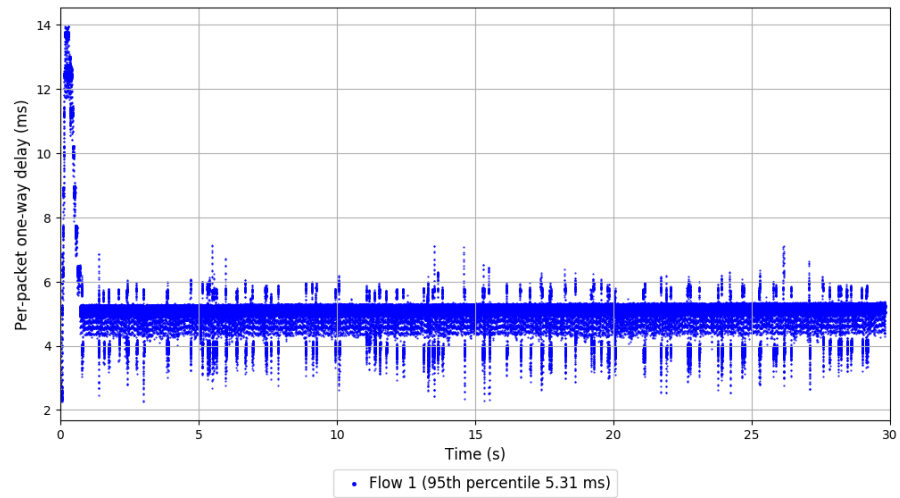
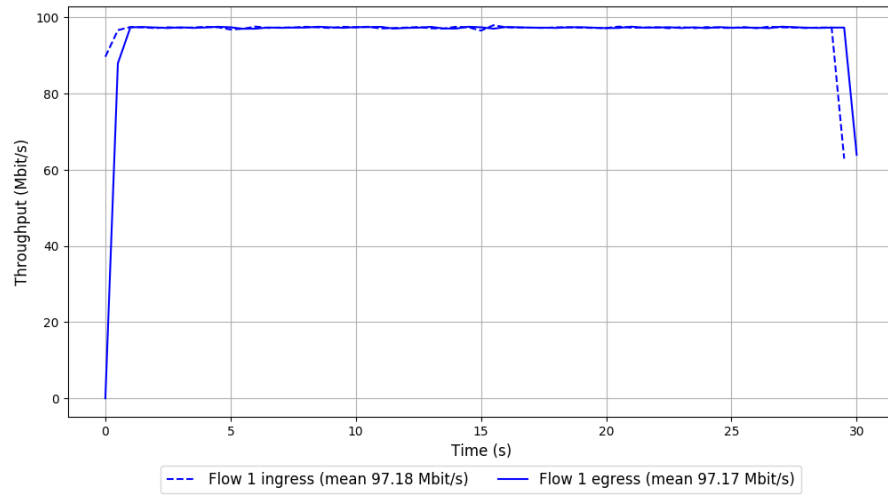


Run 9: Statistics of Indigo

Start at: 2018-07-09 22:40:46
End at: 2018-07-09 22:41:16
Local clock offset: 3.141 ms
Remote clock offset: -1.659 ms

Below is generated by plot.py at 2018-07-09 23:21:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 5.310 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 5.310 ms
Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-09 22:59:48

End at: 2018-07-09 23:00:18

Local clock offset: 2.9 ms

Remote clock offset: -2.771 ms

Below is generated by plot.py at 2018-07-09 23:21:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.08 Mbit/s

95th percentile per-packet one-way delay: 5.389 ms

Loss rate: 0.00%

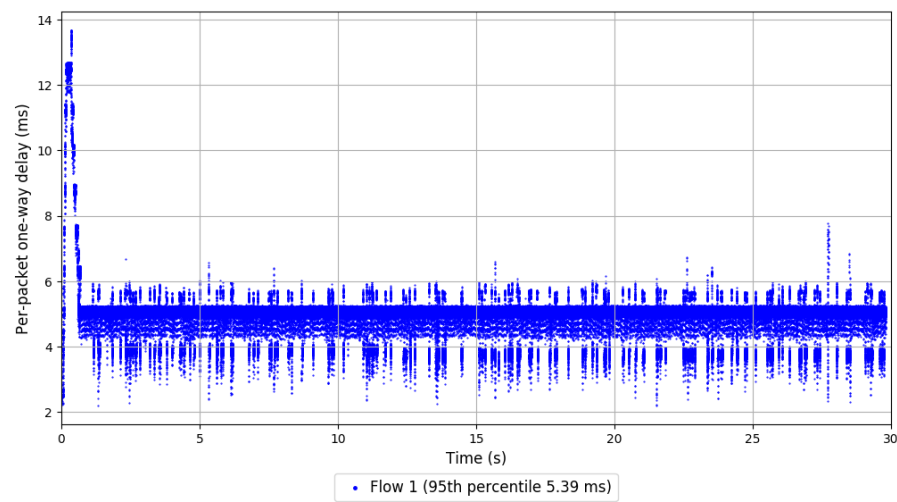
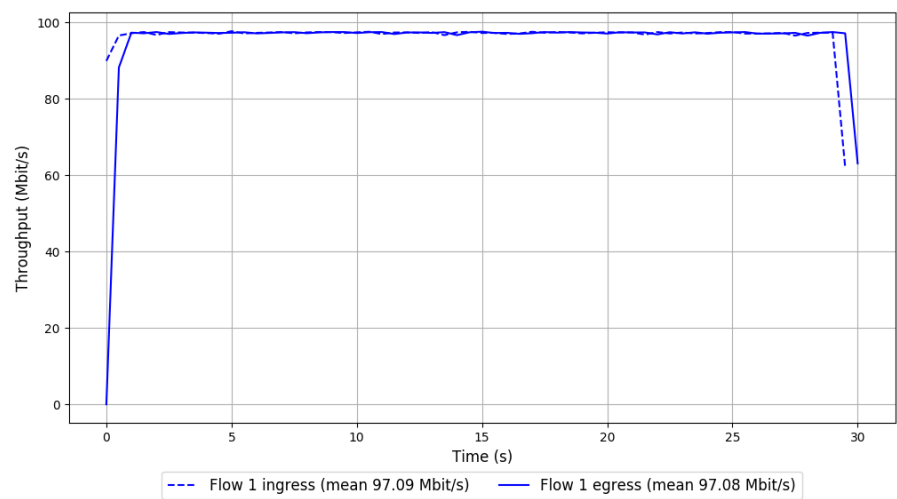
-- Flow 1:

Average throughput: 97.08 Mbit/s

95th percentile per-packet one-way delay: 5.389 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link



Run 1: Statistics of LEDBAT

Start at: 2018-07-09 20:05:06

End at: 2018-07-09 20:05:36

Local clock offset: 4.008 ms

Remote clock offset: -2.057 ms

Below is generated by plot.py at 2018-07-09 23:21:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.12 Mbit/s

95th percentile per-packet one-way delay: 31.762 ms

Loss rate: 0.01%

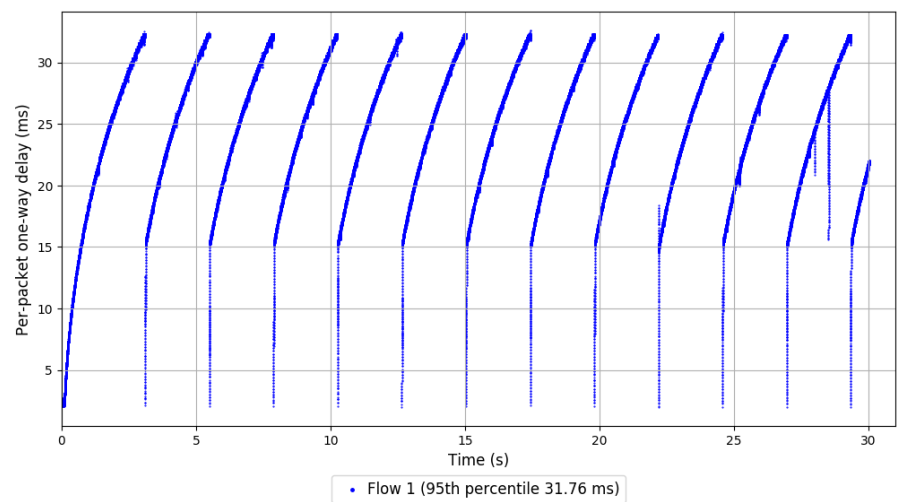
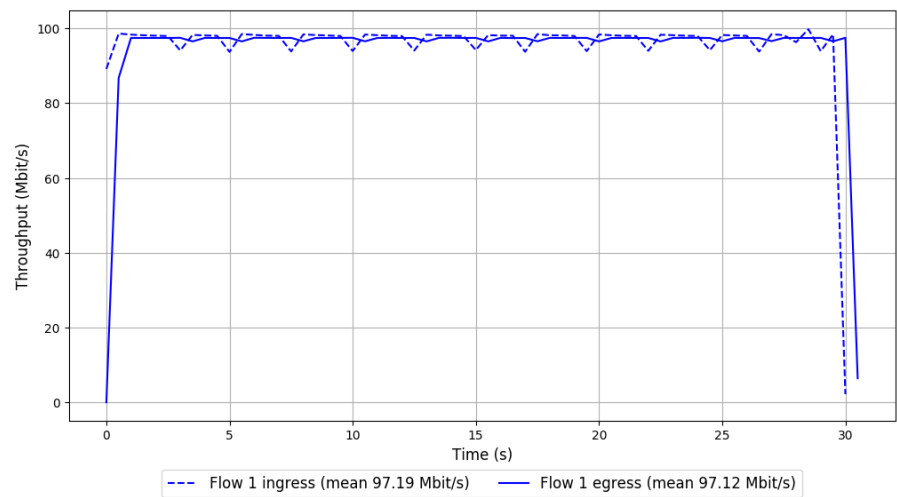
-- Flow 1:

Average throughput: 97.12 Mbit/s

95th percentile per-packet one-way delay: 31.762 ms

Loss rate: 0.01%

Run 1: Report of LEDBAT — Data Link

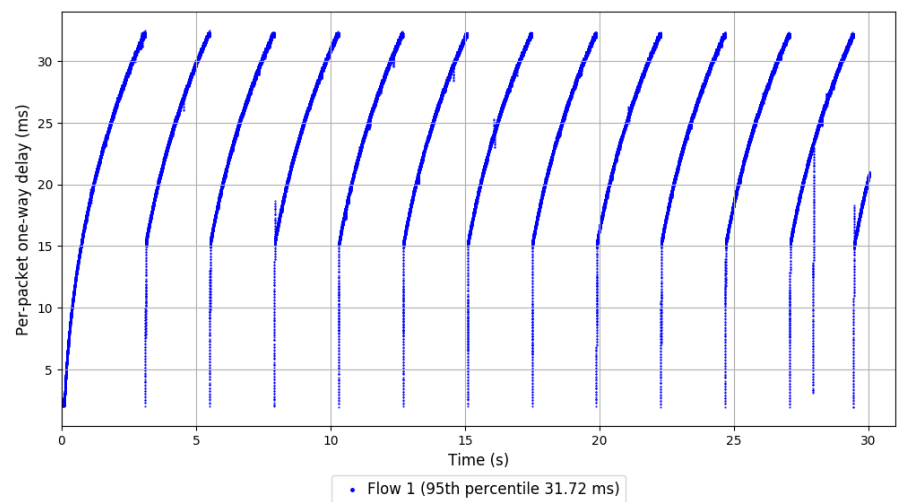
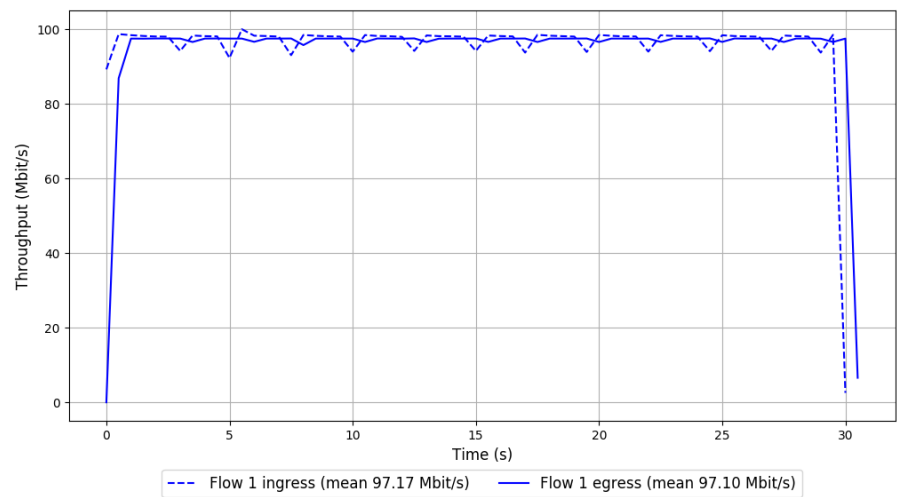


Run 2: Statistics of LEDBAT

Start at: 2018-07-09 20:24:05
End at: 2018-07-09 20:24:35
Local clock offset: 4.239 ms
Remote clock offset: -2.187 ms

Below is generated by plot.py at 2018-07-09 23:21:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 31.724 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 31.724 ms
Loss rate: 0.01%

Run 2: Report of LEDBAT — Data Link

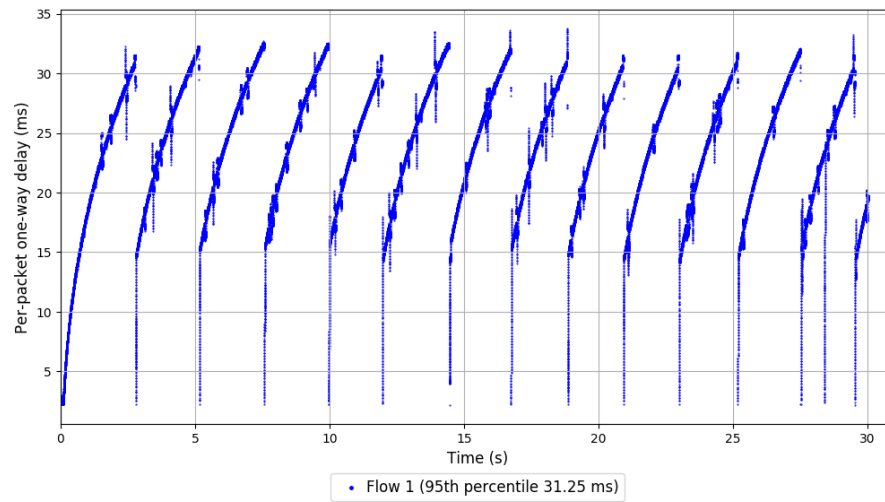
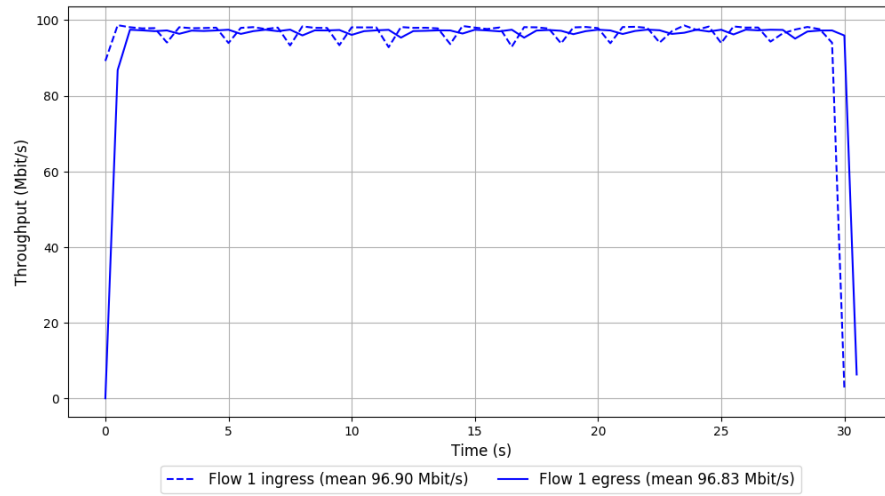


Run 3: Statistics of LEDBAT

Start at: 2018-07-09 20:43:07
End at: 2018-07-09 20:43:37
Local clock offset: 1.922 ms
Remote clock offset: -1.799 ms

Below is generated by plot.py at 2018-07-09 23:22:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.83 Mbit/s
95th percentile per-packet one-way delay: 31.245 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 96.83 Mbit/s
95th percentile per-packet one-way delay: 31.245 ms
Loss rate: 0.02%

Run 3: Report of LEDBAT — Data Link

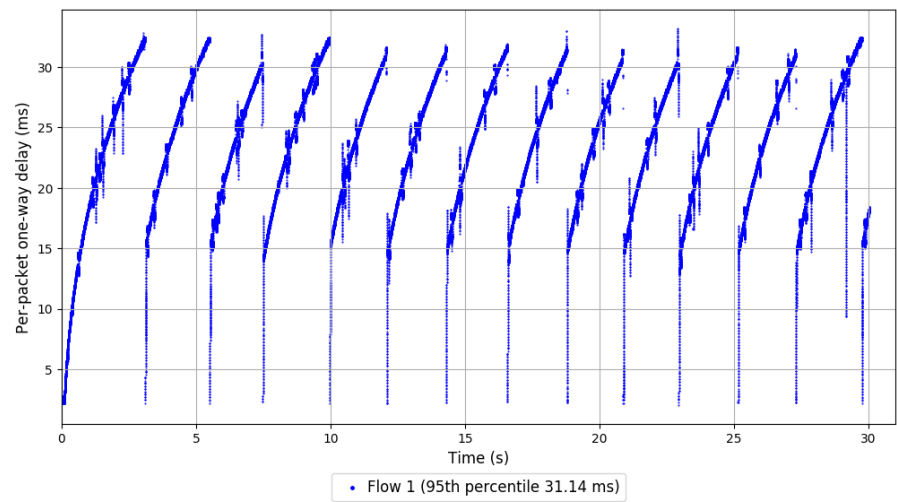
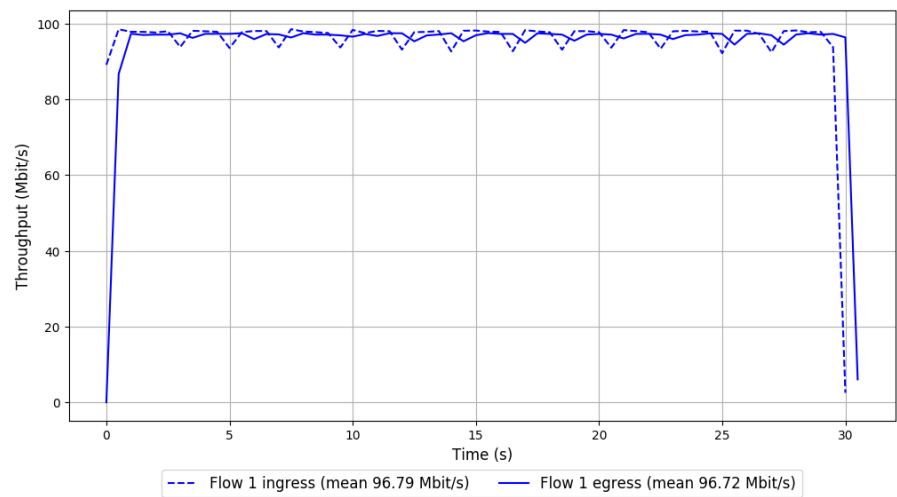


Run 4: Statistics of LEDBAT

Start at: 2018-07-09 21:02:09
End at: 2018-07-09 21:02:39
Local clock offset: 2.349 ms
Remote clock offset: -2.041 ms

Below is generated by plot.py at 2018-07-09 23:22:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.72 Mbit/s
95th percentile per-packet one-way delay: 31.139 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 96.72 Mbit/s
95th percentile per-packet one-way delay: 31.139 ms
Loss rate: 0.02%

Run 4: Report of LEDBAT — Data Link

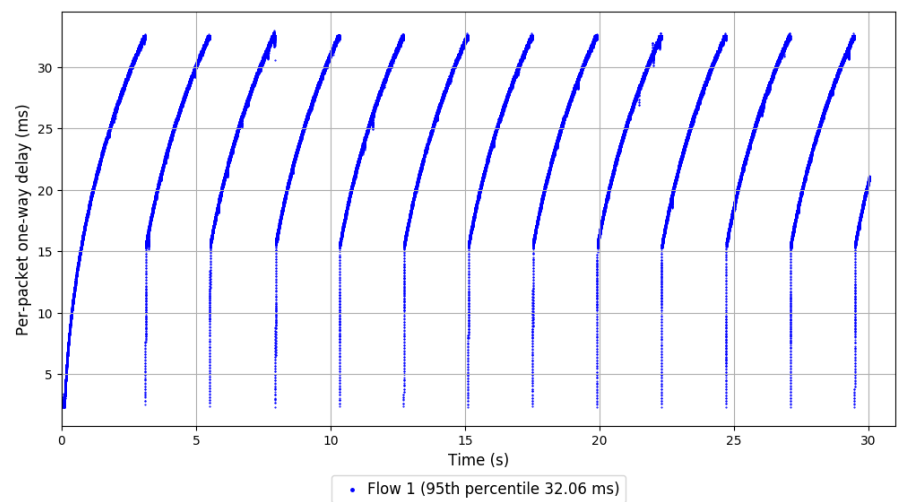
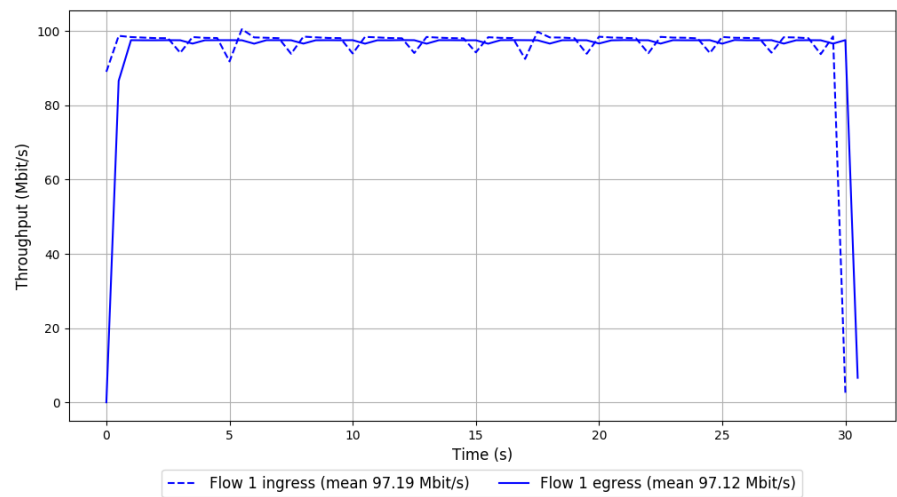


Run 5: Statistics of LEDBAT

Start at: 2018-07-09 21:21:12
End at: 2018-07-09 21:21:42
Local clock offset: 2.713 ms
Remote clock offset: -2.098 ms

Below is generated by plot.py at 2018-07-09 23:22:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 32.056 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 32.056 ms
Loss rate: 0.01%

Run 5: Report of LEDBAT — Data Link

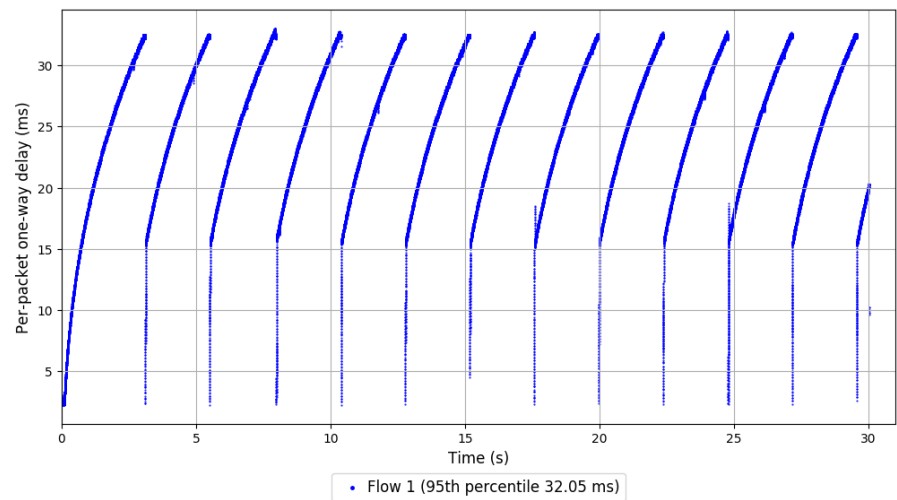
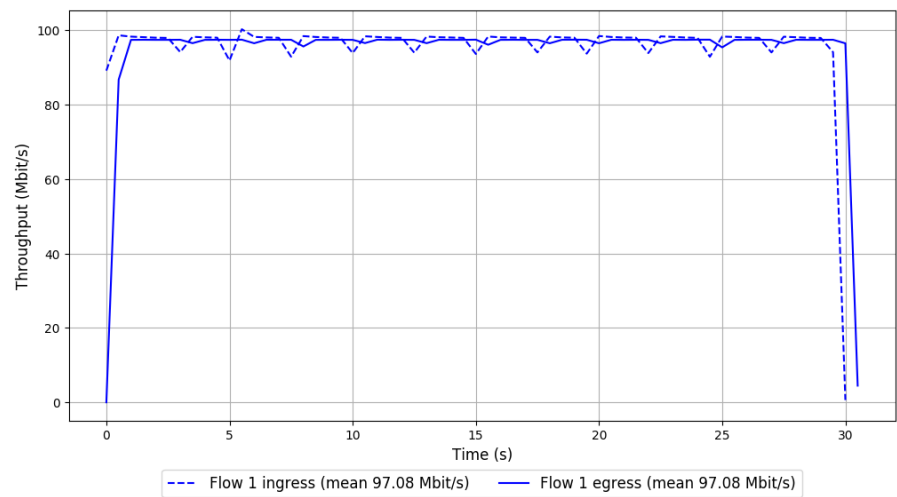


Run 6: Statistics of LEDBAT

Start at: 2018-07-09 21:40:14
End at: 2018-07-09 21:40:44
Local clock offset: 4.272 ms
Remote clock offset: -2.592 ms

Below is generated by plot.py at 2018-07-09 23:22:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 32.052 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 32.052 ms
Loss rate: 0.01%

Run 6: Report of LEDBAT — Data Link

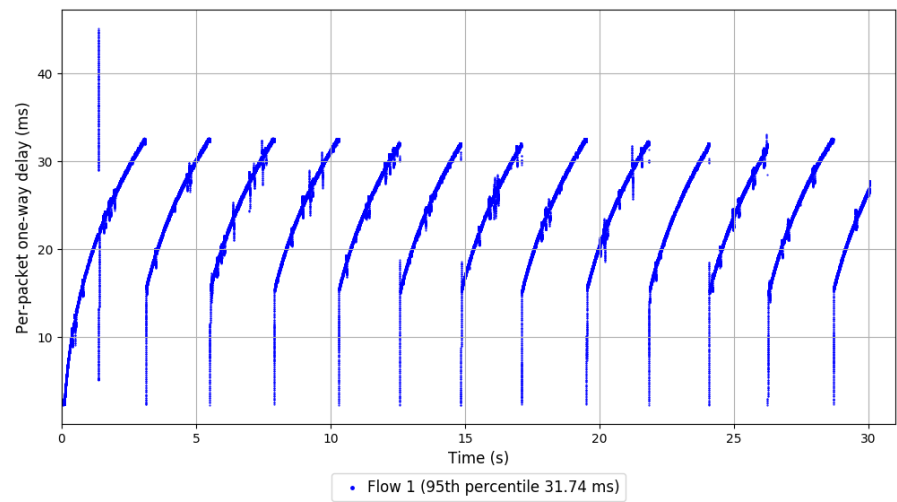
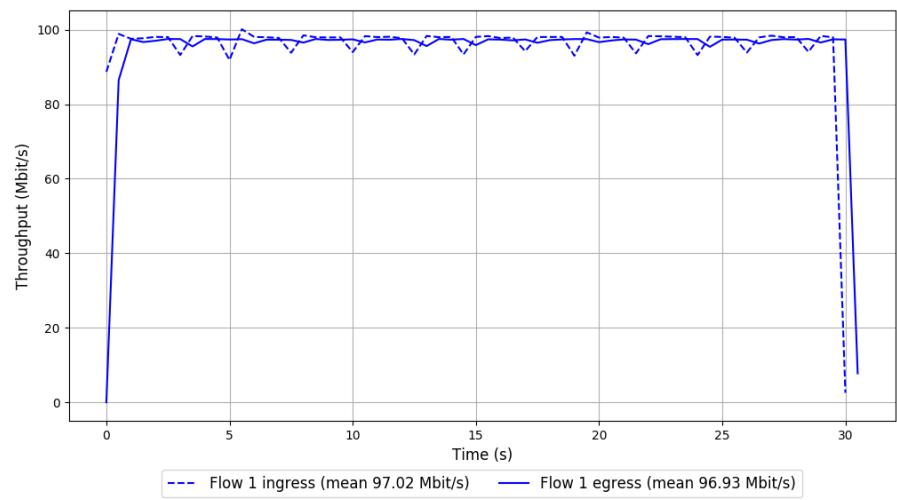


Run 7: Statistics of LEDBAT

Start at: 2018-07-09 21:59:21
End at: 2018-07-09 21:59:51
Local clock offset: 3.976 ms
Remote clock offset: -2.767 ms

Below is generated by plot.py at 2018-07-09 23:22:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.93 Mbit/s
95th percentile per-packet one-way delay: 31.739 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.93 Mbit/s
95th percentile per-packet one-way delay: 31.739 ms
Loss rate: 0.01%

Run 7: Report of LEDBAT — Data Link

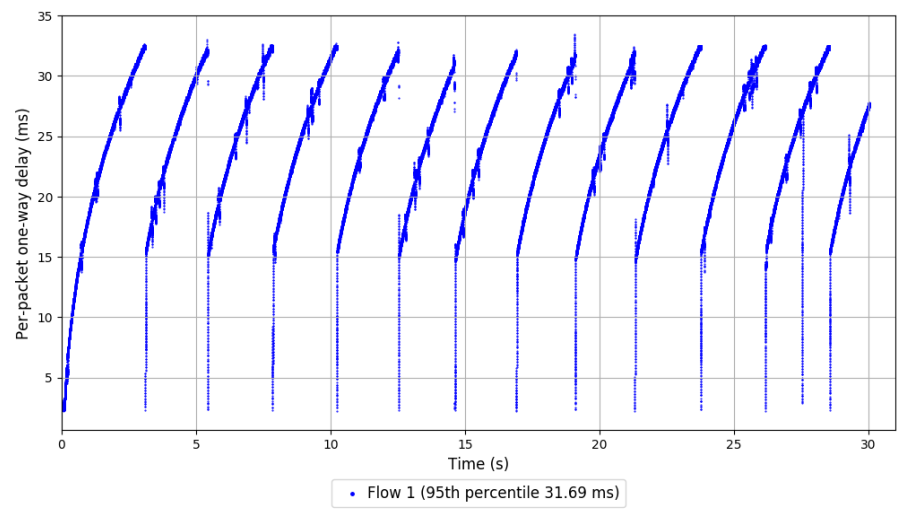
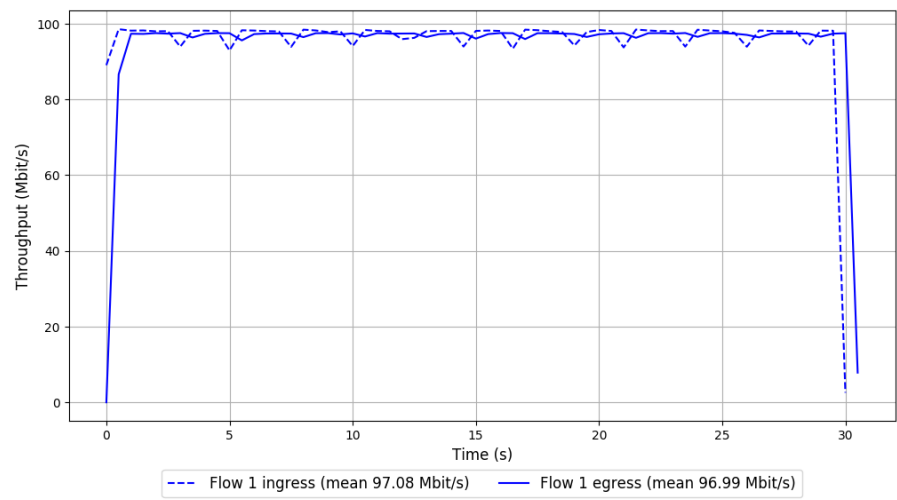


Run 8: Statistics of LEDBAT

Start at: 2018-07-09 22:18:23
End at: 2018-07-09 22:18:54
Local clock offset: 3.258 ms
Remote clock offset: -1.511 ms

Below is generated by plot.py at 2018-07-09 23:22:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.99 Mbit/s
95th percentile per-packet one-way delay: 31.690 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 96.99 Mbit/s
95th percentile per-packet one-way delay: 31.690 ms
Loss rate: 0.02%

Run 8: Report of LEDBAT — Data Link

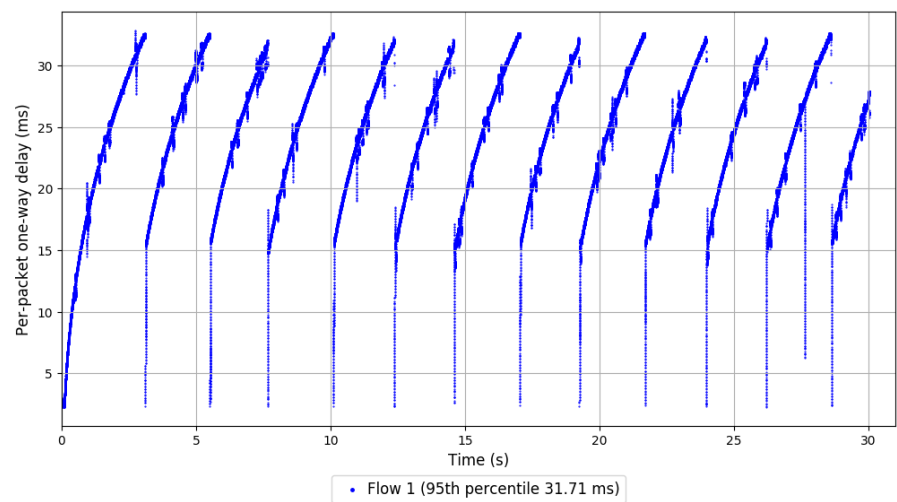
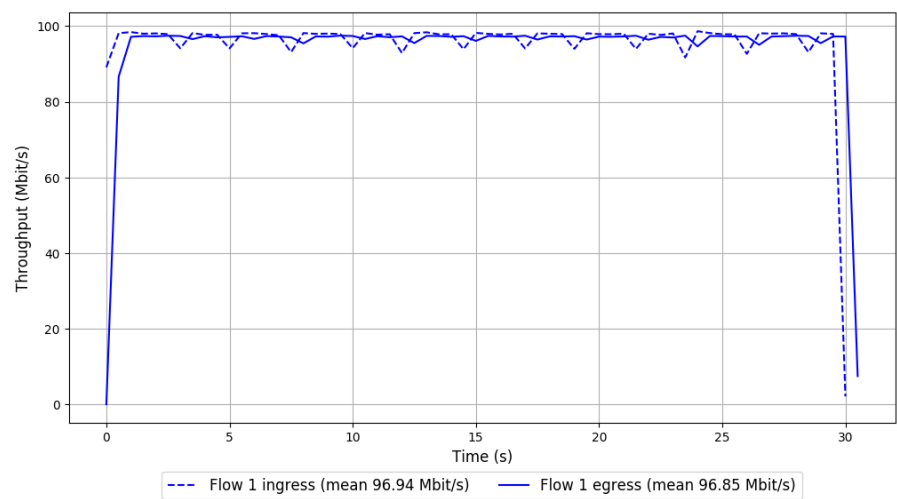


Run 9: Statistics of LEDBAT

Start at: 2018-07-09 22:37:25
End at: 2018-07-09 22:37:55
Local clock offset: 3.101 ms
Remote clock offset: -1.117 ms

Below is generated by plot.py at 2018-07-09 23:22:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.85 Mbit/s
95th percentile per-packet one-way delay: 31.712 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.85 Mbit/s
95th percentile per-packet one-way delay: 31.712 ms
Loss rate: 0.01%

Run 9: Report of LEDBAT — Data Link

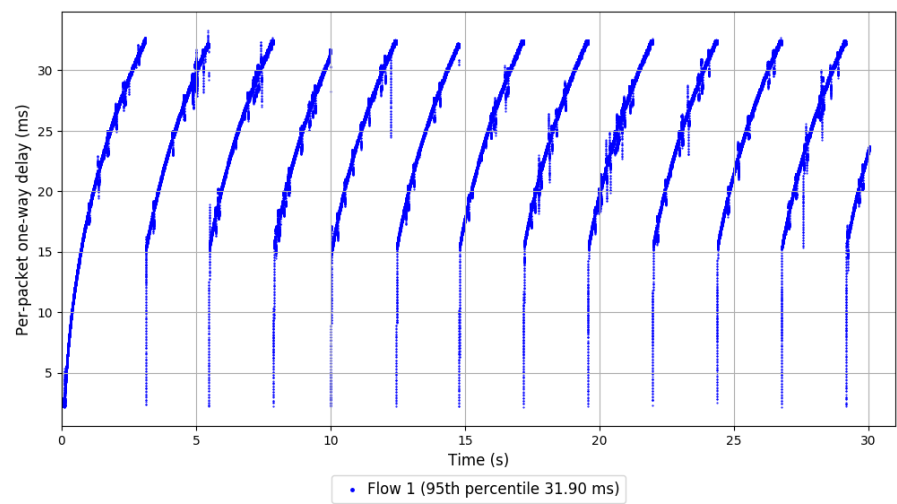
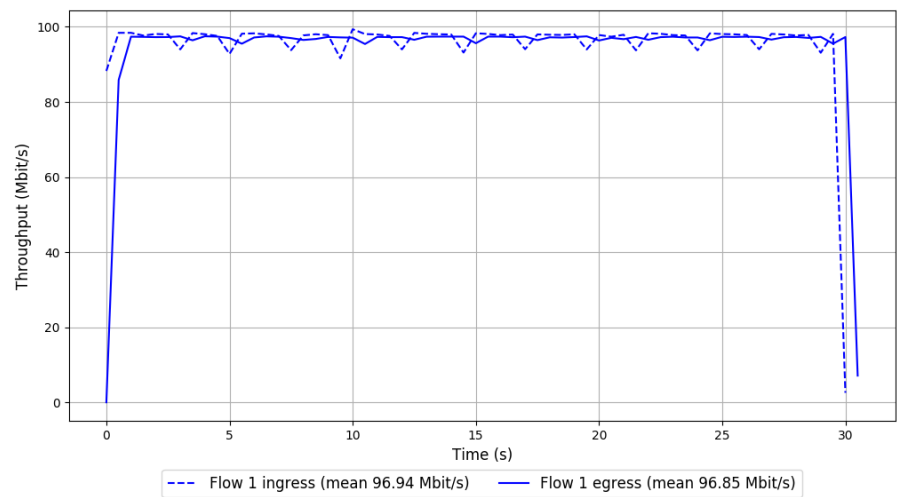


Run 10: Statistics of LEDBAT

Start at: 2018-07-09 22:56:27
End at: 2018-07-09 22:56:57
Local clock offset: 3.08 ms
Remote clock offset: -2.705 ms

Below is generated by plot.py at 2018-07-09 23:22:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.85 Mbit/s
95th percentile per-packet one-way delay: 31.899 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.85 Mbit/s
95th percentile per-packet one-way delay: 31.899 ms
Loss rate: 0.01%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-07-09 20:02:50

End at: 2018-07-09 20:03:20

Local clock offset: 4.165 ms

Remote clock offset: -1.94 ms

Below is generated by plot.py at 2018-07-09 23:23:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.55 Mbit/s

95th percentile per-packet one-way delay: 3.837 ms

Loss rate: 0.00%

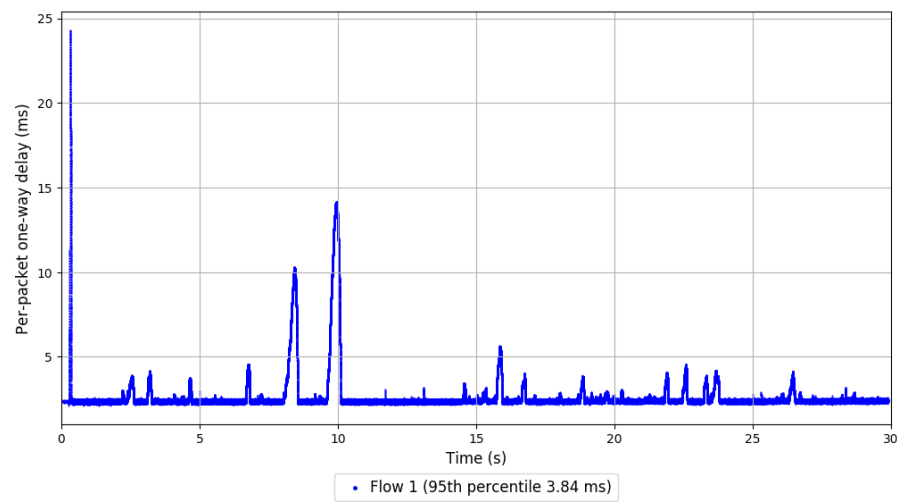
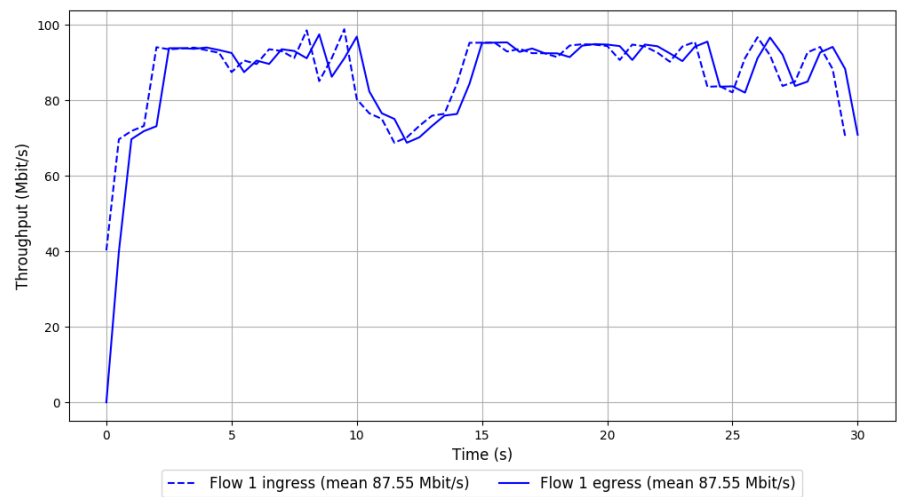
-- Flow 1:

Average throughput: 87.55 Mbit/s

95th percentile per-packet one-way delay: 3.837 ms

Loss rate: 0.00%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-09 20:21:49

End at: 2018-07-09 20:22:19

Local clock offset: 4.761 ms

Remote clock offset: -2.19 ms

Below is generated by plot.py at 2018-07-09 23:23:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.23 Mbit/s

95th percentile per-packet one-way delay: 3.285 ms

Loss rate: 0.00%

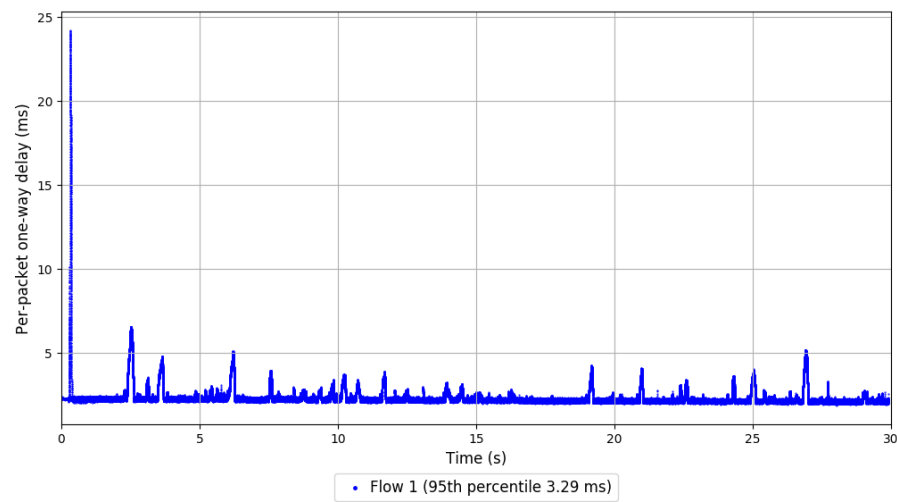
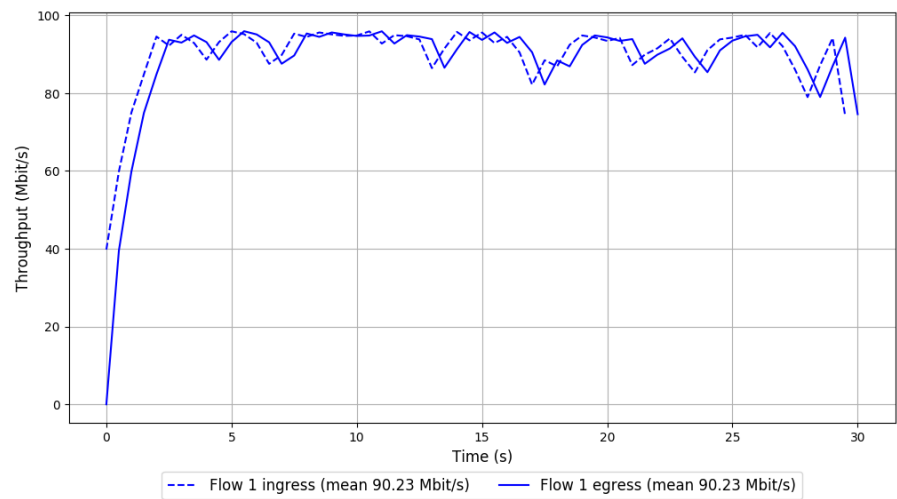
-- Flow 1:

Average throughput: 90.23 Mbit/s

95th percentile per-packet one-way delay: 3.285 ms

Loss rate: 0.00%

Run 2: Report of PCC-Allegro — Data Link

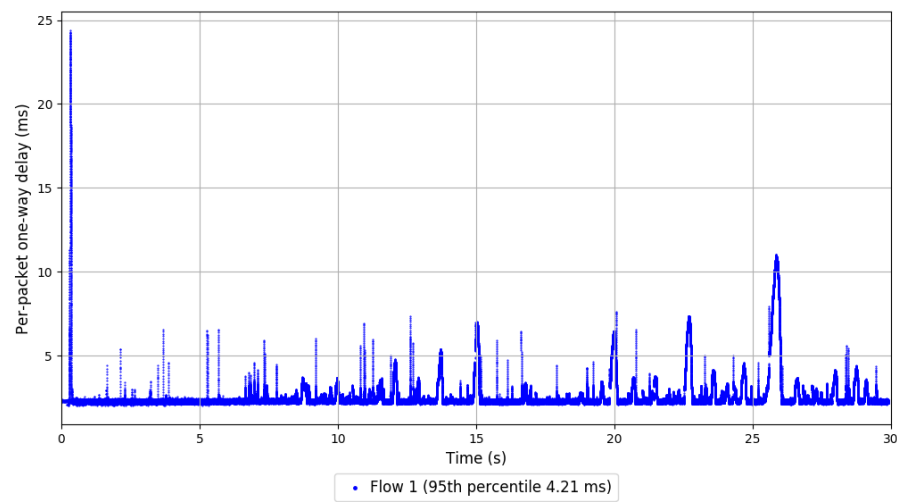
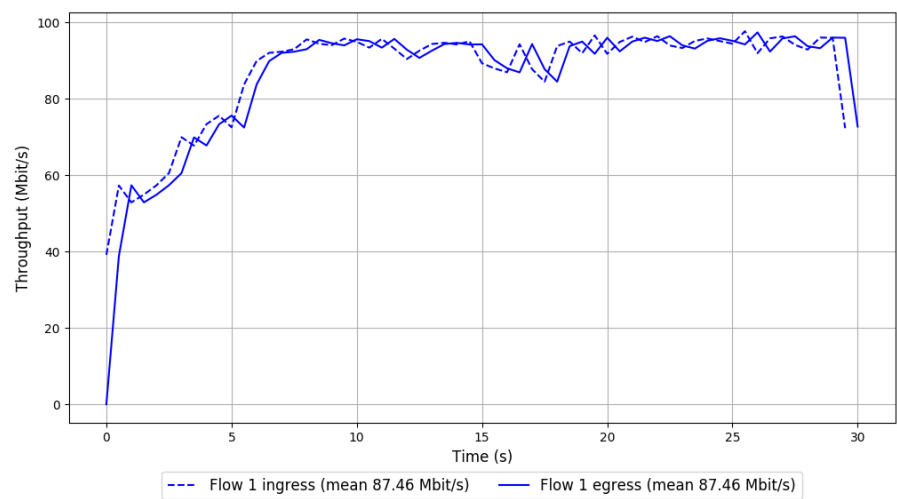


Run 3: Statistics of PCC-Allegro

Start at: 2018-07-09 20:40:51
End at: 2018-07-09 20:41:22
Local clock offset: 1.993 ms
Remote clock offset: -1.879 ms

Below is generated by plot.py at 2018-07-09 23:23:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.46 Mbit/s
95th percentile per-packet one-way delay: 4.213 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.46 Mbit/s
95th percentile per-packet one-way delay: 4.213 ms
Loss rate: 0.00%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-09 20:59:53

End at: 2018-07-09 21:00:23

Local clock offset: 2.25 ms

Remote clock offset: -1.874 ms

Below is generated by plot.py at 2018-07-09 23:23:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.52 Mbit/s

95th percentile per-packet one-way delay: 4.545 ms

Loss rate: 0.00%

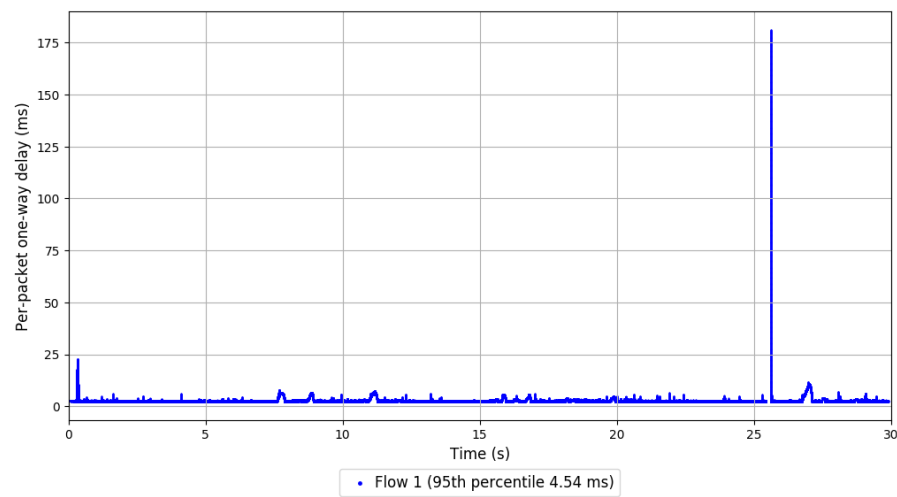
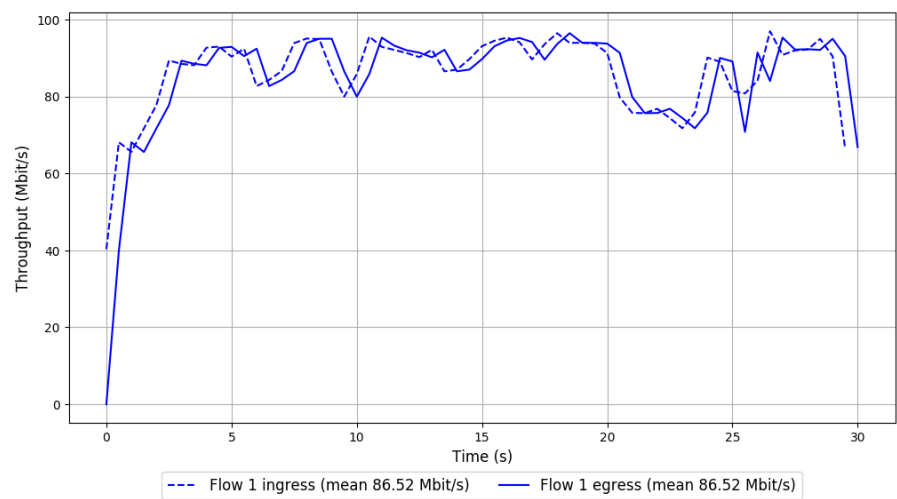
-- Flow 1:

Average throughput: 86.52 Mbit/s

95th percentile per-packet one-way delay: 4.545 ms

Loss rate: 0.00%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-09 21:18:56

End at: 2018-07-09 21:19:26

Local clock offset: 2.634 ms

Remote clock offset: -2.127 ms

Below is generated by plot.py at 2018-07-09 23:23:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.22 Mbit/s

95th percentile per-packet one-way delay: 3.593 ms

Loss rate: 0.00%

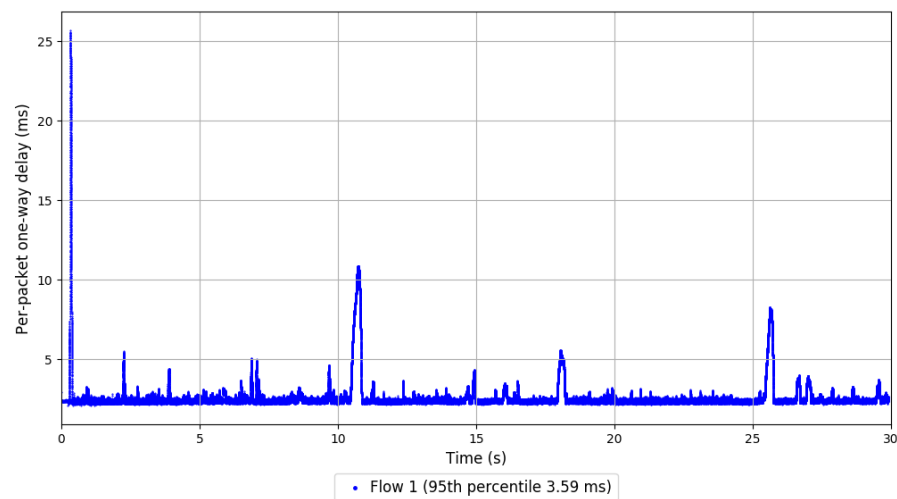
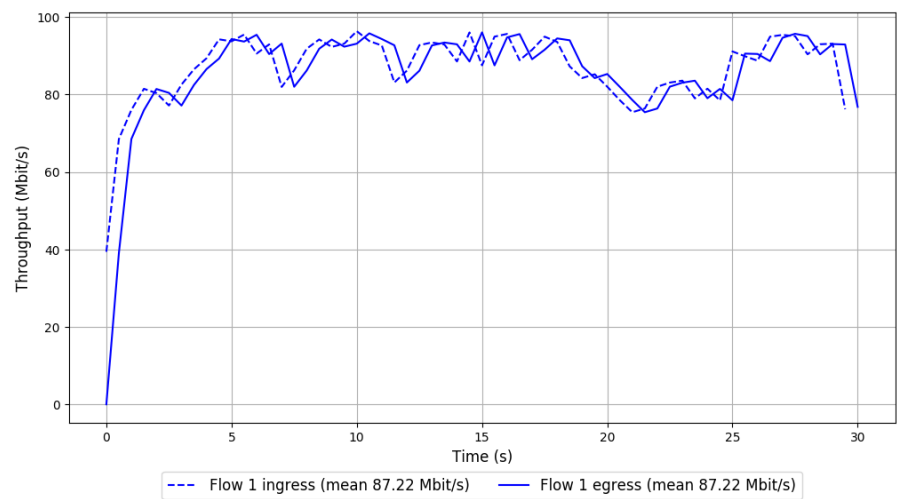
-- Flow 1:

Average throughput: 87.22 Mbit/s

95th percentile per-packet one-way delay: 3.593 ms

Loss rate: 0.00%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-09 21:37:58

End at: 2018-07-09 21:38:28

Local clock offset: 3.949 ms

Remote clock offset: -2.494 ms

Below is generated by plot.py at 2018-07-09 23:24:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.63 Mbit/s

95th percentile per-packet one-way delay: 4.461 ms

Loss rate: 0.00%

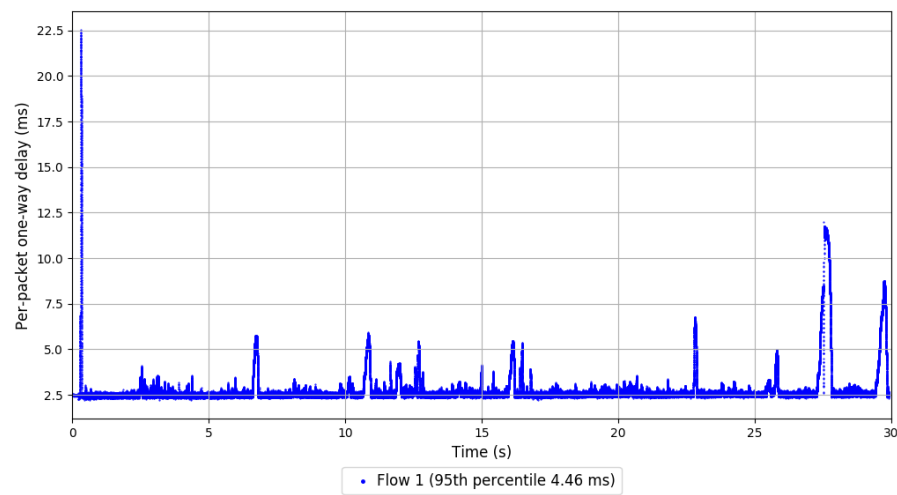
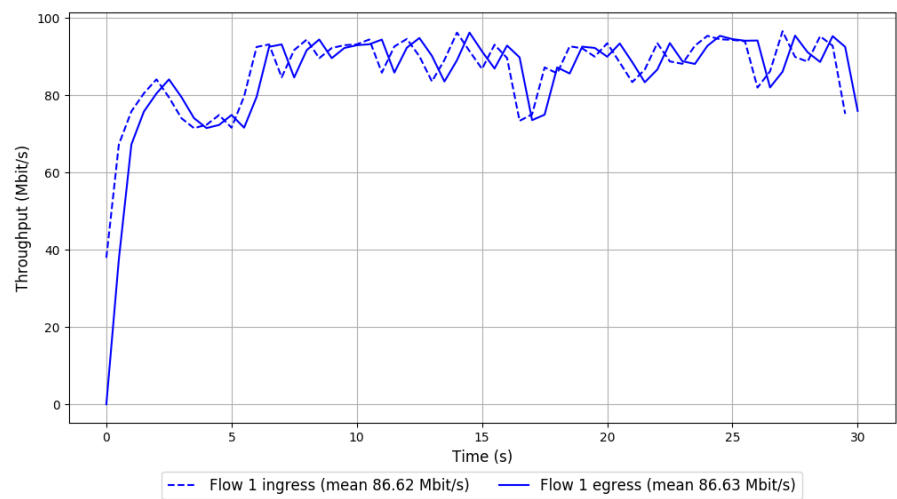
-- Flow 1:

Average throughput: 86.63 Mbit/s

95th percentile per-packet one-way delay: 4.461 ms

Loss rate: 0.00%

Run 6: Report of PCC-Allegro — Data Link

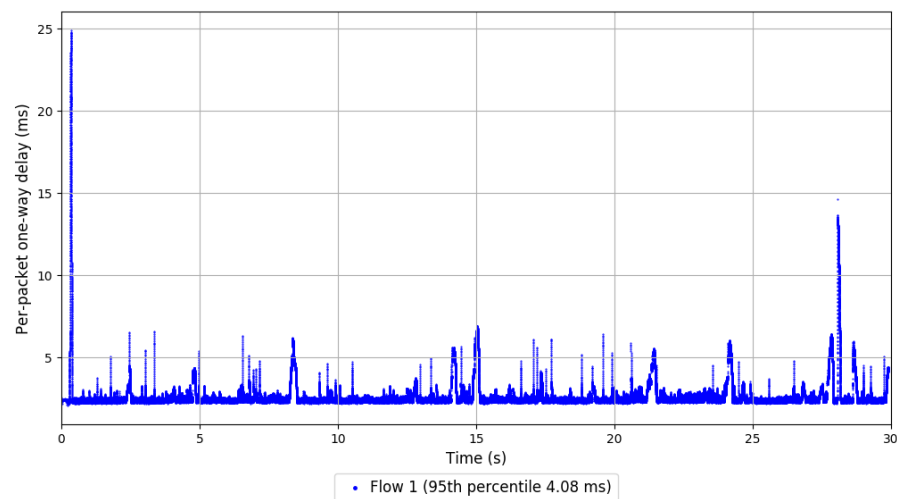
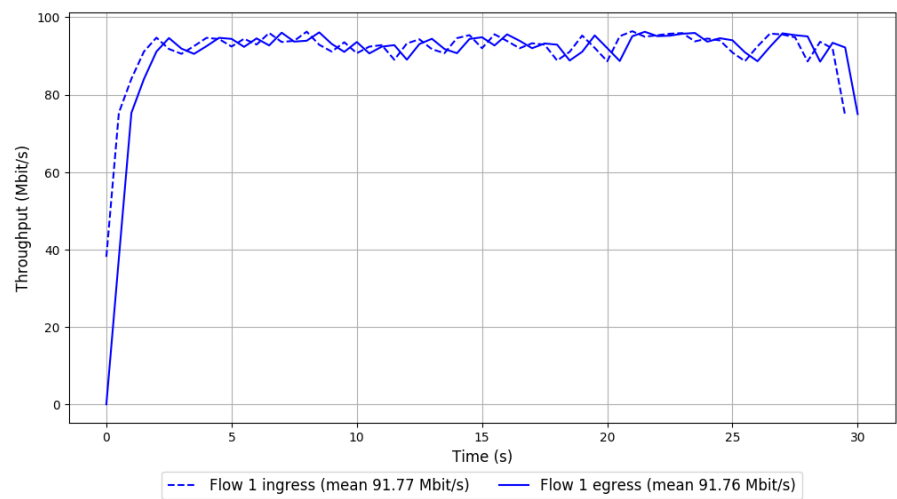


Run 7: Statistics of PCC-Allegro

Start at: 2018-07-09 21:57:01
End at: 2018-07-09 21:57:31
Local clock offset: 4.067 ms
Remote clock offset: -2.765 ms

Below is generated by plot.py at 2018-07-09 23:24:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.76 Mbit/s
95th percentile per-packet one-way delay: 4.085 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.76 Mbit/s
95th percentile per-packet one-way delay: 4.085 ms
Loss rate: 0.00%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-09 22:16:08

End at: 2018-07-09 22:16:38

Local clock offset: 3.285 ms

Remote clock offset: -1.604 ms

Below is generated by plot.py at 2018-07-09 23:24:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.46 Mbit/s

95th percentile per-packet one-way delay: 3.581 ms

Loss rate: 0.00%

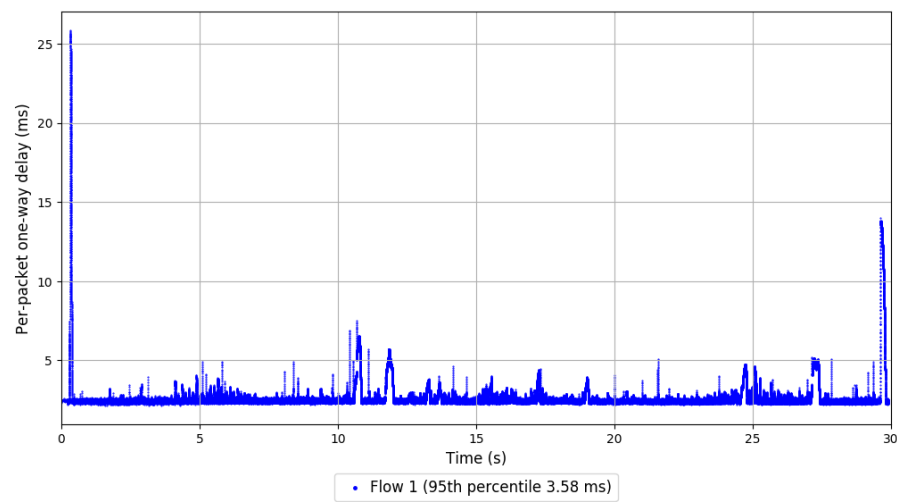
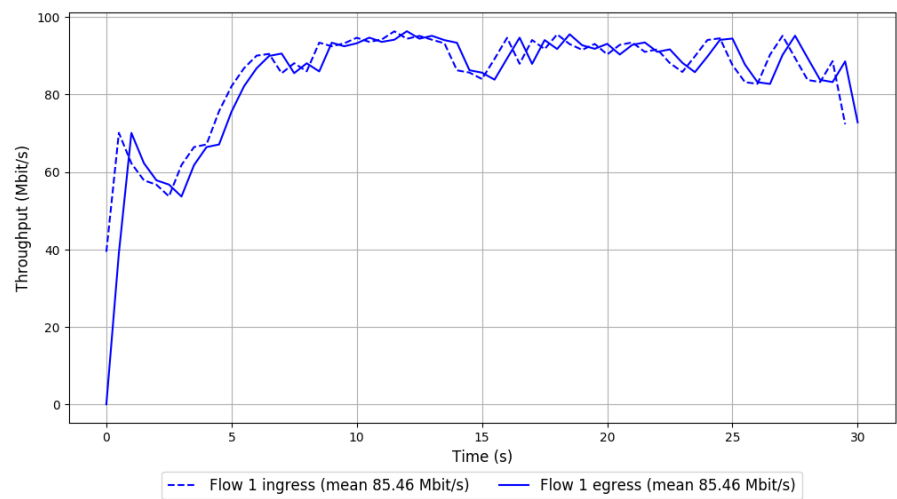
-- Flow 1:

Average throughput: 85.46 Mbit/s

95th percentile per-packet one-way delay: 3.581 ms

Loss rate: 0.00%

Run 8: Report of PCC-Allegro — Data Link

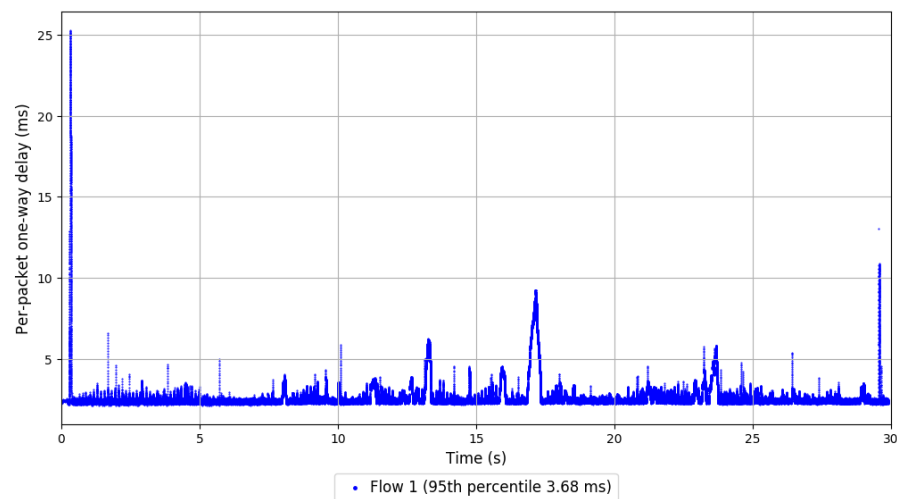
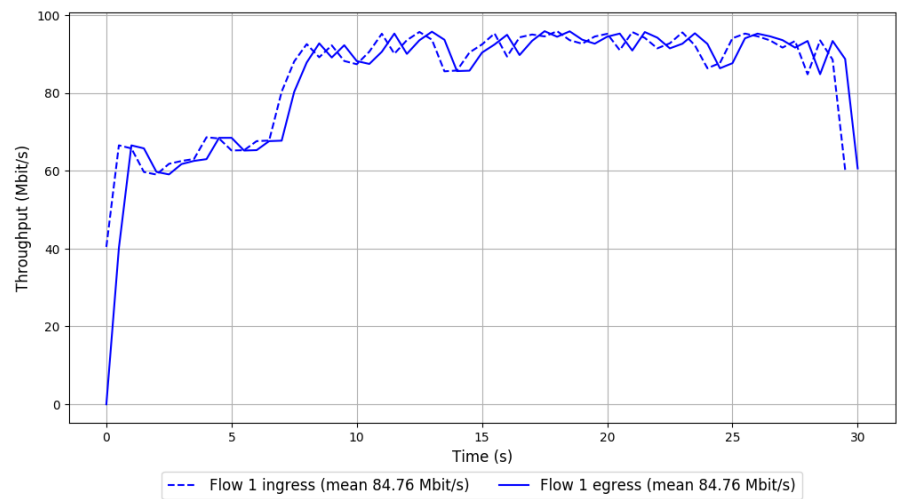


Run 9: Statistics of PCC-Allegro

Start at: 2018-07-09 22:35:10
End at: 2018-07-09 22:35:40
Local clock offset: 3.058 ms
Remote clock offset: -1.137 ms

Below is generated by plot.py at 2018-07-09 23:24:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.76 Mbit/s
95th percentile per-packet one-way delay: 3.678 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.76 Mbit/s
95th percentile per-packet one-way delay: 3.678 ms
Loss rate: 0.00%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-09 22:54:12

End at: 2018-07-09 22:54:42

Local clock offset: 3.211 ms

Remote clock offset: -2.602 ms

Below is generated by plot.py at 2018-07-09 23:24:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.88 Mbit/s

95th percentile per-packet one-way delay: 3.019 ms

Loss rate: 0.00%

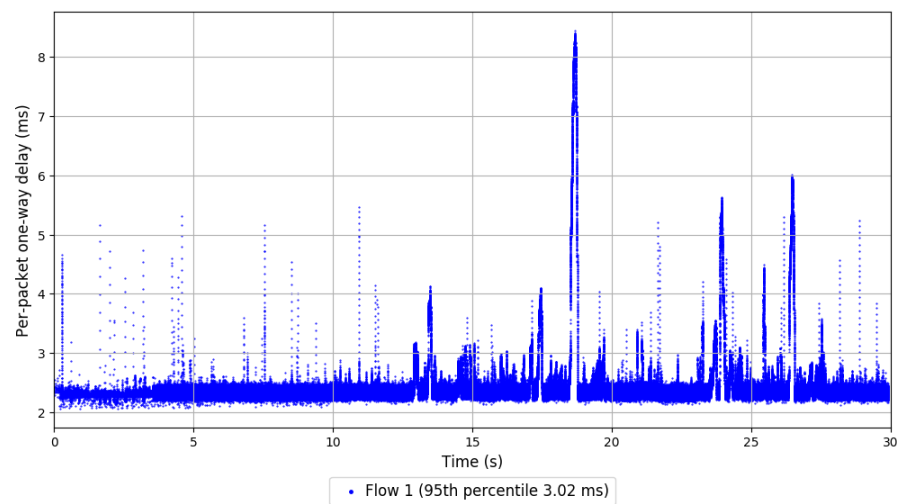
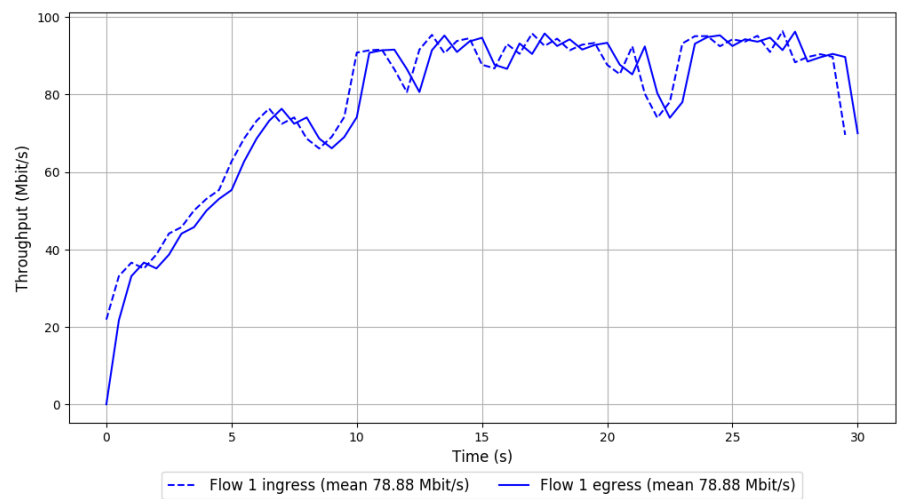
-- Flow 1:

Average throughput: 78.88 Mbit/s

95th percentile per-packet one-way delay: 3.019 ms

Loss rate: 0.00%

Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-07-09 19:57:14

End at: 2018-07-09 19:57:44

Local clock offset: 4.735 ms

Remote clock offset: -1.72 ms

Below is generated by plot.py at 2018-07-09 23:25:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.90 Mbit/s

95th percentile per-packet one-way delay: 4.970 ms

Loss rate: 0.00%

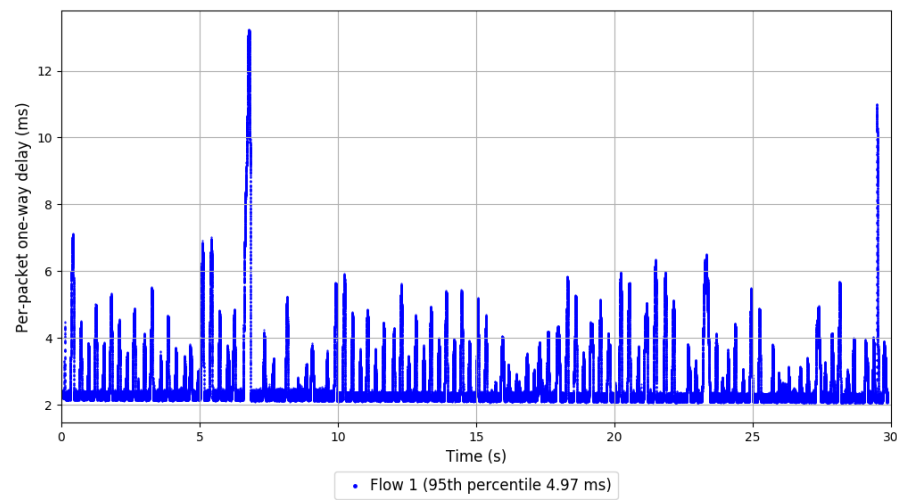
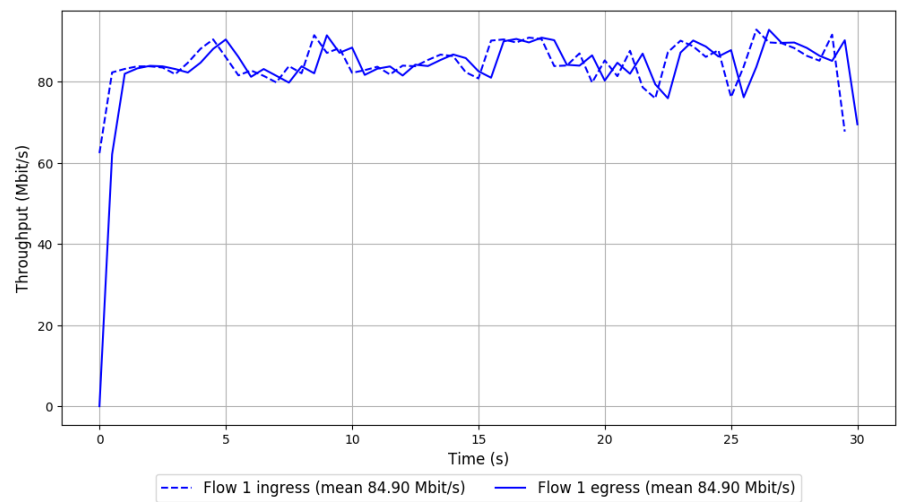
-- Flow 1:

Average throughput: 84.90 Mbit/s

95th percentile per-packet one-way delay: 4.970 ms

Loss rate: 0.00%

Run 1: Report of PCC-Expr — Data Link

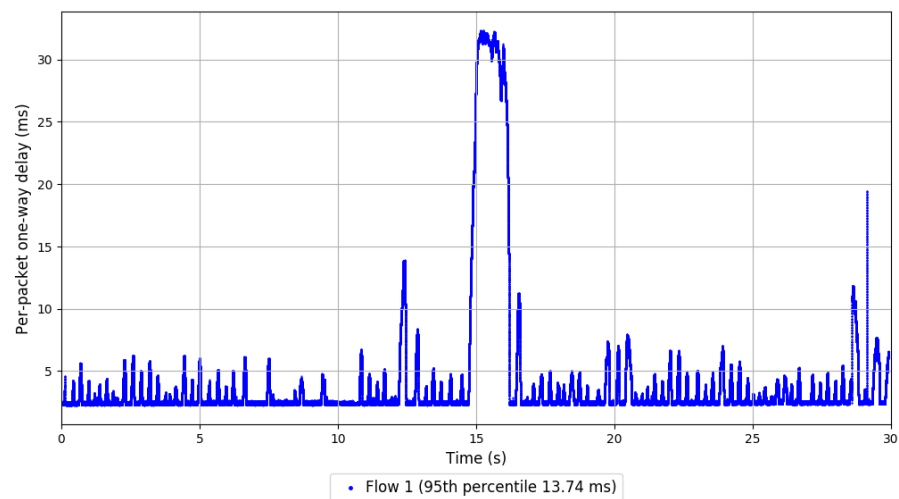
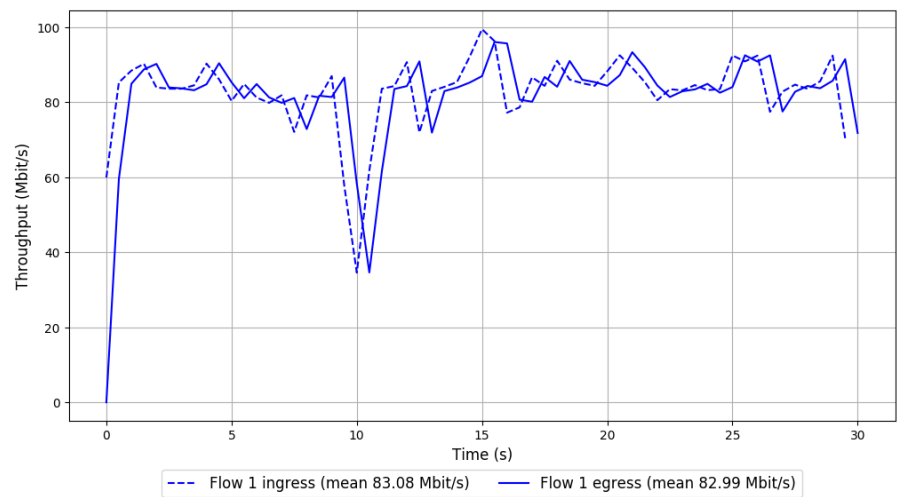


Run 2: Statistics of PCC-Expr

Start at: 2018-07-09 20:16:13
End at: 2018-07-09 20:16:43
Local clock offset: 3.789 ms
Remote clock offset: -2.184 ms

Below is generated by plot.py at 2018-07-09 23:25:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.99 Mbit/s
95th percentile per-packet one-way delay: 13.740 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 82.99 Mbit/s
95th percentile per-packet one-way delay: 13.740 ms
Loss rate: 0.09%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-07-09 20:35:15

End at: 2018-07-09 20:35:45

Local clock offset: 2.957 ms

Remote clock offset: -1.81 ms

Below is generated by plot.py at 2018-07-09 23:25:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.09 Mbit/s

95th percentile per-packet one-way delay: 28.366 ms

Loss rate: 0.22%

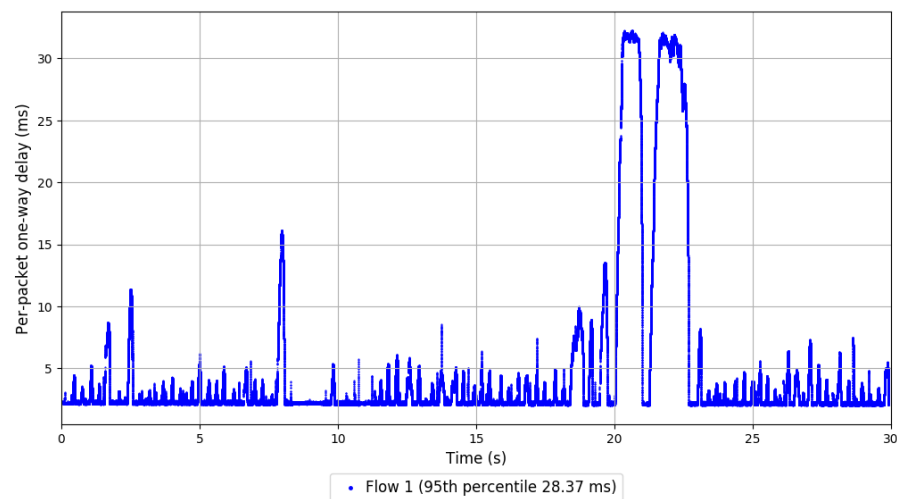
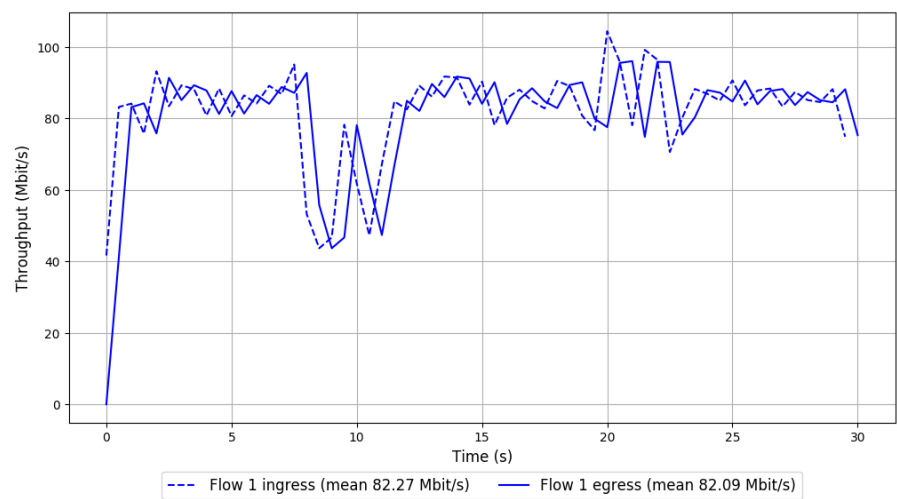
-- Flow 1:

Average throughput: 82.09 Mbit/s

95th percentile per-packet one-way delay: 28.366 ms

Loss rate: 0.22%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-09 20:54:17

End at: 2018-07-09 20:54:47

Local clock offset: 2.123 ms

Remote clock offset: -1.8 ms

Below is generated by plot.py at 2018-07-09 23:25:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.40 Mbit/s

95th percentile per-packet one-way delay: 31.825 ms

Loss rate: 0.89%

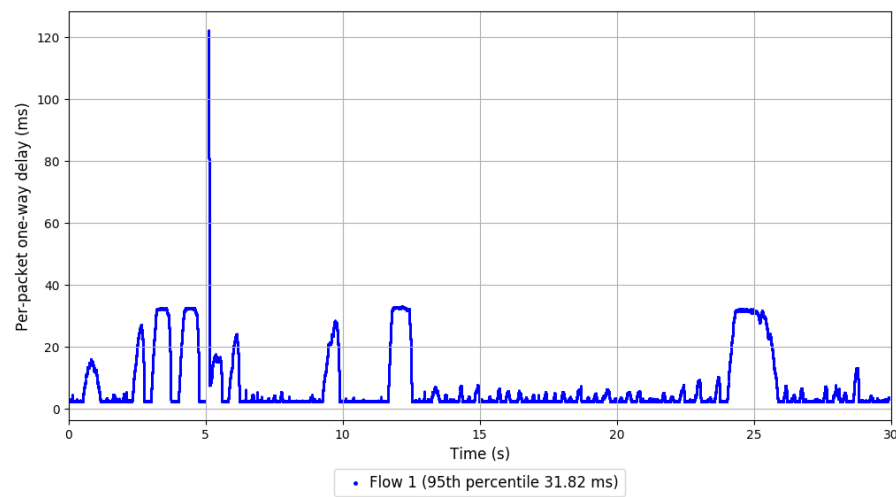
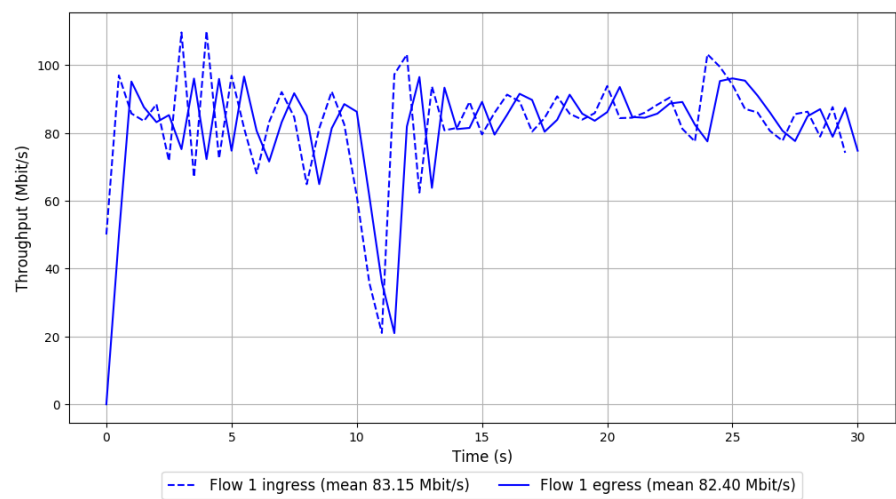
-- Flow 1:

Average throughput: 82.40 Mbit/s

95th percentile per-packet one-way delay: 31.825 ms

Loss rate: 0.89%

Run 4: Report of PCC-Expr — Data Link

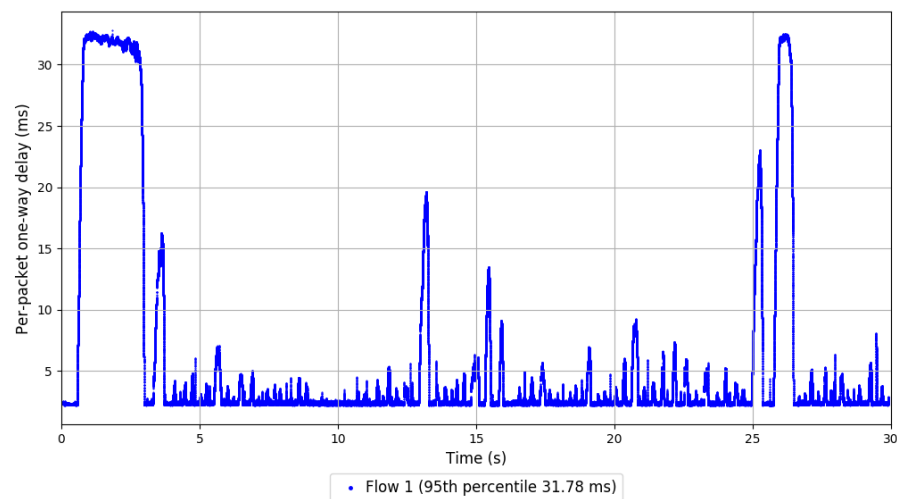
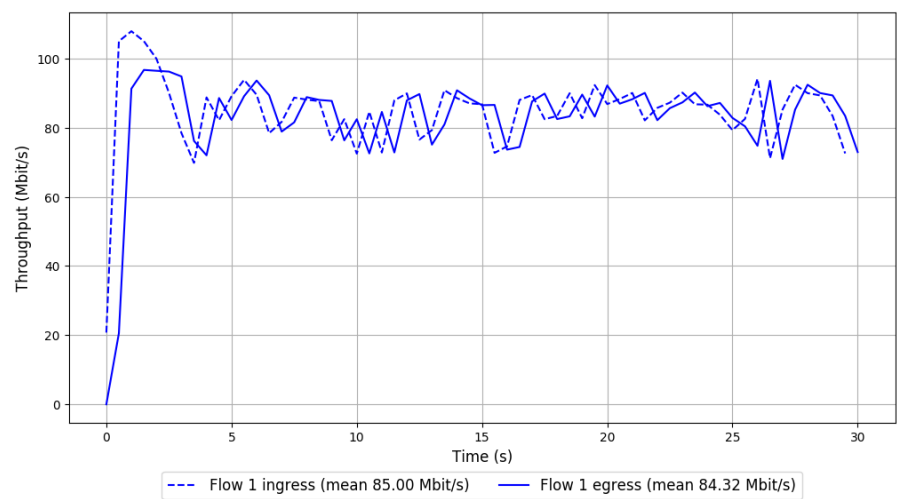


Run 5: Statistics of PCC-Expr

Start at: 2018-07-09 21:13:20
End at: 2018-07-09 21:13:50
Local clock offset: 2.605 ms
Remote clock offset: -2.124 ms

Below is generated by plot.py at 2018-07-09 23:25:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.32 Mbit/s
95th percentile per-packet one-way delay: 31.782 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 84.32 Mbit/s
95th percentile per-packet one-way delay: 31.782 ms
Loss rate: 0.80%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-07-09 21:32:23

End at: 2018-07-09 21:32:53

Local clock offset: 3.408 ms

Remote clock offset: -2.456 ms

Below is generated by plot.py at 2018-07-09 23:26:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.97 Mbit/s

95th percentile per-packet one-way delay: 32.153 ms

Loss rate: 1.32%

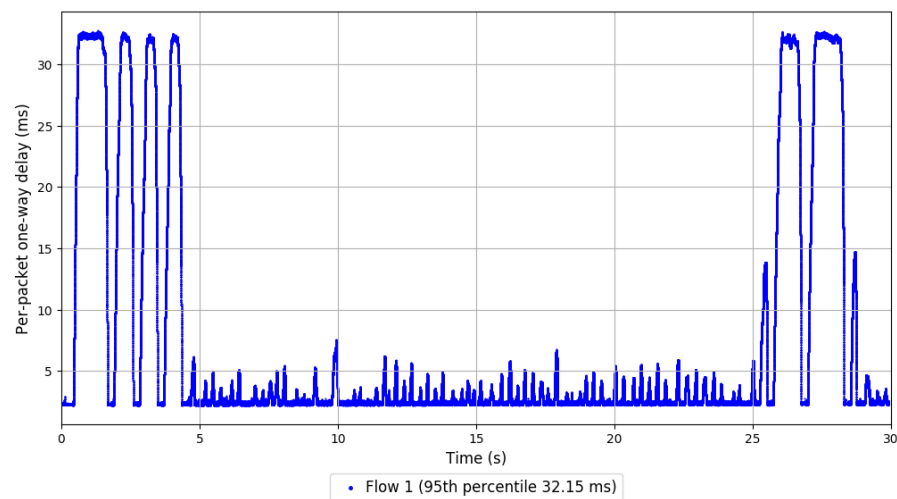
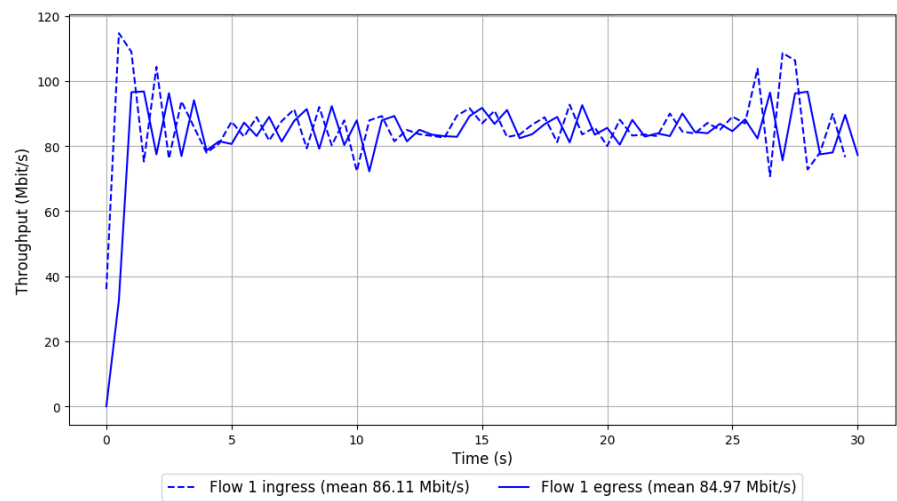
-- Flow 1:

Average throughput: 84.97 Mbit/s

95th percentile per-packet one-way delay: 32.153 ms

Loss rate: 1.32%

Run 6: Report of PCC-Expr — Data Link

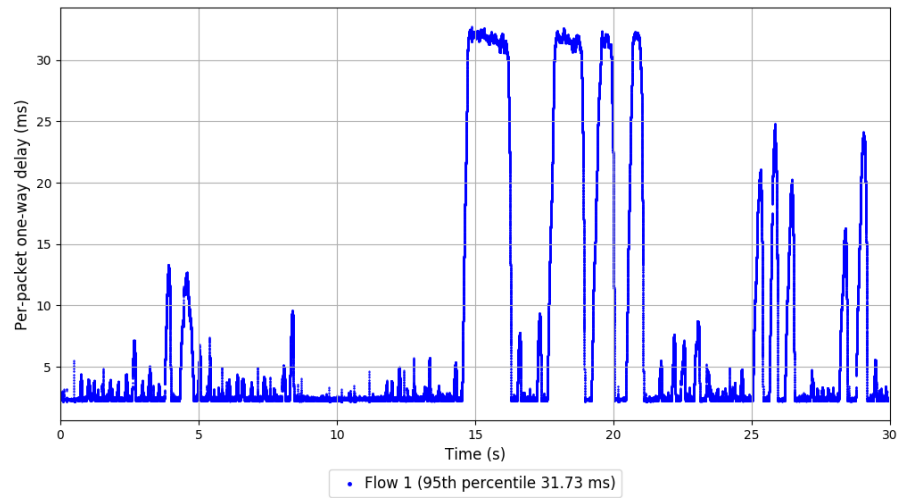
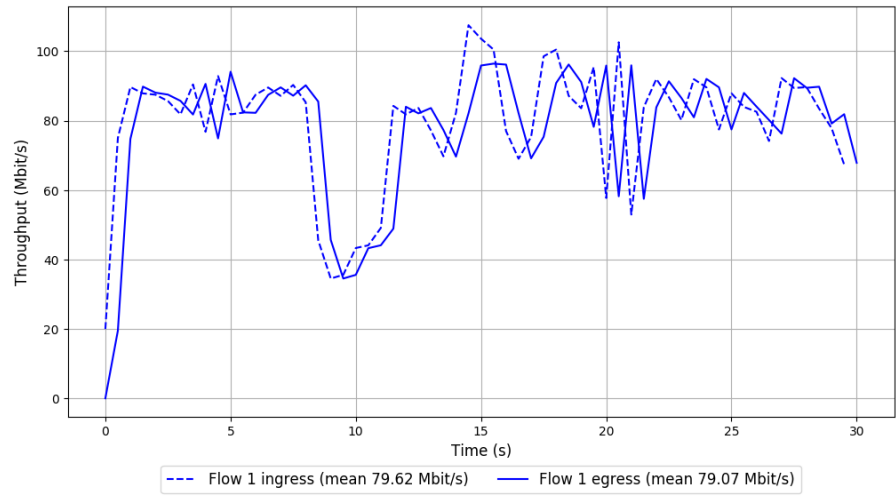


Run 7: Statistics of PCC-Expr

Start at: 2018-07-09 21:51:24
End at: 2018-07-09 21:51:54
Local clock offset: 4.256 ms
Remote clock offset: -2.709 ms

Below is generated by plot.py at 2018-07-09 23:26:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.07 Mbit/s
95th percentile per-packet one-way delay: 31.729 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 79.07 Mbit/s
95th percentile per-packet one-way delay: 31.729 ms
Loss rate: 0.68%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-07-09 22:10:32

End at: 2018-07-09 22:11:02

Local clock offset: 3.579 ms

Remote clock offset: -2.031 ms

Below is generated by plot.py at 2018-07-09 23:26:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.37 Mbit/s

95th percentile per-packet one-way delay: 31.610 ms

Loss rate: 0.59%

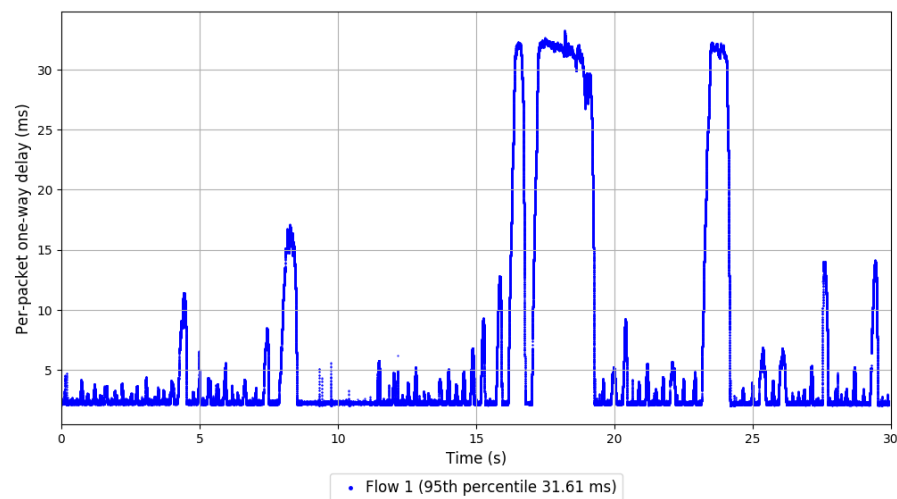
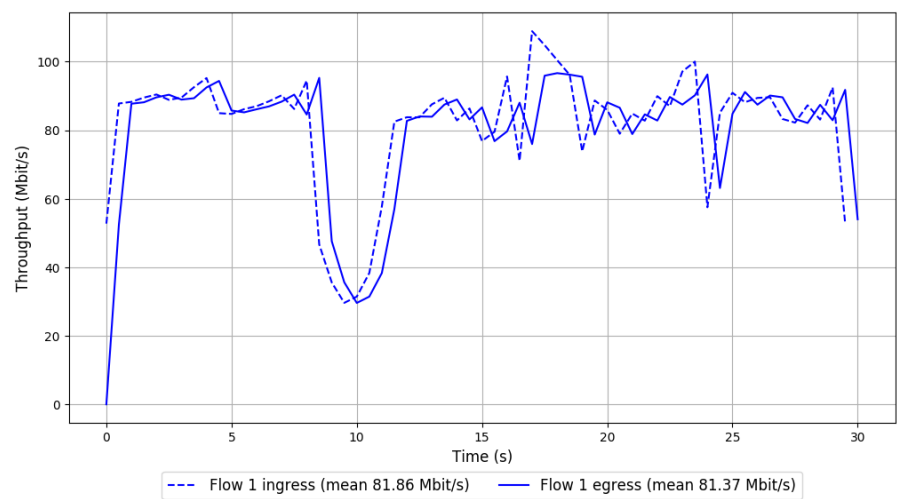
-- Flow 1:

Average throughput: 81.37 Mbit/s

95th percentile per-packet one-way delay: 31.610 ms

Loss rate: 0.59%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-07-09 22:29:34

End at: 2018-07-09 22:30:04

Local clock offset: 3.059 ms

Remote clock offset: -1.326 ms

Below is generated by plot.py at 2018-07-09 23:27:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.15 Mbit/s

95th percentile per-packet one-way delay: 31.836 ms

Loss rate: 0.86%

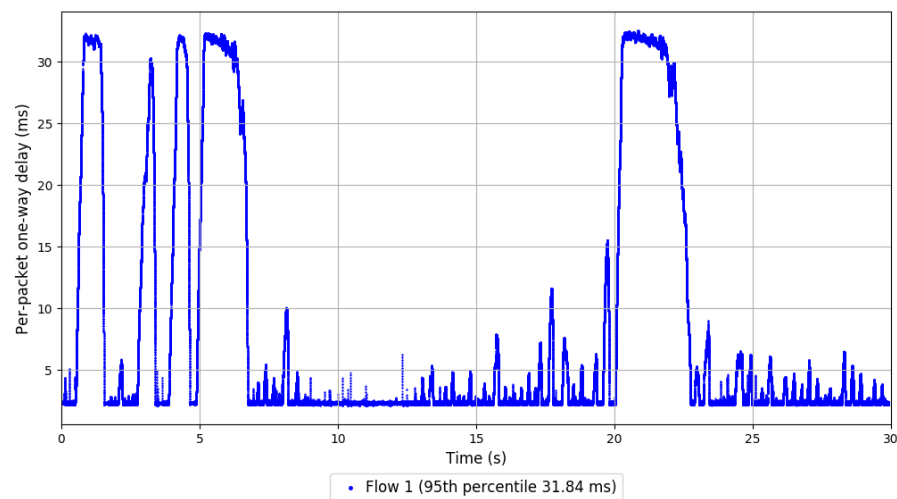
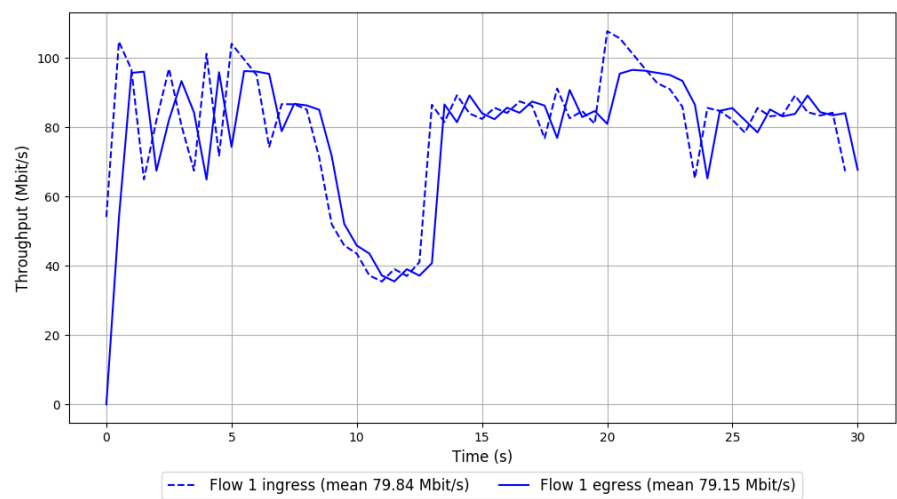
-- Flow 1:

Average throughput: 79.15 Mbit/s

95th percentile per-packet one-way delay: 31.836 ms

Loss rate: 0.86%

Run 9: Report of PCC-Expr — Data Link

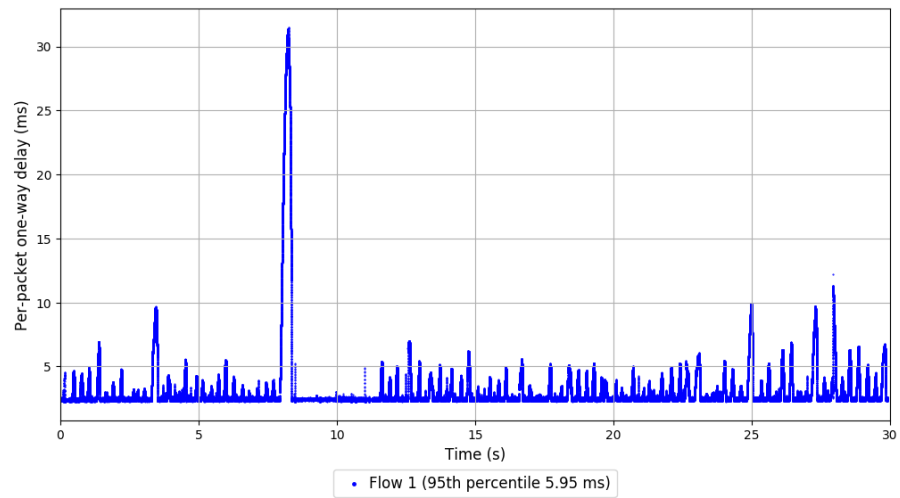
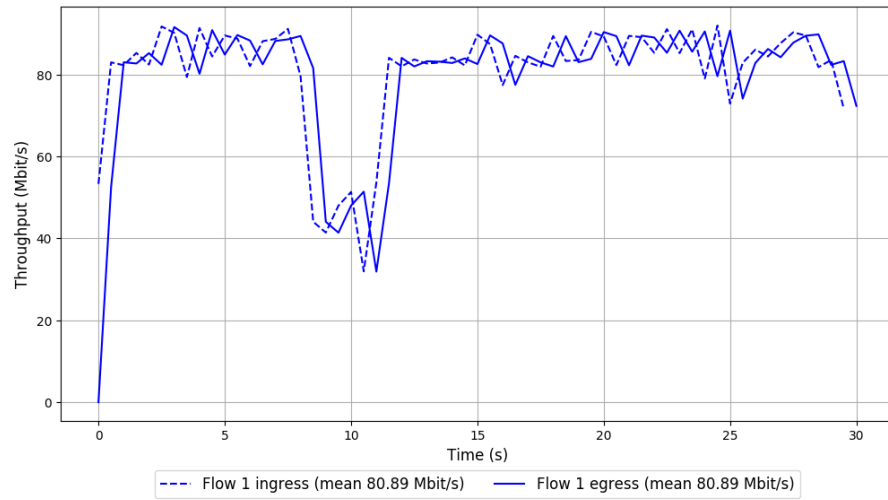


Run 10: Statistics of PCC-Expr

Start at: 2018-07-09 22:48:36
End at: 2018-07-09 22:49:06
Local clock offset: 3.347 ms
Remote clock offset: -2.364 ms

Below is generated by plot.py at 2018-07-09 23:27:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.89 Mbit/s
95th percentile per-packet one-way delay: 5.952 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 80.89 Mbit/s
95th percentile per-packet one-way delay: 5.952 ms
Loss rate: 0.00%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

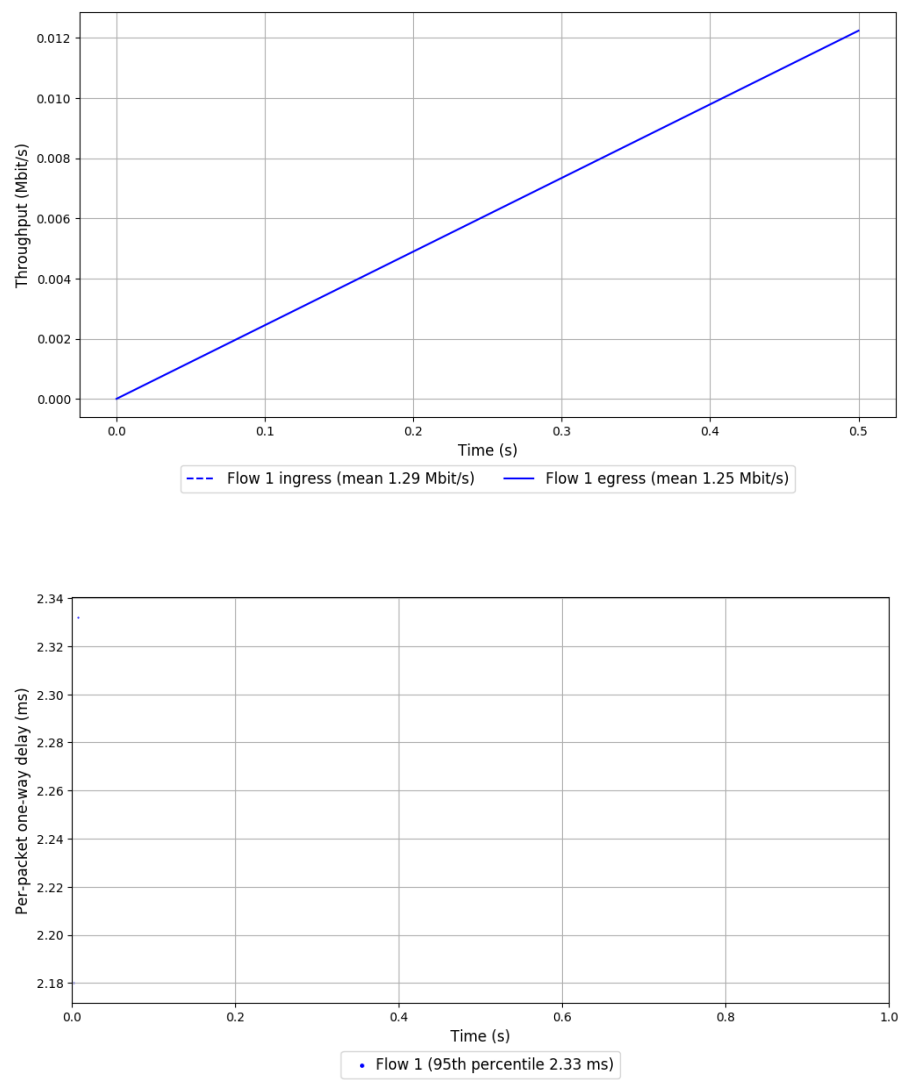
Start at: 2018-07-09 20:11:49

End at: 2018-07-09 20:12:19

Local clock offset: 3.403 ms

Remote clock offset: -2.138 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-09 20:30:48

End at: 2018-07-09 20:31:18

Local clock offset: 3.581 ms

Remote clock offset: -1.977 ms

Below is generated by plot.py at 2018-07-09 23:27:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.50 Mbit/s

95th percentile per-packet one-way delay: 2.954 ms

Loss rate: 0.16%

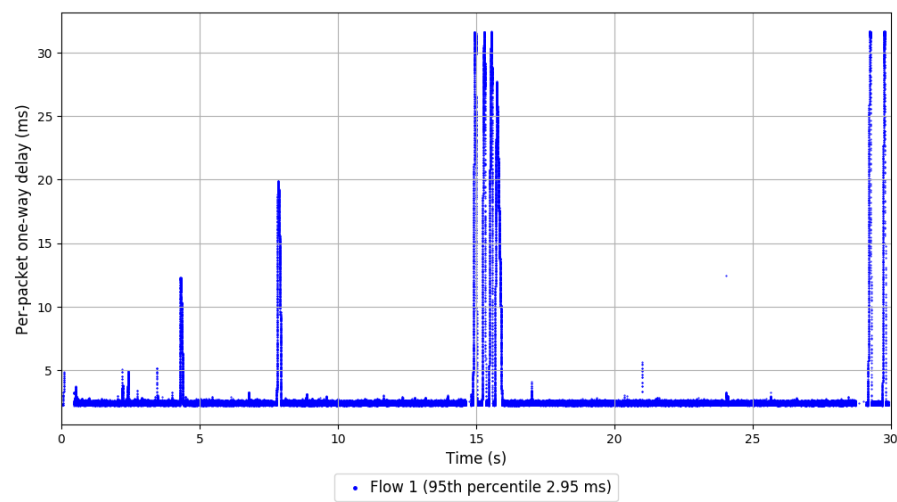
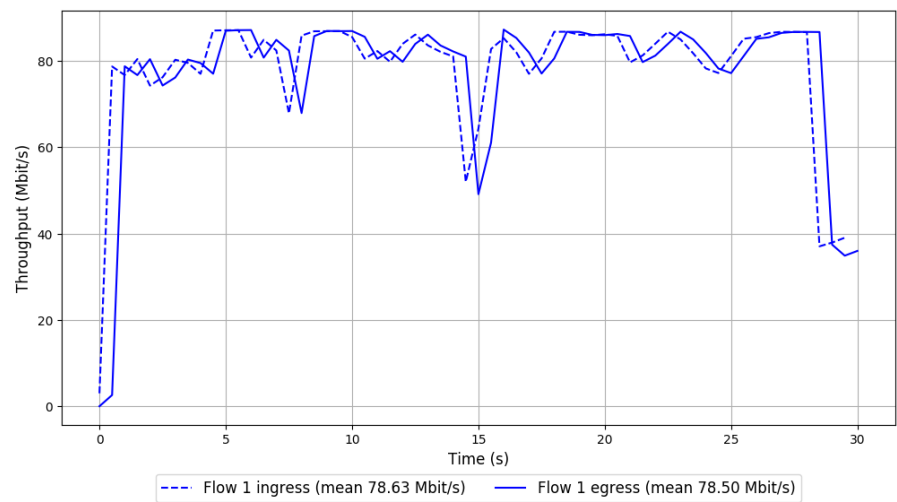
-- Flow 1:

Average throughput: 78.50 Mbit/s

95th percentile per-packet one-way delay: 2.954 ms

Loss rate: 0.16%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-09 20:49:50

End at: 2018-07-09 20:50:20

Local clock offset: 2.092 ms

Remote clock offset: -1.773 ms

Below is generated by plot.py at 2018-07-09 23:27:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.51 Mbit/s

95th percentile per-packet one-way delay: 4.156 ms

Loss rate: 0.35%

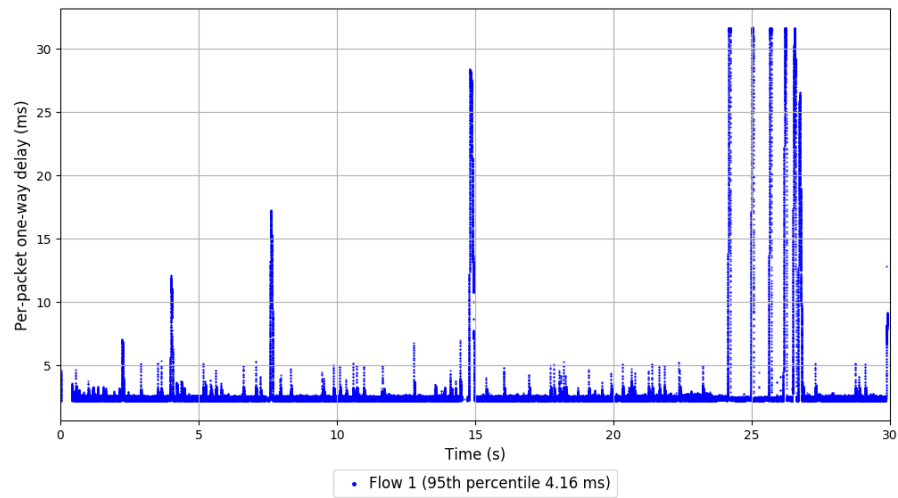
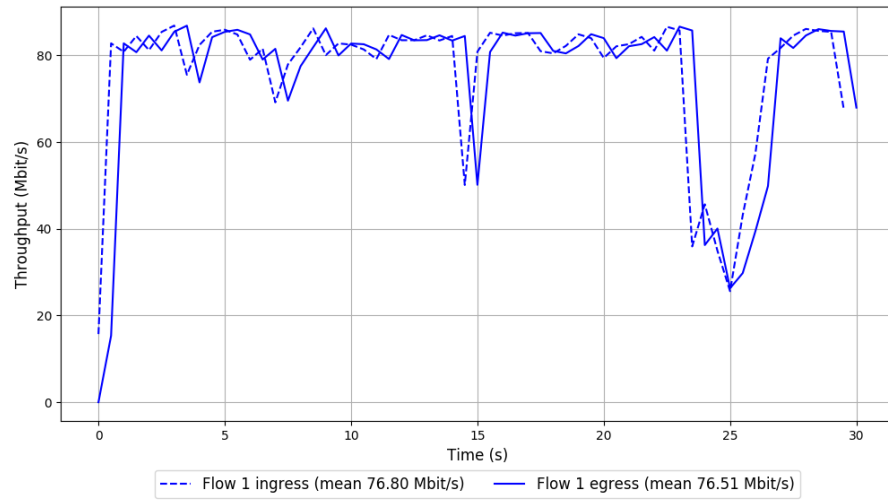
-- Flow 1:

Average throughput: 76.51 Mbit/s

95th percentile per-packet one-way delay: 4.156 ms

Loss rate: 0.35%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-09 21:08:52

End at: 2018-07-09 21:09:23

Local clock offset: 2.64 ms

Remote clock offset: -2.033 ms

Below is generated by plot.py at 2018-07-09 23:27:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.09 Mbit/s

95th percentile per-packet one-way delay: 2.896 ms

Loss rate: 0.08%

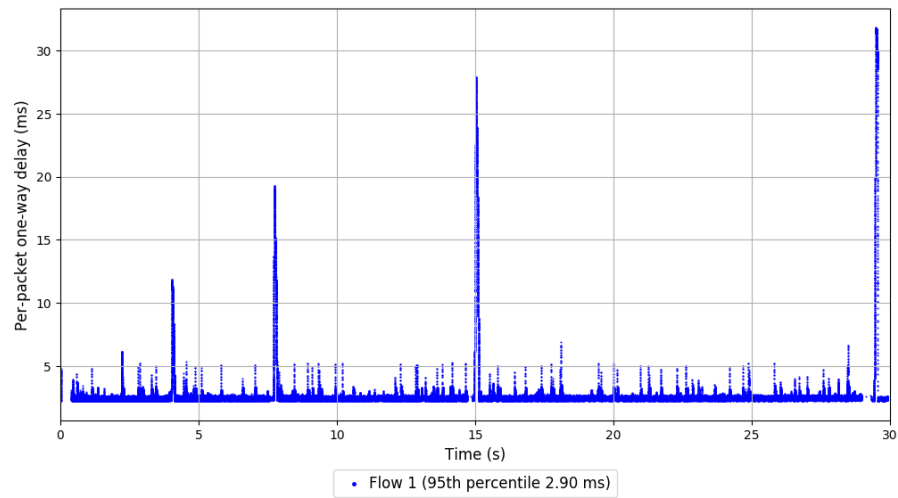
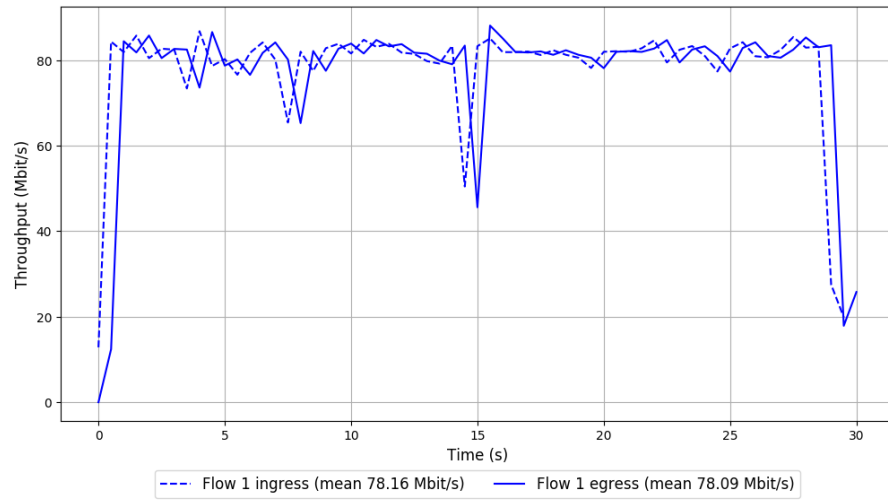
-- Flow 1:

Average throughput: 78.09 Mbit/s

95th percentile per-packet one-way delay: 2.896 ms

Loss rate: 0.08%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-09 21:27:55

End at: 2018-07-09 21:28:25

Local clock offset: 3.098 ms

Remote clock offset: -2.155 ms

Below is generated by plot.py at 2018-07-09 23:27:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.80 Mbit/s

95th percentile per-packet one-way delay: 12.686 ms

Loss rate: 0.41%

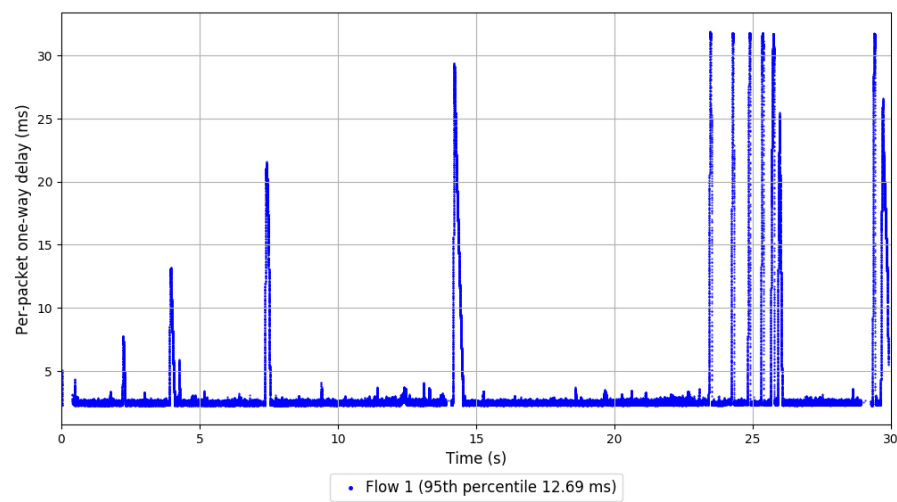
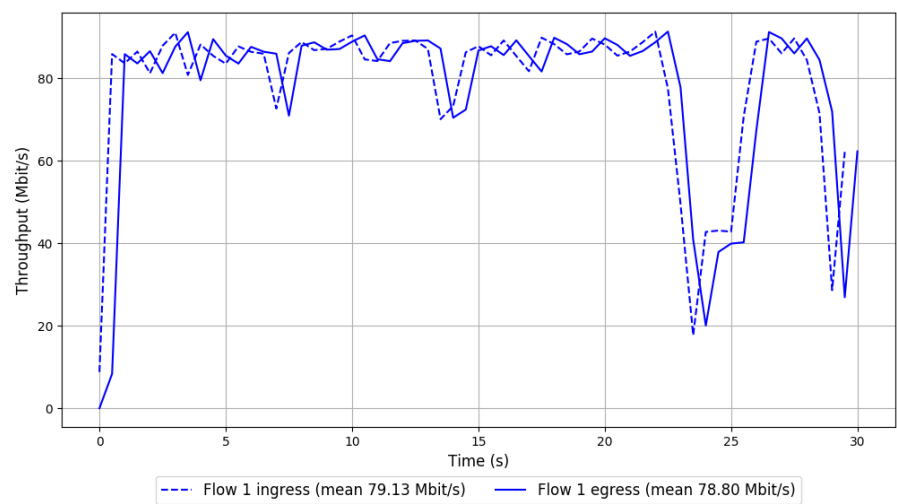
-- Flow 1:

Average throughput: 78.80 Mbit/s

95th percentile per-packet one-way delay: 12.686 ms

Loss rate: 0.41%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-09 21:46:57

End at: 2018-07-09 21:47:27

Local clock offset: 4.618 ms

Remote clock offset: -2.741 ms

Below is generated by plot.py at 2018-07-09 23:27:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.66 Mbit/s

95th percentile per-packet one-way delay: 3.296 ms

Loss rate: 0.35%

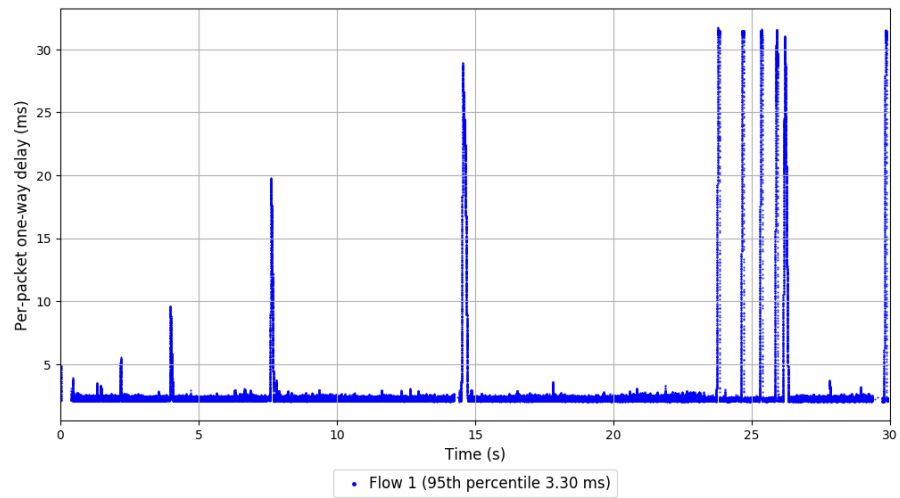
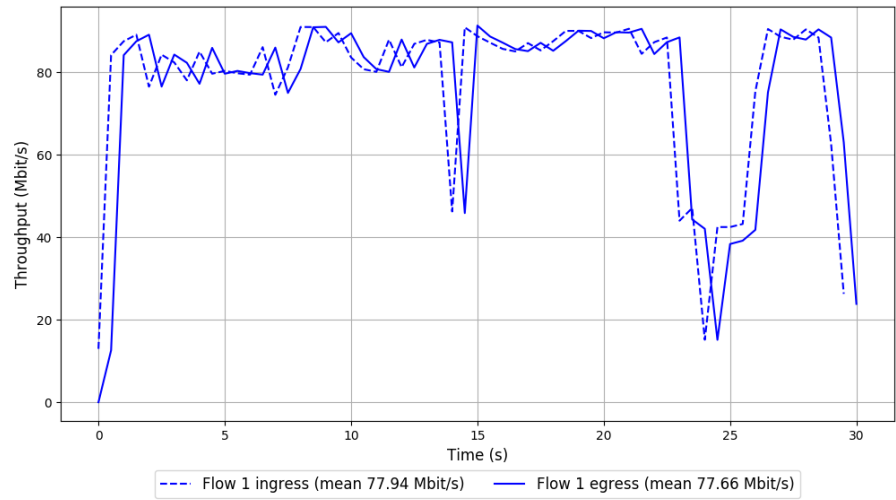
-- Flow 1:

Average throughput: 77.66 Mbit/s

95th percentile per-packet one-way delay: 3.296 ms

Loss rate: 0.35%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-09 22:06:05

End at: 2018-07-09 22:06:35

Local clock offset: 3.794 ms

Remote clock offset: -2.471 ms

Below is generated by plot.py at 2018-07-09 23:27:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.55 Mbit/s

95th percentile per-packet one-way delay: 7.121 ms

Loss rate: 0.29%

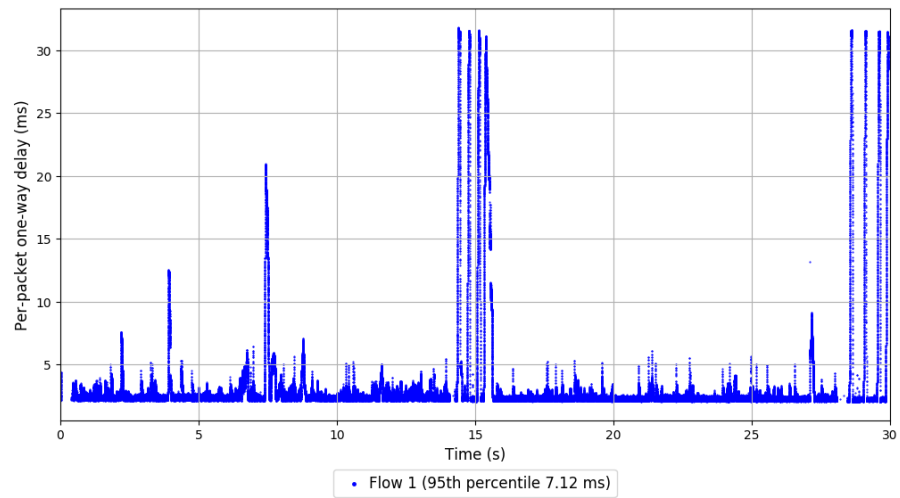
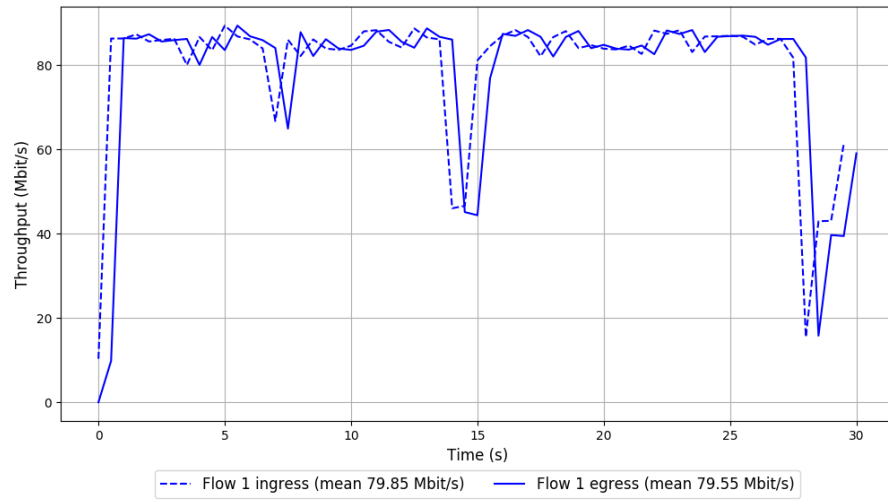
-- Flow 1:

Average throughput: 79.55 Mbit/s

95th percentile per-packet one-way delay: 7.121 ms

Loss rate: 0.29%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-09 22:25:07

End at: 2018-07-09 22:25:37

Local clock offset: 3.09 ms

Remote clock offset: -1.386 ms

Below is generated by plot.py at 2018-07-09 23:27:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.00 Mbit/s

95th percentile per-packet one-way delay: 5.261 ms

Loss rate: 0.27%

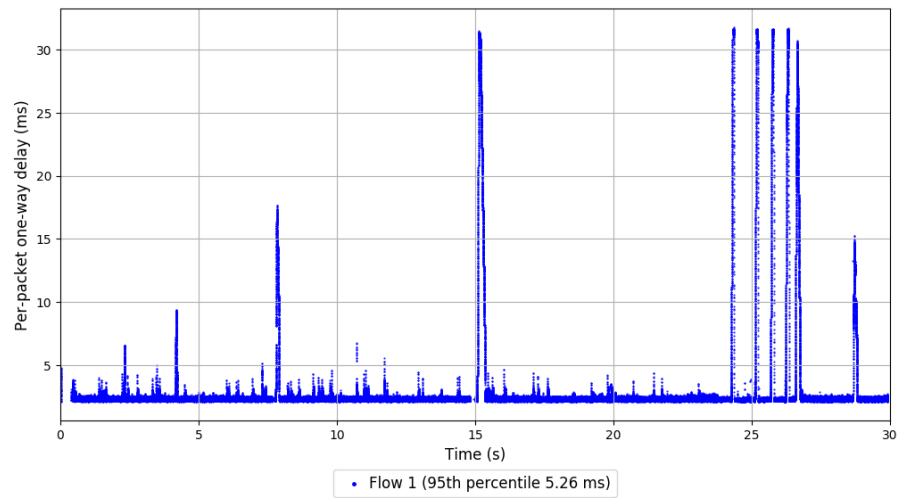
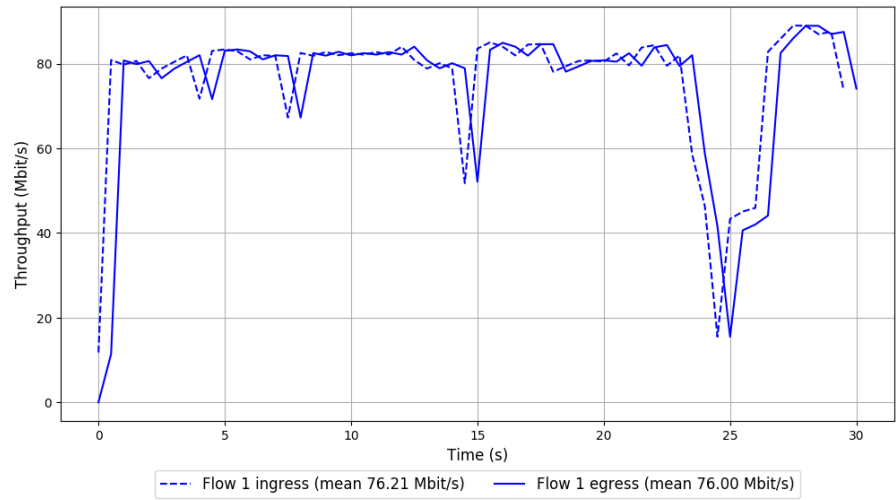
-- Flow 1:

Average throughput: 76.00 Mbit/s

95th percentile per-packet one-way delay: 5.261 ms

Loss rate: 0.27%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-09 22:44:09

End at: 2018-07-09 22:44:39

Local clock offset: 3.166 ms

Remote clock offset: -2.065 ms

Below is generated by plot.py at 2018-07-09 23:28:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.49 Mbit/s

95th percentile per-packet one-way delay: 3.425 ms

Loss rate: 0.21%

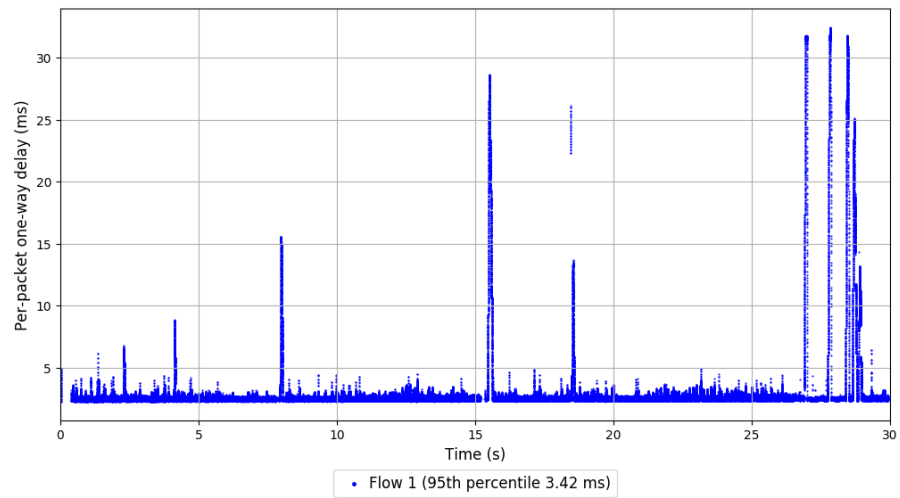
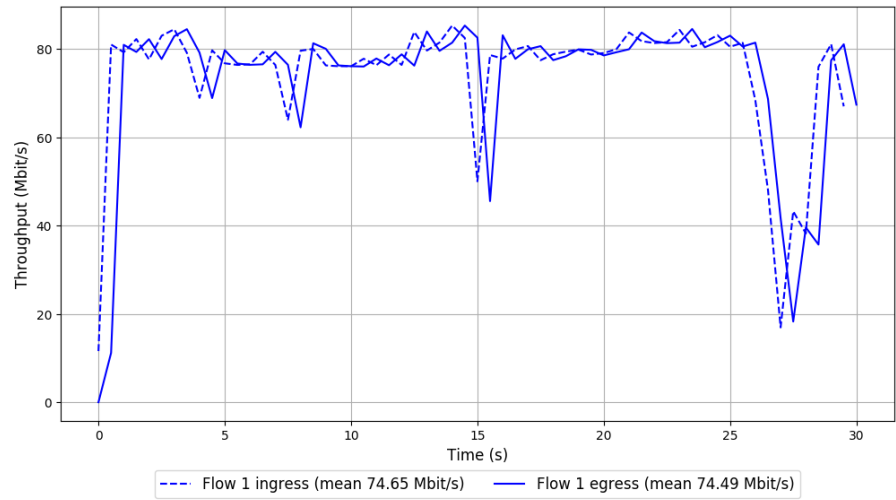
-- Flow 1:

Average throughput: 74.49 Mbit/s

95th percentile per-packet one-way delay: 3.425 ms

Loss rate: 0.21%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-09 23:03:11

End at: 2018-07-09 23:03:41

Local clock offset: 2.877 ms

Remote clock offset: -2.822 ms

Below is generated by plot.py at 2018-07-09 23:28:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.40 Mbit/s

95th percentile per-packet one-way delay: 2.965 ms

Loss rate: 0.05%

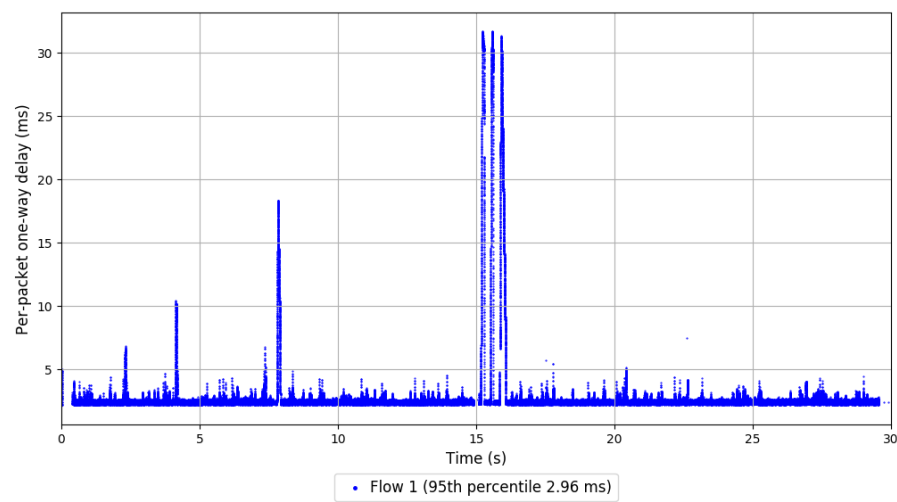
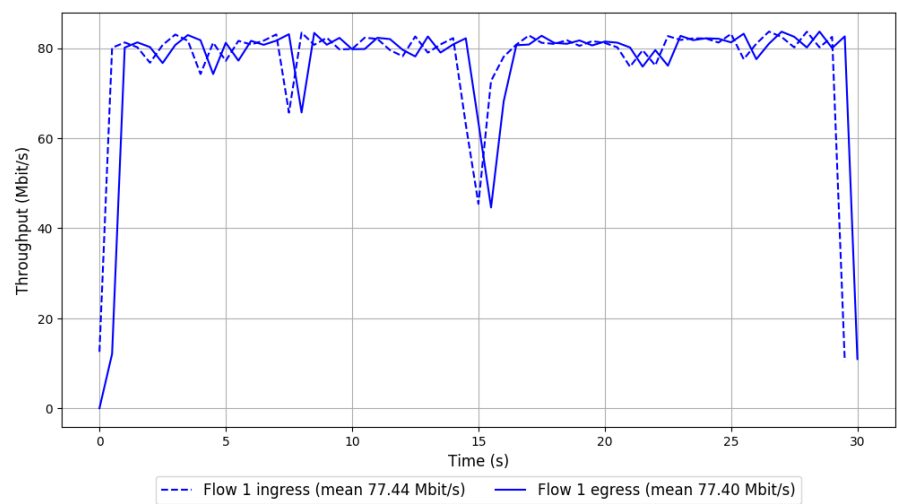
-- Flow 1:

Average throughput: 77.40 Mbit/s

95th percentile per-packet one-way delay: 2.965 ms

Loss rate: 0.05%

Run 10: Report of QUIC Cubic — Data Link

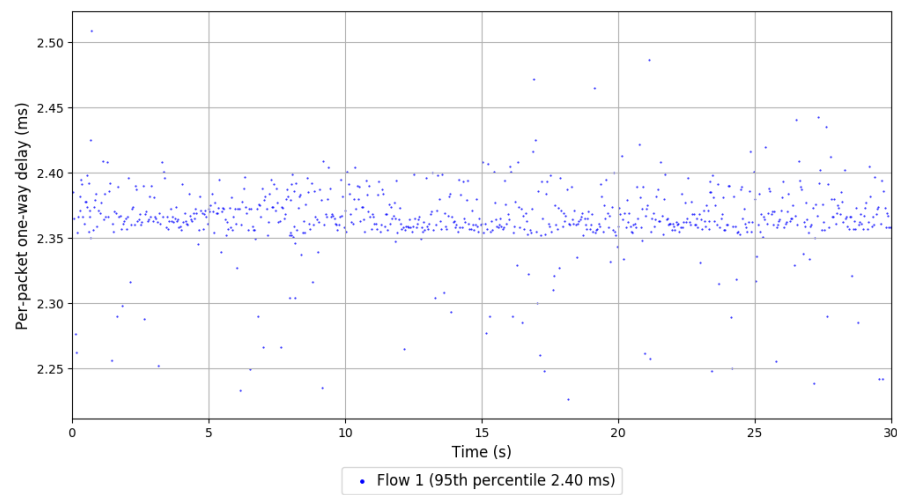
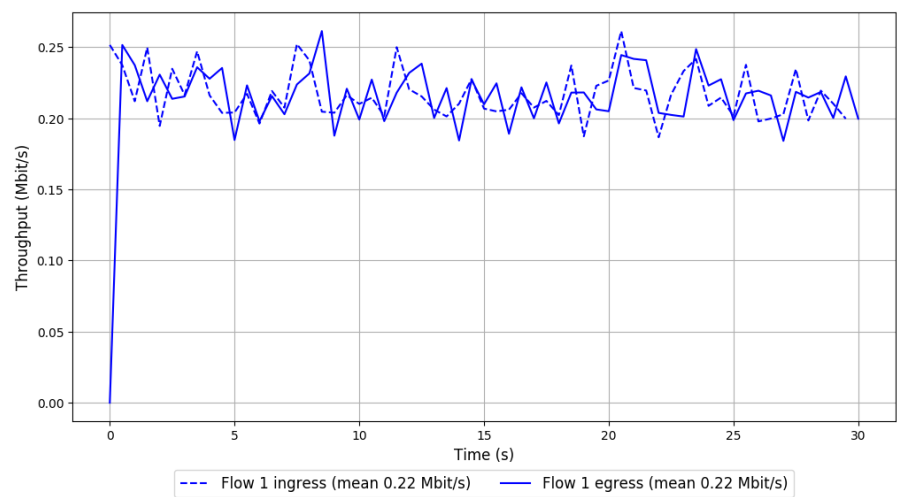


Run 1: Statistics of SCReAM

Start at: 2018-07-09 20:00:39
End at: 2018-07-09 20:01:09
Local clock offset: 4.154 ms
Remote clock offset: -1.896 ms

Below is generated by plot.py at 2018-07-09 23:28:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.399 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.399 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

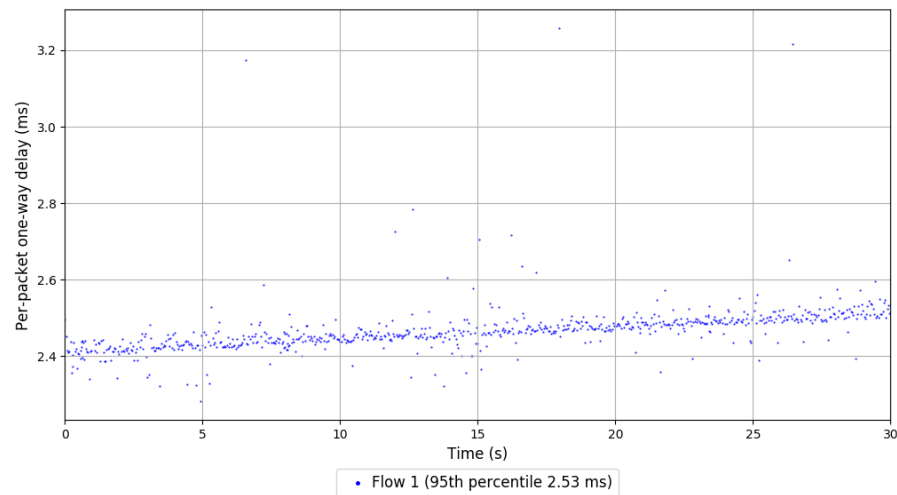
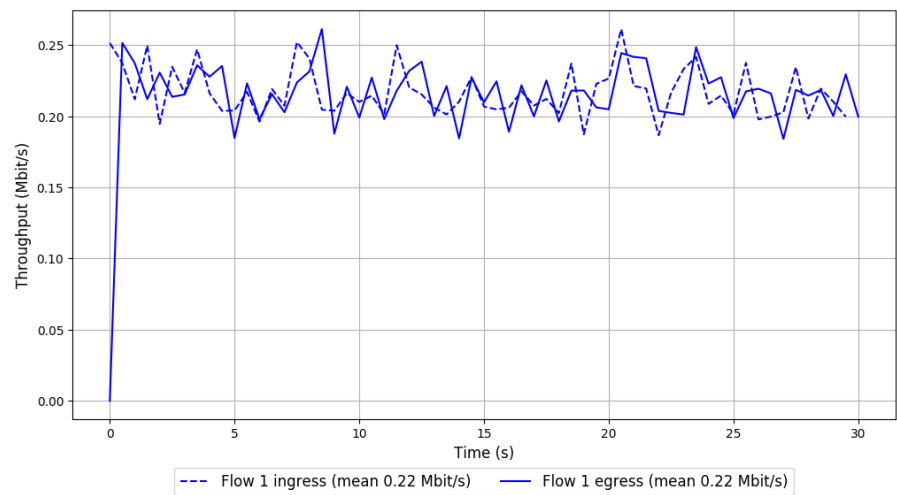


Run 2: Statistics of SCReAM

Start at: 2018-07-09 20:19:38
End at: 2018-07-09 20:20:08
Local clock offset: 4.276 ms
Remote clock offset: -2.276 ms

Below is generated by plot.py at 2018-07-09 23:28:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.528 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.528 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

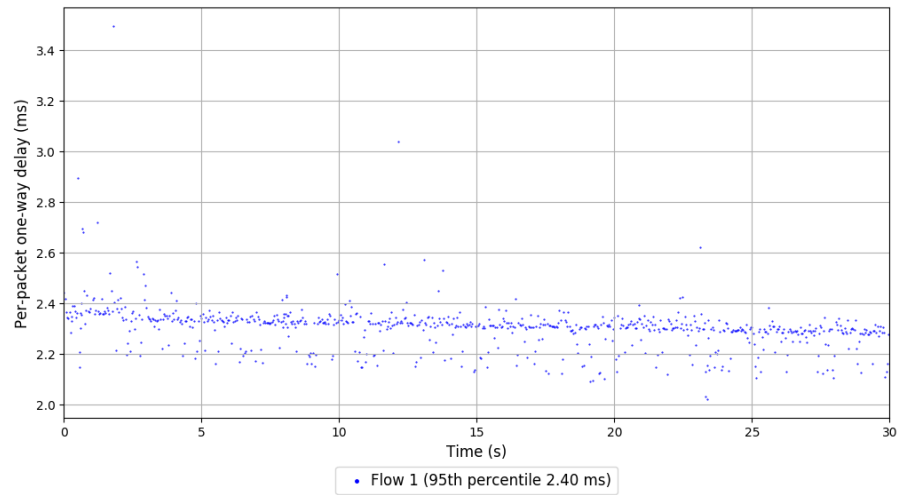
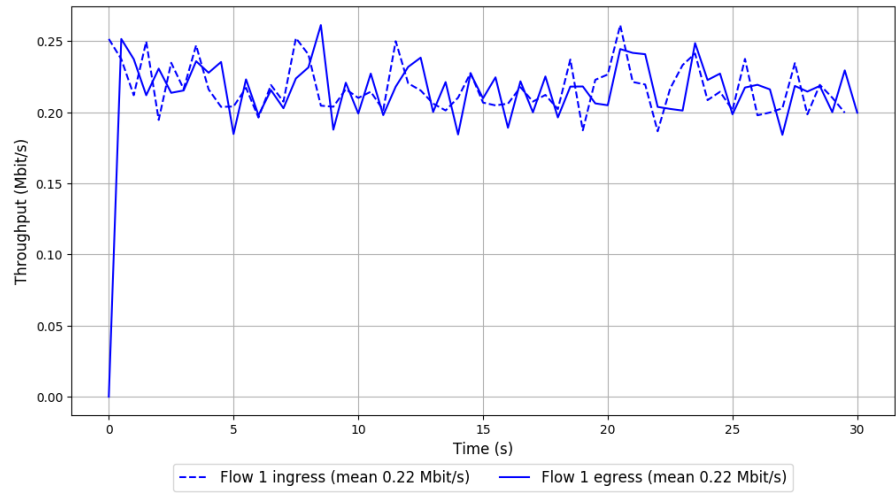


Run 3: Statistics of SCReAM

Start at: 2018-07-09 20:38:41
End at: 2018-07-09 20:39:11
Local clock offset: 2.144 ms
Remote clock offset: -1.873 ms

Below is generated by plot.py at 2018-07-09 23:28:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.403 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.403 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

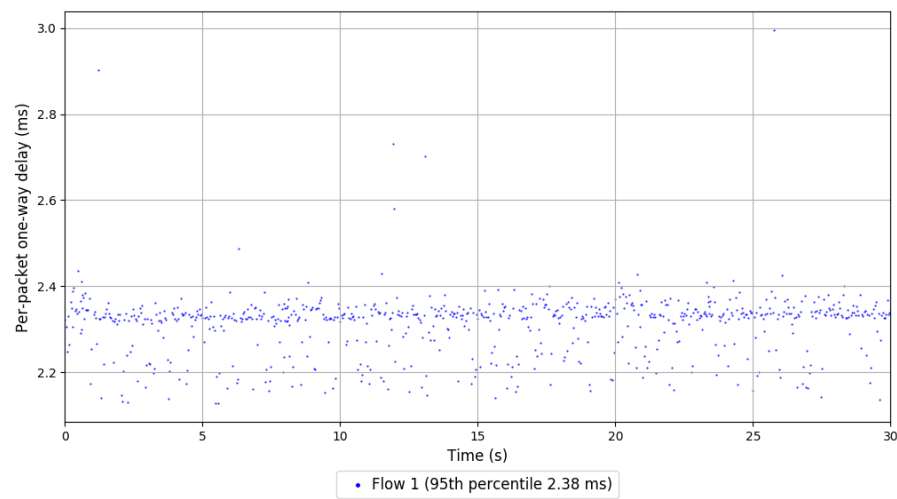
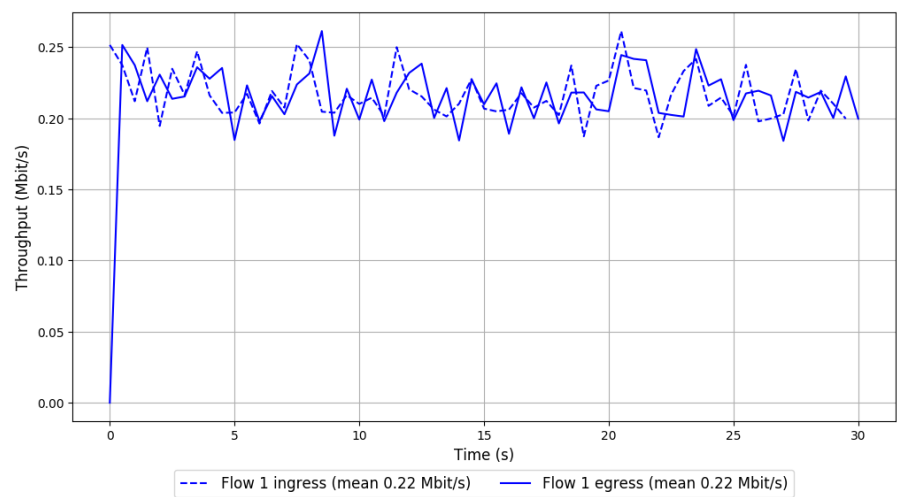


Run 4: Statistics of SCReAM

Start at: 2018-07-09 20:57:42
End at: 2018-07-09 20:58:12
Local clock offset: 2.315 ms
Remote clock offset: -1.892 ms

Below is generated by plot.py at 2018-07-09 23:28:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.380 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.380 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

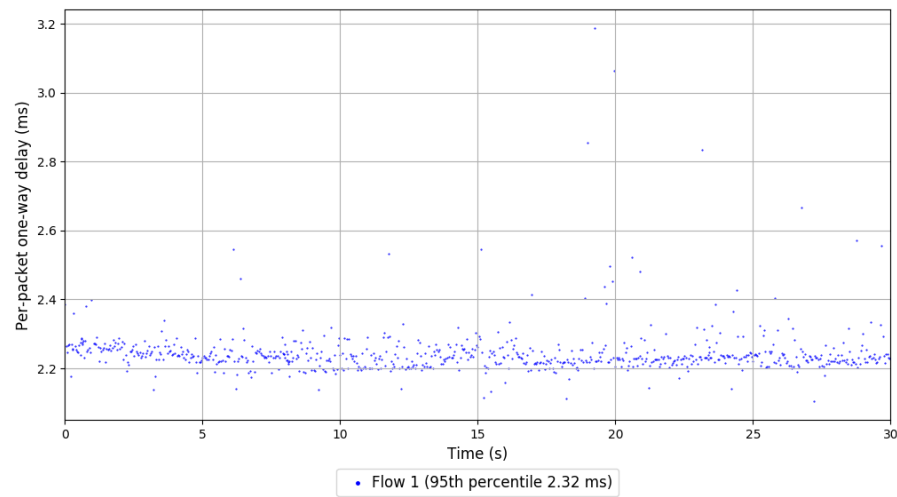
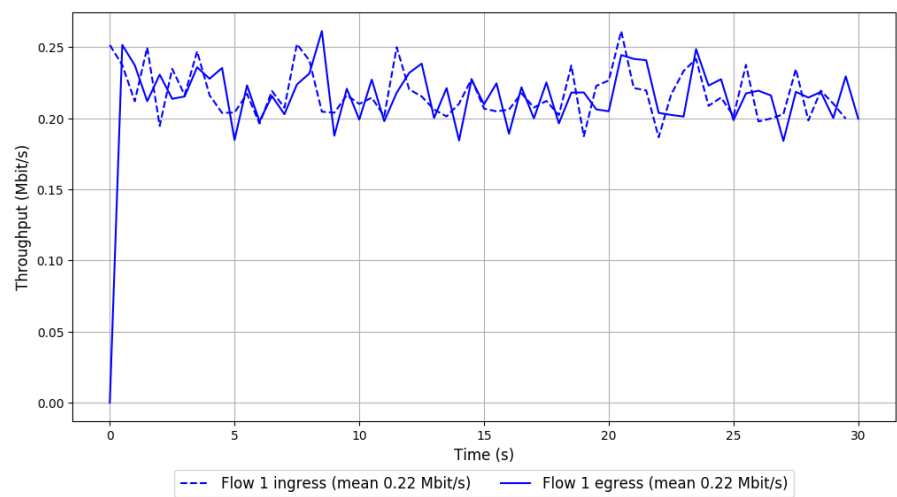


Run 5: Statistics of SCReAM

Start at: 2018-07-09 21:16:45
End at: 2018-07-09 21:17:15
Local clock offset: 2.601 ms
Remote clock offset: -2.234 ms

Below is generated by plot.py at 2018-07-09 23:28:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.318 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.318 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

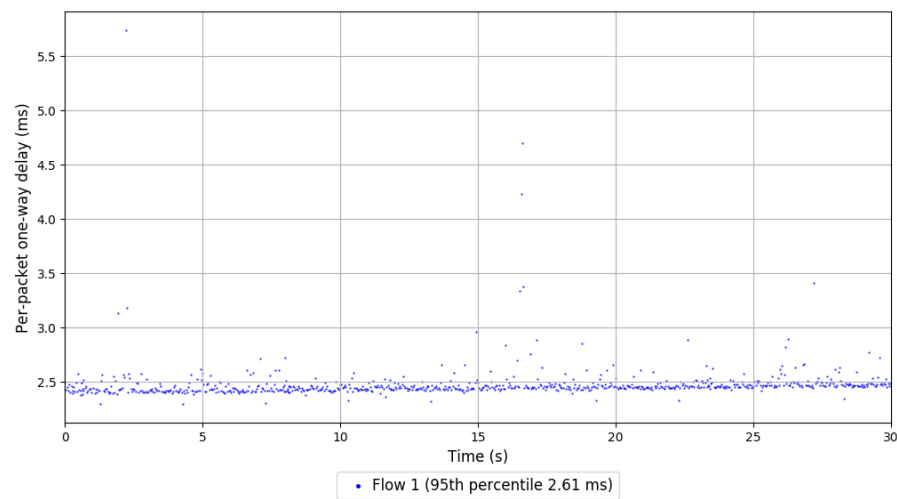
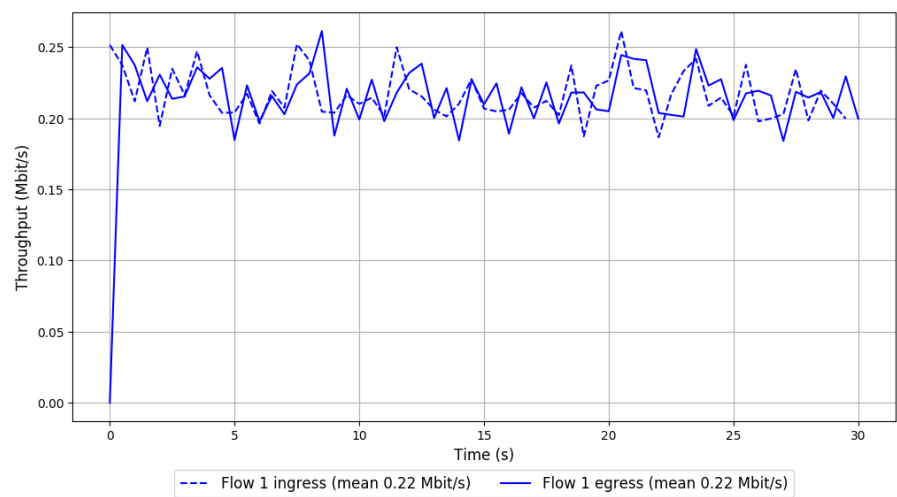


Run 6: Statistics of SCReAM

Start at: 2018-07-09 21:35:47
End at: 2018-07-09 21:36:17
Local clock offset: 3.738 ms
Remote clock offset: -2.498 ms

Below is generated by plot.py at 2018-07-09 23:28:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.609 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.609 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

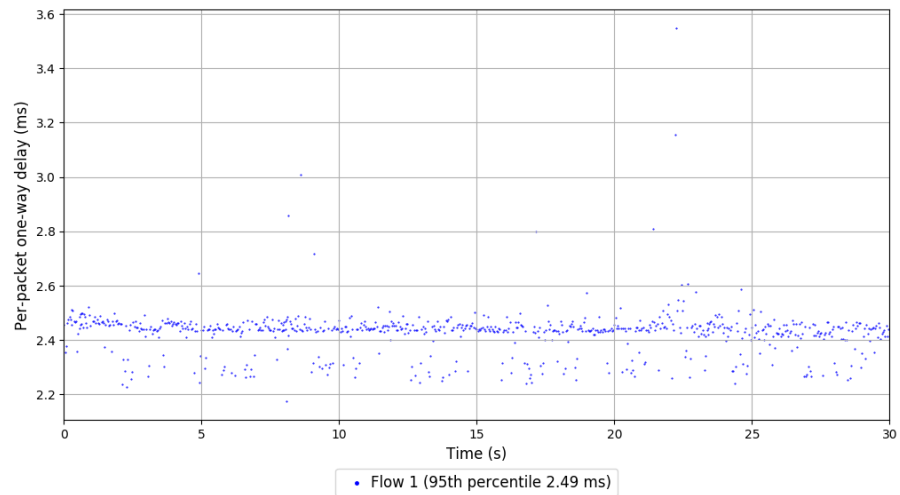
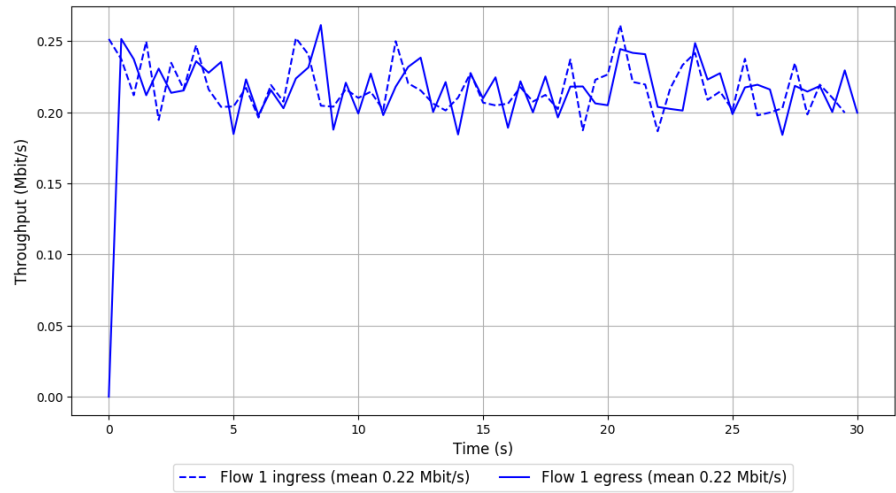


Run 7: Statistics of SCReAM

Start at: 2018-07-09 21:54:50
End at: 2018-07-09 21:55:20
Local clock offset: 4.054 ms
Remote clock offset: -2.732 ms

Below is generated by plot.py at 2018-07-09 23:28:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.493 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.493 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

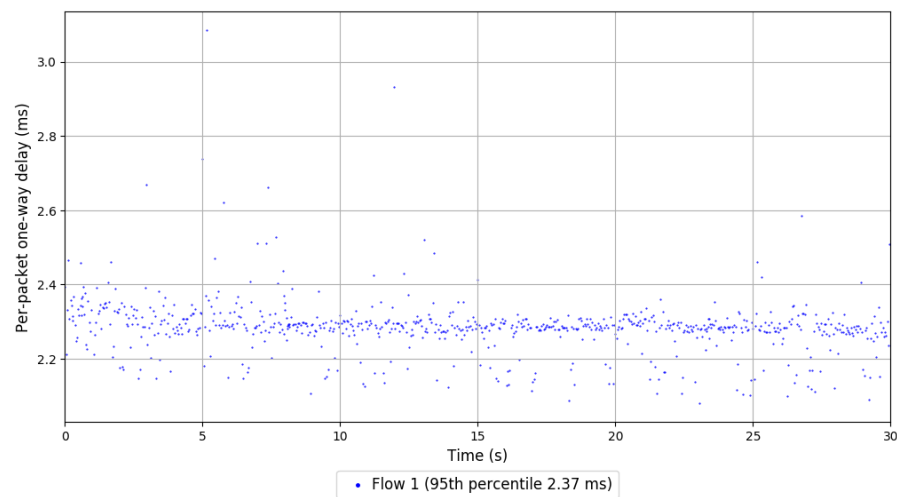
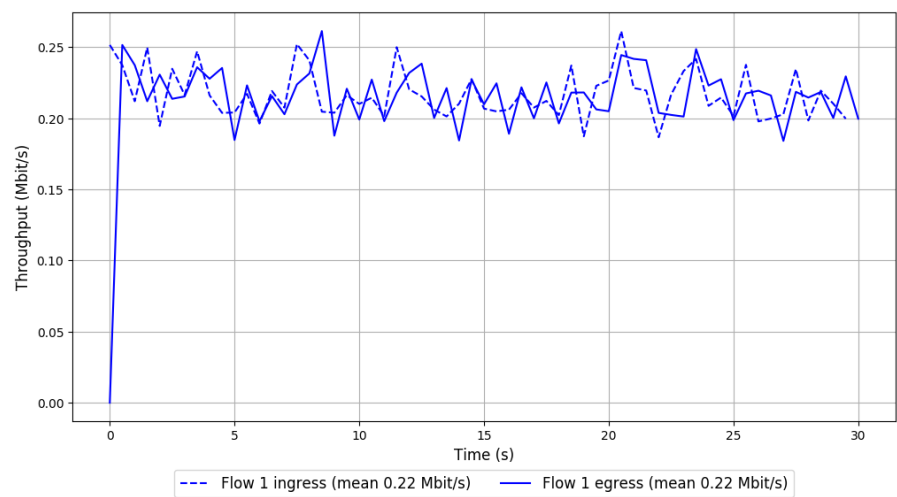


Run 8: Statistics of SCReAM

Start at: 2018-07-09 22:13:57
End at: 2018-07-09 22:14:27
Local clock offset: 3.432 ms
Remote clock offset: -1.746 ms

Below is generated by plot.py at 2018-07-09 23:28:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.370 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.370 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

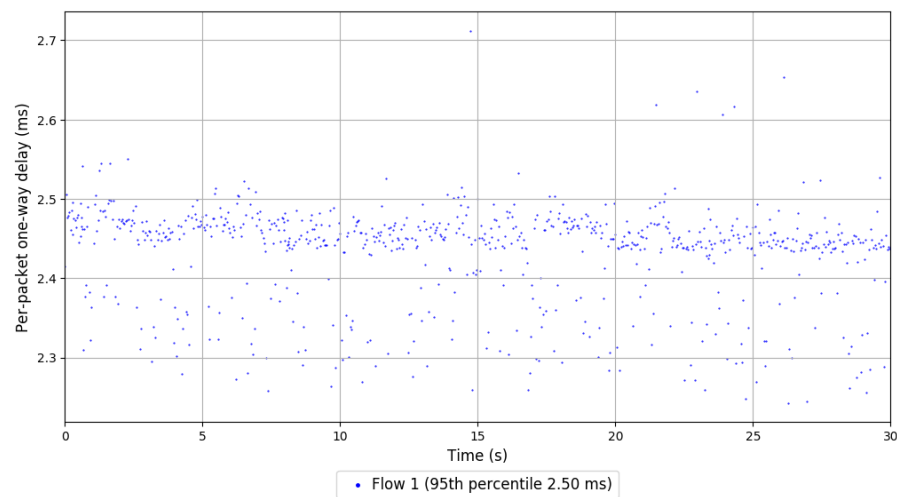
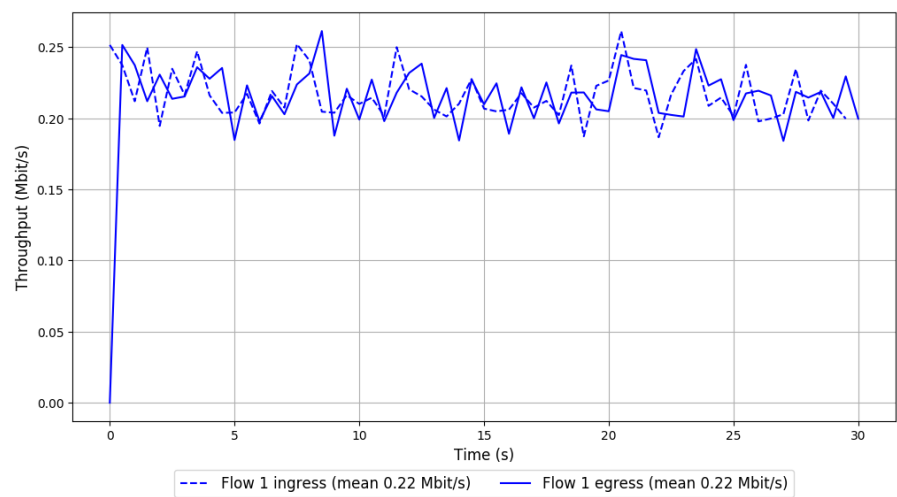


Run 9: Statistics of SCReAM

Start at: 2018-07-09 22:32:59
End at: 2018-07-09 22:33:29
Local clock offset: 2.969 ms
Remote clock offset: -1.183 ms

Below is generated by plot.py at 2018-07-09 23:28:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.498 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.498 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

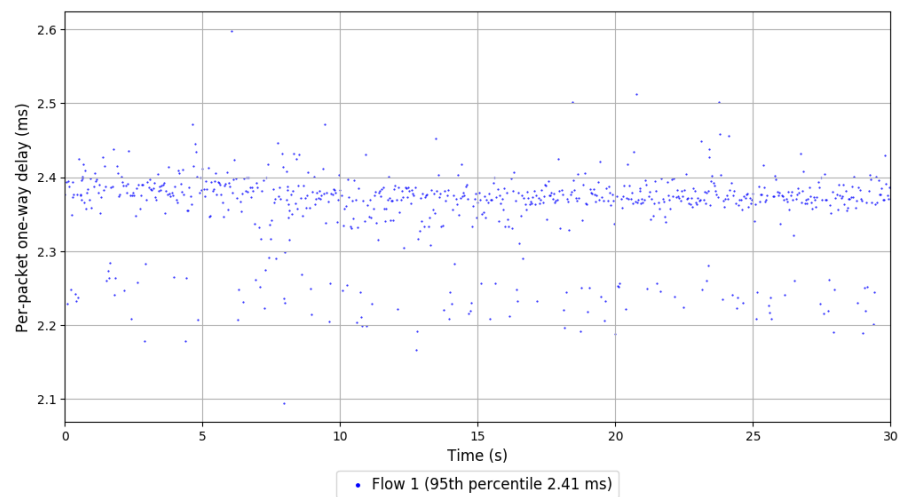
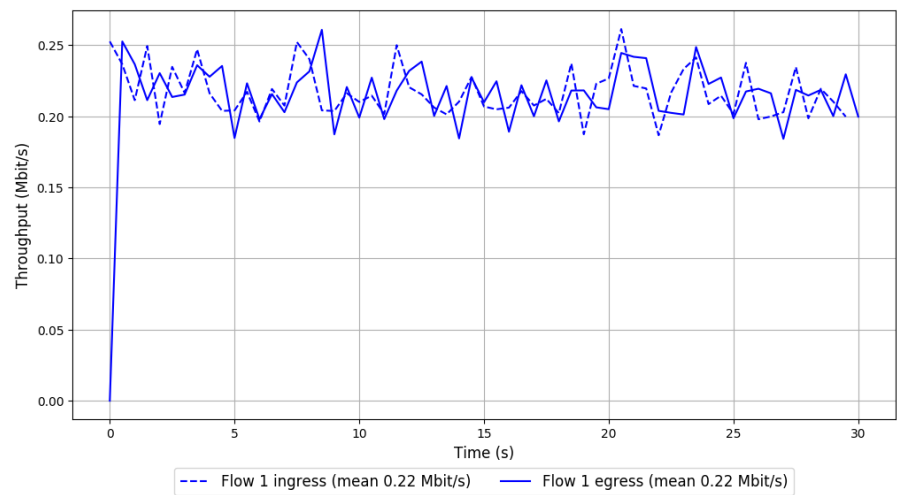


Run 10: Statistics of SCReAM

Start at: 2018-07-09 22:52:01
End at: 2018-07-09 22:52:31
Local clock offset: 3.336 ms
Remote clock offset: -2.517 ms

Below is generated by plot.py at 2018-07-09 23:28:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.414 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.414 ms
Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link

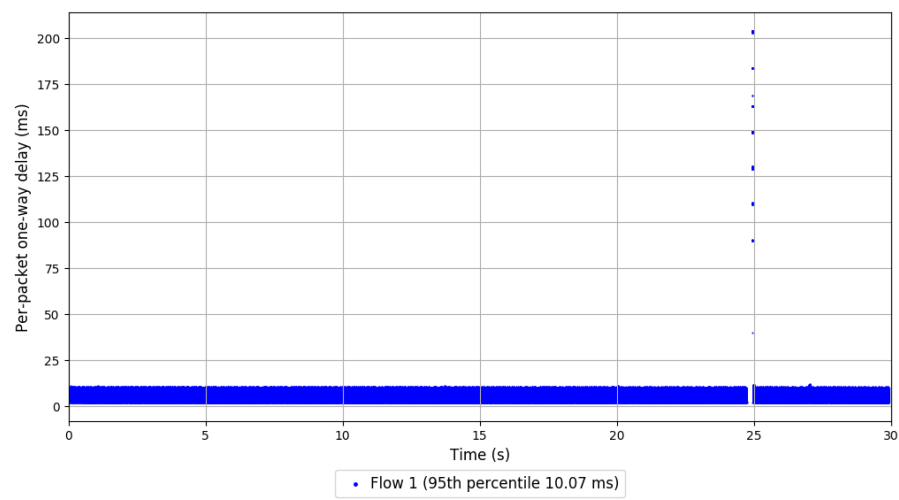
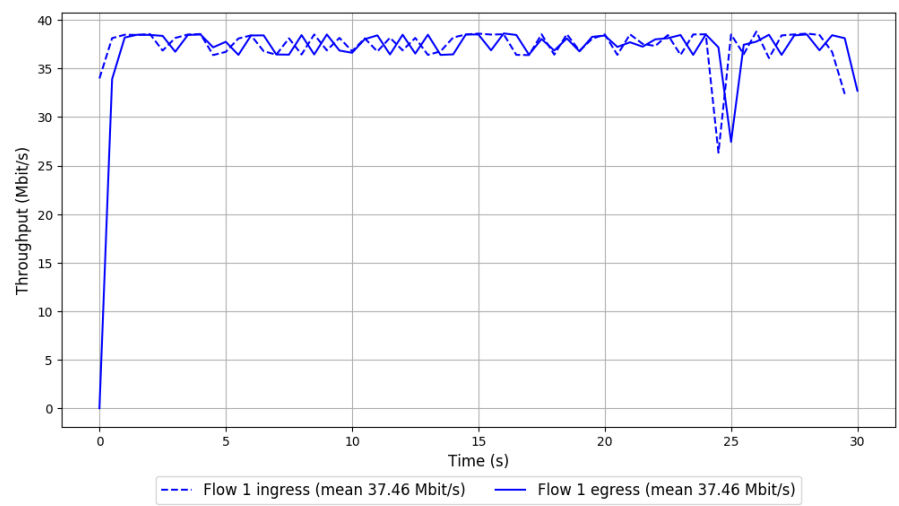


Run 1: Statistics of Sprout

Start at: 2018-07-09 20:06:14
End at: 2018-07-09 20:06:44
Local clock offset: 3.656 ms
Remote clock offset: -2.032 ms

Below is generated by plot.py at 2018-07-09 23:28:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.46 Mbit/s
95th percentile per-packet one-way delay: 10.073 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.46 Mbit/s
95th percentile per-packet one-way delay: 10.073 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

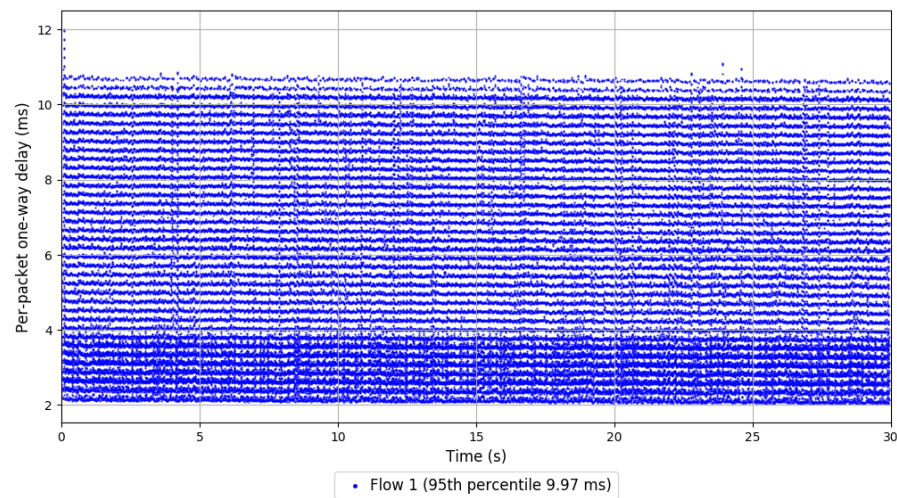
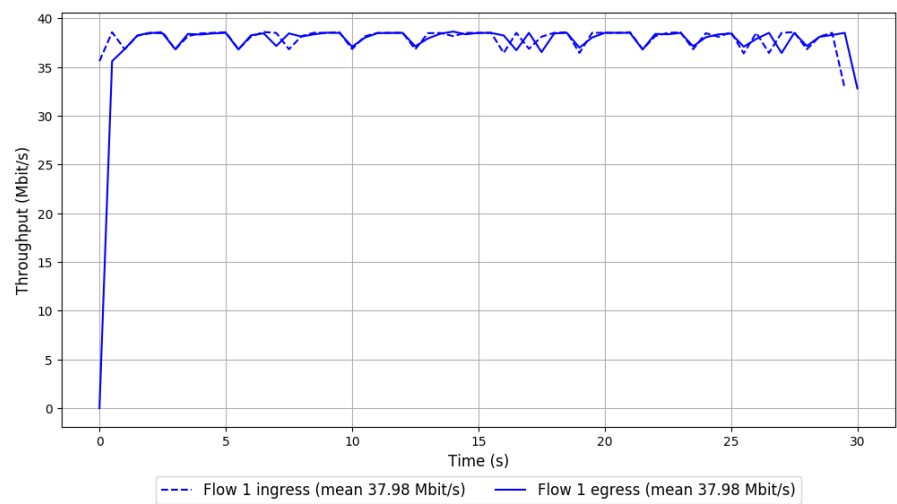


Run 2: Statistics of Sprout

Start at: 2018-07-09 20:25:13
End at: 2018-07-09 20:25:43
Local clock offset: 3.966 ms
Remote clock offset: -2.114 ms

Below is generated by plot.py at 2018-07-09 23:28:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.98 Mbit/s
95th percentile per-packet one-way delay: 9.968 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.98 Mbit/s
95th percentile per-packet one-way delay: 9.968 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

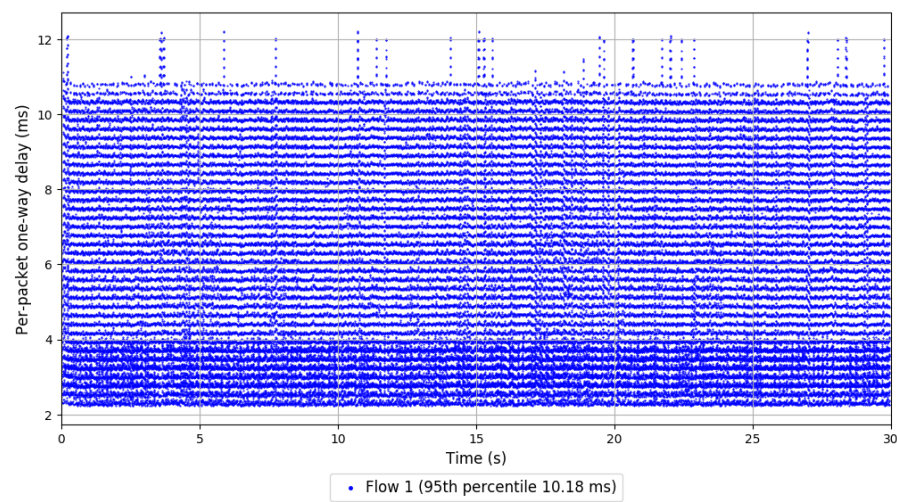
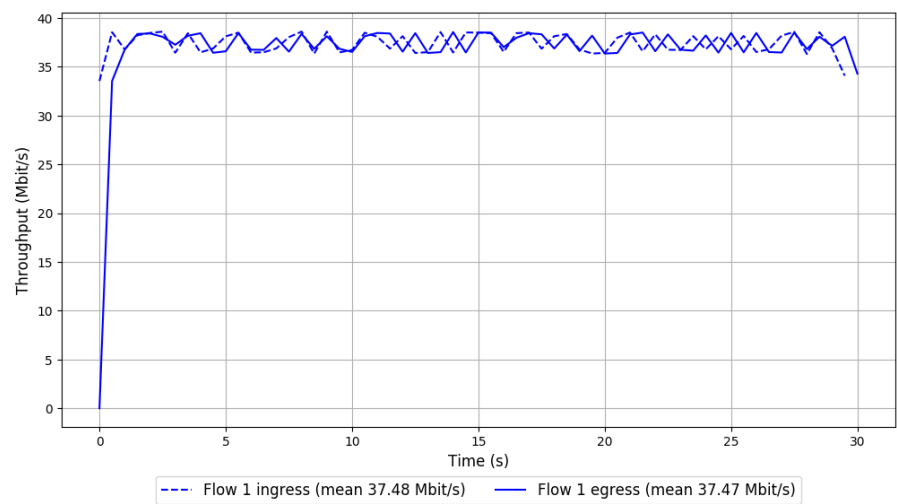


Run 3: Statistics of Sprout

Start at: 2018-07-09 20:44:16
End at: 2018-07-09 20:44:46
Local clock offset: 1.857 ms
Remote clock offset: -1.832 ms

Below is generated by plot.py at 2018-07-09 23:28:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.47 Mbit/s
95th percentile per-packet one-way delay: 10.182 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.47 Mbit/s
95th percentile per-packet one-way delay: 10.182 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

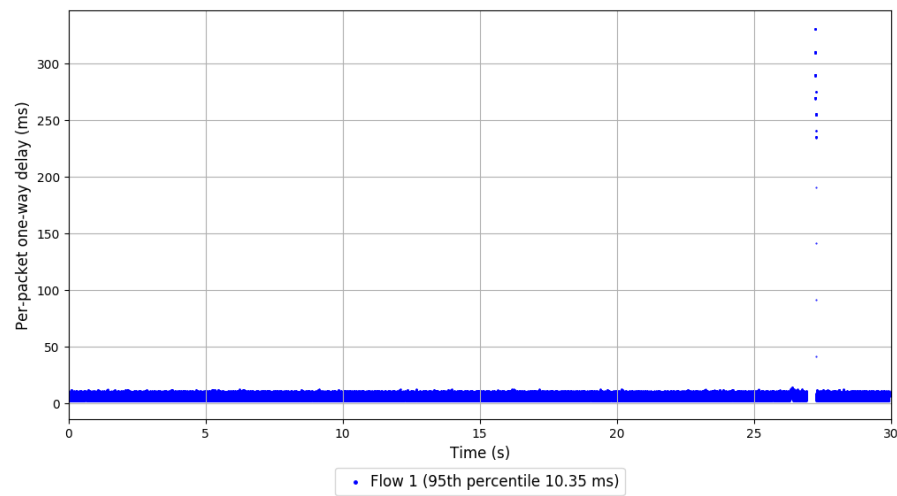
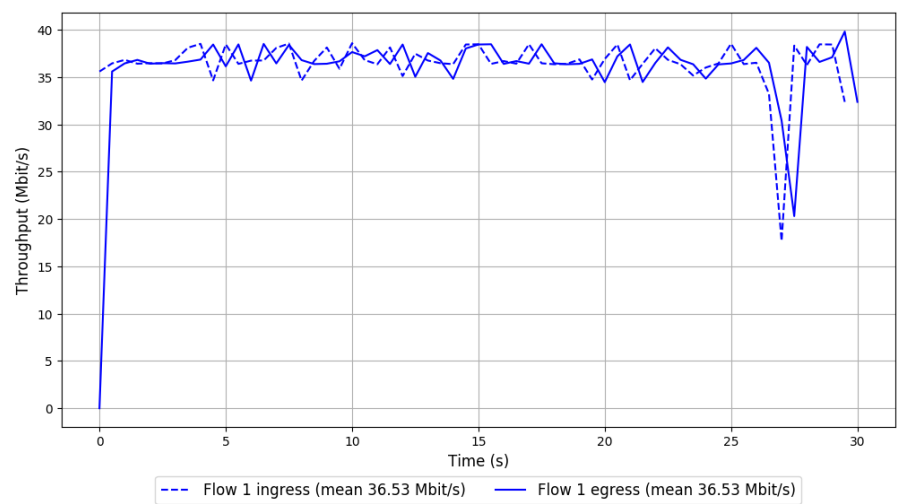


Run 4: Statistics of Sprout

Start at: 2018-07-09 21:03:17
End at: 2018-07-09 21:03:47
Local clock offset: 2.326 ms
Remote clock offset: -1.941 ms

Below is generated by plot.py at 2018-07-09 23:28:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 36.53 Mbit/s
95th percentile per-packet one-way delay: 10.349 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 36.53 Mbit/s
95th percentile per-packet one-way delay: 10.349 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

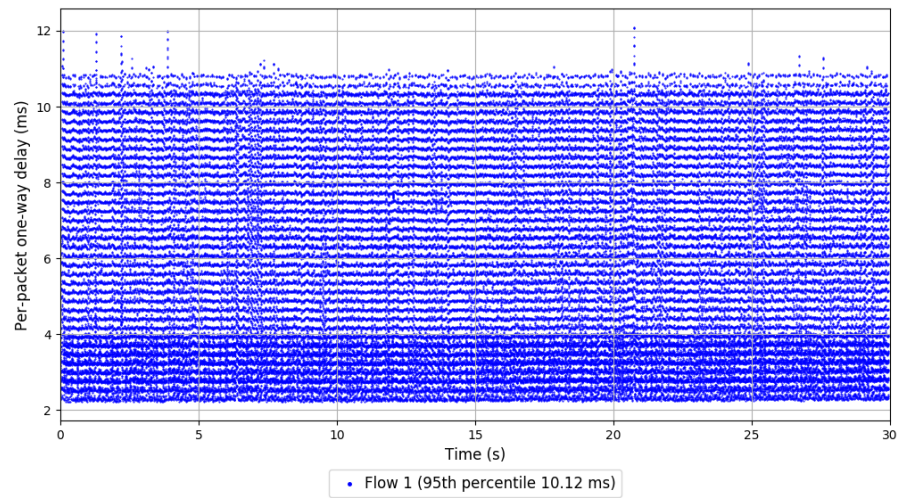
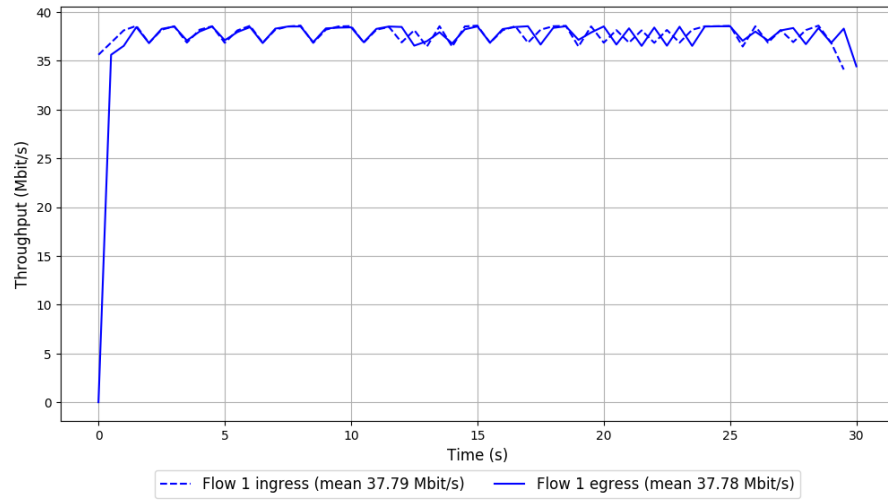


Run 5: Statistics of Sprout

Start at: 2018-07-09 21:22:20
End at: 2018-07-09 21:22:50
Local clock offset: 2.744 ms
Remote clock offset: -2.144 ms

Below is generated by plot.py at 2018-07-09 23:28:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.78 Mbit/s
95th percentile per-packet one-way delay: 10.119 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.78 Mbit/s
95th percentile per-packet one-way delay: 10.119 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

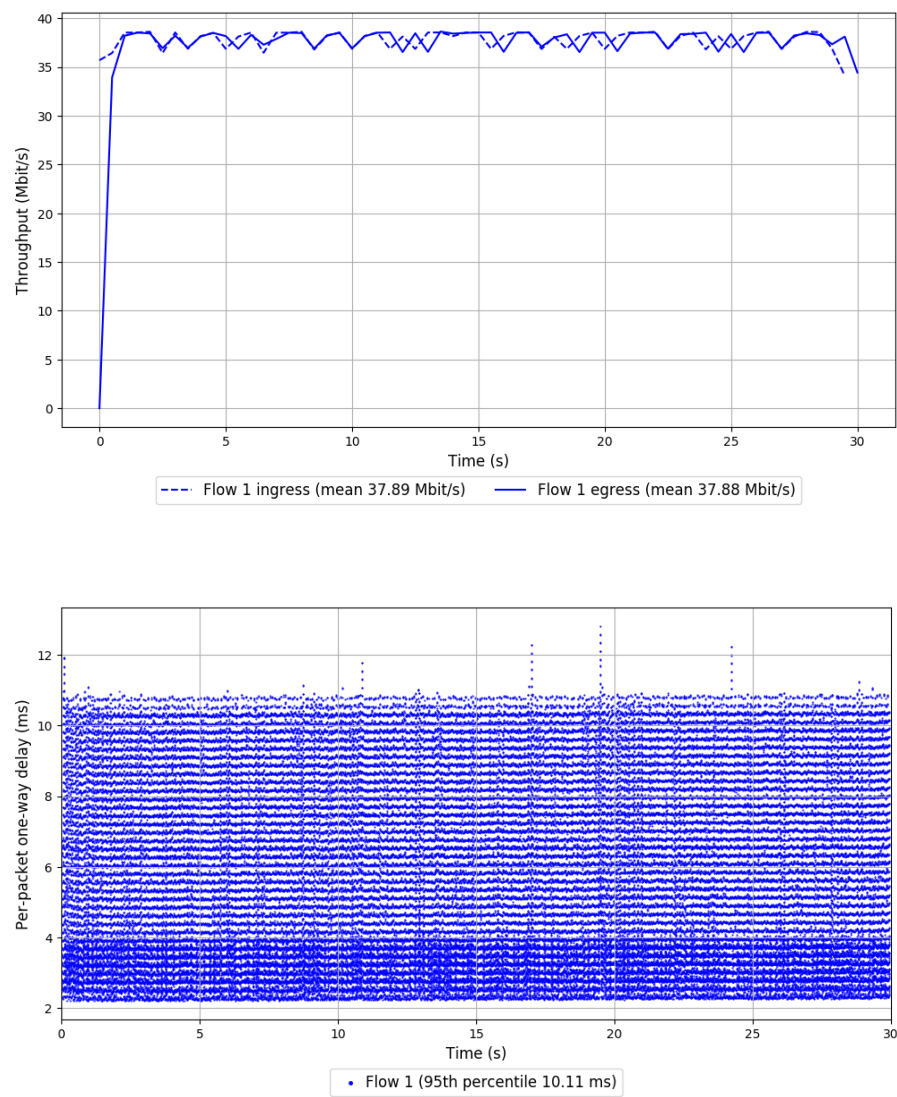


Run 6: Statistics of Sprout

Start at: 2018-07-09 21:41:22
End at: 2018-07-09 21:41:52
Local clock offset: 4.395 ms
Remote clock offset: -2.591 ms

Below is generated by plot.py at 2018-07-09 23:28:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.88 Mbit/s
95th percentile per-packet one-way delay: 10.112 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.88 Mbit/s
95th percentile per-packet one-way delay: 10.112 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

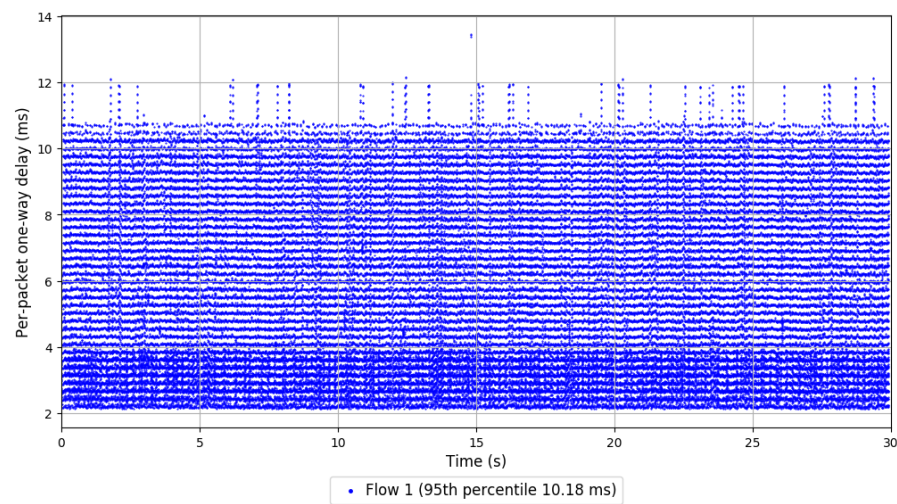
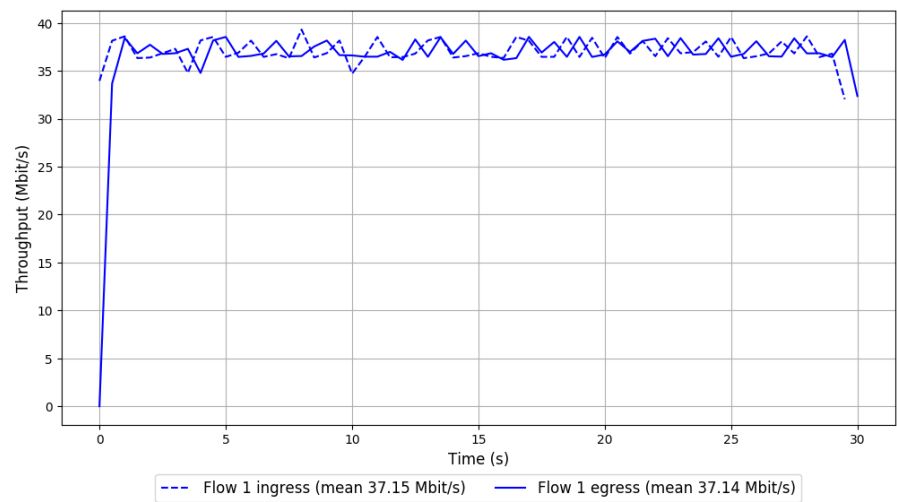


Run 7: Statistics of Sprout

Start at: 2018-07-09 22:00:30
End at: 2018-07-09 22:01:00
Local clock offset: 3.932 ms
Remote clock offset: -2.856 ms

Below is generated by plot.py at 2018-07-09 23:28:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.14 Mbit/s
95th percentile per-packet one-way delay: 10.182 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.14 Mbit/s
95th percentile per-packet one-way delay: 10.182 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

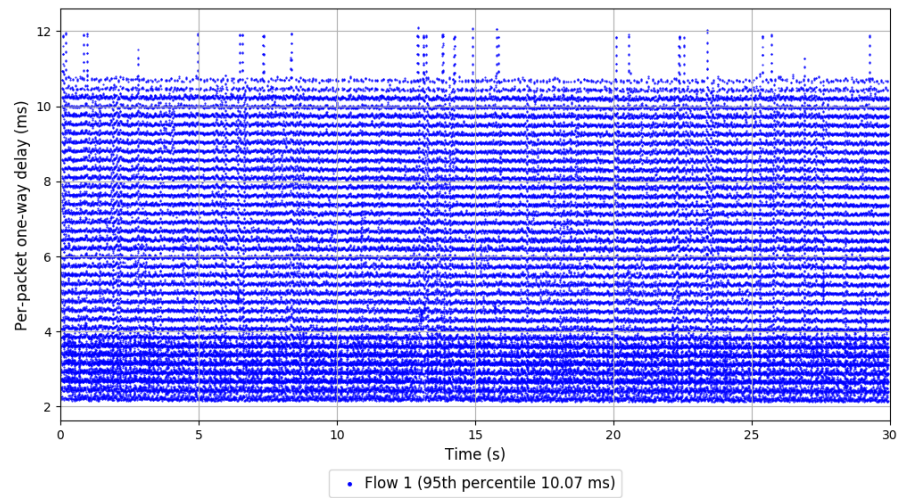
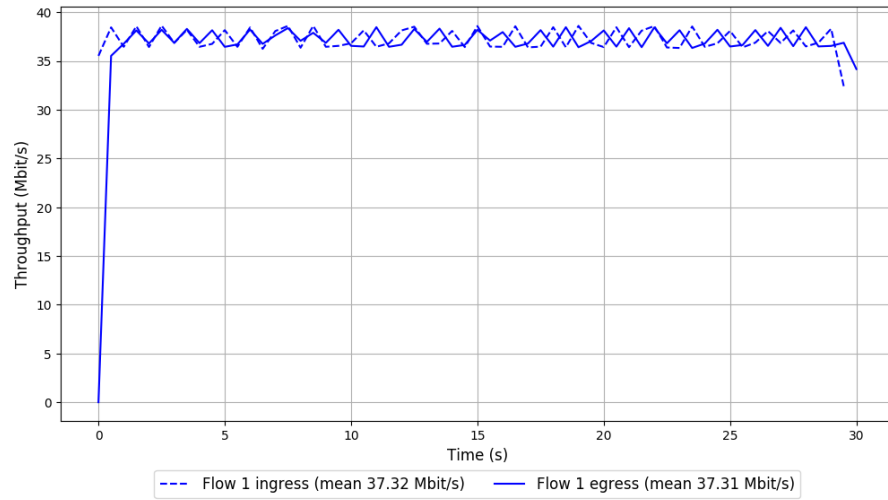


Run 8: Statistics of Sprout

Start at: 2018-07-09 22:19:32
End at: 2018-07-09 22:20:02
Local clock offset: 3.211 ms
Remote clock offset: -1.536 ms

Below is generated by plot.py at 2018-07-09 23:28:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.31 Mbit/s
95th percentile per-packet one-way delay: 10.071 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.31 Mbit/s
95th percentile per-packet one-way delay: 10.071 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

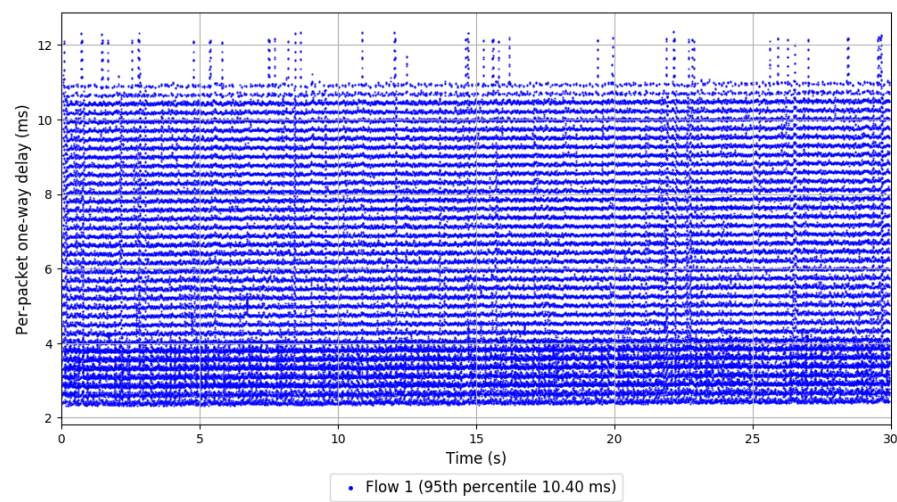
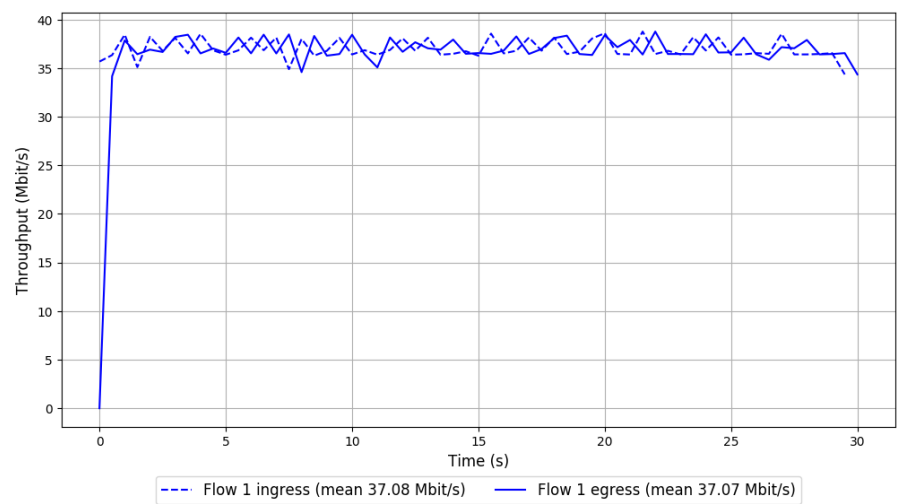


Run 9: Statistics of Sprout

Start at: 2018-07-09 22:38:34
End at: 2018-07-09 22:39:04
Local clock offset: 3.048 ms
Remote clock offset: -1.311 ms

Below is generated by plot.py at 2018-07-09 23:28:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.07 Mbit/s
95th percentile per-packet one-way delay: 10.405 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.07 Mbit/s
95th percentile per-packet one-way delay: 10.405 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-07-09 22:57:36

End at: 2018-07-09 22:58:06

Local clock offset: 2.933 ms

Remote clock offset: -2.763 ms

Below is generated by plot.py at 2018-07-09 23:28:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 37.15 Mbit/s

95th percentile per-packet one-way delay: 10.245 ms

Loss rate: 0.00%

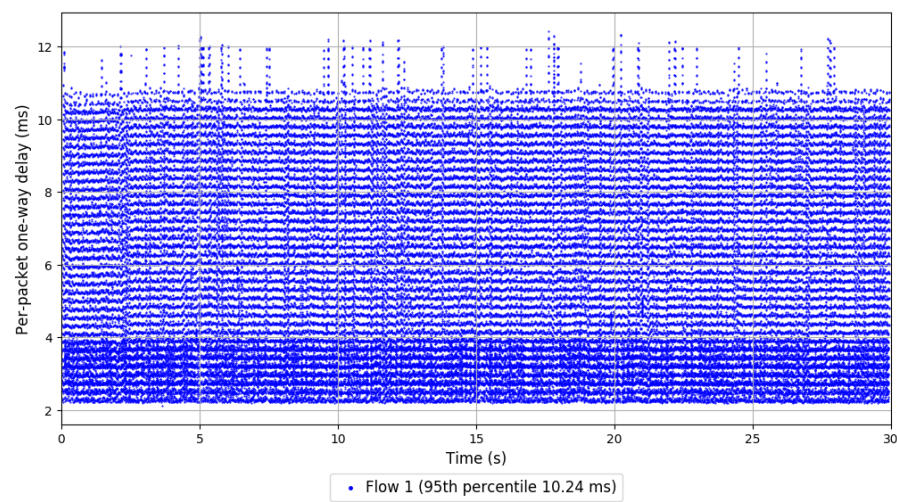
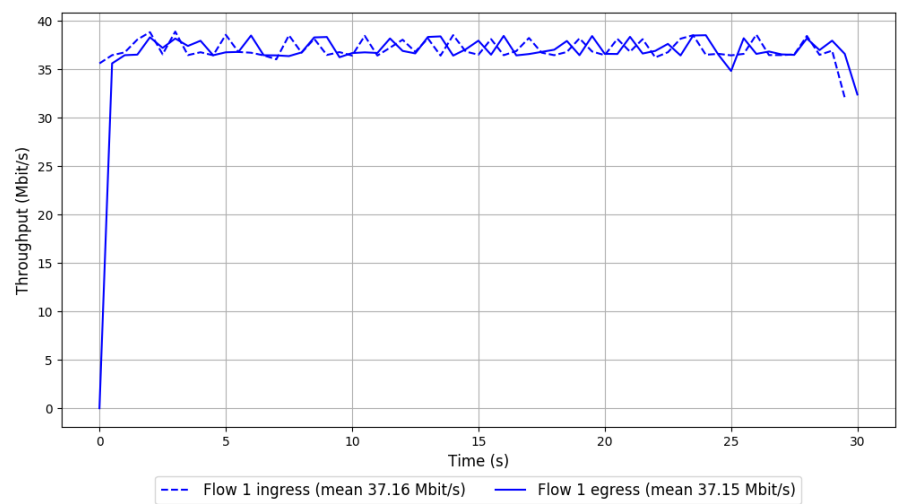
-- Flow 1:

Average throughput: 37.15 Mbit/s

95th percentile per-packet one-way delay: 10.245 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-07-09 20:03:56

End at: 2018-07-09 20:04:26

Local clock offset: 4.145 ms

Remote clock offset: -2.021 ms

Below is generated by plot.py at 2018-07-09 23:30:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.08 Mbit/s

95th percentile per-packet one-way delay: 2.443 ms

Loss rate: 0.00%

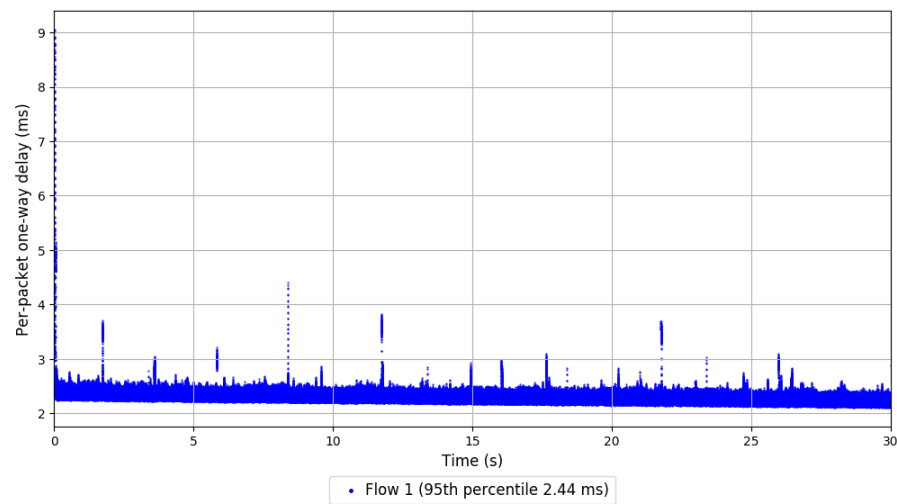
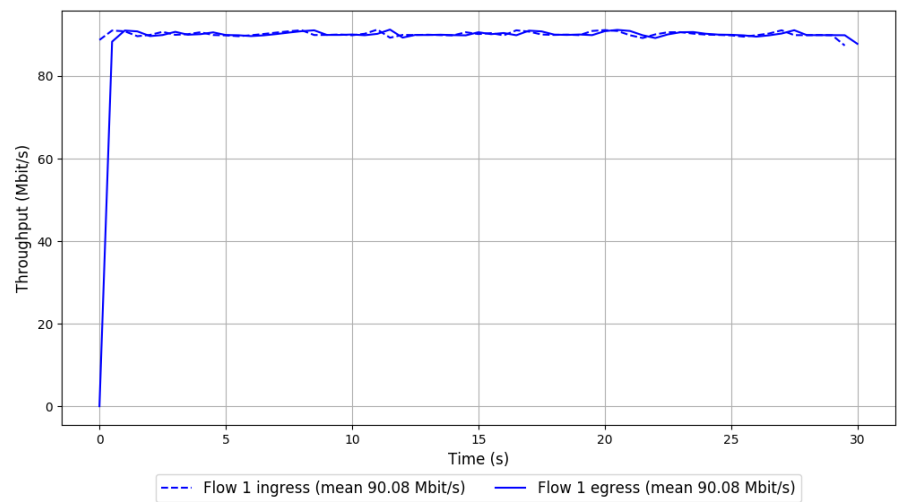
-- Flow 1:

Average throughput: 90.08 Mbit/s

95th percentile per-packet one-way delay: 2.443 ms

Loss rate: 0.00%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-07-09 20:22:55

End at: 2018-07-09 20:23:25

Local clock offset: 4.537 ms

Remote clock offset: -2.212 ms

Below is generated by plot.py at 2018-07-09 23:30:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.03 Mbit/s

95th percentile per-packet one-way delay: 2.195 ms

Loss rate: 0.00%

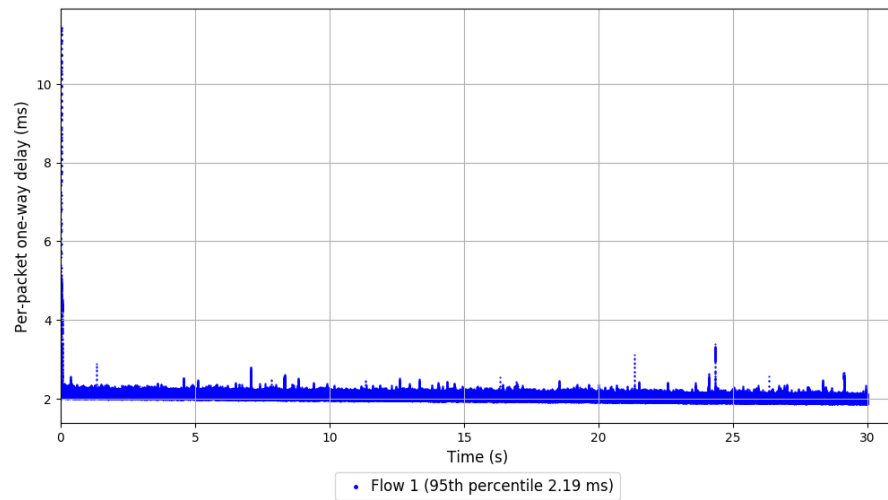
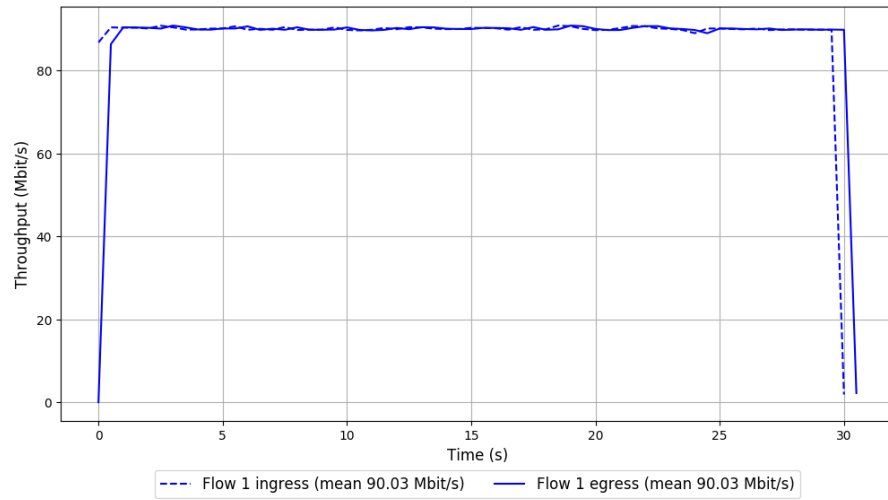
-- Flow 1:

Average throughput: 90.03 Mbit/s

95th percentile per-packet one-way delay: 2.195 ms

Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-09 20:41:58

End at: 2018-07-09 20:42:28

Local clock offset: 1.939 ms

Remote clock offset: -1.842 ms

Below is generated by plot.py at 2018-07-09 23:30:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.47 Mbit/s

95th percentile per-packet one-way delay: 2.832 ms

Loss rate: 0.00%

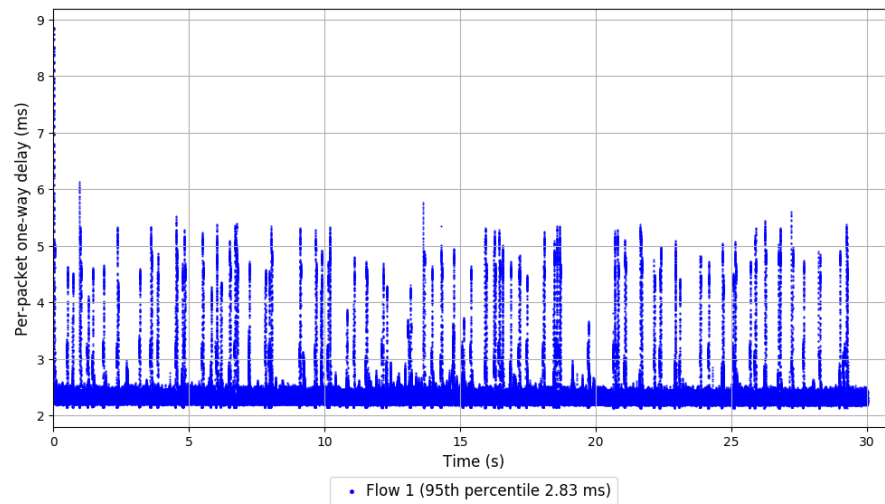
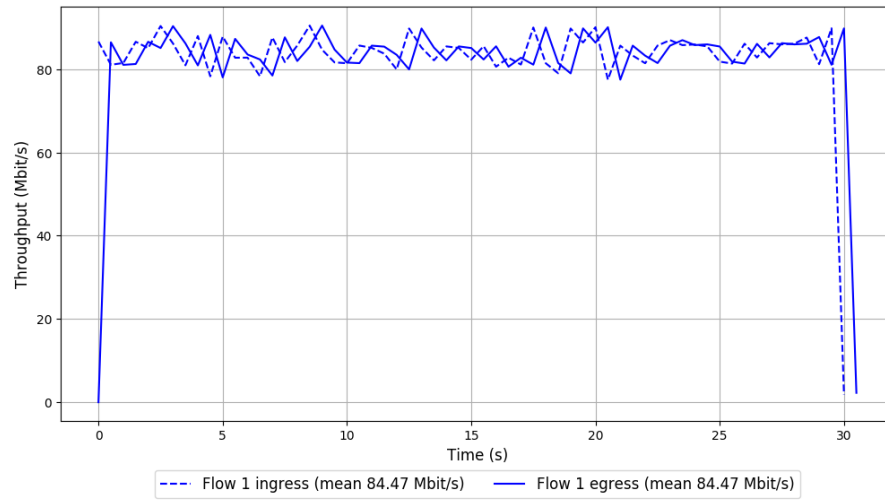
-- Flow 1:

Average throughput: 84.47 Mbit/s

95th percentile per-packet one-way delay: 2.832 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-09 21:00:59

End at: 2018-07-09 21:01:29

Local clock offset: 2.307 ms

Remote clock offset: -1.888 ms

Below is generated by plot.py at 2018-07-09 23:30:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.82 Mbit/s

95th percentile per-packet one-way delay: 2.852 ms

Loss rate: 0.00%

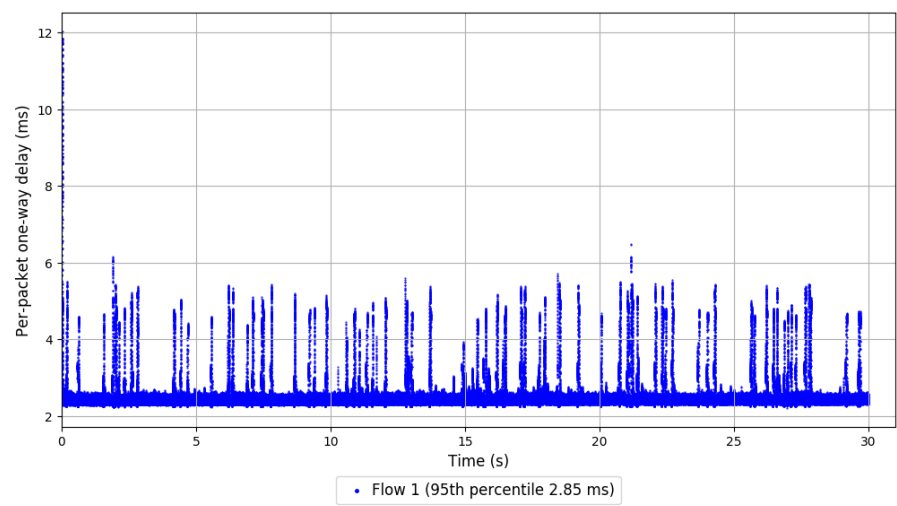
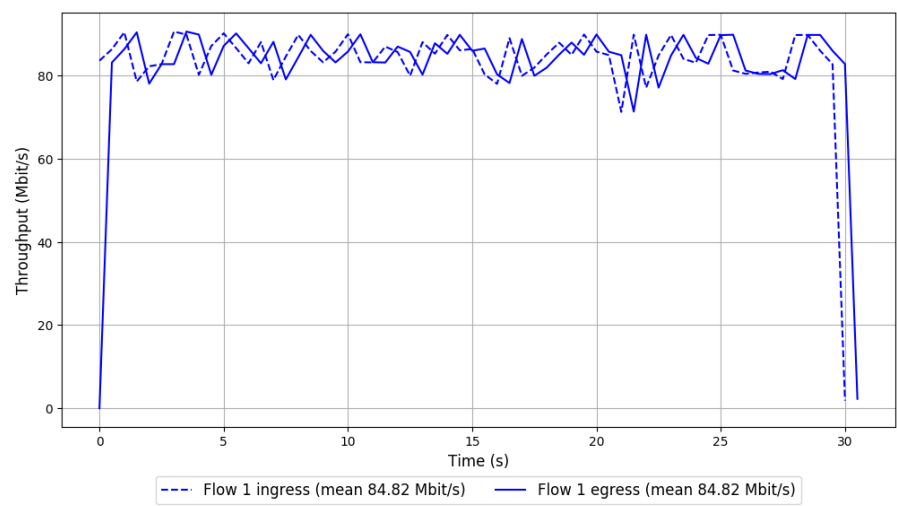
-- Flow 1:

Average throughput: 84.82 Mbit/s

95th percentile per-packet one-way delay: 2.852 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-09 21:20:02

End at: 2018-07-09 21:20:32

Local clock offset: 2.683 ms

Remote clock offset: -2.214 ms

Below is generated by plot.py at 2018-07-09 23:30:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.71 Mbit/s

95th percentile per-packet one-way delay: 2.555 ms

Loss rate: 0.00%

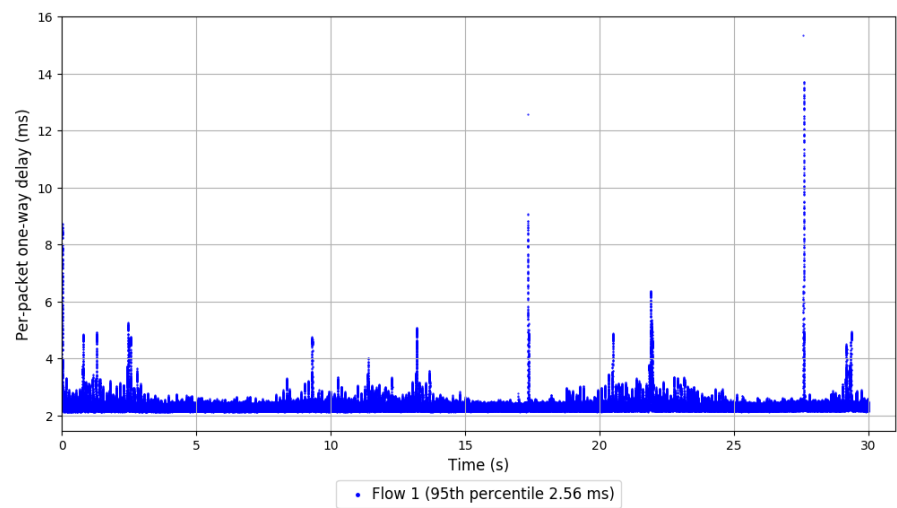
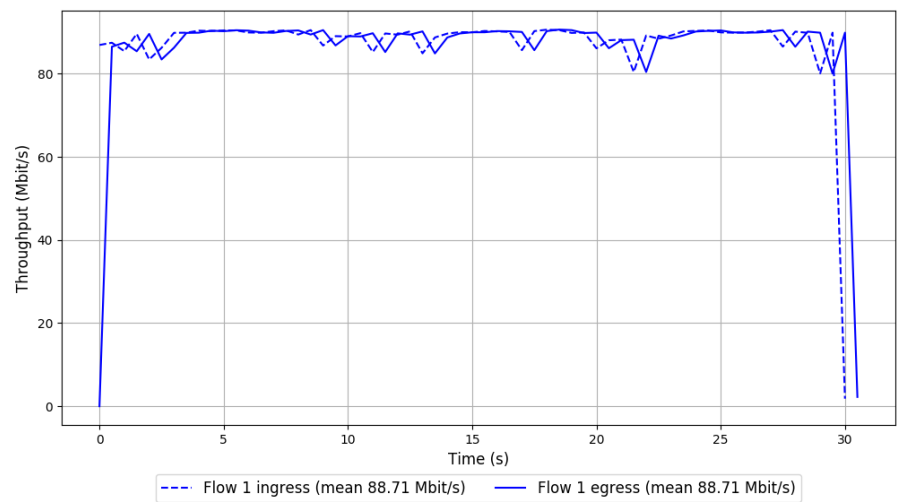
-- Flow 1:

Average throughput: 88.71 Mbit/s

95th percentile per-packet one-way delay: 2.555 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-09 21:39:04

End at: 2018-07-09 21:39:34

Local clock offset: 4.153 ms

Remote clock offset: -2.525 ms

Below is generated by plot.py at 2018-07-09 23:30:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.99 Mbit/s

95th percentile per-packet one-way delay: 2.534 ms

Loss rate: 0.00%

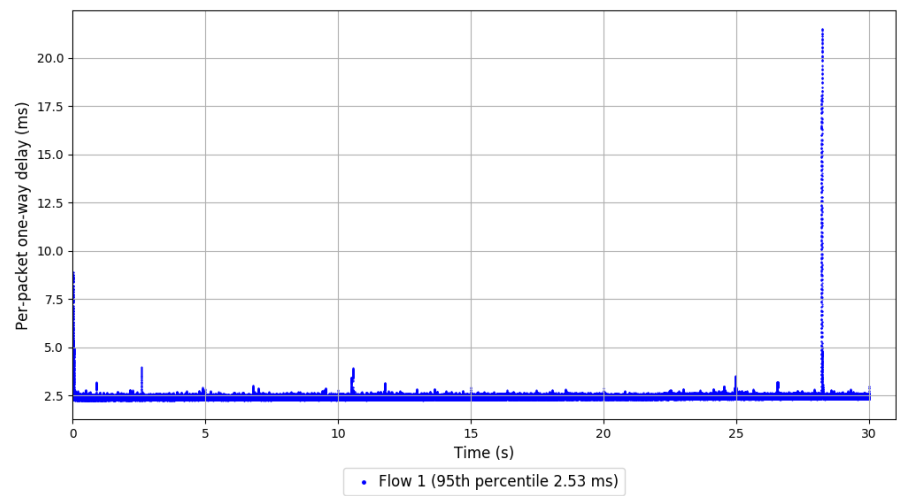
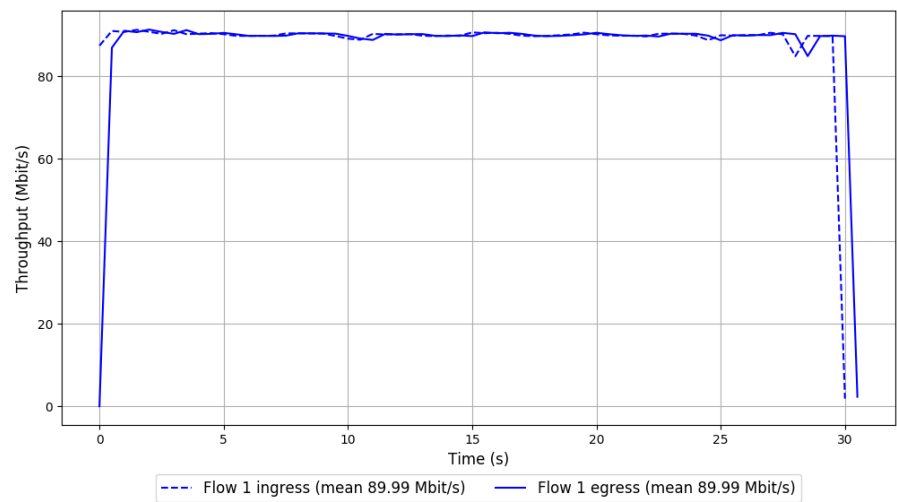
-- Flow 1:

Average throughput: 89.99 Mbit/s

95th percentile per-packet one-way delay: 2.534 ms

Loss rate: 0.00%

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

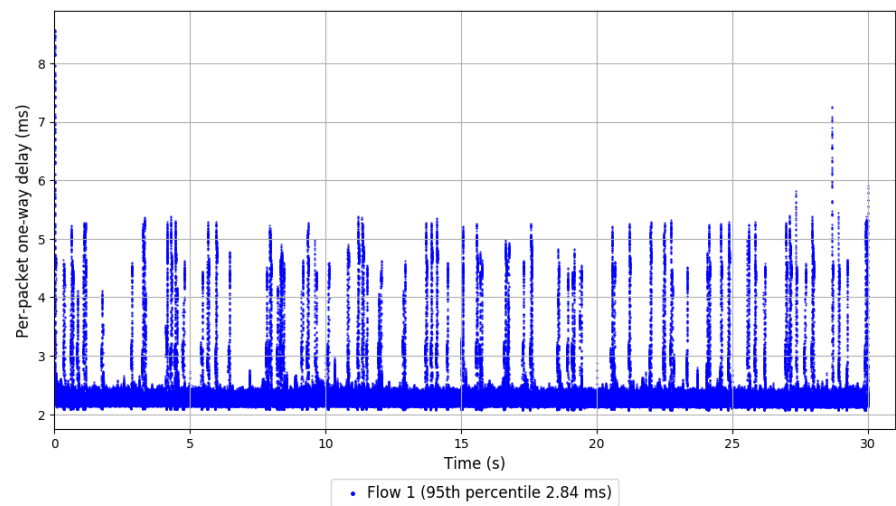
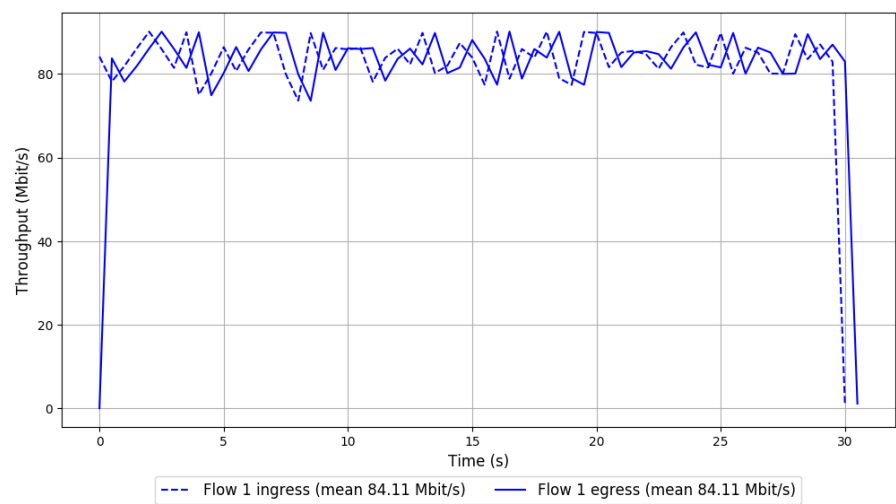


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-09 21:58:12
End at: 2018-07-09 21:58:42
Local clock offset: 4.04 ms
Remote clock offset: -2.868 ms

Below is generated by plot.py at 2018-07-09 23:30:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.11 Mbit/s
95th percentile per-packet one-way delay: 2.836 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.11 Mbit/s
95th percentile per-packet one-way delay: 2.836 ms
Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-07-09 22:17:14

End at: 2018-07-09 22:17:44

Local clock offset: 3.294 ms

Remote clock offset: -1.643 ms

Below is generated by plot.py at 2018-07-09 23:30:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.27 Mbit/s

95th percentile per-packet one-way delay: 2.591 ms

Loss rate: 0.00%

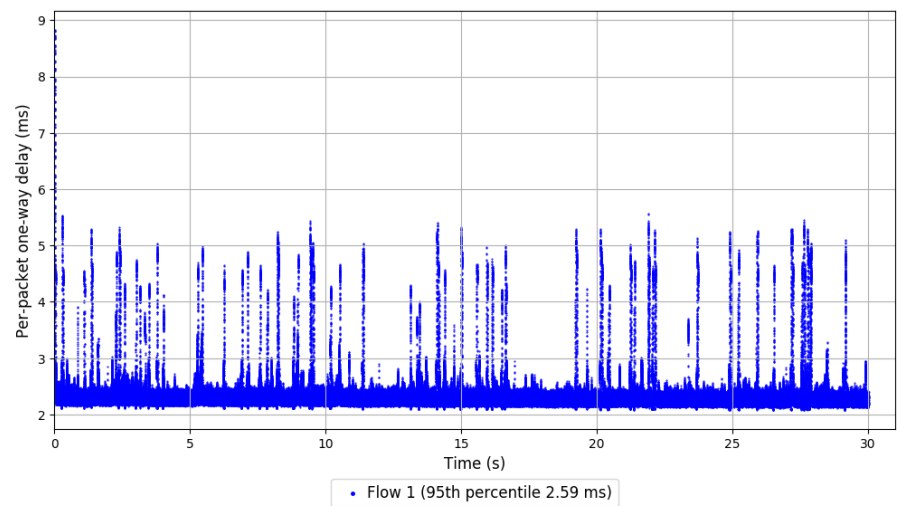
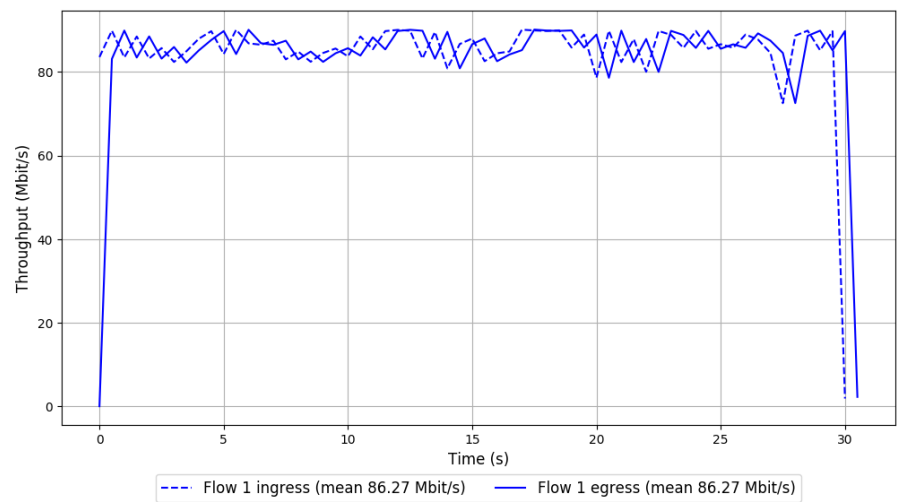
-- Flow 1:

Average throughput: 86.27 Mbit/s

95th percentile per-packet one-way delay: 2.591 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-09 22:36:16

End at: 2018-07-09 22:36:46

Local clock offset: 3.005 ms

Remote clock offset: -1.249 ms

Below is generated by plot.py at 2018-07-09 23:32:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.16 Mbit/s

95th percentile per-packet one-way delay: 2.949 ms

Loss rate: 0.00%

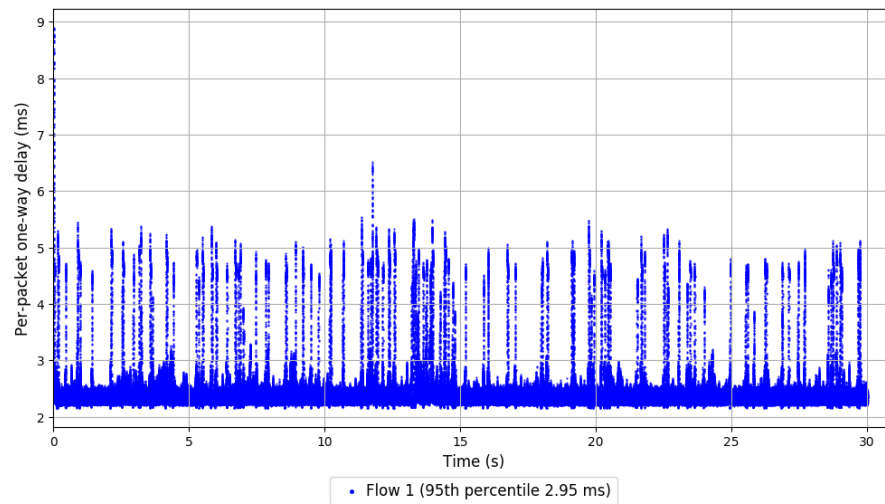
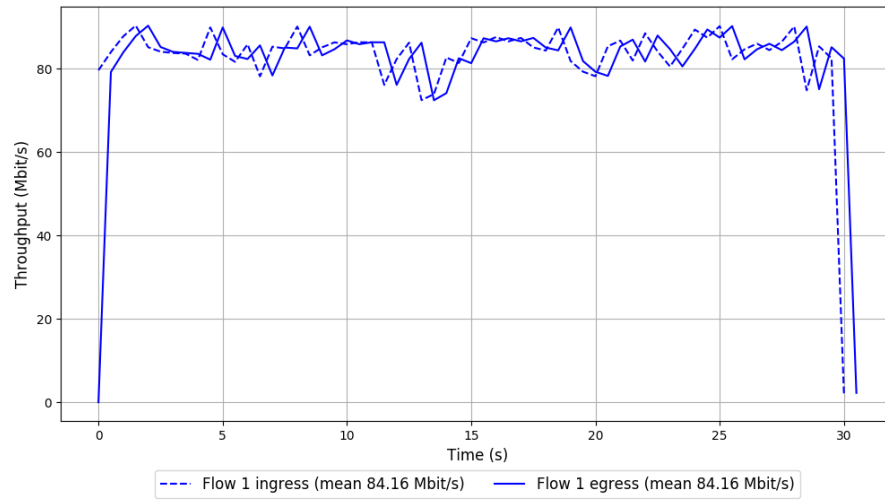
-- Flow 1:

Average throughput: 84.16 Mbit/s

95th percentile per-packet one-way delay: 2.949 ms

Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-09 22:55:18

End at: 2018-07-09 22:55:48

Local clock offset: 3.143 ms

Remote clock offset: -2.634 ms

Below is generated by plot.py at 2018-07-09 23:32:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.18 Mbit/s

95th percentile per-packet one-way delay: 3.192 ms

Loss rate: 0.00%

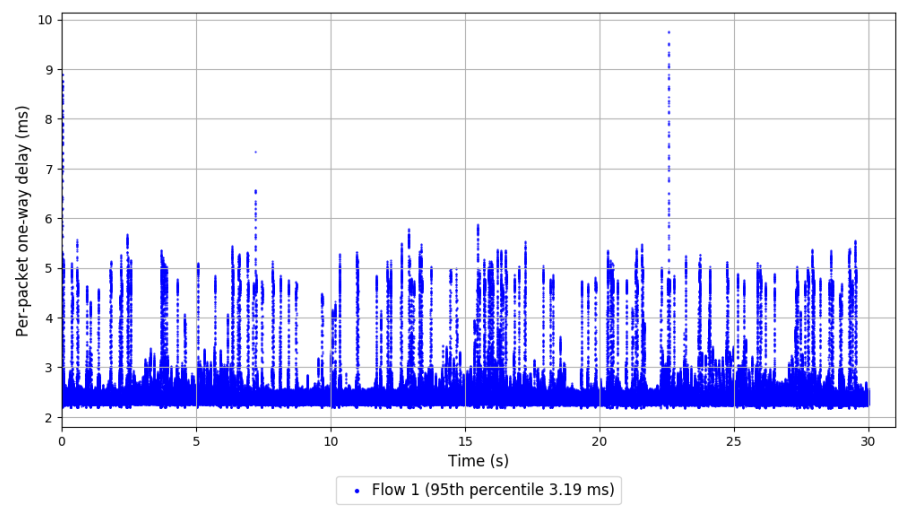
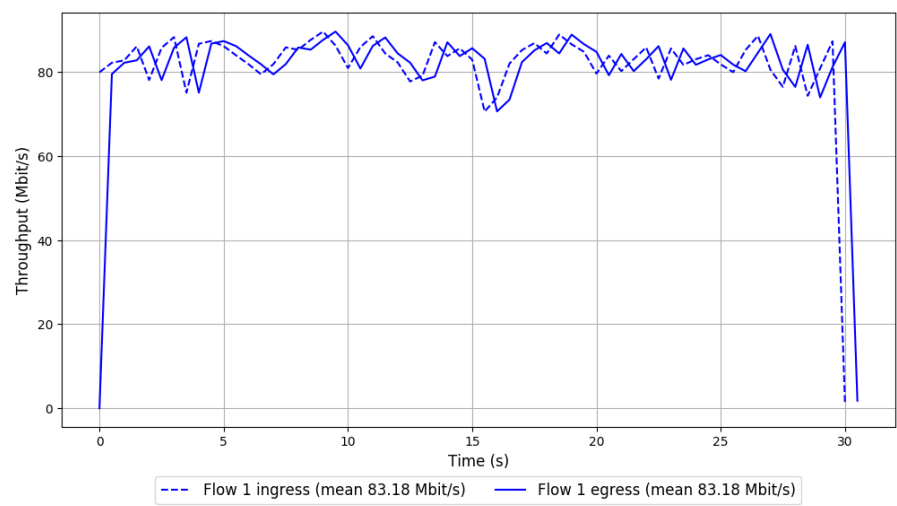
-- Flow 1:

Average throughput: 83.18 Mbit/s

95th percentile per-packet one-way delay: 3.192 ms

Loss rate: 0.00%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-09 20:01:43

End at: 2018-07-09 20:02:13

Local clock offset: 4.108 ms

Remote clock offset: -1.86 ms

Below is generated by plot.py at 2018-07-09 23:32:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.42 Mbit/s

95th percentile per-packet one-way delay: 3.900 ms

Loss rate: 0.00%

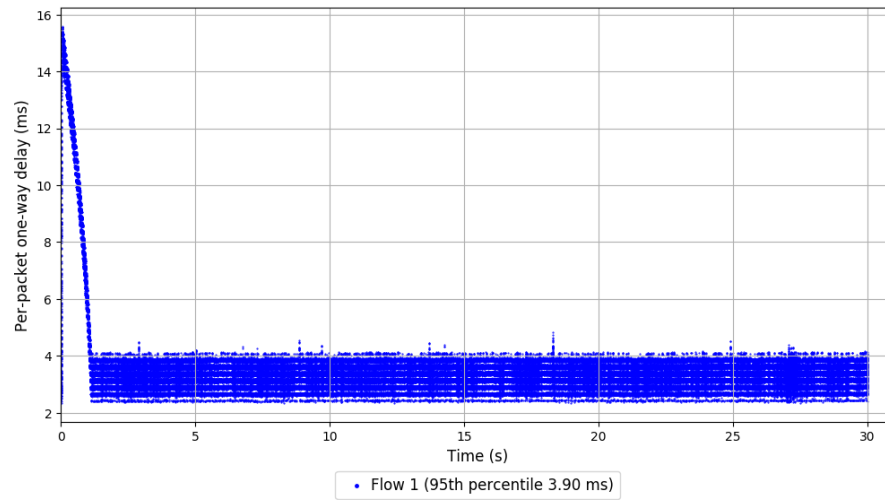
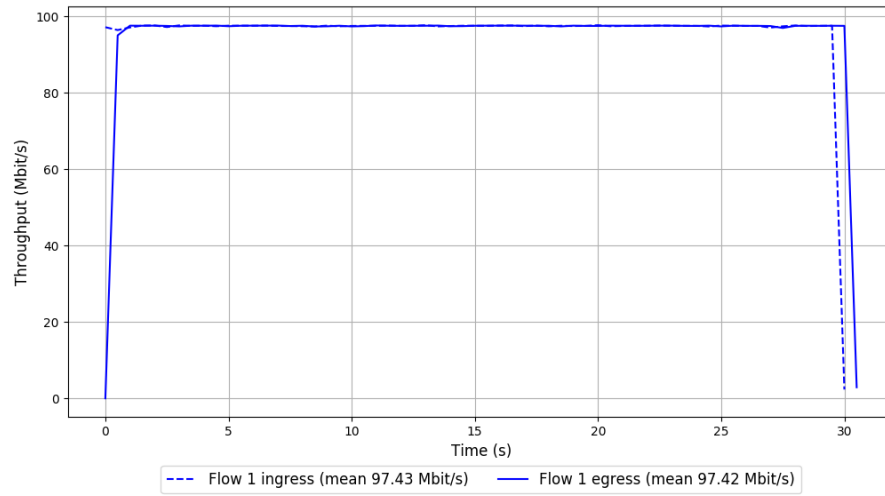
-- Flow 1:

Average throughput: 97.42 Mbit/s

95th percentile per-packet one-way delay: 3.900 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

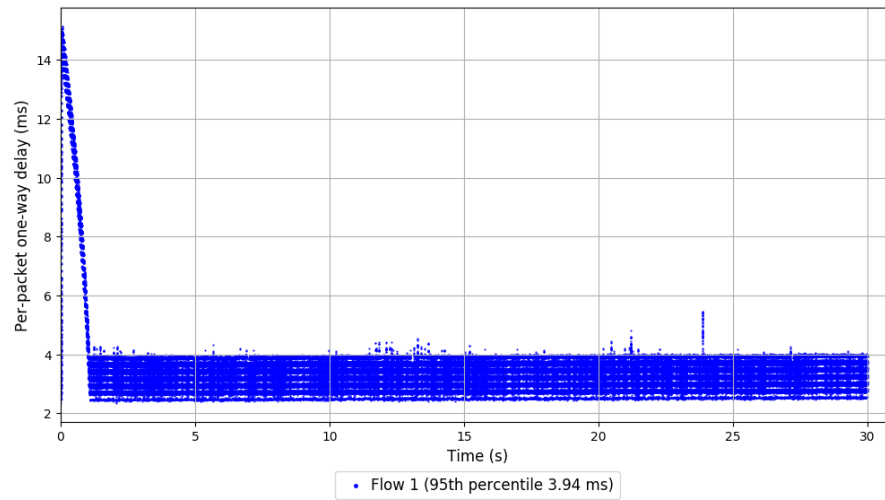
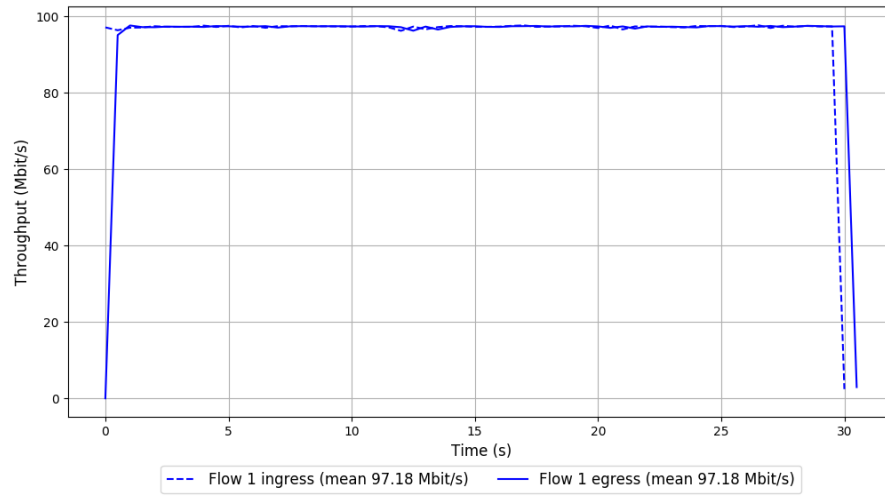


Run 2: Statistics of TCP Vegas

Start at: 2018-07-09 20:20:42
End at: 2018-07-09 20:21:12
Local clock offset: 4.459 ms
Remote clock offset: -2.225 ms

Below is generated by plot.py at 2018-07-09 23:32:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 3.937 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 3.937 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

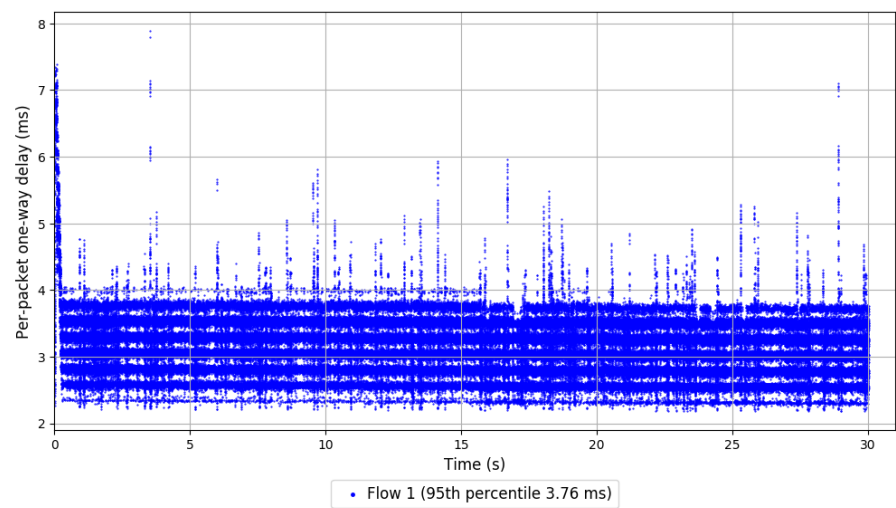
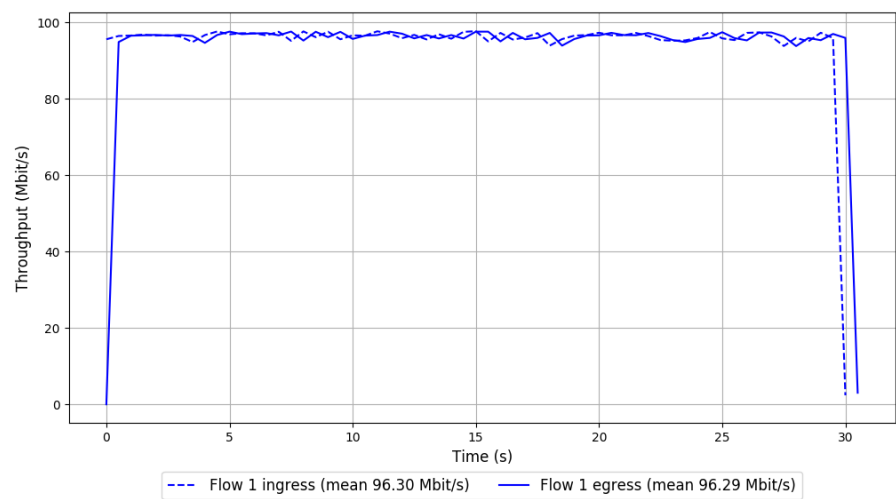


Run 3: Statistics of TCP Vegas

Start at: 2018-07-09 20:39:44
End at: 2018-07-09 20:40:14
Local clock offset: 2.045 ms
Remote clock offset: -1.799 ms

Below is generated by plot.py at 2018-07-09 23:32:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.29 Mbit/s
95th percentile per-packet one-way delay: 3.761 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.29 Mbit/s
95th percentile per-packet one-way delay: 3.761 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

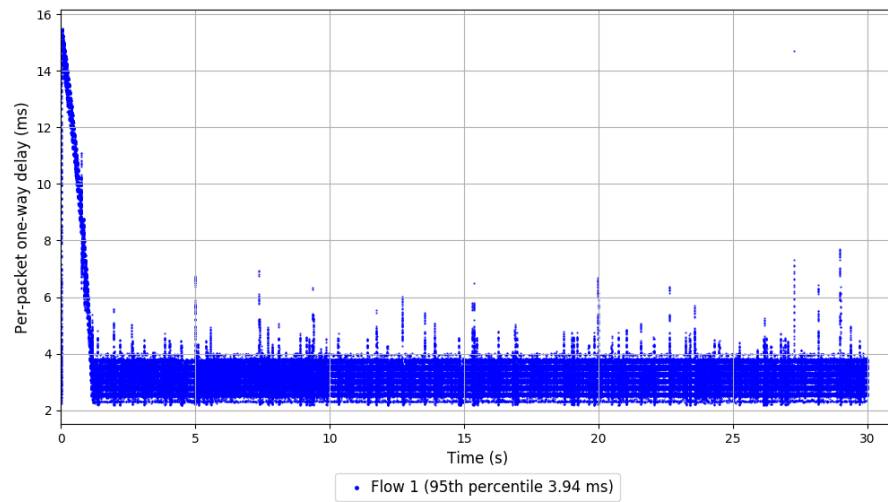
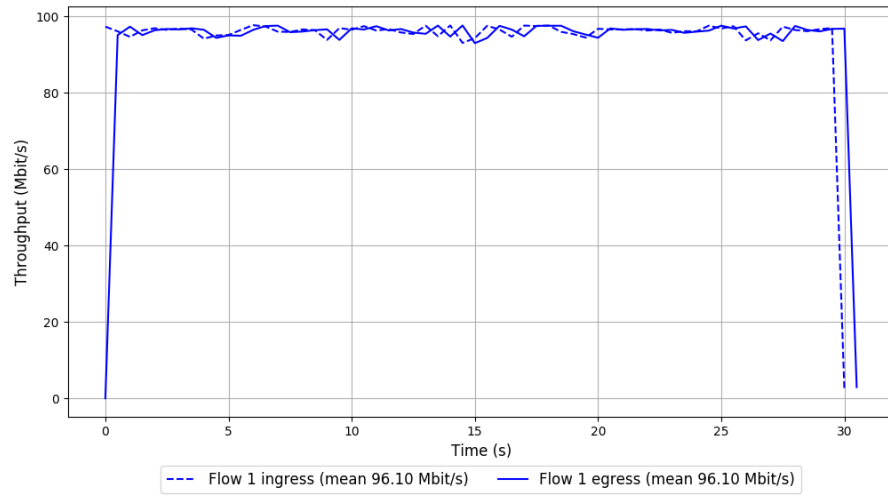


Run 4: Statistics of TCP Vegas

Start at: 2018-07-09 20:58:46
End at: 2018-07-09 20:59:16
Local clock offset: 2.301 ms
Remote clock offset: -1.906 ms

Below is generated by plot.py at 2018-07-09 23:32:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.10 Mbit/s
95th percentile per-packet one-way delay: 3.937 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.10 Mbit/s
95th percentile per-packet one-way delay: 3.937 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

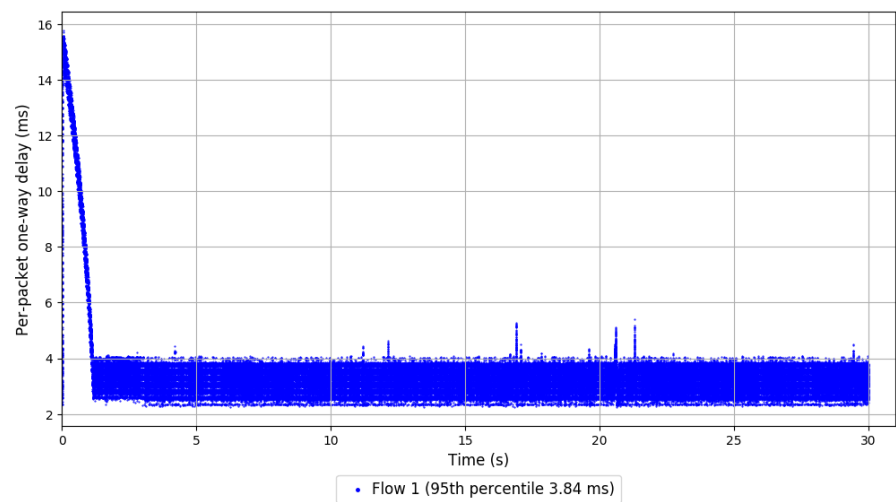
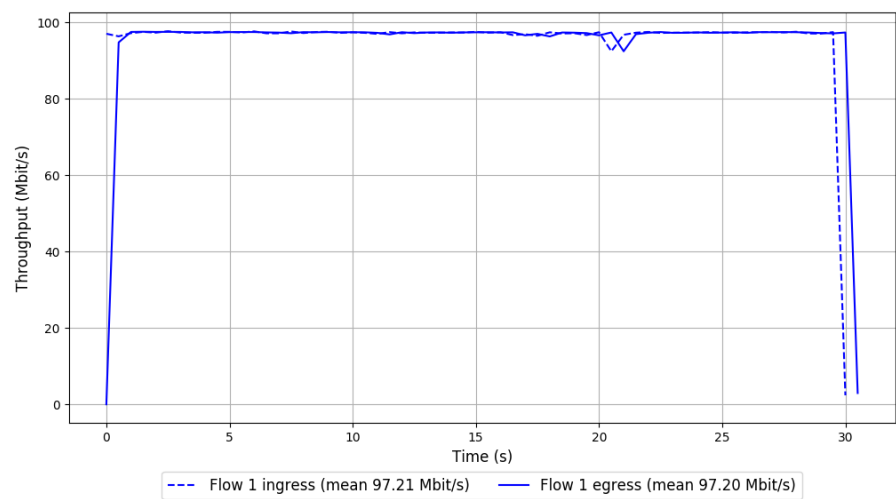


Run 5: Statistics of TCP Vegas

Start at: 2018-07-09 21:17:49
End at: 2018-07-09 21:18:19
Local clock offset: 2.61 ms
Remote clock offset: -2.092 ms

Below is generated by plot.py at 2018-07-09 23:32:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.20 Mbit/s
95th percentile per-packet one-way delay: 3.844 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.20 Mbit/s
95th percentile per-packet one-way delay: 3.844 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

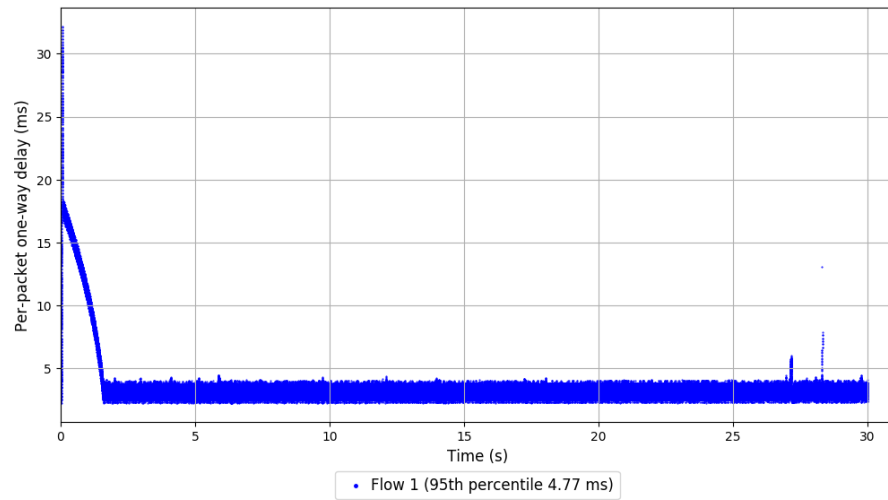
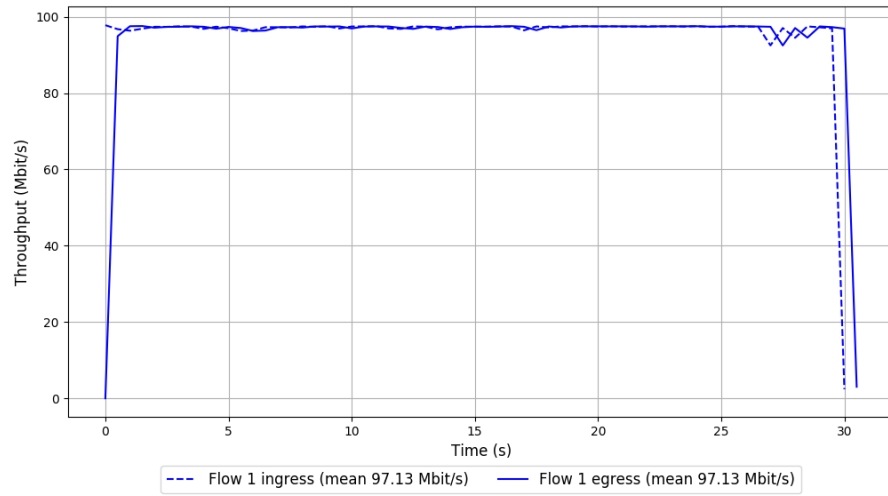


Run 6: Statistics of TCP Vegas

Start at: 2018-07-09 21:36:51
End at: 2018-07-09 21:37:21
Local clock offset: 3.925 ms
Remote clock offset: -2.497 ms

Below is generated by plot.py at 2018-07-09 23:32:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 4.772 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 4.772 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

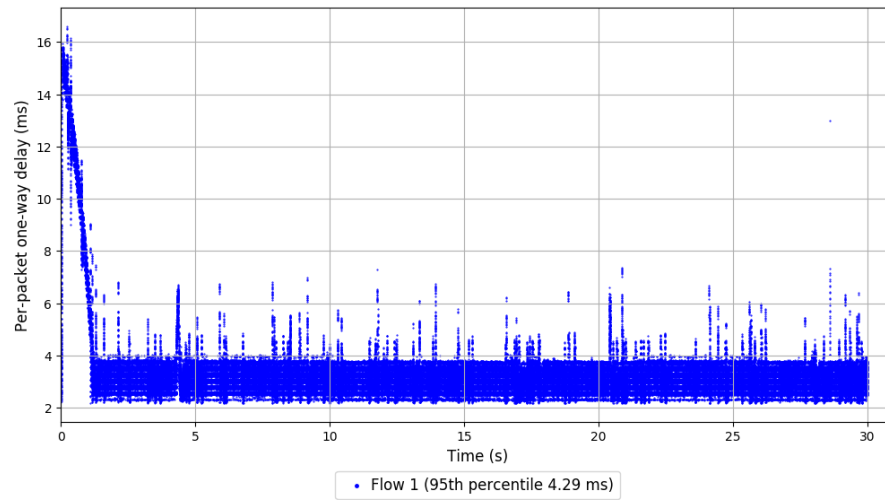
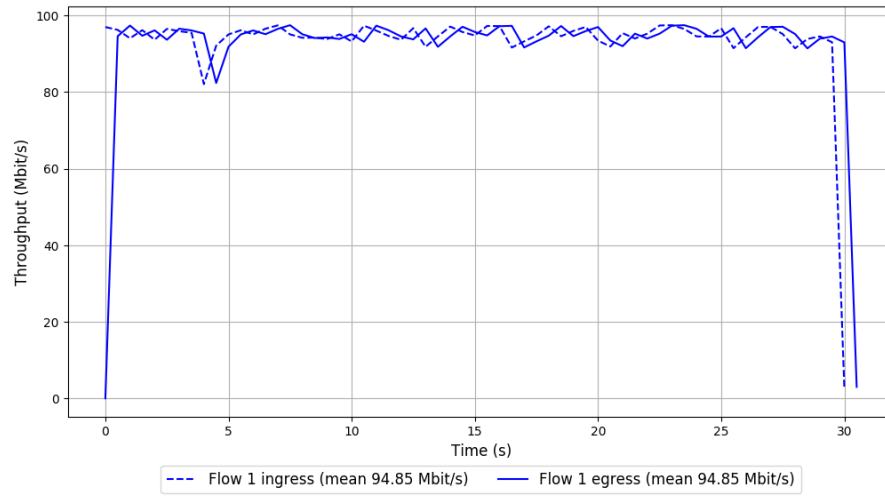


Run 7: Statistics of TCP Vegas

Start at: 2018-07-09 21:55:53
End at: 2018-07-09 21:56:23
Local clock offset: 4.085 ms
Remote clock offset: -2.759 ms

Below is generated by plot.py at 2018-07-09 23:32:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.85 Mbit/s
95th percentile per-packet one-way delay: 4.292 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 94.85 Mbit/s
95th percentile per-packet one-way delay: 4.292 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

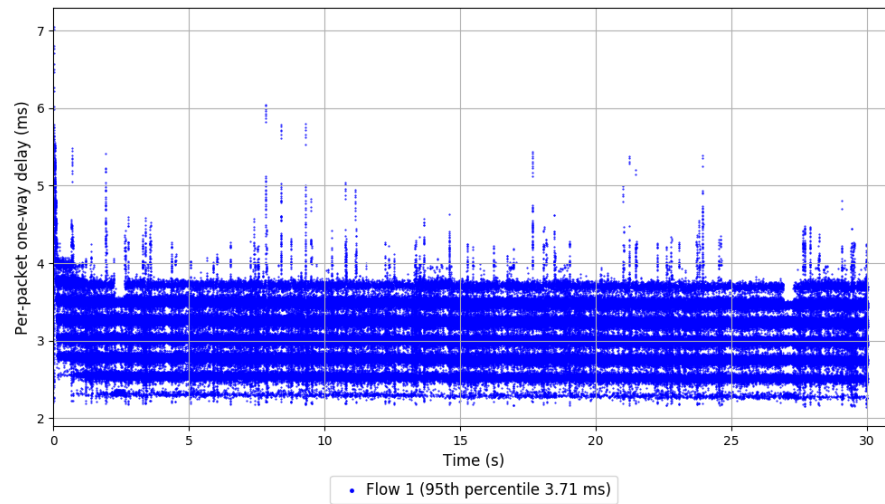
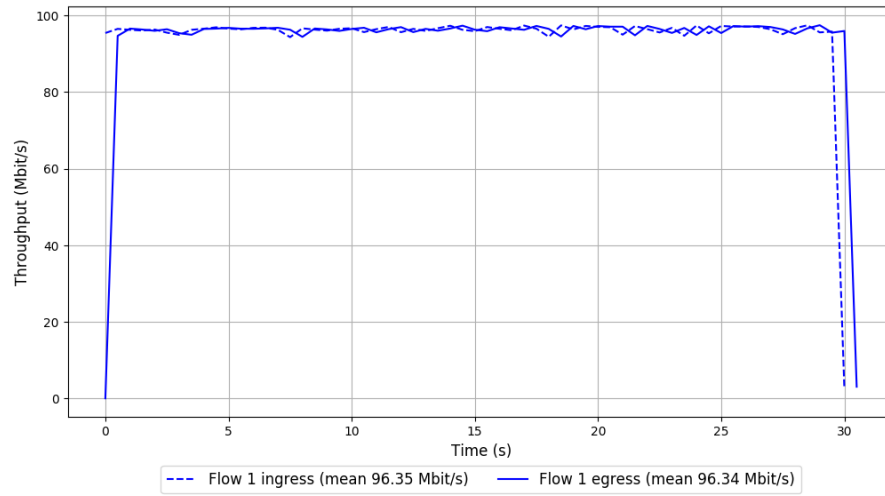


Run 8: Statistics of TCP Vegas

Start at: 2018-07-09 22:15:01
End at: 2018-07-09 22:15:31
Local clock offset: 3.381 ms
Remote clock offset: -1.663 ms

Below is generated by plot.py at 2018-07-09 23:32:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.34 Mbit/s
95th percentile per-packet one-way delay: 3.709 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.34 Mbit/s
95th percentile per-packet one-way delay: 3.709 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

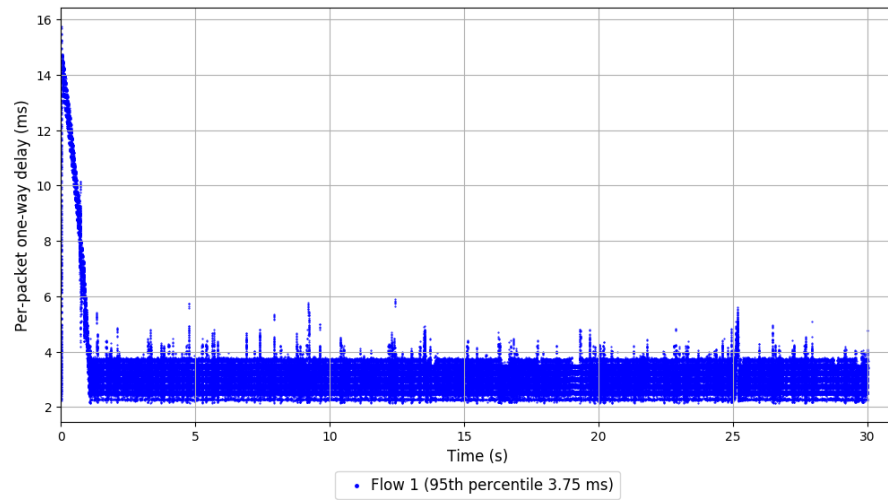
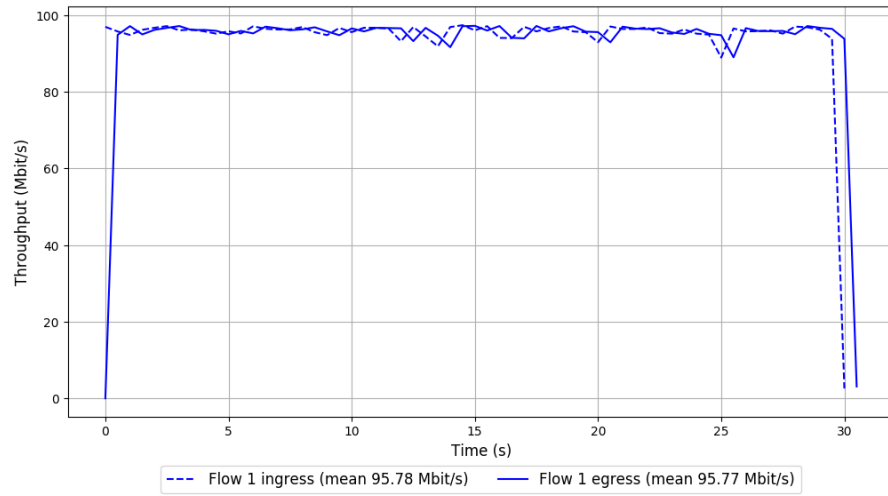


Run 9: Statistics of TCP Vegas

Start at: 2018-07-09 22:34:03
End at: 2018-07-09 22:34:33
Local clock offset: 3.044 ms
Remote clock offset: -1.228 ms

Below is generated by plot.py at 2018-07-09 23:33:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.77 Mbit/s
95th percentile per-packet one-way delay: 3.755 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.77 Mbit/s
95th percentile per-packet one-way delay: 3.755 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-09 22:53:05

End at: 2018-07-09 22:53:35

Local clock offset: 3.275 ms

Remote clock offset: -2.576 ms

Below is generated by plot.py at 2018-07-09 23:33:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.26 Mbit/s

95th percentile per-packet one-way delay: 5.195 ms

Loss rate: 0.00%

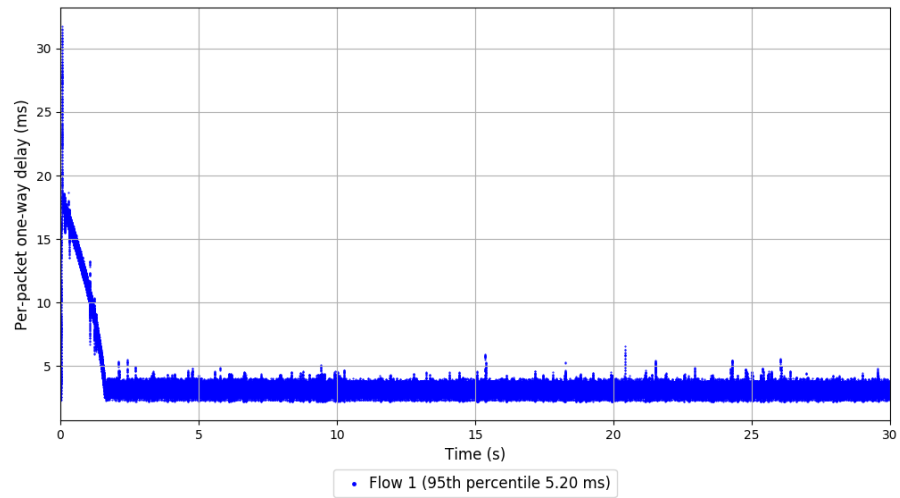
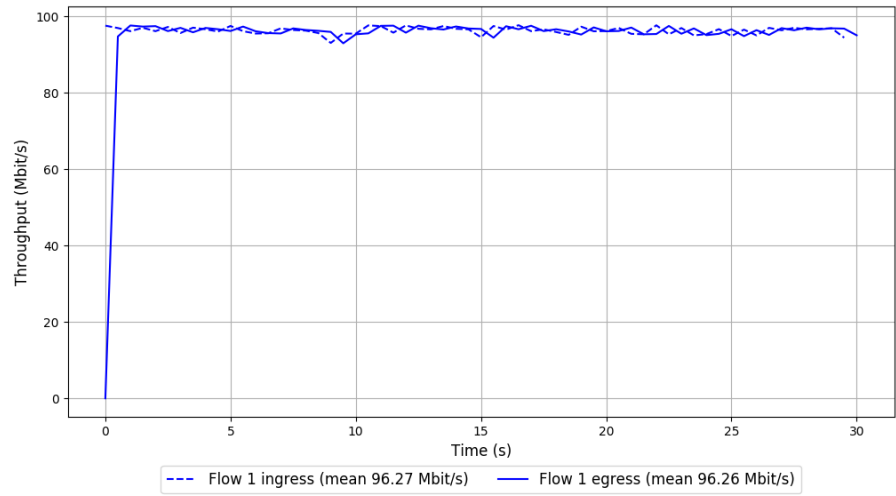
-- Flow 1:

Average throughput: 96.26 Mbit/s

95th percentile per-packet one-way delay: 5.195 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

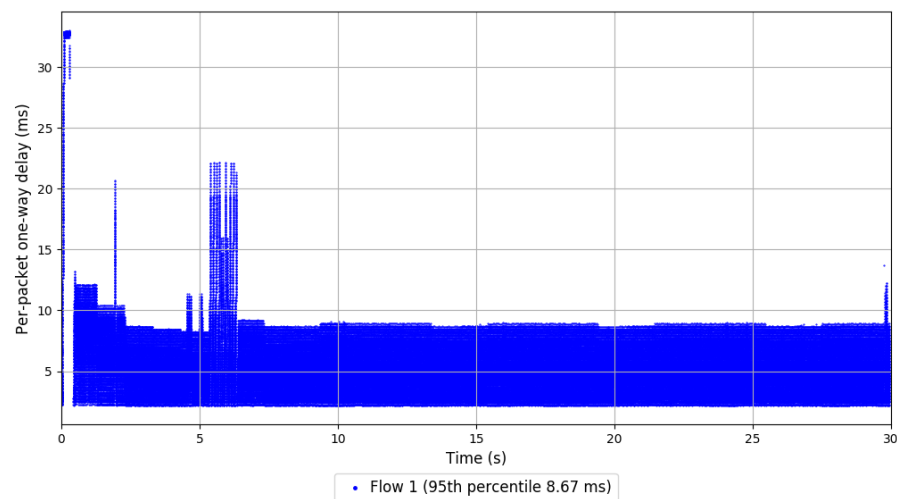
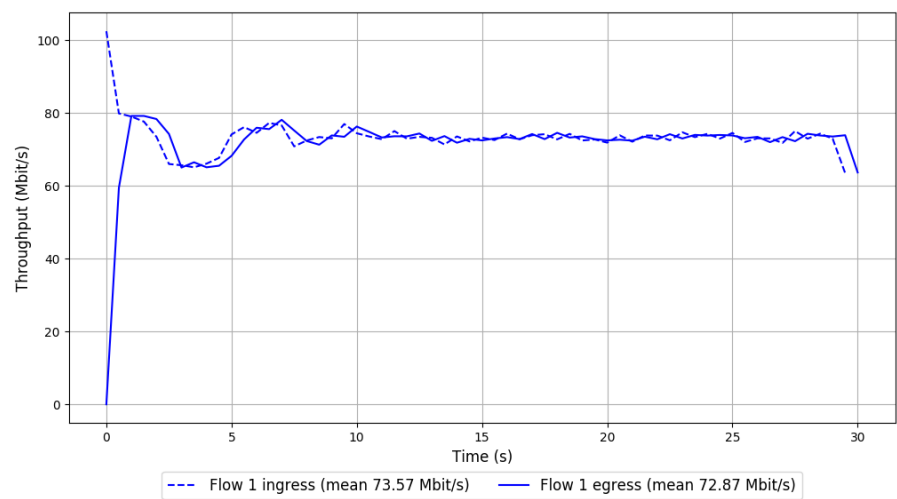


Run 1: Statistics of Verus

Start at: 2018-07-09 19:59:32
End at: 2018-07-09 20:00:02
Local clock offset: 4.256 ms
Remote clock offset: -1.862 ms

Below is generated by plot.py at 2018-07-09 23:33:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.87 Mbit/s
95th percentile per-packet one-way delay: 8.674 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 72.87 Mbit/s
95th percentile per-packet one-way delay: 8.674 ms
Loss rate: 0.95%

Run 1: Report of Verus — Data Link

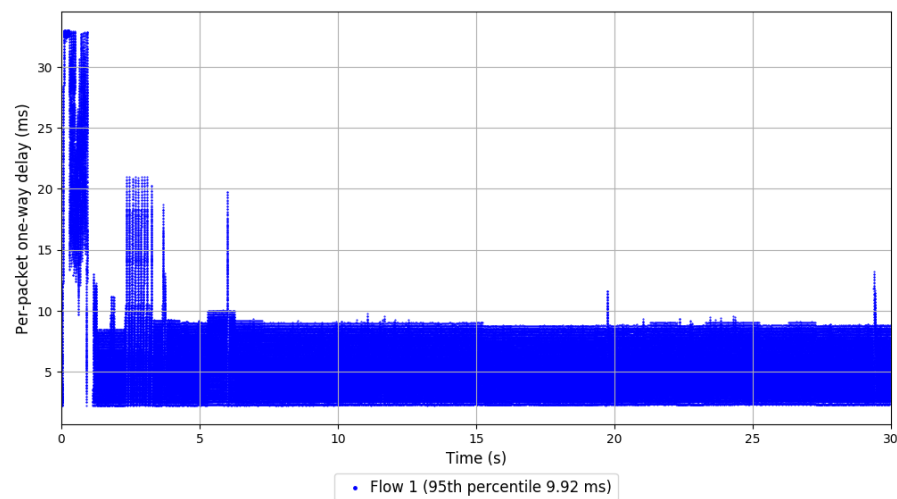
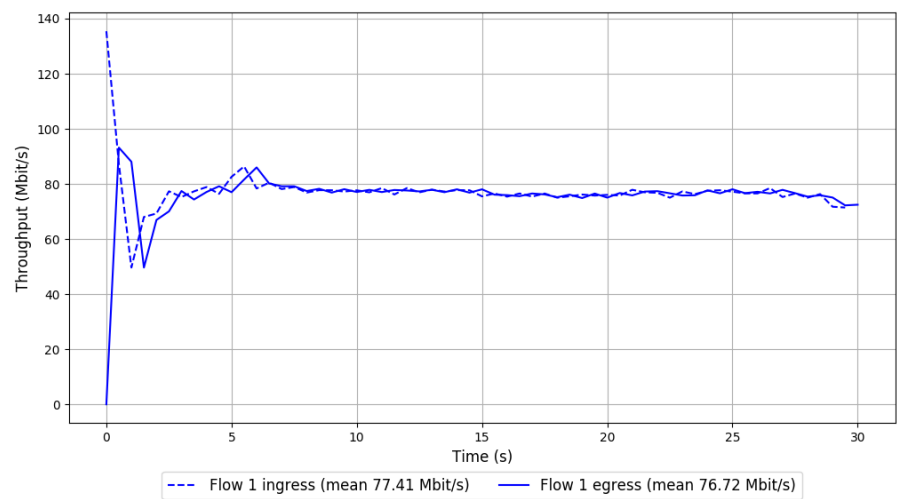


Run 2: Statistics of Verus

Start at: 2018-07-09 20:18:31
End at: 2018-07-09 20:19:01
Local clock offset: 4.146 ms
Remote clock offset: -2.234 ms

Below is generated by plot.py at 2018-07-09 23:33:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.72 Mbit/s
95th percentile per-packet one-way delay: 9.922 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 76.72 Mbit/s
95th percentile per-packet one-way delay: 9.922 ms
Loss rate: 0.89%

Run 2: Report of Verus — Data Link

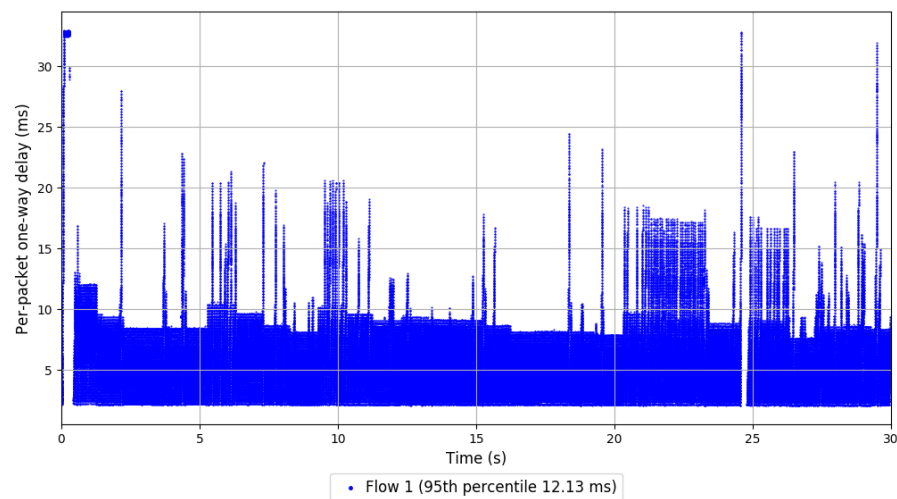
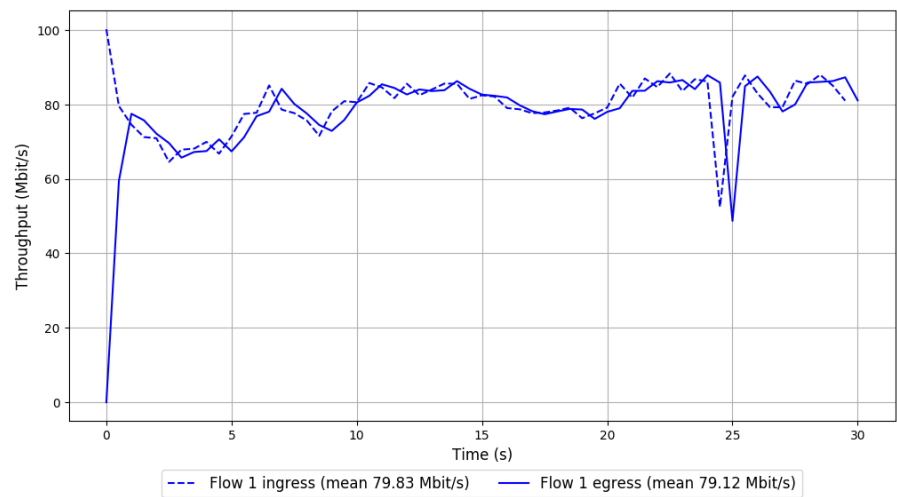


Run 3: Statistics of Verus

Start at: 2018-07-09 20:37:33
End at: 2018-07-09 20:38:03
Local clock offset: 2.401 ms
Remote clock offset: -1.834 ms

Below is generated by plot.py at 2018-07-09 23:33:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.12 Mbit/s
95th percentile per-packet one-way delay: 12.131 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 79.12 Mbit/s
95th percentile per-packet one-way delay: 12.131 ms
Loss rate: 0.88%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-07-09 20:56:35

End at: 2018-07-09 20:57:05

Local clock offset: 2.317 ms

Remote clock offset: -1.79 ms

Below is generated by plot.py at 2018-07-09 23:33:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.22 Mbit/s

95th percentile per-packet one-way delay: 15.123 ms

Loss rate: 0.96%

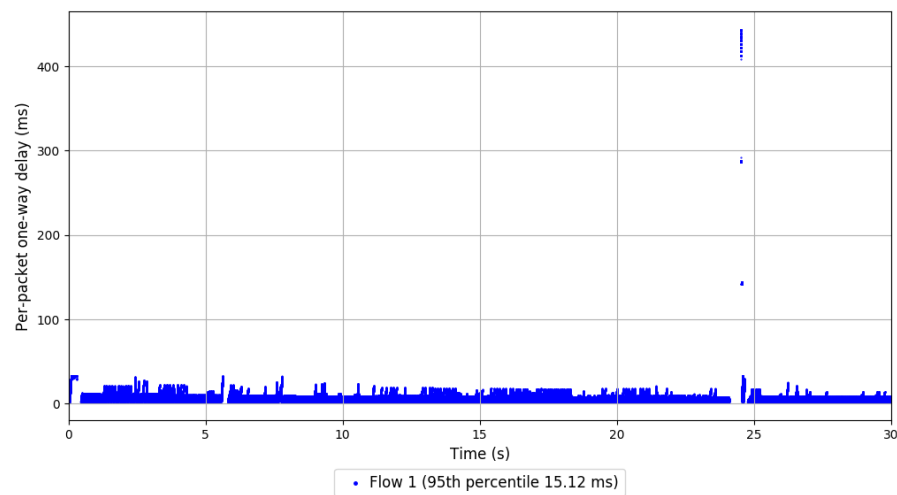
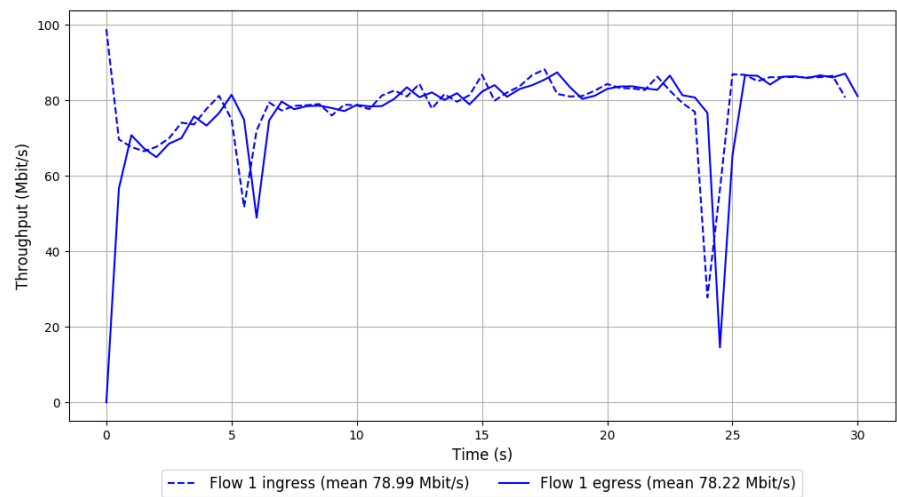
-- Flow 1:

Average throughput: 78.22 Mbit/s

95th percentile per-packet one-way delay: 15.123 ms

Loss rate: 0.96%

Run 4: Report of Verus — Data Link

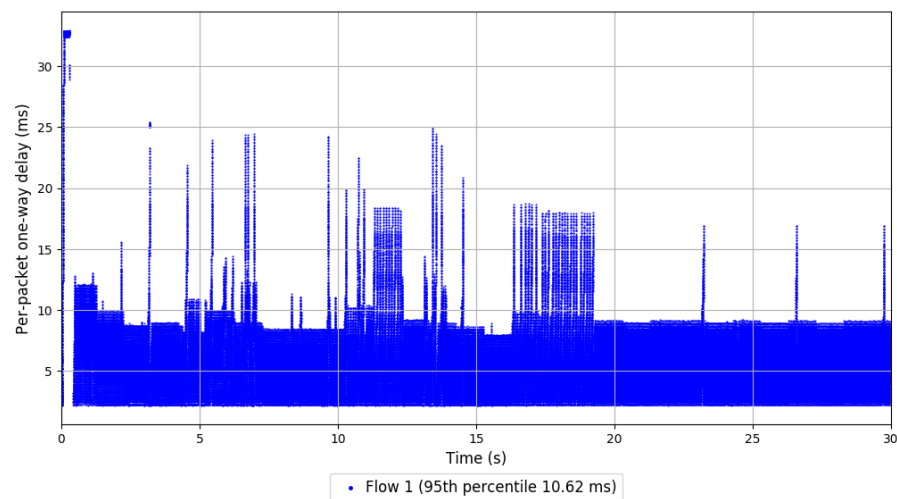
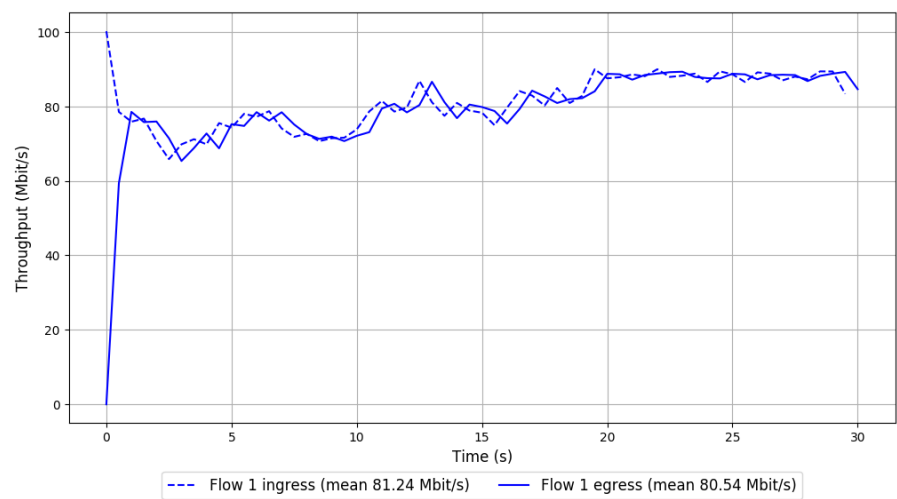


Run 5: Statistics of Verus

Start at: 2018-07-09 21:15:38
End at: 2018-07-09 21:16:08
Local clock offset: 2.592 ms
Remote clock offset: -2.145 ms

Below is generated by plot.py at 2018-07-09 23:33:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.54 Mbit/s
95th percentile per-packet one-way delay: 10.623 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 80.54 Mbit/s
95th percentile per-packet one-way delay: 10.623 ms
Loss rate: 0.84%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-07-09 21:34:40

End at: 2018-07-09 21:35:10

Local clock offset: 3.707 ms

Remote clock offset: -2.41 ms

Below is generated by plot.py at 2018-07-09 23:33:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.96 Mbit/s

95th percentile per-packet one-way delay: 8.745 ms

Loss rate: 0.97%

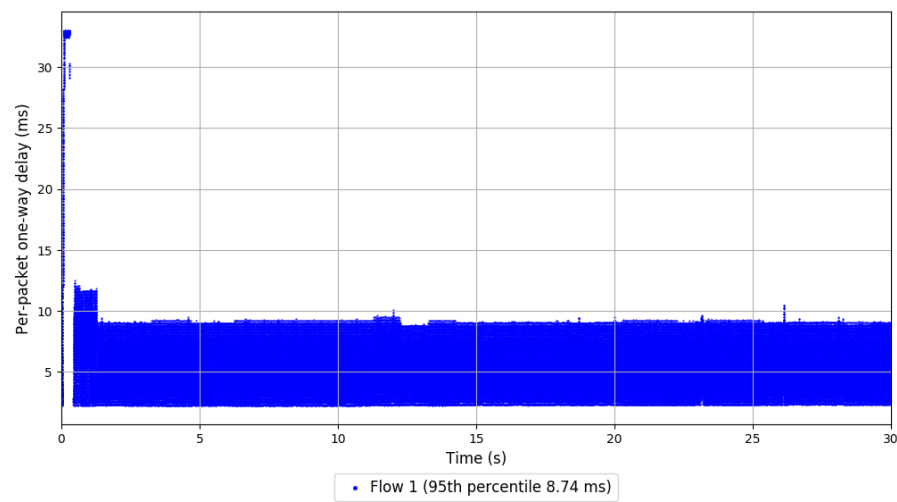
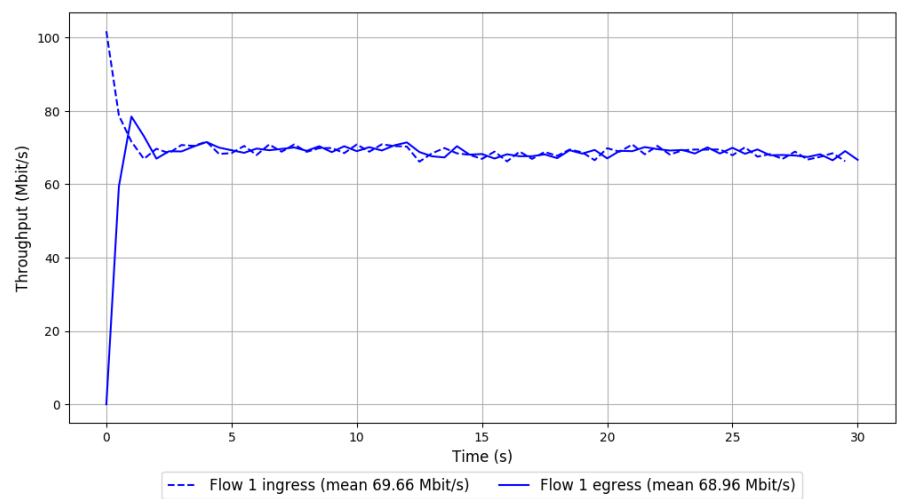
-- Flow 1:

Average throughput: 68.96 Mbit/s

95th percentile per-packet one-way delay: 8.745 ms

Loss rate: 0.97%

Run 6: Report of Verus — Data Link

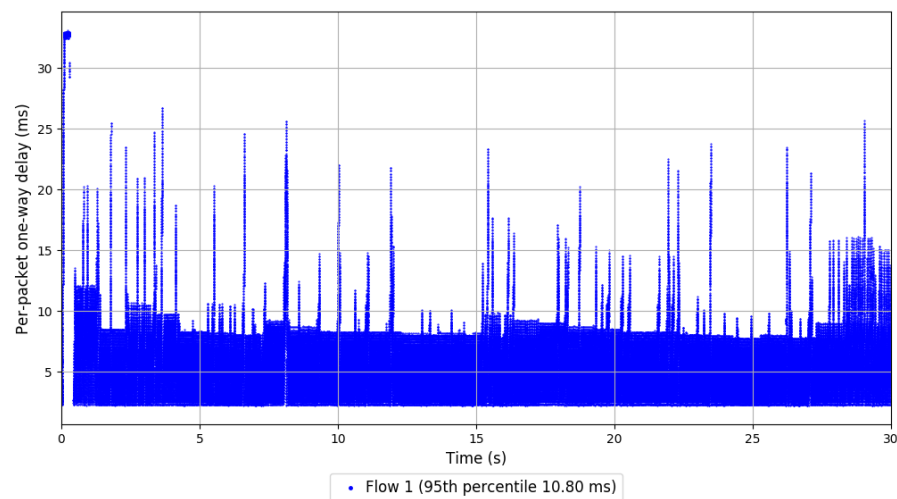
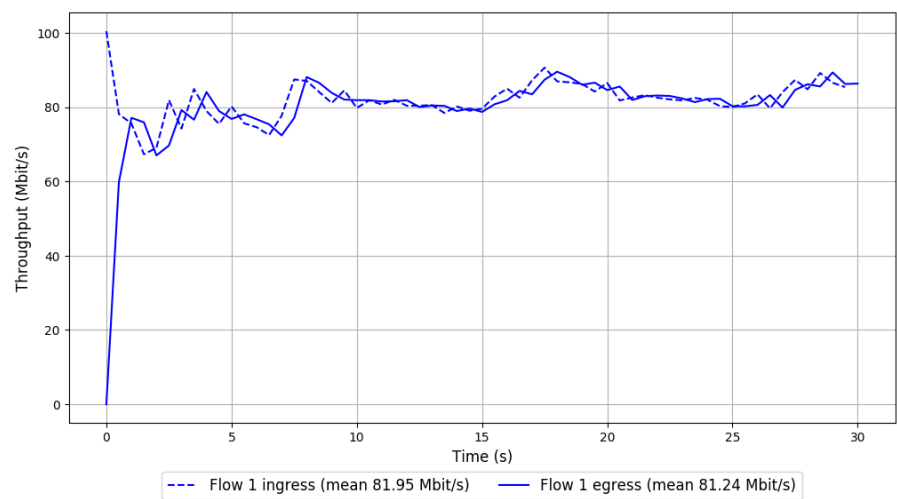


Run 7: Statistics of Verus

Start at: 2018-07-09 21:53:42
End at: 2018-07-09 21:54:12
Local clock offset: 4.134 ms
Remote clock offset: -2.745 ms

Below is generated by plot.py at 2018-07-09 23:34:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.24 Mbit/s
95th percentile per-packet one-way delay: 10.798 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 81.24 Mbit/s
95th percentile per-packet one-way delay: 10.798 ms
Loss rate: 0.83%

Run 7: Report of Verus — Data Link

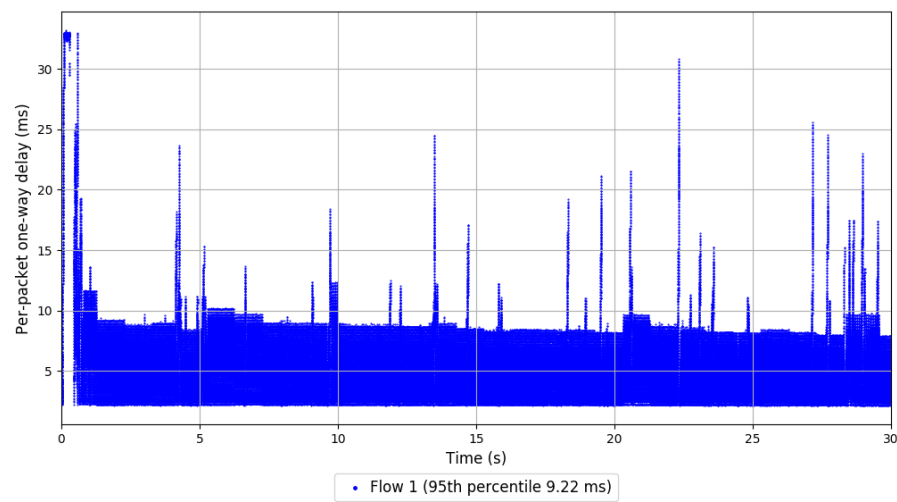
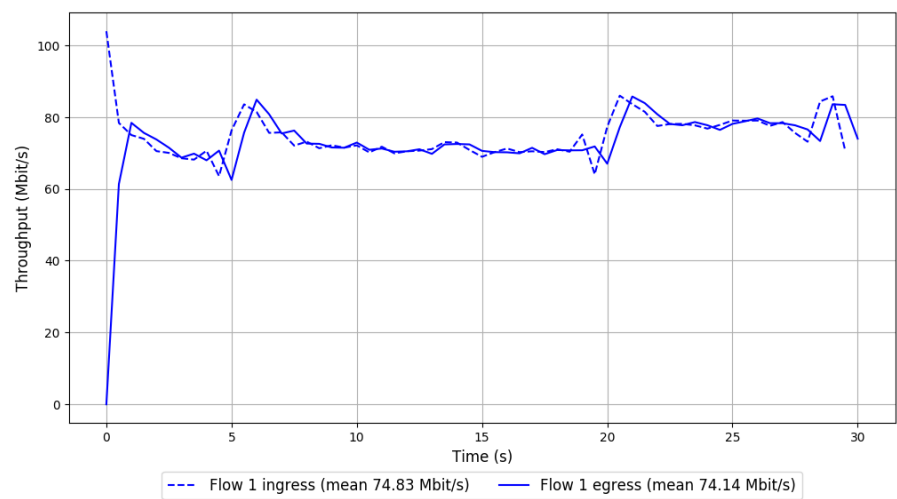


Run 8: Statistics of Verus

Start at: 2018-07-09 22:12:50
End at: 2018-07-09 22:13:20
Local clock offset: 3.443 ms
Remote clock offset: -1.818 ms

Below is generated by plot.py at 2018-07-09 23:34:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.14 Mbit/s
95th percentile per-packet one-way delay: 9.221 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 74.14 Mbit/s
95th percentile per-packet one-way delay: 9.221 ms
Loss rate: 0.92%

Run 8: Report of Verus — Data Link

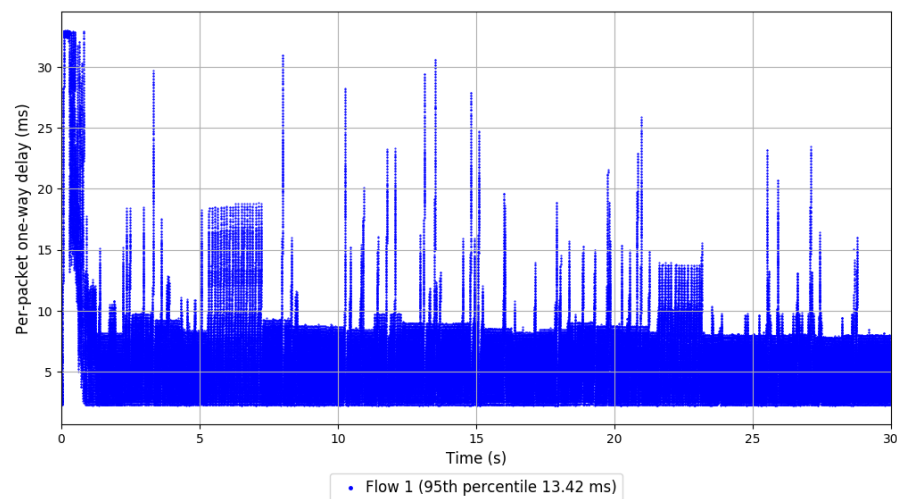
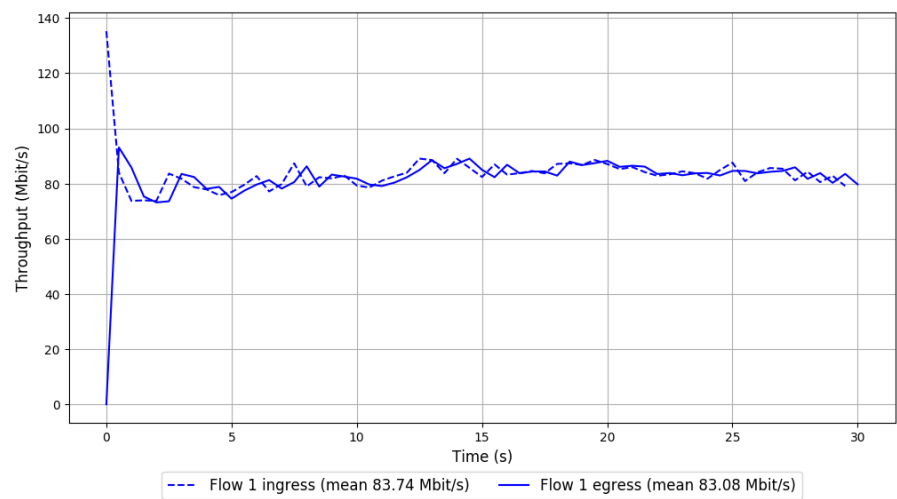


Run 9: Statistics of Verus

Start at: 2018-07-09 22:31:51
End at: 2018-07-09 22:32:21
Local clock offset: 2.982 ms
Remote clock offset: -1.252 ms

Below is generated by plot.py at 2018-07-09 23:34:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.08 Mbit/s
95th percentile per-packet one-way delay: 13.423 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 83.08 Mbit/s
95th percentile per-packet one-way delay: 13.423 ms
Loss rate: 0.77%

Run 9: Report of Verus — Data Link

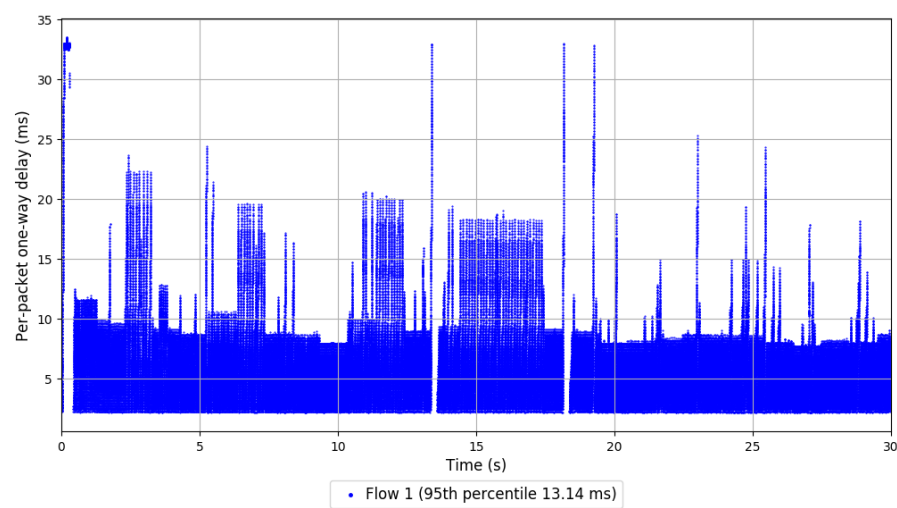
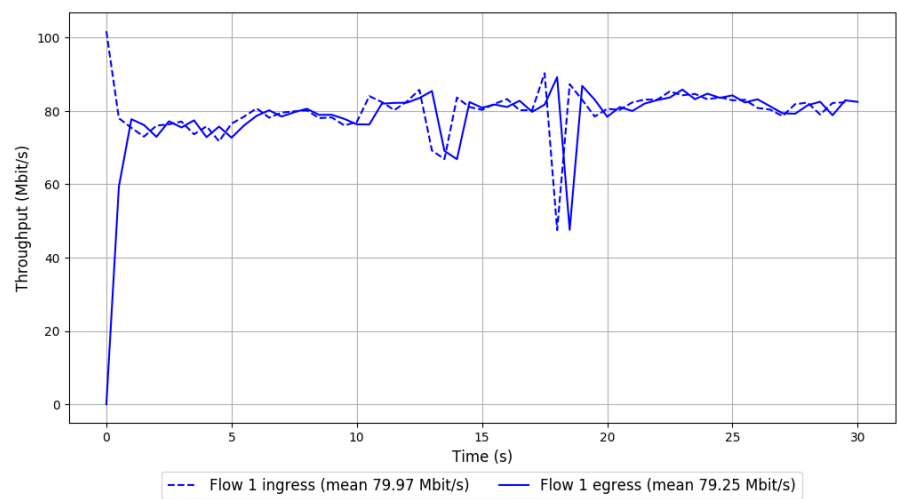


Run 10: Statistics of Verus

Start at: 2018-07-09 22:50:54
End at: 2018-07-09 22:51:24
Local clock offset: 3.425 ms
Remote clock offset: -2.477 ms

Below is generated by plot.py at 2018-07-09 23:34:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.25 Mbit/s
95th percentile per-packet one-way delay: 13.144 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 79.25 Mbit/s
95th percentile per-packet one-way delay: 13.144 ms
Loss rate: 0.88%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-09 19:58:24

End at: 2018-07-09 19:58:54

Local clock offset: 4.472 ms

Remote clock offset: -1.8 ms

Below is generated by plot.py at 2018-07-09 23:34:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.03 Mbit/s

95th percentile per-packet one-way delay: 2.365 ms

Loss rate: 0.00%

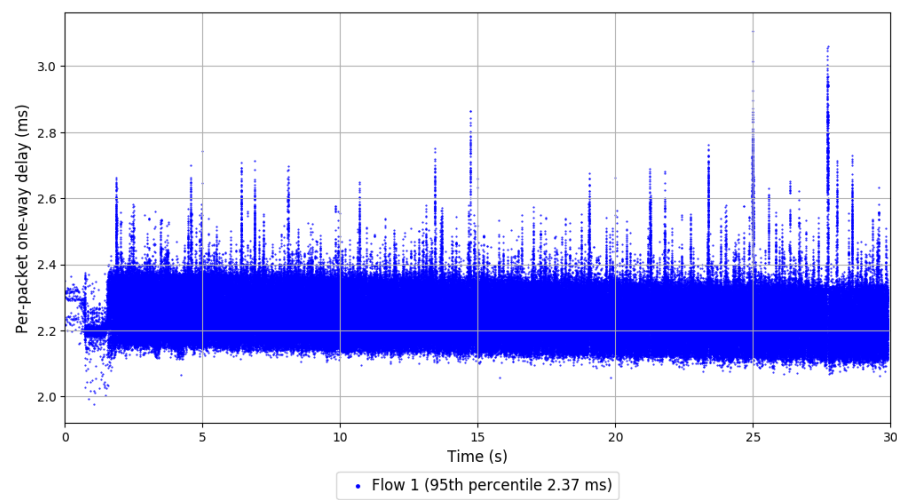
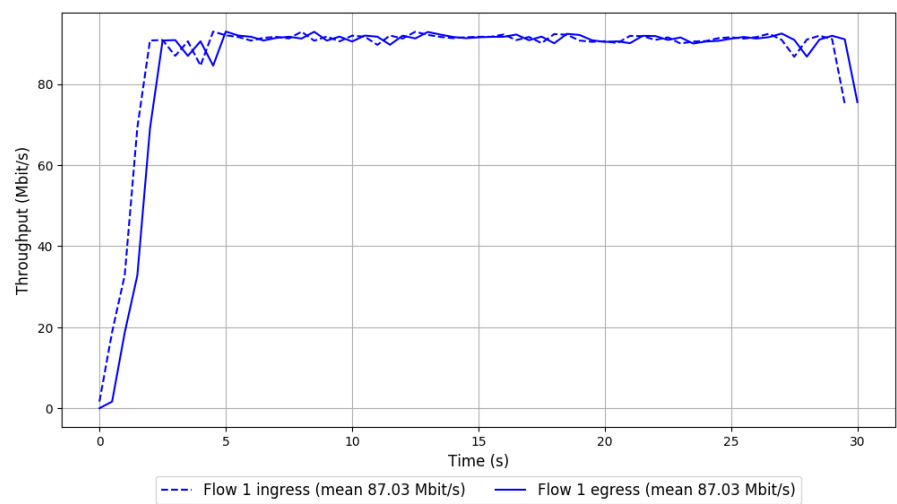
-- Flow 1:

Average throughput: 87.03 Mbit/s

95th percentile per-packet one-way delay: 2.365 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-09 20:17:22

End at: 2018-07-09 20:17:52

Local clock offset: 3.866 ms

Remote clock offset: -2.168 ms

Below is generated by plot.py at 2018-07-09 23:34:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.41 Mbit/s

95th percentile per-packet one-way delay: 2.679 ms

Loss rate: 0.00%

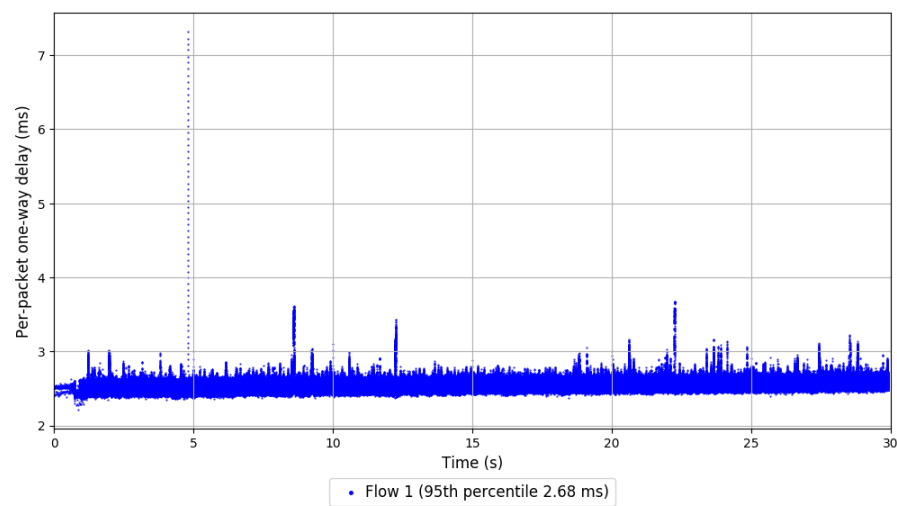
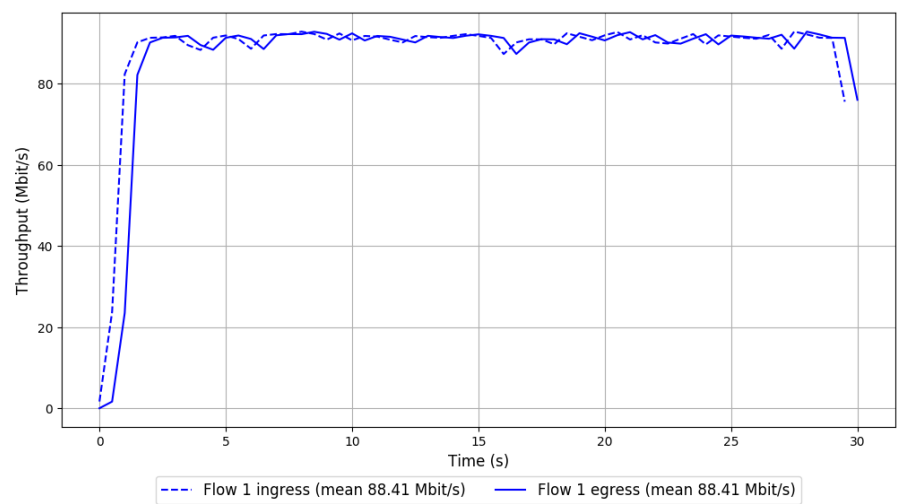
-- Flow 1:

Average throughput: 88.41 Mbit/s

95th percentile per-packet one-way delay: 2.679 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-09 20:36:25

End at: 2018-07-09 20:36:55

Local clock offset: 2.634 ms

Remote clock offset: -1.837 ms

Below is generated by plot.py at 2018-07-09 23:34:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.83 Mbit/s

95th percentile per-packet one-way delay: 2.645 ms

Loss rate: 0.01%

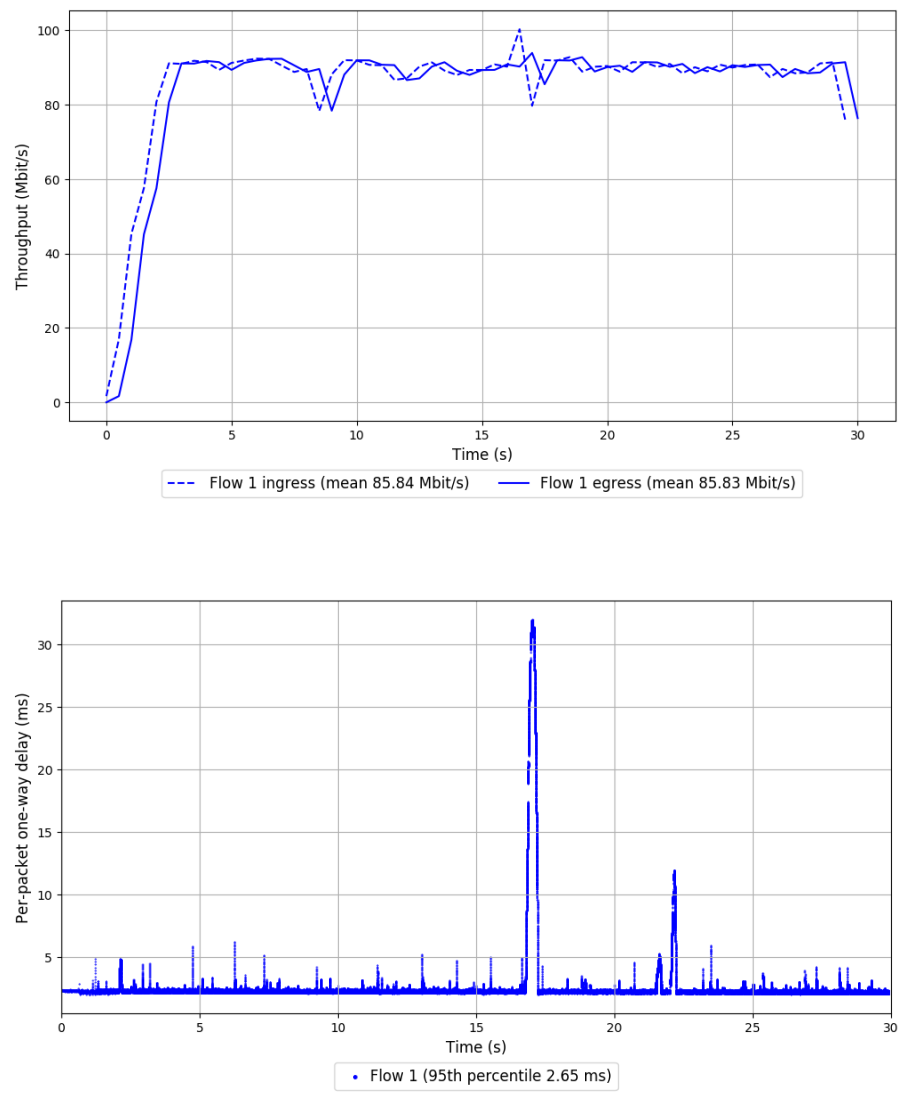
-- Flow 1:

Average throughput: 85.83 Mbit/s

95th percentile per-packet one-way delay: 2.645 ms

Loss rate: 0.01%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-09 20:55:27

End at: 2018-07-09 20:55:57

Local clock offset: 2.243 ms

Remote clock offset: -1.835 ms

Below is generated by plot.py at 2018-07-09 23:35:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.21 Mbit/s

95th percentile per-packet one-way delay: 2.792 ms

Loss rate: 0.00%

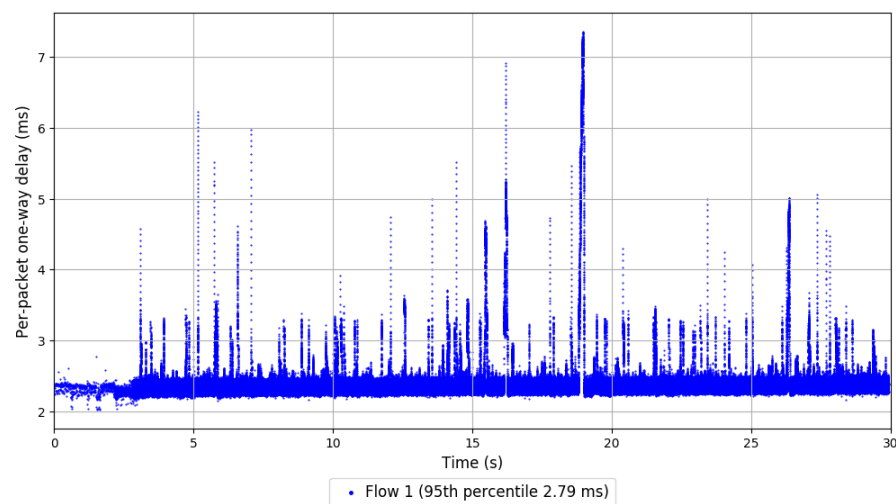
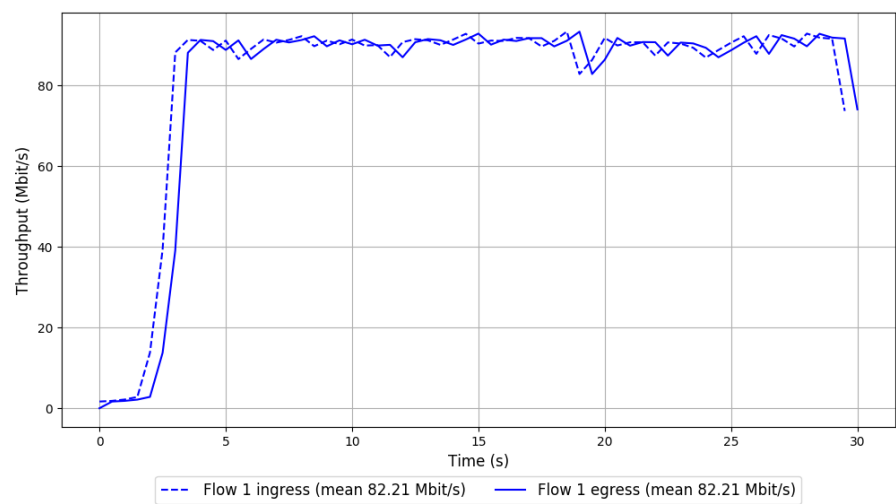
-- Flow 1:

Average throughput: 82.21 Mbit/s

95th percentile per-packet one-way delay: 2.792 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-09 21:14:29

End at: 2018-07-09 21:14:59

Local clock offset: 2.598 ms

Remote clock offset: -2.05 ms

Below is generated by plot.py at 2018-07-09 23:35:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.77 Mbit/s

95th percentile per-packet one-way delay: 4.079 ms

Loss rate: 0.22%

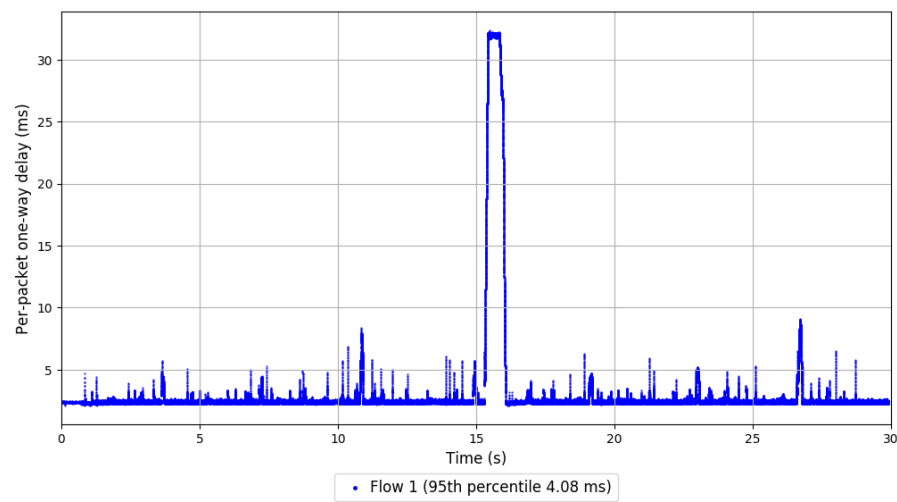
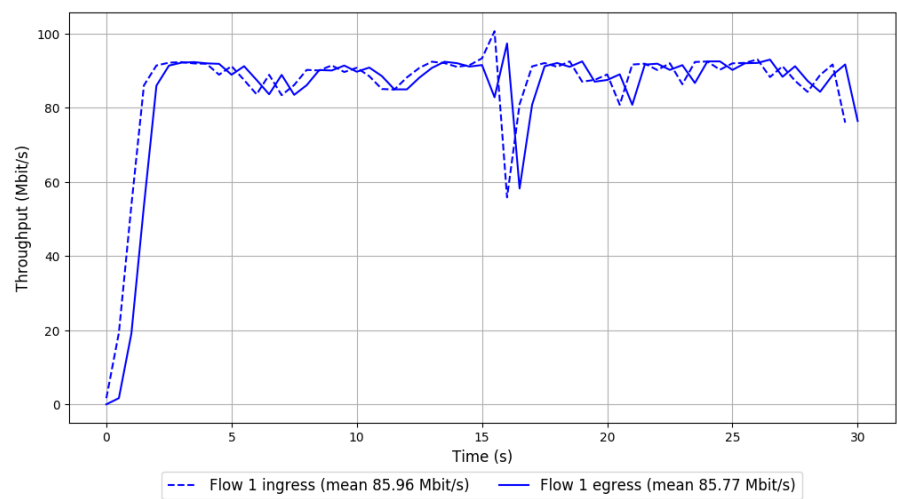
-- Flow 1:

Average throughput: 85.77 Mbit/s

95th percentile per-packet one-way delay: 4.079 ms

Loss rate: 0.22%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-07-09 21:33:32

End at: 2018-07-09 21:34:02

Local clock offset: 3.608 ms

Remote clock offset: -2.423 ms

Below is generated by plot.py at 2018-07-09 23:35:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.31 Mbit/s

95th percentile per-packet one-way delay: 2.553 ms

Loss rate: 0.00%

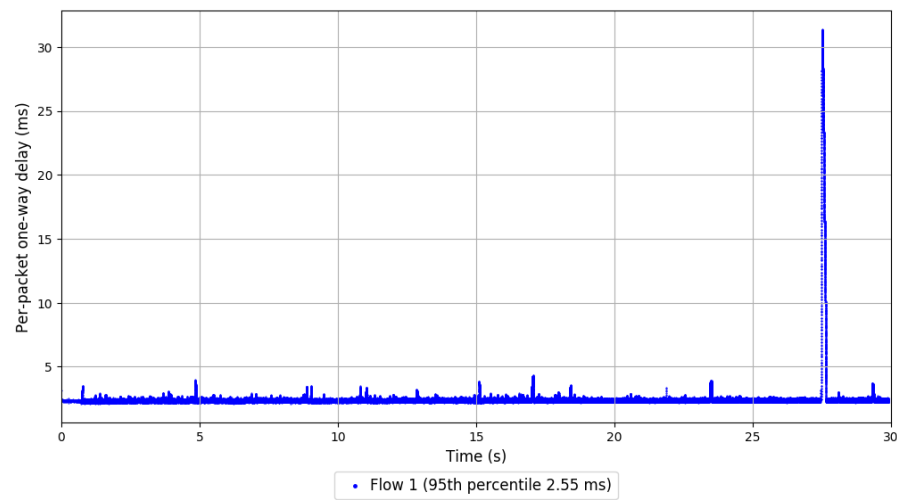
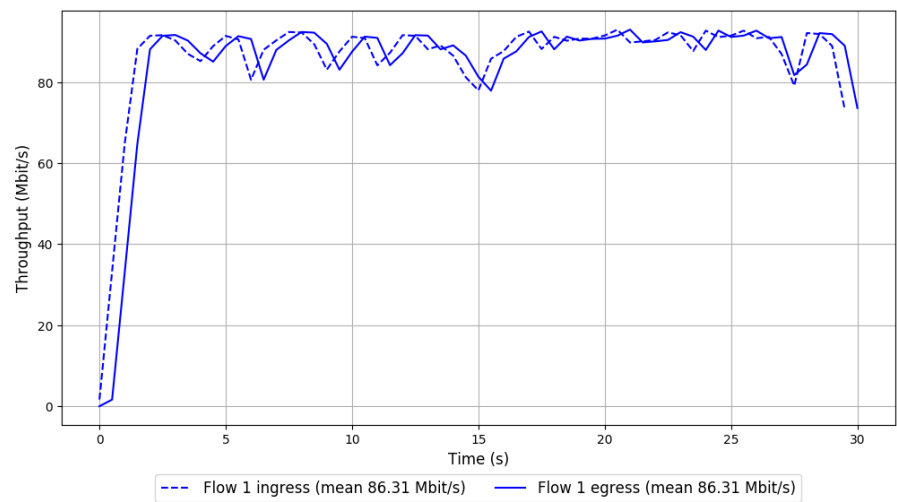
-- Flow 1:

Average throughput: 86.31 Mbit/s

95th percentile per-packet one-way delay: 2.553 ms

Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-09 21:52:34

End at: 2018-07-09 21:53:04

Local clock offset: 4.197 ms

Remote clock offset: -2.775 ms

Below is generated by plot.py at 2018-07-09 23:35:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.93 Mbit/s

95th percentile per-packet one-way delay: 2.793 ms

Loss rate: 0.00%

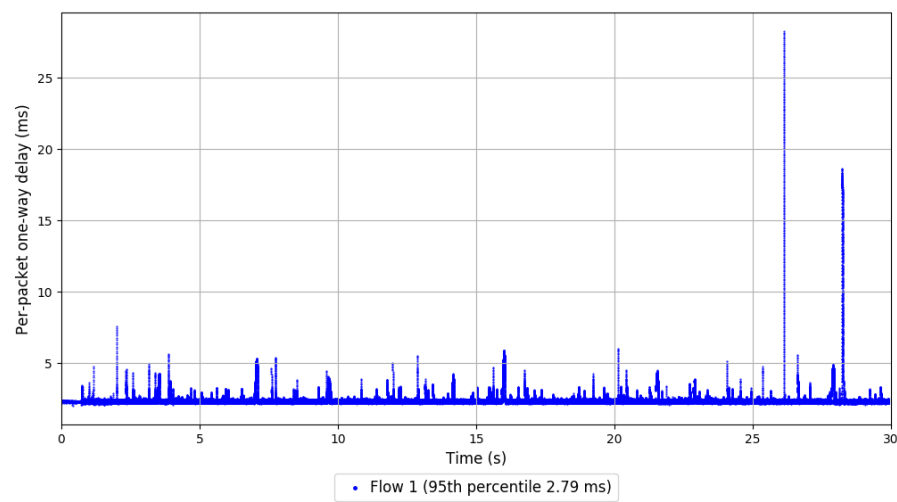
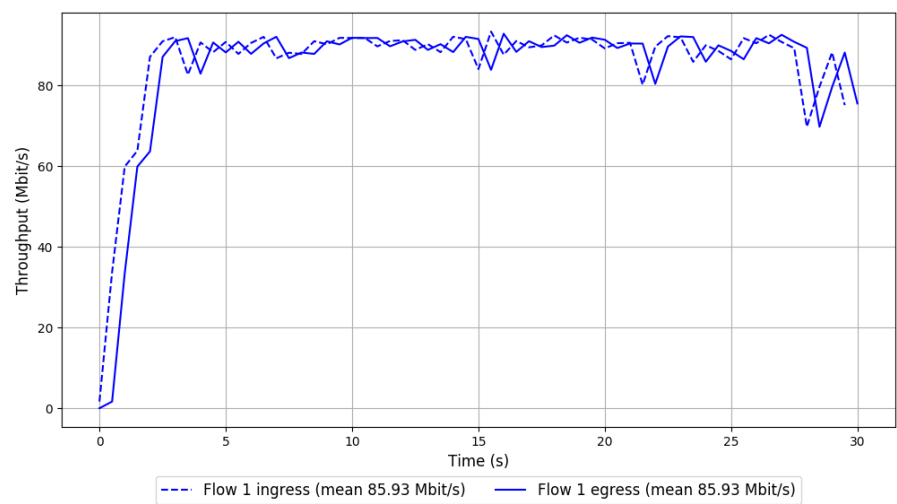
-- Flow 1:

Average throughput: 85.93 Mbit/s

95th percentile per-packet one-way delay: 2.793 ms

Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link

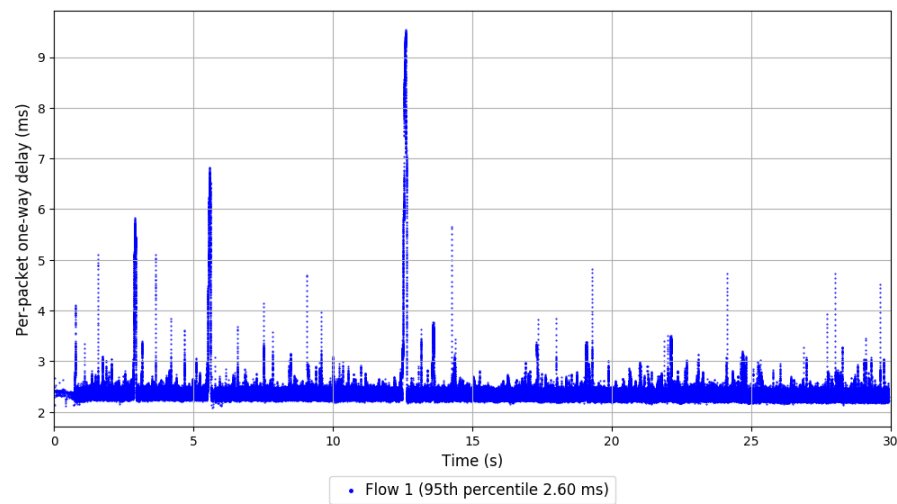
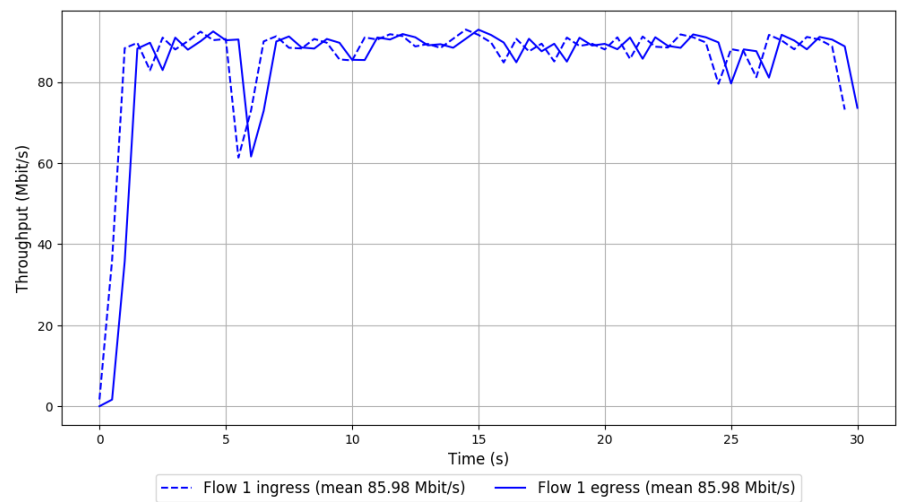


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-09 22:11:41
End at: 2018-07-09 22:12:11
Local clock offset: 3.446 ms
Remote clock offset: -1.914 ms

Below is generated by plot.py at 2018-07-09 23:35:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.98 Mbit/s
95th percentile per-packet one-way delay: 2.602 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.98 Mbit/s
95th percentile per-packet one-way delay: 2.602 ms
Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-09 22:30:43

End at: 2018-07-09 22:31:13

Local clock offset: 3.047 ms

Remote clock offset: -1.232 ms

Below is generated by plot.py at 2018-07-09 23:35:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.96 Mbit/s

95th percentile per-packet one-way delay: 2.726 ms

Loss rate: 0.00%

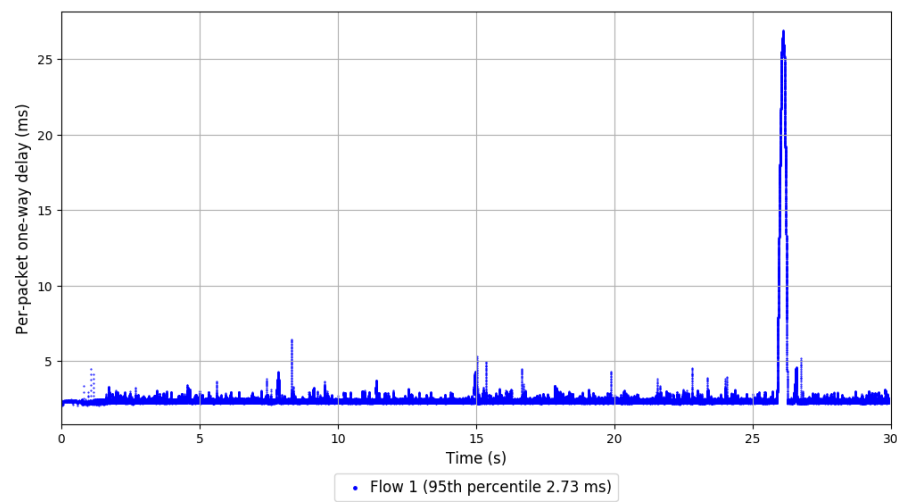
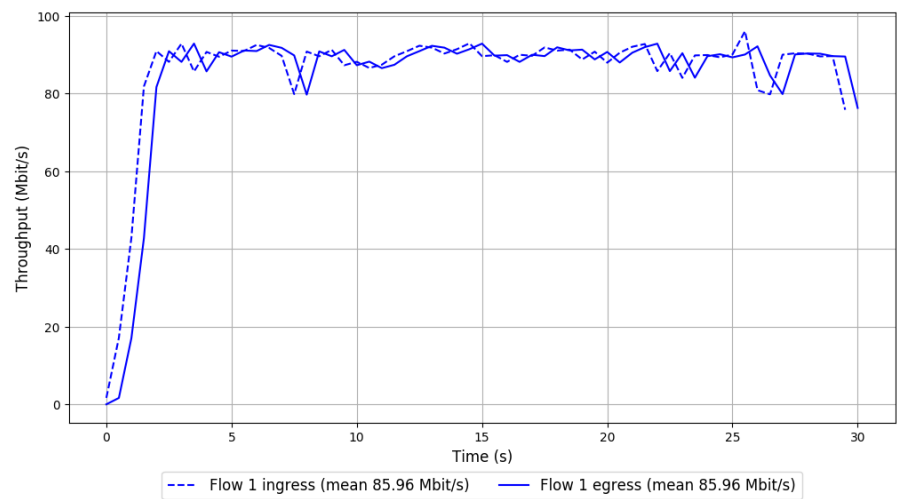
-- Flow 1:

Average throughput: 85.96 Mbit/s

95th percentile per-packet one-way delay: 2.726 ms

Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-09 22:49:45

End at: 2018-07-09 22:50:15

Local clock offset: 3.406 ms

Remote clock offset: -2.412 ms

Below is generated by plot.py at 2018-07-09 23:35:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.09 Mbit/s

95th percentile per-packet one-way delay: 2.832 ms

Loss rate: 0.06%

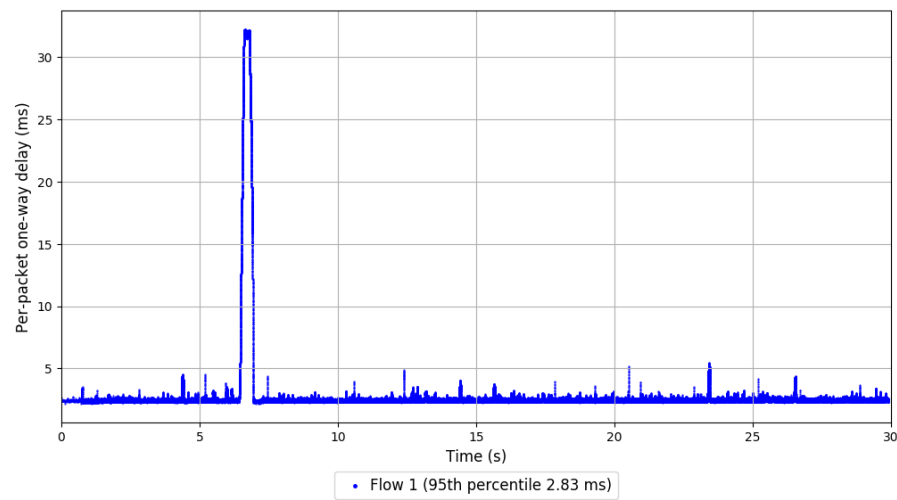
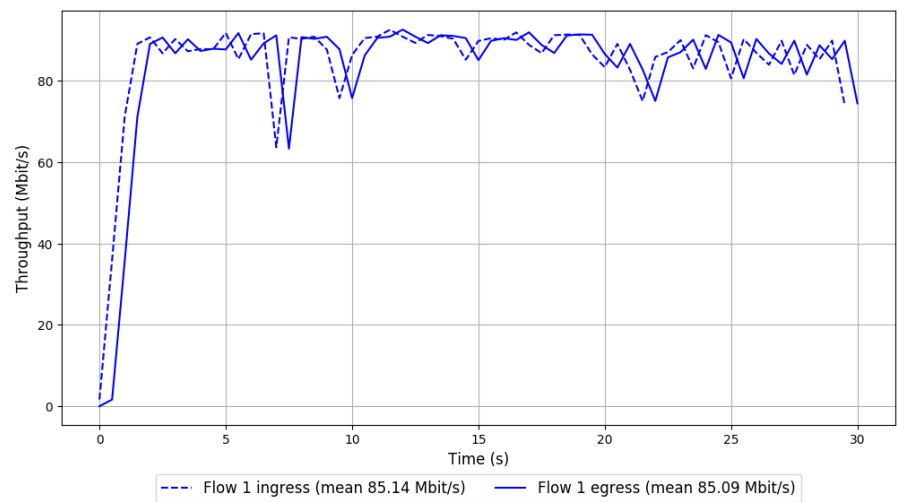
-- Flow 1:

Average throughput: 85.09 Mbit/s

95th percentile per-packet one-way delay: 2.832 ms

Loss rate: 0.06%

Run 10: Report of PCC-Vivace — Data Link

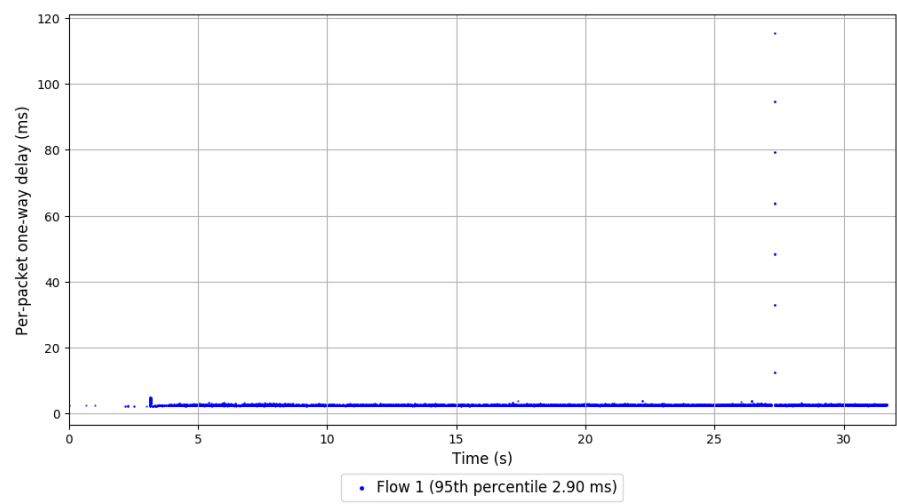
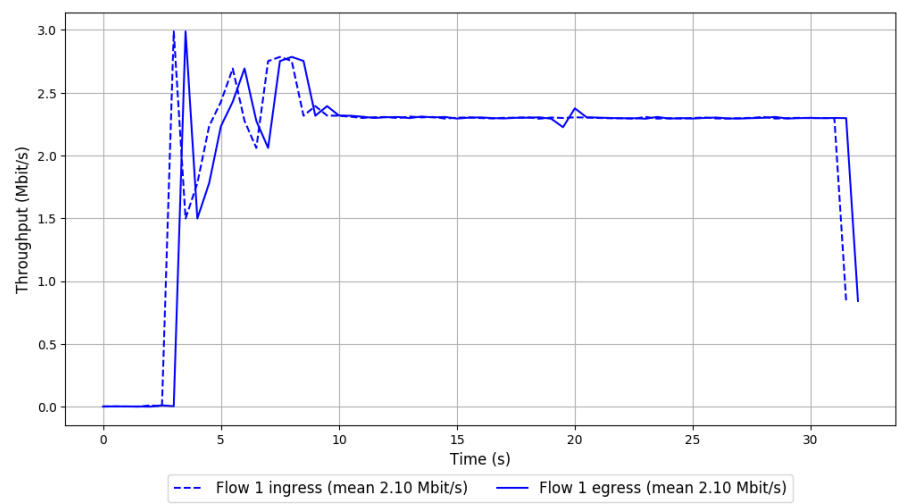


Run 1: Statistics of WebRTC media

Start at: 2018-07-09 20:15:09
End at: 2018-07-09 20:15:39
Local clock offset: 3.64 ms
Remote clock offset: -2.143 ms

Below is generated by plot.py at 2018-07-09 23:35:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 2.901 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 2.901 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

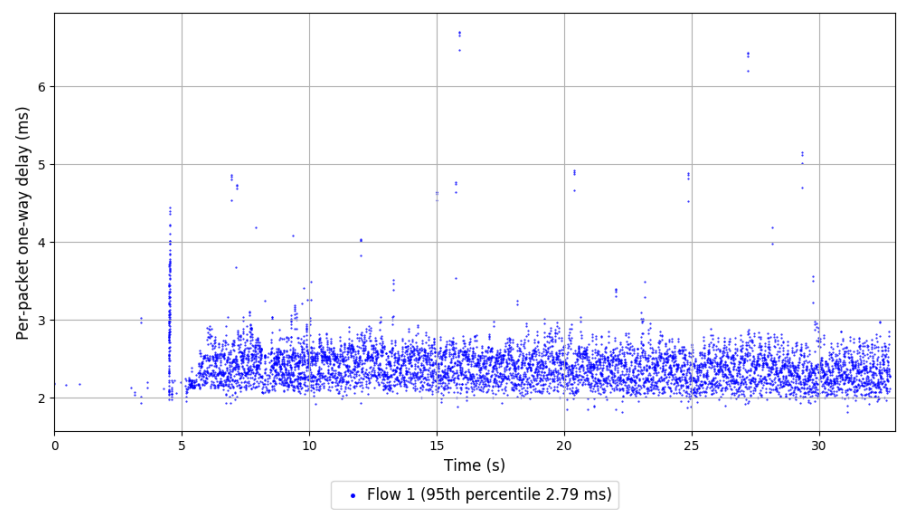
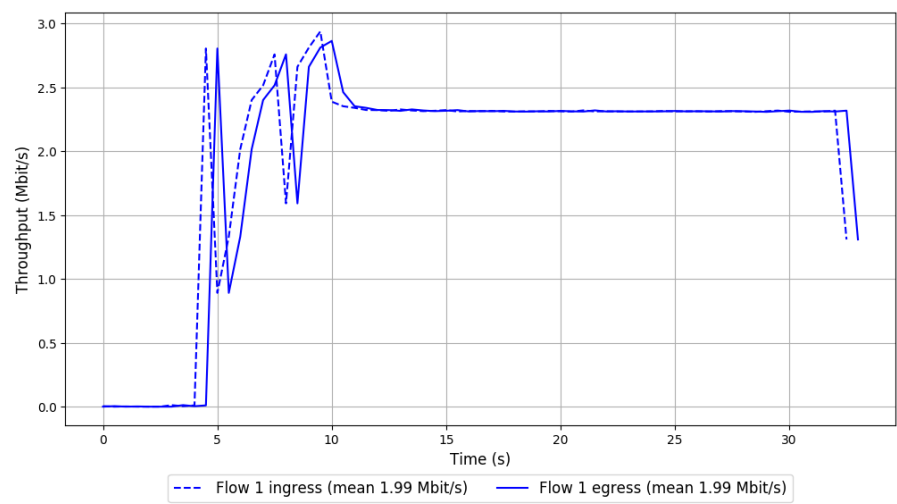


Run 2: Statistics of WebRTC media

Start at: 2018-07-09 20:34:12
End at: 2018-07-09 20:34:42
Local clock offset: 3.252 ms
Remote clock offset: -1.906 ms

Below is generated by plot.py at 2018-07-09 23:35:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 2.787 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 2.787 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

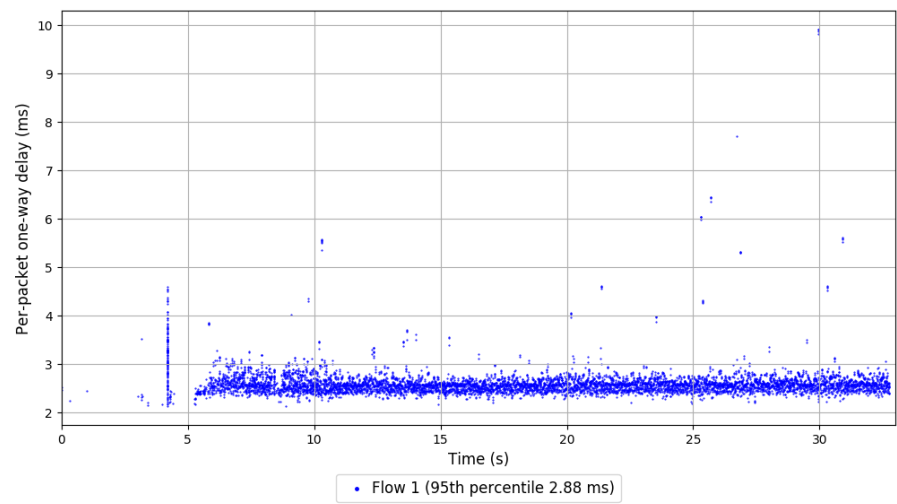
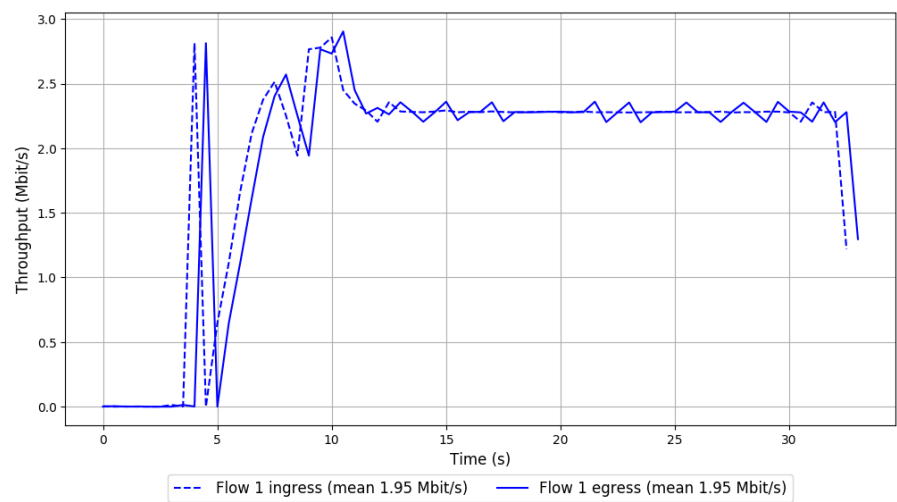


Run 3: Statistics of WebRTC media

Start at: 2018-07-09 20:53:14
End at: 2018-07-09 20:53:44
Local clock offset: 2.15 ms
Remote clock offset: -1.764 ms

Below is generated by plot.py at 2018-07-09 23:35:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 2.879 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 2.879 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-07-09 21:12:16

End at: 2018-07-09 21:12:46

Local clock offset: 2.58 ms

Remote clock offset: -2.06 ms

Below is generated by plot.py at 2018-07-09 23:35:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 3.041 ms

Loss rate: 0.00%

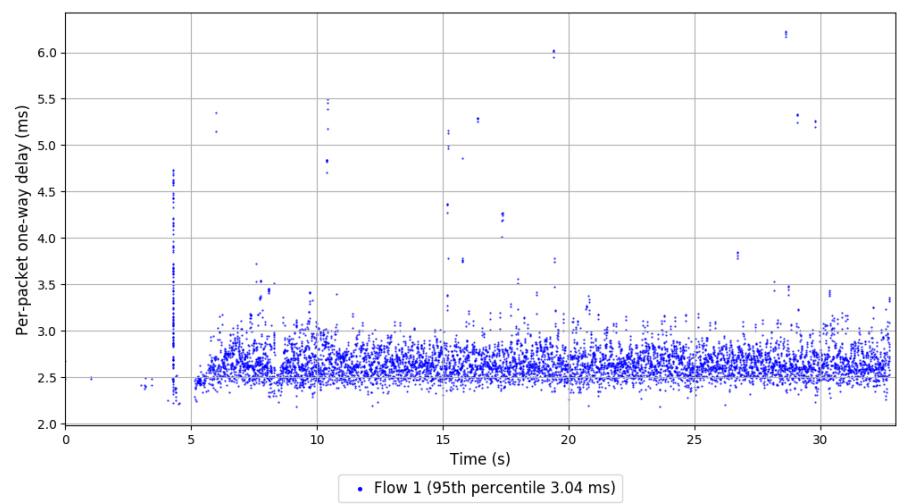
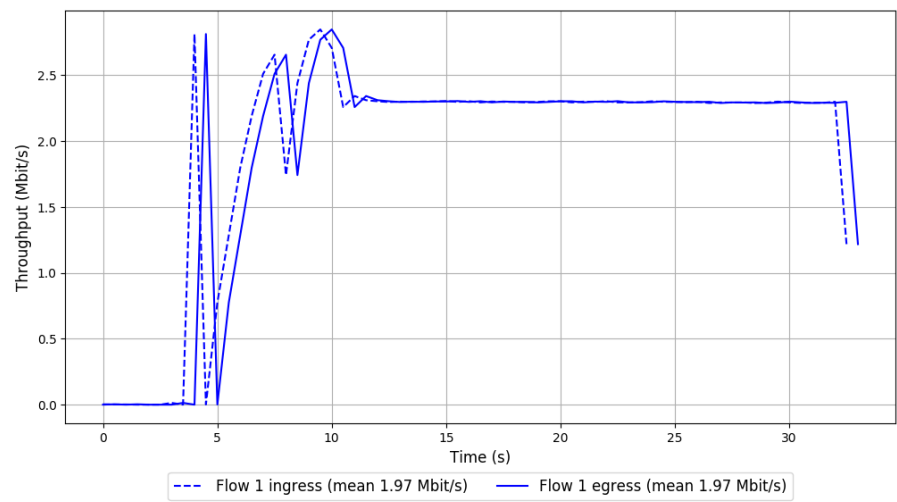
-- Flow 1:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 3.041 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

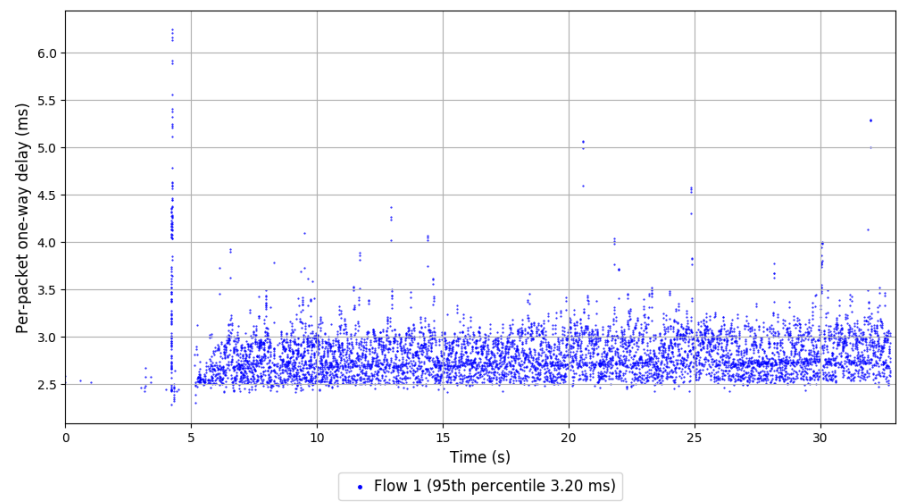
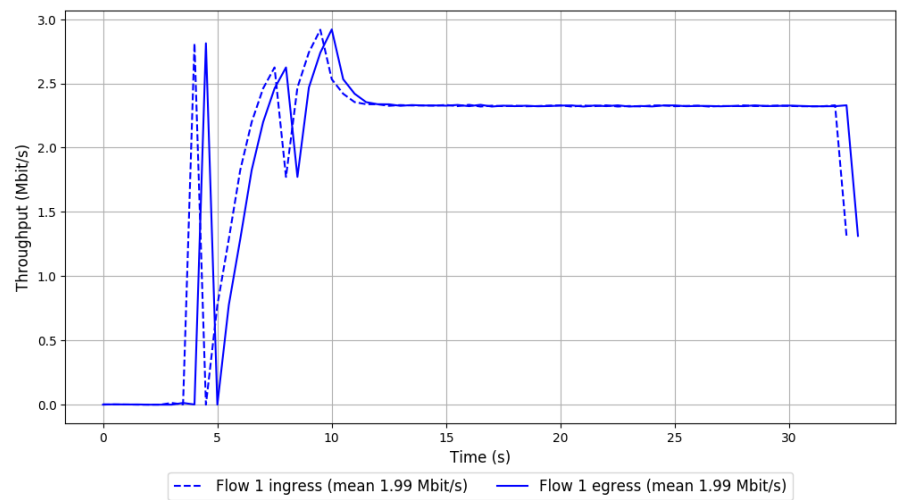


Run 5: Statistics of WebRTC media

Start at: 2018-07-09 21:31:19
End at: 2018-07-09 21:31:49
Local clock offset: 3.31 ms
Remote clock offset: -2.261 ms

Below is generated by plot.py at 2018-07-09 23:35:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 3.204 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 3.204 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

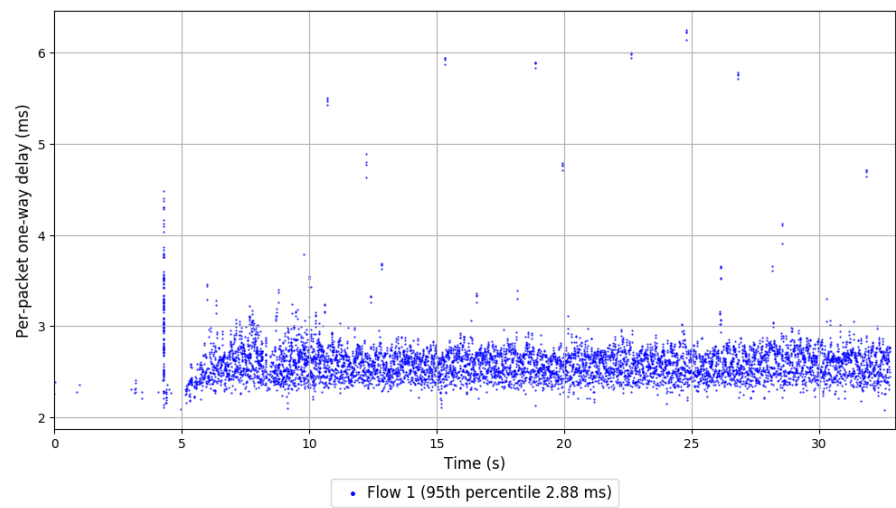
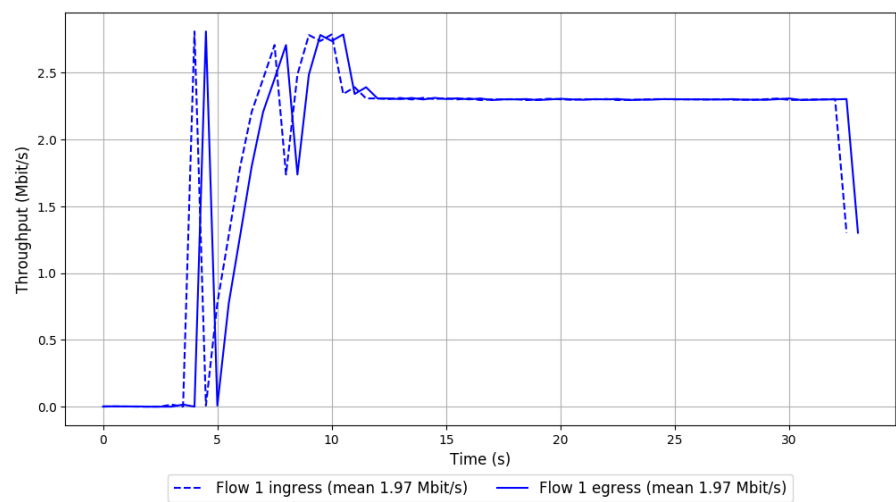


Run 6: Statistics of WebRTC media

Start at: 2018-07-09 21:50:21
End at: 2018-07-09 21:50:51
Local clock offset: 4.344 ms
Remote clock offset: -2.687 ms

Below is generated by plot.py at 2018-07-09 23:35:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 2.882 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 2.882 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

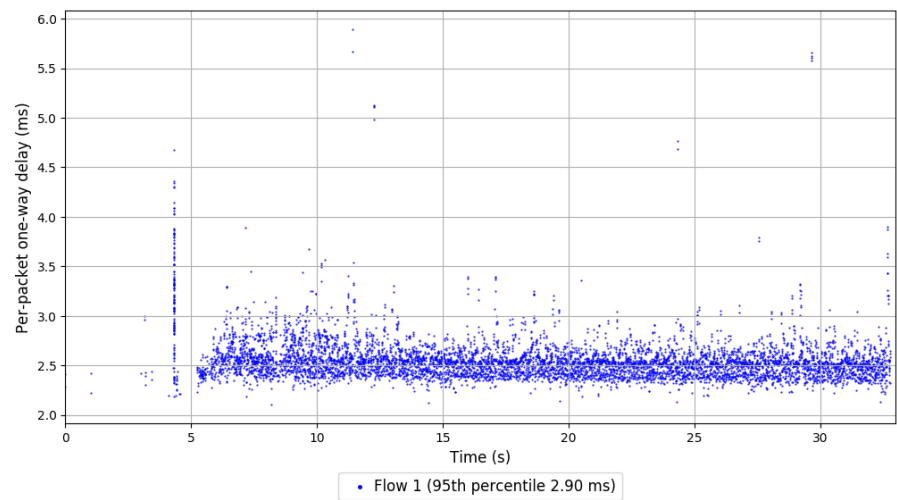
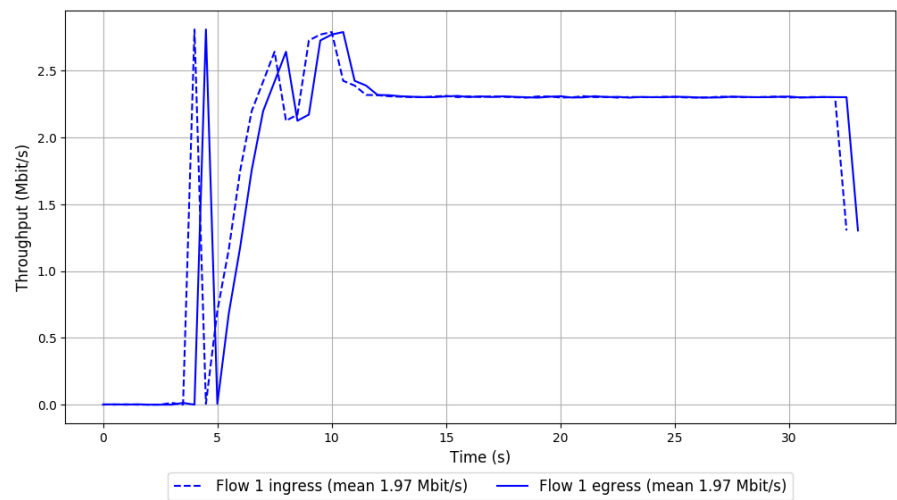


Run 7: Statistics of WebRTC media

Start at: 2018-07-09 22:09:28
End at: 2018-07-09 22:09:58
Local clock offset: 3.571 ms
Remote clock offset: -2.061 ms

Below is generated by plot.py at 2018-07-09 23:35:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 2.896 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 2.896 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

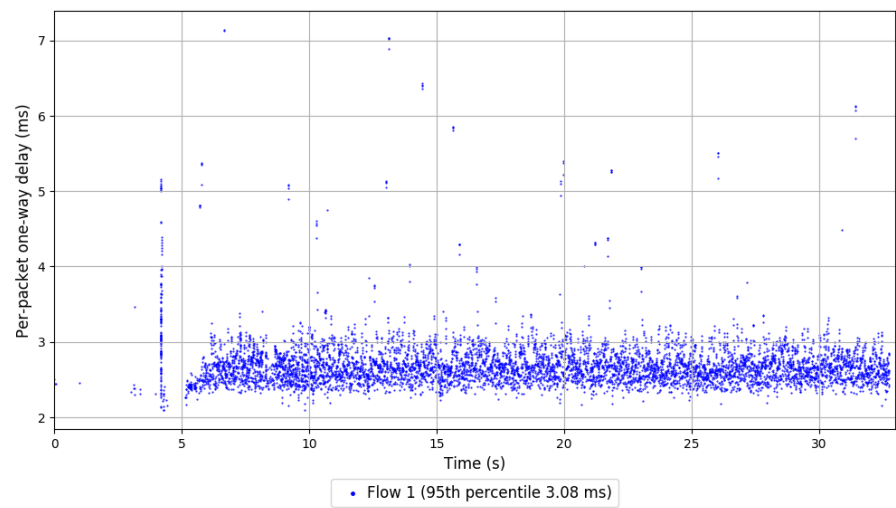
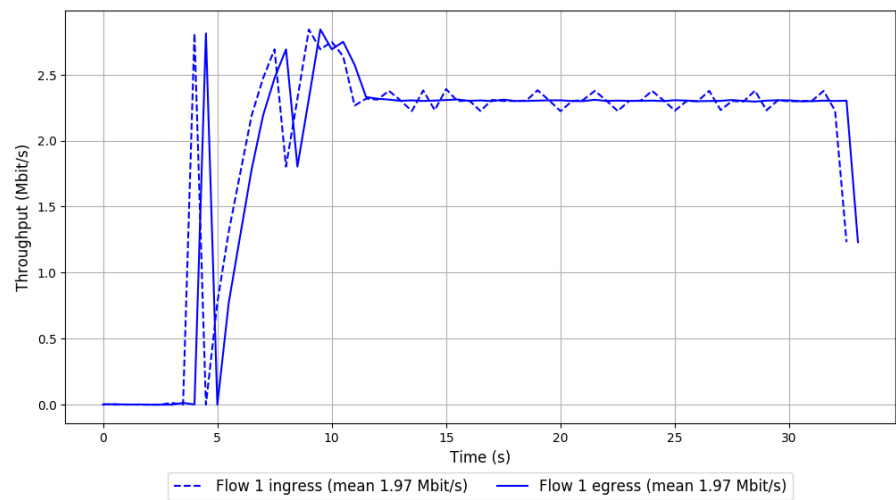


Run 8: Statistics of WebRTC media

Start at: 2018-07-09 22:28:30
End at: 2018-07-09 22:29:00
Local clock offset: 3.052 ms
Remote clock offset: -1.262 ms

Below is generated by plot.py at 2018-07-09 23:35:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 3.081 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 3.081 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

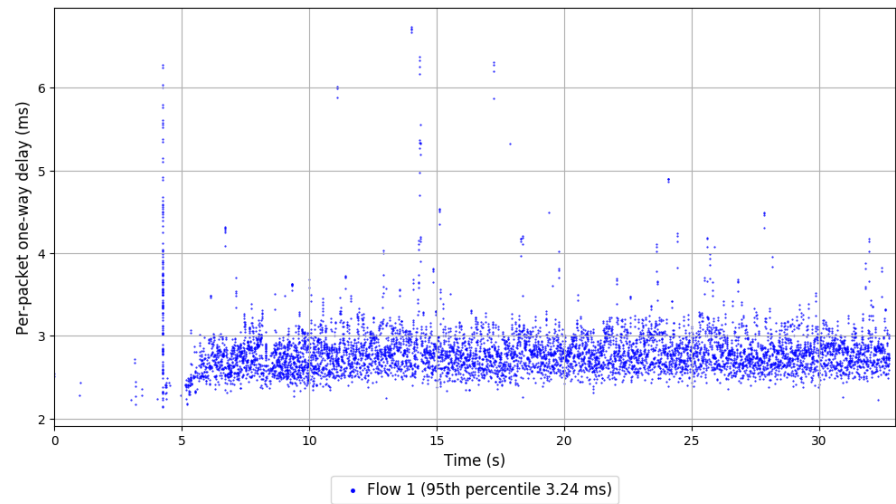
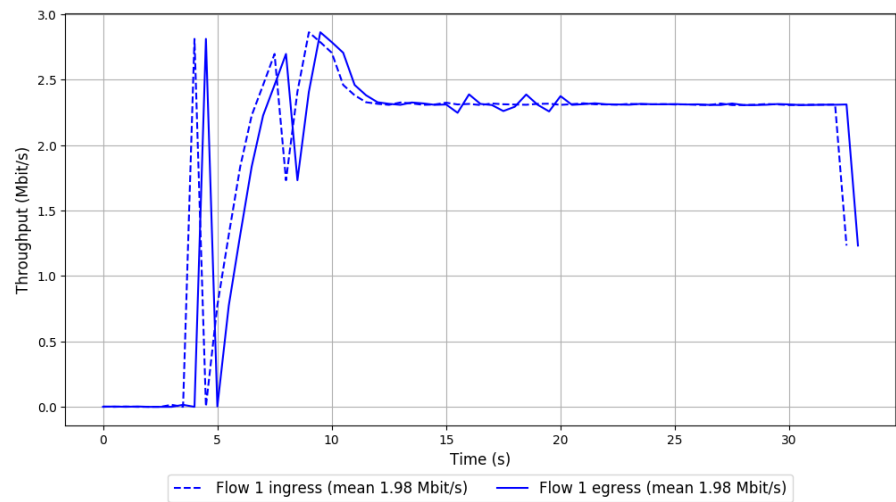


Run 9: Statistics of WebRTC media

Start at: 2018-07-09 22:47:32
End at: 2018-07-09 22:48:02
Local clock offset: 3.223 ms
Remote clock offset: -2.359 ms

Below is generated by plot.py at 2018-07-09 23:35:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 3.237 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 3.237 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-09 23:06:35

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

Local clock offset: 2.85 ms

Remote clock offset: -2.967 ms

Below is generated by plot.py at 2018-07-09 23:35:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 2.989 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 2.989 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

