

Pantheon Report

Generated at 2019-01-21 07:06:33 (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:

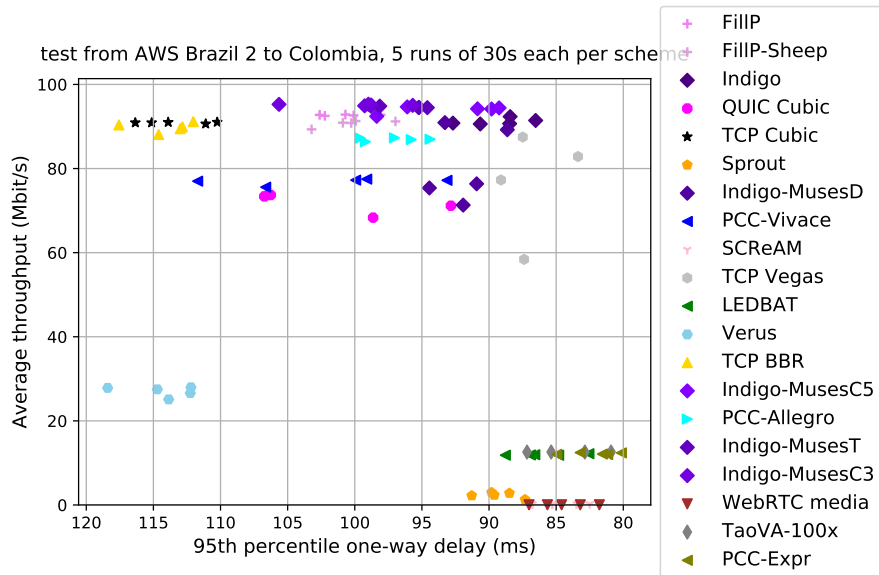
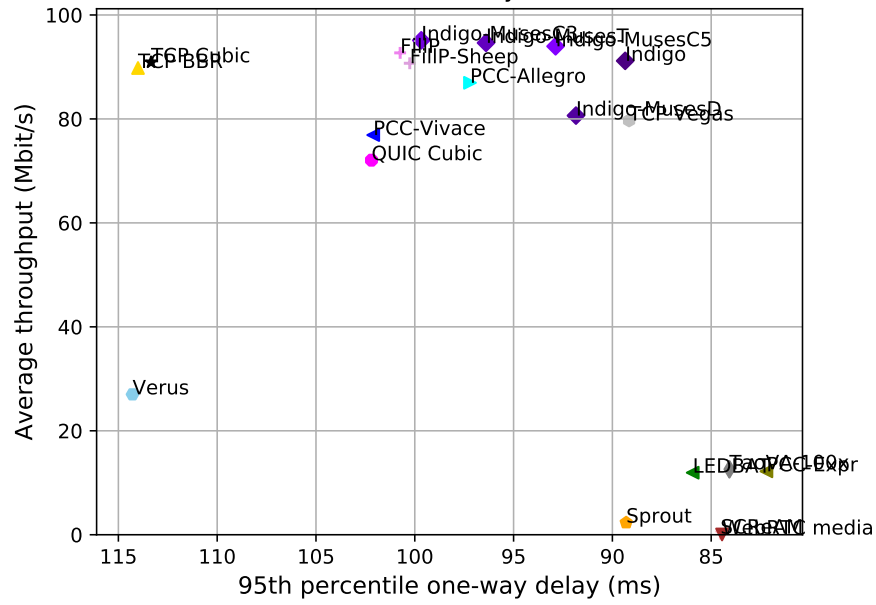
```
Linux 4.15.0-1031-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

```
branch: muses @ 89d24e57783e7fbfec537a619071de937b639e38
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 1ddcff131048c6962f123bcd22b4d166a422adde
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	89.80	114.01	3.15
Copa	0	N/A	N/A	N/A
TCP Cubic	5	90.90	113.35	0.45
FillP	5	92.71	100.74	1.24
FillP-Sheep	5	90.71	100.25	1.20
Indigo	5	91.17	89.35	1.08
Indigo-MusesC3	5	95.12	99.67	0.34
Indigo-MusesC5	5	93.97	92.88	0.09
Indigo-MusesD	5	80.64	91.84	0.00
Indigo-MusesT	5	94.63	96.40	2.95
LEDBAT	5	11.94	85.94	0.00
PCC-Allegro	5	86.95	97.20	1.50
PCC-Expr	5	12.20	82.21	49.15
QUIC Cubic	5	72.06	102.19	0.34
SCReAM	5	0.22	84.53	0.00
Sprout	5	2.33	89.30	0.00
TaoVA-100x	4	12.59	84.08	33.20
TCP Vegas	5	79.70	89.15	0.63
Verus	5	27.01	114.29	15.16
PCC-Vivace	5	76.90	102.10	0.07
WebRTC media	5	0.05	84.45	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-01-21 05:09:46

End at: 2019-01-21 05:10:16

Local clock offset: -7.107 ms

Remote clock offset: 6.976 ms

Below is generated by plot.py at 2019-01-21 06:58:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.09 Mbit/s

95th percentile per-packet one-way delay: 114.611 ms

Loss rate: 3.53%

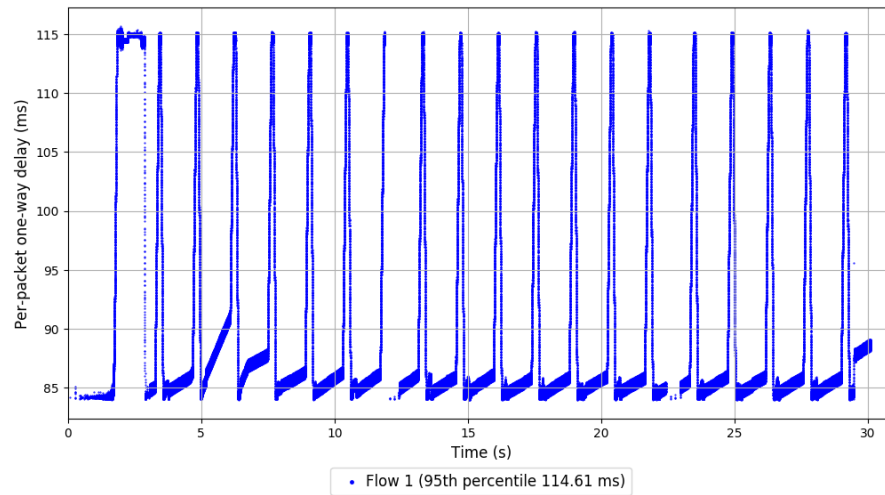
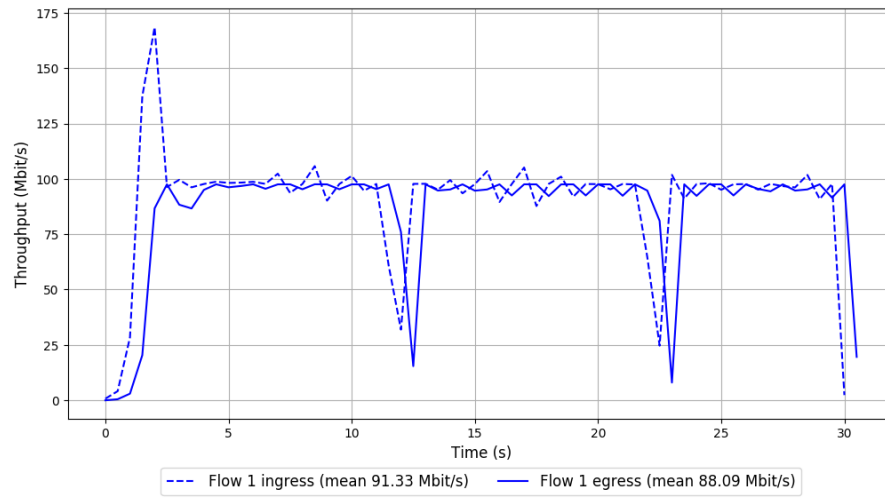
-- Flow 1:

Average throughput: 88.09 Mbit/s

95th percentile per-packet one-way delay: 114.611 ms

Loss rate: 3.53%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-01-21 05:34:25

End at: 2019-01-21 05:34:55

Local clock offset: -1.412 ms

Remote clock offset: 3.574 ms

Below is generated by plot.py at 2019-01-21 06:58:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.91 Mbit/s

95th percentile per-packet one-way delay: 112.836 ms

Loss rate: 3.11%

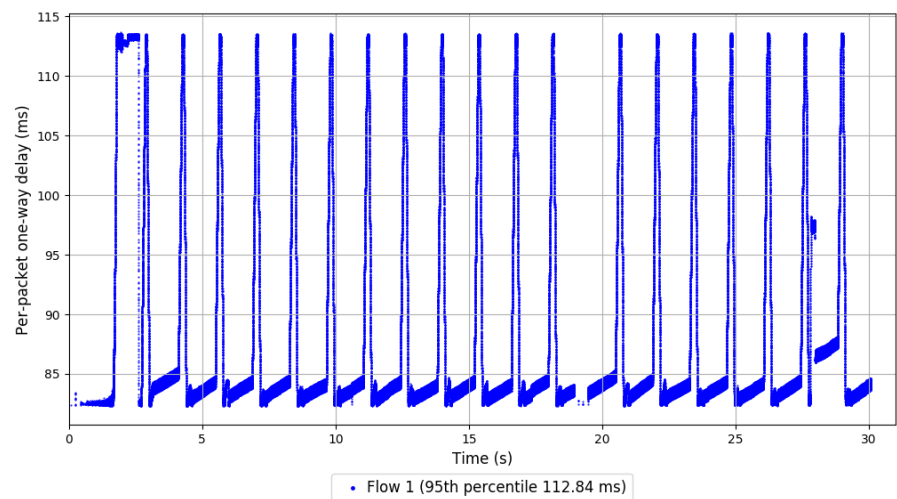
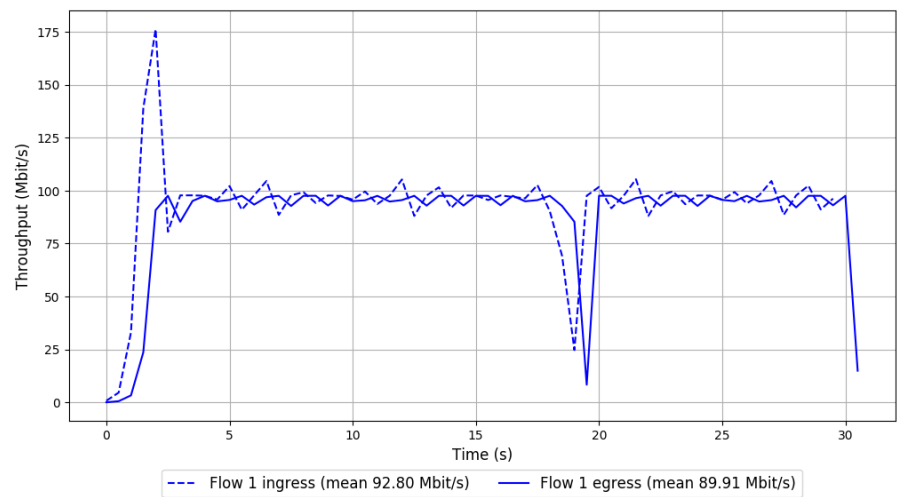
-- Flow 1:

Average throughput: 89.91 Mbit/s

95th percentile per-packet one-way delay: 112.836 ms

Loss rate: 3.11%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-01-21 05:59:04

End at: 2019-01-21 05:59:34

Local clock offset: -4.385 ms

Remote clock offset: 3.081 ms

Below is generated by plot.py at 2019-01-21 06:58:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.15 Mbit/s

95th percentile per-packet one-way delay: 112.026 ms

Loss rate: 2.35%

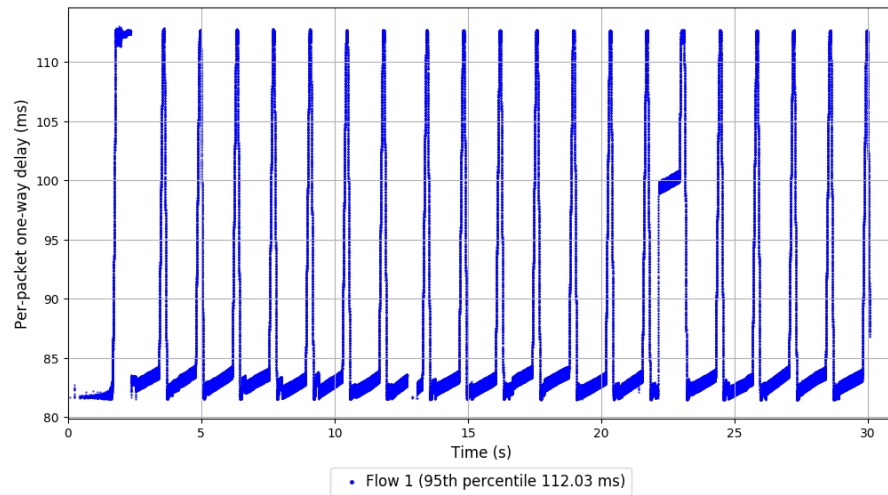
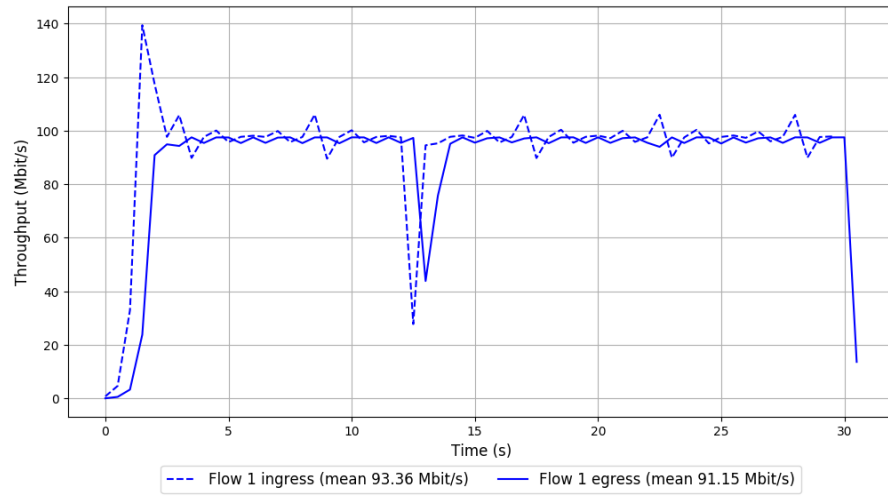
-- Flow 1:

Average throughput: 91.15 Mbit/s

95th percentile per-packet one-way delay: 112.026 ms

Loss rate: 2.35%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-01-21 06:23:43

End at: 2019-01-21 06:24:13

Local clock offset: -6.56 ms

Remote clock offset: 3.366 ms

Below is generated by plot.py at 2019-01-21 06:58:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.48 Mbit/s

95th percentile per-packet one-way delay: 112.995 ms

Loss rate: 3.48%

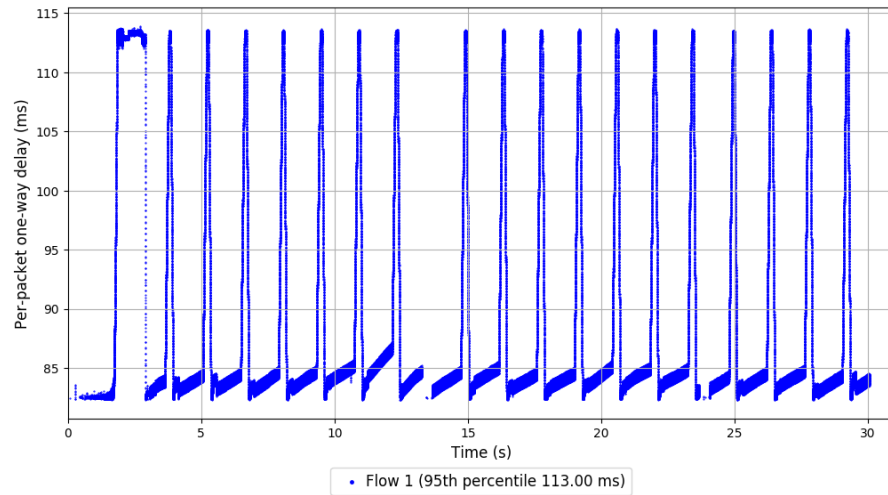
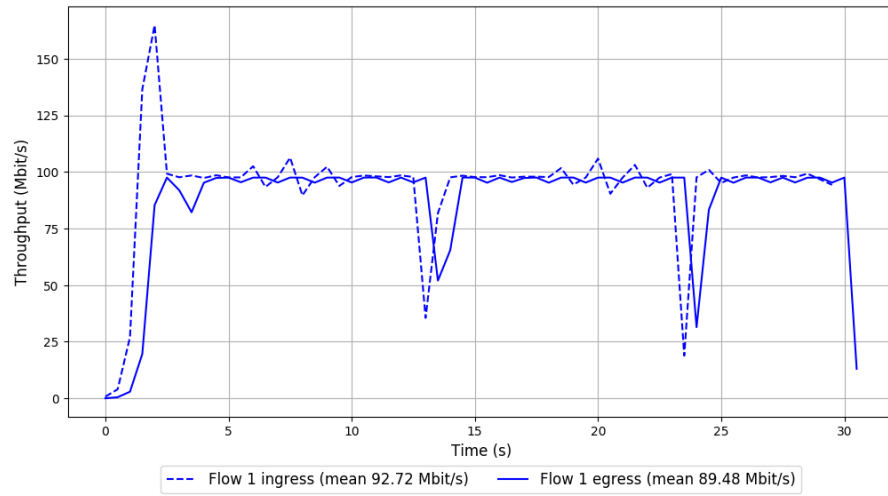
-- Flow 1:

Average throughput: 89.48 Mbit/s

95th percentile per-packet one-way delay: 112.995 ms

Loss rate: 3.48%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-01-21 06:48:21

End at: 2019-01-21 06:48:51

Local clock offset: -6.764 ms

Remote clock offset: 7.598 ms

Below is generated by plot.py at 2019-01-21 06:58:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.37 Mbit/s

95th percentile per-packet one-way delay: 117.566 ms

Loss rate: 3.26%

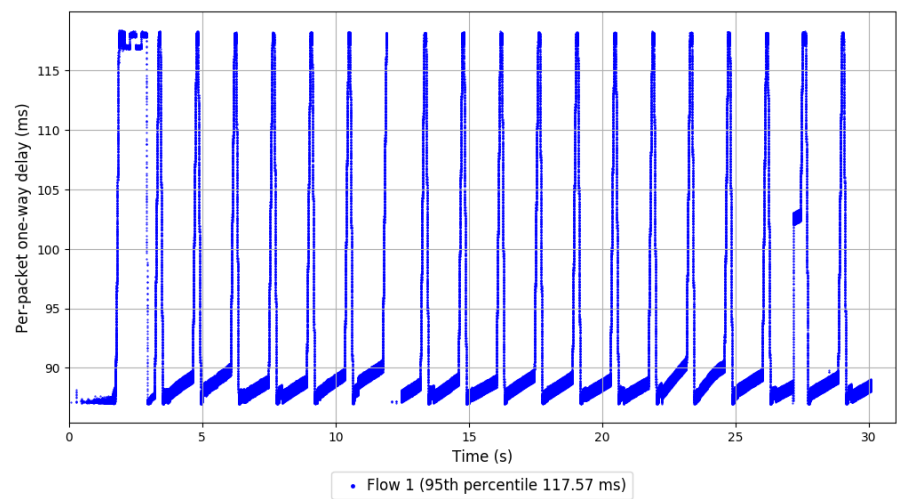
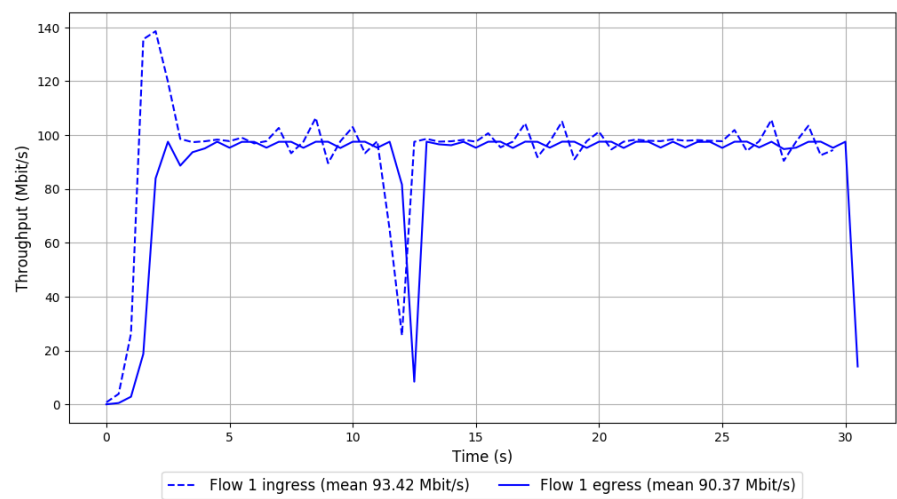
-- Flow 1:

Average throughput: 90.37 Mbit/s

95th percentile per-packet one-way delay: 117.566 ms

Loss rate: 3.26%

Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

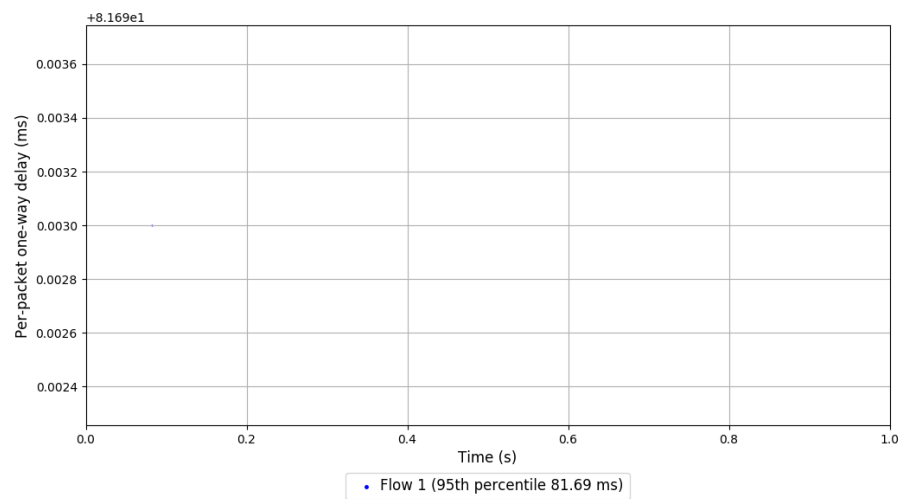
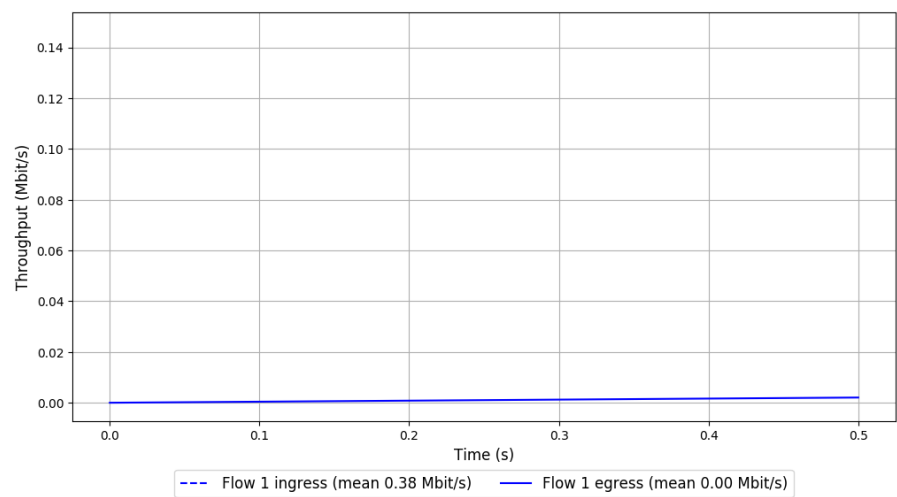
Start at: 2019-01-21 05:12:08

End at: 2019-01-21 05:12:38

Local clock offset: -7.166 ms

Remote clock offset: 3.626 ms

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

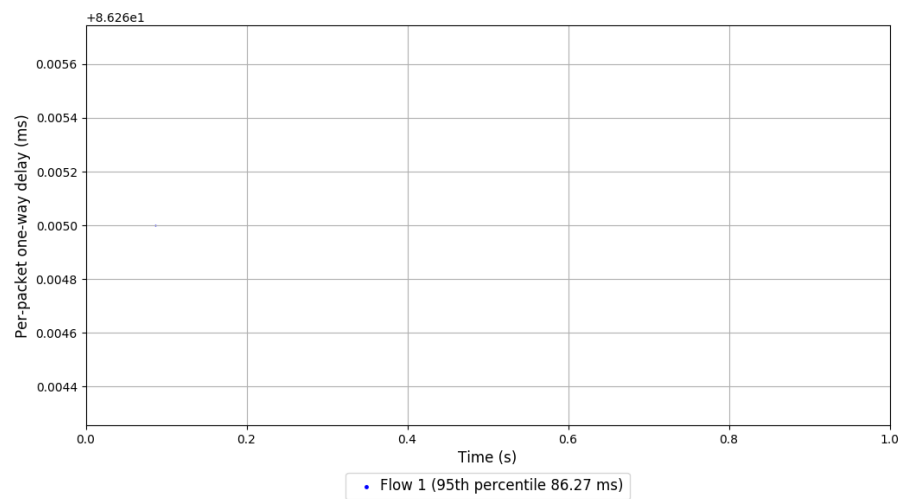
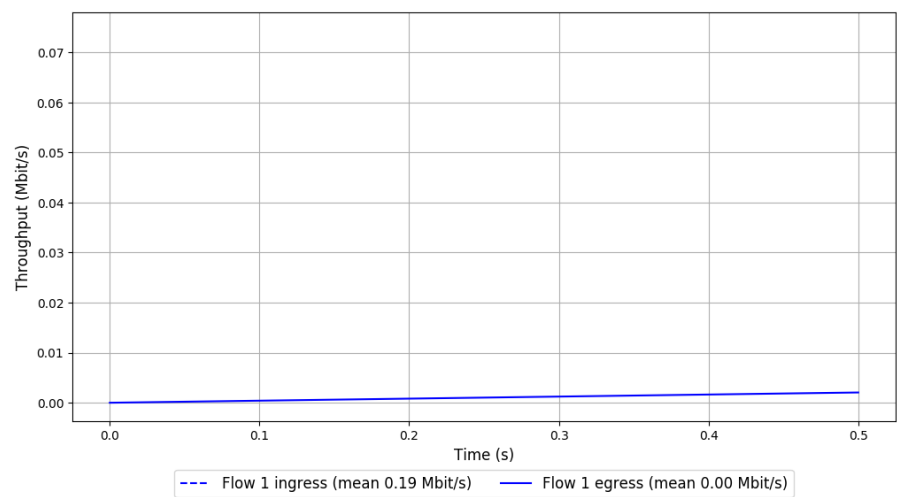
Start at: 2019-01-21 05:36:49

End at: 2019-01-21 05:37:19

Local clock offset: -1.94 ms

Remote clock offset: 6.636 ms

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

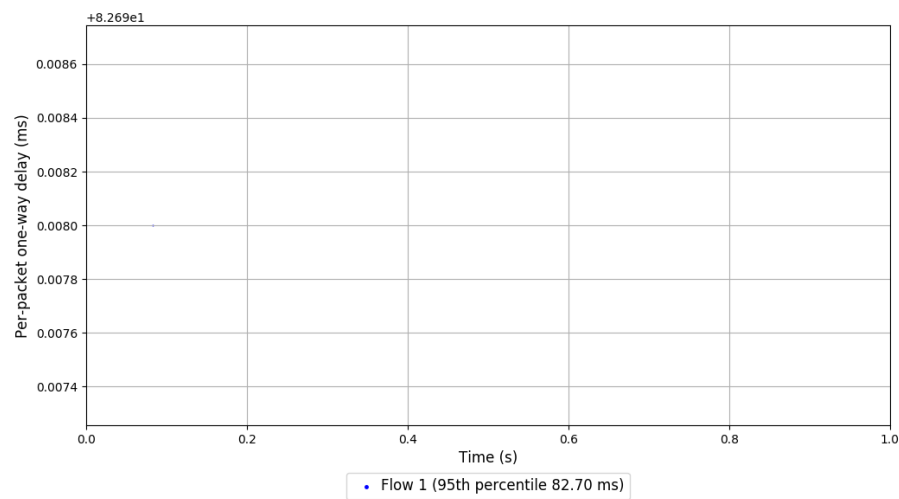
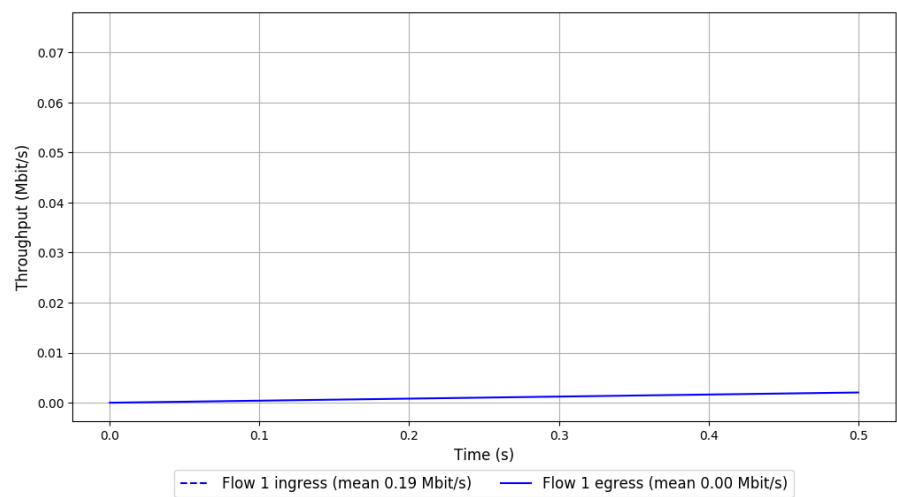
Start at: 2019-01-21 06:01:27

End at: 2019-01-21 06:01:57

Local clock offset: -5.538 ms

Remote clock offset: 3.329 ms

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

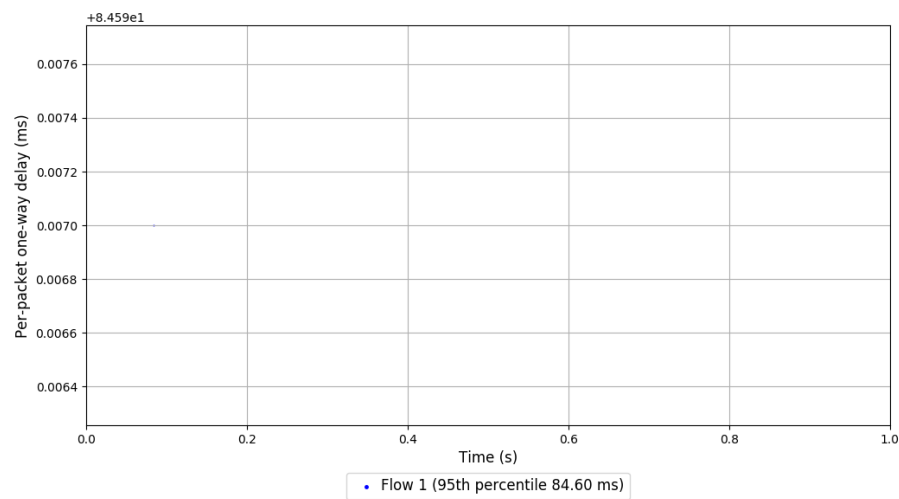
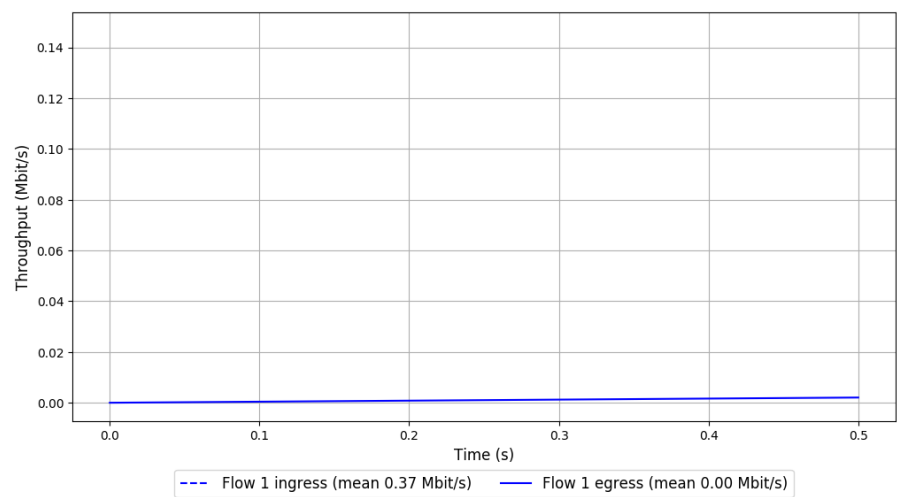
Start at: 2019-01-21 06:26:06

End at: 2019-01-21 06:26:36

Local clock offset: -6.512 ms

Remote clock offset: 7.108 ms

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

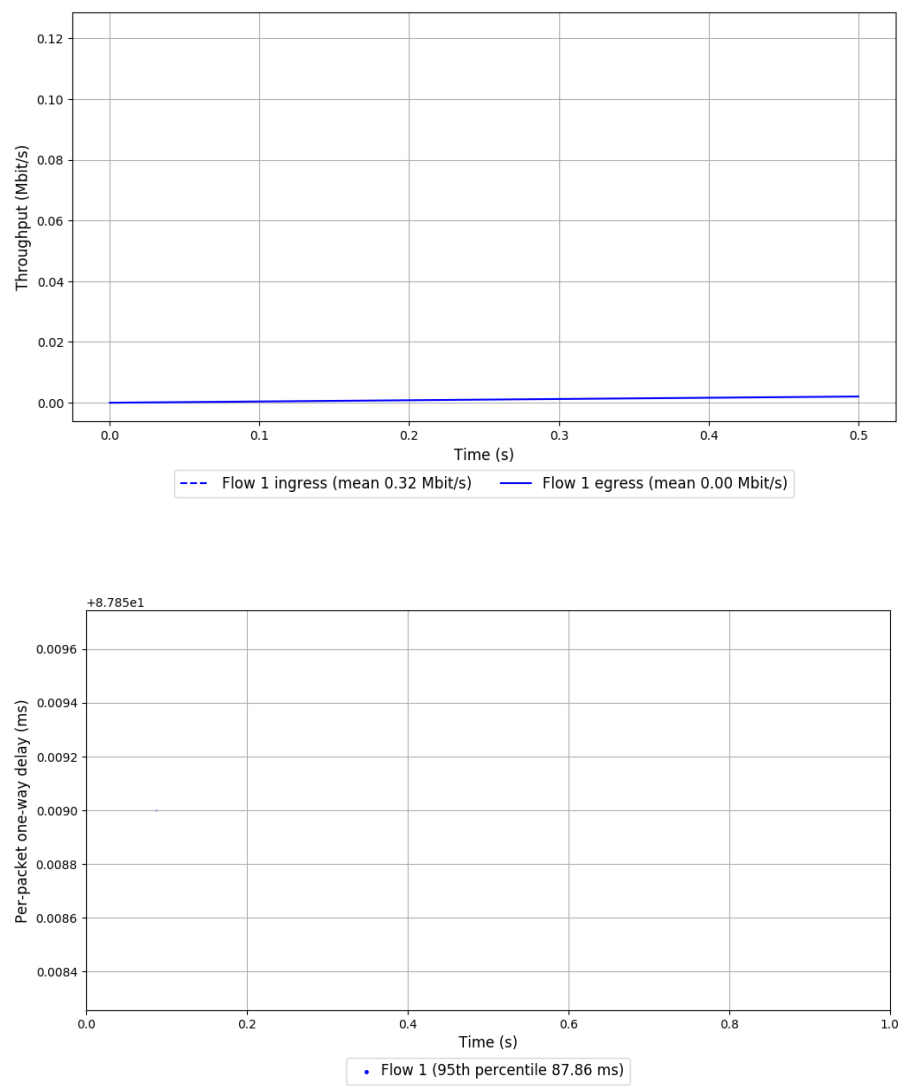
Start at: 2019-01-21 06:50:45

End at: 2019-01-21 06:51:15

Local clock offset: -6.747 ms

Remote clock offset: 6.904 ms

Run 5: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2019-01-21 05:01:32

End at: 2019-01-21 05:02:02

Local clock offset: -6.893 ms

Remote clock offset: 7.083 ms

Below is generated by plot.py at 2019-01-21 06:58:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.90 Mbit/s

95th percentile per-packet one-way delay: 115.131 ms

Loss rate: 0.45%

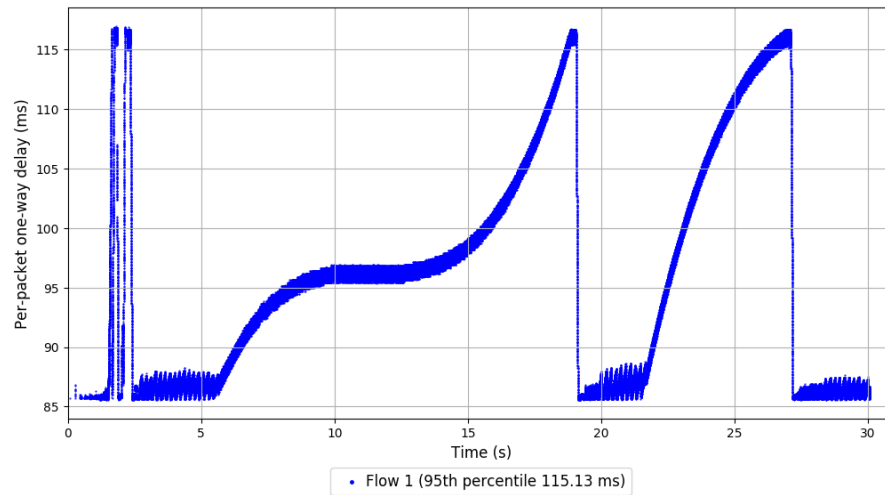
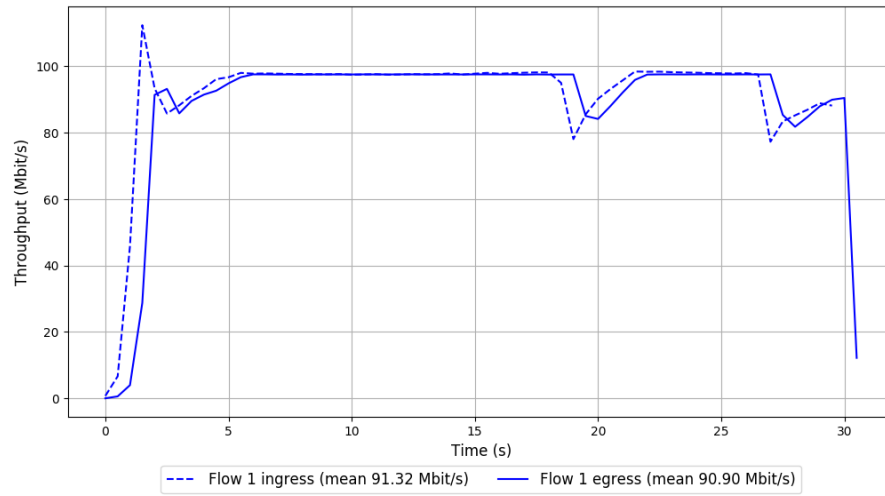
-- Flow 1:

Average throughput: 90.90 Mbit/s

95th percentile per-packet one-way delay: 115.131 ms

Loss rate: 0.45%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2019-01-21 05:26:11

End at: 2019-01-21 05:26:41

Local clock offset: -3.745 ms

Remote clock offset: 6.867 ms

Below is generated by plot.py at 2019-01-21 06:58:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.91 Mbit/s

95th percentile per-packet one-way delay: 116.347 ms

Loss rate: 0.46%

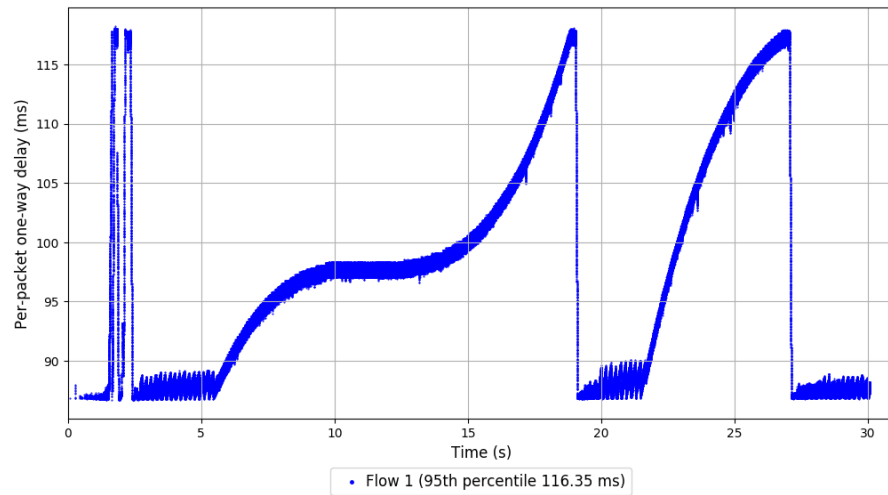
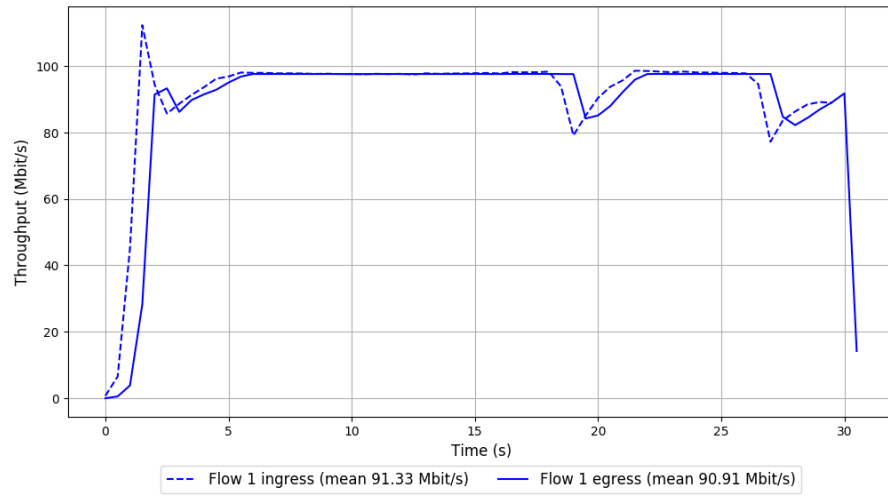
-- Flow 1:

Average throughput: 90.91 Mbit/s

95th percentile per-packet one-way delay: 116.347 ms

Loss rate: 0.46%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2019-01-21 05:50:50

End at: 2019-01-21 05:51:20

Local clock offset: -2.367 ms

Remote clock offset: 3.207 ms

Below is generated by plot.py at 2019-01-21 06:58:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.63 Mbit/s

95th percentile per-packet one-way delay: 111.106 ms

Loss rate: 0.46%

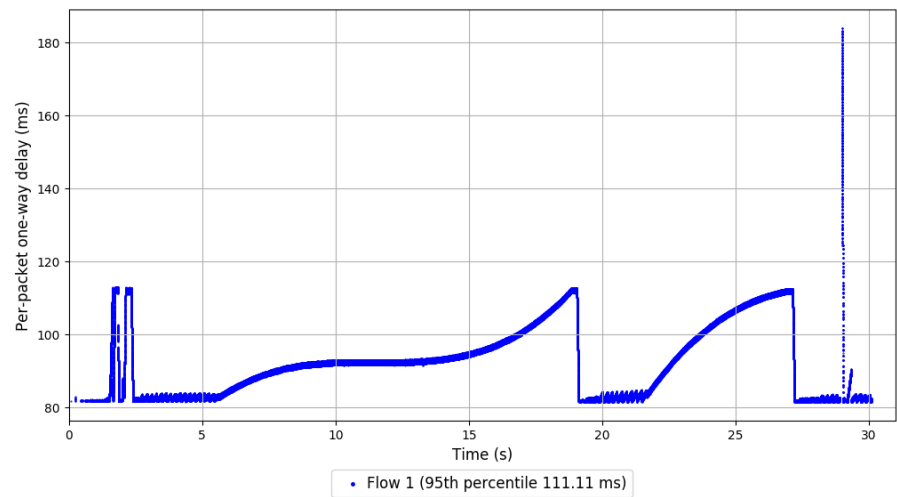
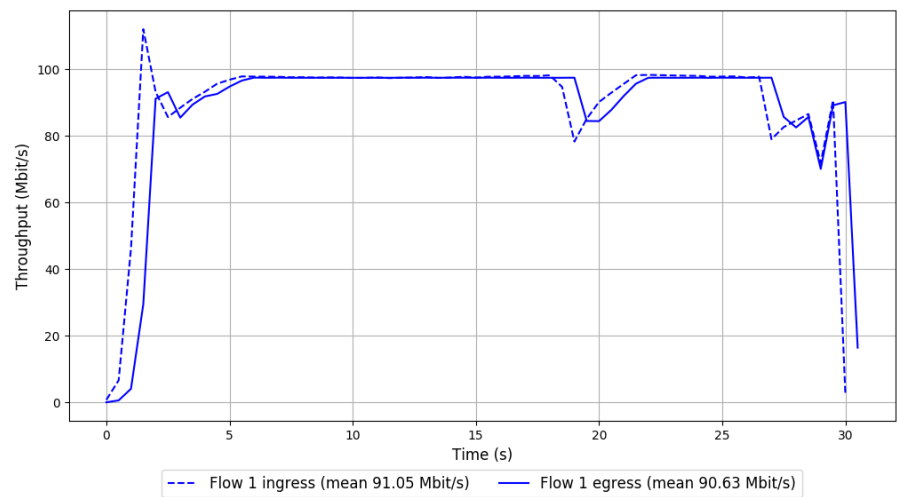
-- Flow 1:

Average throughput: 90.63 Mbit/s

95th percentile per-packet one-way delay: 111.106 ms

Loss rate: 0.46%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2019-01-21 06:15:29

End at: 2019-01-21 06:15:59

Local clock offset: -6.603 ms

Remote clock offset: 6.743 ms

Below is generated by plot.py at 2019-01-21 06:59:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.01 Mbit/s

95th percentile per-packet one-way delay: 113.897 ms

Loss rate: 0.44%

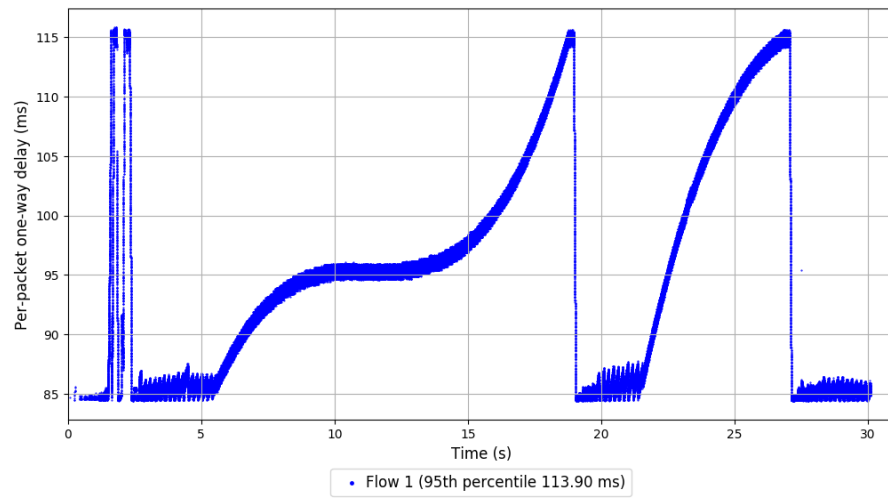
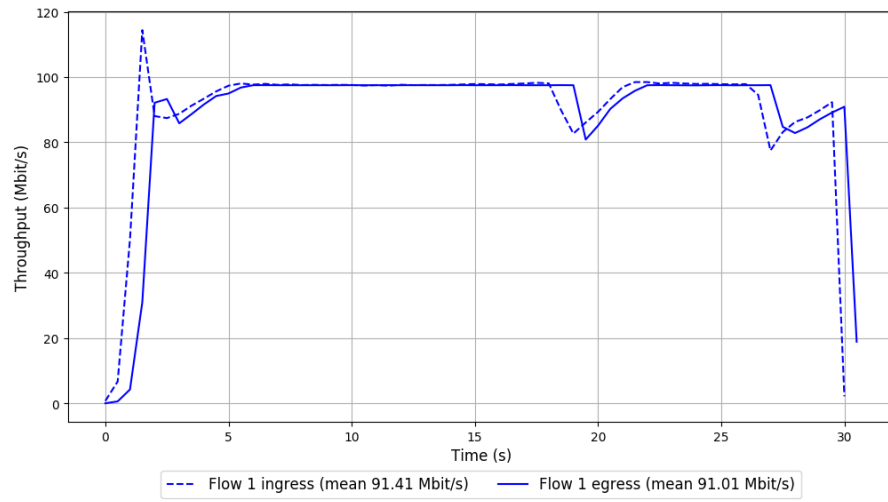
-- Flow 1:

Average throughput: 91.01 Mbit/s

95th percentile per-packet one-way delay: 113.897 ms

Loss rate: 0.44%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2019-01-21 06:40:08

End at: 2019-01-21 06:40:38

Local clock offset: -6.731 ms

Remote clock offset: 3.439 ms

Below is generated by plot.py at 2019-01-21 06:59:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.03 Mbit/s

95th percentile per-packet one-way delay: 110.245 ms

Loss rate: 0.44%

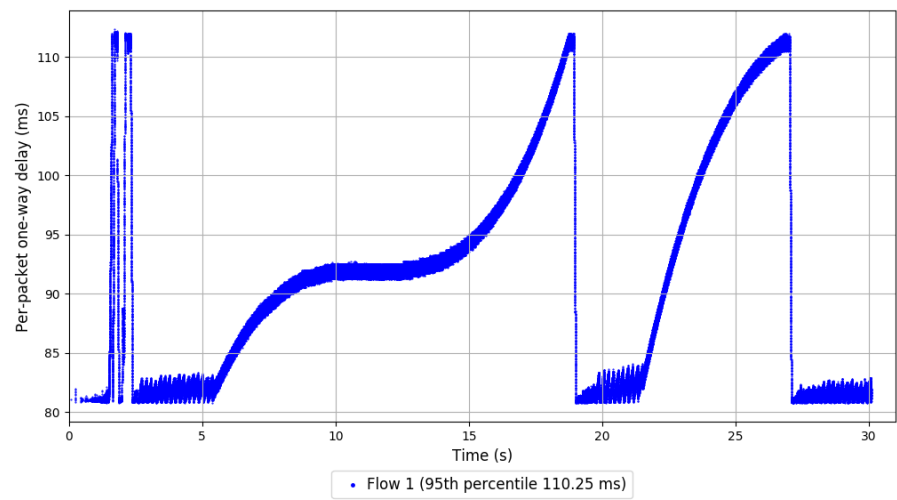
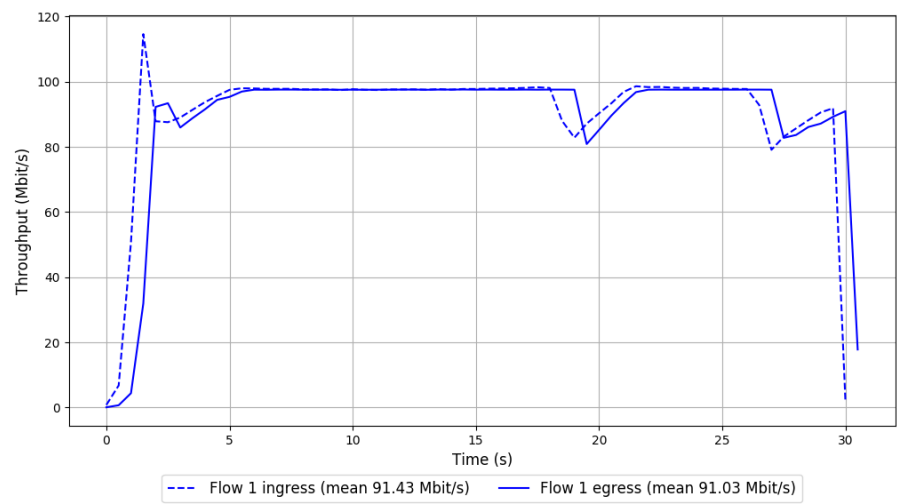
-- Flow 1:

Average throughput: 91.03 Mbit/s

95th percentile per-packet one-way delay: 110.245 ms

Loss rate: 0.44%

Run 5: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2019-01-21 05:14:24

End at: 2019-01-21 05:14:54

Local clock offset: -7.149 ms

Remote clock offset: 2.869 ms

Below is generated by plot.py at 2019-01-21 06:59:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.79 Mbit/s

95th percentile per-packet one-way delay: 98.070 ms

Loss rate: 1.00%

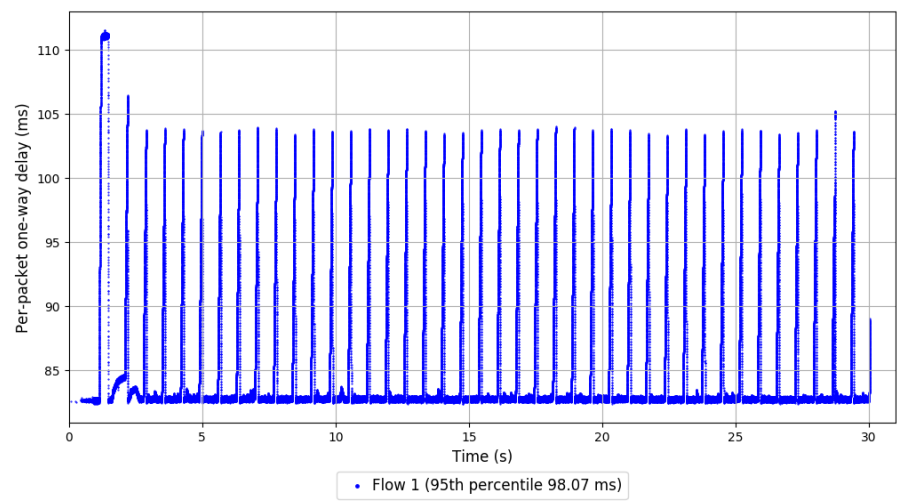
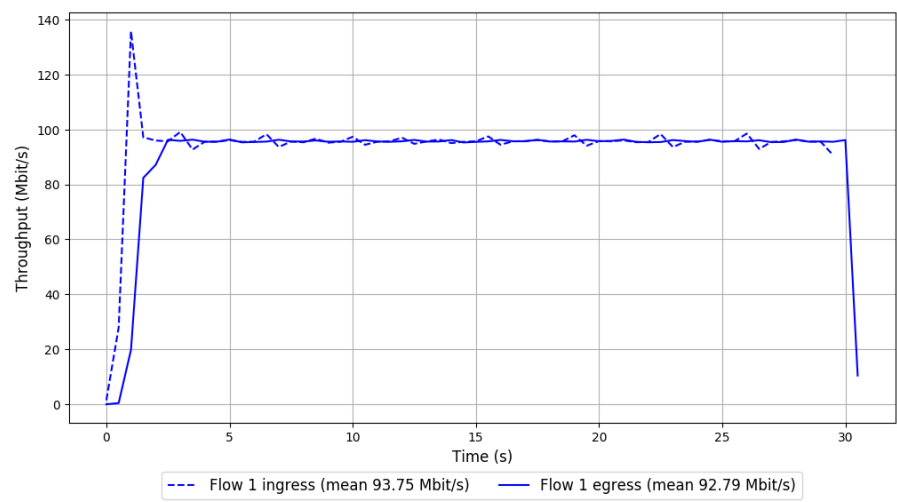
-- Flow 1:

Average throughput: 92.79 Mbit/s

95th percentile per-packet one-way delay: 98.070 ms

Loss rate: 1.00%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2019-01-21 05:39:05

End at: 2019-01-21 05:39:35

Local clock offset: -1.717 ms

Remote clock offset: 6.603 ms

Below is generated by plot.py at 2019-01-21 06:59:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.83 Mbit/s

95th percentile per-packet one-way delay: 100.698 ms

Loss rate: 0.99%

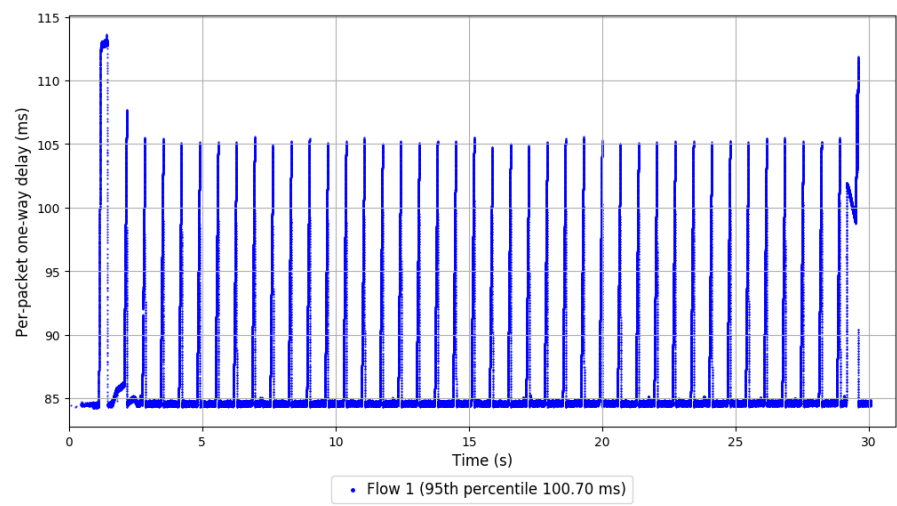
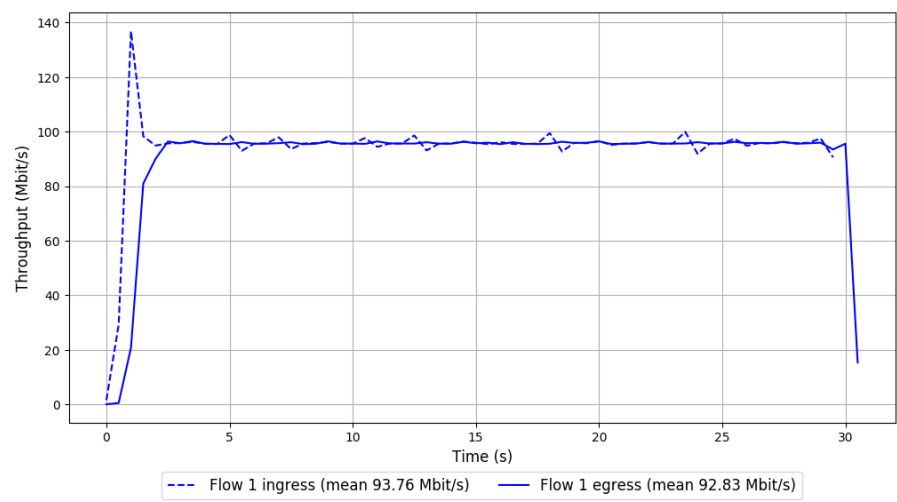
-- Flow 1:

Average throughput: 92.83 Mbit/s

95th percentile per-packet one-way delay: 100.698 ms

Loss rate: 0.99%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2019-01-21 06:03:44

End at: 2019-01-21 06:04:14

Local clock offset: -5.788 ms

Remote clock offset: 7.567 ms

Below is generated by plot.py at 2019-01-21 06:59:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.77 Mbit/s

95th percentile per-packet one-way delay: 102.616 ms

Loss rate: 0.98%

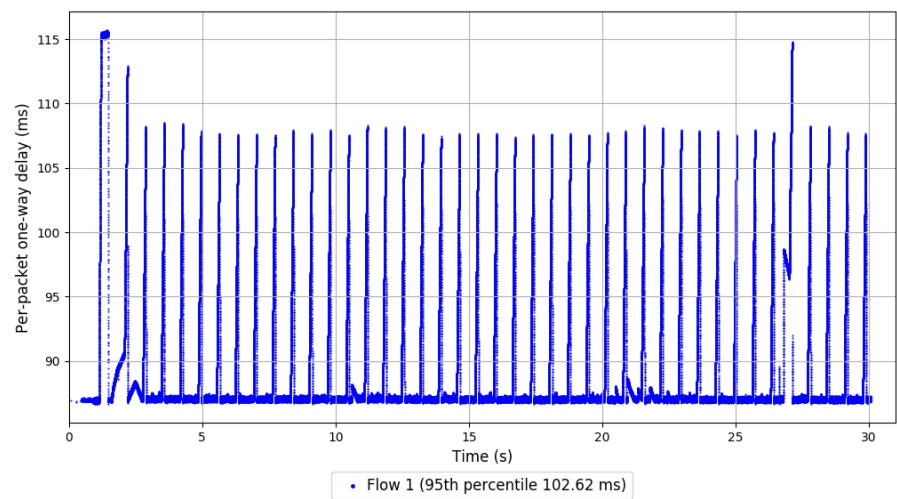
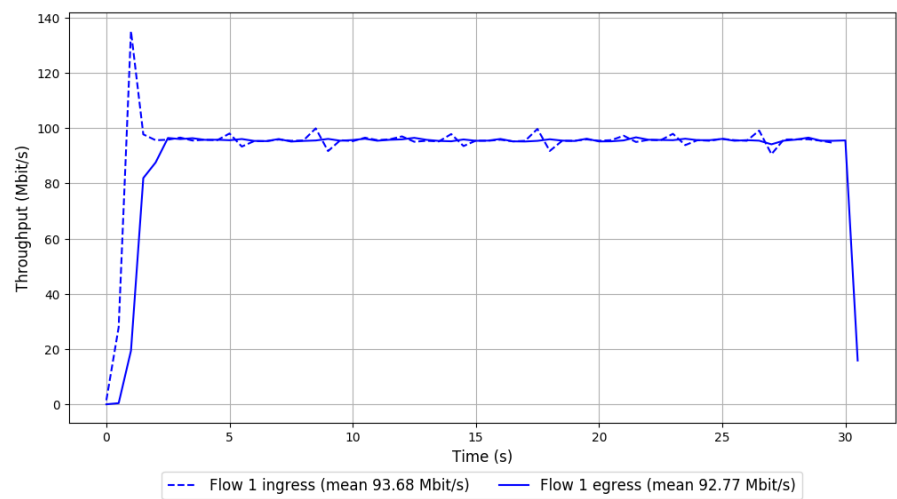
-- Flow 1:

Average throughput: 92.77 Mbit/s

95th percentile per-packet one-way delay: 102.616 ms

Loss rate: 0.98%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2019-01-21 06:28:23

End at: 2019-01-21 06:28:53

Local clock offset: -5.757 ms

Remote clock offset: 3.154 ms

Below is generated by plot.py at 2019-01-21 06:59:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.52 Mbit/s

95th percentile per-packet one-way delay: 102.229 ms

Loss rate: 2.17%

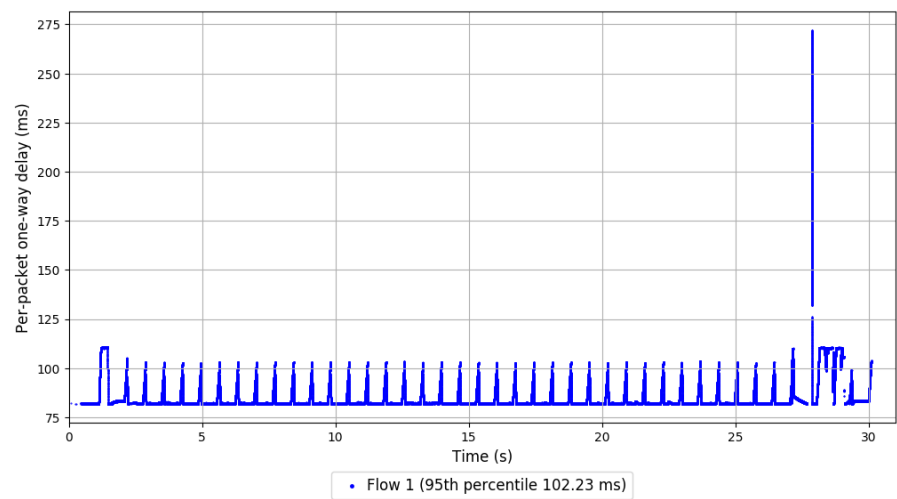
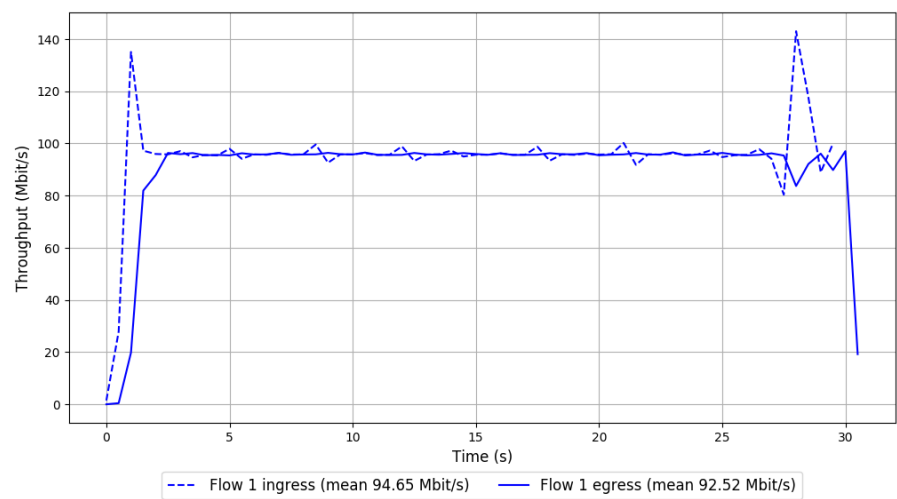
-- Flow 1:

Average throughput: 92.52 Mbit/s

95th percentile per-packet one-way delay: 102.229 ms

Loss rate: 2.17%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2019-01-21 06:53:01

End at: 2019-01-21 06:53:31

Local clock offset: -5.91 ms

Remote clock offset: 4.171 ms

Below is generated by plot.py at 2019-01-21 06:59:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.63 Mbit/s

95th percentile per-packet one-way delay: 100.086 ms

Loss rate: 1.05%

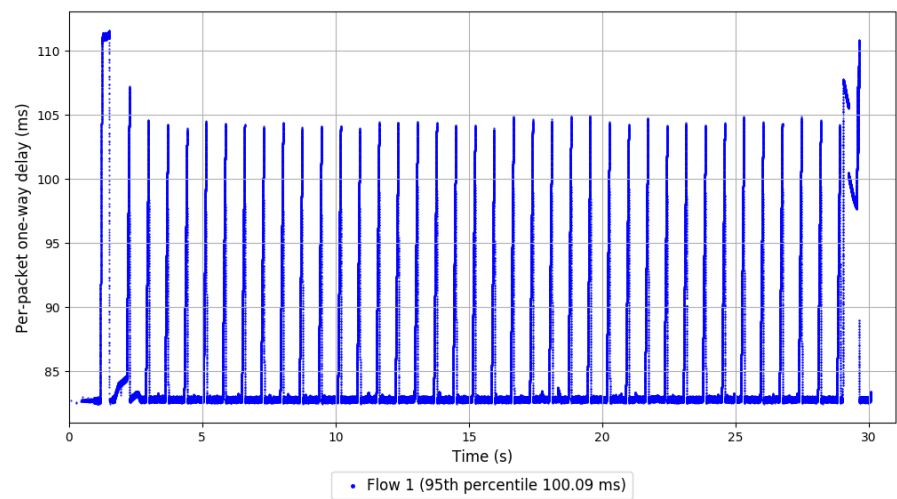
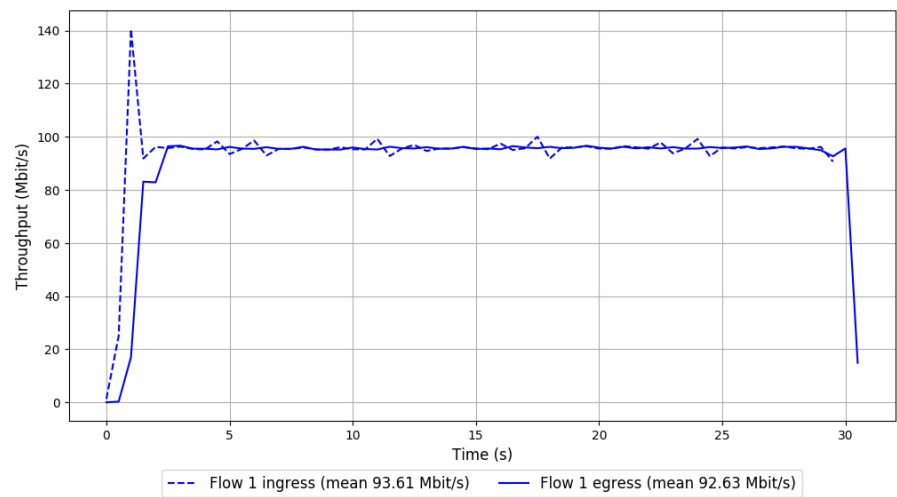
-- Flow 1:

Average throughput: 92.63 Mbit/s

95th percentile per-packet one-way delay: 100.086 ms

Loss rate: 1.05%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-01-21 05:03:51

End at: 2019-01-21 05:04:21

Local clock offset: -6.928 ms

Remote clock offset: 3.516 ms

Below is generated by plot.py at 2019-01-21 06:59:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.83 Mbit/s

95th percentile per-packet one-way delay: 100.266 ms

Loss rate: 1.10%

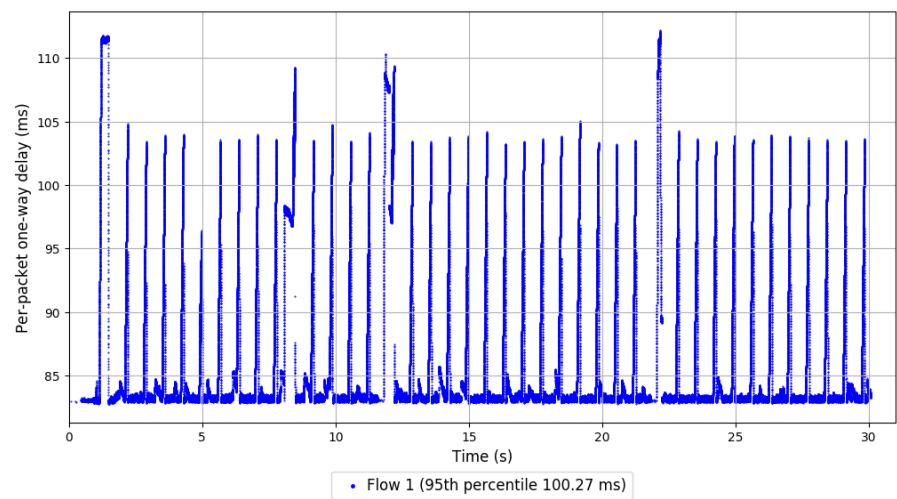
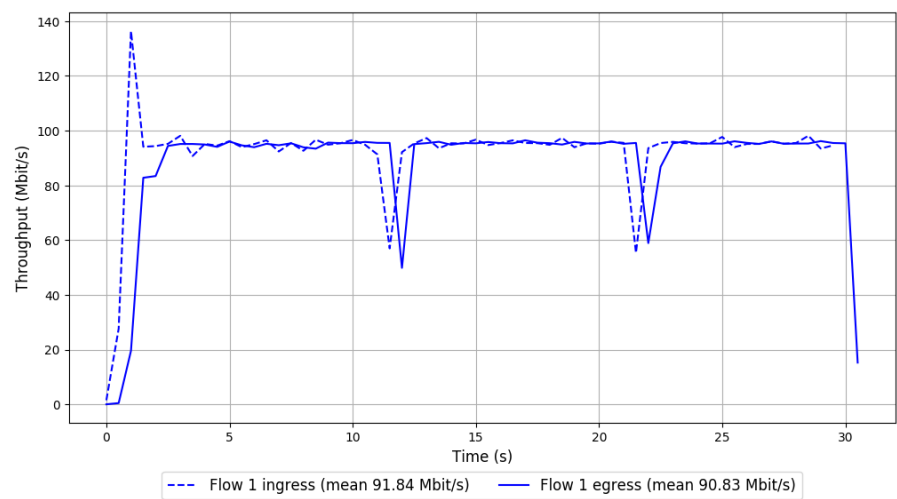
-- Flow 1:

Average throughput: 90.83 Mbit/s

95th percentile per-packet one-way delay: 100.266 ms

Loss rate: 1.10%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2019-01-21 05:28:30

End at: 2019-01-21 05:29:00

Local clock offset: -2.43 ms

Remote clock offset: 6.954 ms

Below is generated by plot.py at 2019-01-21 07:00:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.30 Mbit/s

95th percentile per-packet one-way delay: 99.931 ms

Loss rate: 1.01%

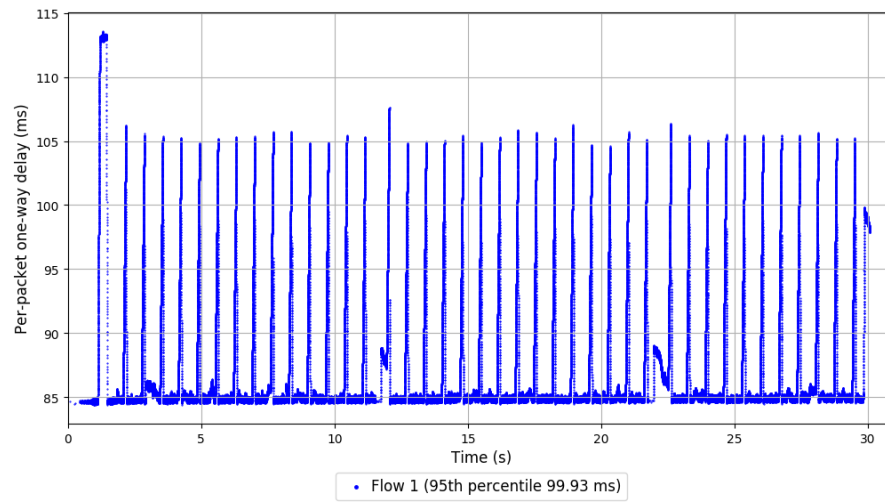
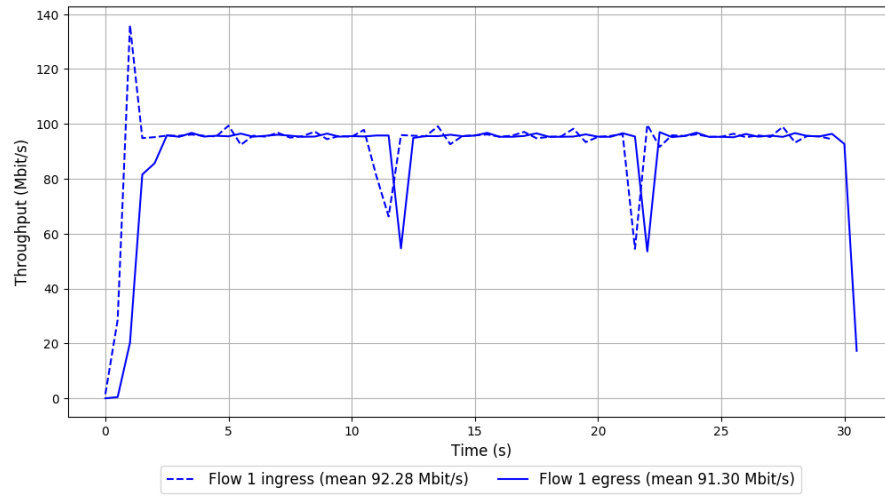
-- Flow 1:

Average throughput: 91.30 Mbit/s

95th percentile per-packet one-way delay: 99.931 ms

Loss rate: 1.01%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2019-01-21 05:53:10

End at: 2019-01-21 05:53:40

Local clock offset: -3.97 ms

Remote clock offset: 3.537 ms

Below is generated by plot.py at 2019-01-21 07:00:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.20 Mbit/s

95th percentile per-packet one-way delay: 96.967 ms

Loss rate: 0.99%

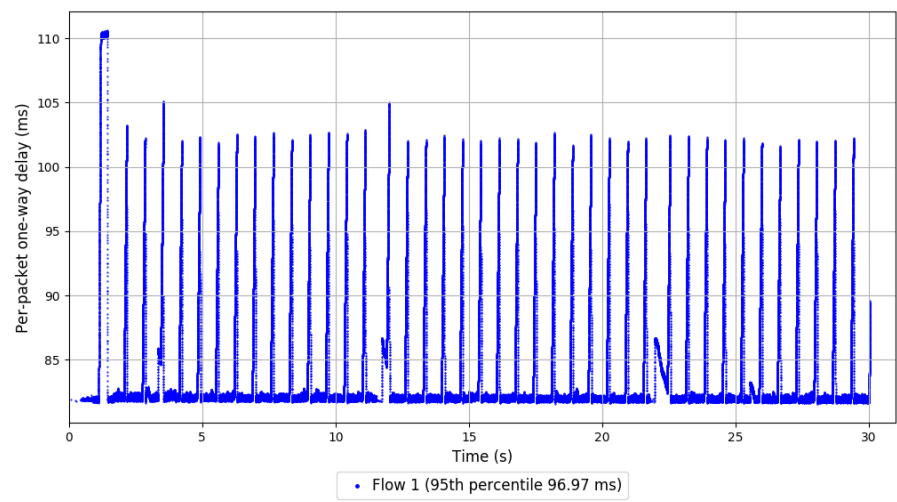
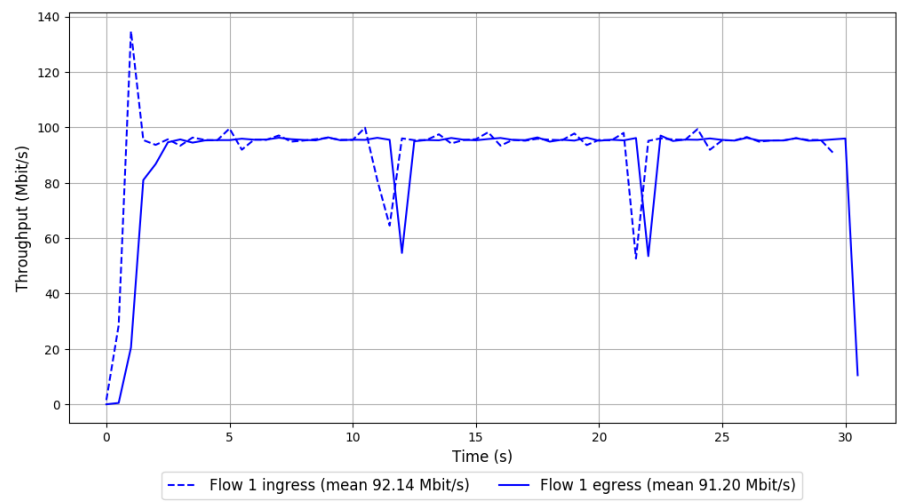
-- Flow 1:

Average throughput: 91.20 Mbit/s

95th percentile per-packet one-way delay: 96.967 ms

Loss rate: 0.99%

Run 3: Report of FillP-Sheep — Data Link

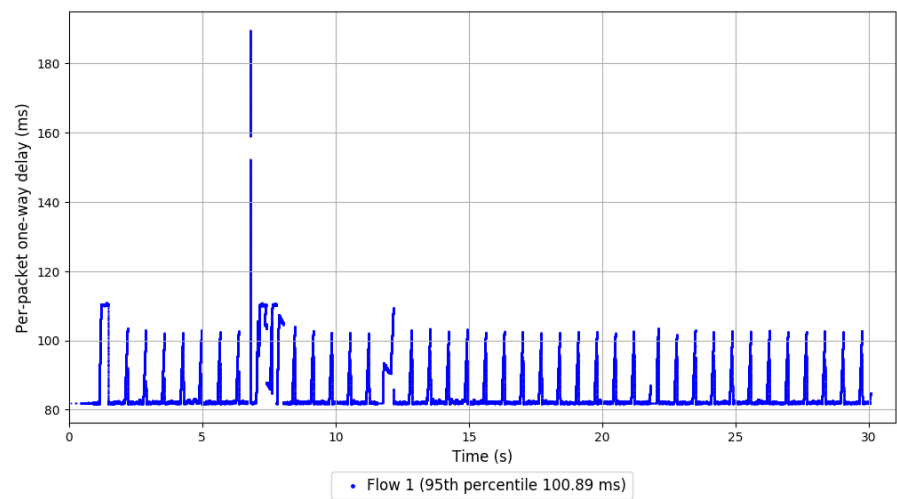
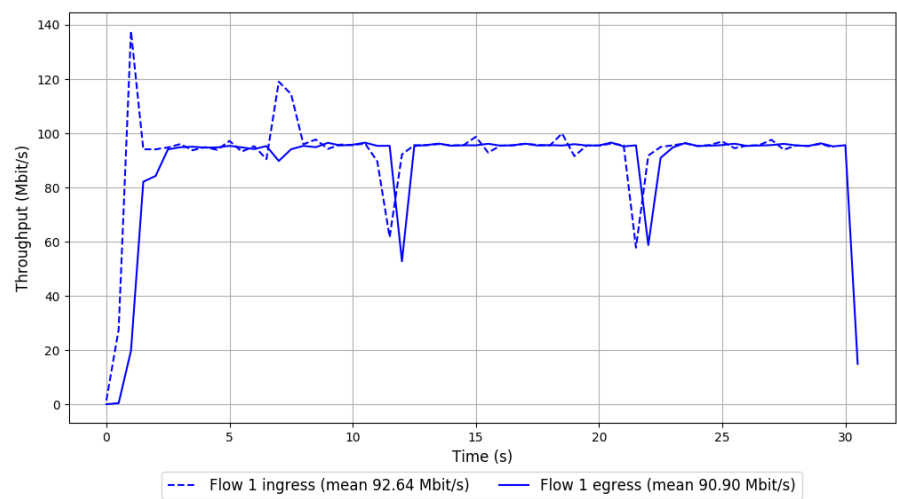


Run 4: Statistics of FillP-Sheep

Start at: 2019-01-21 06:17:48
End at: 2019-01-21 06:18:18
Local clock offset: -5.726 ms
Remote clock offset: 3.337 ms

Below is generated by plot.py at 2019-01-21 07:00:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.90 Mbit/s
95th percentile per-packet one-way delay: 100.889 ms
Loss rate: 1.87%
-- Flow 1:
Average throughput: 90.90 Mbit/s
95th percentile per-packet one-way delay: 100.889 ms
Loss rate: 1.87%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-01-21 06:42:27

End at: 2019-01-21 06:42:57

Local clock offset: -5.869 ms

Remote clock offset: 7.341 ms

Below is generated by plot.py at 2019-01-21 07:00:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.32 Mbit/s

95th percentile per-packet one-way delay: 103.218 ms

Loss rate: 1.05%

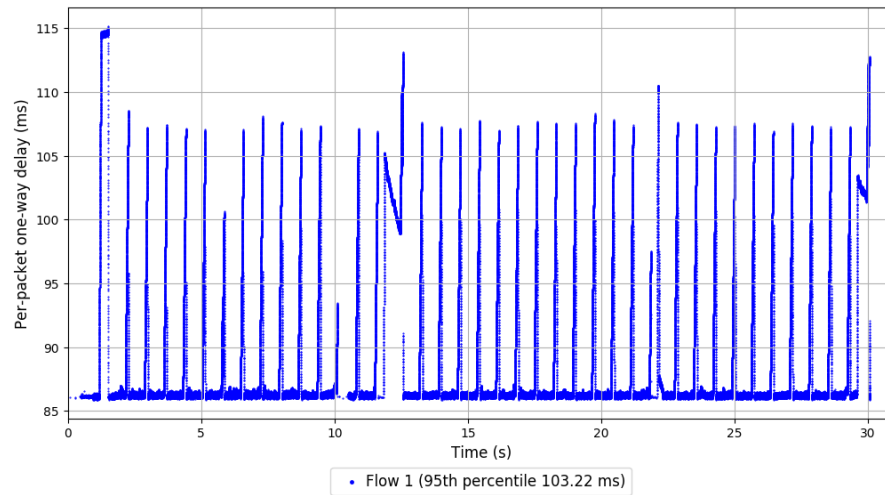
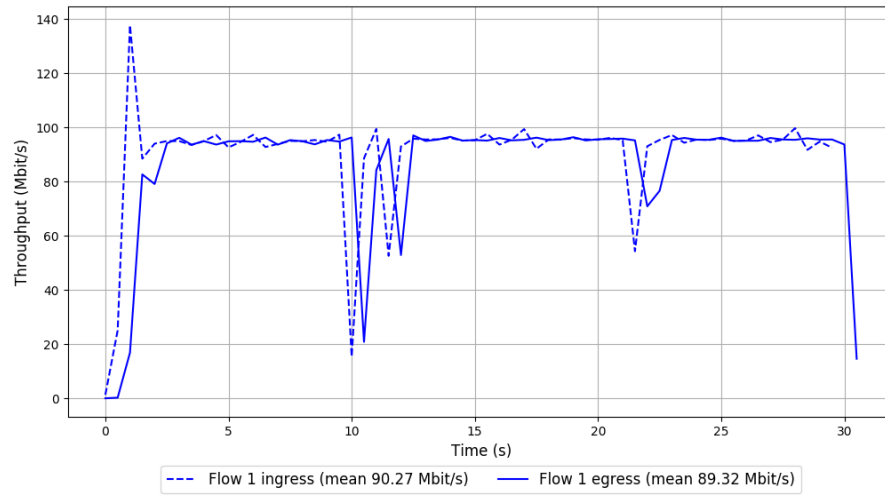
-- Flow 1:

Average throughput: 89.32 Mbit/s

95th percentile per-packet one-way delay: 103.218 ms

Loss rate: 1.05%

Run 5: Report of FillP-Sheep — Data Link

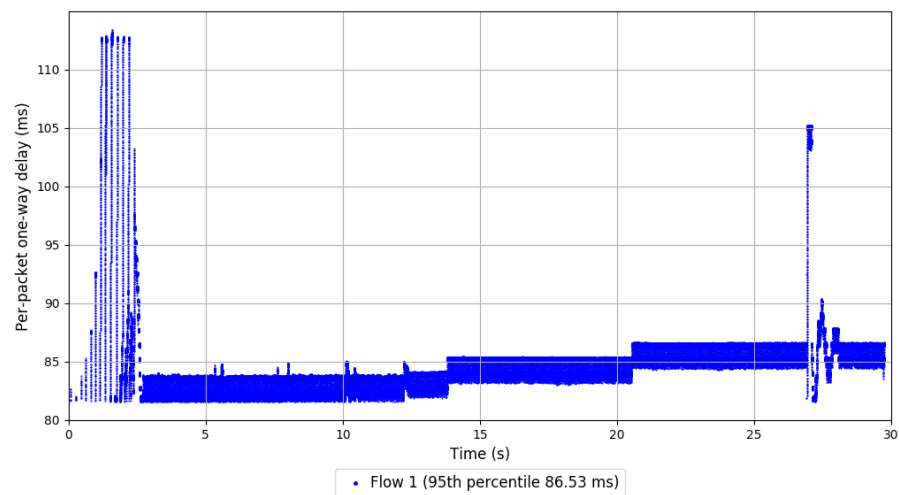
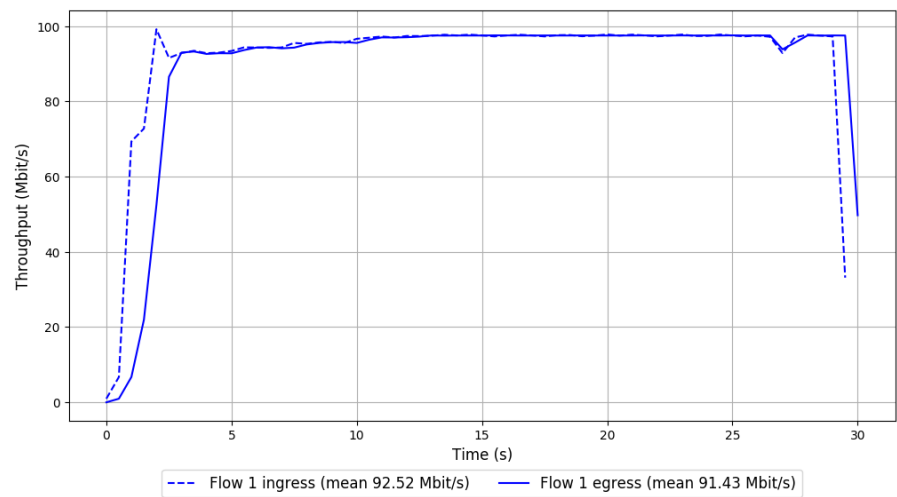


```
Run 1: Statistics of Indigo

Start at: 2019-01-21 04:55:36
End at: 2019-01-21 04:56:07
Local clock offset: -7.73 ms
Remote clock offset: 3.401 ms

# Below is generated by plot.py at 2019-01-21 07:00:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.43 Mbit/s
95th percentile per-packet one-way delay: 86.528 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 91.43 Mbit/s
95th percentile per-packet one-way delay: 86.528 ms
Loss rate: 1.16%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2019-01-21 05:20:15

End at: 2019-01-21 05:20:45

Local clock offset: -4.964 ms

Remote clock offset: 6.663 ms

Below is generated by plot.py at 2019-01-21 07:00:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.35 Mbit/s

95th percentile per-packet one-way delay: 88.428 ms

Loss rate: 0.67%

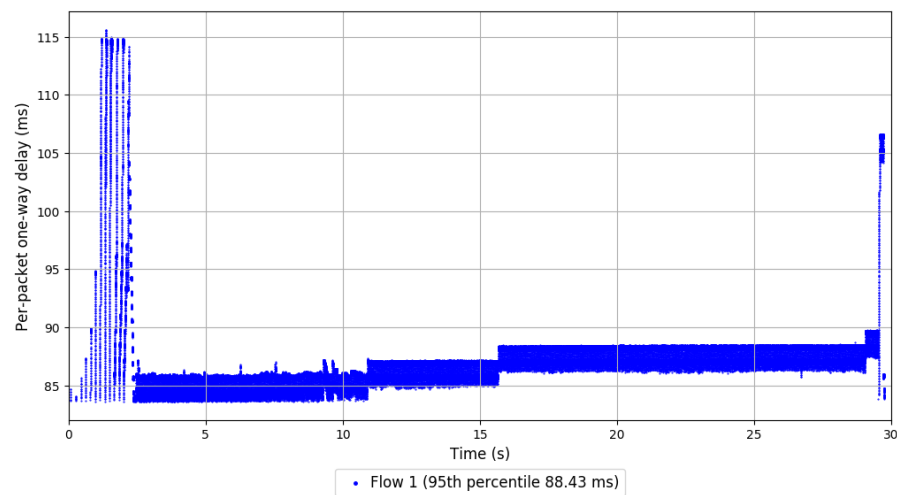
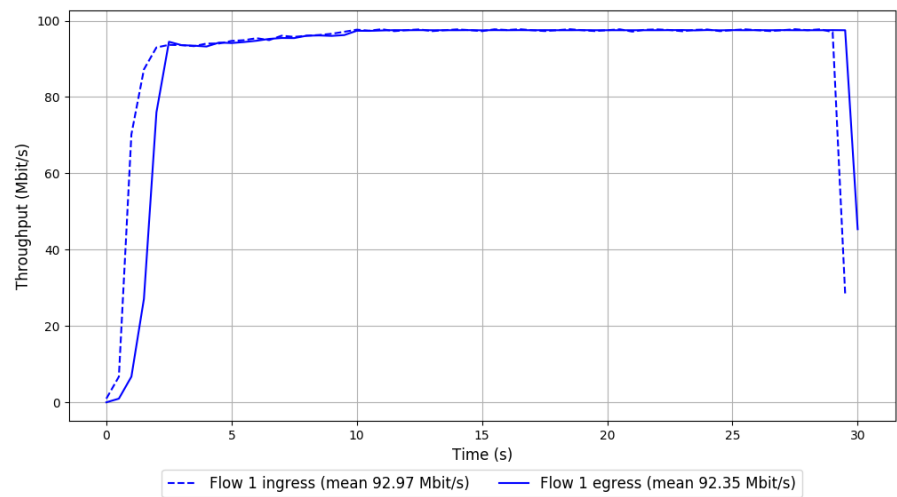
-- Flow 1:

Average throughput: 92.35 Mbit/s

95th percentile per-packet one-way delay: 88.428 ms

Loss rate: 0.67%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2019-01-21 05:44:55

End at: 2019-01-21 05:45:25

Local clock offset: -0.387 ms

Remote clock offset: 6.816 ms

Below is generated by plot.py at 2019-01-21 07:00:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.80 Mbit/s

95th percentile per-packet one-way delay: 92.691 ms

Loss rate: 1.12%

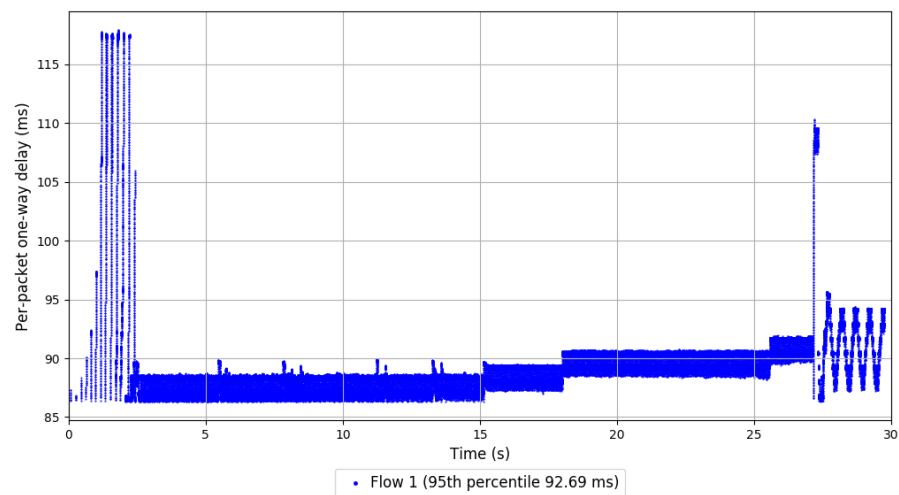
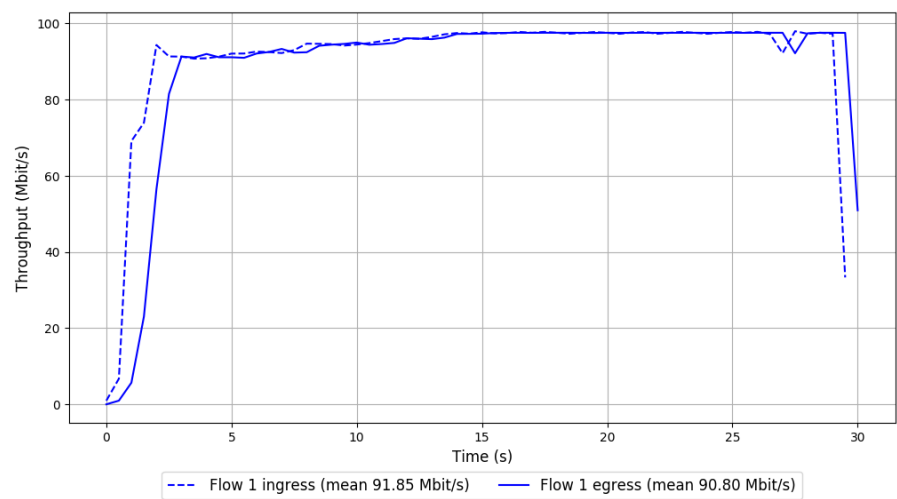
-- Flow 1:

Average throughput: 90.80 Mbit/s

95th percentile per-packet one-way delay: 92.691 ms

Loss rate: 1.12%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-01-21 06:09:34

End at: 2019-01-21 06:10:04

Local clock offset: -5.419 ms

Remote clock offset: 7.222 ms

Below is generated by plot.py at 2019-01-21 07:00:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.68 Mbit/s

95th percentile per-packet one-way delay: 88.465 ms

Loss rate: 1.14%

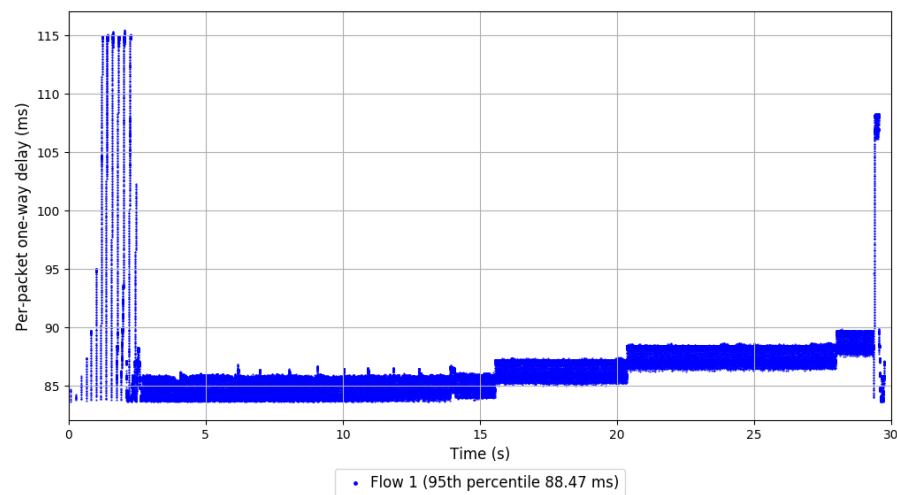
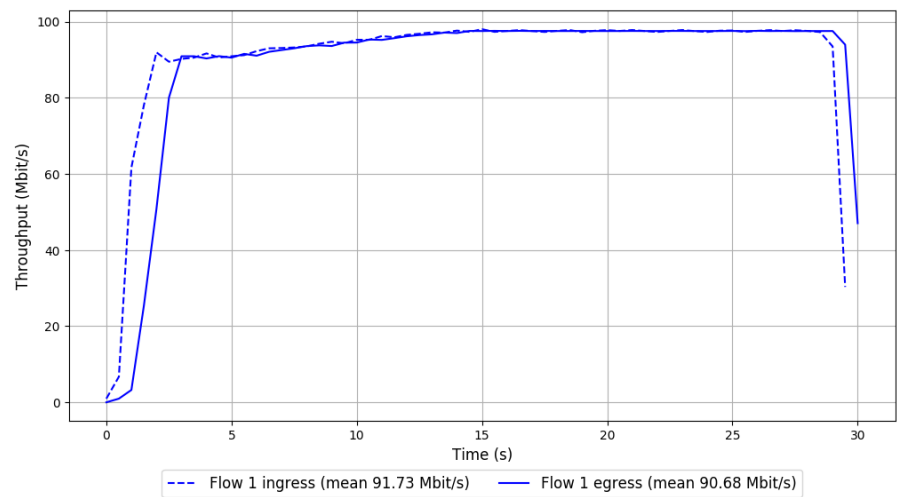
-- Flow 1:

Average throughput: 90.68 Mbit/s

95th percentile per-packet one-way delay: 88.465 ms

Loss rate: 1.14%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-01-21 06:34:12

End at: 2019-01-21 06:34:42

Local clock offset: -5.825 ms

Remote clock offset: 7.087 ms

Below is generated by plot.py at 2019-01-21 07:01:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.60 Mbit/s

95th percentile per-packet one-way delay: 90.652 ms

Loss rate: 1.31%

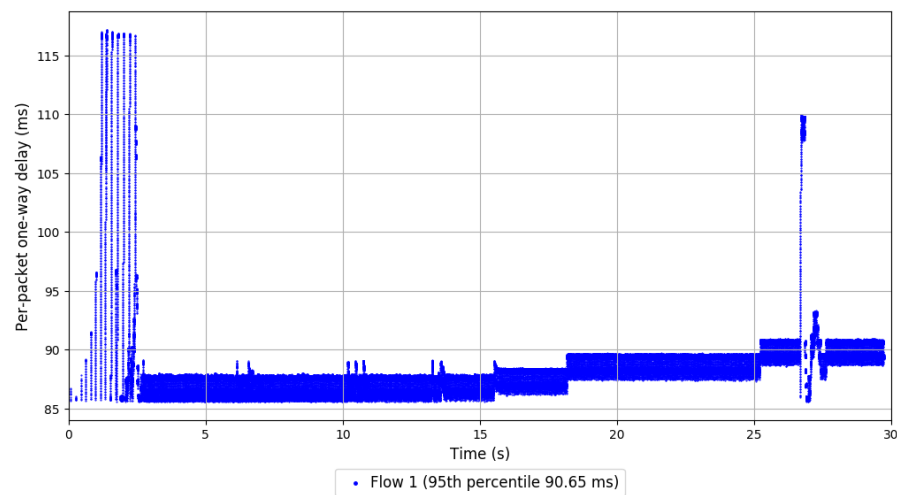
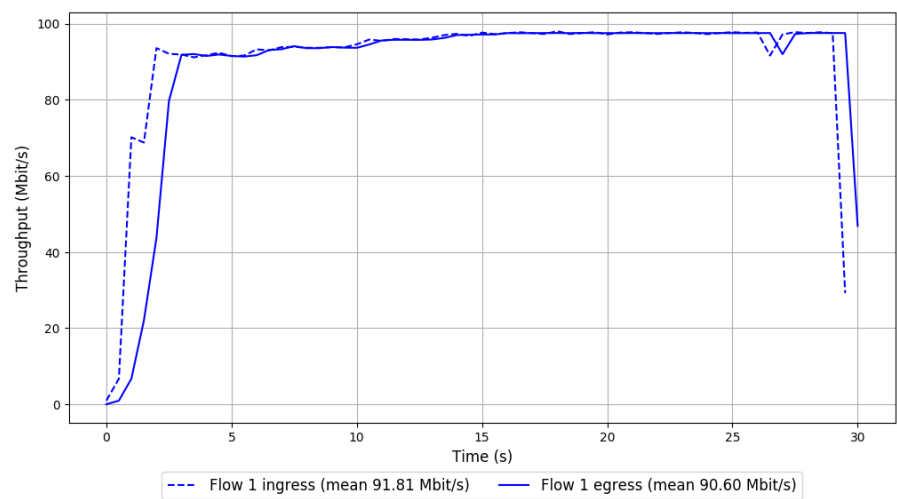
-- Flow 1:

Average throughput: 90.60 Mbit/s

95th percentile per-packet one-way delay: 90.652 ms

Loss rate: 1.31%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

Start at: 2019-01-21 04:56:49

End at: 2019-01-21 04:57:20

Local clock offset: -7.719 ms

Remote clock offset: 7.207 ms

Below is generated by plot.py at 2019-01-21 07:01:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.26 Mbit/s

95th percentile per-packet one-way delay: 105.642 ms

Loss rate: 0.07%

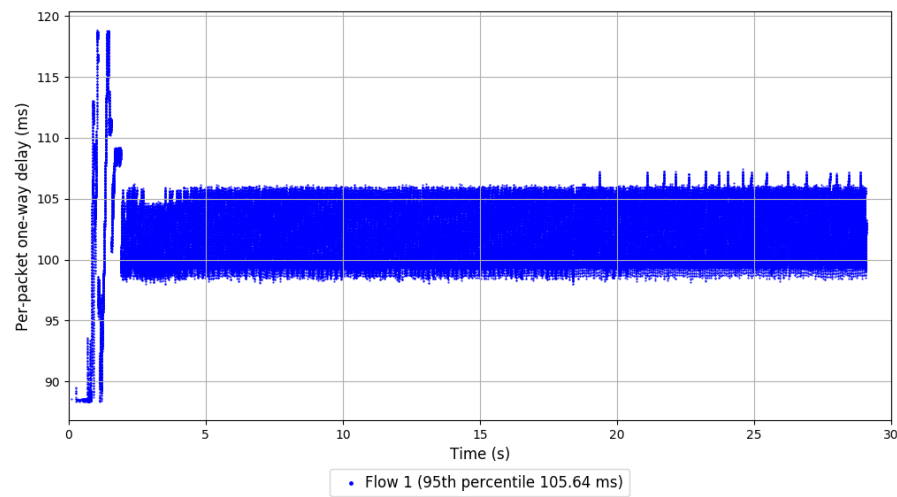
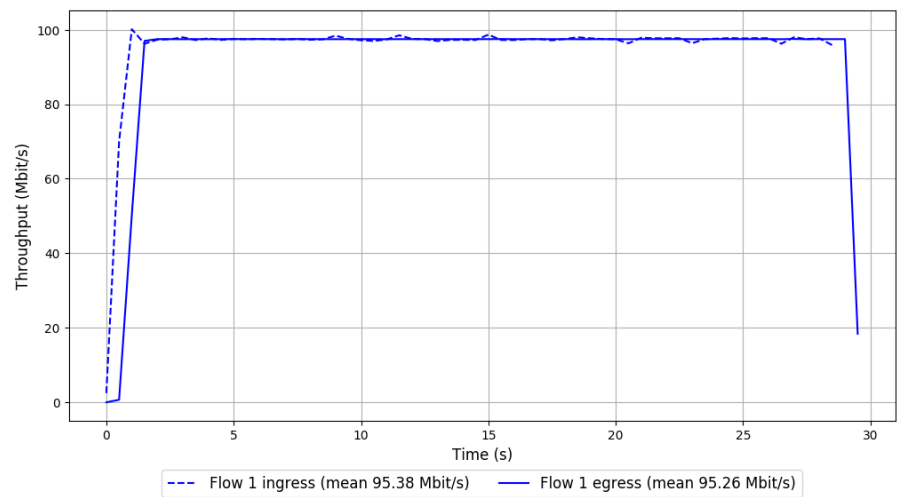
-- Flow 1:

Average throughput: 95.26 Mbit/s

95th percentile per-packet one-way delay: 105.642 ms

Loss rate: 0.07%

Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2019-01-21 05:21:28

End at: 2019-01-21 05:21:58

Local clock offset: -4.513 ms

Remote clock offset: 7.062 ms

Below is generated by plot.py at 2019-01-21 07:01:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.92 Mbit/s

95th percentile per-packet one-way delay: 99.267 ms

Loss rate: 0.52%

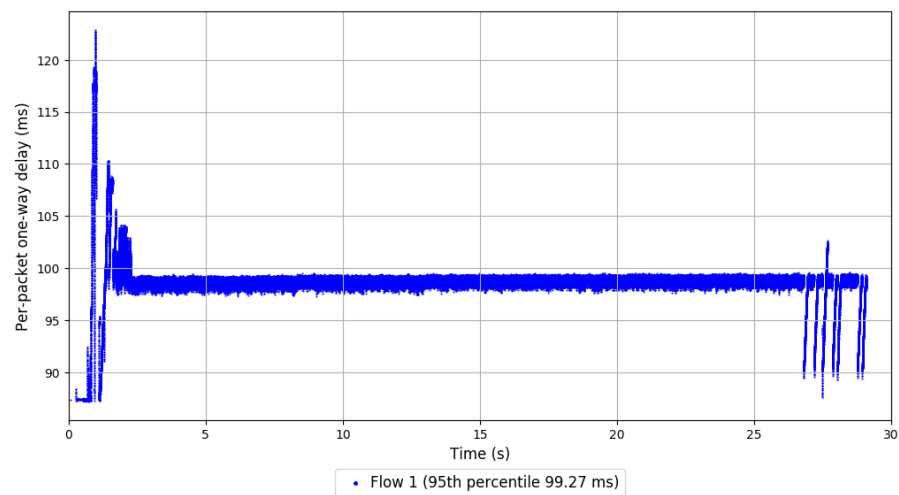
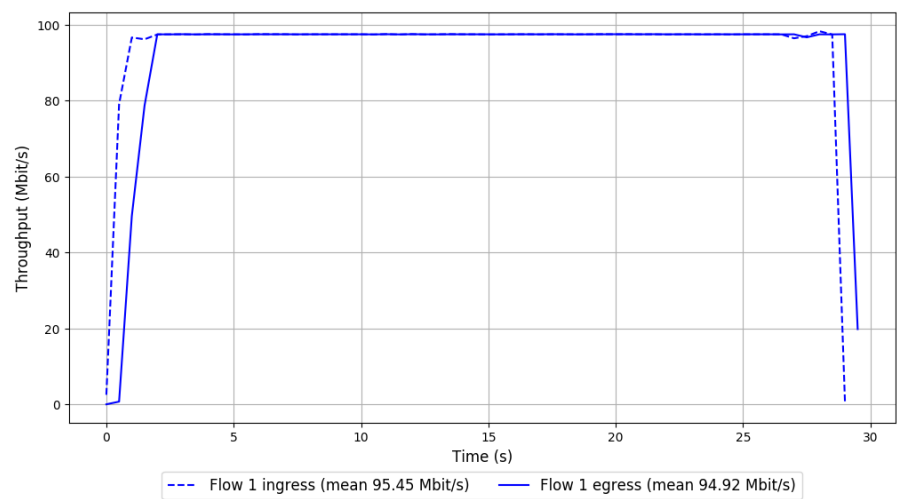
-- Flow 1:

Average throughput: 94.92 Mbit/s

95th percentile per-packet one-way delay: 99.267 ms

Loss rate: 0.52%

Run 2: Report of Indigo-MusesC3 — Data Link



Run 3: Statistics of Indigo-MusesC3

Start at: 2019-01-21 05:46:08

End at: 2019-01-21 05:46:38

Local clock offset: -1.135 ms

Remote clock offset: 3.153 ms

Below is generated by plot.py at 2019-01-21 07:01:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.03 Mbit/s

95th percentile per-packet one-way delay: 95.683 ms

Loss rate: 0.42%

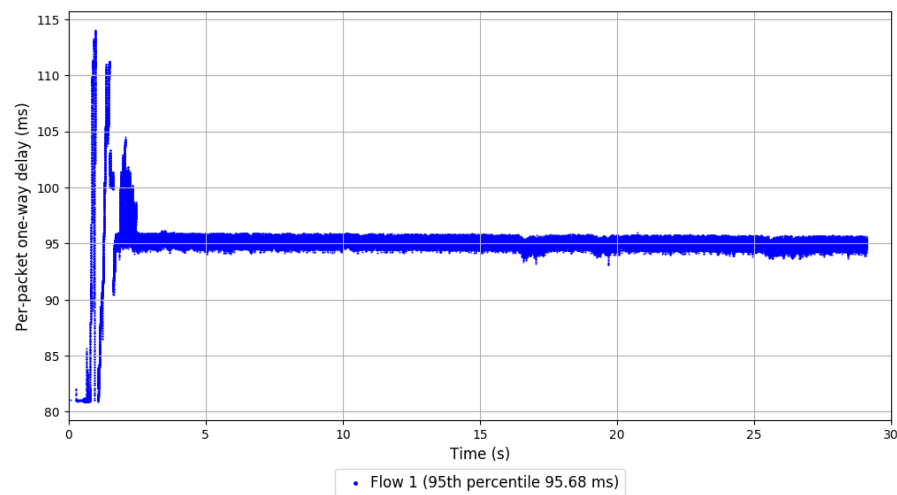
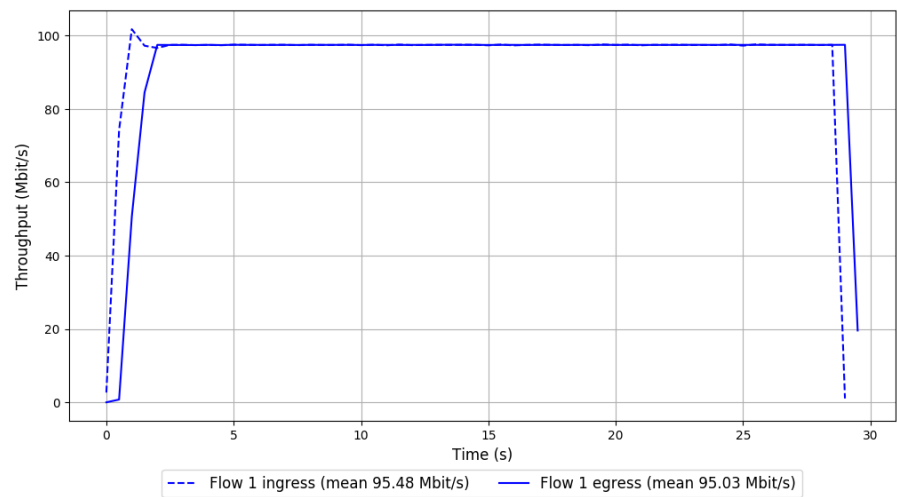
-- Flow 1:

Average throughput: 95.03 Mbit/s

95th percentile per-packet one-way delay: 95.683 ms

Loss rate: 0.42%

Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2019-01-21 06:10:47

End at: 2019-01-21 06:11:17

Local clock offset: -5.542 ms

Remote clock offset: 7.024 ms

Below is generated by plot.py at 2019-01-21 07:01:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.11 Mbit/s

95th percentile per-packet one-way delay: 98.781 ms

Loss rate: 0.38%

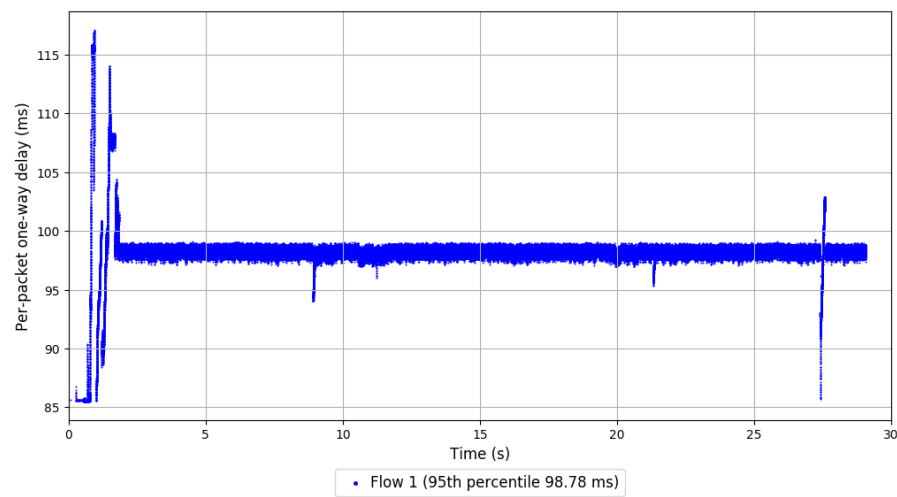
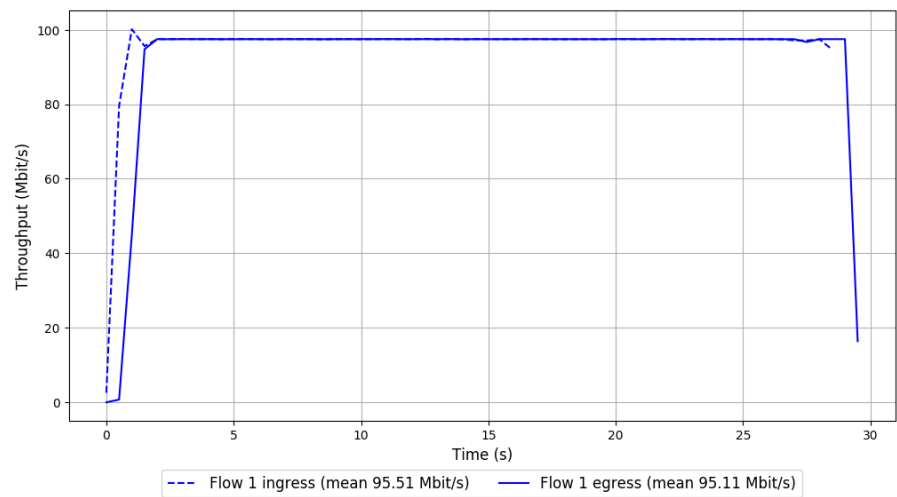
-- Flow 1:

Average throughput: 95.11 Mbit/s

95th percentile per-packet one-way delay: 98.781 ms

Loss rate: 0.38%

Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2019-01-21 06:35:25

End at: 2019-01-21 06:35:55

Local clock offset: -5.775 ms

Remote clock offset: 7.691 ms

Below is generated by plot.py at 2019-01-21 07:01:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.30 Mbit/s

95th percentile per-packet one-way delay: 98.984 ms

Loss rate: 0.32%

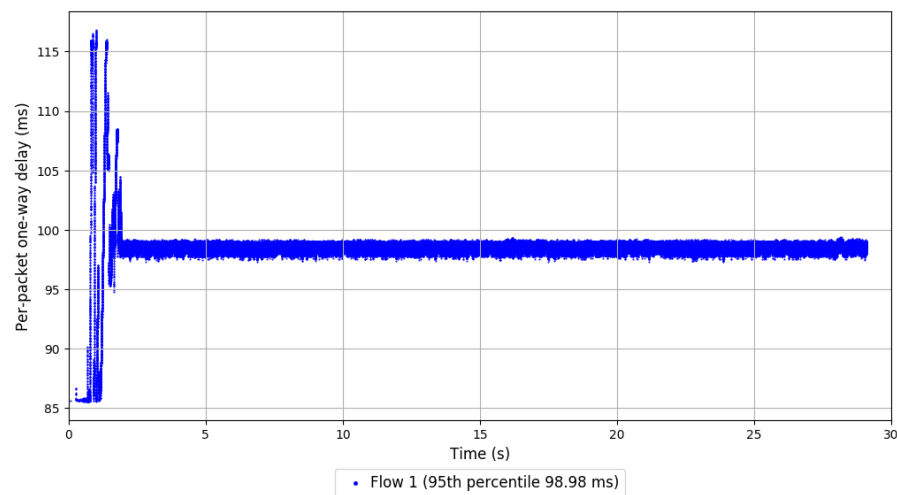
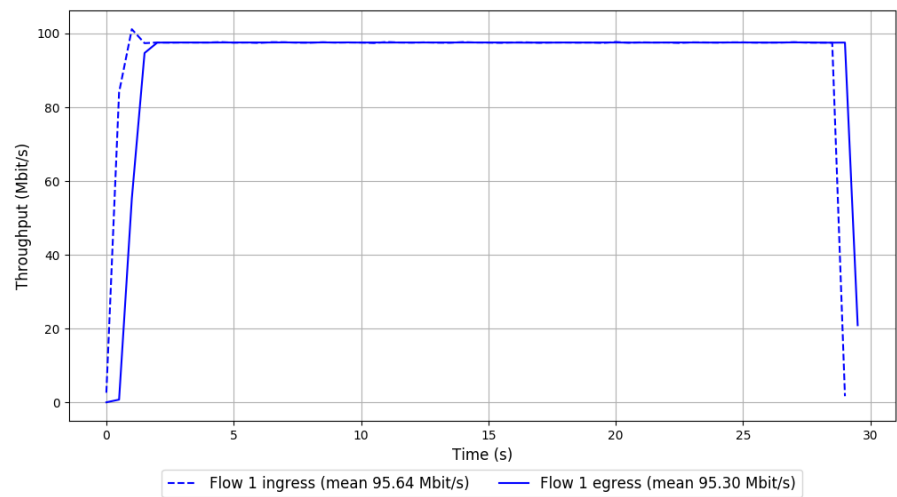
-- Flow 1:

Average throughput: 95.30 Mbit/s

95th percentile per-packet one-way delay: 98.984 ms

Loss rate: 0.32%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2019-01-21 04:59:13

End at: 2019-01-21 04:59:43

Local clock offset: -6.959 ms

Remote clock offset: 7.491 ms

Below is generated by plot.py at 2019-01-21 07:01:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.42 Mbit/s

95th percentile per-packet one-way delay: 98.367 ms

Loss rate: 0.00%

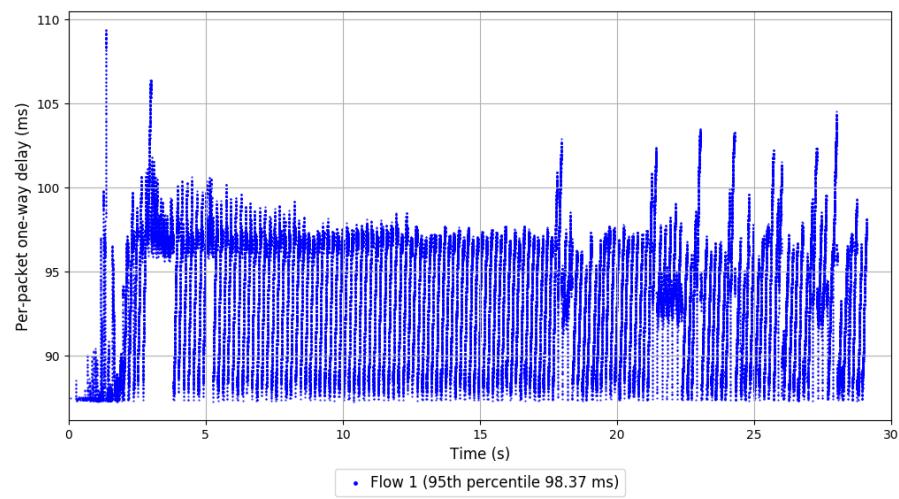
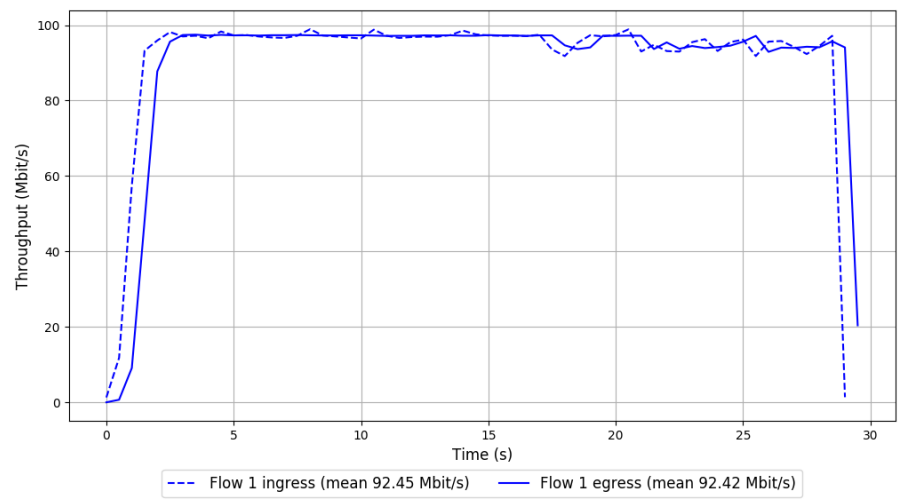
-- Flow 1:

Average throughput: 92.42 Mbit/s

95th percentile per-packet one-way delay: 98.367 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesC5 — Data Link



Run 2: Statistics of Indigo-MusesC5

Start at: 2019-01-21 05:23:51

End at: 2019-01-21 05:24:21

Local clock offset: -4.527 ms

Remote clock offset: 3.49 ms

Below is generated by plot.py at 2019-01-21 07:01:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.66 Mbit/s

95th percentile per-packet one-way delay: 96.091 ms

Loss rate: 0.00%

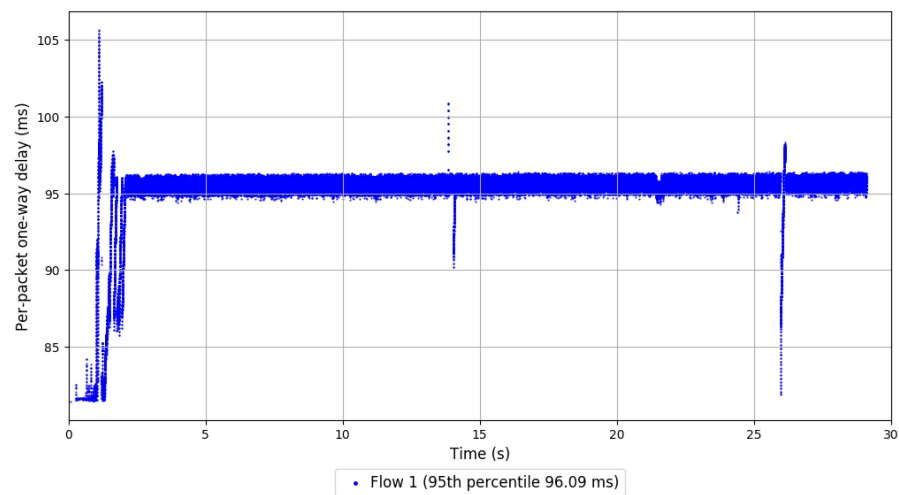
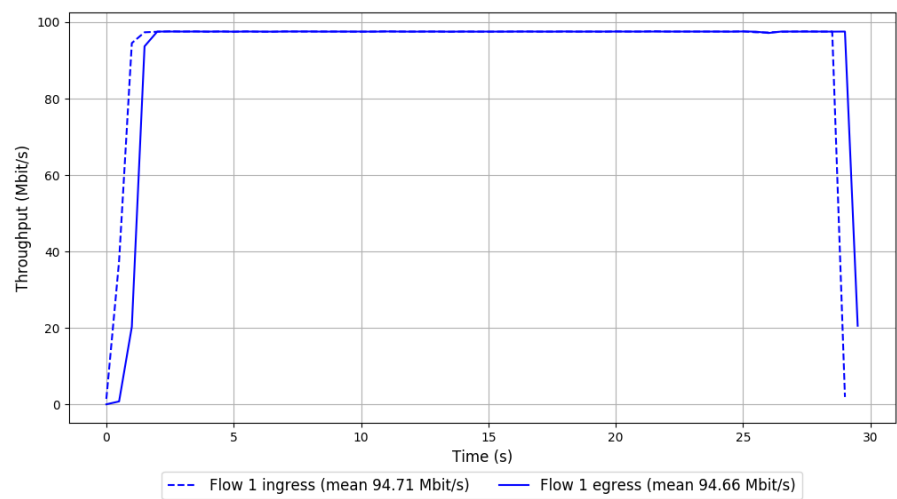
-- Flow 1:

Average throughput: 94.66 Mbit/s

95th percentile per-packet one-way delay: 96.091 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-01-21 05:48:31

End at: 2019-01-21 05:49:01

Local clock offset: -2.296 ms

Remote clock offset: 3.278 ms

Below is generated by plot.py at 2019-01-21 07:02:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.21 Mbit/s

95th percentile per-packet one-way delay: 90.858 ms

Loss rate: 0.00%

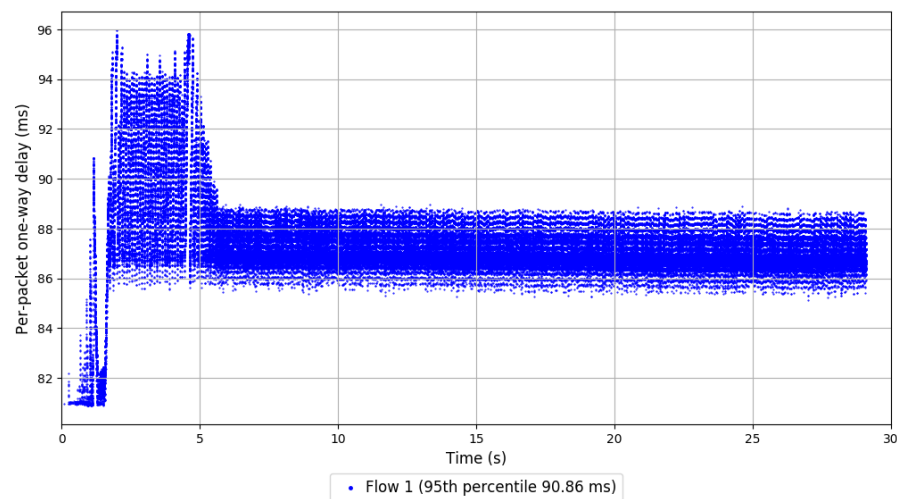
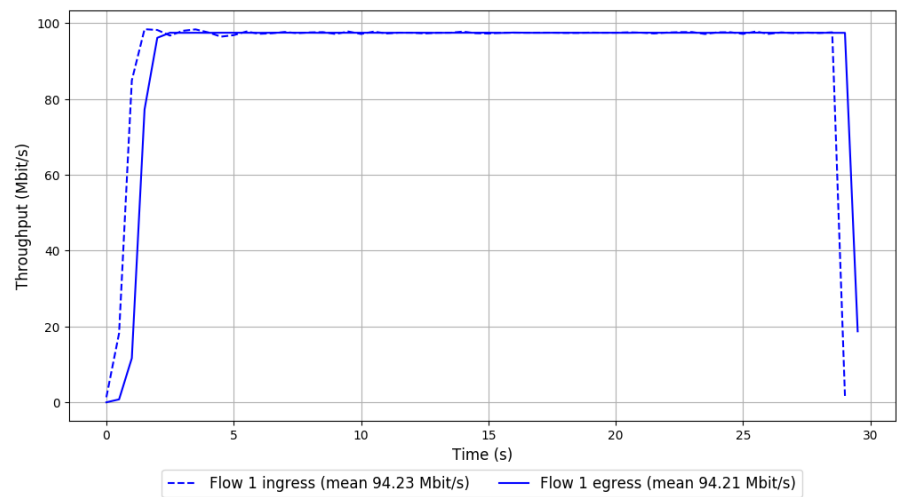
-- Flow 1:

Average throughput: 94.21 Mbit/s

95th percentile per-packet one-way delay: 90.858 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-01-21 06:13:10

End at: 2019-01-21 06:13:40

Local clock offset: -5.612 ms

Remote clock offset: 3.306 ms

Below is generated by plot.py at 2019-01-21 07:02:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.16 Mbit/s

95th percentile per-packet one-way delay: 89.810 ms

Loss rate: 0.00%

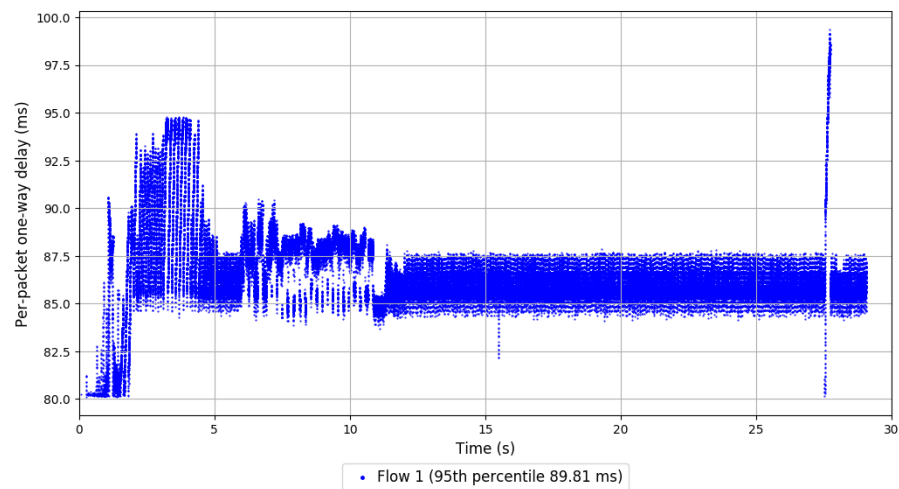
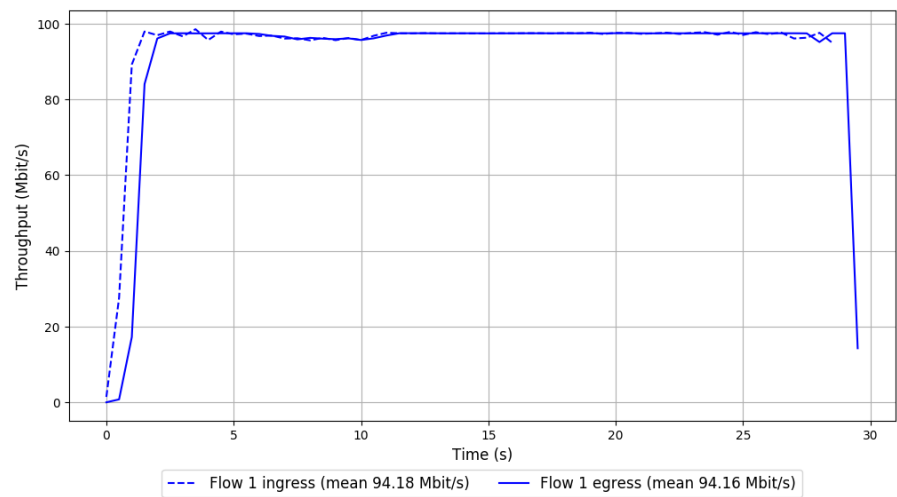
-- Flow 1:

Average throughput: 94.16 Mbit/s

95th percentile per-packet one-way delay: 89.810 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-01-21 06:37:48

End at: 2019-01-21 06:38:18

Local clock offset: -5.797 ms

Remote clock offset: 3.551 ms

Below is generated by plot.py at 2019-01-21 07:02:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.42 Mbit/s

95th percentile per-packet one-way delay: 89.250 ms

Loss rate: 0.44%

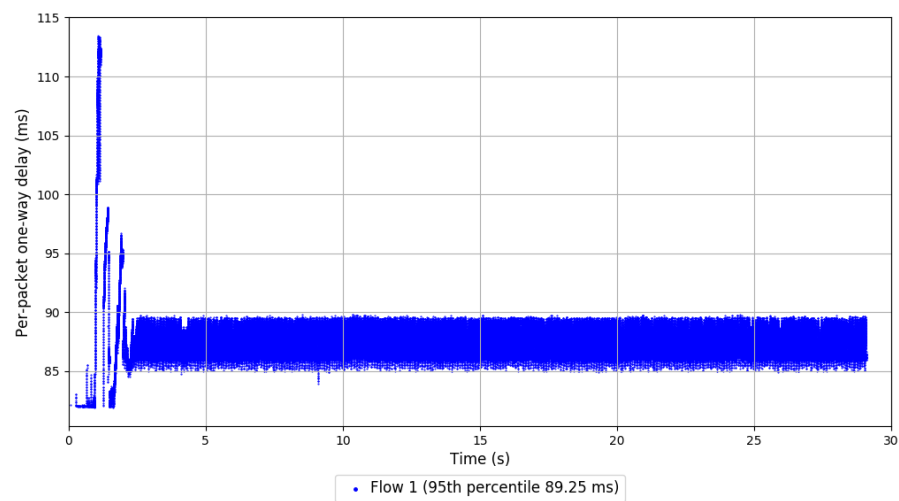
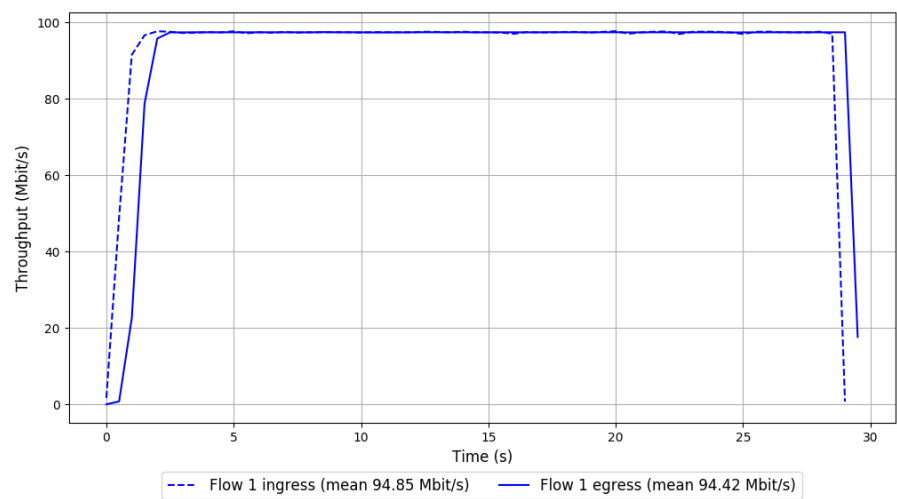
-- Flow 1:

Average throughput: 94.42 Mbit/s

95th percentile per-packet one-way delay: 89.250 ms

Loss rate: 0.44%

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

Start at: 2019-01-21 05:16:44

End at: 2019-01-21 05:17:14

Local clock offset: -7.118 ms

Remote clock offset: 6.73 ms

Below is generated by plot.py at 2019-01-21 07:02:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.92 Mbit/s

95th percentile per-packet one-way delay: 93.287 ms

Loss rate: 0.00%

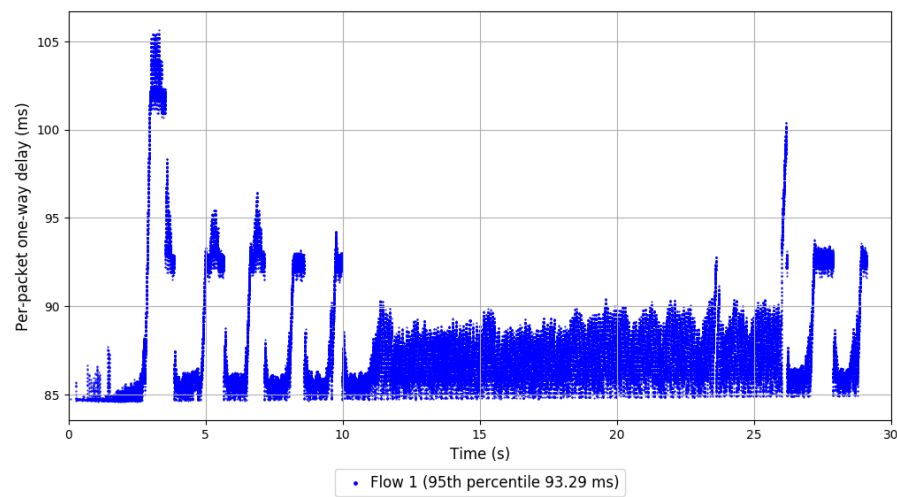
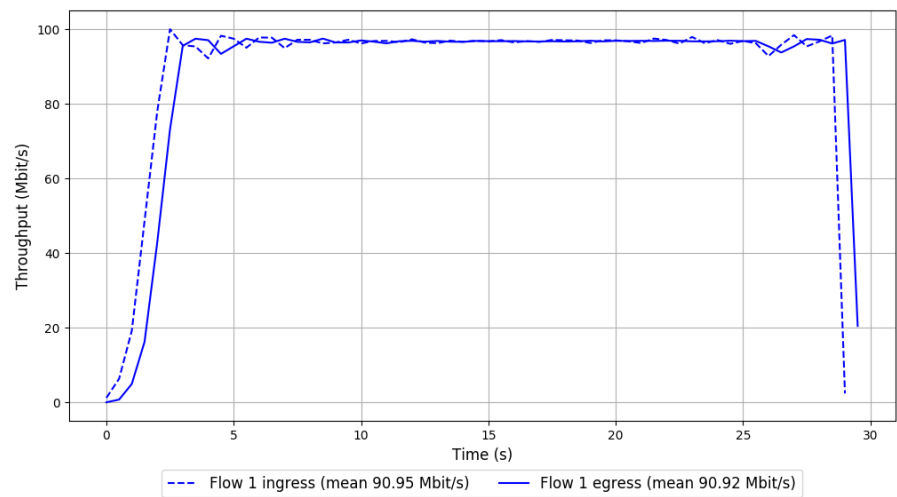
-- Flow 1:

Average throughput: 90.92 Mbit/s

95th percentile per-packet one-way delay: 93.287 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-01-21 05:41:25

End at: 2019-01-21 05:41:55

Local clock offset: -0.679 ms

Remote clock offset: 6.807 ms

Below is generated by plot.py at 2019-01-21 07:02:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.38 Mbit/s

95th percentile per-packet one-way delay: 94.444 ms

Loss rate: 0.00%

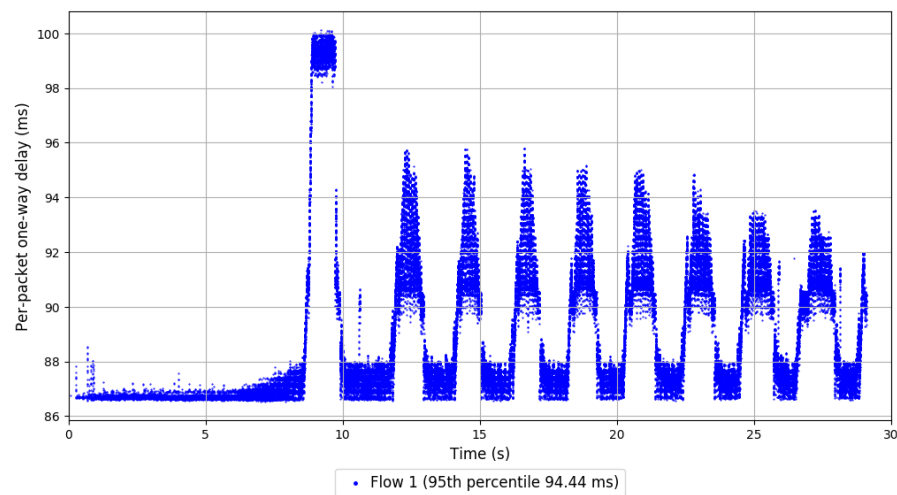
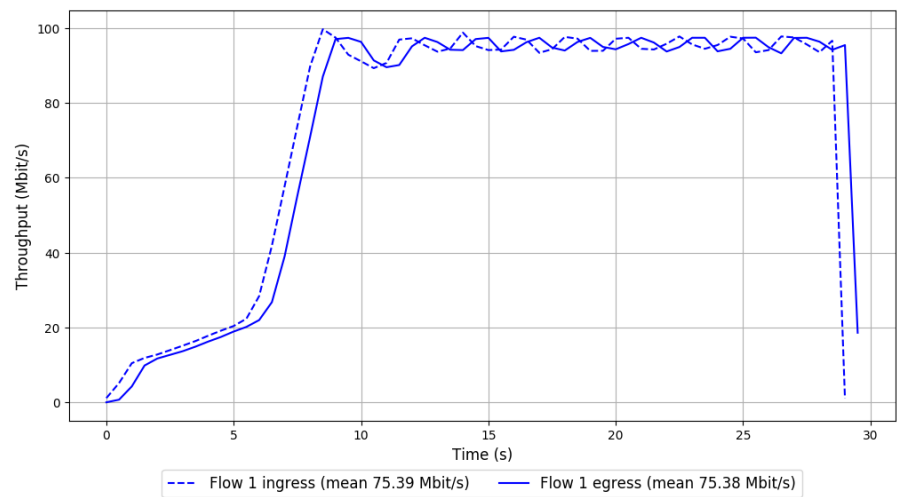
-- Flow 1:

Average throughput: 75.38 Mbit/s

95th percentile per-packet one-way delay: 94.444 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-01-21 06:06:04

End at: 2019-01-21 06:06:34

Local clock offset: -5.148 ms

Remote clock offset: 3.594 ms

Below is generated by plot.py at 2019-01-21 07:02:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.37 Mbit/s

95th percentile per-packet one-way delay: 90.923 ms

Loss rate: 0.00%

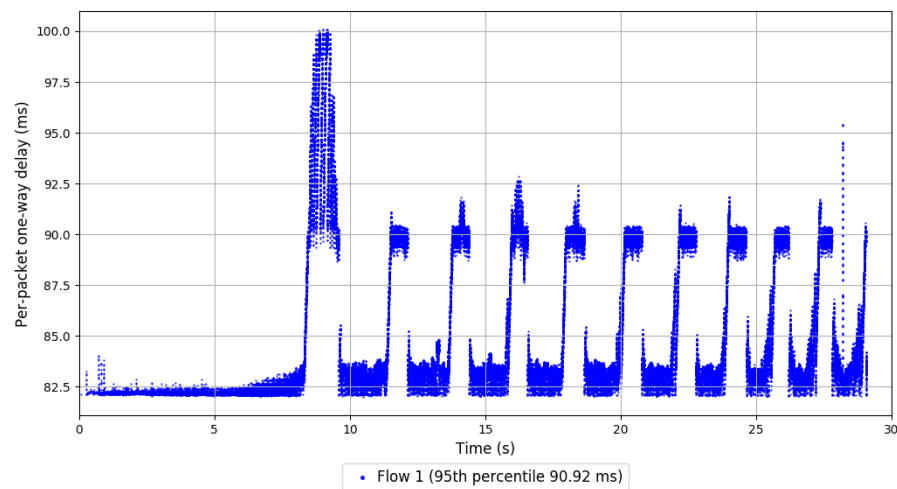
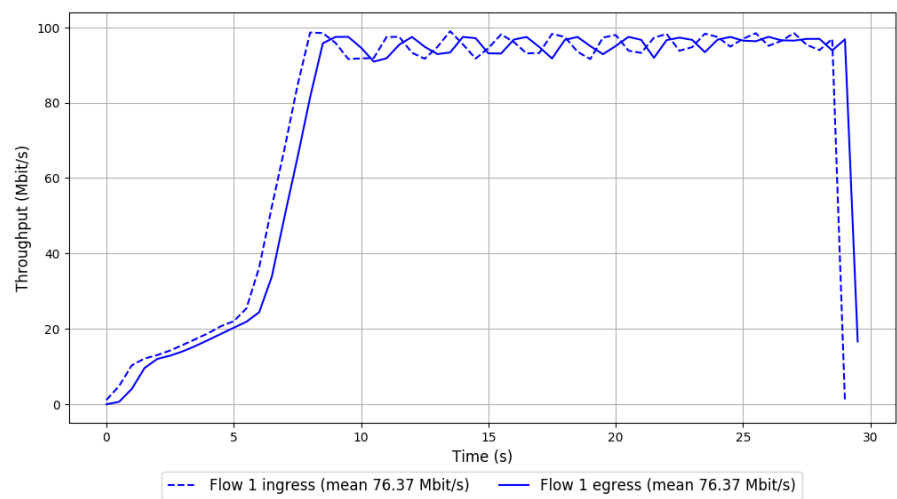
-- Flow 1:

Average throughput: 76.37 Mbit/s

95th percentile per-packet one-way delay: 90.923 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-01-21 06:30:43

End at: 2019-01-21 06:31:13

Local clock offset: -6.552 ms

Remote clock offset: 3.394 ms

Below is generated by plot.py at 2019-01-21 07:02:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.31 Mbit/s

95th percentile per-packet one-way delay: 91.926 ms

Loss rate: 0.00%

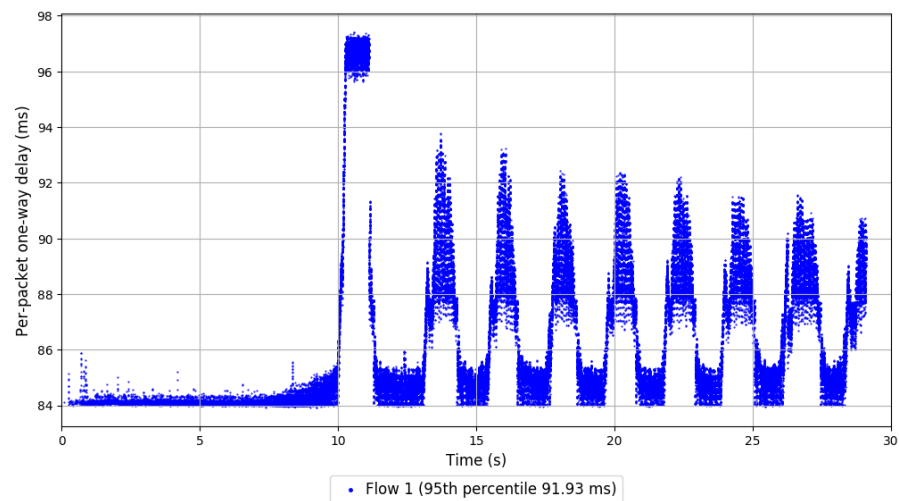
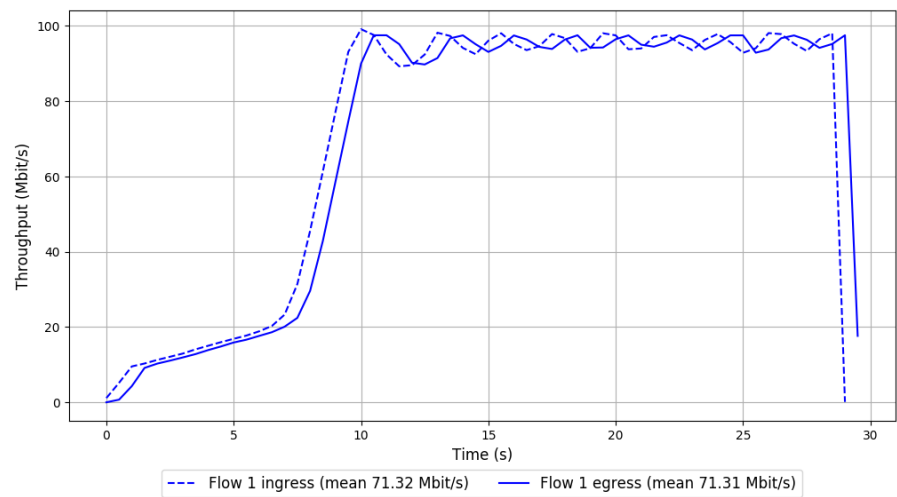
-- Flow 1:

Average throughput: 71.31 Mbit/s

95th percentile per-packet one-way delay: 91.926 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-01-21 06:55:21

End at: 2019-01-21 06:55:51

Local clock offset: -6.827 ms

Remote clock offset: 3.611 ms

Below is generated by plot.py at 2019-01-21 07:03:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.23 Mbit/s

95th percentile per-packet one-way delay: 88.639 ms

Loss rate: 0.00%

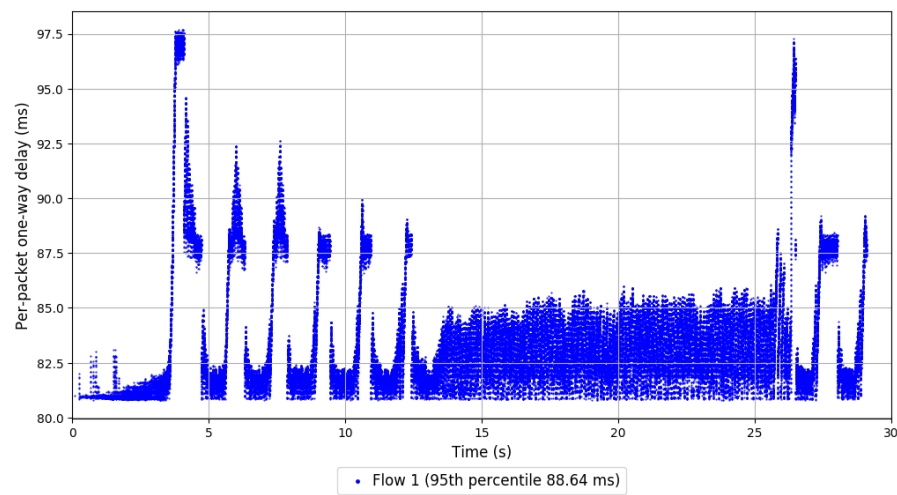
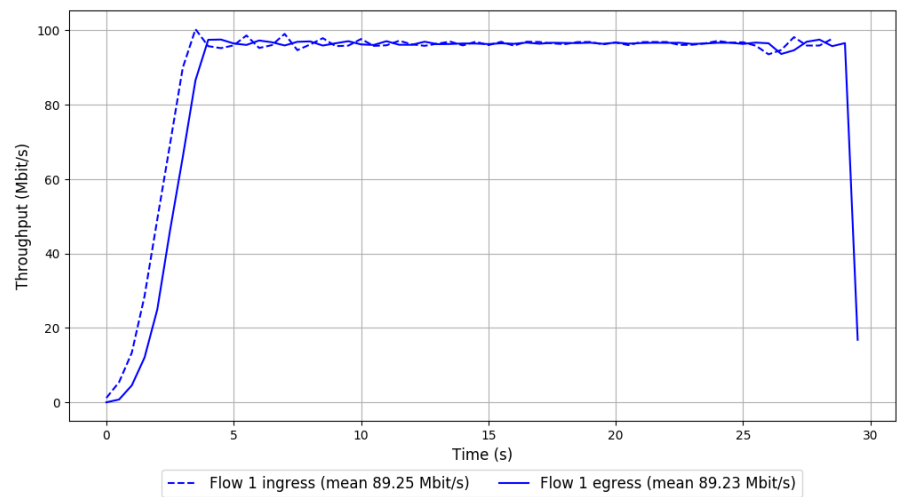
-- Flow 1:

Average throughput: 89.23 Mbit/s

95th percentile per-packet one-way delay: 88.639 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MusesT

Start at: 2019-01-21 05:06:10

End at: 2019-01-21 05:06:40

Local clock offset: -6.968 ms

Remote clock offset: 6.442 ms

Below is generated by plot.py at 2019-01-21 07:03:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.84 Mbit/s

95th percentile per-packet one-way delay: 98.138 ms

Loss rate: 2.12%

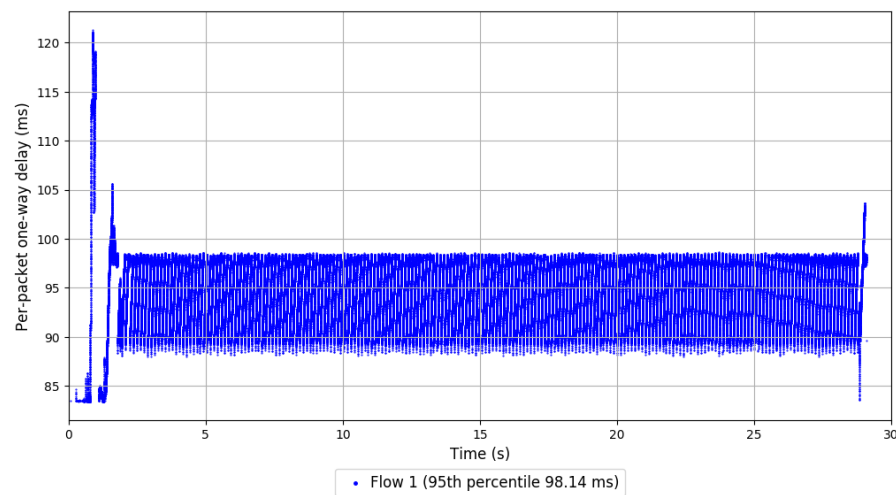
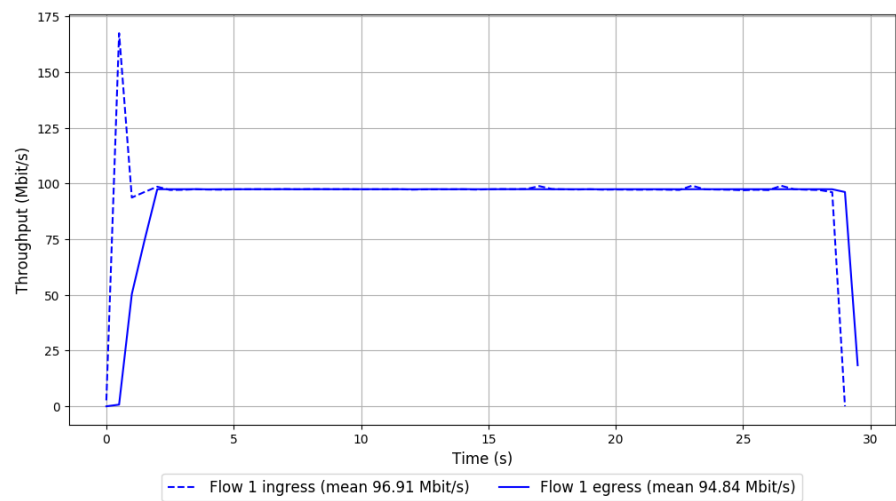
-- Flow 1:

Average throughput: 94.84 Mbit/s

95th percentile per-packet one-way delay: 98.138 ms

Loss rate: 2.12%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-01-21 05:30:49

End at: 2019-01-21 05:31:19

Local clock offset: -2.874 ms

Remote clock offset: 3.032 ms

Below is generated by plot.py at 2019-01-21 07:03:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.50 Mbit/s

95th percentile per-packet one-way delay: 95.243 ms

Loss rate: 3.37%

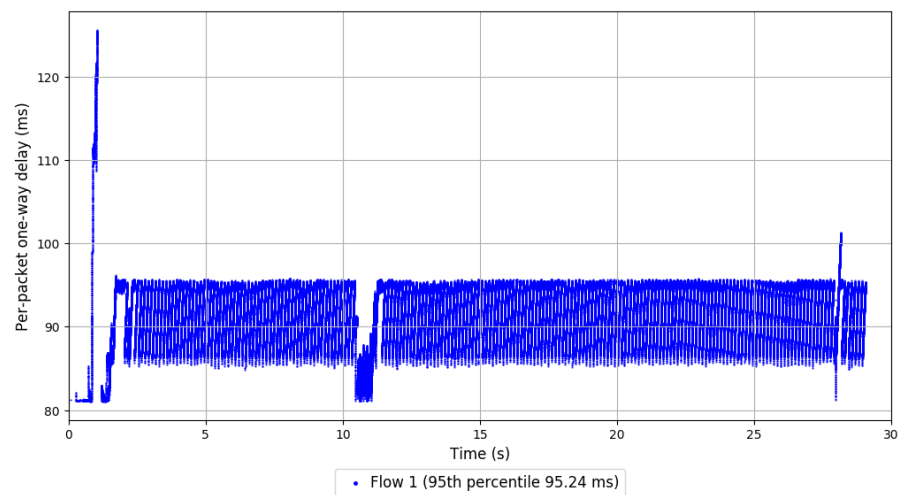
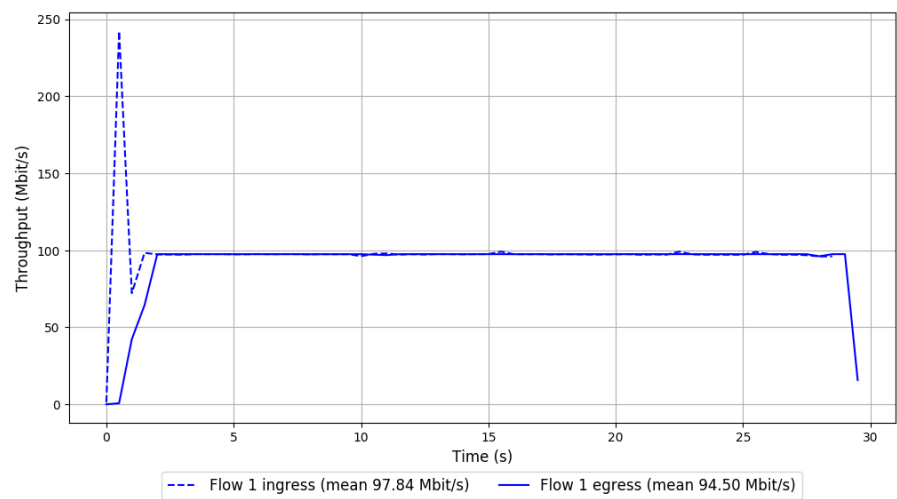
-- Flow 1:

Average throughput: 94.50 Mbit/s

95th percentile per-packet one-way delay: 95.243 ms

Loss rate: 3.37%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

Start at: 2019-01-21 05:55:29

End at: 2019-01-21 05:55:59

Local clock offset: -4.577 ms

Remote clock offset: 7.06 ms

Below is generated by plot.py at 2019-01-21 07:03:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.82 Mbit/s

95th percentile per-packet one-way delay: 98.788 ms

Loss rate: 3.49%

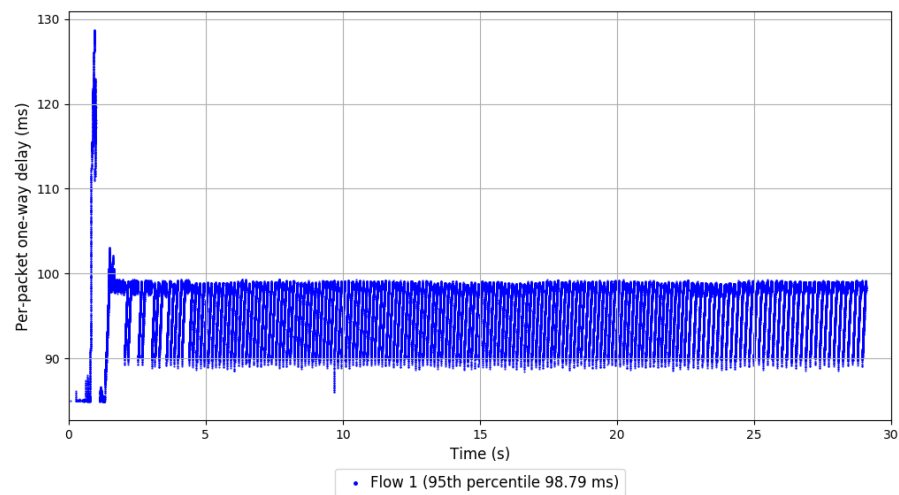
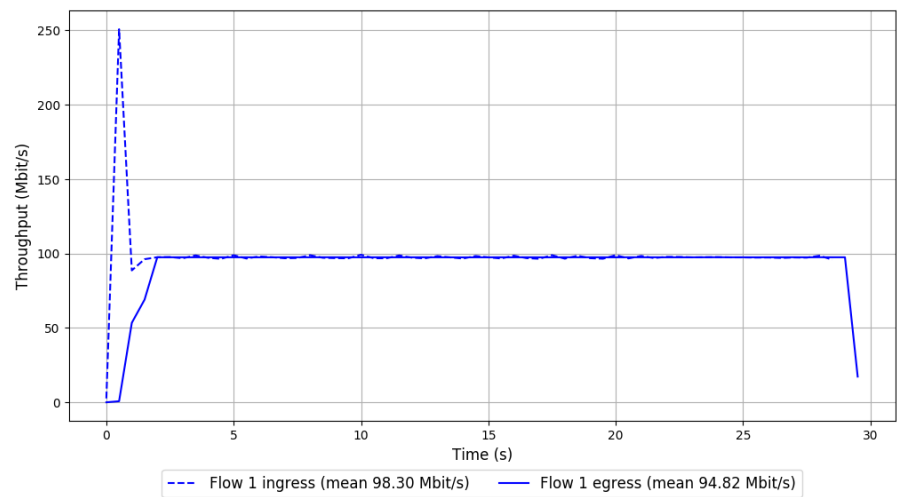
-- Flow 1:

Average throughput: 94.82 Mbit/s

95th percentile per-packet one-way delay: 98.788 ms

Loss rate: 3.49%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2019-01-21 06:20:07

End at: 2019-01-21 06:20:37

Local clock offset: -5.704 ms

Remote clock offset: 3.725 ms

Below is generated by plot.py at 2019-01-21 07:03:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.53 Mbit/s

95th percentile per-packet one-way delay: 95.214 ms

Loss rate: 3.36%

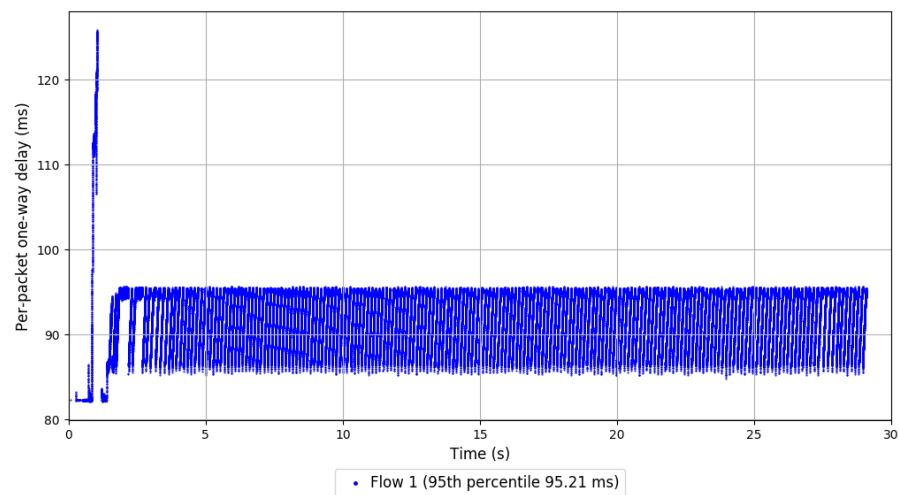
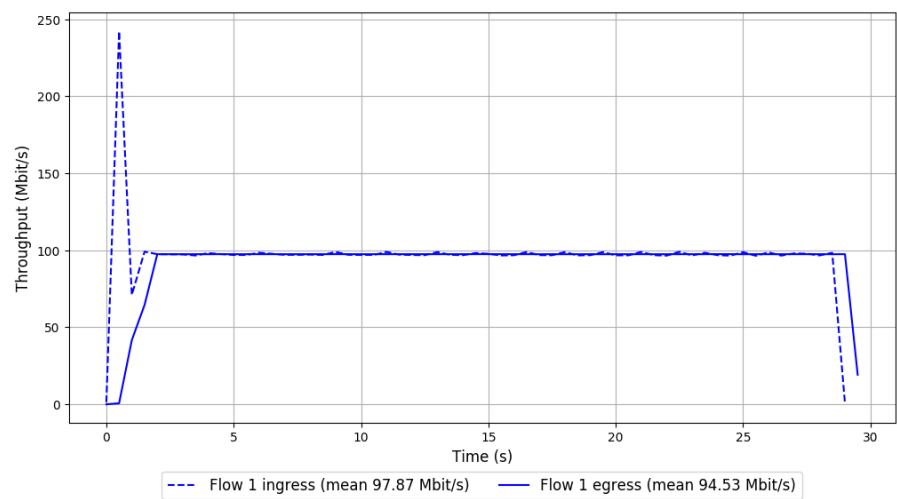
-- Flow 1:

Average throughput: 94.53 Mbit/s

95th percentile per-packet one-way delay: 95.214 ms

Loss rate: 3.36%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-01-21 06:44:46

End at: 2019-01-21 06:45:16

Local clock offset: -5.903 ms

Remote clock offset: 3.961 ms

Below is generated by plot.py at 2019-01-21 07:03:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.48 Mbit/s

95th percentile per-packet one-way delay: 94.596 ms

Loss rate: 2.40%

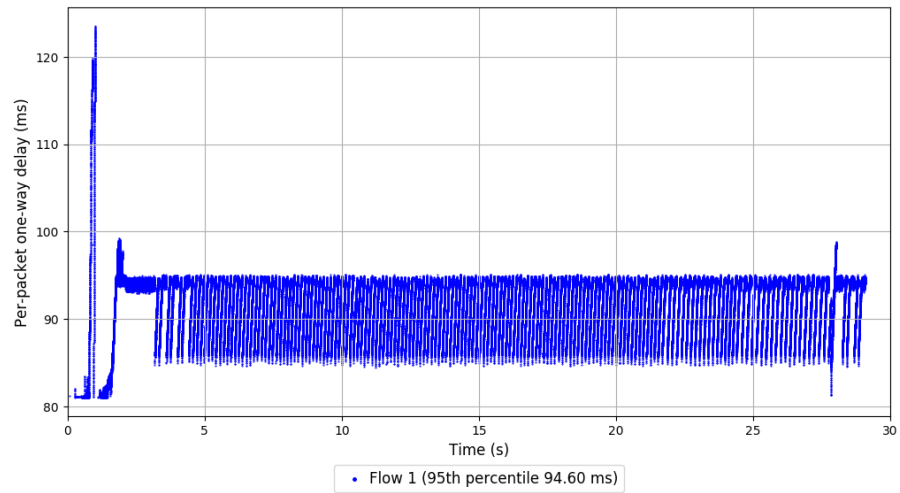
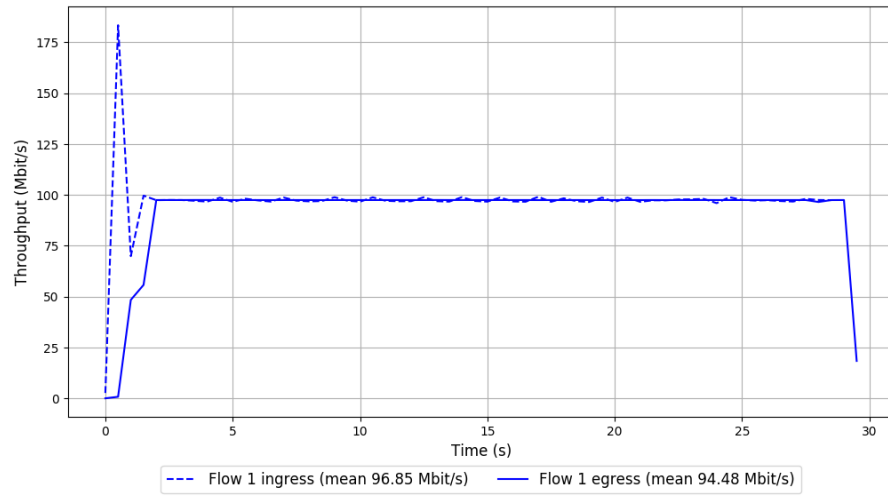
-- Flow 1:

Average throughput: 94.48 Mbit/s

95th percentile per-packet one-way delay: 94.596 ms

Loss rate: 2.40%

Run 5: Report of Indigo-MusesT — Data Link



Run 1: Statistics of LEDBAT

Start at: 2019-01-21 05:15:36

End at: 2019-01-21 05:16:06

Local clock offset: -7.198 ms

Remote clock offset: 6.568 ms

Below is generated by plot.py at 2019-01-21 07:03:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.89 Mbit/s

95th percentile per-packet one-way delay: 86.921 ms

Loss rate: 0.00%

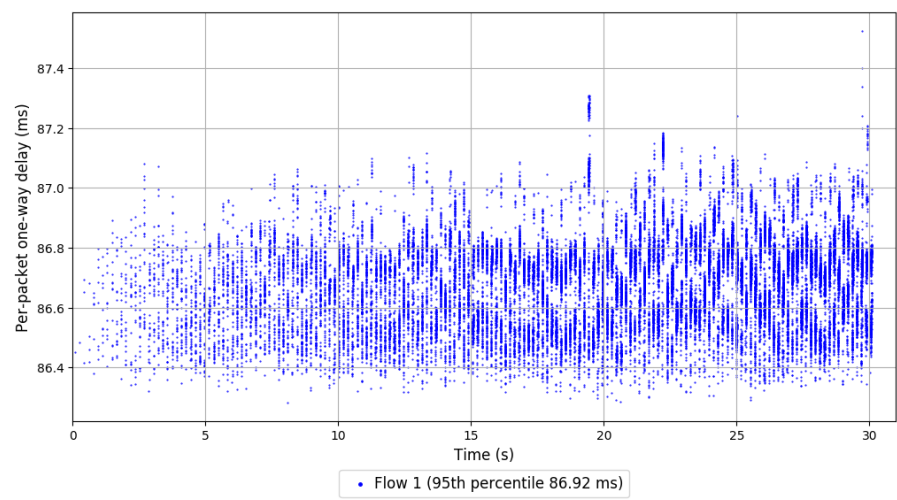
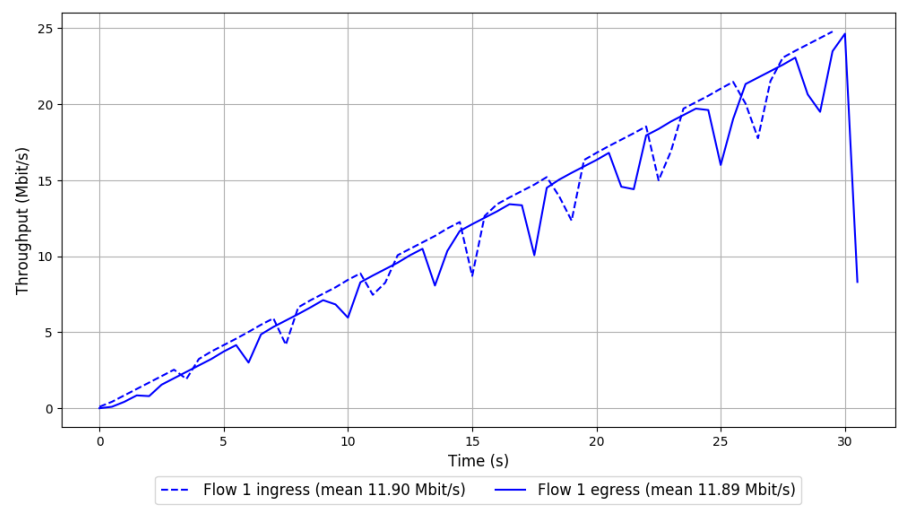
-- Flow 1:

Average throughput: 11.89 Mbit/s

95th percentile per-packet one-way delay: 86.921 ms

Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2019-01-21 05:40:16

End at: 2019-01-21 05:40:46

Local clock offset: -1.613 ms

Remote clock offset: 7.373 ms

Below is generated by plot.py at 2019-01-21 07:03:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.84 Mbit/s

95th percentile per-packet one-way delay: 88.787 ms

Loss rate: 0.00%

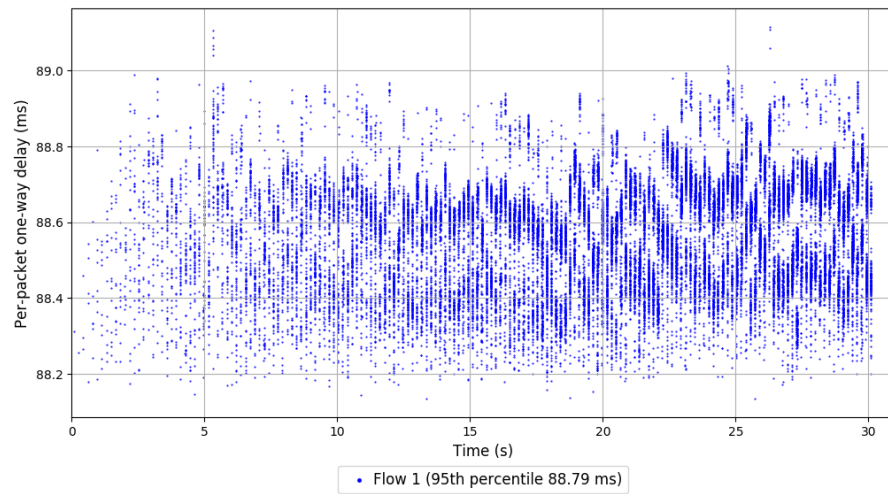
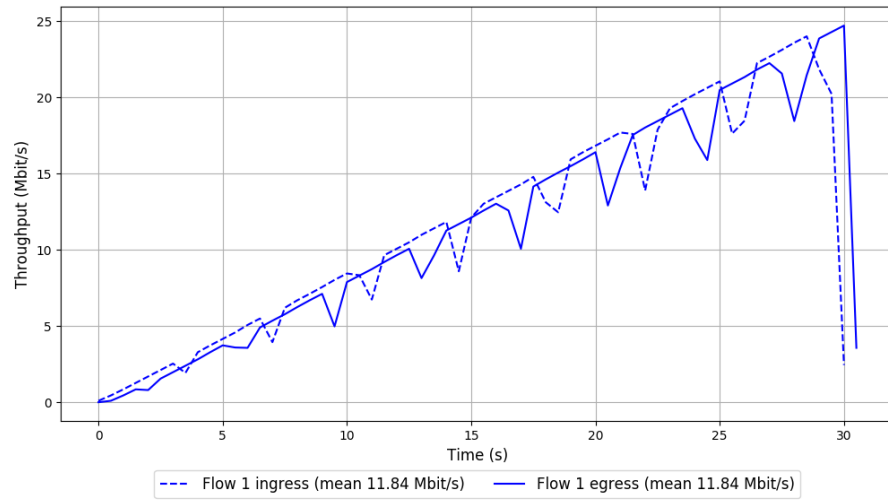
-- Flow 1:

Average throughput: 11.84 Mbit/s

95th percentile per-packet one-way delay: 88.787 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2019-01-21 06:04:55

End at: 2019-01-21 06:05:25

Local clock offset: -5.902 ms

Remote clock offset: 3.599 ms

Below is generated by plot.py at 2019-01-21 07:03:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.82 Mbit/s

95th percentile per-packet one-way delay: 84.817 ms

Loss rate: 0.00%

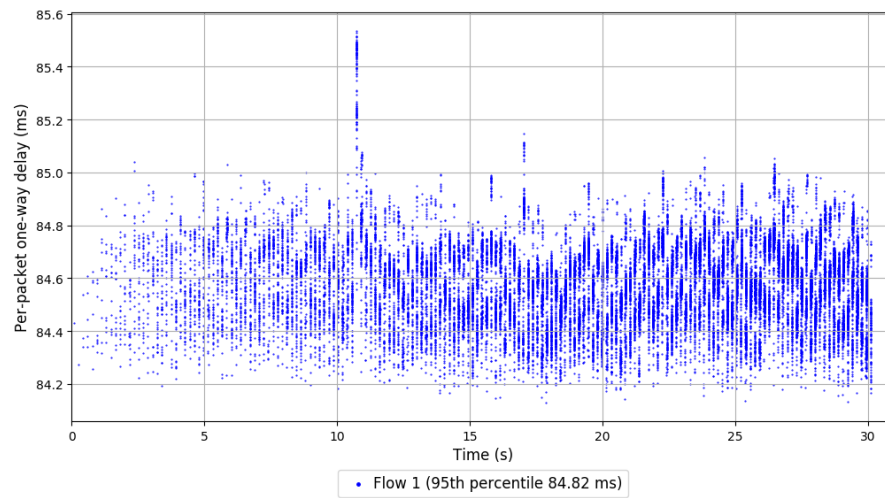
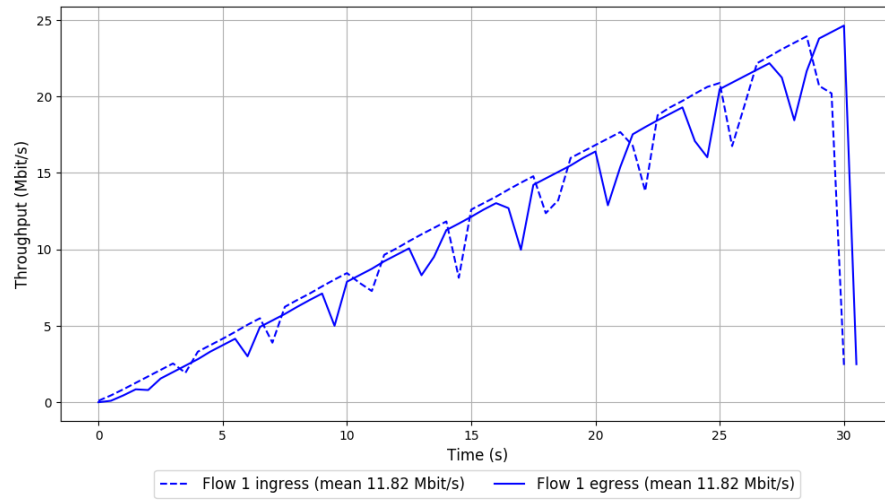
-- Flow 1:

Average throughput: 11.82 Mbit/s

95th percentile per-packet one-way delay: 84.817 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2019-01-21 06:29:34

End at: 2019-01-21 06:30:04

Local clock offset: -6.521 ms

Remote clock offset: 3.762 ms

Below is generated by plot.py at 2019-01-21 07:03:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.20 Mbit/s

95th percentile per-packet one-way delay: 82.561 ms

Loss rate: 0.00%

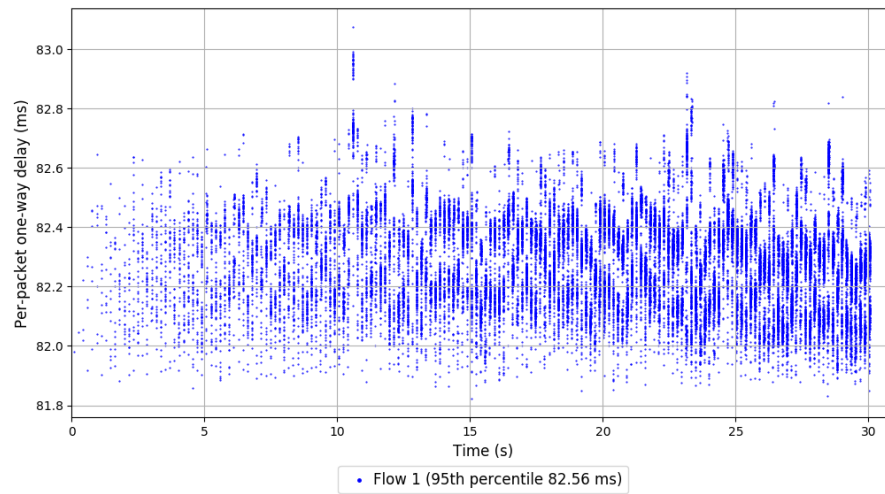
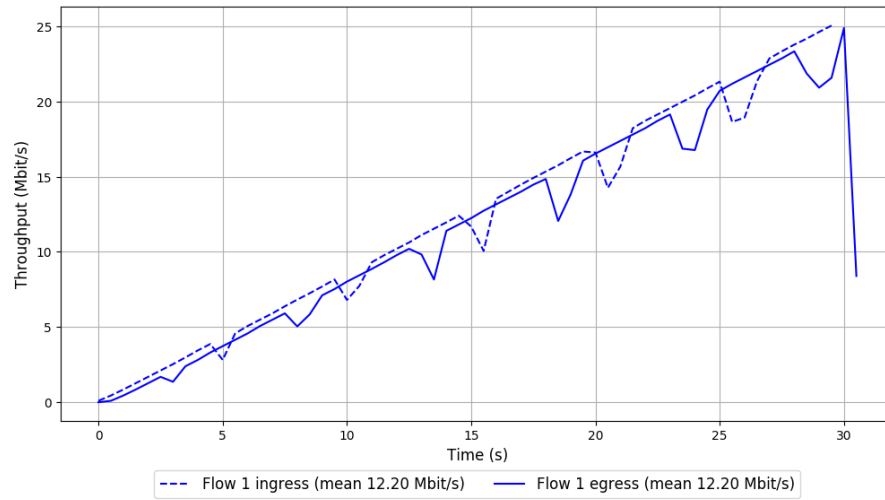
-- Flow 1:

Average throughput: 12.20 Mbit/s

95th percentile per-packet one-way delay: 82.561 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2019-01-21 06:54:12

End at: 2019-01-21 06:54:42

Local clock offset: -5.996 ms

Remote clock offset: 7.923 ms

Below is generated by plot.py at 2019-01-21 07:03:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.95 Mbit/s

95th percentile per-packet one-way delay: 86.593 ms

Loss rate: 0.00%

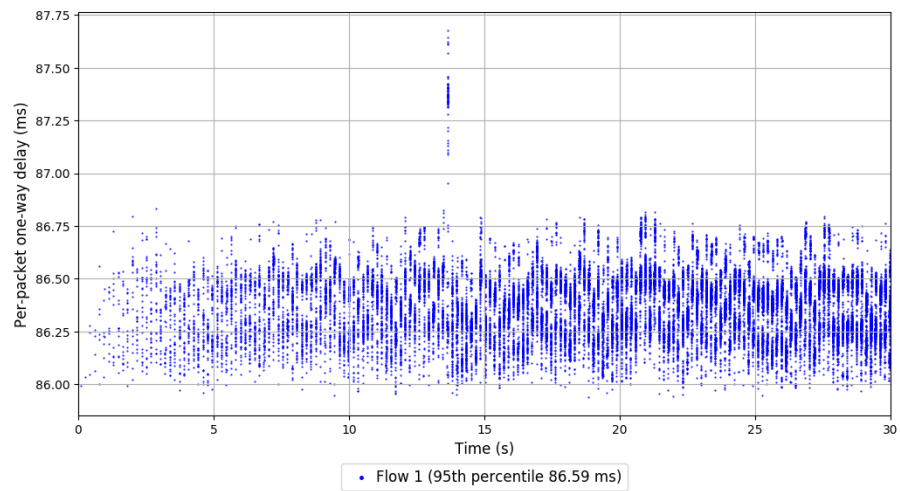
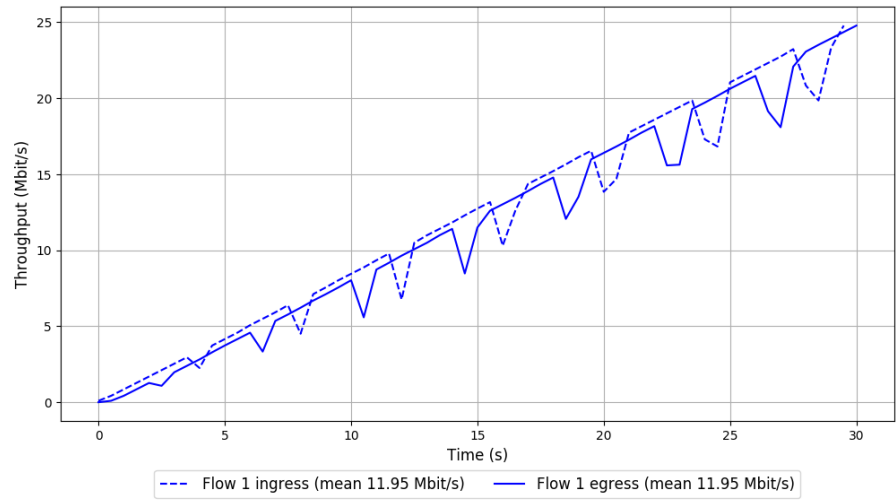
-- Flow 1:

Average throughput: 11.95 Mbit/s

95th percentile per-packet one-way delay: 86.593 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

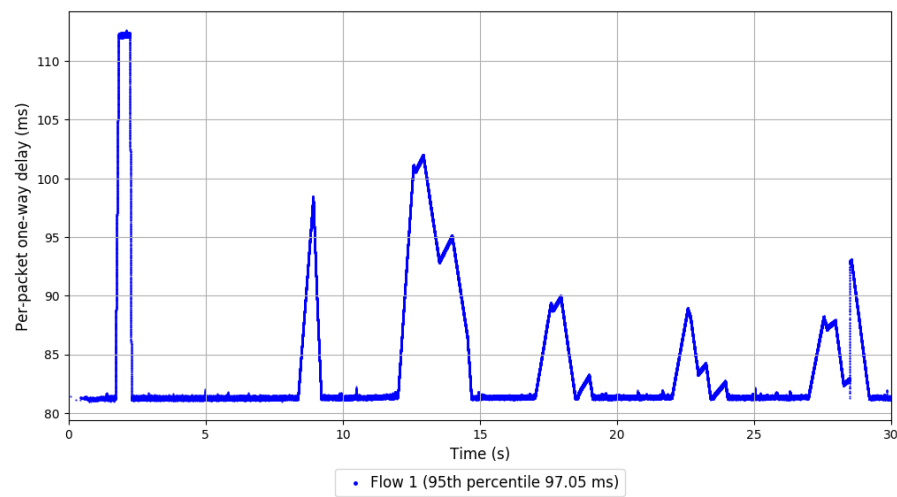
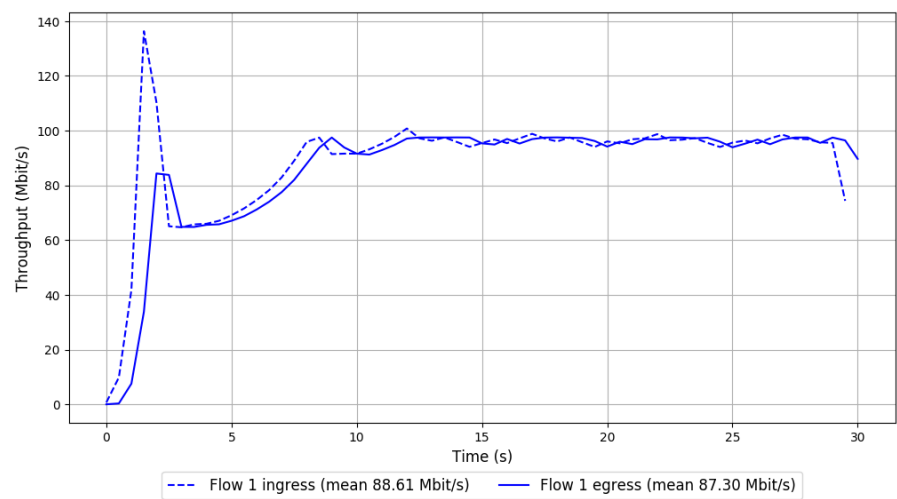


```
Run 1: Statistics of PCC-Allegro

Start at: 2019-01-21 05:08:35
End at: 2019-01-21 05:09:05
Local clock offset: -7.862 ms
Remote clock offset: 3.568 ms

# Below is generated by plot.py at 2019-01-21 07:04:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.30 Mbit/s
95th percentile per-packet one-way delay: 97.046 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 87.30 Mbit/s
95th percentile per-packet one-way delay: 97.046 ms
Loss rate: 1.48%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-01-21 05:33:14

End at: 2019-01-21 05:33:44

Local clock offset: -2.387 ms

Remote clock offset: 7.149 ms

Below is generated by plot.py at 2019-01-21 07:04:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.37 Mbit/s

95th percentile per-packet one-way delay: 99.211 ms

Loss rate: 1.48%

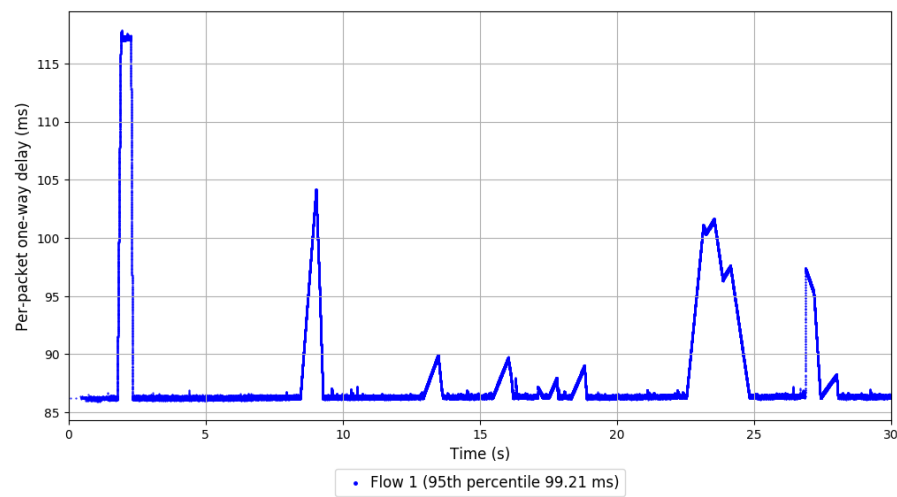
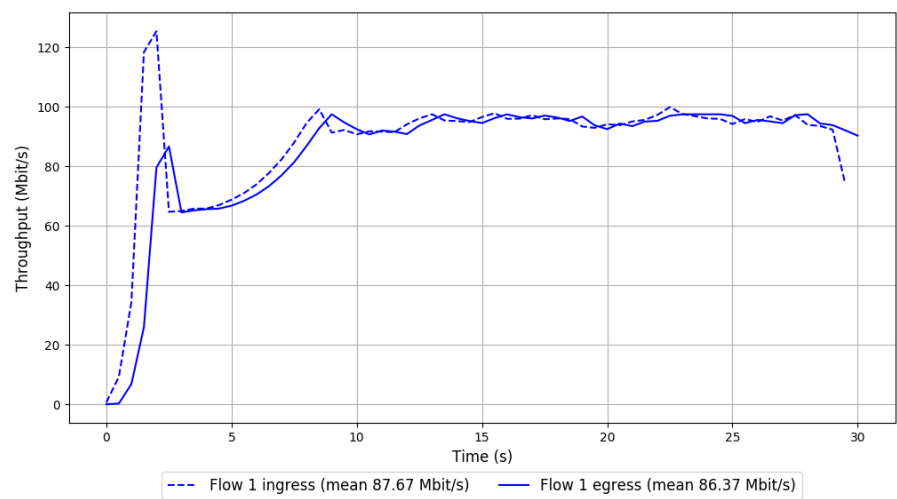
-- Flow 1:

Average throughput: 86.37 Mbit/s

95th percentile per-packet one-way delay: 99.211 ms

Loss rate: 1.48%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-01-21 05:57:53

End at: 2019-01-21 05:58:23

Local clock offset: -4.236 ms

Remote clock offset: 7.211 ms

Below is generated by plot.py at 2019-01-21 07:04:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.96 Mbit/s

95th percentile per-packet one-way delay: 94.390 ms

Loss rate: 1.50%

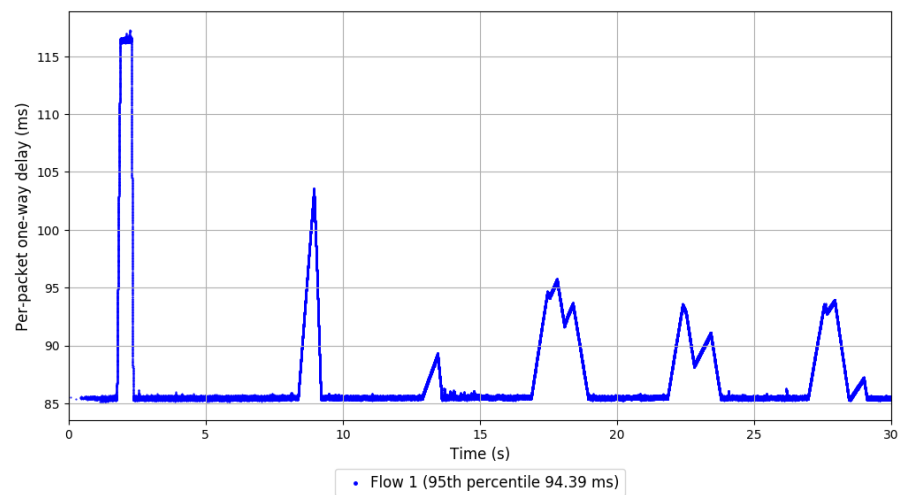
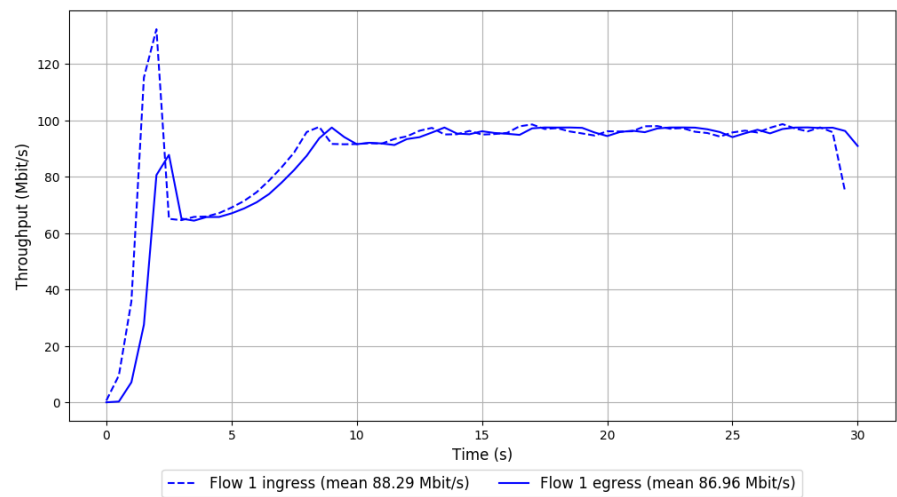
-- Flow 1:

Average throughput: 86.96 Mbit/s

95th percentile per-packet one-way delay: 94.390 ms

Loss rate: 1.50%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-01-21 06:22:32

End at: 2019-01-21 06:23:02

Local clock offset: -6.557 ms

Remote clock offset: 7.294 ms

Below is generated by plot.py at 2019-01-21 07:04:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.89 Mbit/s

95th percentile per-packet one-way delay: 95.789 ms

Loss rate: 1.54%

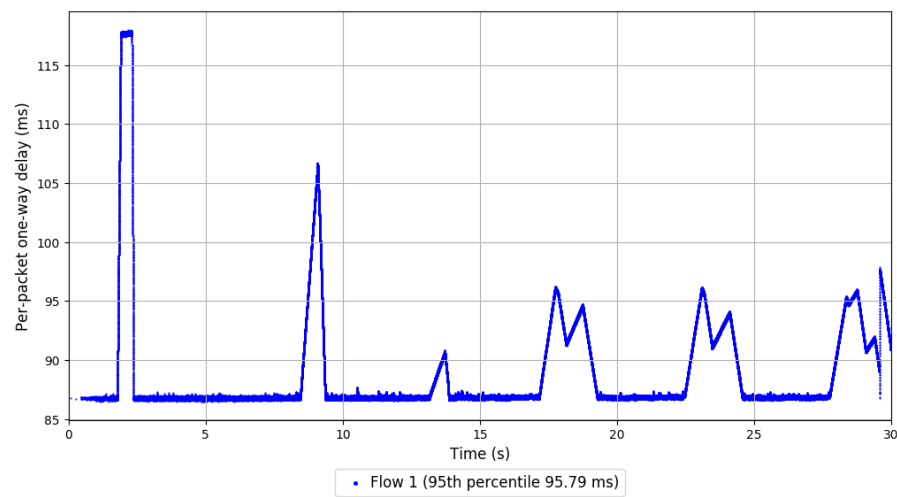
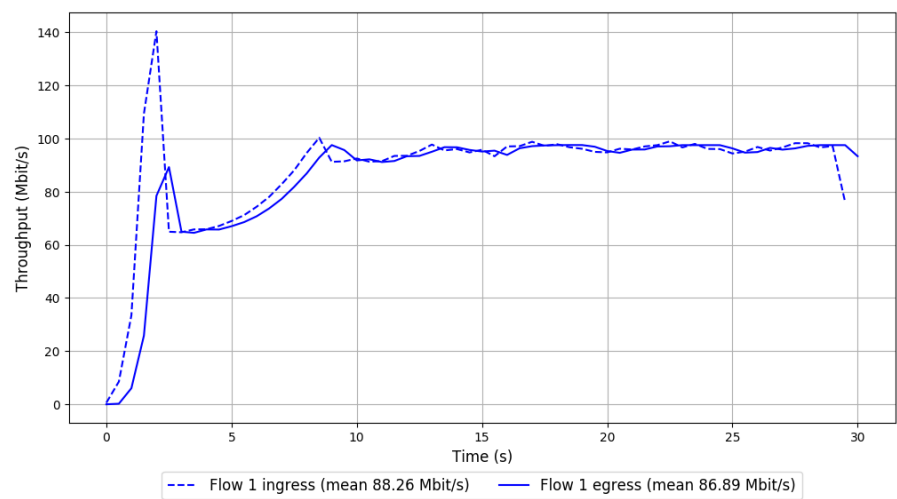
-- Flow 1:

Average throughput: 86.89 Mbit/s

95th percentile per-packet one-way delay: 95.789 ms

Loss rate: 1.54%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-01-21 06:47:11

End at: 2019-01-21 06:47:41

Local clock offset: -5.945 ms

Remote clock offset: 4.117 ms

Below is generated by plot.py at 2019-01-21 07:04:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.23 Mbit/s

95th percentile per-packet one-way delay: 99.587 ms

Loss rate: 1.50%

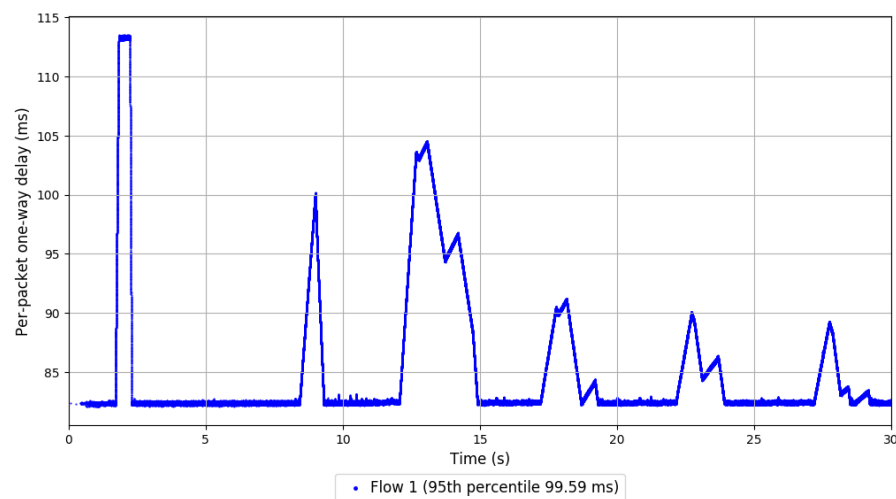
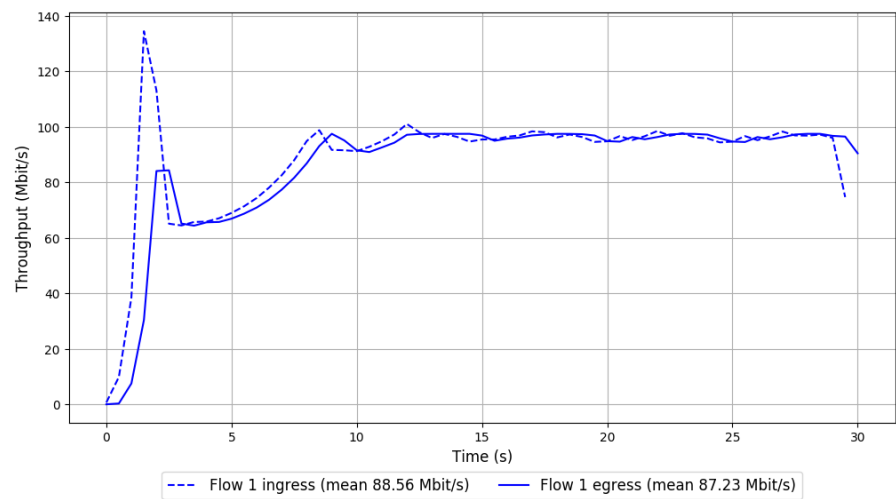
-- Flow 1:

Average throughput: 87.23 Mbit/s

95th percentile per-packet one-way delay: 99.587 ms

Loss rate: 1.50%

Run 5: Report of PCC-Allegro — Data Link

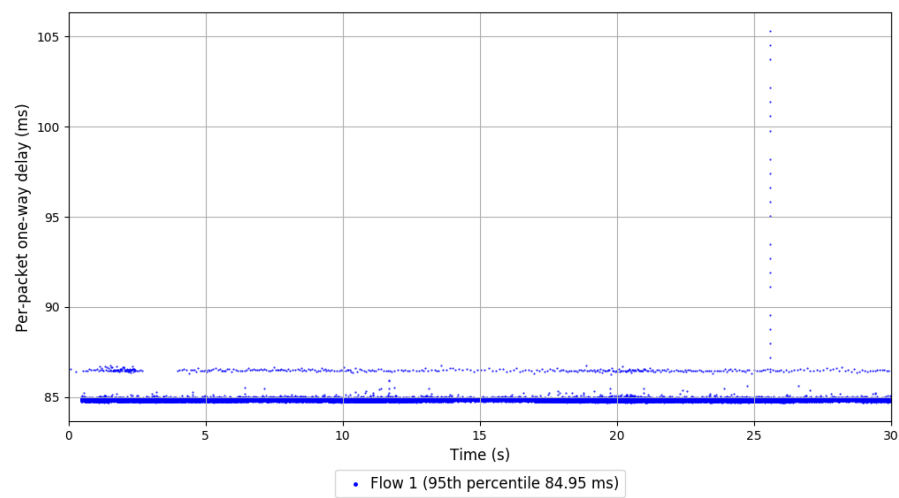
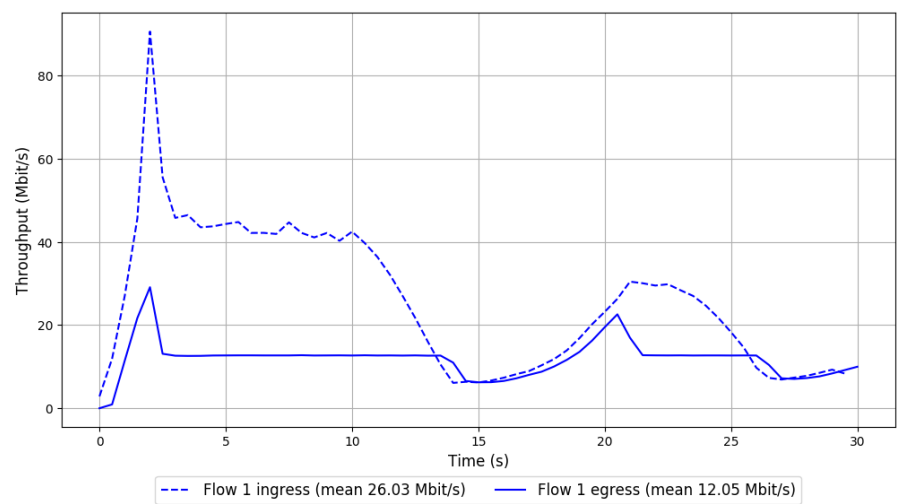



```
Run 1: Statistics of PCC-Expr

Start at: 2019-01-21 05:13:16
End at: 2019-01-21 05:13:46
Local clock offset: -7.97 ms
Remote clock offset: 6.892 ms

# Below is generated by plot.py at 2019-01-21 07:04:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.05 Mbit/s
95th percentile per-packet one-way delay: 84.952 ms
Loss rate: 53.71%
-- Flow 1:
Average throughput: 12.05 Mbit/s
95th percentile per-packet one-way delay: 84.952 ms
Loss rate: 53.71%
```

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2019-01-21 05:37:56

End at: 2019-01-21 05:38:26

Local clock offset: -1.83 ms

Remote clock offset: 3.471 ms

Below is generated by plot.py at 2019-01-21 07:04:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.11 Mbit/s

95th percentile per-packet one-way delay: 81.557 ms

Loss rate: 55.43%

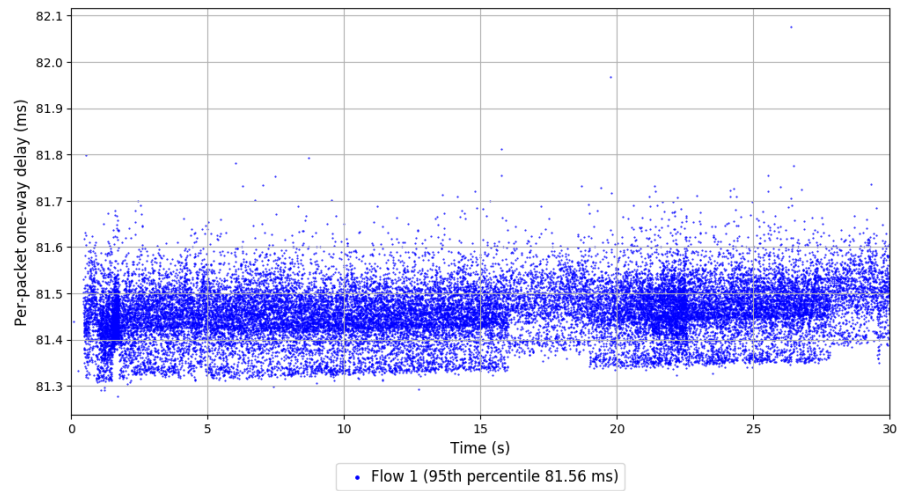
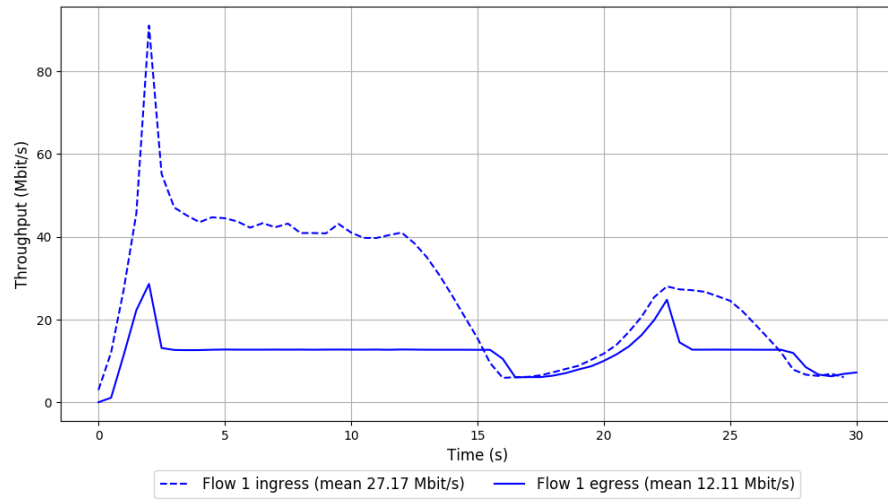
-- Flow 1:

Average throughput: 12.11 Mbit/s

95th percentile per-packet one-way delay: 81.557 ms

Loss rate: 55.43%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-01-21 06:02:35

End at: 2019-01-21 06:03:05

Local clock offset: -5.686 ms

Remote clock offset: 3.284 ms

Below is generated by plot.py at 2019-01-21 07:04:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.00 Mbit/s

95th percentile per-packet one-way delay: 81.165 ms

Loss rate: 48.46%

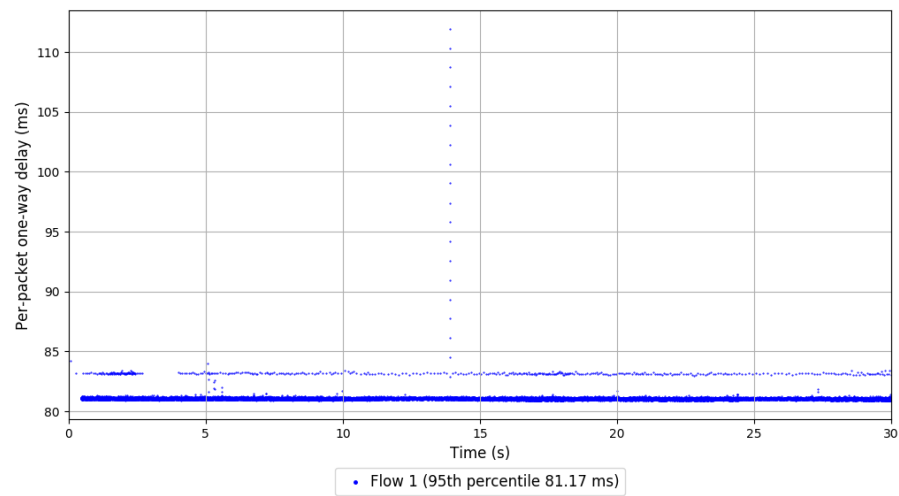
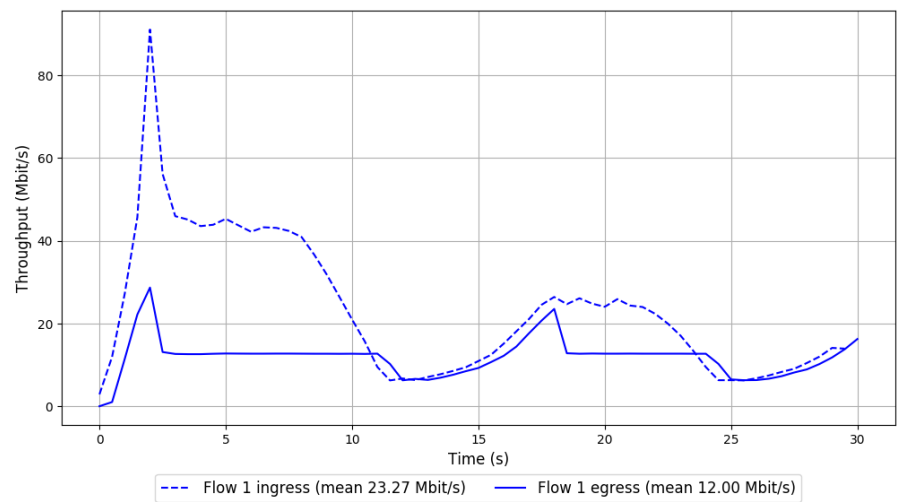
-- Flow 1:

Average throughput: 12.00 Mbit/s

95th percentile per-packet one-way delay: 81.165 ms

Loss rate: 48.46%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2019-01-21 06:27:14

End at: 2019-01-21 06:27:44

Local clock offset: -5.674 ms

Remote clock offset: 3.095 ms

Below is generated by plot.py at 2019-01-21 07:04:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.39 Mbit/s

95th percentile per-packet one-way delay: 80.143 ms

Loss rate: 44.20%

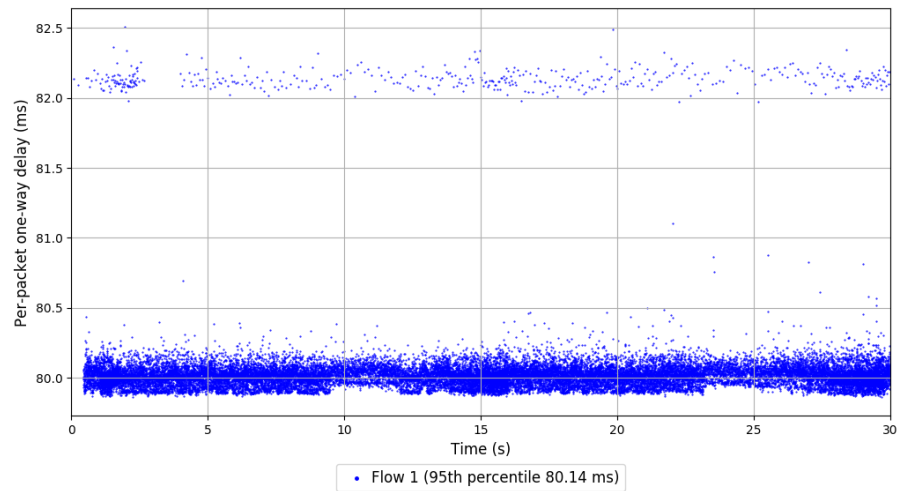
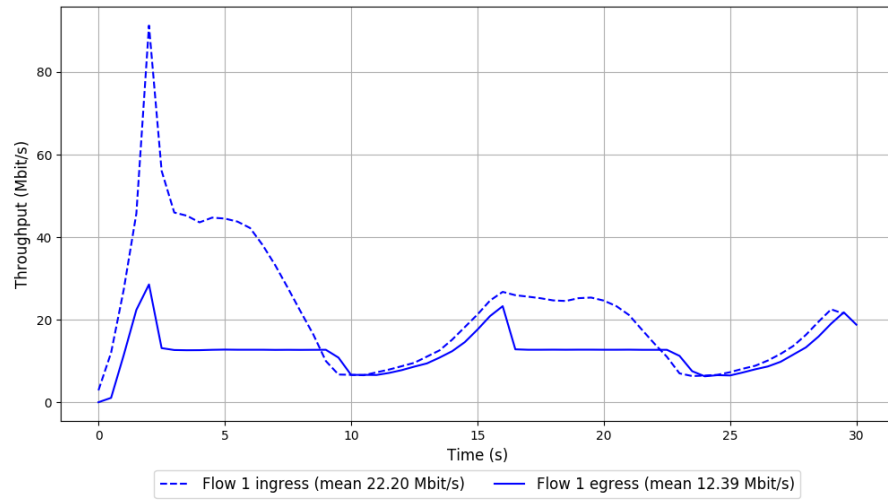
-- Flow 1:

Average throughput: 12.39 Mbit/s

95th percentile per-packet one-way delay: 80.143 ms

Loss rate: 44.20%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2019-01-21 06:51:52

End at: 2019-01-21 06:52:22

Local clock offset: -6.754 ms

Remote clock offset: 4.134 ms

Below is generated by plot.py at 2019-01-21 07:04:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.46 Mbit/s

95th percentile per-packet one-way delay: 83.214 ms

Loss rate: 43.97%

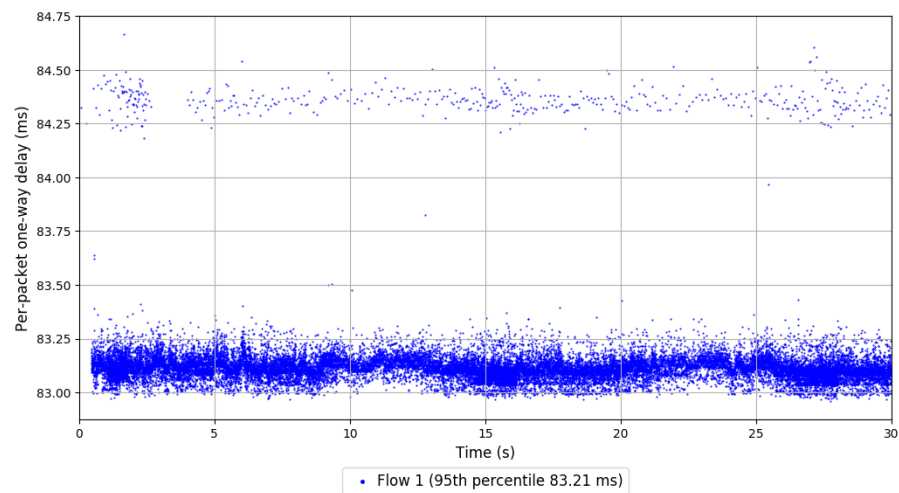
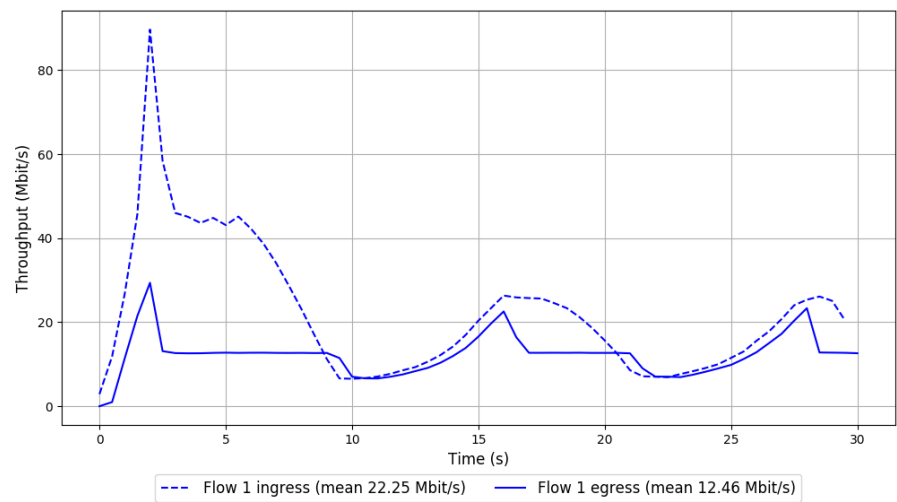
-- Flow 1:

Average throughput: 12.46 Mbit/s

95th percentile per-packet one-way delay: 83.214 ms

Loss rate: 43.97%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-01-21 04:58:01

End at: 2019-01-21 04:58:31

Local clock offset: -7.711 ms

Remote clock offset: 7.155 ms

Below is generated by plot.py at 2019-01-21 07:05:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.38 Mbit/s

95th percentile per-packet one-way delay: 106.740 ms

Loss rate: 0.34%

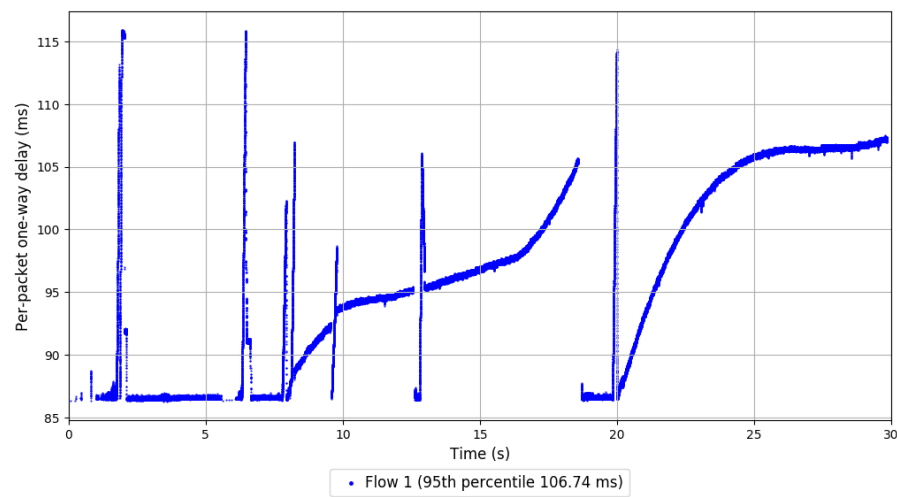
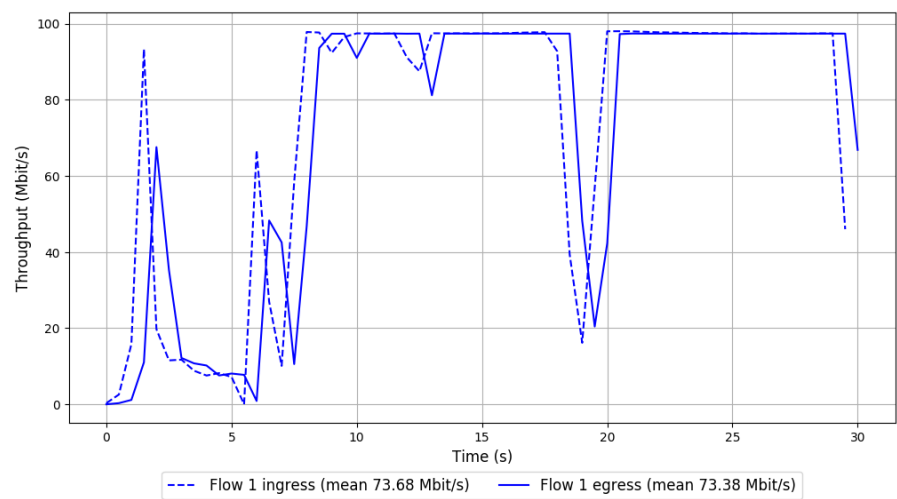
-- Flow 1:

Average throughput: 73.38 Mbit/s

95th percentile per-packet one-way delay: 106.740 ms

Loss rate: 0.34%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-01-21 05:22:40

End at: 2019-01-21 05:23:10

Local clock offset: -3.968 ms

Remote clock offset: 6.691 ms

Below is generated by plot.py at 2019-01-21 07:05:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.74 Mbit/s

95th percentile per-packet one-way delay: 106.480 ms

Loss rate: 0.33%

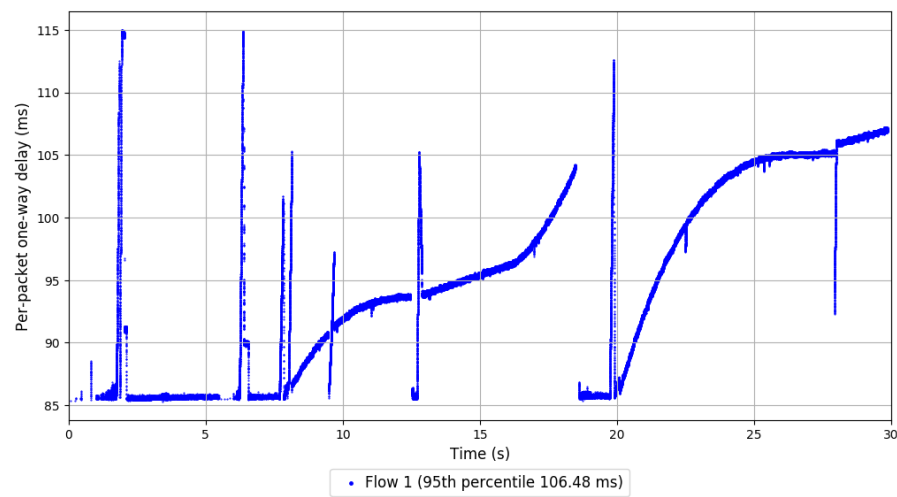
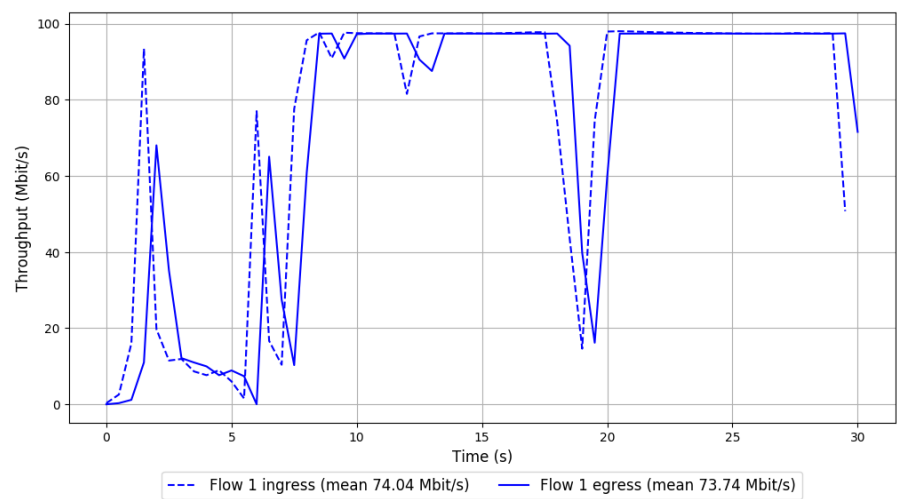
-- Flow 1:

Average throughput: 73.74 Mbit/s

95th percentile per-packet one-way delay: 106.480 ms

Loss rate: 0.33%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-01-21 05:47:20

End at: 2019-01-21 05:47:50

Local clock offset: -1.662 ms

Remote clock offset: 7.562 ms

Below is generated by plot.py at 2019-01-21 07:05:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.71 Mbit/s

95th percentile per-packet one-way delay: 106.259 ms

Loss rate: 0.33%

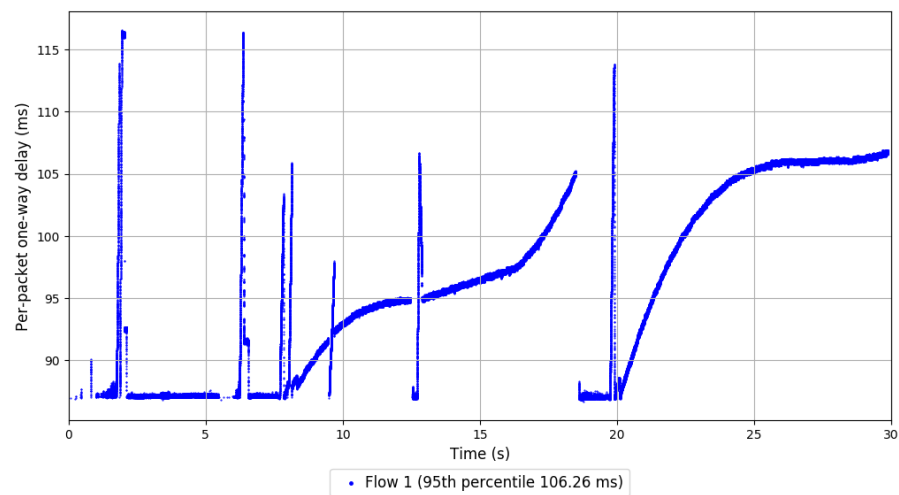
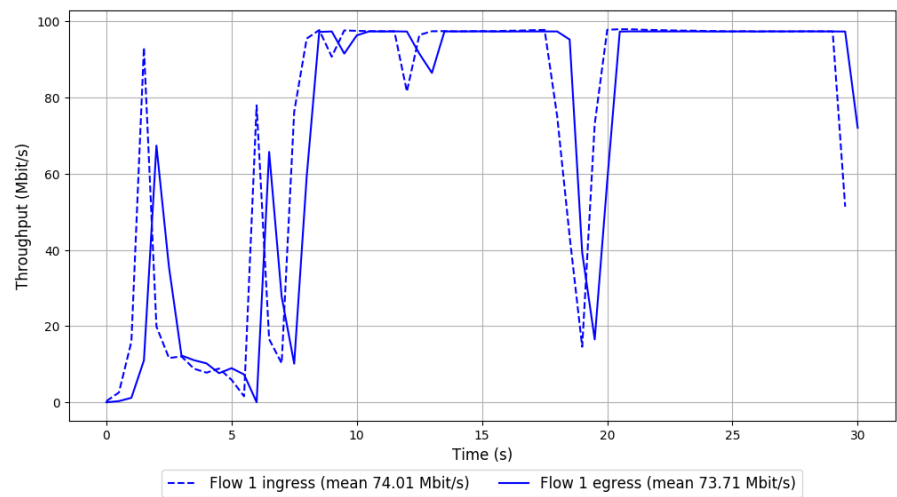
-- Flow 1:

Average throughput: 73.71 Mbit/s

95th percentile per-packet one-way delay: 106.259 ms

Loss rate: 0.33%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-01-21 06:11:59

End at: 2019-01-21 06:12:29

Local clock offset: -5.613 ms

Remote clock offset: 7.38 ms

Below is generated by plot.py at 2019-01-21 07:05:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.16 Mbit/s

95th percentile per-packet one-way delay: 92.842 ms

Loss rate: 0.34%

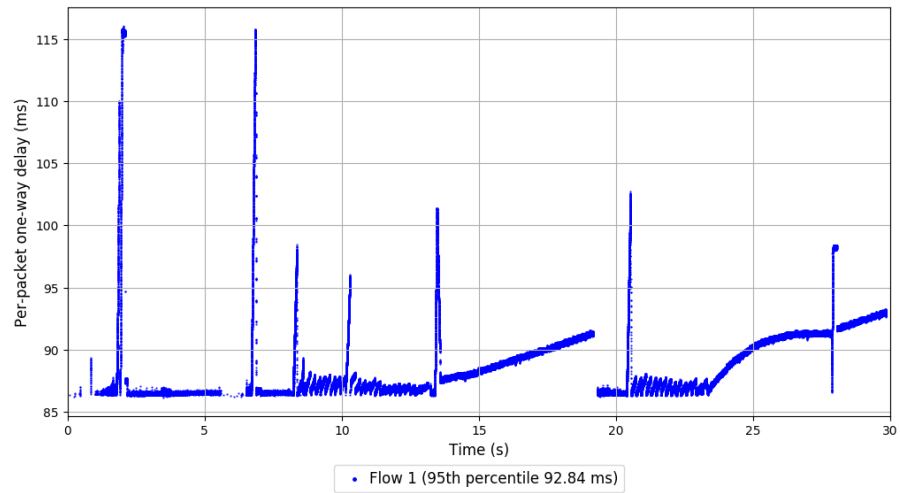
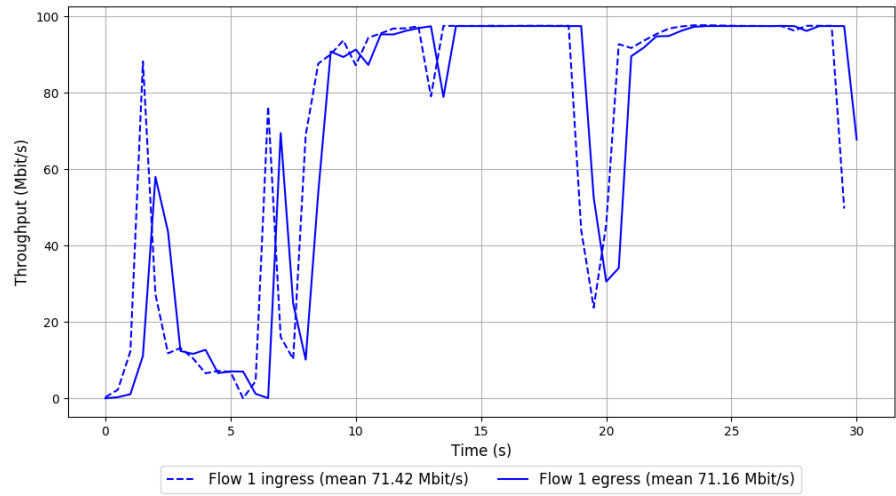
-- Flow 1:

Average throughput: 71.16 Mbit/s

95th percentile per-packet one-way delay: 92.842 ms

Loss rate: 0.34%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-01-21 06:36:37

End at: 2019-01-21 06:37:07

Local clock offset: -5.851 ms

Remote clock offset: 3.303 ms

Below is generated by plot.py at 2019-01-21 07:05:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.33 Mbit/s

95th percentile per-packet one-way delay: 98.635 ms

Loss rate: 0.37%

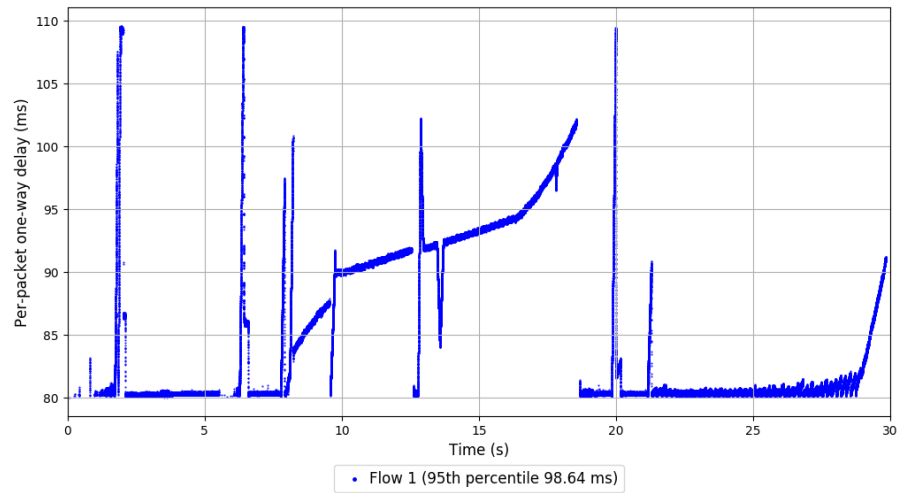
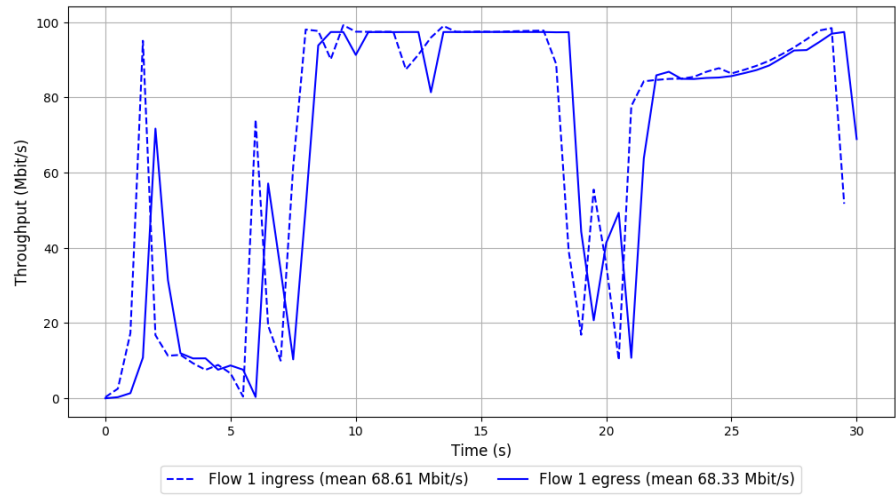
-- Flow 1:

Average throughput: 68.33 Mbit/s

95th percentile per-packet one-way delay: 98.635 ms

Loss rate: 0.37%

Run 5: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

Start at: 2019-01-21 05:00:25

End at: 2019-01-21 05:00:55

Local clock offset: -7.714 ms

Remote clock offset: 7.233 ms

Below is generated by plot.py at 2019-01-21 07:05:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.759 ms

Loss rate: 0.00%

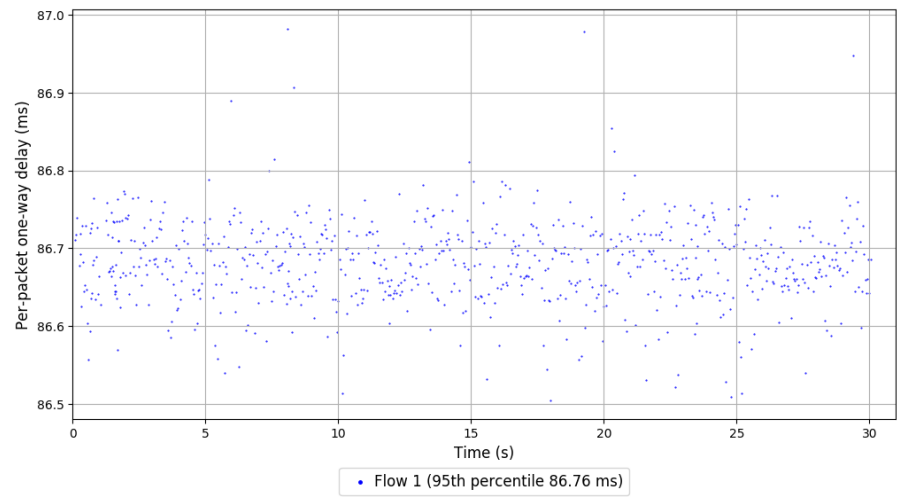
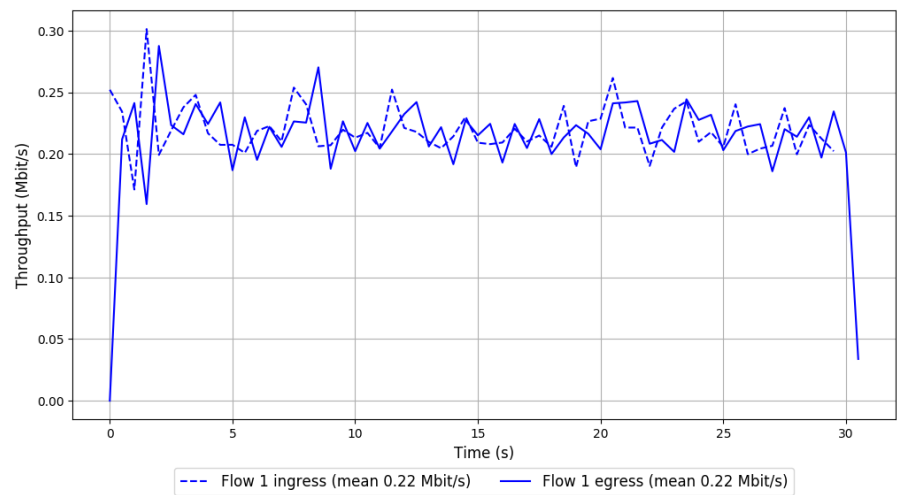
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.759 ms

Loss rate: 0.00%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2019-01-21 05:25:03

End at: 2019-01-21 05:25:33

Local clock offset: -3.253 ms

Remote clock offset: 3.406 ms

Below is generated by plot.py at 2019-01-21 07:05:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 82.505 ms

Loss rate: 0.00%

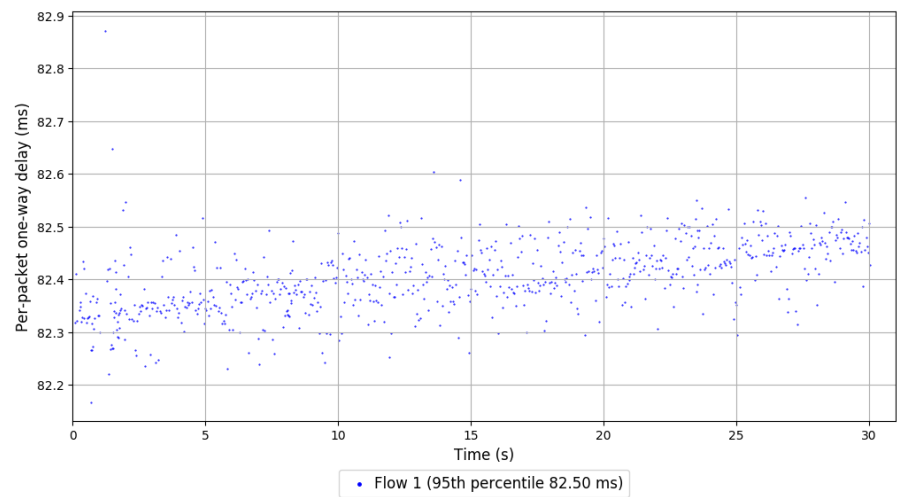
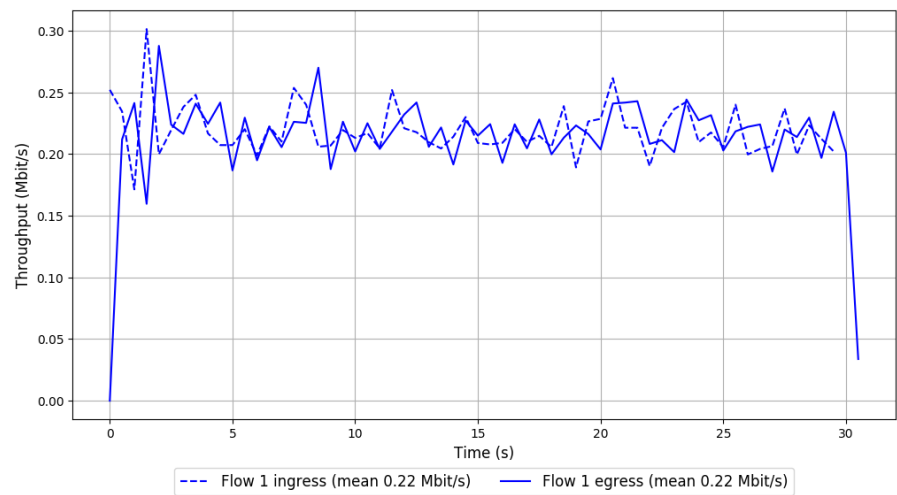
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 82.505 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2019-01-21 05:49:43

End at: 2019-01-21 05:50:13

Local clock offset: -1.903 ms

Remote clock offset: 6.875 ms

Below is generated by plot.py at 2019-01-21 07:05:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 85.288 ms

Loss rate: 0.00%

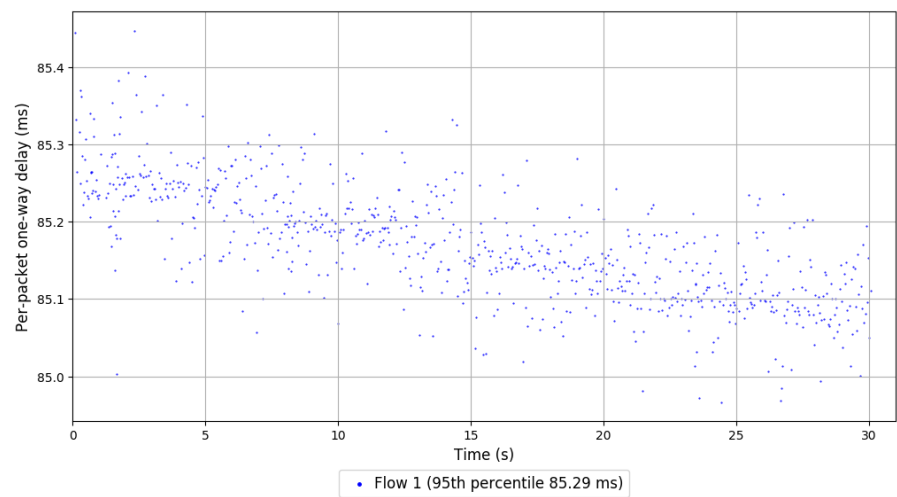
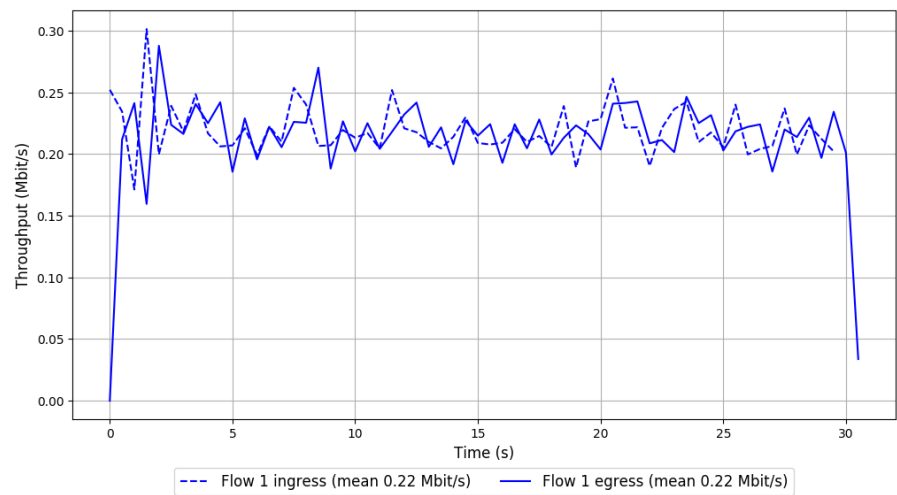
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 85.288 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2019-01-21 06:14:22

End at: 2019-01-21 06:14:52

Local clock offset: -5.73 ms

Remote clock offset: 6.68 ms

Below is generated by plot.py at 2019-01-21 07:05:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 84.630 ms

Loss rate: 0.00%

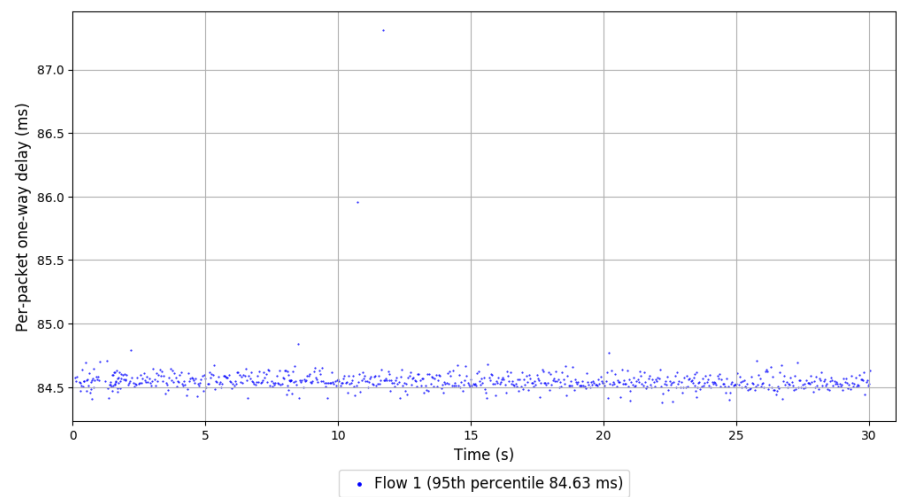
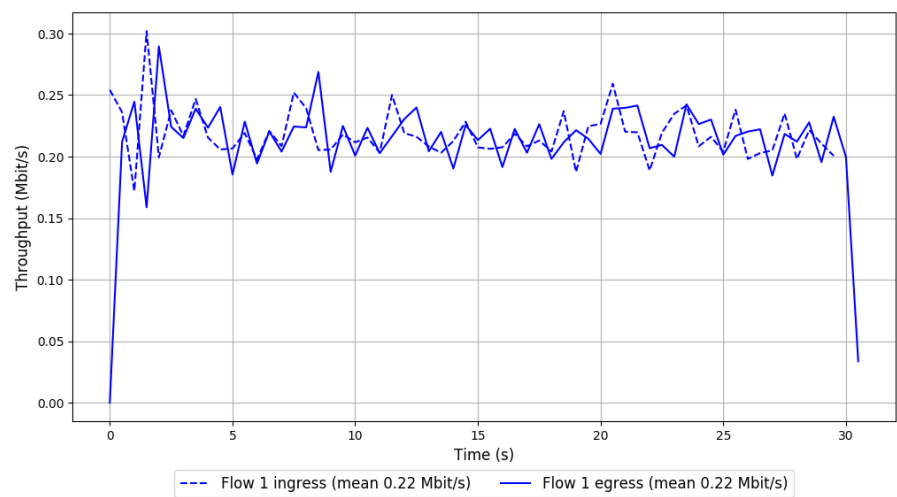
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 84.630 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2019-01-21 06:39:00

End at: 2019-01-21 06:39:30

Local clock offset: -5.817 ms

Remote clock offset: 3.601 ms

Below is generated by plot.py at 2019-01-21 07:05:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 83.486 ms

Loss rate: 0.00%

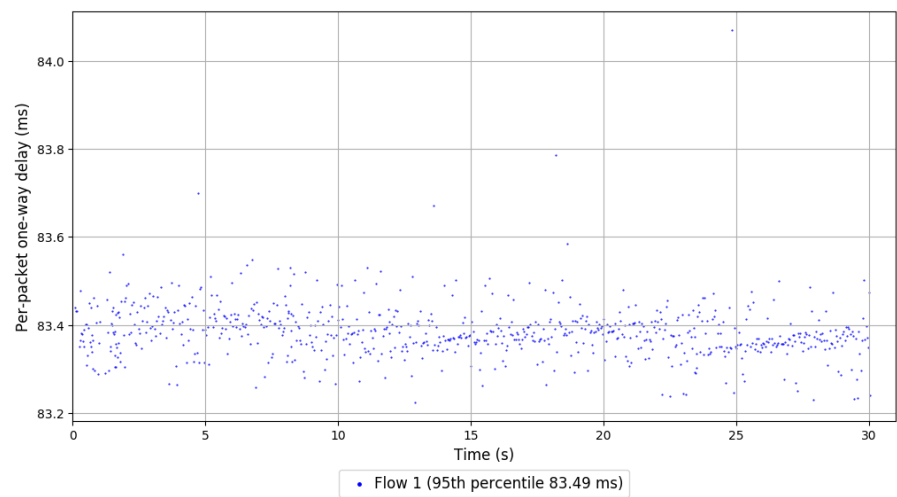
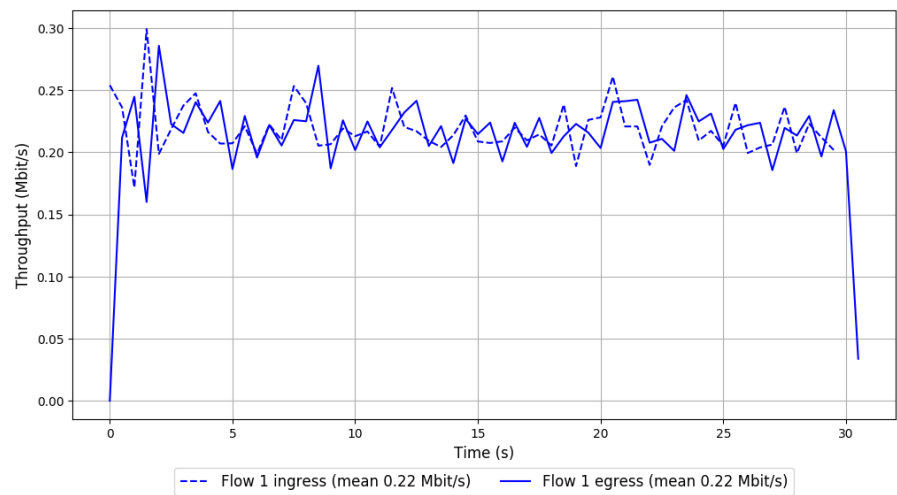
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 83.486 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2019-01-21 05:05:03

End at: 2019-01-21 05:05:33

Local clock offset: -7.006 ms

Remote clock offset: 3.161 ms

Below is generated by plot.py at 2019-01-21 07:05:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.29 Mbit/s

95th percentile per-packet one-way delay: 87.317 ms

Loss rate: 0.00%

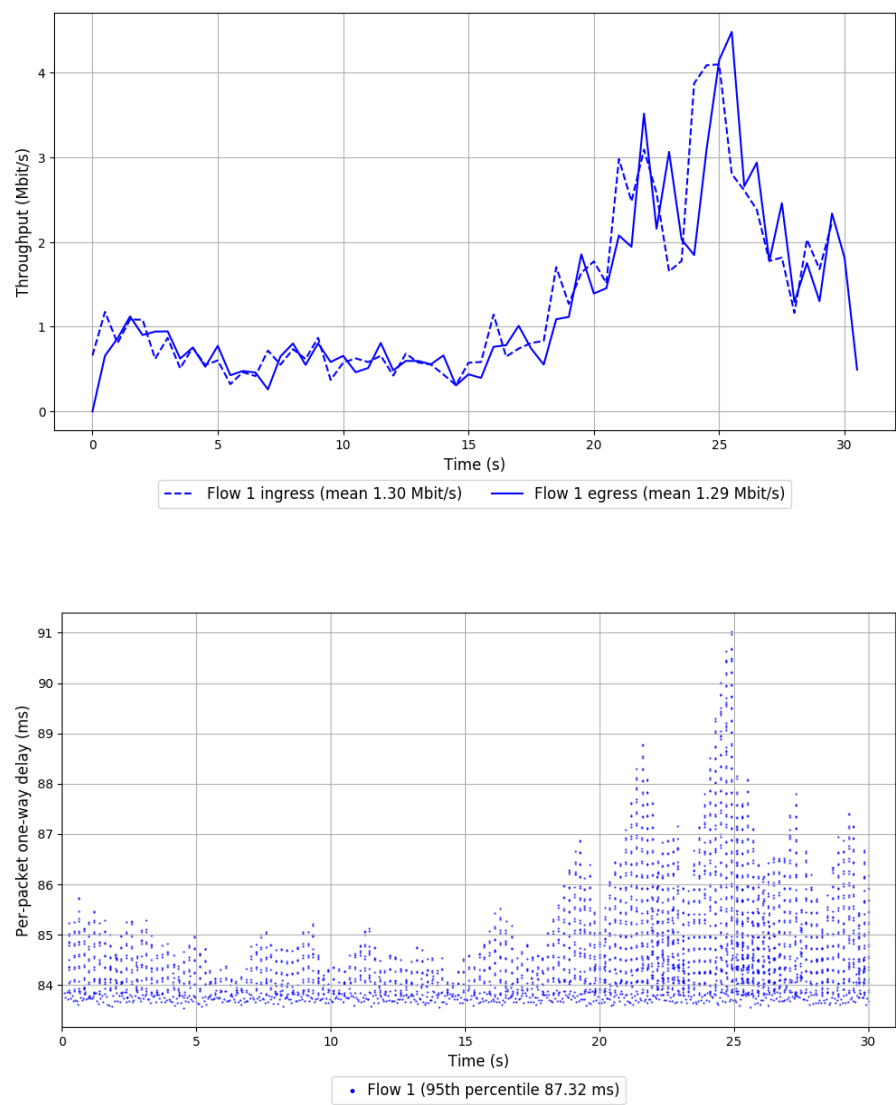
-- Flow 1:

Average throughput: 1.29 Mbit/s

95th percentile per-packet one-way delay: 87.317 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2019-01-21 05:29:41

End at: 2019-01-21 05:30:11

Local clock offset: -2.987 ms

Remote clock offset: 6.975 ms

Below is generated by plot.py at 2019-01-21 07:05:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.99 Mbit/s

95th percentile per-packet one-way delay: 89.811 ms

Loss rate: 0.00%

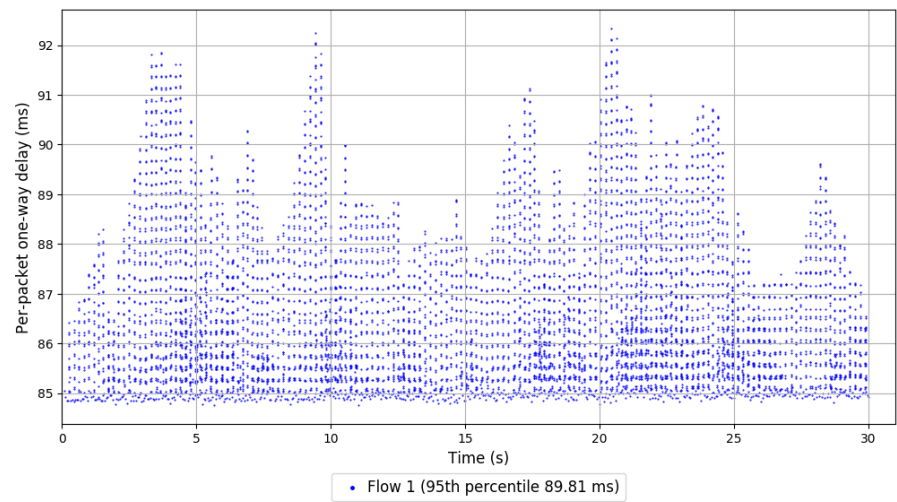
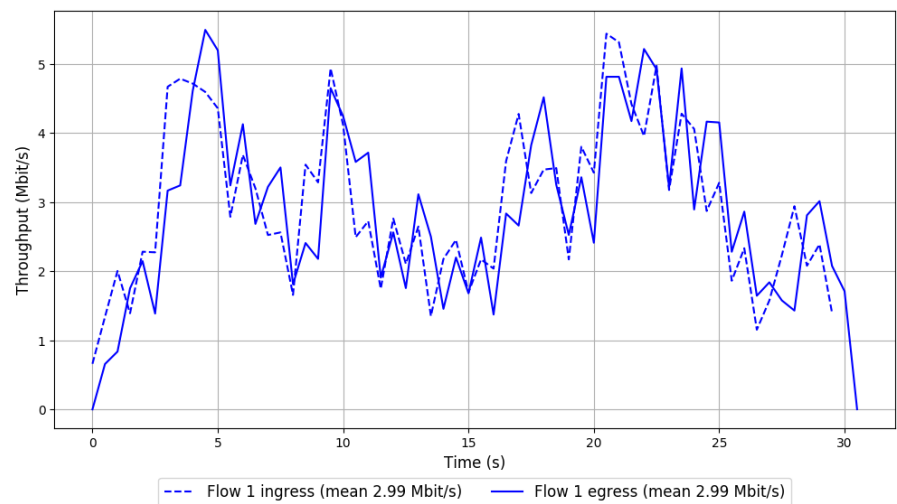
-- Flow 1:

Average throughput: 2.99 Mbit/s

95th percentile per-packet one-way delay: 89.811 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

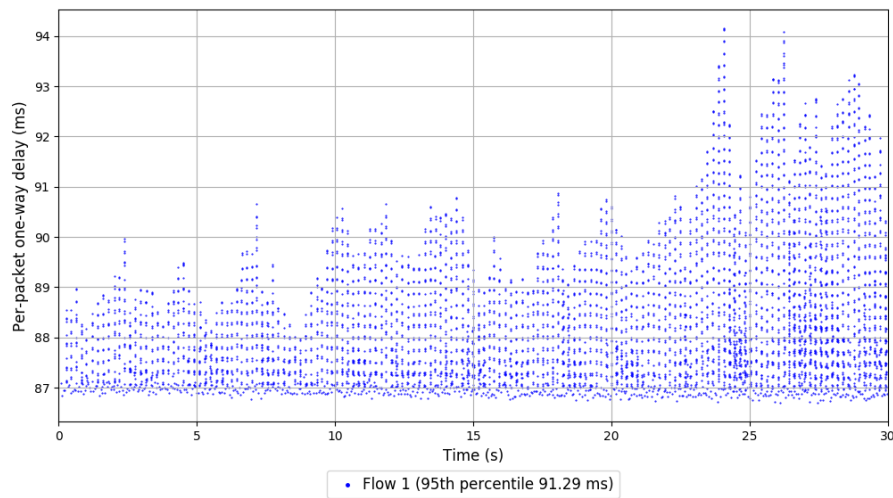
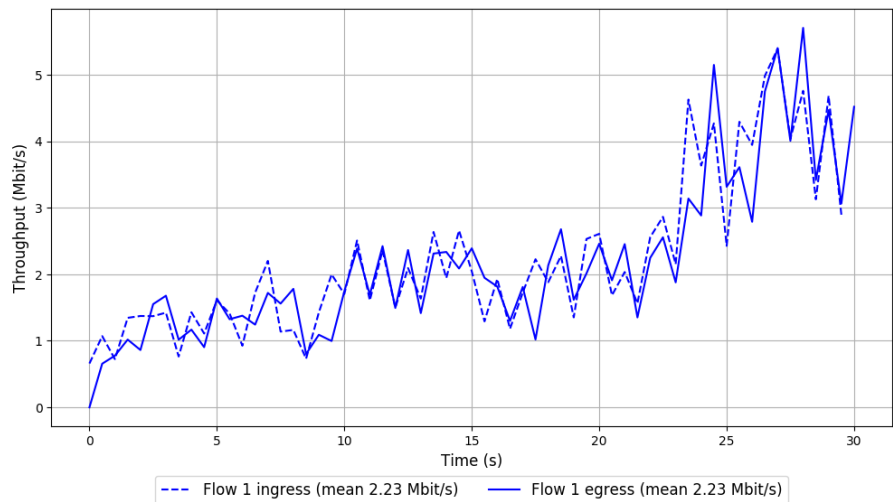


Run 3: Statistics of Sprout

Start at: 2019-01-21 05:54:21
End at: 2019-01-21 05:54:51
Local clock offset: -4.268 ms
Remote clock offset: 6.628 ms

Below is generated by plot.py at 2019-01-21 07:05:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 91.289 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 91.289 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

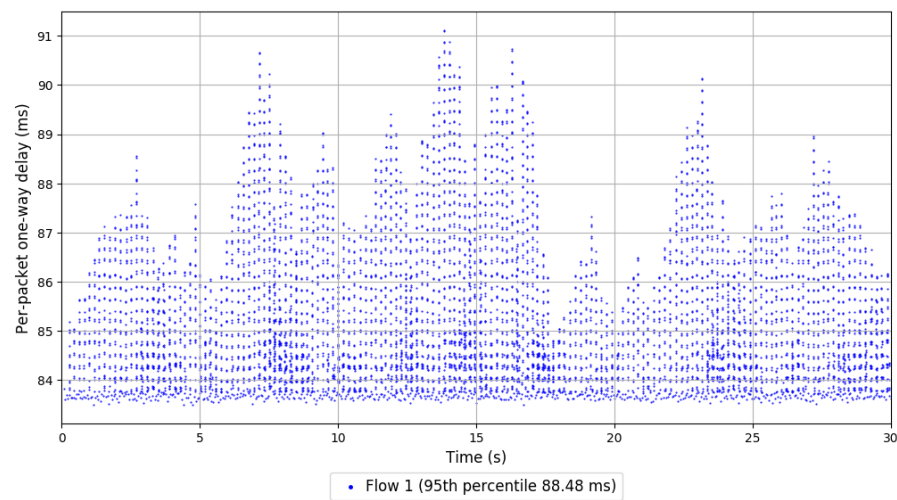
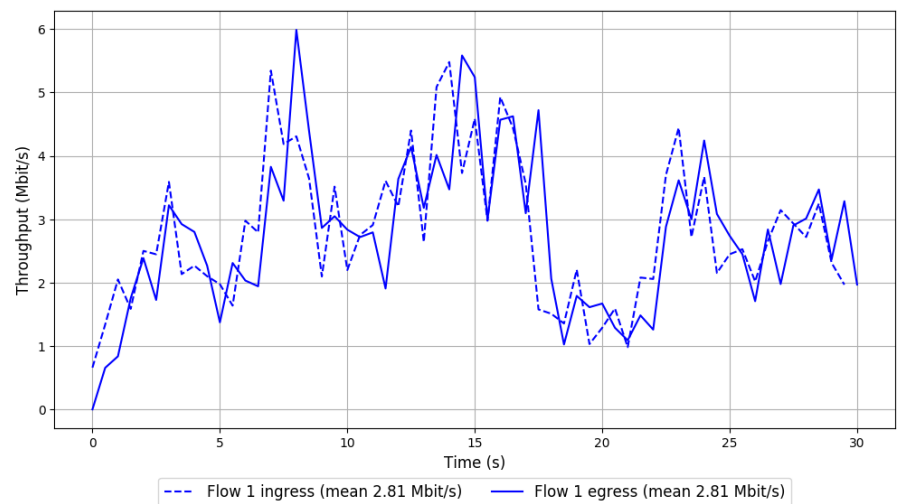


Run 4: Statistics of Sprout

Start at: 2019-01-21 06:19:00
End at: 2019-01-21 06:19:30
Local clock offset: -5.699 ms
Remote clock offset: 7.109 ms

Below is generated by plot.py at 2019-01-21 07:05:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.81 Mbit/s
95th percentile per-packet one-way delay: 88.481 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.81 Mbit/s
95th percentile per-packet one-way delay: 88.481 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2019-01-21 06:43:38

End at: 2019-01-21 06:44:08

Local clock offset: -5.891 ms

Remote clock offset: 7.274 ms

Below is generated by plot.py at 2019-01-21 07:05:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 89.605 ms

Loss rate: 0.00%

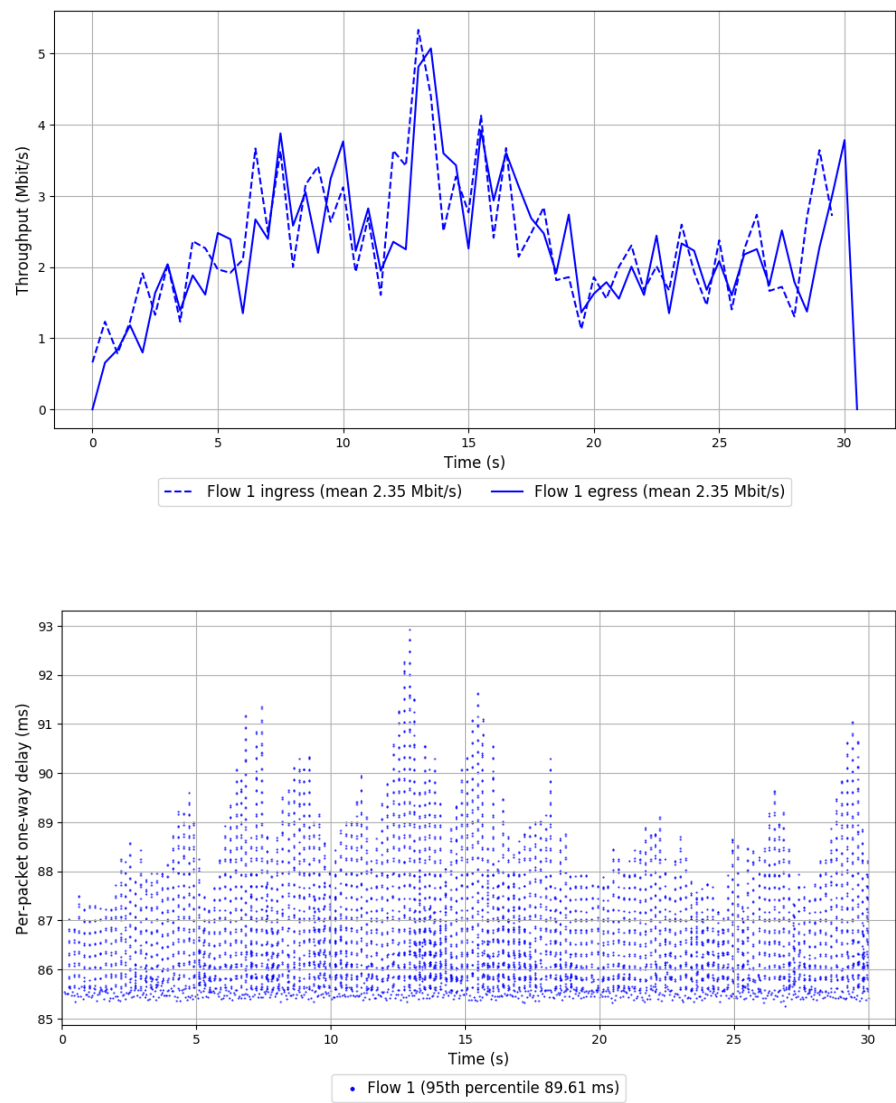
-- Flow 1:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 89.605 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

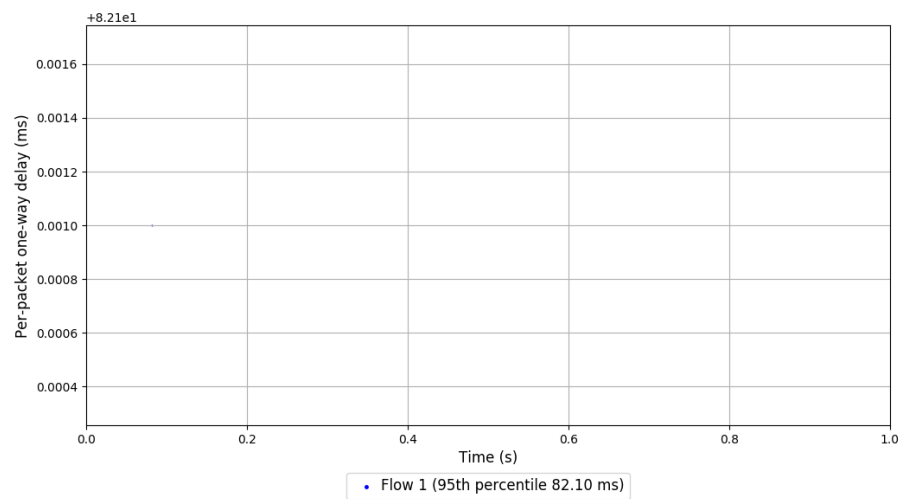
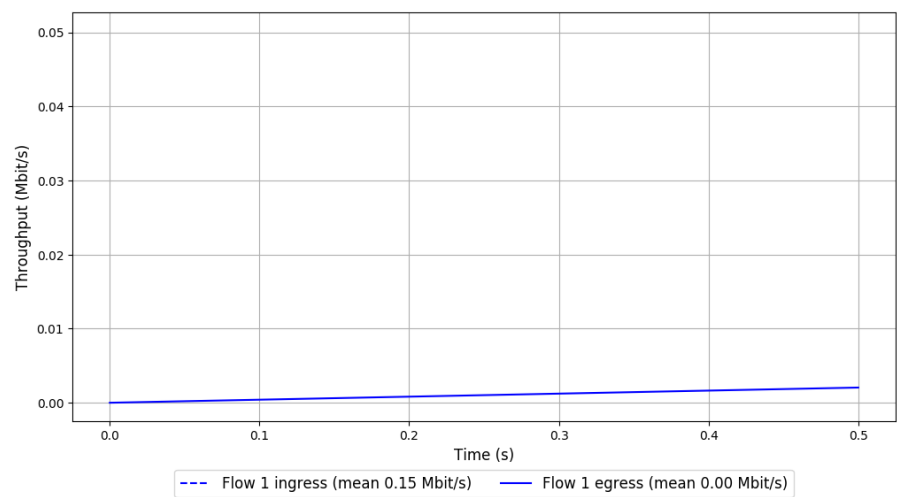
Start at: 2019-01-21 04:54:29

End at: 2019-01-21 04:54:59

Local clock offset: -7.744 ms

Remote clock offset: 3.437 ms

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



Run 2: Statistics of TaoVA-100x

Start at: 2019-01-21 05:19:06

End at: 2019-01-21 05:19:36

Local clock offset: -5.594 ms

Remote clock offset: 3.356 ms

Below is generated by plot.py at 2019-01-21 07:05:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.59 Mbit/s

95th percentile per-packet one-way delay: 82.861 ms

Loss rate: 31.90%

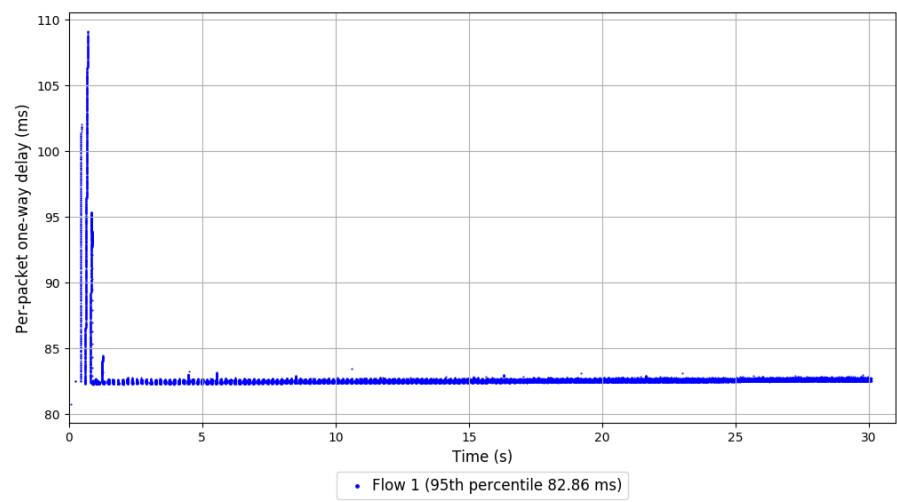
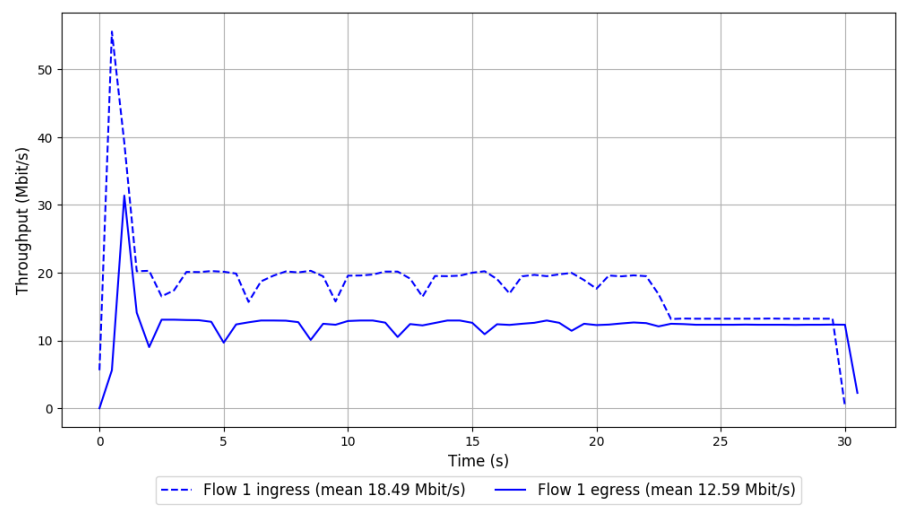
-- Flow 1:

Average throughput: 12.59 Mbit/s

95th percentile per-packet one-way delay: 82.861 ms

Loss rate: 31.90%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-01-21 05:43:46

End at: 2019-01-21 05:44:16

Local clock offset: -0.467 ms

Remote clock offset: 3.549 ms

Below is generated by plot.py at 2019-01-21 07:05:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.59 Mbit/s

95th percentile per-packet one-way delay: 80.911 ms

Loss rate: 33.00%

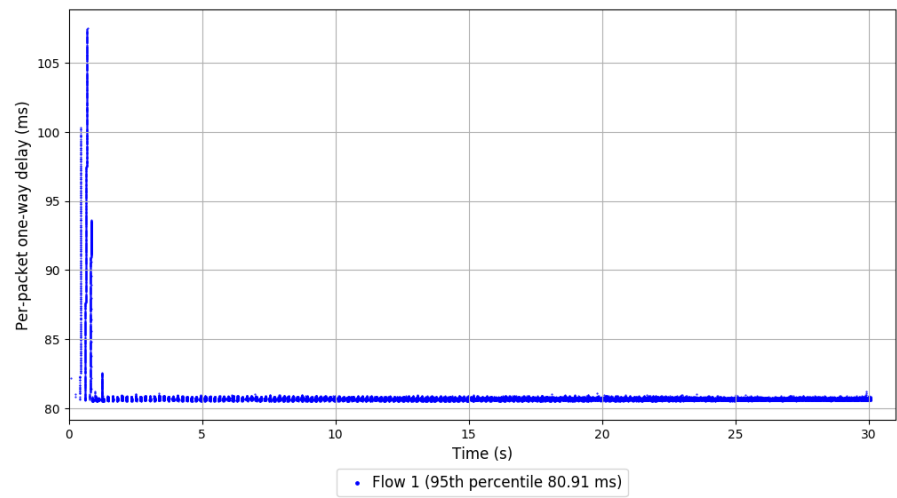
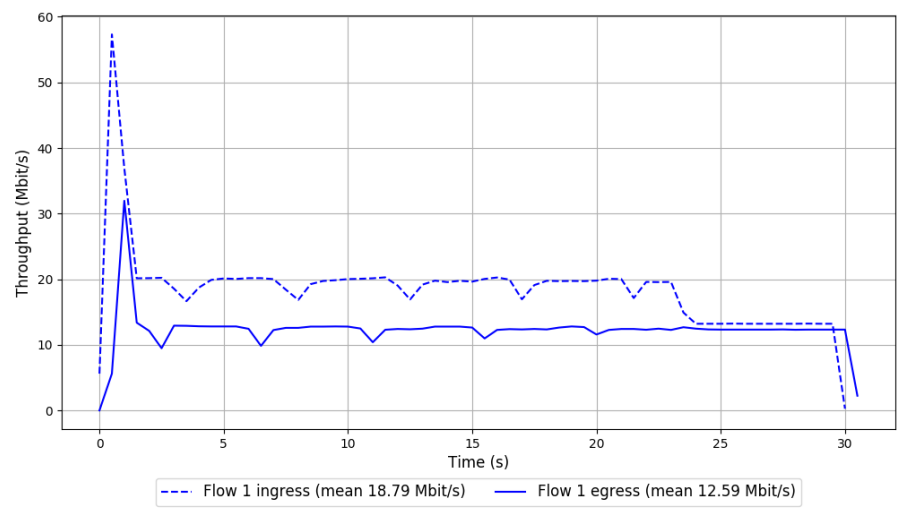
-- Flow 1:

Average throughput: 12.59 Mbit/s

95th percentile per-packet one-way delay: 80.911 ms

Loss rate: 33.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-01-21 06:08:25

End at: 2019-01-21 06:08:55

Local clock offset: -6.168 ms

Remote clock offset: 7.449 ms

Below is generated by plot.py at 2019-01-21 07:05:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.58 Mbit/s

95th percentile per-packet one-way delay: 87.169 ms

Loss rate: 36.15%

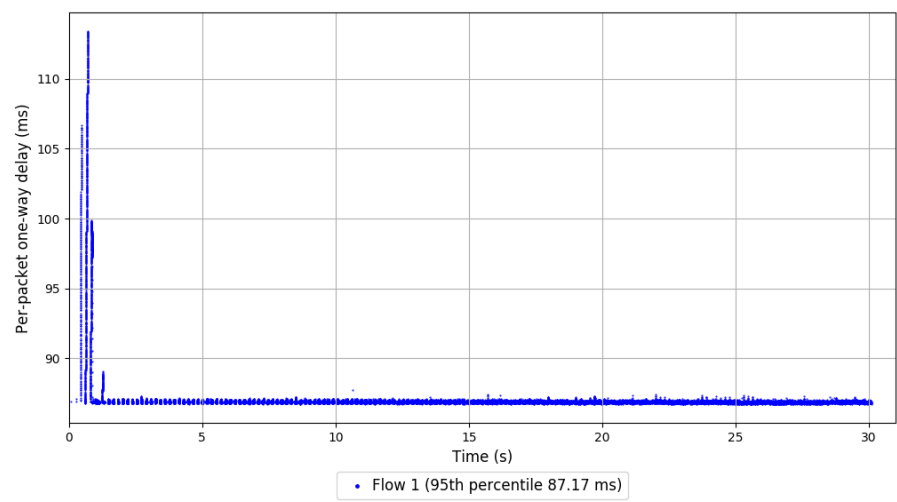
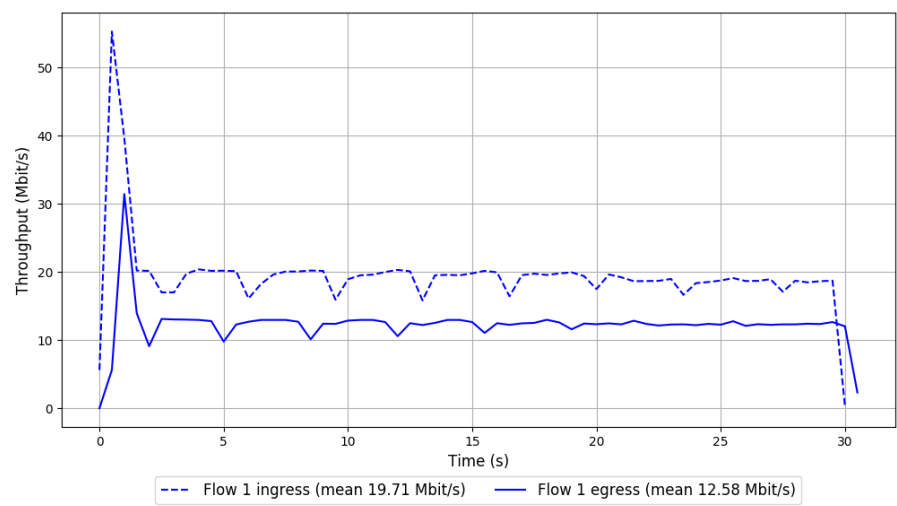
-- Flow 1:

Average throughput: 12.58 Mbit/s

95th percentile per-packet one-way delay: 87.169 ms

Loss rate: 36.15%

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



Run 5: Statistics of TaoVA-100x

Start at: 2019-01-21 06:33:03

End at: 2019-01-21 06:33:34

Local clock offset: -6.623 ms

Remote clock offset: 7.155 ms

Below is generated by plot.py at 2019-01-21 07:05:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.59 Mbit/s

95th percentile per-packet one-way delay: 85.370 ms

Loss rate: 31.76%

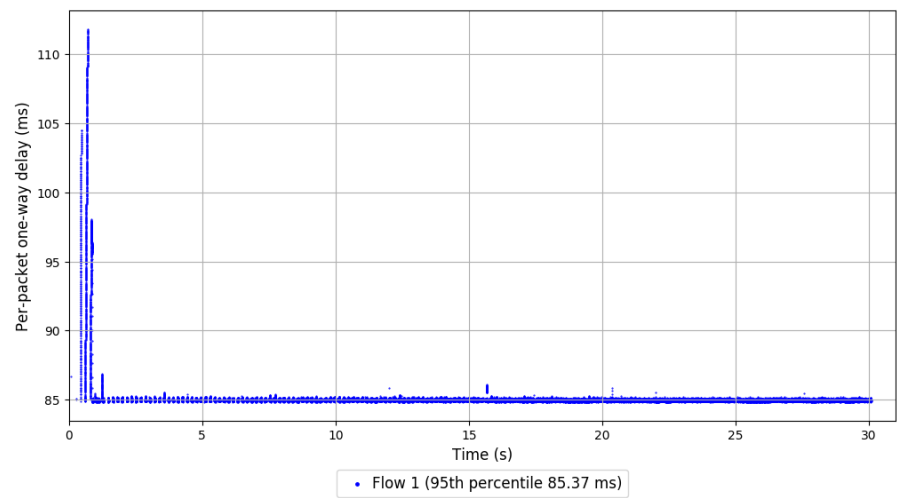
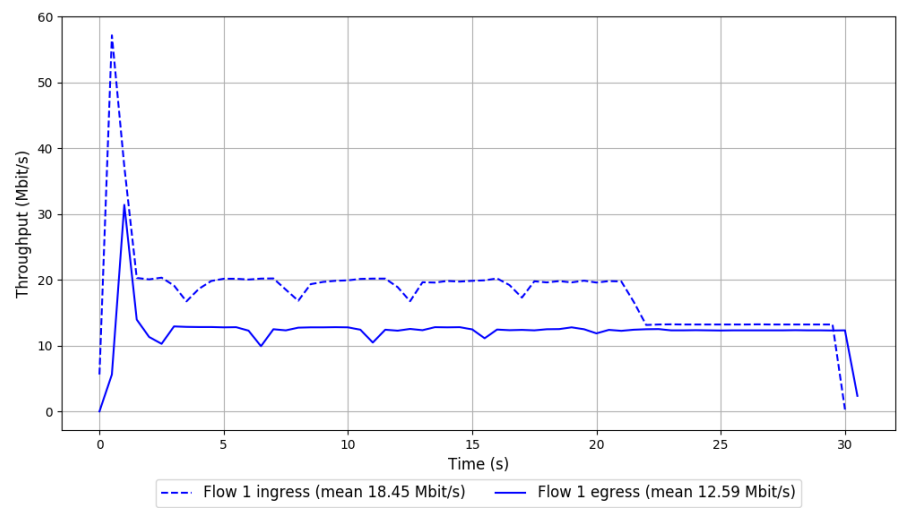
-- Flow 1:

Average throughput: 12.59 Mbit/s

95th percentile per-packet one-way delay: 85.370 ms

Loss rate: 31.76%

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



Run 1: Statistics of TCP Vegas

Start at: 2019-01-21 05:10:58

End at: 2019-01-21 05:11:28

Local clock offset: -7.911 ms

Remote clock offset: 7.091 ms

Below is generated by plot.py at 2019-01-21 07:05:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.41 Mbit/s

95th percentile per-packet one-way delay: 87.388 ms

Loss rate: 1.16%

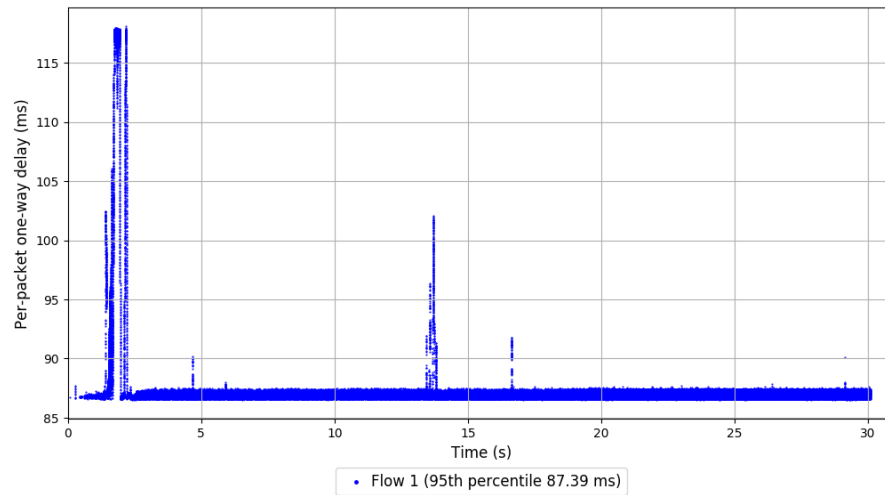
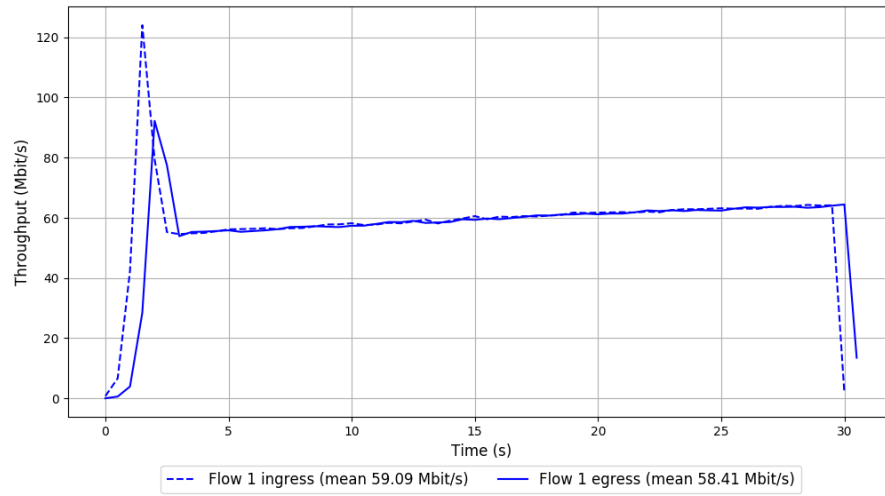
-- Flow 1:

Average throughput: 58.41 Mbit/s

95th percentile per-packet one-way delay: 87.388 ms

Loss rate: 1.16%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2019-01-21 05:35:37

End at: 2019-01-21 05:36:07

Local clock offset: -1.247 ms

Remote clock offset: 2.916 ms

Below is generated by plot.py at 2019-01-21 07:06:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.48 Mbit/s

95th percentile per-packet one-way delay: 98.415 ms

Loss rate: 0.65%

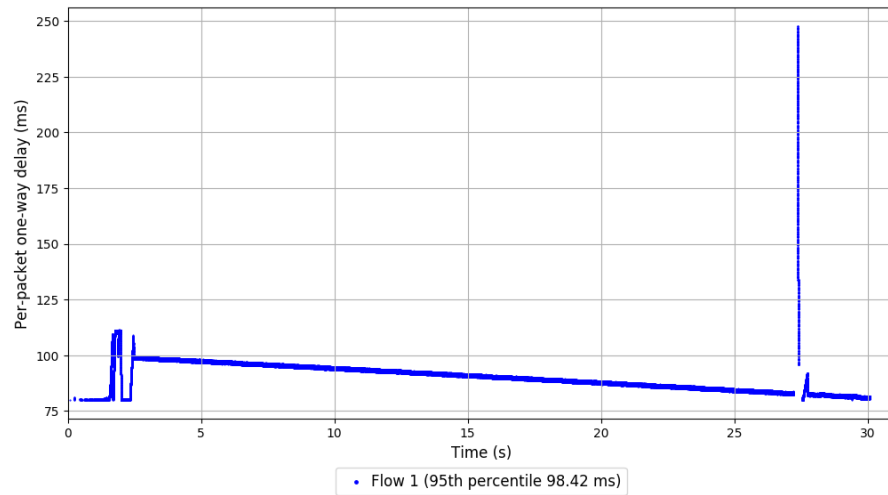
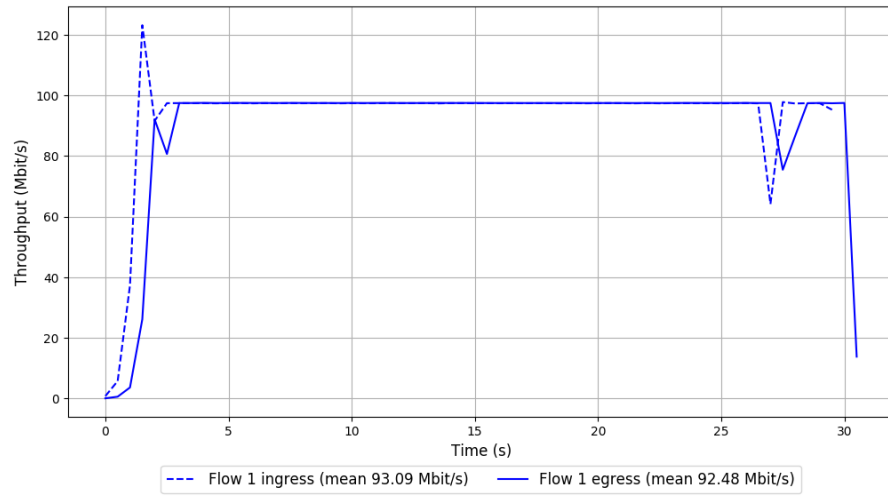
-- Flow 1:

Average throughput: 92.48 Mbit/s

95th percentile per-packet one-way delay: 98.415 ms

Loss rate: 0.65%

Run 2: Report of TCP Vegas — Data Link

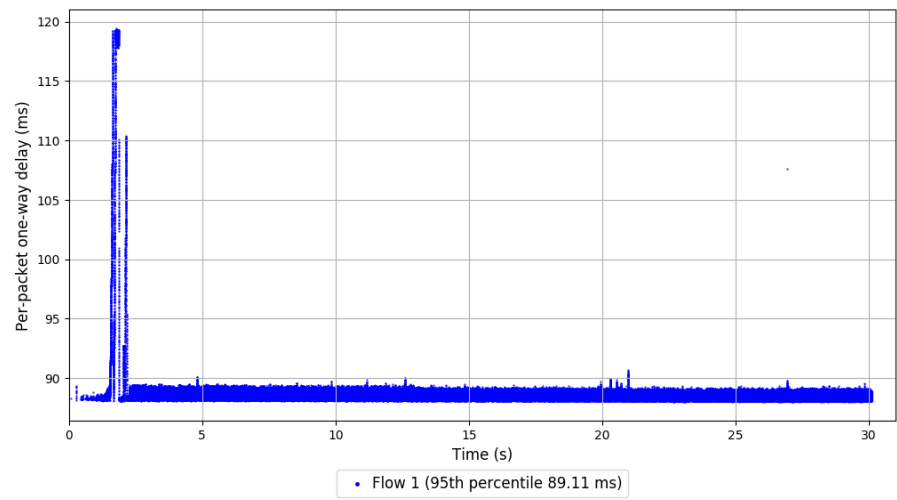
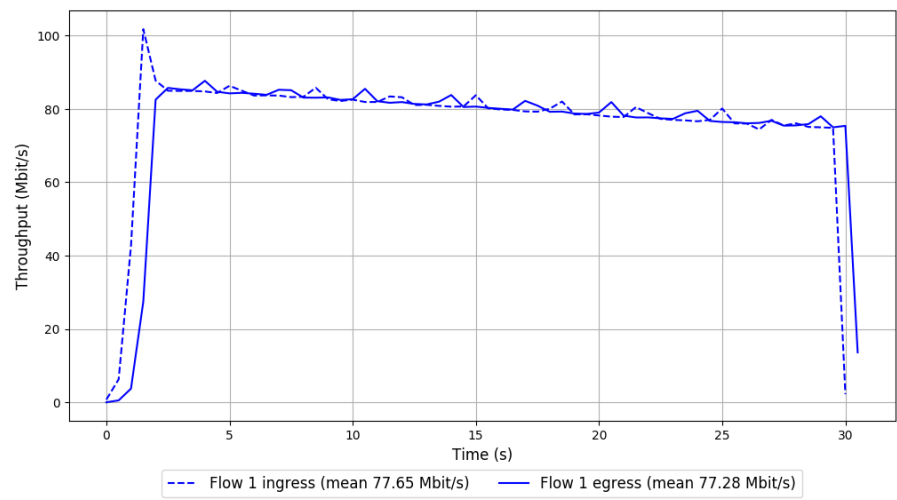


Run 3: Statistics of TCP Vegas

Start at: 2019-01-21 06:00:16
End at: 2019-01-21 06:00:46
Local clock offset: -5.376 ms
Remote clock offset: 6.88 ms

Below is generated by plot.py at 2019-01-21 07:06:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.28 Mbit/s
95th percentile per-packet one-way delay: 89.107 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 77.28 Mbit/s
95th percentile per-packet one-way delay: 89.107 ms
Loss rate: 0.48%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2019-01-21 06:24:55

End at: 2019-01-21 06:25:25

Local clock offset: -6.569 ms

Remote clock offset: 6.865 ms

Below is generated by plot.py at 2019-01-21 07:06:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.48 Mbit/s

95th percentile per-packet one-way delay: 87.488 ms

Loss rate: 0.41%

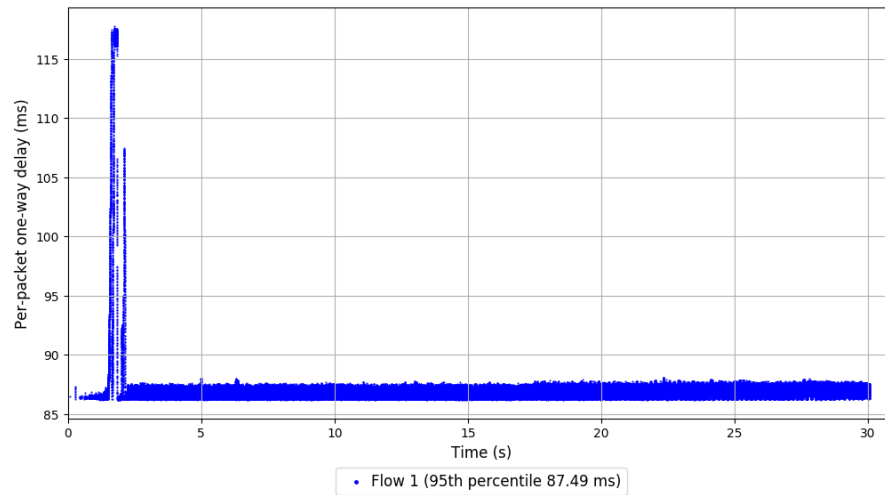
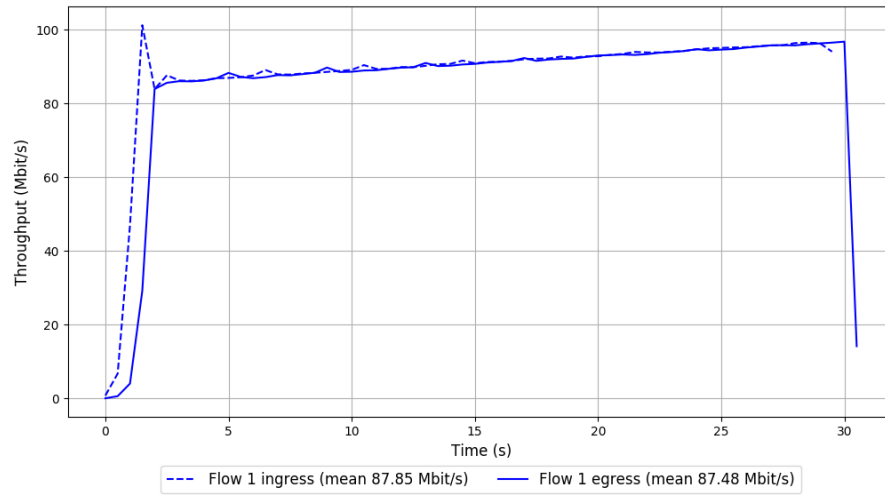
-- Flow 1:

Average throughput: 87.48 Mbit/s

95th percentile per-packet one-way delay: 87.488 ms

Loss rate: 0.41%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2019-01-21 06:49:33

End at: 2019-01-21 06:50:03

Local clock offset: -6.813 ms

Remote clock offset: 4.127 ms

Below is generated by plot.py at 2019-01-21 07:06:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.85 Mbit/s

95th percentile per-packet one-way delay: 83.375 ms

Loss rate: 0.44%

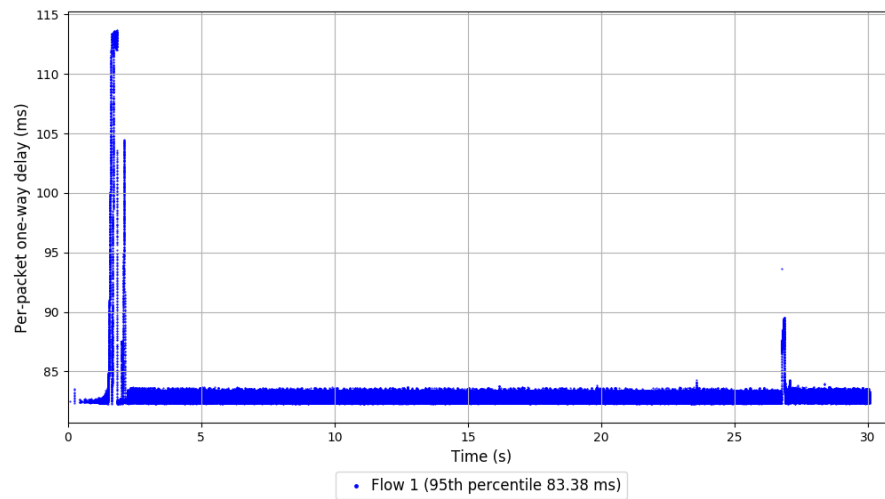
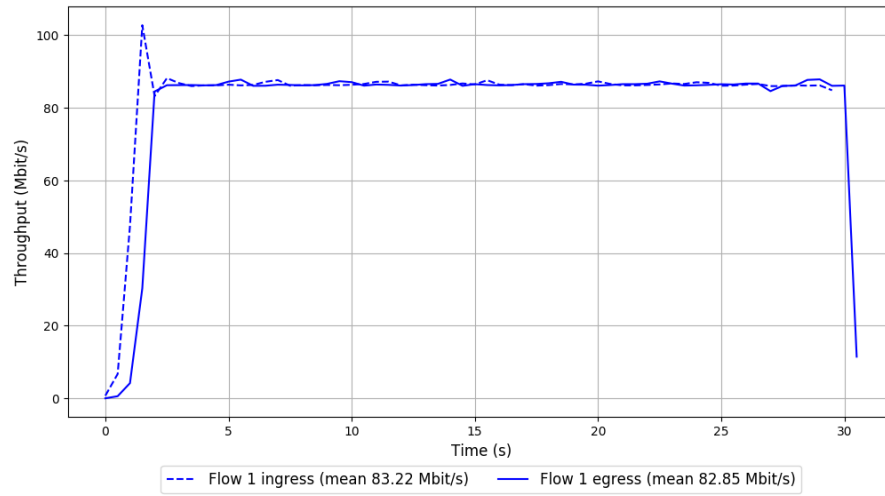
-- Flow 1:

Average throughput: 82.85 Mbit/s

95th percentile per-packet one-way delay: 83.375 ms

Loss rate: 0.44%

Run 5: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2019-01-21 04:53:20

End at: 2019-01-21 04:53:50

Local clock offset: -6.953 ms

Remote clock offset: 3.435 ms

Below is generated by plot.py at 2019-01-21 07:06:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 26.62 Mbit/s

95th percentile per-packet one-way delay: 112.249 ms

Loss rate: 9.20%

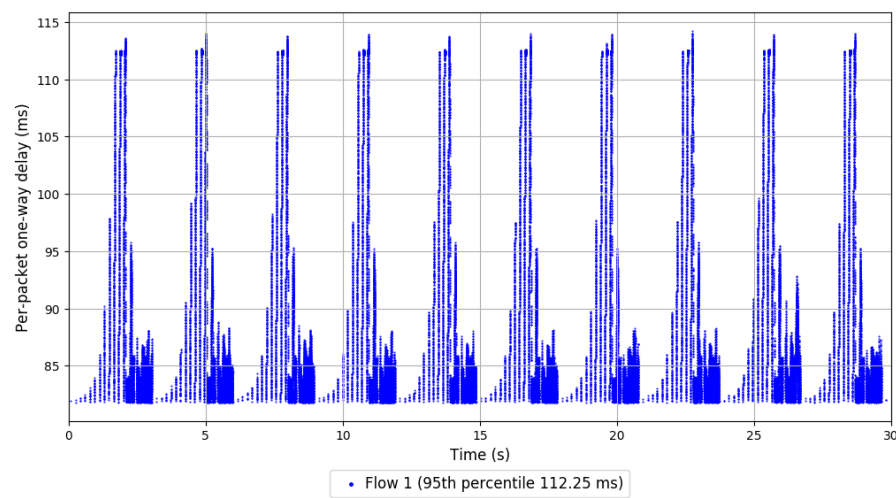
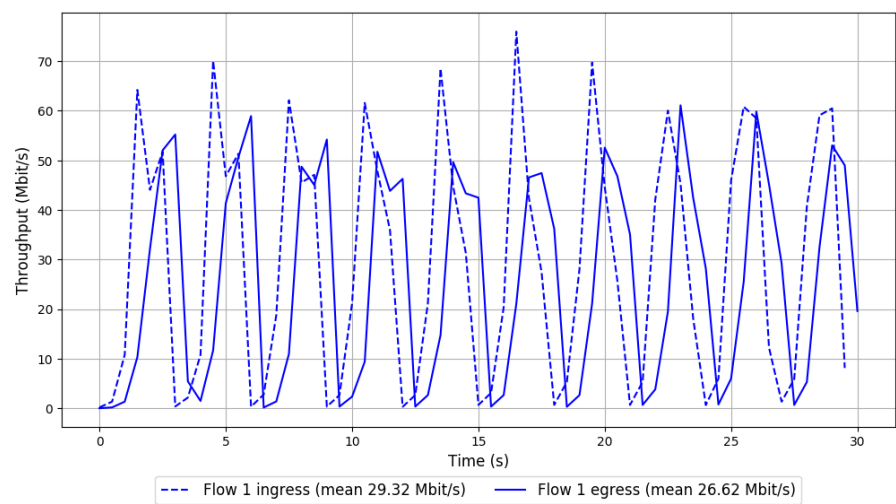
-- Flow 1:

Average throughput: 26.62 Mbit/s

95th percentile per-packet one-way delay: 112.249 ms

Loss rate: 9.20%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2019-01-21 05:17:56

End at: 2019-01-21 05:18:26

Local clock offset: -7.143 ms

Remote clock offset: 3.475 ms

Below is generated by plot.py at 2019-01-21 07:06:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 27.98 Mbit/s

95th percentile per-packet one-way delay: 112.202 ms

Loss rate: 10.19%

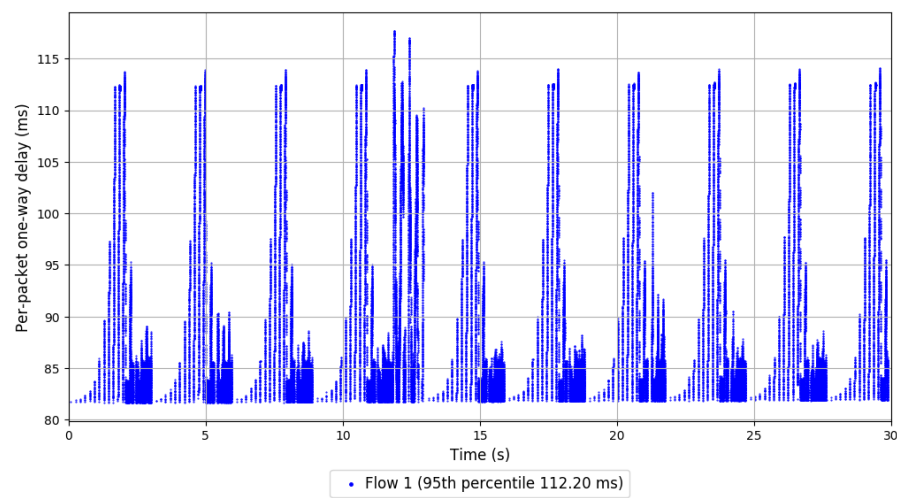
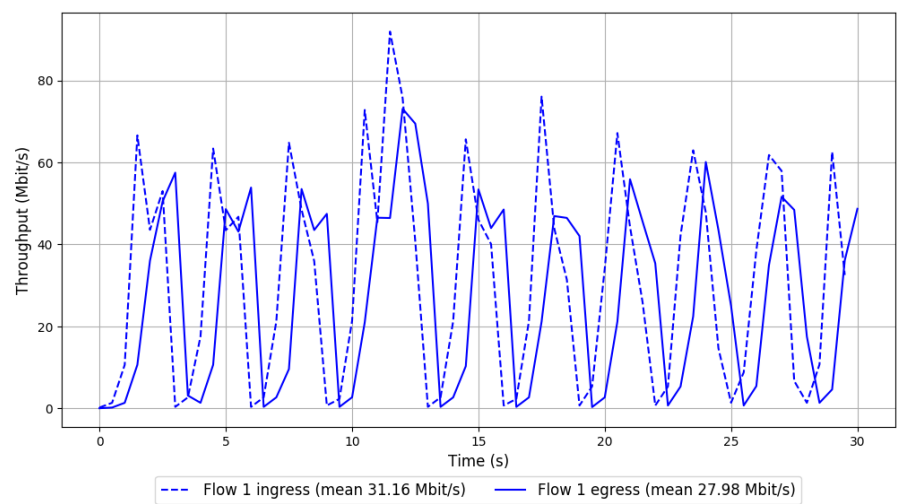
-- Flow 1:

Average throughput: 27.98 Mbit/s

95th percentile per-packet one-way delay: 112.202 ms

Loss rate: 10.19%

Run 2: Report of Verus — Data Link

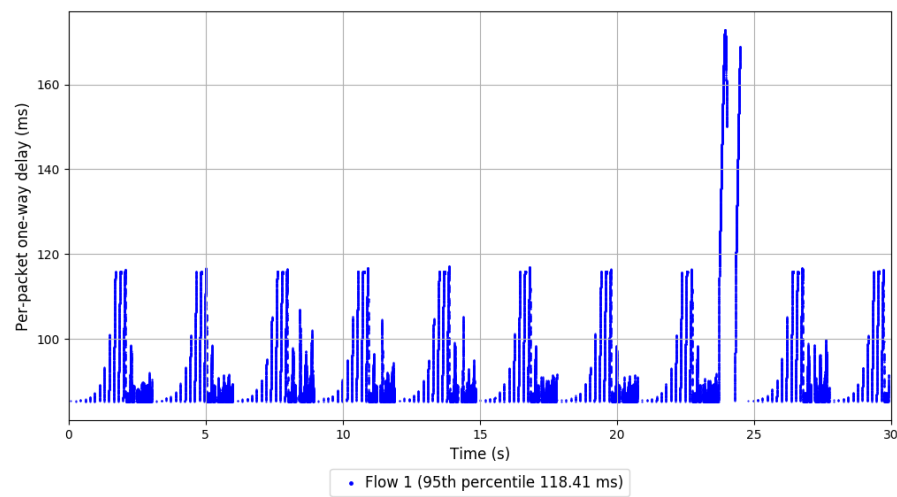
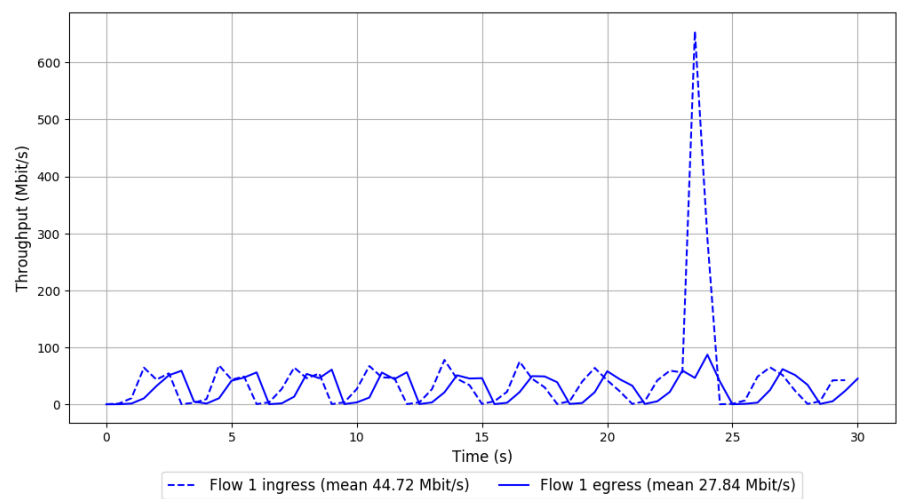


Run 3: Statistics of Verus

Start at: 2019-01-21 05:42:36
End at: 2019-01-21 05:43:06
Local clock offset: -0.647 ms
Remote clock offset: 6.947 ms

Below is generated by plot.py at 2019-01-21 07:06:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 27.84 Mbit/s
95th percentile per-packet one-way delay: 118.407 ms
Loss rate: 37.73%
-- Flow 1:
Average throughput: 27.84 Mbit/s
95th percentile per-packet one-way delay: 118.407 ms
Loss rate: 37.73%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2019-01-21 06:07:15

End at: 2019-01-21 06:07:45

Local clock offset: -5.245 ms

Remote clock offset: 6.545 ms

Below is generated by plot.py at 2019-01-21 07:06:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 27.50 Mbit/s

95th percentile per-packet one-way delay: 114.706 ms

Loss rate: 9.50%

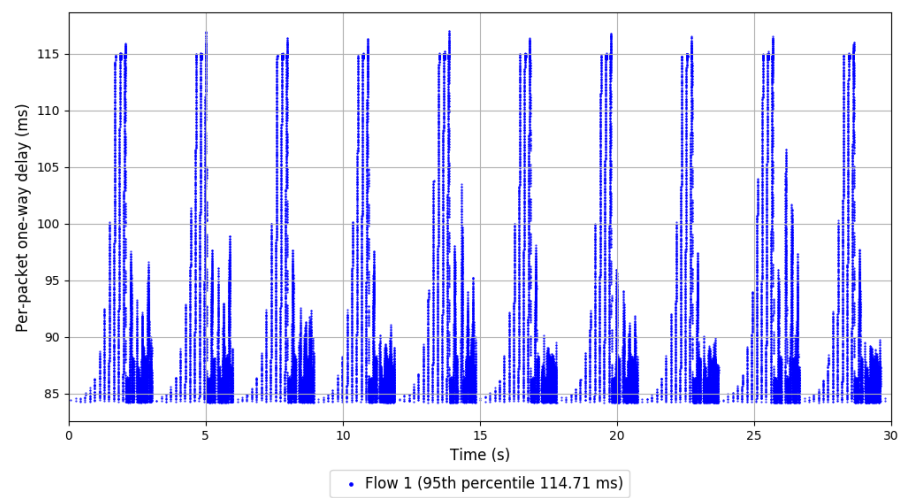
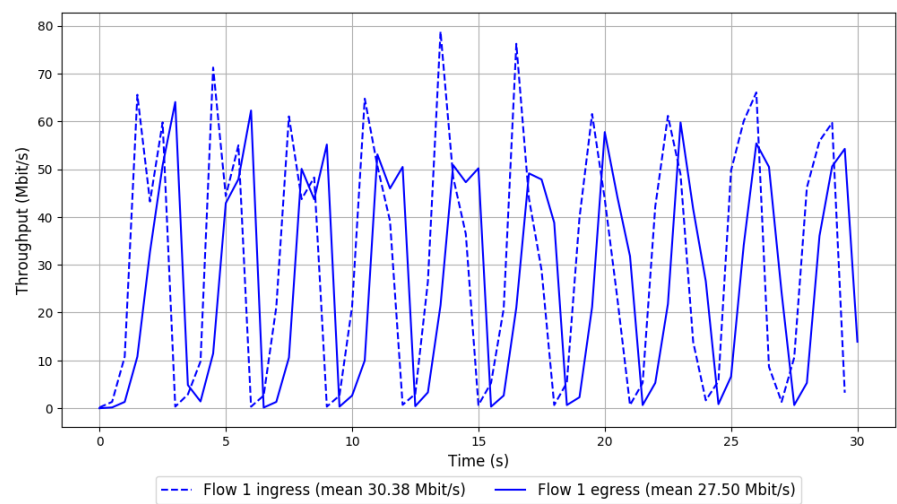
-- Flow 1:

Average throughput: 27.50 Mbit/s

95th percentile per-packet one-way delay: 114.706 ms

Loss rate: 9.50%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2019-01-21 06:31:54

End at: 2019-01-21 06:32:24

Local clock offset: -6.566 ms

Remote clock offset: 3.68 ms

Below is generated by plot.py at 2019-01-21 07:06:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 25.11 Mbit/s

95th percentile per-packet one-way delay: 113.861 ms

Loss rate: 9.16%

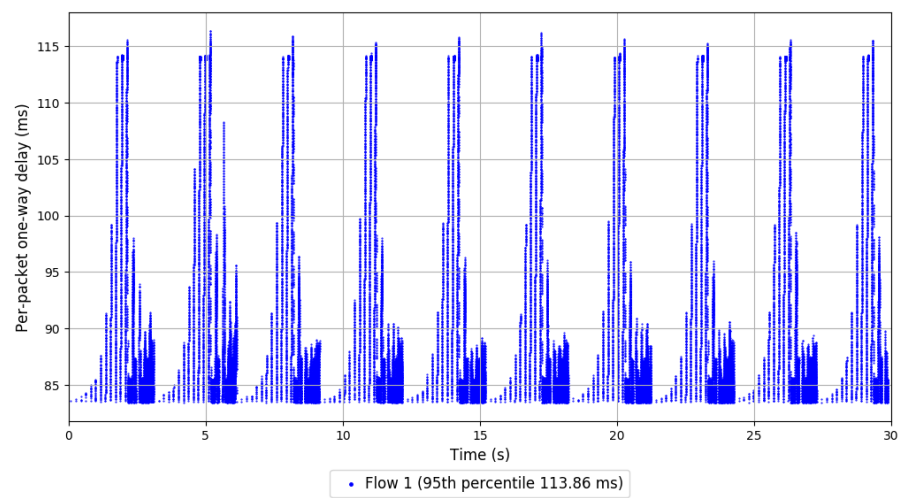
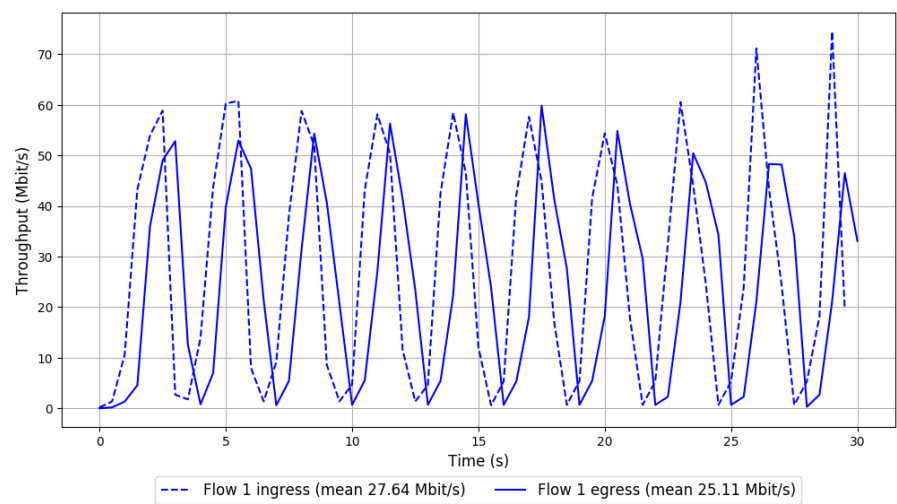
-- Flow 1:

Average throughput: 25.11 Mbit/s

95th percentile per-packet one-way delay: 113.861 ms

Loss rate: 9.16%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-01-21 05:07:22

End at: 2019-01-21 05:07:52

Local clock offset: -7.901 ms

Remote clock offset: 3.119 ms

Below is generated by plot.py at 2019-01-21 07:06:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.49 Mbit/s

95th percentile per-packet one-way delay: 99.111 ms

Loss rate: 0.04%

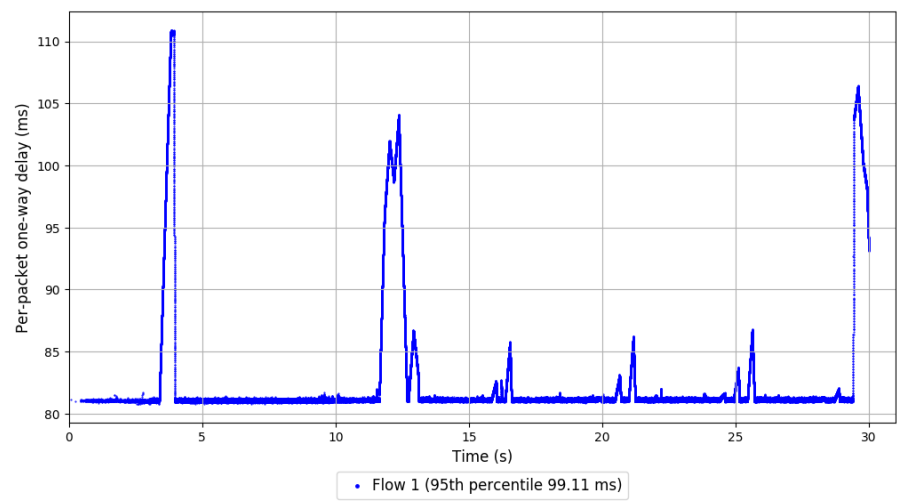
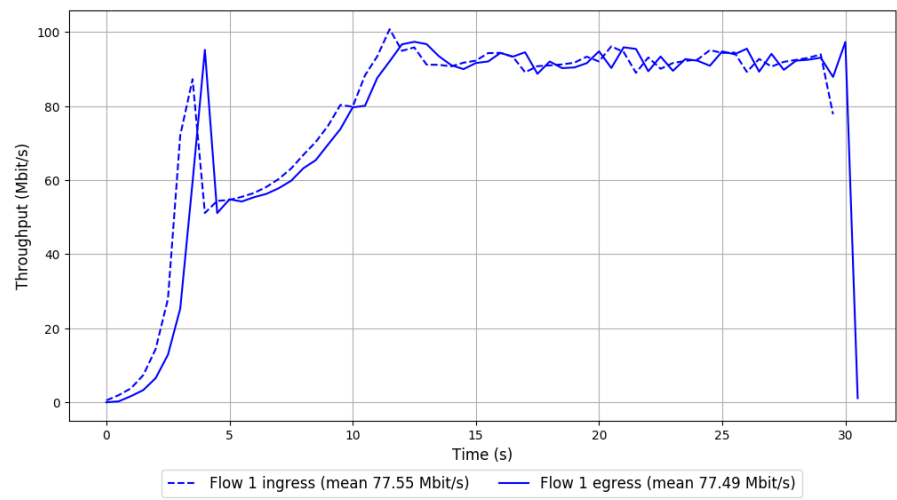
-- Flow 1:

Average throughput: 77.49 Mbit/s

95th percentile per-packet one-way delay: 99.111 ms

Loss rate: 0.04%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-01-21 05:32:01

End at: 2019-01-21 05:32:31

Local clock offset: -2.674 ms

Remote clock offset: 7.259 ms

Below is generated by plot.py at 2019-01-21 07:06:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.24 Mbit/s

95th percentile per-packet one-way delay: 99.935 ms

Loss rate: 0.03%

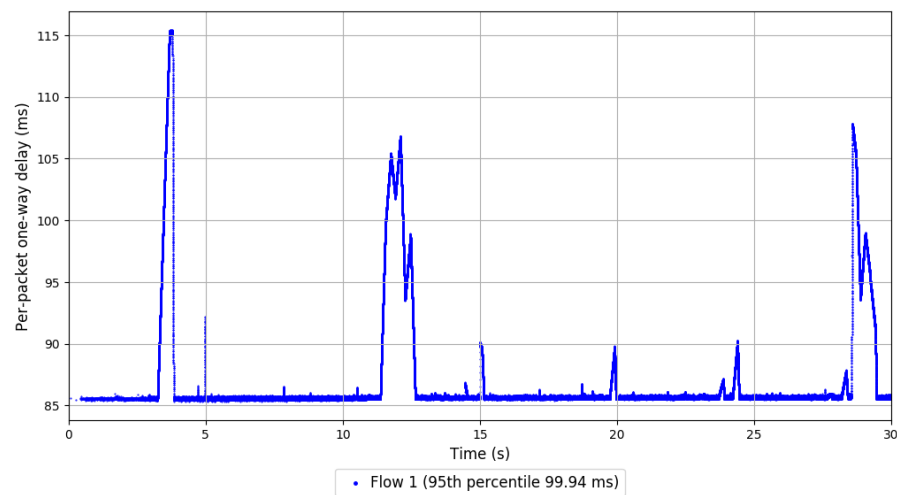
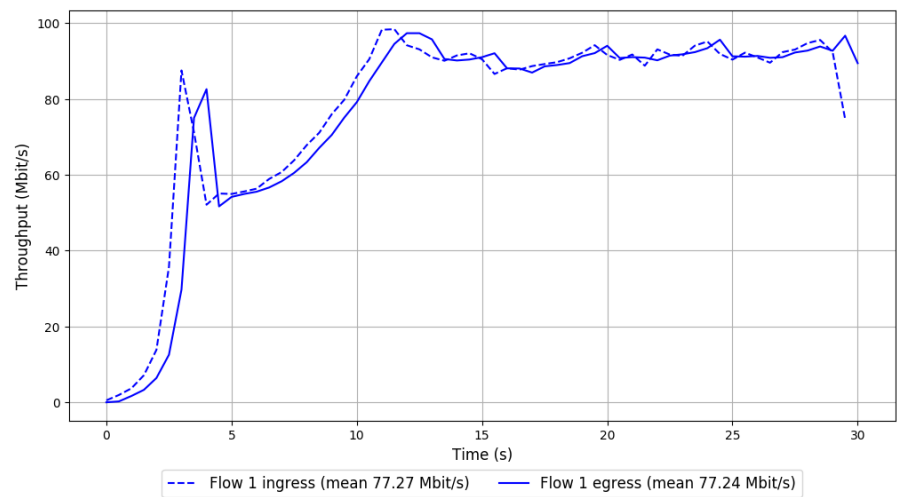
-- Flow 1:

Average throughput: 77.24 Mbit/s

95th percentile per-packet one-way delay: 99.935 ms

Loss rate: 0.03%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-01-21 05:56:41

End at: 2019-01-21 05:57:11

Local clock offset: -4.005 ms

Remote clock offset: 3.548 ms

Below is generated by plot.py at 2019-01-21 07:06:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.57 Mbit/s

95th percentile per-packet one-way delay: 106.637 ms

Loss rate: 0.12%

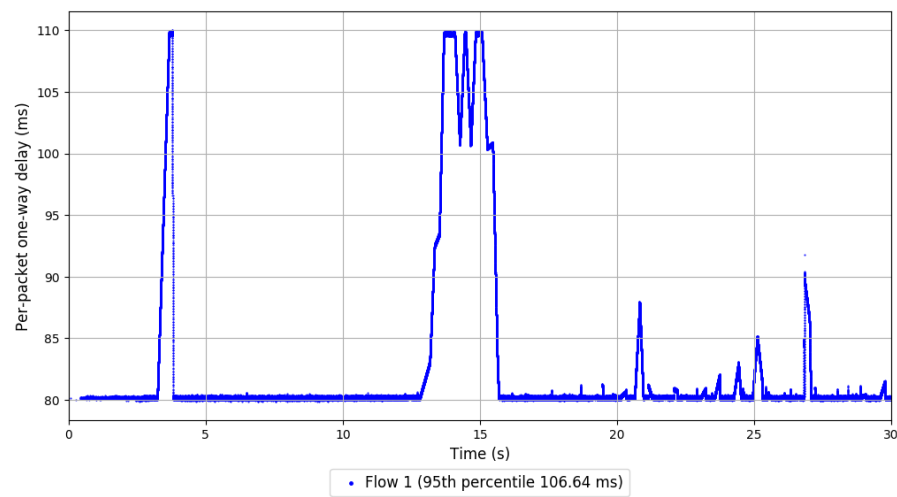
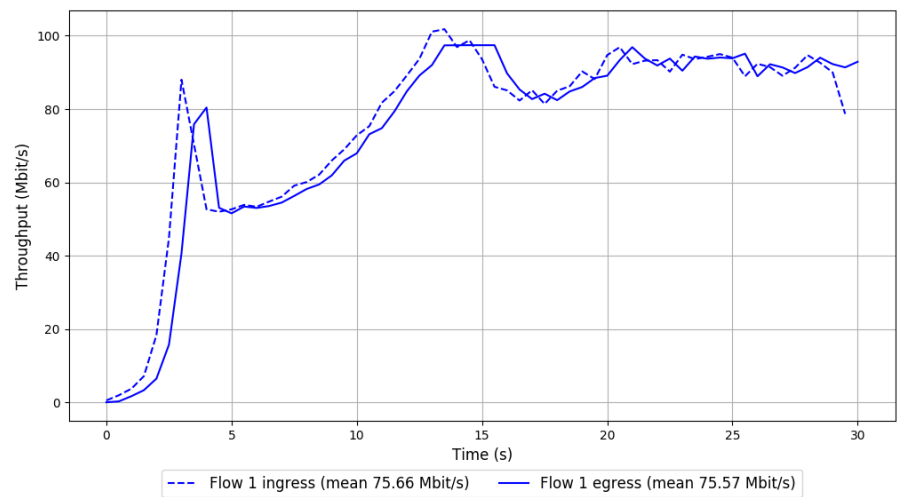
-- Flow 1:

Average throughput: 75.57 Mbit/s

95th percentile per-packet one-way delay: 106.637 ms

Loss rate: 0.12%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-01-21 06:21:19

End at: 2019-01-21 06:21:49

Local clock offset: -5.688 ms

Remote clock offset: 6.885 ms

Below is generated by plot.py at 2019-01-21 07:06:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.00 Mbit/s

95th percentile per-packet one-way delay: 111.705 ms

Loss rate: 0.10%

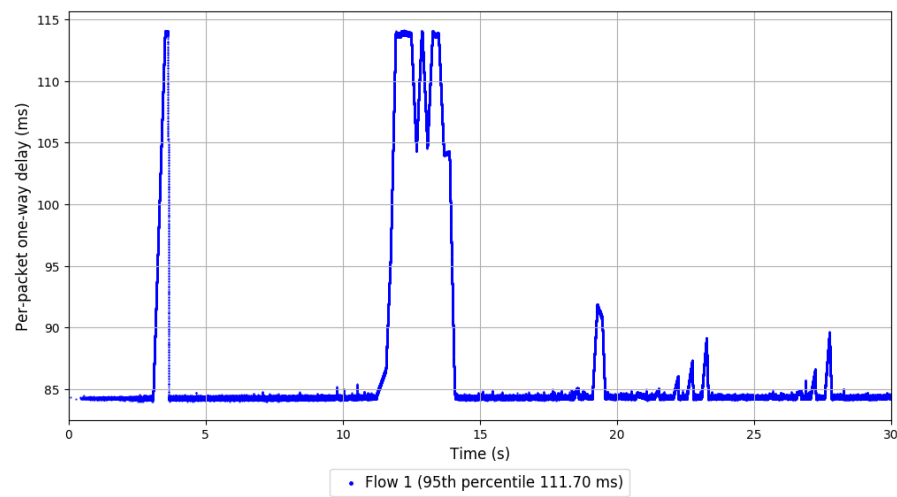
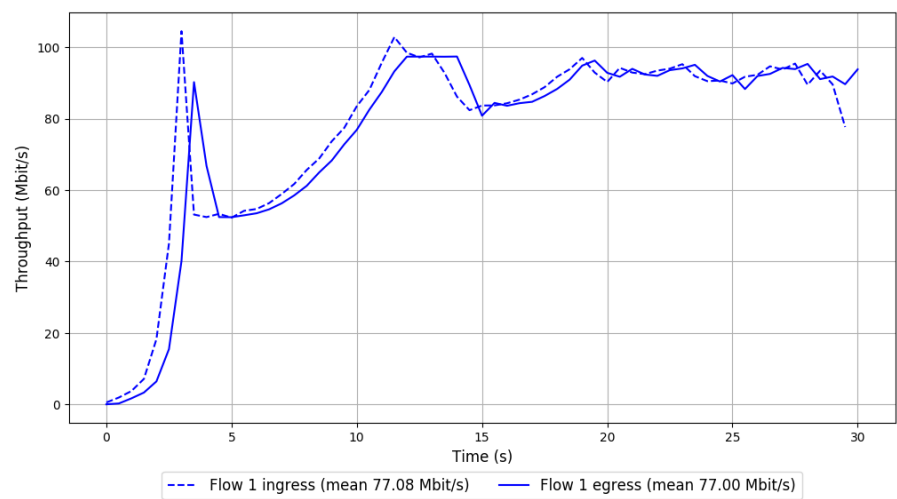
-- Flow 1:

Average throughput: 77.00 Mbit/s

95th percentile per-packet one-way delay: 111.705 ms

Loss rate: 0.10%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-01-21 06:45:58

End at: 2019-01-21 06:46:28

Local clock offset: -5.94 ms

Remote clock offset: 3.963 ms

Below is generated by plot.py at 2019-01-21 07:06:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.20 Mbit/s

95th percentile per-packet one-way delay: 93.133 ms

Loss rate: 0.04%

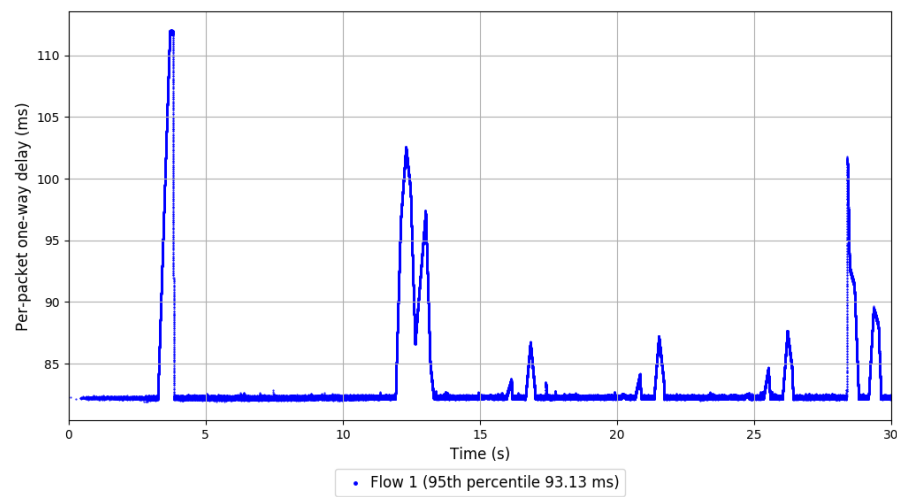
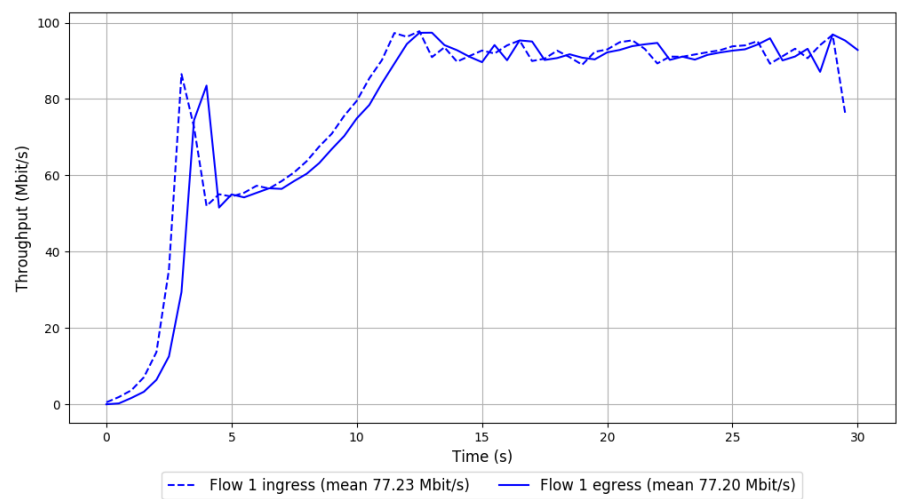
-- Flow 1:

Average throughput: 77.20 Mbit/s

95th percentile per-packet one-way delay: 93.133 ms

Loss rate: 0.04%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2019-01-21 05:02:44

End at: 2019-01-21 05:03:14

Local clock offset: -7.742 ms

Remote clock offset: 7.112 ms

Below is generated by plot.py at 2019-01-21 07:06:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 87.021 ms

Loss rate: 0.00%

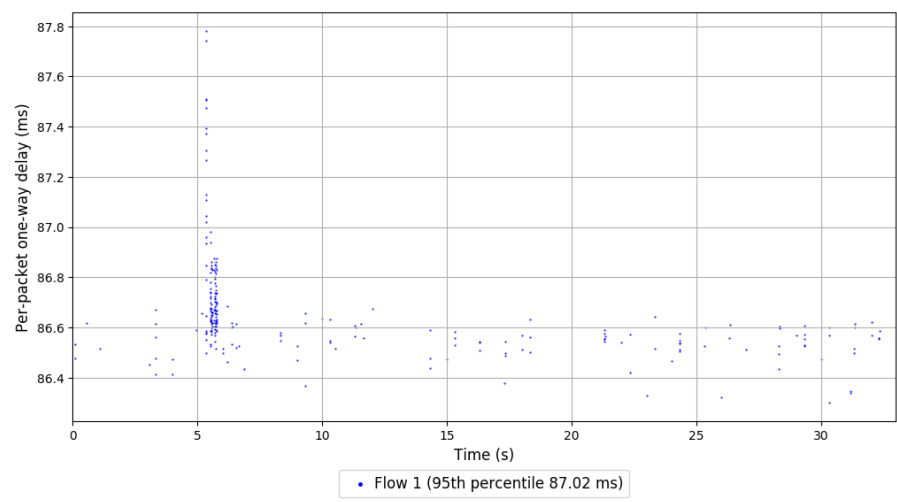
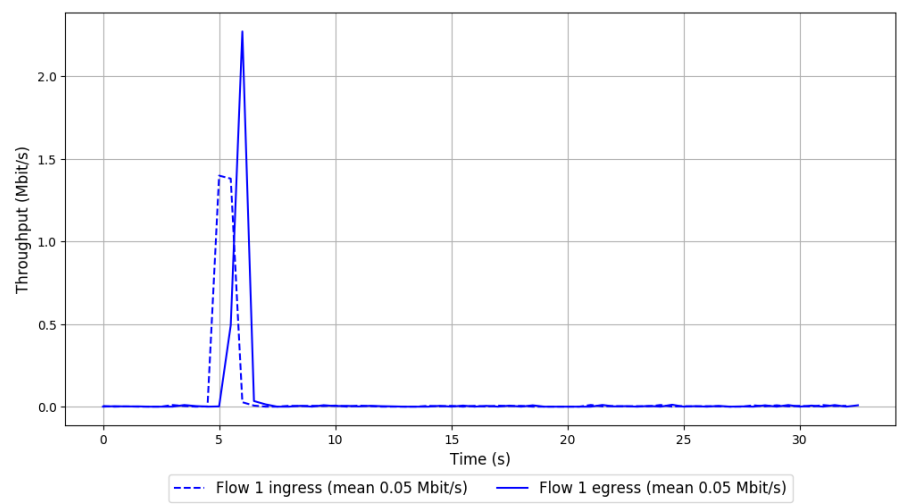
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 87.021 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2019-01-21 05:27:22

End at: 2019-01-21 05:27:53

Local clock offset: -3.526 ms

Remote clock offset: 2.903 ms

Below is generated by plot.py at 2019-01-21 07:06:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 83.203 ms

Loss rate: 0.00%

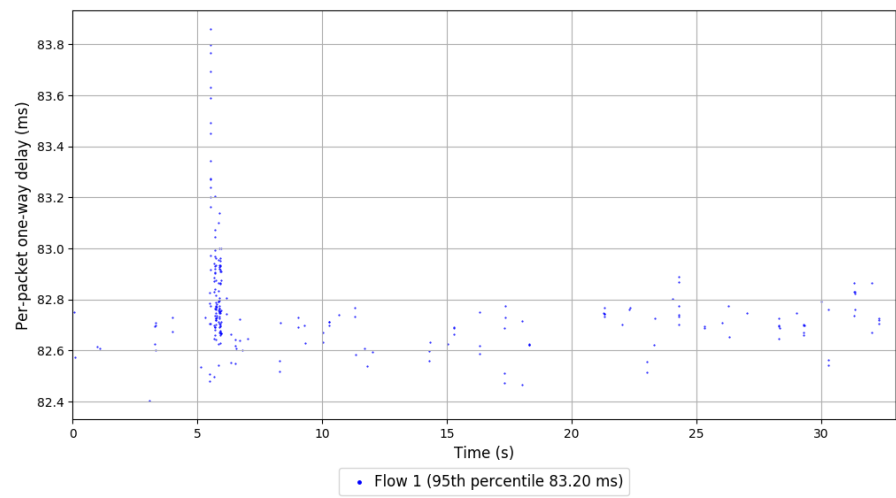
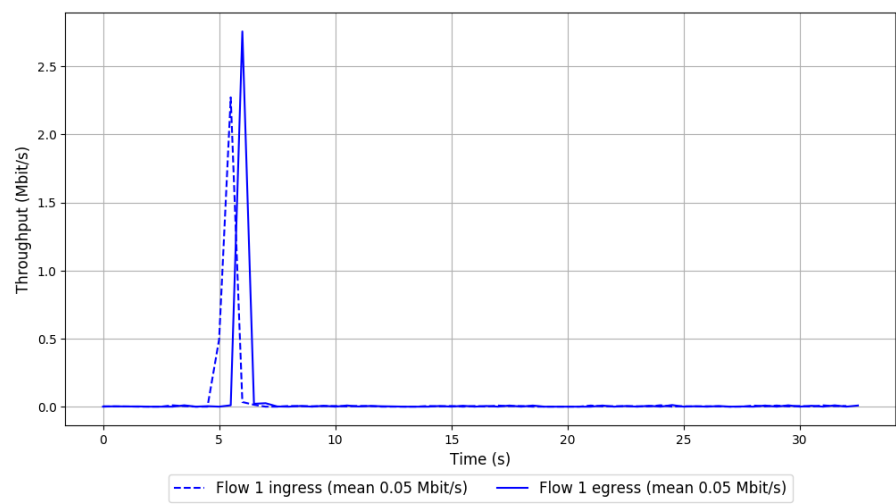
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 83.203 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-01-21 05:52:02

End at: 2019-01-21 05:52:32

Local clock offset: -3.674 ms

Remote clock offset: 7.182 ms

Below is generated by plot.py at 2019-01-21 07:06:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 85.650 ms

Loss rate: 0.00%

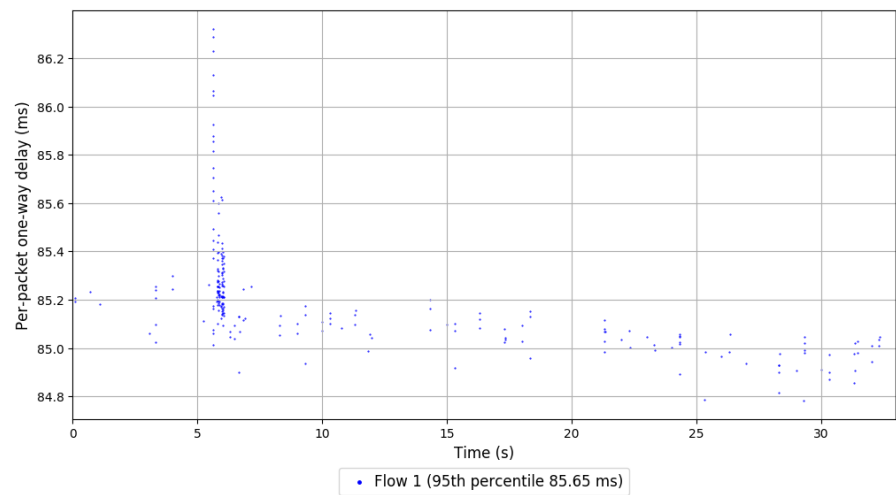
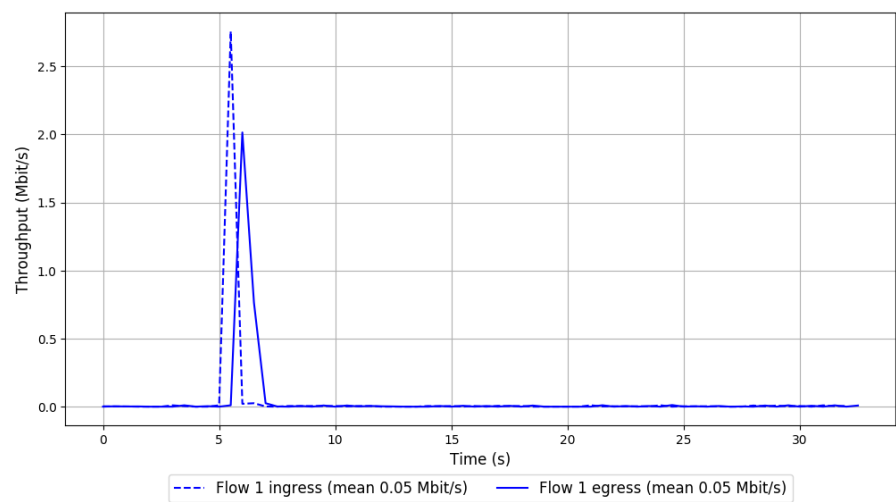
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 85.650 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-01-21 06:16:41

End at: 2019-01-21 06:17:11

Local clock offset: -6.572 ms

Remote clock offset: 3.26 ms

Below is generated by plot.py at 2019-01-21 07:06:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 81.782 ms

Loss rate: 0.00%

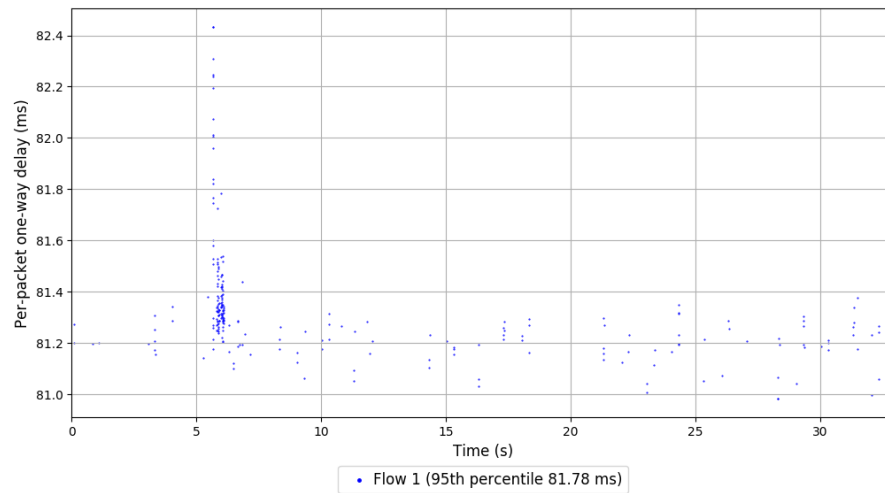
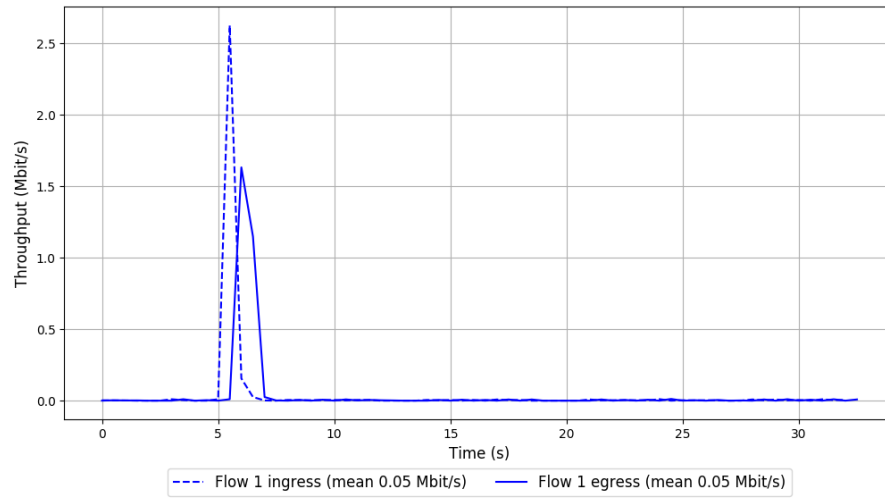
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 81.782 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-01-21 06:41:20
End at: 2019-01-21 06:41:50
Local clock offset: -6.707 ms
Remote clock offset: 3.769 ms

Below is generated by plot.py at 2019-01-21 07:06:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 84.595 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 84.595 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

