

Pantheon Report

Generated at 2018-08-01 19:57:56 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

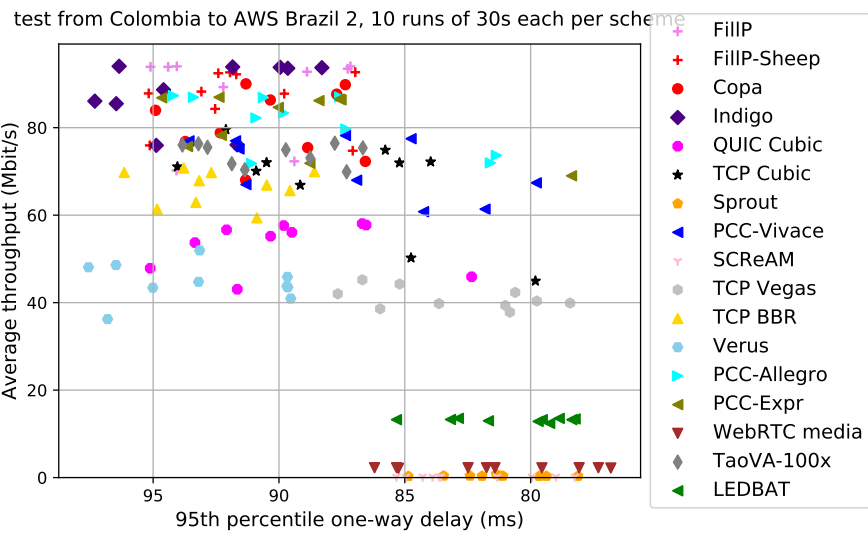
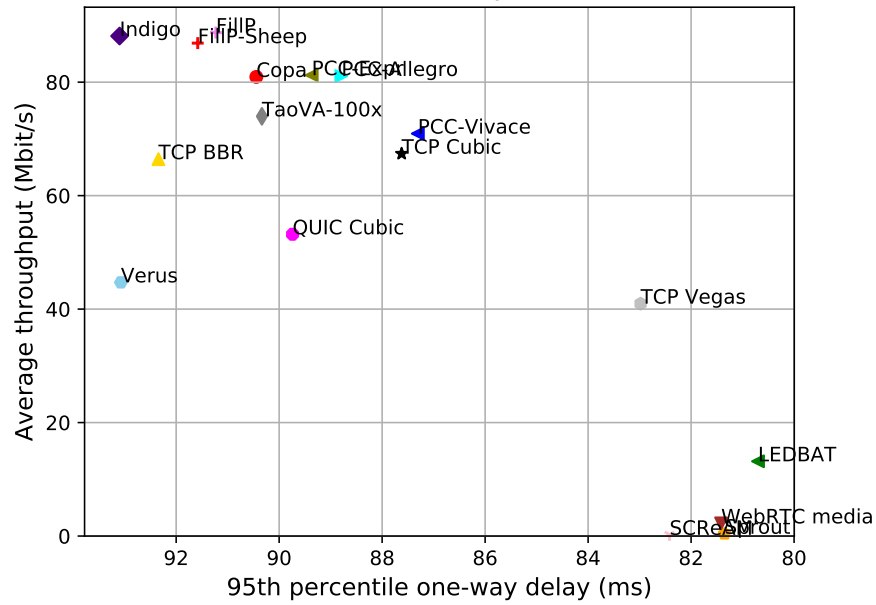
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

Git summary:

```
branch: master @ 640164b5b17c7c6561fff57729b3b5935d8596ce
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from Colombia to AWS Brazil 2, 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	66.43	92.34	3.26
Copa	10	80.92	90.44	5.20
TCP Cubic	10	67.39	87.62	0.62
FillP	10	88.74	91.23	3.24
FillP-Sheep	10	86.88	91.58	5.46
Indigo	10	88.13	93.10	3.07
LEDBAT	10	13.17	80.70	1.10
PCC-Allegro	10	81.09	88.79	1.32
PCC-Expr	10	81.23	89.37	1.15
QUIC Cubic	10	53.19	89.74	0.97
SCReAM	10	0.22	82.42	0.56
Sprout	10	0.40	81.35	0.40
TaoVA-100x	10	73.98	90.34	1.87
TCP Vegas	10	40.96	82.98	0.71
Verus	10	44.71	93.07	1.41
PCC-Vivace	10	70.93	87.31	1.15
WebRTC media	10	2.23	81.42	0.31

Run 1: Statistics of TCP BBR

Start at: 2018-08-01 16:23:39

End at: 2018-08-01 16:24:09

Local clock offset: -9.072 ms

Remote clock offset: 3.692 ms

Below is generated by plot.py at 2018-08-01 19:40:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.36 Mbit/s

95th percentile per-packet one-way delay: 94.839 ms

Loss rate: 6.96%

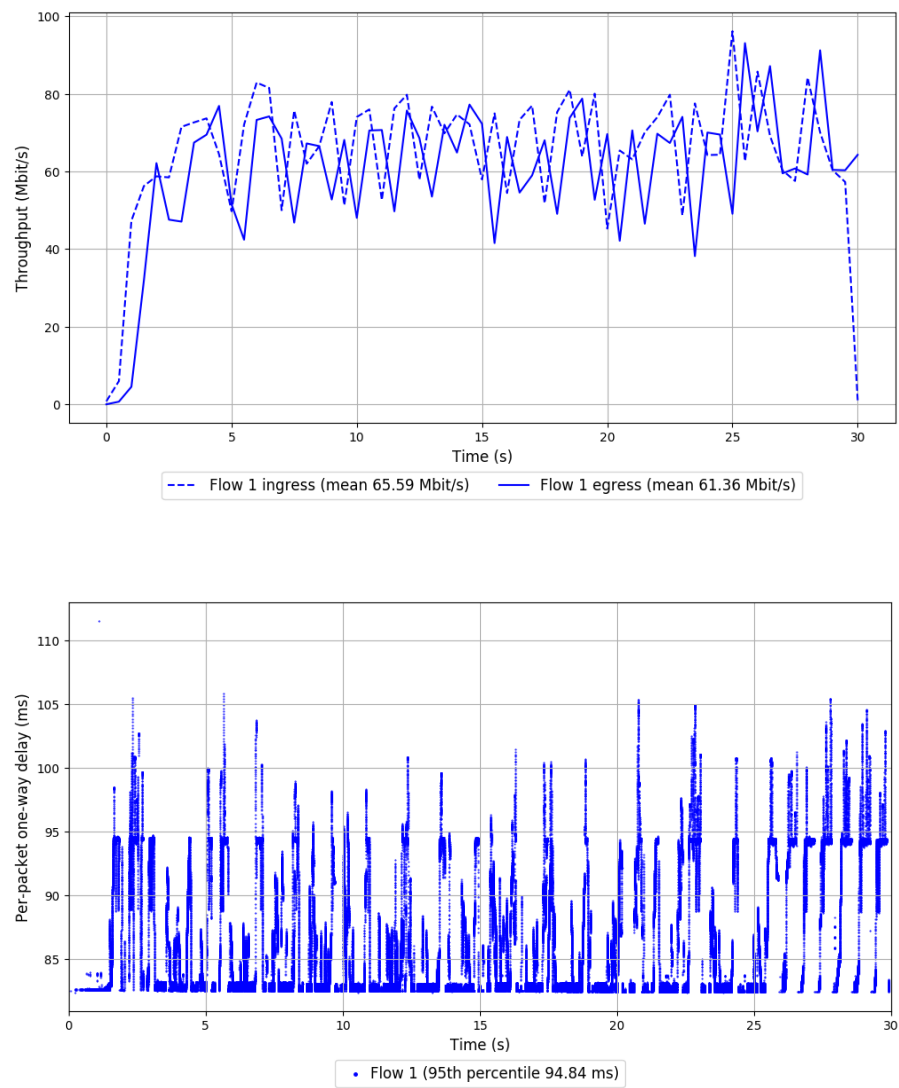
-- Flow 1:

Average throughput: 61.36 Mbit/s

95th percentile per-packet one-way delay: 94.839 ms

Loss rate: 6.96%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-08-01 16:43:31

End at: 2018-08-01 16:44:01

Local clock offset: -7.215 ms

Remote clock offset: 6.784 ms

Below is generated by plot.py at 2018-08-01 19:40:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.39 Mbit/s

95th percentile per-packet one-way delay: 90.875 ms

Loss rate: 8.49%

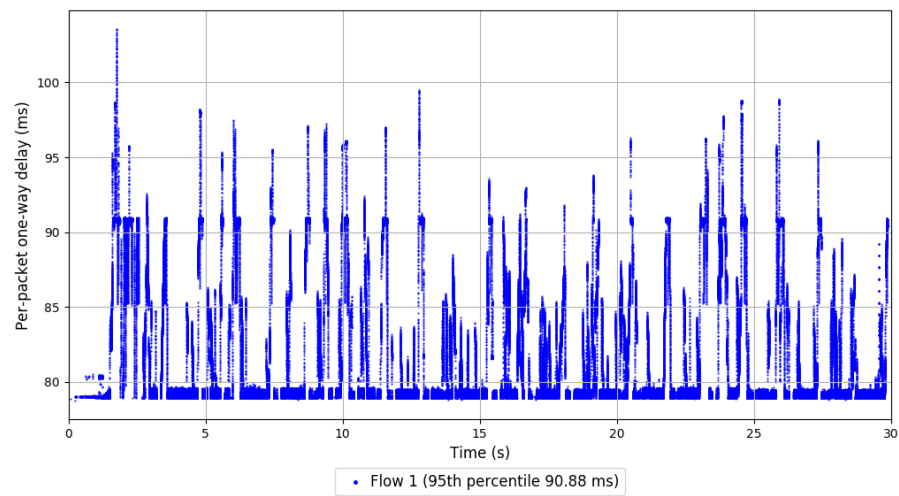
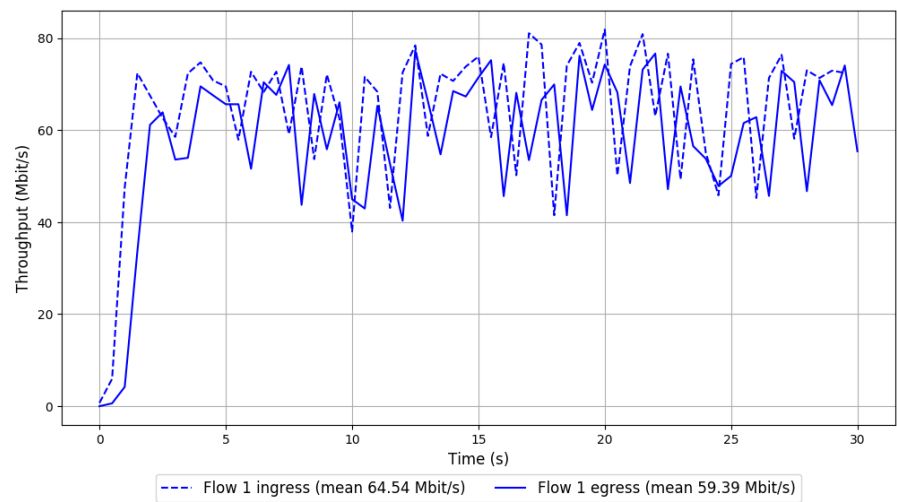
-- Flow 1:

Average throughput: 59.39 Mbit/s

95th percentile per-packet one-way delay: 90.875 ms

Loss rate: 8.49%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-08-01 17:03:27

End at: 2018-08-01 17:03:57

Local clock offset: -7.217 ms

Remote clock offset: 7.558 ms

Below is generated by plot.py at 2018-08-01 19:40:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.61 Mbit/s

95th percentile per-packet one-way delay: 89.562 ms

Loss rate: 1.11%

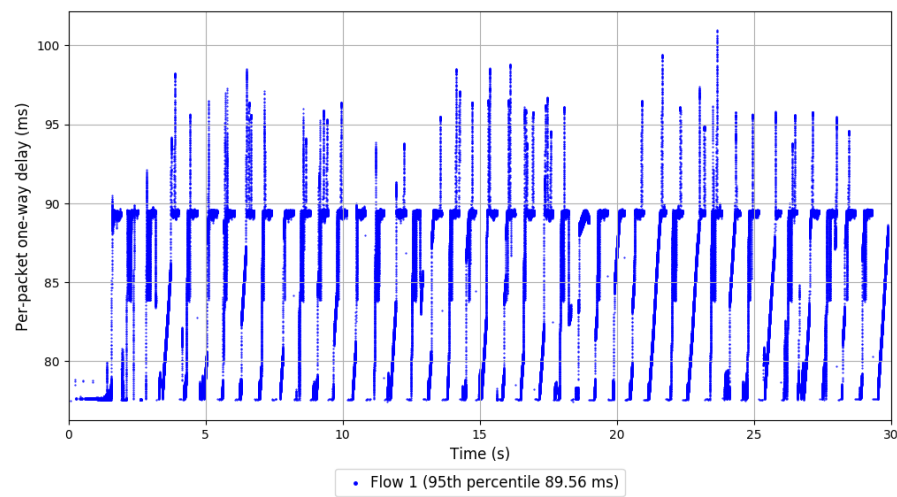
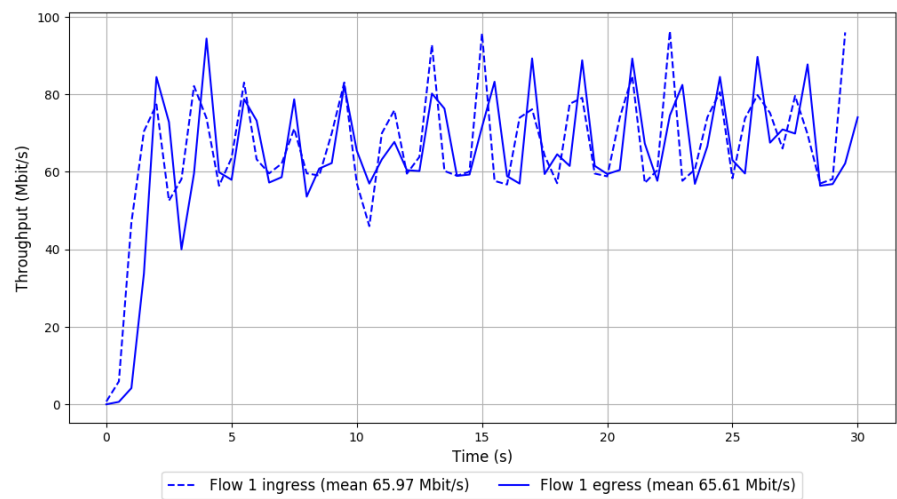
-- Flow 1:

Average throughput: 65.61 Mbit/s

95th percentile per-packet one-way delay: 89.562 ms

Loss rate: 1.11%

Run 3: Report of TCP BBR — Data Link

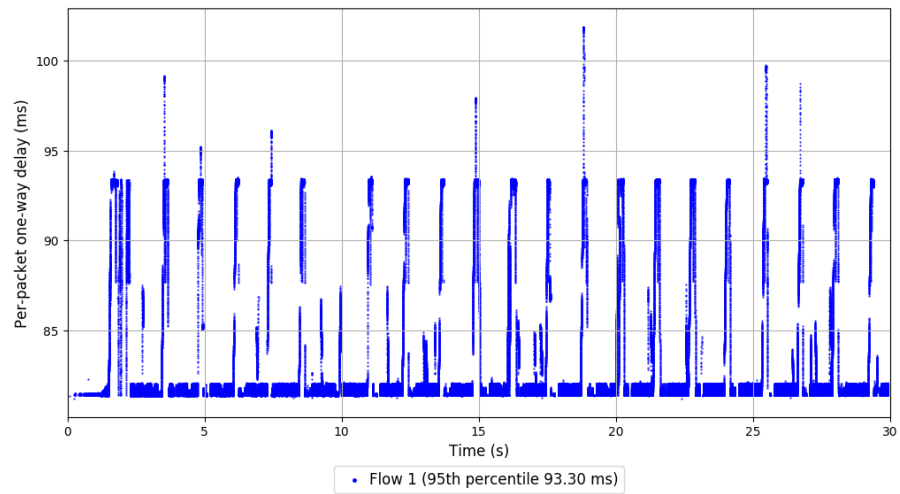
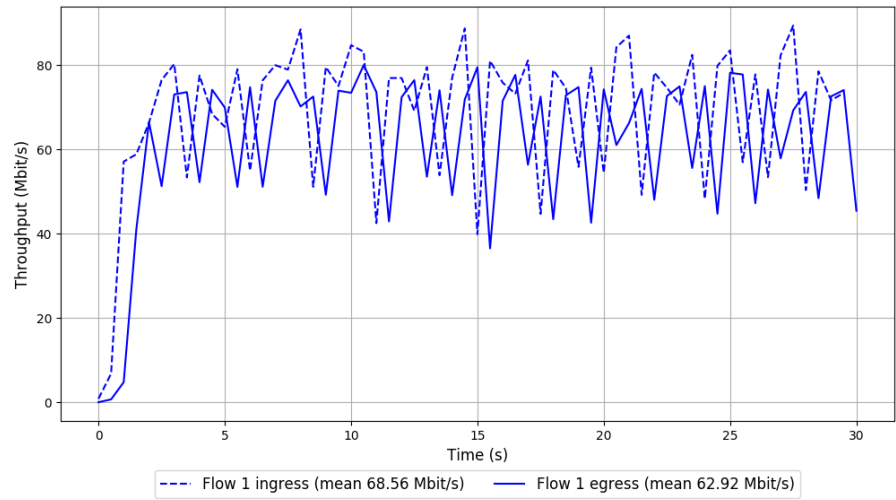


Run 4: Statistics of TCP BBR

Start at: 2018-08-01 17:23:22
End at: 2018-08-01 17:23:52
Local clock offset: -7.478 ms
Remote clock offset: 11.664 ms

Below is generated by plot.py at 2018-08-01 19:40:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 62.92 Mbit/s
95th percentile per-packet one-way delay: 93.301 ms
Loss rate: 8.72%
-- Flow 1:
Average throughput: 62.92 Mbit/s
95th percentile per-packet one-way delay: 93.301 ms
Loss rate: 8.72%

Run 4: Report of TCP BBR — Data Link

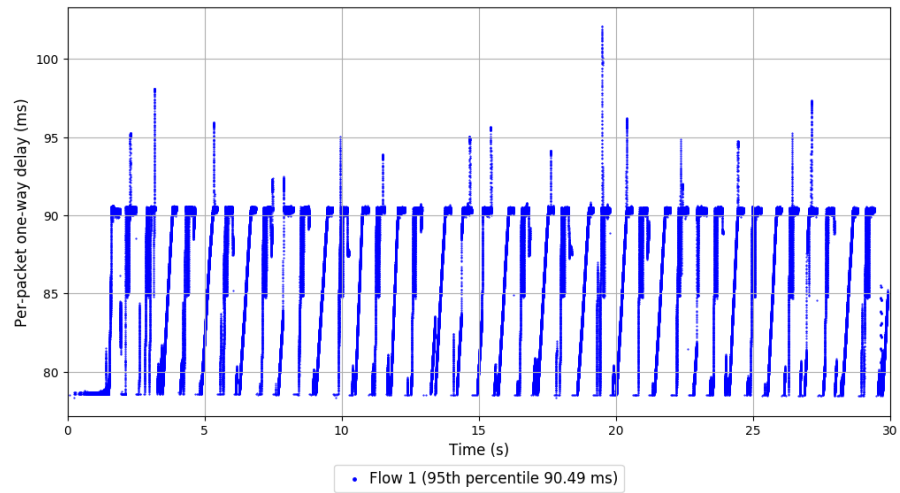
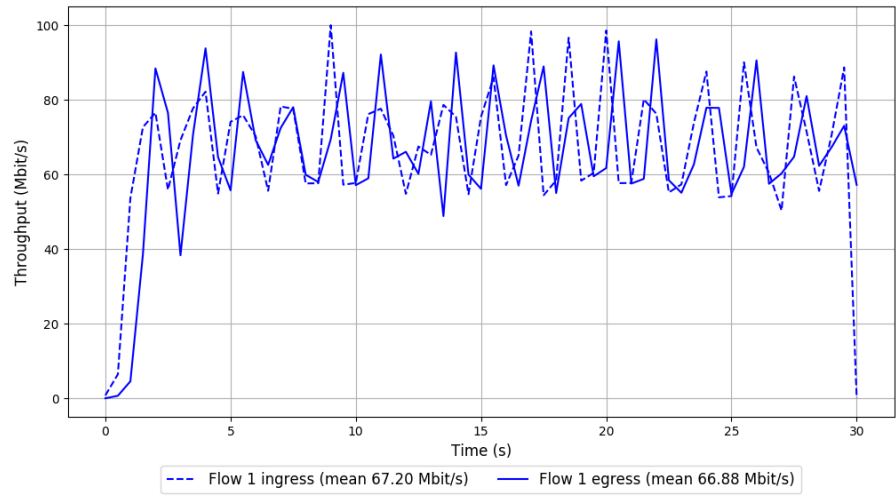


Run 5: Statistics of TCP BBR

Start at: 2018-08-01 17:43:28
End at: 2018-08-01 17:43:58
Local clock offset: -6.616 ms
Remote clock offset: 14.944 ms

Below is generated by plot.py at 2018-08-01 19:40:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.88 Mbit/s
95th percentile per-packet one-way delay: 90.486 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 66.88 Mbit/s
95th percentile per-packet one-way delay: 90.486 ms
Loss rate: 1.04%

Run 5: Report of TCP BBR — Data Link

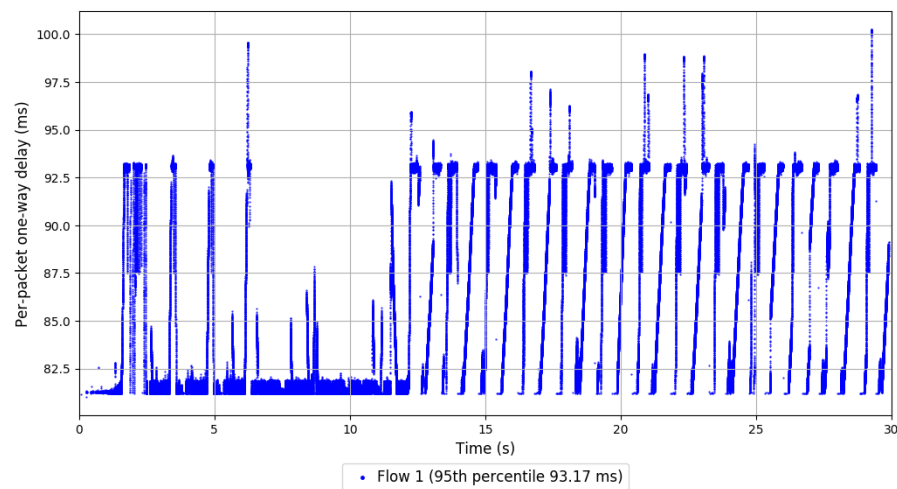
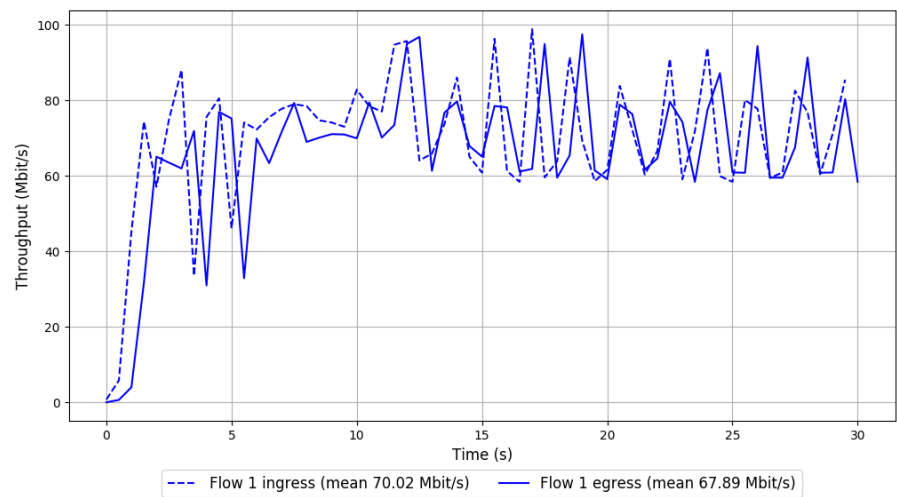


Run 6: Statistics of TCP BBR

Start at: 2018-08-01 18:03:30
End at: 2018-08-01 18:04:00
Local clock offset: -6.66 ms
Remote clock offset: 11.146 ms

Below is generated by plot.py at 2018-08-01 19:40:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.89 Mbit/s
95th percentile per-packet one-way delay: 93.168 ms
Loss rate: 3.58%
-- Flow 1:
Average throughput: 67.89 Mbit/s
95th percentile per-packet one-way delay: 93.168 ms
Loss rate: 3.58%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-08-01 18:23:36

End at: 2018-08-01 18:24:06

Local clock offset: -6.789 ms

Remote clock offset: 10.26 ms

Below is generated by plot.py at 2018-08-01 19:40:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.77 Mbit/s

95th percentile per-packet one-way delay: 96.150 ms

Loss rate: 0.63%

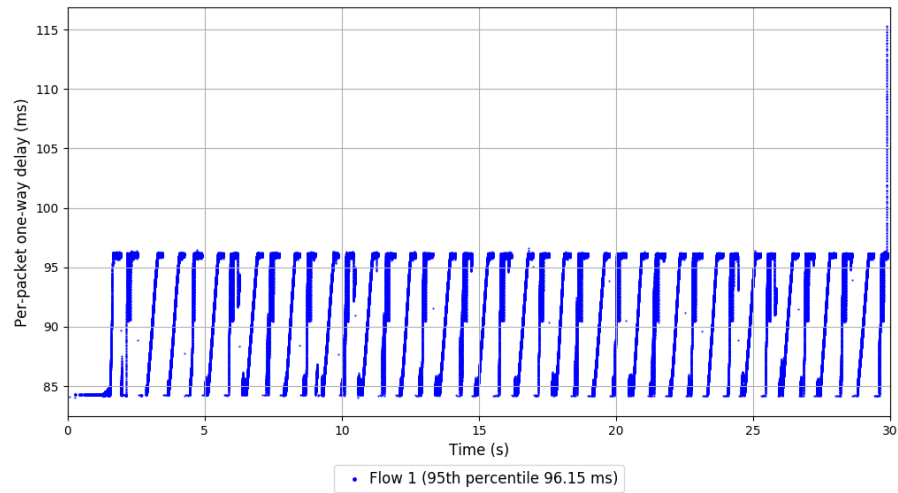
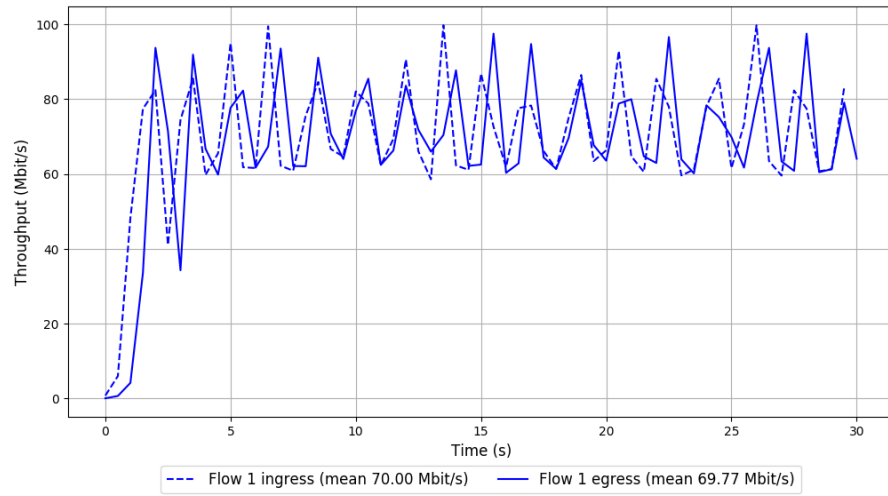
-- Flow 1:

Average throughput: 69.77 Mbit/s

95th percentile per-packet one-way delay: 96.150 ms

Loss rate: 0.63%

Run 7: Report of TCP BBR — Data Link

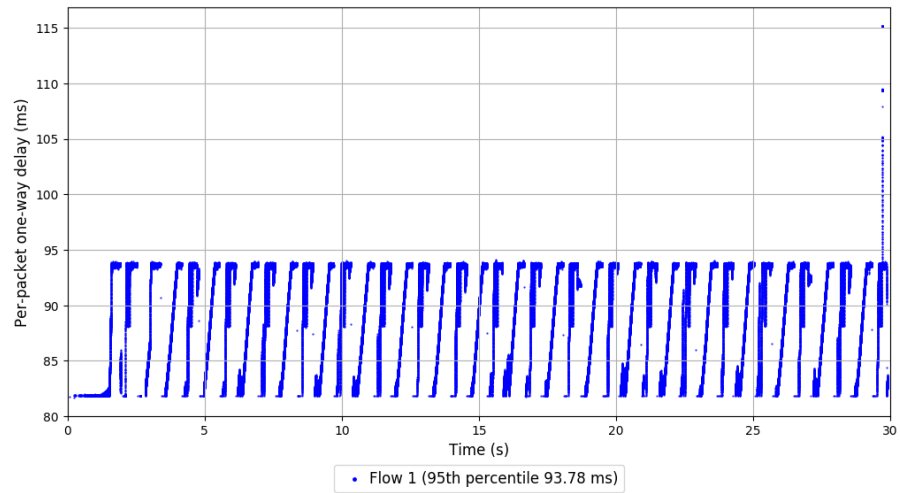
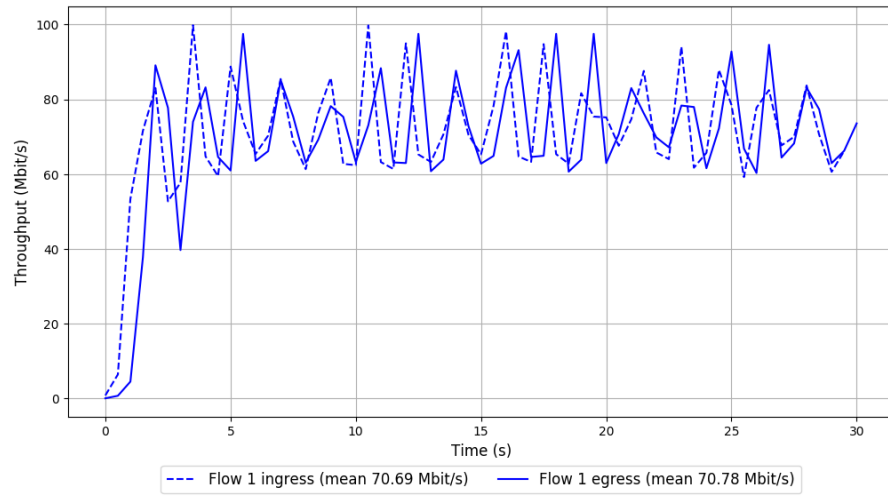


Run 8: Statistics of TCP BBR

Start at: 2018-08-01 18:43:31
End at: 2018-08-01 18:44:01
Local clock offset: -6.67 ms
Remote clock offset: 10.131 ms

Below is generated by plot.py at 2018-08-01 19:40:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.78 Mbit/s
95th percentile per-packet one-way delay: 93.784 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 70.78 Mbit/s
95th percentile per-packet one-way delay: 93.784 ms
Loss rate: 0.27%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-08-01 19:03:27

End at: 2018-08-01 19:03:57

Local clock offset: -6.633 ms

Remote clock offset: 8.623 ms

Below is generated by plot.py at 2018-08-01 19:40:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.93 Mbit/s

95th percentile per-packet one-way delay: 88.590 ms

Loss rate: 1.04%

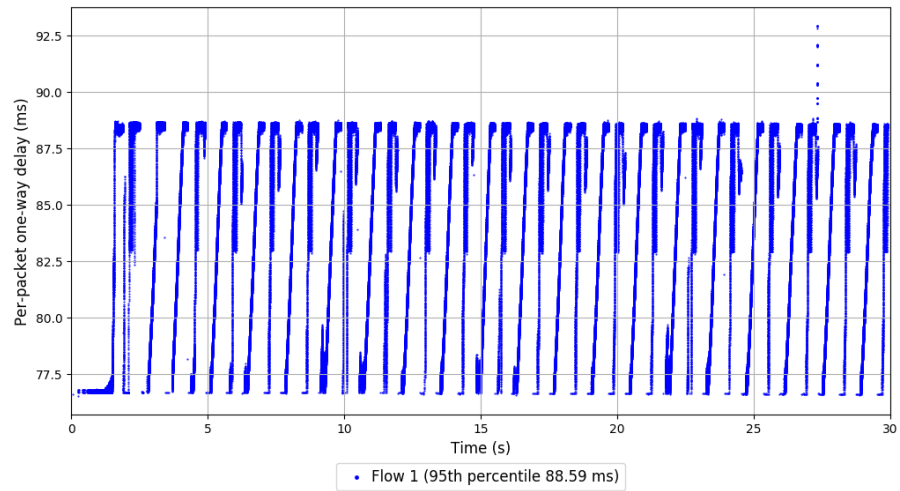
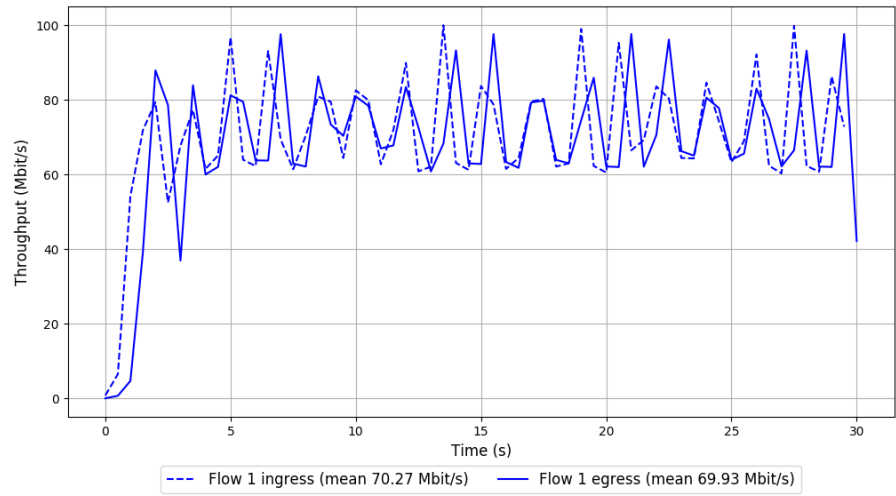
-- Flow 1:

Average throughput: 69.93 Mbit/s

95th percentile per-packet one-way delay: 88.590 ms

Loss rate: 1.04%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-08-01 19:23:25

End at: 2018-08-01 19:23:55

Local clock offset: -6.629 ms

Remote clock offset: 8.159 ms

Below is generated by plot.py at 2018-08-01 19:41:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.74 Mbit/s

95th percentile per-packet one-way delay: 92.687 ms

Loss rate: 0.79%

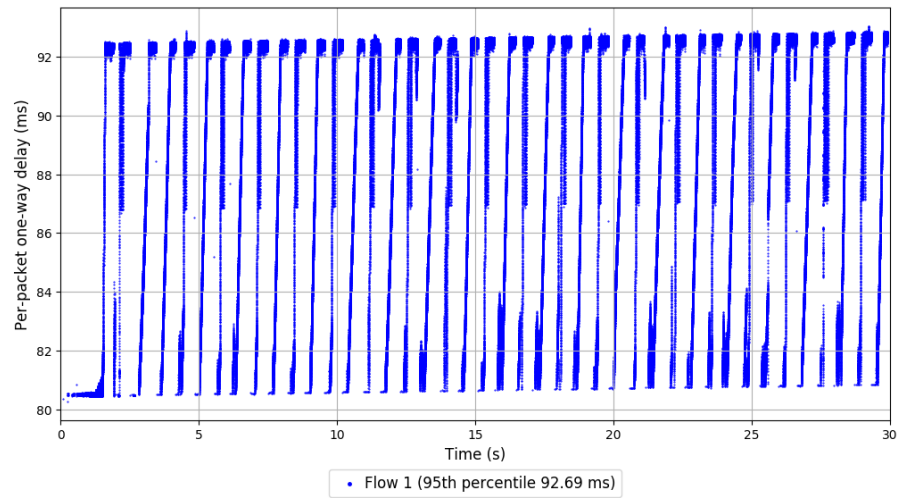
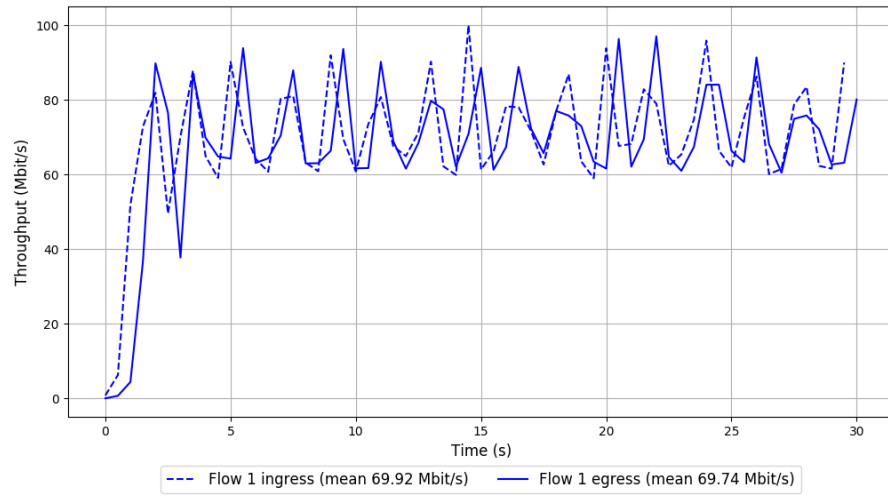
-- Flow 1:

Average throughput: 69.74 Mbit/s

95th percentile per-packet one-way delay: 92.687 ms

Loss rate: 0.79%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-08-01 16:34:10

End at: 2018-08-01 16:34:40

Local clock offset: -7.372 ms

Remote clock offset: 4.465 ms

Below is generated by plot.py at 2018-08-01 19:42:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.97 Mbit/s

95th percentile per-packet one-way delay: 94.906 ms

Loss rate: 0.62%

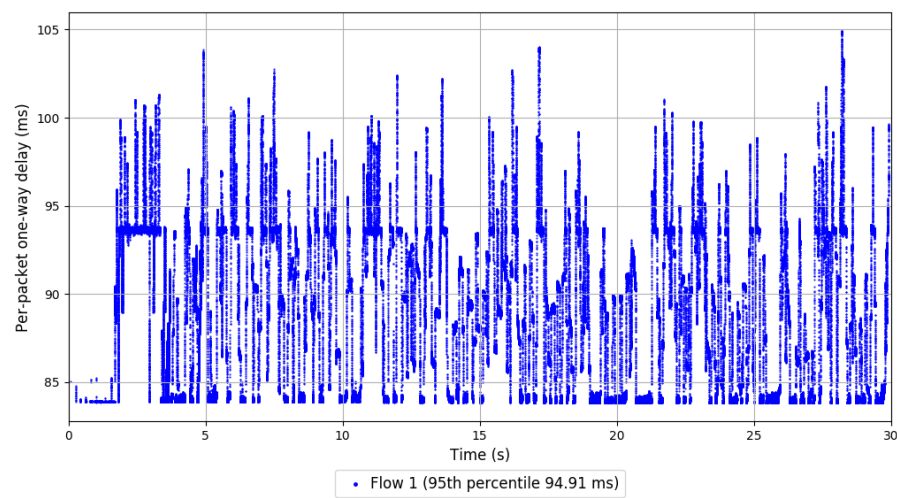
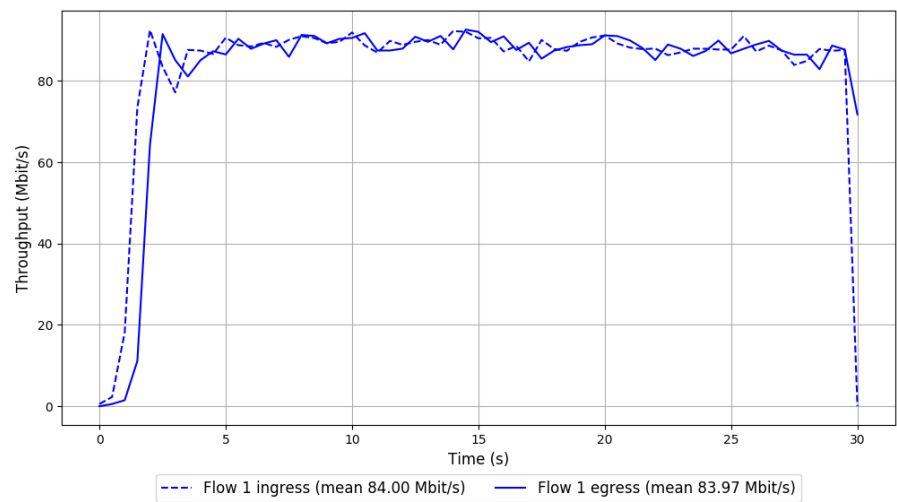
-- Flow 1:

Average throughput: 83.97 Mbit/s

95th percentile per-packet one-way delay: 94.906 ms

Loss rate: 0.62%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-08-01 16:54:06

End at: 2018-08-01 16:54:36

Local clock offset: -7.365 ms

Remote clock offset: 7.71 ms

Below is generated by plot.py at 2018-08-01 19:42:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.33 Mbit/s

95th percentile per-packet one-way delay: 90.343 ms

Loss rate: 0.60%

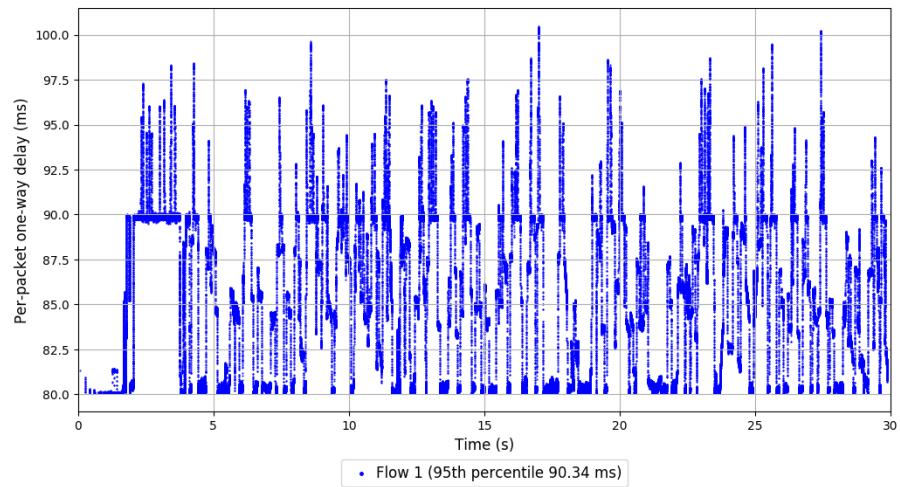
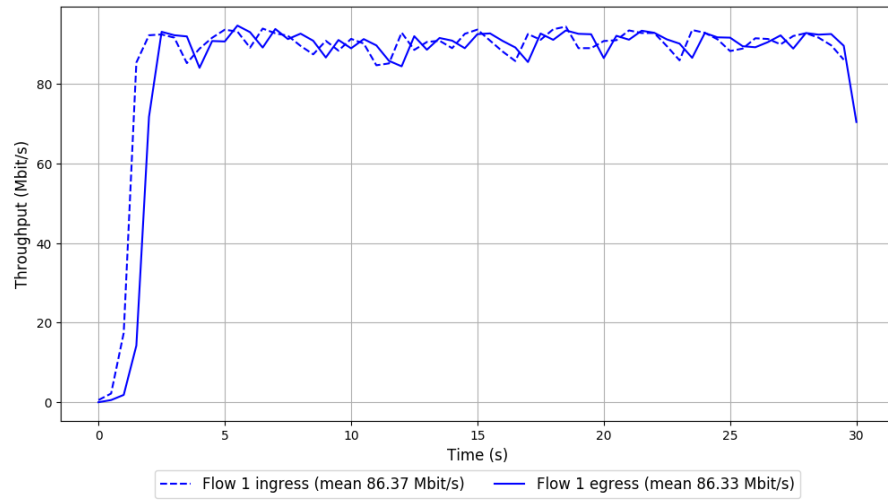
-- Flow 1:

Average throughput: 86.33 Mbit/s

95th percentile per-packet one-way delay: 90.343 ms

Loss rate: 0.60%

Run 2: Report of Copa — Data Link

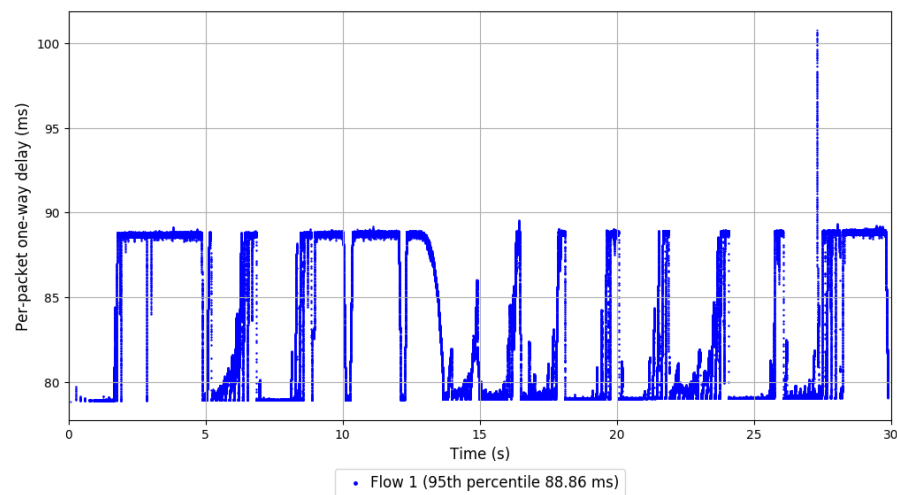
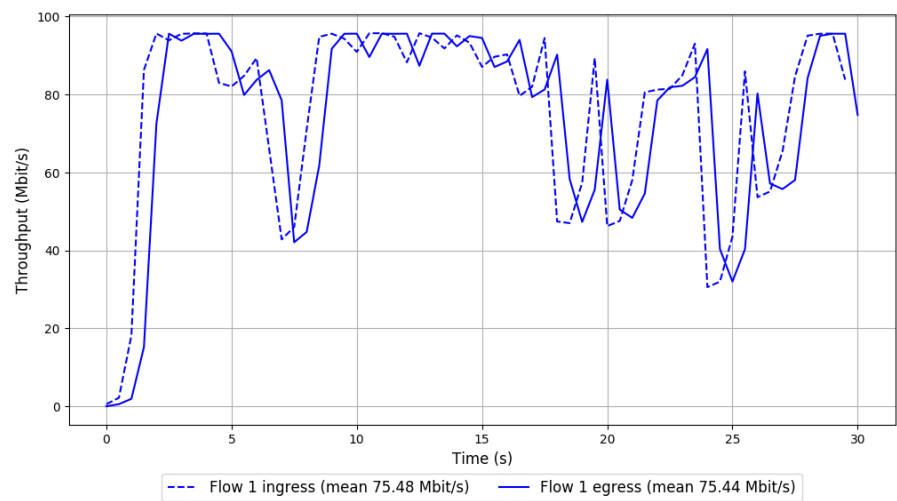


Run 3: Statistics of Copa

Start at: 2018-08-01 17:14:02
End at: 2018-08-01 17:14:32
Local clock offset: -7.395 ms
Remote clock offset: 12.187 ms

Below is generated by plot.py at 2018-08-01 19:42:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.44 Mbit/s
95th percentile per-packet one-way delay: 88.859 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 75.44 Mbit/s
95th percentile per-packet one-way delay: 88.859 ms
Loss rate: 0.60%

Run 3: Report of Copa — Data Link

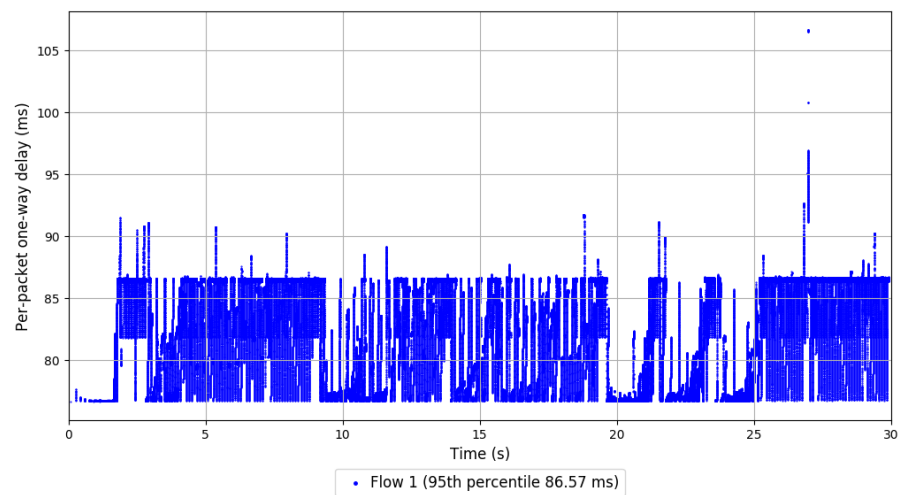
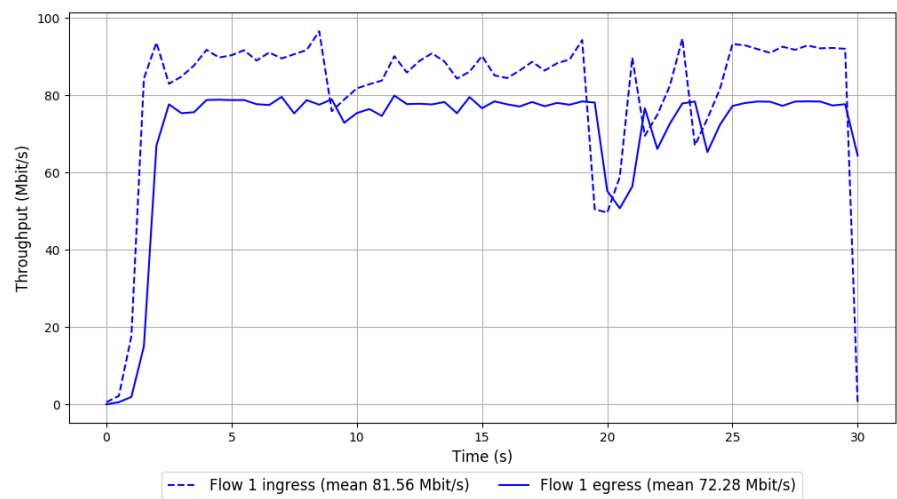


Run 4: Statistics of Copa

Start at: 2018-08-01 17:33:57
End at: 2018-08-01 17:34:27
Local clock offset: -6.795 ms
Remote clock offset: 18.203 ms

Below is generated by plot.py at 2018-08-01 19:42:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.28 Mbit/s
95th percentile per-packet one-way delay: 86.566 ms
Loss rate: 11.87%
-- Flow 1:
Average throughput: 72.28 Mbit/s
95th percentile per-packet one-way delay: 86.566 ms
Loss rate: 11.87%

Run 4: Report of Copa — Data Link

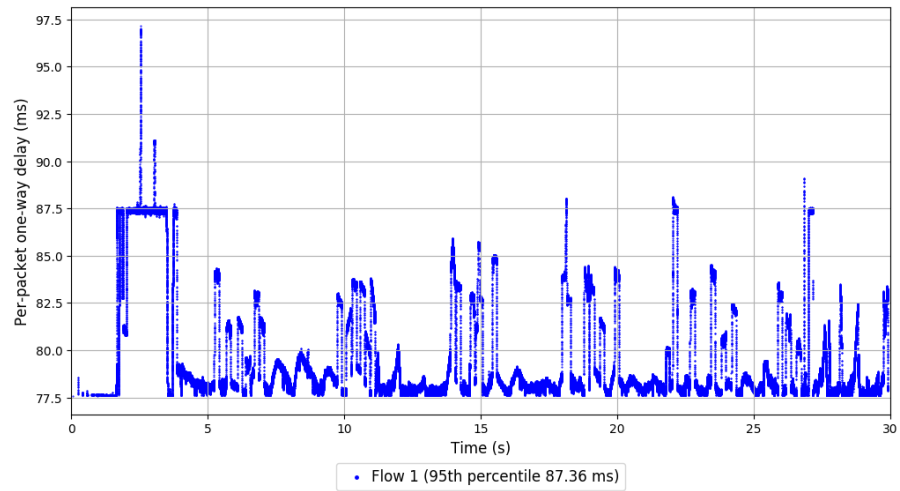
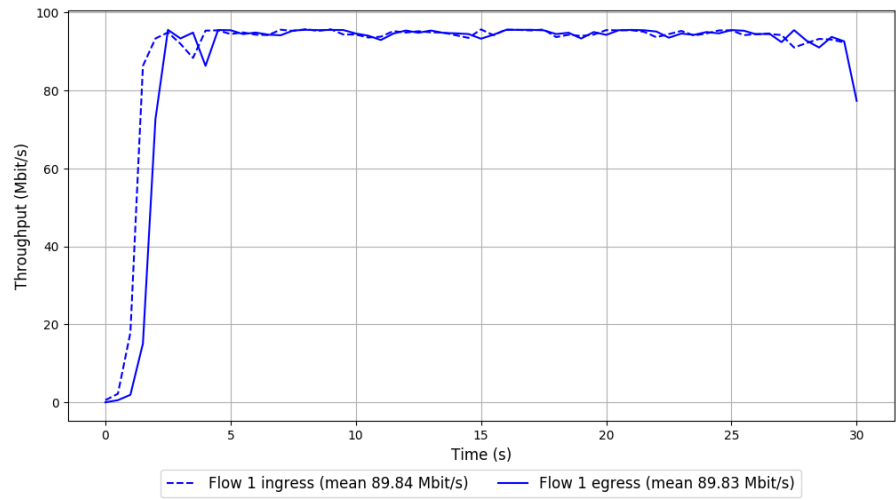


Run 5: Statistics of Copa

Start at: 2018-08-01 17:54:01
End at: 2018-08-01 17:54:31
Local clock offset: -6.634 ms
Remote clock offset: 15.001 ms

Below is generated by plot.py at 2018-08-01 19:42:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.83 Mbit/s
95th percentile per-packet one-way delay: 87.363 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 89.83 Mbit/s
95th percentile per-packet one-way delay: 87.363 ms
Loss rate: 0.56%

Run 5: Report of Copa — Data Link

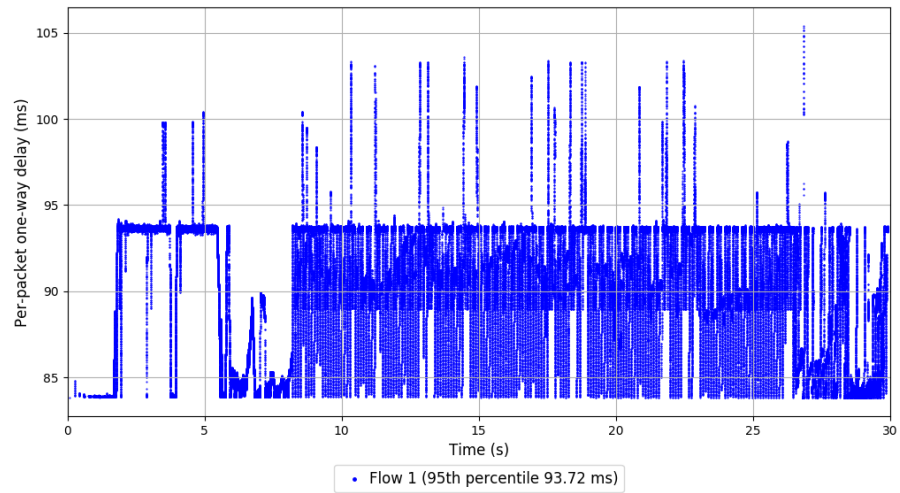
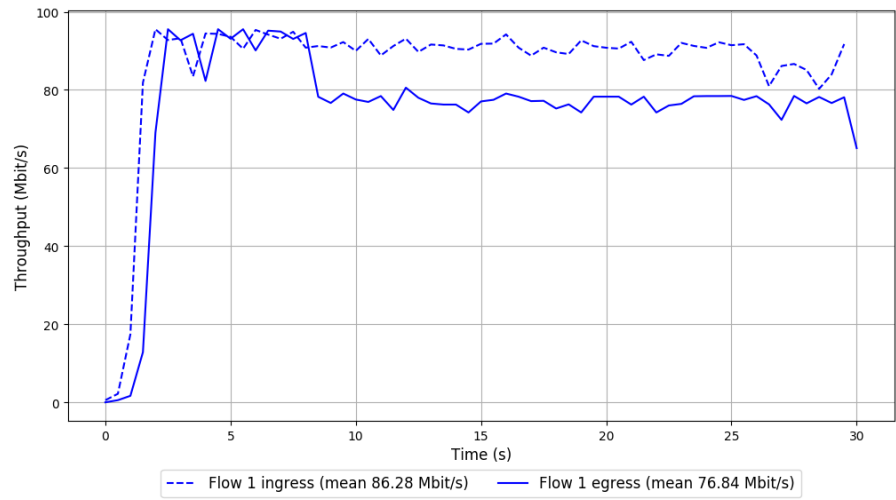


Run 6: Statistics of Copa

Start at: 2018-08-01 18:14:05
End at: 2018-08-01 18:14:35
Local clock offset: -6.733 ms
Remote clock offset: 11.083 ms

Below is generated by plot.py at 2018-08-01 19:42:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.84 Mbit/s
95th percentile per-packet one-way delay: 93.722 ms
Loss rate: 11.44%
-- Flow 1:
Average throughput: 76.84 Mbit/s
95th percentile per-packet one-way delay: 93.722 ms
Loss rate: 11.44%

Run 6: Report of Copa — Data Link

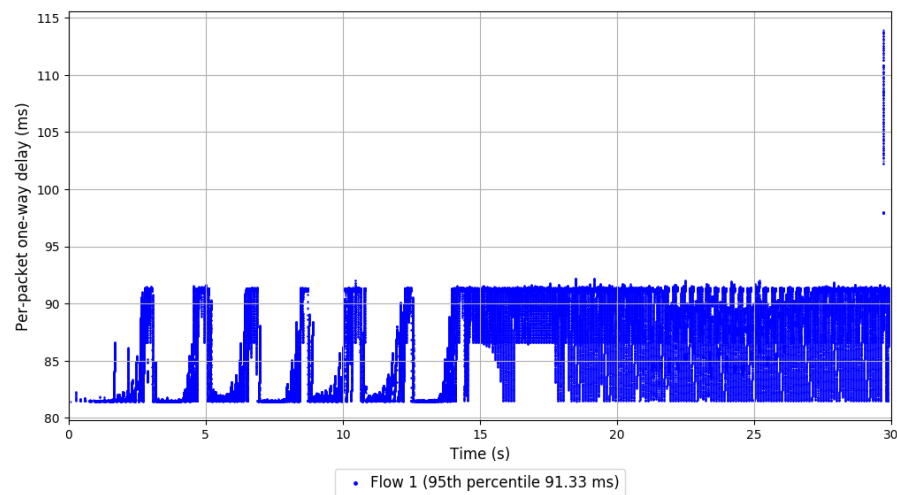
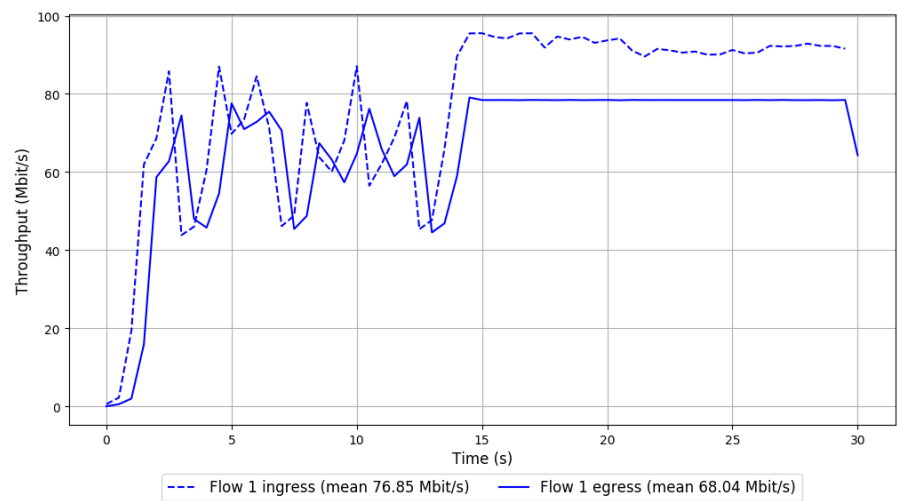


Run 7: Statistics of Copa

Start at: 2018-08-01 18:34:10
End at: 2018-08-01 18:34:40
Local clock offset: -6.683 ms
Remote clock offset: 10.175 ms

Below is generated by plot.py at 2018-08-01 19:42:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.04 Mbit/s
95th percentile per-packet one-way delay: 91.325 ms
Loss rate: 11.94%
-- Flow 1:
Average throughput: 68.04 Mbit/s
95th percentile per-packet one-way delay: 91.325 ms
Loss rate: 11.94%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-08-01 18:54:06

End at: 2018-08-01 18:54:36

Local clock offset: -6.703 ms

Remote clock offset: 4.914 ms

Below is generated by plot.py at 2018-08-01 19:42:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.84 Mbit/s

95th percentile per-packet one-way delay: 92.331 ms

Loss rate: 13.17%

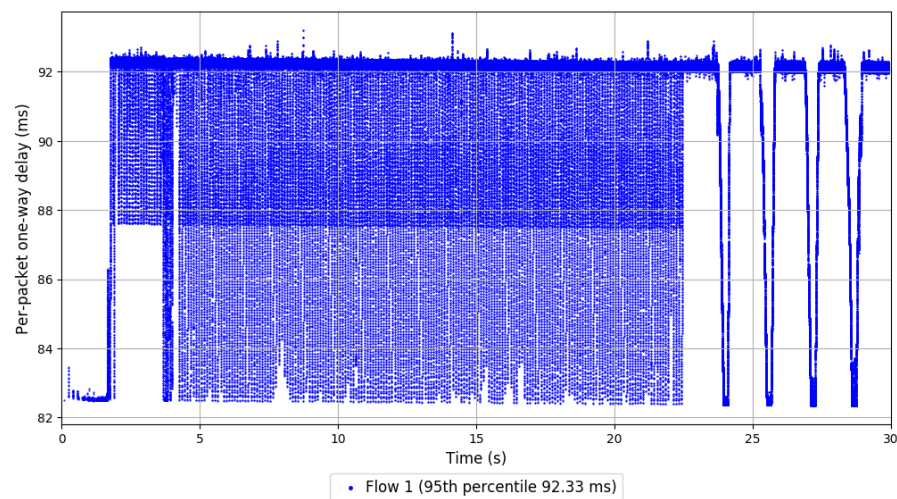
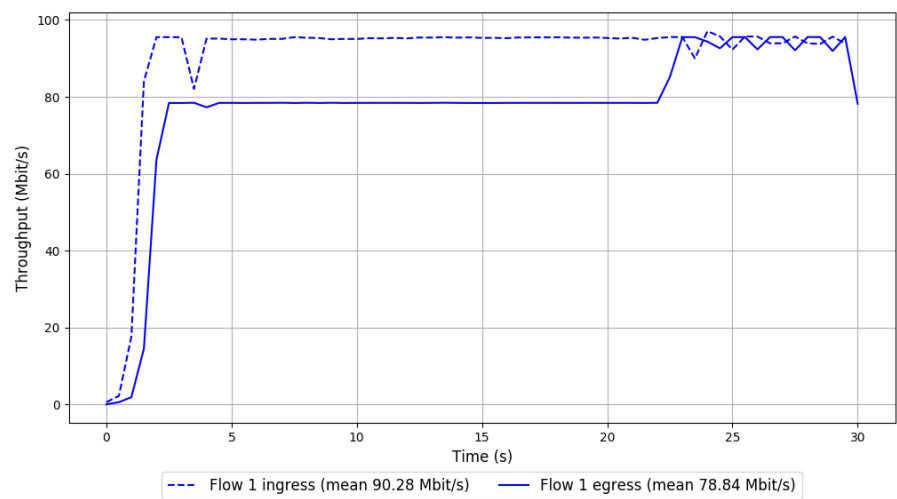
-- Flow 1:

Average throughput: 78.84 Mbit/s

95th percentile per-packet one-way delay: 92.331 ms

Loss rate: 13.17%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-08-01 19:14:04

End at: 2018-08-01 19:14:34

Local clock offset: -6.625 ms

Remote clock offset: 6.193 ms

Below is generated by plot.py at 2018-08-01 19:43:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.66 Mbit/s

95th percentile per-packet one-way delay: 87.705 ms

Loss rate: 0.61%

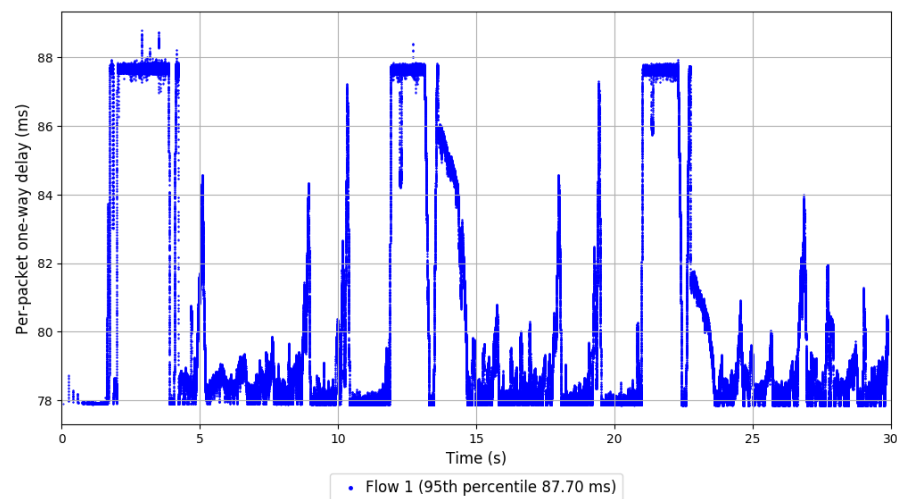
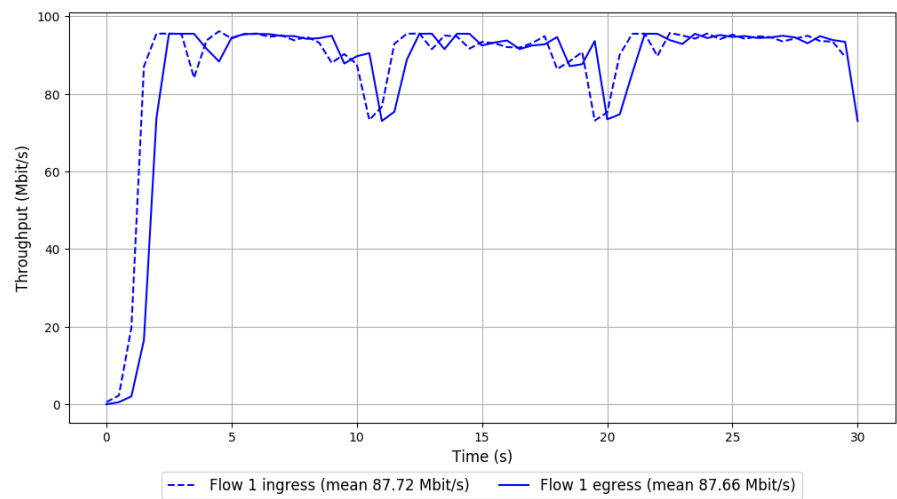
-- Flow 1:

Average throughput: 87.66 Mbit/s

95th percentile per-packet one-way delay: 87.705 ms

Loss rate: 0.61%

Run 9: Report of Copa — Data Link

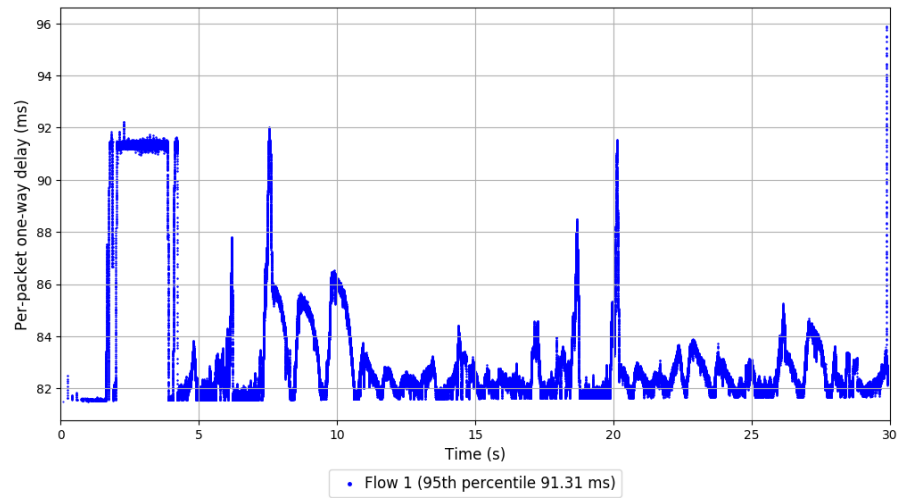
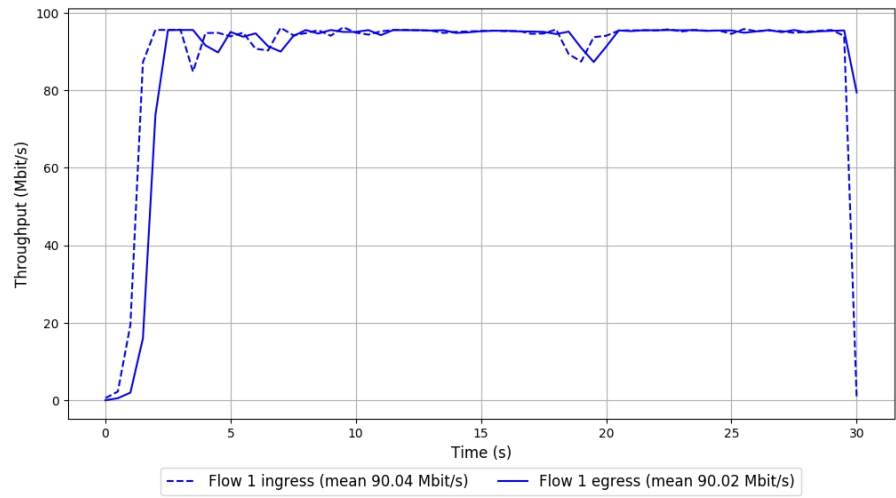


Run 10: Statistics of Copa

Start at: 2018-08-01 19:33:59
End at: 2018-08-01 19:34:29
Local clock offset: -6.218 ms
Remote clock offset: 10.367 ms

Below is generated by plot.py at 2018-08-01 19:43:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.02 Mbit/s
95th percentile per-packet one-way delay: 91.312 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 90.02 Mbit/s
95th percentile per-packet one-way delay: 91.312 ms
Loss rate: 0.58%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-08-01 16:18:59

End at: 2018-08-01 16:19:30

Local clock offset: -9.019 ms

Remote clock offset: 3.697 ms

Below is generated by plot.py at 2018-08-01 19:43:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.09 Mbit/s

95th percentile per-packet one-way delay: 90.905 ms

Loss rate: 0.66%

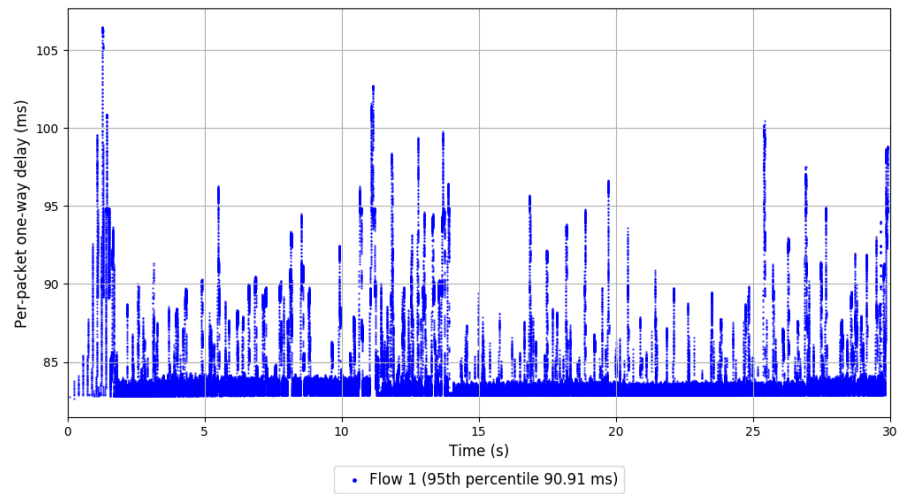
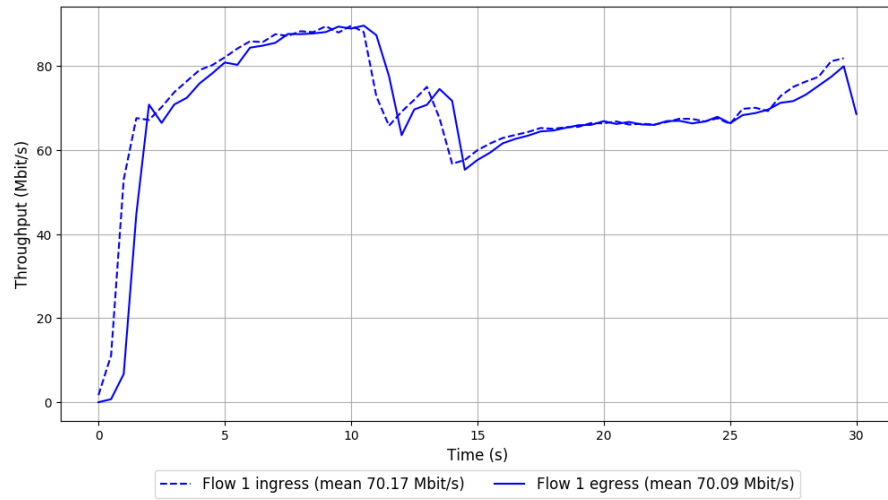
-- Flow 1:

Average throughput: 70.09 Mbit/s

95th percentile per-packet one-way delay: 90.905 ms

Loss rate: 0.66%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-08-01 16:38:52

End at: 2018-08-01 16:39:22

Local clock offset: -7.221 ms

Remote clock offset: 4.367 ms

Below is generated by plot.py at 2018-08-01 19:43:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.07 Mbit/s

95th percentile per-packet one-way delay: 94.034 ms

Loss rate: 0.58%

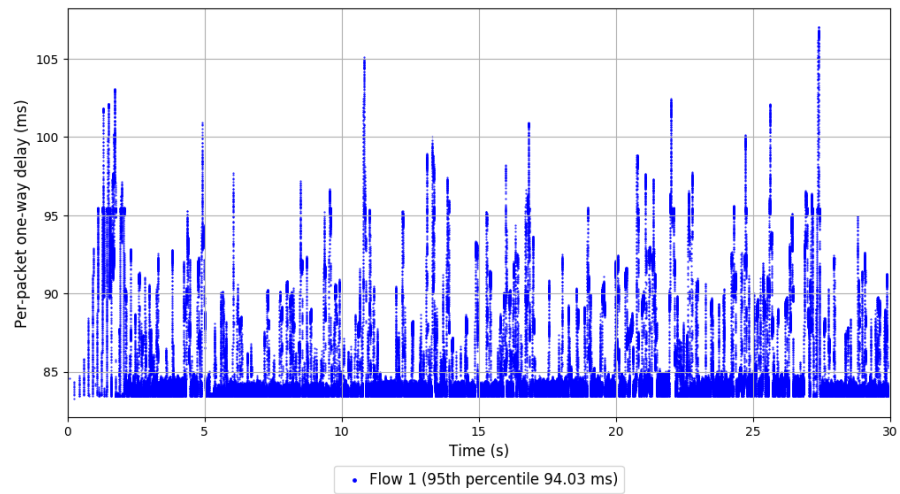
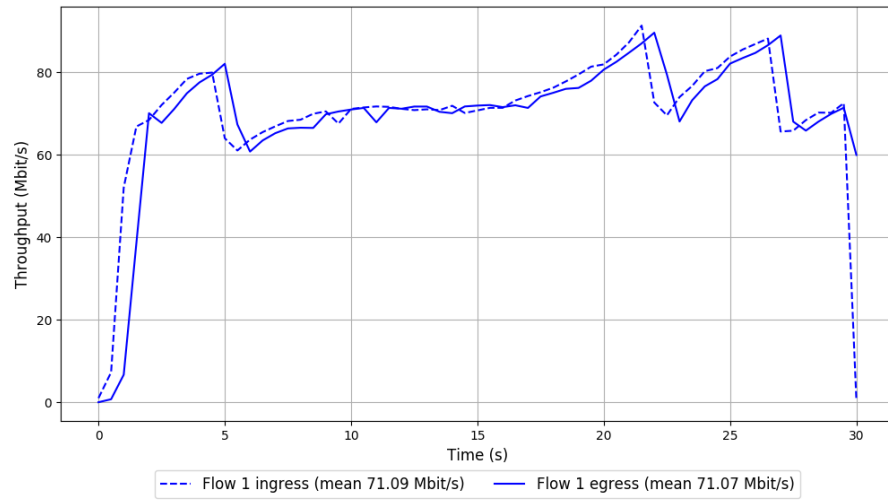
-- Flow 1:

Average throughput: 71.07 Mbit/s

95th percentile per-packet one-way delay: 94.034 ms

Loss rate: 0.58%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-08-01 16:58:47

End at: 2018-08-01 16:59:17

Local clock offset: -7.217 ms

Remote clock offset: 7.644 ms

Below is generated by plot.py at 2018-08-01 19:43:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.88 Mbit/s

95th percentile per-packet one-way delay: 85.774 ms

Loss rate: 0.54%

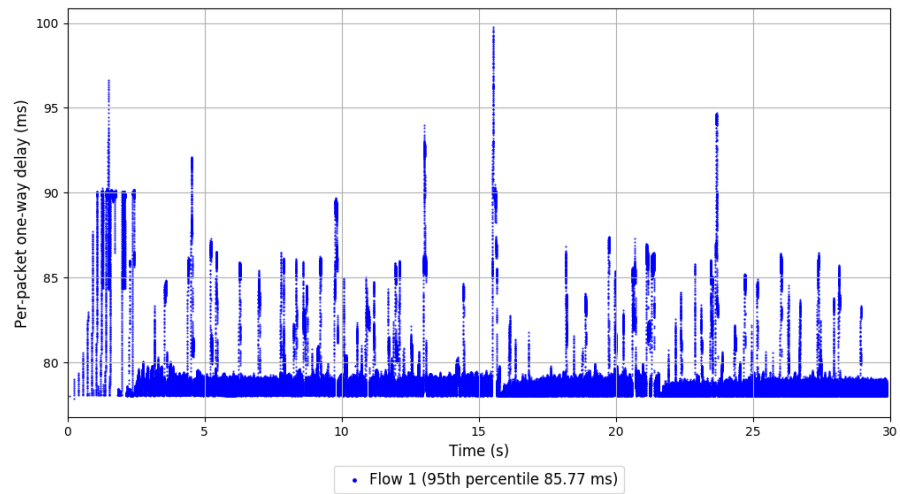
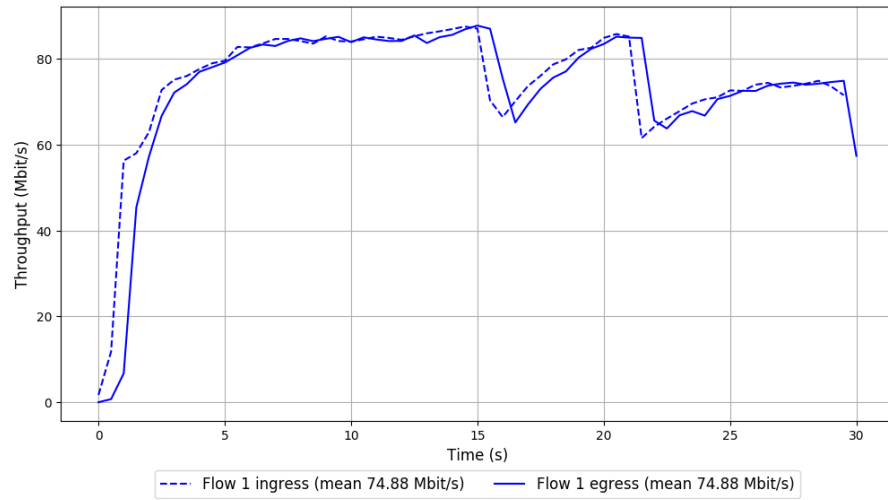
-- Flow 1:

Average throughput: 74.88 Mbit/s

95th percentile per-packet one-way delay: 85.774 ms

Loss rate: 0.54%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-08-01 17:18:42

End at: 2018-08-01 17:19:12

Local clock offset: -7.496 ms

Remote clock offset: 9.719 ms

Below is generated by plot.py at 2018-08-01 19:43:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.57 Mbit/s

95th percentile per-packet one-way delay: 92.109 ms

Loss rate: 0.58%

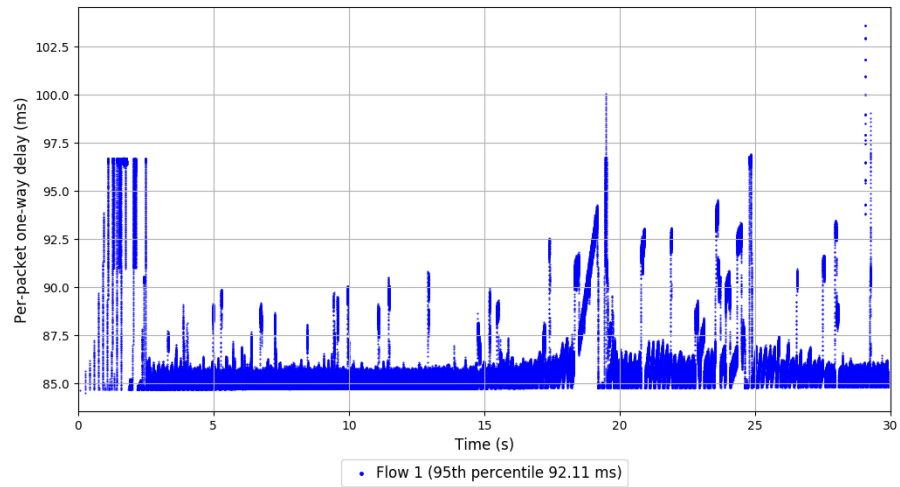
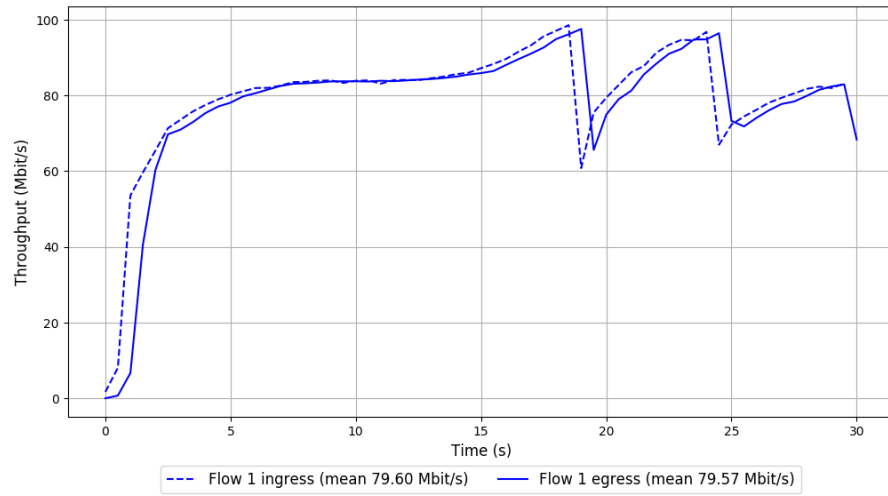
-- Flow 1:

Average throughput: 79.57 Mbit/s

95th percentile per-packet one-way delay: 92.109 ms

Loss rate: 0.58%

Run 4: Report of TCP Cubic — Data Link

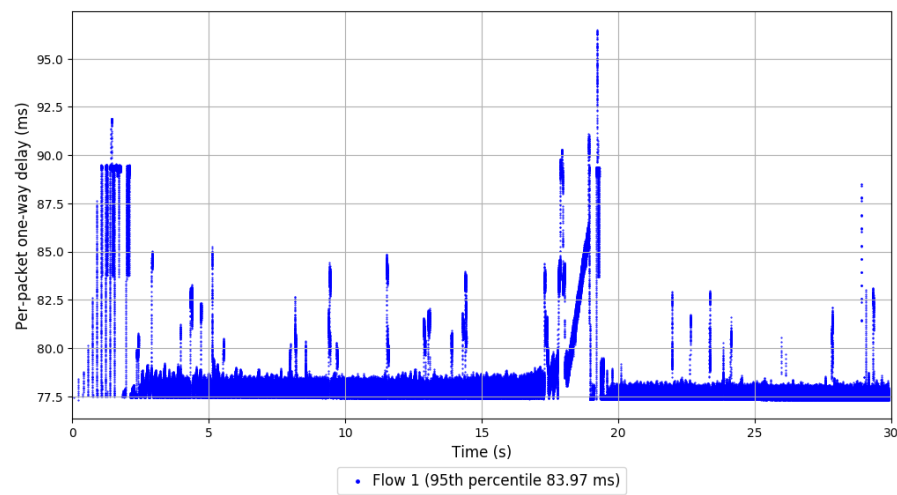
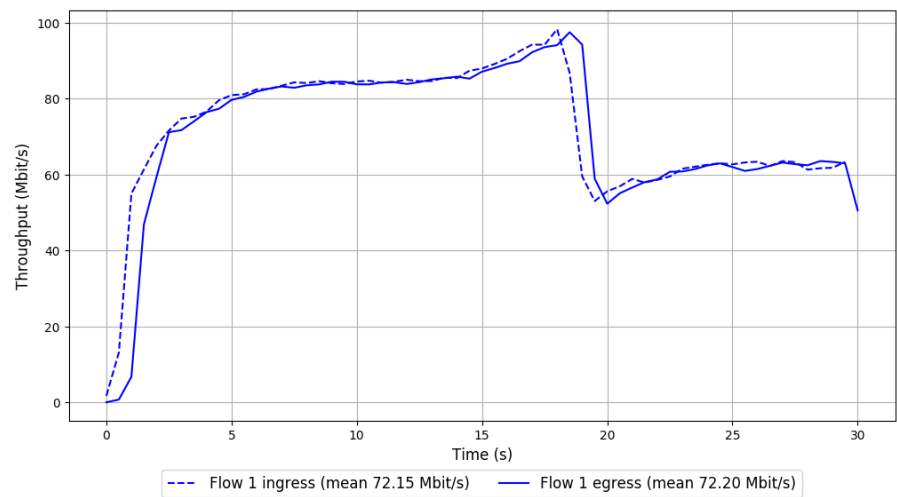


Run 5: Statistics of TCP Cubic

Start at: 2018-08-01 17:38:47
End at: 2018-08-01 17:39:17
Local clock offset: -6.703 ms
Remote clock offset: 17.293 ms

Below is generated by plot.py at 2018-08-01 19:43:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.20 Mbit/s
95th percentile per-packet one-way delay: 83.973 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 72.20 Mbit/s
95th percentile per-packet one-way delay: 83.973 ms
Loss rate: 0.48%

Run 5: Report of TCP Cubic — Data Link

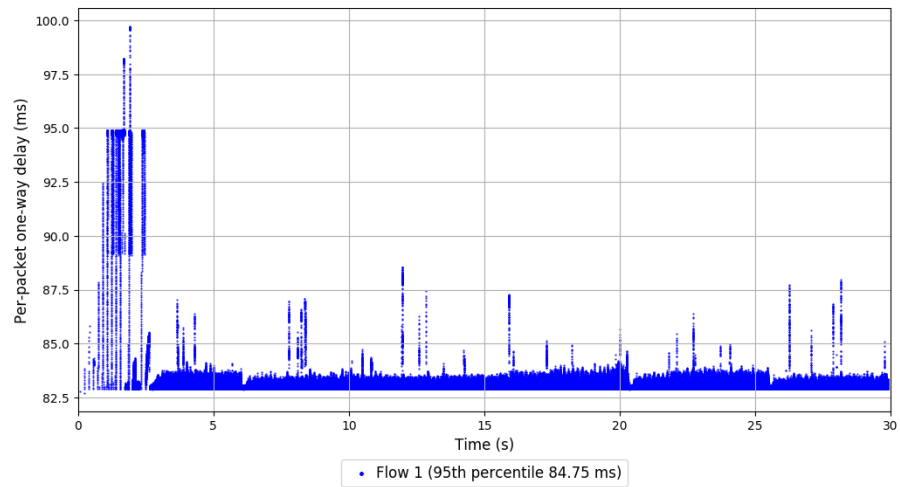
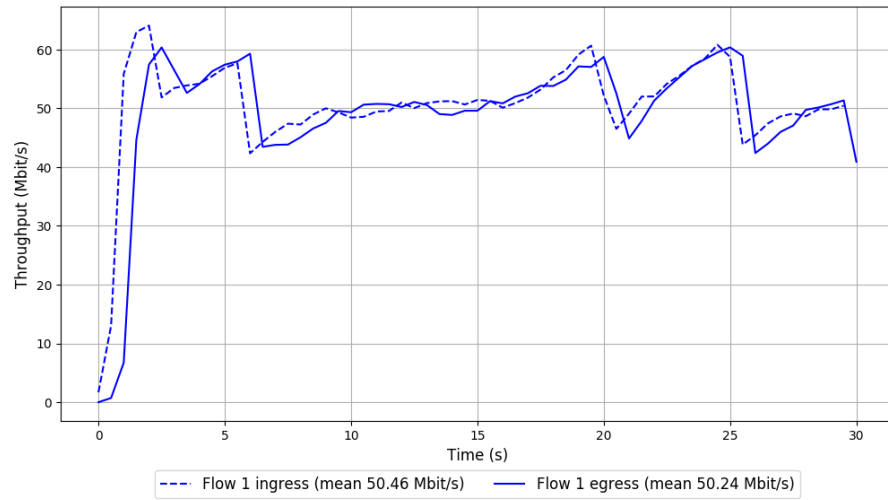


Run 6: Statistics of TCP Cubic

Start at: 2018-08-01 17:58:42
End at: 2018-08-01 17:59:12
Local clock offset: -6.638 ms
Remote clock offset: 10.023 ms

Below is generated by plot.py at 2018-08-01 19:43:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.24 Mbit/s
95th percentile per-packet one-way delay: 84.753 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 50.24 Mbit/s
95th percentile per-packet one-way delay: 84.753 ms
Loss rate: 0.97%

Run 6: Report of TCP Cubic — Data Link

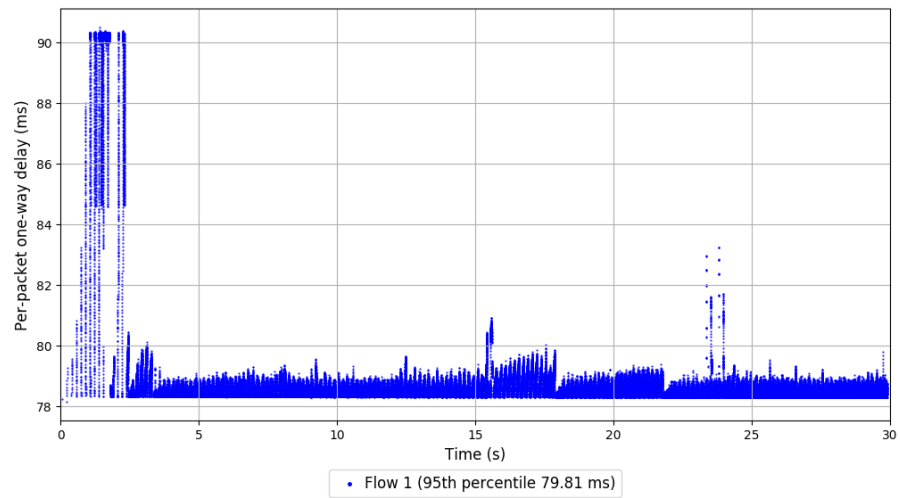
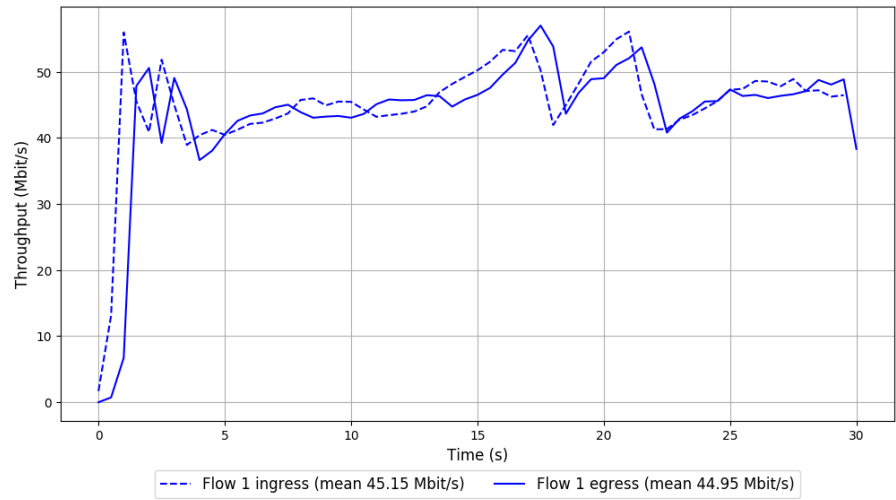


Run 7: Statistics of TCP Cubic

Start at: 2018-08-01 18:18:57
End at: 2018-08-01 18:19:27
Local clock offset: -6.843 ms
Remote clock offset: 13.443 ms

Below is generated by plot.py at 2018-08-01 19:43:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 44.95 Mbit/s
95th percentile per-packet one-way delay: 79.809 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 44.95 Mbit/s
95th percentile per-packet one-way delay: 79.809 ms
Loss rate: 0.97%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-08-01 18:38:51

End at: 2018-08-01 18:39:21

Local clock offset: -6.67 ms

Remote clock offset: 12.79 ms

Below is generated by plot.py at 2018-08-01 19:43:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.87 Mbit/s

95th percentile per-packet one-way delay: 89.155 ms

Loss rate: 0.47%

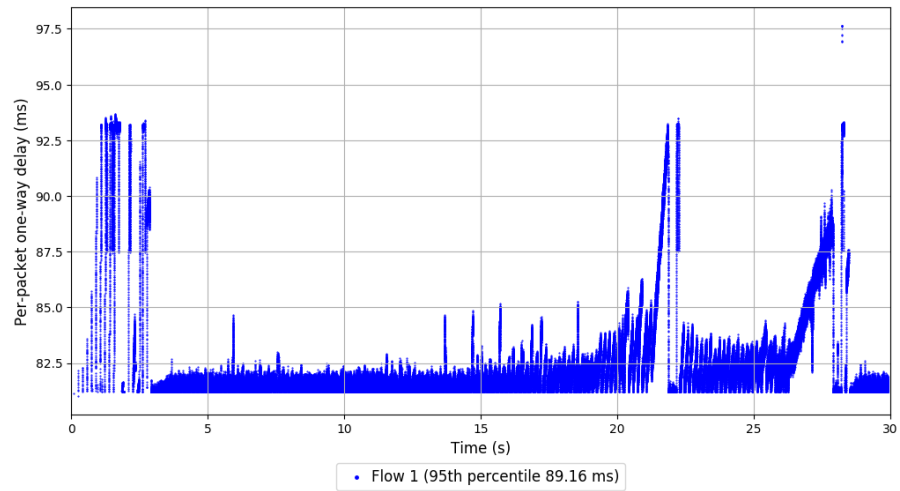
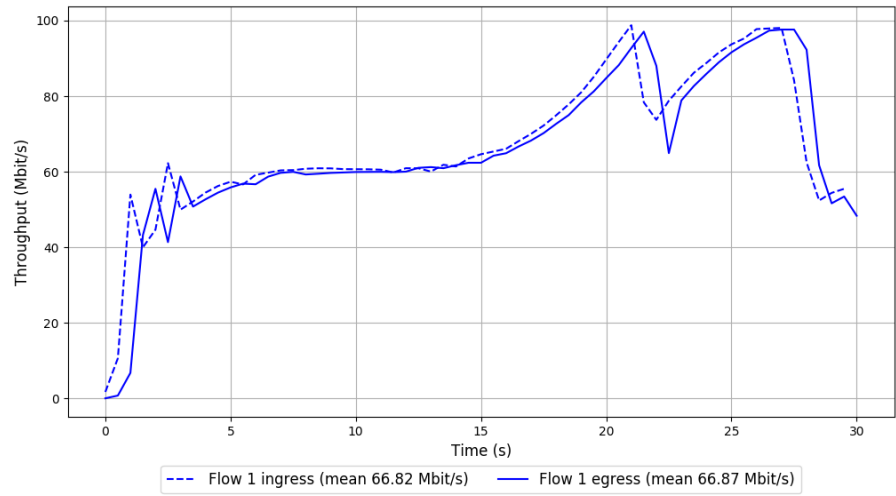
-- Flow 1:

Average throughput: 66.87 Mbit/s

95th percentile per-packet one-way delay: 89.155 ms

Loss rate: 0.47%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-08-01 18:58:47

End at: 2018-08-01 18:59:17

Local clock offset: -6.654 ms

Remote clock offset: 3.664 ms

Below is generated by plot.py at 2018-08-01 19:43:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.03 Mbit/s

95th percentile per-packet one-way delay: 90.493 ms

Loss rate: 0.49%

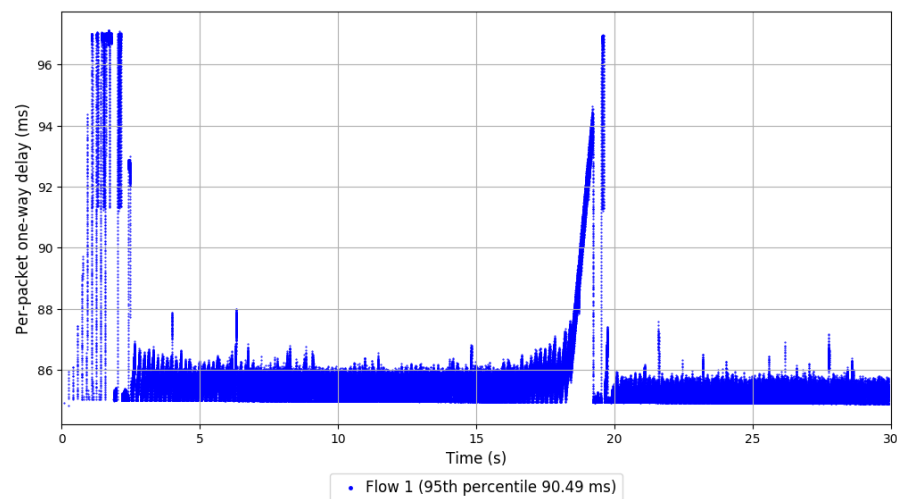
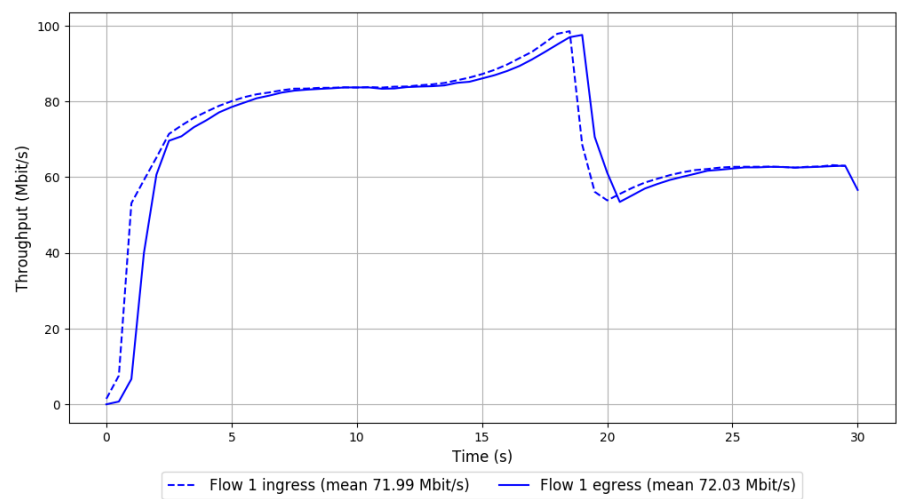
-- Flow 1:

Average throughput: 72.03 Mbit/s

95th percentile per-packet one-way delay: 90.493 ms

Loss rate: 0.49%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-08-01 19:18:45

End at: 2018-08-01 19:19:15

Local clock offset: -6.642 ms

Remote clock offset: 5.559 ms

Below is generated by plot.py at 2018-08-01 19:44:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.97 Mbit/s

95th percentile per-packet one-way delay: 85.209 ms

Loss rate: 0.50%

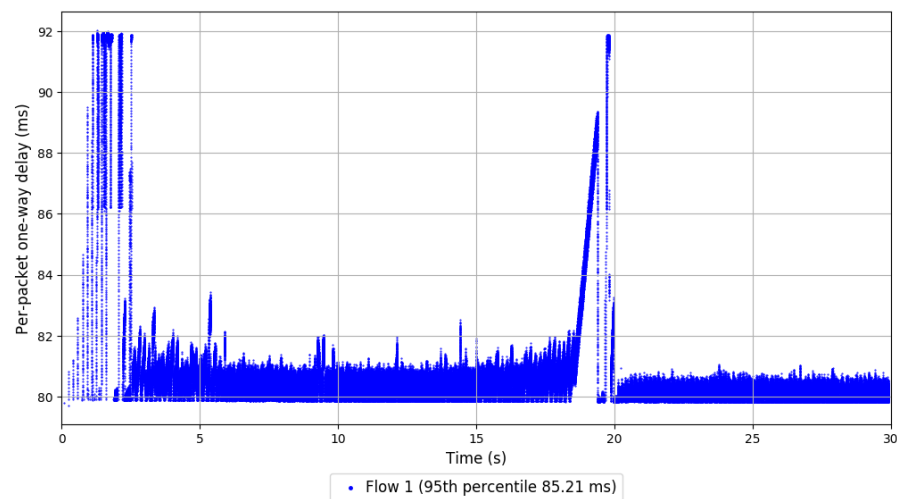
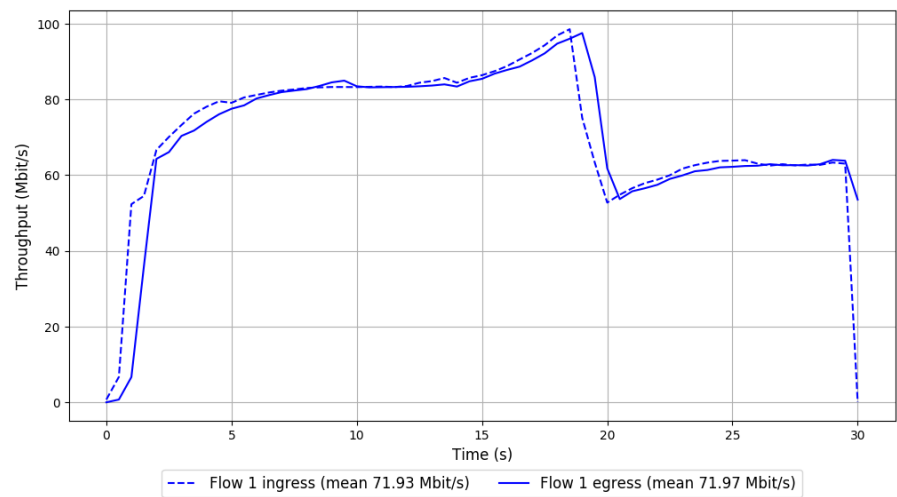
-- Flow 1:

Average throughput: 71.97 Mbit/s

95th percentile per-packet one-way delay: 85.209 ms

Loss rate: 0.50%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-08-01 16:24:49

End at: 2018-08-01 16:25:19

Local clock offset: -8.713 ms

Remote clock offset: 8.548 ms

Below is generated by plot.py at 2018-08-01 19:44:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.29 Mbit/s

95th percentile per-packet one-way delay: 92.211 ms

Loss rate: 0.57%

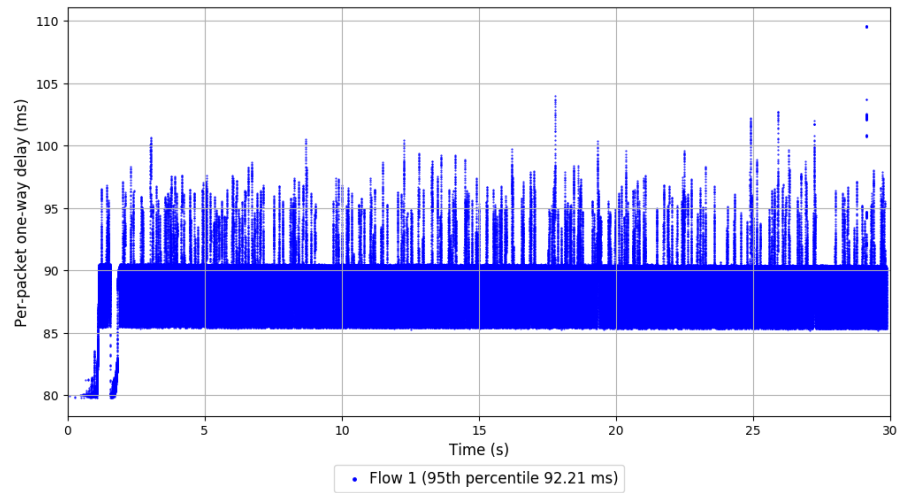
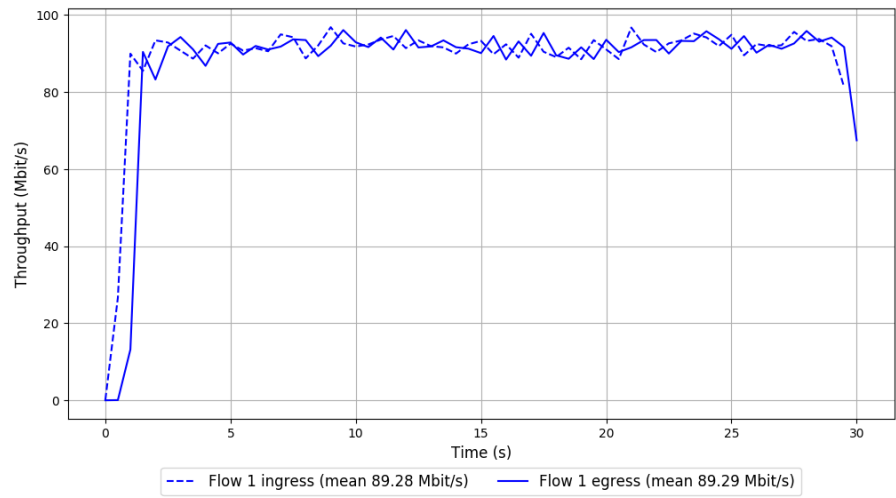
-- Flow 1:

Average throughput: 89.29 Mbit/s

95th percentile per-packet one-way delay: 92.211 ms

Loss rate: 0.57%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-08-01 16:44:42

End at: 2018-08-01 16:45:12

Local clock offset: -7.247 ms

Remote clock offset: 3.0 ms

Below is generated by plot.py at 2018-08-01 19:44:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.22 Mbit/s

95th percentile per-packet one-way delay: 94.072 ms

Loss rate: 14.37%

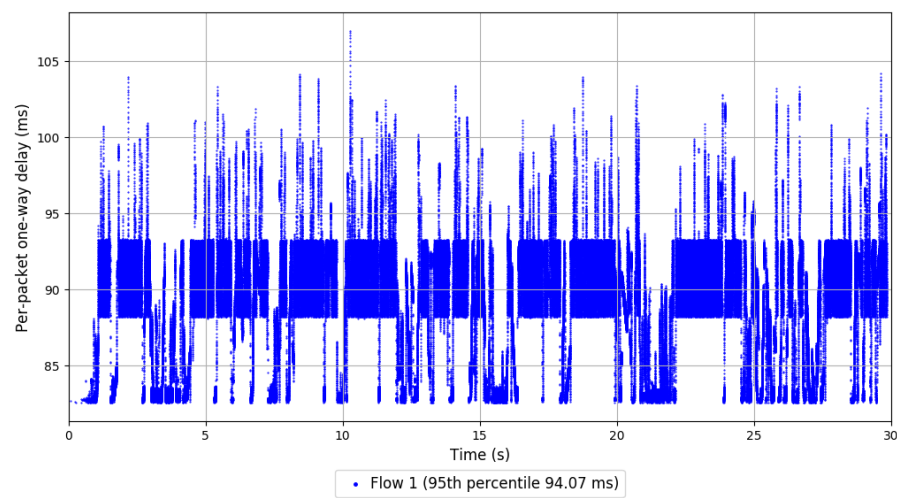
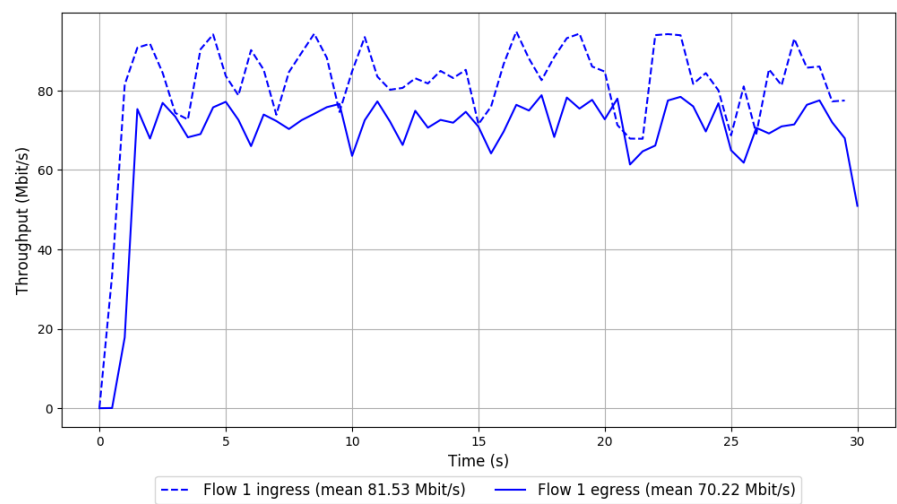
-- Flow 1:

Average throughput: 70.22 Mbit/s

95th percentile per-packet one-way delay: 94.072 ms

Loss rate: 14.37%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-08-01 17:04:37

End at: 2018-08-01 17:05:07

Local clock offset: -7.232 ms

Remote clock offset: 7.918 ms

Below is generated by plot.py at 2018-08-01 19:44:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.79 Mbit/s

95th percentile per-packet one-way delay: 88.885 ms

Loss rate: 0.61%

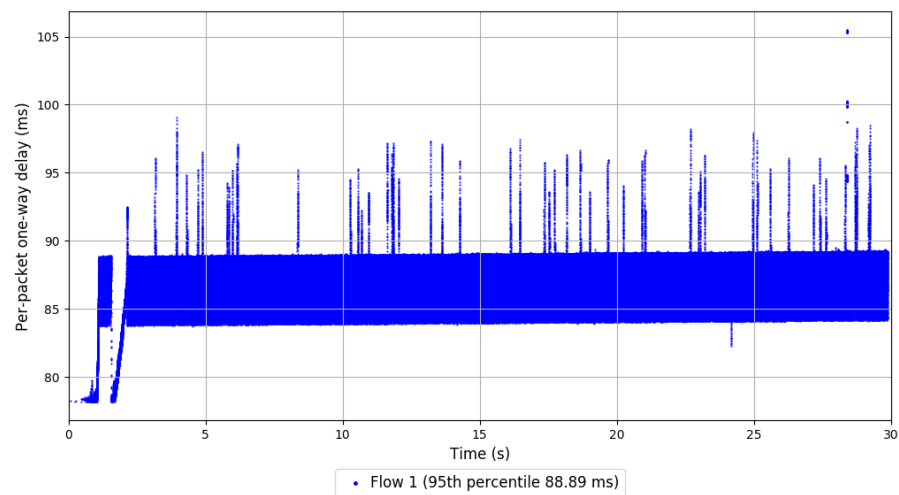
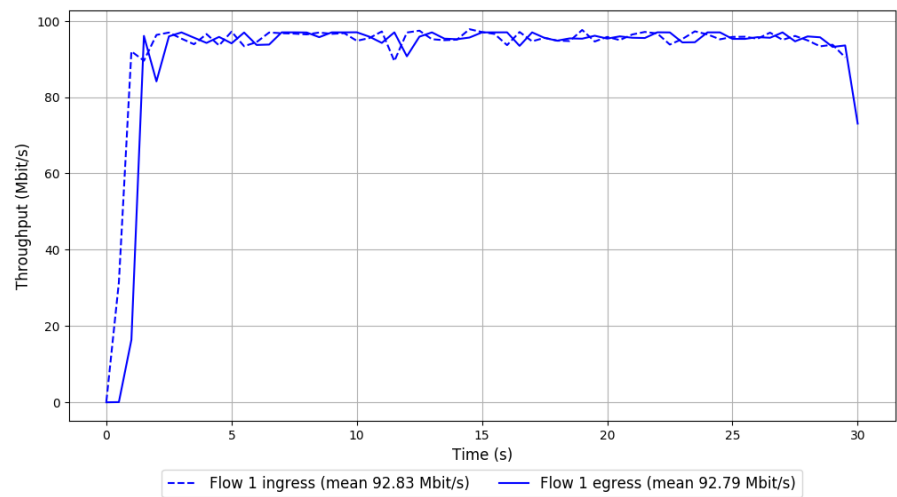
-- Flow 1:

Average throughput: 92.79 Mbit/s

95th percentile per-packet one-way delay: 88.885 ms

Loss rate: 0.61%

Run 3: Report of FillP — Data Link

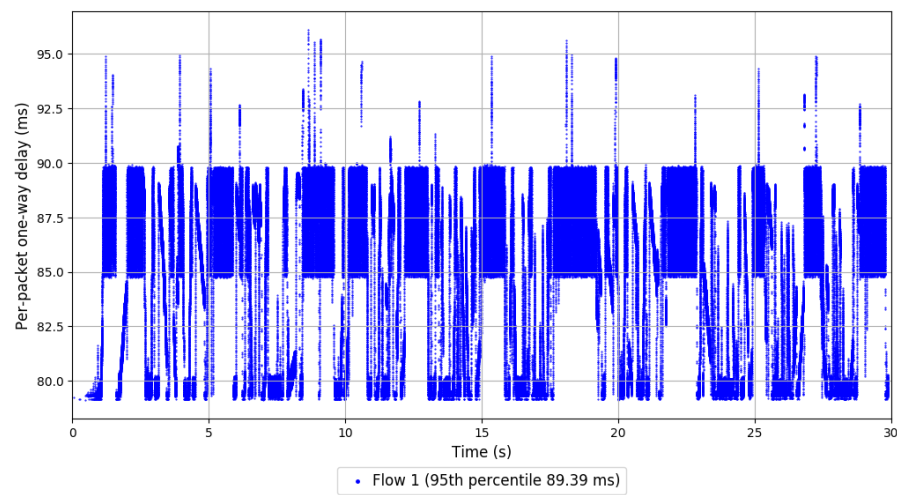
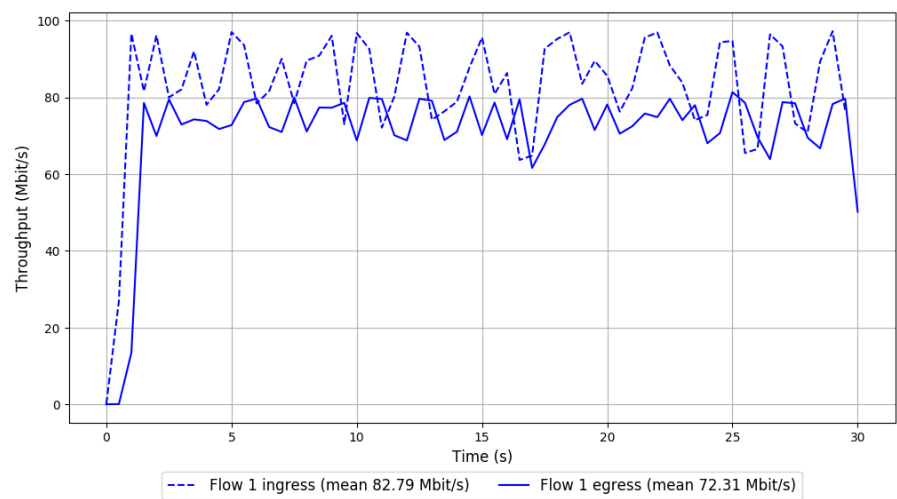


Run 4: Statistics of FillP

Start at: 2018-08-01 17:24:33
End at: 2018-08-01 17:25:03
Local clock offset: -7.348 ms
Remote clock offset: 14.576 ms

Below is generated by plot.py at 2018-08-01 19:44:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.31 Mbit/s
95th percentile per-packet one-way delay: 89.389 ms
Loss rate: 13.14%
-- Flow 1:
Average throughput: 72.31 Mbit/s
95th percentile per-packet one-way delay: 89.389 ms
Loss rate: 13.14%

Run 4: Report of FillP — Data Link

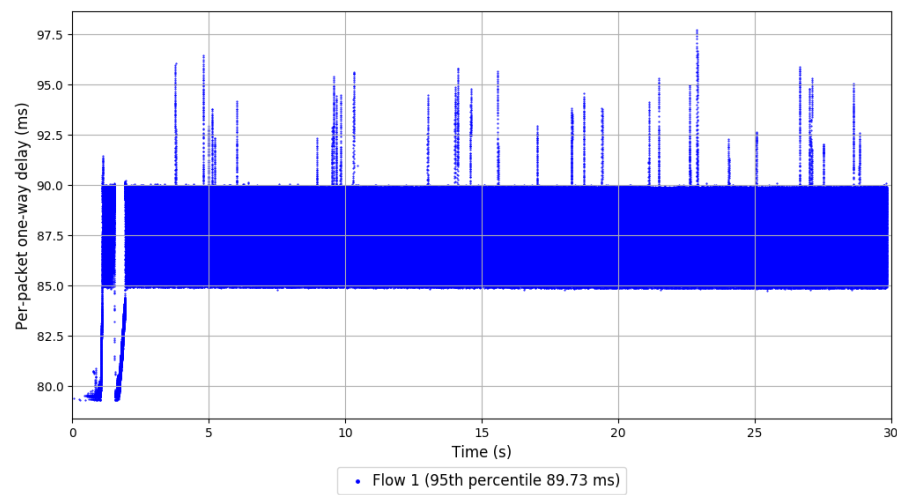
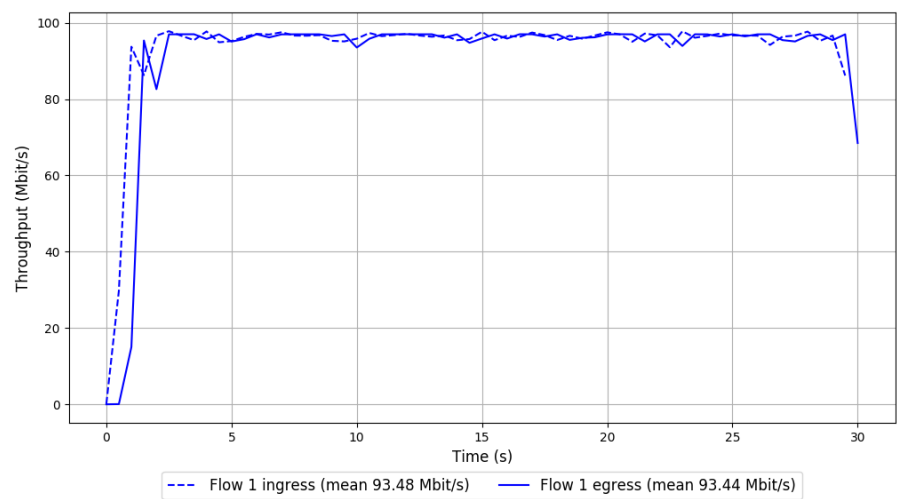


Run 5: Statistics of FillP

Start at: 2018-08-01 17:44:39
End at: 2018-08-01 17:45:09
Local clock offset: -6.622 ms
Remote clock offset: 15.764 ms

Below is generated by plot.py at 2018-08-01 19:45:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.44 Mbit/s
95th percentile per-packet one-way delay: 89.731 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 93.44 Mbit/s
95th percentile per-packet one-way delay: 89.731 ms
Loss rate: 0.61%

Run 5: Report of FillP — Data Link

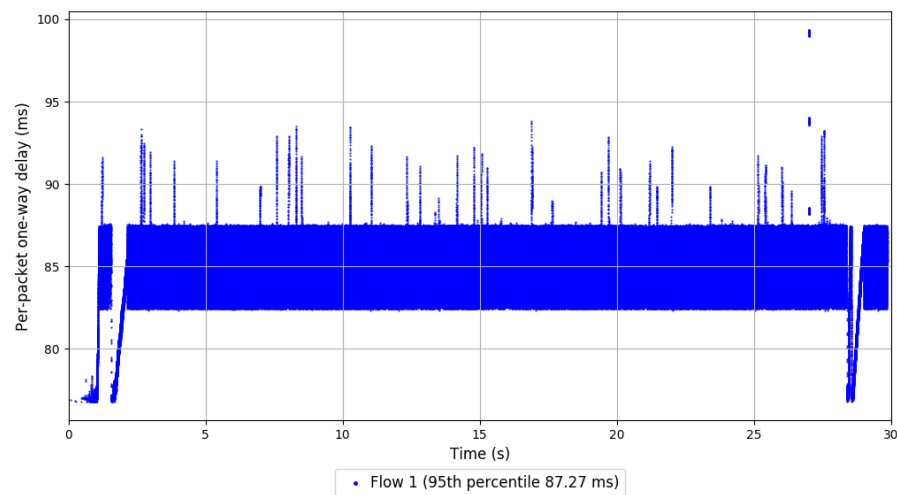
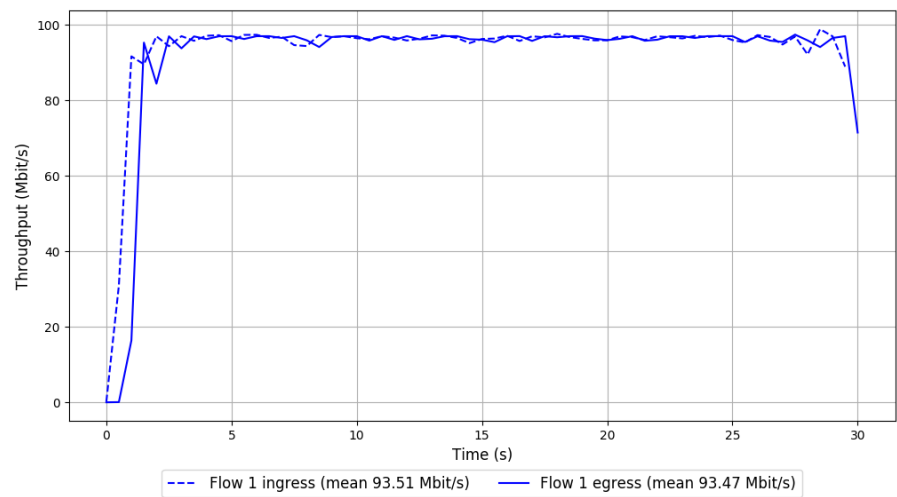


Run 6: Statistics of FillP

Start at: 2018-08-01 18:04:41
End at: 2018-08-01 18:05:11
Local clock offset: -6.666 ms
Remote clock offset: 16.071 ms

Below is generated by plot.py at 2018-08-01 19:45:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.47 Mbit/s
95th percentile per-packet one-way delay: 87.268 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 93.47 Mbit/s
95th percentile per-packet one-way delay: 87.268 ms
Loss rate: 0.61%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-08-01 18:24:47

End at: 2018-08-01 18:25:17

Local clock offset: -6.75 ms

Remote clock offset: 9.279 ms

Below is generated by plot.py at 2018-08-01 19:45:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.91 Mbit/s

95th percentile per-packet one-way delay: 95.105 ms

Loss rate: 0.62%

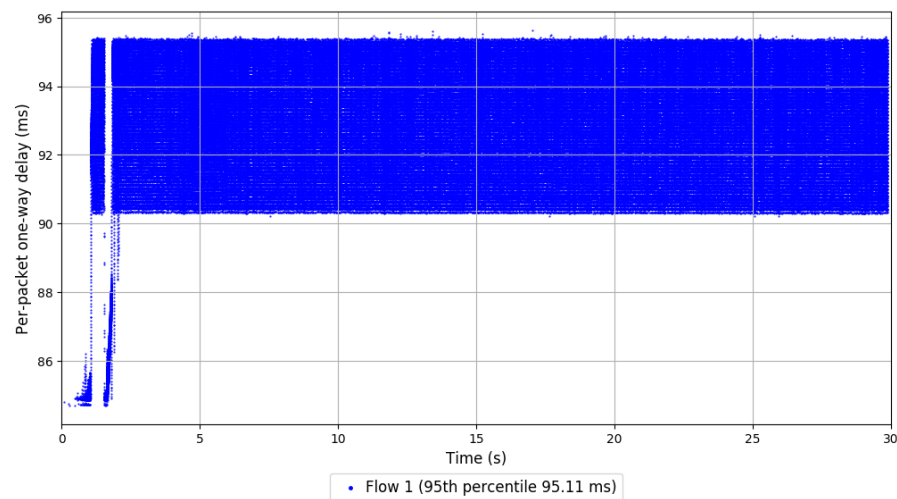
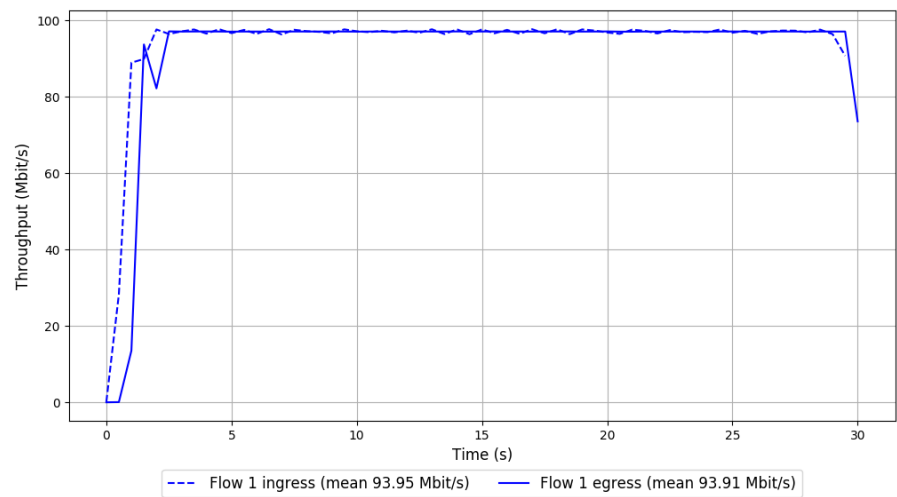
-- Flow 1:

Average throughput: 93.91 Mbit/s

95th percentile per-packet one-way delay: 95.105 ms

Loss rate: 0.62%

Run 7: Report of FillP — Data Link

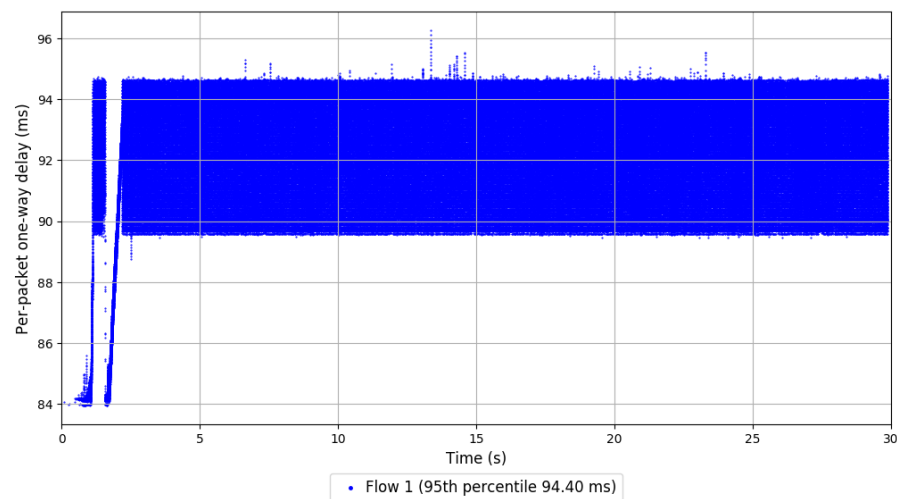
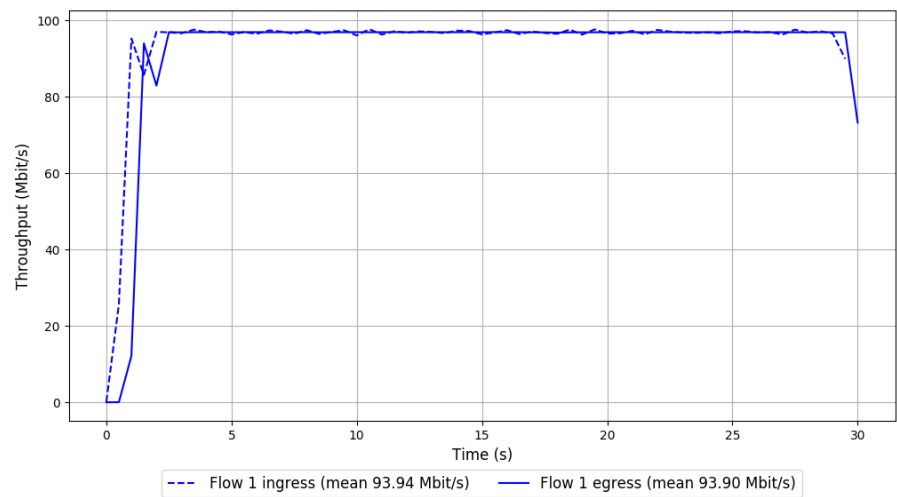


Run 8: Statistics of FillP

Start at: 2018-08-01 18:44:42
End at: 2018-08-01 18:45:12
Local clock offset: -6.689 ms
Remote clock offset: 10.154 ms

Below is generated by plot.py at 2018-08-01 19:45:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.90 Mbit/s
95th percentile per-packet one-way delay: 94.401 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 93.90 Mbit/s
95th percentile per-packet one-way delay: 94.401 ms
Loss rate: 0.62%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-08-01 19:04:38

End at: 2018-08-01 19:05:08

Local clock offset: -6.64 ms

Remote clock offset: 3.513 ms

Below is generated by plot.py at 2018-08-01 19:45:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.02 Mbit/s

95th percentile per-packet one-way delay: 94.059 ms

Loss rate: 0.61%

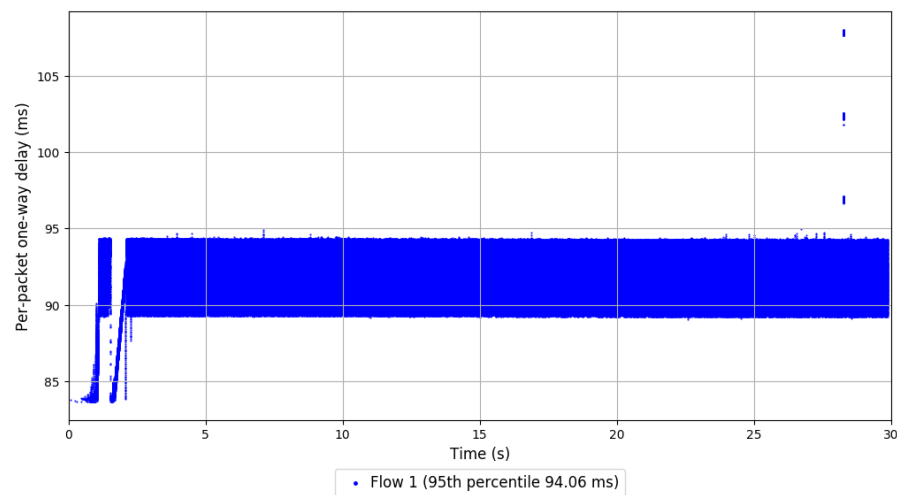
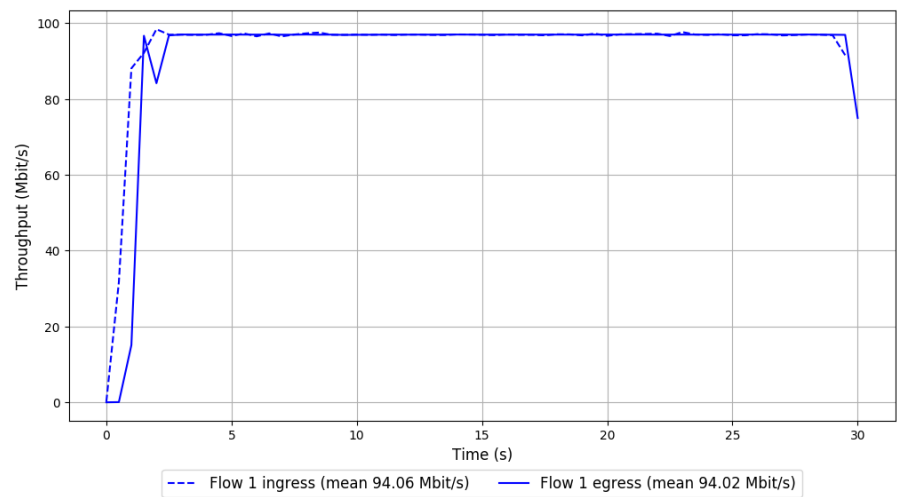
-- Flow 1:

Average throughput: 94.02 Mbit/s

95th percentile per-packet one-way delay: 94.059 ms

Loss rate: 0.61%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-08-01 19:24:36

End at: 2018-08-01 19:25:06

Local clock offset: -6.492 ms

Remote clock offset: 10.21 ms

Below is generated by plot.py at 2018-08-01 19:46:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.01 Mbit/s

95th percentile per-packet one-way delay: 87.160 ms

Loss rate: 0.61%

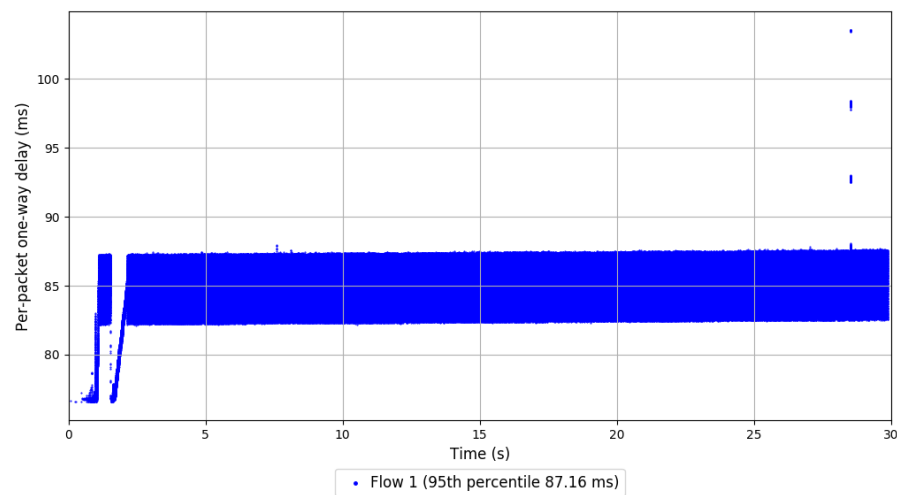
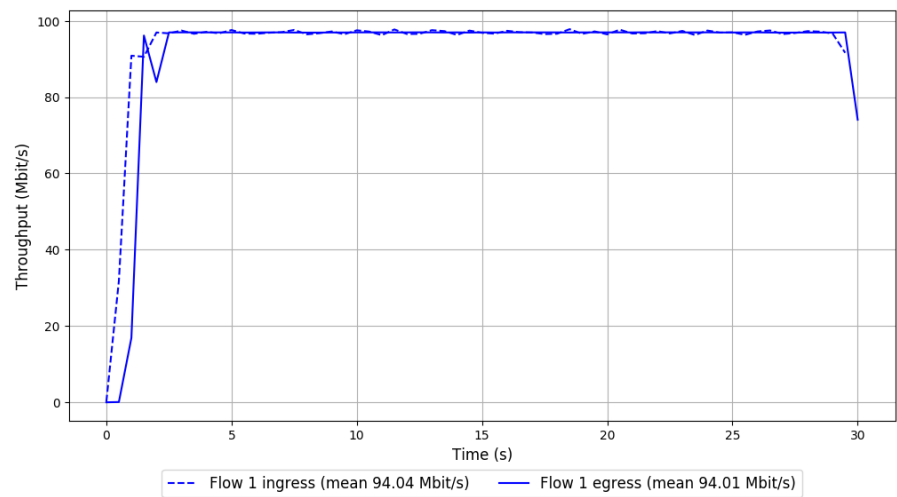
-- Flow 1:

Average throughput: 94.01 Mbit/s

95th percentile per-packet one-way delay: 87.160 ms

Loss rate: 0.61%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-08-01 16:21:16

End at: 2018-08-01 16:21:47

Local clock offset: -9.302 ms

Remote clock offset: 3.739 ms

Below is generated by plot.py at 2018-08-01 19:46:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.83 Mbit/s

95th percentile per-packet one-way delay: 95.175 ms

Loss rate: 0.64%

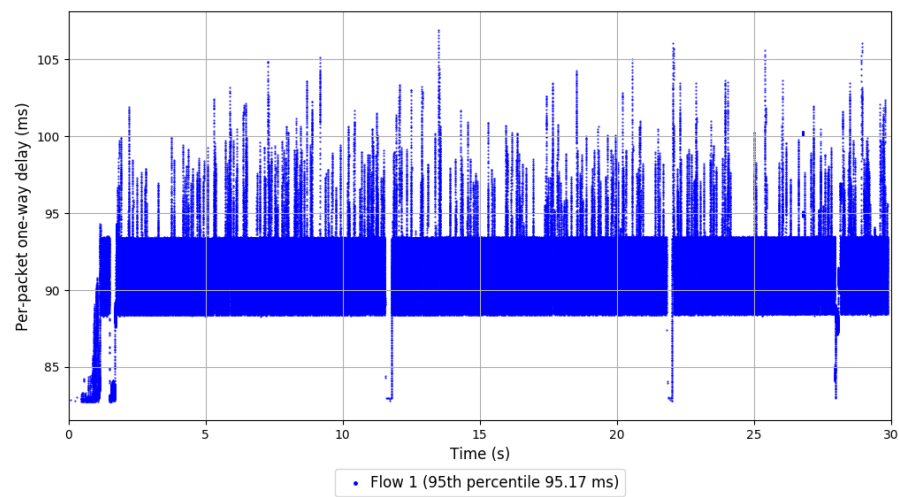
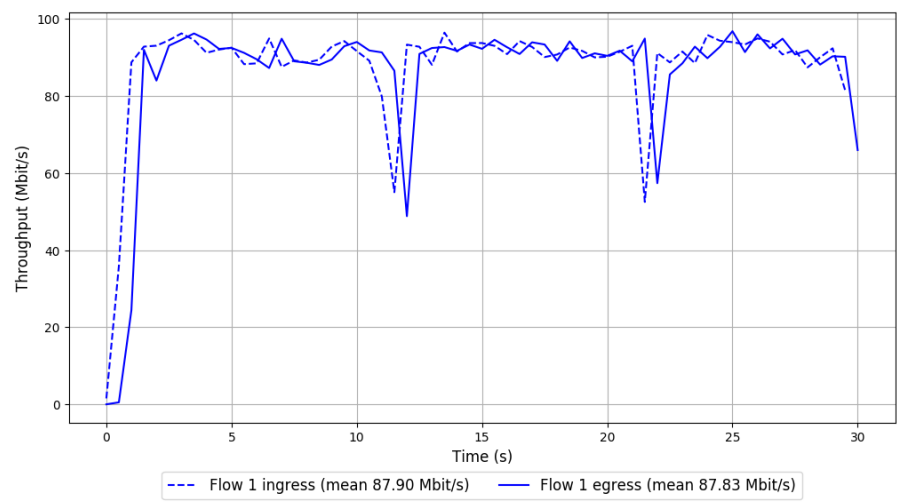
-- Flow 1:

Average throughput: 87.83 Mbit/s

95th percentile per-packet one-way delay: 95.175 ms

Loss rate: 0.64%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-08-01 16:41:09

End at: 2018-08-01 16:41:39

Local clock offset: -7.272 ms

Remote clock offset: 6.836 ms

Below is generated by plot.py at 2018-08-01 19:46:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.25 Mbit/s

95th percentile per-packet one-way delay: 93.083 ms

Loss rate: 0.57%

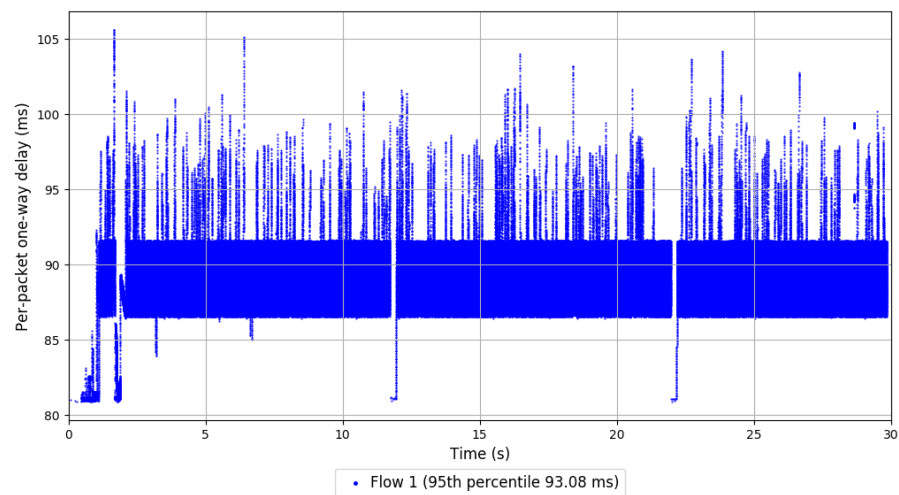
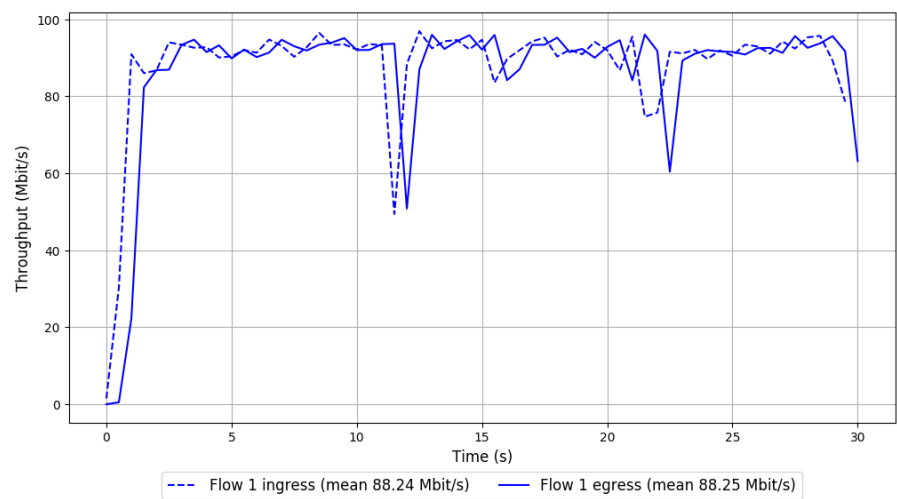
-- Flow 1:

Average throughput: 88.25 Mbit/s

95th percentile per-packet one-way delay: 93.083 ms

Loss rate: 0.57%

Run 2: Report of FillP-Sheep — Data Link

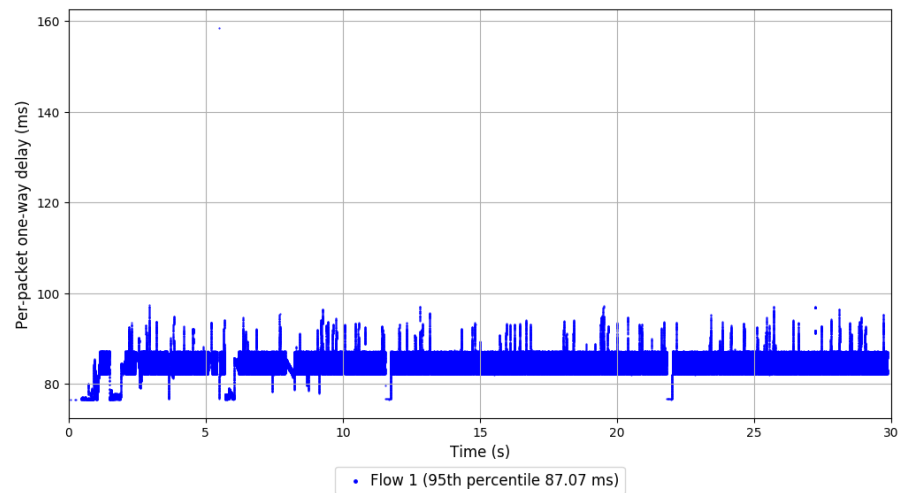
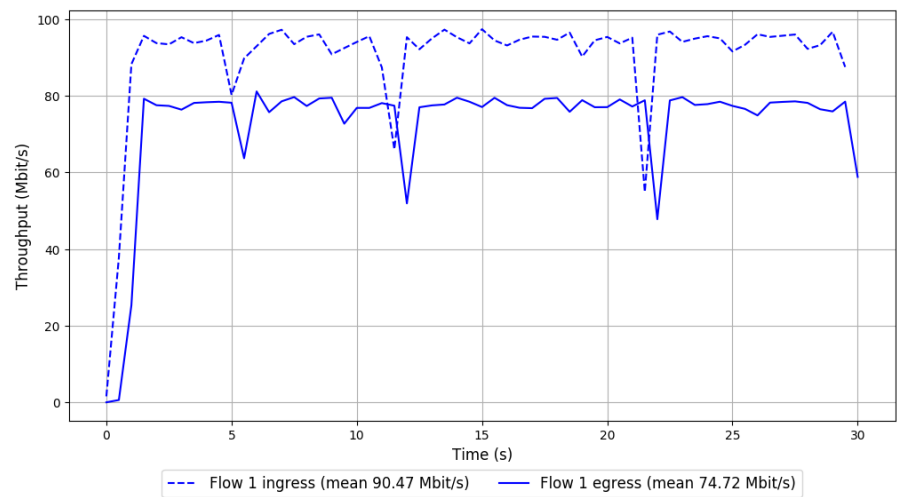


Run 3: Statistics of FillP-Sheep

Start at: 2018-08-01 17:01:03
End at: 2018-08-01 17:01:34
Local clock offset: -7.271 ms
Remote clock offset: 8.671 ms

Below is generated by plot.py at 2018-08-01 19:46:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.72 Mbit/s
95th percentile per-packet one-way delay: 87.068 ms
Loss rate: 17.90%
-- Flow 1:
Average throughput: 74.72 Mbit/s
95th percentile per-packet one-way delay: 87.068 ms
Loss rate: 17.90%

Run 3: Report of FillP-Sheep — Data Link

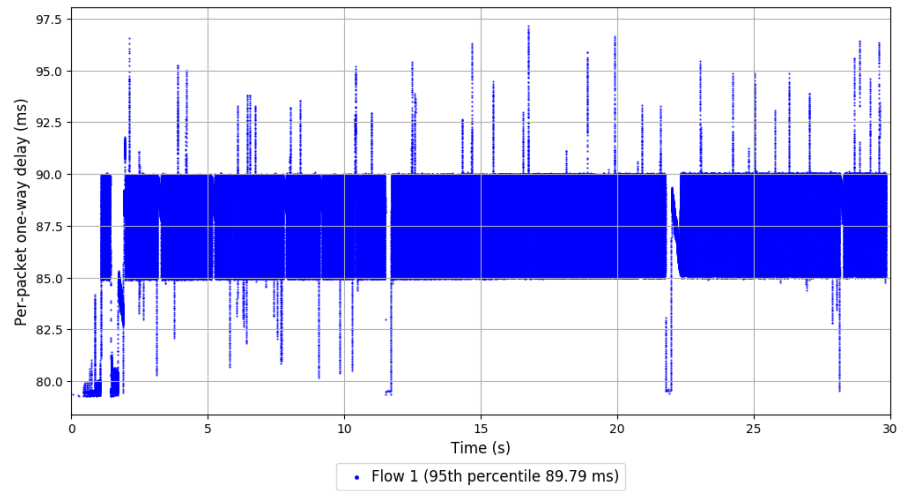
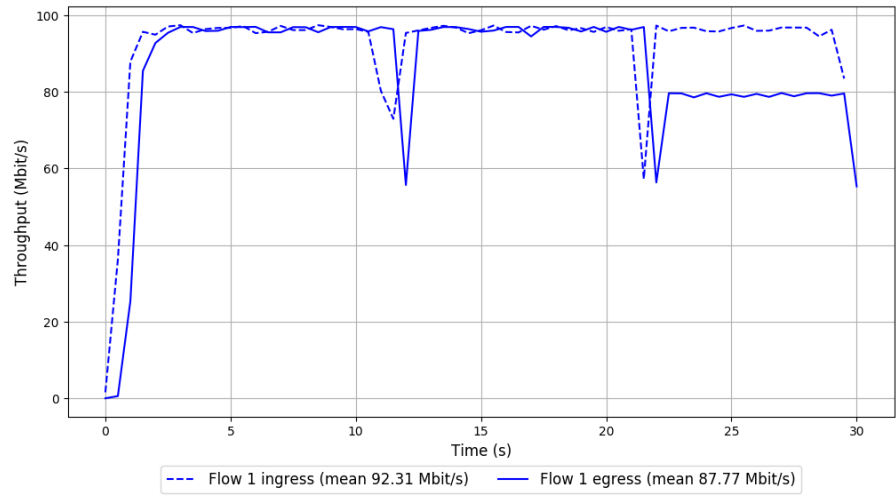


Run 4: Statistics of FillP-Sheep

Start at: 2018-08-01 17:20:59
End at: 2018-08-01 17:21:29
Local clock offset: -7.584 ms
Remote clock offset: 13.879 ms

Below is generated by plot.py at 2018-08-01 19:46:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.77 Mbit/s
95th percentile per-packet one-way delay: 89.791 ms
Loss rate: 5.46%
-- Flow 1:
Average throughput: 87.77 Mbit/s
95th percentile per-packet one-way delay: 89.791 ms
Loss rate: 5.46%

Run 4: Report of FillP-Sheep — Data Link

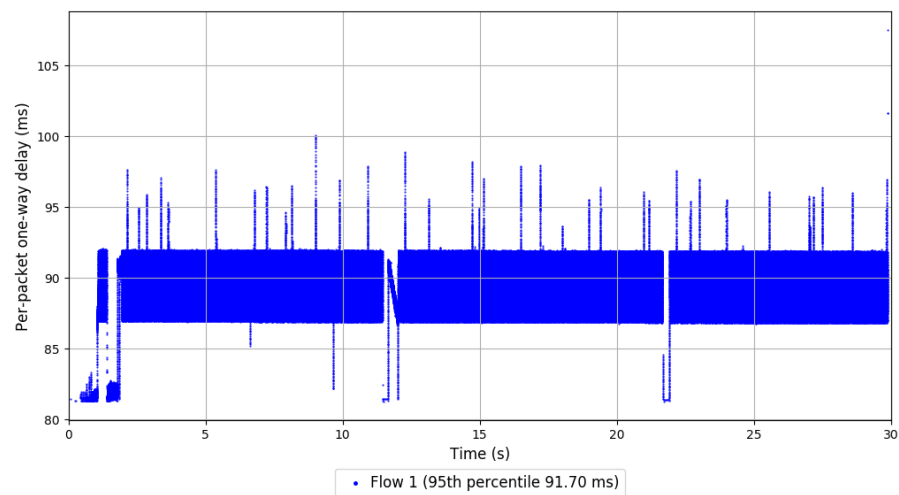
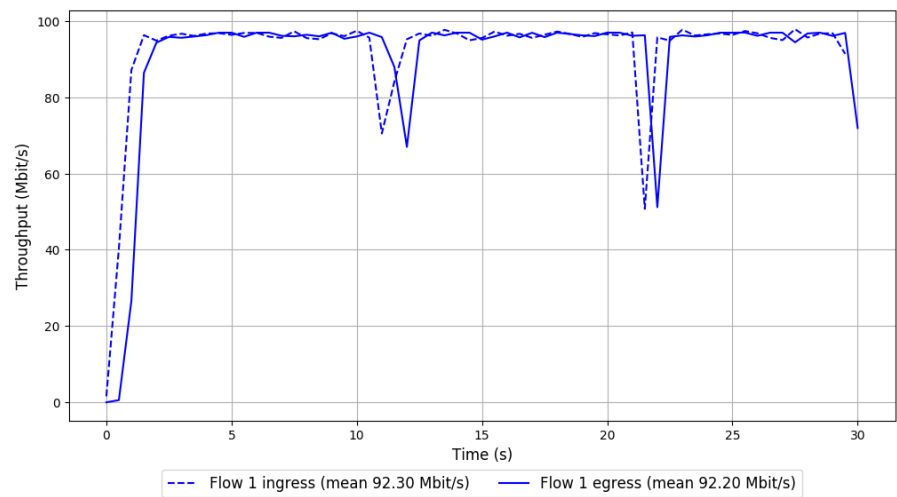


Run 5: Statistics of FillP-Sheep

Start at: 2018-08-01 17:41:05
End at: 2018-08-01 17:41:35
Local clock offset: -6.615 ms
Remote clock offset: 12.783 ms

Below is generated by plot.py at 2018-08-01 19:46:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.20 Mbit/s
95th percentile per-packet one-way delay: 91.698 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 92.20 Mbit/s
95th percentile per-packet one-way delay: 91.698 ms
Loss rate: 0.66%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-08-01 18:00:58

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

Local clock offset: -6.65 ms

Remote clock offset: 10.055 ms

Below is generated by plot.py at 2018-08-01 19:46:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.95 Mbit/s

95th percentile per-packet one-way delay: 95.133 ms

Loss rate: 17.95%

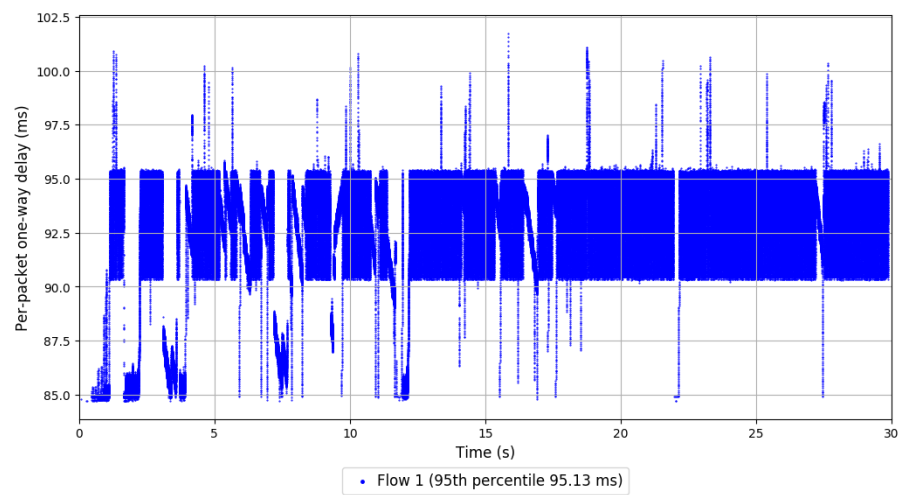
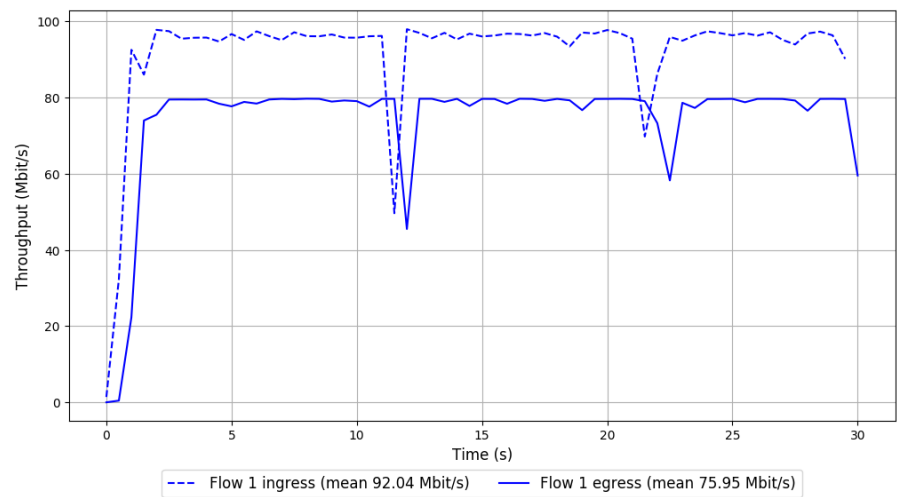
-- Flow 1:

Average throughput: 75.95 Mbit/s

95th percentile per-packet one-way delay: 95.133 ms

Loss rate: 17.95%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-08-01 18:21:12

End at: 2018-08-01 18:21:42

Local clock offset: -6.809 ms

Remote clock offset: 9.49 ms

Below is generated by plot.py at 2018-08-01 19:47:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.30 Mbit/s

95th percentile per-packet one-way delay: 92.536 ms

Loss rate: 9.61%

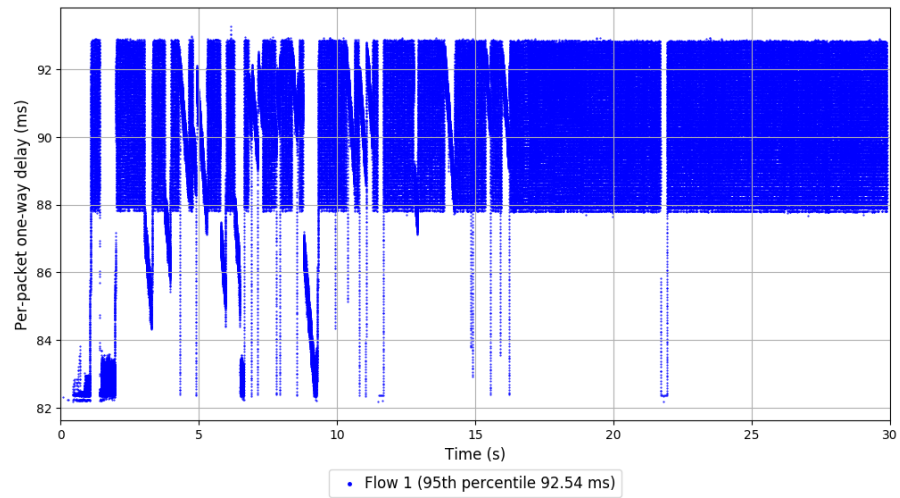
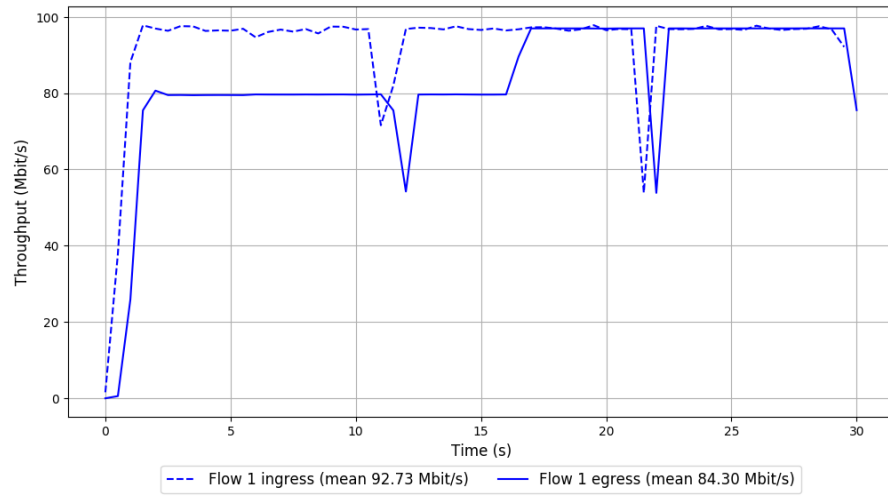
-- Flow 1:

Average throughput: 84.30 Mbit/s

95th percentile per-packet one-way delay: 92.536 ms

Loss rate: 9.61%

Run 7: Report of FillP-Sheep — Data Link

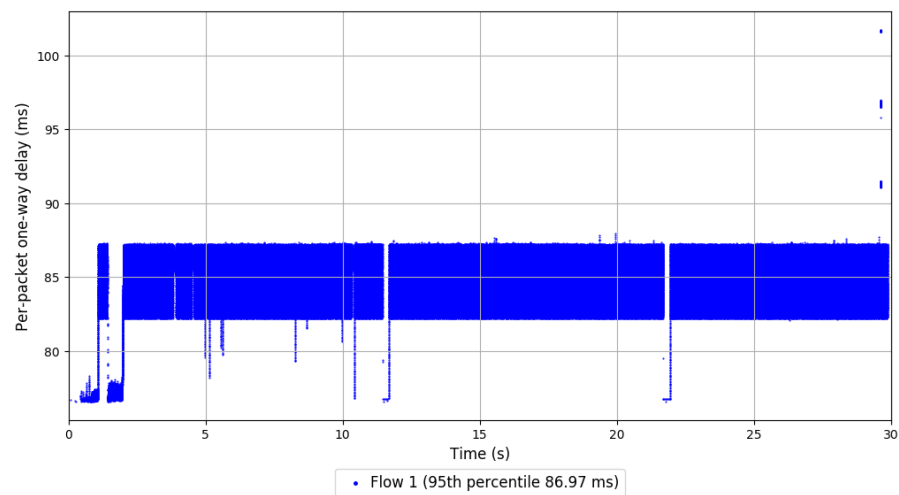
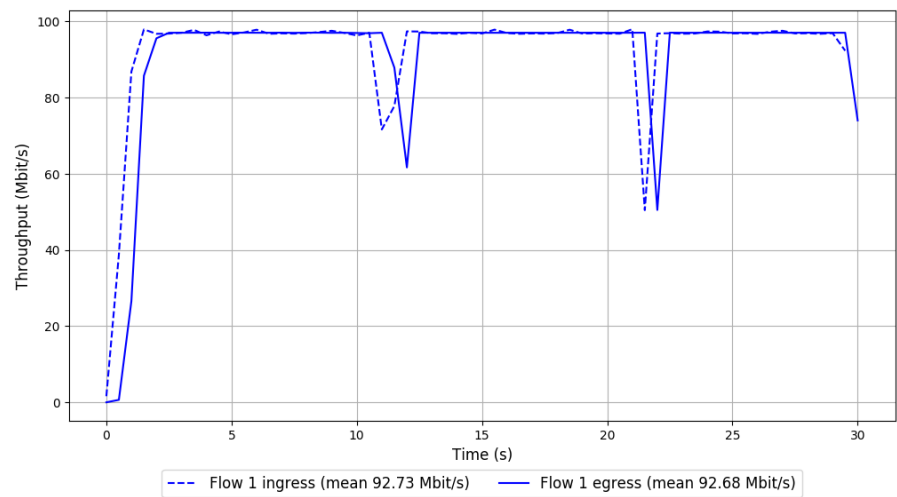


Run 8: Statistics of FillP-Sheep

Start at: 2018-08-01 18:41:07
End at: 2018-08-01 18:41:37
Local clock offset: -6.678 ms
Remote clock offset: 15.044 ms

Below is generated by plot.py at 2018-08-01 19:47:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.68 Mbit/s
95th percentile per-packet one-way delay: 86.968 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 92.68 Mbit/s
95th percentile per-packet one-way delay: 86.968 ms
Loss rate: 0.62%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-08-01 19:01:04

End at: 2018-08-01 19:01:34

Local clock offset: -6.7 ms

Remote clock offset: 3.178 ms

Below is generated by plot.py at 2018-08-01 19:47:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.44 Mbit/s

95th percentile per-packet one-way delay: 92.411 ms

Loss rate: 0.62%

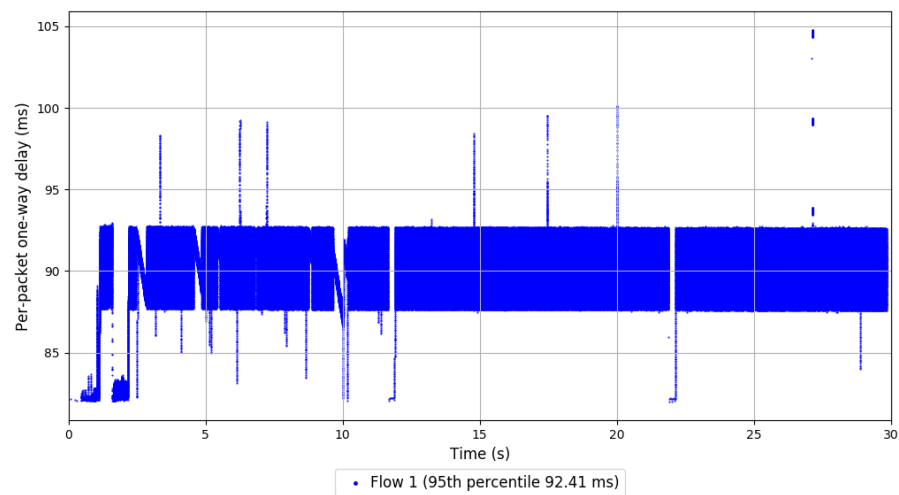
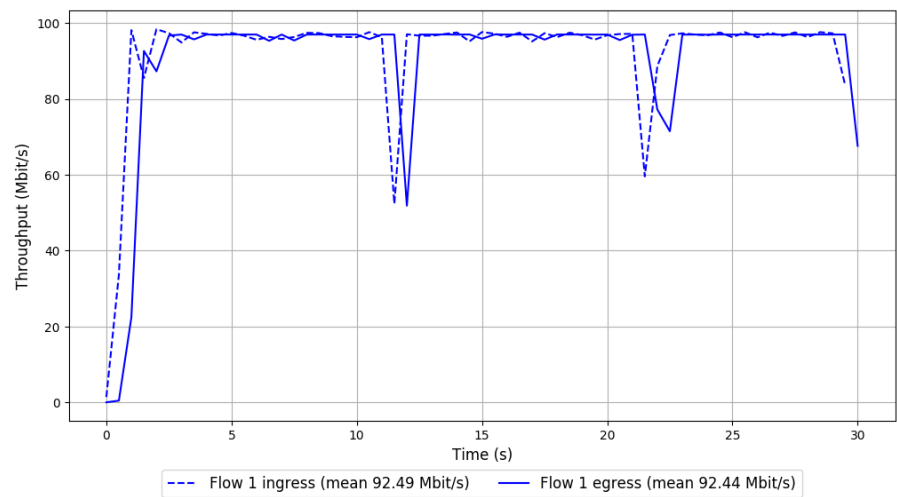
-- Flow 1:

Average throughput: 92.44 Mbit/s

95th percentile per-packet one-way delay: 92.411 ms

Loss rate: 0.62%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-08-01 19:21:02

End at: 2018-08-01 19:21:32

Local clock offset: -6.649 ms

Remote clock offset: 4.647 ms

Below is generated by plot.py at 2018-08-01 19:47:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.65 Mbit/s

95th percentile per-packet one-way delay: 91.946 ms

Loss rate: 0.62%

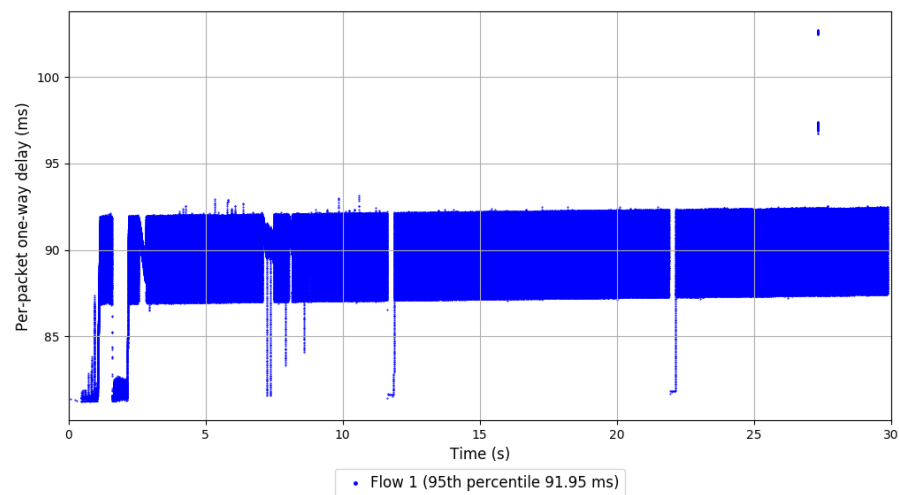
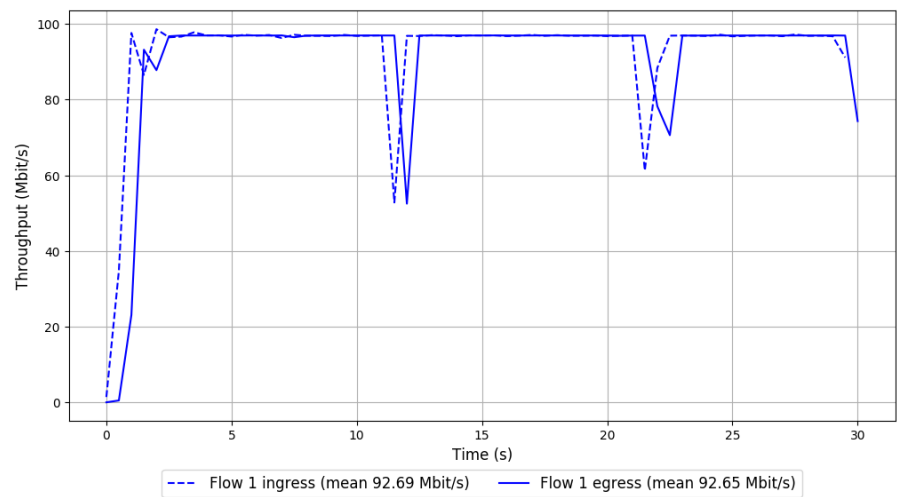
-- Flow 1:

Average throughput: 92.65 Mbit/s

95th percentile per-packet one-way delay: 91.946 ms

Loss rate: 0.62%

Run 10: Report of FillP-Sheep — Data Link

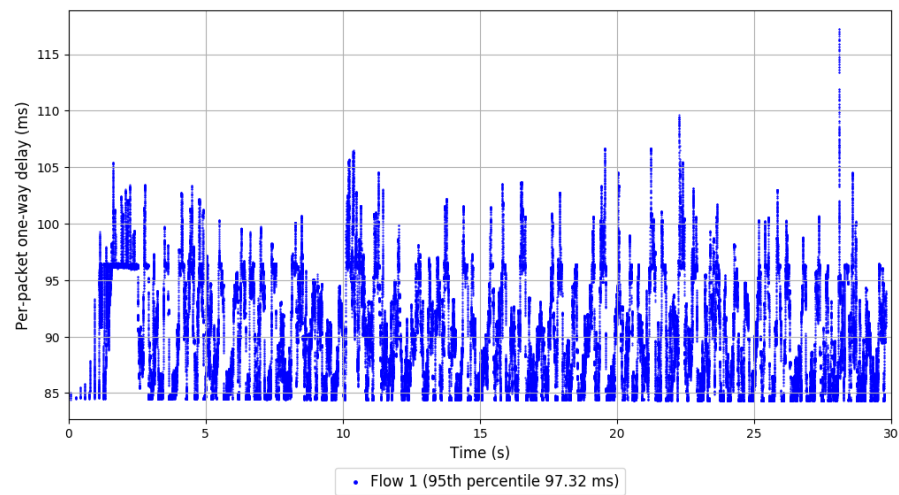
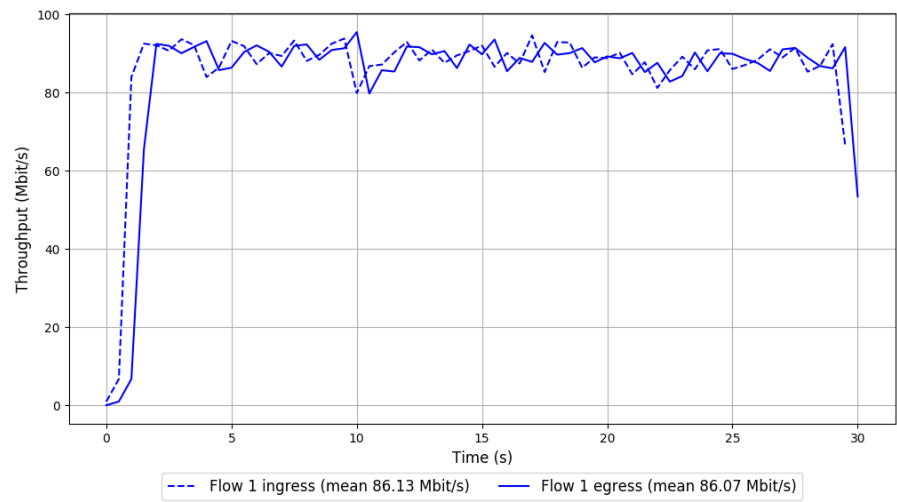


```
Run 1: Statistics of Indigo

Start at: 2018-08-01 16:22:27
End at: 2018-08-01 16:22:57
Local clock offset: -9.46 ms
Remote clock offset: 3.707 ms

# Below is generated by plot.py at 2018-08-01 19:47:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.07 Mbit/s
95th percentile per-packet one-way delay: 97.317 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 86.07 Mbit/s
95th percentile per-packet one-way delay: 97.317 ms
Loss rate: 0.65%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-08-01 16:42:19

End at: 2018-08-01 16:42:49

Local clock offset: -7.208 ms

Remote clock offset: 2.993 ms

Below is generated by plot.py at 2018-08-01 19:47:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.49 Mbit/s

95th percentile per-packet one-way delay: 96.465 ms

Loss rate: 0.61%

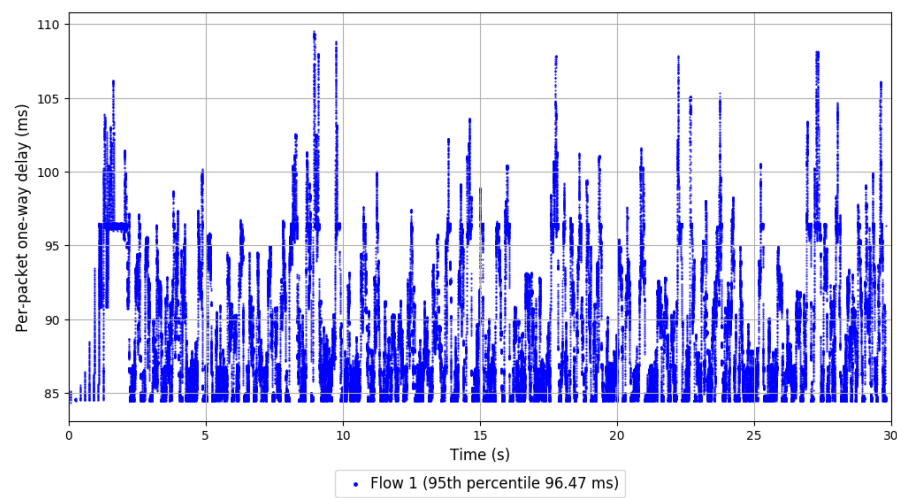
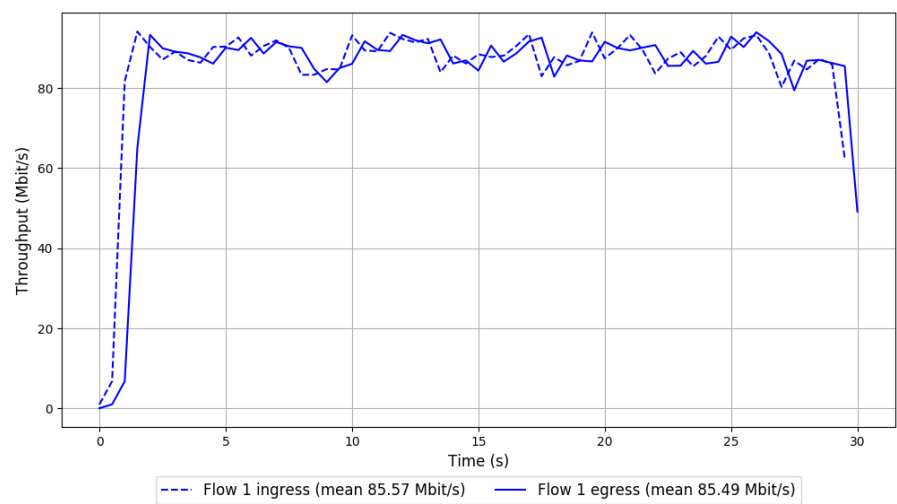
-- Flow 1:

Average throughput: 85.49 Mbit/s

95th percentile per-packet one-way delay: 96.465 ms

Loss rate: 0.61%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-08-01 17:02:14

End at: 2018-08-01 17:02:44

Local clock offset: -7.26 ms

Remote clock offset: 2.668 ms

Below is generated by plot.py at 2018-08-01 19:47:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.67 Mbit/s

95th percentile per-packet one-way delay: 94.585 ms

Loss rate: 0.63%

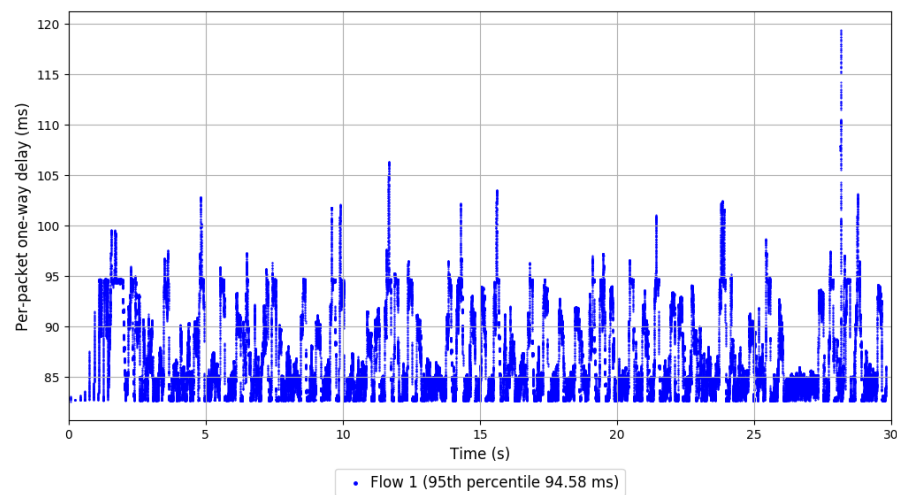
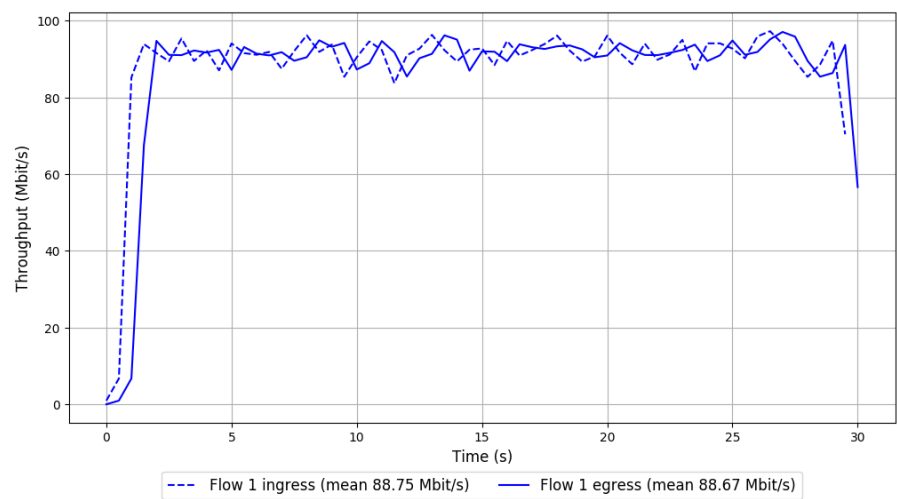
-- Flow 1:

Average throughput: 88.67 Mbit/s

95th percentile per-packet one-way delay: 94.585 ms

Loss rate: 0.63%

Run 3: Report of Indigo — Data Link

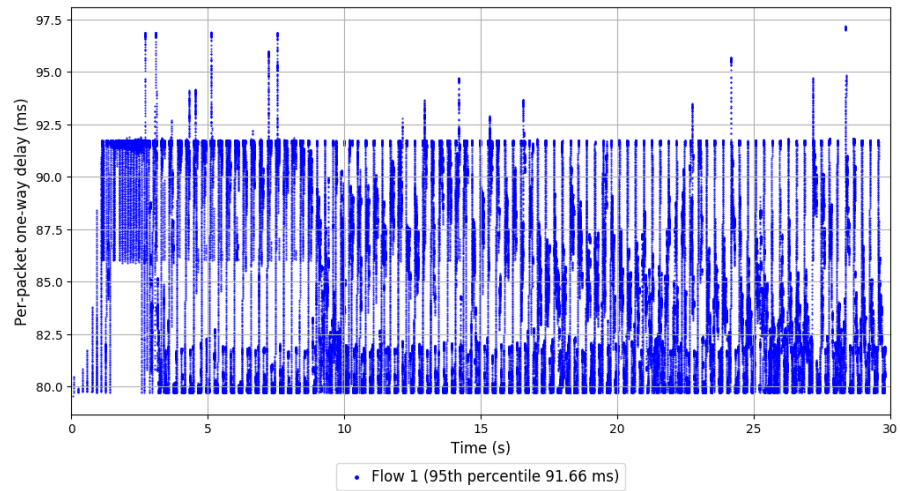
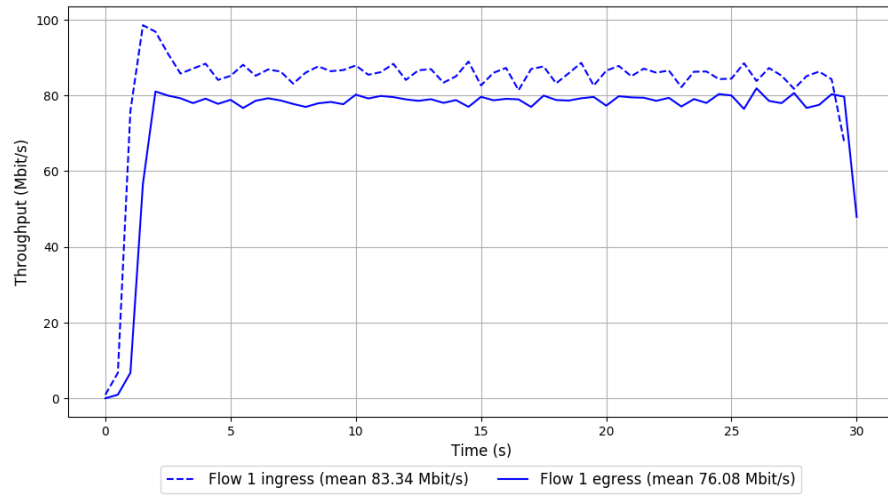


Run 4: Statistics of Indigo

Start at: 2018-08-01 17:22:10
End at: 2018-08-01 17:22:40
Local clock offset: -7.601 ms
Remote clock offset: 15.232 ms

Below is generated by plot.py at 2018-08-01 19:47:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.08 Mbit/s
95th percentile per-packet one-way delay: 91.664 ms
Loss rate: 9.22%
-- Flow 1:
Average throughput: 76.08 Mbit/s
95th percentile per-packet one-way delay: 91.664 ms
Loss rate: 9.22%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-08-01 17:42:15

End at: 2018-08-01 17:42:45

Local clock offset: -6.603 ms

Remote clock offset: 16.19 ms

Below is generated by plot.py at 2018-08-01 19:48:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.58 Mbit/s

95th percentile per-packet one-way delay: 89.649 ms

Loss rate: 5.40%

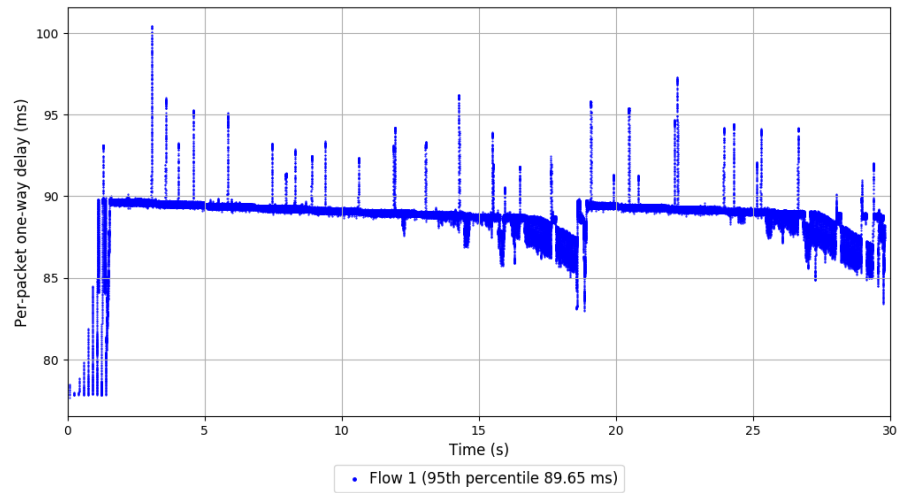
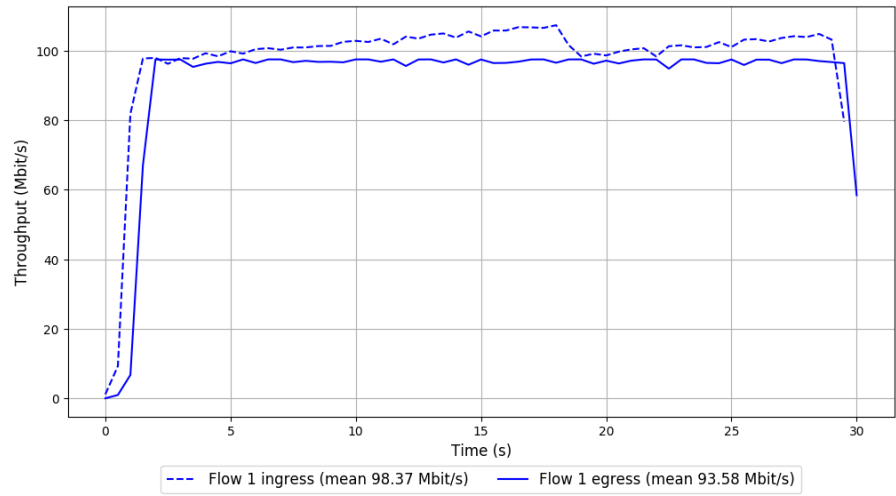
-- Flow 1:

Average throughput: 93.58 Mbit/s

95th percentile per-packet one-way delay: 89.649 ms

Loss rate: 5.40%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-08-01 18:02:18

End at: 2018-08-01 18:02:48

Local clock offset: -6.705 ms

Remote clock offset: 9.957 ms

Below is generated by plot.py at 2018-08-01 19:48:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.95 Mbit/s

95th percentile per-packet one-way delay: 94.873 ms

Loss rate: 9.74%

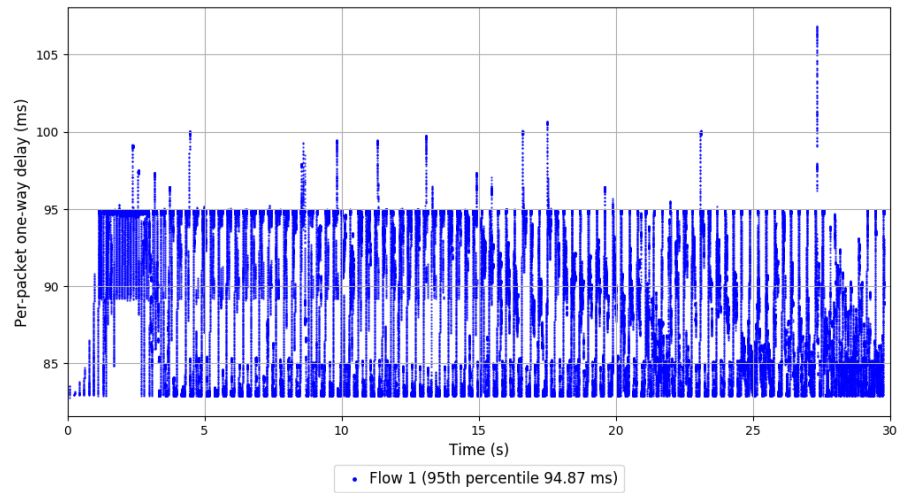
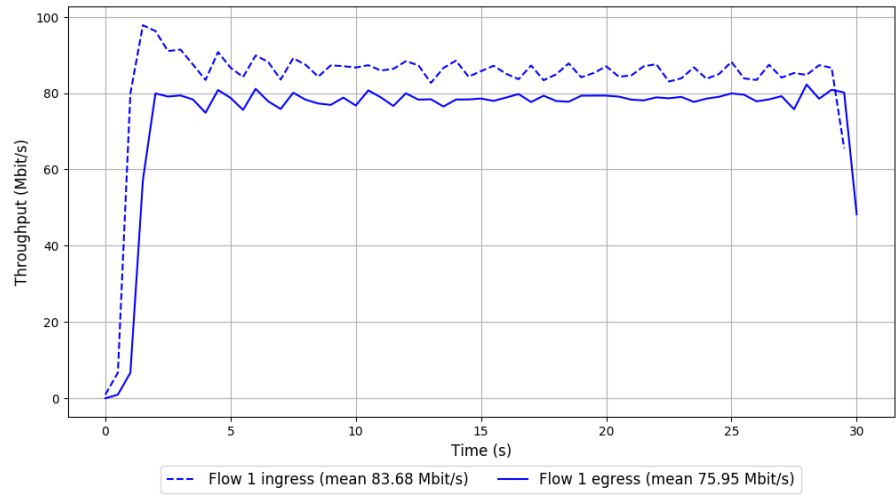
-- Flow 1:

Average throughput: 75.95 Mbit/s

95th percentile per-packet one-way delay: 94.873 ms

Loss rate: 9.74%

Run 6: Report of Indigo — Data Link

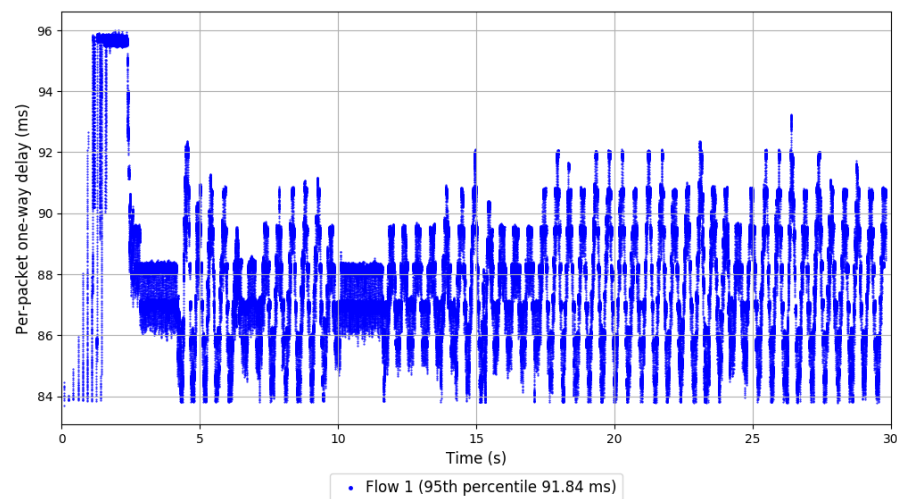
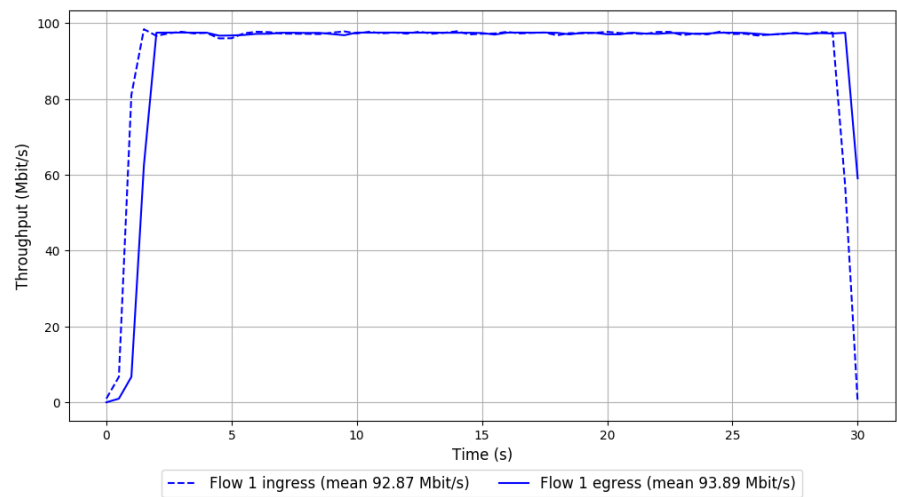


Run 7: Statistics of Indigo

Start at: 2018-08-01 18:22:23
End at: 2018-08-01 18:22:53
Local clock offset: -6.816 ms
Remote clock offset: 10.425 ms

Below is generated by plot.py at 2018-08-01 19:48:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.89 Mbit/s
95th percentile per-packet one-way delay: 91.839 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 93.89 Mbit/s
95th percentile per-packet one-way delay: 91.839 ms
Loss rate: 0.29%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-08-01 18:42:18

End at: 2018-08-01 18:42:48

Local clock offset: -6.67 ms

Remote clock offset: 9.109 ms

Below is generated by plot.py at 2018-08-01 19:48:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.04 Mbit/s

95th percentile per-packet one-way delay: 96.351 ms

Loss rate: 2.92%

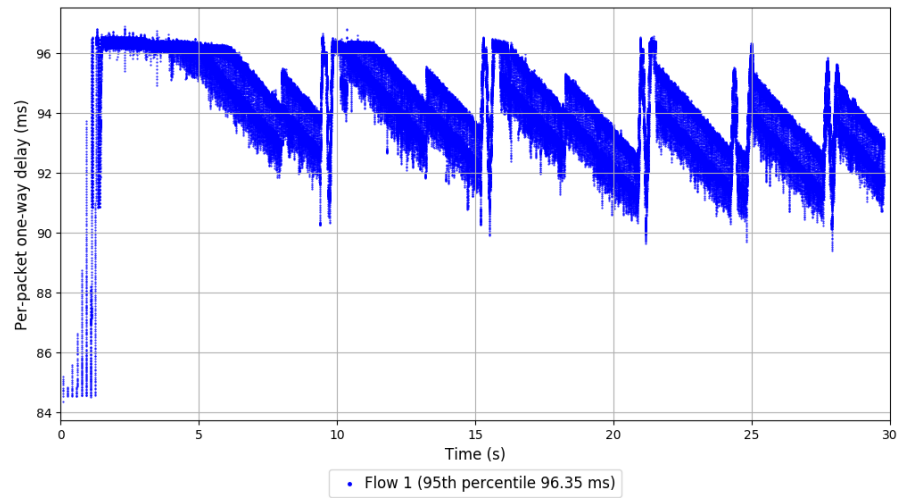
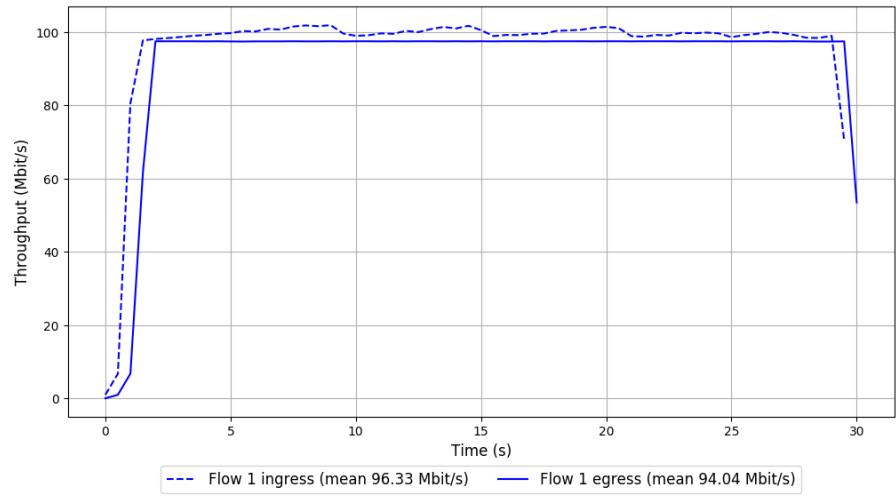
-- Flow 1:

Average throughput: 94.04 Mbit/s

95th percentile per-packet one-way delay: 96.351 ms

Loss rate: 2.92%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-08-01 19:02:15

End at: 2018-08-01 19:02:45

Local clock offset: -6.642 ms

Remote clock offset: 2.901 ms

Below is generated by plot.py at 2018-08-01 19:48:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.80 Mbit/s

95th percentile per-packet one-way delay: 89.951 ms

Loss rate: 0.58%

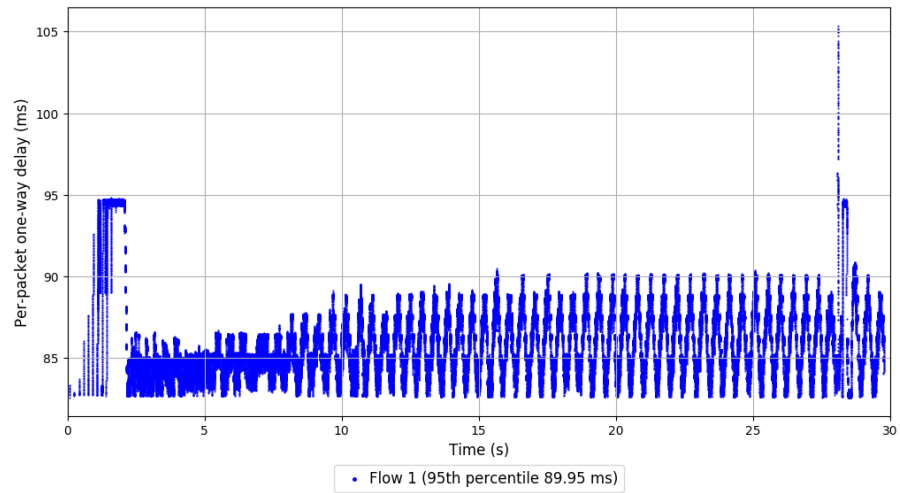
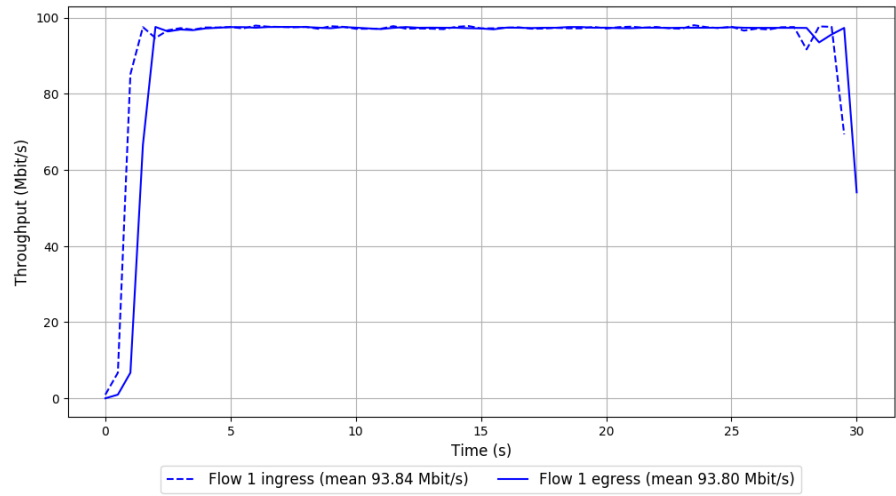
-- Flow 1:

Average throughput: 93.80 Mbit/s

95th percentile per-packet one-way delay: 89.951 ms

Loss rate: 0.58%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-08-01 19:22:13

End at: 2018-08-01 19:22:43

Local clock offset: -6.727 ms

Remote clock offset: 6.9 ms

Below is generated by plot.py at 2018-08-01 19:48:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.72 Mbit/s

95th percentile per-packet one-way delay: 88.294 ms

Loss rate: 0.62%

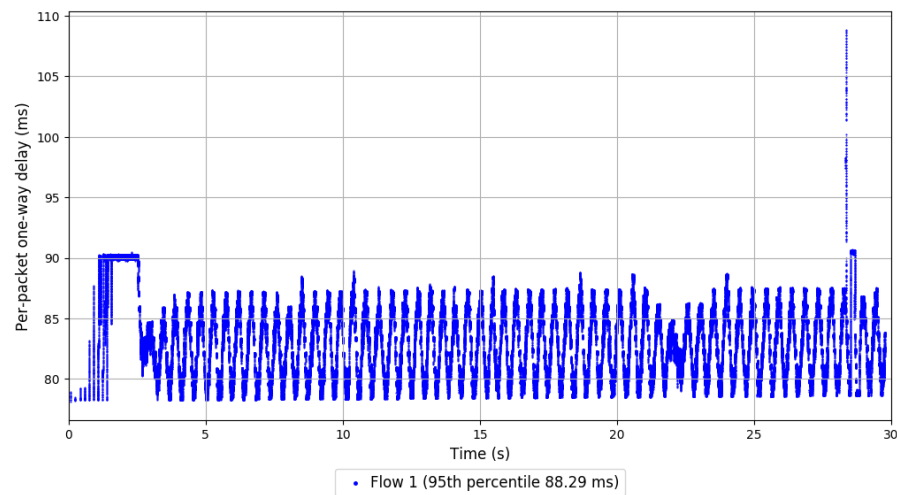
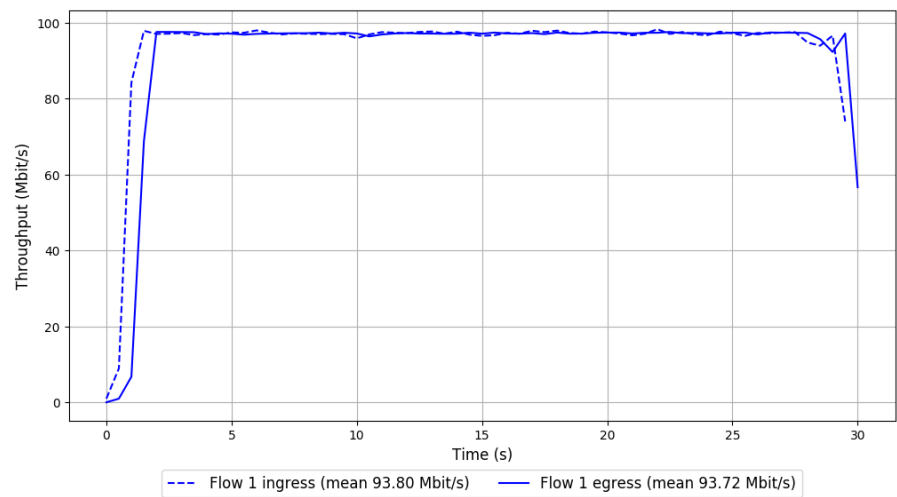
-- Flow 1:

Average throughput: 93.72 Mbit/s

95th percentile per-packet one-way delay: 88.294 ms

Loss rate: 0.62%

Run 10: Report of Indigo — Data Link



Run 1: Statistics of LEDBAT

Start at: 2018-08-01 16:36:34

End at: 2018-08-01 16:37:04

Local clock offset: -7.288 ms

Remote clock offset: 3.318 ms

Below is generated by plot.py at 2018-08-01 19:48:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.24 Mbit/s

95th percentile per-packet one-way delay: 85.333 ms

Loss rate: 1.10%

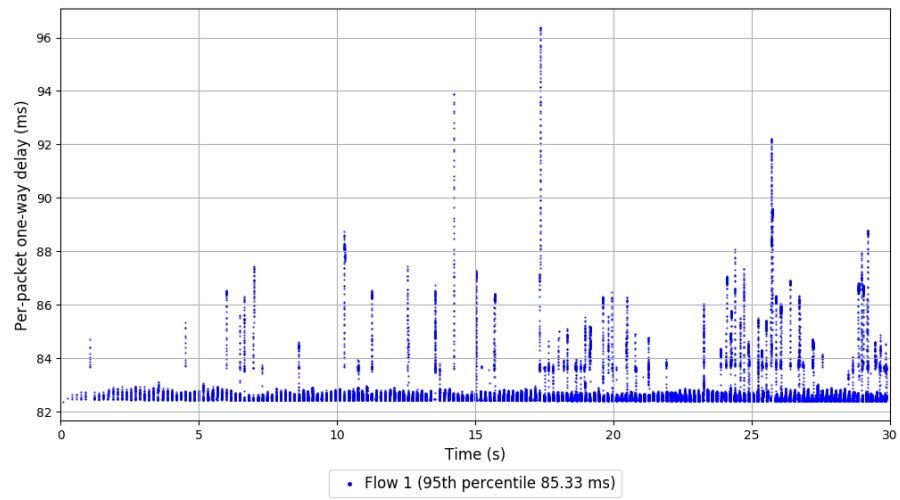
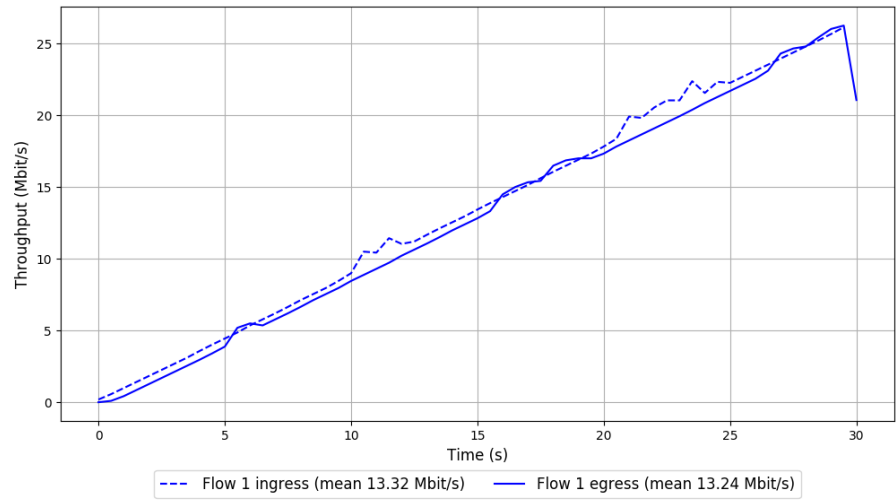
-- Flow 1:

Average throughput: 13.24 Mbit/s

95th percentile per-packet one-way delay: 85.333 ms

Loss rate: 1.10%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-08-01 16:56:29

End at: 2018-08-01 16:56:59

Local clock offset: -7.259 ms

Remote clock offset: 3.95 ms

Below is generated by plot.py at 2018-08-01 19:48:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.55 Mbit/s

95th percentile per-packet one-way delay: 82.872 ms

Loss rate: 1.09%

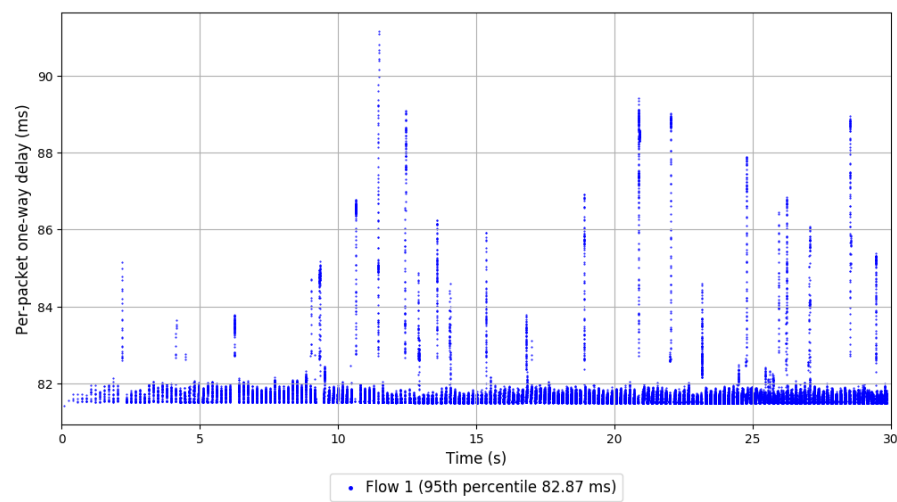
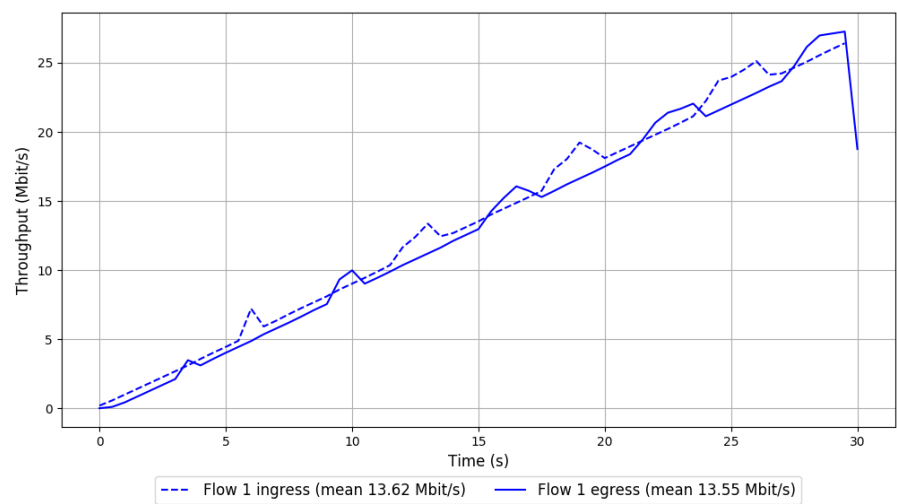
-- Flow 1:

Average throughput: 13.55 Mbit/s

95th percentile per-packet one-way delay: 82.872 ms

Loss rate: 1.09%

Run 2: Report of LEDBAT — Data Link

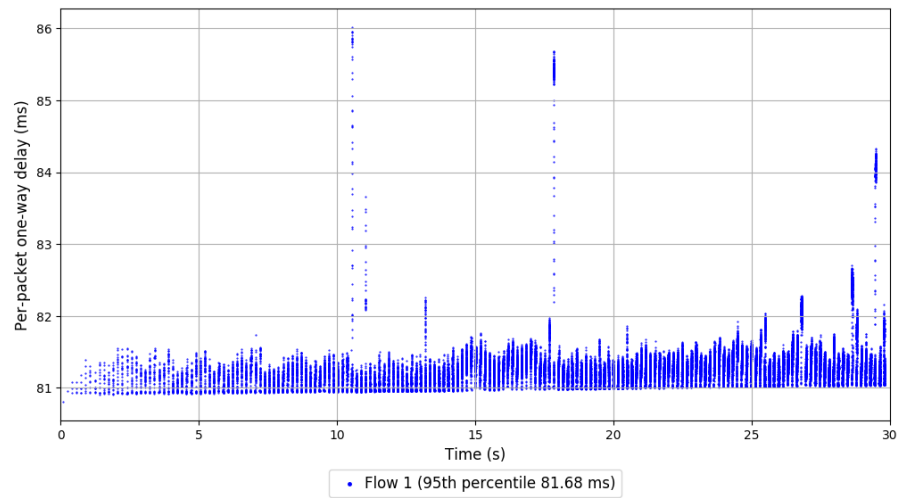
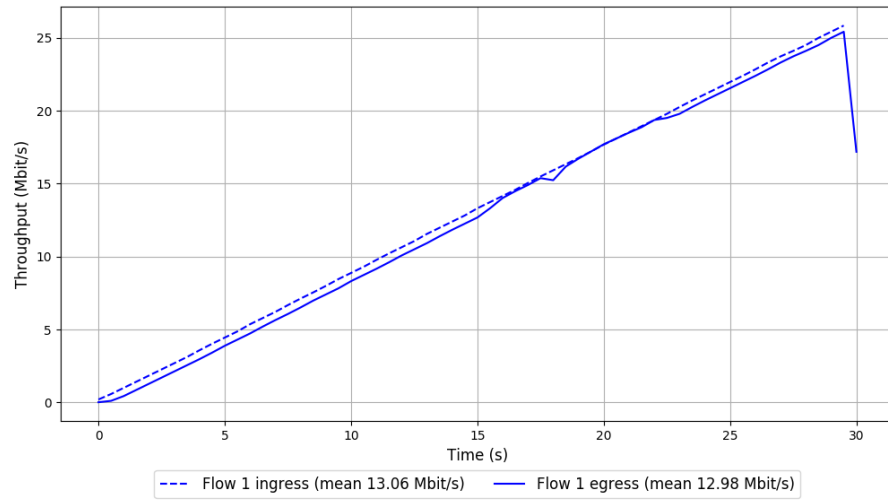


Run 3: Statistics of LEDBAT

Start at: 2018-08-01 17:16:24
End at: 2018-08-01 17:16:54
Local clock offset: -7.519 ms
Remote clock offset: 12.827 ms

Below is generated by plot.py at 2018-08-01 19:48:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.98 Mbit/s
95th percentile per-packet one-way delay: 81.678 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 12.98 Mbit/s
95th percentile per-packet one-way delay: 81.678 ms
Loss rate: 1.11%

Run 3: Report of LEDBAT — Data Link

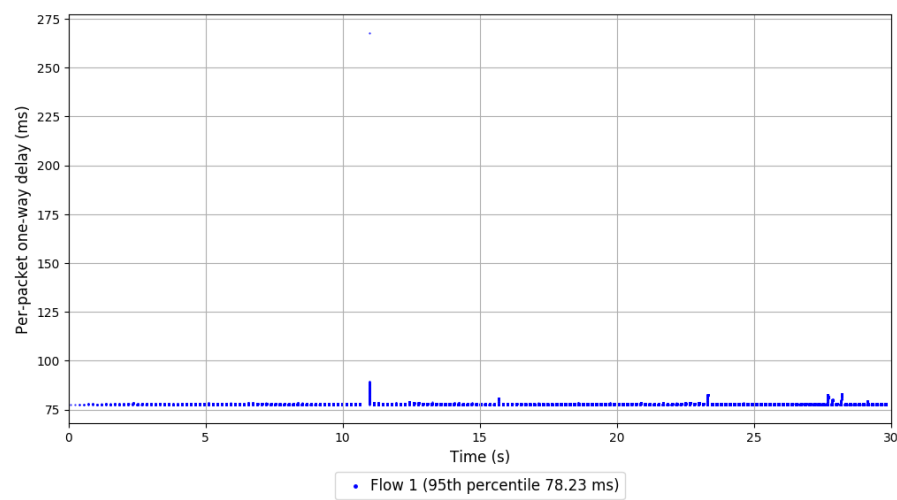
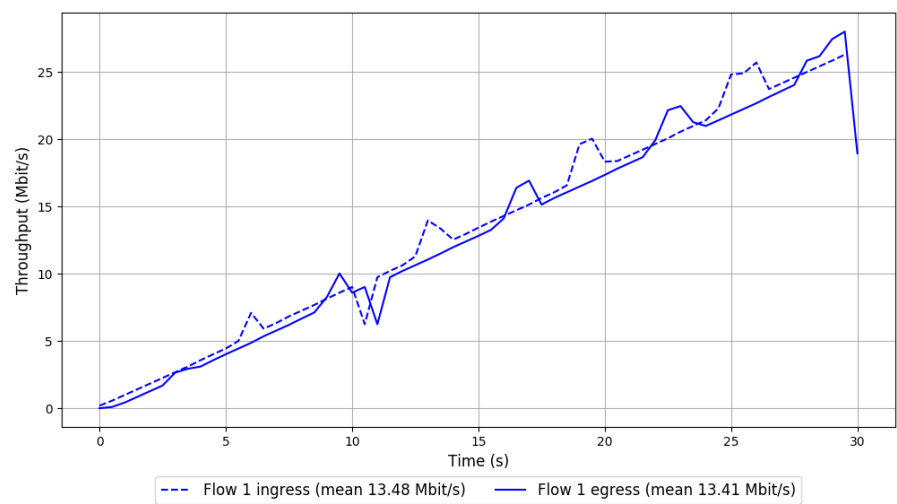


Run 4: Statistics of LEDBAT

Start at: 2018-08-01 17:36:30
End at: 2018-08-01 17:37:00
Local clock offset: -6.735 ms
Remote clock offset: 17.274 ms

Below is generated by plot.py at 2018-08-01 19:48:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.41 Mbit/s
95th percentile per-packet one-way delay: 78.233 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 13.41 Mbit/s
95th percentile per-packet one-way delay: 78.233 ms
Loss rate: 1.09%

Run 4: Report of LEDBAT — Data Link

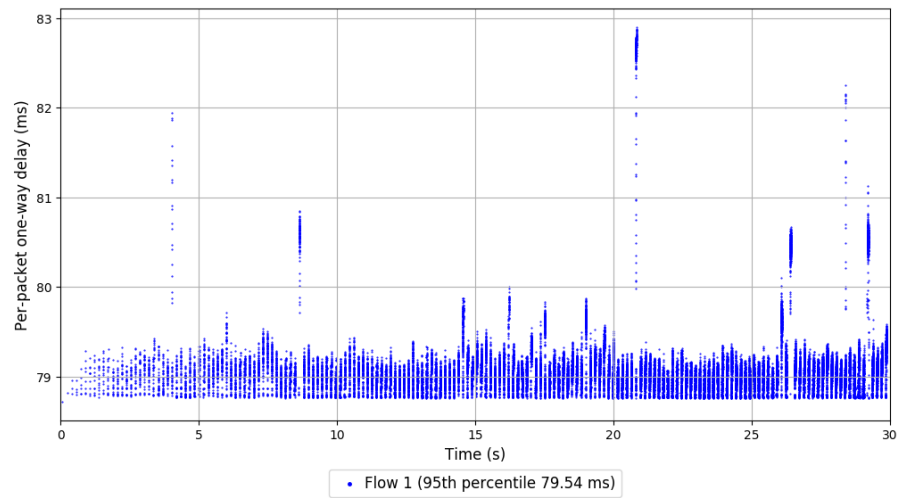
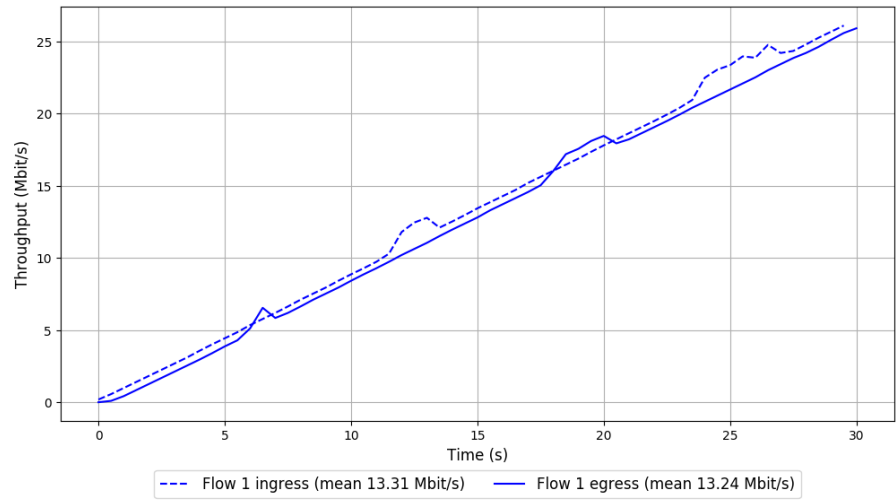


Run 5: Statistics of LEDBAT

Start at: 2018-08-01 17:56:24
End at: 2018-08-01 17:56:54
Local clock offset: -6.623 ms
Remote clock offset: 13.904 ms

Below is generated by plot.py at 2018-08-01 19:48:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.24 Mbit/s
95th percentile per-packet one-way delay: 79.538 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 13.24 Mbit/s
95th percentile per-packet one-way delay: 79.538 ms
Loss rate: 1.10%

Run 5: Report of LEDBAT — Data Link

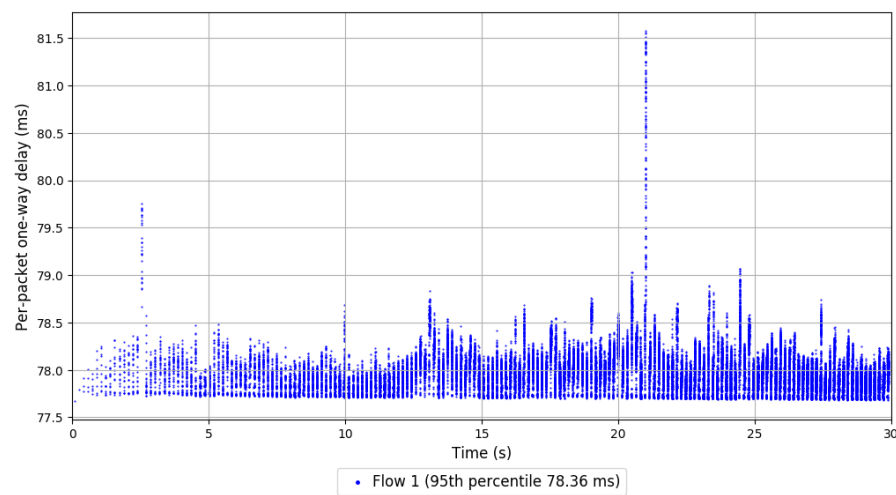
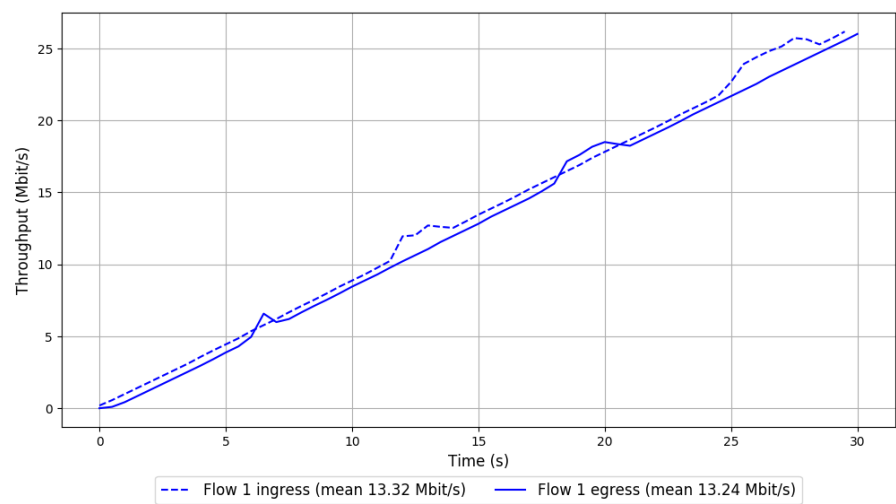


Run 6: Statistics of LEDBAT

Start at: 2018-08-01 18:16:39
End at: 2018-08-01 18:17:09
Local clock offset: -6.823 ms
Remote clock offset: 14.703 ms

Below is generated by plot.py at 2018-08-01 19:48:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.24 Mbit/s
95th percentile per-packet one-way delay: 78.362 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 13.24 Mbit/s
95th percentile per-packet one-way delay: 78.362 ms
Loss rate: 1.10%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-08-01 18:36:33

End at: 2018-08-01 18:37:03

Local clock offset: -6.76 ms

Remote clock offset: 9.055 ms

Below is generated by plot.py at 2018-08-01 19:48:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.28 Mbit/s

95th percentile per-packet one-way delay: 83.186 ms

Loss rate: 1.09%

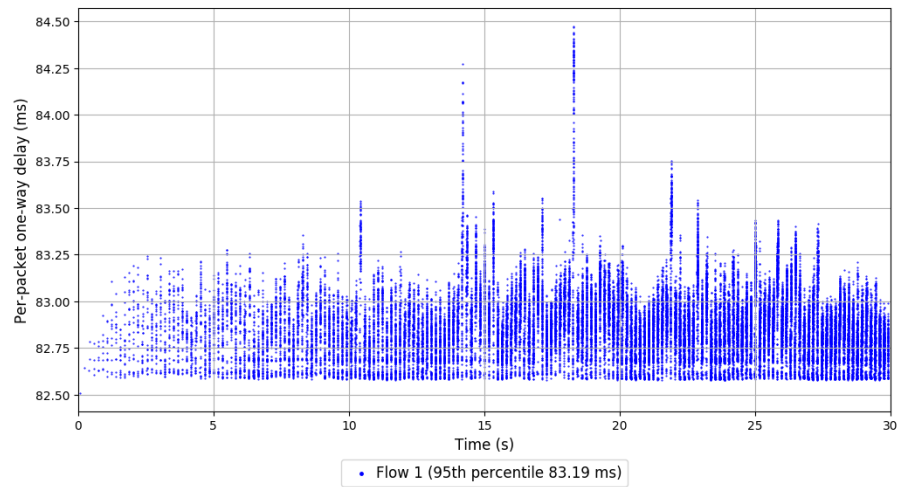
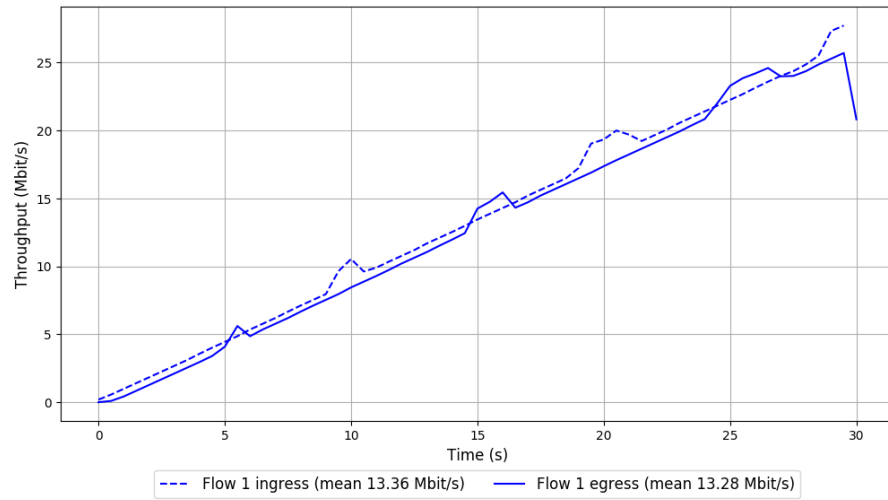
-- Flow 1:

Average throughput: 13.28 Mbit/s

95th percentile per-packet one-way delay: 83.186 ms

Loss rate: 1.09%

Run 7: Report of LEDBAT — Data Link

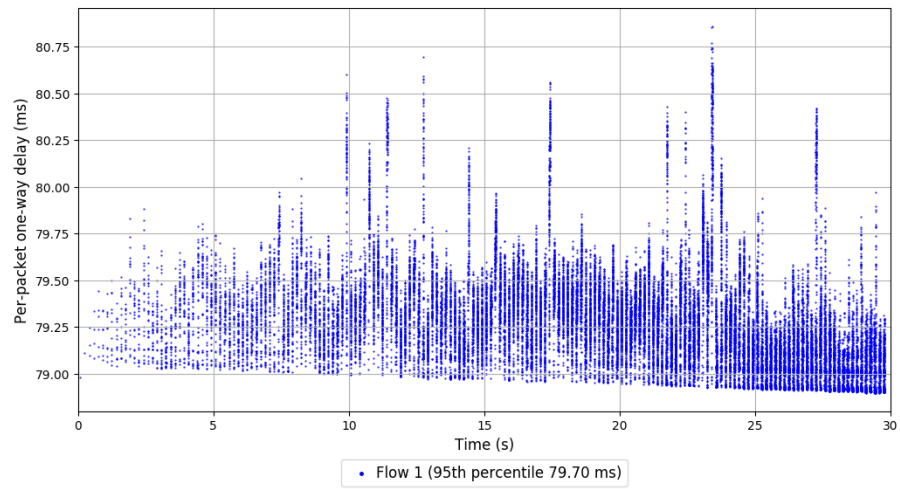
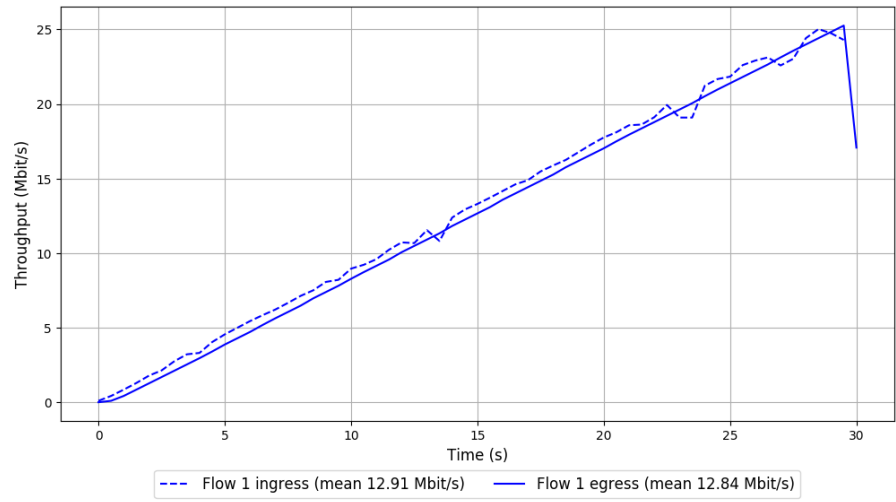


Run 8: Statistics of LEDBAT

Start at: 2018-08-01 18:56:29
End at: 2018-08-01 18:56:59
Local clock offset: -6.741 ms
Remote clock offset: 10.162 ms

Below is generated by plot.py at 2018-08-01 19:48:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.84 Mbit/s
95th percentile per-packet one-way delay: 79.703 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 12.84 Mbit/s
95th percentile per-packet one-way delay: 79.703 ms
Loss rate: 1.12%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-08-01 19:16:27

End at: 2018-08-01 19:16:57

Local clock offset: -6.645 ms

Remote clock offset: 7.007 ms

Below is generated by plot.py at 2018-08-01 19:48:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.40 Mbit/s

95th percentile per-packet one-way delay: 79.244 ms

Loss rate: 1.13%

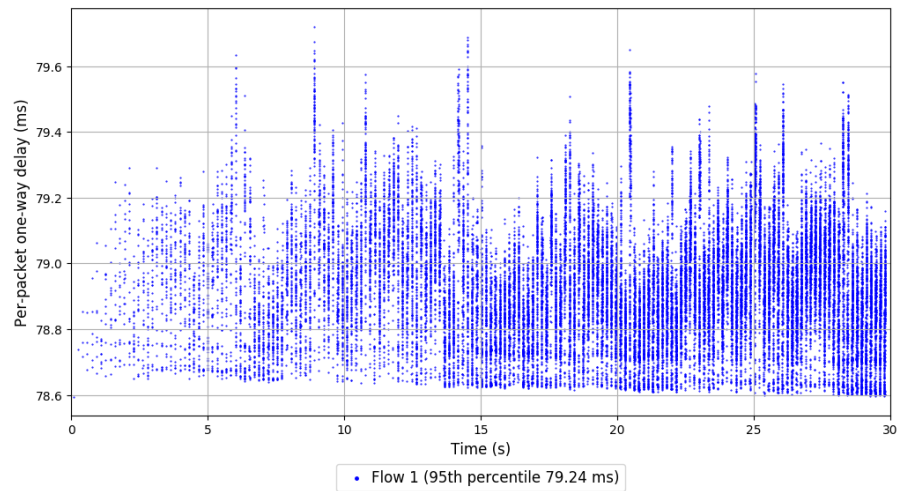
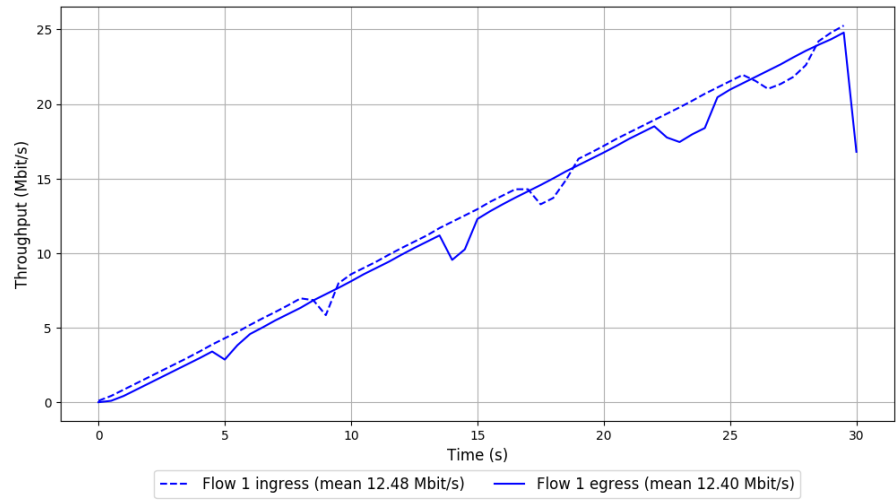
-- Flow 1:

Average throughput: 12.40 Mbit/s

95th percentile per-packet one-way delay: 79.244 ms

Loss rate: 1.13%

Run 9: Report of LEDBAT — Data Link

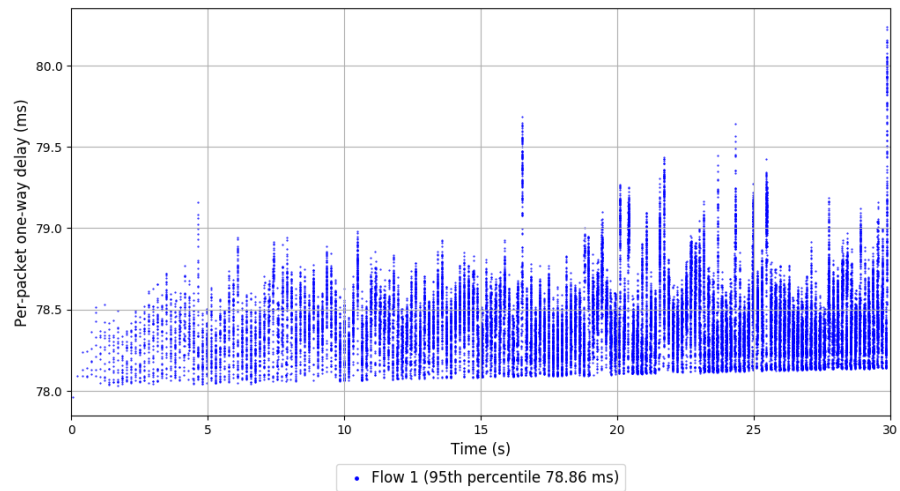
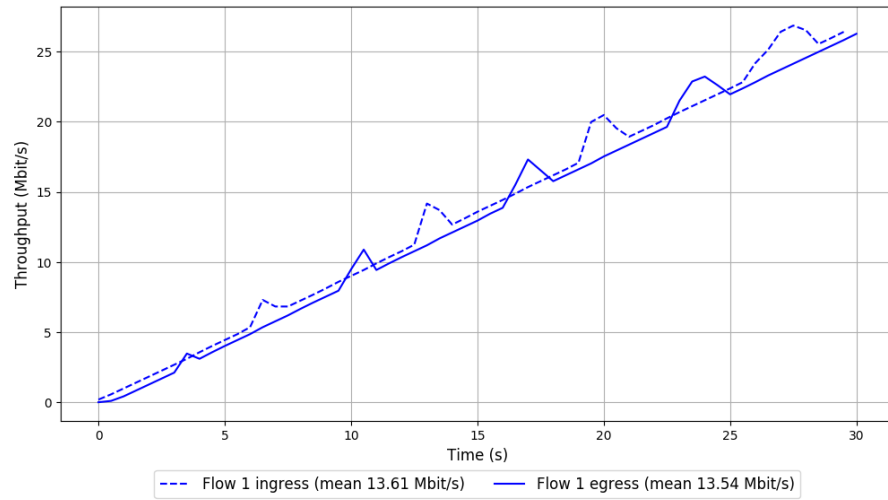


Run 10: Statistics of LEDBAT

Start at: 2018-08-01 19:36:23
End at: 2018-08-01 19:36:53
Local clock offset: -6.09 ms
Remote clock offset: 14.688 ms

Below is generated by plot.py at 2018-08-01 19:48:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.54 Mbit/s
95th percentile per-packet one-way delay: 78.865 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 13.54 Mbit/s
95th percentile per-packet one-way delay: 78.865 ms
Loss rate: 1.08%

Run 10: Report of LEDBAT — Data Link

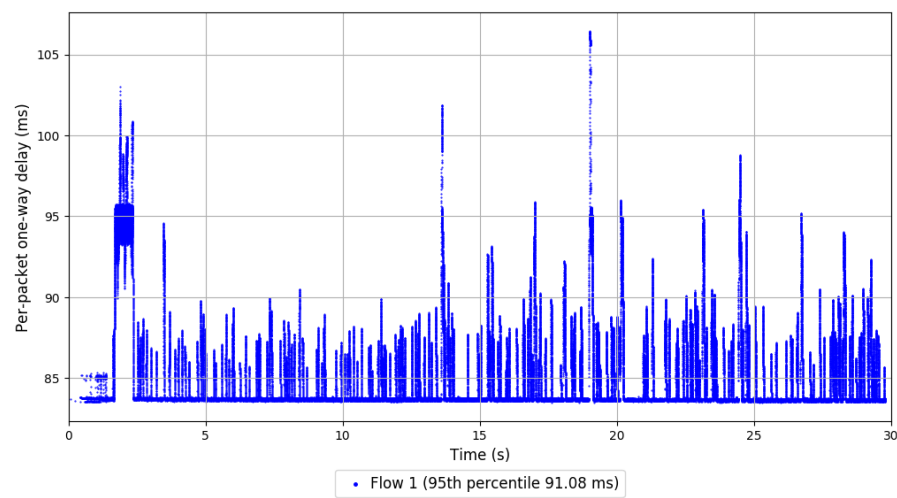
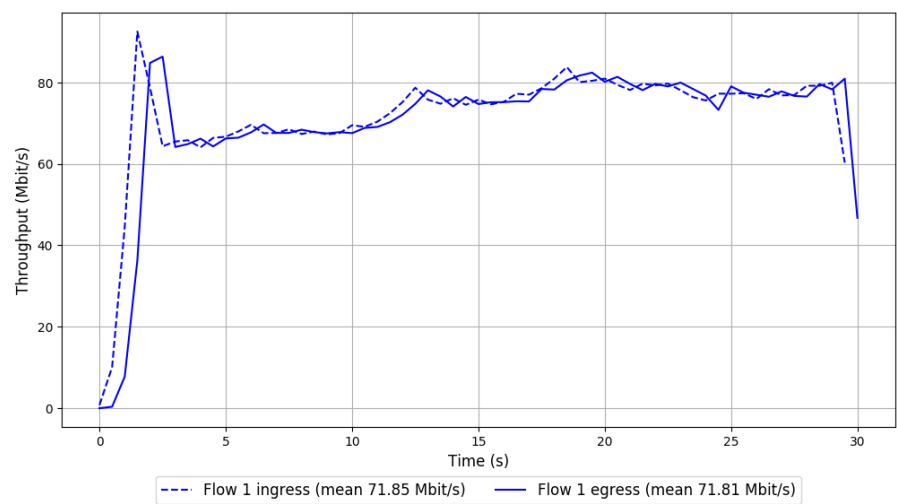


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-08-01 16:27:07
End at: 2018-08-01 16:27:37
Local clock offset: -8.188 ms
Remote clock offset: 4.785 ms

# Below is generated by plot.py at 2018-08-01 19:49:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.81 Mbit/s
95th percentile per-packet one-way delay: 91.085 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 71.81 Mbit/s
95th percentile per-packet one-way delay: 91.085 ms
Loss rate: 0.63%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-08-01 16:47:00

End at: 2018-08-01 16:47:30

Local clock offset: -7.297 ms

Remote clock offset: 6.667 ms

Below is generated by plot.py at 2018-08-01 19:49:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.23 Mbit/s

95th percentile per-packet one-way delay: 90.913 ms

Loss rate: 0.68%

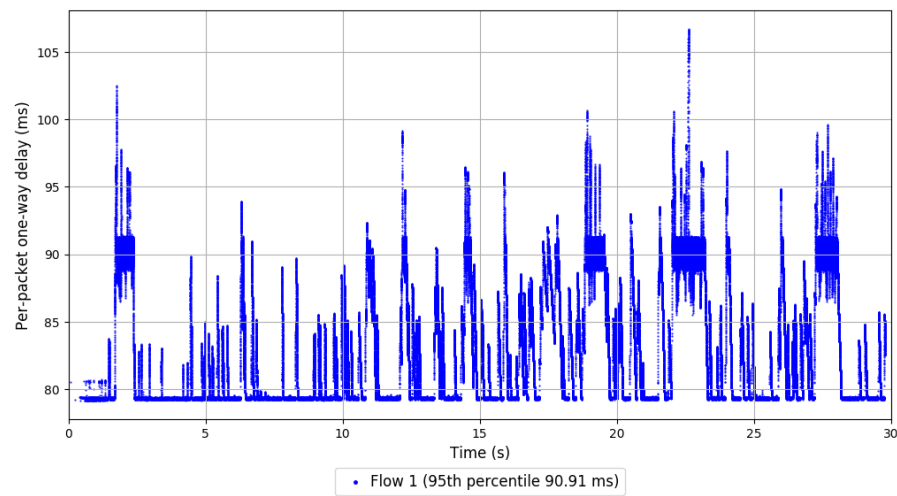
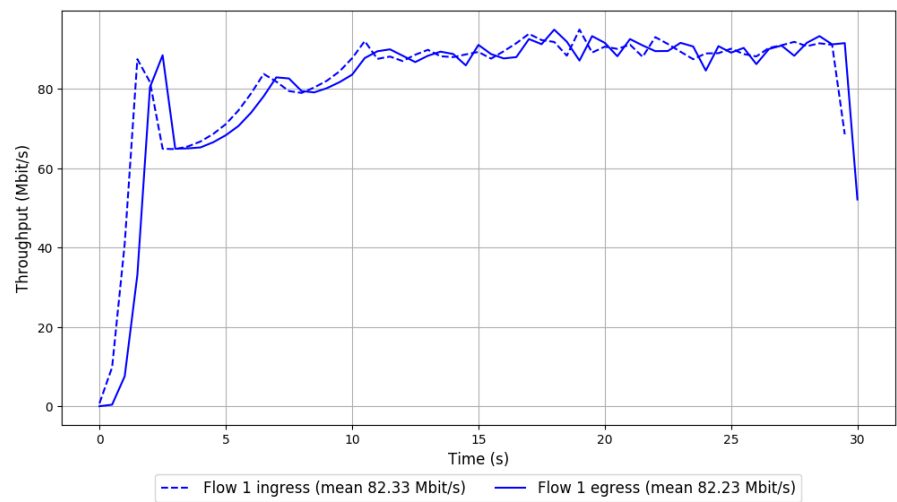
-- Flow 1:

Average throughput: 82.23 Mbit/s

95th percentile per-packet one-way delay: 90.913 ms

Loss rate: 0.68%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-08-01 17:06:55

End at: 2018-08-01 17:07:25

Local clock offset: -7.27 ms

Remote clock offset: 9.732 ms

Below is generated by plot.py at 2018-08-01 19:49:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.94 Mbit/s

95th percentile per-packet one-way delay: 81.600 ms

Loss rate: 2.06%

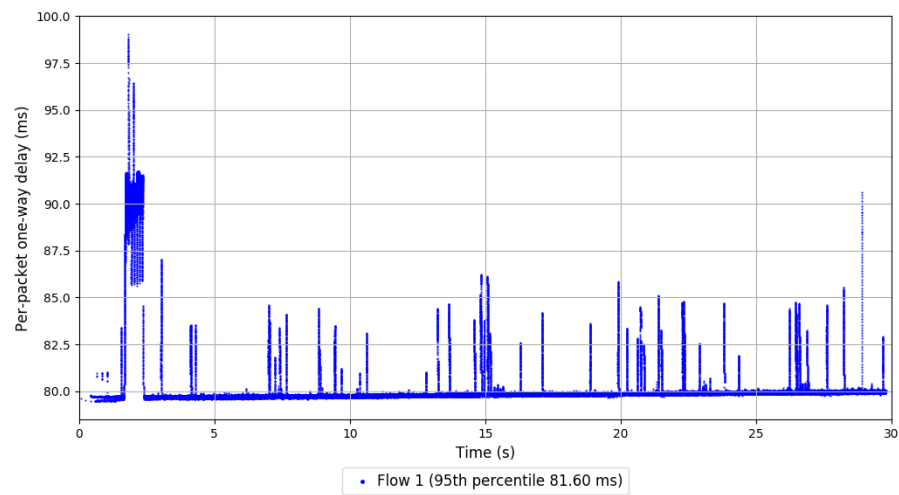
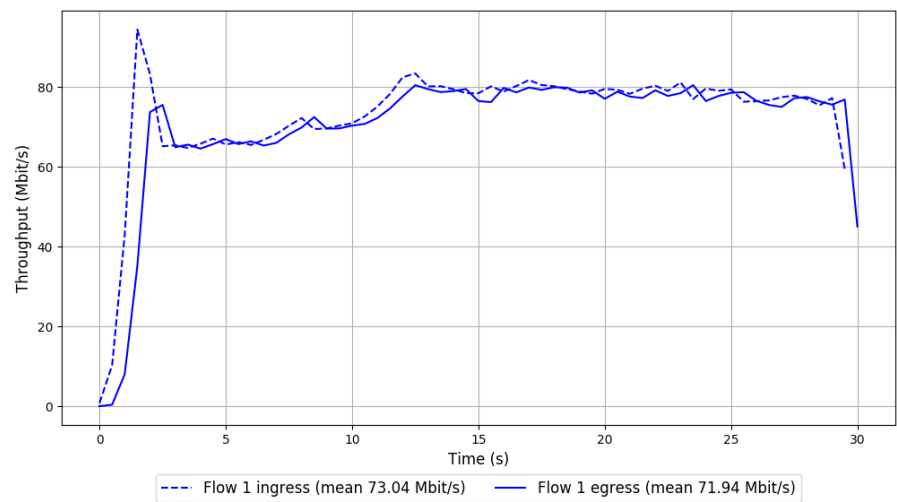
-- Flow 1:

Average throughput: 71.94 Mbit/s

95th percentile per-packet one-way delay: 81.600 ms

Loss rate: 2.06%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-08-01 17:26:50

End at: 2018-08-01 17:27:20

Local clock offset: -7.106 ms

Remote clock offset: 11.023 ms

Below is generated by plot.py at 2018-08-01 19:49:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.96 Mbit/s

95th percentile per-packet one-way delay: 93.395 ms

Loss rate: 0.84%

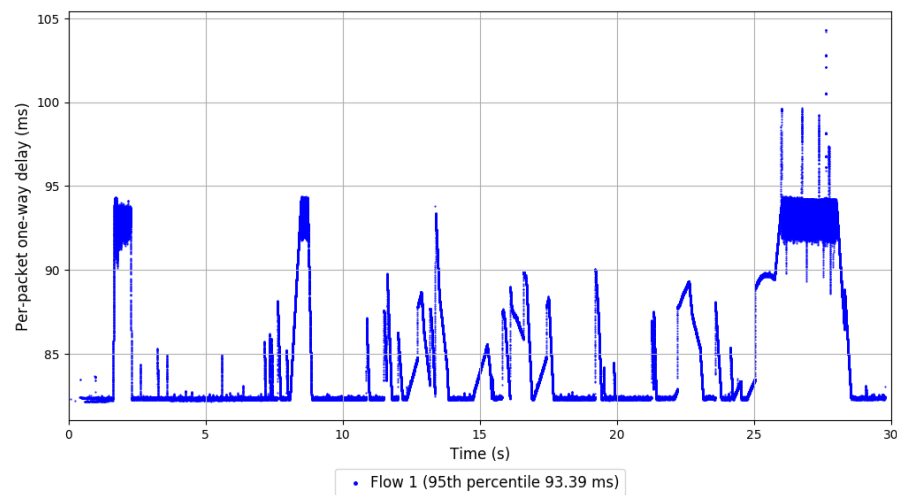
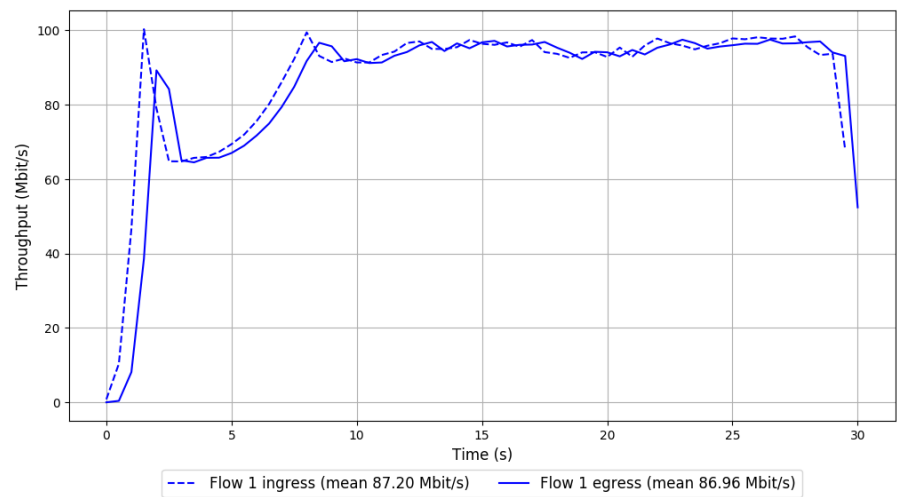
-- Flow 1:

Average throughput: 86.96 Mbit/s

95th percentile per-packet one-way delay: 93.395 ms

Loss rate: 0.84%

Run 4: Report of PCC-Allegro — Data Link

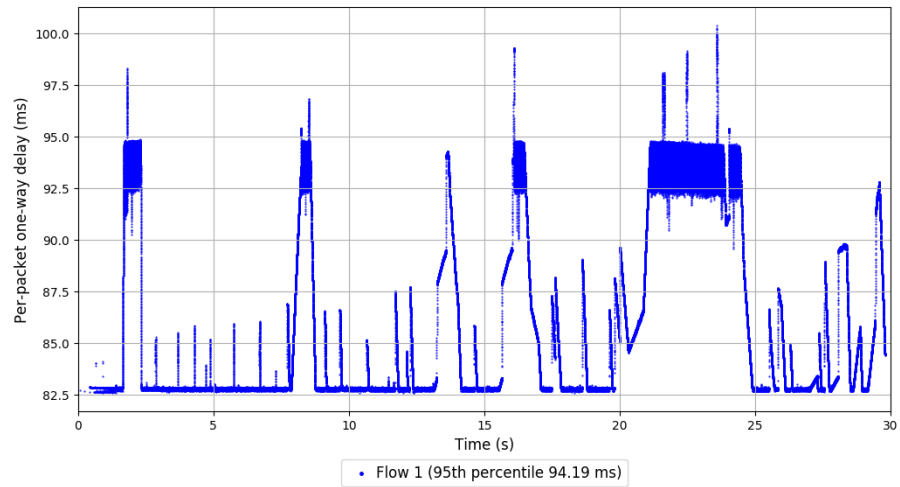
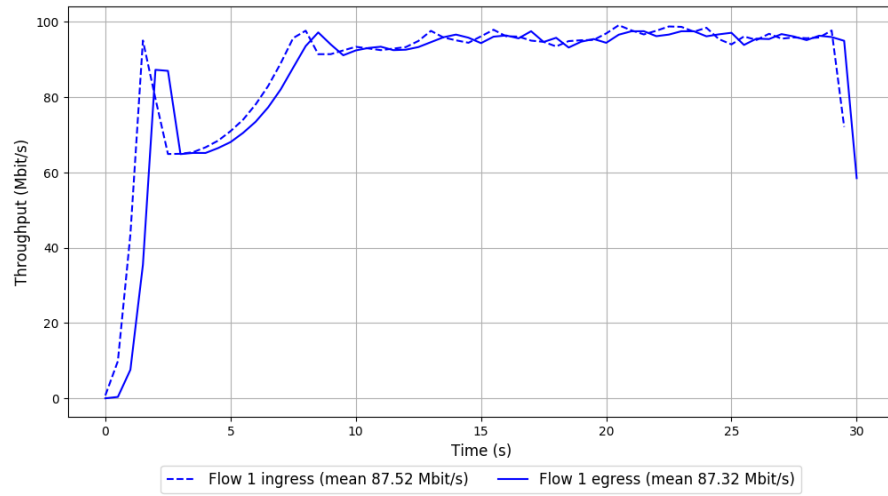


Run 5: Statistics of PCC-Allegro

Start at: 2018-08-01 17:46:56
End at: 2018-08-01 17:47:26
Local clock offset: -6.619 ms
Remote clock offset: 10.599 ms

Below is generated by plot.py at 2018-08-01 19:49:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.32 Mbit/s
95th percentile per-packet one-way delay: 94.194 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 87.32 Mbit/s
95th percentile per-packet one-way delay: 94.194 ms
Loss rate: 0.79%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-08-01 18:06:59

End at: 2018-08-01 18:07:29

Local clock offset: -6.74 ms

Remote clock offset: 13.896 ms

Below is generated by plot.py at 2018-08-01 19:49:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.35 Mbit/s

95th percentile per-packet one-way delay: 89.819 ms

Loss rate: 0.69%

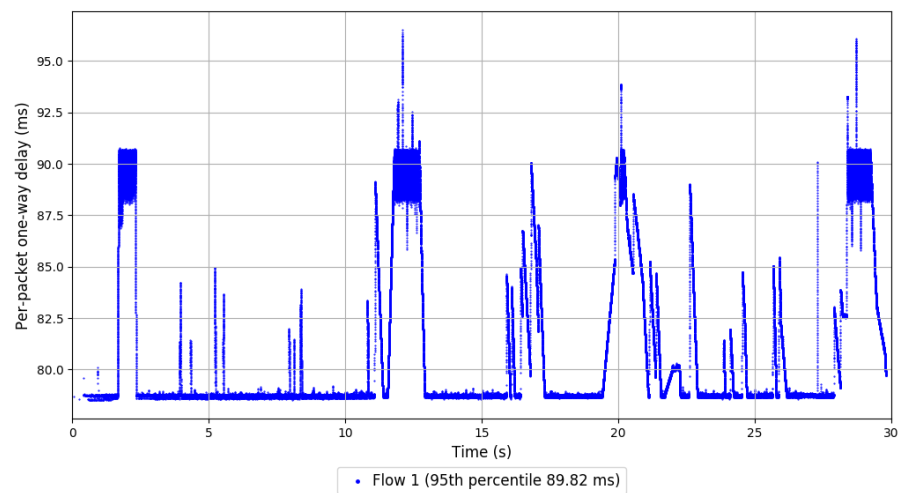
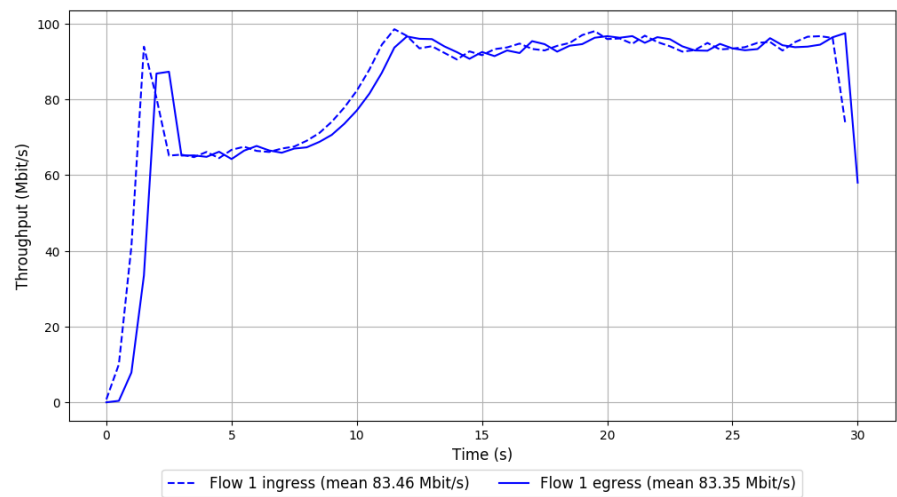
-- Flow 1:

Average throughput: 83.35 Mbit/s

95th percentile per-packet one-way delay: 89.819 ms

Loss rate: 0.69%

Run 6: Report of PCC-Allegro — Data Link

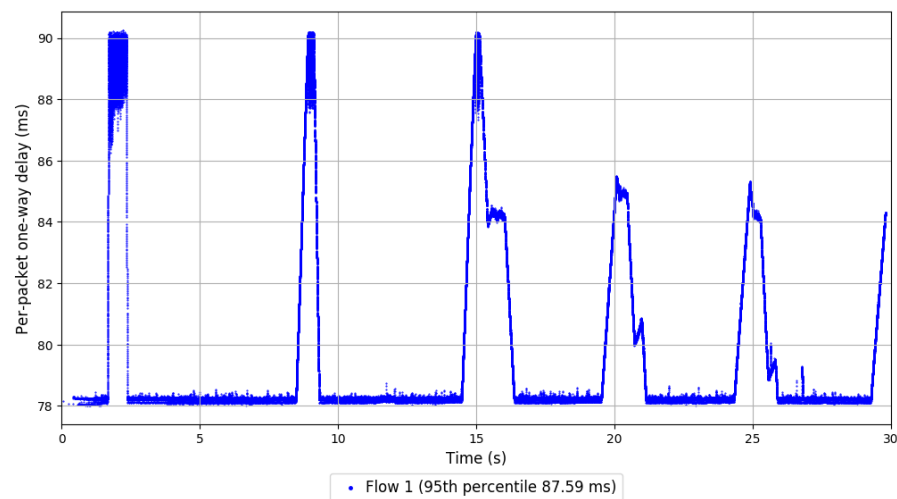
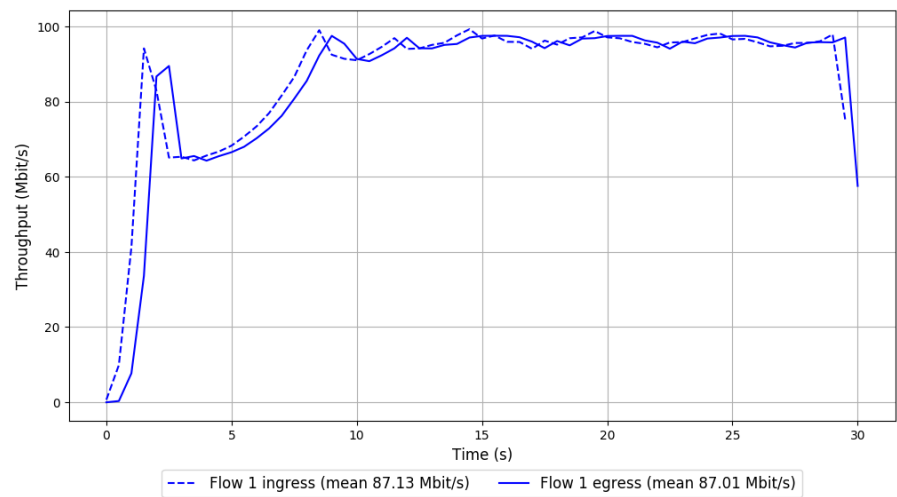


Run 7: Statistics of PCC-Allegro

Start at: 2018-08-01 18:27:05
End at: 2018-08-01 18:27:35
Local clock offset: -6.721 ms
Remote clock offset: 13.929 ms

Below is generated by plot.py at 2018-08-01 19:49:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.01 Mbit/s
95th percentile per-packet one-way delay: 87.587 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 87.01 Mbit/s
95th percentile per-packet one-way delay: 87.587 ms
Loss rate: 0.69%

Run 7: Report of PCC-Allegro — Data Link

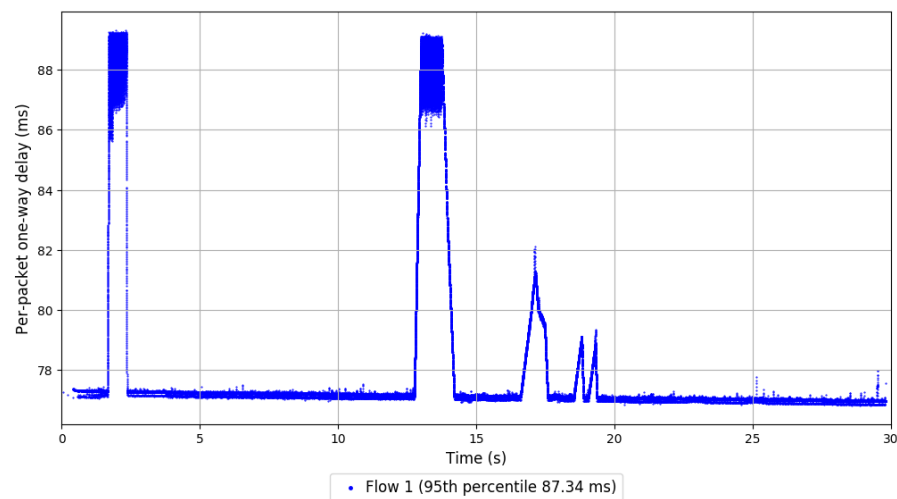
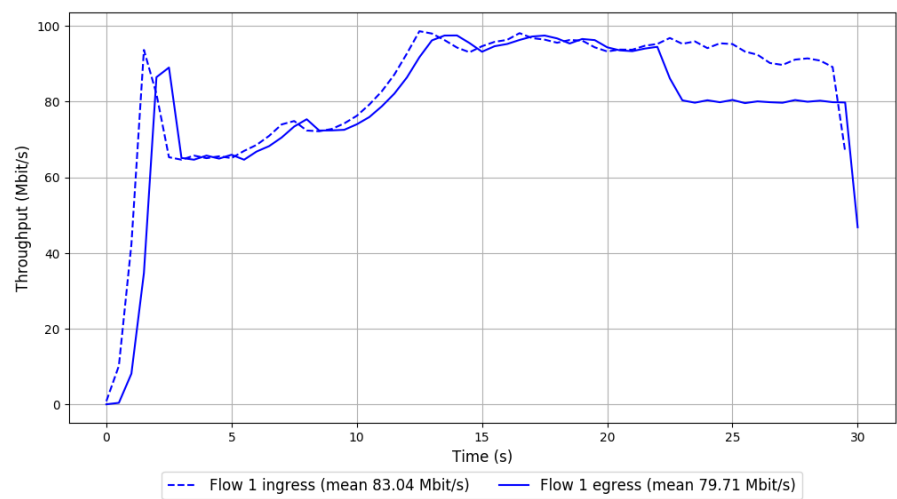


Run 8: Statistics of PCC-Allegro

Start at: 2018-08-01 18:46:59
End at: 2018-08-01 18:47:29
Local clock offset: -6.685 ms
Remote clock offset: 13.535 ms

Below is generated by plot.py at 2018-08-01 19:49:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.71 Mbit/s
95th percentile per-packet one-way delay: 87.342 ms
Loss rate: 4.54%
-- Flow 1:
Average throughput: 79.71 Mbit/s
95th percentile per-packet one-way delay: 87.342 ms
Loss rate: 4.54%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-08-01 19:06:56

End at: 2018-08-01 19:07:26

Local clock offset: -6.661 ms

Remote clock offset: 3.187 ms

Below is generated by plot.py at 2018-08-01 19:50:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.66 Mbit/s

95th percentile per-packet one-way delay: 81.362 ms

Loss rate: 1.58%

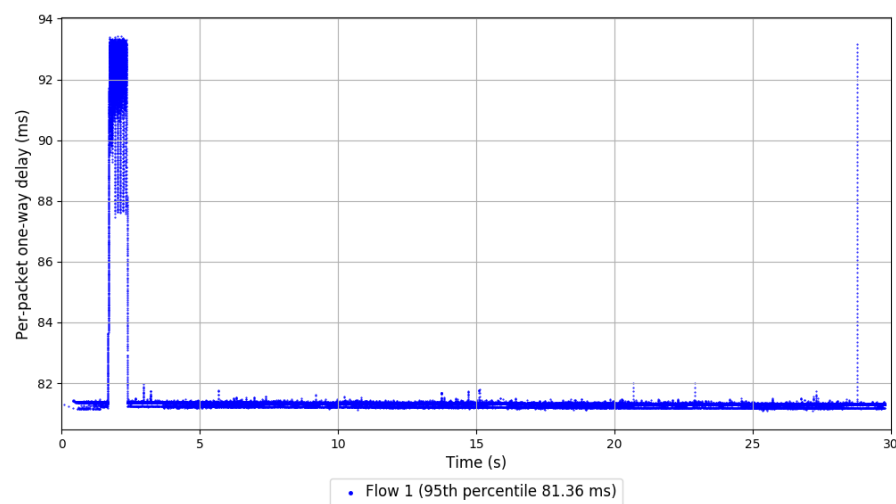
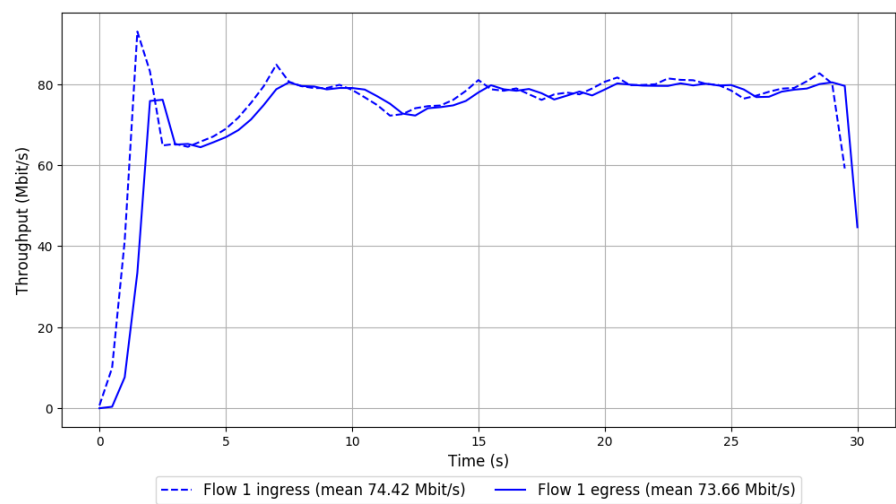
-- Flow 1:

Average throughput: 73.66 Mbit/s

95th percentile per-packet one-way delay: 81.362 ms

Loss rate: 1.58%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-08-01 19:26:54

End at: 2018-08-01 19:27:24

Local clock offset: -6.371 ms

Remote clock offset: 10.79 ms

Below is generated by plot.py at 2018-08-01 19:50:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.89 Mbit/s

95th percentile per-packet one-way delay: 90.617 ms

Loss rate: 0.66%

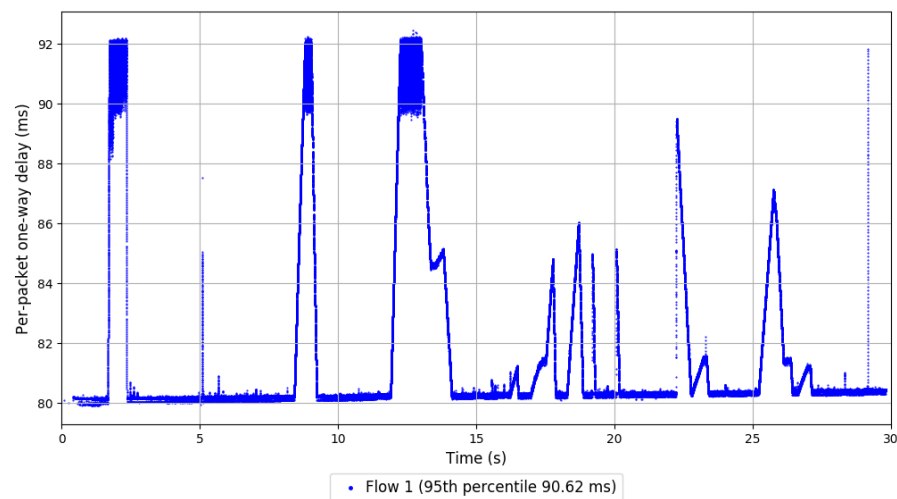
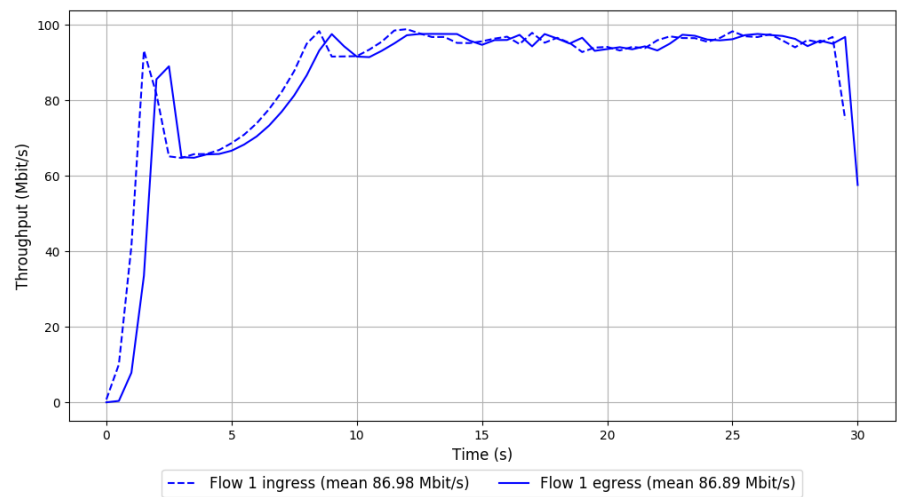
-- Flow 1:

Average throughput: 86.89 Mbit/s

95th percentile per-packet one-way delay: 90.617 ms

Loss rate: 0.66%

Run 10: Report of PCC-Allegro — Data Link

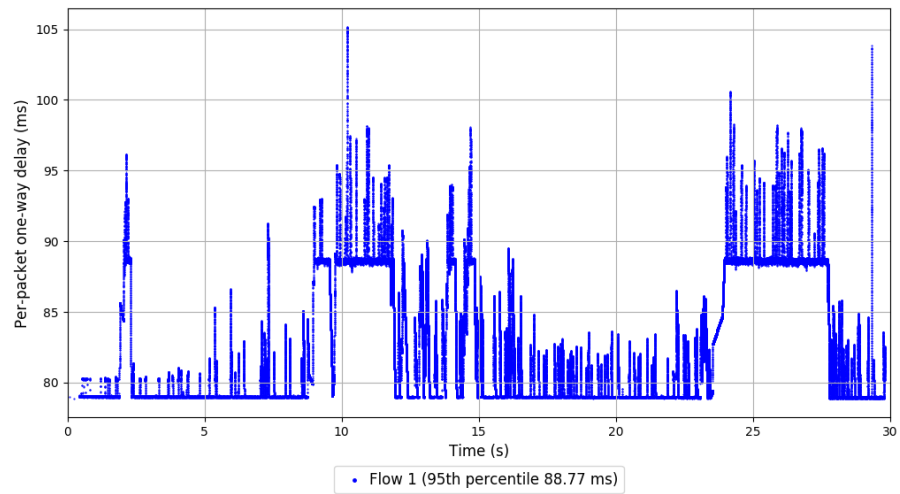
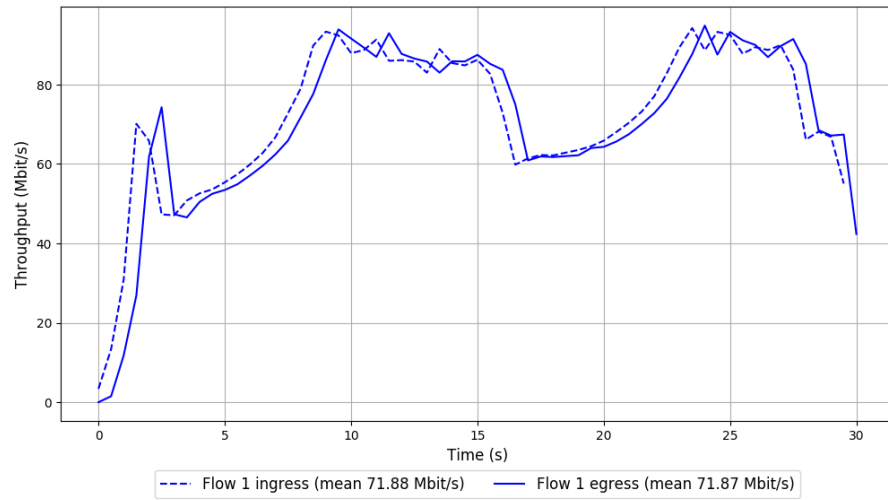


```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-01 16:32:56
End at: 2018-08-01 16:33:26
Local clock offset: -7.467 ms
Remote clock offset: 9.553 ms

# Below is generated by plot.py at 2018-08-01 19:51:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.87 Mbit/s
95th percentile per-packet one-way delay: 88.773 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 71.87 Mbit/s
95th percentile per-packet one-way delay: 88.773 ms
Loss rate: 0.58%
```


Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-08-01 16:52:52

End at: 2018-08-01 16:53:22

Local clock offset: -7.421 ms

Remote clock offset: 4.021 ms

Below is generated by plot.py at 2018-08-01 19:51:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.68 Mbit/s

95th percentile per-packet one-way delay: 93.632 ms

Loss rate: 0.65%

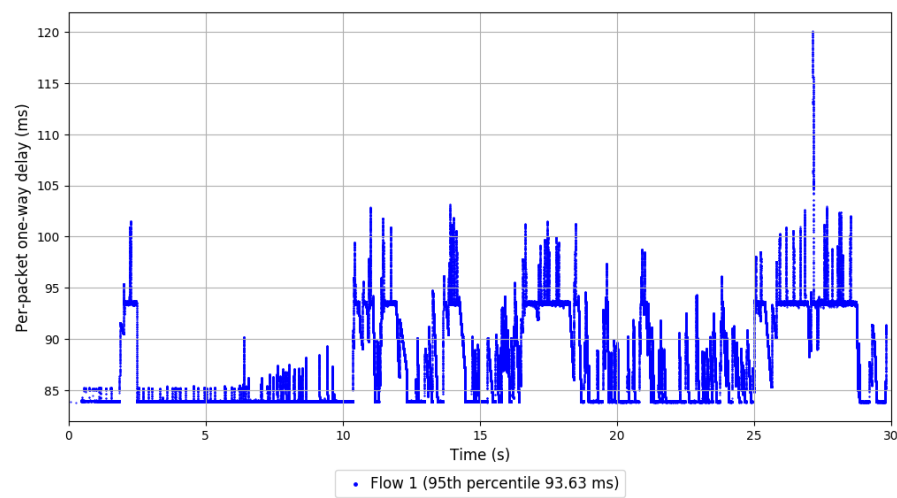
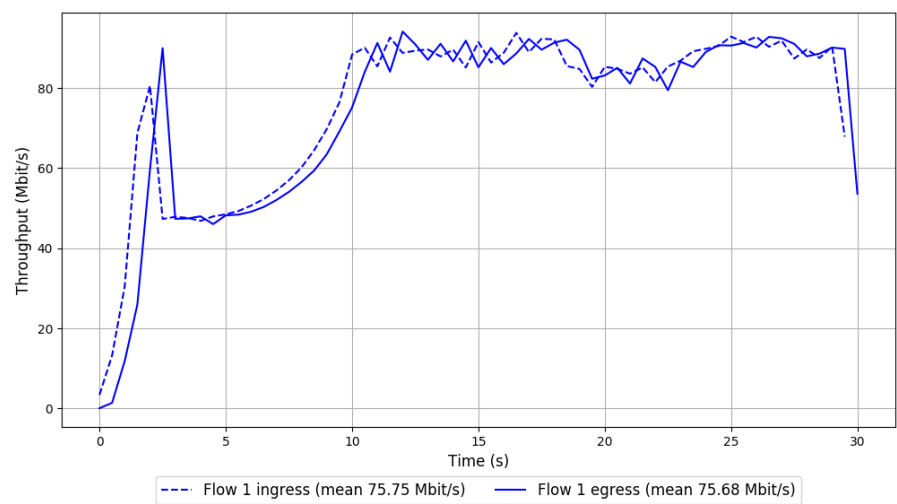
-- Flow 1:

Average throughput: 75.68 Mbit/s

95th percentile per-packet one-way delay: 93.632 ms

Loss rate: 0.65%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-08-01 17:12:47

End at: 2018-08-01 17:13:17

Local clock offset: -7.363 ms

Remote clock offset: 7.996 ms

Below is generated by plot.py at 2018-08-01 19:51:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.96 Mbit/s

95th percentile per-packet one-way delay: 92.383 ms

Loss rate: 0.88%

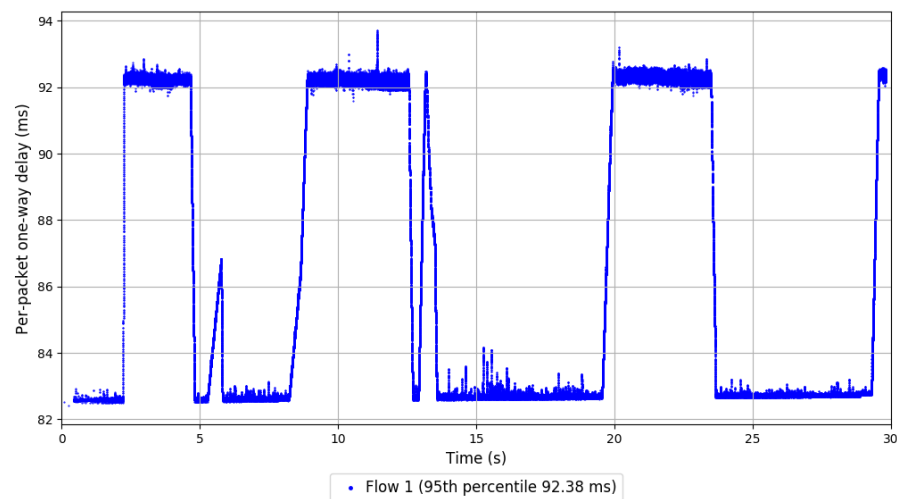
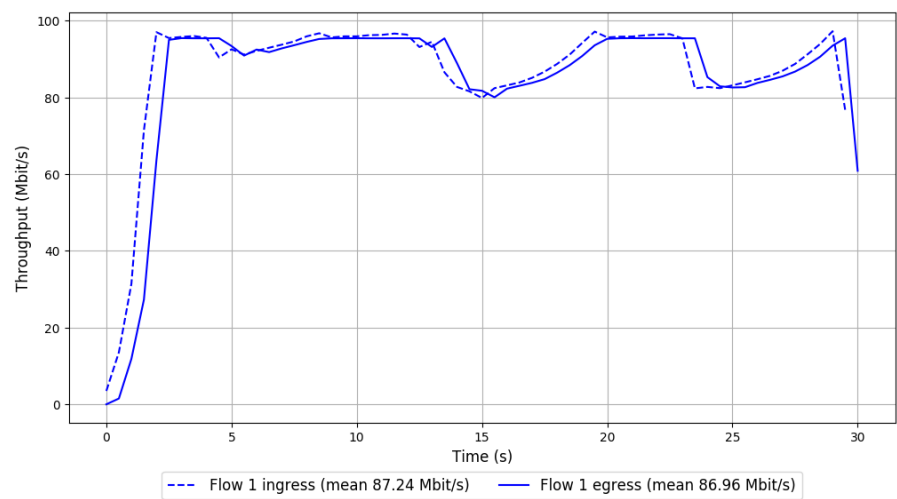
-- Flow 1:

Average throughput: 86.96 Mbit/s

95th percentile per-packet one-way delay: 92.383 ms

Loss rate: 0.88%

Run 3: Report of PCC-Expr — Data Link

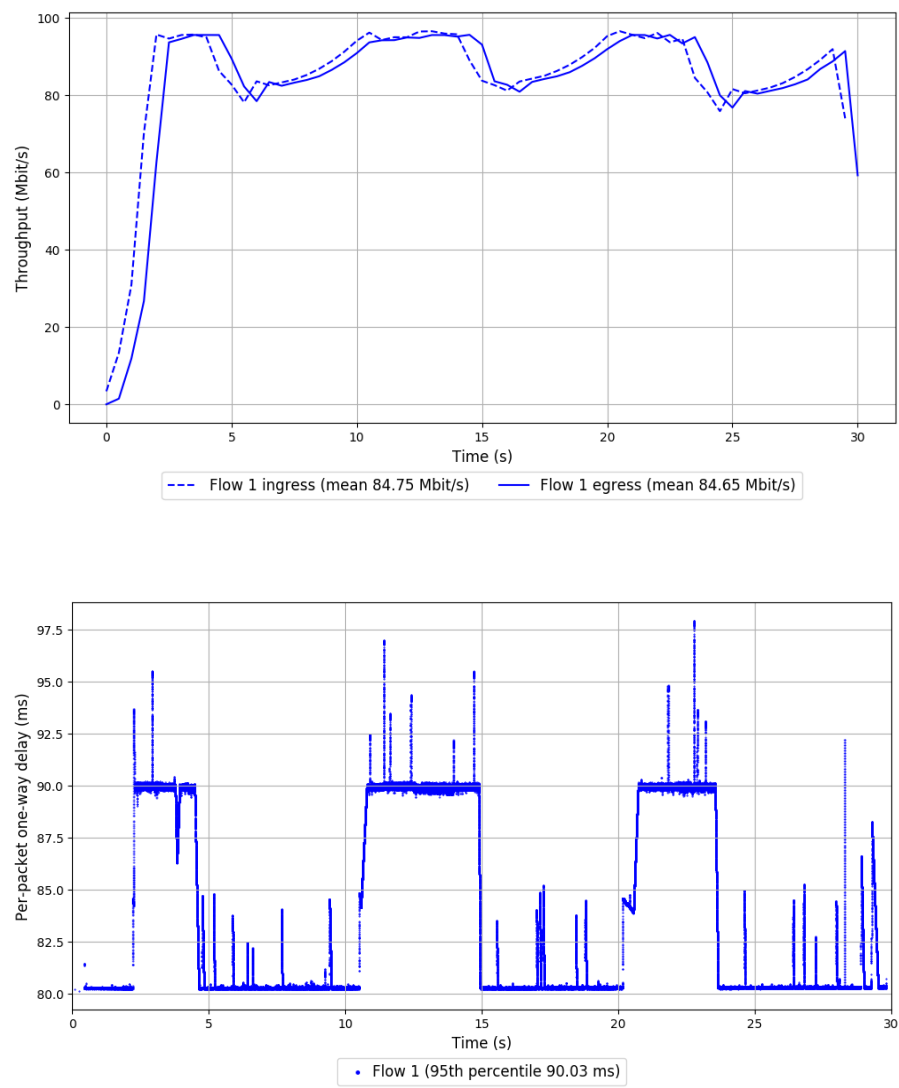


Run 4: Statistics of PCC-Expr

Start at: 2018-08-01 17:32:43
End at: 2018-08-01 17:33:13
Local clock offset: -6.774 ms
Remote clock offset: 16.805 ms

Below is generated by plot.py at 2018-08-01 19:51:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.65 Mbit/s
95th percentile per-packet one-way delay: 90.028 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 84.65 Mbit/s
95th percentile per-packet one-way delay: 90.028 ms
Loss rate: 0.68%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-08-01 17:52:47

End at: 2018-08-01 17:53:17

Local clock offset: -6.649 ms

Remote clock offset: 15.02 ms

Below is generated by plot.py at 2018-08-01 19:51:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.37 Mbit/s

95th percentile per-packet one-way delay: 87.532 ms

Loss rate: 0.66%

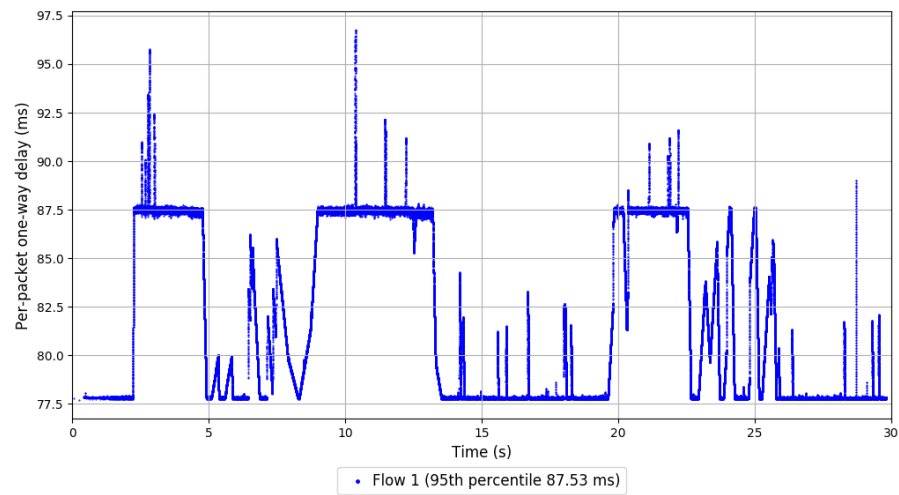
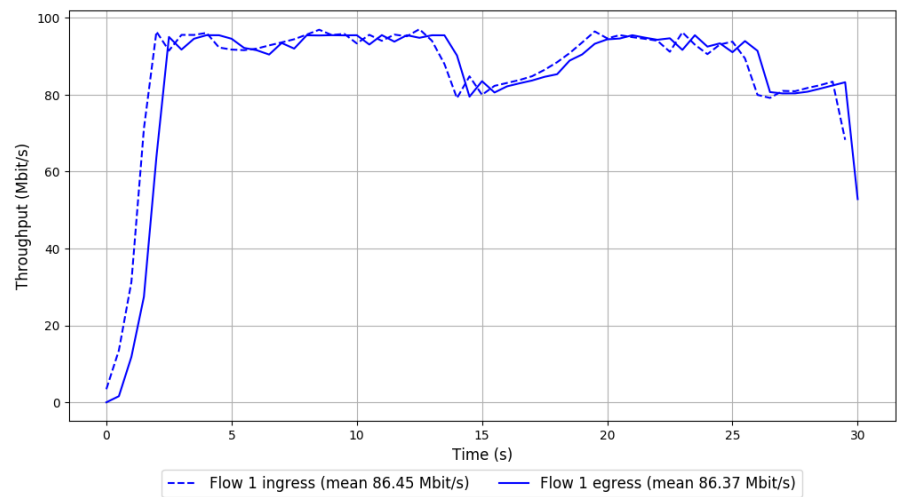
-- Flow 1:

Average throughput: 86.37 Mbit/s

95th percentile per-packet one-way delay: 87.532 ms

Loss rate: 0.66%

Run 5: Report of PCC-Expr — Data Link

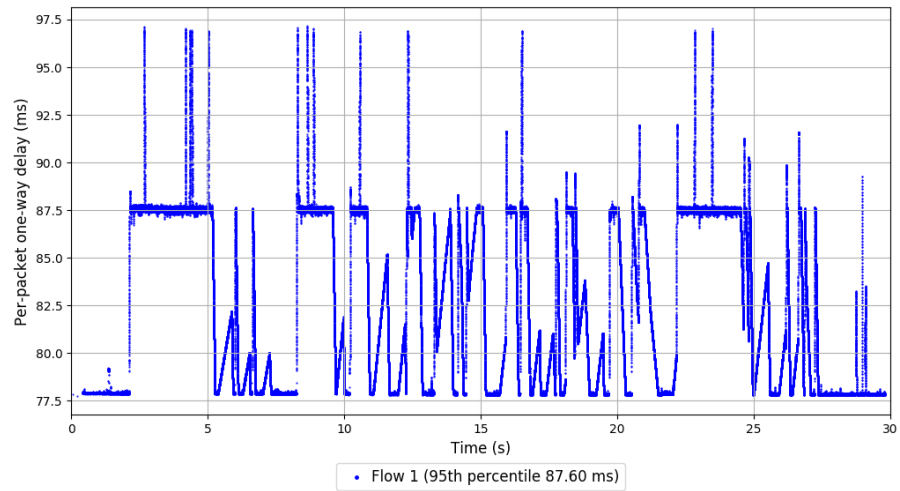
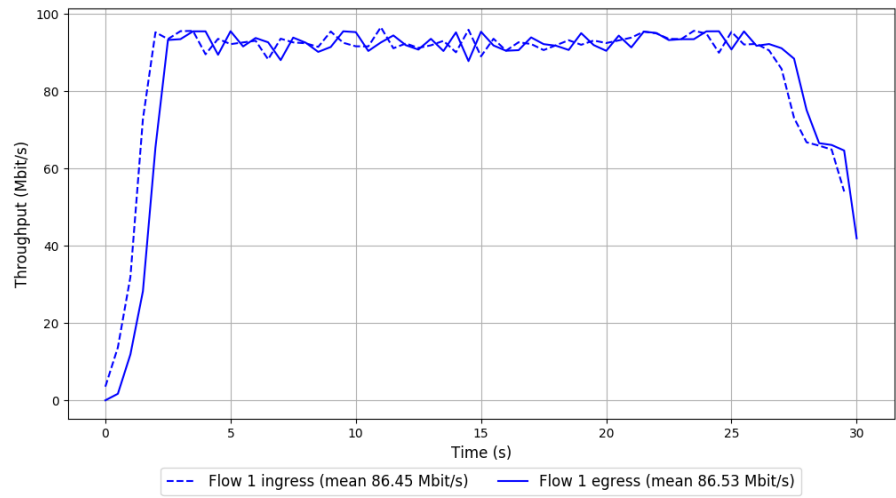


Run 6: Statistics of PCC-Expr

Start at: 2018-08-01 18:12:51
End at: 2018-08-01 18:13:21
Local clock offset: -6.724 ms
Remote clock offset: 15.186 ms

Below is generated by plot.py at 2018-08-01 19:51:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.53 Mbit/s
95th percentile per-packet one-way delay: 87.603 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 86.53 Mbit/s
95th percentile per-packet one-way delay: 87.603 ms
Loss rate: 0.46%

Run 6: Report of PCC-Expr — Data Link

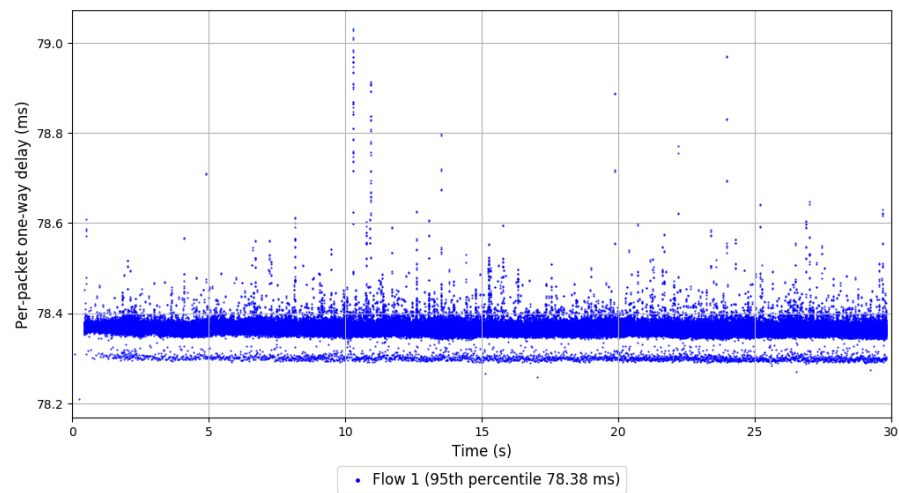
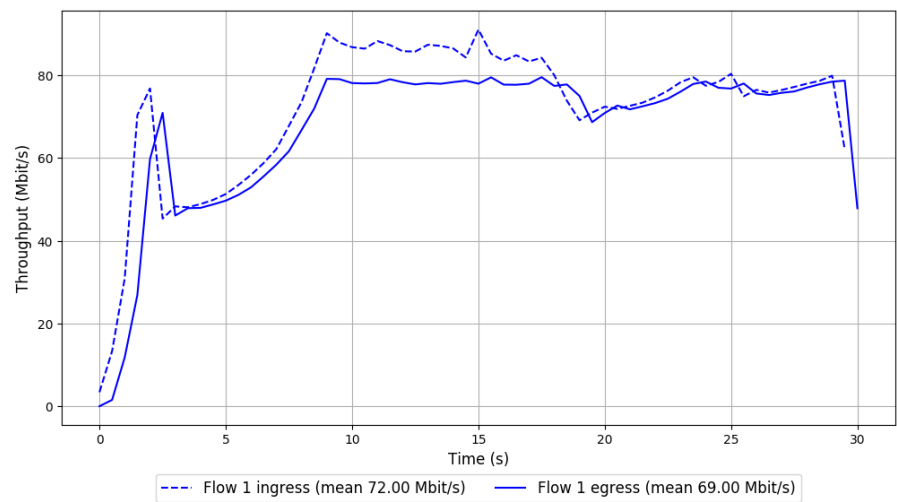


Run 7: Statistics of PCC-Expr

Start at: 2018-08-01 18:32:57
End at: 2018-08-01 18:33:27
Local clock offset: -6.685 ms
Remote clock offset: 13.874 ms

Below is generated by plot.py at 2018-08-01 19:51:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.00 Mbit/s
95th percentile per-packet one-way delay: 78.377 ms
Loss rate: 4.71%
-- Flow 1:
Average throughput: 69.00 Mbit/s
95th percentile per-packet one-way delay: 78.377 ms
Loss rate: 4.71%

Run 7: Report of PCC-Expr — Data Link

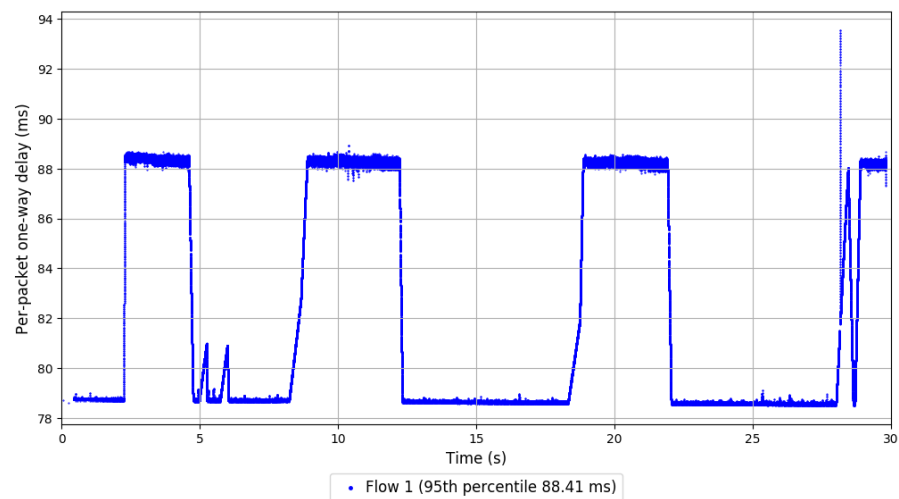
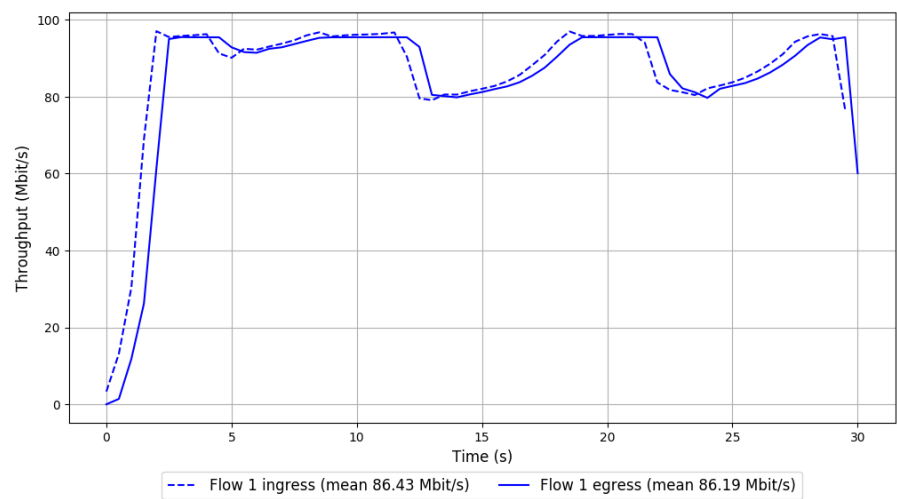


Run 8: Statistics of PCC-Expr

Start at: 2018-08-01 18:52:51
End at: 2018-08-01 18:53:21
Local clock offset: -6.696 ms
Remote clock offset: 11.566 ms

Below is generated by plot.py at 2018-08-01 19:52:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.19 Mbit/s
95th percentile per-packet one-way delay: 88.411 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 86.19 Mbit/s
95th percentile per-packet one-way delay: 88.411 ms
Loss rate: 0.85%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-08-01 19:12:49

End at: 2018-08-01 19:13:19

Local clock offset: -6.626 ms

Remote clock offset: 1.375 ms

Below is generated by plot.py at 2018-08-01 19:53:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.83 Mbit/s

95th percentile per-packet one-way delay: 94.659 ms

Loss rate: 0.89%

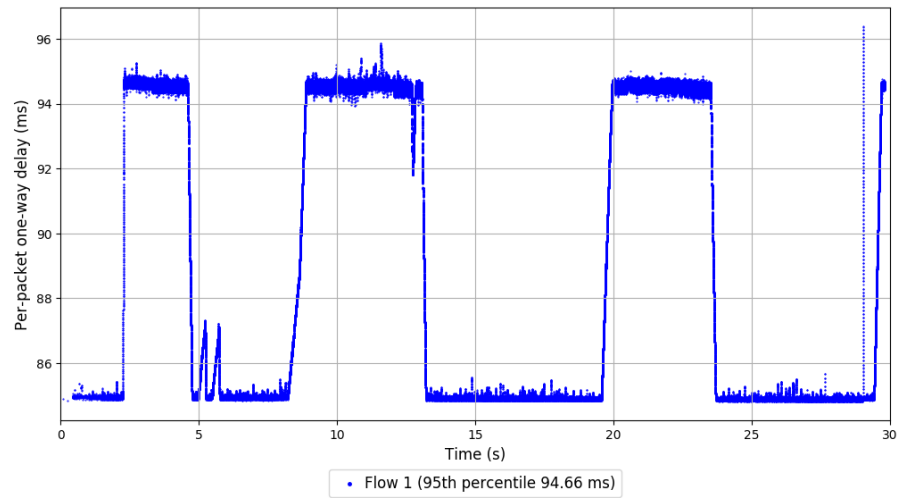
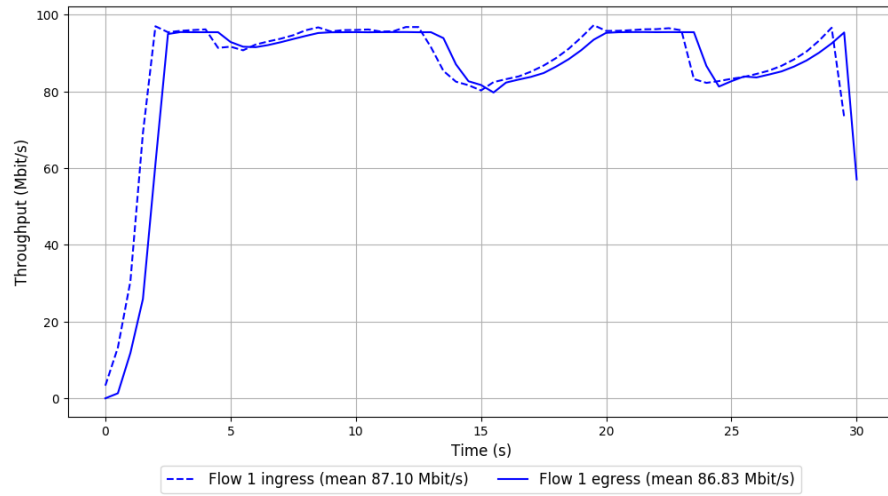
-- Flow 1:

Average throughput: 86.83 Mbit/s

95th percentile per-packet one-way delay: 94.659 ms

Loss rate: 0.89%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-08-01 19:32:44

End at: 2018-08-01 19:33:14

Local clock offset: -6.179 ms

Remote clock offset: 8.772 ms

Below is generated by plot.py at 2018-08-01 19:53:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.25 Mbit/s

95th percentile per-packet one-way delay: 92.289 ms

Loss rate: 1.17%

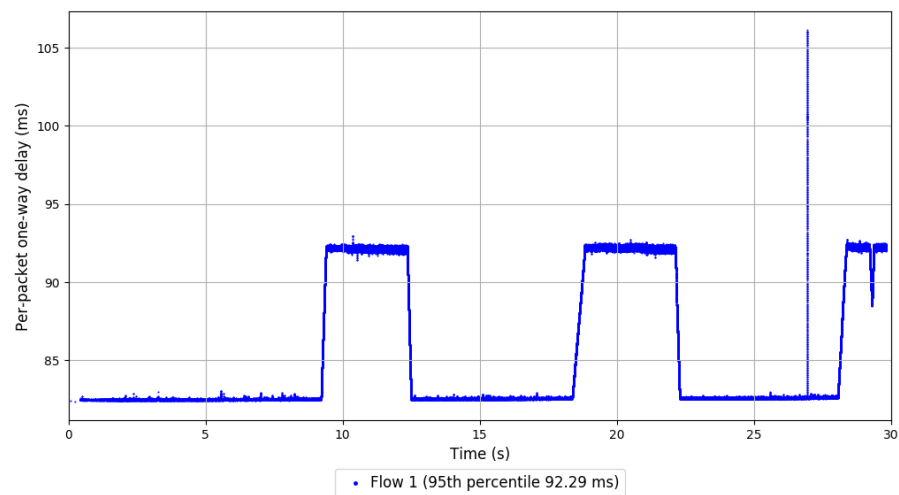
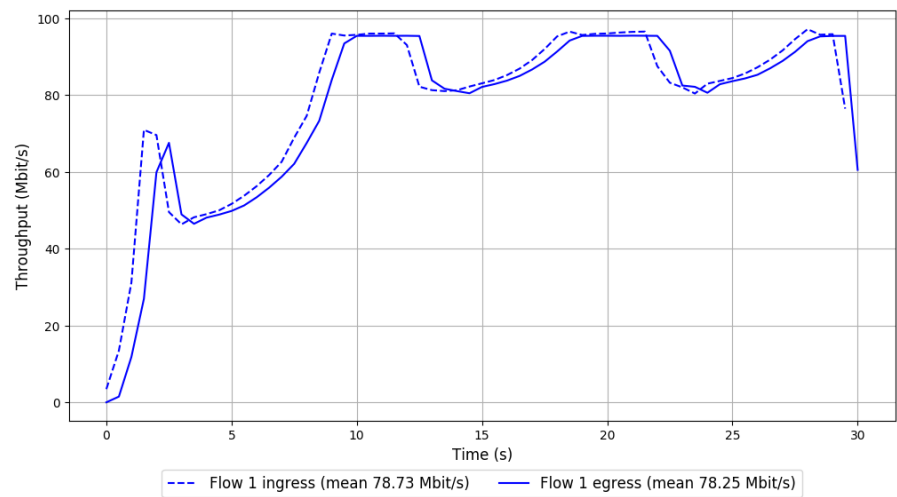
-- Flow 1:

Average throughput: 78.25 Mbit/s

95th percentile per-packet one-way delay: 92.289 ms

Loss rate: 1.17%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-08-01 16:17:50

End at: 2018-08-01 16:18:20

Local clock offset: -8.833 ms

Remote clock offset: 3.778 ms

Below is generated by plot.py at 2018-08-01 19:53:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.73 Mbit/s

95th percentile per-packet one-way delay: 93.340 ms

Loss rate: 0.75%

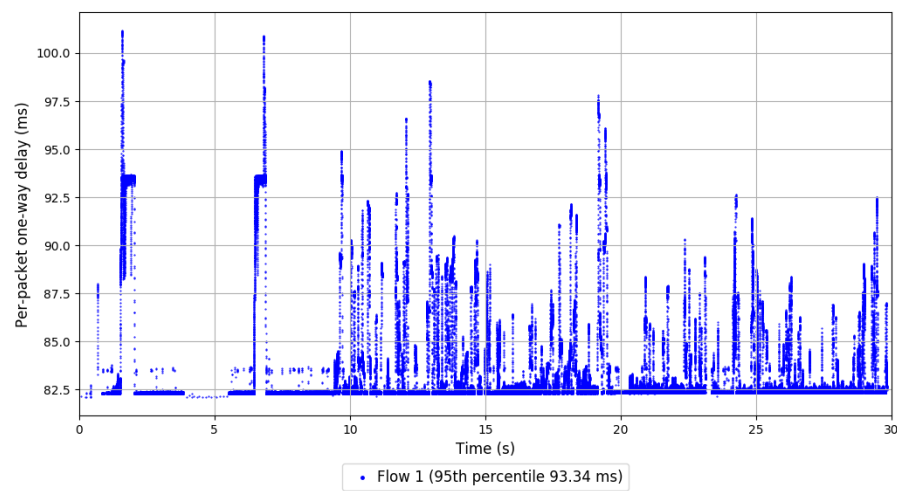
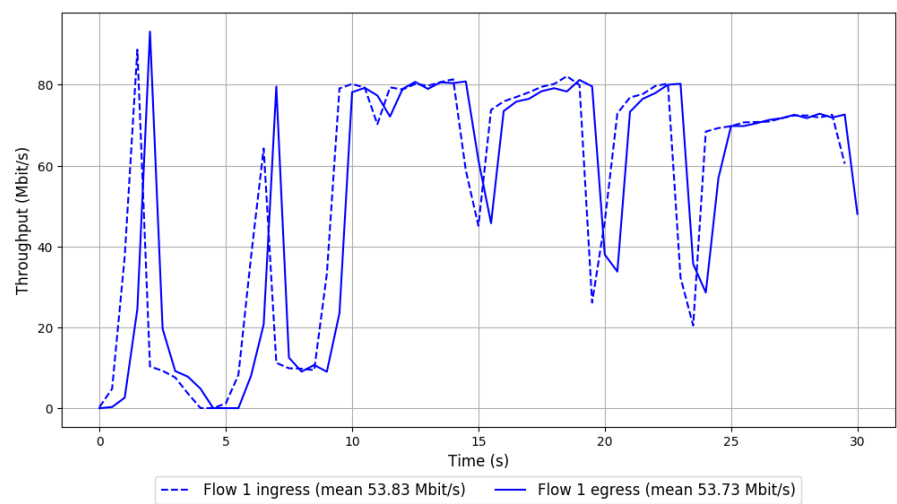
-- Flow 1:

Average throughput: 53.73 Mbit/s

95th percentile per-packet one-way delay: 93.340 ms

Loss rate: 0.75%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-08-01 16:37:42

End at: 2018-08-01 16:38:12

Local clock offset: -7.304 ms

Remote clock offset: 4.286 ms

Below is generated by plot.py at 2018-08-01 19:53:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.86 Mbit/s

95th percentile per-packet one-way delay: 95.116 ms

Loss rate: 0.99%

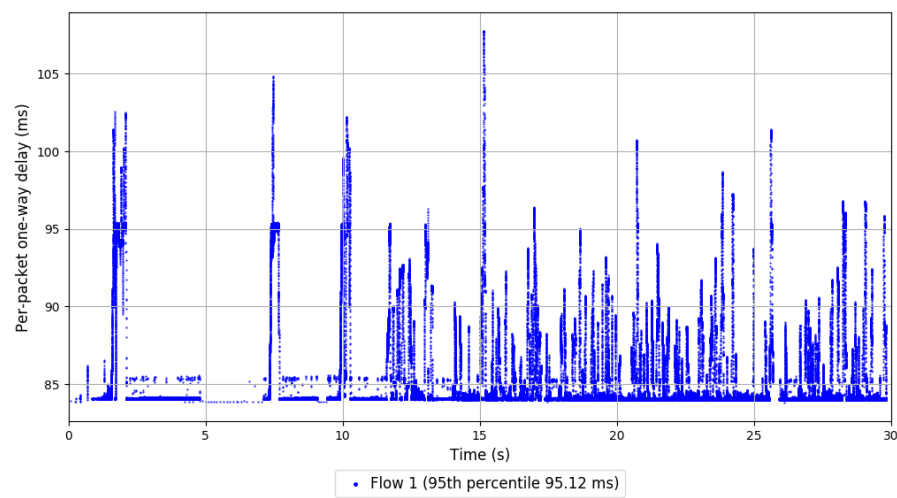
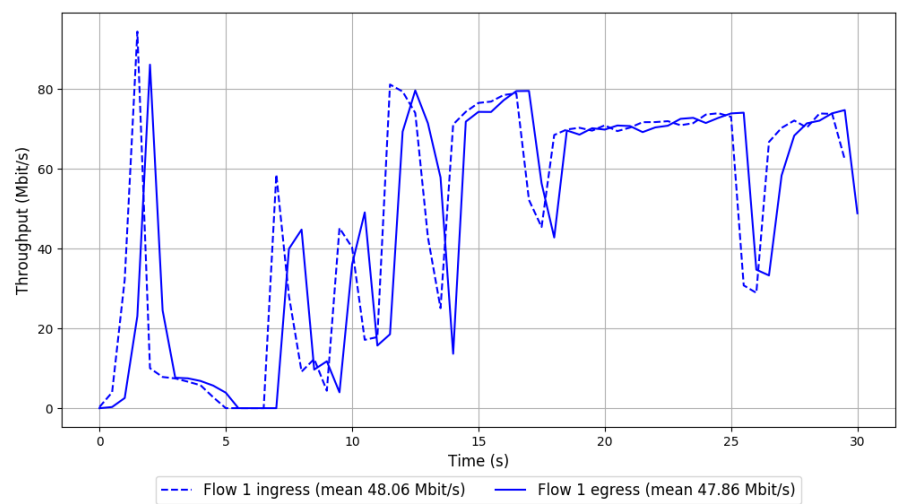
-- Flow 1:

Average throughput: 47.86 Mbit/s

95th percentile per-packet one-way delay: 95.116 ms

Loss rate: 0.99%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-08-01 16:57:37

End at: 2018-08-01 16:58:07

Local clock offset: -7.309 ms

Remote clock offset: 7.656 ms

Below is generated by plot.py at 2018-08-01 19:53:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.18 Mbit/s

95th percentile per-packet one-way delay: 90.333 ms

Loss rate: 0.78%

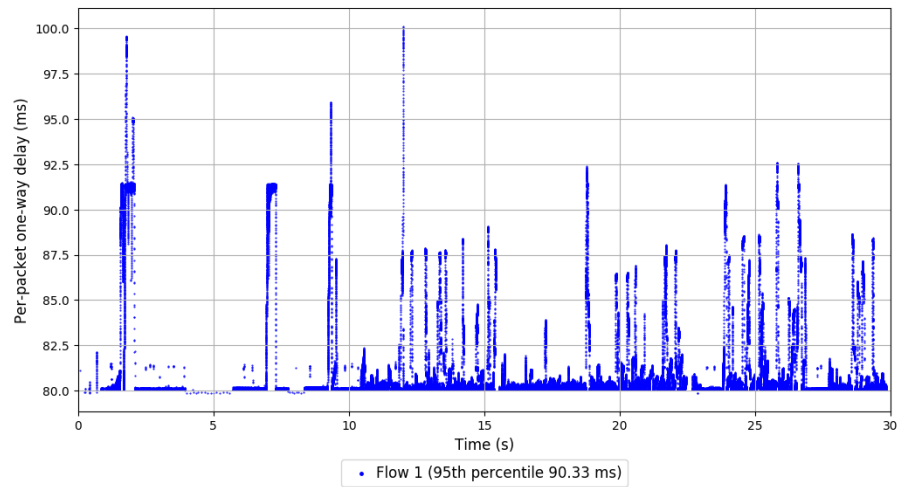
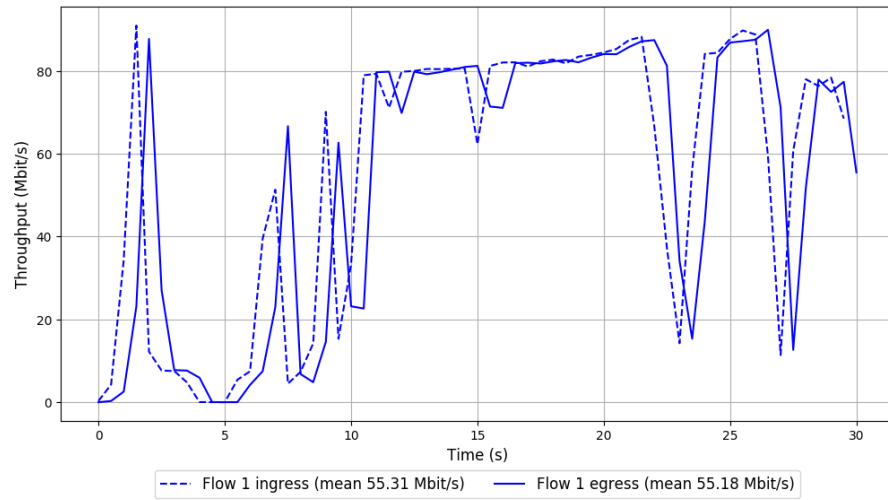
-- Flow 1:

Average throughput: 55.18 Mbit/s

95th percentile per-packet one-way delay: 90.333 ms

Loss rate: 0.78%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-08-01 17:17:32

End at: 2018-08-01 17:18:02

Local clock offset: -7.464 ms

Remote clock offset: 14.229 ms

Below is generated by plot.py at 2018-08-01 19:53:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.07 Mbit/s

95th percentile per-packet one-way delay: 86.692 ms

Loss rate: 0.85%

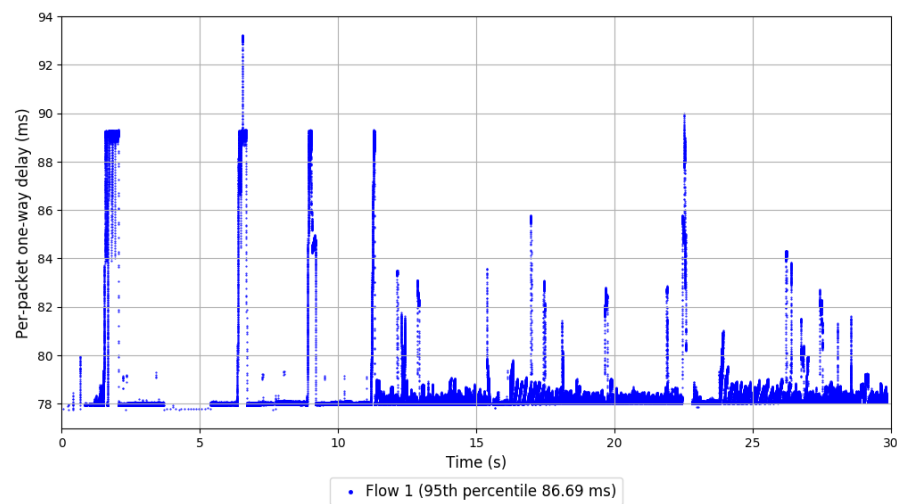
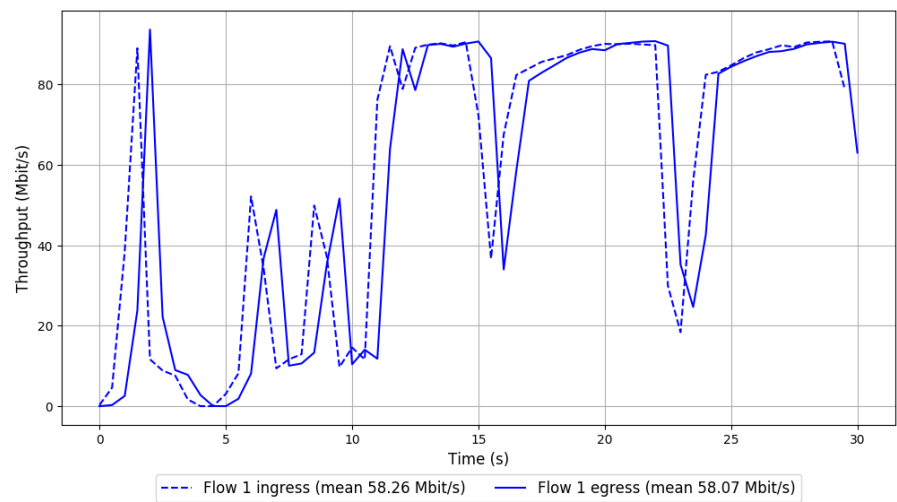
-- Flow 1:

Average throughput: 58.07 Mbit/s

95th percentile per-packet one-way delay: 86.692 ms

Loss rate: 0.85%

Run 4: Report of QUIC Cubic — Data Link

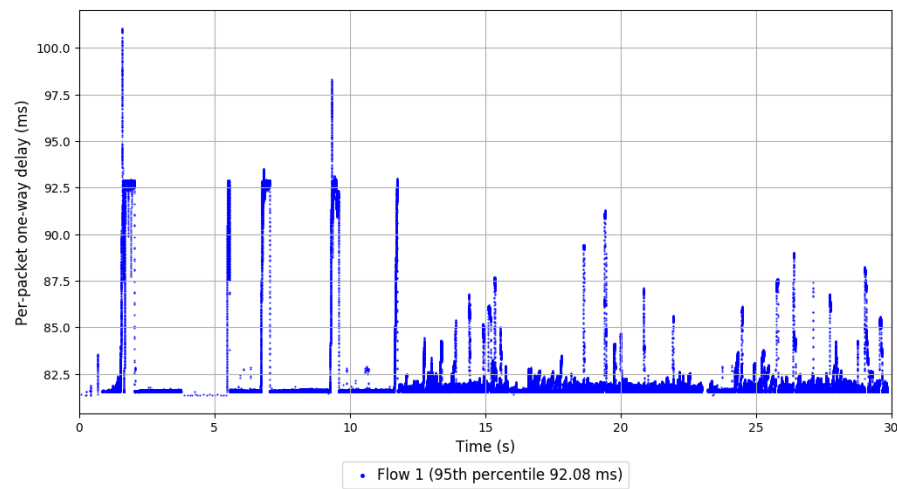
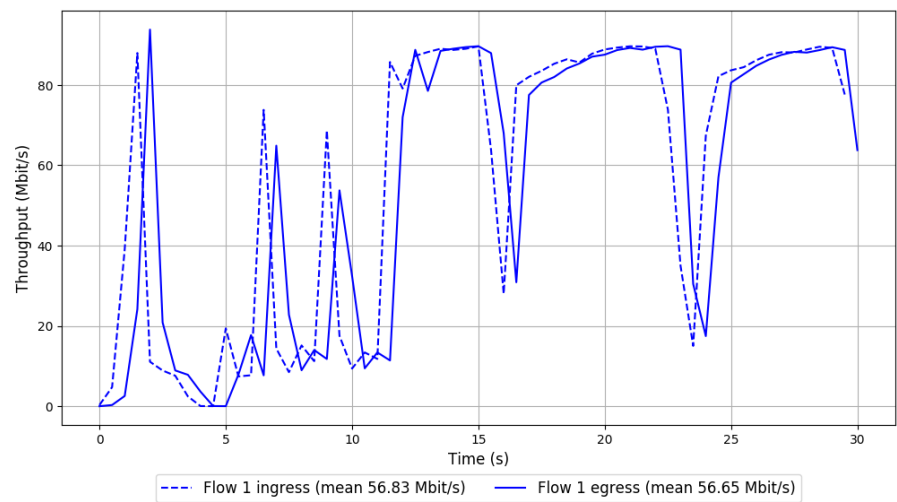


Run 5: Statistics of QUIC Cubic

Start at: 2018-08-01 17:37:37
End at: 2018-08-01 17:38:08
Local clock offset: -6.644 ms
Remote clock offset: 13.548 ms

Below is generated by plot.py at 2018-08-01 19:53:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 56.65 Mbit/s
95th percentile per-packet one-way delay: 92.083 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 56.65 Mbit/s
95th percentile per-packet one-way delay: 92.083 ms
Loss rate: 0.86%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-08-01 17:57:32

End at: 2018-08-01 17:58:02

Local clock offset: -6.629 ms

Remote clock offset: 10.115 ms

Below is generated by plot.py at 2018-08-01 19:53:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.05 Mbit/s

95th percentile per-packet one-way delay: 91.656 ms

Loss rate: 1.73%

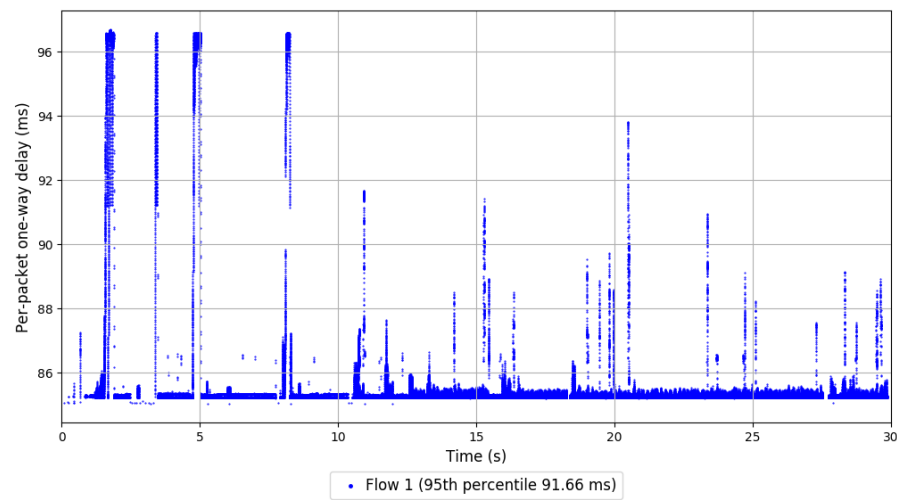
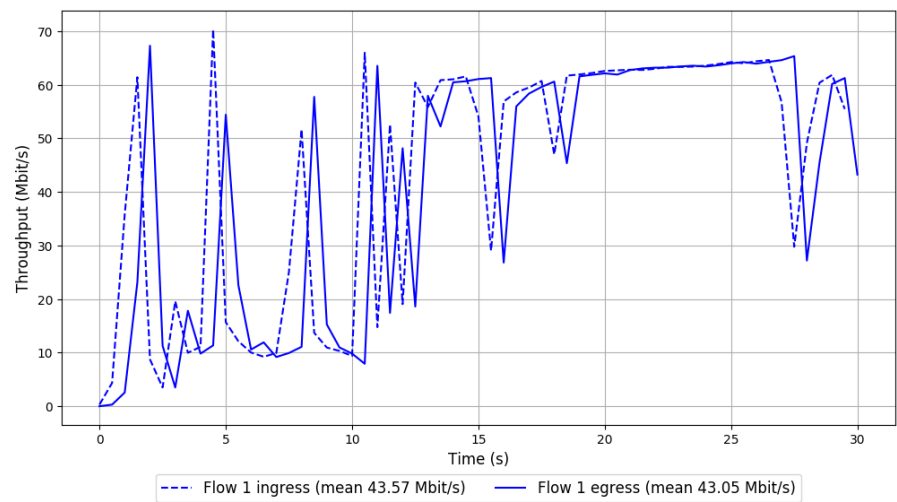
-- Flow 1:

Average throughput: 43.05 Mbit/s

95th percentile per-packet one-way delay: 91.656 ms

Loss rate: 1.73%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-08-01 18:17:46

End at: 2018-08-01 18:18:17

Local clock offset: -6.774 ms

Remote clock offset: 10.726 ms

Below is generated by plot.py at 2018-08-01 19:53:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 45.91 Mbit/s

95th percentile per-packet one-way delay: 82.345 ms

Loss rate: 1.14%

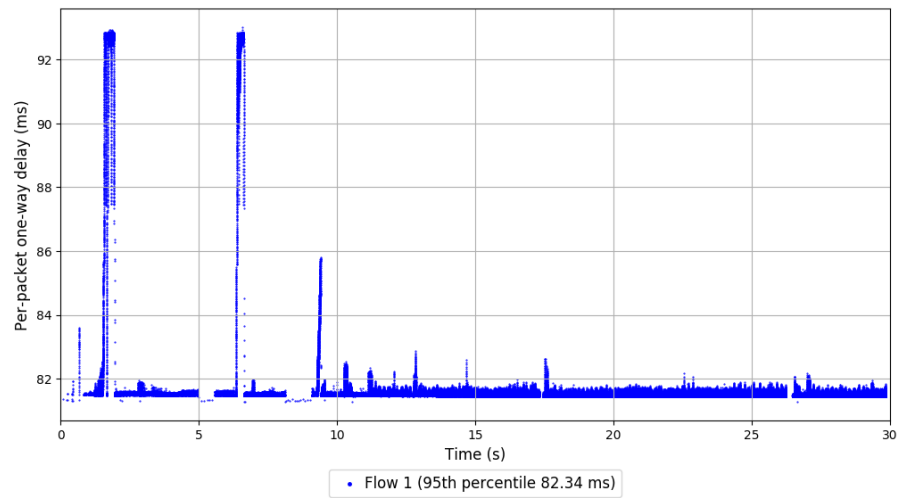
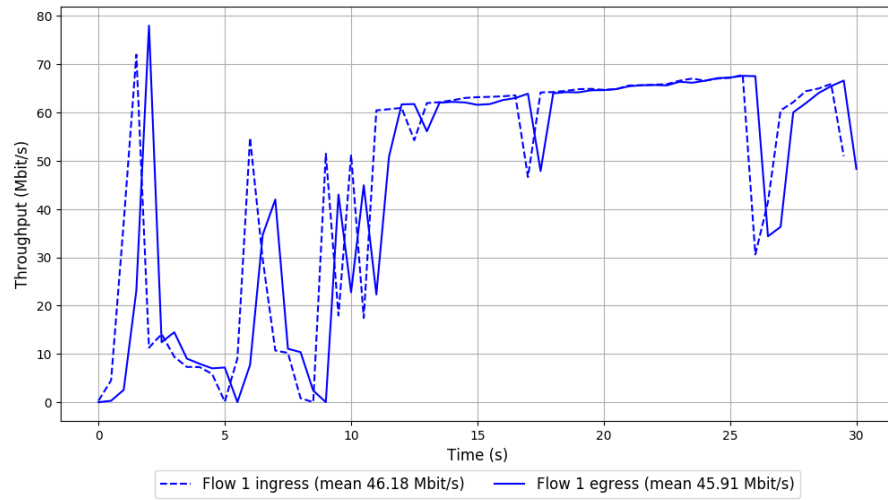
-- Flow 1:

Average throughput: 45.91 Mbit/s

95th percentile per-packet one-way delay: 82.345 ms

Loss rate: 1.14%

Run 7: Report of QUIC Cubic — Data Link

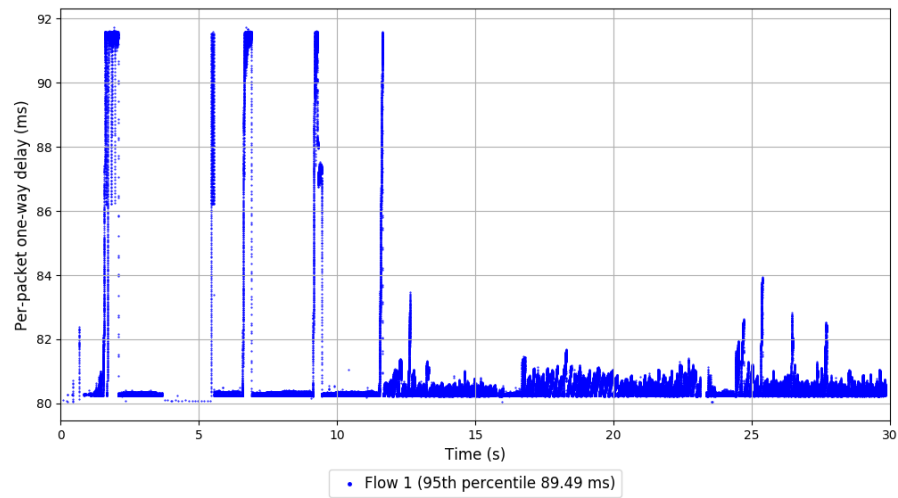
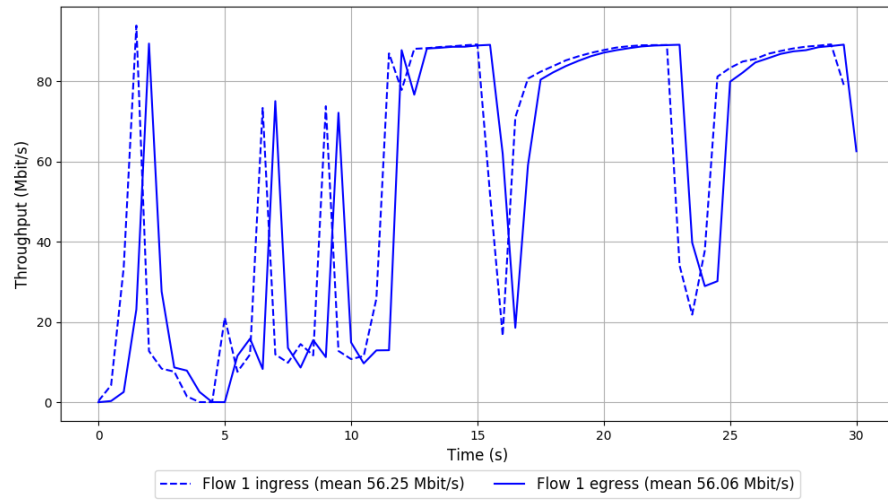


Run 8: Statistics of QUIC Cubic

Start at: 2018-08-01 18:37:41
End at: 2018-08-01 18:38:11
Local clock offset: -6.682 ms
Remote clock offset: 13.998 ms

Below is generated by plot.py at 2018-08-01 19:53:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 56.06 Mbit/s
95th percentile per-packet one-way delay: 89.486 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 56.06 Mbit/s
95th percentile per-packet one-way delay: 89.486 ms
Loss rate: 0.89%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-08-01 18:57:37

End at: 2018-08-01 18:58:07

Local clock offset: -6.653 ms

Remote clock offset: 7.689 ms

Below is generated by plot.py at 2018-08-01 19:53:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.62 Mbit/s

95th percentile per-packet one-way delay: 89.813 ms

Loss rate: 0.87%

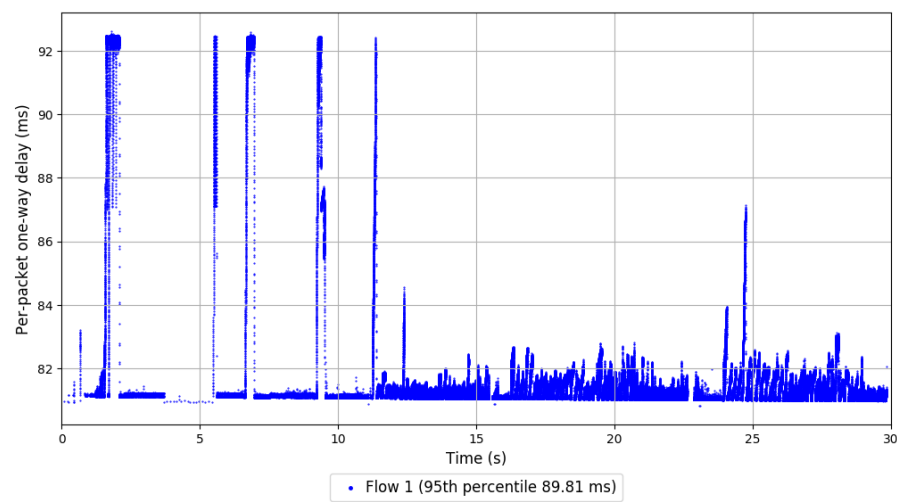
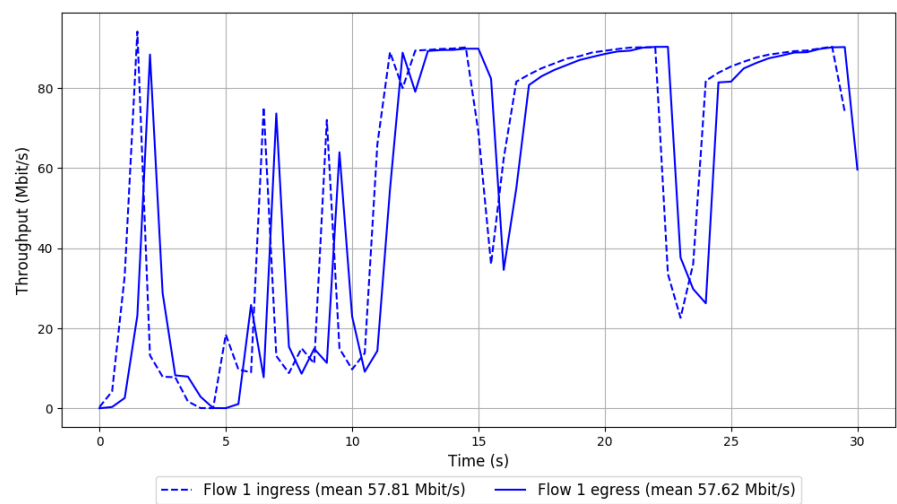
-- Flow 1:

Average throughput: 57.62 Mbit/s

95th percentile per-packet one-way delay: 89.813 ms

Loss rate: 0.87%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-08-01 19:17:35

End at: 2018-08-01 19:18:05

Local clock offset: -6.646 ms

Remote clock offset: 5.669 ms

Below is generated by plot.py at 2018-08-01 19:53:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.74 Mbit/s

95th percentile per-packet one-way delay: 86.535 ms

Loss rate: 0.82%

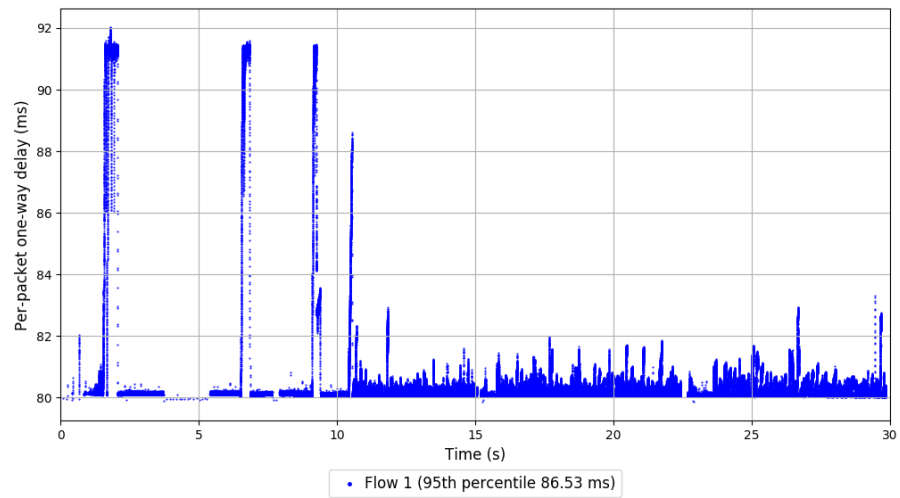
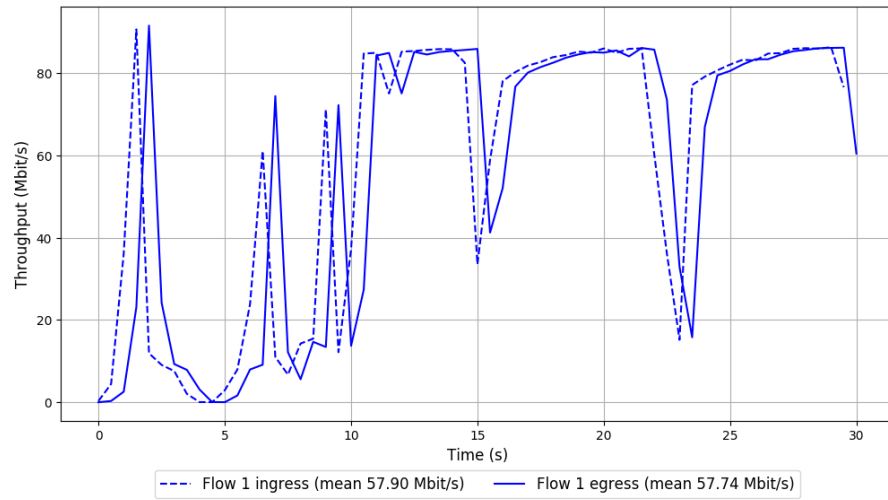
-- Flow 1:

Average throughput: 57.74 Mbit/s

95th percentile per-packet one-way delay: 86.535 ms

Loss rate: 0.82%

Run 10: Report of QUIC Cubic — Data Link

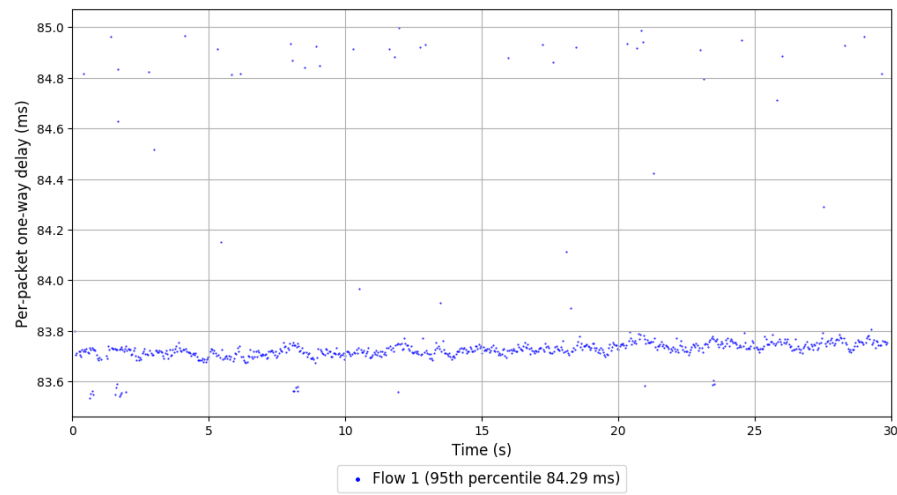
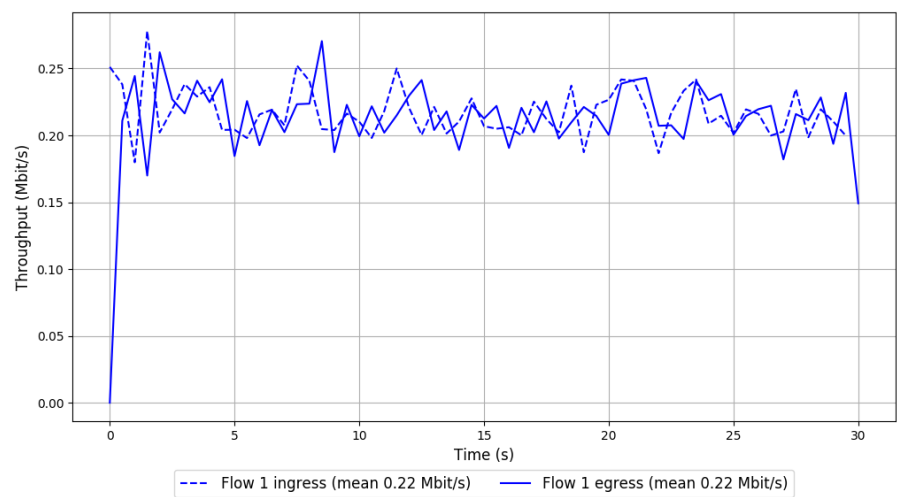


```
Run 1: Statistics of SCReAM

Start at: 2018-08-01 16:20:10
End at: 2018-08-01 16:20:40
Local clock offset: -9.188 ms
Remote clock offset: 4.821 ms

# Below is generated by plot.py at 2018-08-01 19:53:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.291 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.291 ms
Loss rate: 0.64%
```


Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-08-01 16:40:02

End at: 2018-08-01 16:40:32

Local clock offset: -7.224 ms

Remote clock offset: 7.997 ms

Below is generated by plot.py at 2018-08-01 19:53:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 78.245 ms

Loss rate: 0.64%

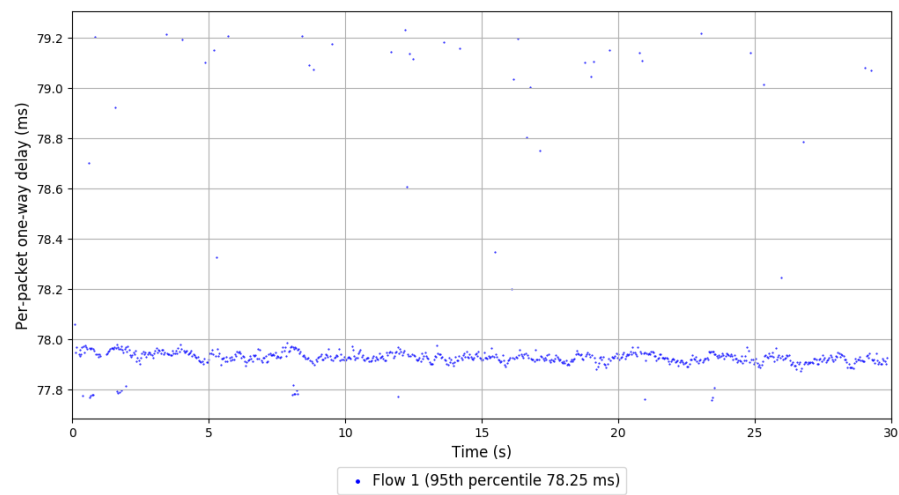
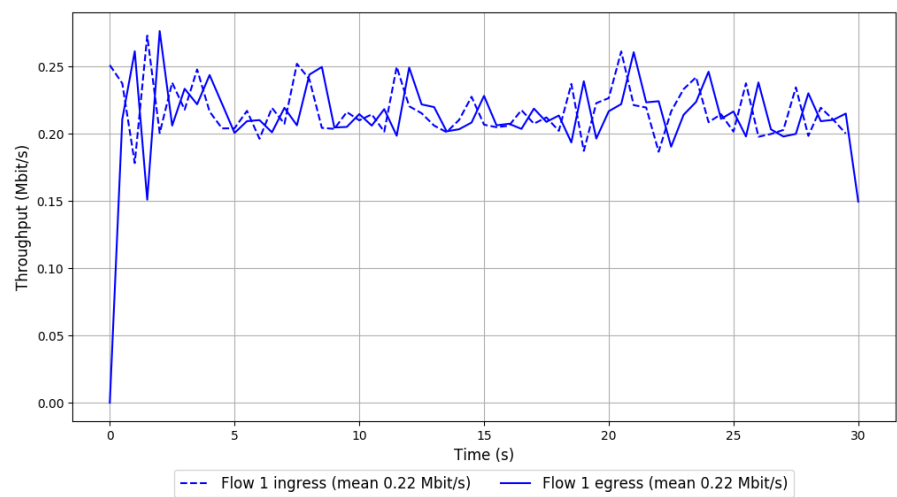
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 78.245 ms

Loss rate: 0.64%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-08-01 16:59:57

End at: 2018-08-01 17:00:27

Local clock offset: -7.203 ms

Remote clock offset: 2.691 ms

Below is generated by plot.py at 2018-08-01 19:53:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 84.955 ms

Loss rate: 0.64%

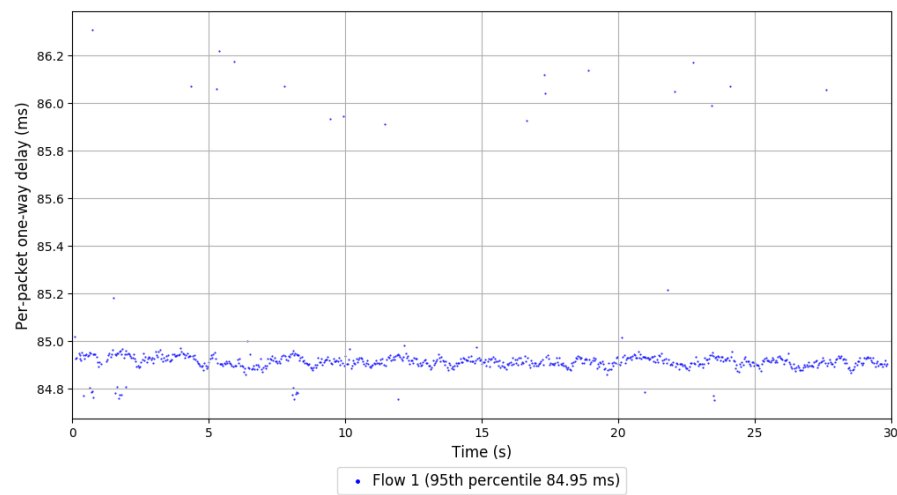
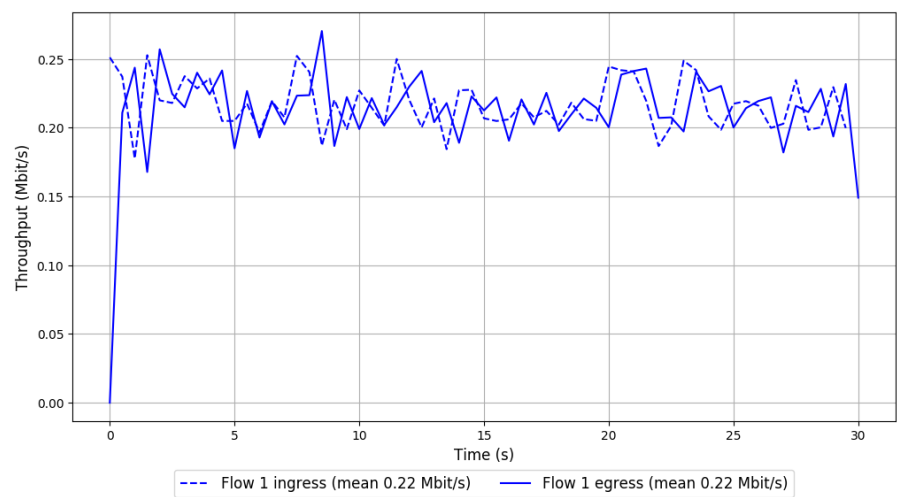
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 84.955 ms

Loss rate: 0.64%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-08-01 17:19:52

End at: 2018-08-01 17:20:22

Local clock offset: -7.607 ms

Remote clock offset: 10.0 ms

Below is generated by plot.py at 2018-08-01 19:53:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 85.334 ms

Loss rate: 0.51%

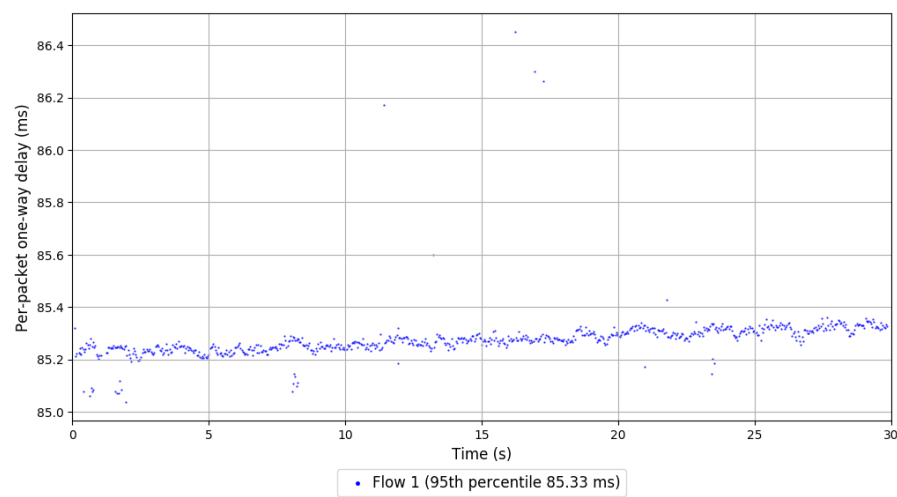
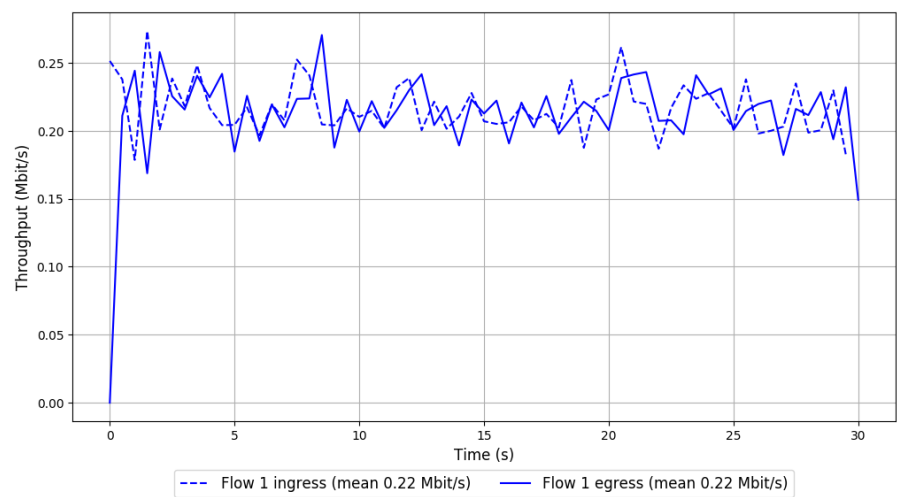
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 85.334 ms

Loss rate: 0.51%

Run 4: Report of SReAM — Data Link

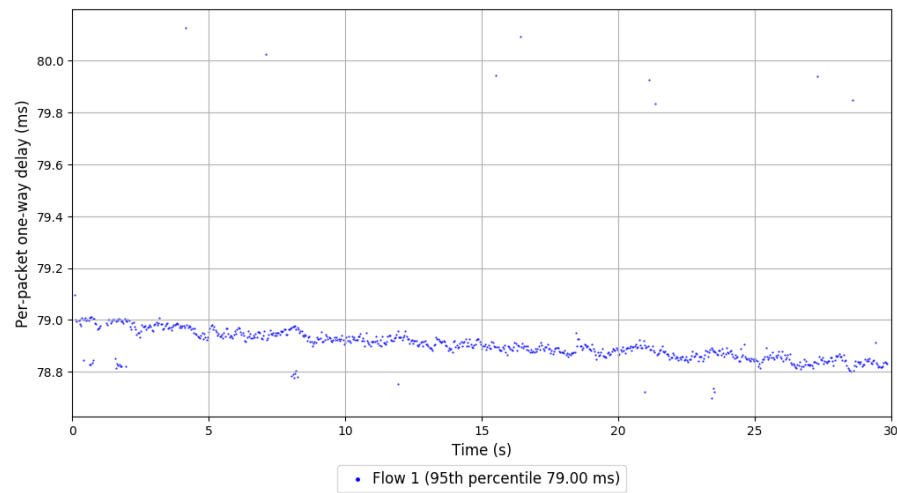
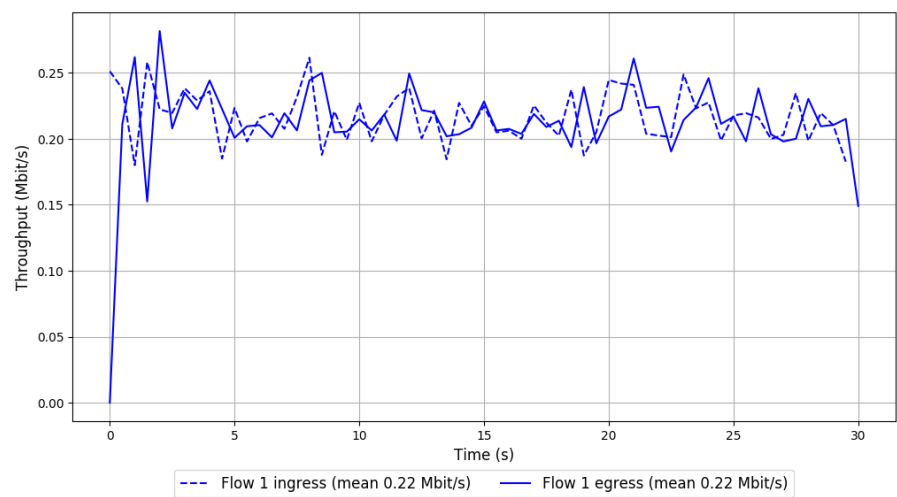


Run 5: Statistics of SCReAM

Start at: 2018-08-01 17:39:58
End at: 2018-08-01 17:40:28
Local clock offset: -6.639 ms
Remote clock offset: 15.758 ms

Below is generated by plot.py at 2018-08-01 19:53:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 78.996 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 78.996 ms
Loss rate: 0.51%

Run 5: Report of SReAM — Data Link

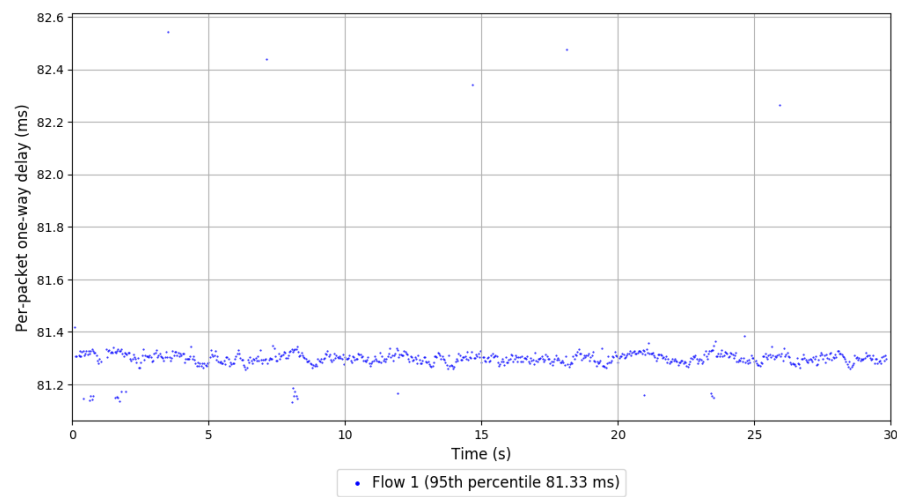
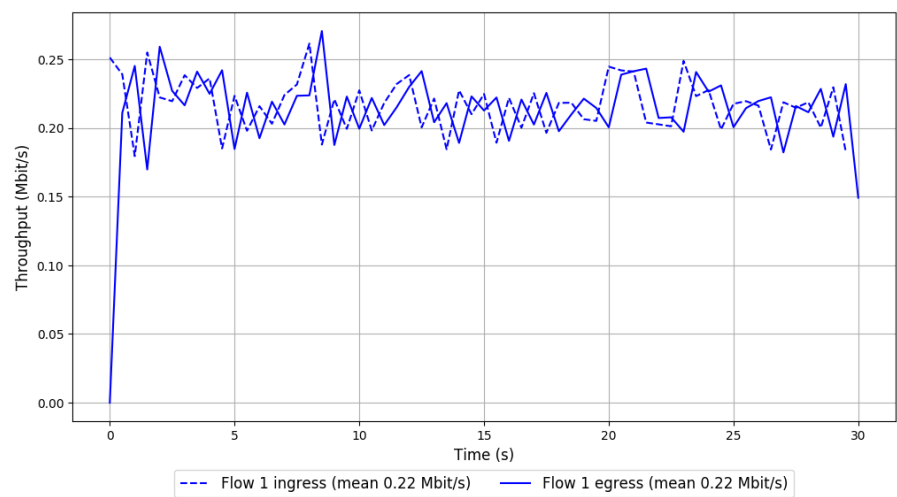


Run 6: Statistics of SCReAM

Start at: 2018-08-01 17:59:51
End at: 2018-08-01 18:00:21
Local clock offset: -6.626 ms
Remote clock offset: 11.093 ms

Below is generated by plot.py at 2018-08-01 19:53:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.330 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.330 ms
Loss rate: 0.51%

Run 6: Report of SReAM — Data Link

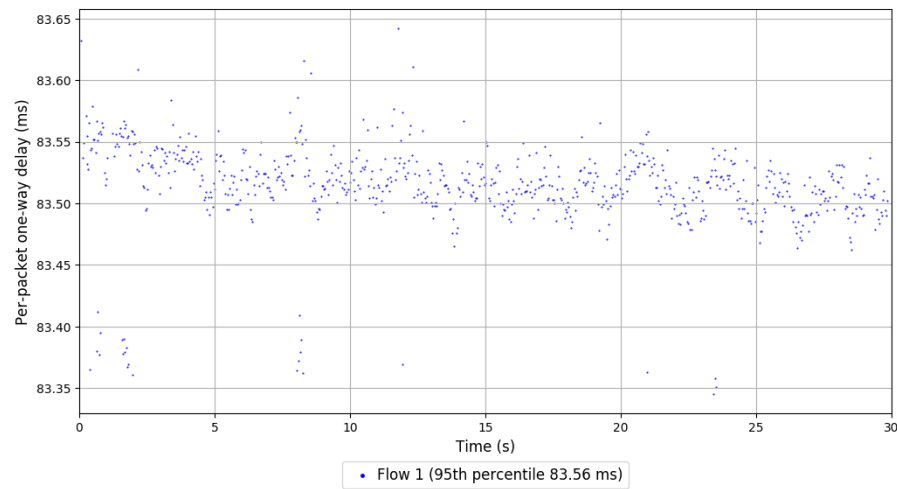
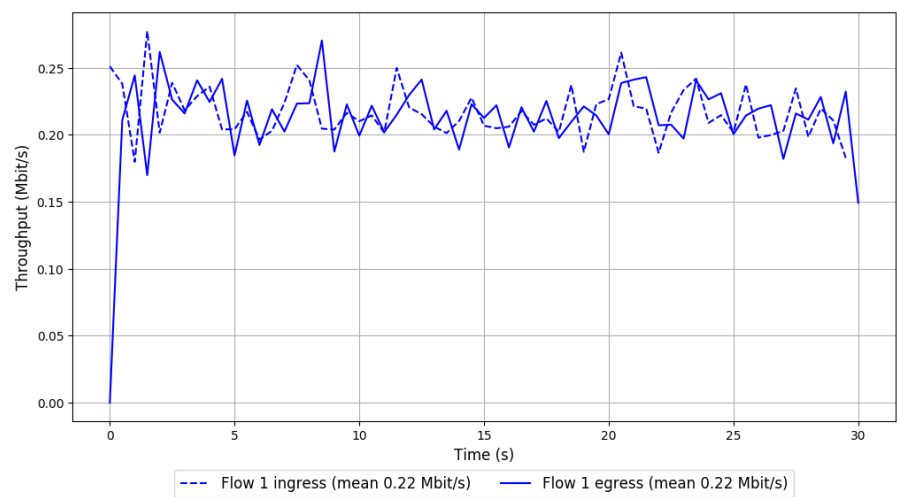


Run 7: Statistics of SCReAM

Start at: 2018-08-01 18:20:06
End at: 2018-08-01 18:20:36
Local clock offset: -6.814 ms
Remote clock offset: 10.587 ms

Below is generated by plot.py at 2018-08-01 19:53:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.557 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.557 ms
Loss rate: 0.51%

Run 7: Report of SReAM — Data Link

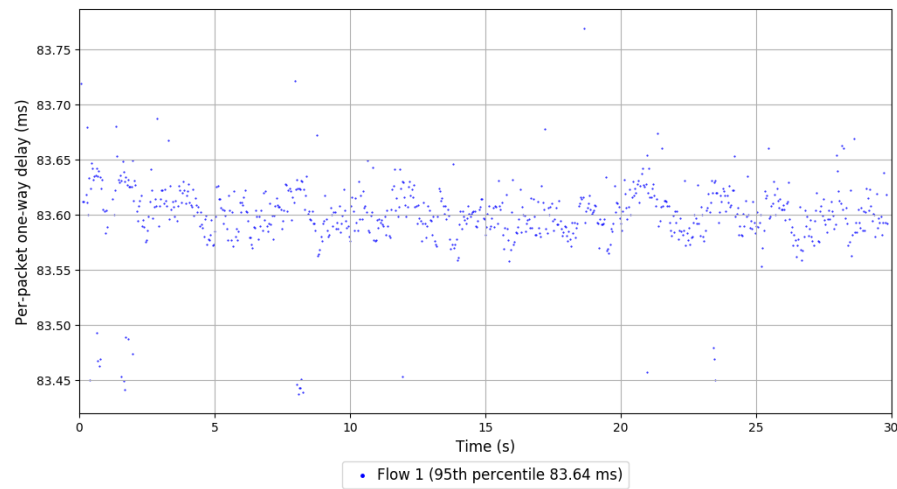
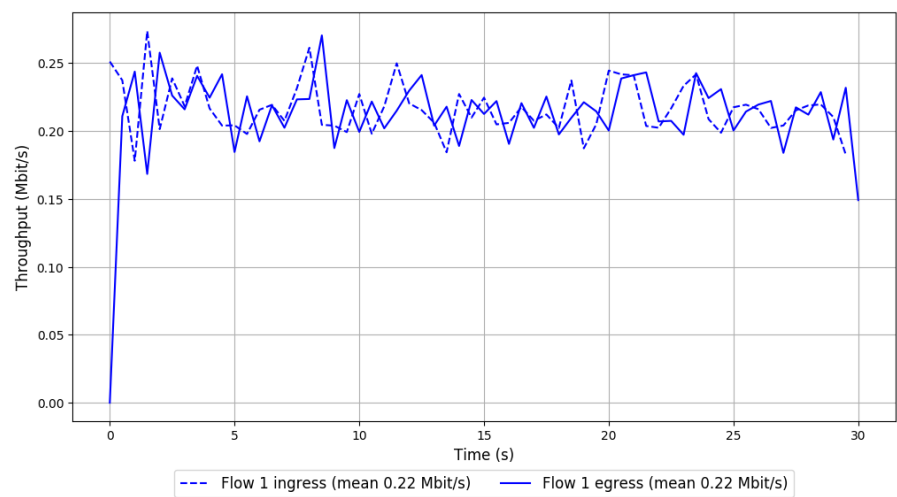


Run 8: Statistics of SCReAM

Start at: 2018-08-01 18:40:01
End at: 2018-08-01 18:40:31
Local clock offset: -6.687 ms
Remote clock offset: 10.208 ms

Below is generated by plot.py at 2018-08-01 19:53:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.636 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.636 ms
Loss rate: 0.51%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-08-01 18:59:58

End at: 2018-08-01 19:00:28

Local clock offset: -6.639 ms

Remote clock offset: 4.42 ms

Below is generated by plot.py at 2018-08-01 19:53:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 83.896 ms

Loss rate: 0.64%

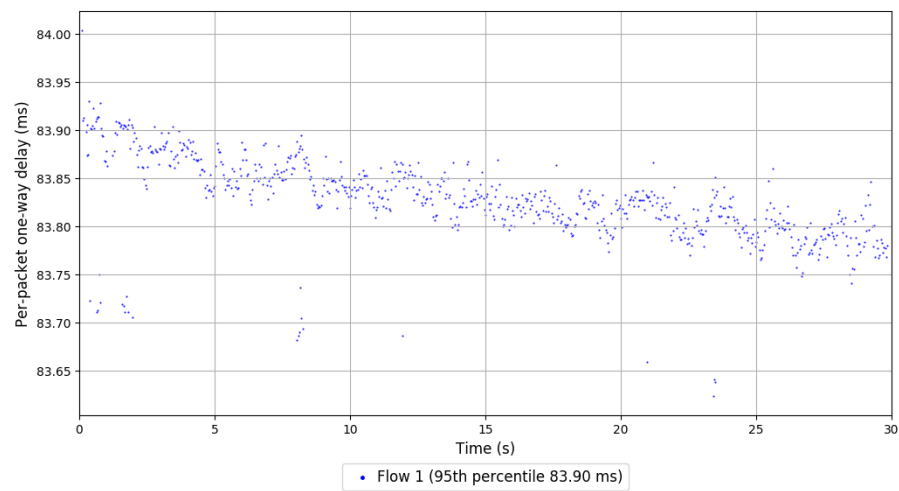
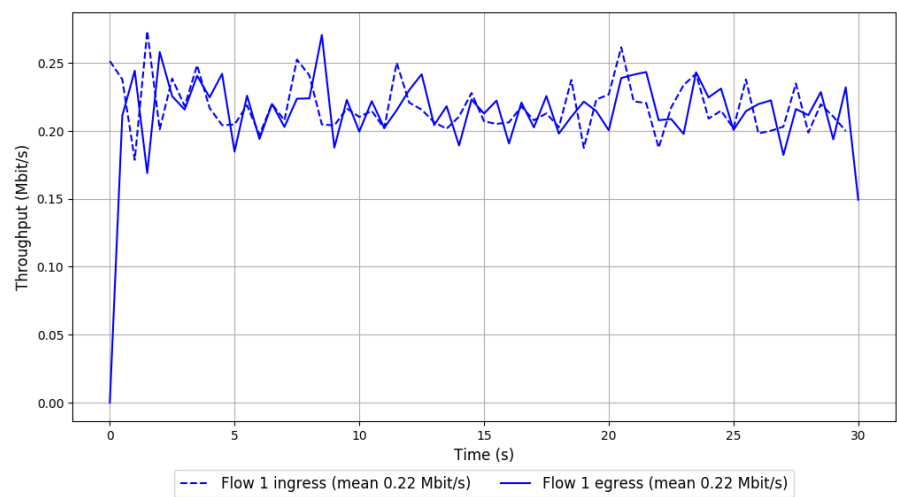
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 83.896 ms

Loss rate: 0.64%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-08-01 19:19:56

End at: 2018-08-01 19:20:26

Local clock offset: -6.708 ms

Remote clock offset: 5.449 ms

Below is generated by plot.py at 2018-08-01 19:53:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 79.948 ms

Loss rate: 0.51%

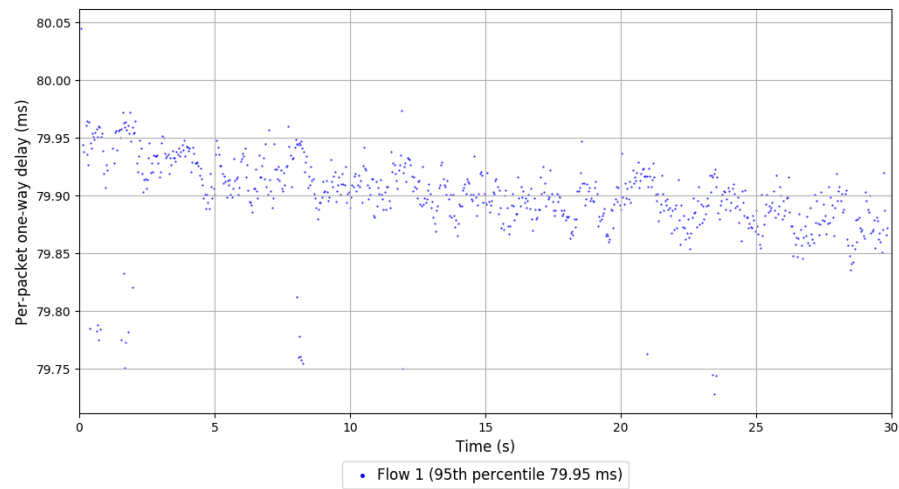
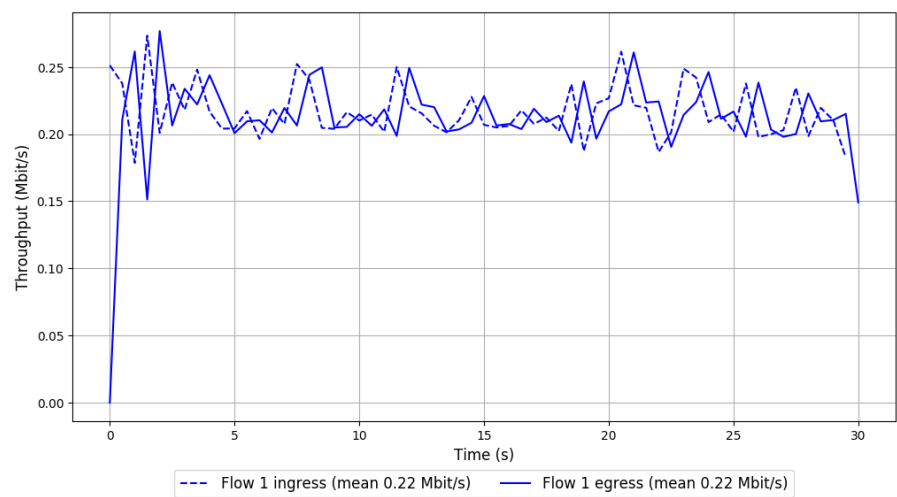
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 79.948 ms

Loss rate: 0.51%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-08-01 16:30:38

End at: 2018-08-01 16:31:08

Local clock offset: -7.691 ms

Remote clock offset: 8.471 ms

Below is generated by plot.py at 2018-08-01 19:53:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 81.230 ms

Loss rate: 0.54%

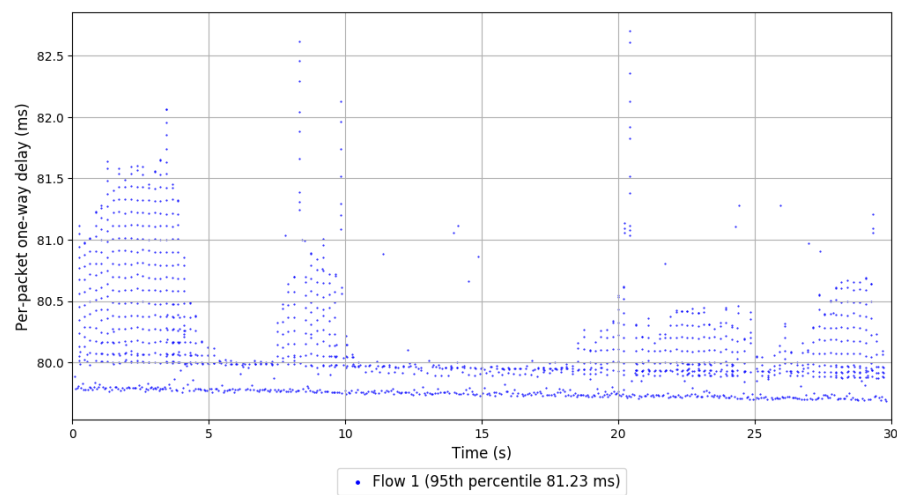
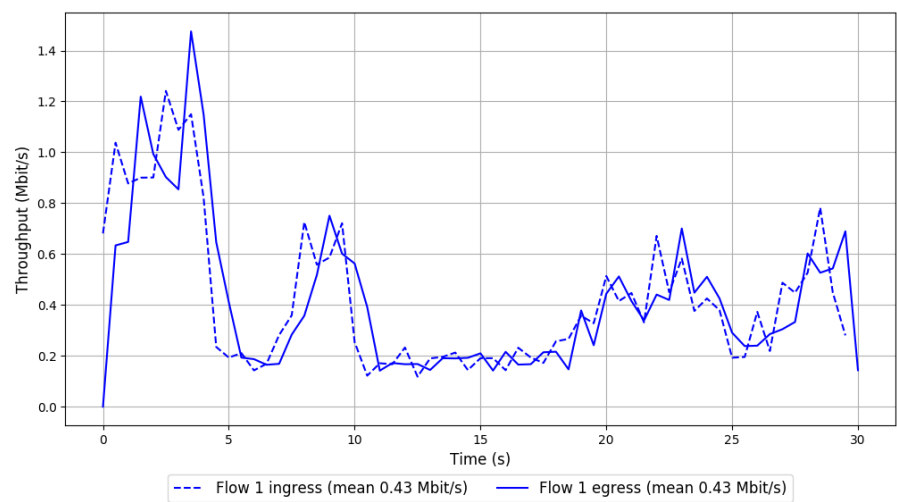
-- Flow 1:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 81.230 ms

Loss rate: 0.54%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-08-01 16:50:34

End at: 2018-08-01 16:51:04

Local clock offset: -7.443 ms

Remote clock offset: 6.593 ms

Below is generated by plot.py at 2018-08-01 19:53:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 81.933 ms

Loss rate: 0.56%

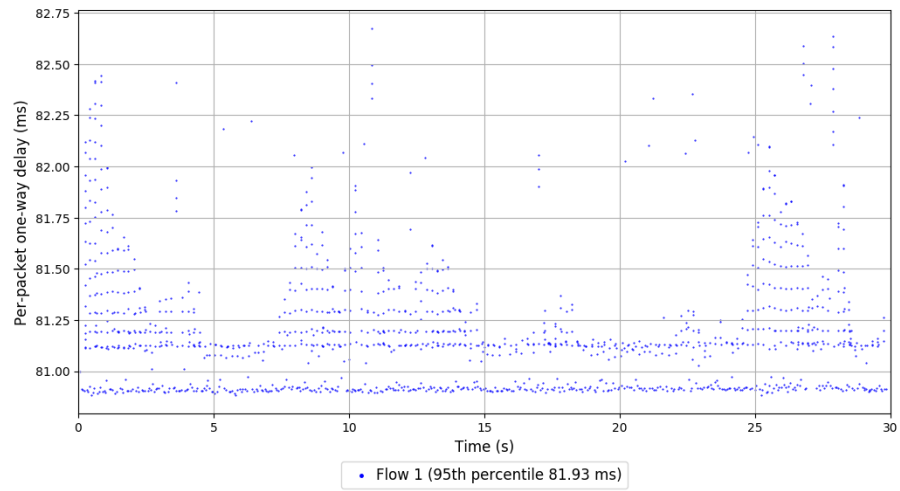
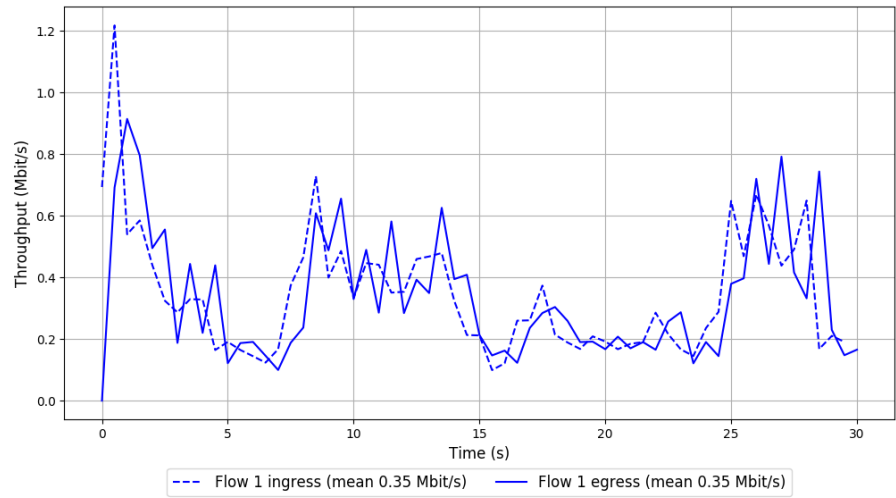
-- Flow 1:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 81.933 ms

Loss rate: 0.56%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-08-01 17:10:28

End at: 2018-08-01 17:10:58

Local clock offset: -7.31 ms

Remote clock offset: 8.056 ms

Below is generated by plot.py at 2018-08-01 19:53:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.30 Mbit/s

95th percentile per-packet one-way delay: 84.861 ms

Loss rate: 0.78%

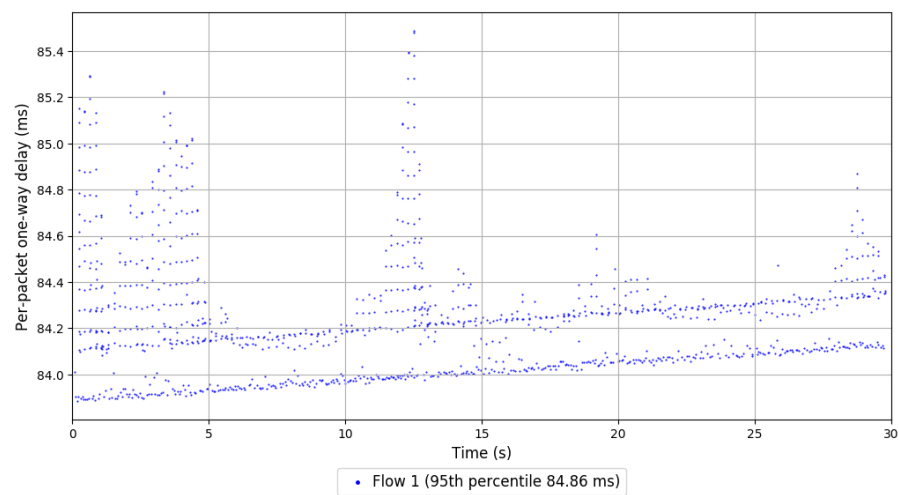
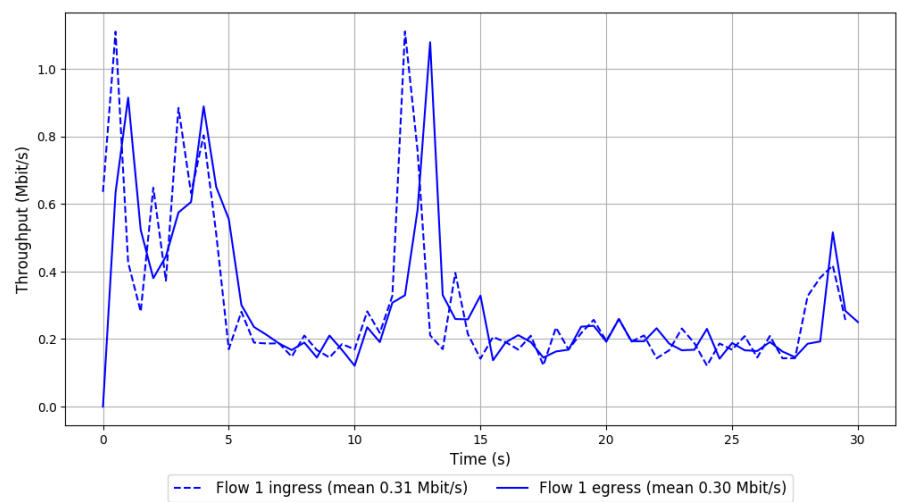
-- Flow 1:

Average throughput: 0.30 Mbit/s

95th percentile per-packet one-way delay: 84.861 ms

Loss rate: 0.78%

Run 3: Report of Sprout — Data Link

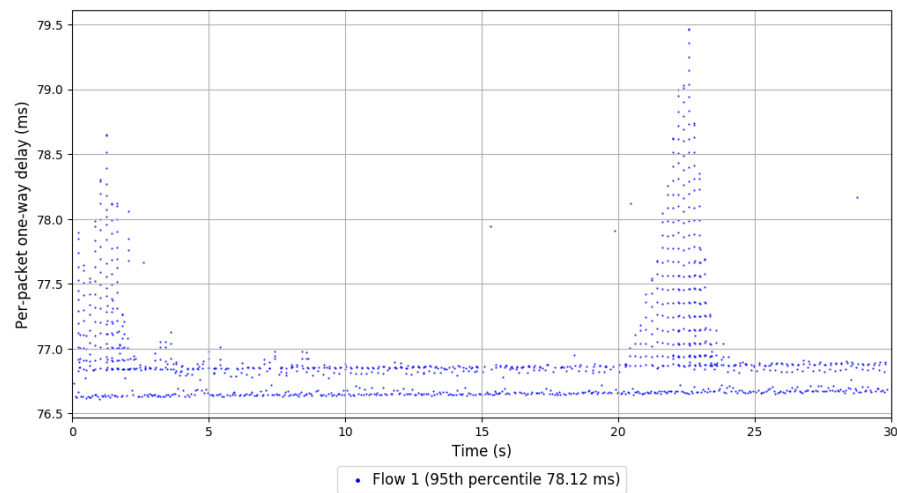
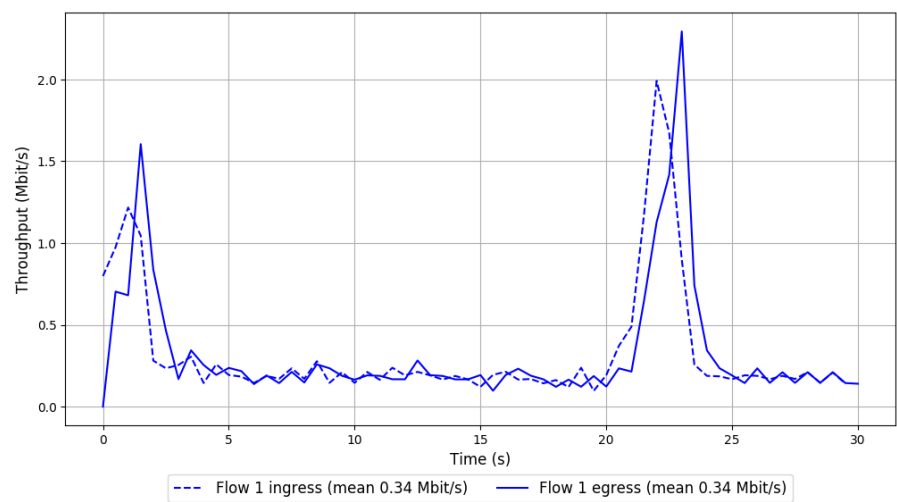


Run 4: Statistics of Sprout

Start at: 2018-08-01 17:30:25
End at: 2018-08-01 17:30:55
Local clock offset: -6.863 ms
Remote clock offset: 17.567 ms

Below is generated by plot.py at 2018-08-01 19:53:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 78.118 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 78.118 ms
Loss rate: 0.34%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-08-01 17:50:29

End at: 2018-08-01 17:50:59

Local clock offset: -6.66 ms

Remote clock offset: 16.28 ms

Below is generated by plot.py at 2018-08-01 19:53:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 79.369 ms

Loss rate: 0.35%

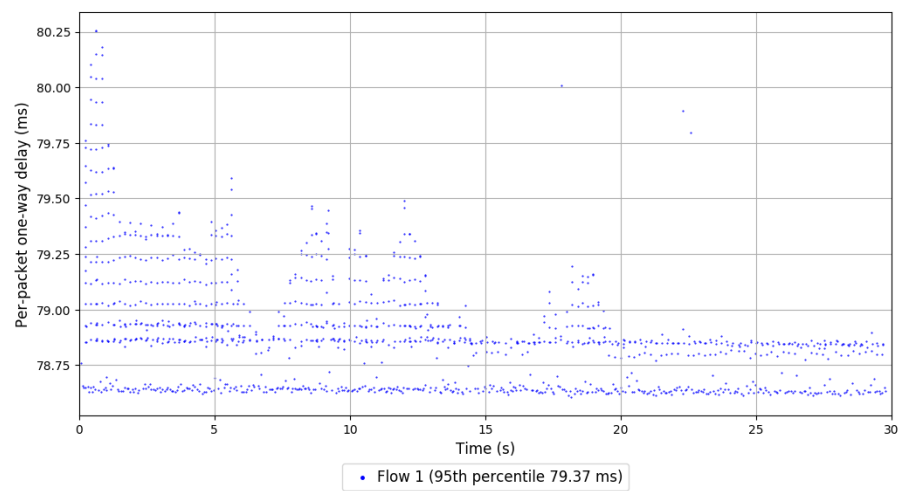
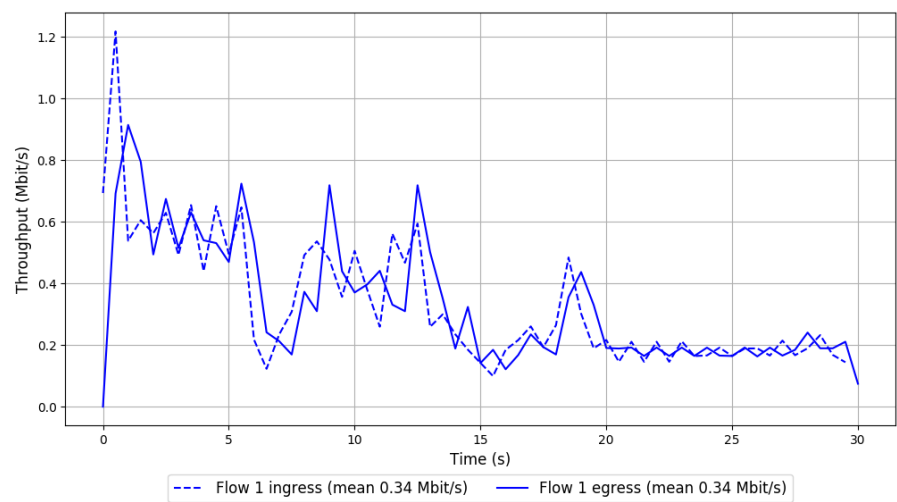
-- Flow 1:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 79.369 ms

Loss rate: 0.35%

Run 5: Report of Sprout — Data Link

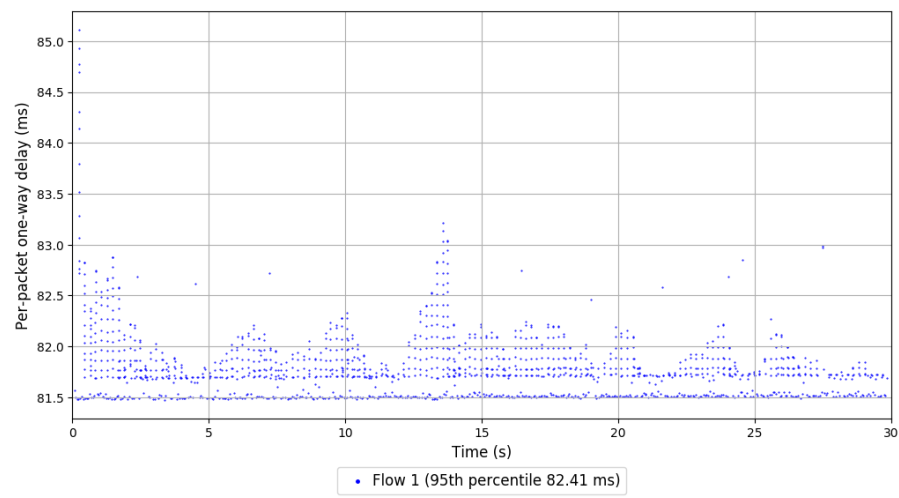
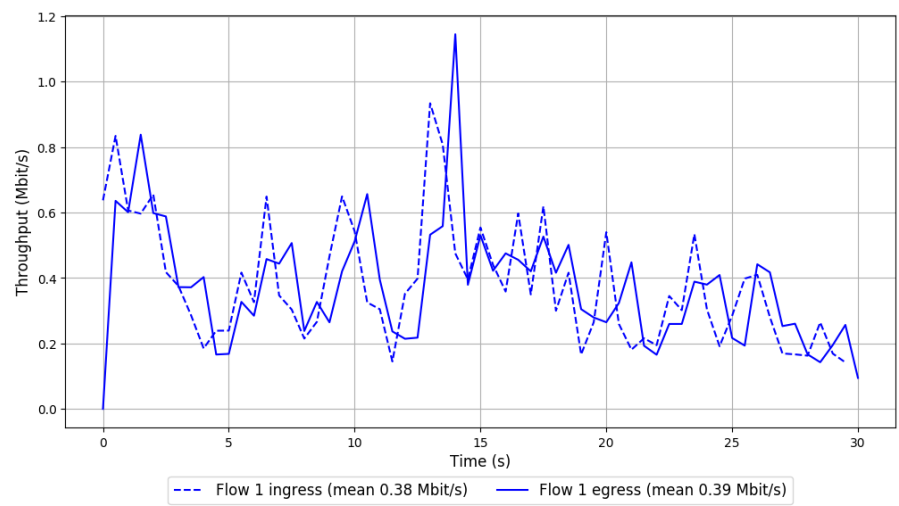


Run 6: Statistics of Sprout

Start at: 2018-08-01 18:10:33
End at: 2018-08-01 18:11:03
Local clock offset: -6.707 ms
Remote clock offset: 11.291 ms

Below is generated by plot.py at 2018-08-01 19:53:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 82.411 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 82.411 ms
Loss rate: 0.22%

Run 6: Report of Sprout — Data Link

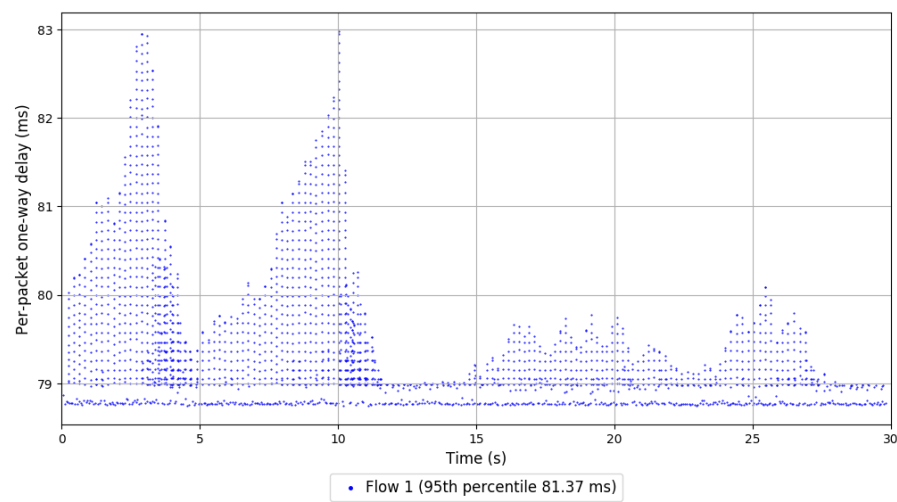
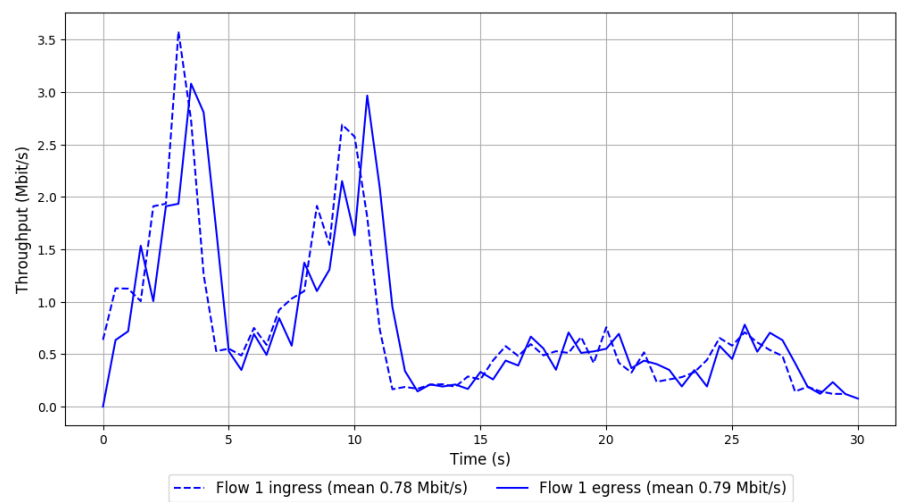


Run 7: Statistics of Sprout

Start at: 2018-08-01 18:30:38
End at: 2018-08-01 18:31:08
Local clock offset: -6.71 ms
Remote clock offset: 15.103 ms

Below is generated by plot.py at 2018-08-01 19:53:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.79 Mbit/s
95th percentile per-packet one-way delay: 81.368 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 0.79 Mbit/s
95th percentile per-packet one-way delay: 81.368 ms
Loss rate: 0.10%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-08-01 18:50:32

End at: 2018-08-01 18:51:02

Local clock offset: -6.704 ms

Remote clock offset: 6.585 ms

Below is generated by plot.py at 2018-08-01 19:53:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 83.457 ms

Loss rate: 0.39%

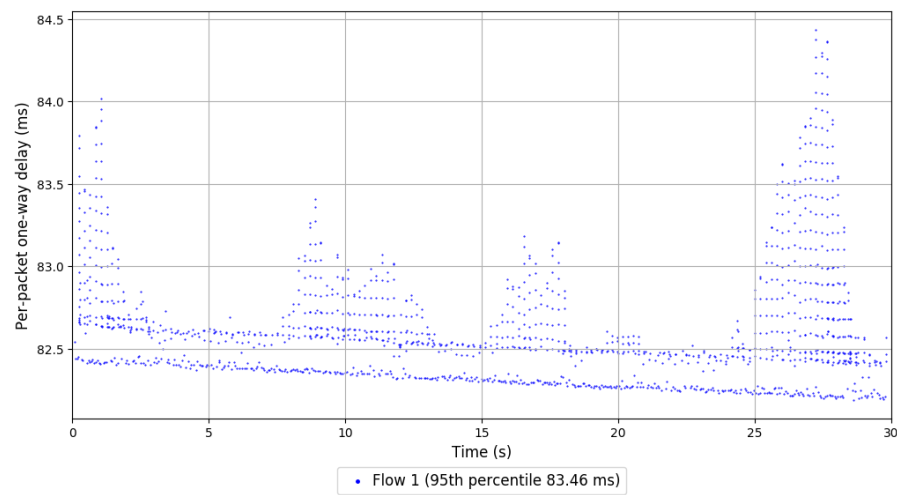
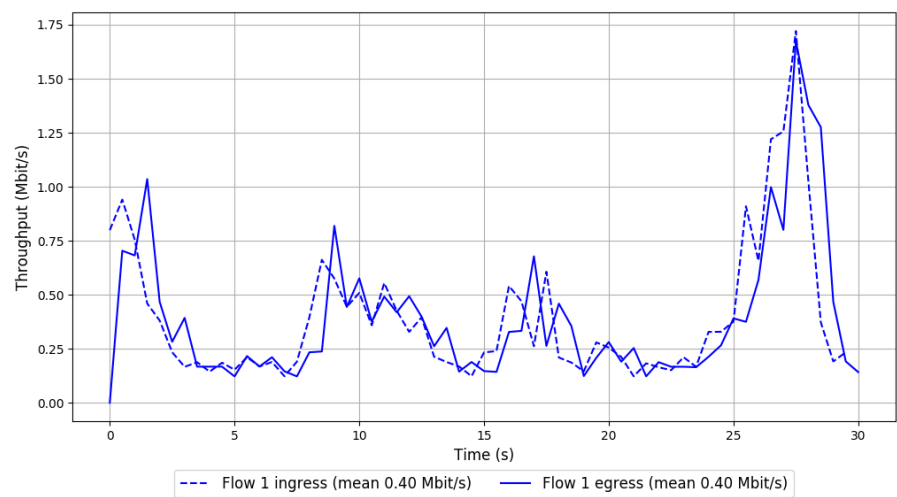
-- Flow 1:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 83.457 ms

Loss rate: 0.39%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-08-01 19:10:30

End at: 2018-08-01 19:11:00

Local clock offset: -6.667 ms

Remote clock offset: 7.737 ms

Below is generated by plot.py at 2018-08-01 19:53:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 79.659 ms

Loss rate: 0.37%

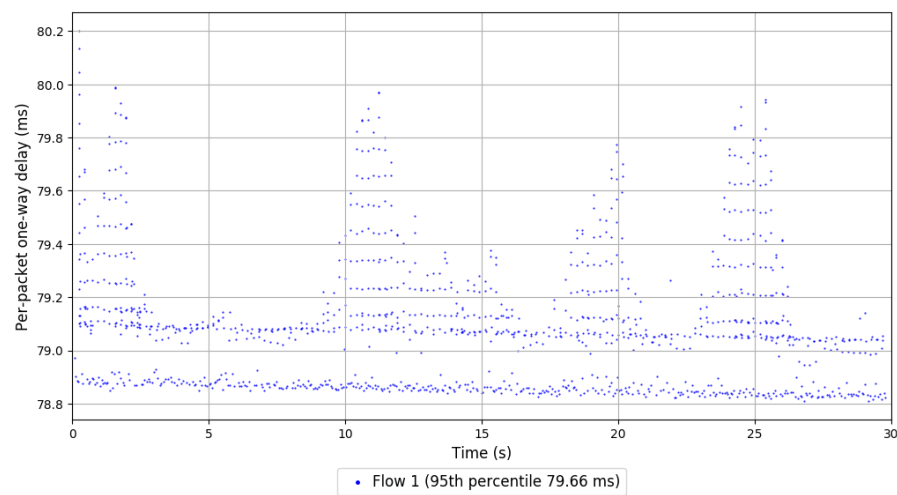
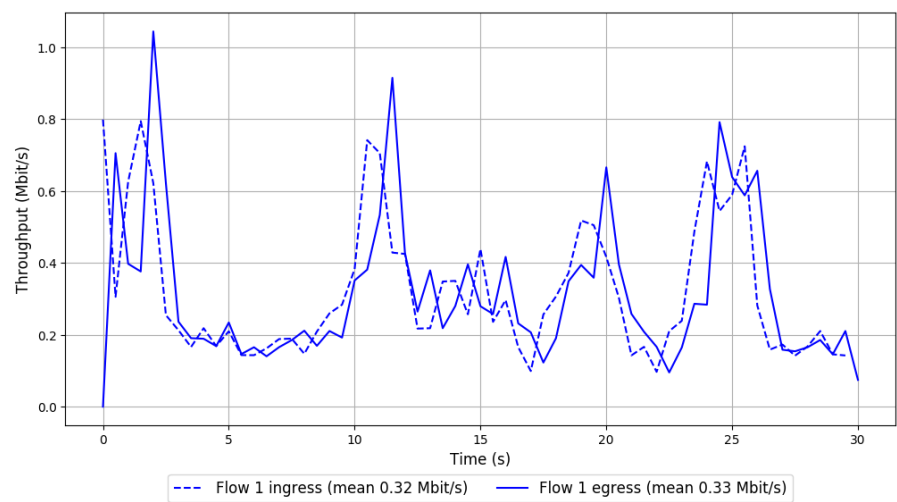
-- Flow 1:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 79.659 ms

Loss rate: 0.37%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-08-01 19:30:26

End at: 2018-08-01 19:30:56

Local clock offset: -6.26 ms

Remote clock offset: 12.774 ms

Below is generated by plot.py at 2018-08-01 19:53:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.37 Mbit/s

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

Loss rate: 0.32%

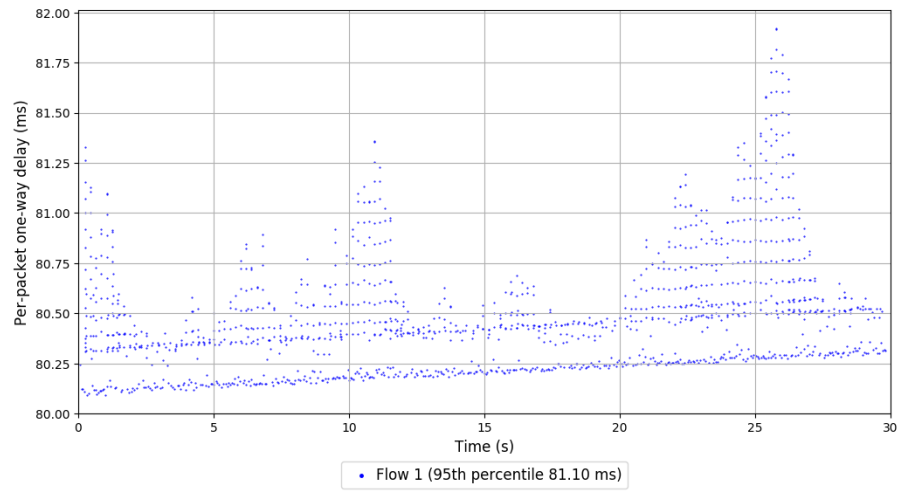
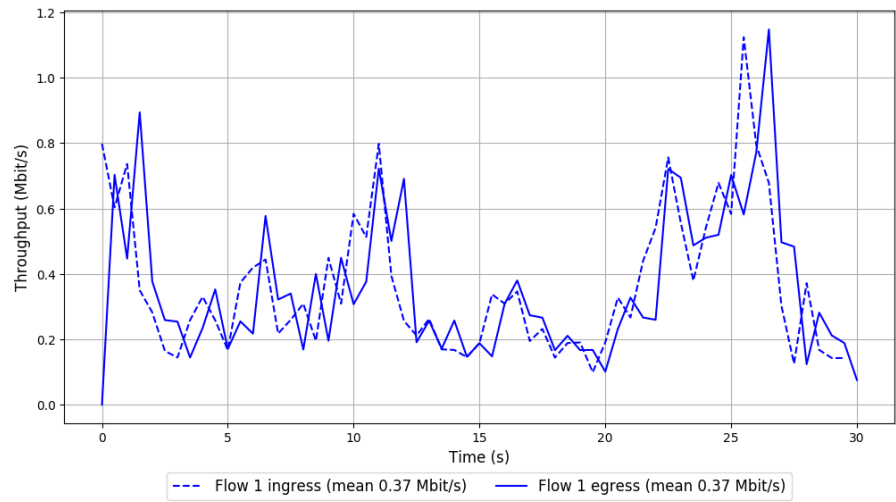
-- Flow 1:

Average throughput: 0.37 Mbit/s

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

Loss rate: 0.32%

Run 10: Report of Sprout — Data Link

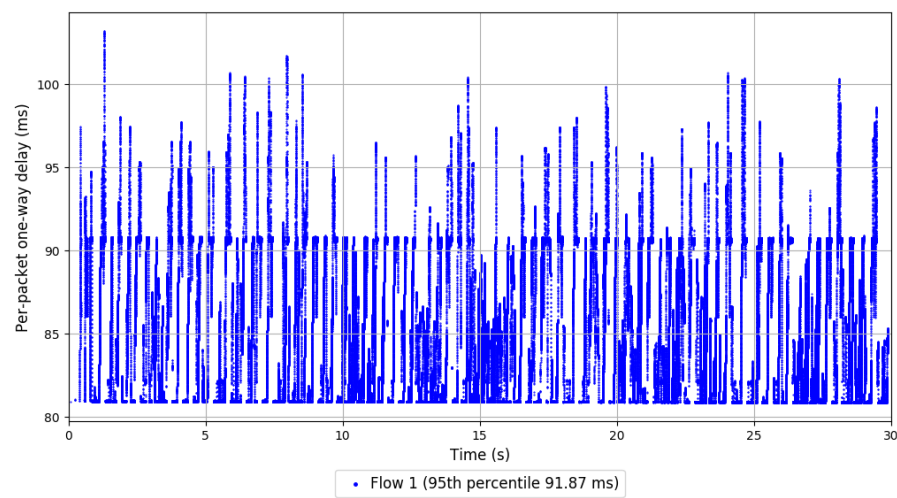
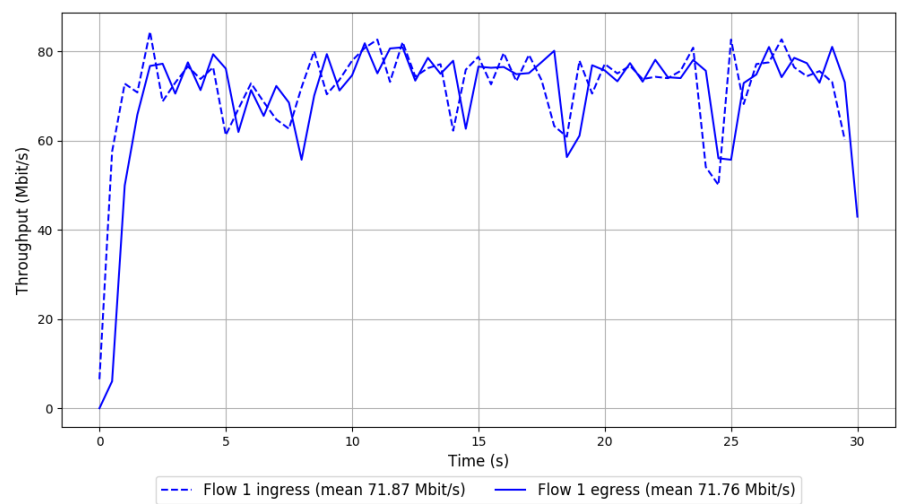


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-08-01 16:28:16
End at: 2018-08-01 16:28:46
Local clock offset: -8.008 ms
Remote clock offset: 7.511 ms

# Below is generated by plot.py at 2018-08-01 19:54:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.76 Mbit/s
95th percentile per-packet one-way delay: 91.874 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 71.76 Mbit/s
95th percentile per-packet one-way delay: 91.874 ms
Loss rate: 0.62%
```


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



Run 2: Statistics of TaoVA-100x

Start at: 2018-08-01 16:48:10

End at: 2018-08-01 16:48:40

Local clock offset: -7.307 ms

Remote clock offset: 8.905 ms

Below is generated by plot.py at 2018-08-01 19:54:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.06 Mbit/s

95th percentile per-packet one-way delay: 88.761 ms

Loss rate: 0.62%

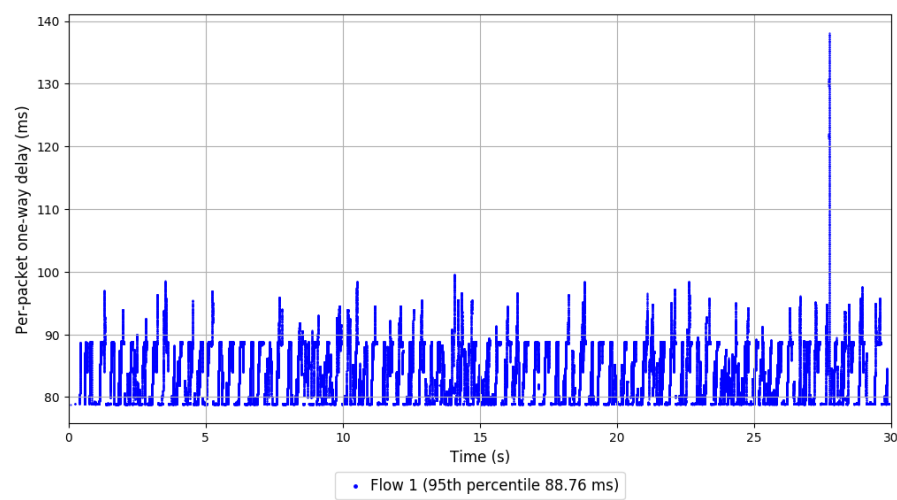
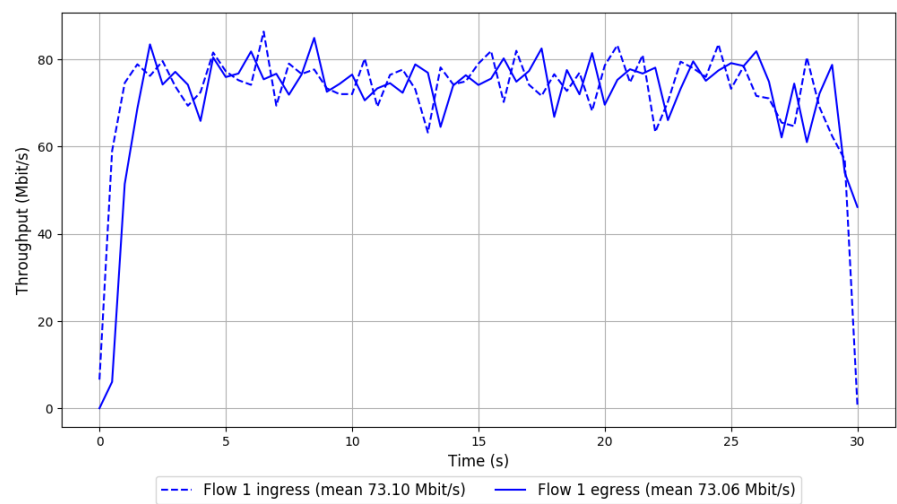
-- Flow 1:

Average throughput: 73.06 Mbit/s

95th percentile per-packet one-way delay: 88.761 ms

Loss rate: 0.62%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-08-01 17:08:05

End at: 2018-08-01 17:08:35

Local clock offset: -7.26 ms

Remote clock offset: 5.489 ms

Below is generated by plot.py at 2018-08-01 19:54:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.52 Mbit/s

95th percentile per-packet one-way delay: 92.839 ms

Loss rate: 0.59%

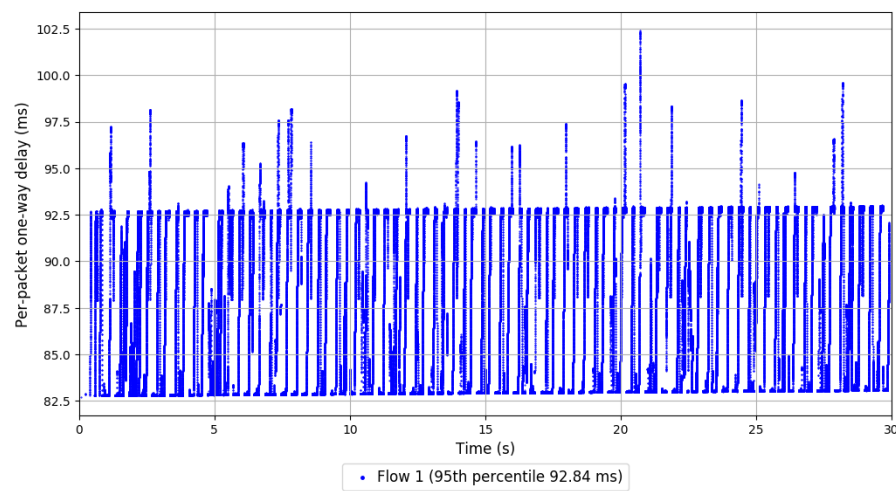
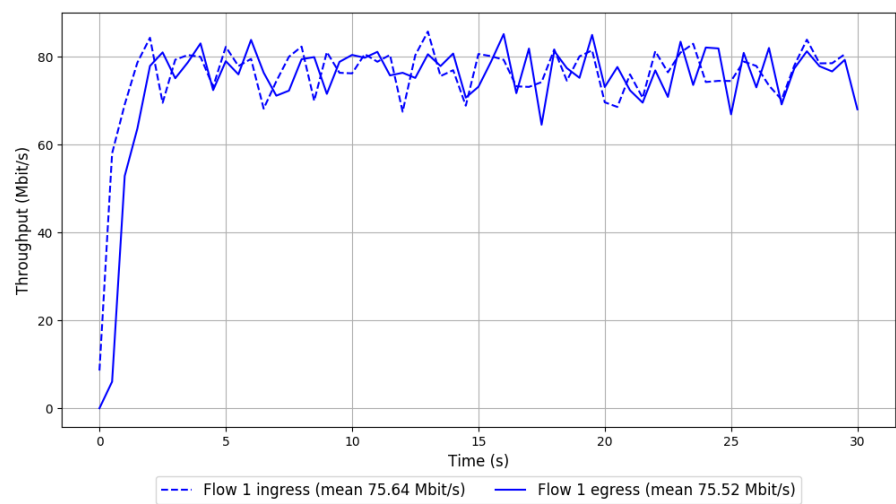
-- Flow 1:

Average throughput: 75.52 Mbit/s

95th percentile per-packet one-way delay: 92.839 ms

Loss rate: 0.59%

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

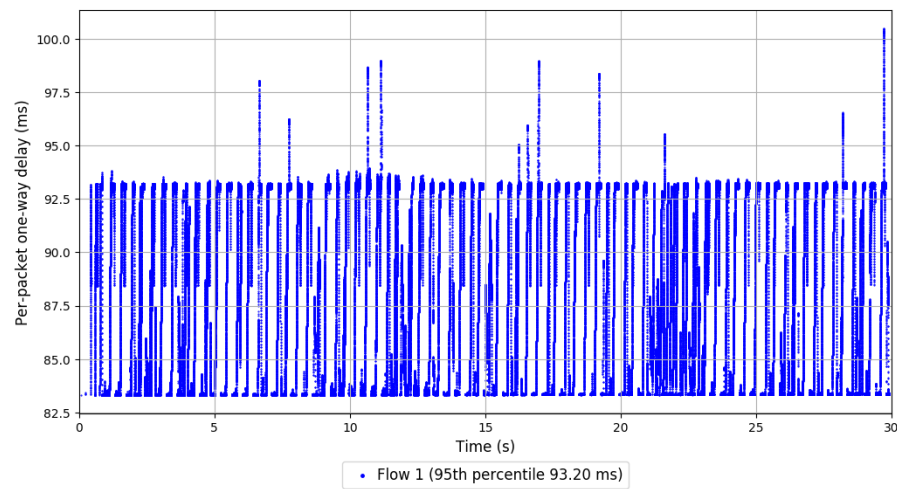
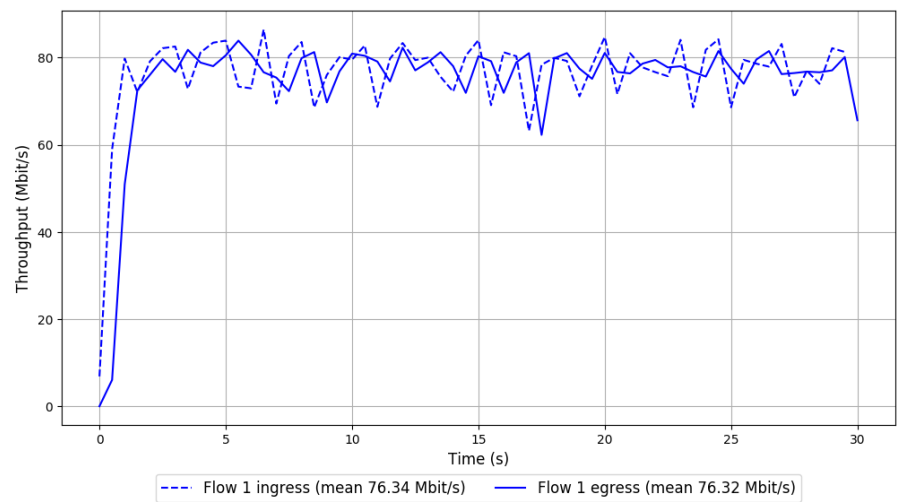


Run 4: Statistics of TaoVA-100x

Start at: 2018-08-01 17:28:01
End at: 2018-08-01 17:28:31
Local clock offset: -7.054 ms
Remote clock offset: 12.415 ms

Below is generated by plot.py at 2018-08-01 19:54:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.32 Mbit/s
95th percentile per-packet one-way delay: 93.200 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 76.32 Mbit/s
95th percentile per-packet one-way delay: 93.200 ms
Loss rate: 0.59%

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

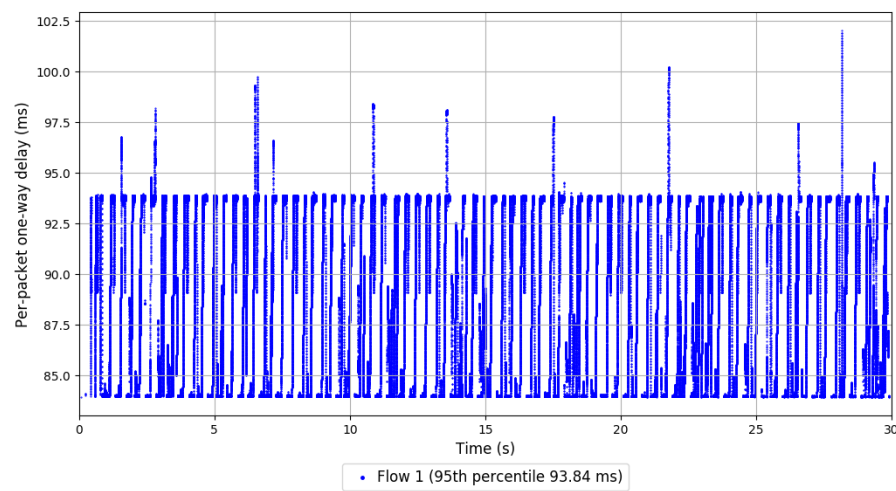
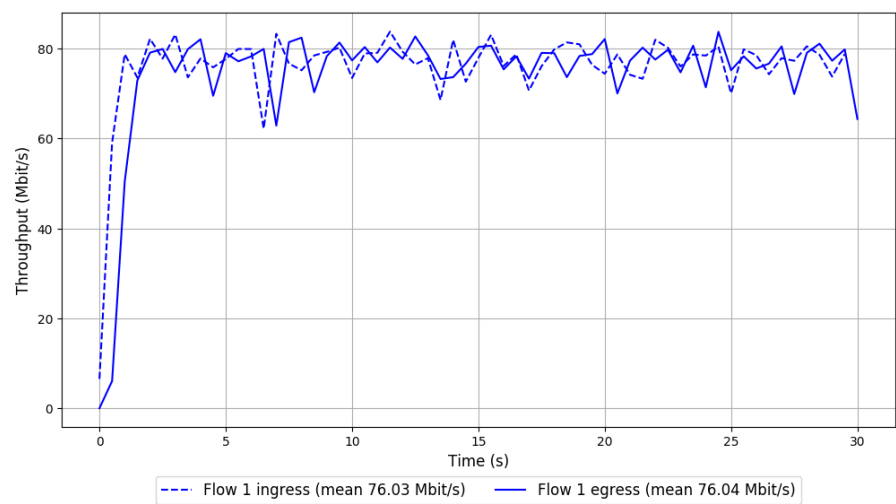


Run 5: Statistics of TaoVA-100x

Start at: 2018-08-01 17:48:06
End at: 2018-08-01 17:48:36
Local clock offset: -6.626 ms
Remote clock offset: 11.543 ms

Below is generated by plot.py at 2018-08-01 19:54:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.04 Mbit/s
95th percentile per-packet one-way delay: 93.836 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 76.04 Mbit/s
95th percentile per-packet one-way delay: 93.836 ms
Loss rate: 0.55%

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

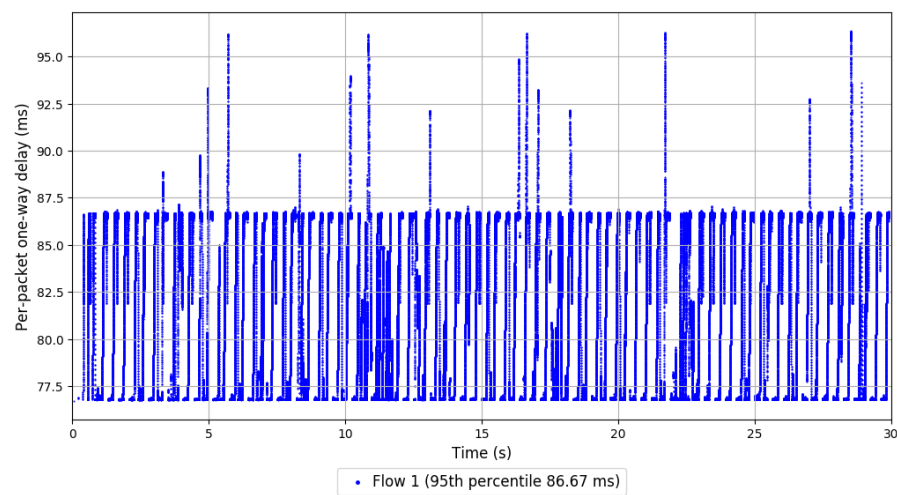
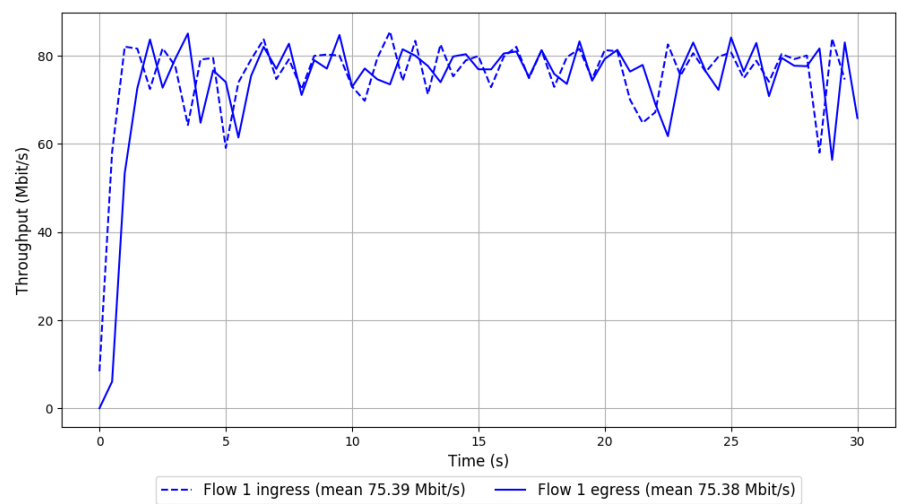


Run 6: Statistics of TaoVA-100x

Start at: 2018-08-01 18:08:10
End at: 2018-08-01 18:08:40
Local clock offset: -6.701 ms
Remote clock offset: 16.223 ms

Below is generated by plot.py at 2018-08-01 19:54:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.38 Mbit/s
95th percentile per-packet one-way delay: 86.666 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 75.38 Mbit/s
95th percentile per-packet one-way delay: 86.666 ms
Loss rate: 0.56%

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

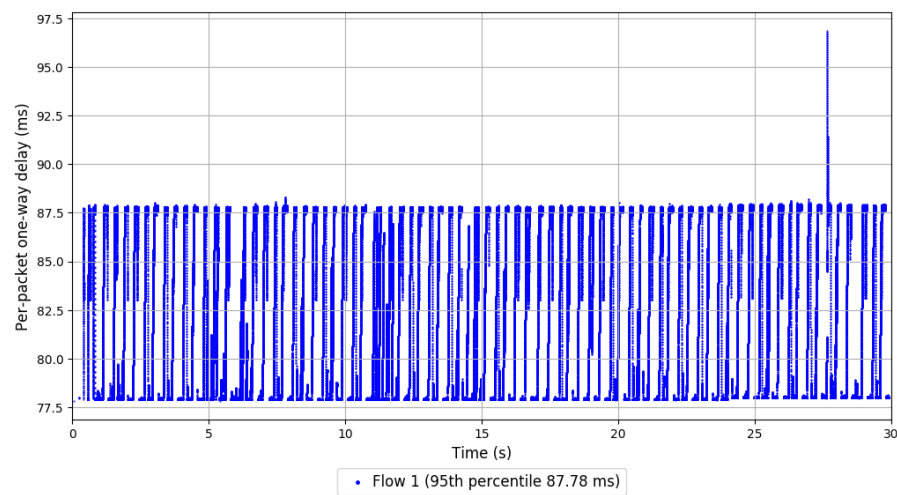
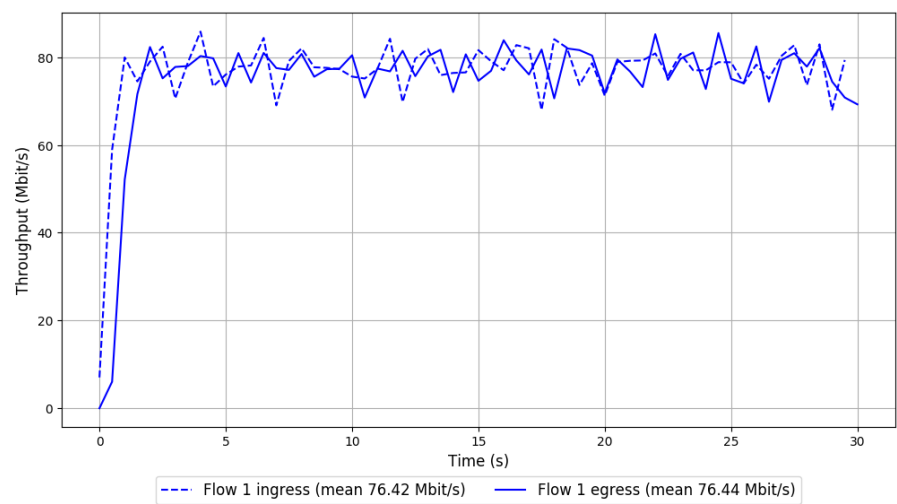


Run 7: Statistics of TaoVA-100x

Start at: 2018-08-01 18:28:15
End at: 2018-08-01 18:28:45
Local clock offset: -6.769 ms
Remote clock offset: 14.048 ms

Below is generated by plot.py at 2018-08-01 19:55:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.44 Mbit/s
95th percentile per-packet one-way delay: 87.782 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 76.44 Mbit/s
95th percentile per-packet one-way delay: 87.782 ms
Loss rate: 0.53%

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

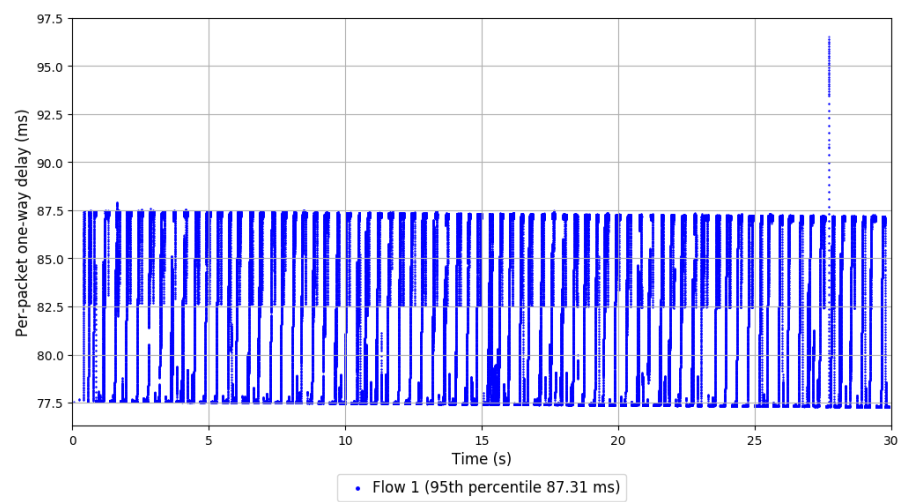
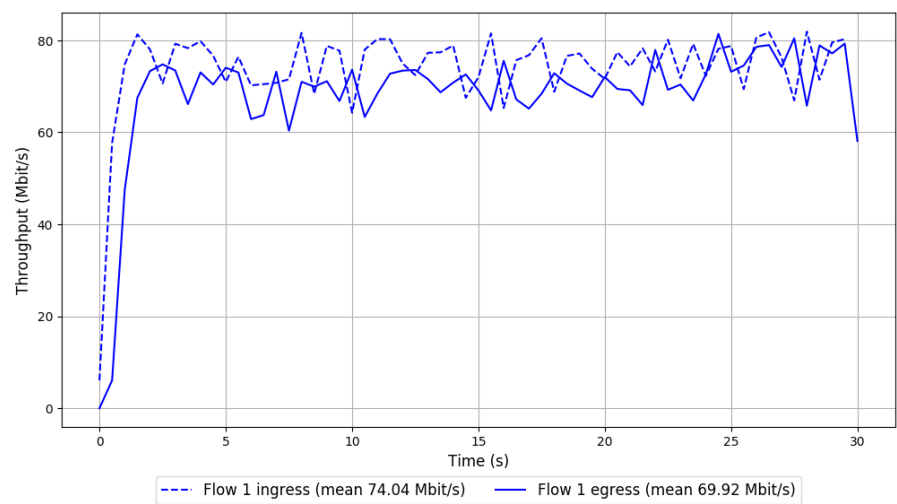


Run 8: Statistics of TaoVA-100x

Start at: 2018-08-01 18:48:09
End at: 2018-08-01 18:48:39
Local clock offset: -6.681 ms
Remote clock offset: 12.766 ms

Below is generated by plot.py at 2018-08-01 19:55:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.92 Mbit/s
95th percentile per-packet one-way delay: 87.311 ms
Loss rate: 6.09%
-- Flow 1:
Average throughput: 69.92 Mbit/s
95th percentile per-packet one-way delay: 87.311 ms
Loss rate: 6.09%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-08-01 19:08:06

End at: 2018-08-01 19:08:36

Local clock offset: -6.684 ms

Remote clock offset: 3.045 ms

Below is generated by plot.py at 2018-08-01 19:56:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.37 Mbit/s

95th percentile per-packet one-way delay: 91.357 ms

Loss rate: 8.06%

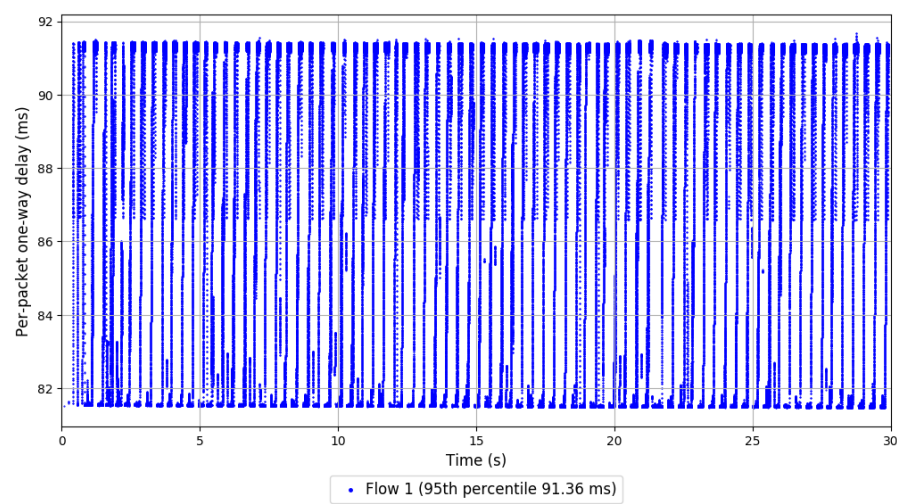
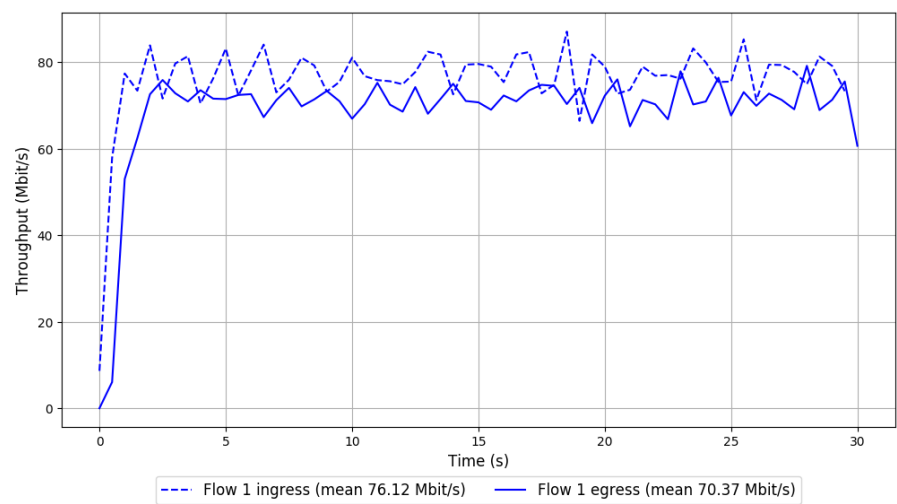
-- Flow 1:

Average throughput: 70.37 Mbit/s

95th percentile per-packet one-way delay: 91.357 ms

Loss rate: 8.06%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-08-01 19:28:04

End at: 2018-08-01 19:28:34

Local clock offset: -6.331 ms

Remote clock offset: 11.46 ms

Below is generated by plot.py at 2018-08-01 19:56:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.95 Mbit/s

95th percentile per-packet one-way delay: 89.726 ms

Loss rate: 0.49%

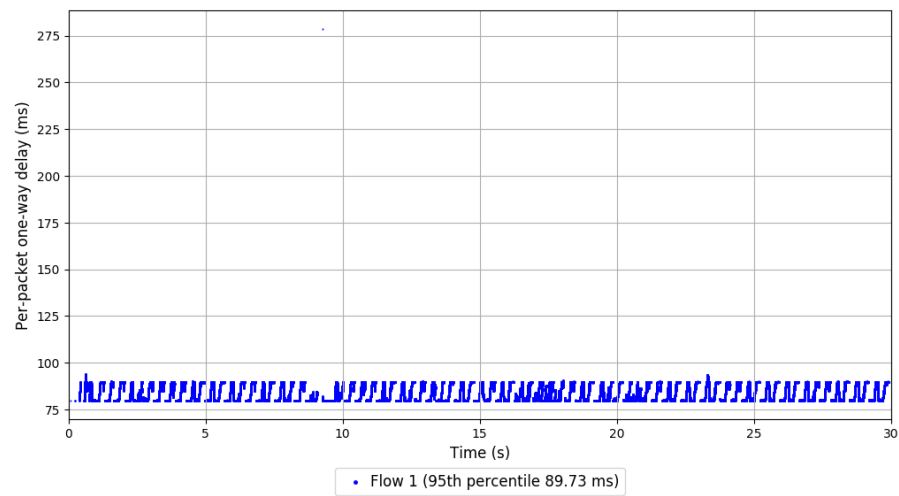
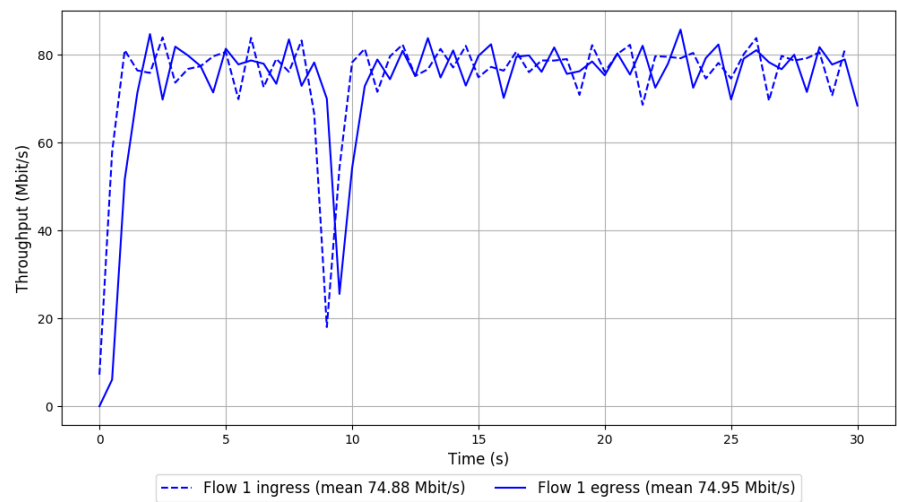
-- Flow 1:

Average throughput: 74.95 Mbit/s

95th percentile per-packet one-way delay: 89.726 ms

Loss rate: 0.49%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-08-01 16:35:25

End at: 2018-08-01 16:35:55

Local clock offset: -7.325 ms

Remote clock offset: 8.178 ms

Below is generated by plot.py at 2018-08-01 19:56:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 39.78 Mbit/s

95th percentile per-packet one-way delay: 83.642 ms

Loss rate: 0.55%

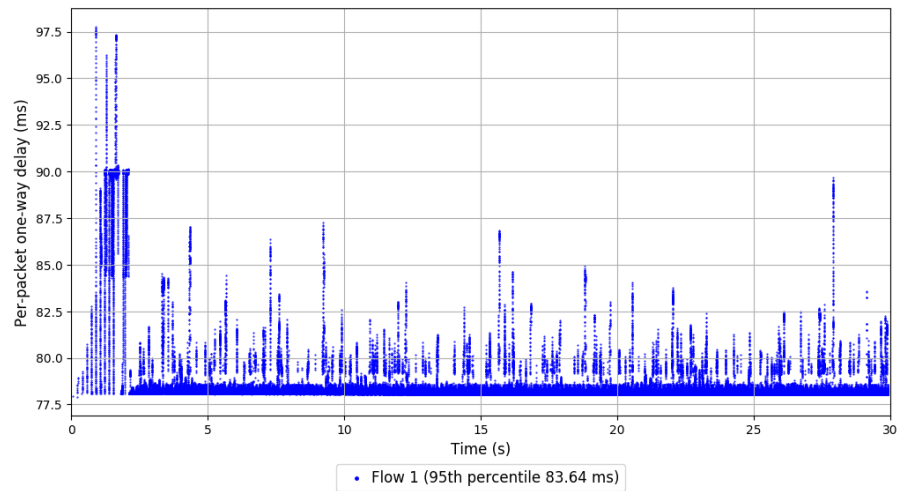
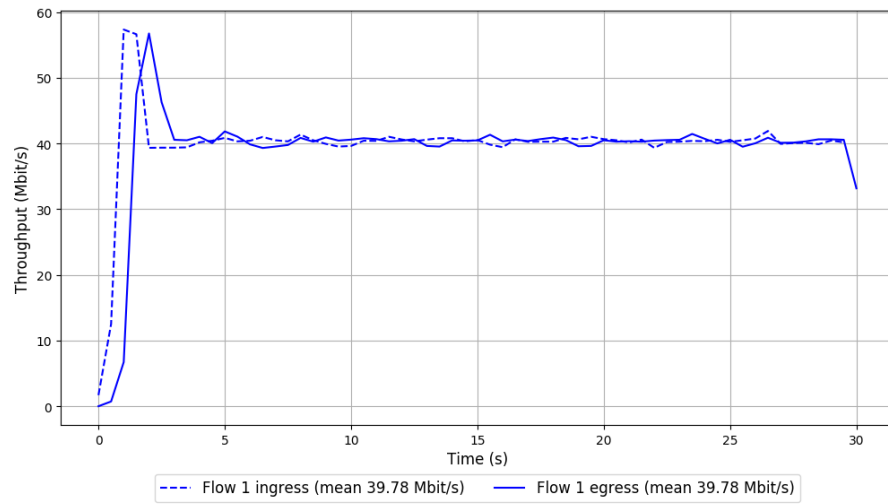
-- Flow 1:

Average throughput: 39.78 Mbit/s

95th percentile per-packet one-way delay: 83.642 ms

Loss rate: 0.55%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-08-01 16:55:20

End at: 2018-08-01 16:55:50

Local clock offset: -7.313 ms

Remote clock offset: 3.982 ms

Below is generated by plot.py at 2018-08-01 19:56:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.02 Mbit/s

95th percentile per-packet one-way delay: 87.663 ms

Loss rate: 0.65%

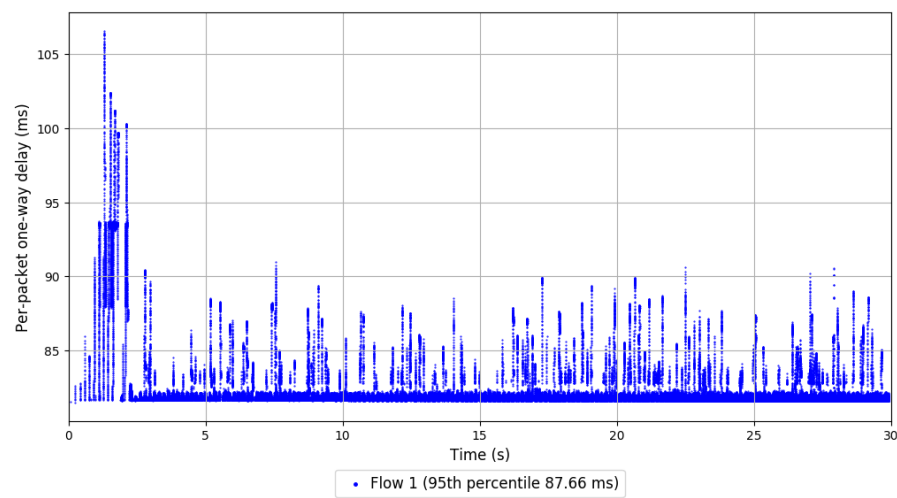
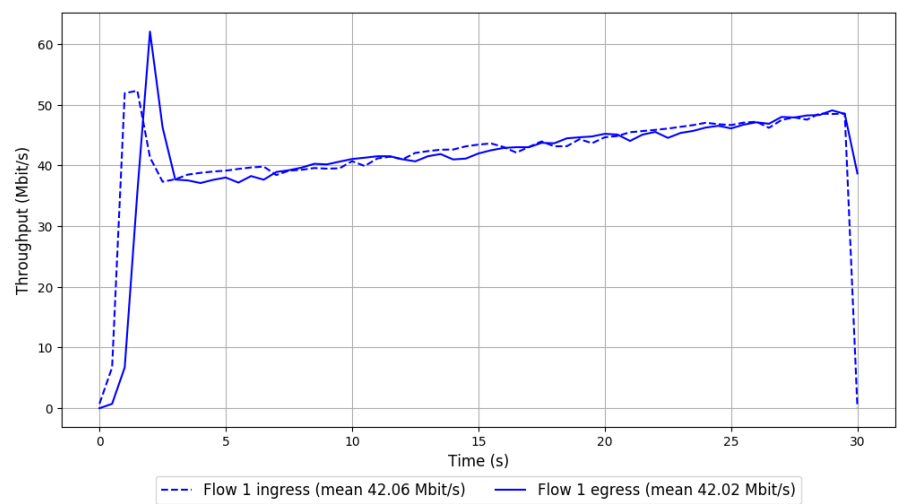
-- Flow 1:

Average throughput: 42.02 Mbit/s

95th percentile per-packet one-way delay: 87.663 ms

Loss rate: 0.65%

Run 2: Report of TCP Vegas — Data Link

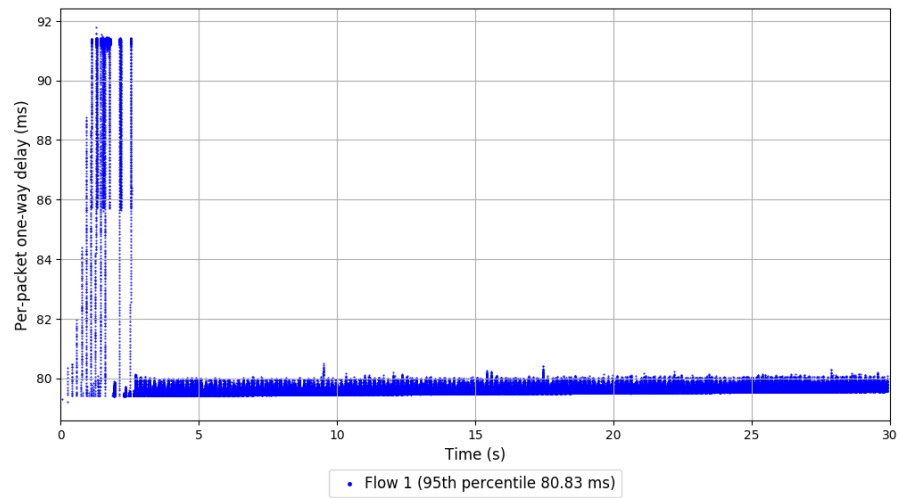
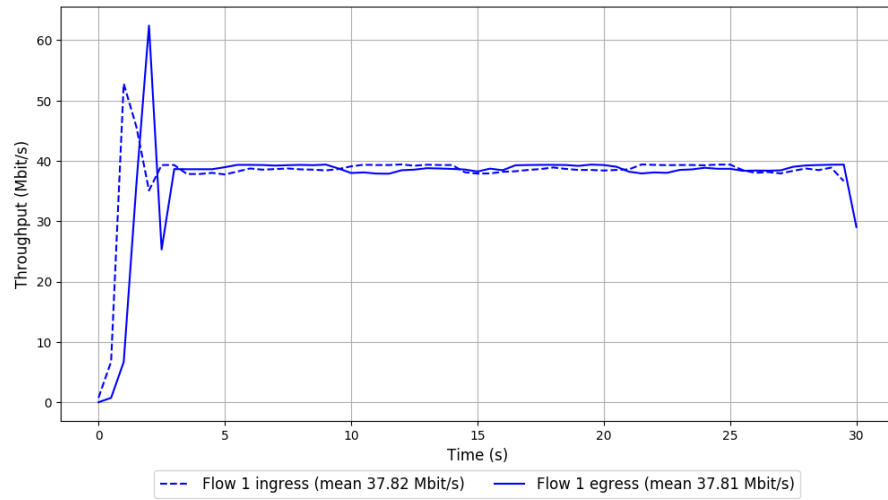


Run 3: Statistics of TCP Vegas

Start at: 2018-08-01 17:15:15
End at: 2018-08-01 17:15:45
Local clock offset: -7.412 ms
Remote clock offset: 12.383 ms

Below is generated by plot.py at 2018-08-01 19:56:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.81 Mbit/s
95th percentile per-packet one-way delay: 80.825 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 37.81 Mbit/s
95th percentile per-packet one-way delay: 80.825 ms
Loss rate: 0.57%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-08-01 17:35:20

End at: 2018-08-01 17:35:50

Local clock offset: -6.688 ms

Remote clock offset: 16.09 ms

Below is generated by plot.py at 2018-08-01 19:56:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.33 Mbit/s

95th percentile per-packet one-way delay: 80.614 ms

Loss rate: 0.98%

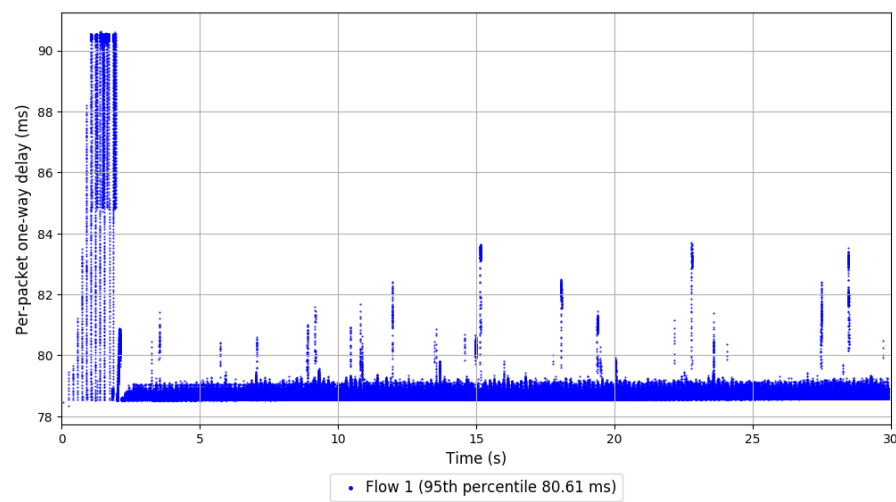
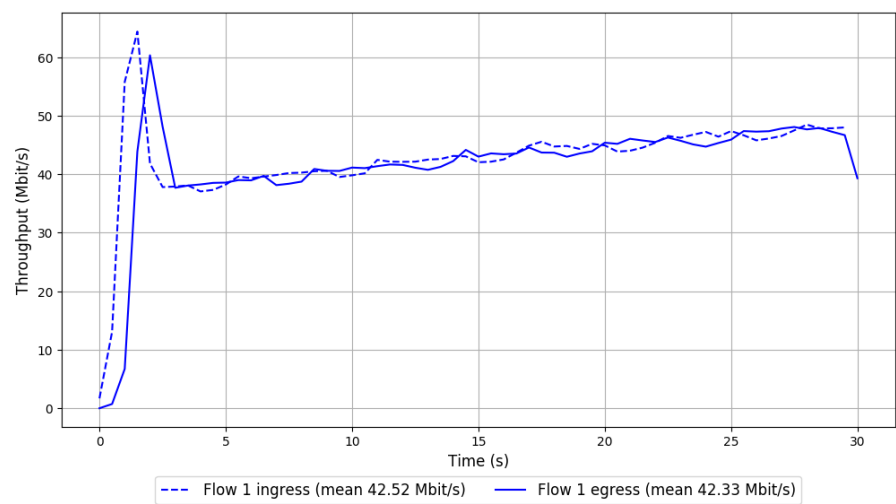
-- Flow 1:

Average throughput: 42.33 Mbit/s

95th percentile per-packet one-way delay: 80.614 ms

Loss rate: 0.98%

Run 4: Report of TCP Vegas — Data Link

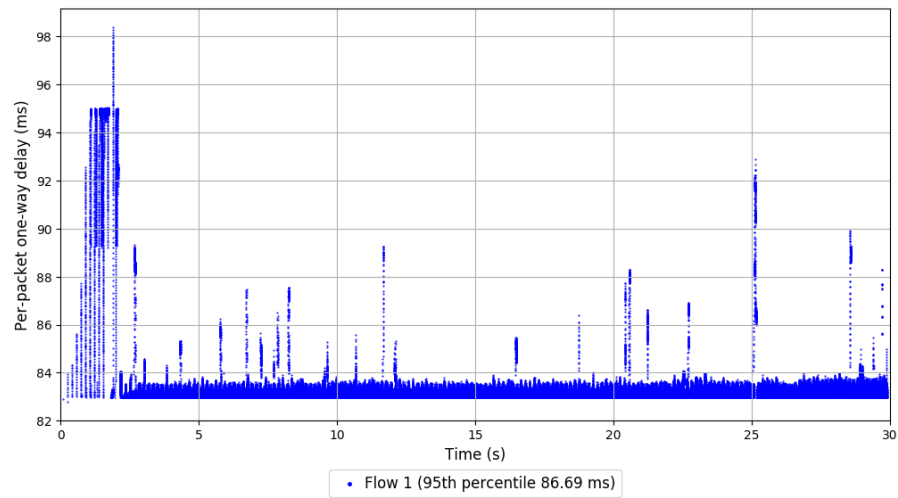
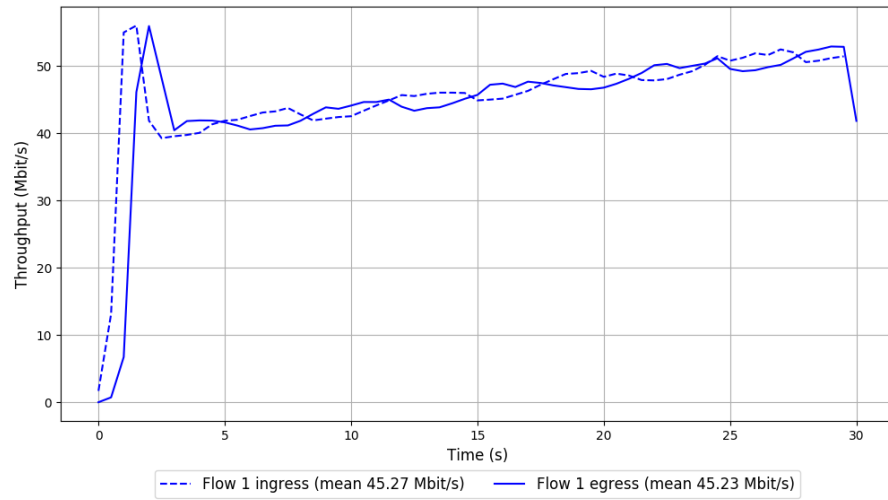


Run 5: Statistics of TCP Vegas

Start at: 2018-08-01 17:55:15
End at: 2018-08-01 17:55:45
Local clock offset: -6.632 ms
Remote clock offset: 10.073 ms

Below is generated by plot.py at 2018-08-01 19:56:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 45.23 Mbit/s
95th percentile per-packet one-way delay: 86.686 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 45.23 Mbit/s
95th percentile per-packet one-way delay: 86.686 ms
Loss rate: 0.63%

Run 5: Report of TCP Vegas — Data Link

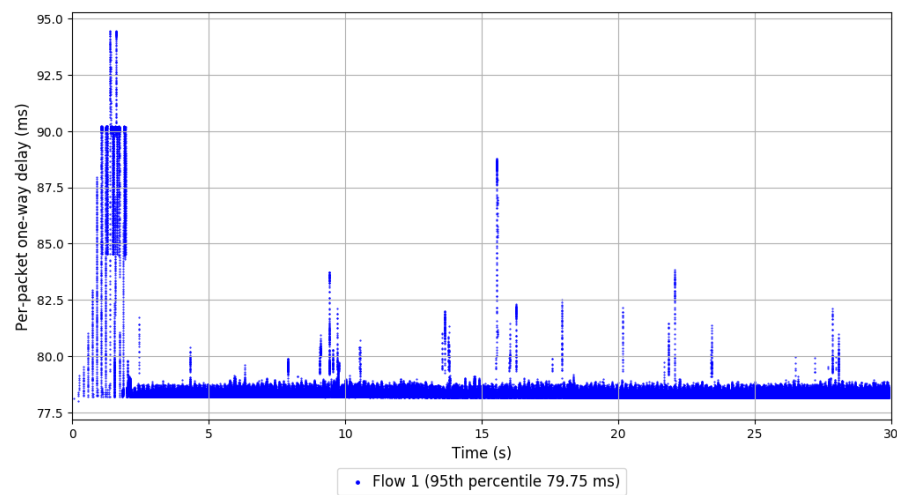
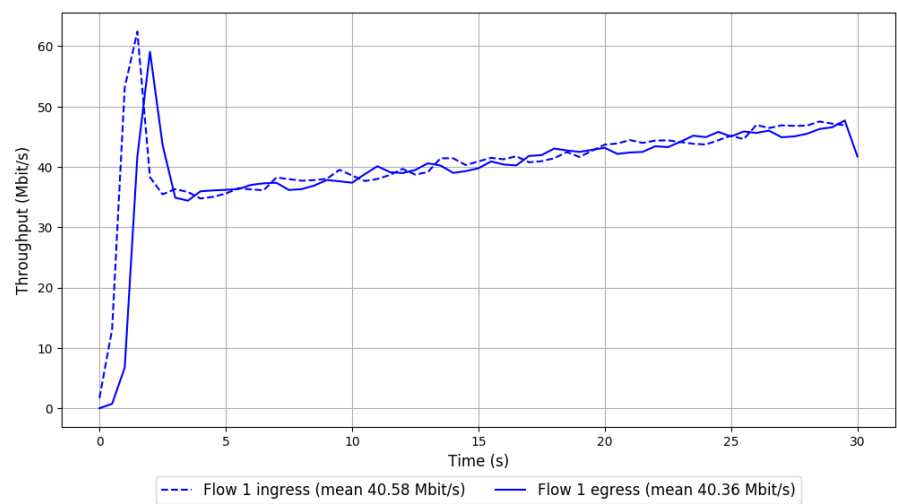


Run 6: Statistics of TCP Vegas

Start at: 2018-08-01 18:15:29
End at: 2018-08-01 18:15:59
Local clock offset: -6.753 ms
Remote clock offset: 14.835 ms

Below is generated by plot.py at 2018-08-01 19:56:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.36 Mbit/s
95th percentile per-packet one-way delay: 79.754 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 40.36 Mbit/s
95th percentile per-packet one-way delay: 79.754 ms
Loss rate: 1.08%

Run 6: Report of TCP Vegas — Data Link

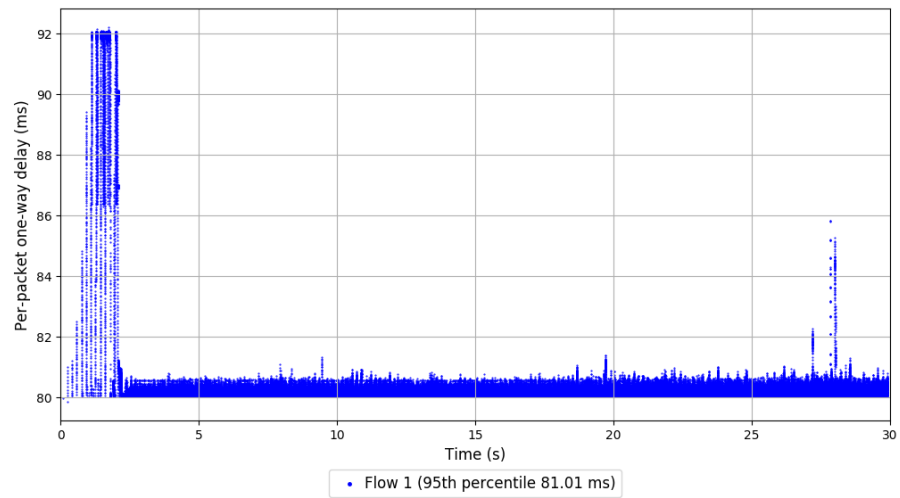
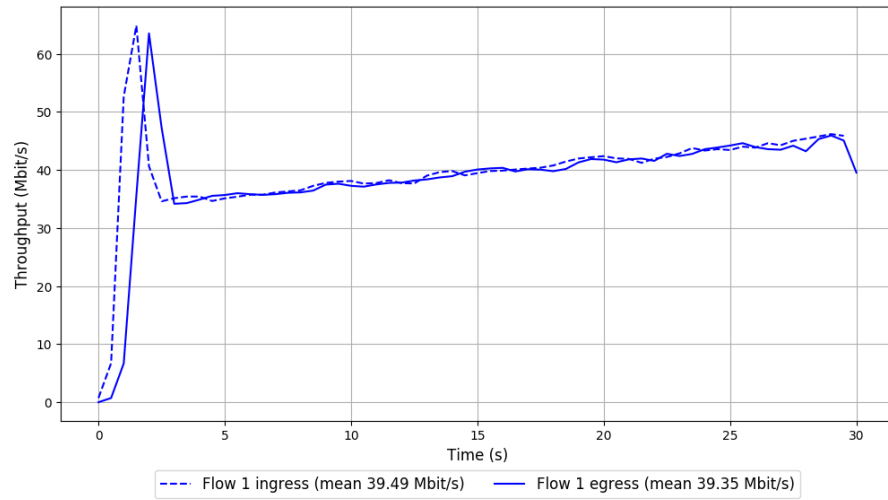


Run 7: Statistics of TCP Vegas

Start at: 2018-08-01 18:35:24
End at: 2018-08-01 18:35:54
Local clock offset: -6.684 ms
Remote clock offset: 13.939 ms

Below is generated by plot.py at 2018-08-01 19:56:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 39.35 Mbit/s
95th percentile per-packet one-way delay: 81.006 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 39.35 Mbit/s
95th percentile per-packet one-way delay: 81.006 ms
Loss rate: 0.91%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-08-01 18:55:20

End at: 2018-08-01 18:55:50

Local clock offset: -6.674 ms

Remote clock offset: 9.519 ms

Below is generated by plot.py at 2018-08-01 19:56:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 39.89 Mbit/s

95th percentile per-packet one-way delay: 78.431 ms

Loss rate: 0.55%

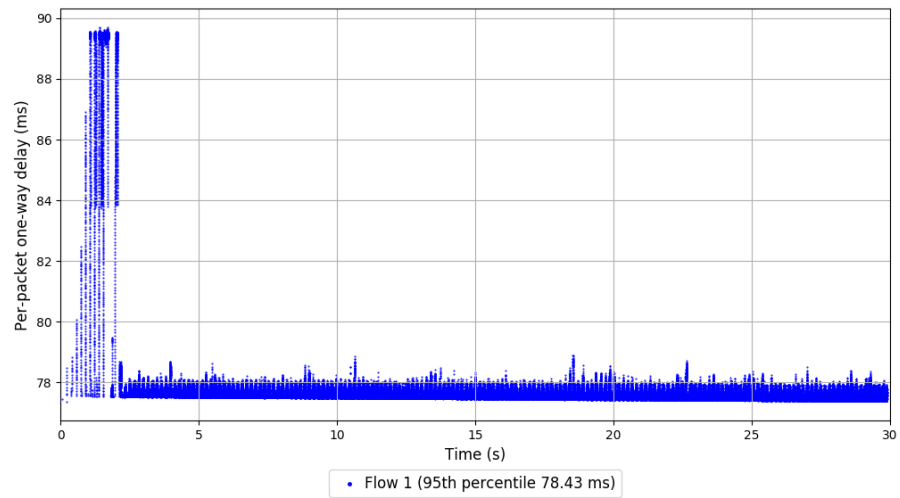
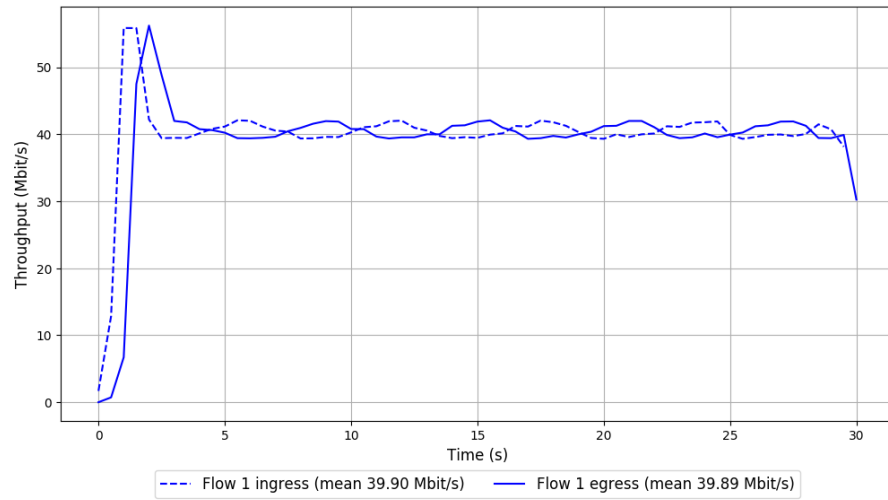
-- Flow 1:

Average throughput: 39.89 Mbit/s

95th percentile per-packet one-way delay: 78.431 ms

Loss rate: 0.55%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-08-01 19:15:18

End at: 2018-08-01 19:15:48

Local clock offset: -6.639 ms

Remote clock offset: 2.284 ms

Below is generated by plot.py at 2018-08-01 19:56:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 38.59 Mbit/s

95th percentile per-packet one-way delay: 85.979 ms

Loss rate: 0.56%

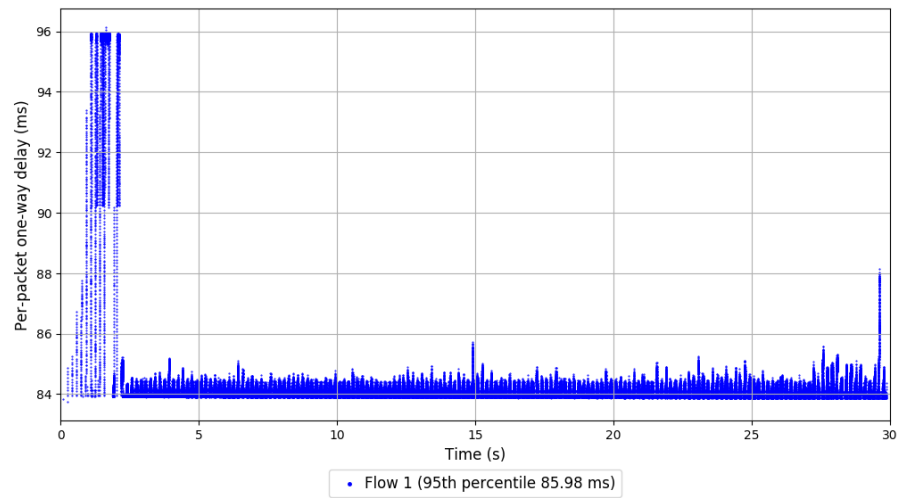
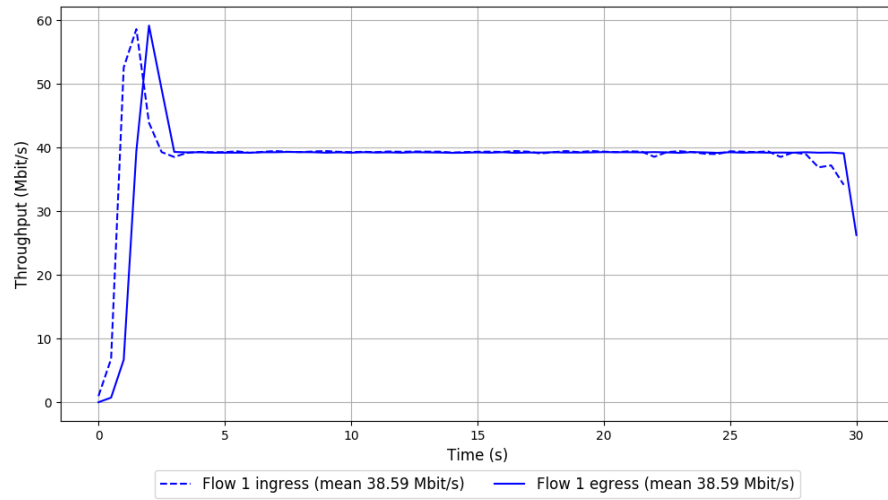
-- Flow 1:

Average throughput: 38.59 Mbit/s

95th percentile per-packet one-way delay: 85.979 ms

Loss rate: 0.56%

Run 9: Report of TCP Vegas — Data Link

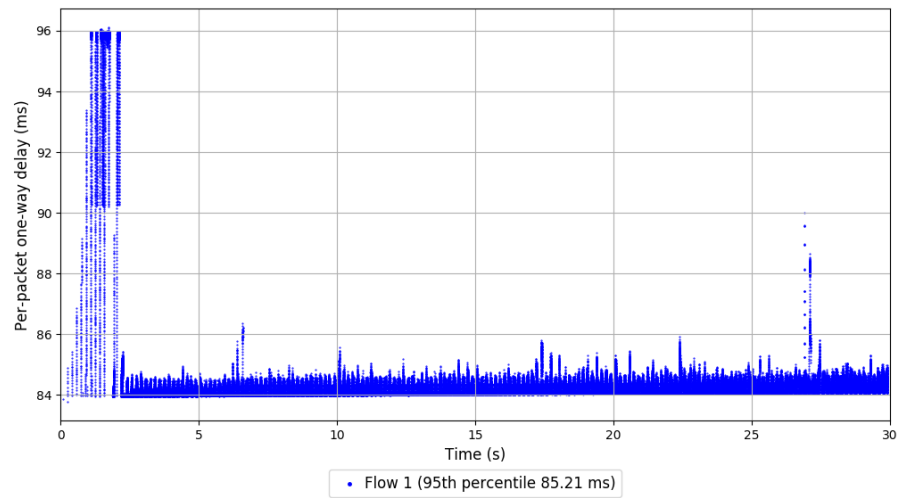
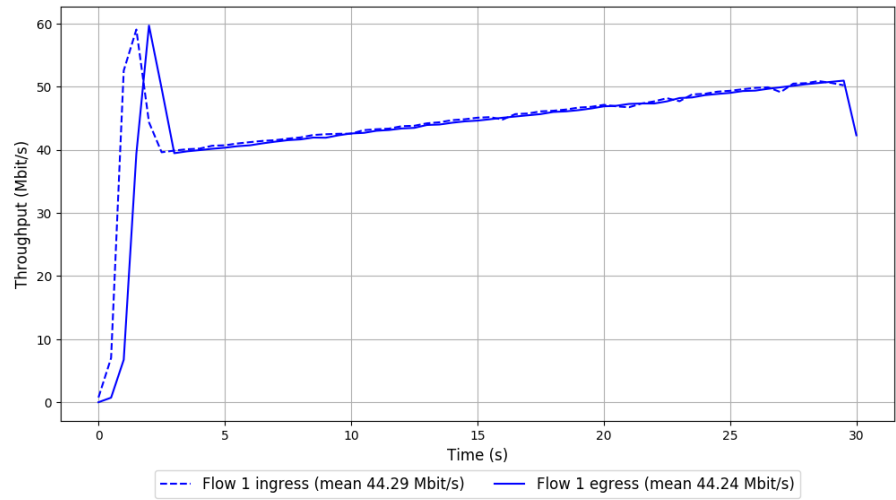


Run 10: Statistics of TCP Vegas

Start at: 2018-08-01 19:35:14
End at: 2018-08-01 19:35:44
Local clock offset: -6.126 ms
Remote clock offset: 10.601 ms

Below is generated by plot.py at 2018-08-01 19:56:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 44.24 Mbit/s
95th percentile per-packet one-way delay: 85.206 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 44.24 Mbit/s
95th percentile per-packet one-way delay: 85.206 ms
Loss rate: 0.64%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-08-01 16:29:29

End at: 2018-08-01 16:29:59

Local clock offset: -7.863 ms

Remote clock offset: 4.932 ms

Below is generated by plot.py at 2018-08-01 19:56:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 36.23 Mbit/s

95th percentile per-packet one-way delay: 96.810 ms

Loss rate: 0.07%

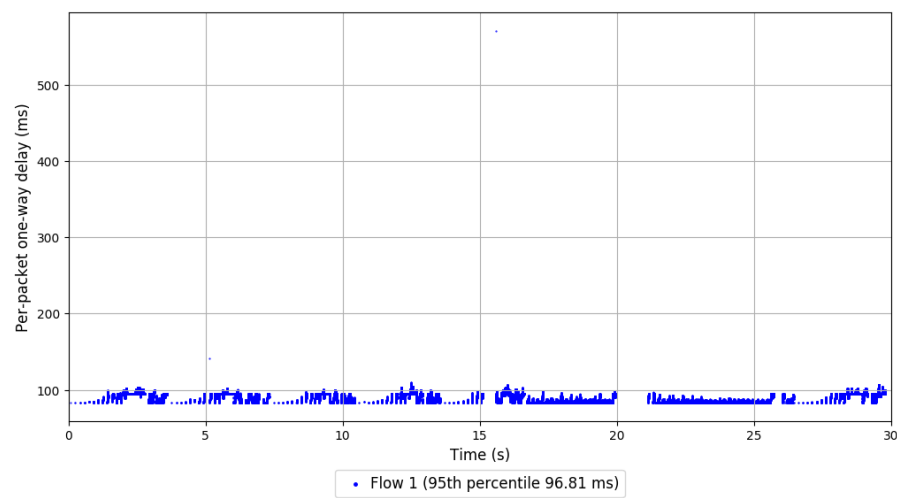
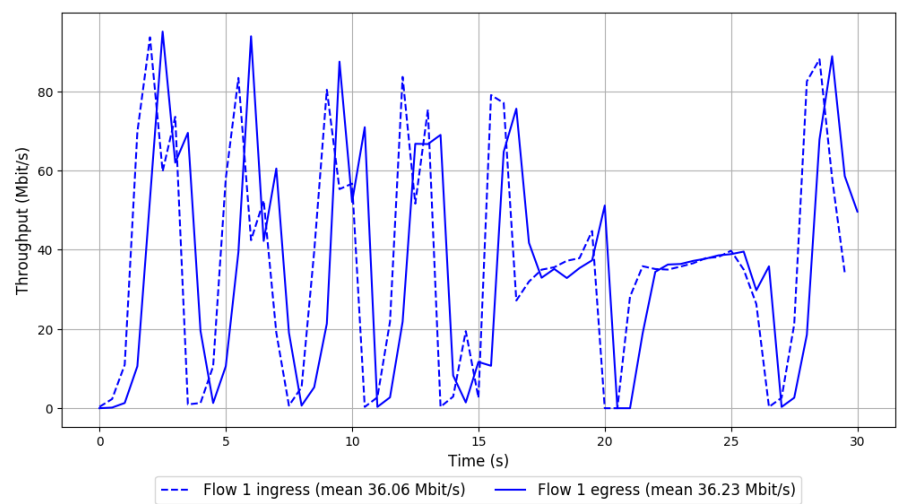
-- Flow 1:

Average throughput: 36.23 Mbit/s

95th percentile per-packet one-way delay: 96.810 ms

Loss rate: 0.07%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-08-01 16:49:23

End at: 2018-08-01 16:49:53

Local clock offset: -7.34 ms

Remote clock offset: 3.995 ms

Below is generated by plot.py at 2018-08-01 19:56:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.09 Mbit/s

95th percentile per-packet one-way delay: 97.570 ms

Loss rate: 1.14%

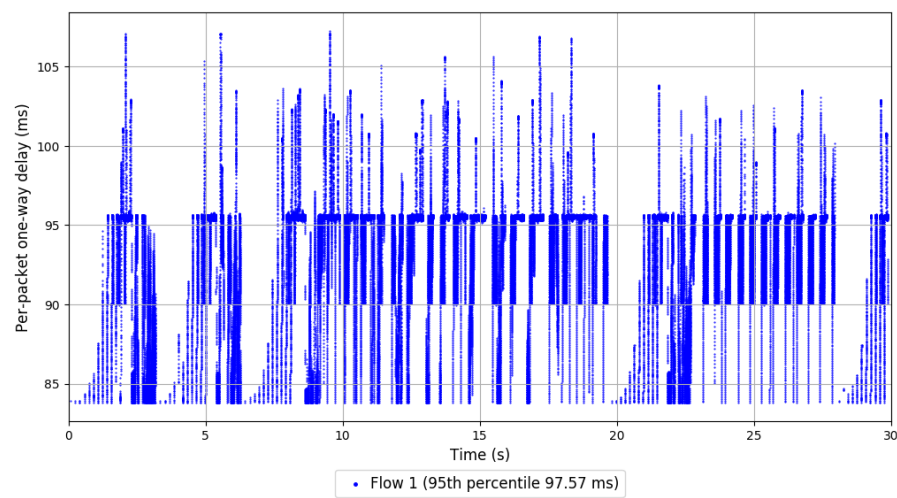
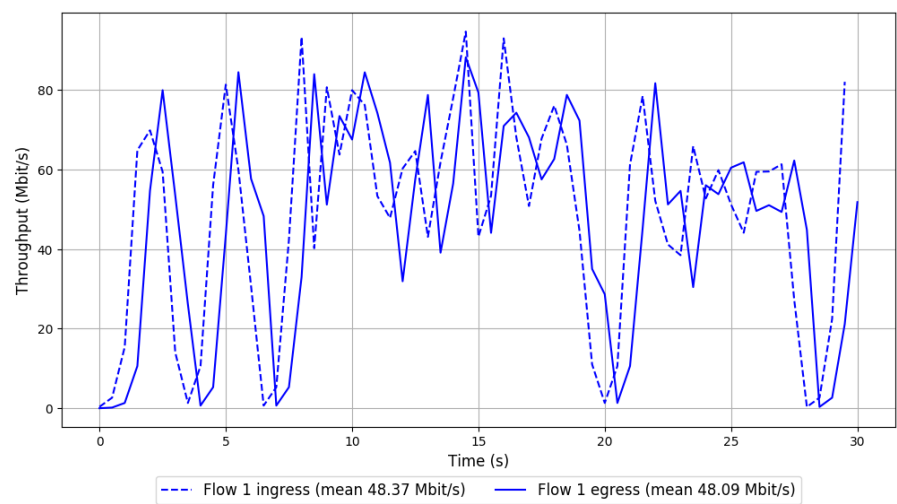
-- Flow 1:

Average throughput: 48.09 Mbit/s

95th percentile per-packet one-way delay: 97.570 ms

Loss rate: 1.14%

Run 2: Report of Verus — Data Link

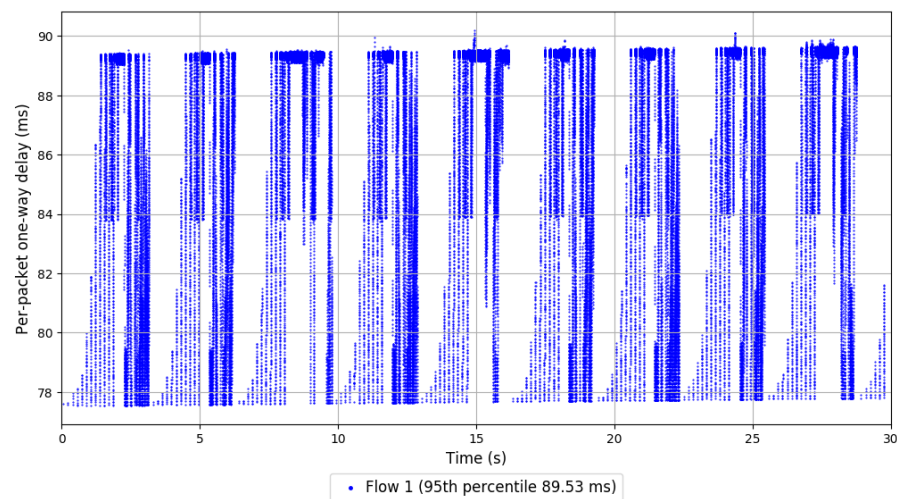
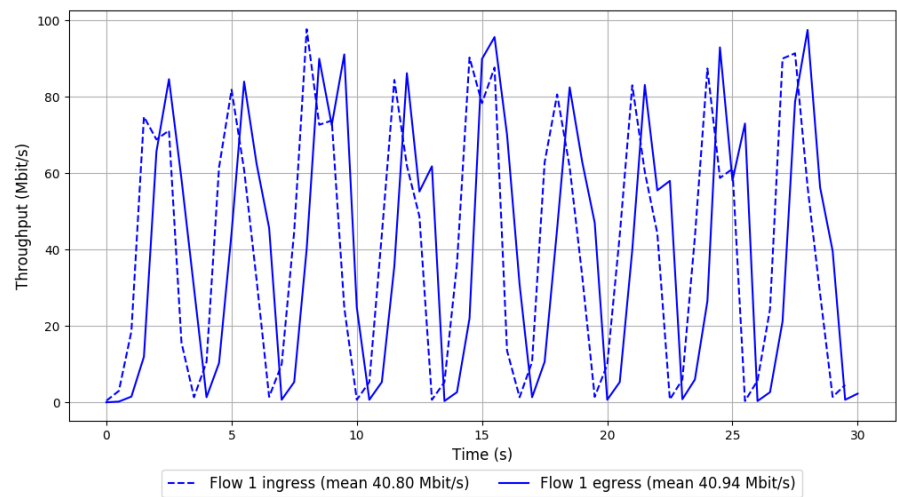


Run 3: Statistics of Verus

Start at: 2018-08-01 17:09:18
End at: 2018-08-01 17:09:48
Local clock offset: -7.367 ms
Remote clock offset: 11.039 ms

Below is generated by plot.py at 2018-08-01 19:56:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.94 Mbit/s
95th percentile per-packet one-way delay: 89.531 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 40.94 Mbit/s
95th percentile per-packet one-way delay: 89.531 ms
Loss rate: 0.21%

Run 3: Report of Verus — Data Link

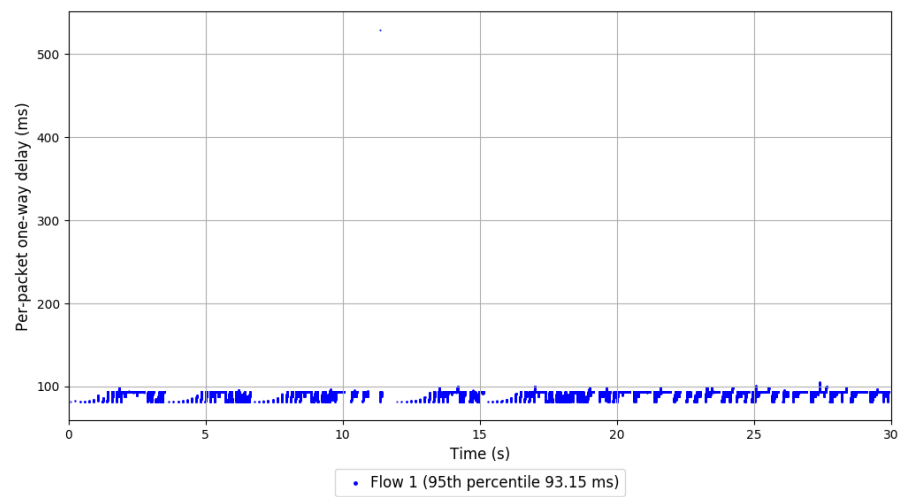
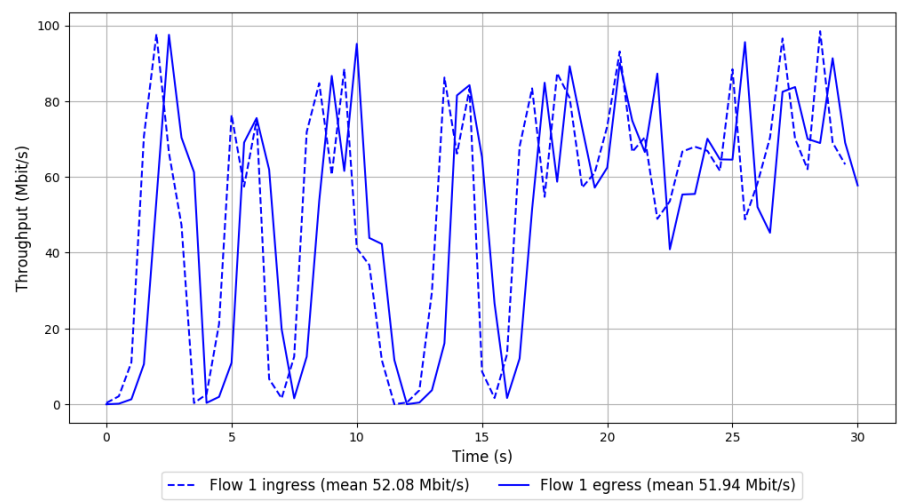


Run 4: Statistics of Verus

Start at: 2018-08-01 17:29:14
End at: 2018-08-01 17:29:44
Local clock offset: -6.942 ms
Remote clock offset: 15.092 ms

Below is generated by plot.py at 2018-08-01 19:56:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 51.94 Mbit/s
95th percentile per-packet one-way delay: 93.152 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 51.94 Mbit/s
95th percentile per-packet one-way delay: 93.152 ms
Loss rate: 0.85%

Run 4: Report of Verus — Data Link

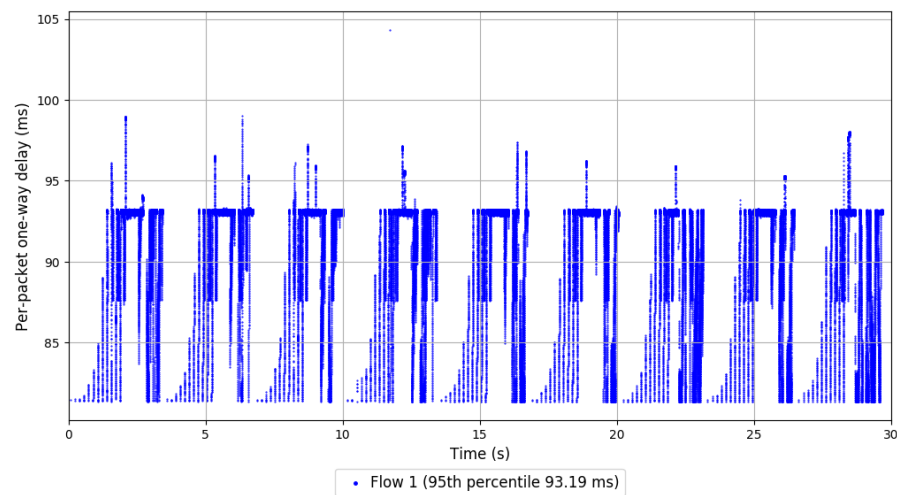
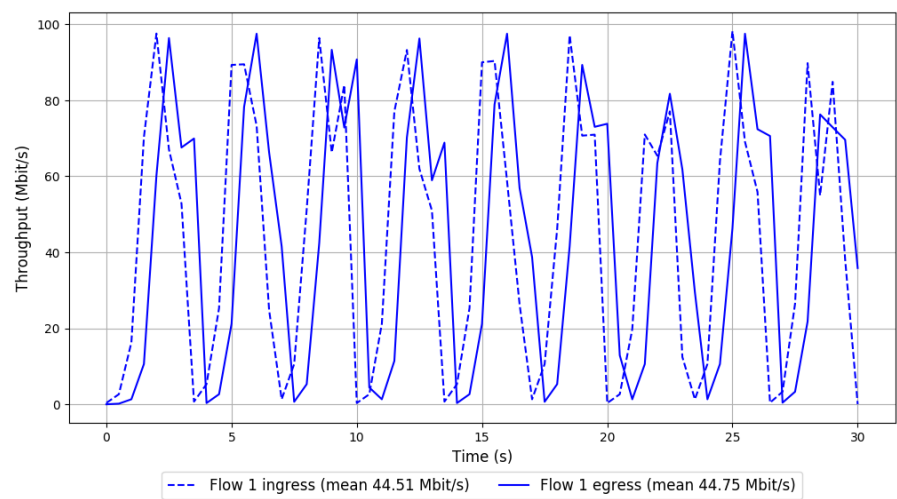


Run 5: Statistics of Verus

Start at: 2018-08-01 17:49:19
End at: 2018-08-01 17:49:49
Local clock offset: -6.638 ms
Remote clock offset: 11.345 ms

Below is generated by plot.py at 2018-08-01 19:56:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 44.75 Mbit/s
95th percentile per-packet one-way delay: 93.194 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 44.75 Mbit/s
95th percentile per-packet one-way delay: 93.194 ms
Loss rate: 0.78%

Run 5: Report of Verus — Data Link

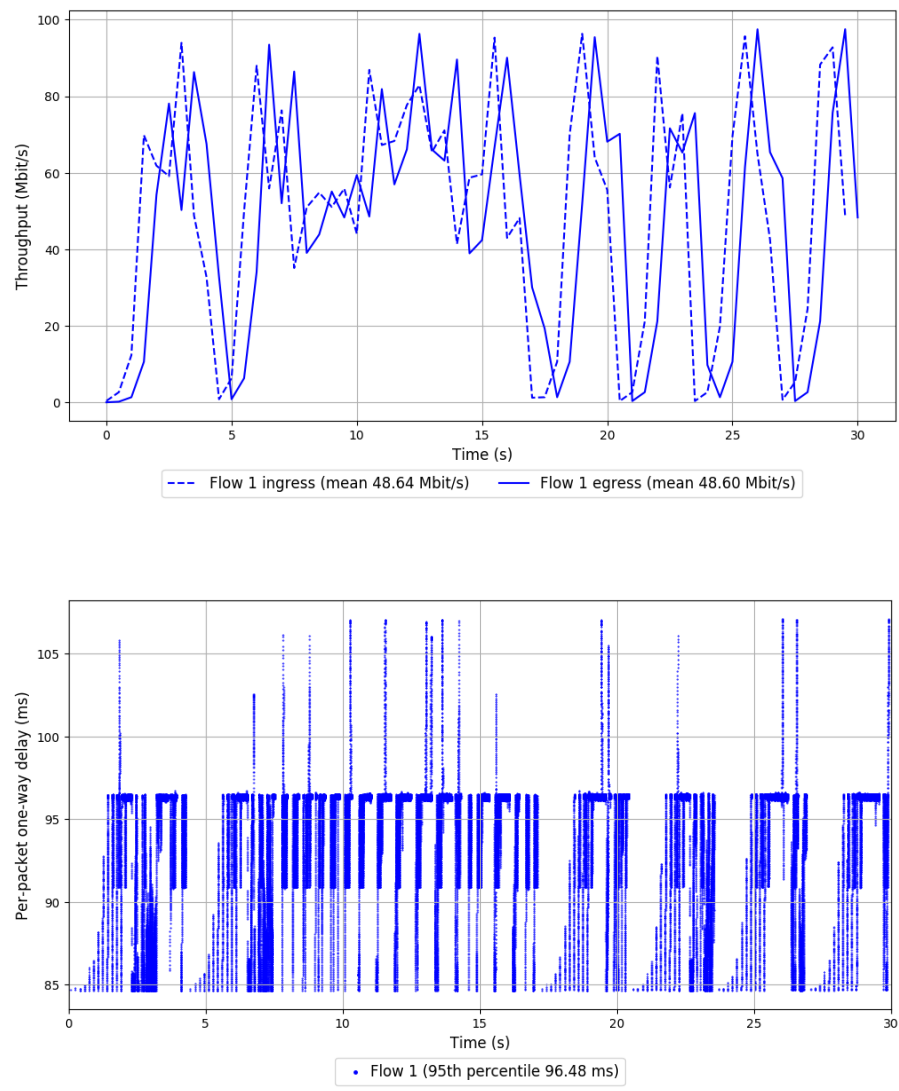


Run 6: Statistics of Verus

Start at: 2018-08-01 18:09:23
End at: 2018-08-01 18:09:53
Local clock offset: -6.698 ms
Remote clock offset: 10.239 ms

Below is generated by plot.py at 2018-08-01 19:56:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 48.60 Mbit/s
95th percentile per-packet one-way delay: 96.478 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 48.60 Mbit/s
95th percentile per-packet one-way delay: 96.478 ms
Loss rate: 0.59%

Run 6: Report of Verus — Data Link

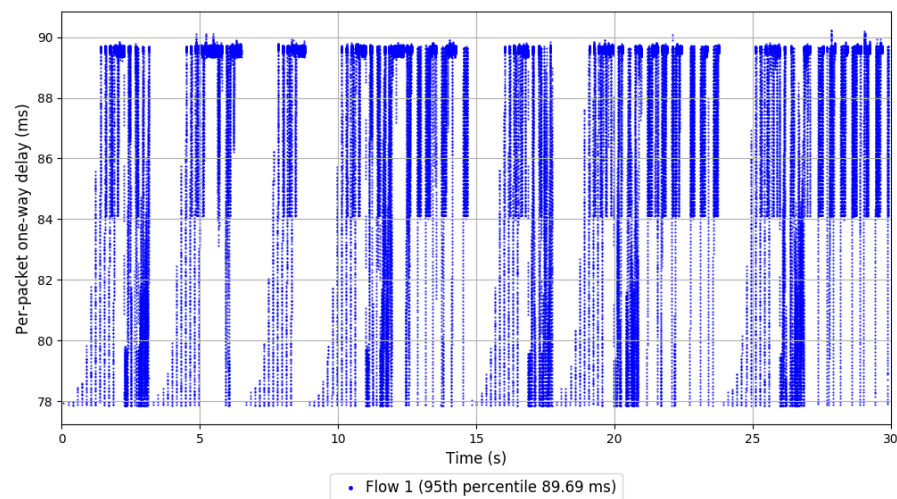
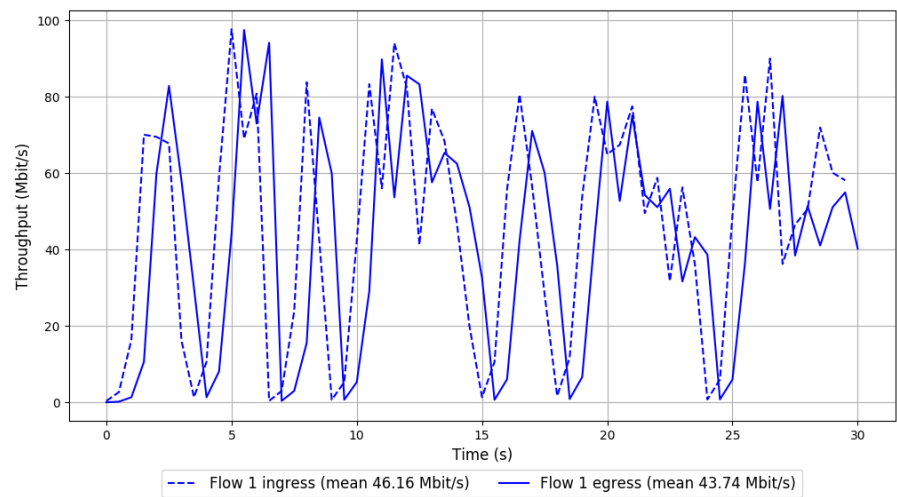


Run 7: Statistics of Verus

Start at: 2018-08-01 18:29:28
End at: 2018-08-01 18:29:58
Local clock offset: -6.699 ms
Remote clock offset: 13.989 ms

Below is generated by plot.py at 2018-08-01 19:56:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 43.74 Mbit/s
95th percentile per-packet one-way delay: 89.685 ms
Loss rate: 5.71%
-- Flow 1:
Average throughput: 43.74 Mbit/s
95th percentile per-packet one-way delay: 89.685 ms
Loss rate: 5.71%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-08-01 18:49:22

End at: 2018-08-01 18:49:52

Local clock offset: -6.697 ms

Remote clock offset: 8.267 ms

Below is generated by plot.py at 2018-08-01 19:56:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.41 Mbit/s

95th percentile per-packet one-way delay: 95.011 ms

Loss rate: 0.86%

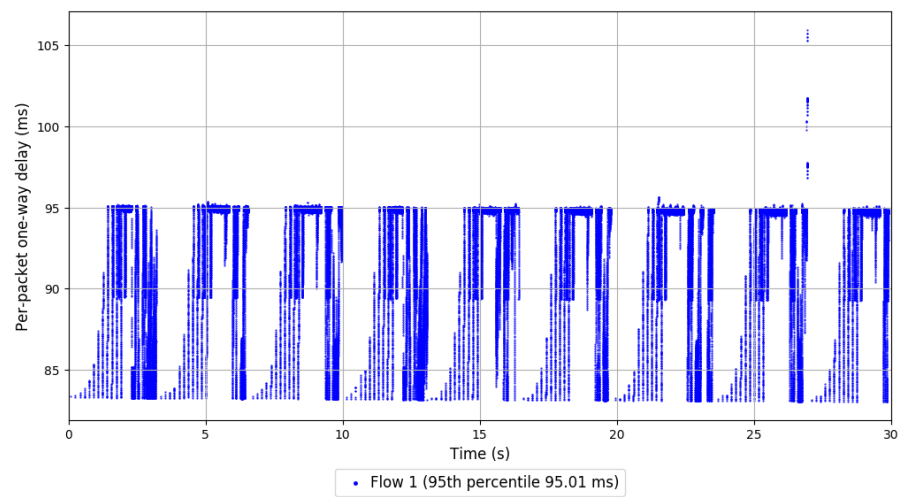
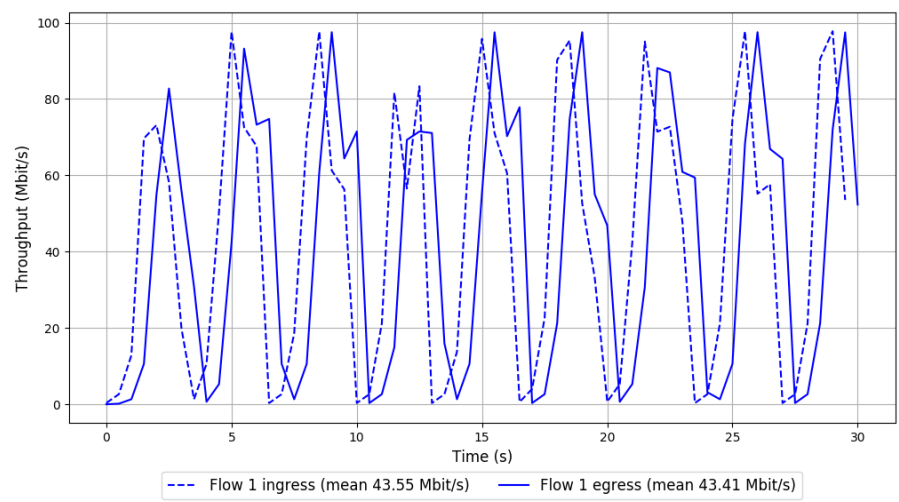
-- Flow 1:

Average throughput: 43.41 Mbit/s

95th percentile per-packet one-way delay: 95.011 ms

Loss rate: 0.86%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-08-01 19:09:19

End at: 2018-08-01 19:09:49

Local clock offset: -6.609 ms

Remote clock offset: 6.658 ms

Below is generated by plot.py at 2018-08-01 19:56:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 45.89 Mbit/s

95th percentile per-packet one-way delay: 89.663 ms

Loss rate: 3.77%

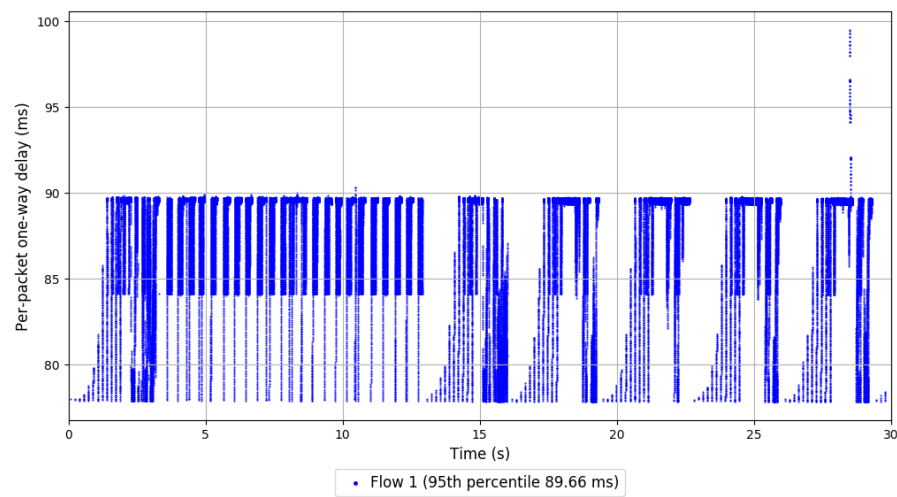
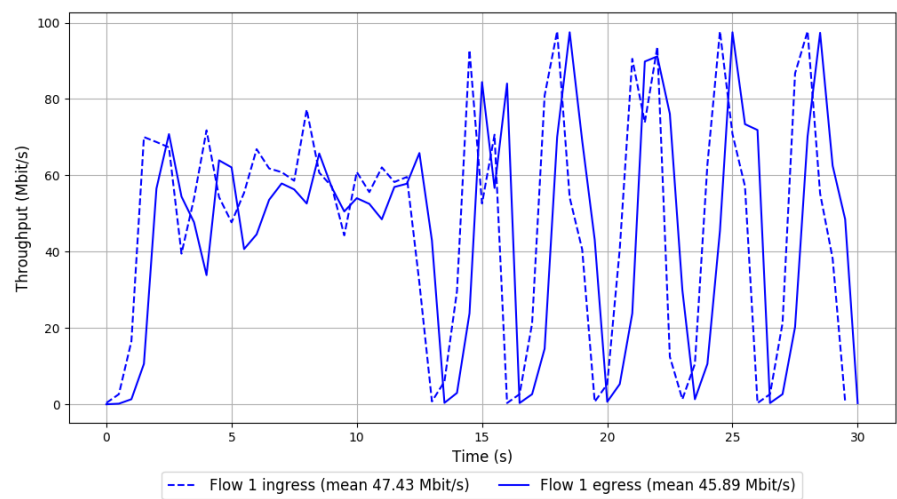
-- Flow 1:

Average throughput: 45.89 Mbit/s

95th percentile per-packet one-way delay: 89.663 ms

Loss rate: 3.77%

Run 9: Report of Verus — Data Link

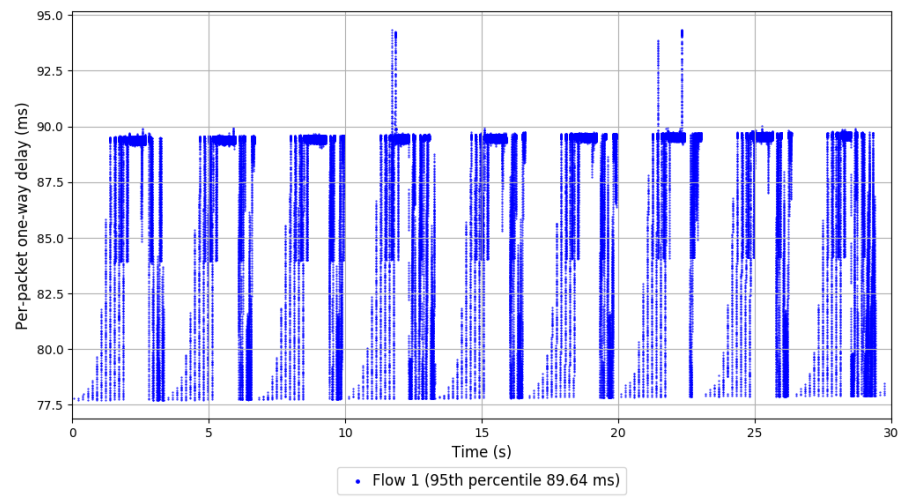
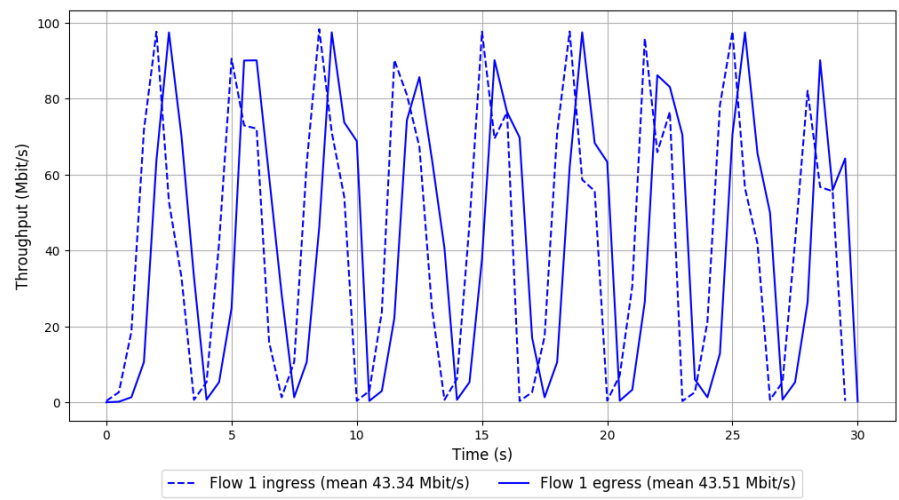


Run 10: Statistics of Verus

Start at: 2018-08-01 19:29:16
End at: 2018-08-01 19:29:46
Local clock offset: -6.284 ms
Remote clock offset: 12.128 ms

Below is generated by plot.py at 2018-08-01 19:56:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 43.51 Mbit/s
95th percentile per-packet one-way delay: 89.644 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 43.51 Mbit/s
95th percentile per-packet one-way delay: 89.644 ms
Loss rate: 0.14%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-08-01 16:31:45

End at: 2018-08-01 16:32:15

Local clock offset: -7.567 ms

Remote clock offset: 8.519 ms

Below is generated by plot.py at 2018-08-01 19:57:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.37 Mbit/s

95th percentile per-packet one-way delay: 81.813 ms

Loss rate: 2.29%

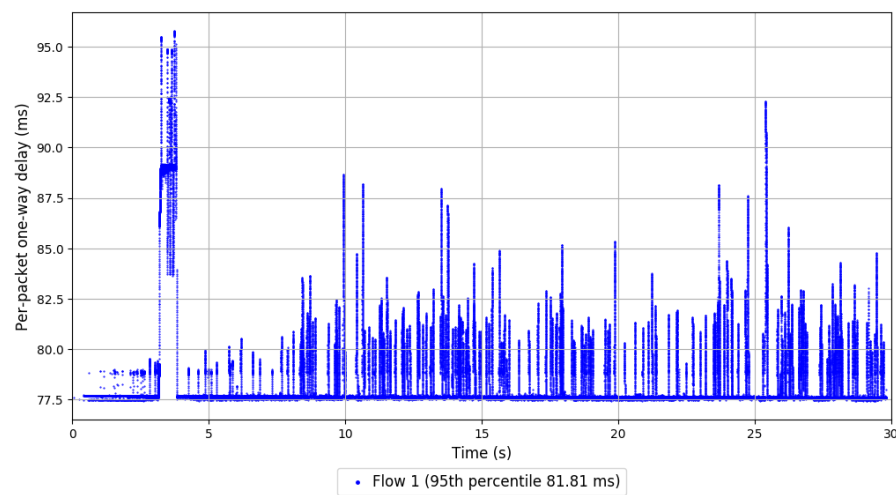
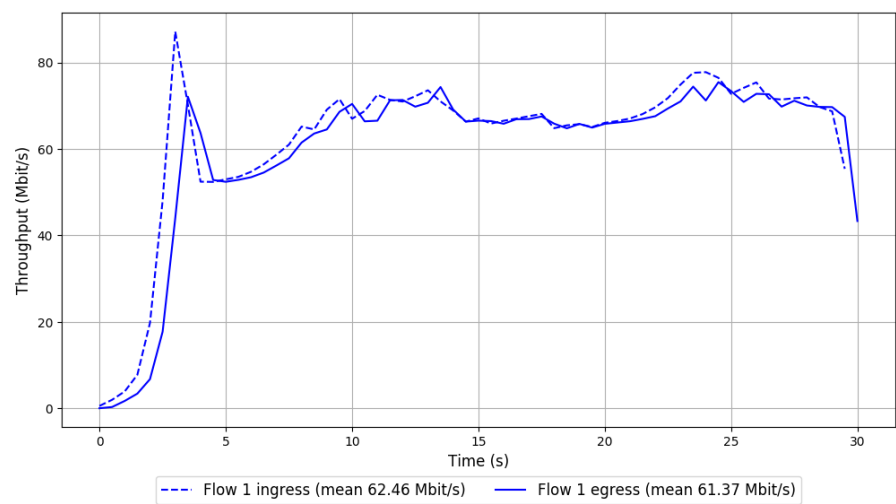
-- Flow 1:

Average throughput: 61.37 Mbit/s

95th percentile per-packet one-way delay: 81.813 ms

Loss rate: 2.29%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-08-01 16:51:40

End at: 2018-08-01 16:52:10

Local clock offset: -7.414 ms

Remote clock offset: 8.863 ms

Below is generated by plot.py at 2018-08-01 19:57:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.99 Mbit/s

95th percentile per-packet one-way delay: 86.914 ms

Loss rate: 0.67%

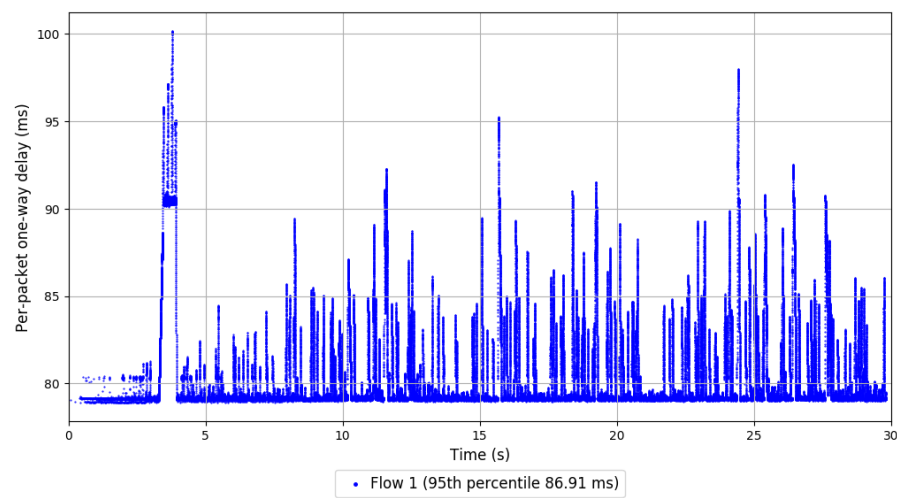
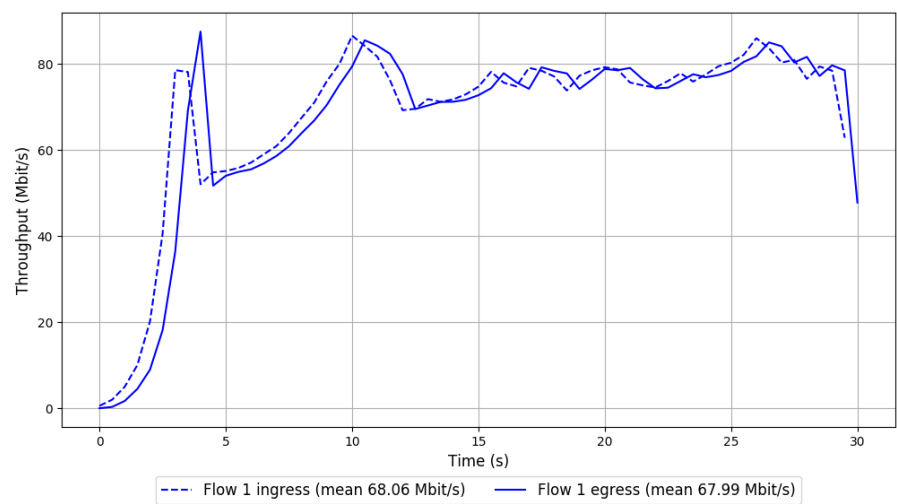
-- Flow 1:

Average throughput: 67.99 Mbit/s

95th percentile per-packet one-way delay: 86.914 ms

Loss rate: 0.67%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-08-01 17:11:35

End at: 2018-08-01 17:12:05

Local clock offset: -7.395 ms

Remote clock offset: 7.365 ms

Below is generated by plot.py at 2018-08-01 19:57:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.21 Mbit/s

95th percentile per-packet one-way delay: 87.359 ms

Loss rate: 0.66%

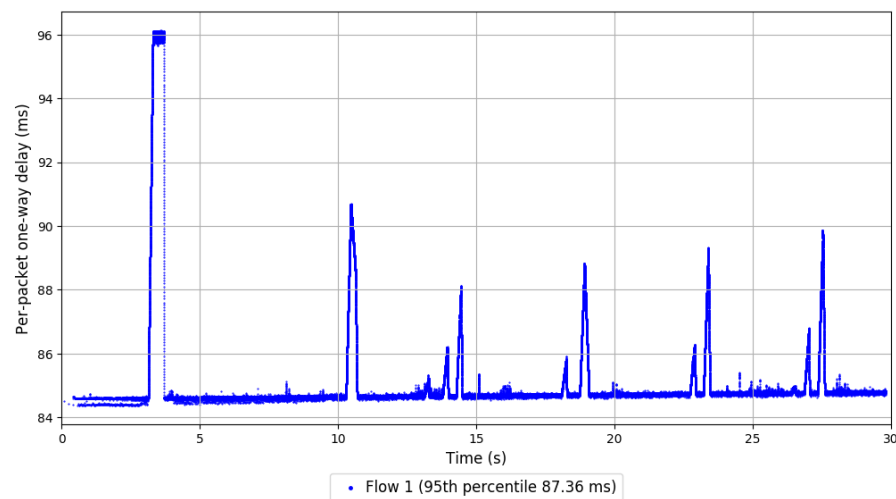
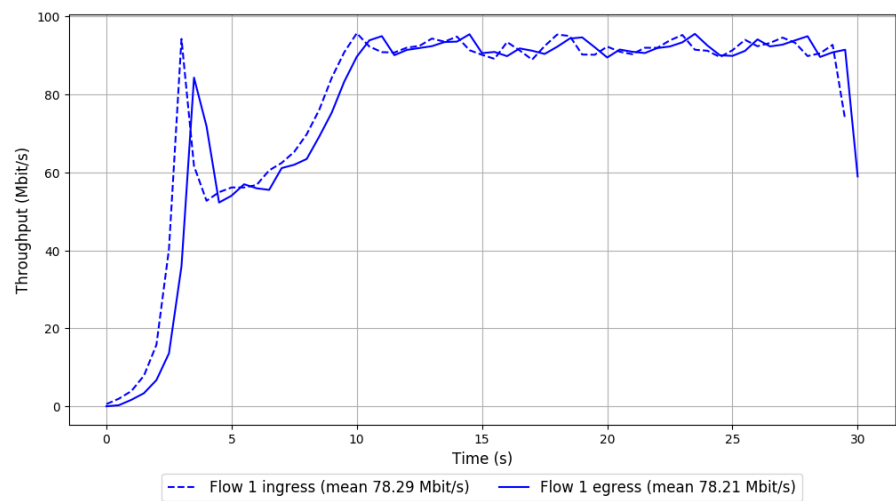
-- Flow 1:

Average throughput: 78.21 Mbit/s

95th percentile per-packet one-way delay: 87.359 ms

Loss rate: 0.66%

Run 3: Report of PCC-Vivace — Data Link

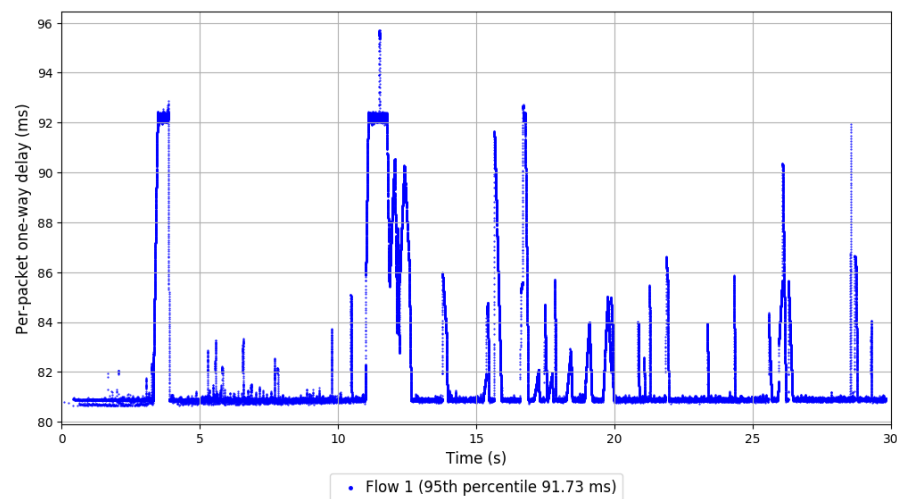
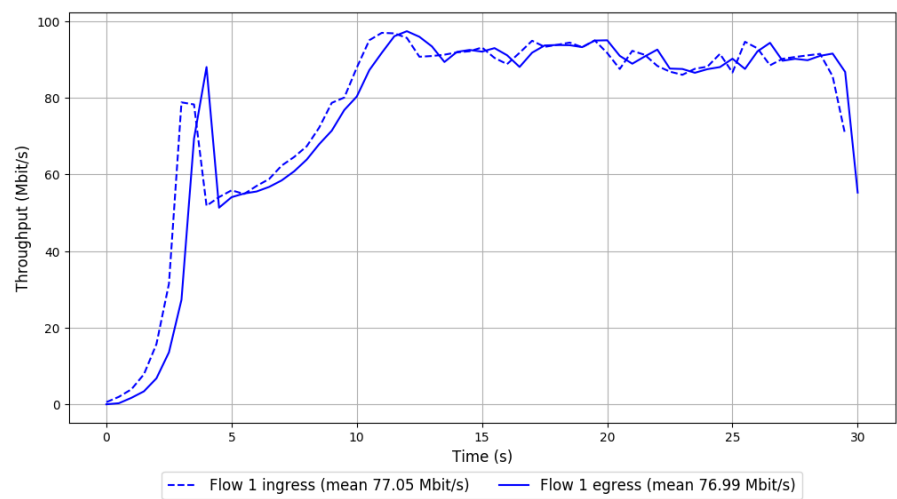


Run 4: Statistics of PCC-Vivace

Start at: 2018-08-01 17:31:31
End at: 2018-08-01 17:32:01
Local clock offset: -6.828 ms
Remote clock offset: 15.612 ms

Below is generated by plot.py at 2018-08-01 19:57:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.99 Mbit/s
95th percentile per-packet one-way delay: 91.726 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 76.99 Mbit/s
95th percentile per-packet one-way delay: 91.726 ms
Loss rate: 0.64%

Run 4: Report of PCC-Vivace — Data Link

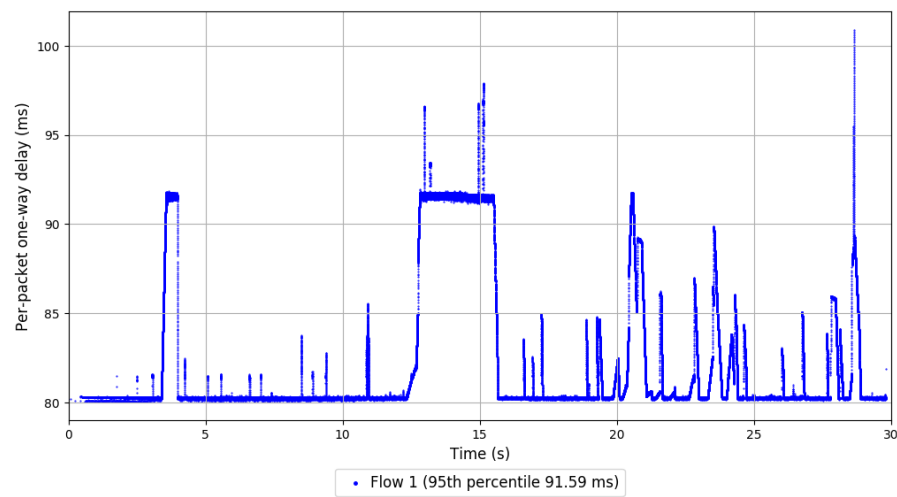
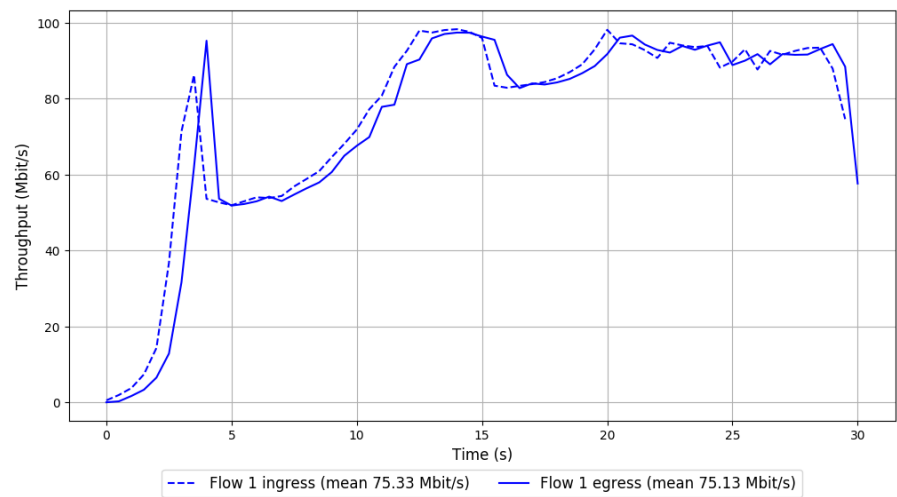


Run 5: Statistics of PCC-Vivace

Start at: 2018-08-01 17:51:36
End at: 2018-08-01 17:52:06
Local clock offset: -6.639 ms
Remote clock offset: 15.079 ms

Below is generated by plot.py at 2018-08-01 19:57:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.13 Mbit/s
95th percentile per-packet one-way delay: 91.588 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 75.13 Mbit/s
95th percentile per-packet one-way delay: 91.588 ms
Loss rate: 0.83%

Run 5: Report of PCC-Vivace — Data Link

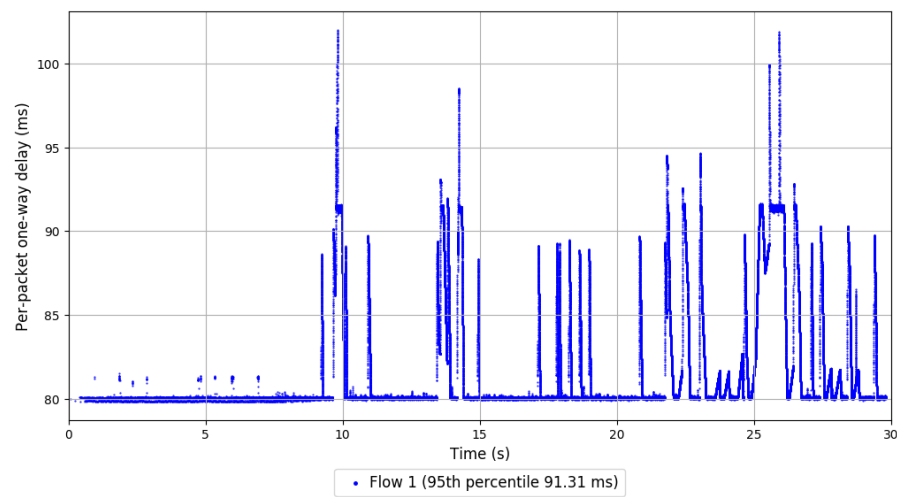
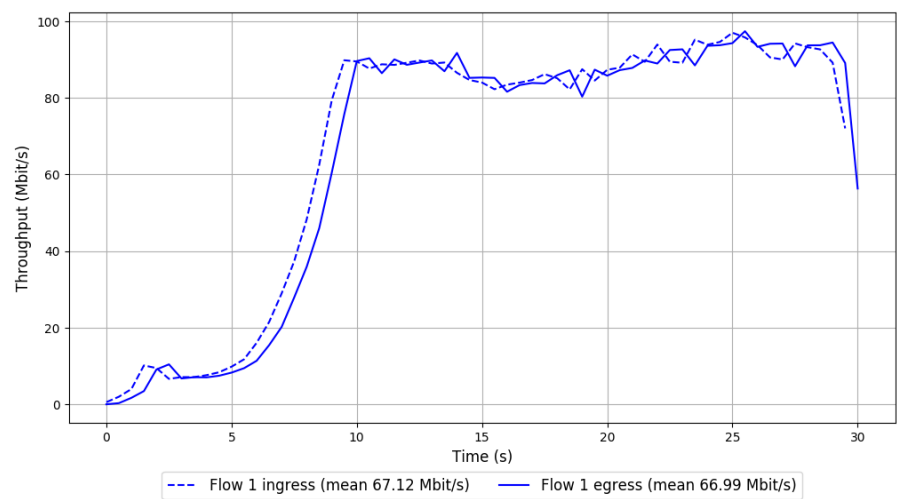


Run 6: Statistics of PCC-Vivace

Start at: 2018-08-01 18:11:40
End at: 2018-08-01 18:12:10
Local clock offset: -6.707 ms
Remote clock offset: 15.148 ms

Below is generated by plot.py at 2018-08-01 19:57:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.99 Mbit/s
95th percentile per-packet one-way delay: 91.314 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 66.99 Mbit/s
95th percentile per-packet one-way delay: 91.314 ms
Loss rate: 0.76%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-08-01 18:31:45

End at: 2018-08-01 18:32:15

Local clock offset: -6.752 ms

Remote clock offset: 13.97 ms

Below is generated by plot.py at 2018-08-01 19:57:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.38 Mbit/s

95th percentile per-packet one-way delay: 79.776 ms

Loss rate: 1.83%

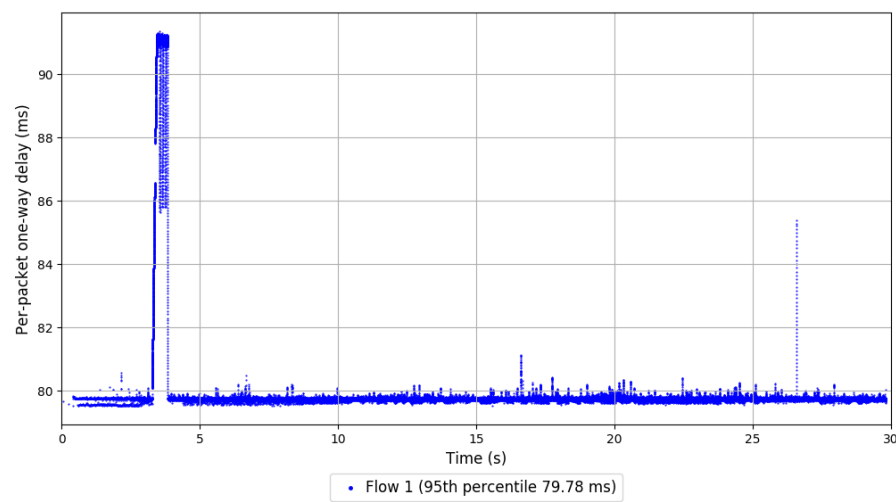
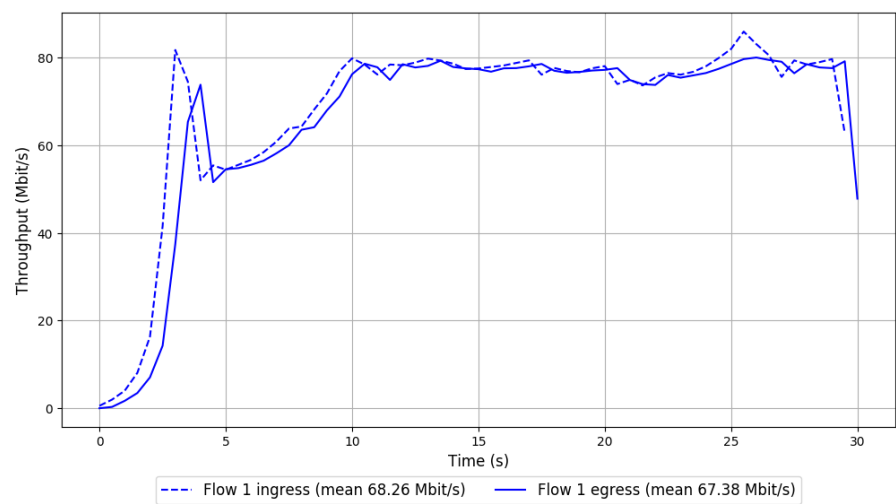
-- Flow 1:

Average throughput: 67.38 Mbit/s

95th percentile per-packet one-way delay: 79.776 ms

Loss rate: 1.83%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-08-01 18:51:39

End at: 2018-08-01 18:52:09

Local clock offset: -6.72 ms

Remote clock offset: 6.155 ms

Below is generated by plot.py at 2018-08-01 19:57:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.99 Mbit/s

95th percentile per-packet one-way delay: 93.576 ms

Loss rate: 0.77%

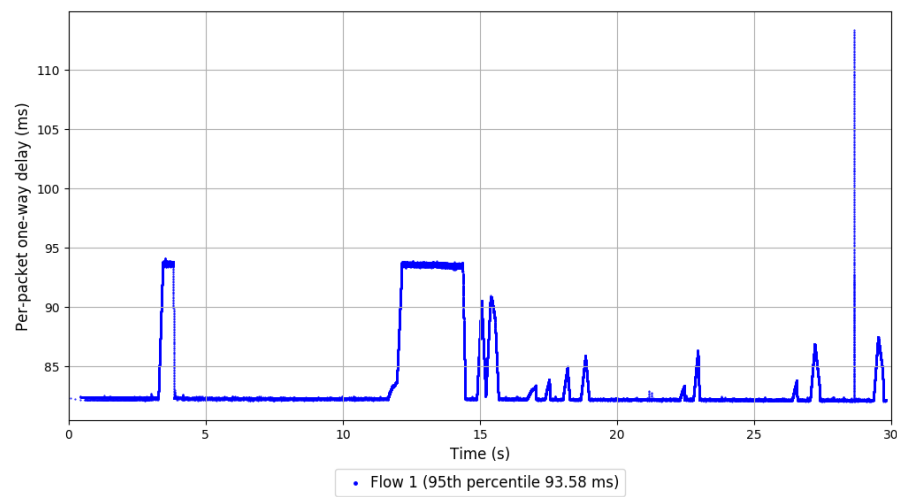
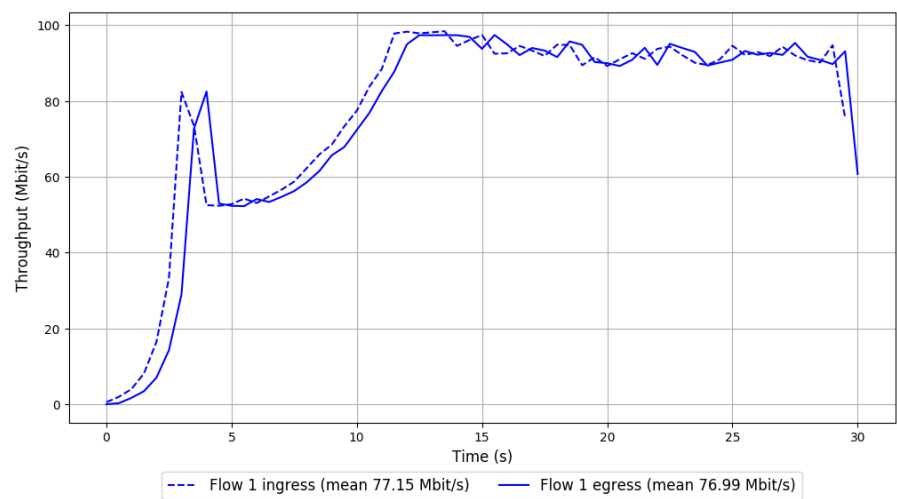
-- Flow 1:

Average throughput: 76.99 Mbit/s

95th percentile per-packet one-way delay: 93.576 ms

Loss rate: 0.77%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-08-01 19:11:36

End at: 2018-08-01 19:12:06

Local clock offset: -6.622 ms

Remote clock offset: 1.57 ms

Below is generated by plot.py at 2018-08-01 19:57:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.48 Mbit/s

95th percentile per-packet one-way delay: 84.752 ms

Loss rate: 0.74%

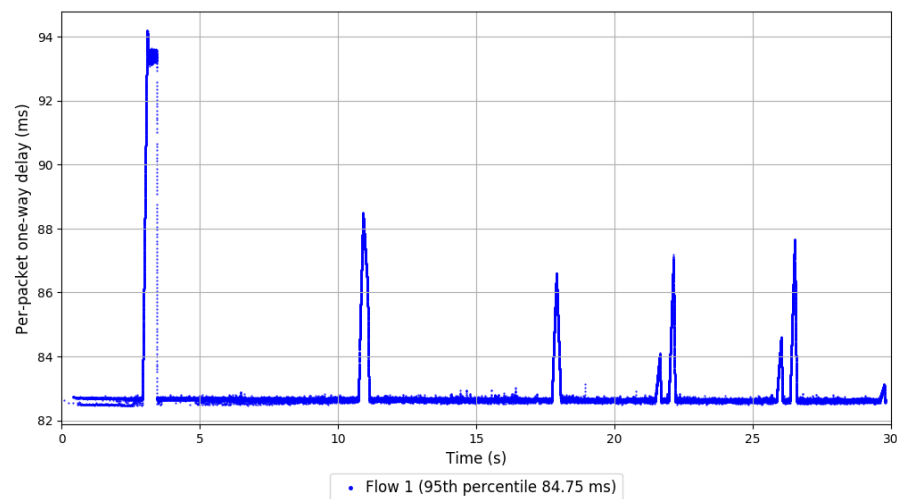
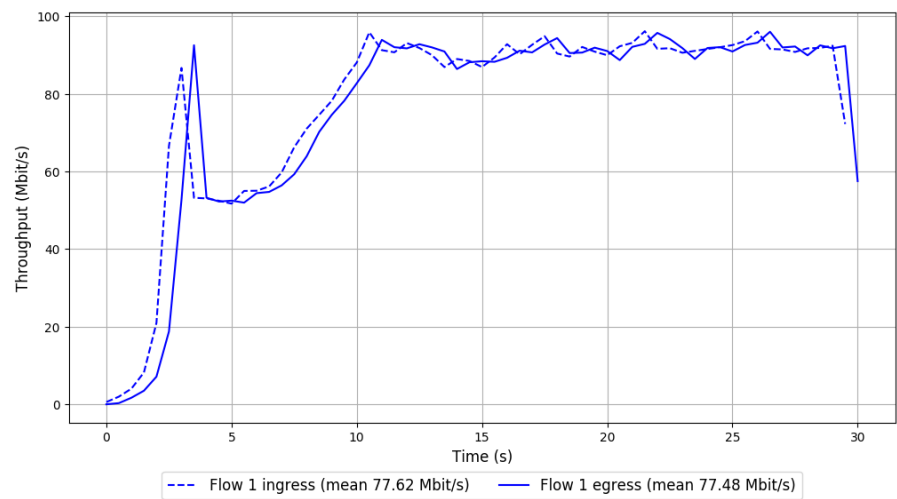
-- Flow 1:

Average throughput: 77.48 Mbit/s

95th percentile per-packet one-way delay: 84.752 ms

Loss rate: 0.74%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-08-01 19:31:33

End at: 2018-08-01 19:32:03

Local clock offset: -6.203 ms

Remote clock offset: 9.361 ms

Below is generated by plot.py at 2018-08-01 19:57:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.79 Mbit/s

95th percentile per-packet one-way delay: 84.255 ms

Loss rate: 2.32%

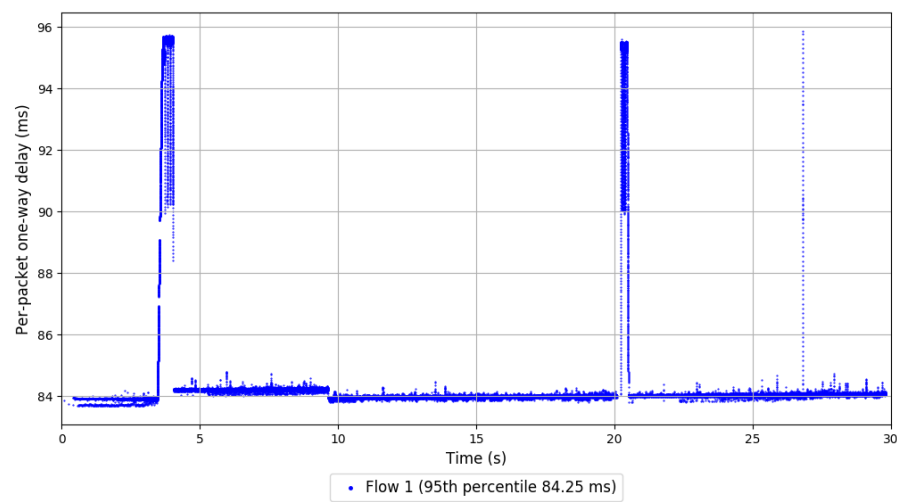
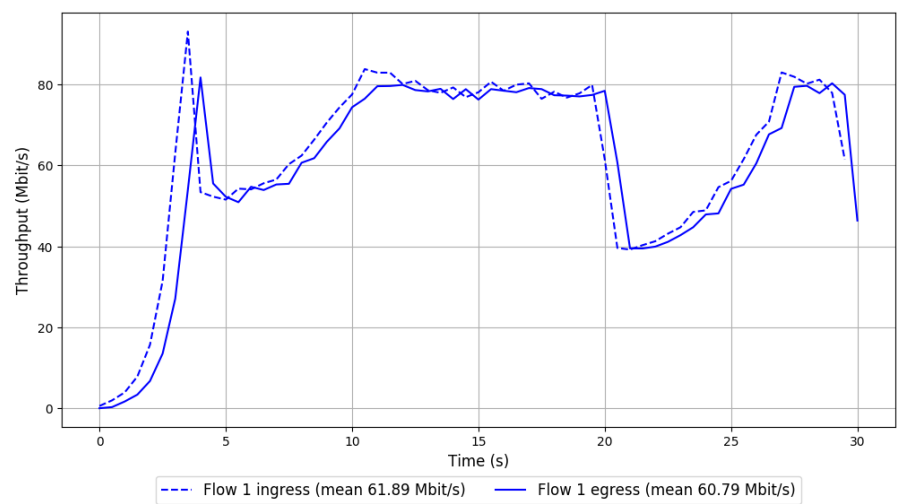
-- Flow 1:

Average throughput: 60.79 Mbit/s

95th percentile per-packet one-way delay: 84.255 ms

Loss rate: 2.32%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-08-01 16:26:00

End at: 2018-08-01 16:26:30

Local clock offset: -8.429 ms

Remote clock offset: 8.487 ms

Below is generated by plot.py at 2018-08-01 19:57:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.24 Mbit/s

95th percentile per-packet one-way delay: 81.416 ms

Loss rate: 0.29%

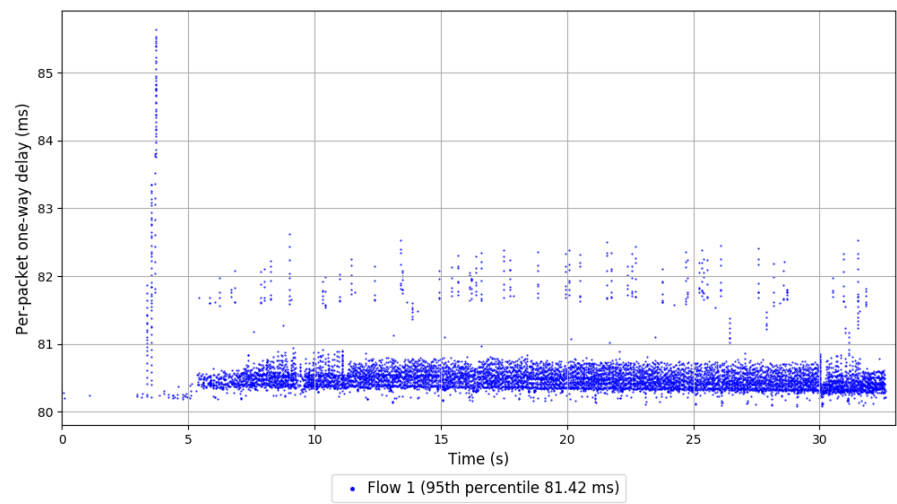
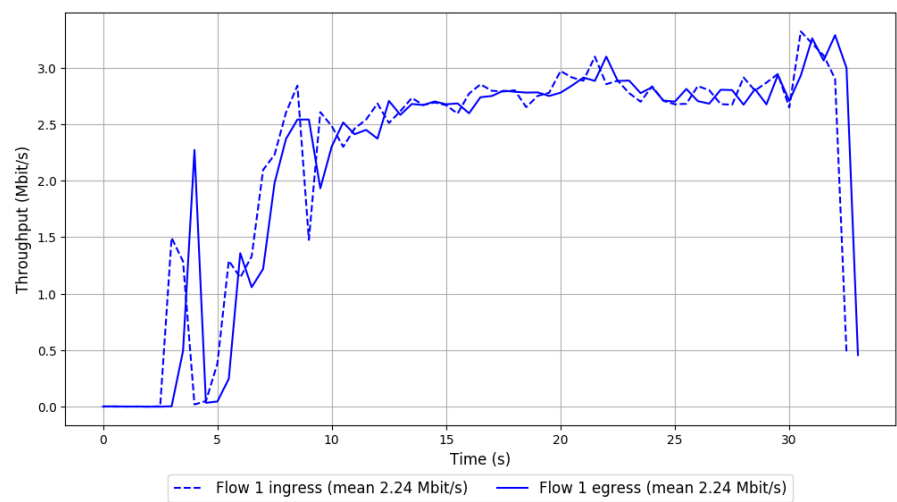
-- Flow 1:

Average throughput: 2.24 Mbit/s

95th percentile per-packet one-way delay: 81.416 ms

Loss rate: 0.29%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-08-01 16:45:53

End at: 2018-08-01 16:46:23

Local clock offset: -7.245 ms

Remote clock offset: 2.886 ms

Below is generated by plot.py at 2018-08-01 19:57:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 86.202 ms

Loss rate: 0.30%

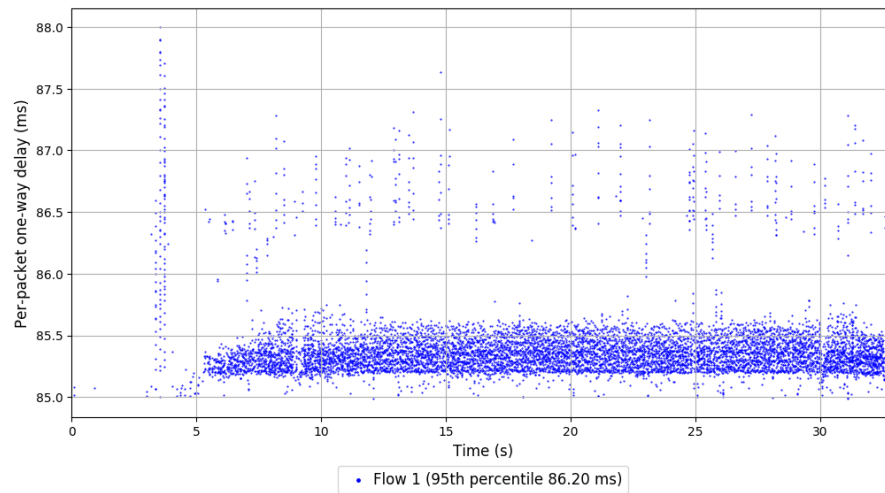
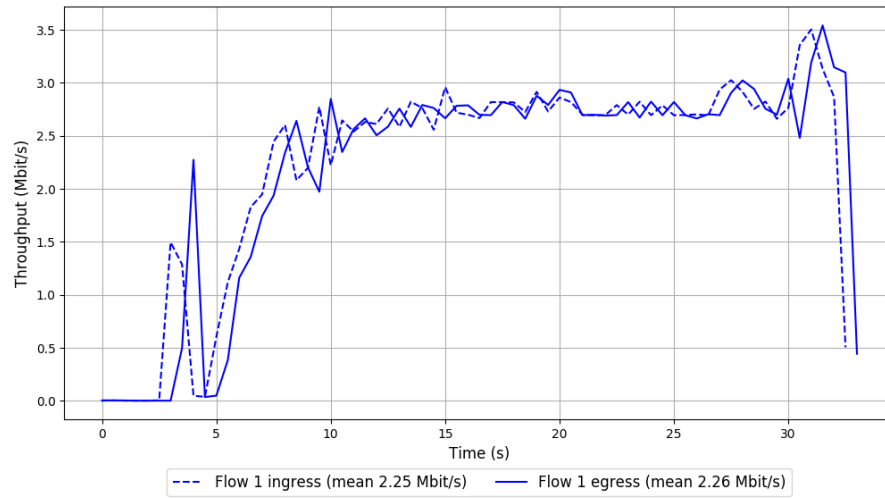
-- Flow 1:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 86.202 ms

Loss rate: 0.30%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-08-01 17:05:48

End at: 2018-08-01 17:06:18

Local clock offset: -7.307 ms

Remote clock offset: 4.105 ms

Below is generated by plot.py at 2018-08-01 19:57:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 85.326 ms

Loss rate: 0.33%

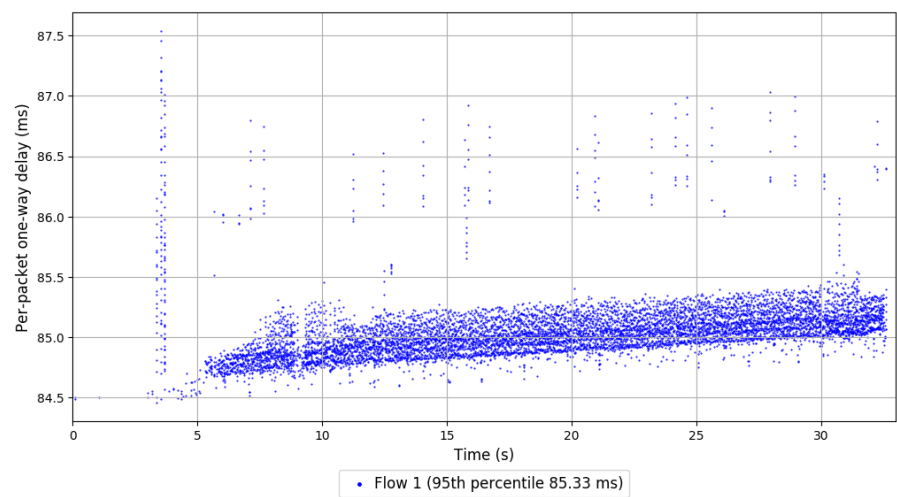
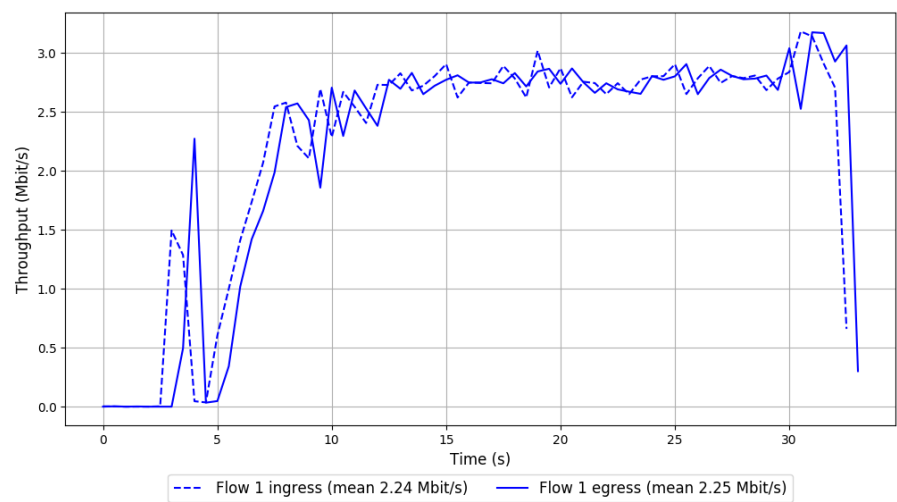
-- Flow 1:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 85.326 ms

Loss rate: 0.33%

Run 3: Report of WebRTC media — Data Link

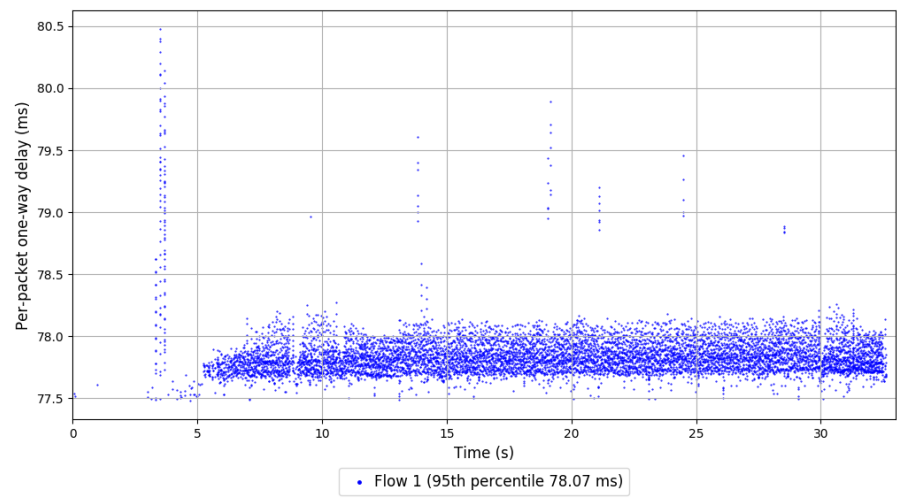
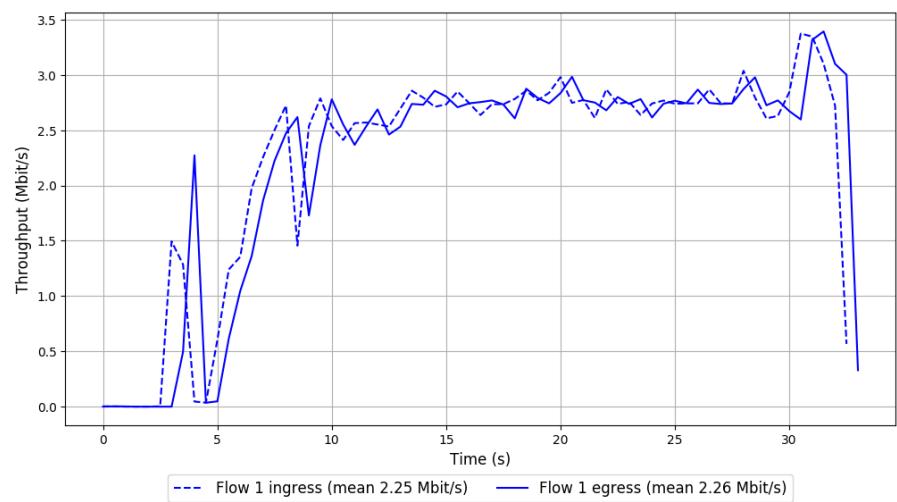


Run 4: Statistics of WebRTC media

Start at: 2018-08-01 17:25:43
End at: 2018-08-01 17:26:13
Local clock offset: -7.29 ms
Remote clock offset: 15.816 ms

Below is generated by plot.py at 2018-08-01 19:57:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 78.072 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 78.072 ms
Loss rate: 0.32%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-08-01 17:45:49

End at: 2018-08-01 17:46:19

Local clock offset: -6.663 ms

Remote clock offset: 16.76 ms

Below is generated by plot.py at 2018-08-01 19:57:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 77.308 ms

Loss rate: 0.36%

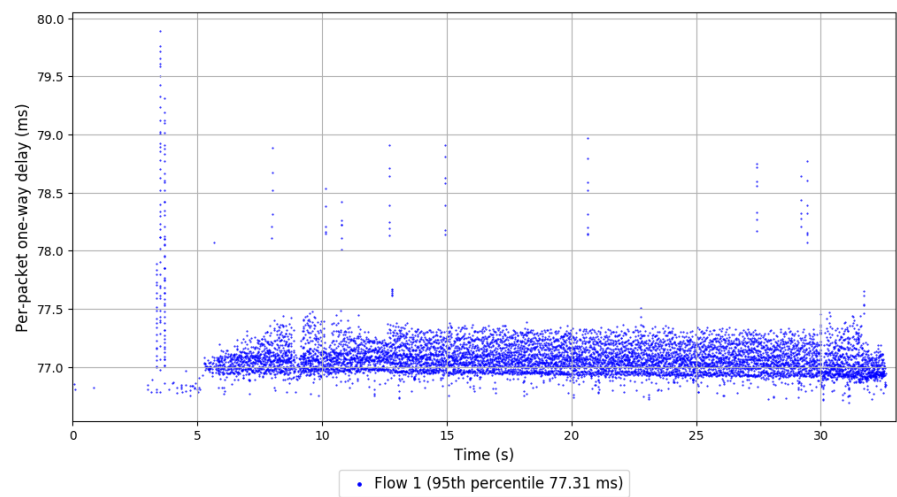
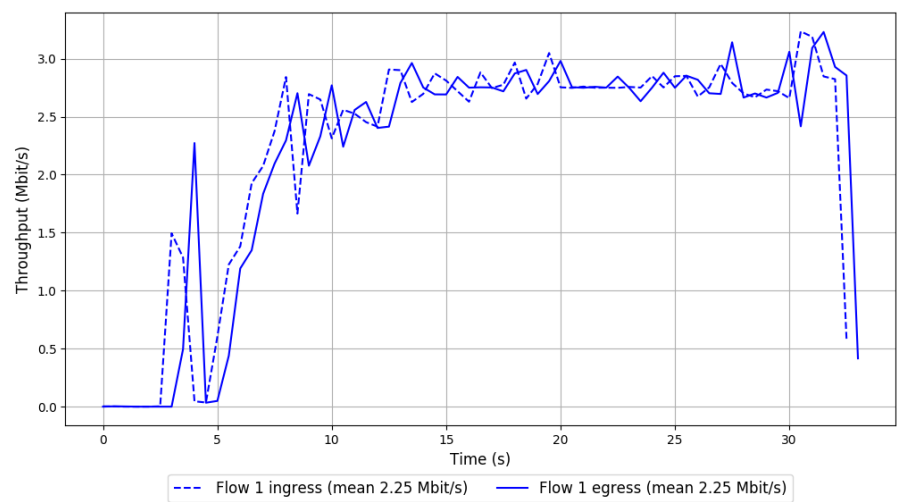
-- Flow 1:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 77.308 ms

Loss rate: 0.36%

Run 5: Report of WebRTC media — Data Link

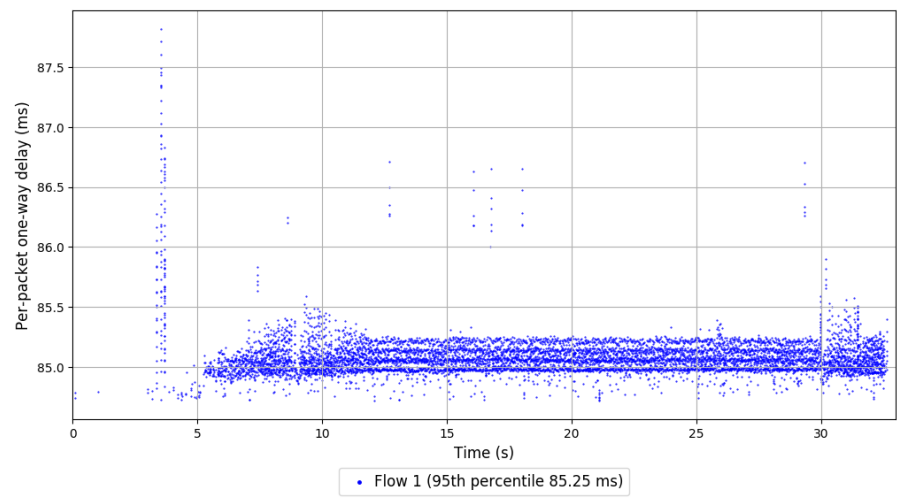
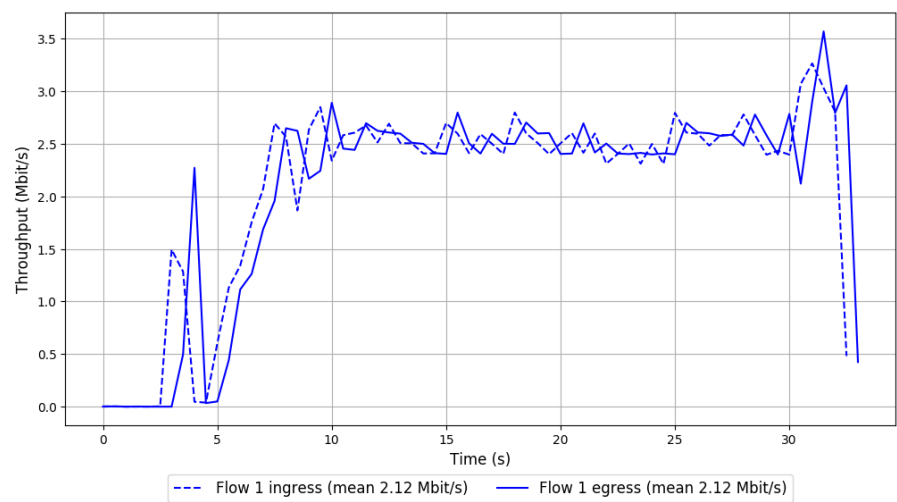


Run 6: Statistics of WebRTC media

Start at: 2018-08-01 18:05:52
End at: 2018-08-01 18:06:22
Local clock offset: -6.681 ms
Remote clock offset: 10.149 ms

Below is generated by plot.py at 2018-08-01 19:57:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 85.253 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 85.253 ms
Loss rate: 0.23%

Run 6: Report of WebRTC media — Data Link

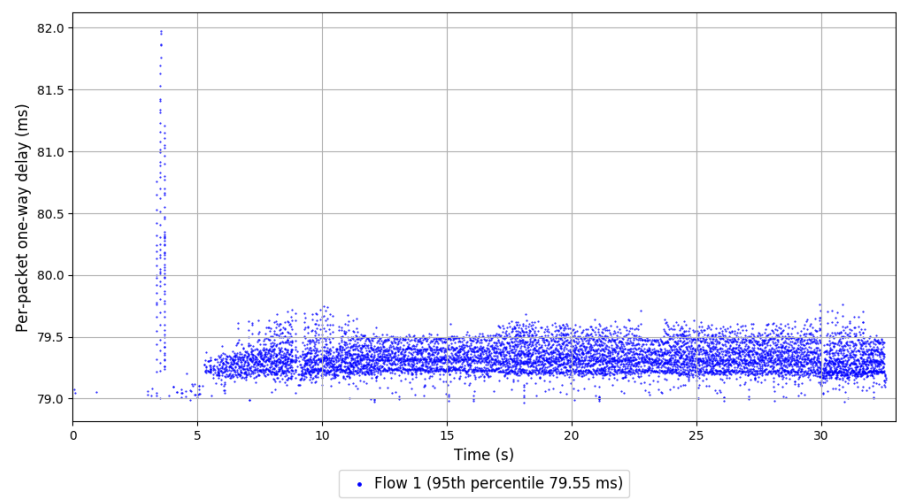
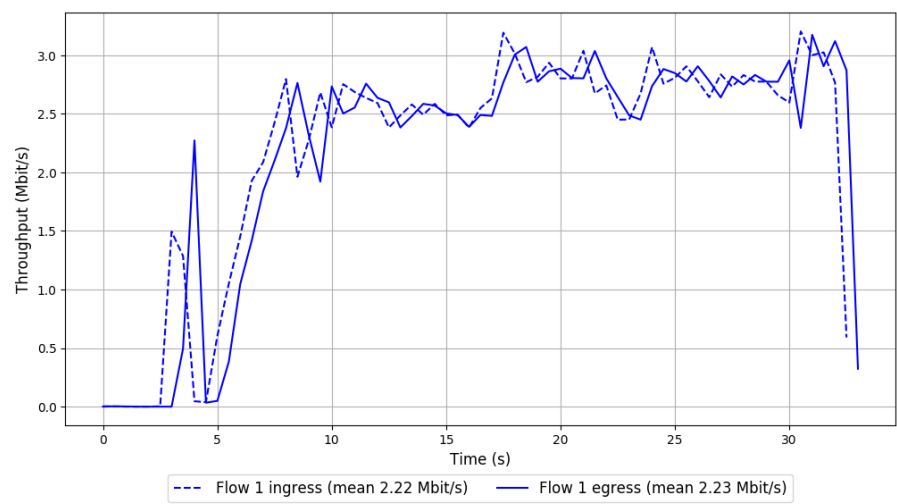


Run 7: Statistics of WebRTC media

Start at: 2018-08-01 18:25:58
End at: 2018-08-01 18:26:28
Local clock offset: -6.816 ms
Remote clock offset: 15.118 ms

Below is generated by plot.py at 2018-08-01 19:57:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 79.551 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 79.551 ms
Loss rate: 0.39%

Run 7: Report of WebRTC media — Data Link

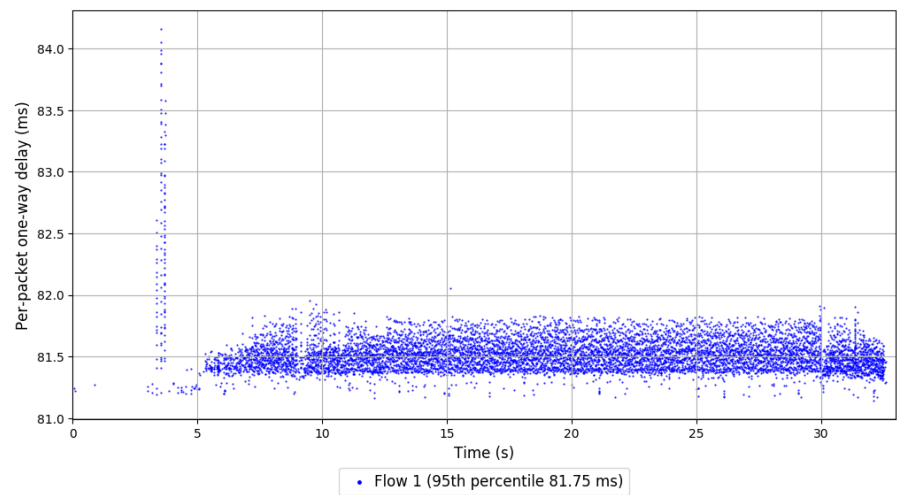
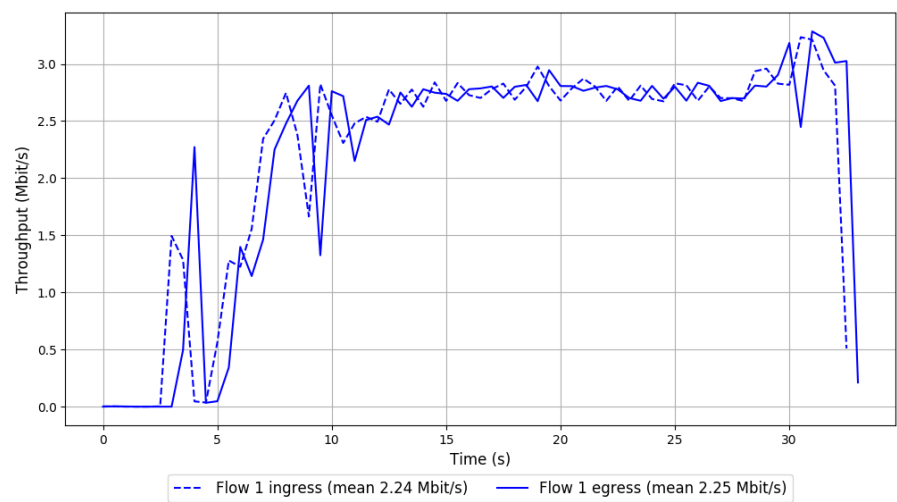


Run 8: Statistics of WebRTC media

Start at: 2018-08-01 18:45:52
End at: 2018-08-01 18:46:22
Local clock offset: -6.675 ms
Remote clock offset: 12.743 ms

Below is generated by plot.py at 2018-08-01 19:57:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 81.752 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 81.752 ms
Loss rate: 0.33%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-08-01 19:05:49

End at: 2018-08-01 19:06:19

Local clock offset: -6.613 ms

Remote clock offset: 8.376 ms

Below is generated by plot.py at 2018-08-01 19:57:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.19 Mbit/s

95th percentile per-packet one-way delay: 76.813 ms

Loss rate: 0.26%

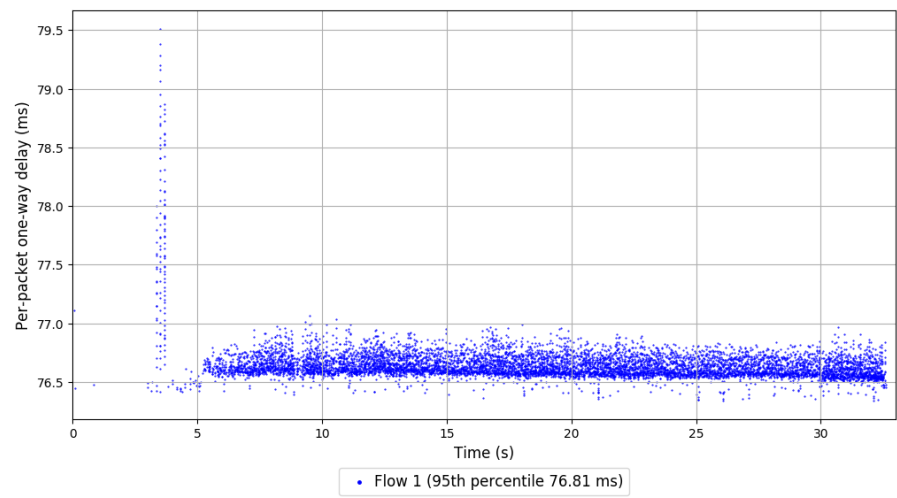
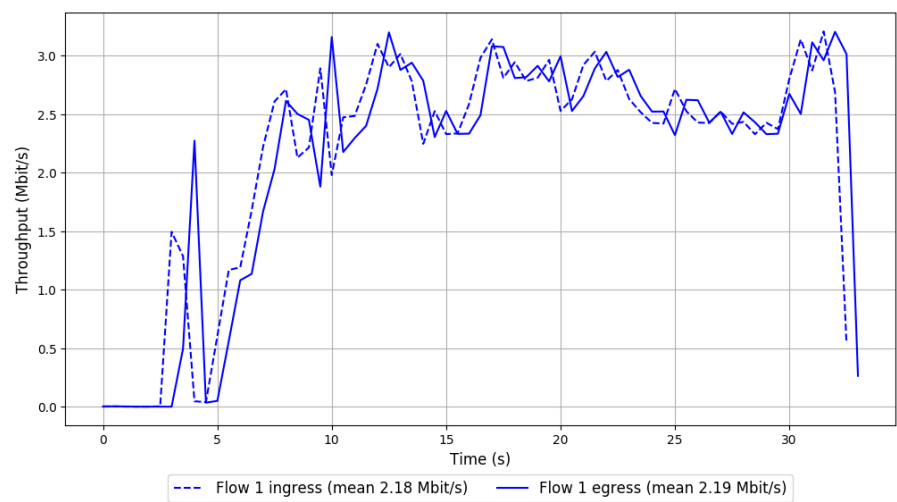
-- Flow 1:

Average throughput: 2.19 Mbit/s

95th percentile per-packet one-way delay: 76.813 ms

Loss rate: 0.26%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-01 19:25:47

End at: 2018-08-01 19:26:17

Local clock offset: -6.457 ms

Remote clock offset: 6.163 ms

Below is generated by plot.py at 2018-08-01 19:57:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 82.484 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 82.484 ms

Loss rate: 0.27%

Run 10: Report of WebRTC media — Data Link

