

Pantheon Report

Generated at 2019-02-11 14:13:33 (UTC).

Data path: AWS Brazil 2 on `ens5` (*local*) → Colombia on `p4p1` (*remote*).

Repeated the test of 21 congestion control schemes 5 times.

Each test lasted for 30 seconds running 1 flow.

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

System info:

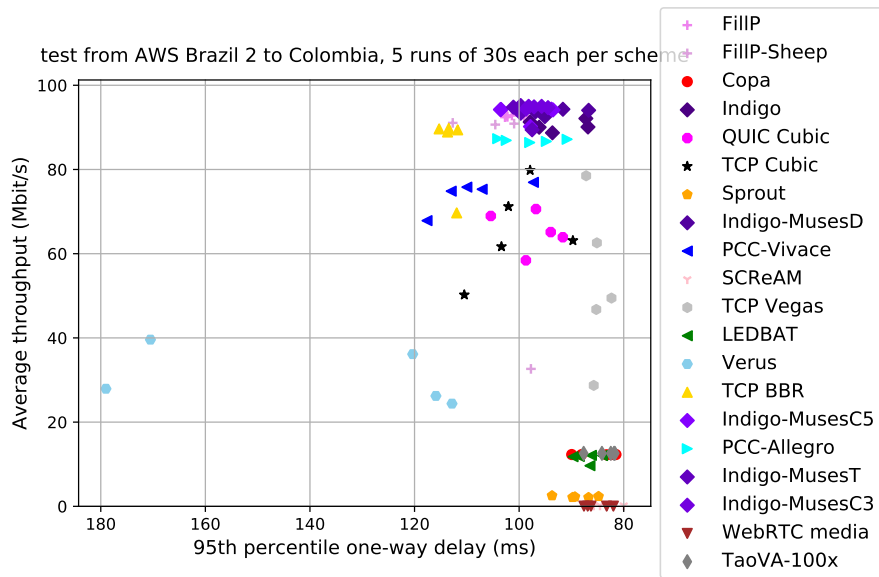
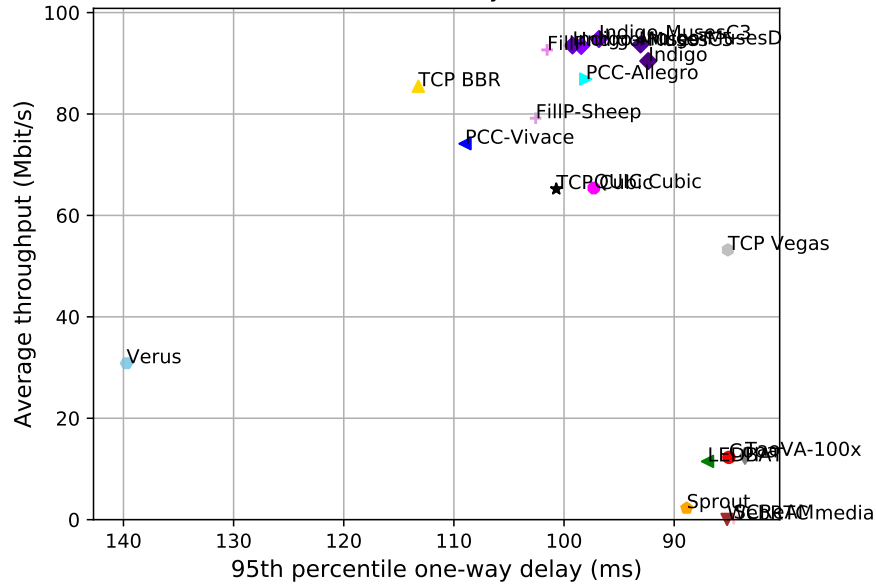
```
Linux 4.15.0-1031-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

```
branch: muses @ 7a686f7c2ed0a333082c0bab1fa5c921ab47e6ee
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/pantheon-tunnel @ f866d3f58d27afd942717625ee3a354cc2e802bd
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
```

third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851

test from AWS Brazil 2 to Colombia, 5 runs of 30s each per scheme
(mean of all runs by scheme)



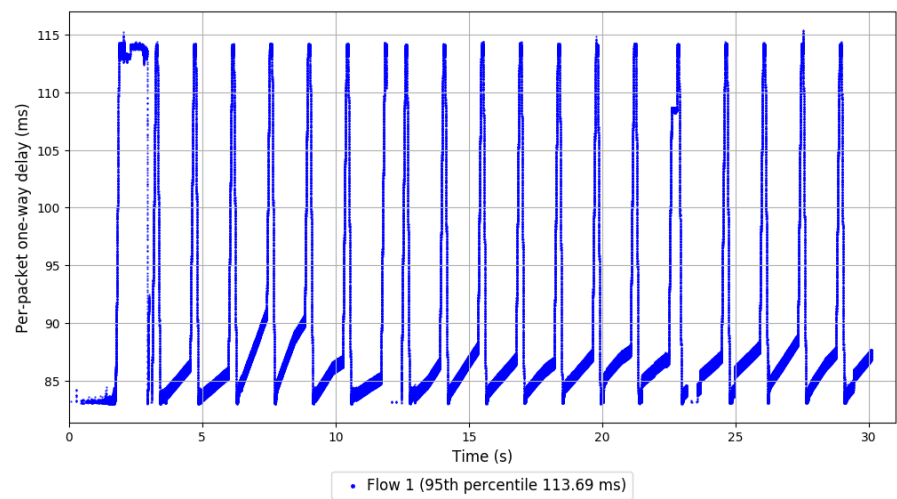
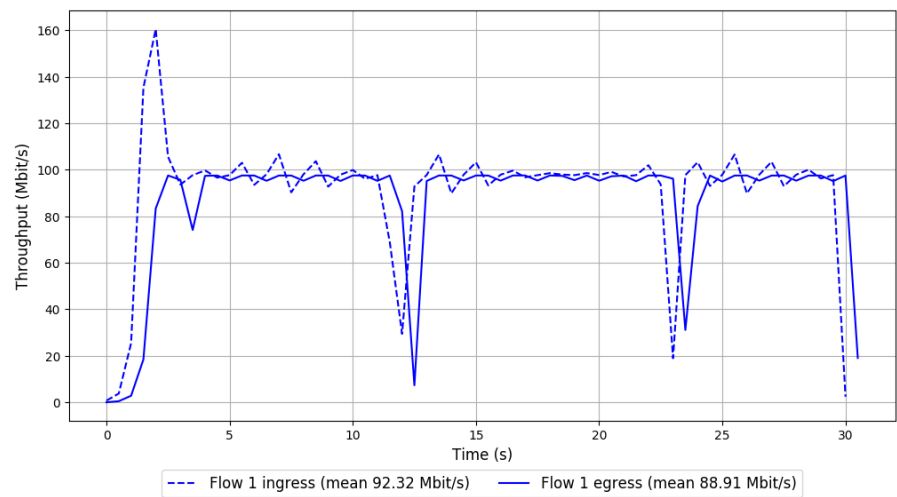
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	85.49	113.23	3.97
Copa	5	12.29	85.04	71.02
TCP Cubic	5	65.21	100.70	0.68
FillP	5	92.64	101.53	1.09
FillP-Sheep	5	79.17	102.58	1.96
Indigo	5	90.44	92.35	1.26
Indigo-MusesC3	5	94.79	96.83	0.44
Indigo-MusesC5	5	93.43	98.44	0.07
Indigo-MusesD	5	93.72	93.05	0.11
Indigo-MusesT	5	93.52	99.23	2.43
LEDBAT	5	11.49	86.97	0.01
PCC-Allegro	5	86.89	98.03	1.51
PCC-Expr	0	N/A	N/A	N/A
QUIC Cubic	5	65.40	97.30	0.39
SCReAM	5	0.22	84.60	0.00
Sprout	5	2.28	88.87	0.01
TaoVA-100x	5	12.59	83.57	28.65
TCP Vegas	5	53.20	85.13	0.50
Verus	5	30.85	139.72	41.77
PCC-Vivace	5	74.15	108.99	0.17
WebRTC media	5	0.05	85.20	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-02-11 12:16:09
End at: 2019-02-11 12:16:39
Local clock offset: -17.348 ms
Remote clock offset: 2.778 ms

Below is generated by plot.py at 2019-02-11 14:05:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.91 Mbit/s
95th percentile per-packet one-way delay: 113.685 ms
Loss rate: 3.69%
-- Flow 1:
Average throughput: 88.91 Mbit/s
95th percentile per-packet one-way delay: 113.685 ms
Loss rate: 3.69%

Run 1: Report of TCP BBR — Data Link

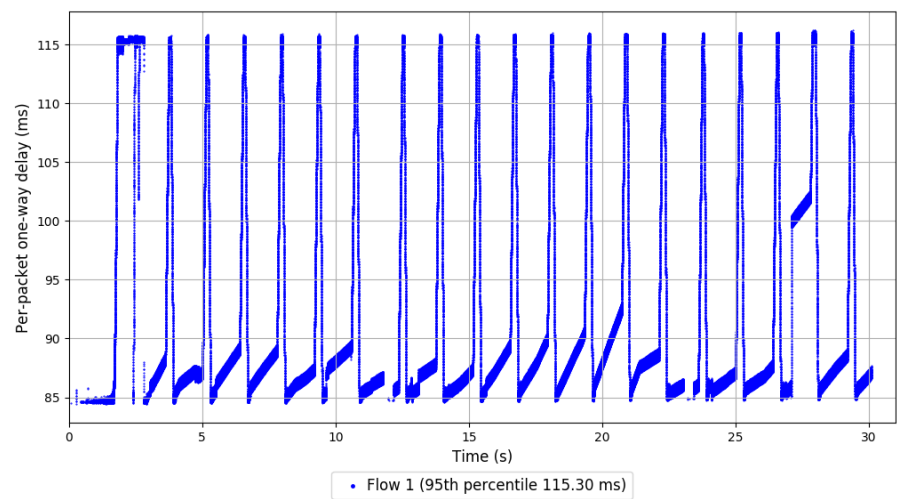
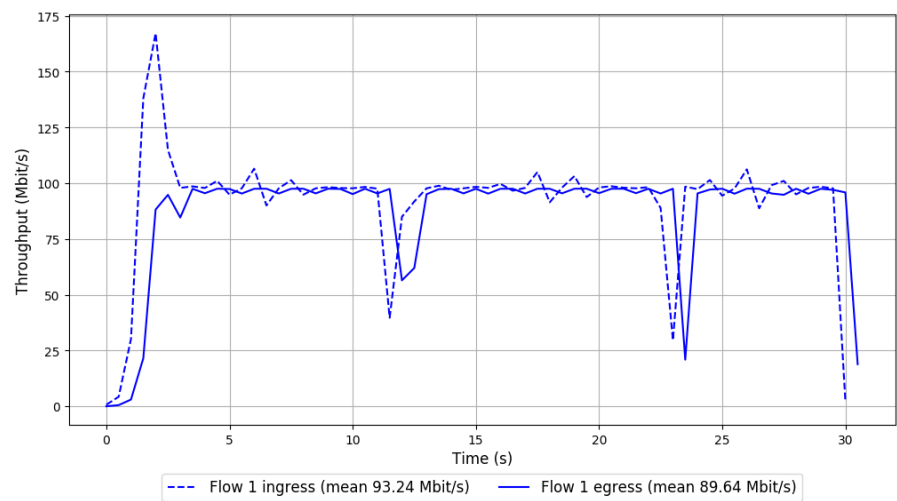


Run 2: Statistics of TCP BBR

Start at: 2019-02-11 12:40:49
End at: 2019-02-11 12:41:19
Local clock offset: -12.722 ms
Remote clock offset: 2.252 ms

Below is generated by plot.py at 2019-02-11 14:05:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.64 Mbit/s
95th percentile per-packet one-way delay: 115.298 ms
Loss rate: 3.85%
-- Flow 1:
Average throughput: 89.64 Mbit/s
95th percentile per-packet one-way delay: 115.298 ms
Loss rate: 3.85%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-02-11 13:05:44

End at: 2019-02-11 13:06:14

Local clock offset: -7.0 ms

Remote clock offset: 1.622 ms

Below is generated by plot.py at 2019-02-11 14:05:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.76 Mbit/s

95th percentile per-packet one-way delay: 113.460 ms

Loss rate: 3.27%

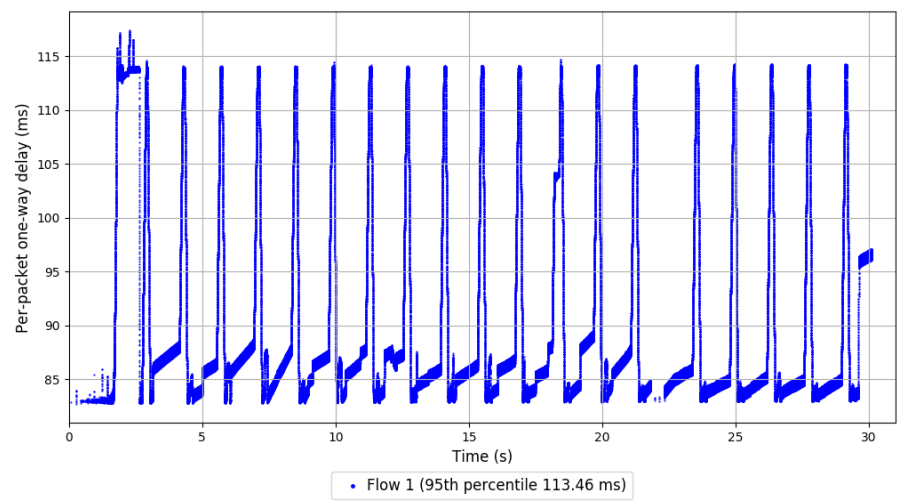
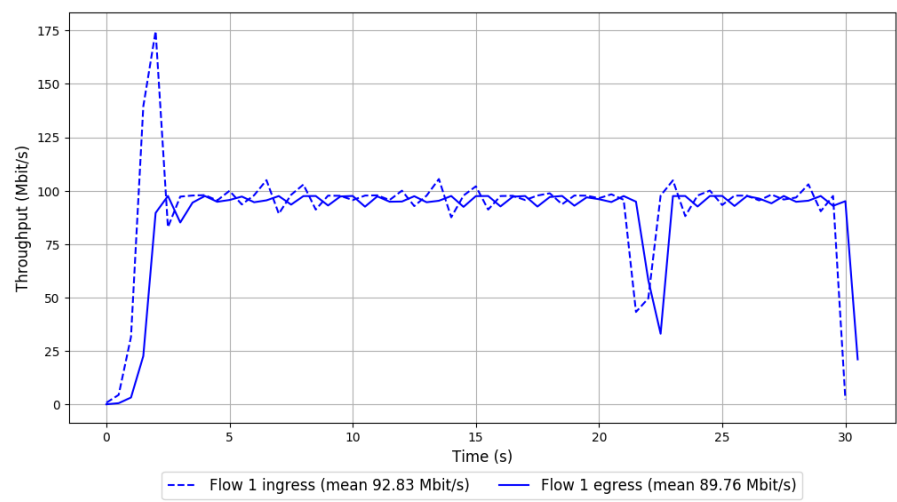
-- Flow 1:

Average throughput: 89.76 Mbit/s

95th percentile per-packet one-way delay: 113.460 ms

Loss rate: 3.27%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-02-11 13:30:38

End at: 2019-02-11 13:31:08

Local clock offset: -5.434 ms

Remote clock offset: 2.041 ms

Below is generated by plot.py at 2019-02-11 14:05:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.42 Mbit/s

95th percentile per-packet one-way delay: 111.749 ms

Loss rate: 3.39%

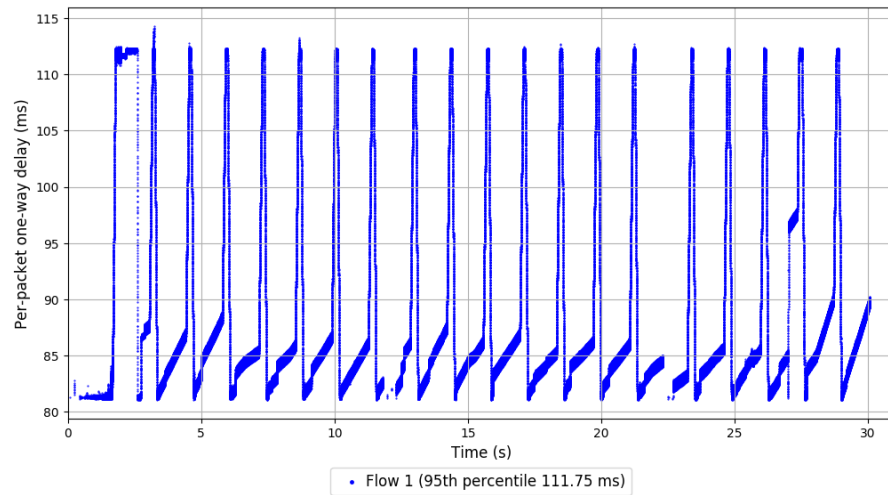
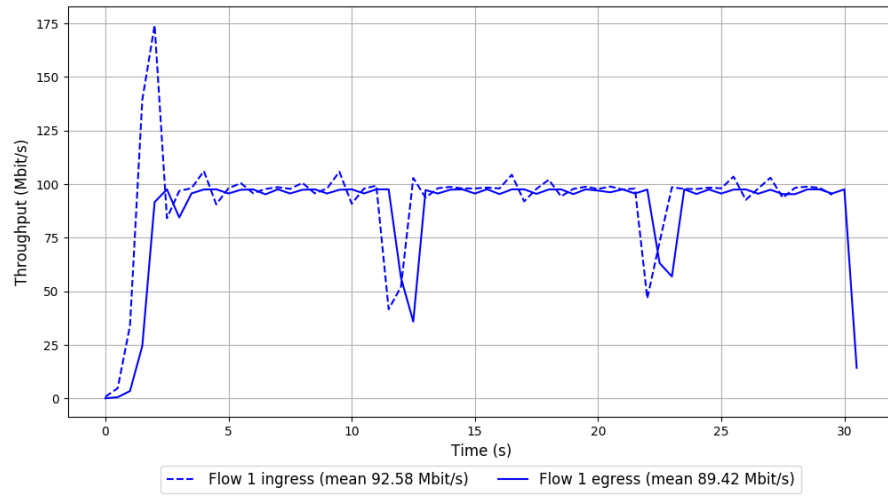
-- Flow 1:

Average throughput: 89.42 Mbit/s

95th percentile per-packet one-way delay: 111.749 ms

Loss rate: 3.39%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-02-11 13:55:24

End at: 2019-02-11 13:55:54

Local clock offset: -2.962 ms

Remote clock offset: 0.632 ms

Below is generated by plot.py at 2019-02-11 14:05:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.70 Mbit/s

95th percentile per-packet one-way delay: 111.941 ms

Loss rate: 5.64%

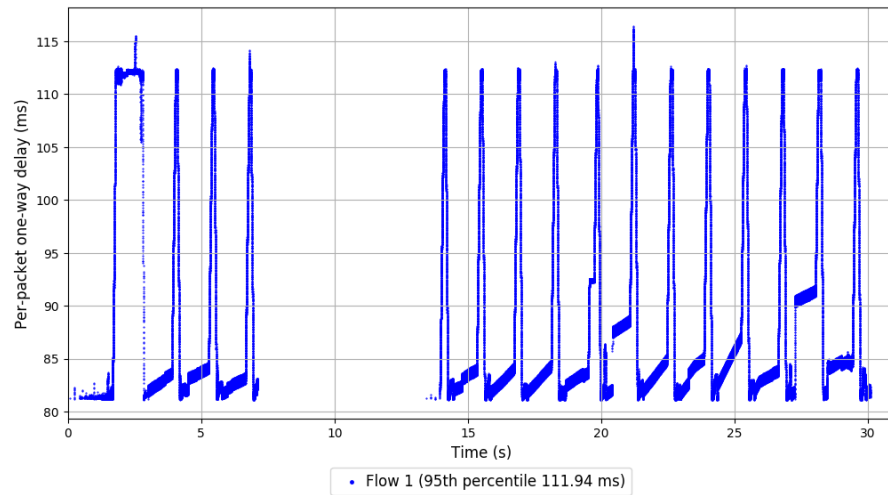
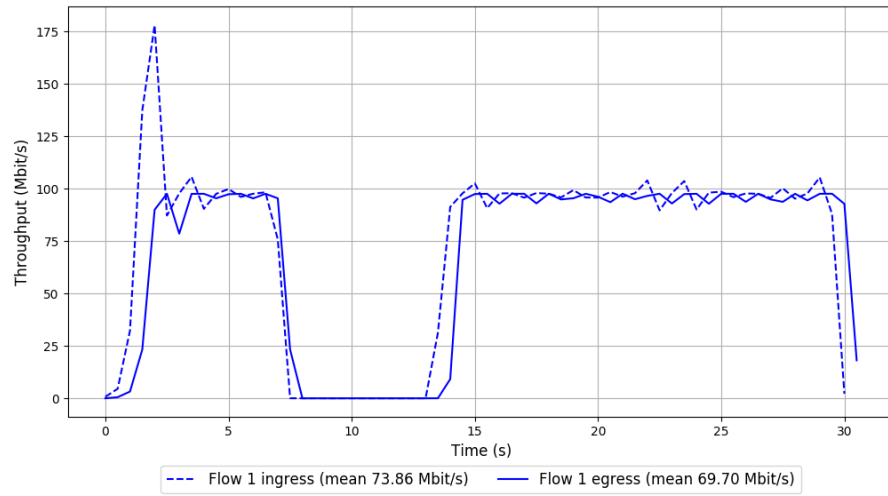
-- Flow 1:

Average throughput: 69.70 Mbit/s

95th percentile per-packet one-way delay: 111.941 ms

Loss rate: 5.64%

Run 5: Report of TCP BBR — Data Link

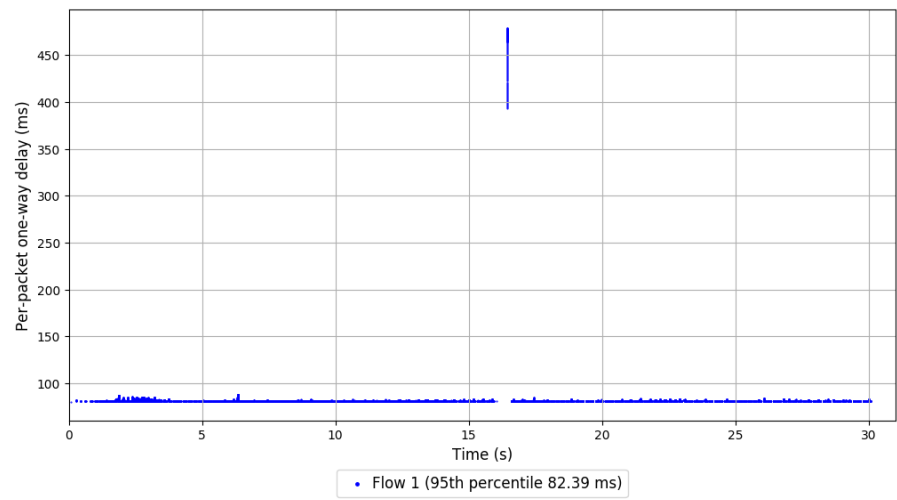
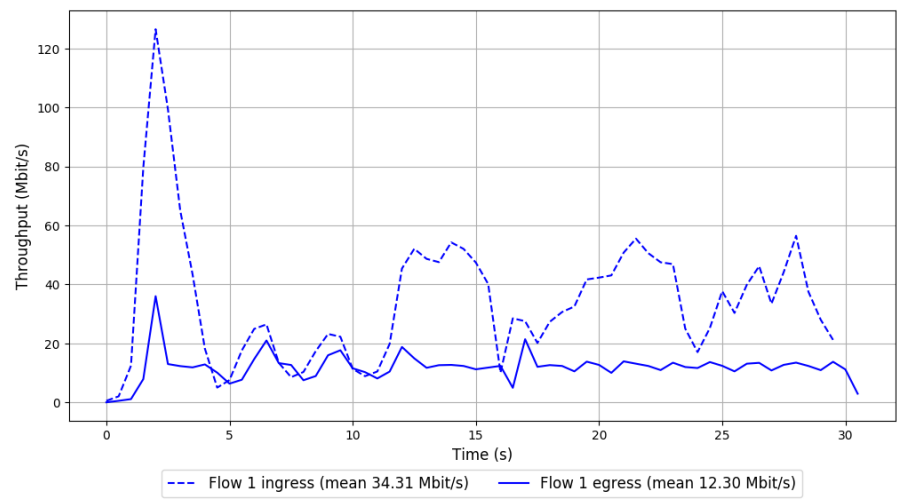


Run 1: Statistics of Copa

Start at: 2019-02-11 12:18:32
End at: 2019-02-11 12:19:02
Local clock offset: -17.118 ms
Remote clock offset: 1.537 ms

Below is generated by plot.py at 2019-02-11 14:05:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.30 Mbit/s
95th percentile per-packet one-way delay: 82.389 ms
Loss rate: 64.14%
-- Flow 1:
Average throughput: 12.30 Mbit/s
95th percentile per-packet one-way delay: 82.389 ms
Loss rate: 64.14%

Run 1: Report of Copa — Data Link

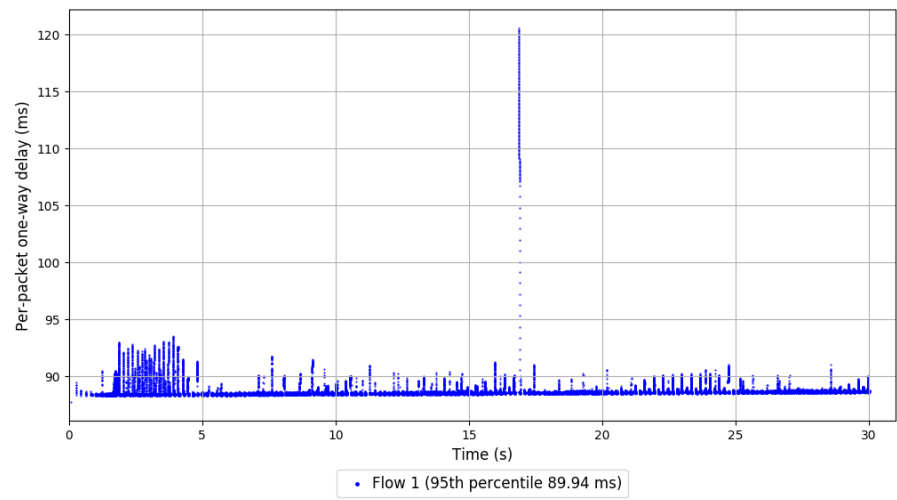
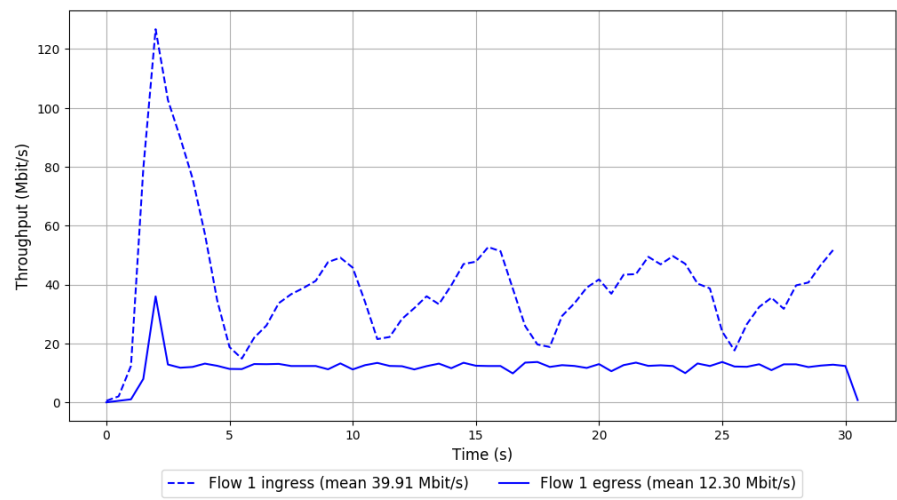


Run 2: Statistics of Copa

Start at: 2019-02-11 12:43:11
End at: 2019-02-11 12:43:41
Local clock offset: -11.053 ms
Remote clock offset: 7.475 ms

Below is generated by plot.py at 2019-02-11 14:05:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.30 Mbit/s
95th percentile per-packet one-way delay: 89.943 ms
Loss rate: 69.18%
-- Flow 1:
Average throughput: 12.30 Mbit/s
95th percentile per-packet one-way delay: 89.943 ms
Loss rate: 69.18%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2019-02-11 13:08:07

End at: 2019-02-11 13:08:37

Local clock offset: -6.712 ms

Remote clock offset: 0.238 ms

Below is generated by plot.py at 2019-02-11 14:05:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.25 Mbit/s

95th percentile per-packet one-way delay: 83.299 ms

Loss rate: 72.99%

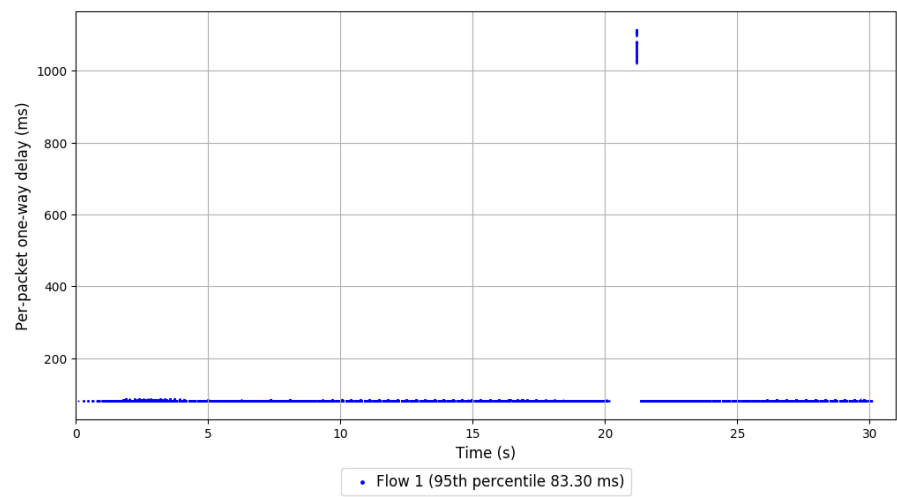
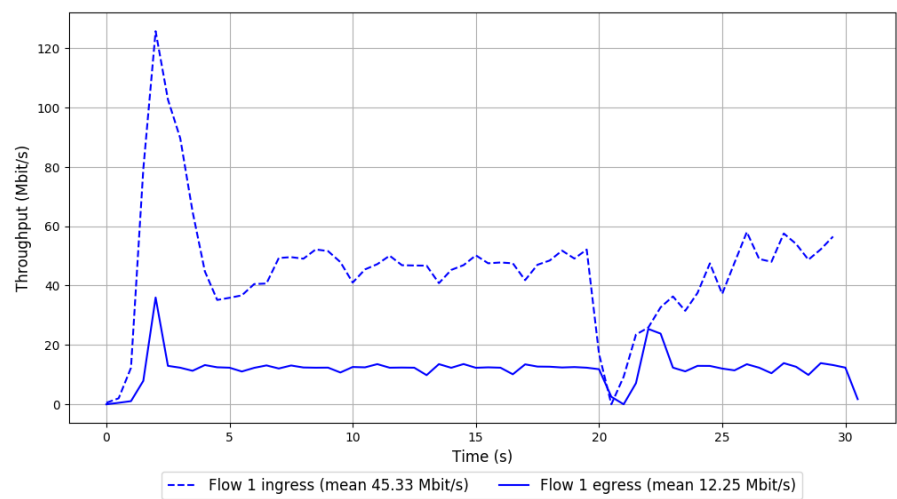
-- Flow 1:

Average throughput: 12.25 Mbit/s

95th percentile per-packet one-way delay: 83.299 ms

Loss rate: 72.99%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2019-02-11 13:33:03

End at: 2019-02-11 13:33:33

Local clock offset: -5.654 ms

Remote clock offset: 5.717 ms

Below is generated by plot.py at 2019-02-11 14:05:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.28 Mbit/s

95th percentile per-packet one-way delay: 88.060 ms

Loss rate: 74.18%

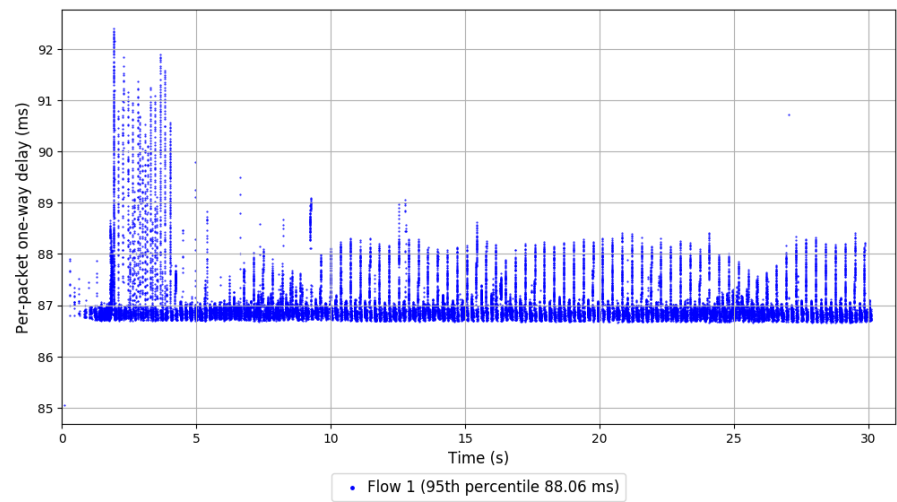
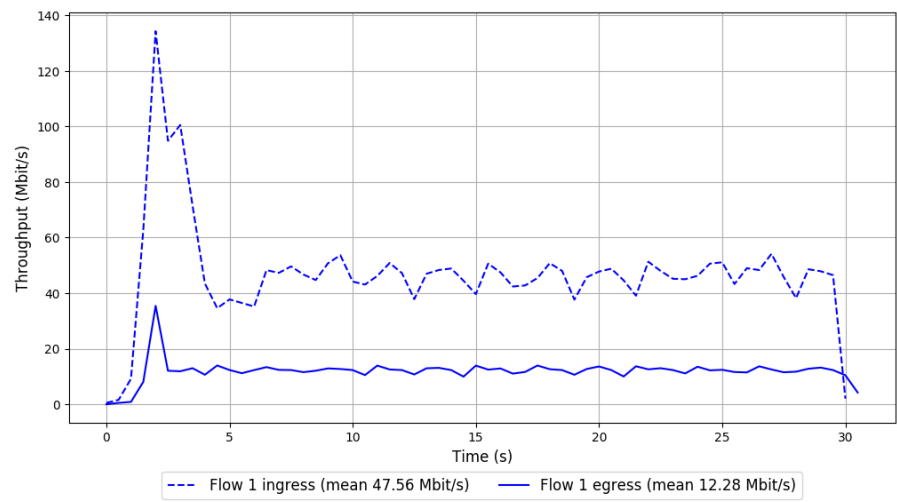
-- Flow 1:

Average throughput: 12.28 Mbit/s

95th percentile per-packet one-way delay: 88.060 ms

Loss rate: 74.18%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2019-02-11 13:57:47

End at: 2019-02-11 13:58:17

Local clock offset: -2.959 ms

Remote clock offset: 0.95 ms

Below is generated by plot.py at 2019-02-11 14:05:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.31 Mbit/s

95th percentile per-packet one-way delay: 81.488 ms

Loss rate: 74.62%

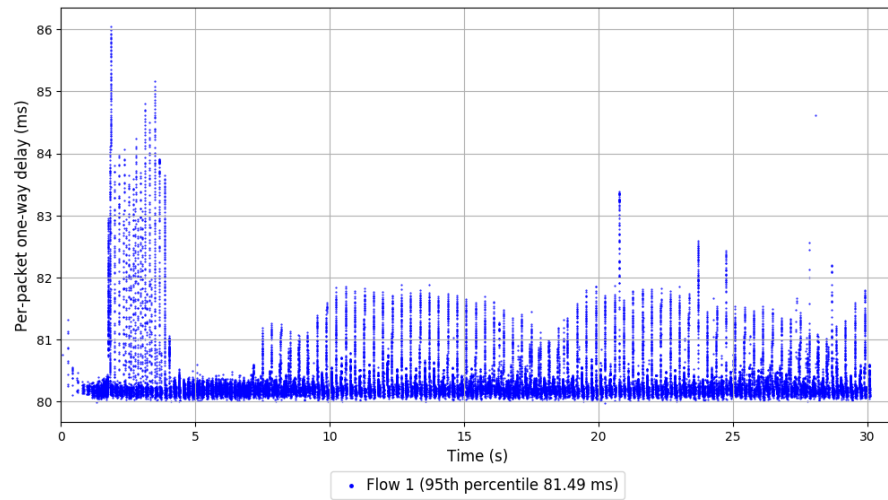
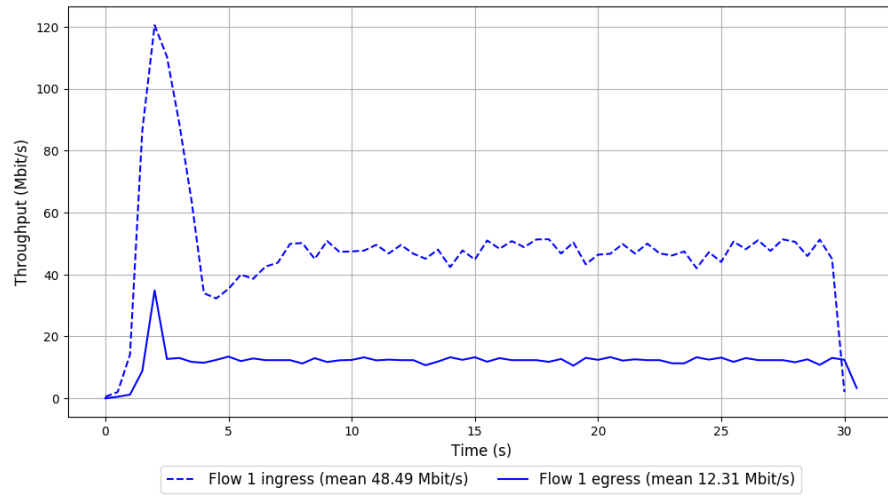
-- Flow 1:

Average throughput: 12.31 Mbit/s

95th percentile per-packet one-way delay: 81.488 ms

Loss rate: 74.62%

Run 5: Report of Copa — Data Link

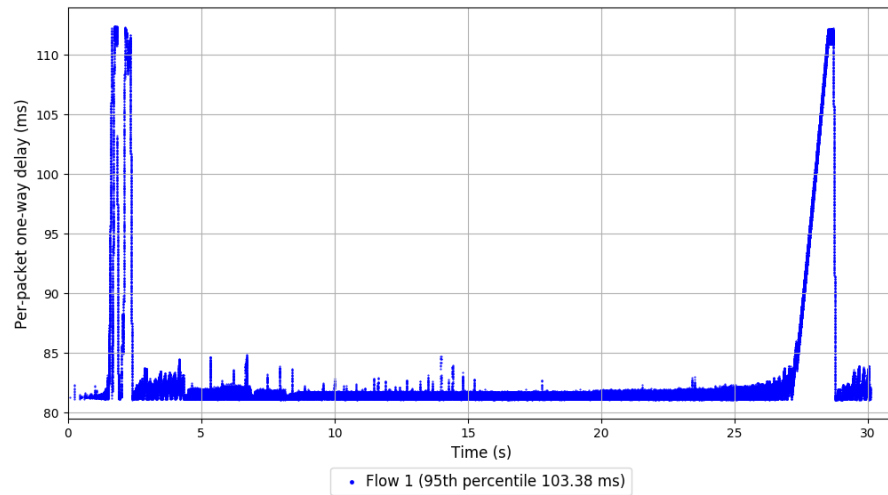
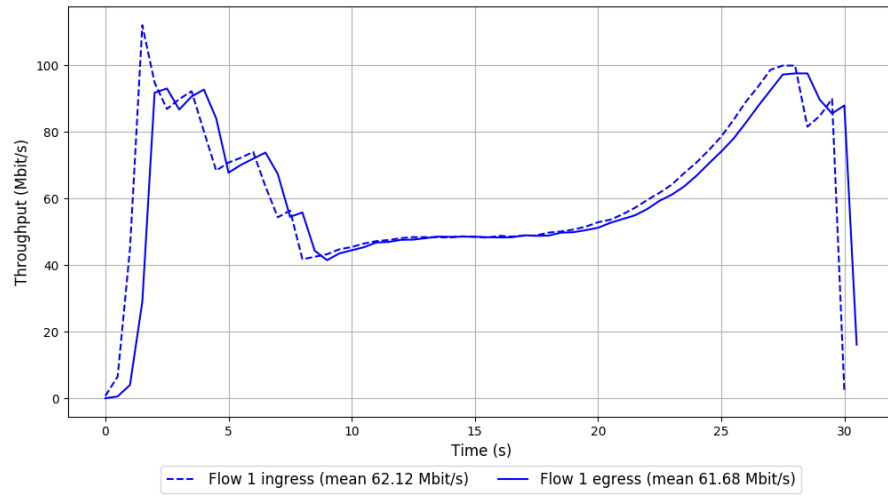


Run 1: Statistics of TCP Cubic

Start at: 2019-02-11 12:20:50
End at: 2019-02-11 12:21:20
Local clock offset: -17.283 ms
Remote clock offset: 1.523 ms

Below is generated by plot.py at 2019-02-11 14:05:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 61.68 Mbit/s
95th percentile per-packet one-way delay: 103.378 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 61.68 Mbit/s
95th percentile per-packet one-way delay: 103.378 ms
Loss rate: 0.71%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2019-02-11 12:45:30

End at: 2019-02-11 12:46:00

Local clock offset: -9.058 ms

Remote clock offset: 1.267 ms

Below is generated by plot.py at 2019-02-11 14:05:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.81 Mbit/s

95th percentile per-packet one-way delay: 97.895 ms

Loss rate: 0.54%

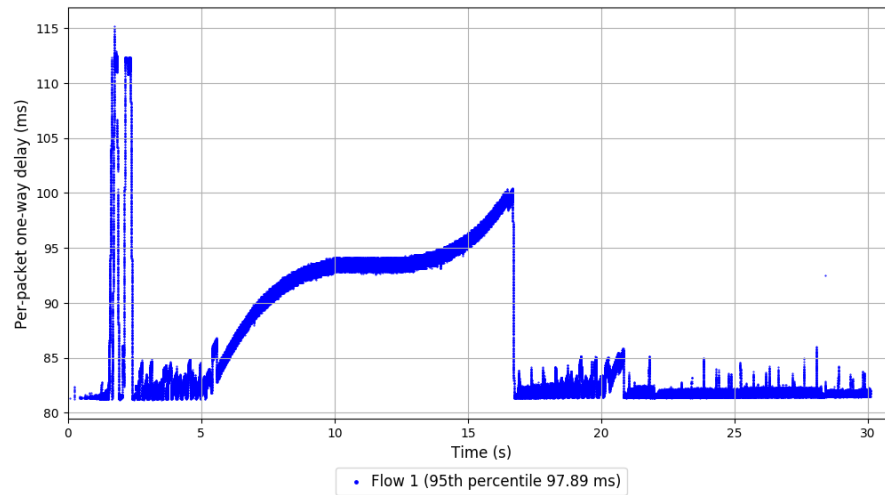
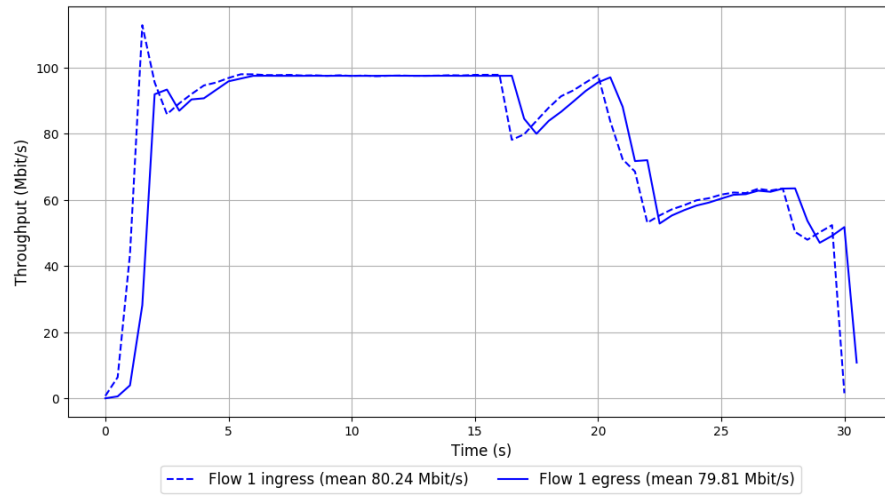
-- Flow 1:

Average throughput: 79.81 Mbit/s

95th percentile per-packet one-way delay: 97.895 ms

Loss rate: 0.54%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2019-02-11 13:10:25

End at: 2019-02-11 13:10:55

Local clock offset: -6.132 ms

Remote clock offset: 1.379 ms

Below is generated by plot.py at 2019-02-11 14:05:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.20 Mbit/s

95th percentile per-packet one-way delay: 102.051 ms

Loss rate: 0.61%

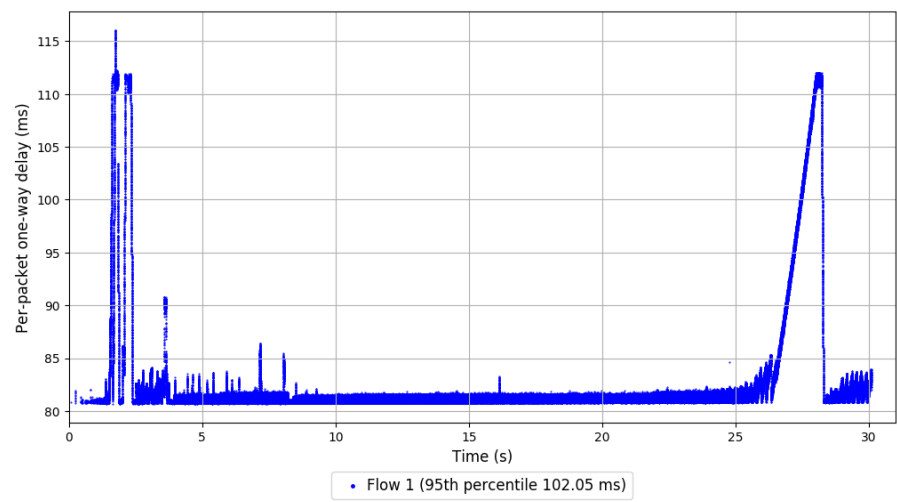
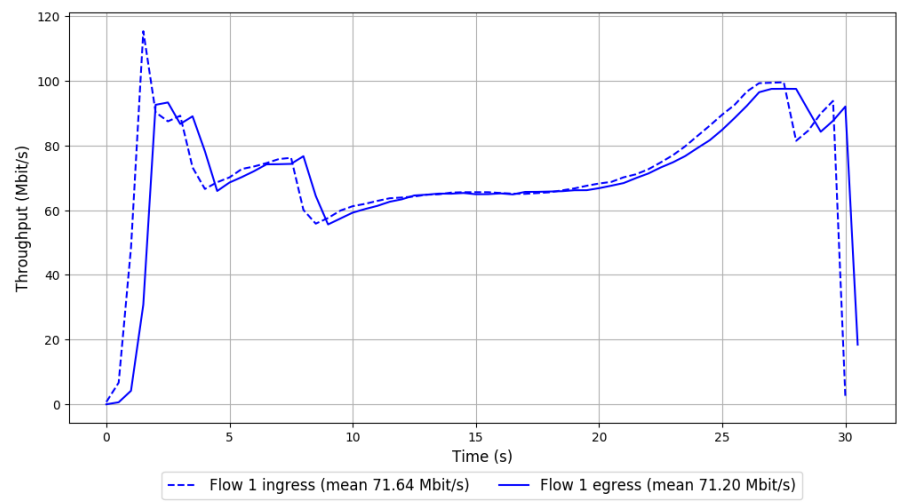
-- Flow 1:

Average throughput: 71.20 Mbit/s

95th percentile per-packet one-way delay: 102.051 ms

Loss rate: 0.61%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2019-02-11 13:35:21

End at: 2019-02-11 13:35:51

Local clock offset: -5.325 ms

Remote clock offset: 5.933 ms

Below is generated by plot.py at 2019-02-11 14:05:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.12 Mbit/s

95th percentile per-packet one-way delay: 89.718 ms

Loss rate: 0.67%

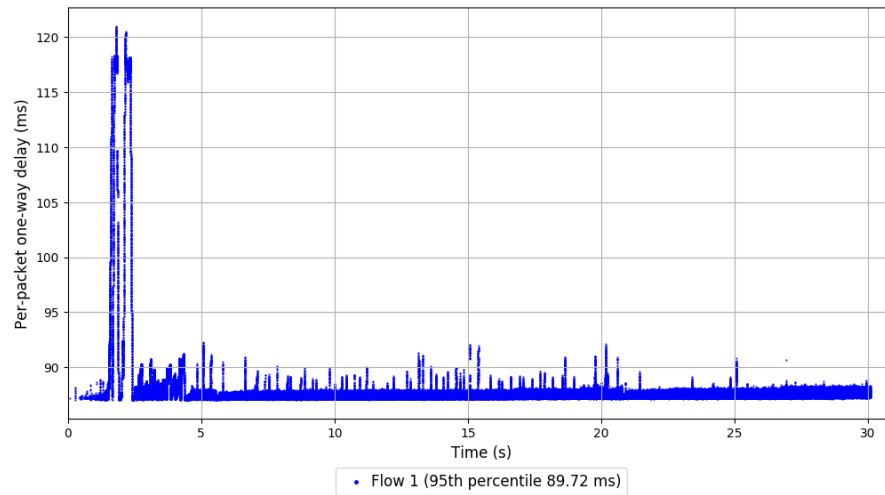
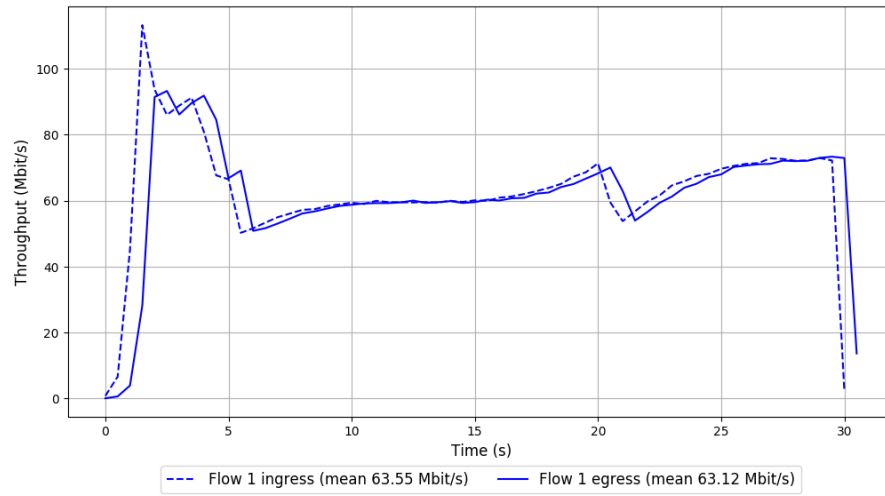
-- Flow 1:

Average throughput: 63.12 Mbit/s

95th percentile per-packet one-way delay: 89.718 ms

Loss rate: 0.67%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2019-02-11 14:00:10

End at: 2019-02-11 14:00:40

Local clock offset: -2.982 ms

Remote clock offset: 6.209 ms

Below is generated by plot.py at 2019-02-11 14:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.23 Mbit/s

95th percentile per-packet one-way delay: 110.479 ms

Loss rate: 0.85%

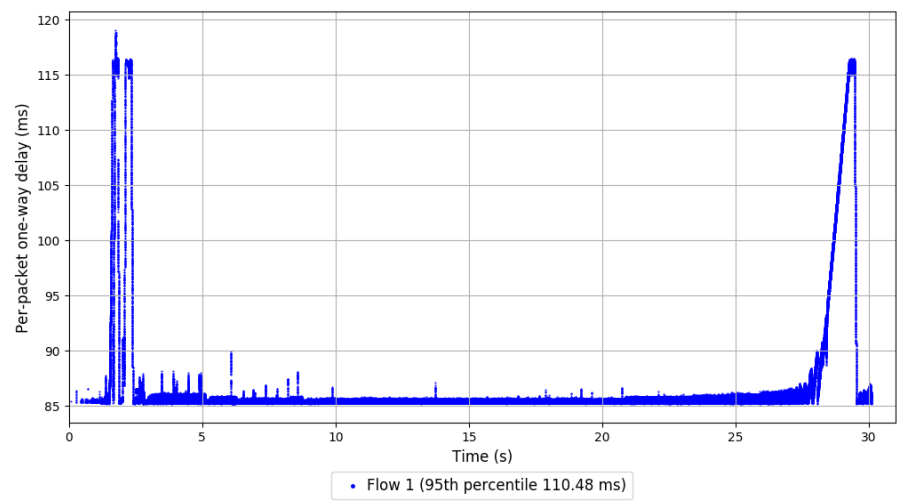
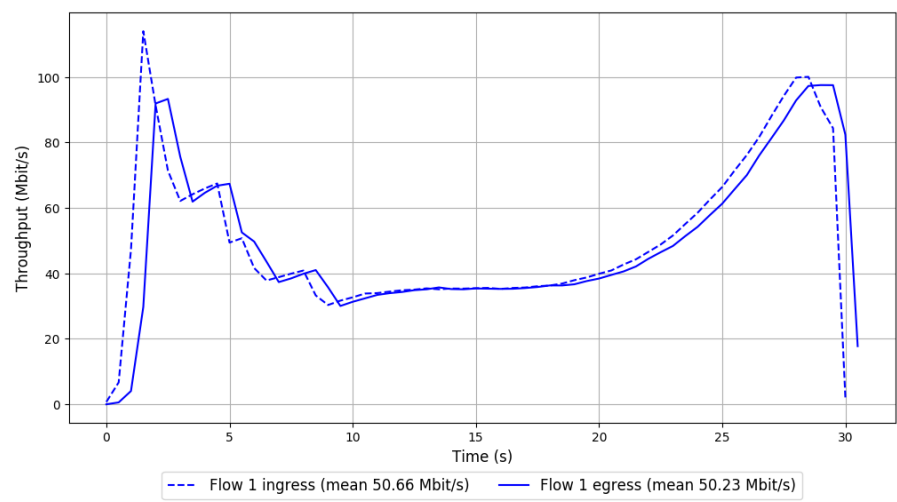
-- Flow 1:

Average throughput: 50.23 Mbit/s

95th percentile per-packet one-way delay: 110.479 ms

Loss rate: 0.85%

Run 5: Report of TCP Cubic — Data Link

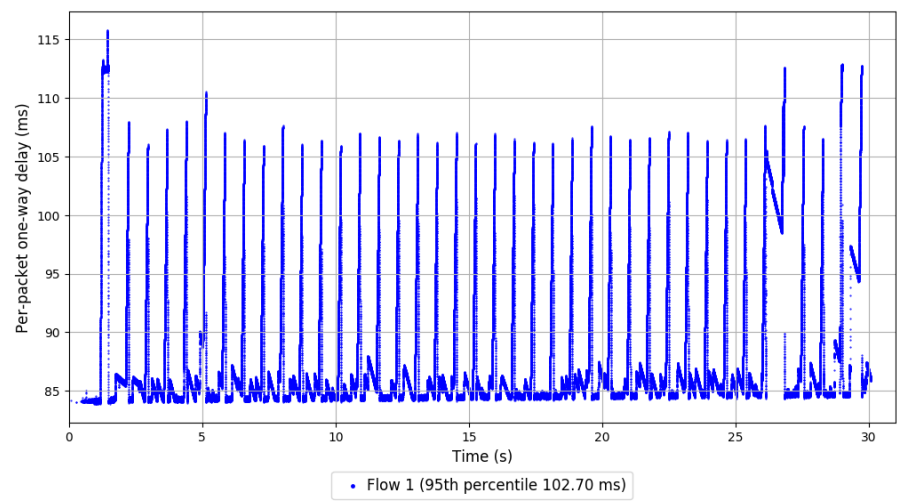
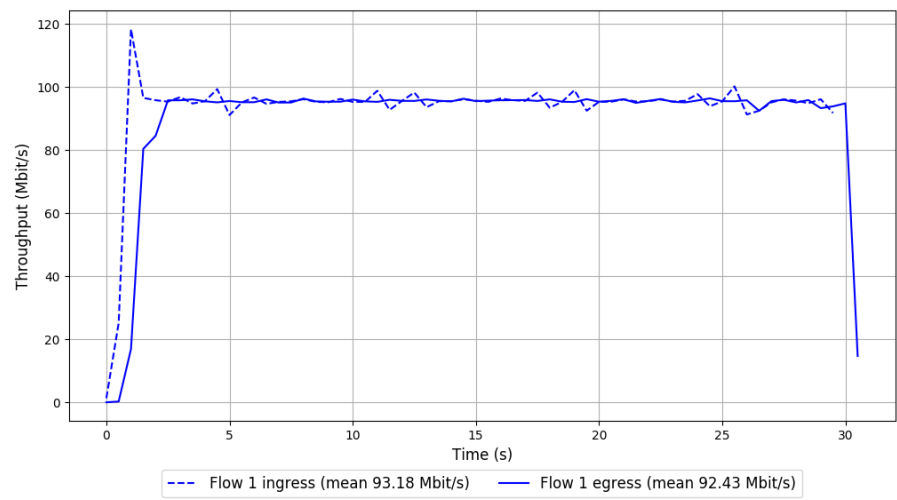


Run 1: Statistics of FillP

Start at: 2019-02-11 12:07:58
End at: 2019-02-11 12:08:28
Local clock offset: -22.721 ms
Remote clock offset: 2.796 ms

Below is generated by plot.py at 2019-02-11 14:06:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.43 Mbit/s
95th percentile per-packet one-way delay: 102.703 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 92.43 Mbit/s
95th percentile per-packet one-way delay: 102.703 ms
Loss rate: 0.81%

Run 1: Report of FillP — Data Link

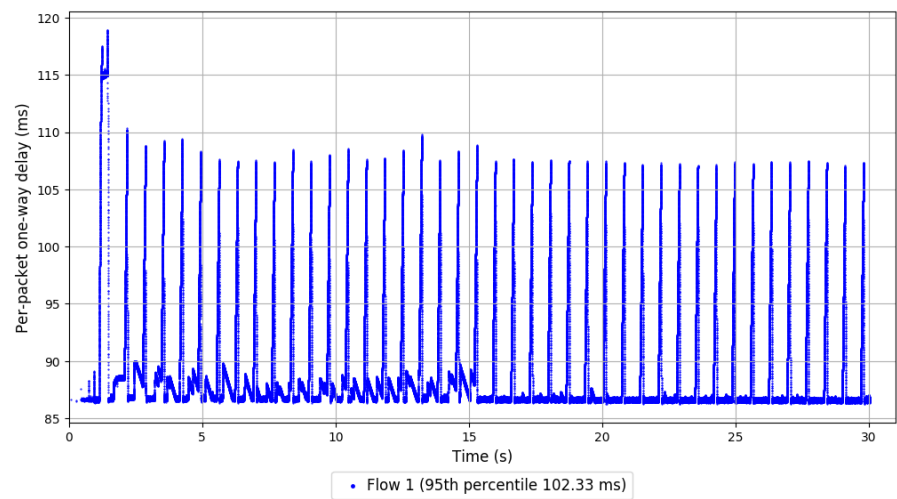
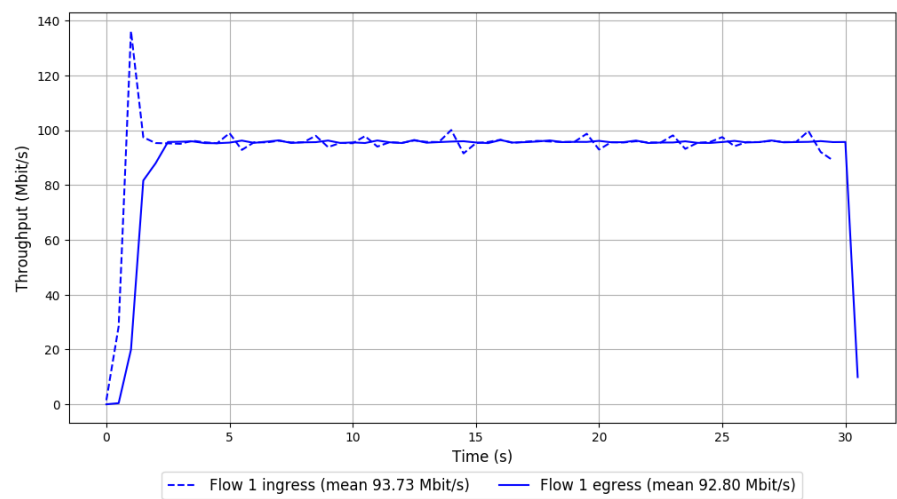


Run 2: Statistics of FillP

Start at: 2019-02-11 12:32:38
End at: 2019-02-11 12:33:08
Local clock offset: -21.077 ms
Remote clock offset: 7.6 ms

Below is generated by plot.py at 2019-02-11 14:06:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.80 Mbit/s
95th percentile per-packet one-way delay: 102.325 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 92.80 Mbit/s
95th percentile per-packet one-way delay: 102.325 ms
Loss rate: 1.00%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2019-02-11 12:57:27

End at: 2019-02-11 12:57:57

Local clock offset: -7.9 ms

Remote clock offset: 1.767 ms

Below is generated by plot.py at 2019-02-11 14:06:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.65 Mbit/s

95th percentile per-packet one-way delay: 99.022 ms

Loss rate: 1.02%

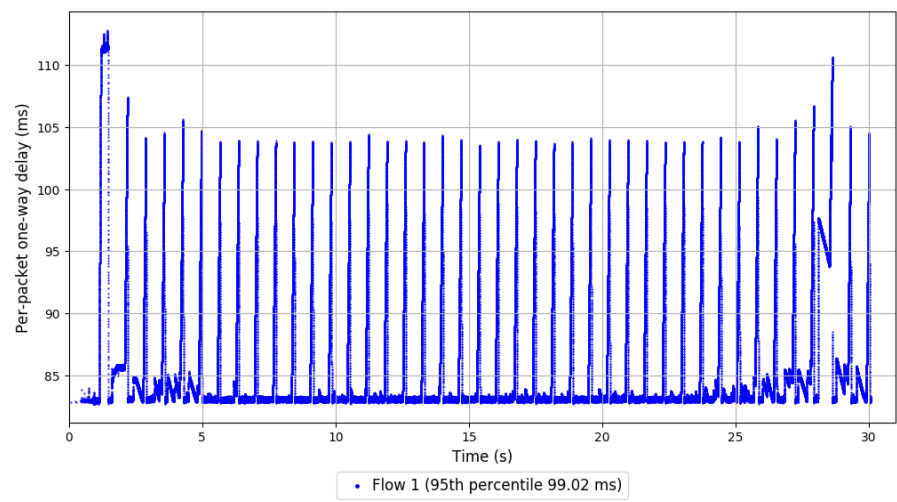
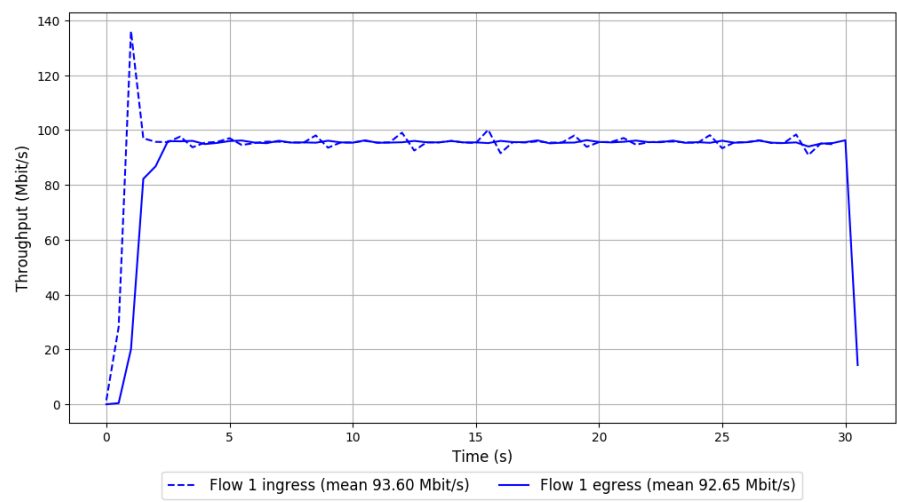
-- Flow 1:

Average throughput: 92.65 Mbit/s

95th percentile per-packet one-way delay: 99.022 ms

Loss rate: 1.02%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2019-02-11 13:22:26

End at: 2019-02-11 13:22:56

Local clock offset: -4.354 ms

Remote clock offset: 1.263 ms

Below is generated by plot.py at 2019-02-11 14:06:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.50 Mbit/s

95th percentile per-packet one-way delay: 102.242 ms

Loss rate: 1.61%

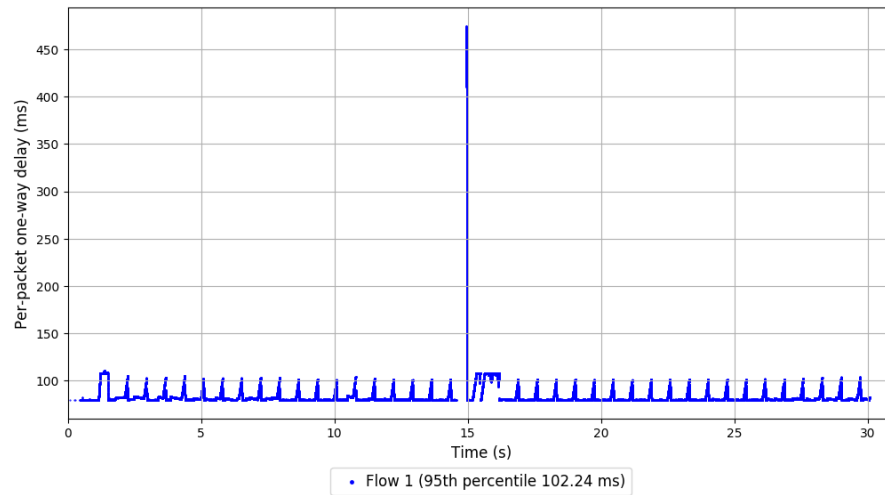
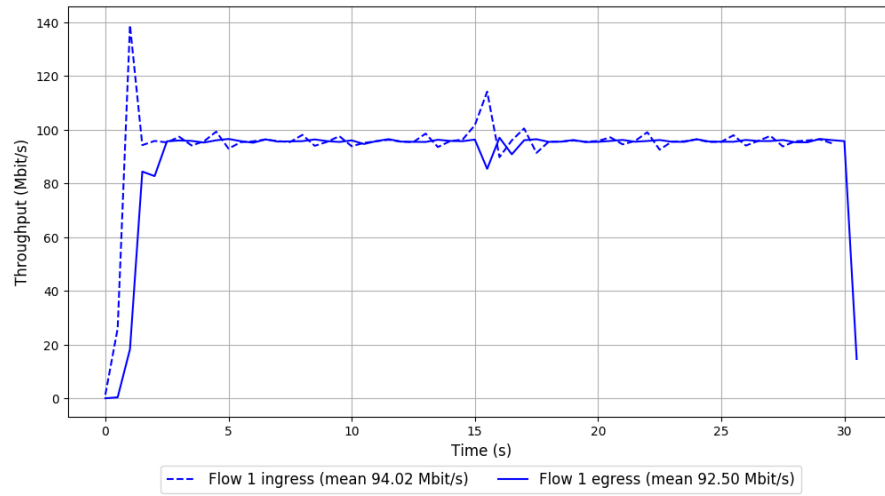
-- Flow 1:

Average throughput: 92.50 Mbit/s

95th percentile per-packet one-way delay: 102.242 ms

Loss rate: 1.61%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2019-02-11 13:47:12

End at: 2019-02-11 13:47:43

Local clock offset: -2.498 ms

Remote clock offset: 7.102 ms

Below is generated by plot.py at 2019-02-11 14:07:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.82 Mbit/s

95th percentile per-packet one-way delay: 101.380 ms

Loss rate: 1.03%

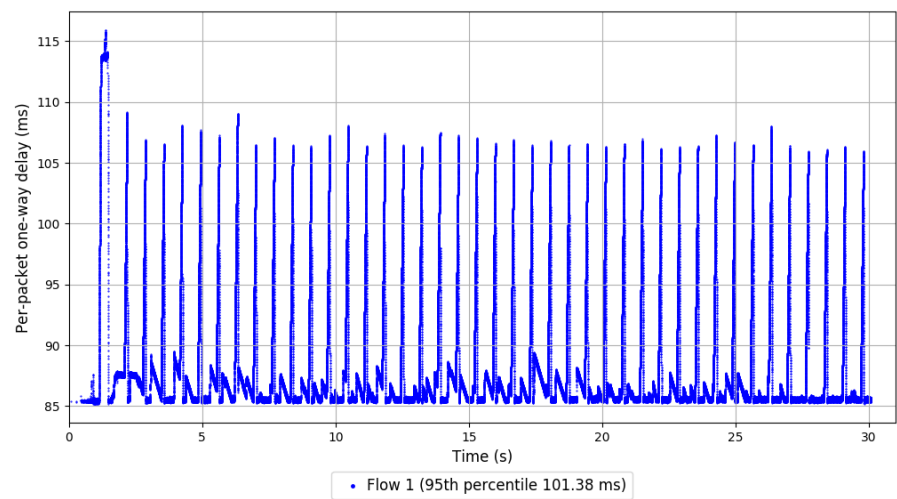
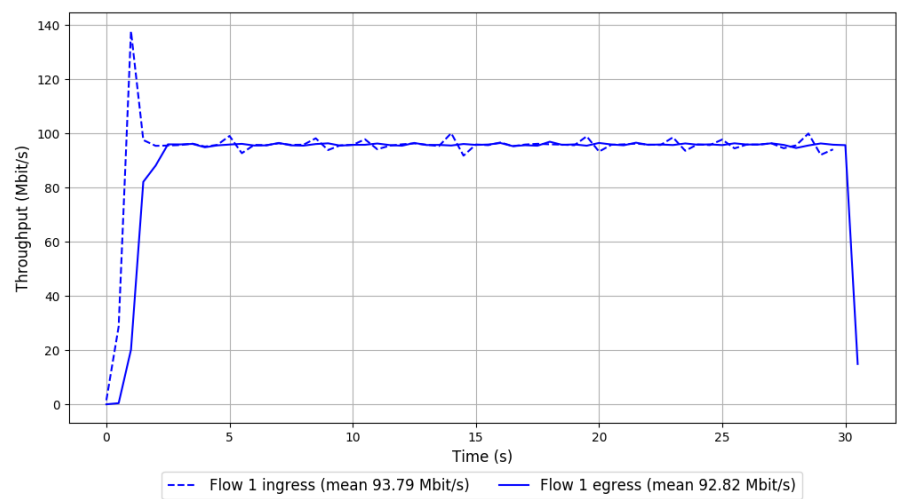
-- Flow 1:

Average throughput: 92.82 Mbit/s

95th percentile per-packet one-way delay: 101.380 ms

Loss rate: 1.03%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-02-11 12:05:36

End at: 2019-02-11 12:06:06

Local clock offset: -25.95 ms

Remote clock offset: 1.749 ms

Below is generated by plot.py at 2019-02-11 14:07:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.64 Mbit/s

95th percentile per-packet one-way delay: 97.741 ms

Loss rate: 2.97%

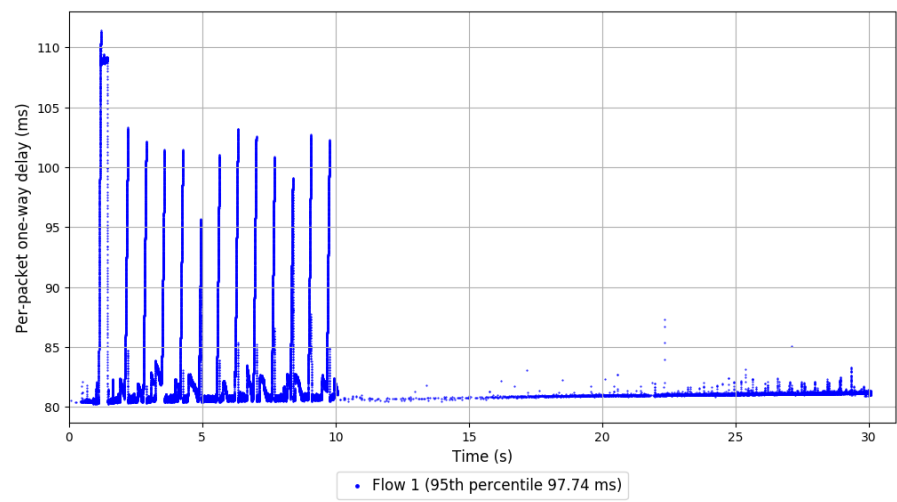
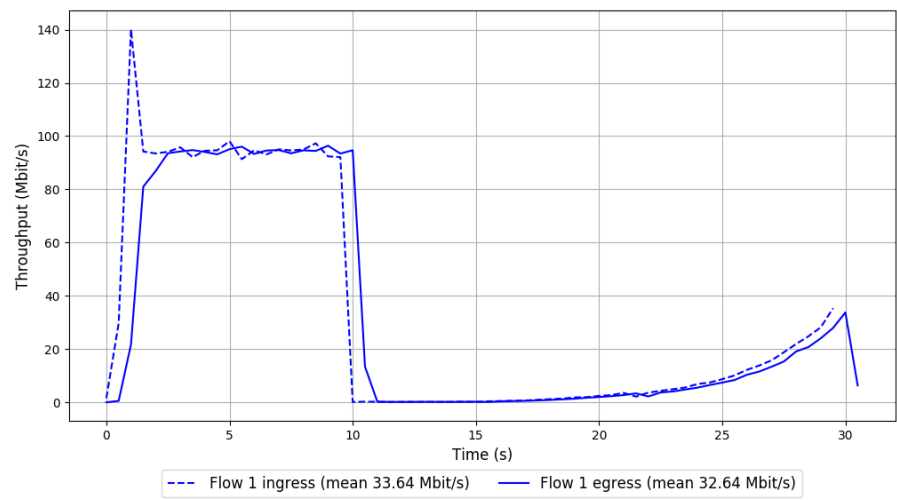
-- Flow 1:

Average throughput: 32.64 Mbit/s

95th percentile per-packet one-way delay: 97.741 ms

Loss rate: 2.97%

Run 1: Report of FillP-Sheep — Data Link

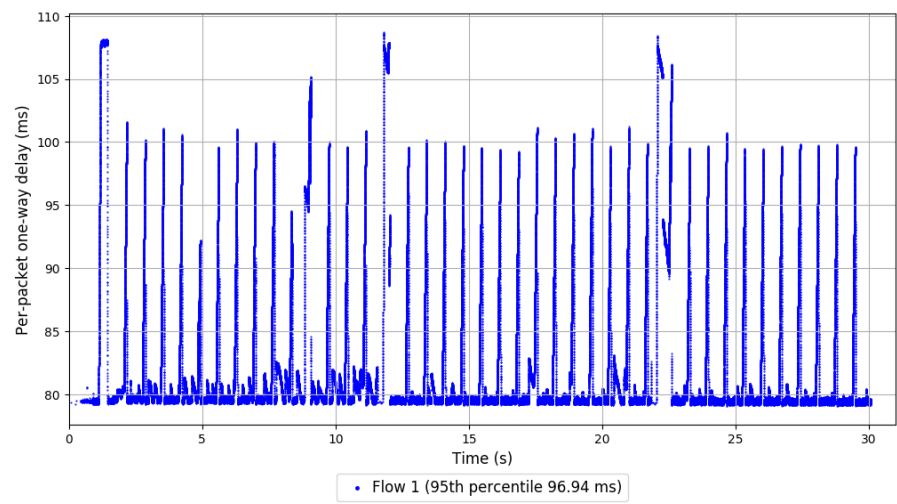
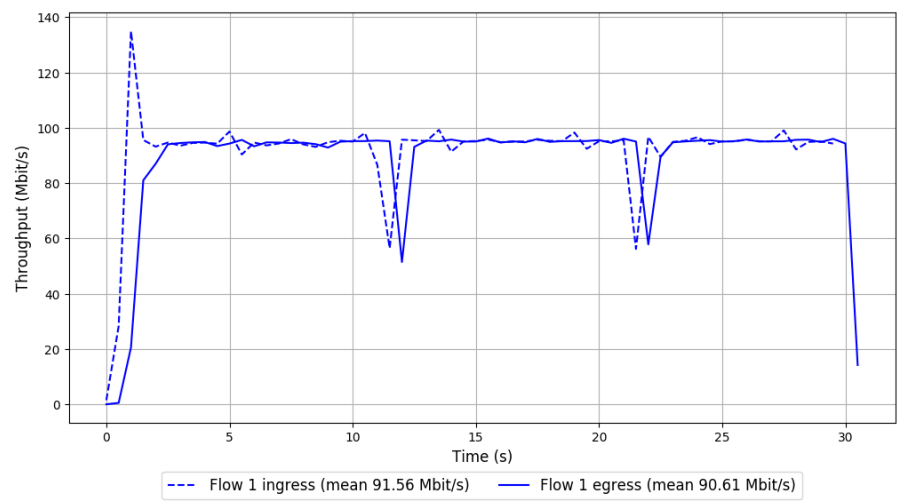


Run 2: Statistics of FillP-Sheep

Start at: 2019-02-11 12:30:14
End at: 2019-02-11 12:30:44
Local clock offset: -20.237 ms
Remote clock offset: 1.294 ms

Below is generated by plot.py at 2019-02-11 14:07:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.61 Mbit/s
95th percentile per-packet one-way delay: 96.935 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 90.61 Mbit/s
95th percentile per-packet one-way delay: 96.935 ms
Loss rate: 1.04%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2019-02-11 12:54:59

End at: 2019-02-11 12:55:30

Local clock offset: -7.146 ms

Remote clock offset: 7.172 ms

Below is generated by plot.py at 2019-02-11 14:07:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.07 Mbit/s

95th percentile per-packet one-way delay: 112.695 ms

Loss rate: 2.10%

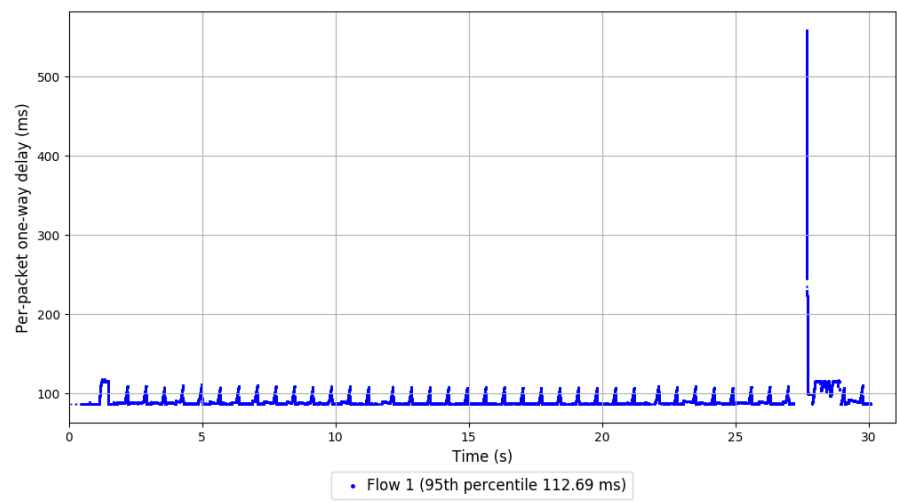
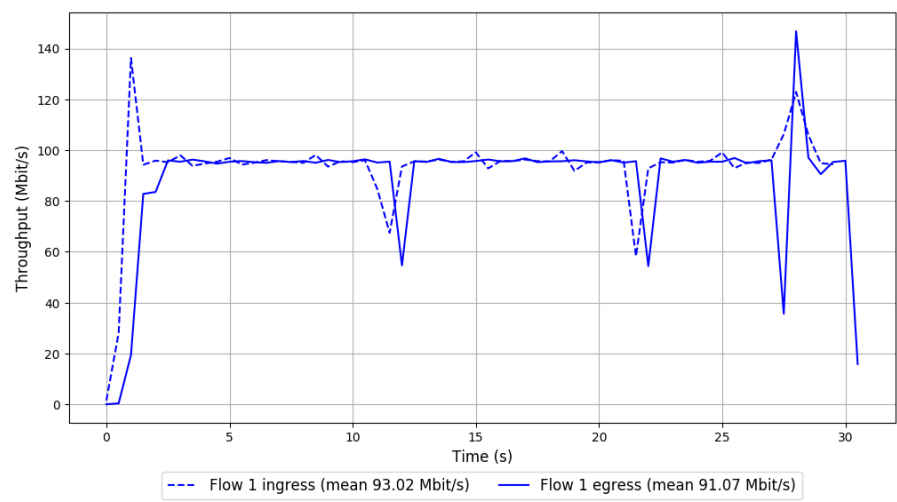
-- Flow 1:

Average throughput: 91.07 Mbit/s

95th percentile per-packet one-way delay: 112.695 ms

Loss rate: 2.10%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2019-02-11 13:20:02

End at: 2019-02-11 13:20:32

Local clock offset: -5.104 ms

Remote clock offset: 5.291 ms

Below is generated by plot.py at 2019-02-11 14:07:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.88 Mbit/s

95th percentile per-packet one-way delay: 100.958 ms

Loss rate: 1.08%

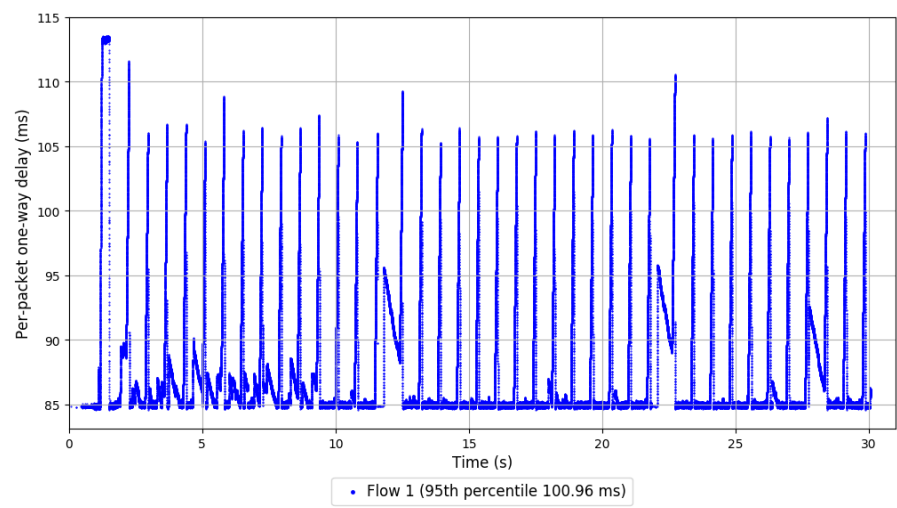
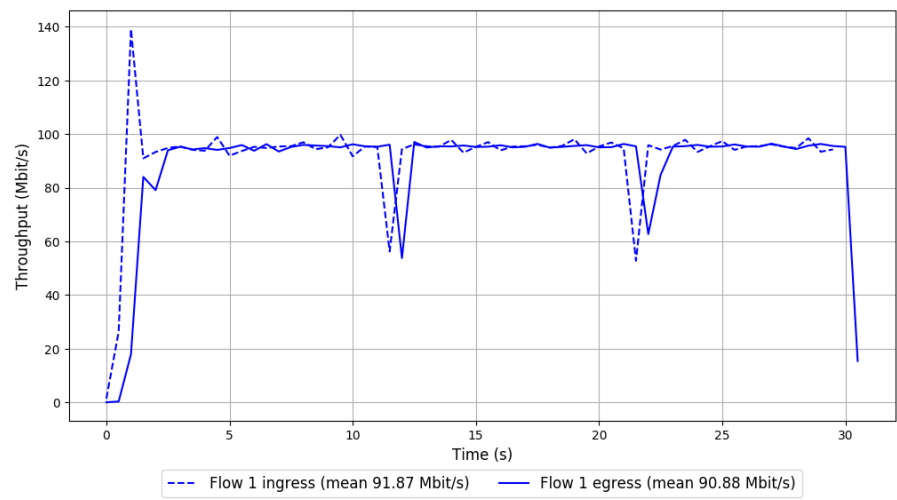
-- Flow 1:

Average throughput: 90.88 Mbit/s

95th percentile per-packet one-way delay: 100.958 ms

Loss rate: 1.08%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-02-11 13:44:49

End at: 2019-02-11 13:45:19

Local clock offset: -3.39 ms

Remote clock offset: 7.182 ms

Below is generated by plot.py at 2019-02-11 14:07:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.66 Mbit/s

95th percentile per-packet one-way delay: 104.559 ms

Loss rate: 2.59%

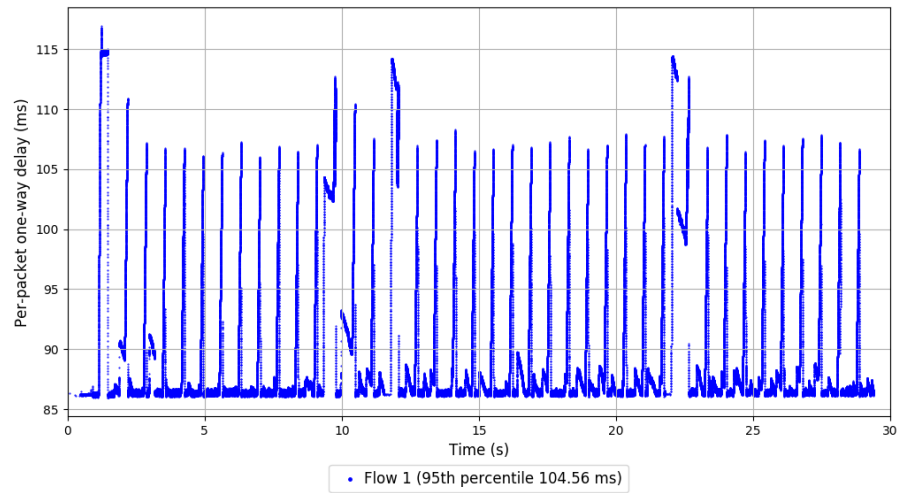
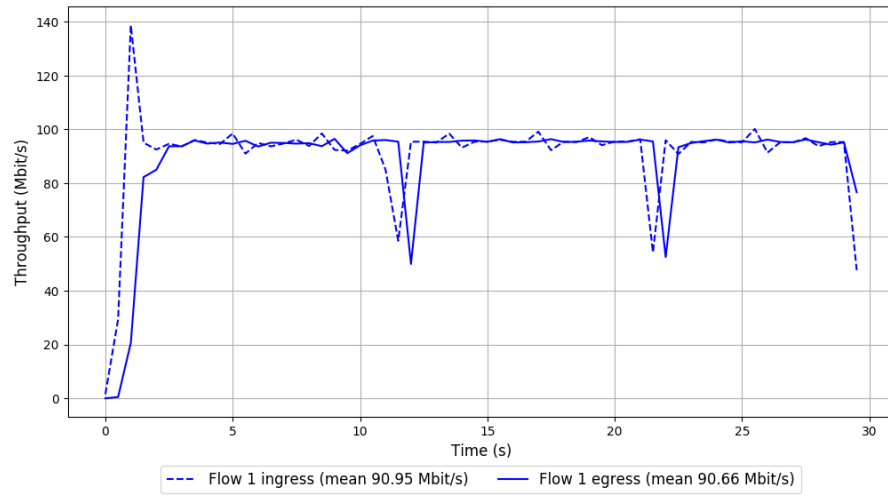
-- Flow 1:

Average throughput: 90.66 Mbit/s

95th percentile per-packet one-way delay: 104.559 ms

Loss rate: 2.59%

Run 5: Report of FillP-Sheep — Data Link

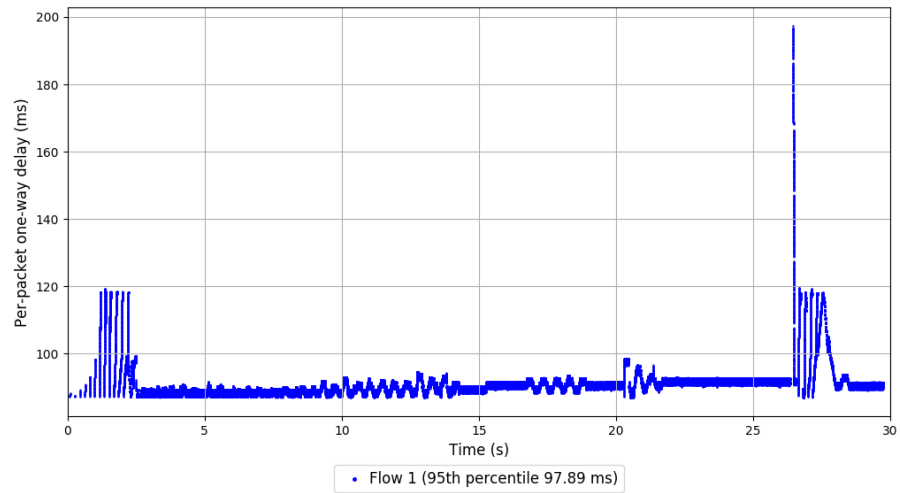
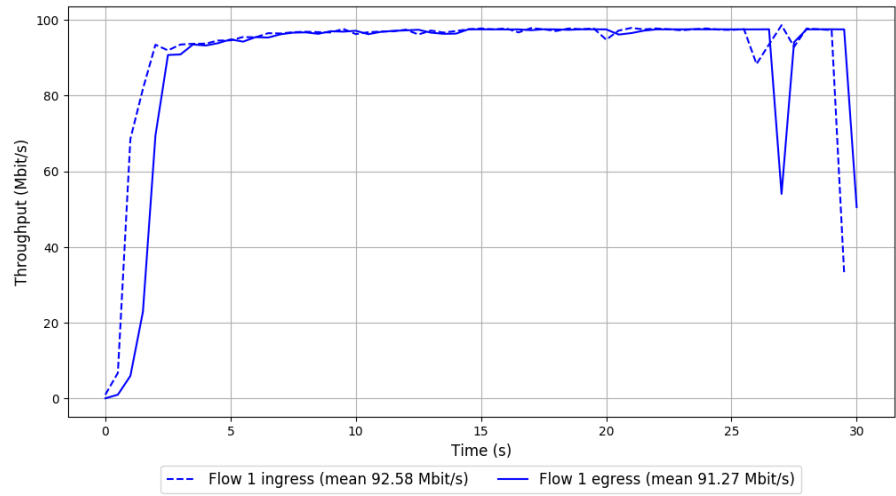


Run 1: Statistics of Indigo

Start at: 2019-02-11 11:59:41
End at: 2019-02-11 12:00:12
Local clock offset: -25.309 ms
Remote clock offset: 7.66 ms

Below is generated by plot.py at 2019-02-11 14:07:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.27 Mbit/s
95th percentile per-packet one-way delay: 97.889 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 91.27 Mbit/s
95th percentile per-packet one-way delay: 97.889 ms
Loss rate: 1.40%

Run 1: Report of Indigo — Data Link

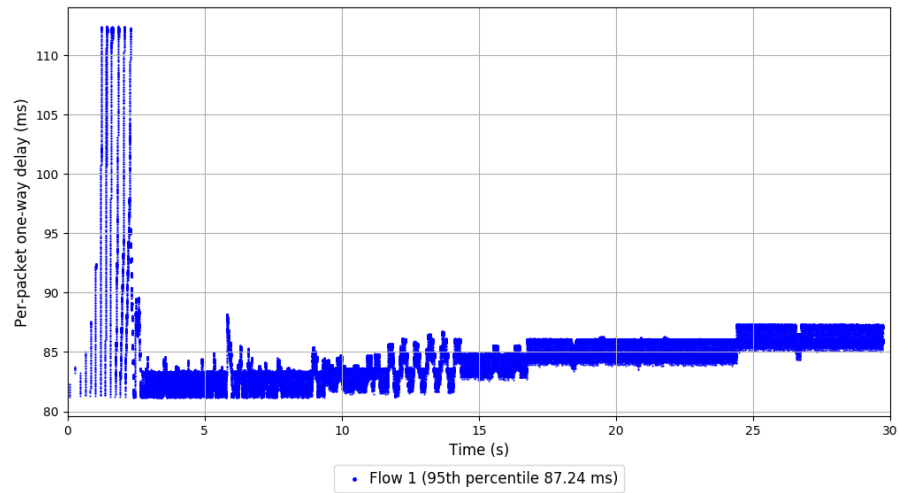
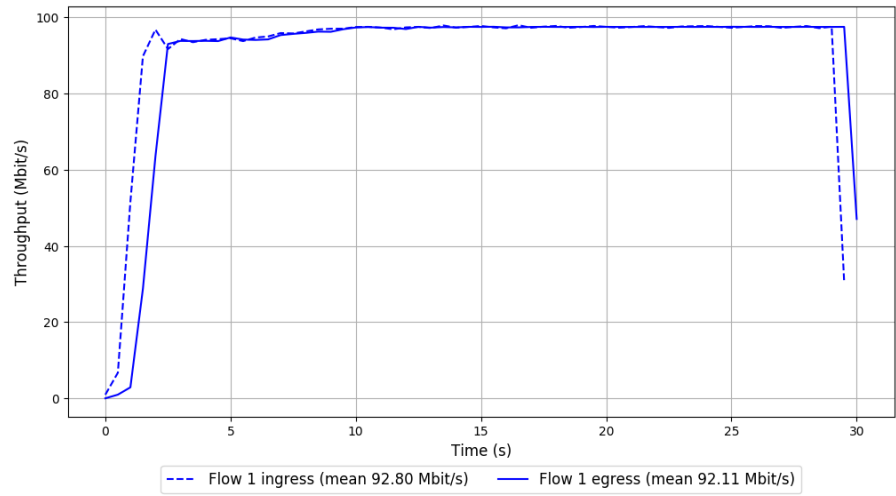


Run 2: Statistics of Indigo

Start at: 2019-02-11 12:24:20
End at: 2019-02-11 12:24:50
Local clock offset: -18.594 ms
Remote clock offset: 1.213 ms

Below is generated by plot.py at 2019-02-11 14:07:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.11 Mbit/s
95th percentile per-packet one-way delay: 87.239 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 92.11 Mbit/s
95th percentile per-packet one-way delay: 87.239 ms
Loss rate: 0.72%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2019-02-11 12:49:02

End at: 2019-02-11 12:49:32

Local clock offset: -7.889 ms

Remote clock offset: 6.066 ms

Below is generated by plot.py at 2019-02-11 14:07:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.03 Mbit/s

95th percentile per-packet one-way delay: 96.169 ms

Loss rate: 1.78%

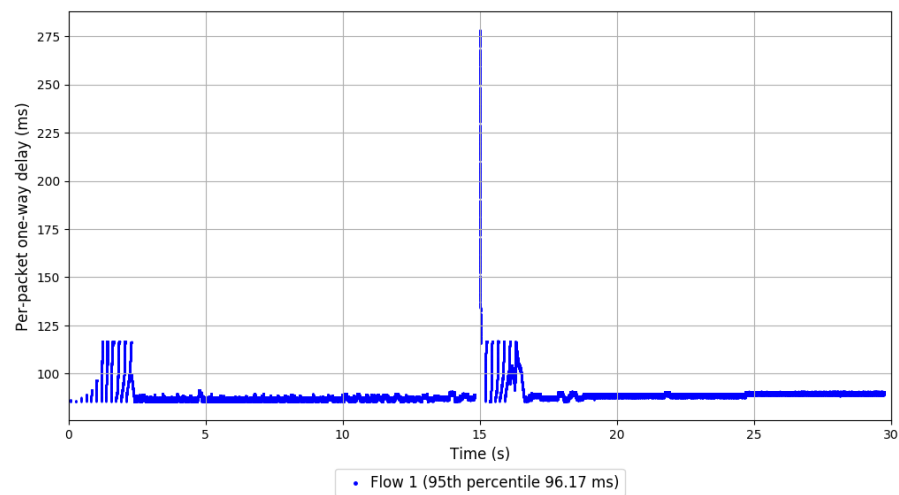
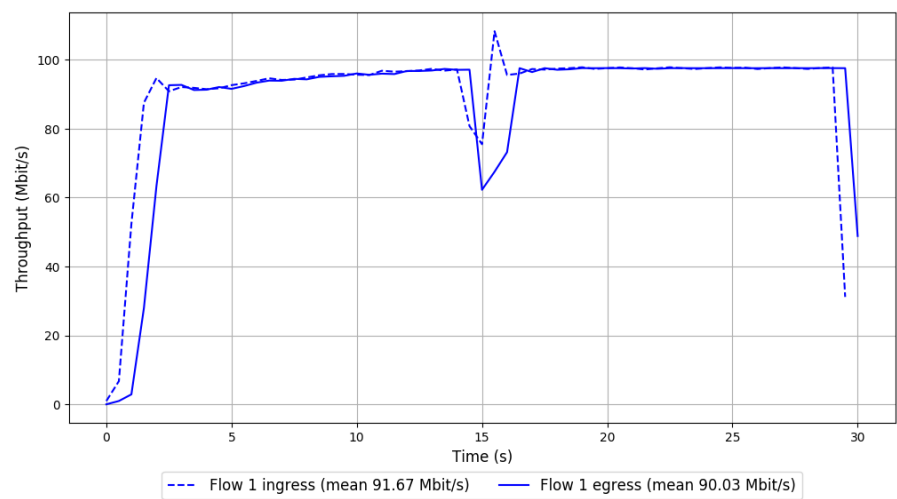
-- Flow 1:

Average throughput: 90.03 Mbit/s

95th percentile per-packet one-way delay: 96.169 ms

Loss rate: 1.78%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-02-11 13:14:05

End at: 2019-02-11 13:14:35

Local clock offset: -4.768 ms

Remote clock offset: 0.182 ms

Below is generated by plot.py at 2019-02-11 14:08:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.09 Mbit/s

95th percentile per-packet one-way delay: 86.835 ms

Loss rate: 1.17%

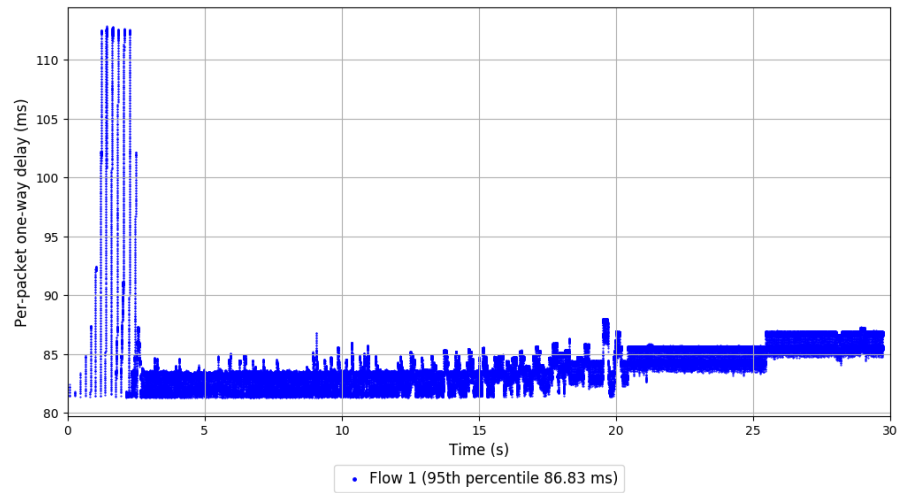
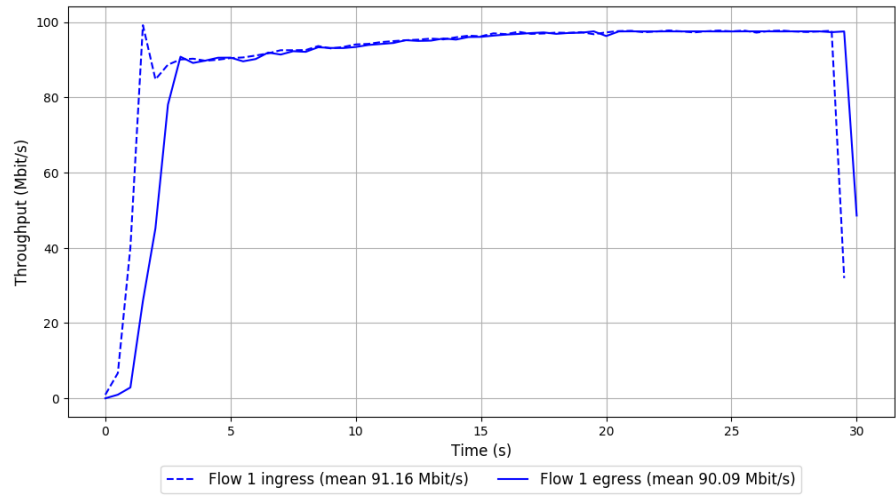
-- Flow 1:

Average throughput: 90.09 Mbit/s

95th percentile per-packet one-way delay: 86.835 ms

Loss rate: 1.17%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-02-11 13:38:52

End at: 2019-02-11 13:39:22

Local clock offset: -4.309 ms

Remote clock offset: 6.153 ms

Below is generated by plot.py at 2019-02-11 14:08:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.71 Mbit/s

95th percentile per-packet one-way delay: 93.633 ms

Loss rate: 1.22%

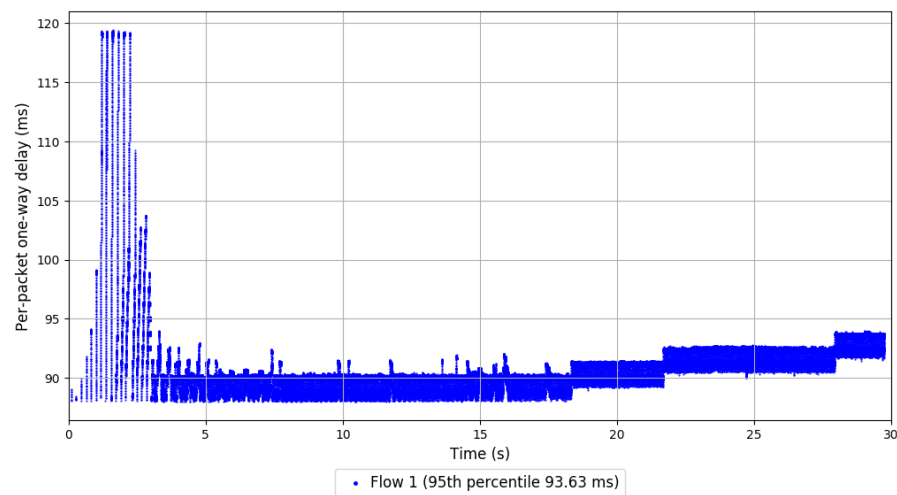
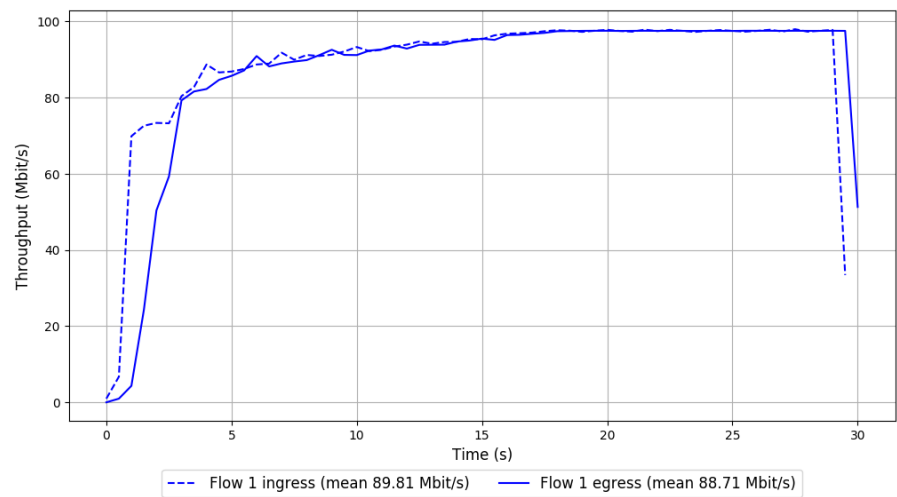
-- Flow 1:

Average throughput: 88.71 Mbit/s

95th percentile per-packet one-way delay: 93.633 ms

Loss rate: 1.22%

Run 5: Report of Indigo — Data Link

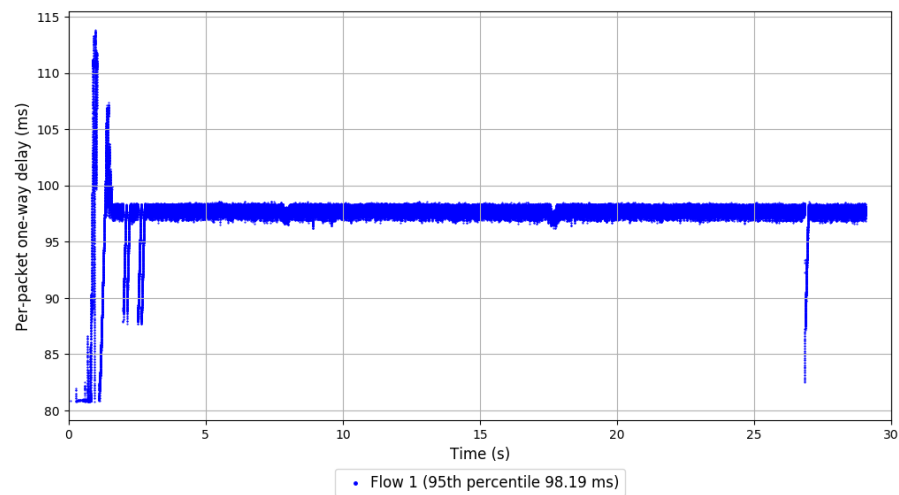
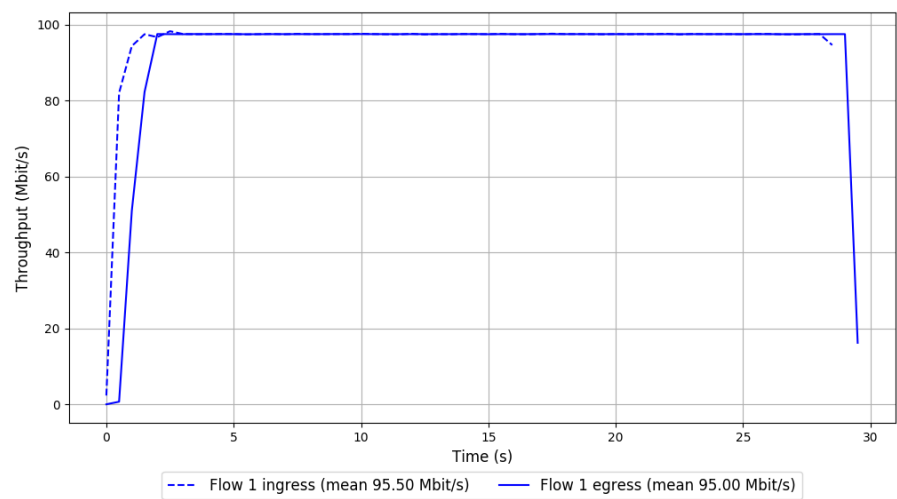


Run 1: Statistics of Indigo-MusesC3

Start at: 2019-02-11 12:22:01
End at: 2019-02-11 12:22:31
Local clock offset: -18.163 ms
Remote clock offset: 2.434 ms

Below is generated by plot.py at 2019-02-11 14:08:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.00 Mbit/s
95th percentile per-packet one-way delay: 98.187 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 95.00 Mbit/s
95th percentile per-packet one-way delay: 98.187 ms
Loss rate: 0.47%

Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2019-02-11 12:46:42

End at: 2019-02-11 12:47:12

Local clock offset: -9.3 ms

Remote clock offset: 5.203 ms

Below is generated by plot.py at 2019-02-11 14:08:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.37 Mbit/s

95th percentile per-packet one-way delay: 98.659 ms

Loss rate: 0.48%

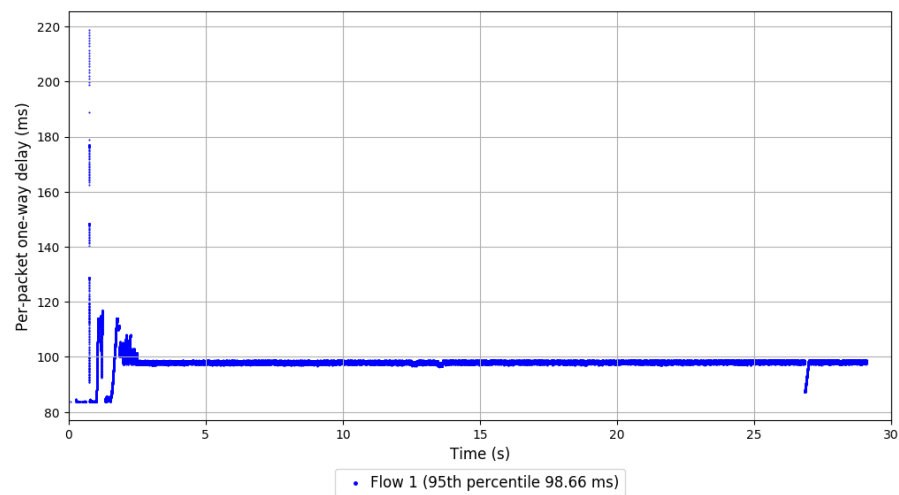
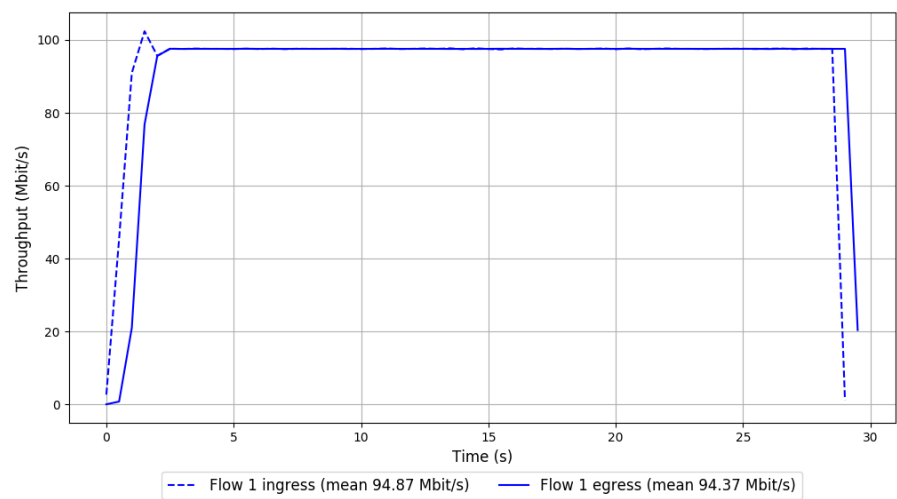
-- Flow 1:

Average throughput: 94.37 Mbit/s

95th percentile per-packet one-way delay: 98.659 ms

Loss rate: 0.48%

Run 2: Report of Indigo-MusesC3 — Data Link



Run 3: Statistics of Indigo-MusesC3

Start at: 2019-02-11 13:11:43

End at: 2019-02-11 13:12:13

Local clock offset: -5.843 ms

Remote clock offset: 1.495 ms

Below is generated by plot.py at 2019-02-11 14:08:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.00 Mbit/s

95th percentile per-packet one-way delay: 95.695 ms

Loss rate: 0.47%

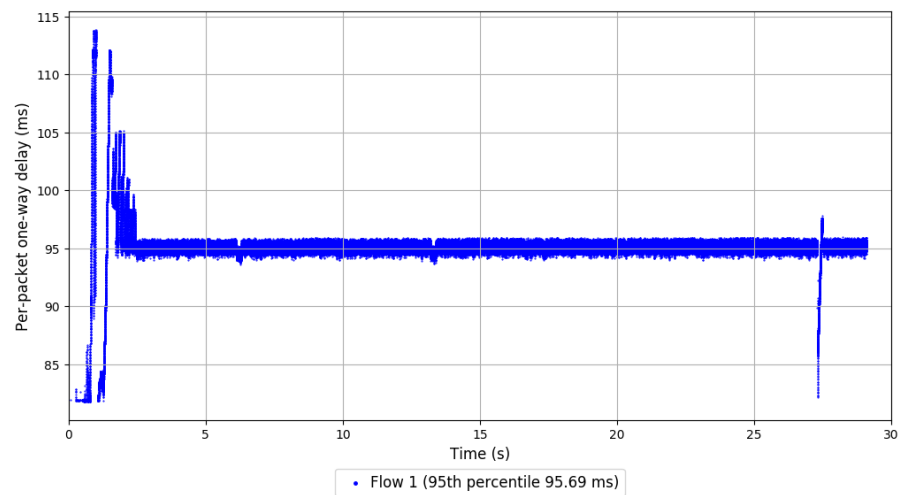
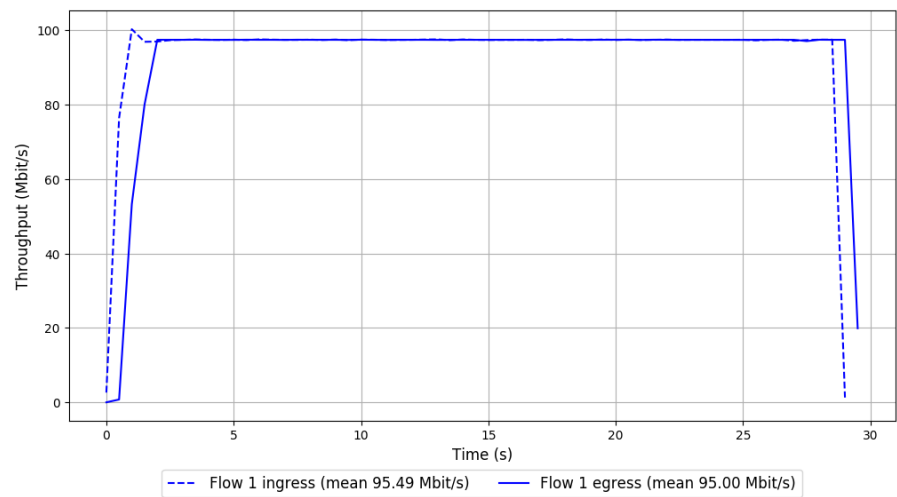
-- Flow 1:

Average throughput: 95.00 Mbit/s

95th percentile per-packet one-way delay: 95.695 ms

Loss rate: 0.47%

Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2019-02-11 13:36:32

End at: 2019-02-11 13:37:02

Local clock offset: -4.159 ms

Remote clock offset: 1.946 ms

Below is generated by plot.py at 2019-02-11 14:08:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.69 Mbit/s

95th percentile per-packet one-way delay: 94.477 ms

Loss rate: 0.13%

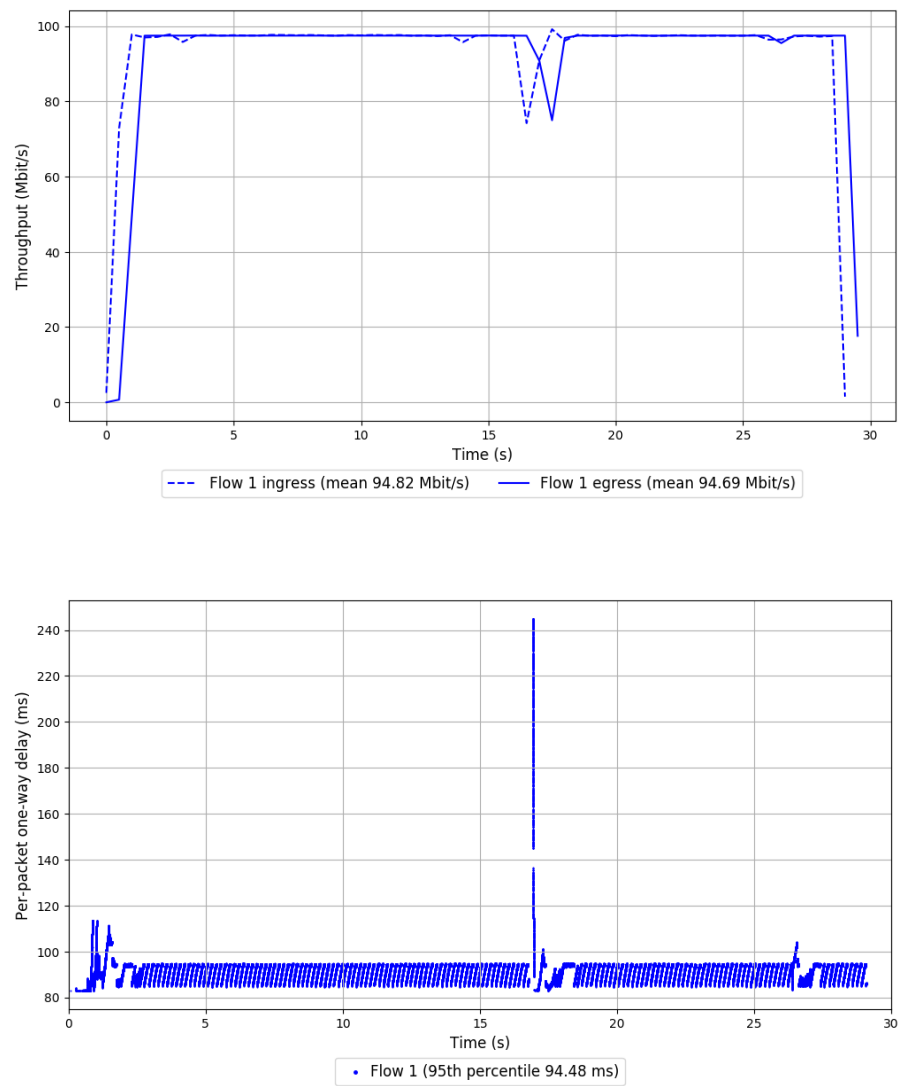
-- Flow 1:

Average throughput: 94.69 Mbit/s

95th percentile per-packet one-way delay: 94.477 ms

Loss rate: 0.13%

Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2019-02-11 14:01:21

End at: 2019-02-11 14:01:51

Local clock offset: -2.249 ms

Remote clock offset: 0.724 ms

Below is generated by plot.py at 2019-02-11 14:08:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.87 Mbit/s

95th percentile per-packet one-way delay: 97.147 ms

Loss rate: 0.66%

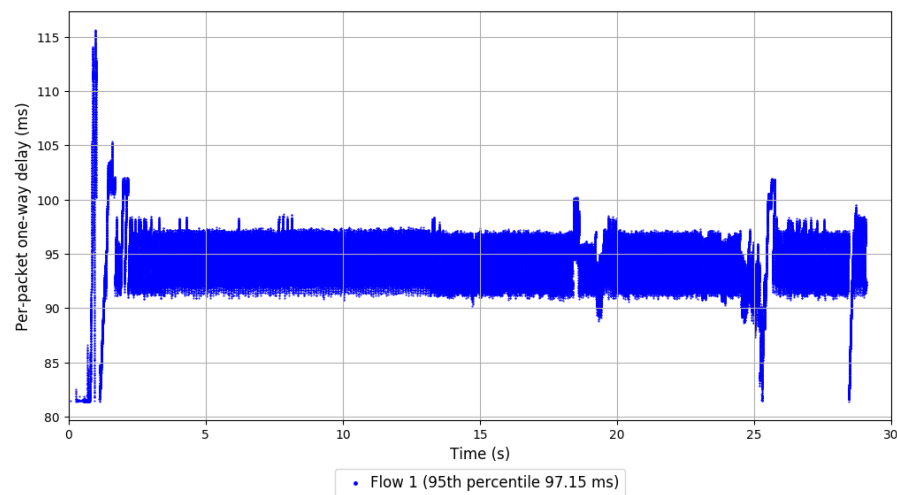
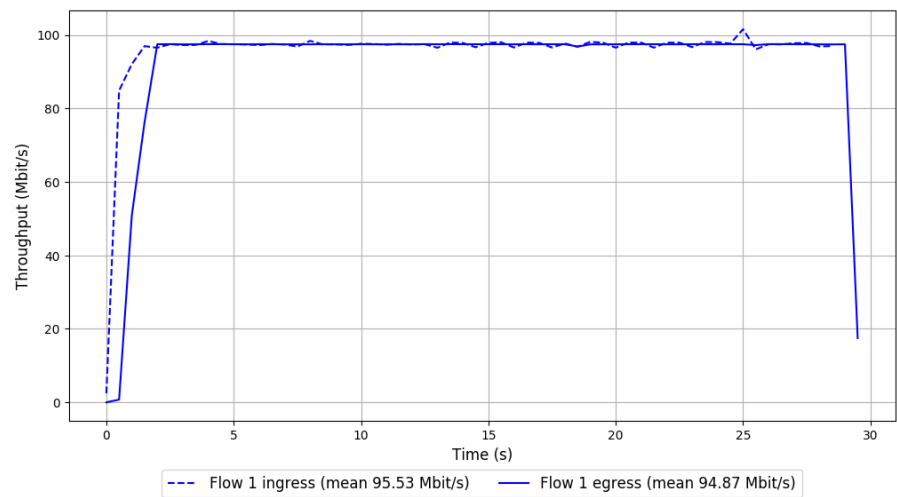
-- Flow 1:

Average throughput: 94.87 Mbit/s

95th percentile per-packet one-way delay: 97.147 ms

Loss rate: 0.66%

Run 5: Report of Indigo-MusesC3 — Data Link

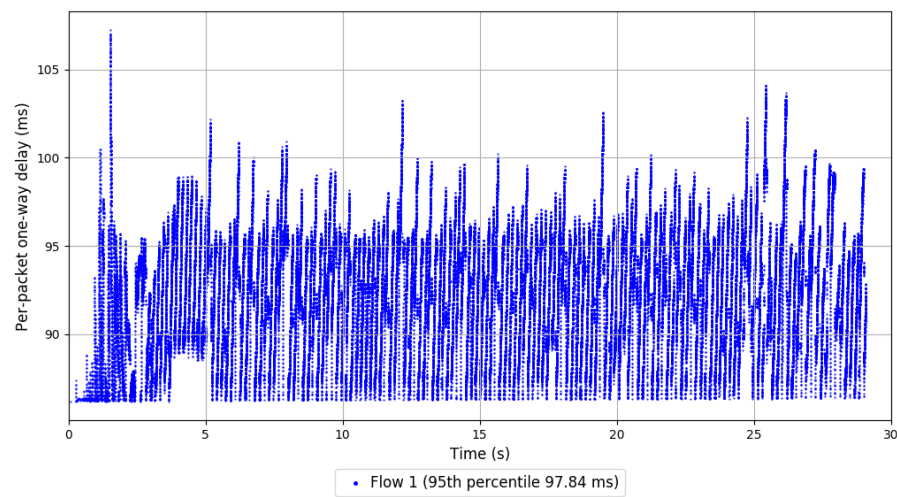
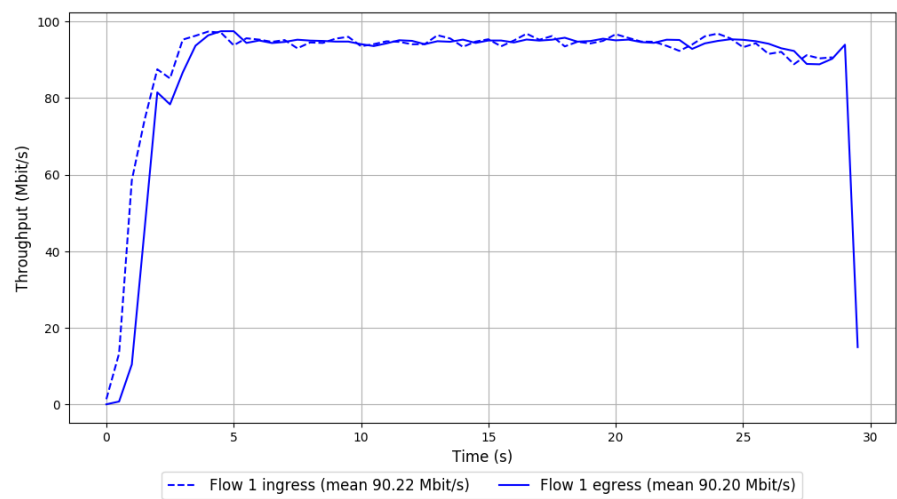


Run 1: Statistics of Indigo-MusesC5

Start at: 2019-02-11 12:13:49
End at: 2019-02-11 12:14:19
Local clock offset: -18.622 ms
Remote clock offset: 7.955 ms

Below is generated by plot.py at 2019-02-11 14:09:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.20 Mbit/s
95th percentile per-packet one-way delay: 97.839 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.20 Mbit/s
95th percentile per-packet one-way delay: 97.839 ms
Loss rate: 0.00%

Run 1: Report of Indigo-MusesC5 — Data Link

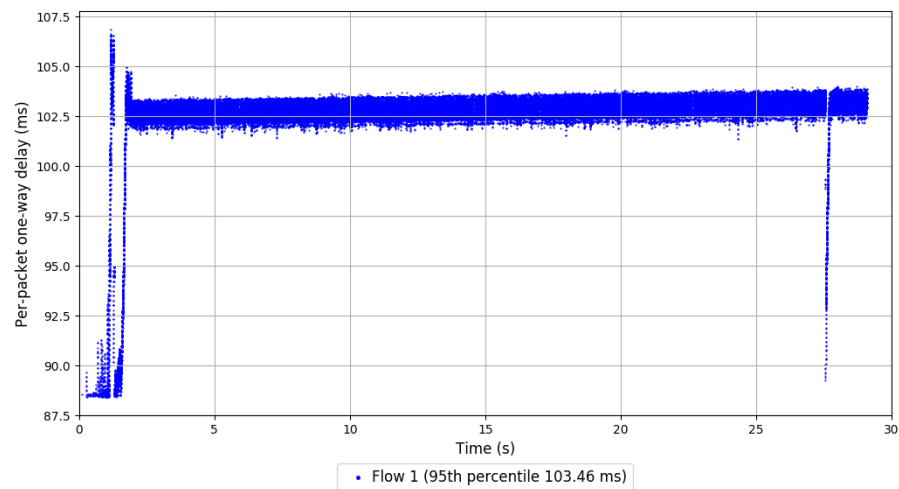
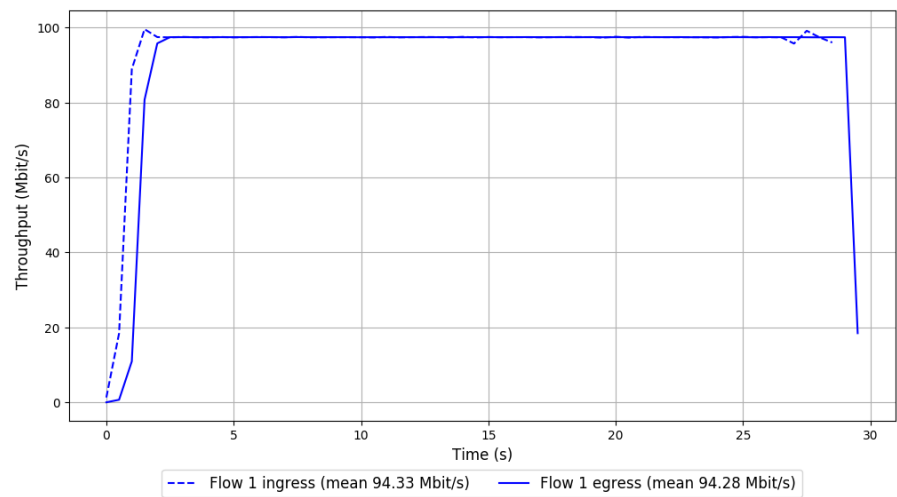


Run 2: Statistics of Indigo-MusesC5

Start at: 2019-02-11 12:38:29
End at: 2019-02-11 12:38:59
Local clock offset: -15.472 ms
Remote clock offset: 6.614 ms

Below is generated by plot.py at 2019-02-11 14:09:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.28 Mbit/s
95th percentile per-packet one-way delay: 103.462 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 94.28 Mbit/s
95th percentile per-packet one-way delay: 103.462 ms
Loss rate: 0.01%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-02-11 13:03:23

End at: 2019-02-11 13:03:53

Local clock offset: -8.289 ms

Remote clock offset: 6.727 ms

Below is generated by plot.py at 2019-02-11 14:09:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.21 Mbit/s

95th percentile per-packet one-way delay: 103.578 ms

Loss rate: 0.01%

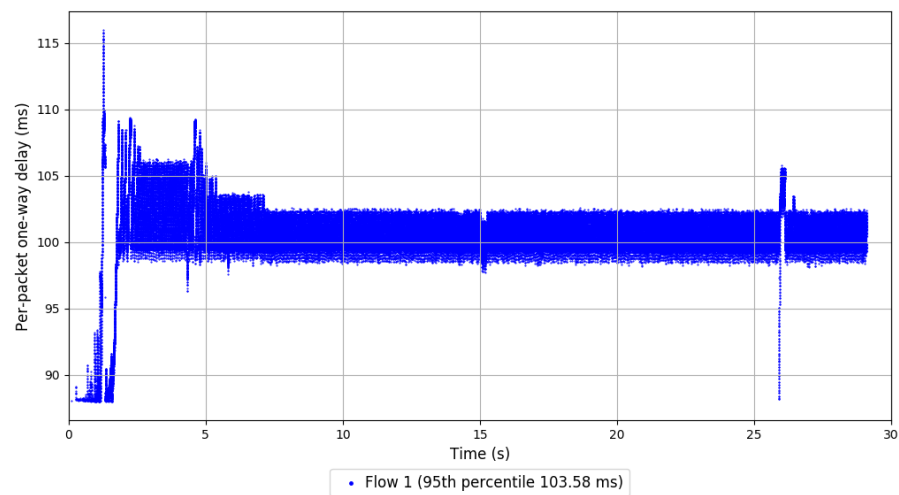
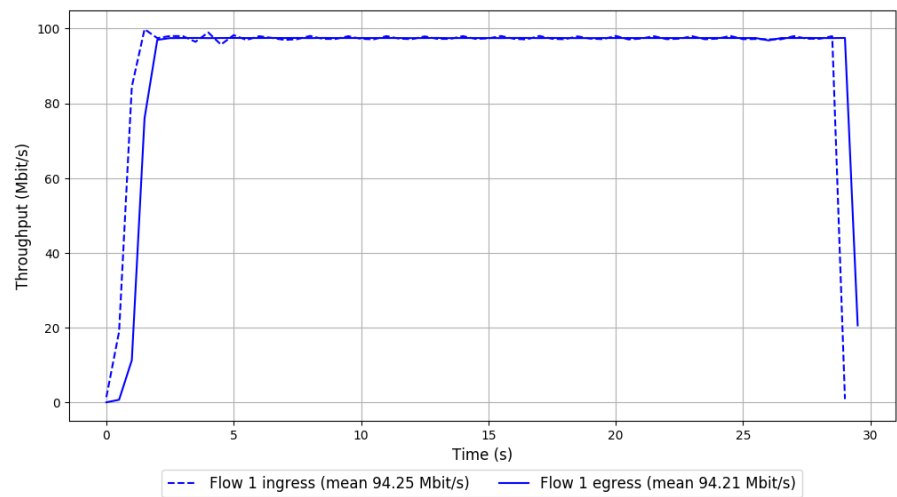
-- Flow 1:

Average throughput: 94.21 Mbit/s

95th percentile per-packet one-way delay: 103.578 ms

Loss rate: 0.01%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-02-11 13:28:18

End at: 2019-02-11 13:28:48

Local clock offset: -4.533 ms

Remote clock offset: 4.553 ms

Below is generated by plot.py at 2019-02-11 14:09:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.15 Mbit/s

95th percentile per-packet one-way delay: 93.515 ms

Loss rate: 0.00%

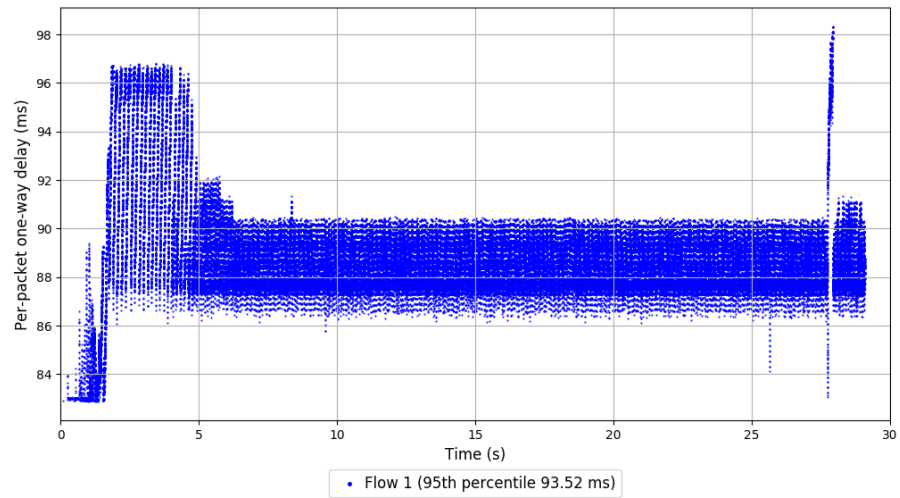
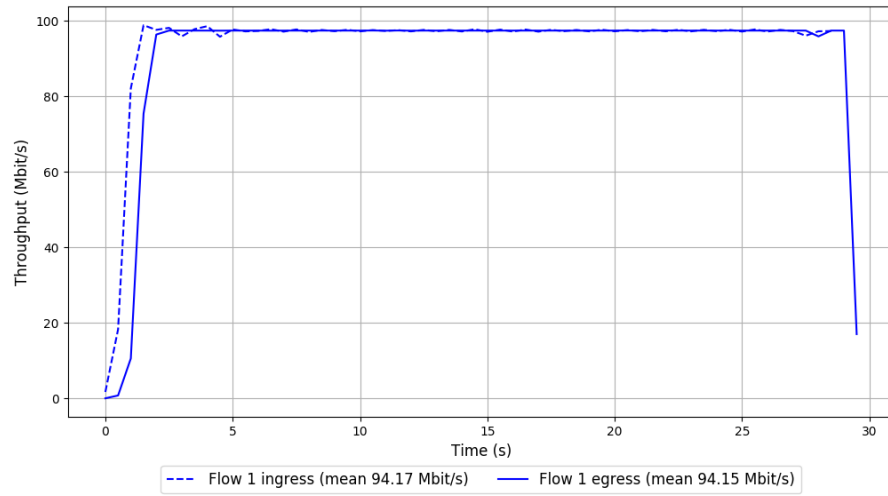
-- Flow 1:

Average throughput: 94.15 Mbit/s

95th percentile per-packet one-way delay: 93.515 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-02-11 13:53:04

End at: 2019-02-11 13:53:34

Local clock offset: -3.044 ms

Remote clock offset: 7.125 ms

Below is generated by plot.py at 2019-02-11 14:09:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.33 Mbit/s

95th percentile per-packet one-way delay: 93.830 ms

Loss rate: 0.33%

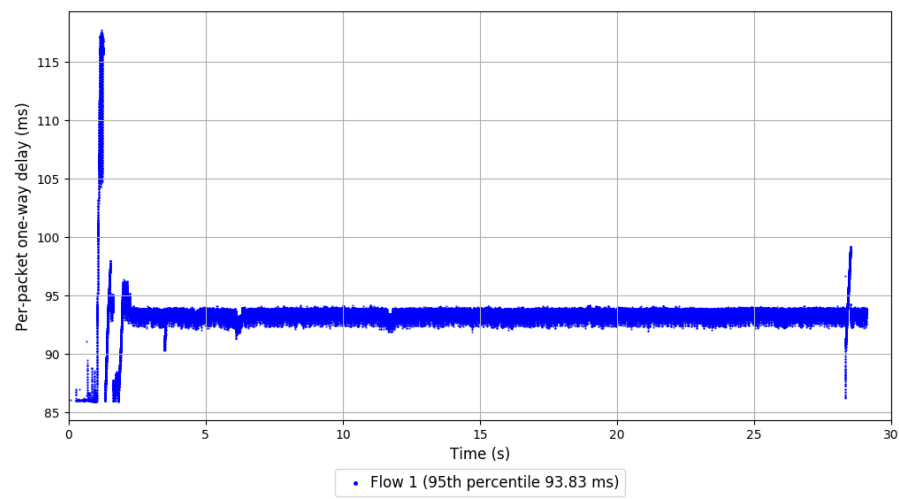
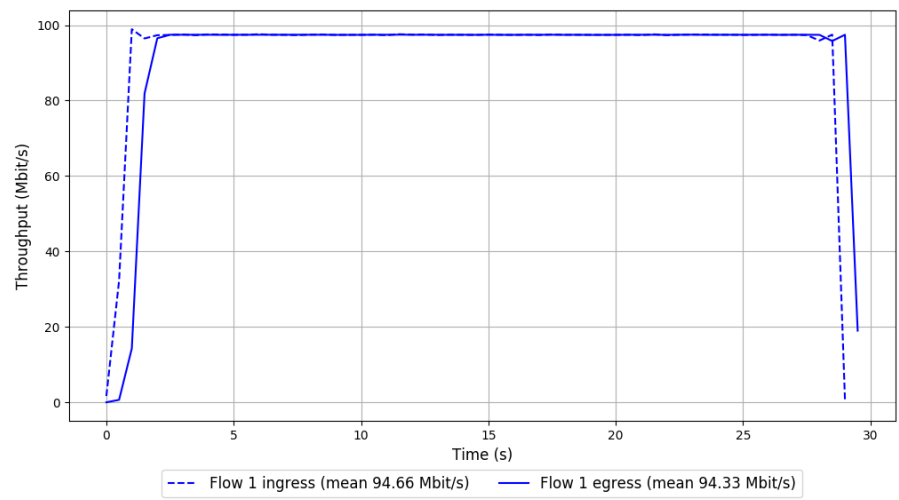
-- Flow 1:

Average throughput: 94.33 Mbit/s

95th percentile per-packet one-way delay: 93.830 ms

Loss rate: 0.33%

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

Start at: 2019-02-11 12:06:46

End at: 2019-02-11 12:07:16

Local clock offset: -23.45 ms

Remote clock offset: 6.768 ms

Below is generated by plot.py at 2019-02-11 14:09:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.97 Mbit/s

95th percentile per-packet one-way delay: 94.972 ms

Loss rate: 0.38%

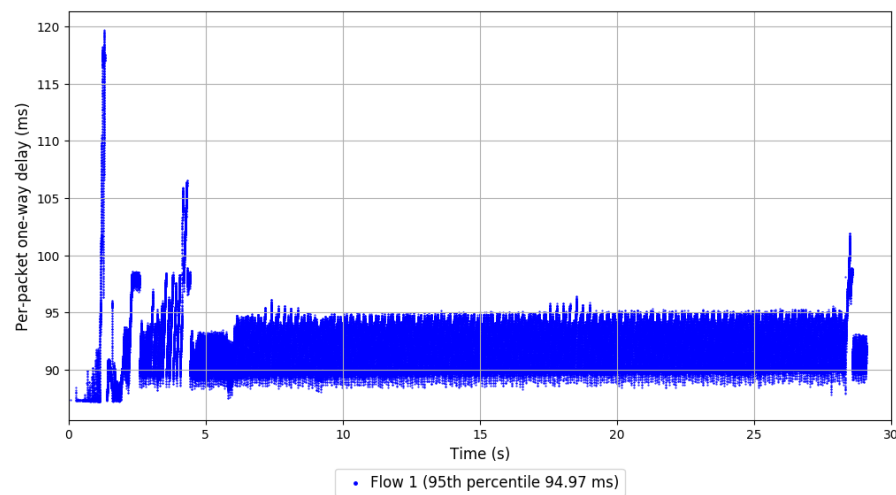
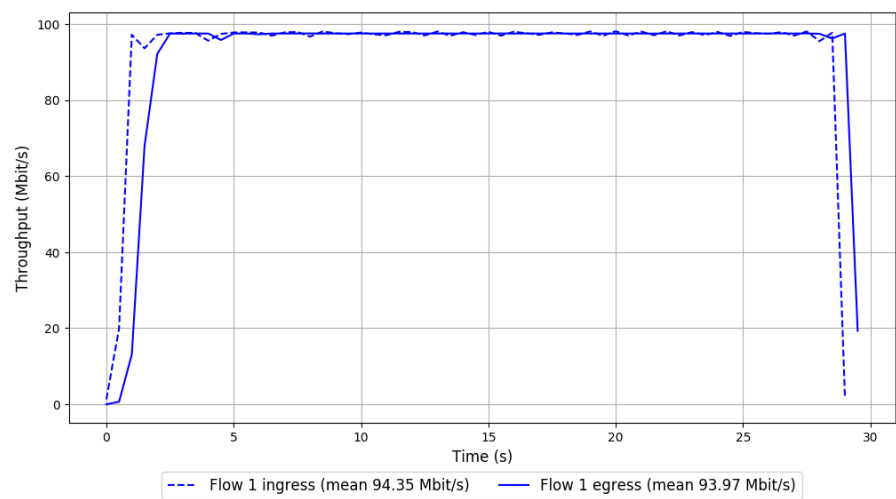
-- Flow 1:

Average throughput: 93.97 Mbit/s

95th percentile per-packet one-way delay: 94.972 ms

Loss rate: 0.38%

Run 1: Report of Indigo-MusesD — Data Link

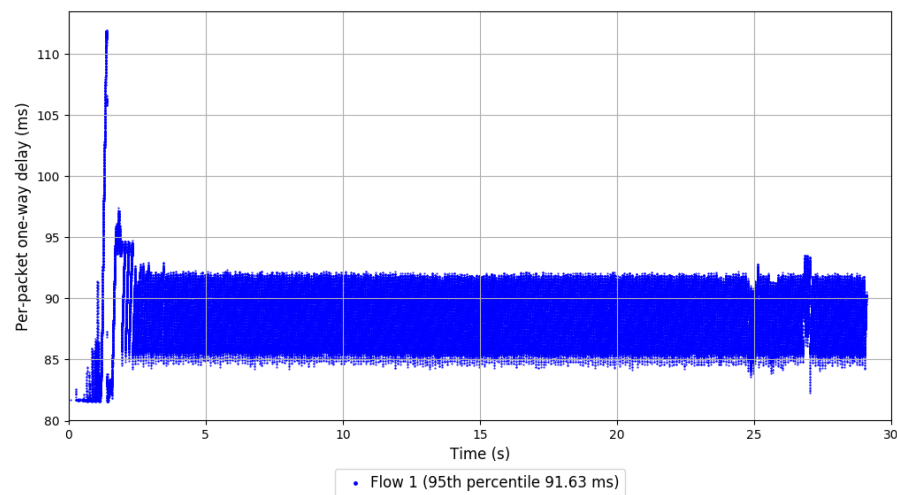
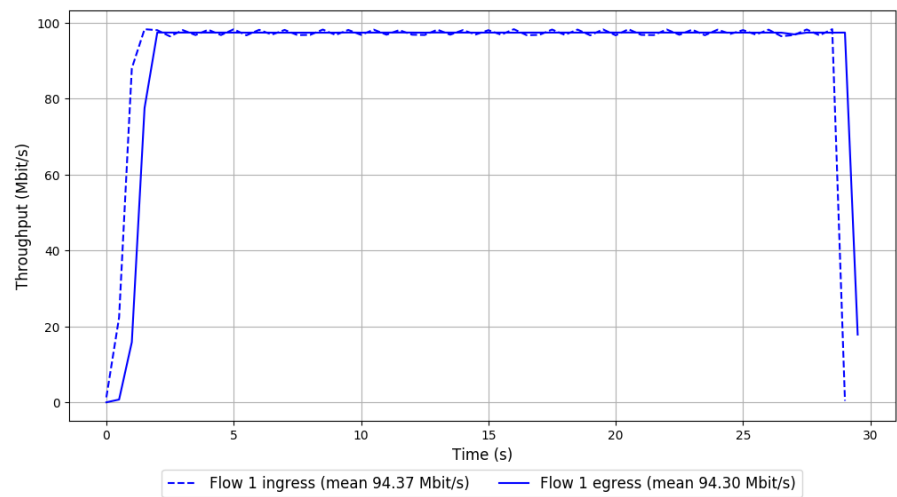


Run 2: Statistics of Indigo-MusesD

Start at: 2019-02-11 12:31:25
End at: 2019-02-11 12:31:55
Local clock offset: -19.927 ms
Remote clock offset: 2.556 ms

Below is generated by plot.py at 2019-02-11 14:09:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.30 Mbit/s
95th percentile per-packet one-way delay: 91.628 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 94.30 Mbit/s
95th percentile per-packet one-way delay: 91.628 ms
Loss rate: 0.04%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-02-11 12:56:13

End at: 2019-02-11 12:56:43

Local clock offset: -7.195 ms

Remote clock offset: 0.761 ms

Below is generated by plot.py at 2019-02-11 14:09:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.06 Mbit/s

95th percentile per-packet one-way delay: 86.708 ms

Loss rate: 0.01%

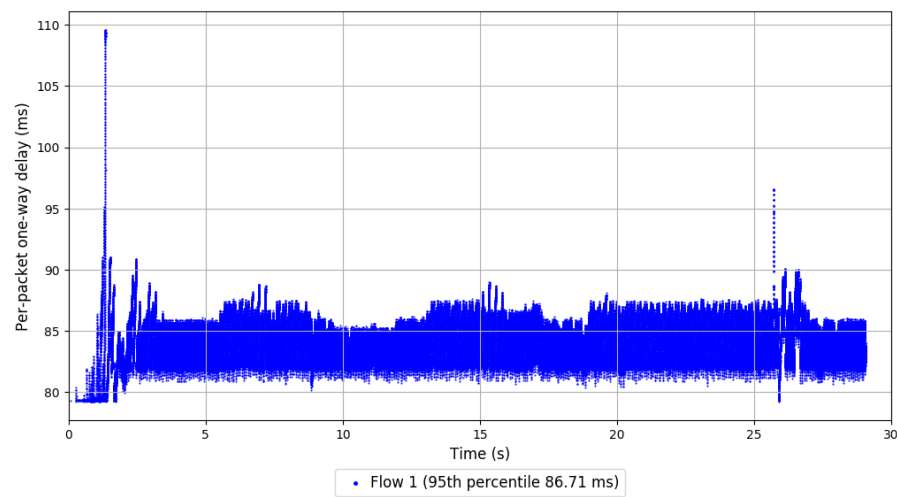
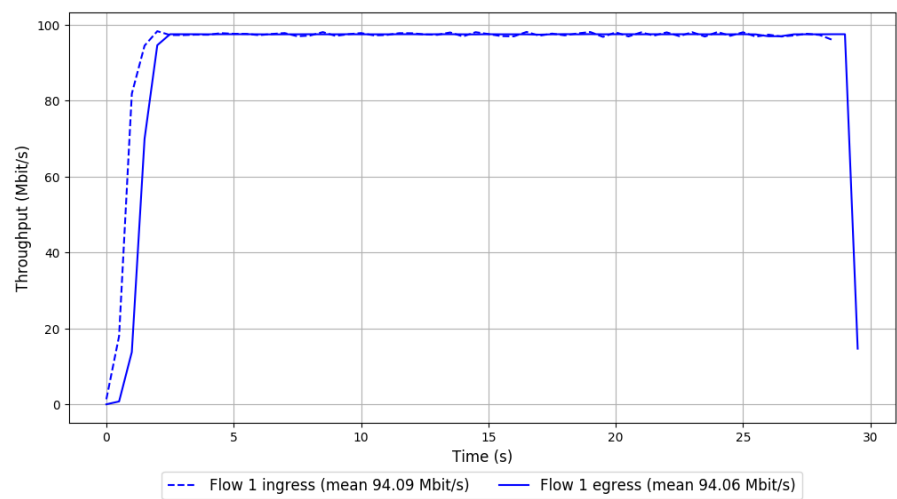
-- Flow 1:

Average throughput: 94.06 Mbit/s

95th percentile per-packet one-way delay: 86.708 ms

Loss rate: 0.01%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-02-11 13:21:13

End at: 2019-02-11 13:21:43

Local clock offset: -4.347 ms

Remote clock offset: 6.617 ms

Below is generated by plot.py at 2019-02-11 14:10:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.69 Mbit/s

95th percentile per-packet one-way delay: 96.883 ms

Loss rate: 0.11%

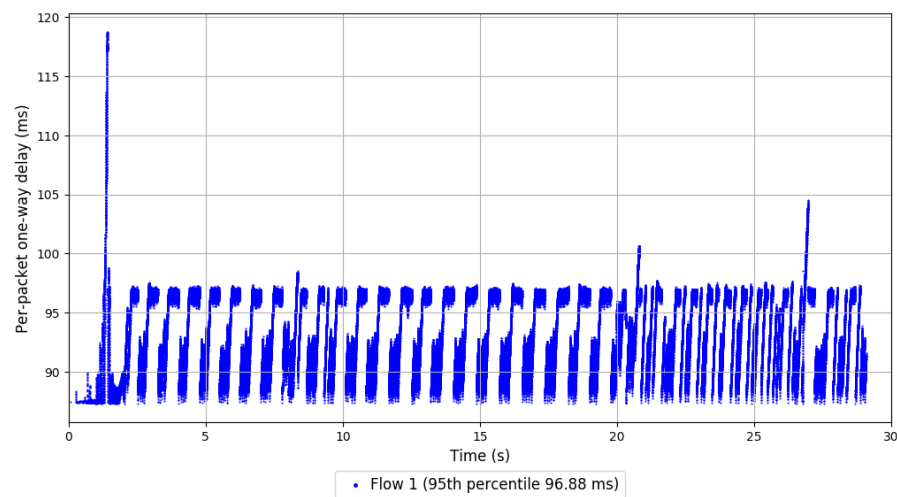
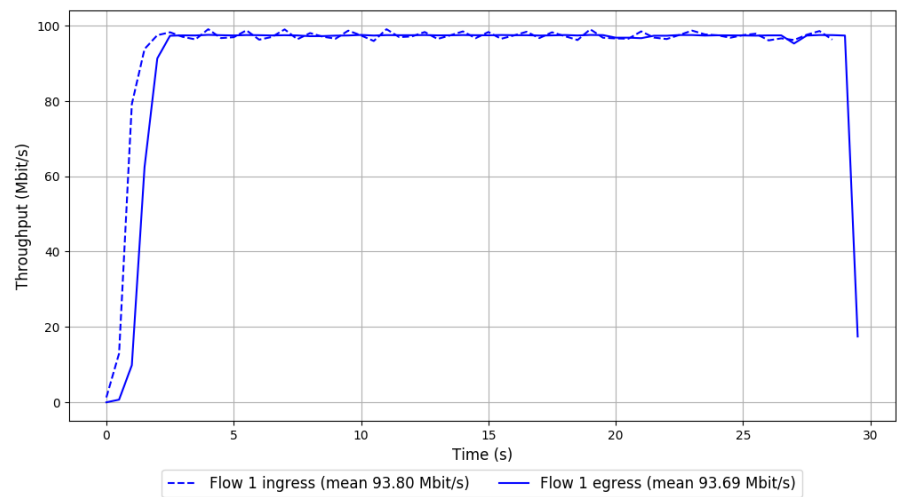
-- Flow 1:

Average throughput: 93.69 Mbit/s

95th percentile per-packet one-way delay: 96.883 ms

Loss rate: 0.11%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-02-11 13:46:00

End at: 2019-02-11 13:46:30

Local clock offset: -2.586 ms

Remote clock offset: 7.236 ms

Below is generated by plot.py at 2019-02-11 14:10:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.57 Mbit/s

95th percentile per-packet one-way delay: 95.074 ms

Loss rate: 0.00%

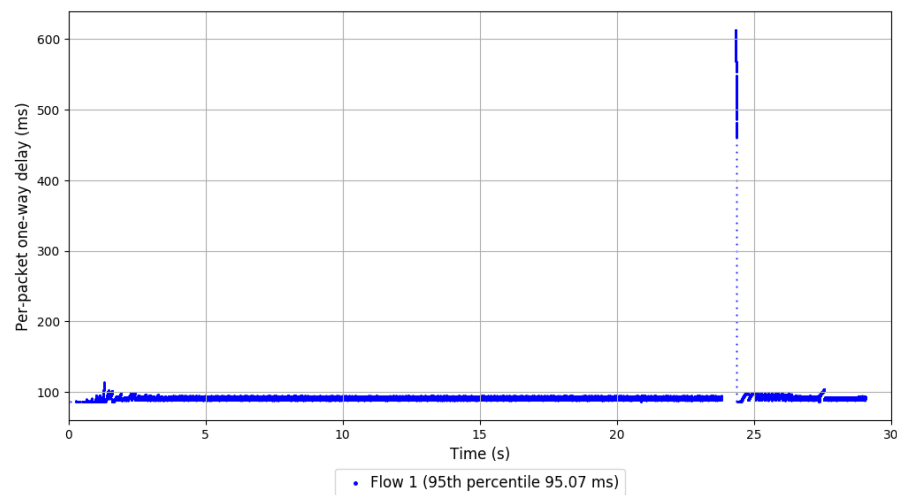
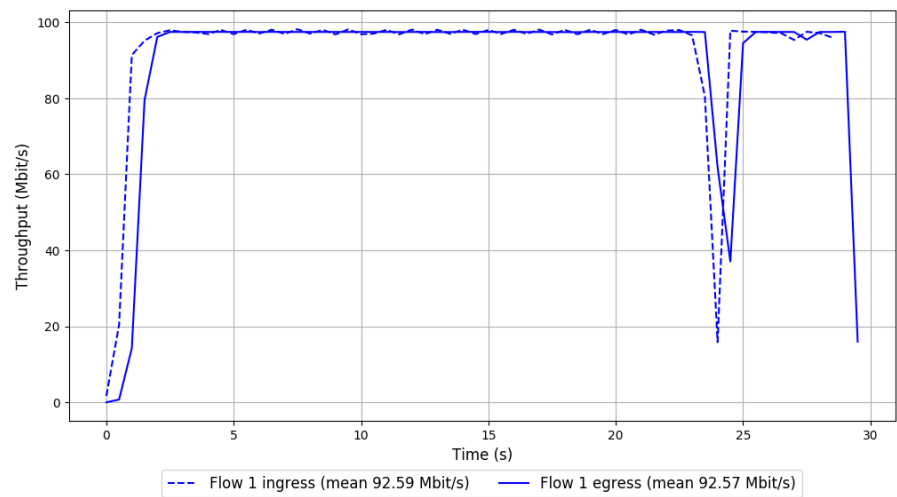
-- Flow 1:

Average throughput: 92.57 Mbit/s

95th percentile per-packet one-way delay: 95.074 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesD — Data Link

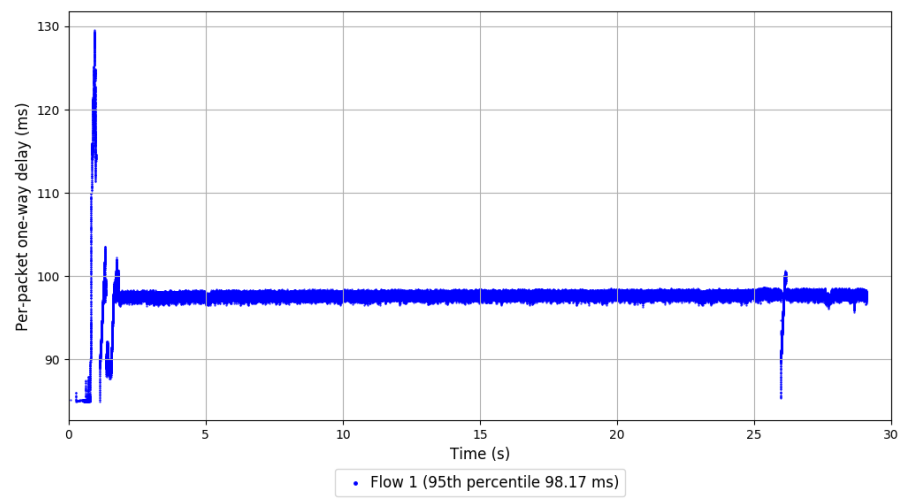
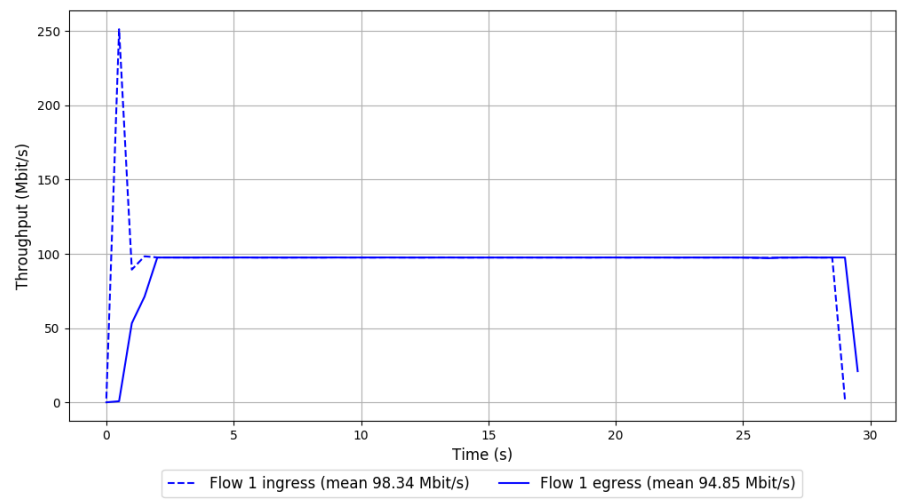


Run 1: Statistics of Indigo-MusesT

Start at: 2019-02-11 12:12:37
End at: 2019-02-11 12:13:07
Local clock offset: -18.363 ms
Remote clock offset: 6.822 ms

Below is generated by plot.py at 2019-02-11 14:10:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.85 Mbit/s
95th percentile per-packet one-way delay: 98.171 ms
Loss rate: 3.50%
-- Flow 1:
Average throughput: 94.85 Mbit/s
95th percentile per-packet one-way delay: 98.171 ms
Loss rate: 3.50%

Run 1: Report of Indigo-MusesT — Data Link

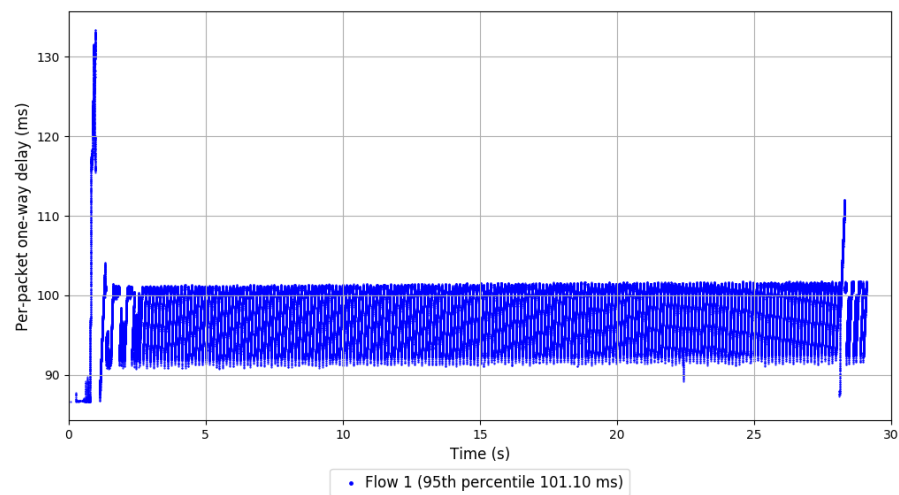
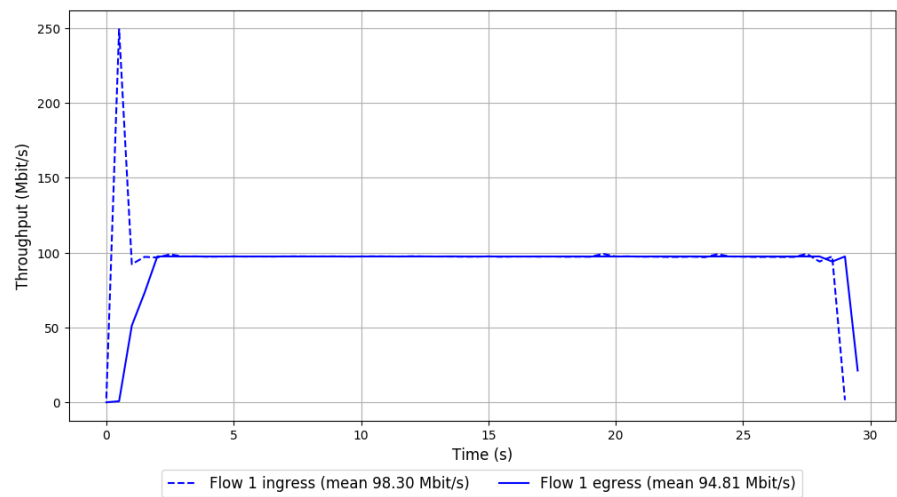


Run 2: Statistics of Indigo-MusesT

Start at: 2019-02-11 12:37:17
End at: 2019-02-11 12:37:47
Local clock offset: -16.901 ms
Remote clock offset: 7.474 ms

Below is generated by plot.py at 2019-02-11 14:10:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.81 Mbit/s
95th percentile per-packet one-way delay: 101.097 ms
Loss rate: 3.51%
-- Flow 1:
Average throughput: 94.81 Mbit/s
95th percentile per-packet one-way delay: 101.097 ms
Loss rate: 3.51%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

Start at: 2019-02-11 13:02:10

End at: 2019-02-11 13:02:40

Local clock offset: -7.42 ms

Remote clock offset: 5.379 ms

Below is generated by plot.py at 2019-02-11 14:10:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.42 Mbit/s

95th percentile per-packet one-way delay: 97.515 ms

Loss rate: 1.48%

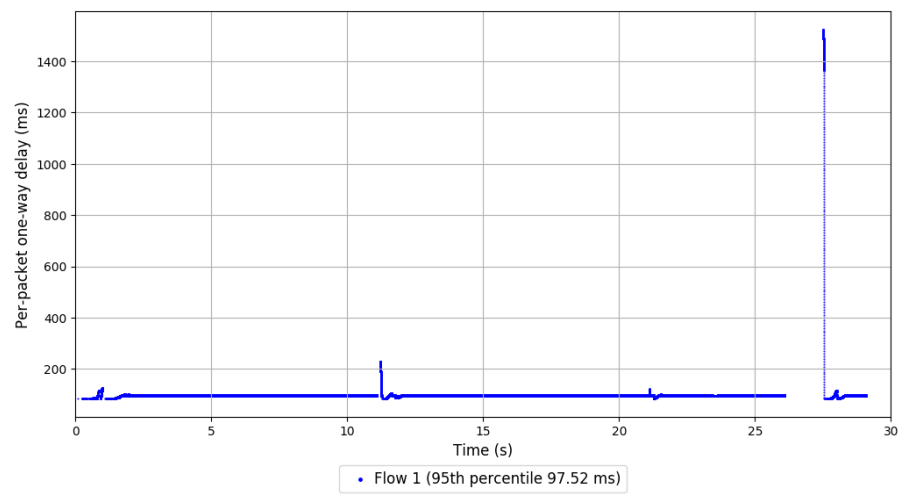
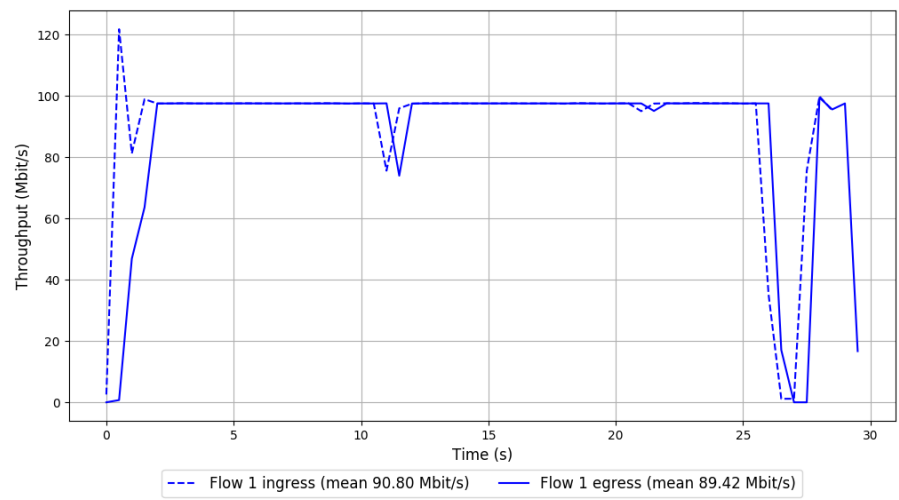
-- Flow 1:

Average throughput: 89.42 Mbit/s

95th percentile per-packet one-way delay: 97.515 ms

Loss rate: 1.48%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2019-02-11 13:27:05

End at: 2019-02-11 13:27:35

Local clock offset: -4.478 ms

Remote clock offset: 7.129 ms

Below is generated by plot.py at 2019-02-11 14:11:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.18 Mbit/s

95th percentile per-packet one-way delay: 99.693 ms

Loss rate: 0.51%

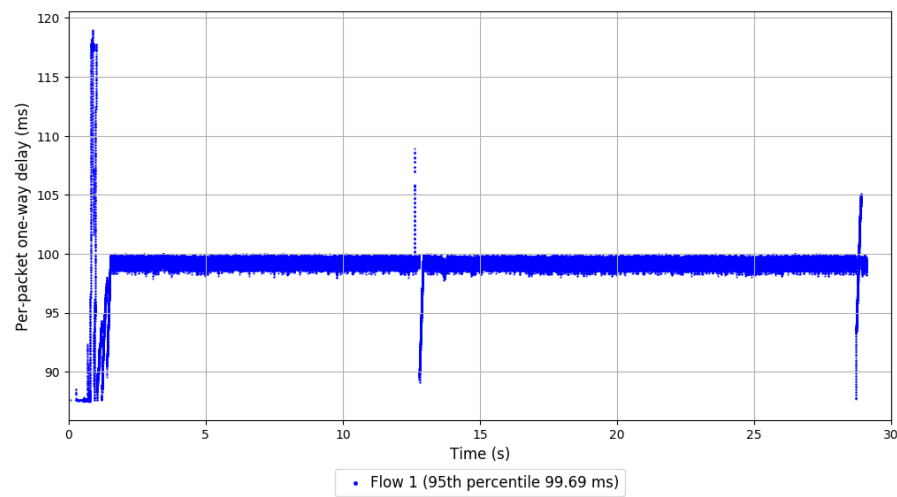
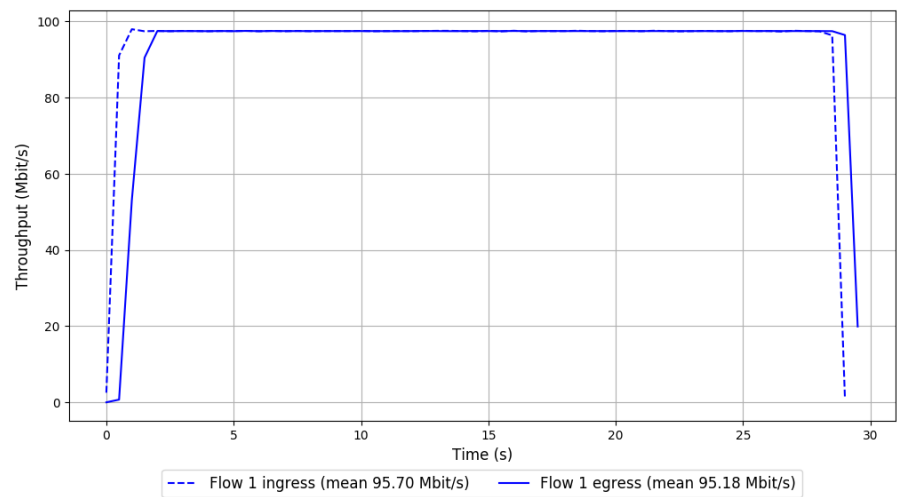
-- Flow 1:

Average throughput: 95.18 Mbit/s

95th percentile per-packet one-way delay: 99.693 ms

Loss rate: 0.51%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-02-11 13:51:52

End at: 2019-02-11 13:52:22

Local clock offset: -3.005 ms

Remote clock offset: 7.087 ms

Below is generated by plot.py at 2019-02-11 14:11:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.36 Mbit/s

95th percentile per-packet one-way delay: 99.692 ms

Loss rate: 3.15%

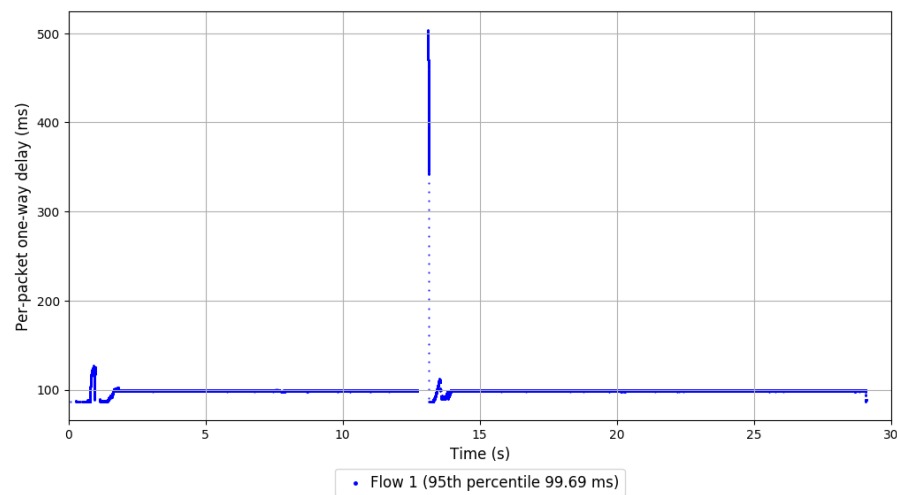
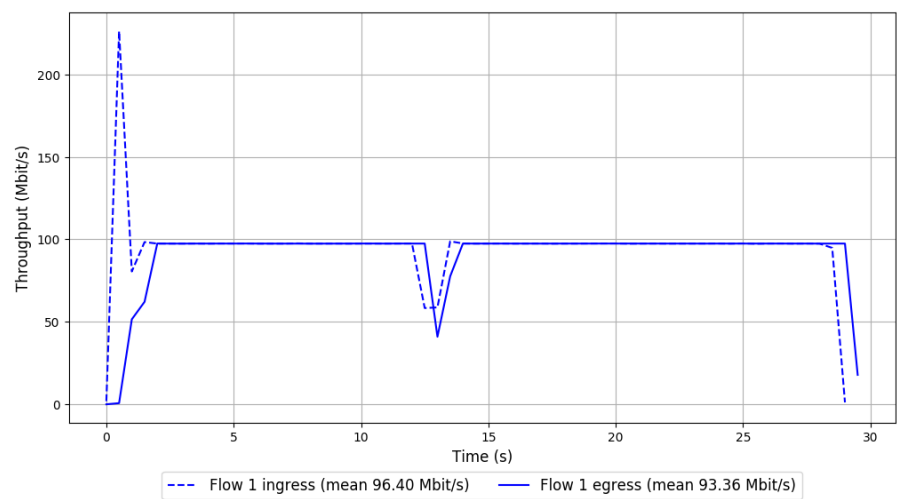
-- Flow 1:

Average throughput: 93.36 Mbit/s

95th percentile per-packet one-way delay: 99.692 ms

Loss rate: 3.15%

Run 5: Report of Indigo-MusesT — Data Link

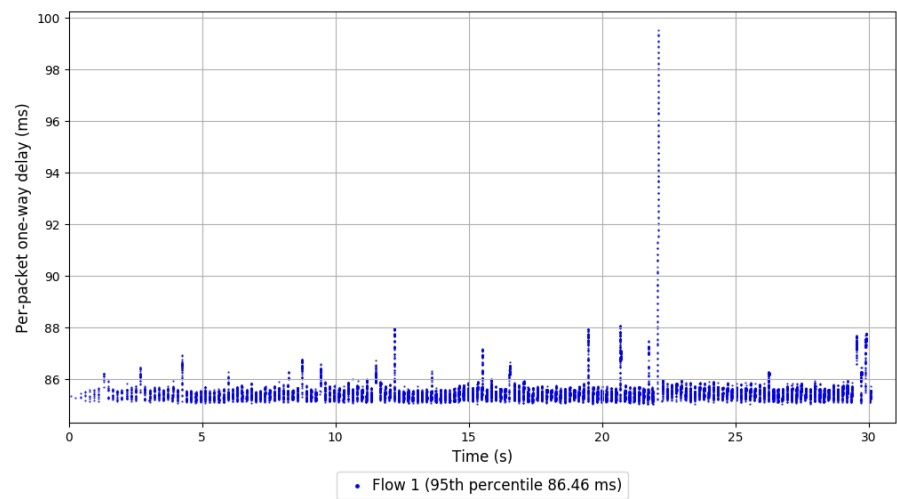
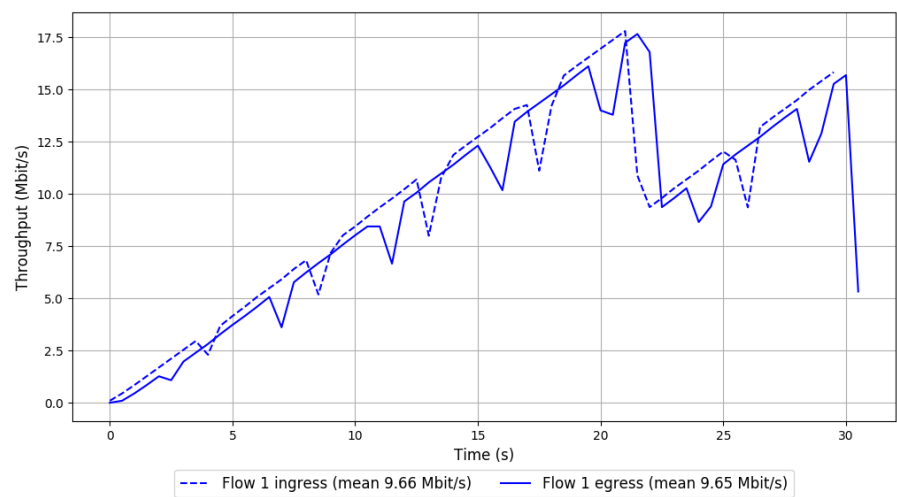


Run 1: Statistics of LEDBAT

Start at: 2019-02-11 12:19:41
End at: 2019-02-11 12:20:11
Local clock offset: -17.899 ms
Remote clock offset: 6.539 ms

Below is generated by plot.py at 2019-02-11 14:11:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.65 Mbit/s
95th percentile per-packet one-way delay: 86.460 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 9.65 Mbit/s
95th percentile per-packet one-way delay: 86.460 ms
Loss rate: 0.01%

Run 1: Report of LEDBAT — Data Link

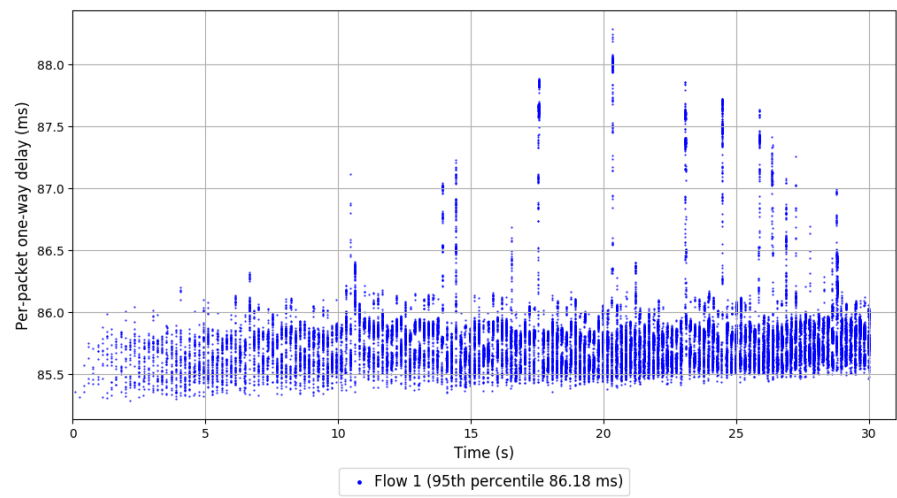
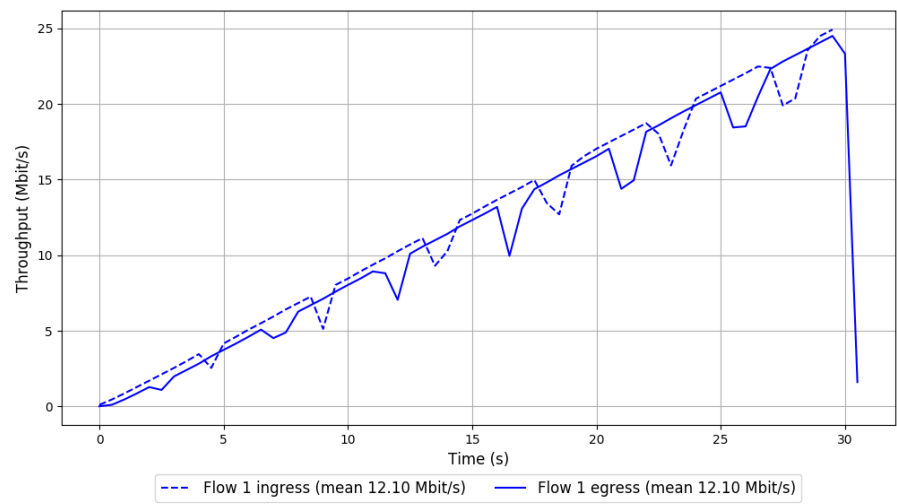


Run 2: Statistics of LEDBAT

Start at: 2019-02-11 12:44:21
End at: 2019-02-11 12:44:51
Local clock offset: -10.478 ms
Remote clock offset: 6.421 ms

Below is generated by plot.py at 2019-02-11 14:11:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.10 Mbit/s
95th percentile per-packet one-way delay: 86.181 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.10 Mbit/s
95th percentile per-packet one-way delay: 86.181 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2019-02-11 13:09:16

End at: 2019-02-11 13:09:46

Local clock offset: -6.424 ms

Remote clock offset: 5.747 ms

Below is generated by plot.py at 2019-02-11 14:11:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.85 Mbit/s

95th percentile per-packet one-way delay: 88.489 ms

Loss rate: 0.05%

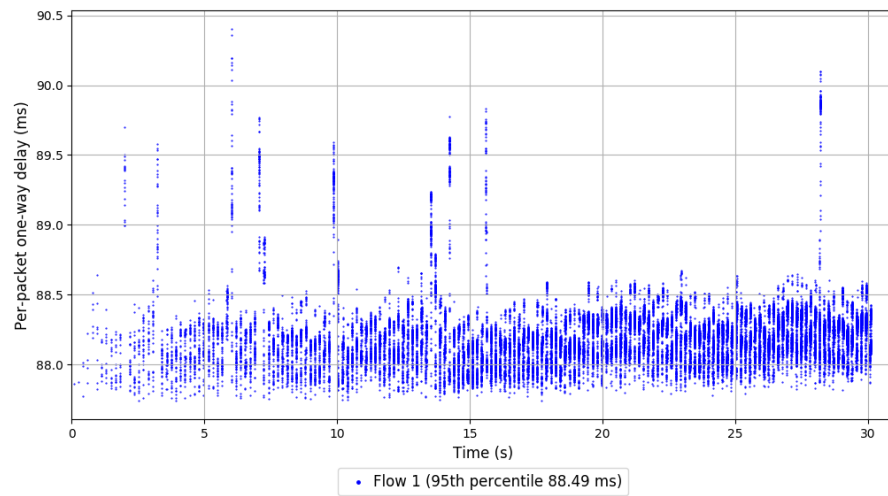
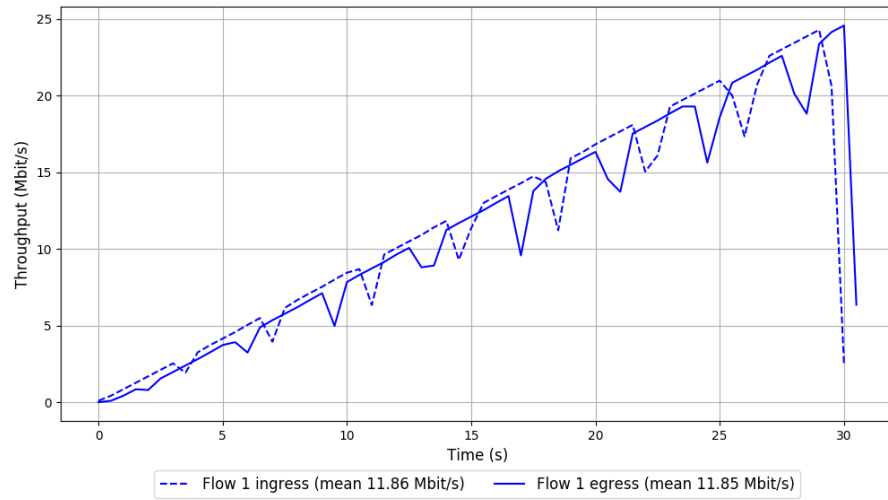
-- Flow 1:

Average throughput: 11.85 Mbit/s

95th percentile per-packet one-way delay: 88.489 ms

Loss rate: 0.05%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2019-02-11 13:34:12

End at: 2019-02-11 13:34:42

Local clock offset: -5.746 ms

Remote clock offset: 6.945 ms

Below is generated by plot.py at 2019-02-11 14:11:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.79 Mbit/s

95th percentile per-packet one-way delay: 89.690 ms

Loss rate: 0.00%

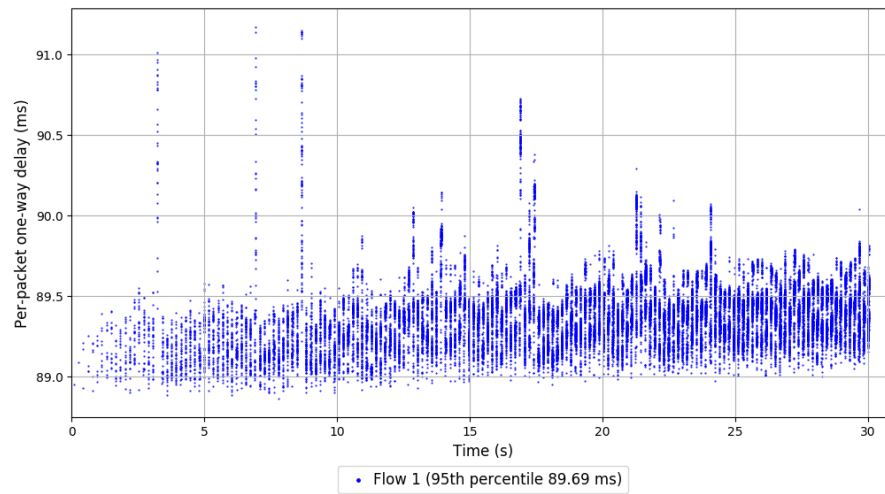
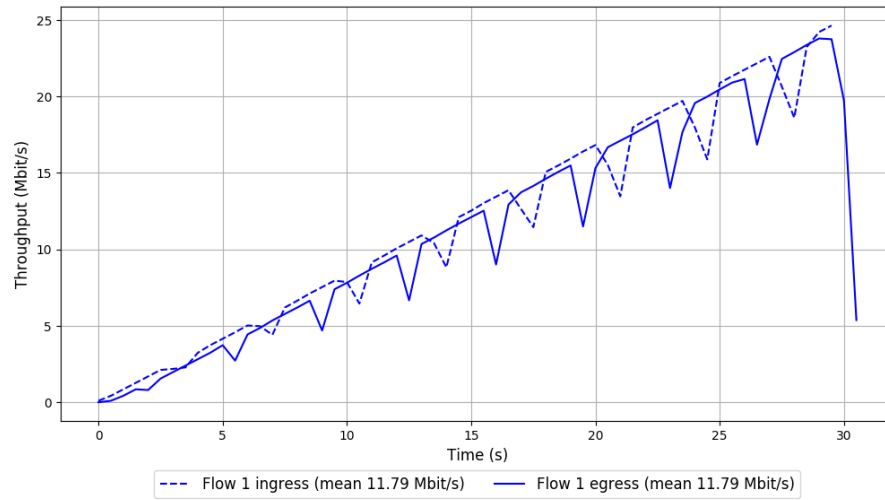
-- Flow 1:

Average throughput: 11.79 Mbit/s

95th percentile per-packet one-way delay: 89.690 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2019-02-11 13:58:56

End at: 2019-02-11 13:59:26

Local clock offset: -2.227 ms

Remote clock offset: 4.931 ms

Below is generated by plot.py at 2019-02-11 14:11:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.06 Mbit/s

95th percentile per-packet one-way delay: 84.044 ms

Loss rate: 0.00%

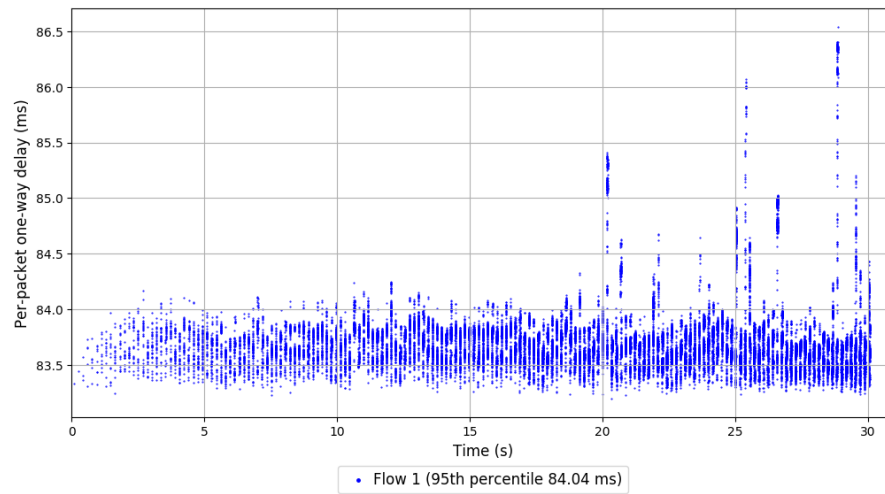
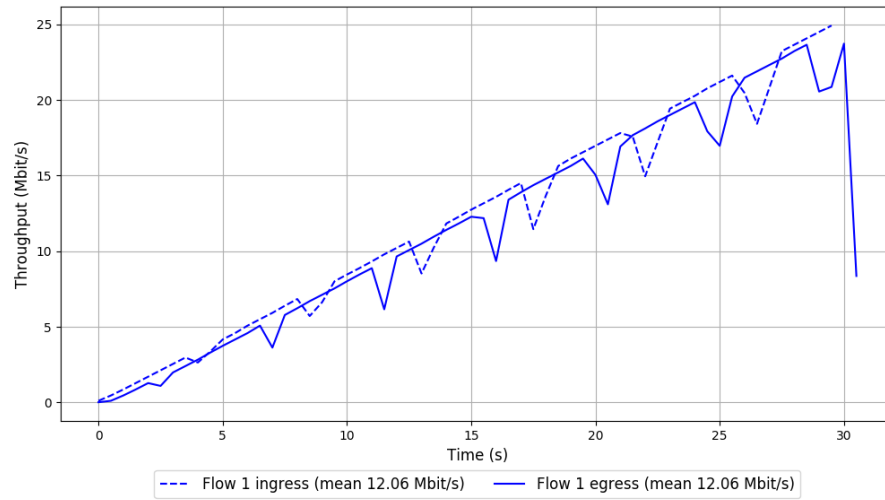
-- Flow 1:

Average throughput: 12.06 Mbit/s

95th percentile per-packet one-way delay: 84.044 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

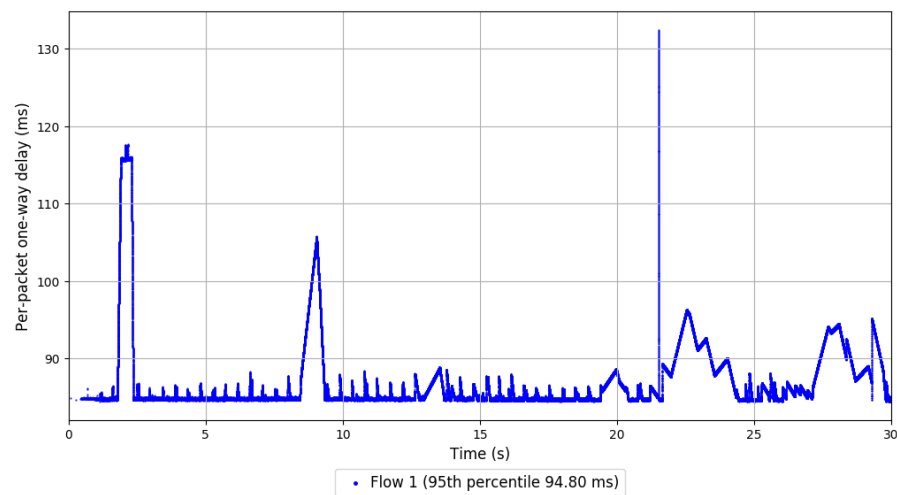
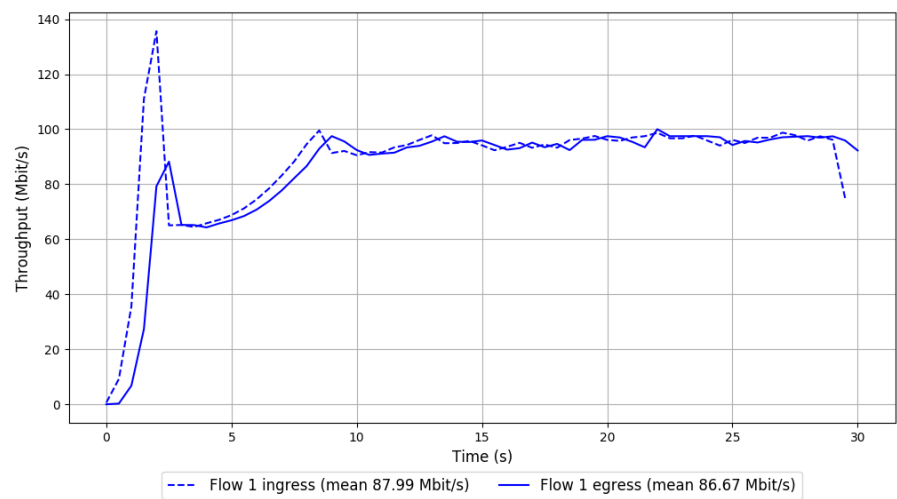


```
Run 1: Statistics of PCC-Allegro

Start at: 2019-02-11 12:00:55
End at: 2019-02-11 12:01:25
Local clock offset: -25.179 ms
Remote clock offset: 5.598 ms

# Below is generated by plot.py at 2019-02-11 14:11:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.67 Mbit/s
95th percentile per-packet one-way delay: 94.798 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 86.67 Mbit/s
95th percentile per-packet one-way delay: 94.798 ms
Loss rate: 1.51%
```

Run 1: Report of PCC-Allegro — Data Link

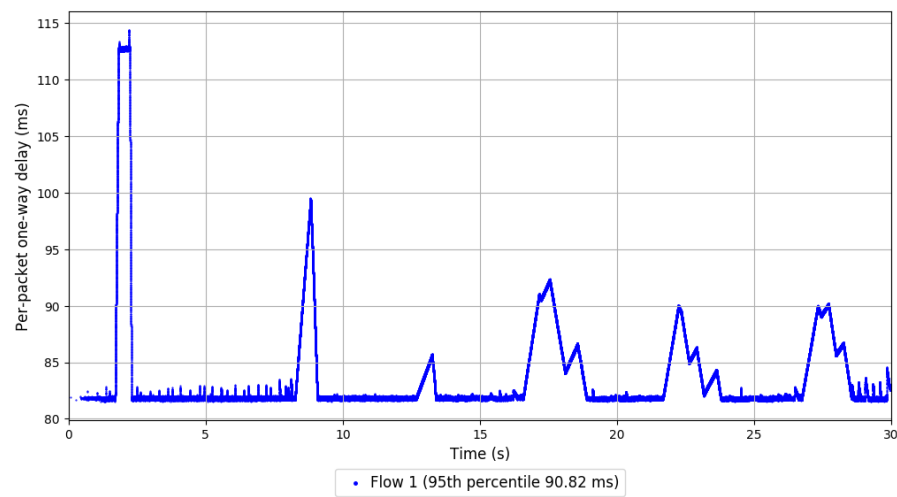
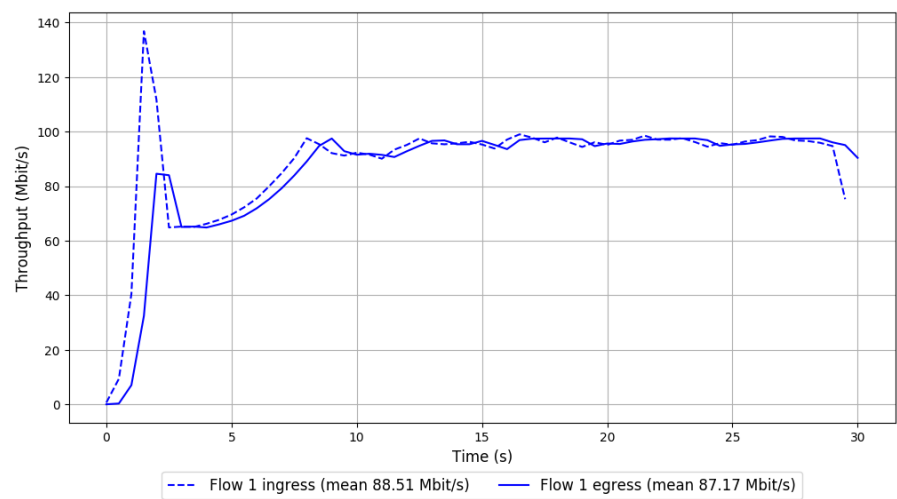


Run 2: Statistics of PCC-Allegro

Start at: 2019-02-11 12:25:33
End at: 2019-02-11 12:26:03
Local clock offset: -18.124 ms
Remote clock offset: 2.531 ms

Below is generated by plot.py at 2019-02-11 14:11:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.17 Mbit/s
95th percentile per-packet one-way delay: 90.817 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 87.17 Mbit/s
95th percentile per-packet one-way delay: 90.817 ms
Loss rate: 1.51%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-02-11 12:50:16

End at: 2019-02-11 12:50:47

Local clock offset: -8.33 ms

Remote clock offset: 6.006 ms

Below is generated by plot.py at 2019-02-11 14:11:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.91 Mbit/s

95th percentile per-packet one-way delay: 102.463 ms

Loss rate: 1.50%

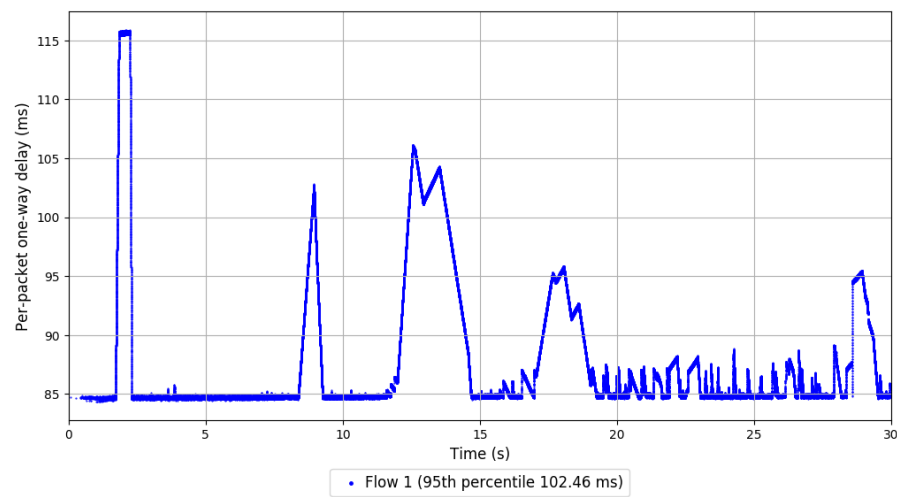
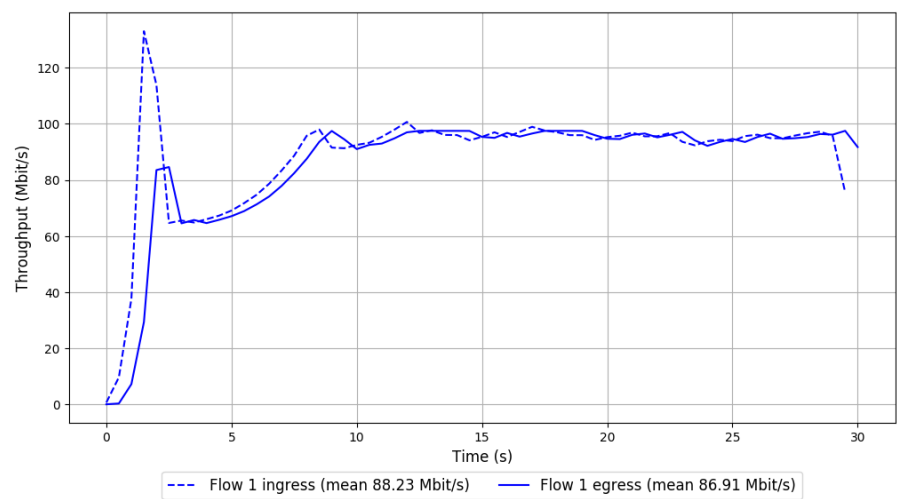
-- Flow 1:

Average throughput: 86.91 Mbit/s

95th percentile per-packet one-way delay: 102.463 ms

Loss rate: 1.50%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-02-11 13:15:19

End at: 2019-02-11 13:15:49

Local clock offset: -4.591 ms

Remote clock offset: 5.286 ms

Below is generated by plot.py at 2019-02-11 14:11:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.31 Mbit/s

95th percentile per-packet one-way delay: 104.089 ms

Loss rate: 1.51%

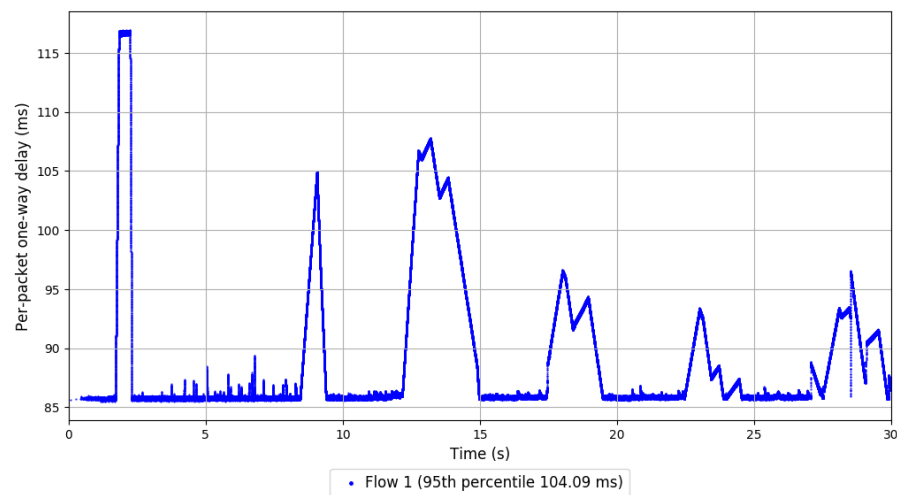
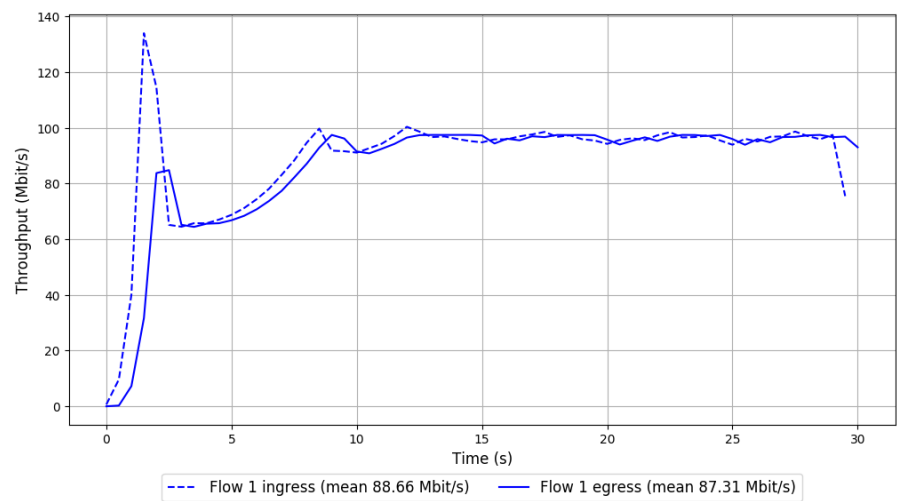
-- Flow 1:

Average throughput: 87.31 Mbit/s

95th percentile per-packet one-way delay: 104.089 ms

Loss rate: 1.51%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-02-11 13:40:06

End at: 2019-02-11 13:40:36

Local clock offset: -4.094 ms

Remote clock offset: 7.14 ms

Below is generated by plot.py at 2019-02-11 14:11:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.40 Mbit/s

95th percentile per-packet one-way delay: 97.972 ms

Loss rate: 1.53%

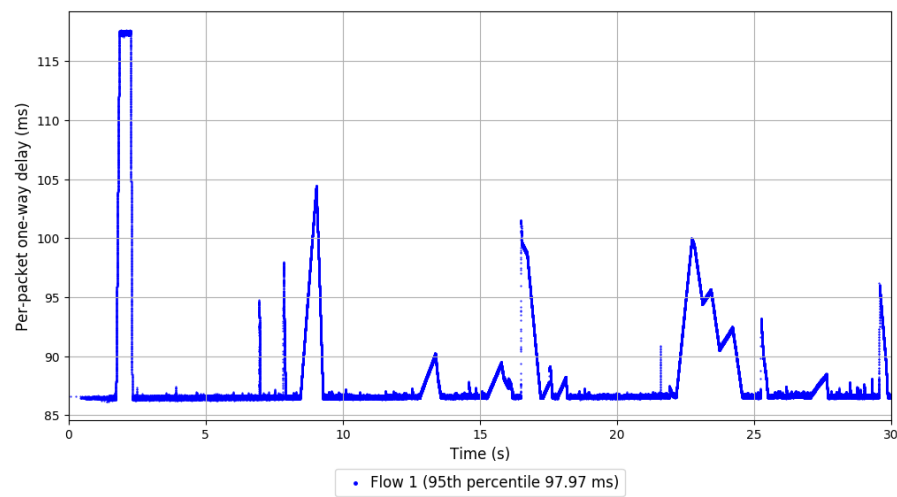
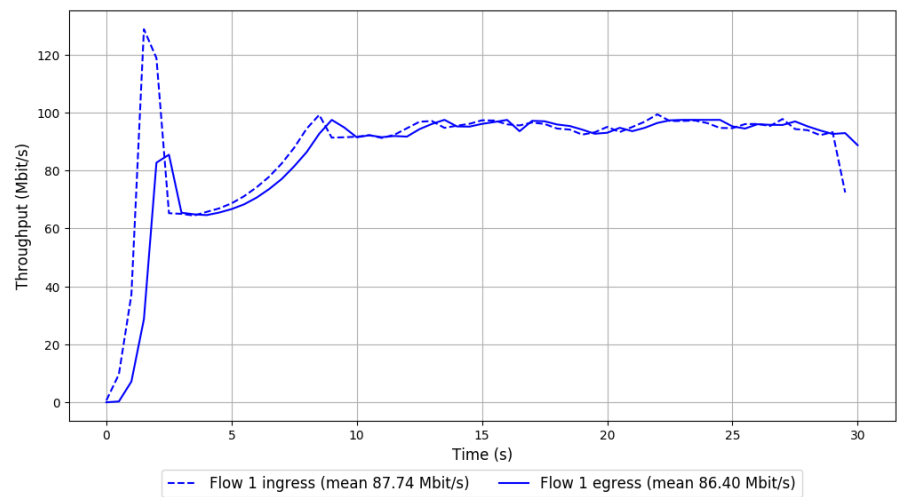
-- Flow 1:

Average throughput: 86.40 Mbit/s

95th percentile per-packet one-way delay: 97.972 ms

Loss rate: 1.53%

Run 5: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

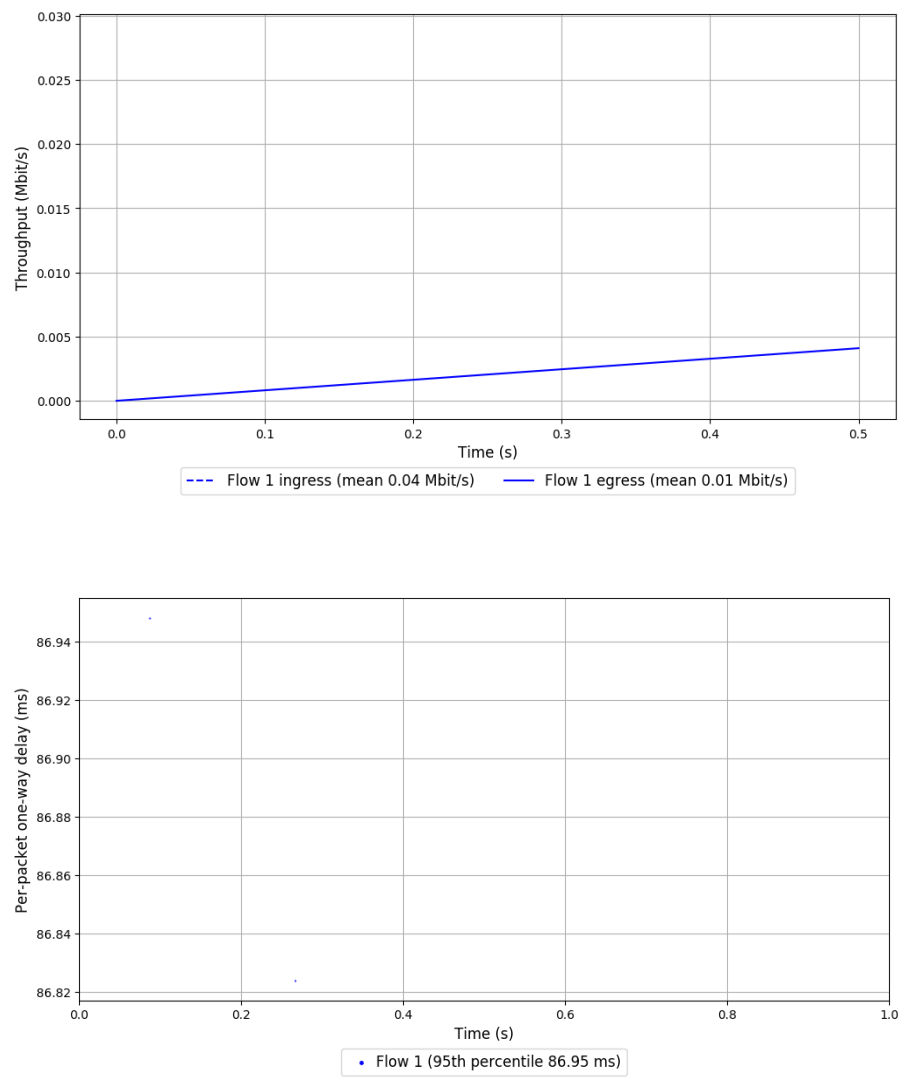
Start at: 2019-02-11 12:10:20

End at: 2019-02-11 12:10:51

Local clock offset: -20.477 ms

Remote clock offset: 6.848 ms

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

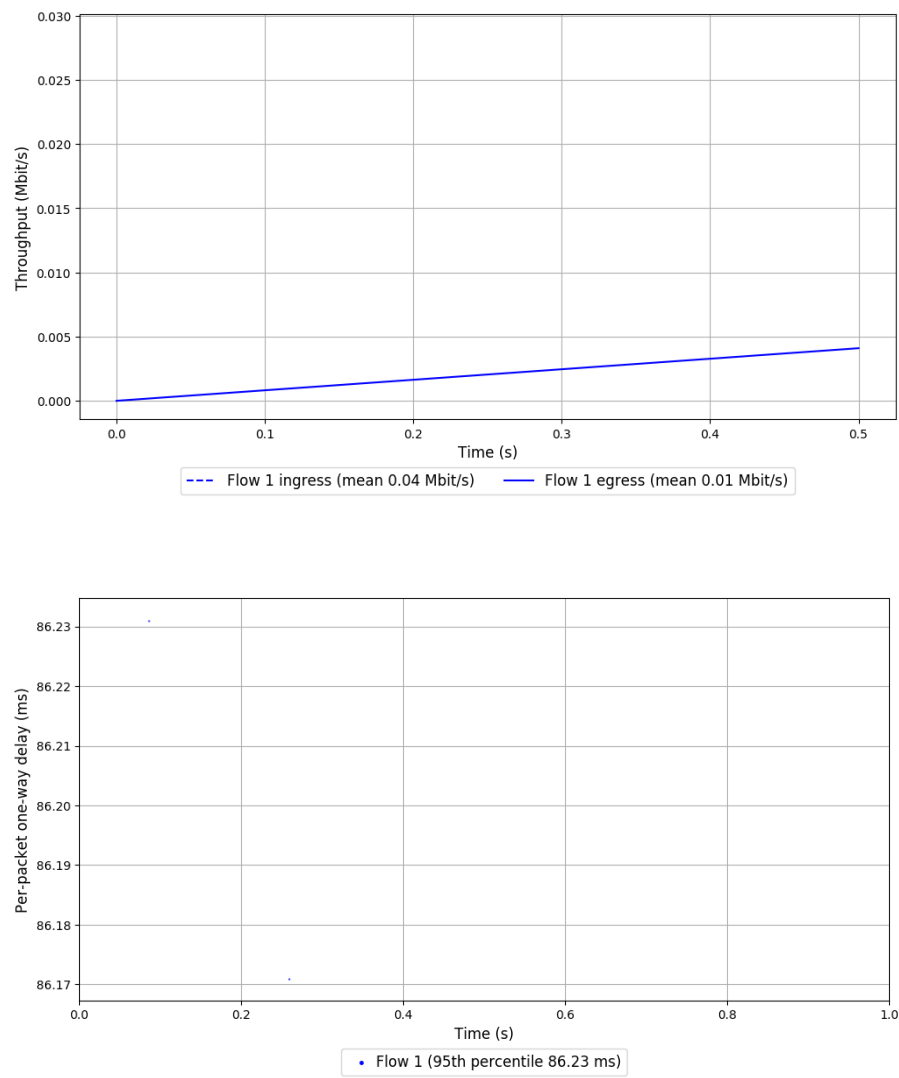
Start at: 2019-02-11 12:35:00

End at: 2019-02-11 12:35:30

Local clock offset: -20.646 ms

Remote clock offset: 6.419 ms

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

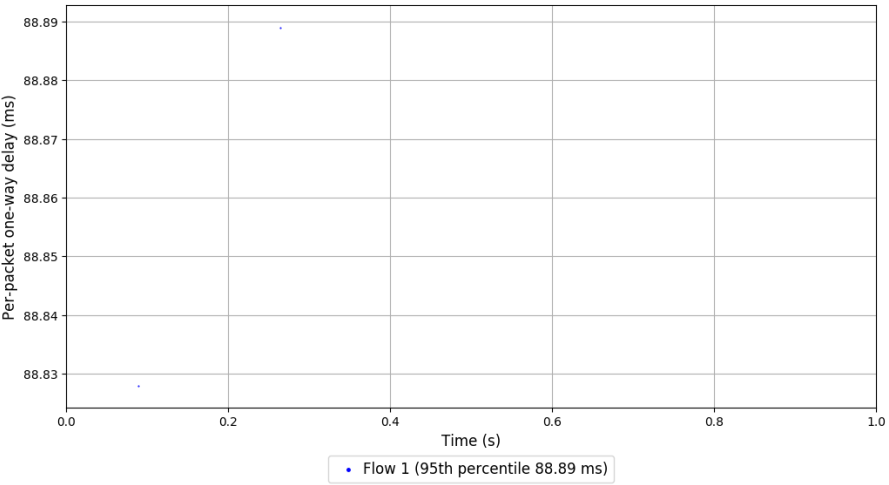
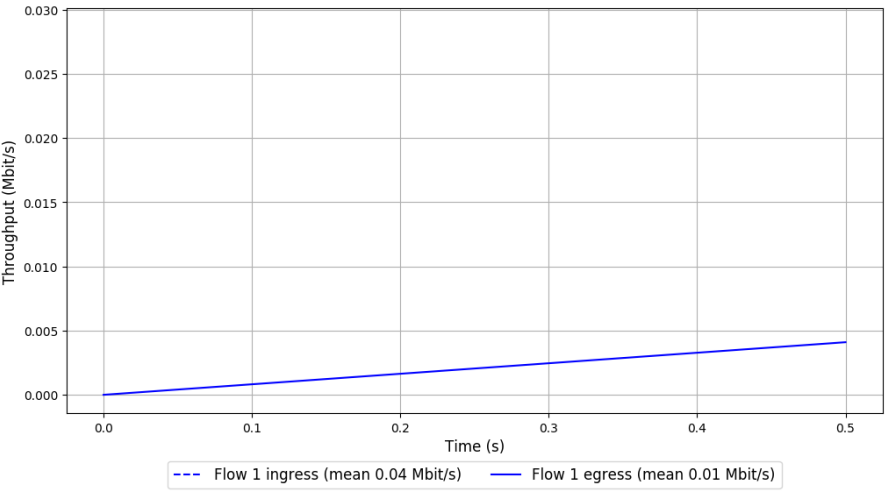
Start at: 2019-02-11 12:59:53

End at: 2019-02-11 13:00:23

Local clock offset: -8.023 ms

Remote clock offset: 6.792 ms

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

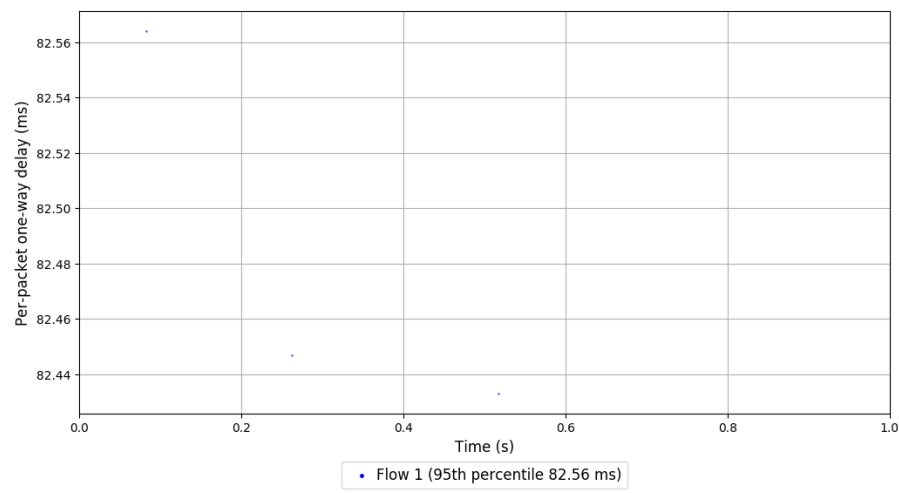
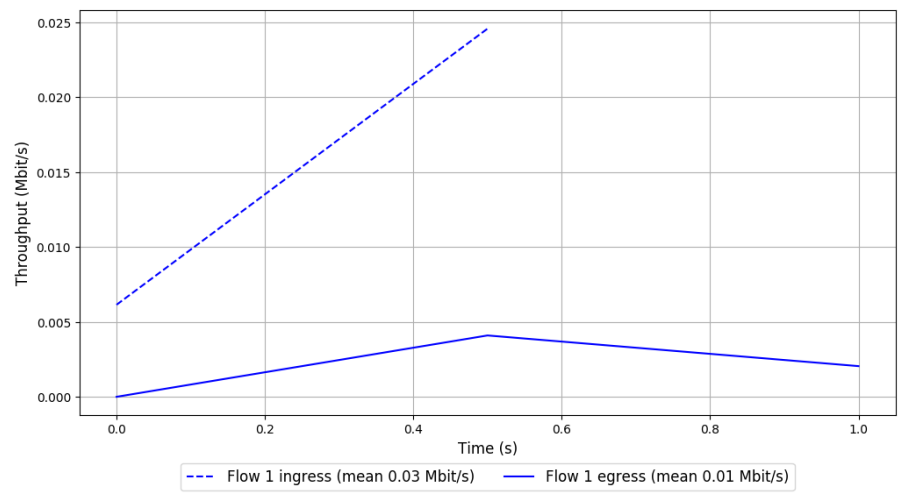
Start at: 2019-02-11 13:24:49

End at: 2019-02-11 13:25:19

Local clock offset: -5.157 ms

Remote clock offset: 1.706 ms

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

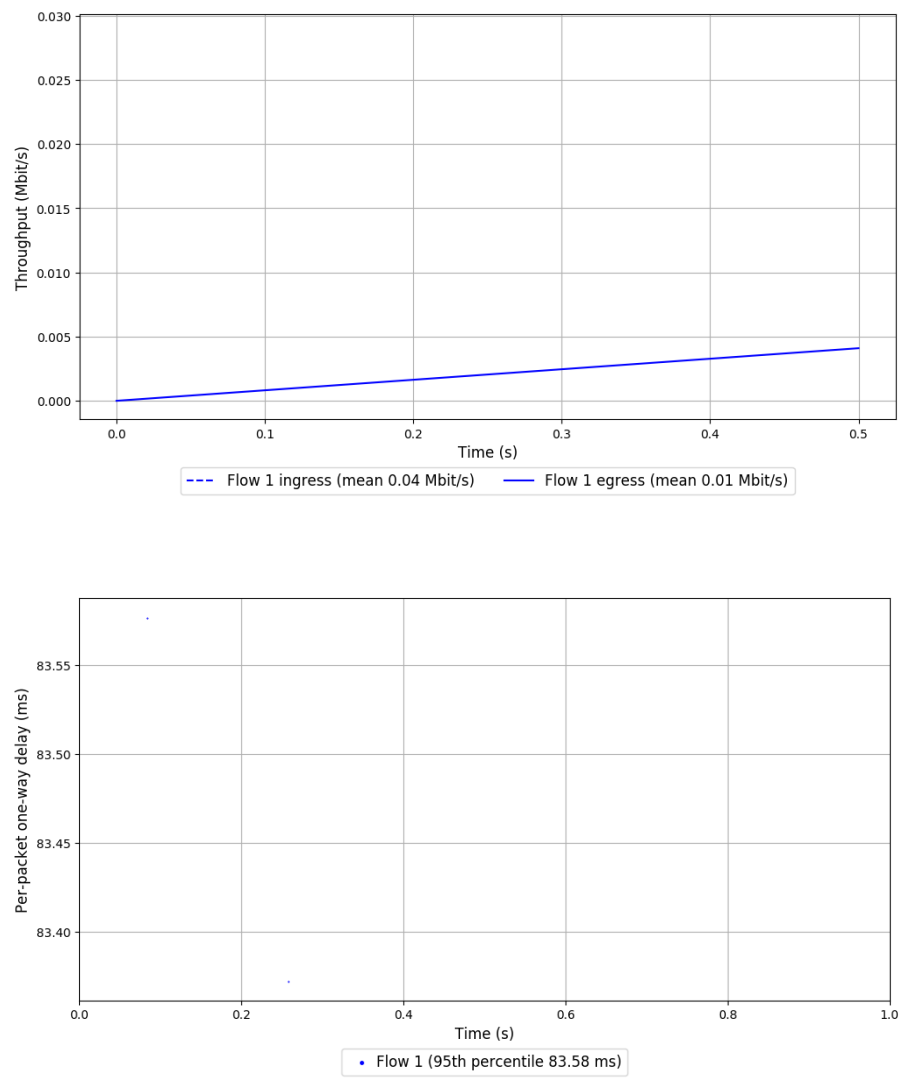
Start at: 2019-02-11 13:49:36

End at: 2019-02-11 13:50:06

Local clock offset: -3.083 ms

Remote clock offset: 2.057 ms

Run 5: Report of PCC-Expr — Data Link

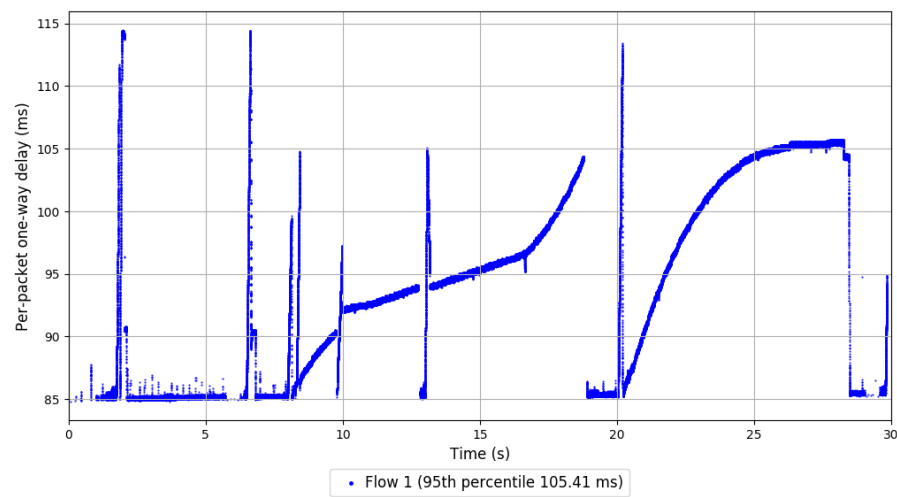
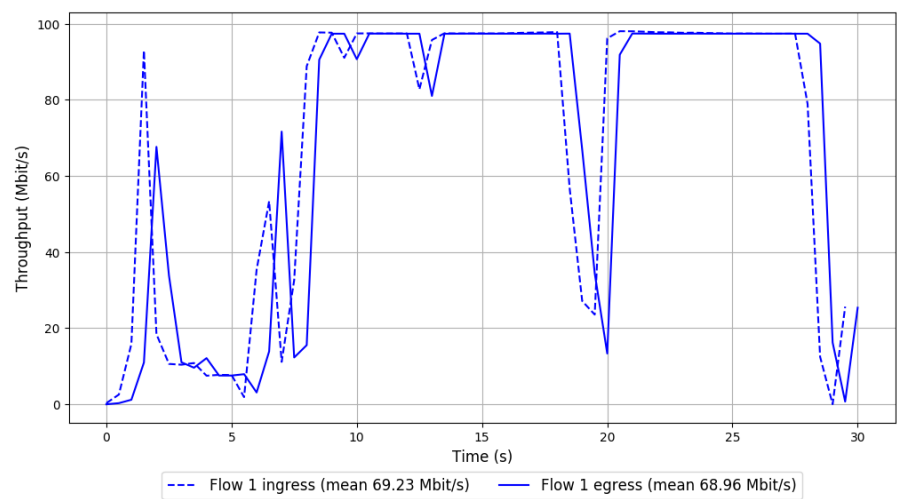


Run 1: Statistics of QUIC Cubic

Start at: 2019-02-11 12:09:09
End at: 2019-02-11 12:09:39
Local clock offset: -20.642 ms
Remote clock offset: 5.728 ms

Below is generated by plot.py at 2019-02-11 14:11:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.96 Mbit/s
95th percentile per-packet one-way delay: 105.414 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 68.96 Mbit/s
95th percentile per-packet one-way delay: 105.414 ms
Loss rate: 0.36%

Run 1: Report of QUIC Cubic — Data Link

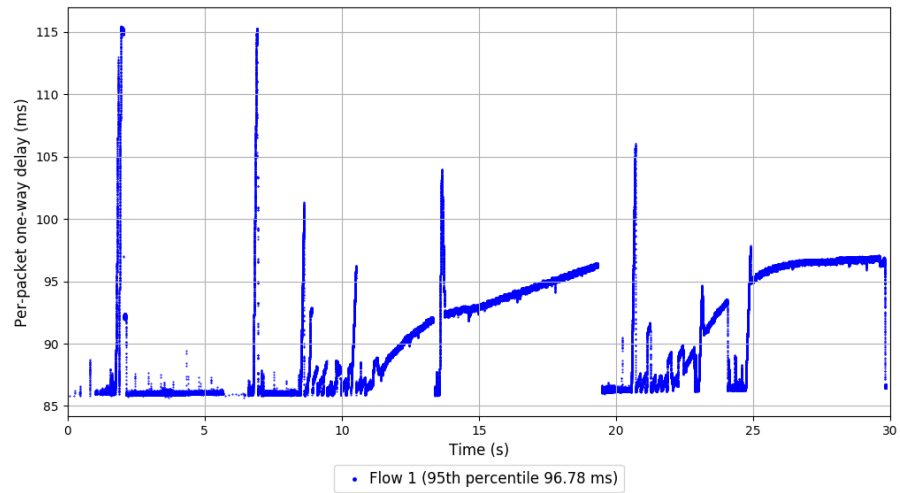
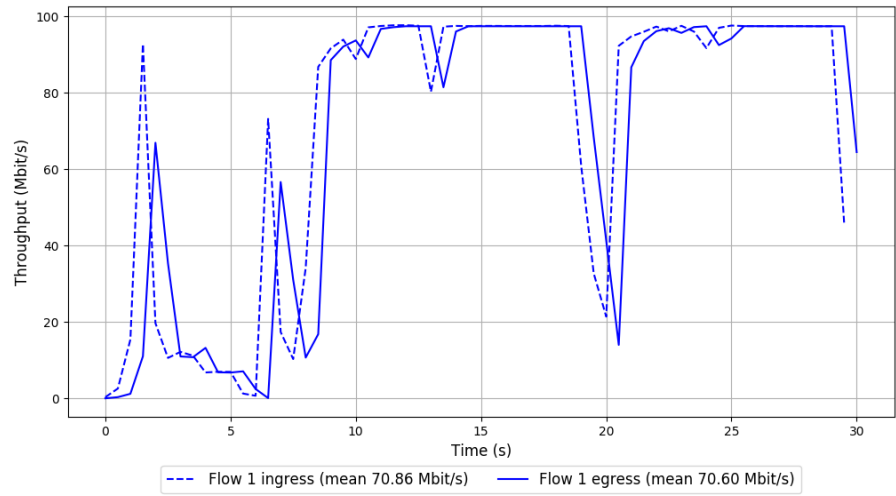


Run 2: Statistics of QUIC Cubic

Start at: 2019-02-11 12:33:49
End at: 2019-02-11 12:34:19
Local clock offset: -20.818 ms
Remote clock offset: 6.384 ms

Below is generated by plot.py at 2019-02-11 14:12:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.60 Mbit/s
95th percentile per-packet one-way delay: 96.780 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 70.60 Mbit/s
95th percentile per-packet one-way delay: 96.780 ms
Loss rate: 0.36%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-02-11 12:58:41

End at: 2019-02-11 12:59:11

Local clock offset: -7.933 ms

Remote clock offset: 6.841 ms

Below is generated by plot.py at 2019-02-11 14:12:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.91 Mbit/s

95th percentile per-packet one-way delay: 91.640 ms

Loss rate: 0.37%

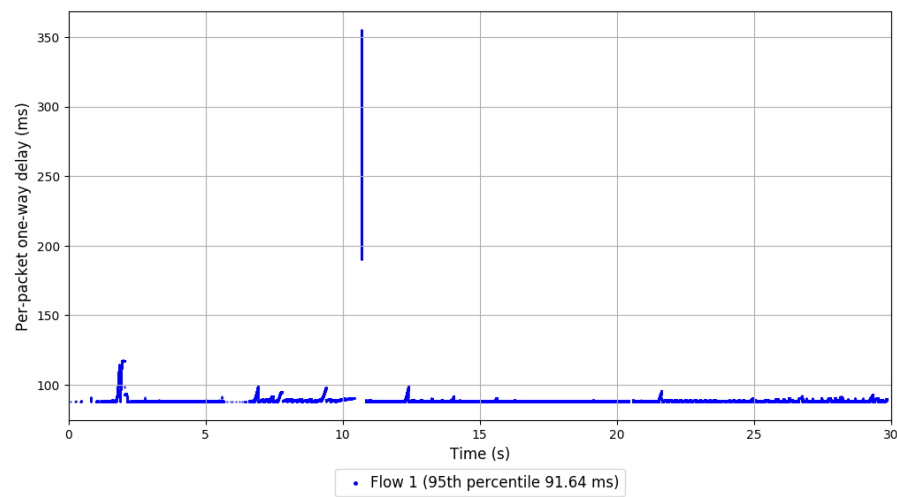
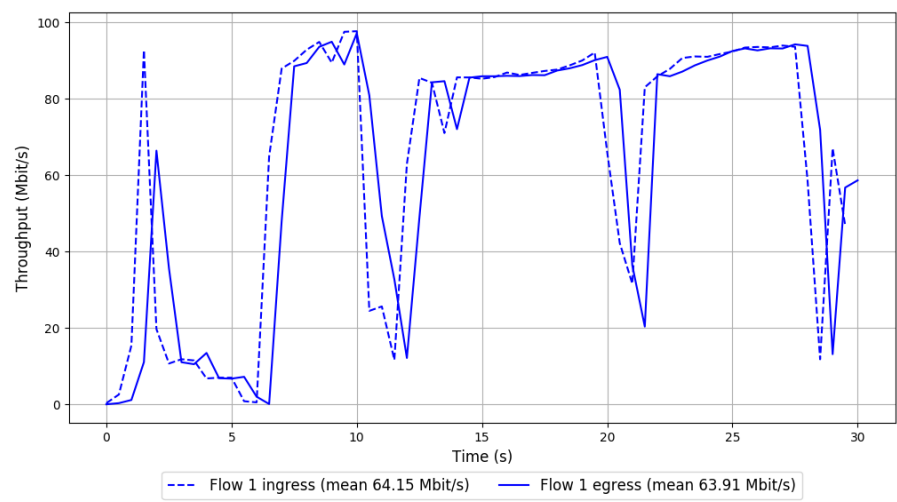
-- Flow 1:

Average throughput: 63.91 Mbit/s

95th percentile per-packet one-way delay: 91.640 ms

Loss rate: 0.37%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-02-11 13:23:38

End at: 2019-02-11 13:24:08

Local clock offset: -5.121 ms

Remote clock offset: 6.621 ms

Below is generated by plot.py at 2019-02-11 14:12:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.42 Mbit/s

95th percentile per-packet one-way delay: 98.706 ms

Loss rate: 0.45%

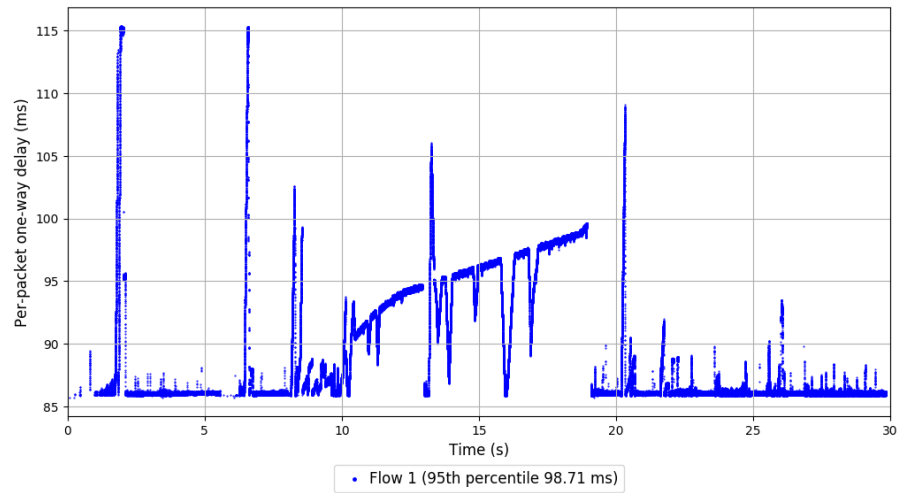
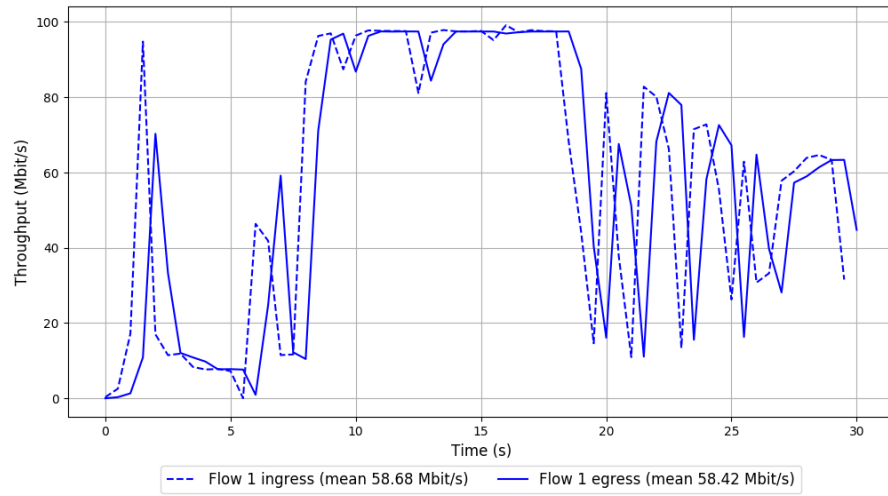
-- Flow 1:

Average throughput: 58.42 Mbit/s

95th percentile per-packet one-way delay: 98.706 ms

Loss rate: 0.45%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-02-11 13:48:24

End at: 2019-02-11 13:48:54

Local clock offset: -2.381 ms

Remote clock offset: 4.864 ms

Below is generated by plot.py at 2019-02-11 14:12:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.13 Mbit/s

95th percentile per-packet one-way delay: 93.955 ms

Loss rate: 0.40%

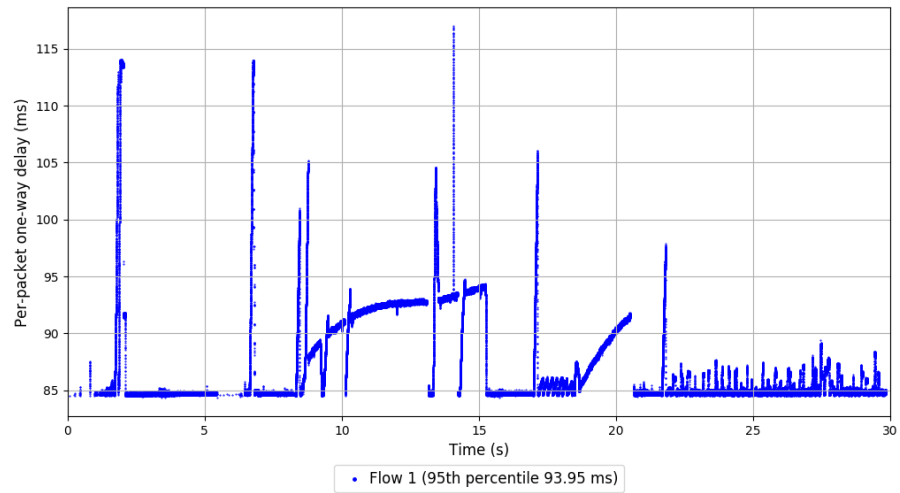
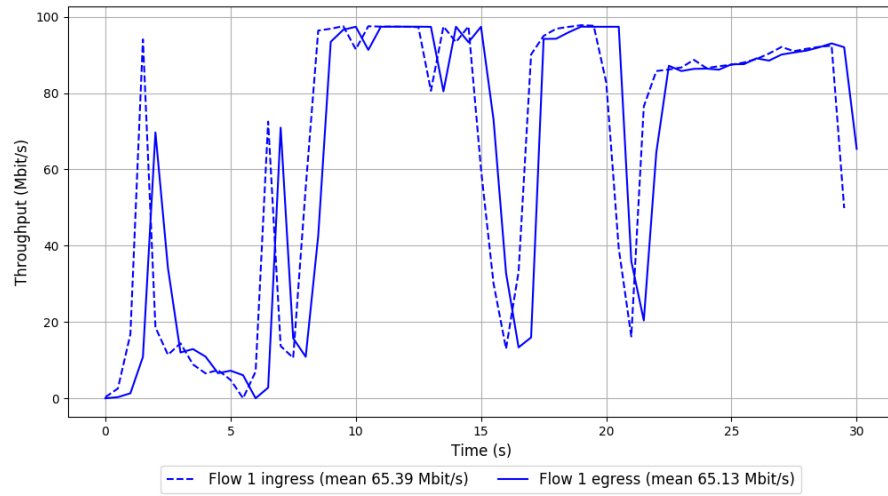
-- Flow 1:

Average throughput: 65.13 Mbit/s

95th percentile per-packet one-way delay: 93.955 ms

Loss rate: 0.40%

Run 5: Report of QUIC Cubic — Data Link

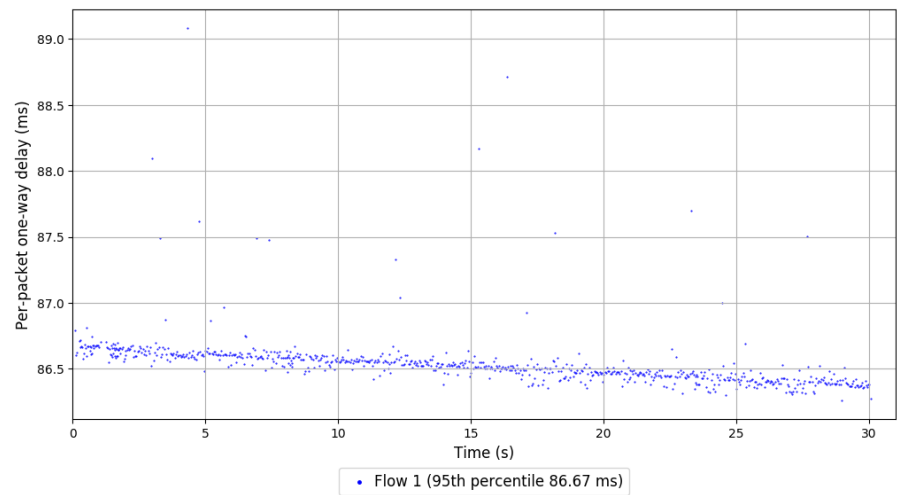
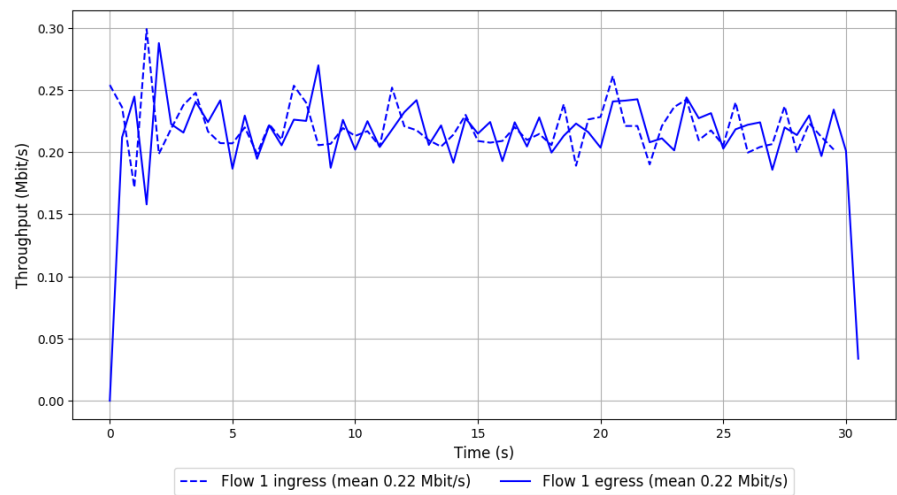


```
Run 1: Statistics of SCReAM

Start at: 2019-02-11 12:03:18
End at: 2019-02-11 12:03:48
Local clock offset: -27.175 ms
Remote clock offset: 6.764 ms

# Below is generated by plot.py at 2019-02-11 14:12:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.674 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.674 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

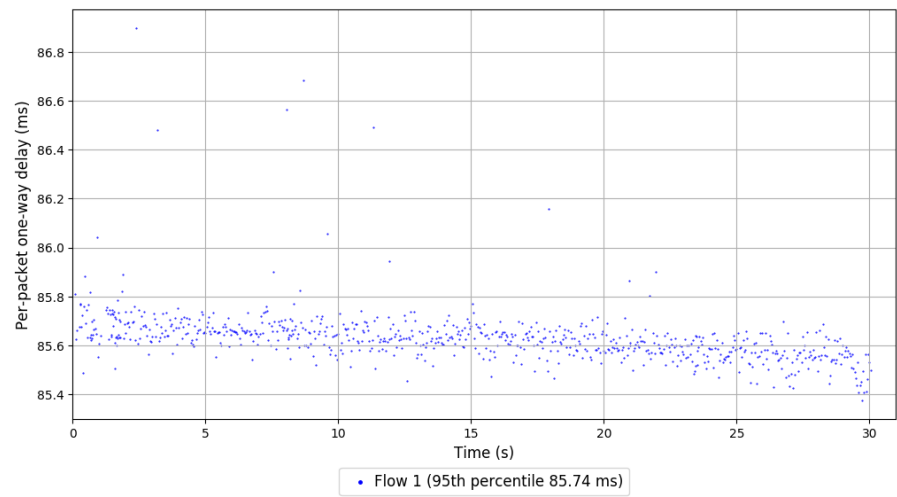
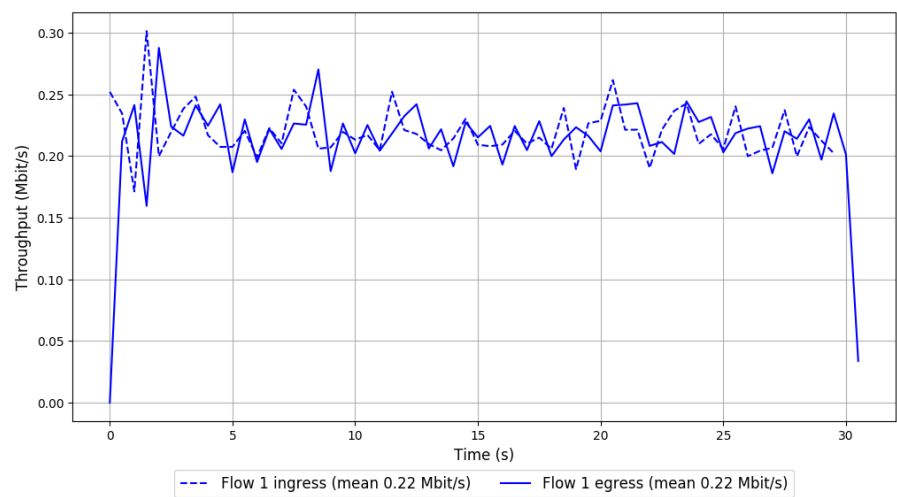


Run 2: Statistics of SCReAM

Start at: 2019-02-11 12:27:57
End at: 2019-02-11 12:28:27
Local clock offset: -18.816 ms
Remote clock offset: 6.472 ms

Below is generated by plot.py at 2019-02-11 14:12:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.739 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.739 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2019-02-11 12:52:42

End at: 2019-02-11 12:53:12

Local clock offset: -7.279 ms

Remote clock offset: 1.689 ms

Below is generated by plot.py at 2019-02-11 14:12:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 79.995 ms

Loss rate: 0.00%

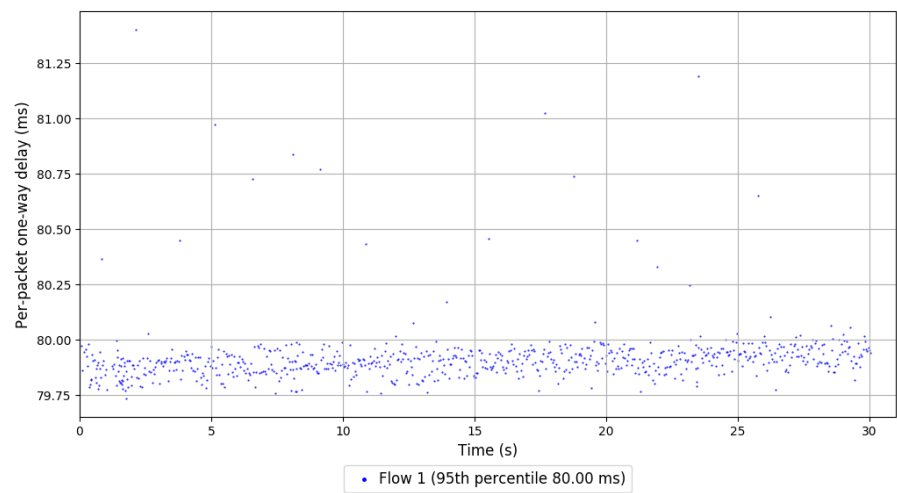
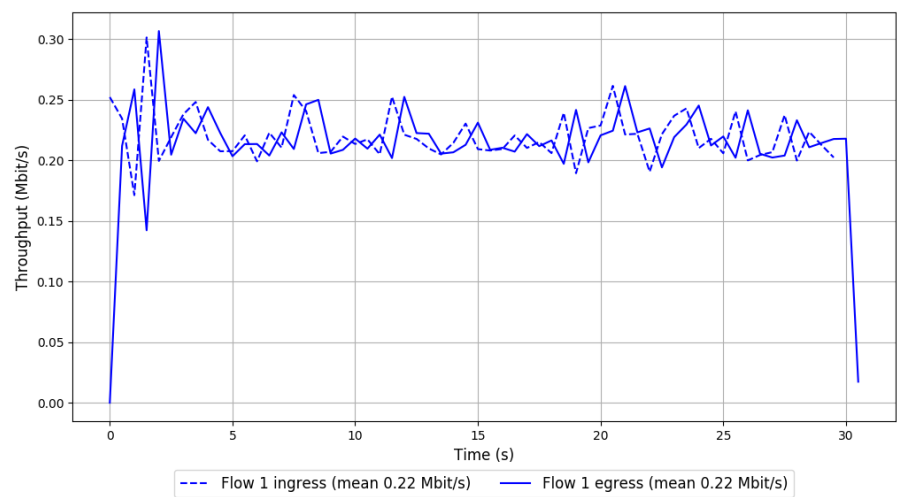
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 79.995 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2019-02-11 13:17:43

End at: 2019-02-11 13:18:13

Local clock offset: -4.478 ms

Remote clock offset: 5.396 ms

Below is generated by plot.py at 2019-02-11 14:12:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 84.535 ms

Loss rate: 0.00%

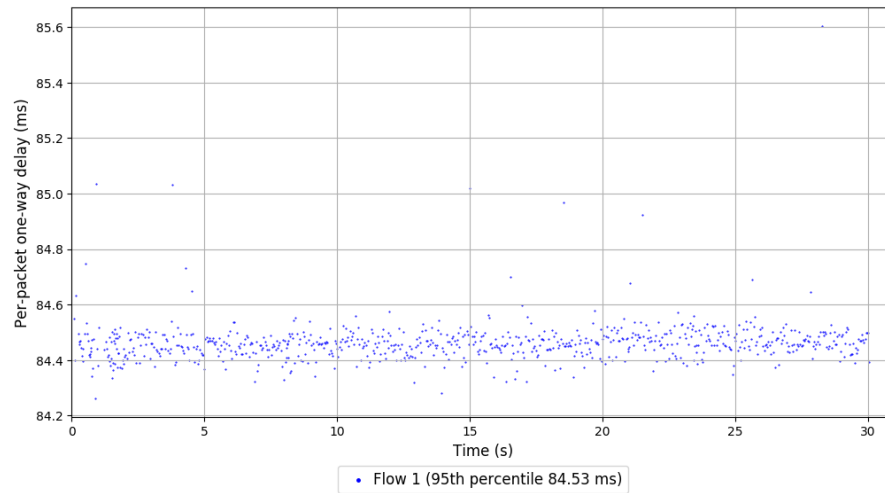
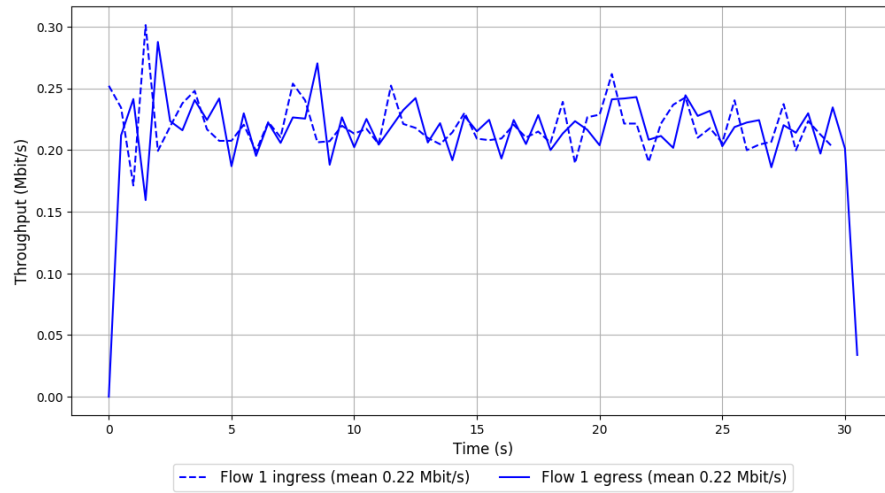
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 84.535 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2019-02-11 13:42:29

End at: 2019-02-11 13:43:00

Local clock offset: -2.899 ms

Remote clock offset: 6.026 ms

Below is generated by plot.py at 2019-02-11 14:12:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.045 ms

Loss rate: 0.00%

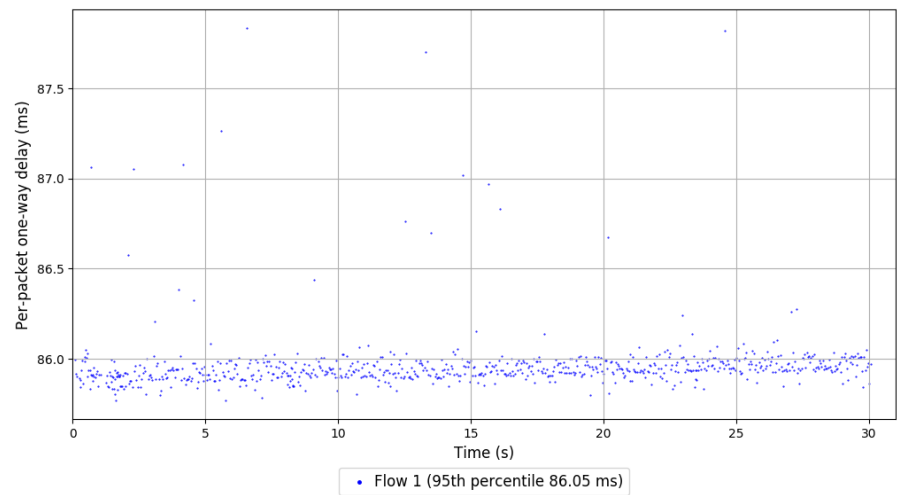
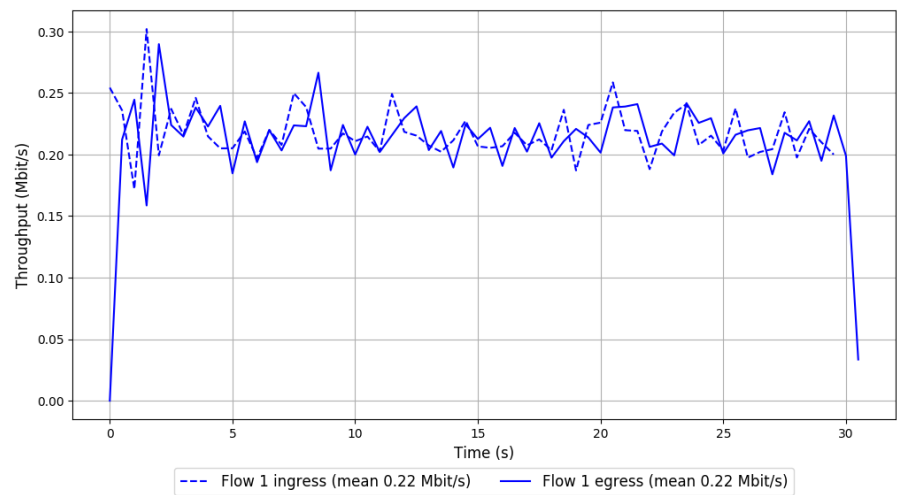
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.045 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2019-02-11 12:15:01

End at: 2019-02-11 12:15:31

Local clock offset: -17.56 ms

Remote clock offset: 1.518 ms

Below is generated by plot.py at 2019-02-11 14:12:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 84.813 ms

Loss rate: 0.07%

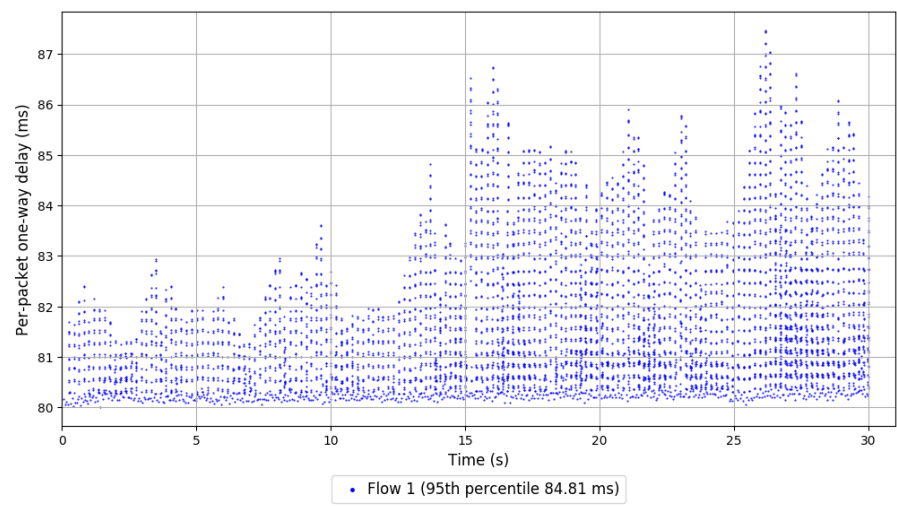
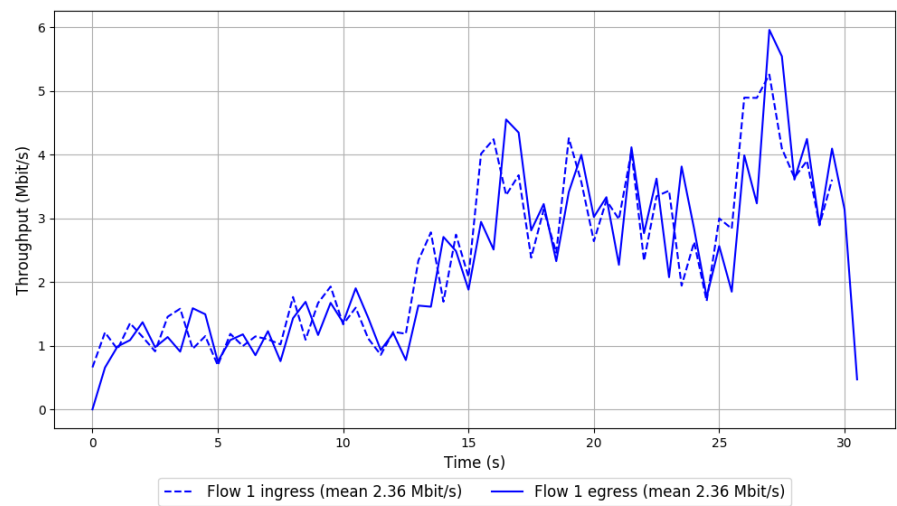
-- Flow 1:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 84.813 ms

Loss rate: 0.07%

Run 1: Report of Sprout — Data Link

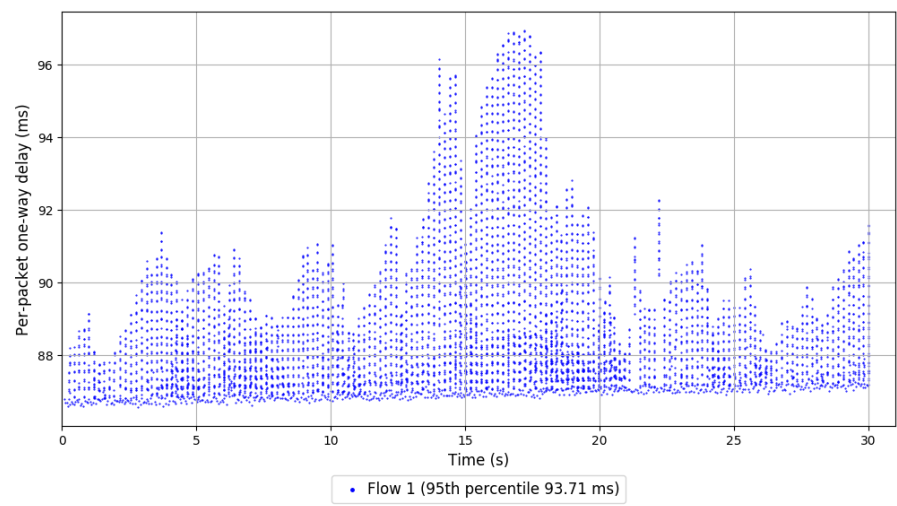
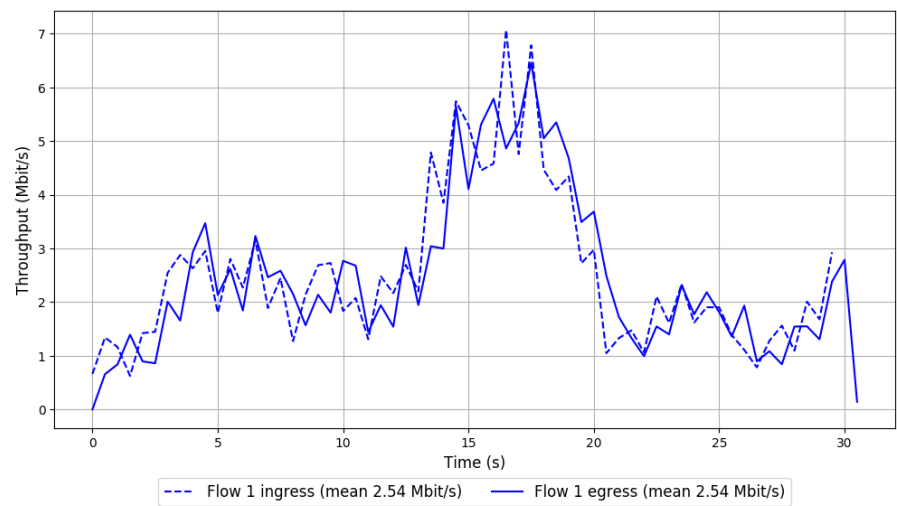


Run 2: Statistics of Sprout

Start at: 2019-02-11 12:39:41
End at: 2019-02-11 12:40:11
Local clock offset: -13.956 ms
Remote clock offset: 6.222 ms

Below is generated by plot.py at 2019-02-11 14:12:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.54 Mbit/s
95th percentile per-packet one-way delay: 93.708 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.54 Mbit/s
95th percentile per-packet one-way delay: 93.708 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

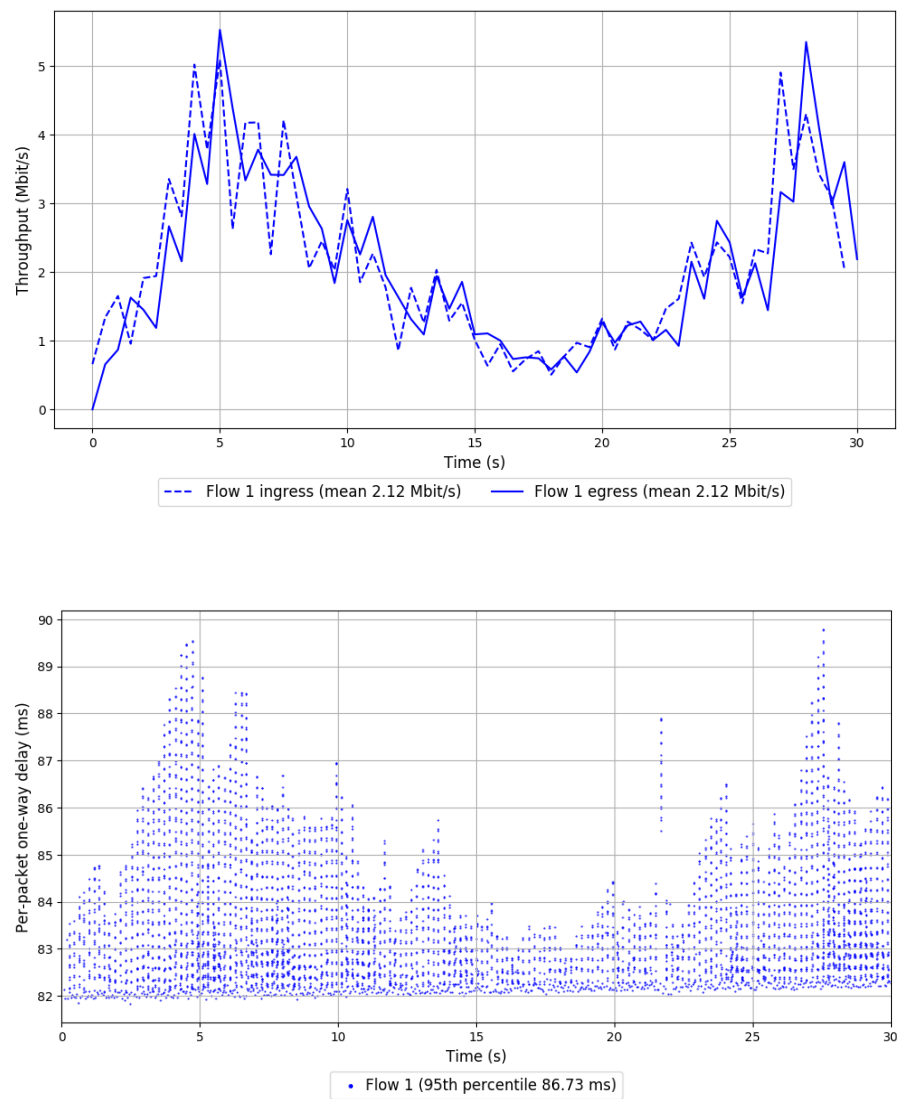


Run 3: Statistics of Sprout

Start at: 2019-02-11 13:04:36
End at: 2019-02-11 13:05:06
Local clock offset: -8.323 ms
Remote clock offset: 1.645 ms

Below is generated by plot.py at 2019-02-11 14:12:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 86.726 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 86.726 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

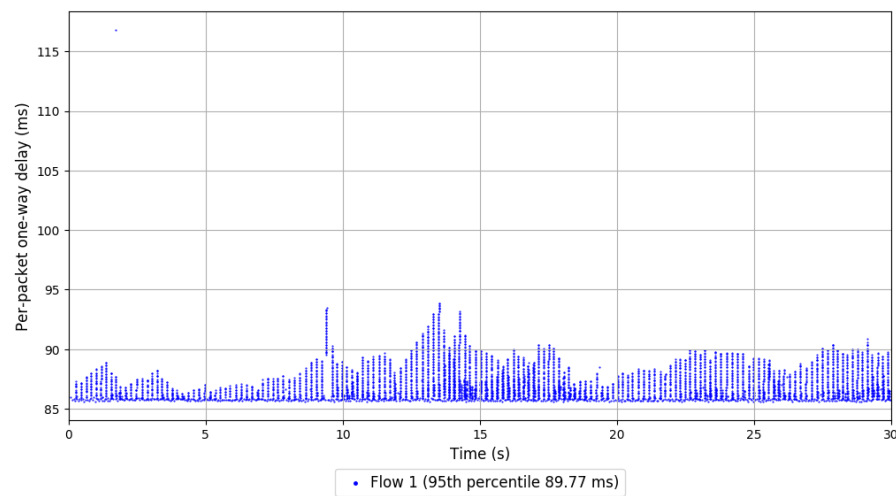
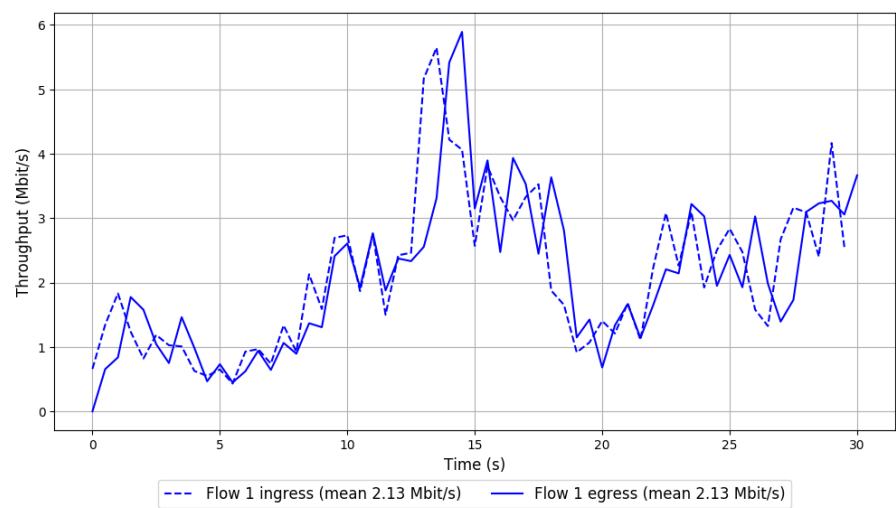


Run 4: Statistics of Sprout

Start at: 2019-02-11 13:29:31
End at: 2019-02-11 13:30:01
Local clock offset: -4.641 ms
Remote clock offset: 6.926 ms

Below is generated by plot.py at 2019-02-11 14:12:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.13 Mbit/s
95th percentile per-packet one-way delay: 89.774 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.13 Mbit/s
95th percentile per-packet one-way delay: 89.774 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2019-02-11 13:54:17

End at: 2019-02-11 13:54:47

Local clock offset: -2.962 ms

Remote clock offset: 5.984 ms

Below is generated by plot.py at 2019-02-11 14:12:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 89.331 ms

Loss rate: 0.00%

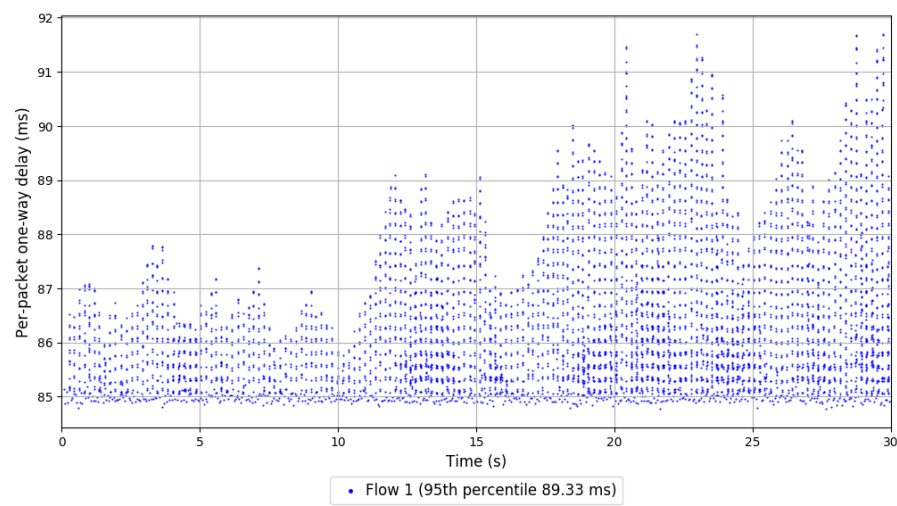
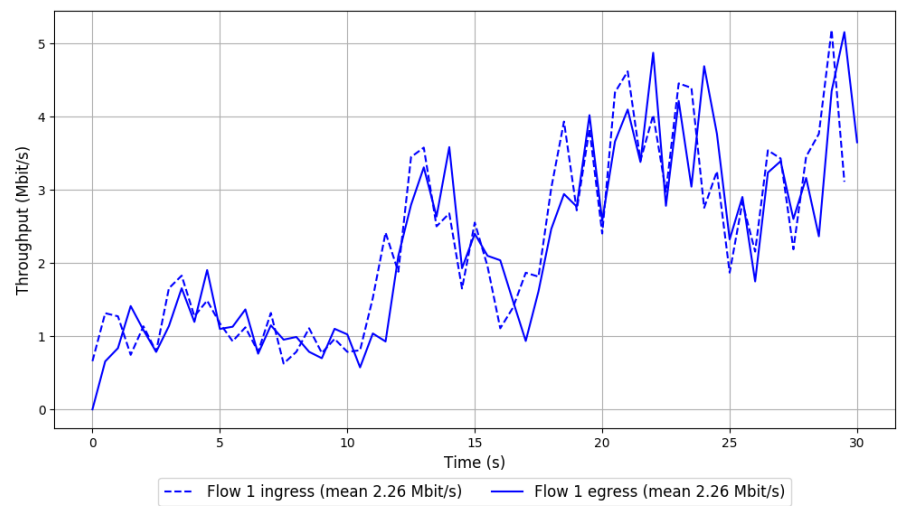
-- Flow 1:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 89.331 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

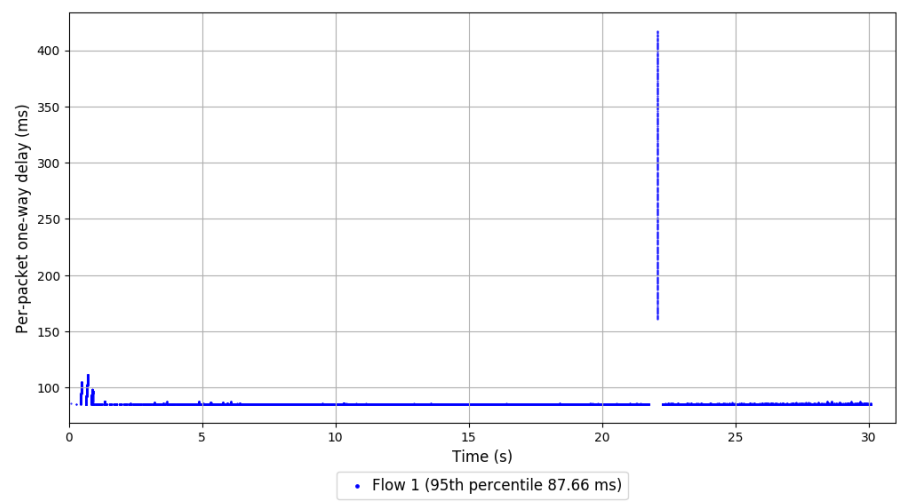
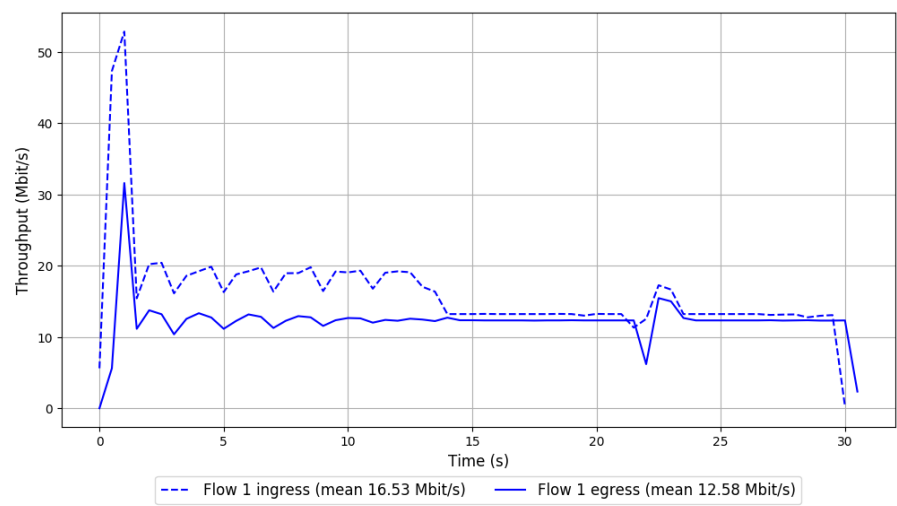


Run 1: Statistics of TaoVA-100x

Start at: 2019-02-11 12:11:28
End at: 2019-02-11 12:11:58
Local clock offset: -18.921 ms
Remote clock offset: 5.699 ms

Below is generated by plot.py at 2019-02-11 14:12:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.58 Mbit/s
95th percentile per-packet one-way delay: 87.656 ms
Loss rate: 23.85%
-- Flow 1:
Average throughput: 12.58 Mbit/s
95th percentile per-packet one-way delay: 87.656 ms
Loss rate: 23.85%

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

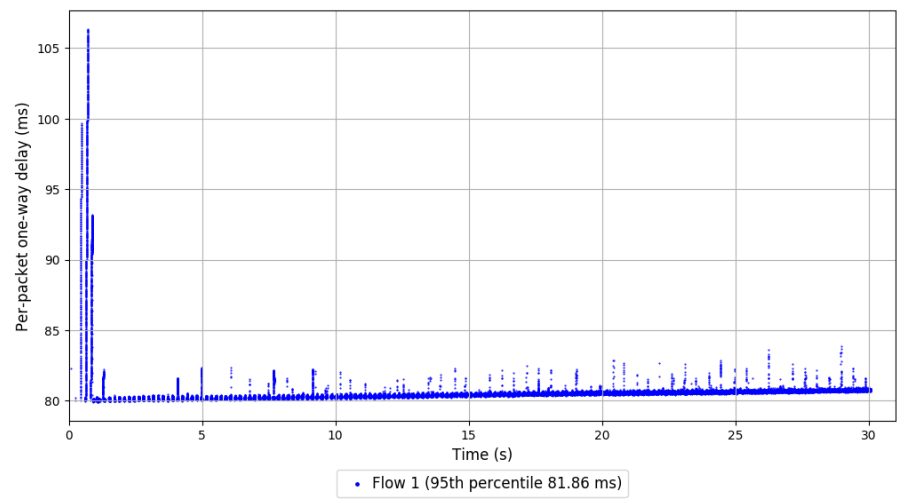
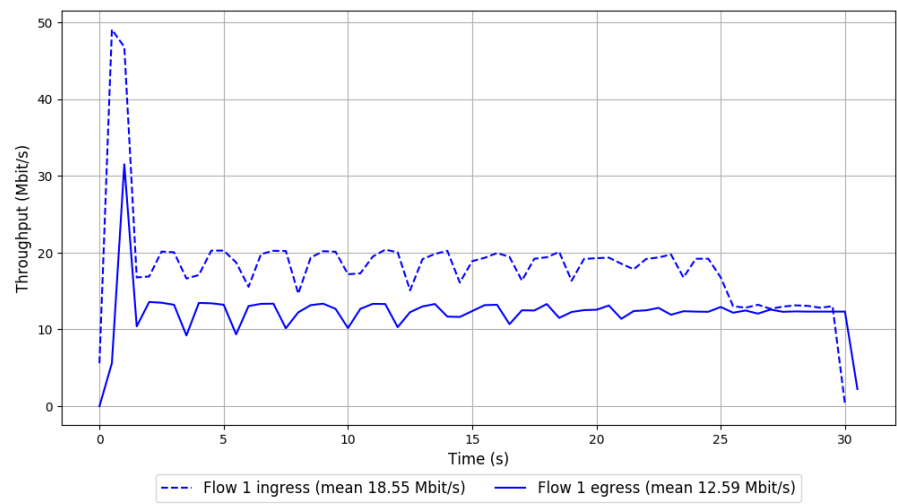


Run 2: Statistics of TaoVA-100x

Start at: 2019-02-11 12:36:08
End at: 2019-02-11 12:36:38
Local clock offset: -17.739 ms
Remote clock offset: 1.412 ms

Below is generated by plot.py at 2019-02-11 14:12:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.59 Mbit/s
95th percentile per-packet one-way delay: 81.858 ms
Loss rate: 32.17%
-- Flow 1:
Average throughput: 12.59 Mbit/s
95th percentile per-packet one-way delay: 81.858 ms
Loss rate: 32.17%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-02-11 13:01:01

End at: 2019-02-11 13:01:31

Local clock offset: -8.073 ms

Remote clock offset: 0.581 ms

Below is generated by plot.py at 2019-02-11 14:12:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.59 Mbit/s

95th percentile per-packet one-way delay: 82.466 ms

Loss rate: 30.53%

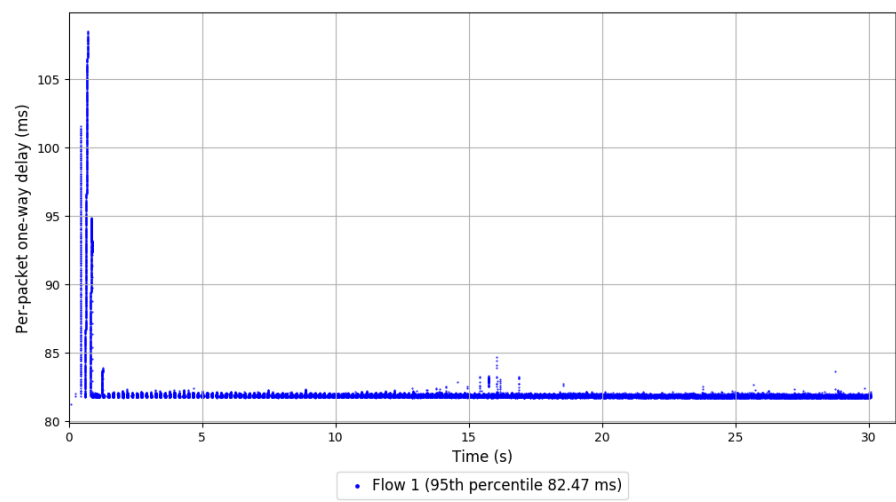
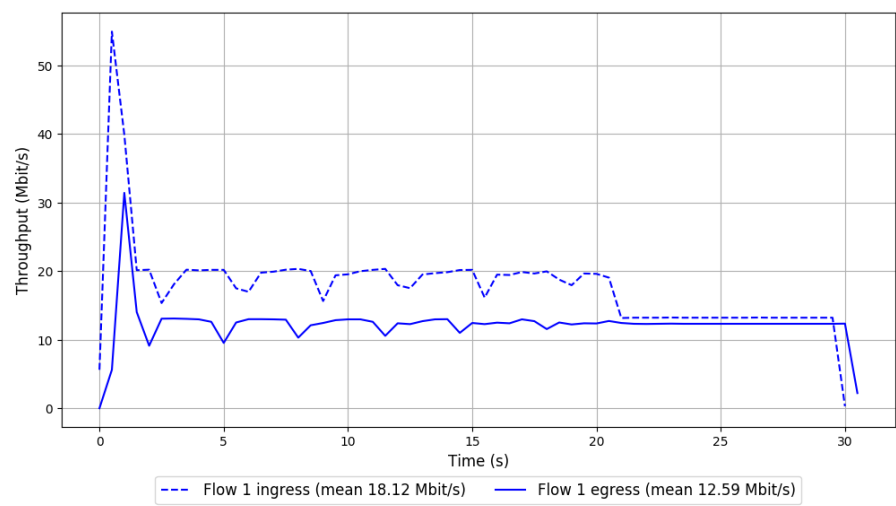
-- Flow 1:

Average throughput: 12.59 Mbit/s

95th percentile per-packet one-way delay: 82.466 ms

Loss rate: 30.53%

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-02-11 13:25:56

End at: 2019-02-11 13:26:26

Local clock offset: -5.182 ms

Remote clock offset: 0.727 ms

Below is generated by plot.py at 2019-02-11 14:12:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.59 Mbit/s

95th percentile per-packet one-way delay: 81.697 ms

Loss rate: 31.87%

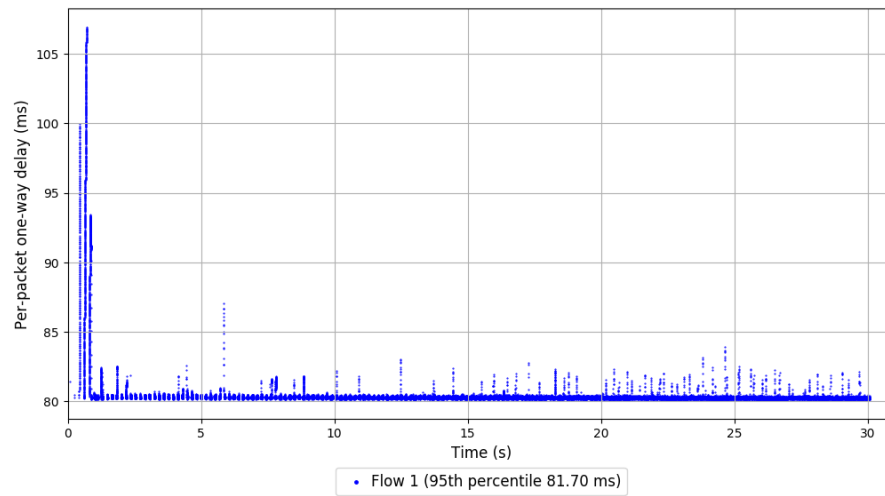
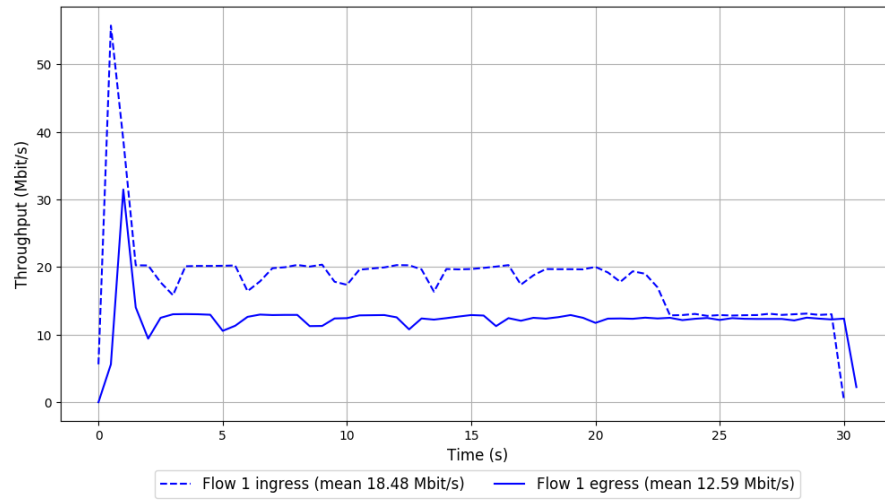
-- Flow 1:

Average throughput: 12.59 Mbit/s

95th percentile per-packet one-way delay: 81.697 ms

Loss rate: 31.87%

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



Run 5: Statistics of TaoVA-100x

Start at: 2019-02-11 13:50:43

End at: 2019-02-11 13:51:13

Local clock offset: -3.026 ms

Remote clock offset: 1.98 ms

Below is generated by plot.py at 2019-02-11 14:12:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.58 Mbit/s

95th percentile per-packet one-way delay: 84.164 ms

Loss rate: 24.85%

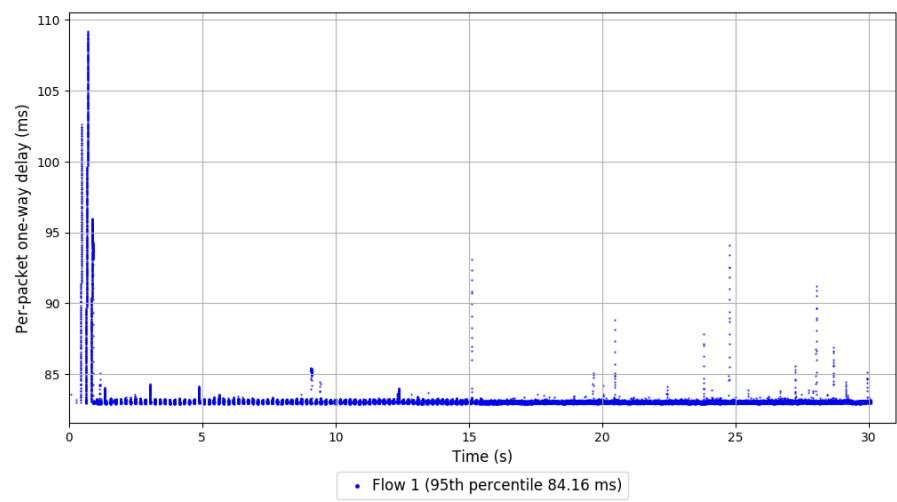
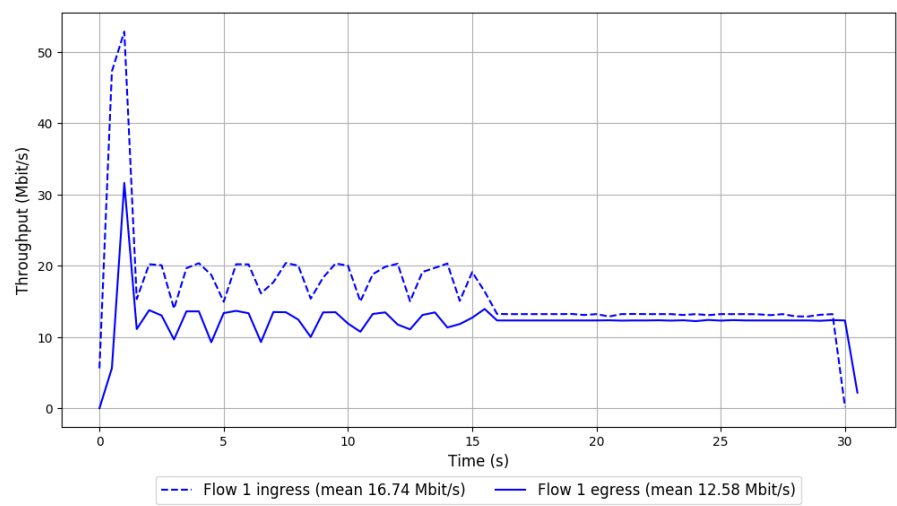
-- Flow 1:

Average throughput: 12.58 Mbit/s

95th percentile per-packet one-way delay: 84.164 ms

Loss rate: 24.85%

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

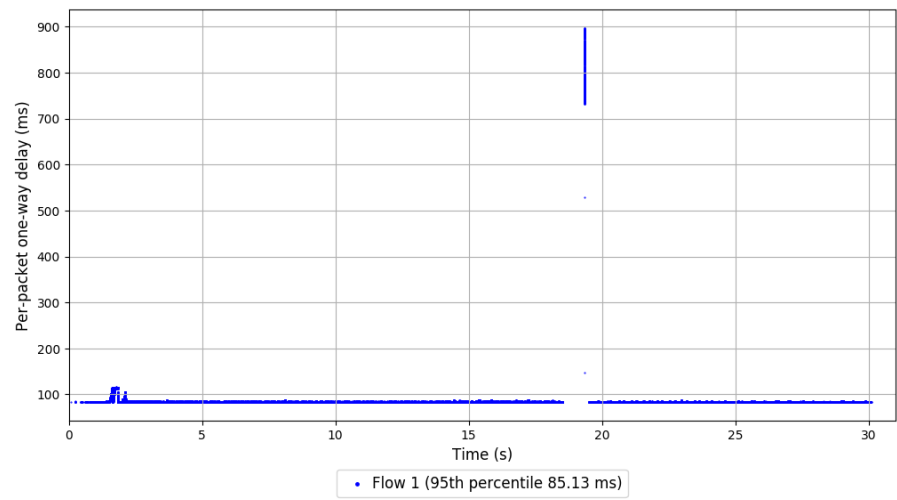
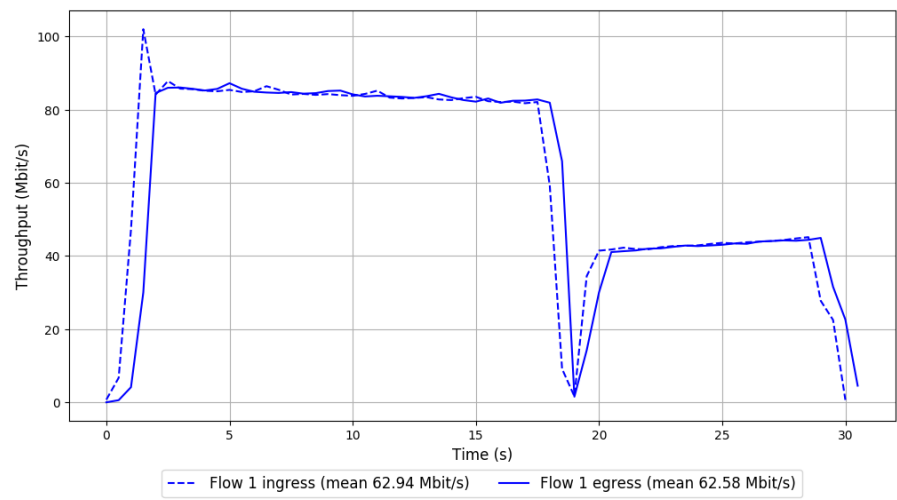


Run 1: Statistics of TCP Vegas

Start at: 2019-02-11 12:17:21
End at: 2019-02-11 12:17:51
Local clock offset: -17.158 ms
Remote clock offset: 5.506 ms

Below is generated by plot.py at 2019-02-11 14:12:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 62.58 Mbit/s
95th percentile per-packet one-way delay: 85.130 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 62.58 Mbit/s
95th percentile per-packet one-way delay: 85.130 ms
Loss rate: 0.57%

Run 1: Report of TCP Vegas — Data Link

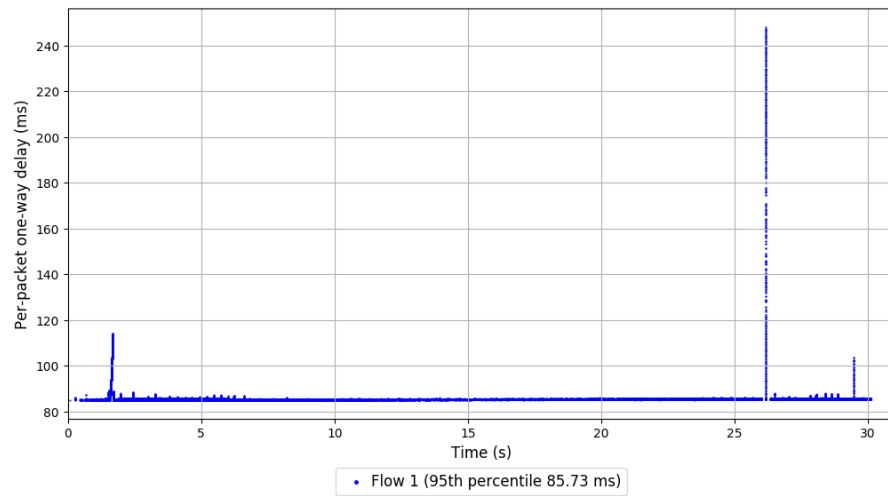
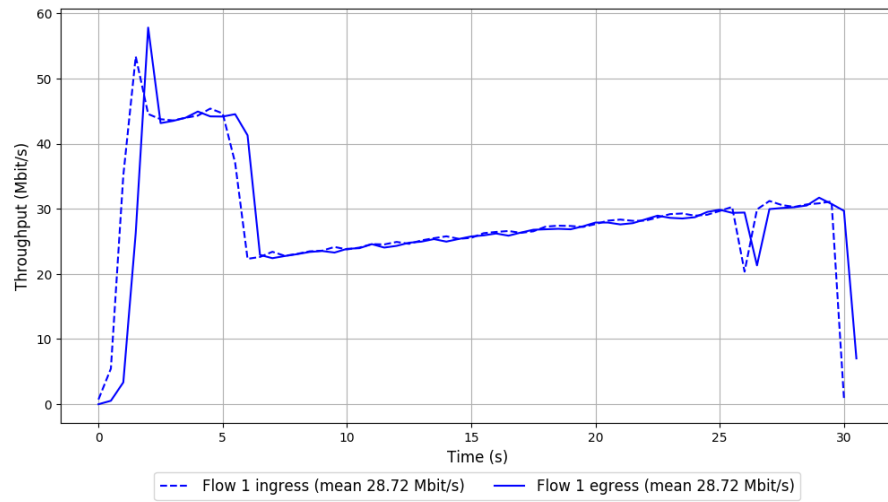


Run 2: Statistics of TCP Vegas

Start at: 2019-02-11 12:42:02
End at: 2019-02-11 12:42:32
Local clock offset: -11.941 ms
Remote clock offset: 5.285 ms

Below is generated by plot.py at 2019-02-11 14:12:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 28.72 Mbit/s
95th percentile per-packet one-way delay: 85.734 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 28.72 Mbit/s
95th percentile per-packet one-way delay: 85.734 ms
Loss rate: 0.01%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2019-02-11 13:06:56

End at: 2019-02-11 13:07:26

Local clock offset: -6.46 ms

Remote clock offset: 1.676 ms

Below is generated by plot.py at 2019-02-11 14:12:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.46 Mbit/s

95th percentile per-packet one-way delay: 82.340 ms

Loss rate: 0.73%

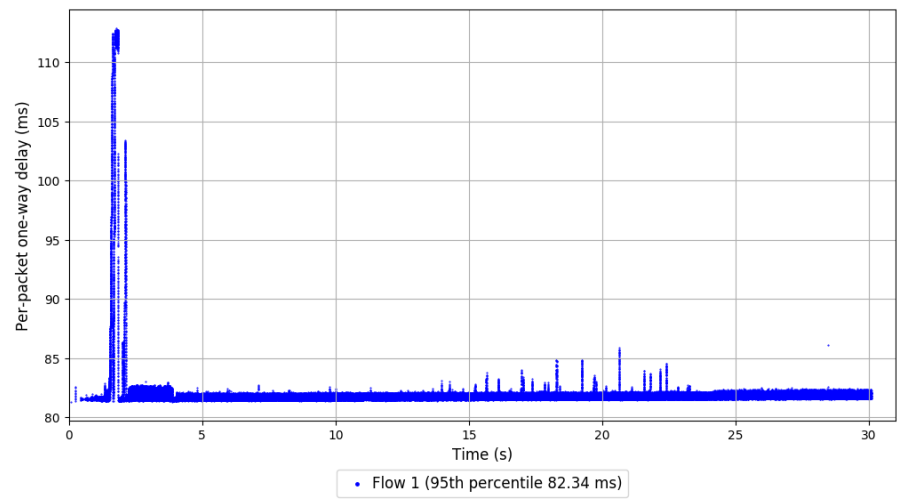
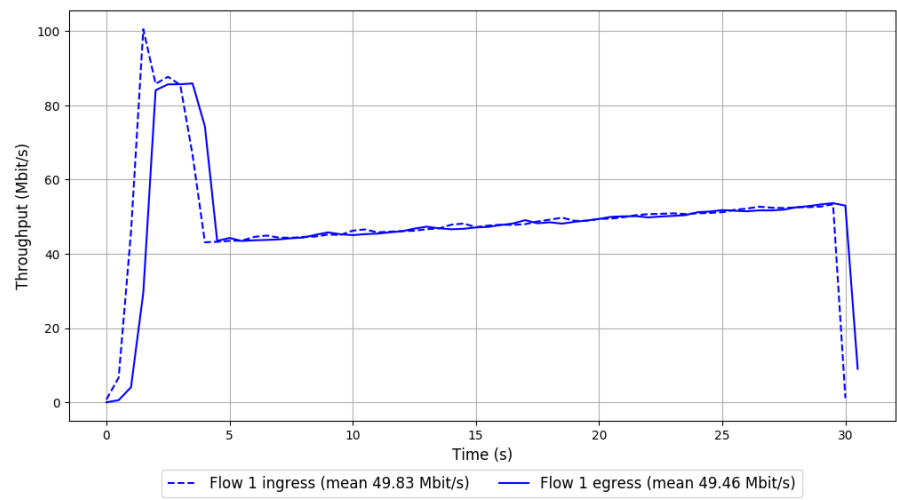
-- Flow 1:

Average throughput: 49.46 Mbit/s

95th percentile per-packet one-way delay: 82.340 ms

Loss rate: 0.73%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2019-02-11 13:31:51

End at: 2019-02-11 13:32:21

Local clock offset: -5.569 ms

Remote clock offset: 5.788 ms

Below is generated by plot.py at 2019-02-11 14:13:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.50 Mbit/s

95th percentile per-packet one-way delay: 87.183 ms

Loss rate: 0.46%

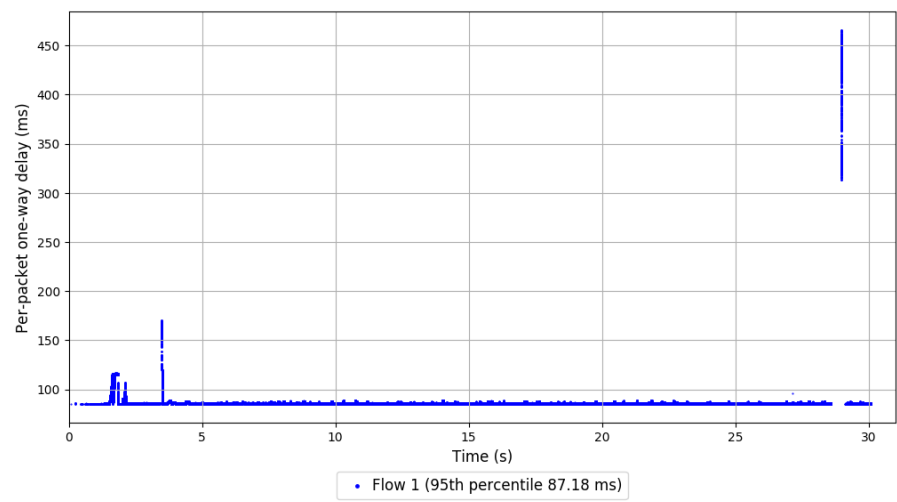
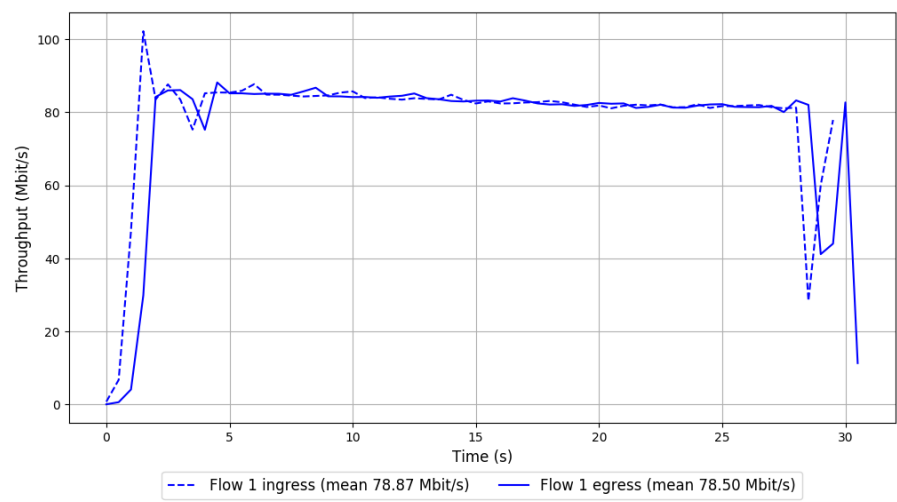
-- Flow 1:

Average throughput: 78.50 Mbit/s

95th percentile per-packet one-way delay: 87.183 ms

Loss rate: 0.46%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2019-02-11 13:56:36

End at: 2019-02-11 13:57:06

Local clock offset: -3.047 ms

Remote clock offset: 4.637 ms

Below is generated by plot.py at 2019-02-11 14:13:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.75 Mbit/s

95th percentile per-packet one-way delay: 85.248 ms

Loss rate: 0.75%

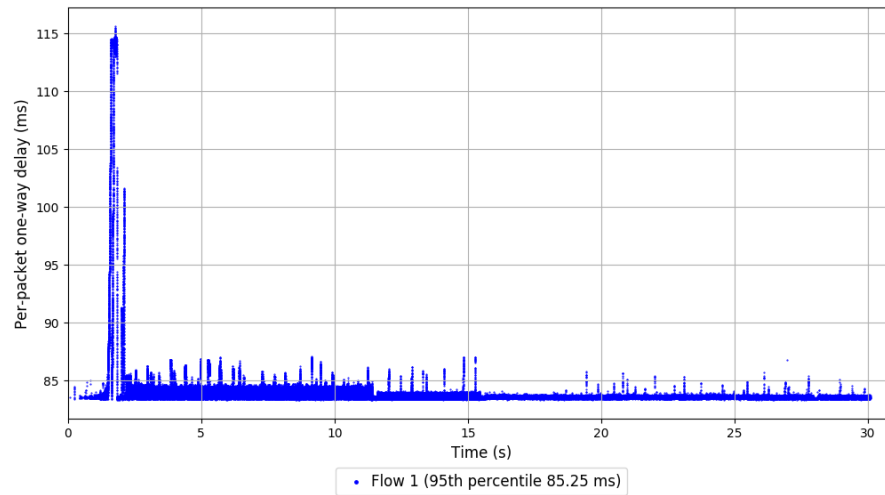
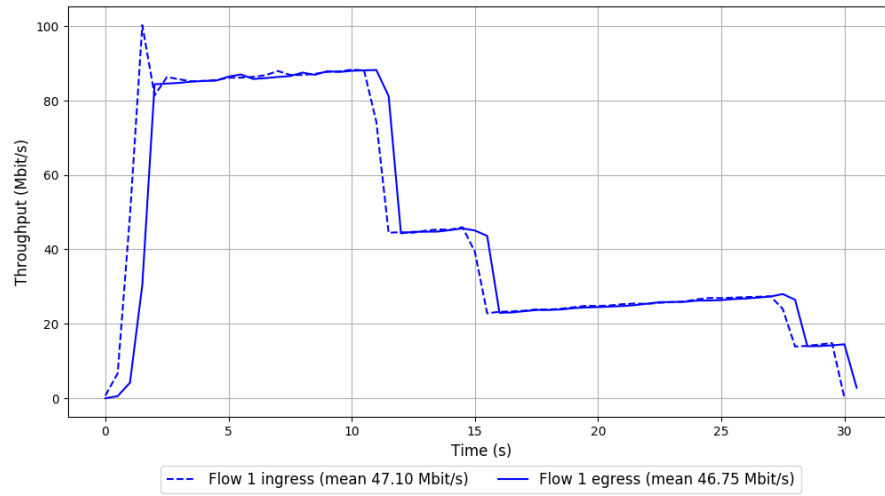
-- Flow 1:

Average throughput: 46.75 Mbit/s

95th percentile per-packet one-way delay: 85.248 ms

Loss rate: 0.75%

Run 5: Report of TCP Vegas — Data Link

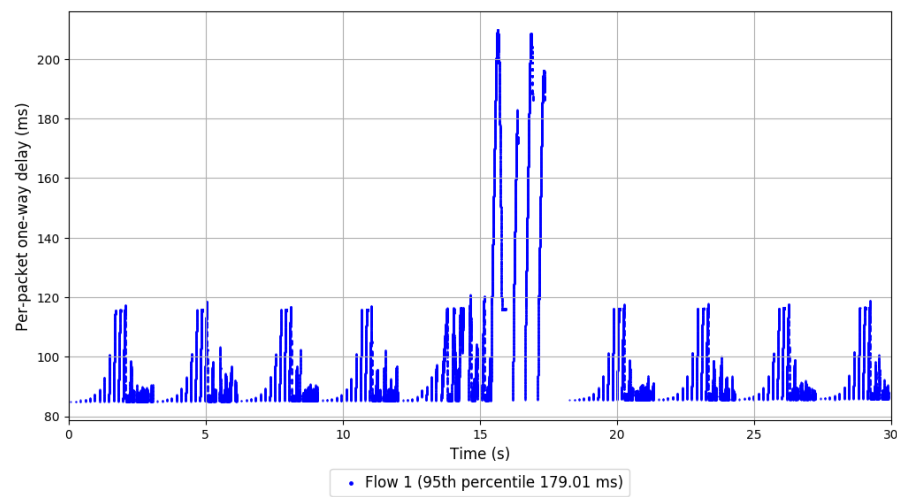
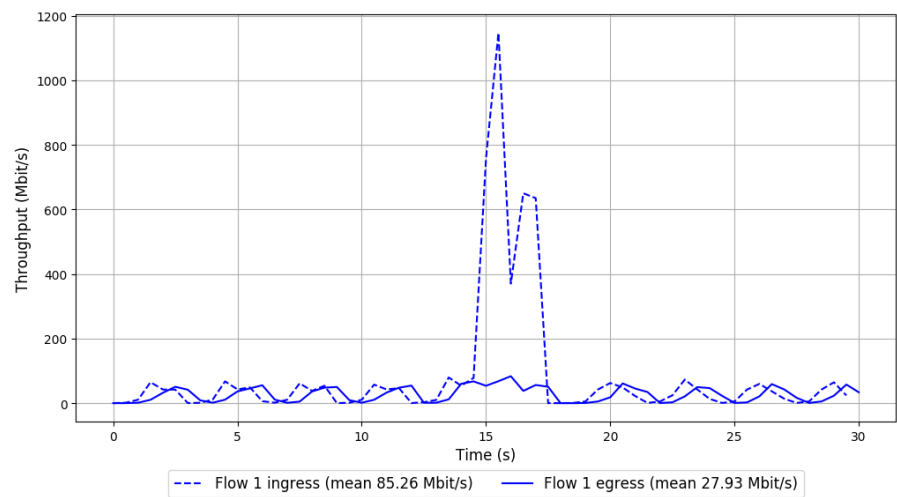


Run 1: Statistics of Verus

Start at: 2019-02-11 12:04:26
End at: 2019-02-11 12:04:56
Local clock offset: -27.108 ms
Remote clock offset: 6.533 ms

Below is generated by plot.py at 2019-02-11 14:13:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 27.93 Mbit/s
95th percentile per-packet one-way delay: 179.015 ms
Loss rate: 67.24%
-- Flow 1:
Average throughput: 27.93 Mbit/s
95th percentile per-packet one-way delay: 179.015 ms
Loss rate: 67.24%

Run 1: Report of Verus — Data Link

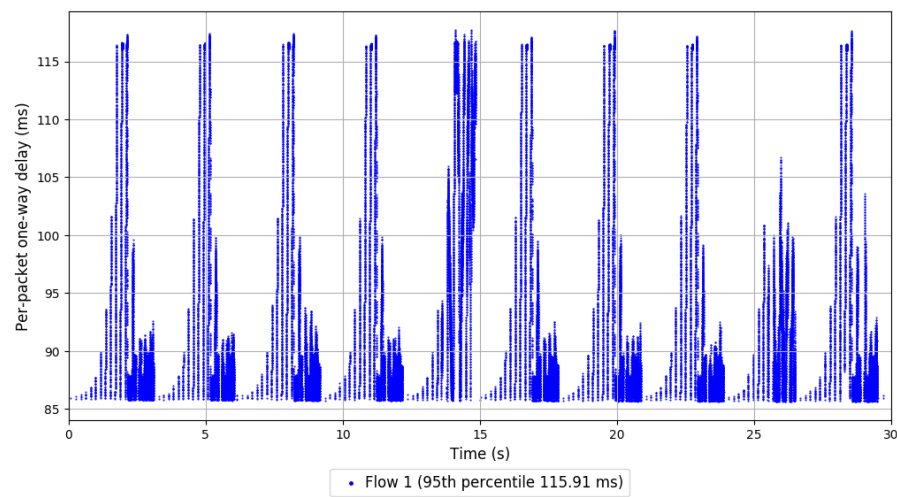
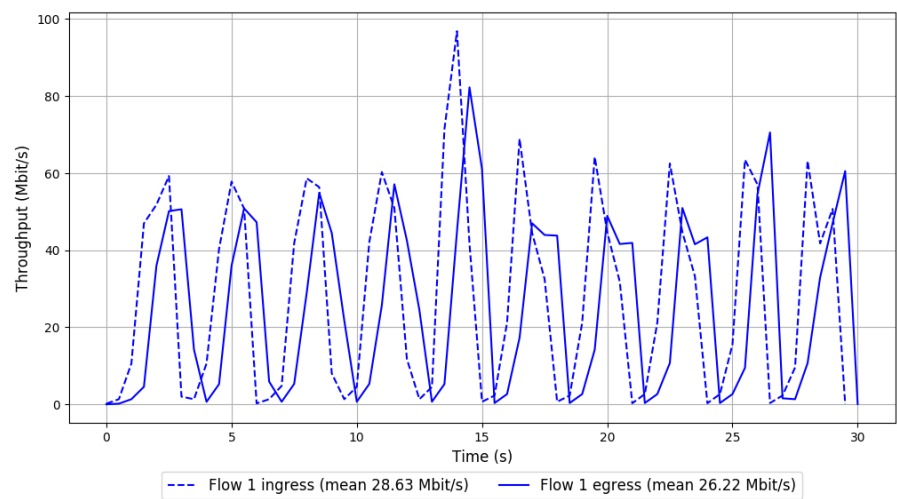


Run 2: Statistics of Verus

Start at: 2019-02-11 12:29:04
End at: 2019-02-11 12:29:34
Local clock offset: -19.952 ms
Remote clock offset: 6.502 ms

Below is generated by plot.py at 2019-02-11 14:13:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 26.22 Mbit/s
95th percentile per-packet one-way delay: 115.912 ms
Loss rate: 8.41%
-- Flow 1:
Average throughput: 26.22 Mbit/s
95th percentile per-packet one-way delay: 115.912 ms
Loss rate: 8.41%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2019-02-11 12:53:49

End at: 2019-02-11 12:54:19

Local clock offset: -7.197 ms

Remote clock offset: 0.627 ms

Below is generated by plot.py at 2019-02-11 14:13:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.39 Mbit/s

95th percentile per-packet one-way delay: 112.835 ms

Loss rate: 8.69%

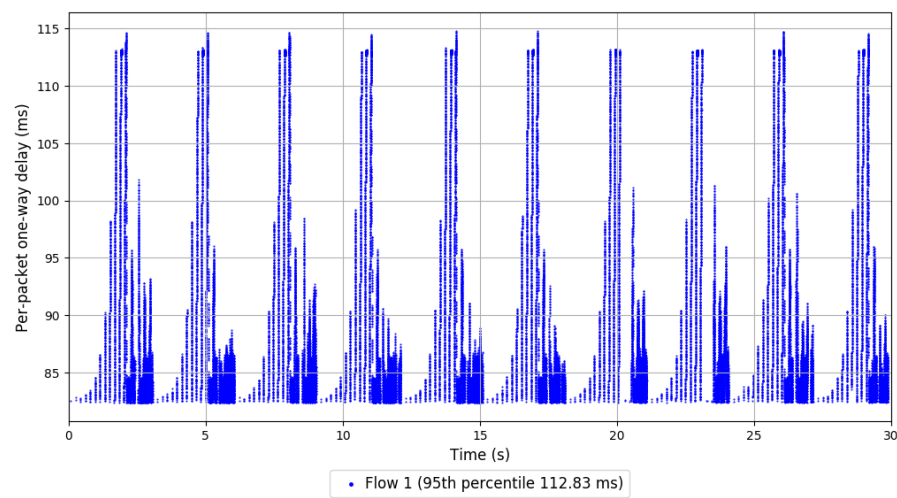
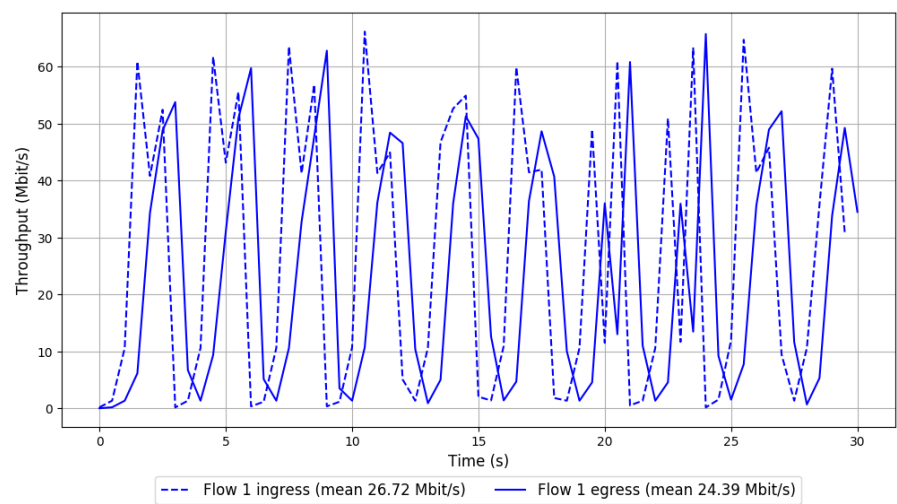
-- Flow 1:

Average throughput: 24.39 Mbit/s

95th percentile per-packet one-way delay: 112.835 ms

Loss rate: 8.69%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2019-02-11 13:18:51

End at: 2019-02-11 13:19:21

Local clock offset: -5.132 ms

Remote clock offset: 5.365 ms

Below is generated by plot.py at 2019-02-11 14:13:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 36.14 Mbit/s

95th percentile per-packet one-way delay: 120.351 ms

Loss rate: 51.81%

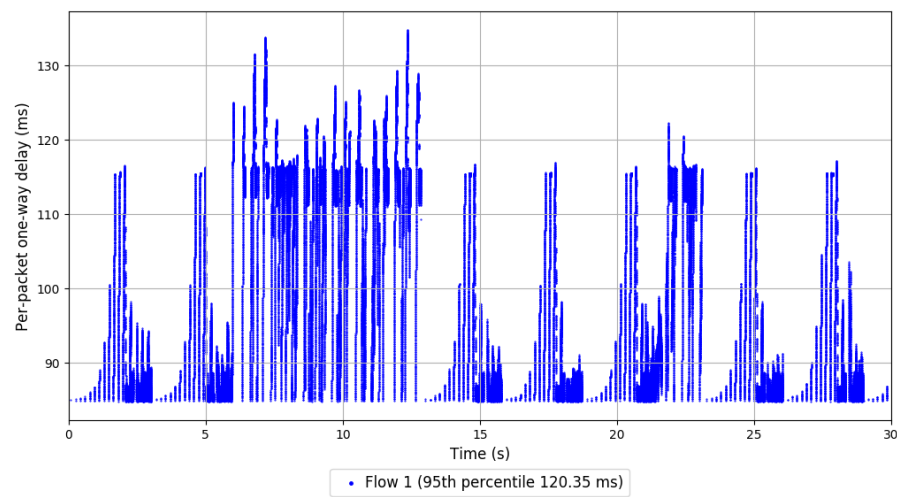
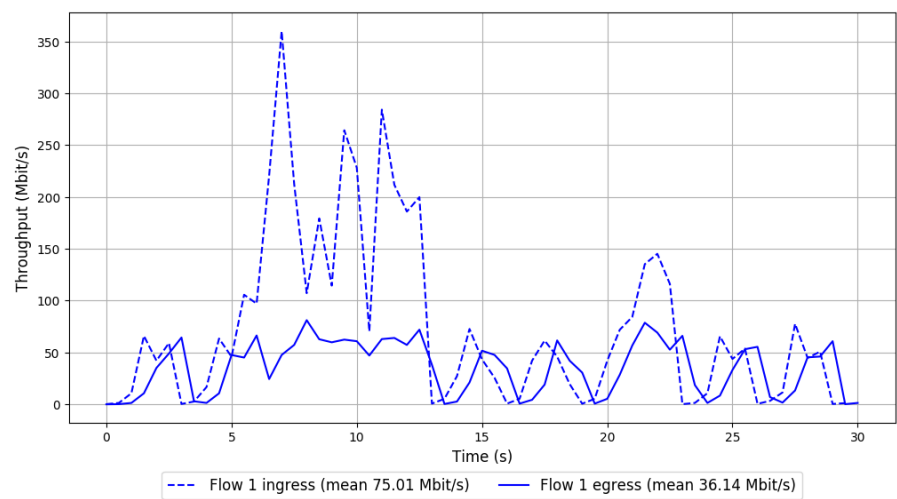
-- Flow 1:

Average throughput: 36.14 Mbit/s

95th percentile per-packet one-way delay: 120.351 ms

Loss rate: 51.81%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2019-02-11 13:43:37

End at: 2019-02-11 13:44:07

Local clock offset: -2.829 ms

Remote clock offset: 2.043 ms

Below is generated by plot.py at 2019-02-11 14:13:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 39.59 Mbit/s

95th percentile per-packet one-way delay: 170.505 ms

Loss rate: 72.68%

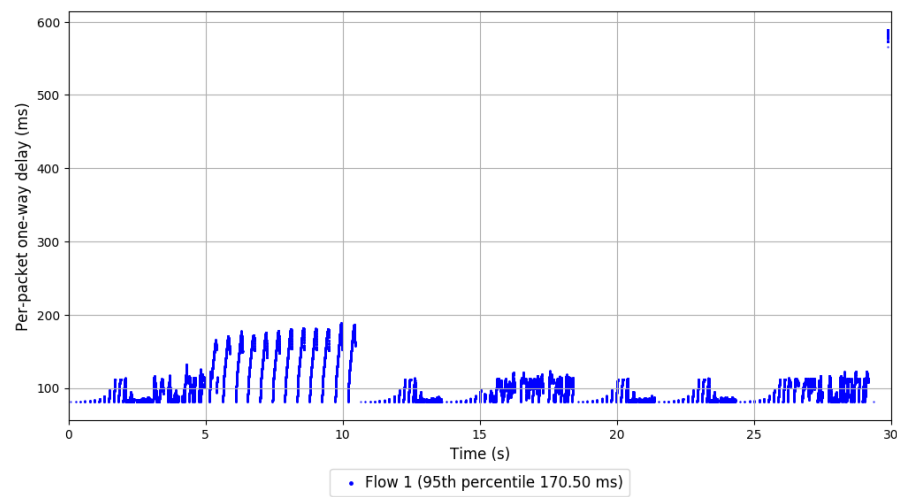
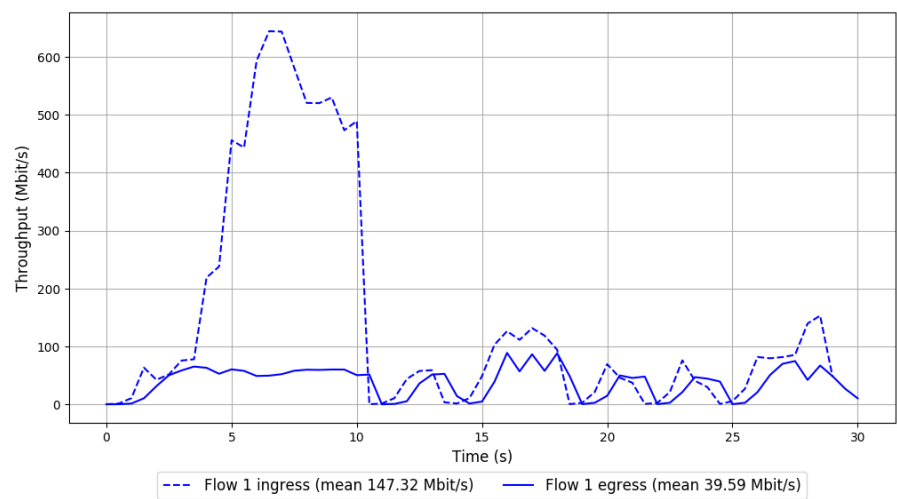
-- Flow 1:

Average throughput: 39.59 Mbit/s

95th percentile per-packet one-way delay: 170.505 ms

Loss rate: 72.68%

Run 5: Report of Verus — Data Link

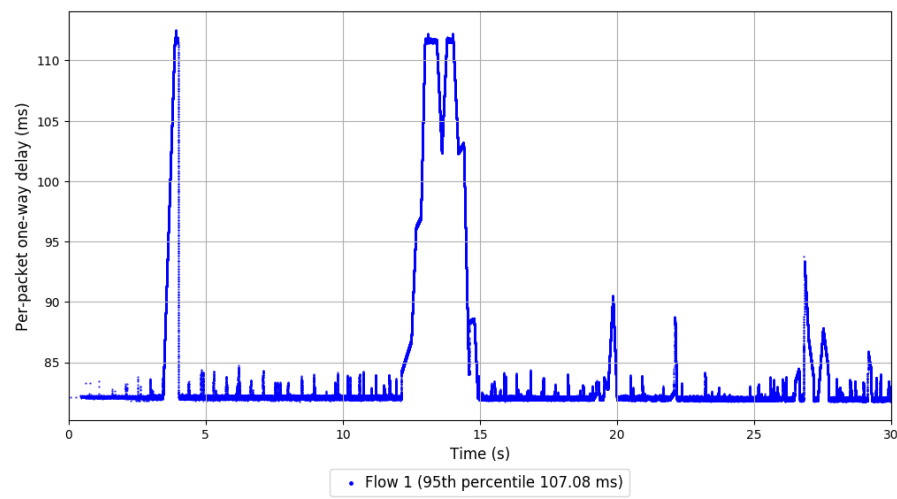
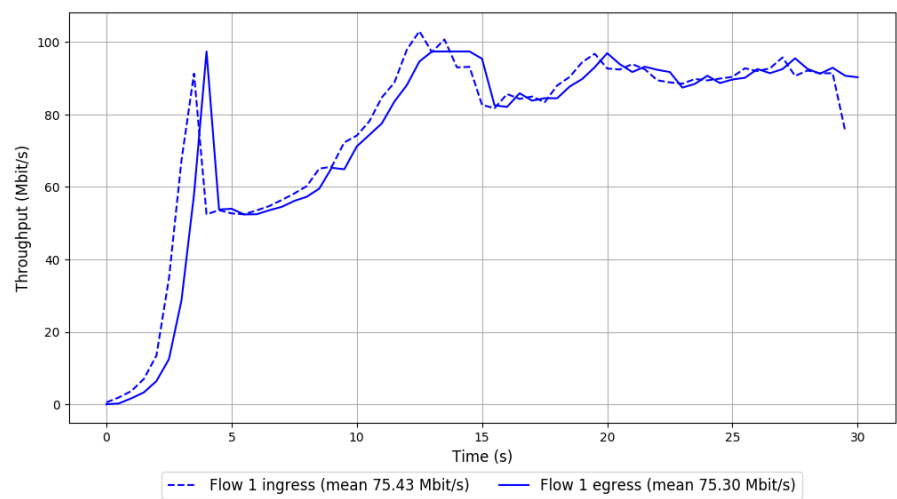


Run 1: Statistics of PCC-Vivace

Start at: 2019-02-11 12:02:06
End at: 2019-02-11 12:02:36
Local clock offset: -25.793 ms
Remote clock offset: 2.873 ms

Below is generated by plot.py at 2019-02-11 14:13:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.30 Mbit/s
95th percentile per-packet one-way delay: 107.076 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 75.30 Mbit/s
95th percentile per-packet one-way delay: 107.076 ms
Loss rate: 0.17%

Run 1: Report of PCC-Vivace — Data Link

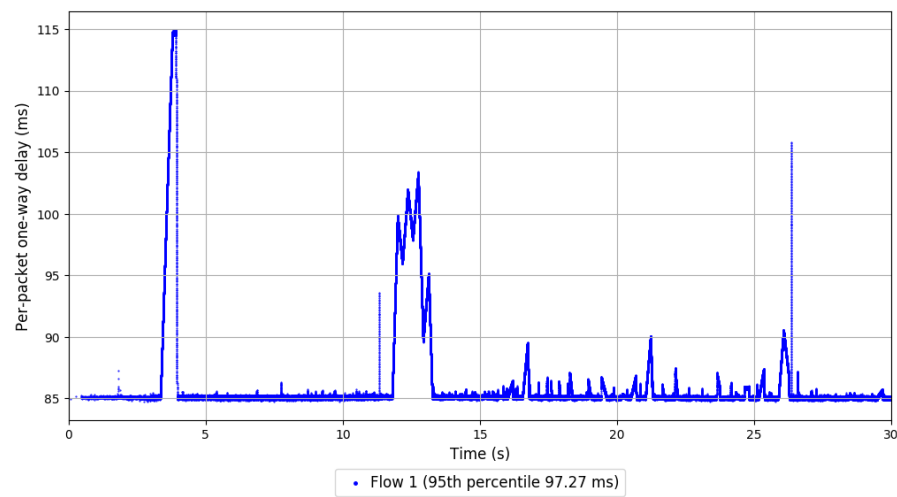
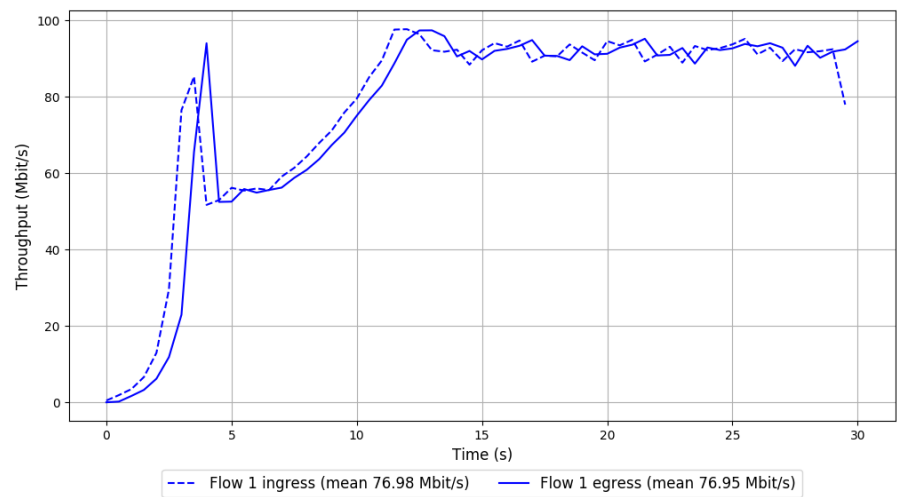


Run 2: Statistics of PCC-Vivace

Start at: 2019-02-11 12:26:44
End at: 2019-02-11 12:27:14
Local clock offset: -18.424 ms
Remote clock offset: 6.5 ms

Below is generated by plot.py at 2019-02-11 14:13:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.95 Mbit/s
95th percentile per-packet one-way delay: 97.270 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 76.95 Mbit/s
95th percentile per-packet one-way delay: 97.270 ms
Loss rate: 0.04%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-02-11 12:51:28

End at: 2019-02-11 12:51:58

Local clock offset: -7.419 ms

Remote clock offset: 6.981 ms

Below is generated by plot.py at 2019-02-11 14:13:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.85 Mbit/s

95th percentile per-packet one-way delay: 117.617 ms

Loss rate: 0.30%

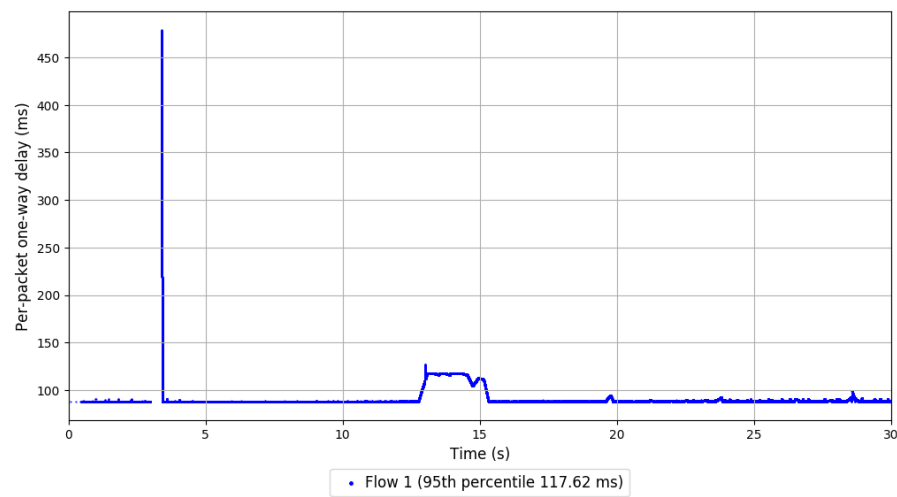
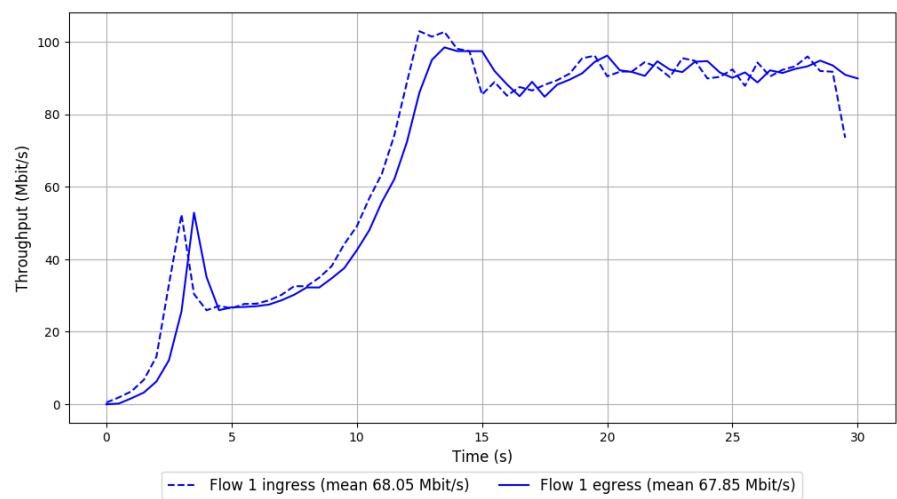
-- Flow 1:

Average throughput: 67.85 Mbit/s

95th percentile per-packet one-way delay: 117.617 ms

Loss rate: 0.30%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-02-11 13:16:30

End at: 2019-02-11 13:17:00

Local clock offset: -4.494 ms

Remote clock offset: 6.497 ms

Below is generated by plot.py at 2019-02-11 14:13:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.81 Mbit/s

95th percentile per-packet one-way delay: 109.999 ms

Loss rate: 0.15%

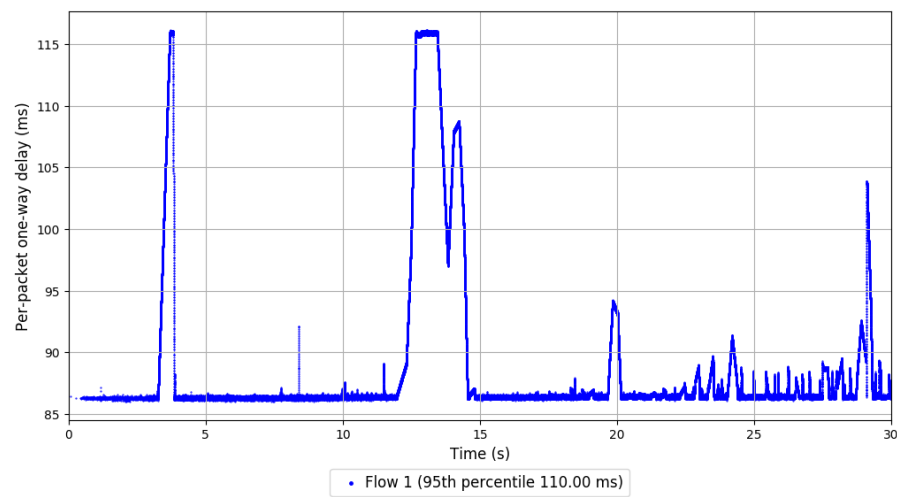
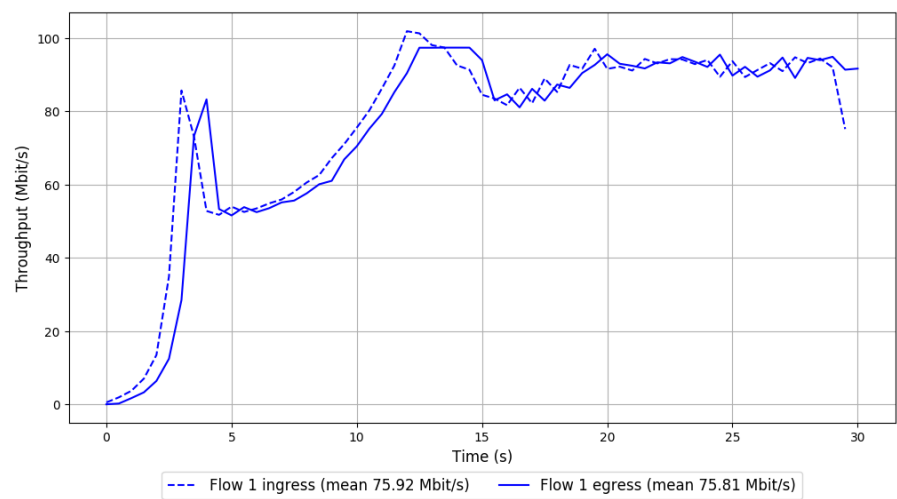
-- Flow 1:

Average throughput: 75.81 Mbit/s

95th percentile per-packet one-way delay: 109.999 ms

Loss rate: 0.15%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-02-11 13:41:17

End at: 2019-02-11 13:41:47

Local clock offset: -3.84 ms

Remote clock offset: 6.825 ms

Below is generated by plot.py at 2019-02-11 14:13:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.85 Mbit/s

95th percentile per-packet one-way delay: 112.993 ms

Loss rate: 0.18%

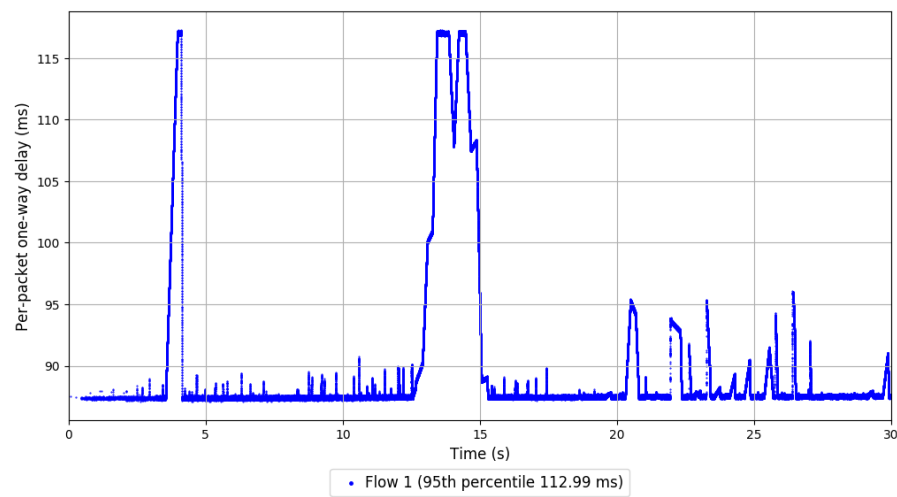
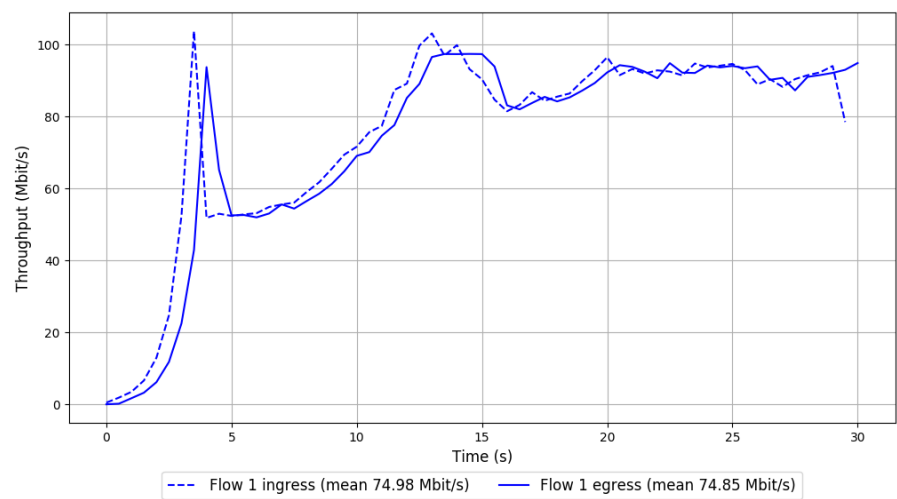
-- Flow 1:

Average throughput: 74.85 Mbit/s

95th percentile per-packet one-way delay: 112.993 ms

Loss rate: 0.18%

Run 5: Report of PCC-Vivace — Data Link

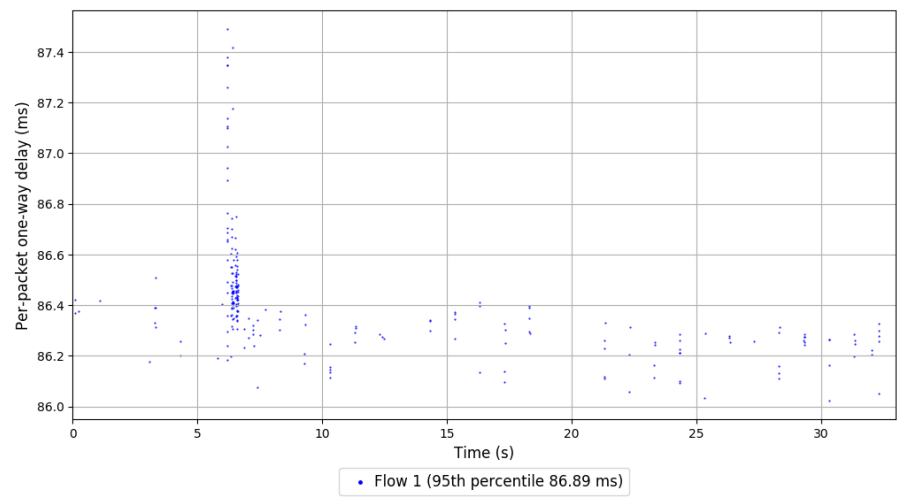
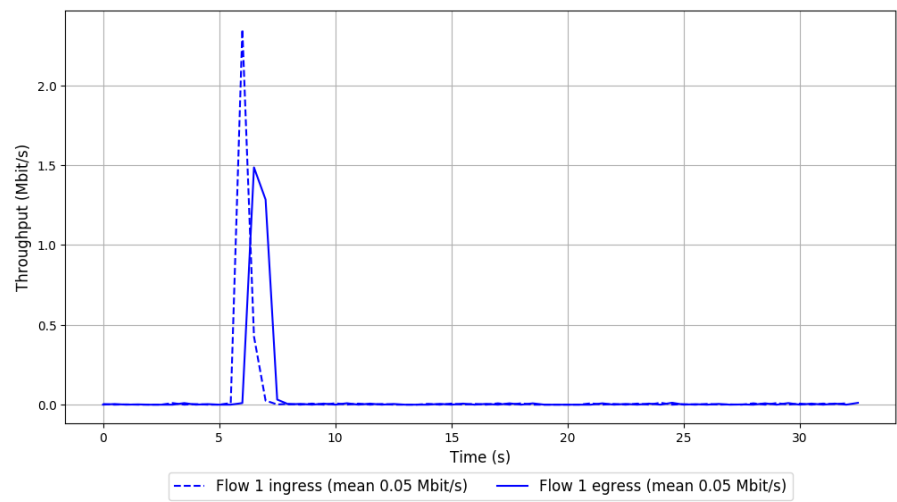


Run 1: Statistics of WebRTC media

Start at: 2019-02-11 12:23:13
End at: 2019-02-11 12:23:43
Local clock offset: -17.629 ms
Remote clock offset: 6.698 ms

Below is generated by plot.py at 2019-02-11 14:13:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.894 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.894 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2019-02-11 12:47:55

End at: 2019-02-11 12:48:25

Local clock offset: -8.242 ms

Remote clock offset: 2.316 ms

Below is generated by plot.py at 2019-02-11 14:13:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 83.264 ms

Loss rate: 0.00%

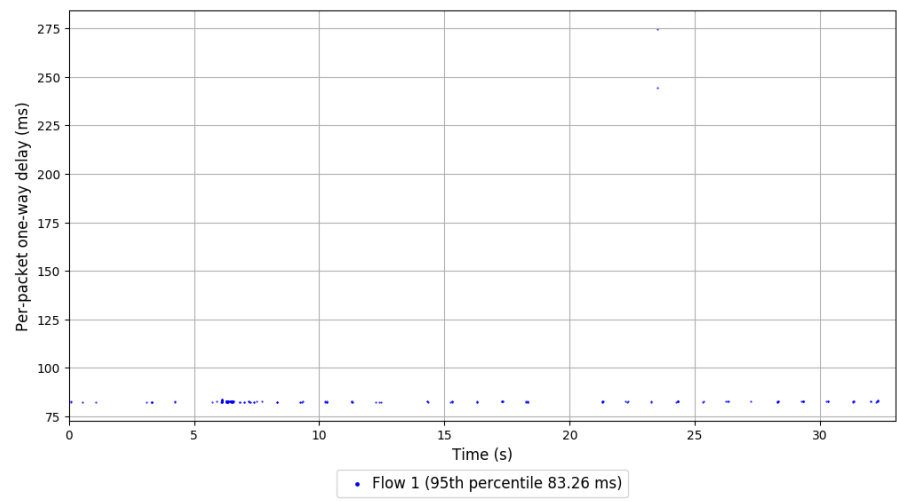
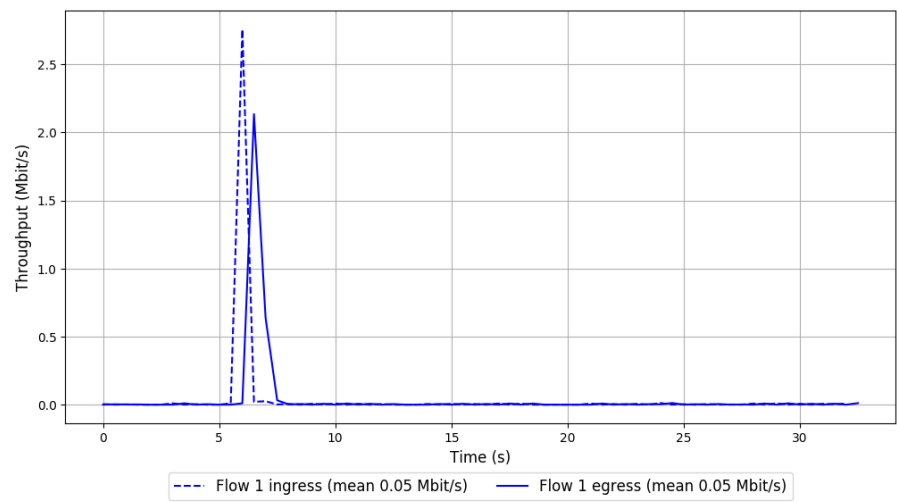
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 83.264 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-02-11 13:12:58

End at: 2019-02-11 13:13:28

Local clock offset: -4.861 ms

Remote clock offset: 4.49 ms

Below is generated by plot.py at 2019-02-11 14:13:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 86.266 ms

Loss rate: 0.00%

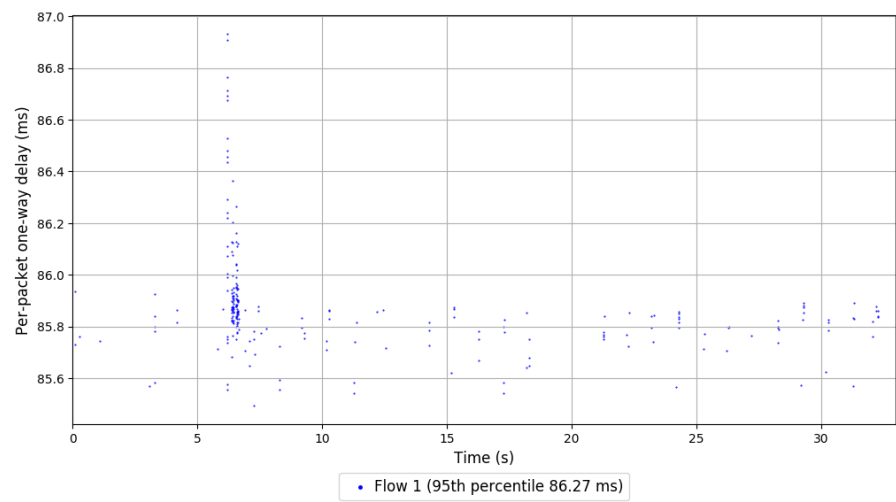
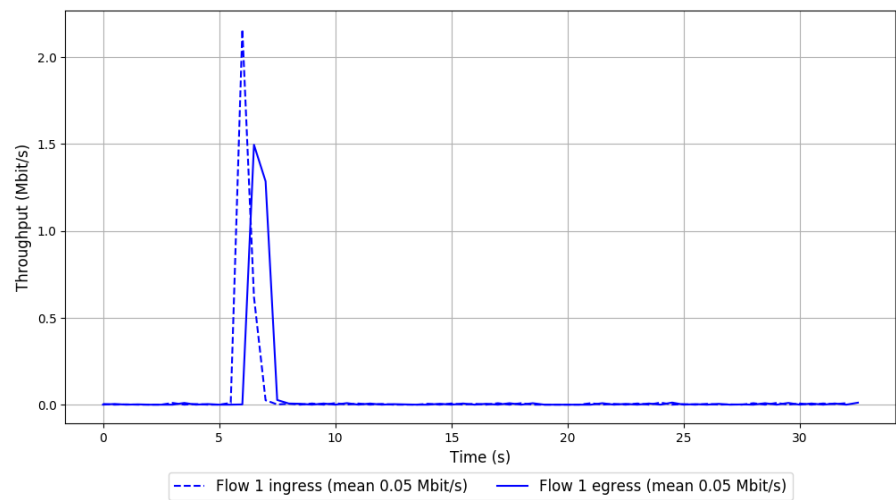
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 86.266 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-02-11 13:37:45

End at: 2019-02-11 13:38:15

Local clock offset: -4.618 ms

Remote clock offset: 1.987 ms

Below is generated by plot.py at 2019-02-11 14:13:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 81.974 ms

Loss rate: 0.00%

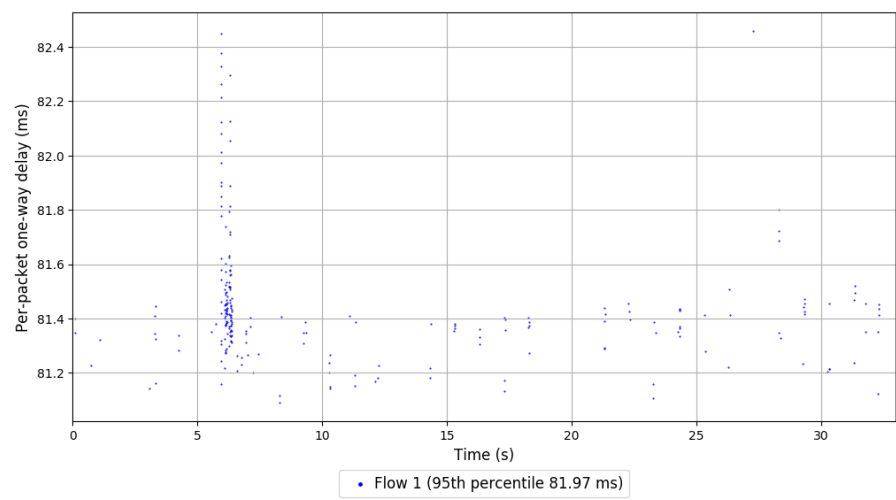
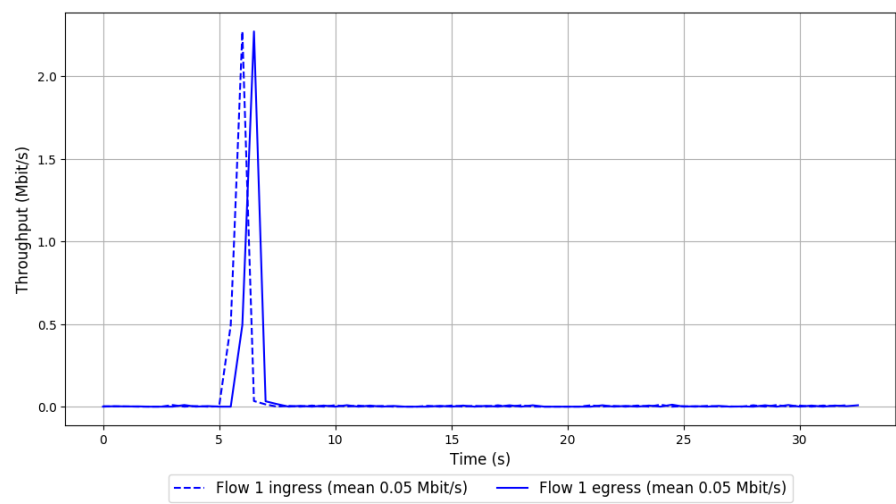
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 81.974 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-02-11 14:02:34

End at: 2019-02-11 14:03:04

Local clock offset: -3.078 ms

Remote clock offset: 6.124 ms

Below is generated by plot.py at 2019-02-11 14:13:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 87.599 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 87.599 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

