

Pantheon Report

Generated at 2019-08-26 20:02:08 (UTC).

Data path: AWS Brazil 1 on `ens5` (*local*) → Brazil on `p4p1` (*remote*).

Repeated the test of 24 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:

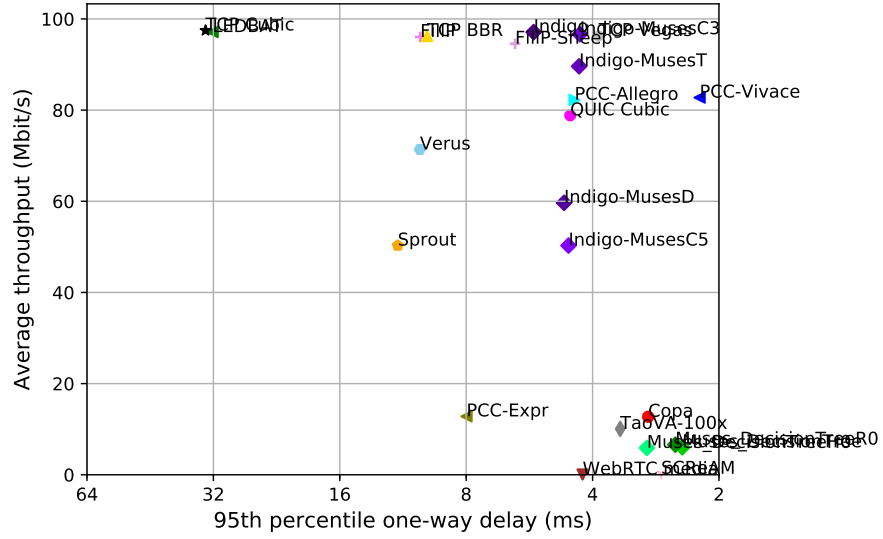
```
Linux 4.15.0-1043-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

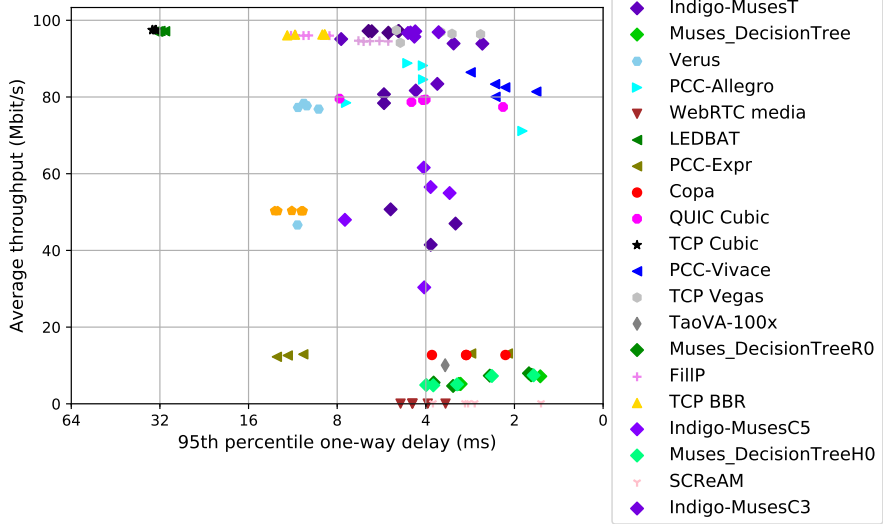
```
branch: muses @ de42328552b3776a75a932a94dfafd722537b0ec
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/muses_dtree @ 387225f7b5f61ddbe92d708a8869ffbb84eb3200
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 1 to Brazil, 5 runs of 30s each per scheme
(mean of all runs by scheme)



test from AWS Brazil 1 to Brazil, 5 runs of 30s each per scheme



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	96.25	9.91	0.00
Copa	4	12.73	2.95	66.27
TCP Cubic	5	97.47	33.41	0.01
FillP	5	96.05	10.29	0.26
FillP-Sheep	5	94.56	6.12	0.08
Indigo	5	97.10	5.53	0.00
Indigo-MusesC3	5	96.65	4.29	0.00
Indigo-MusesC5	5	50.28	4.56	0.00
Indigo-MusesD	5	59.66	4.68	0.00
Indigo-MusesT	5	89.61	4.31	0.00
LEDBAT	5	97.12	32.14	0.02
Muses_DecisionTree	5	6.03	2.45	0.00
Muses_DecisionTreeH0	5	5.90	2.97	0.00
Muses_DecisionTreeR0	5	6.61	2.54	0.00
PCC-Allegro	5	82.24	4.42	0.00
PCC-Expr	5	12.80	7.99	34.22
QUIC Cubic	5	78.84	4.52	0.30
SCReAM	5	0.22	2.75	0.00
Sprout	5	50.29	11.65	0.00
TaoVA-100x	1	10.06	3.44	81.13
TCP Vegas	5	96.26	3.87	0.00
Verus	5	71.36	10.31	1.01
PCC-Vivace	5	82.75	2.22	0.00
WebRTC media	5	0.05	4.23	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-08-26 17:56:51

End at: 2019-08-26 17:57:21

Local clock offset: -4.862 ms

Remote clock offset: 0.78 ms

Below is generated by plot.py at 2019-08-26 19:52:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.31 Mbit/s

95th percentile per-packet one-way delay: 8.817 ms

Loss rate: 0.00%

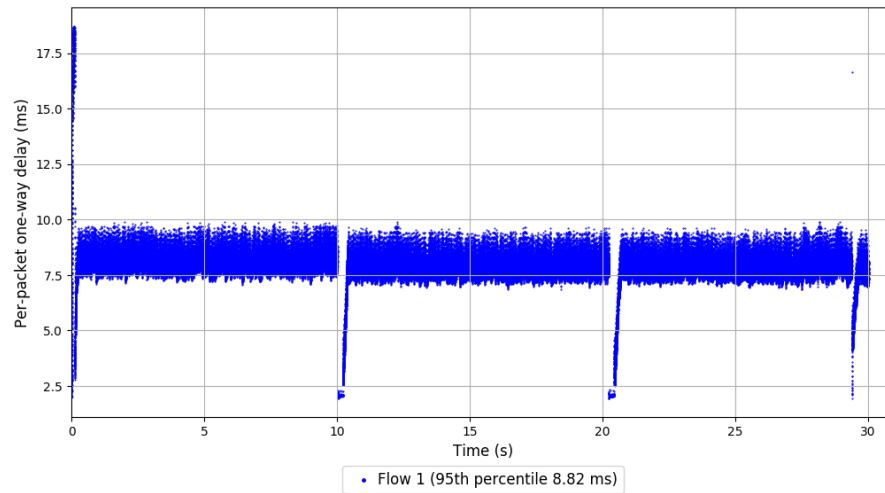
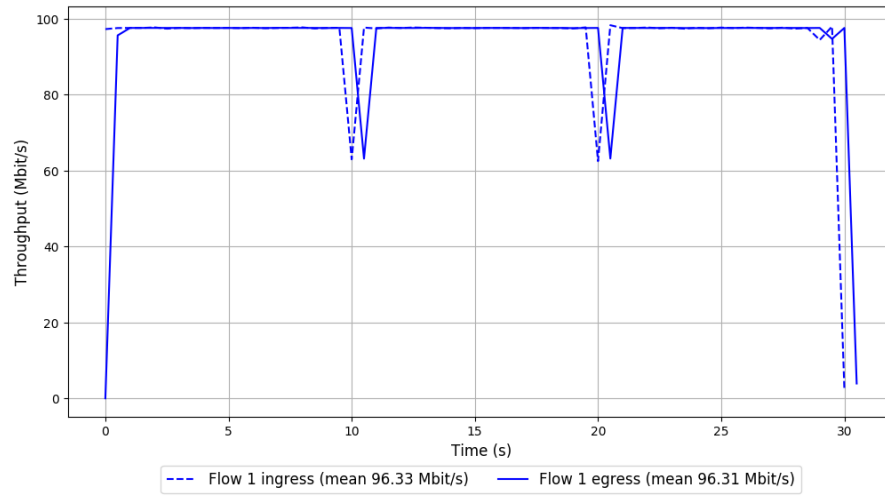
-- Flow 1:

Average throughput: 96.31 Mbit/s

95th percentile per-packet one-way delay: 8.817 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-08-26 18:23:36

End at: 2019-08-26 18:24:06

Local clock offset: -5.061 ms

Remote clock offset: 0.8 ms

Below is generated by plot.py at 2019-08-26 19:52:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.30 Mbit/s

95th percentile per-packet one-way delay: 8.981 ms

Loss rate: 0.00%

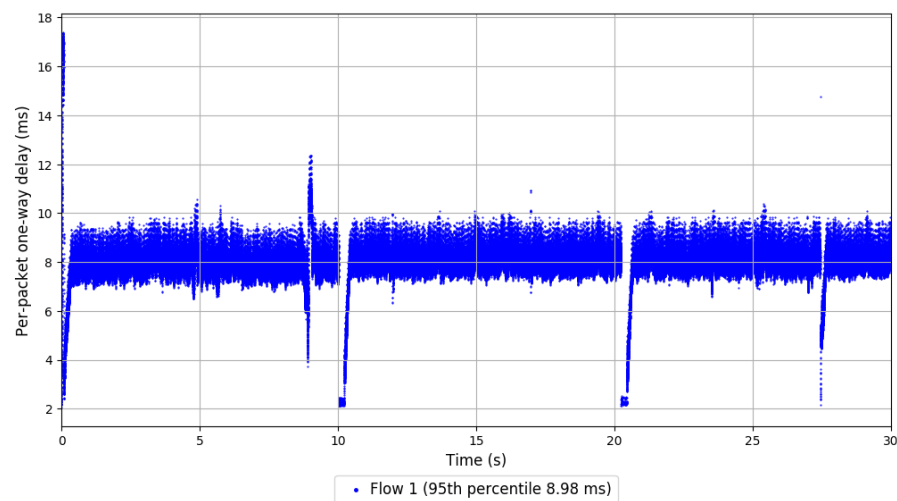
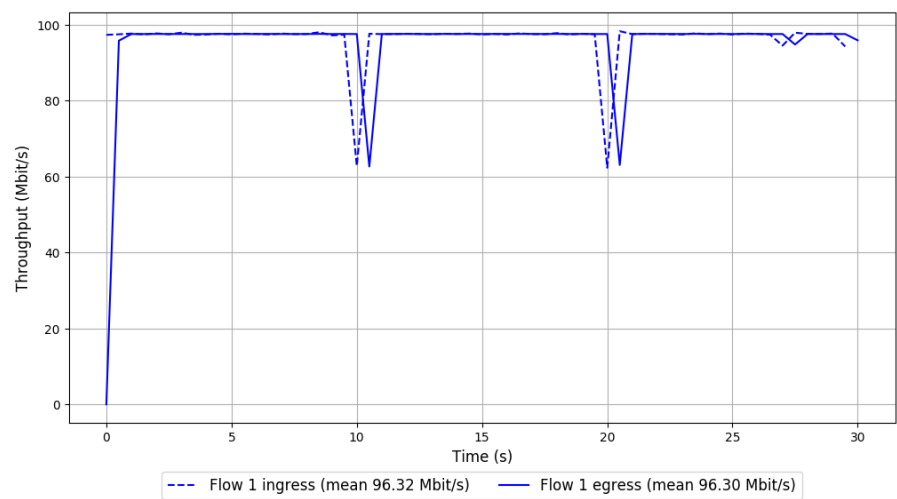
-- Flow 1:

Average throughput: 96.30 Mbit/s

95th percentile per-packet one-way delay: 8.981 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-08-26 18:50:18

End at: 2019-08-26 18:50:48

Local clock offset: -5.889 ms

Remote clock offset: 0.428 ms

Below is generated by plot.py at 2019-08-26 19:52:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.31 Mbit/s

95th percentile per-packet one-way delay: 8.824 ms

Loss rate: 0.00%

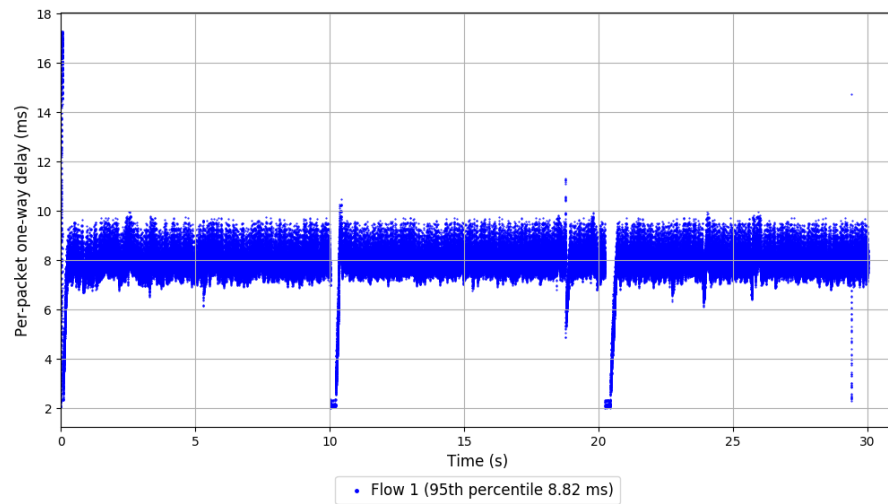
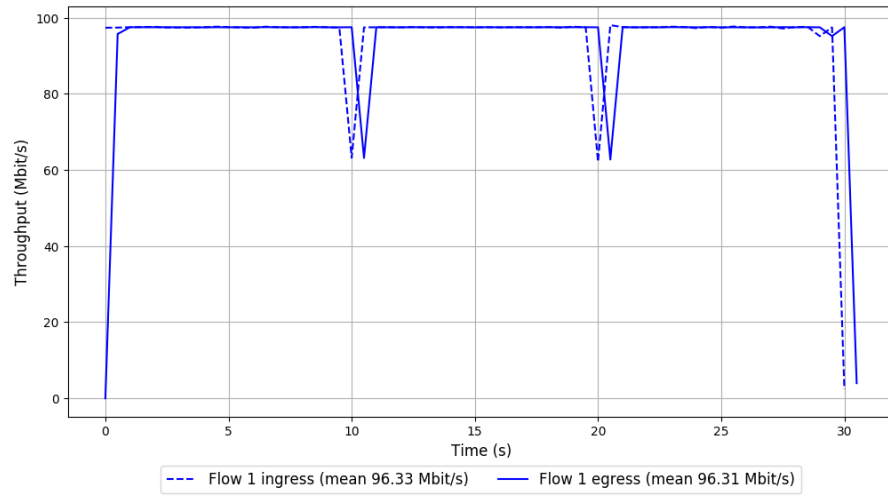
-- Flow 1:

Average throughput: 96.31 Mbit/s

95th percentile per-packet one-way delay: 8.824 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-08-26 19:16:59

End at: 2019-08-26 19:17:29

Local clock offset: -6.013 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at 2019-08-26 19:52:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.26 Mbit/s

95th percentile per-packet one-way delay: 11.126 ms

Loss rate: 0.00%

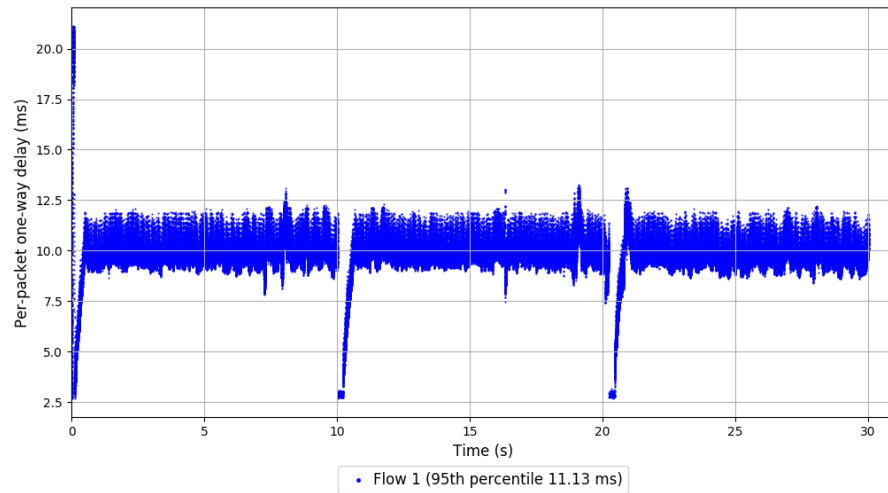
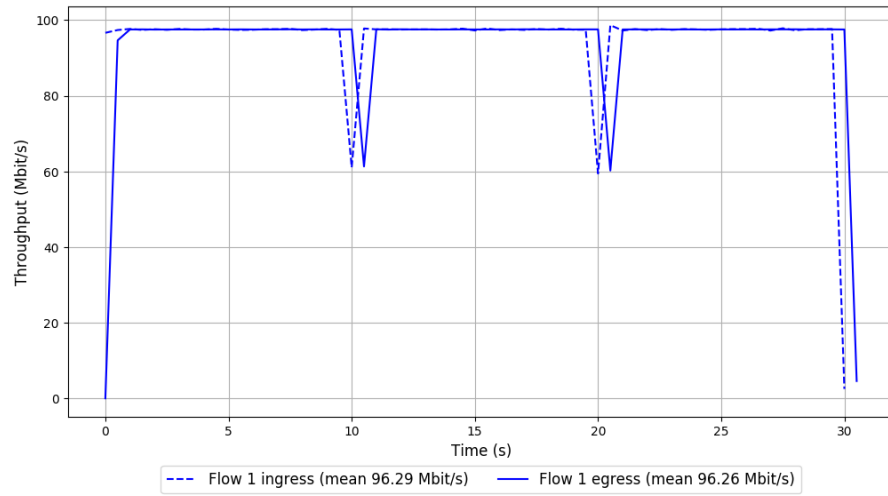
-- Flow 1:

Average throughput: 96.26 Mbit/s

95th percentile per-packet one-way delay: 11.126 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link

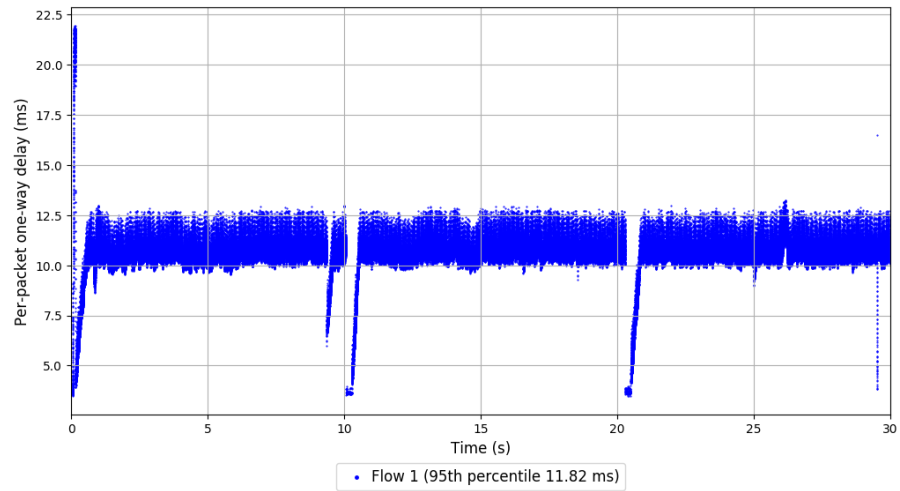
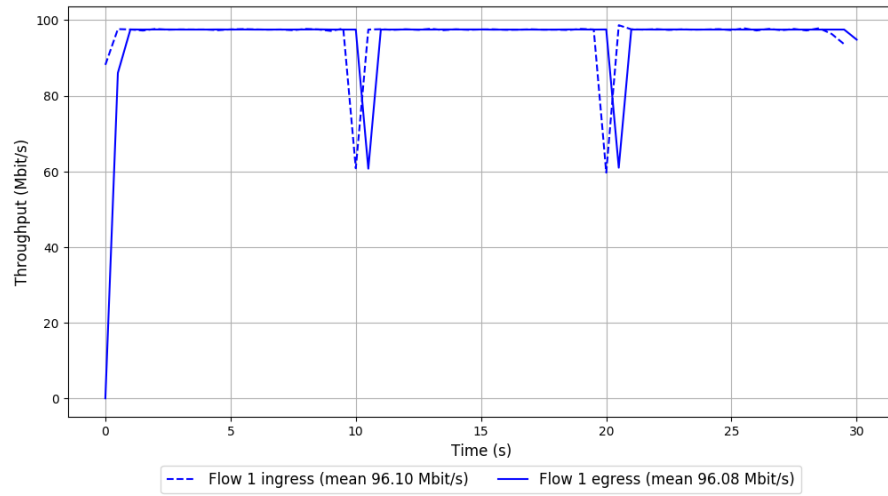


Run 5: Statistics of TCP BBR

Start at: 2019-08-26 19:43:38
End at: 2019-08-26 19:44:08
Local clock offset: -3.743 ms
Remote clock offset: -0.178 ms

Below is generated by plot.py at 2019-08-26 19:52:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.08 Mbit/s
95th percentile per-packet one-way delay: 11.820 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.08 Mbit/s
95th percentile per-packet one-way delay: 11.820 ms
Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

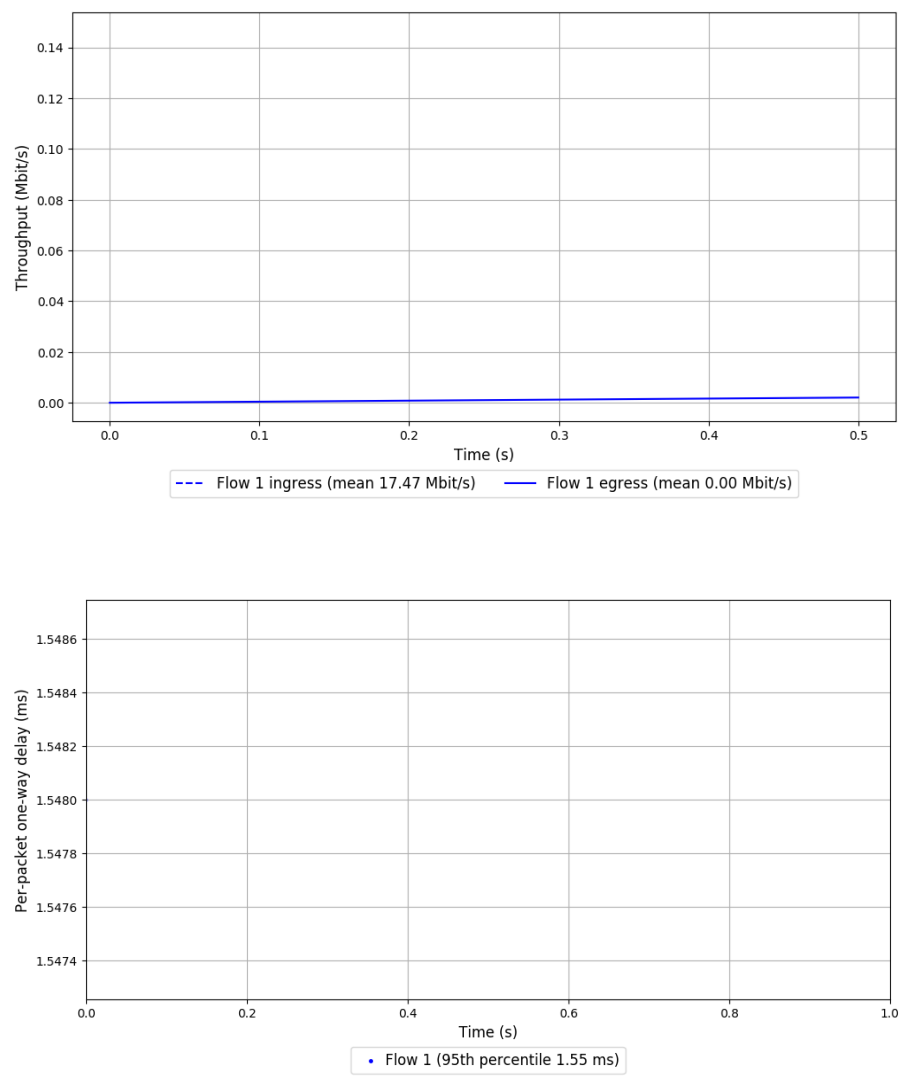
Start at: 2019-08-26 17:44:36

End at: 2019-08-26 17:45:06

Local clock offset: -4.134 ms

Remote clock offset: 0.774 ms

Run 1: Report of Copa — Data Link

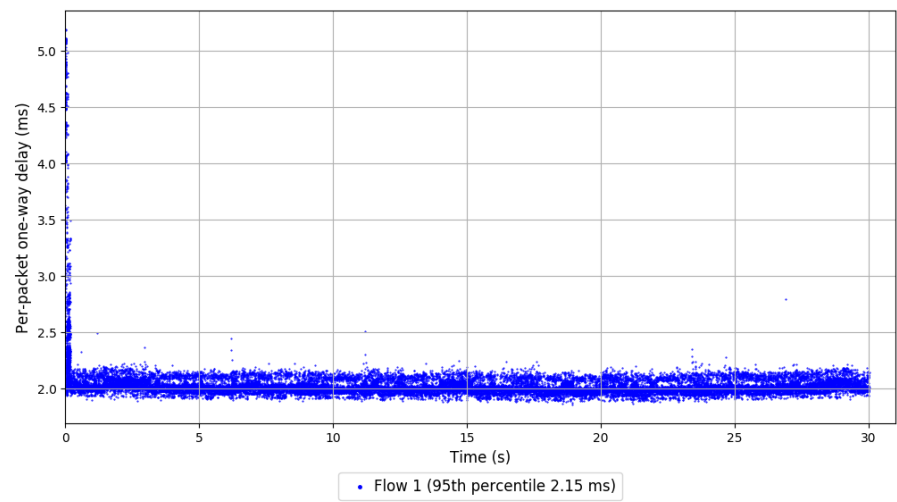
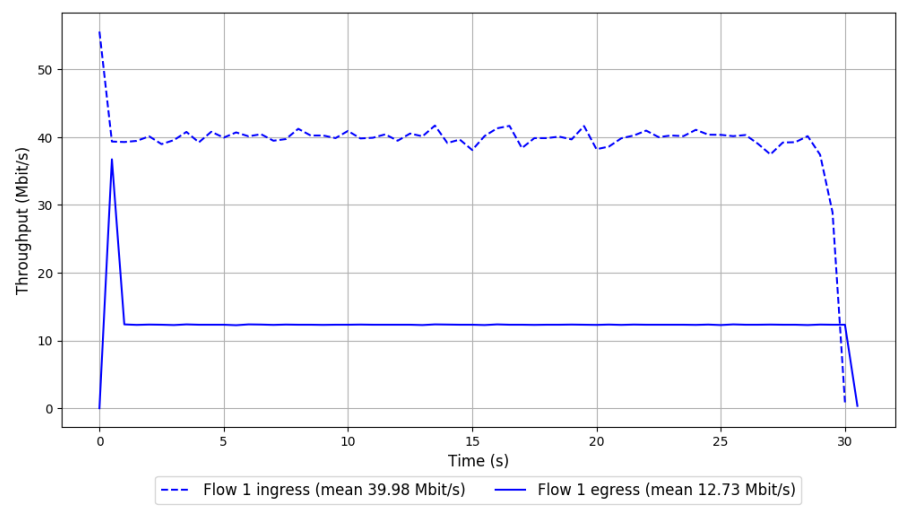


Run 2: Statistics of Copa

Start at: 2019-08-26 18:11:20
End at: 2019-08-26 18:11:50
Local clock offset: -6.213 ms
Remote clock offset: 0.808 ms

Below is generated by plot.py at 2019-08-26 19:52:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.73 Mbit/s
95th percentile per-packet one-way delay: 2.146 ms
Loss rate: 68.16%
-- Flow 1:
Average throughput: 12.73 Mbit/s
95th percentile per-packet one-way delay: 2.146 ms
Loss rate: 68.16%

Run 2: Report of Copa — Data Link

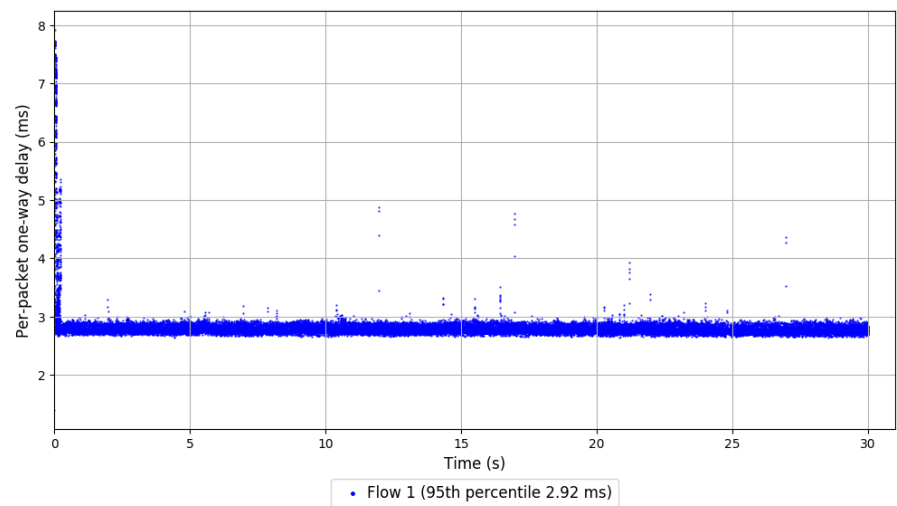
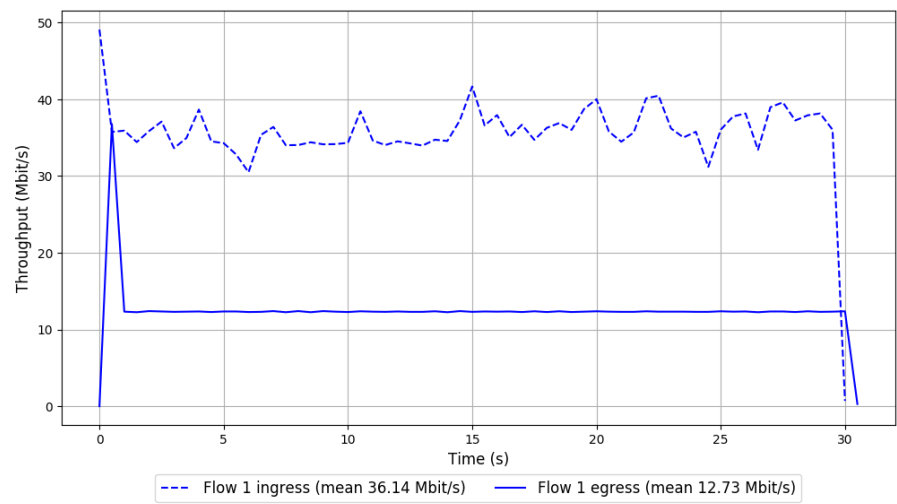


Run 3: Statistics of Copa

Start at: 2019-08-26 18:38:01
End at: 2019-08-26 18:38:31
Local clock offset: -4.274 ms
Remote clock offset: 0.579 ms

Below is generated by plot.py at 2019-08-26 19:52:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.73 Mbit/s
95th percentile per-packet one-way delay: 2.915 ms
Loss rate: 64.78%
-- Flow 1:
Average throughput: 12.73 Mbit/s
95th percentile per-packet one-way delay: 2.915 ms
Loss rate: 64.78%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2019-08-26 19:04:42

End at: 2019-08-26 19:05:12

Local clock offset: -6.556 ms

Remote clock offset: 0.172 ms

Below is generated by plot.py at 2019-08-26 19:52:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.73 Mbit/s

95th percentile per-packet one-way delay: 2.920 ms

Loss rate: 66.20%

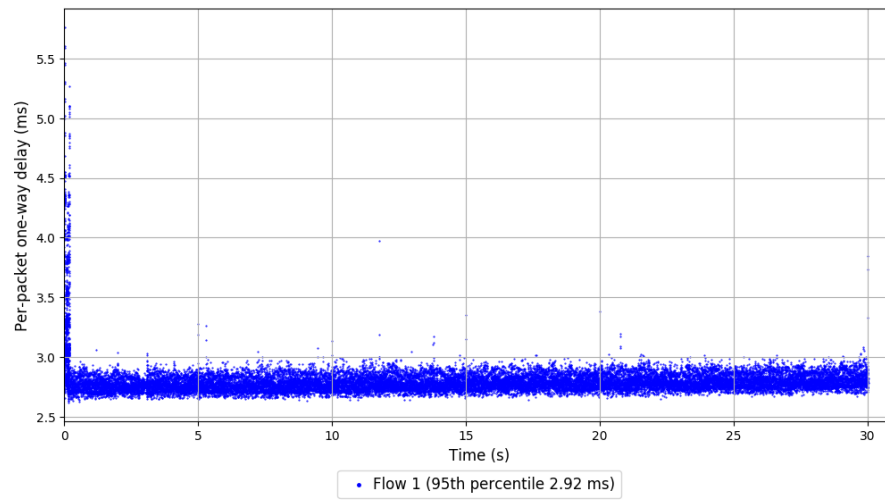
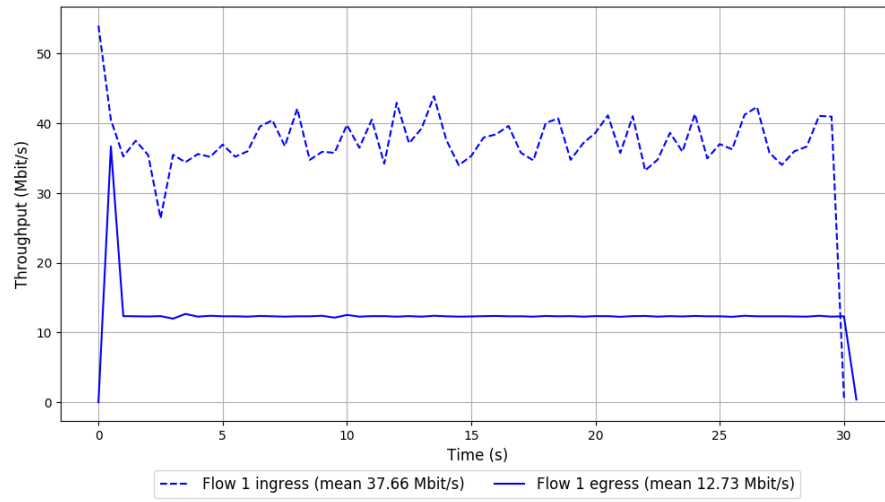
-- Flow 1:

Average throughput: 12.73 Mbit/s

95th percentile per-packet one-way delay: 2.920 ms

Loss rate: 66.20%

Run 4: Report of Copa — Data Link

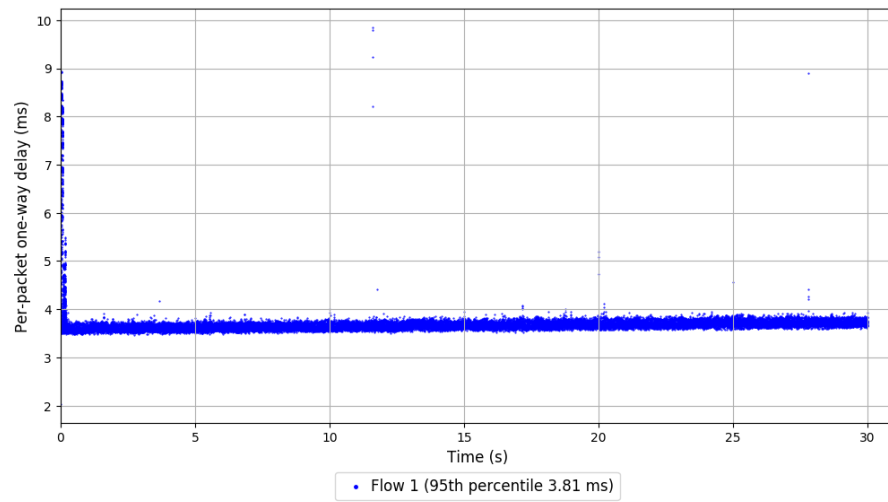
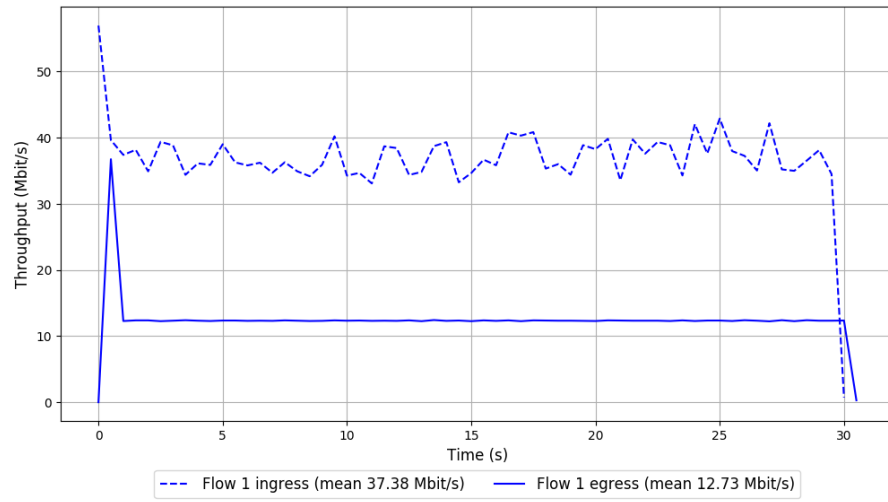


Run 5: Statistics of Copa

Start at: 2019-08-26 19:31:23
End at: 2019-08-26 19:31:53
Local clock offset: -5.935 ms
Remote clock offset: -0.147 ms

Below is generated by plot.py at 2019-08-26 19:52:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.73 Mbit/s
95th percentile per-packet one-way delay: 3.814 ms
Loss rate: 65.95%
-- Flow 1:
Average throughput: 12.73 Mbit/s
95th percentile per-packet one-way delay: 3.814 ms
Loss rate: 65.95%

Run 5: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2019-08-26 17:37:54

End at: 2019-08-26 17:38:24

Local clock offset: -3.172 ms

Remote clock offset: 0.708 ms

Below is generated by plot.py at 2019-08-26 19:52:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.47 Mbit/s

95th percentile per-packet one-way delay: 33.044 ms

Loss rate: 0.01%

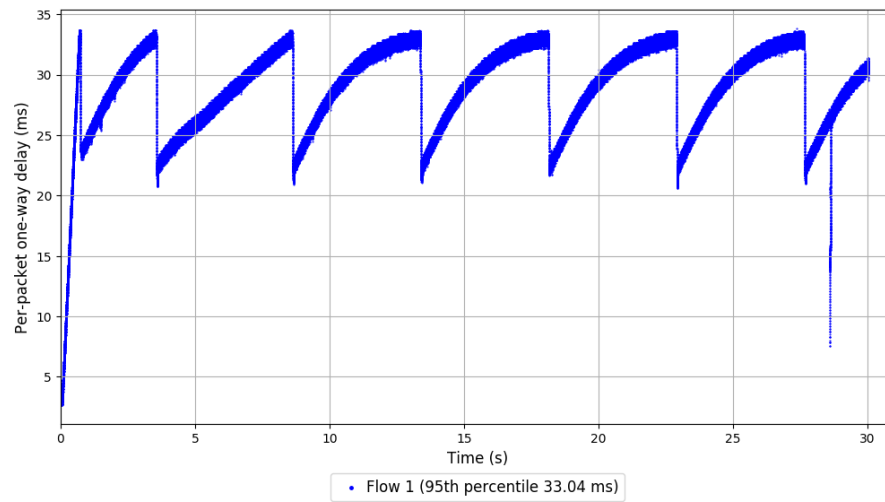
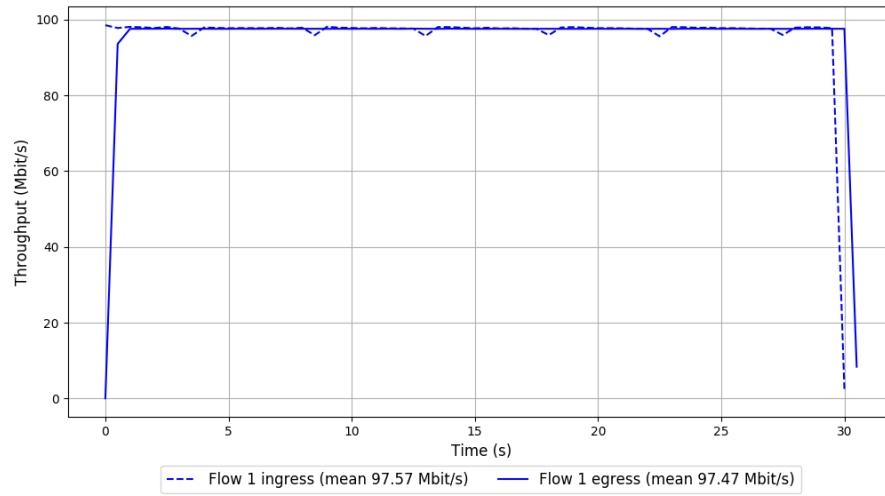
-- Flow 1:

Average throughput: 97.47 Mbit/s

95th percentile per-packet one-way delay: 33.044 ms

Loss rate: 0.01%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2019-08-26 18:04:36

End at: 2019-08-26 18:05:06

Local clock offset: -5.565 ms

Remote clock offset: 0.855 ms

Below is generated by plot.py at 2019-08-26 19:52:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.47 Mbit/s

95th percentile per-packet one-way delay: 33.939 ms

Loss rate: 0.01%

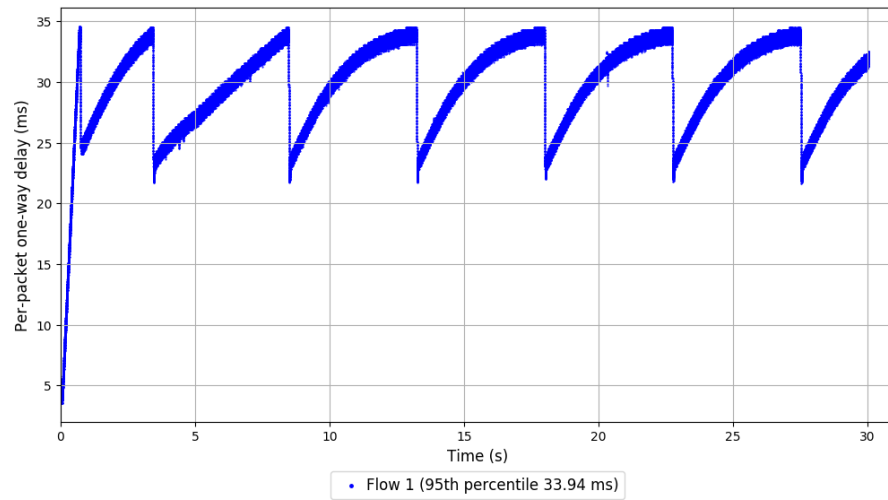
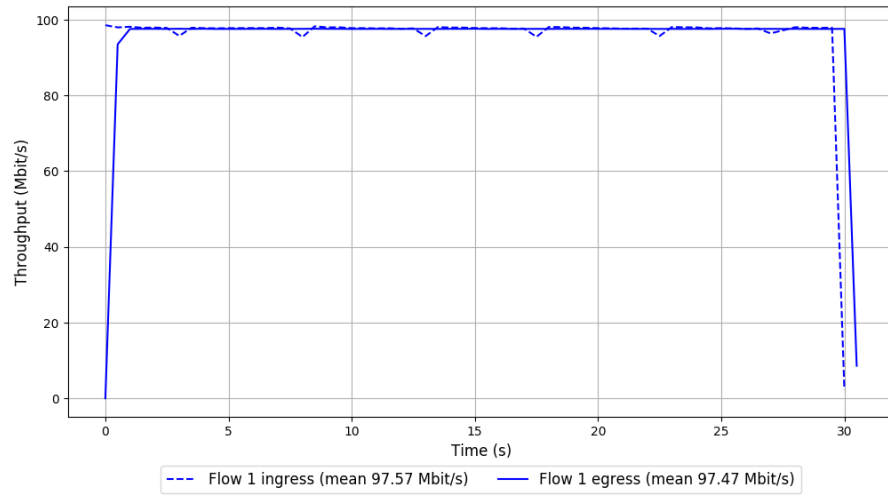
-- Flow 1:

Average throughput: 97.47 Mbit/s

95th percentile per-packet one-way delay: 33.939 ms

Loss rate: 0.01%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2019-08-26 18:31:21

End at: 2019-08-26 18:31:51

Local clock offset: -4.14 ms

Remote clock offset: 0.645 ms

Below is generated by plot.py at 2019-08-26 19:52:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.47 Mbit/s

95th percentile per-packet one-way delay: 33.191 ms

Loss rate: 0.01%

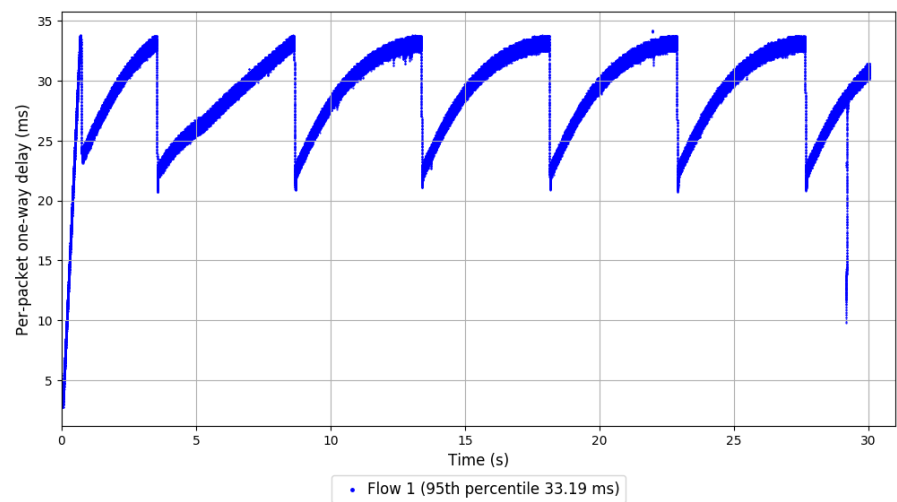
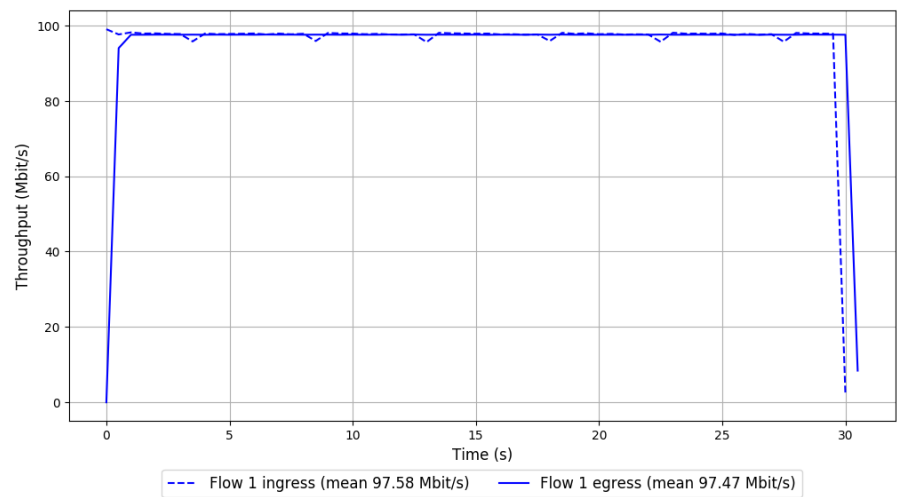
-- Flow 1:

Average throughput: 97.47 Mbit/s

95th percentile per-packet one-way delay: 33.191 ms

Loss rate: 0.01%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2019-08-26 18:58:03

End at: 2019-08-26 18:58:33

Local clock offset: -5.861 ms

Remote clock offset: 0.33 ms

Below is generated by plot.py at 2019-08-26 19:53:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.46 Mbit/s

95th percentile per-packet one-way delay: 32.957 ms

Loss rate: 0.01%

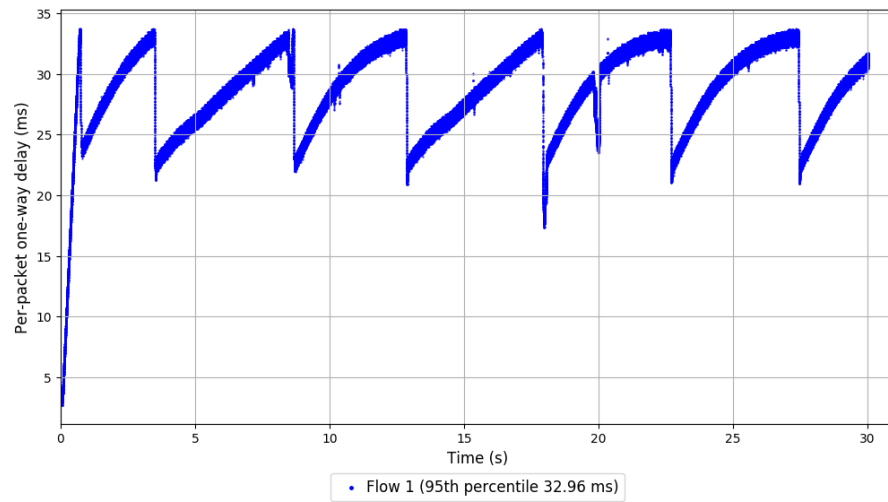
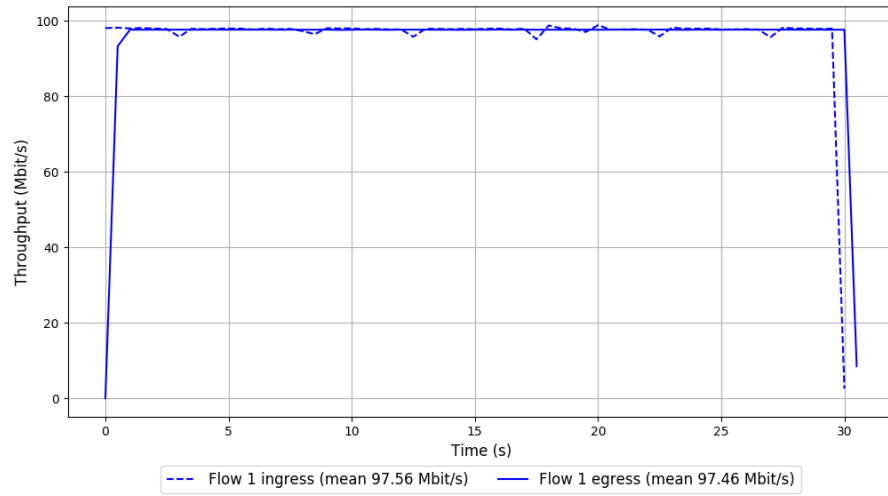
-- Flow 1:

Average throughput: 97.46 Mbit/s

95th percentile per-packet one-way delay: 32.957 ms

Loss rate: 0.01%

Run 4: Report of TCP Cubic — Data Link

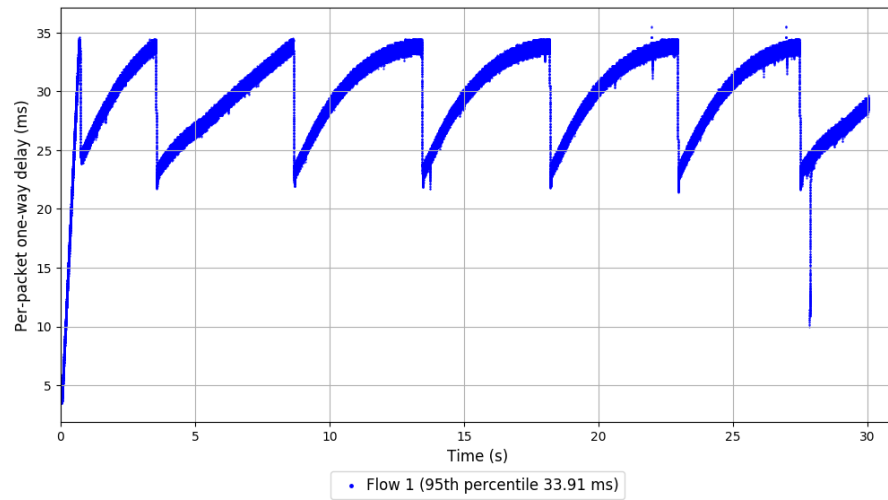
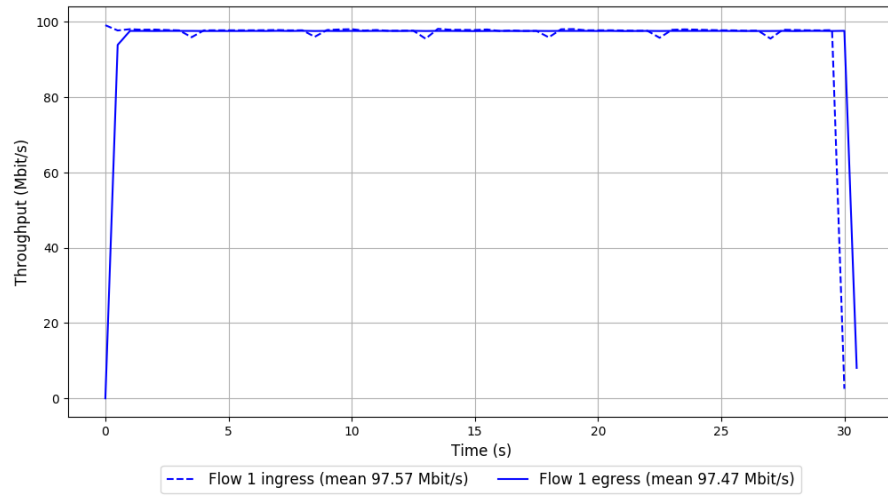


Run 5: Statistics of TCP Cubic

Start at: 2019-08-26 19:24:44
End at: 2019-08-26 19:25:14
Local clock offset: -6.492 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2019-08-26 19:53:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 33.905 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 33.905 ms
Loss rate: 0.01%

Run 5: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2019-08-26 17:43:28

End at: 2019-08-26 17:43:58

Local clock offset: -4.751 ms

Remote clock offset: 0.775 ms

Below is generated by plot.py at 2019-08-26 19:53:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.07 Mbit/s

95th percentile per-packet one-way delay: 11.478 ms

Loss rate: 0.24%

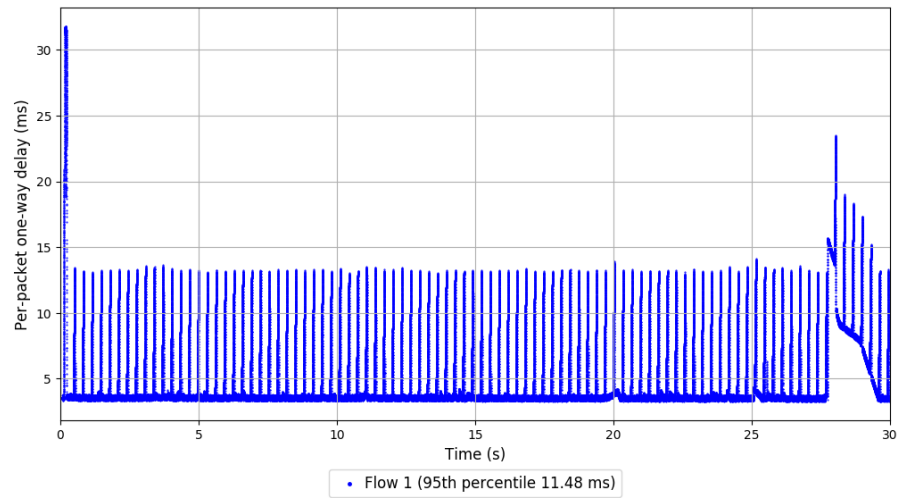
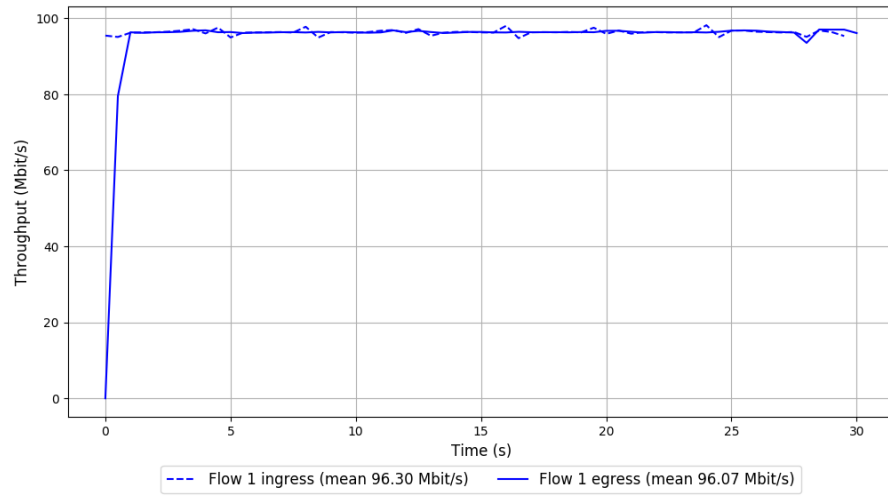
-- Flow 1:

Average throughput: 96.07 Mbit/s

95th percentile per-packet one-way delay: 11.478 ms

Loss rate: 0.24%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2019-08-26 18:10:13

End at: 2019-08-26 18:10:43

Local clock offset: -5.308 ms

Remote clock offset: 0.807 ms

Below is generated by plot.py at 2019-08-26 19:53:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.05 Mbit/s

95th percentile per-packet one-way delay: 9.999 ms

Loss rate: 0.24%

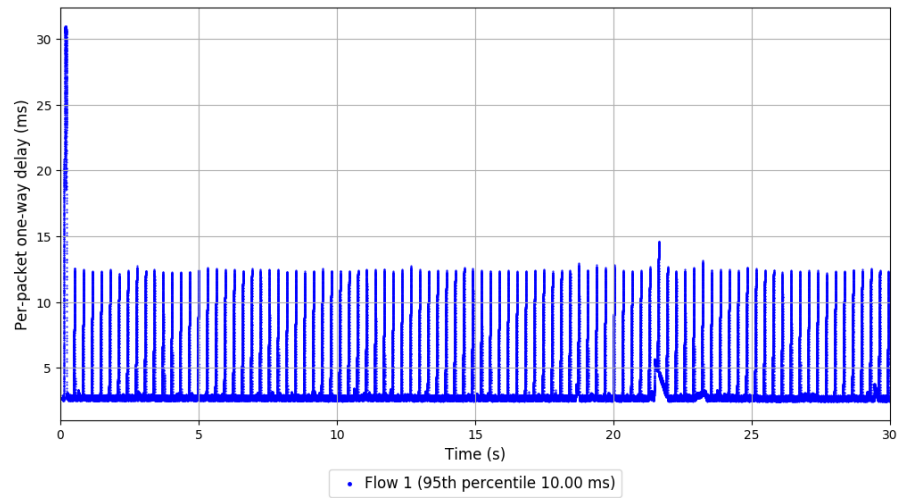
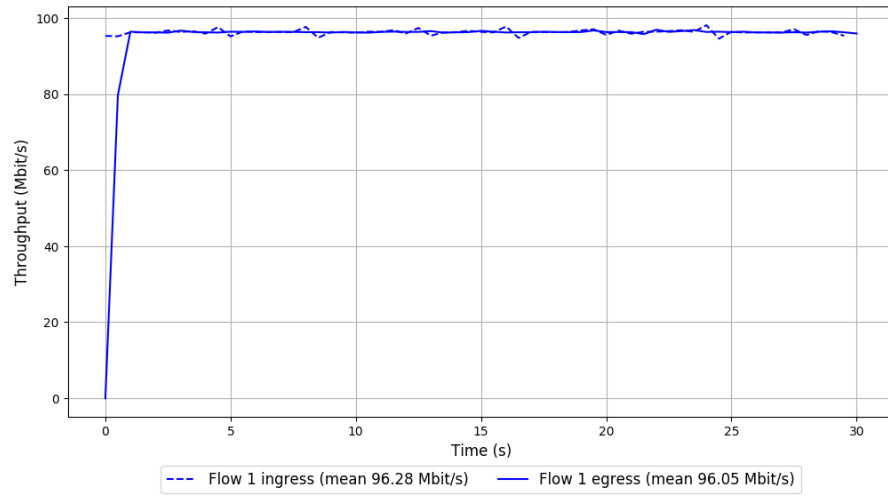
-- Flow 1:

Average throughput: 96.05 Mbit/s

95th percentile per-packet one-way delay: 9.999 ms

Loss rate: 0.24%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2019-08-26 18:36:54

End at: 2019-08-26 18:37:24

Local clock offset: -4.248 ms

Remote clock offset: 0.568 ms

Below is generated by plot.py at 2019-08-26 19:53:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.00 Mbit/s

95th percentile per-packet one-way delay: 10.412 ms

Loss rate: 0.24%

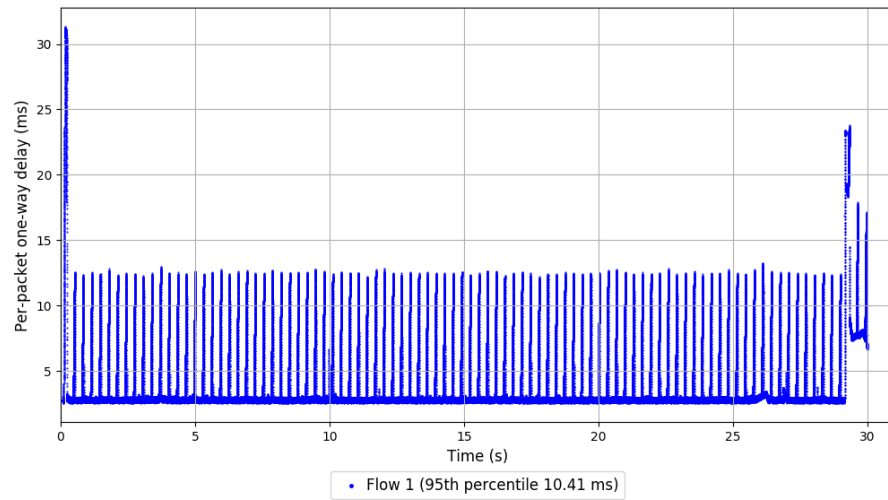
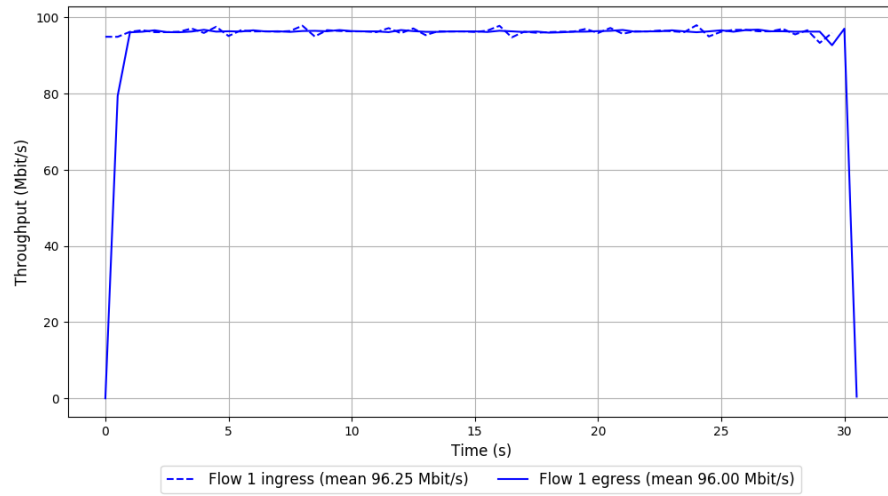
-- Flow 1:

Average throughput: 96.00 Mbit/s

95th percentile per-packet one-way delay: 10.412 ms

Loss rate: 0.24%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2019-08-26 19:03:35

End at: 2019-08-26 19:04:05

Local clock offset: -6.435 ms

Remote clock offset: 0.231 ms

Below is generated by plot.py at 2019-08-26 19:53:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.99 Mbit/s

95th percentile per-packet one-way delay: 8.496 ms

Loss rate: 0.32%

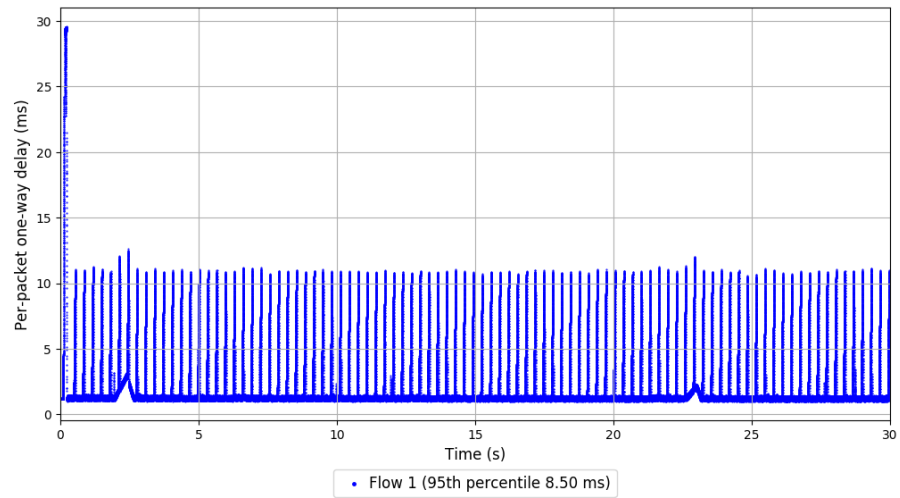
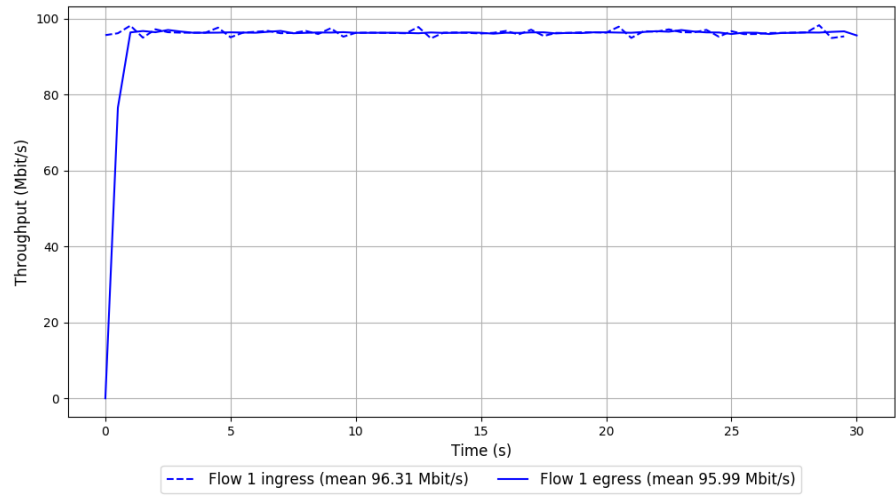
-- Flow 1:

Average throughput: 95.99 Mbit/s

95th percentile per-packet one-way delay: 8.496 ms

Loss rate: 0.32%

Run 4: Report of FillP — Data Link

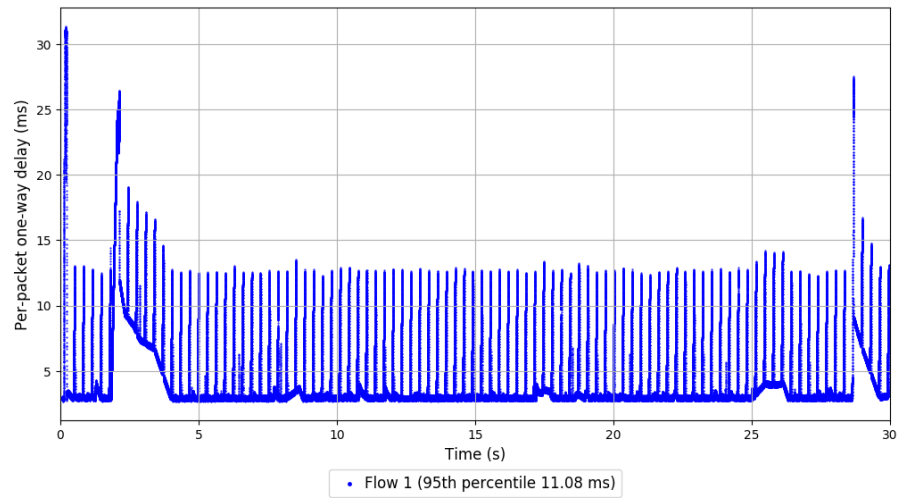
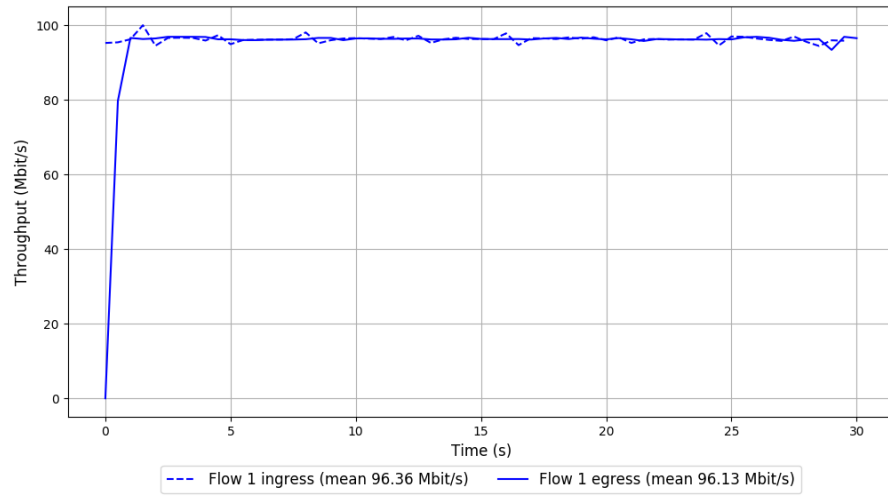


Run 5: Statistics of FillP

Start at: 2019-08-26 19:30:16
End at: 2019-08-26 19:30:46
Local clock offset: -5.365 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2019-08-26 19:53:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.13 Mbit/s
95th percentile per-packet one-way delay: 11.078 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 96.13 Mbit/s
95th percentile per-packet one-way delay: 11.078 ms
Loss rate: 0.24%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-08-26 17:40:10

End at: 2019-08-26 17:40:40

Local clock offset: -4.234 ms

Remote clock offset: 0.67 ms

Below is generated by plot.py at 2019-08-26 19:54:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.61 Mbit/s

95th percentile per-packet one-way delay: 5.749 ms

Loss rate: 0.07%

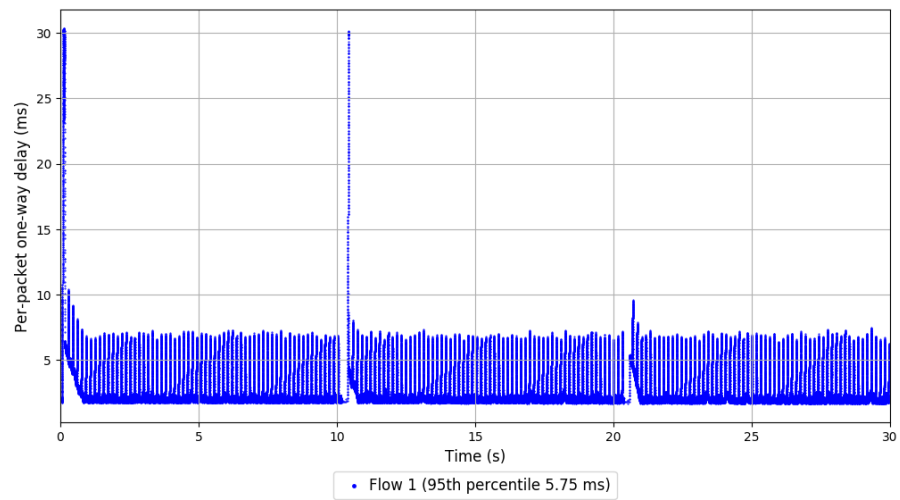
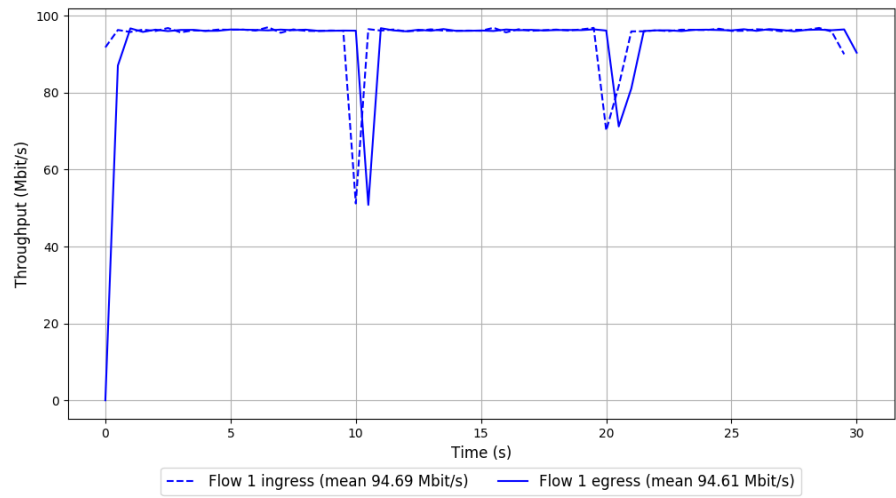
-- Flow 1:

Average throughput: 94.61 Mbit/s

95th percentile per-packet one-way delay: 5.749 ms

Loss rate: 0.07%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2019-08-26 18:06:55

End at: 2019-08-26 18:07:25

Local clock offset: -5.711 ms

Remote clock offset: 0.906 ms

Below is generated by plot.py at 2019-08-26 19:54:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.55 Mbit/s

95th percentile per-packet one-way delay: 6.190 ms

Loss rate: 0.07%

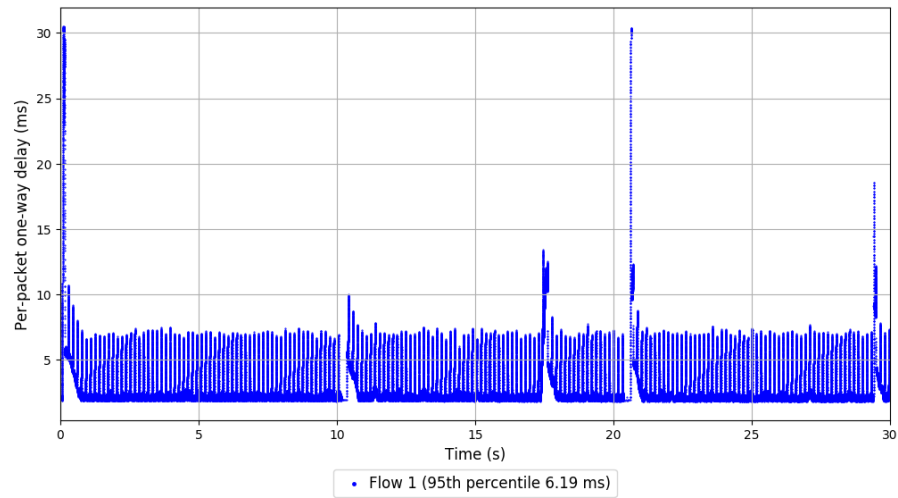
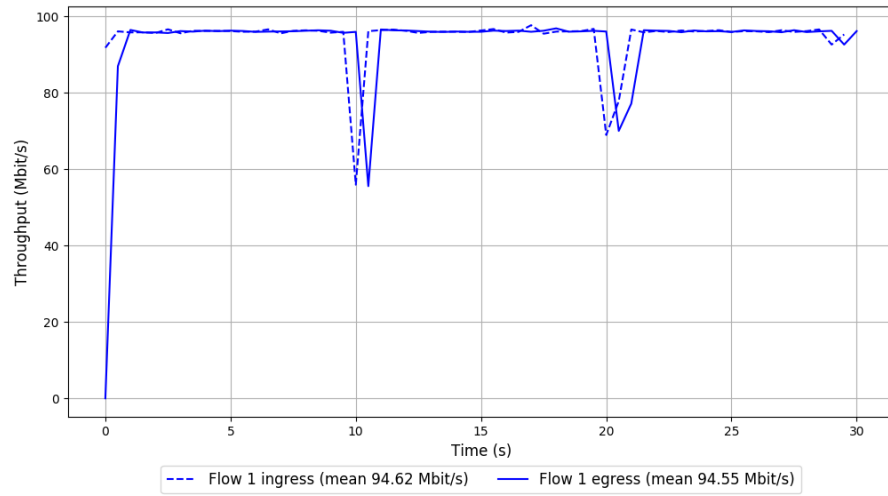
-- Flow 1:

Average throughput: 94.55 Mbit/s

95th percentile per-packet one-way delay: 6.190 ms

Loss rate: 0.07%

Run 2: Report of FillP-Sheep — Data Link

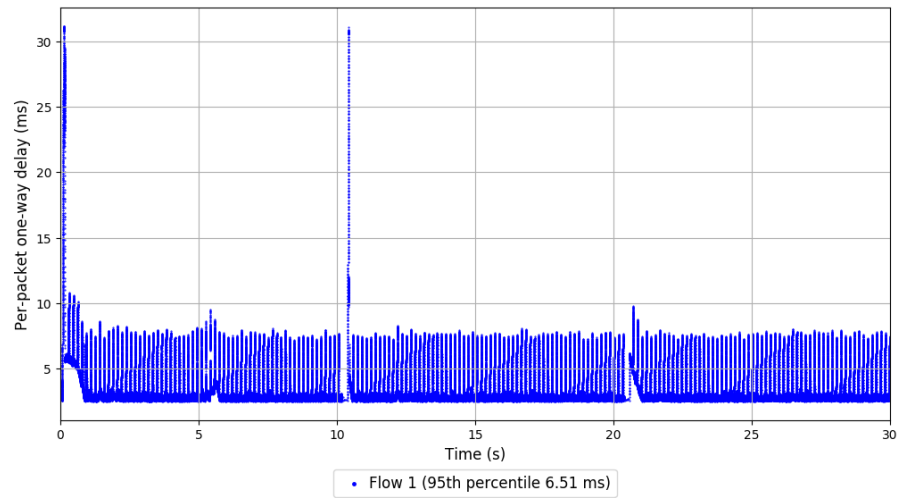
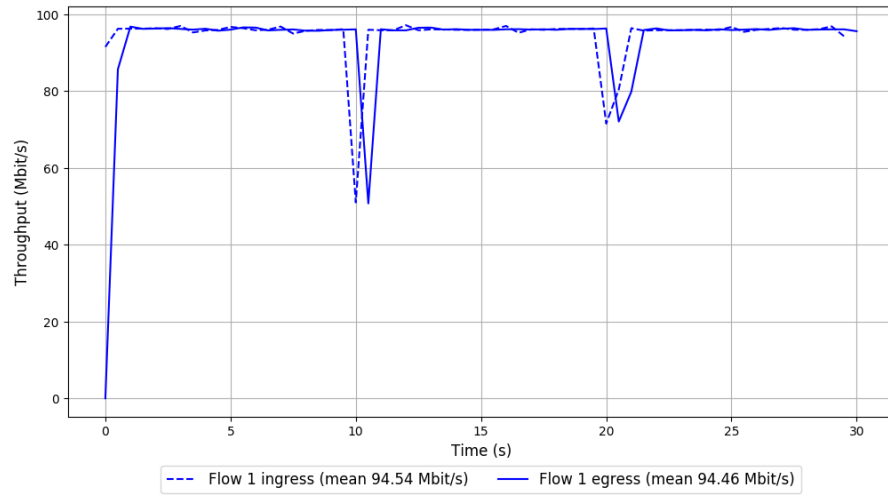


Run 3: Statistics of FillP-Sheep

Start at: 2019-08-26 18:33:36
End at: 2019-08-26 18:34:06
Local clock offset: -4.113 ms
Remote clock offset: 0.587 ms

Below is generated by plot.py at 2019-08-26 19:54:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.46 Mbit/s
95th percentile per-packet one-way delay: 6.507 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 94.46 Mbit/s
95th percentile per-packet one-way delay: 6.507 ms
Loss rate: 0.09%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2019-08-26 19:00:17

End at: 2019-08-26 19:00:47

Local clock offset: -6.153 ms

Remote clock offset: 0.229 ms

Below is generated by plot.py at 2019-08-26 19:55:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.51 Mbit/s

95th percentile per-packet one-way delay: 5.367 ms

Loss rate: 0.08%

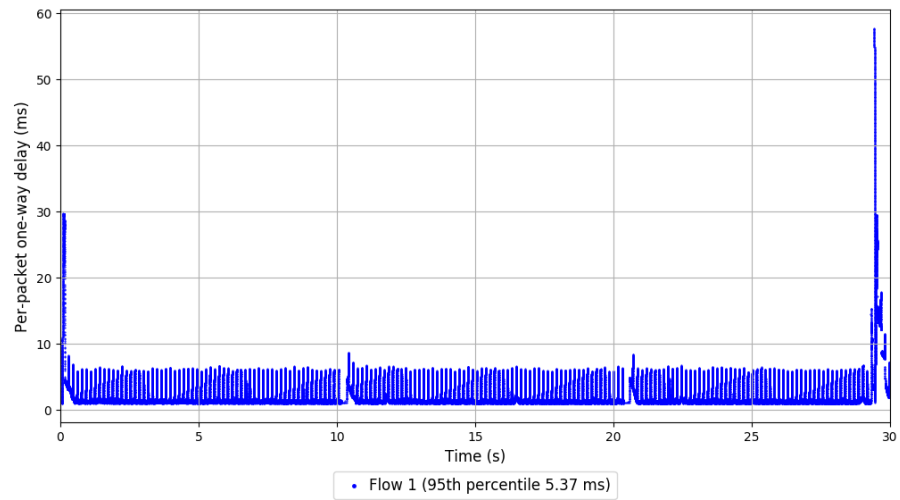
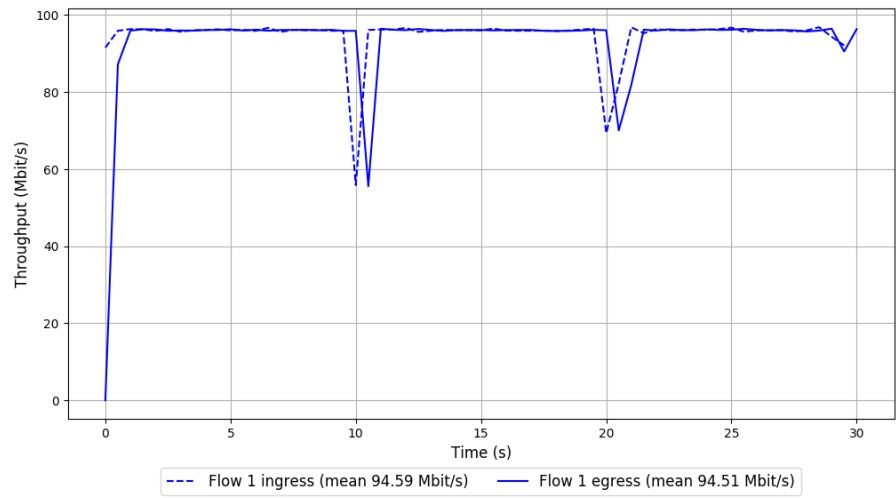
-- Flow 1:

Average throughput: 94.51 Mbit/s

95th percentile per-packet one-way delay: 5.367 ms

Loss rate: 0.08%

Run 4: Report of FillP-Sheep — Data Link

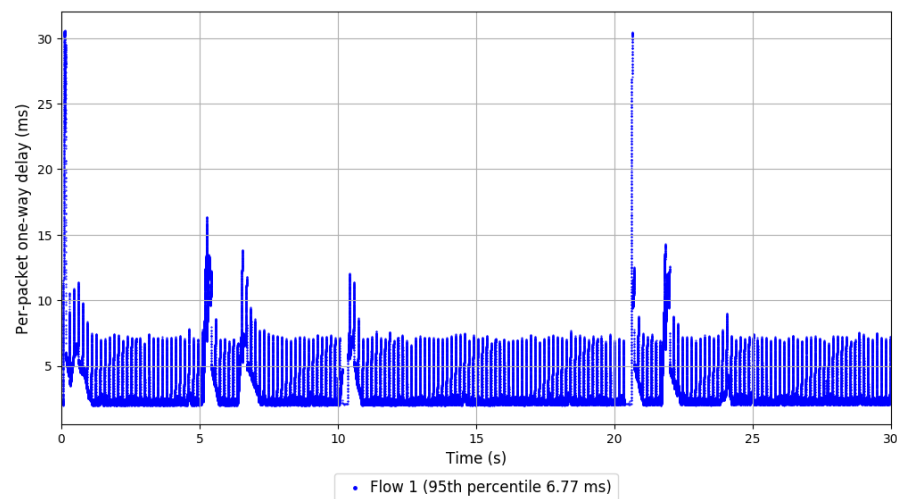
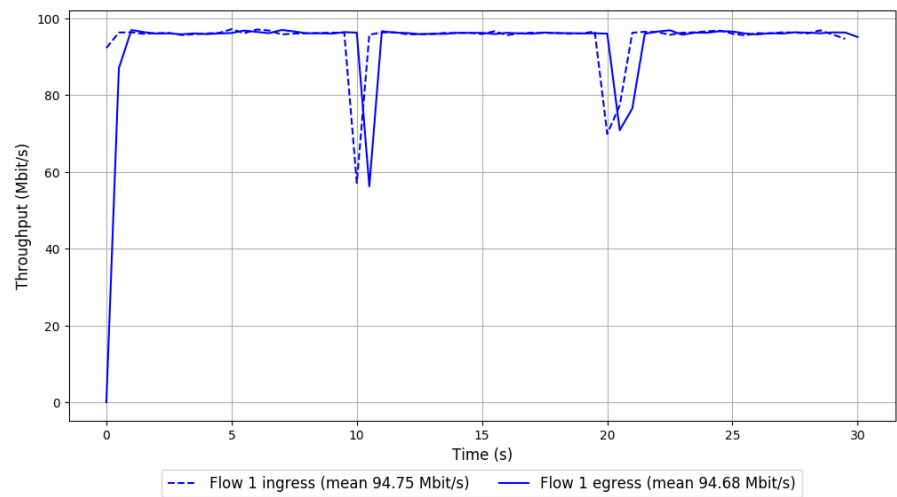


Run 5: Statistics of FillP-Sheep

Start at: 2019-08-26 19:26:58
End at: 2019-08-26 19:27:28
Local clock offset: -6.387 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2019-08-26 19:55:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.68 Mbit/s
95th percentile per-packet one-way delay: 6.774 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 94.68 Mbit/s
95th percentile per-packet one-way delay: 6.774 ms
Loss rate: 0.07%

Run 5: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2019-08-26 17:55:42

End at: 2019-08-26 17:56:12

Local clock offset: -4.826 ms

Remote clock offset: 0.803 ms

Below is generated by plot.py at 2019-08-26 19:55:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.21 Mbit/s

95th percentile per-packet one-way delay: 4.947 ms

Loss rate: 0.00%

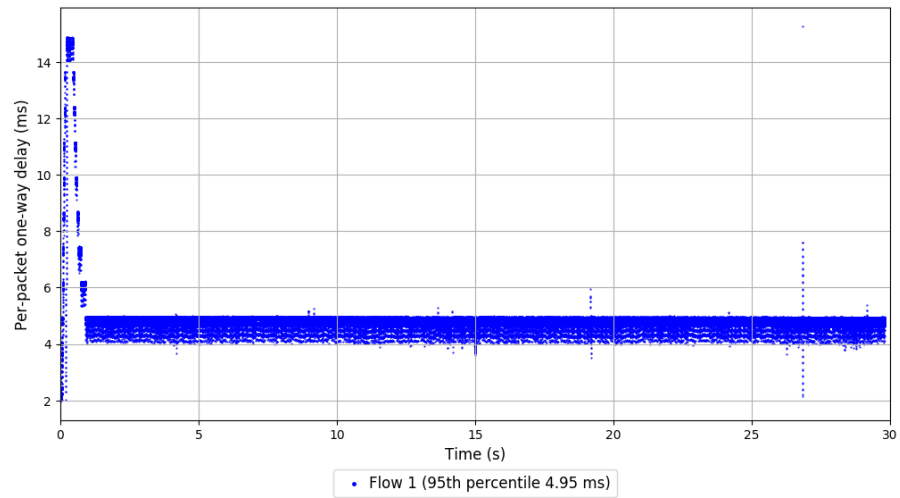
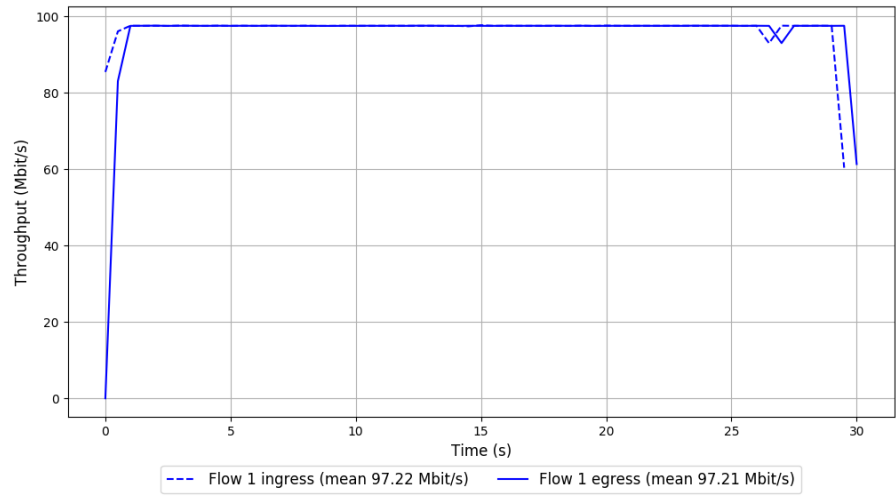
-- Flow 1:

Average throughput: 97.21 Mbit/s

95th percentile per-packet one-way delay: 4.947 ms

Loss rate: 0.00%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2019-08-26 18:22:27

End at: 2019-08-26 18:22:57

Local clock offset: -5.128 ms

Remote clock offset: 0.691 ms

Below is generated by plot.py at 2019-08-26 19:55:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.15 Mbit/s

95th percentile per-packet one-way delay: 6.105 ms

Loss rate: 0.00%

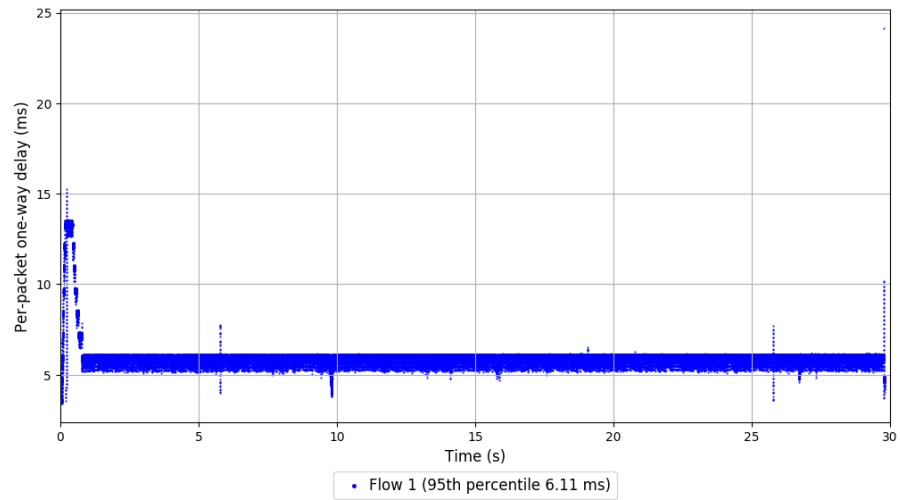
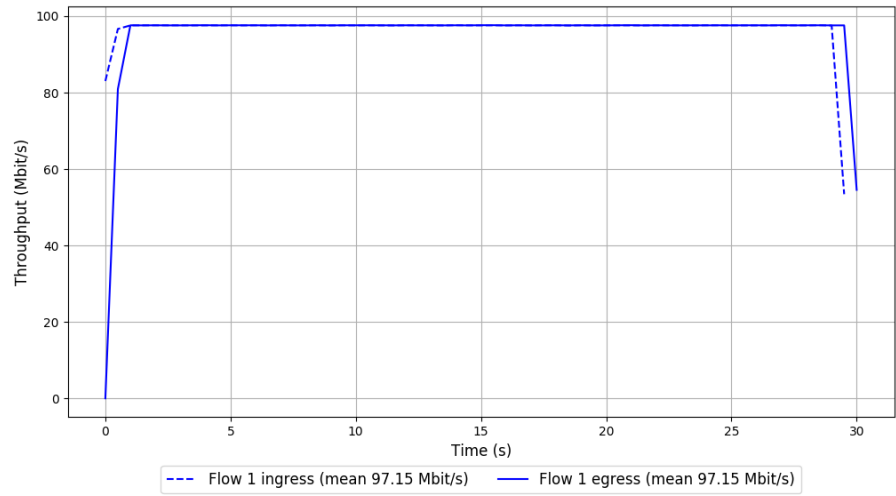
-- Flow 1:

Average throughput: 97.15 Mbit/s

95th percentile per-packet one-way delay: 6.105 ms

Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2019-08-26 18:49:09

End at: 2019-08-26 18:49:39

Local clock offset: -5.002 ms

Remote clock offset: 0.501 ms

Below is generated by plot.py at 2019-08-26 19:55:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.76 Mbit/s

95th percentile per-packet one-way delay: 5.361 ms

Loss rate: 0.00%

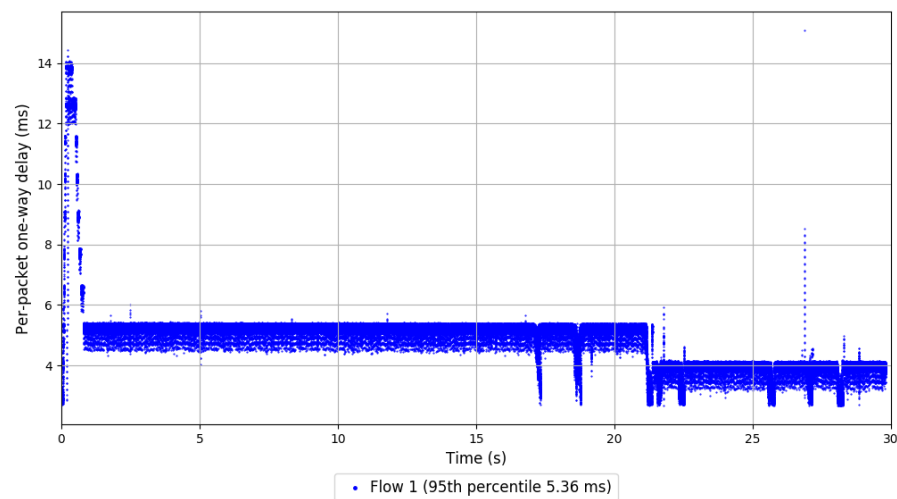
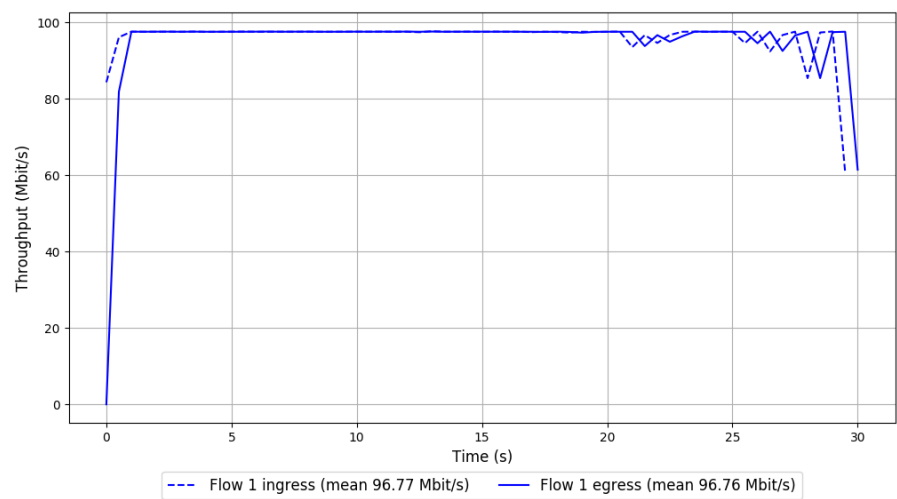
-- Flow 1:

Average throughput: 96.76 Mbit/s

95th percentile per-packet one-way delay: 5.361 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-08-26 19:15:50

End at: 2019-08-26 19:16:20

Local clock offset: -6.821 ms

Remote clock offset: 0.092 ms

Below is generated by plot.py at 2019-08-26 19:55:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.22 Mbit/s

95th percentile per-packet one-way delay: 6.260 ms

Loss rate: 0.00%

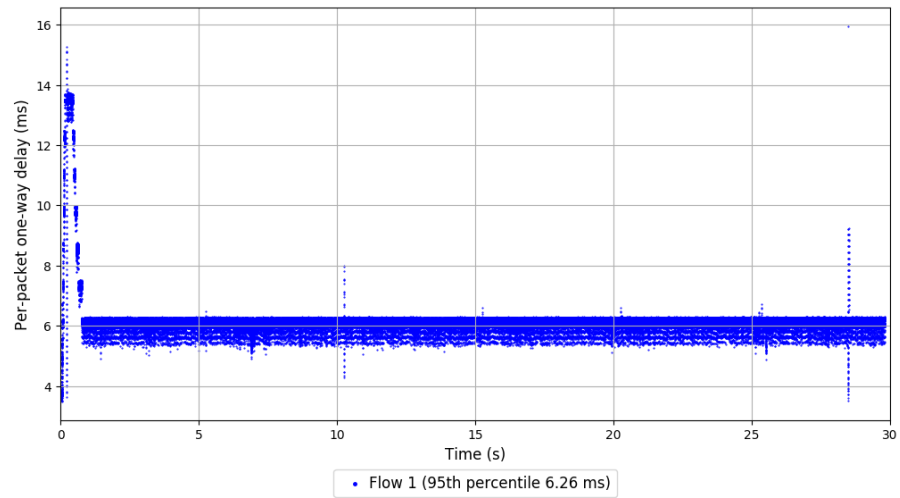
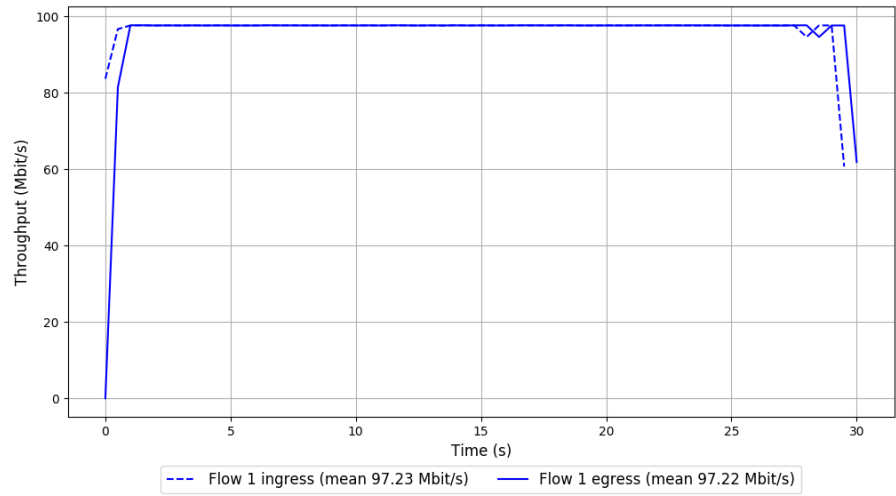
-- Flow 1:

Average throughput: 97.22 Mbit/s

95th percentile per-packet one-way delay: 6.260 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

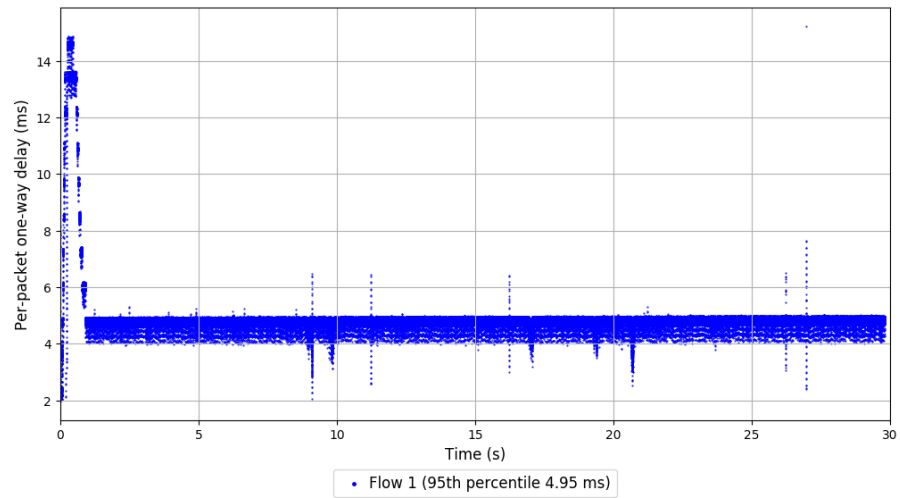
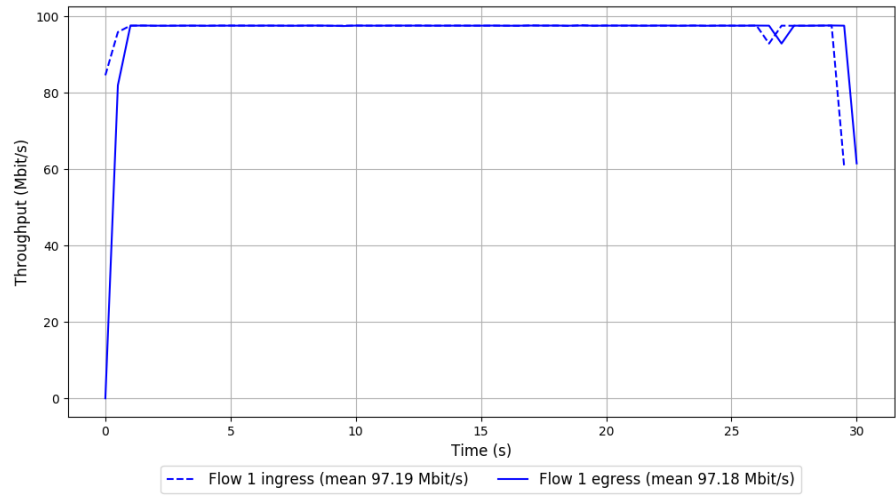


Run 5: Statistics of Indigo

Start at: 2019-08-26 19:42:28
End at: 2019-08-26 19:42:58
Local clock offset: -3.86 ms
Remote clock offset: -0.149 ms

Below is generated by plot.py at 2019-08-26 19:55:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 4.954 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 4.954 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

Start at: 2019-08-26 17:45:40

End at: 2019-08-26 17:46:10

Local clock offset: -4.066 ms

Remote clock offset: 0.669 ms

Below is generated by plot.py at 2019-08-26 19:55:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.81 Mbit/s

95th percentile per-packet one-way delay: 4.510 ms

Loss rate: 0.00%

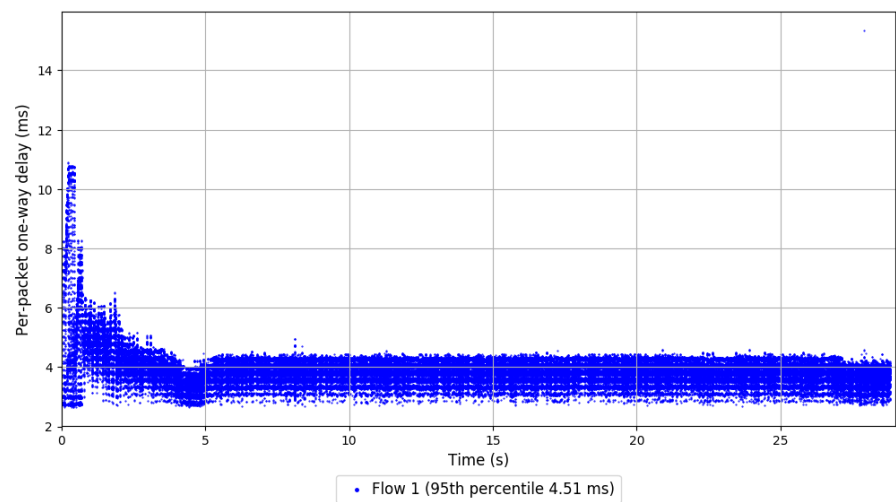
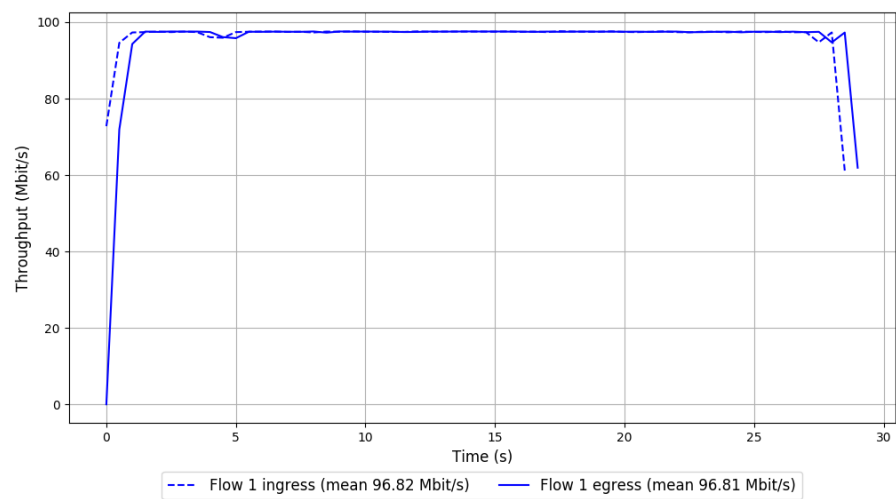
-- Flow 1:

Average throughput: 96.81 Mbit/s

95th percentile per-packet one-way delay: 4.510 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2019-08-26 18:12:26

End at: 2019-08-26 18:12:56

Local clock offset: -6.248 ms

Remote clock offset: 0.837 ms

Below is generated by plot.py at 2019-08-26 19:55:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.12 Mbit/s

95th percentile per-packet one-way delay: 4.344 ms

Loss rate: 0.00%

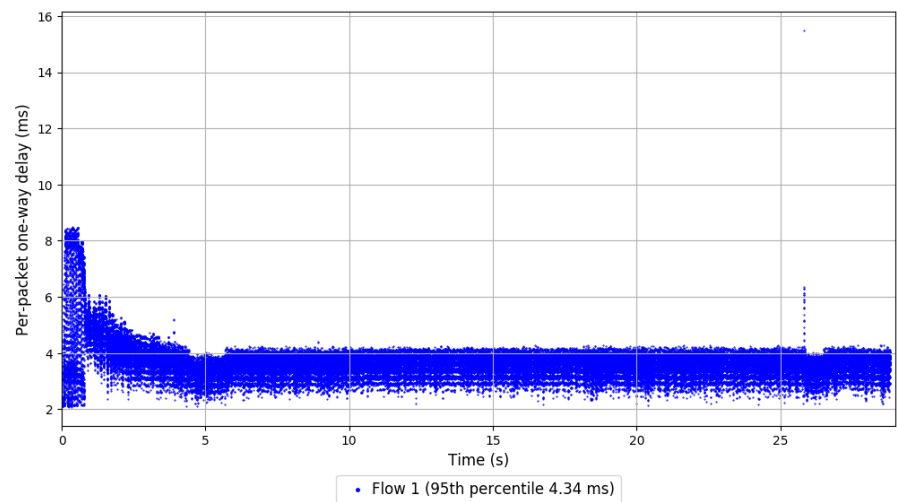
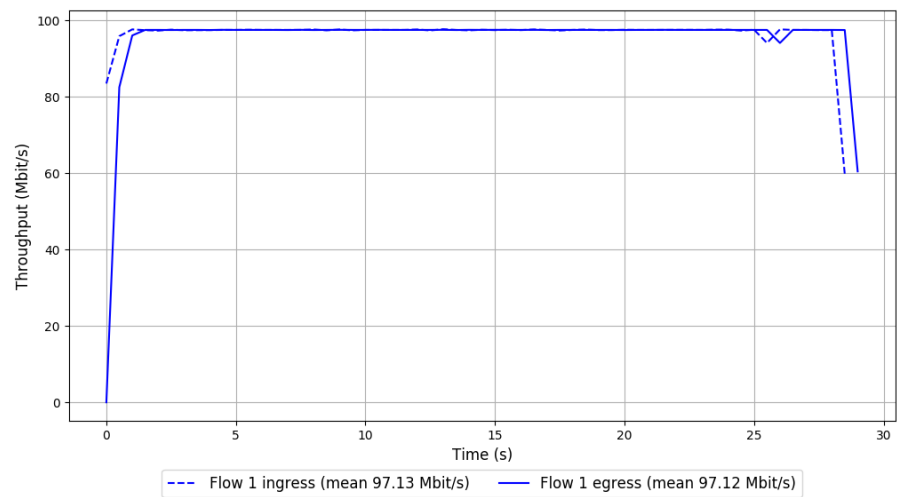
-- Flow 1:

Average throughput: 97.12 Mbit/s

95th percentile per-packet one-way delay: 4.344 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesC3 — Data Link



Run 3: Statistics of Indigo-MusesC3

Start at: 2019-08-26 18:39:07

End at: 2019-08-26 18:39:37

Local clock offset: -4.377 ms

Remote clock offset: 0.552 ms

Below is generated by plot.py at 2019-08-26 19:56:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.90 Mbit/s

95th percentile per-packet one-way delay: 3.619 ms

Loss rate: 0.00%

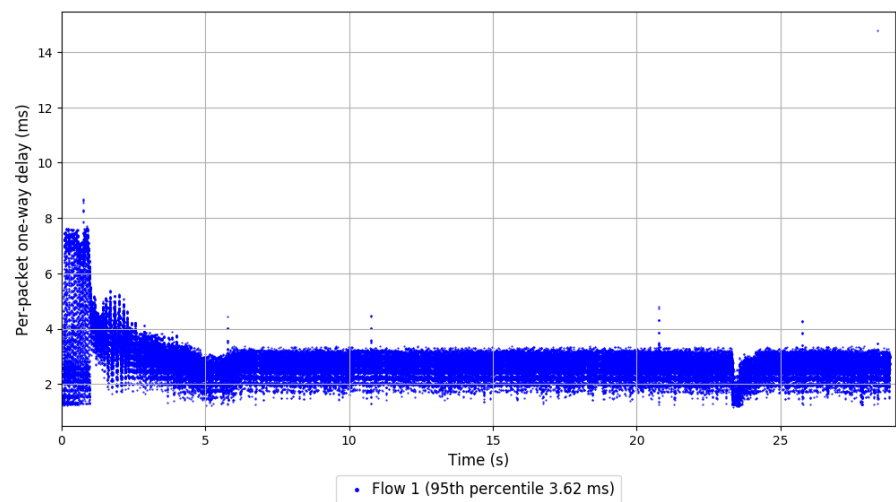
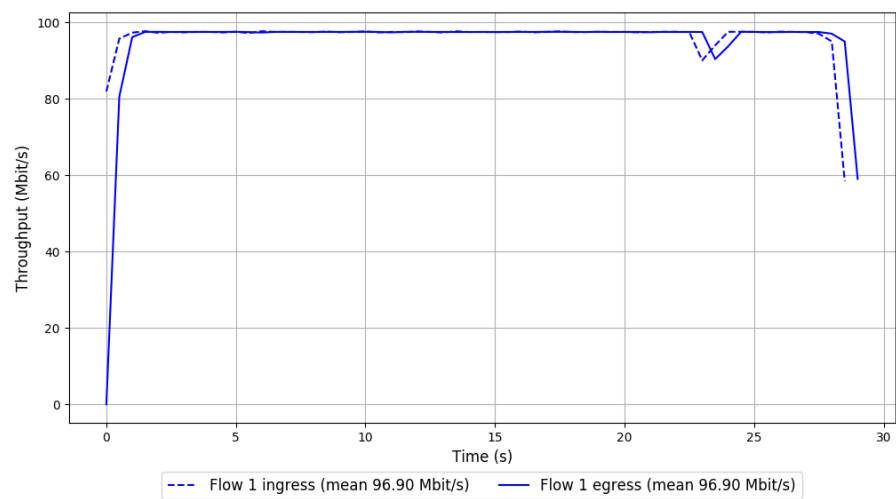
-- Flow 1:

Average throughput: 96.90 Mbit/s

95th percentile per-packet one-way delay: 3.619 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2019-08-26 19:05:47

End at: 2019-08-26 19:06:17

Local clock offset: -6.579 ms

Remote clock offset: 0.197 ms

Below is generated by plot.py at 2019-08-26 19:56:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.69 Mbit/s

95th percentile per-packet one-way delay: 4.598 ms

Loss rate: 0.00%

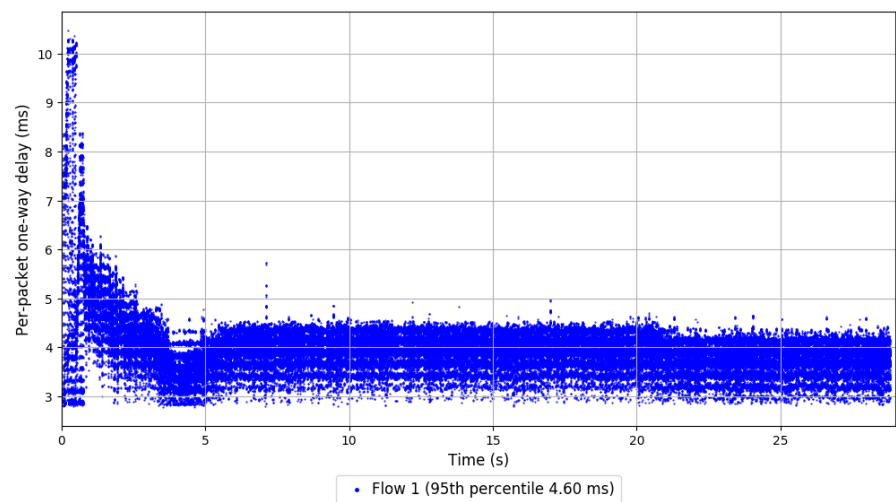
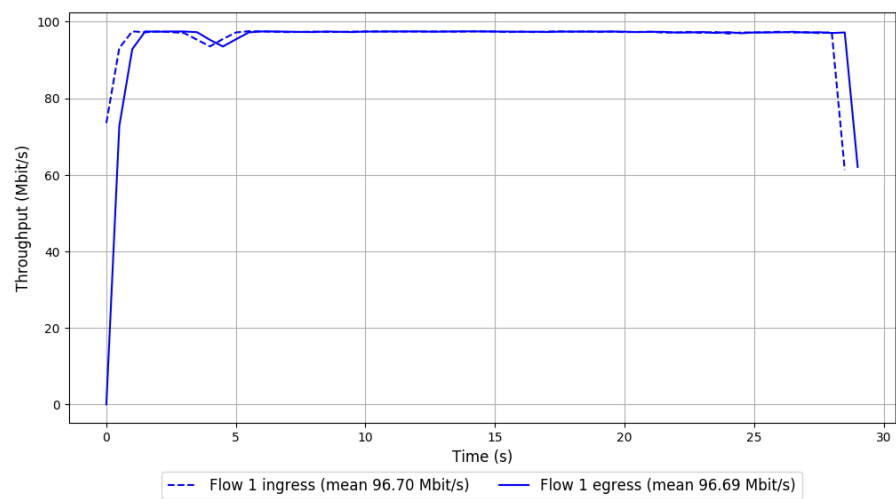
-- Flow 1:

Average throughput: 96.69 Mbit/s

95th percentile per-packet one-way delay: 4.598 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesC3 — Data Link

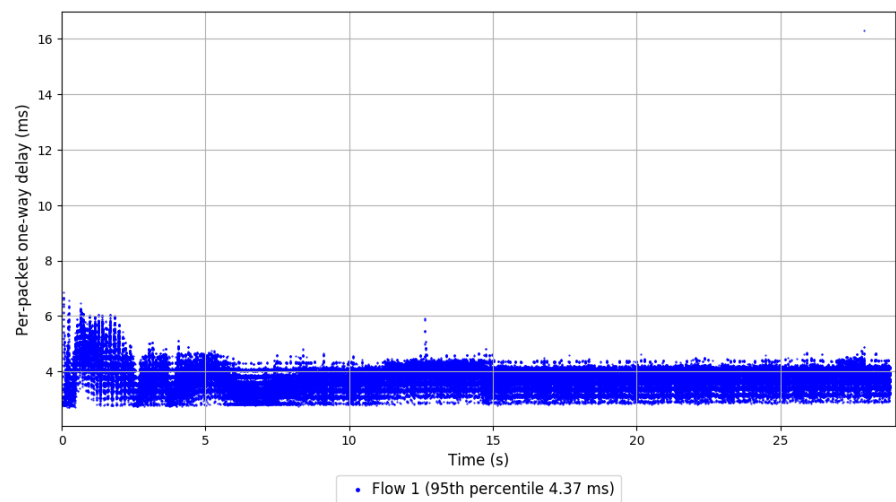
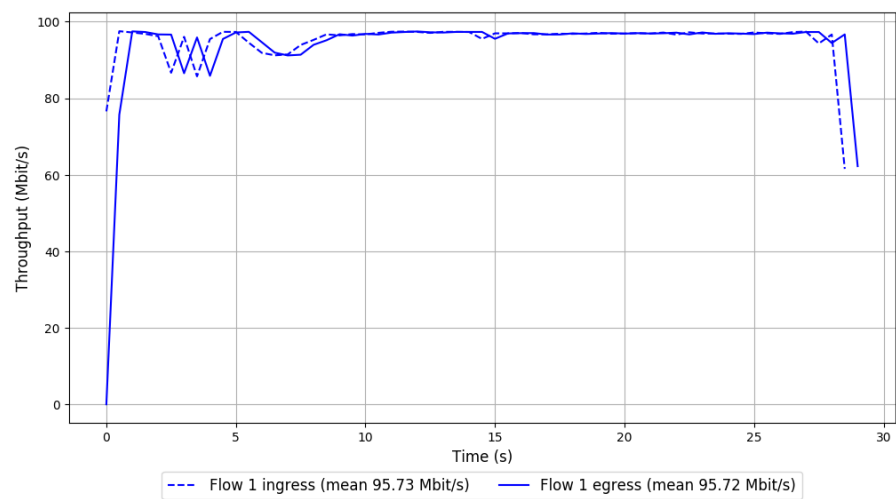


Run 5: Statistics of Indigo-MusesC3

Start at: 2019-08-26 19:32:28
End at: 2019-08-26 19:32:58
Local clock offset: -4.904 ms
Remote clock offset: -0.144 ms

Below is generated by plot.py at 2019-08-26 19:56:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.72 Mbit/s
95th percentile per-packet one-way delay: 4.374 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.72 Mbit/s
95th percentile per-packet one-way delay: 4.374 ms
Loss rate: 0.00%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2019-08-26 17:47:53

End at: 2019-08-26 17:48:23

Local clock offset: -3.934 ms

Remote clock offset: 0.844 ms

Below is generated by plot.py at 2019-08-26 19:56:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.98 Mbit/s

95th percentile per-packet one-way delay: 7.530 ms

Loss rate: 0.00%

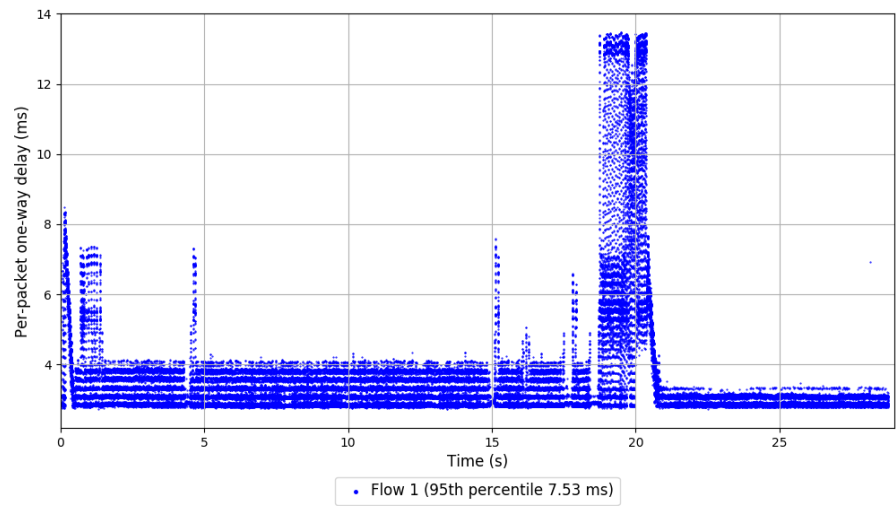
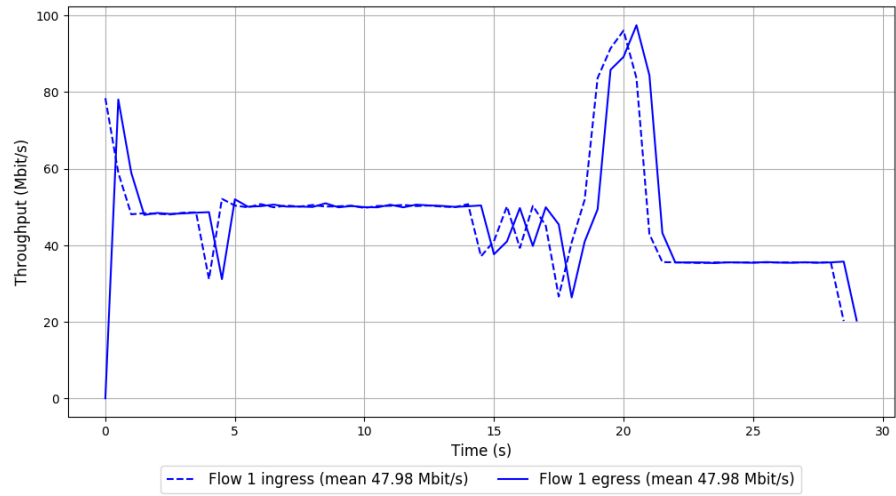
-- Flow 1:

Average throughput: 47.98 Mbit/s

95th percentile per-packet one-way delay: 7.530 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesC5 — Data Link



Run 2: Statistics of Indigo-MusesC5

Start at: 2019-08-26 18:14:39

End at: 2019-08-26 18:15:09

Local clock offset: -5.183 ms

Remote clock offset: 0.853 ms

Below is generated by plot.py at 2019-08-26 19:56:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.37 Mbit/s

95th percentile per-packet one-way delay: 4.050 ms

Loss rate: 0.00%

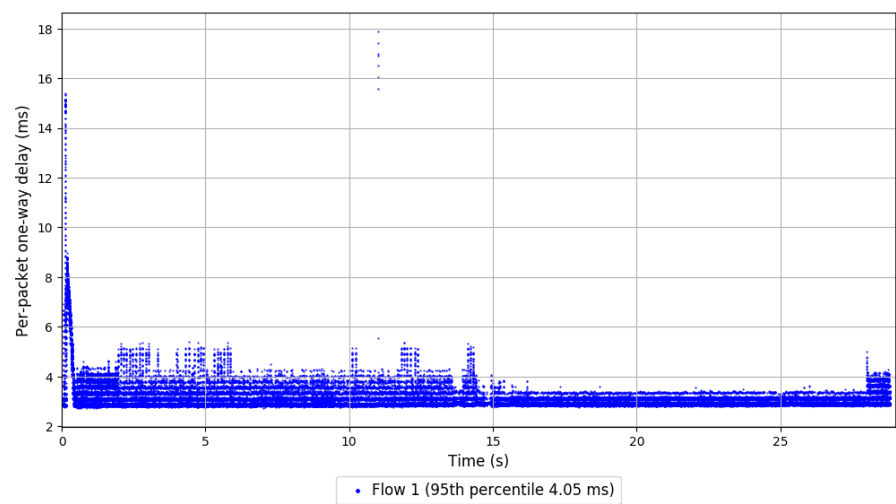
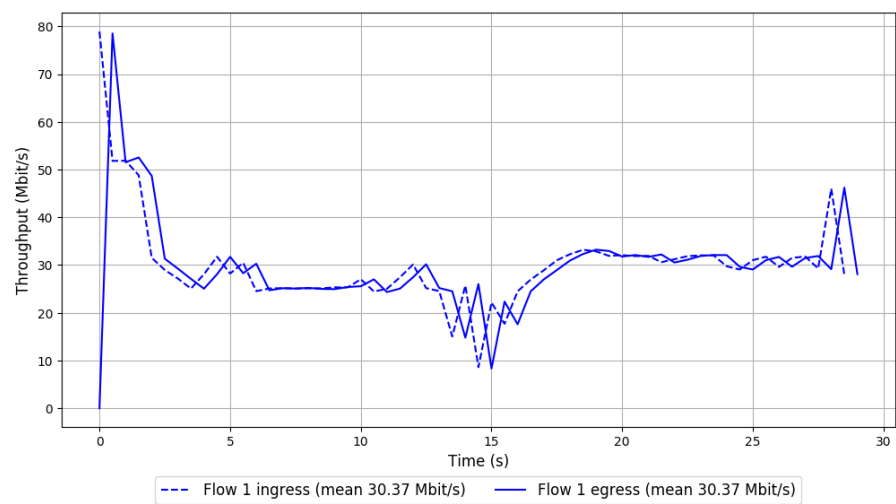
-- Flow 1:

Average throughput: 30.37 Mbit/s

95th percentile per-packet one-way delay: 4.050 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesC5 — Data Link

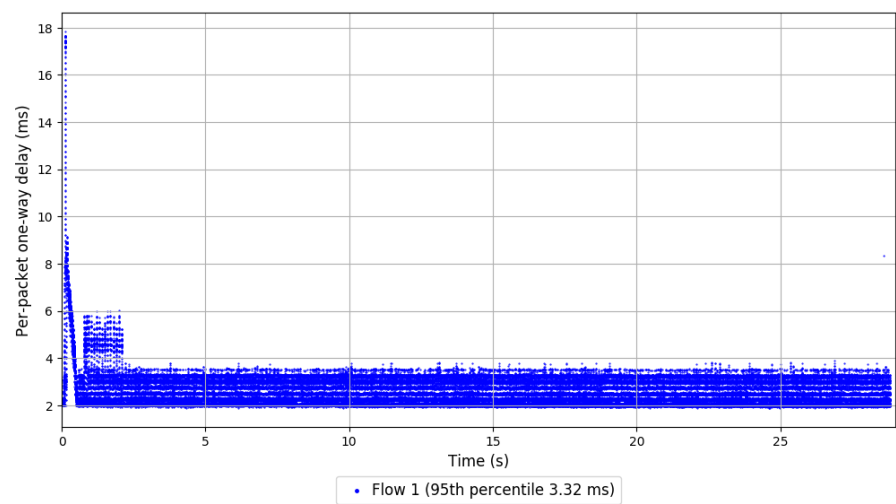
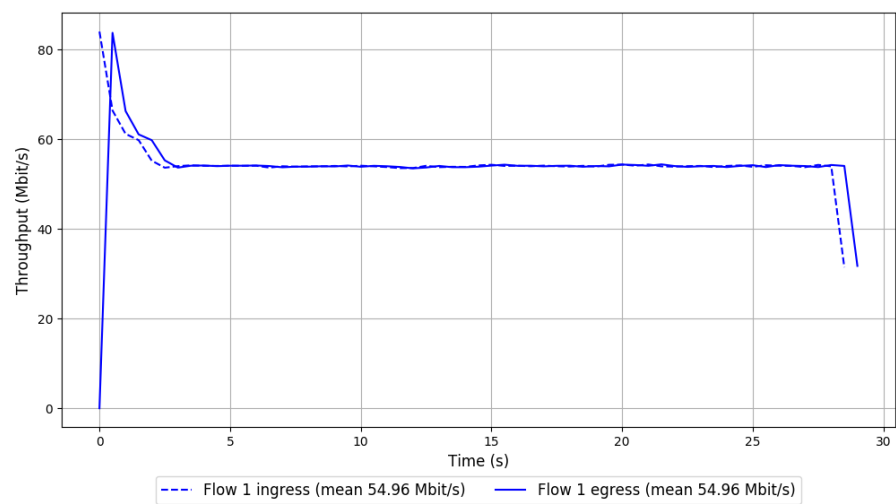


Run 3: Statistics of Indigo-MusesC5

Start at: 2019-08-26 18:41:20
End at: 2019-08-26 18:41:50
Local clock offset: -5.197 ms
Remote clock offset: 0.544 ms

Below is generated by plot.py at 2019-08-26 19:56:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 54.96 Mbit/s
95th percentile per-packet one-way delay: 3.321 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.96 Mbit/s
95th percentile per-packet one-way delay: 3.321 ms
Loss rate: 0.00%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-08-26 19:08:01

End at: 2019-08-26 19:08:31

Local clock offset: -6.395 ms

Remote clock offset: 0.177 ms

Below is generated by plot.py at 2019-08-26 19:56:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.59 Mbit/s

95th percentile per-packet one-way delay: 4.066 ms

Loss rate: 0.00%

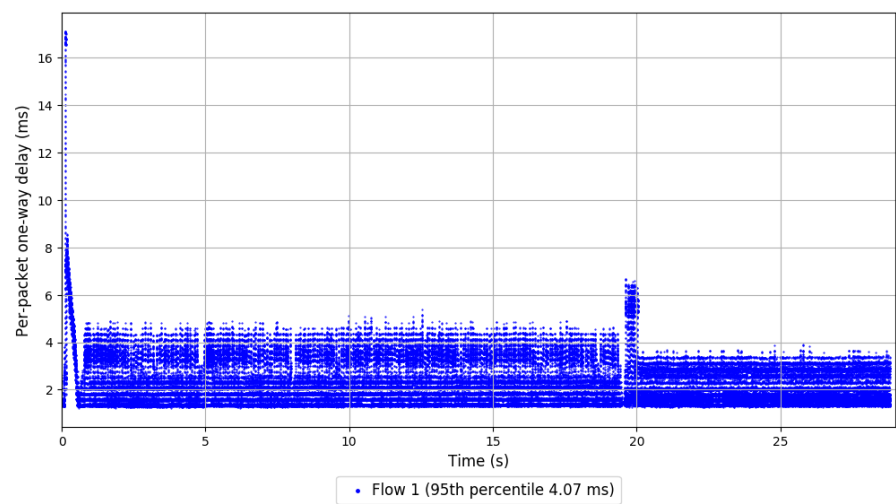
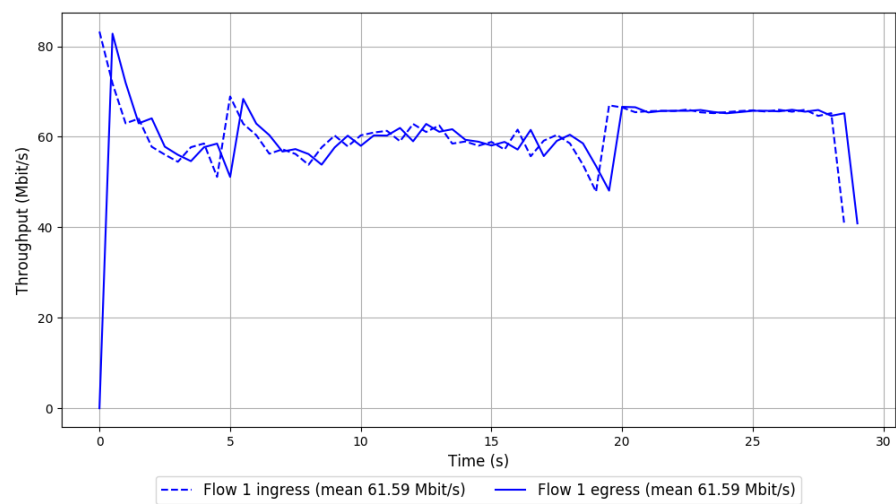
-- Flow 1:

Average throughput: 61.59 Mbit/s

95th percentile per-packet one-way delay: 4.066 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesC5 — Data Link

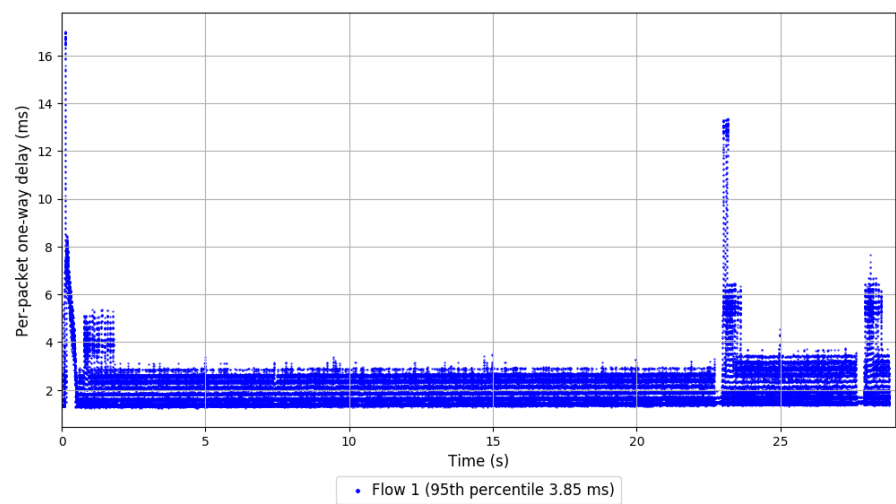
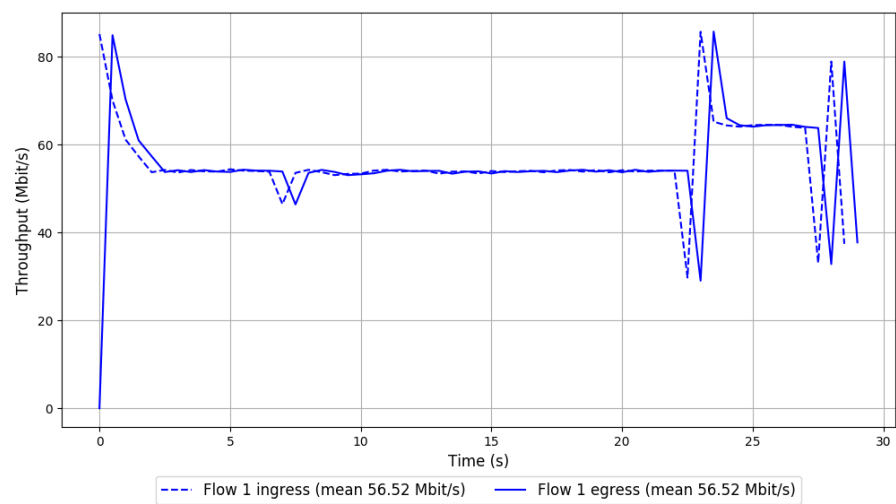


Run 5: Statistics of Indigo-MusesC5

Start at: 2019-08-26 19:34:41
End at: 2019-08-26 19:35:11
Local clock offset: -4.357 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2019-08-26 19:56:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 56.52 Mbit/s
95th percentile per-packet one-way delay: 3.853 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 56.52 Mbit/s
95th percentile per-packet one-way delay: 3.853 ms
Loss rate: 0.01%

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

Start at: 2019-08-26 17:39:03

End at: 2019-08-26 17:39:33

Local clock offset: -4.199 ms

Remote clock offset: 0.702 ms

Below is generated by plot.py at 2019-08-26 19:56:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.41 Mbit/s

95th percentile per-packet one-way delay: 5.547 ms

Loss rate: 0.00%

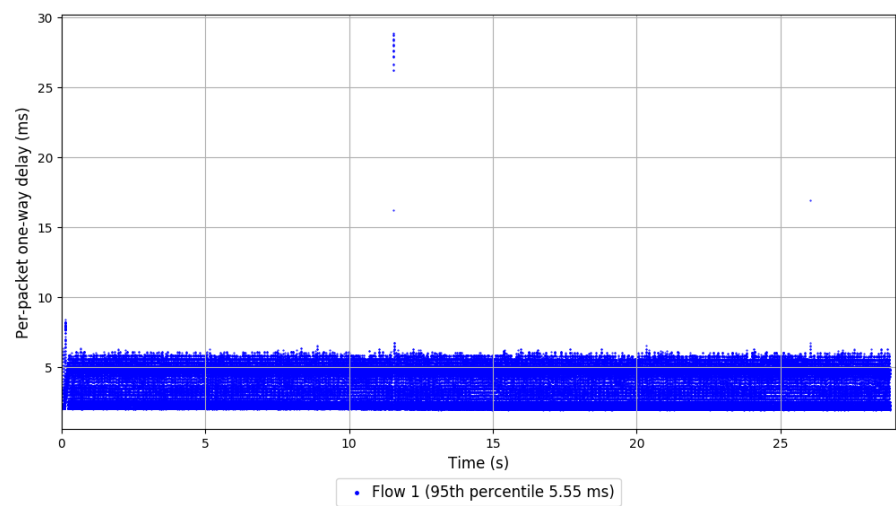
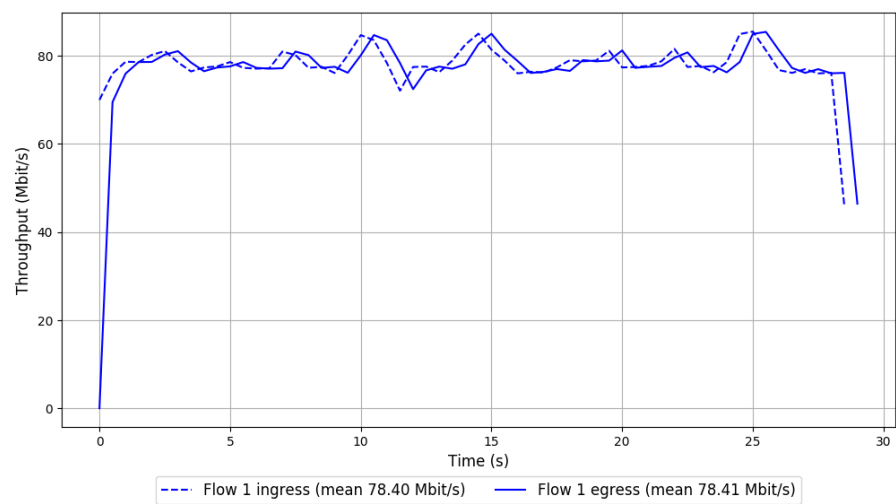
-- Flow 1:

Average throughput: 78.41 Mbit/s

95th percentile per-packet one-way delay: 5.547 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-08-26 18:05:44

End at: 2019-08-26 18:06:14

Local clock offset: -4.82 ms

Remote clock offset: 0.807 ms

Below is generated by plot.py at 2019-08-26 19:56:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.00 Mbit/s

95th percentile per-packet one-way delay: 3.171 ms

Loss rate: 0.00%

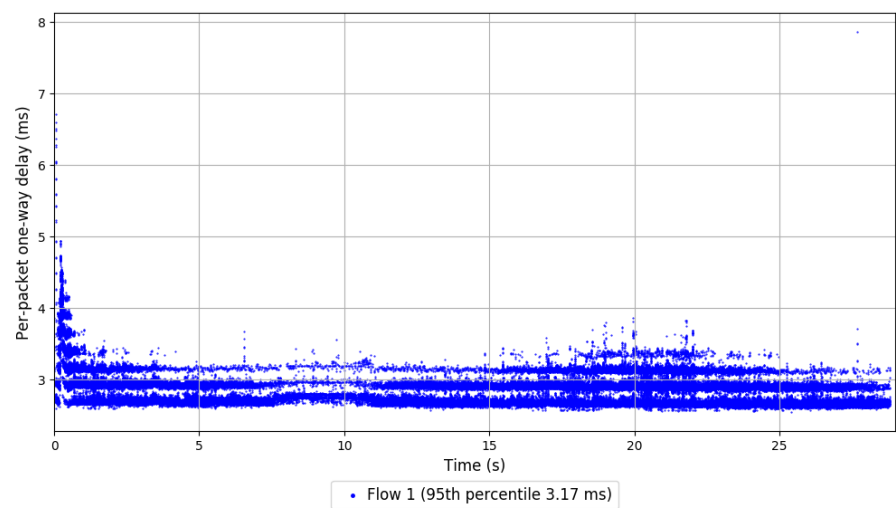
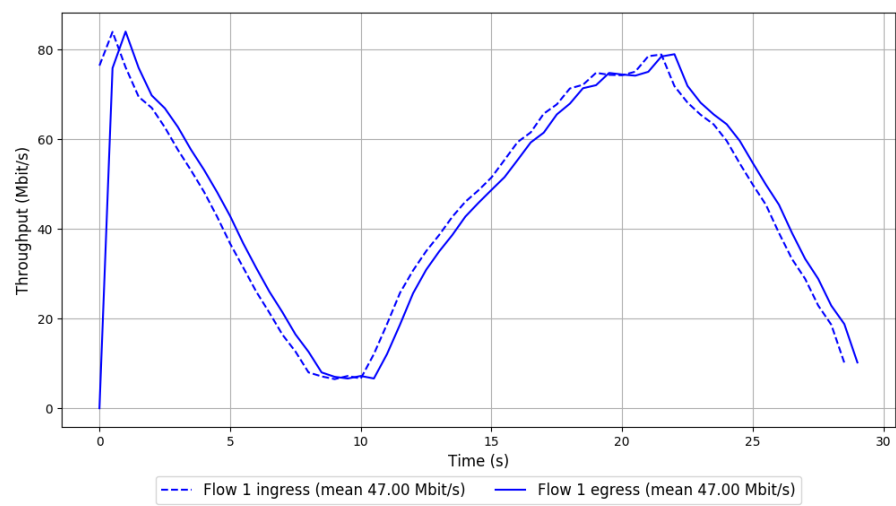
-- Flow 1:

Average throughput: 47.00 Mbit/s

95th percentile per-packet one-way delay: 3.171 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-08-26 18:32:29

End at: 2019-08-26 18:32:59

Local clock offset: -4.872 ms

Remote clock offset: 0.628 ms

Below is generated by plot.py at 2019-08-26 19:56:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.73 Mbit/s

95th percentile per-packet one-way delay: 5.549 ms

Loss rate: 0.00%

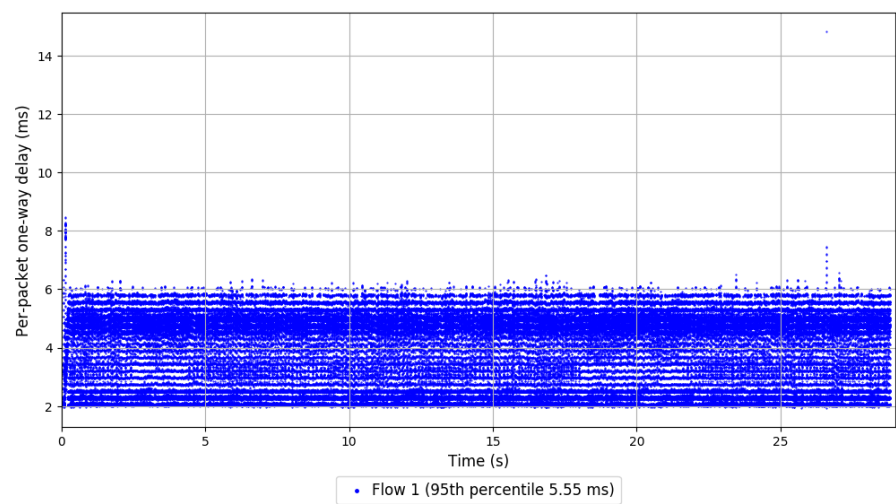
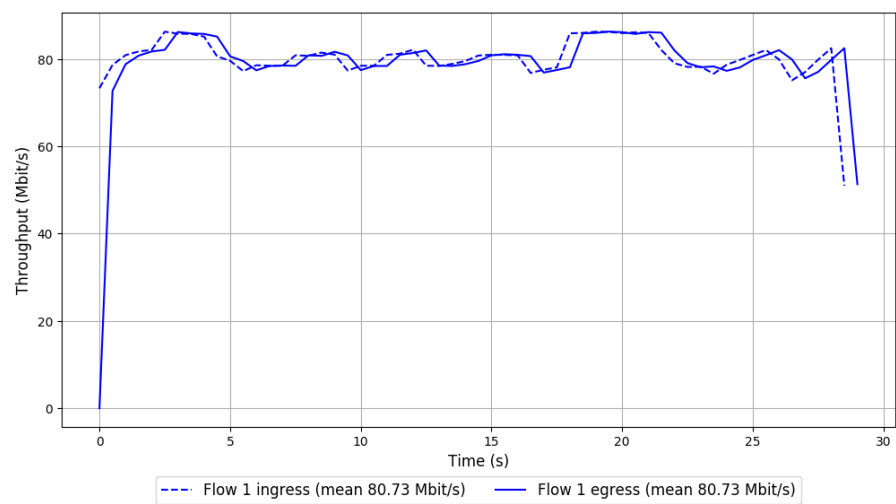
-- Flow 1:

Average throughput: 80.73 Mbit/s

95th percentile per-packet one-way delay: 5.549 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-08-26 18:59:11

End at: 2019-08-26 18:59:41

Local clock offset: -6.732 ms

Remote clock offset: 0.194 ms

Below is generated by plot.py at 2019-08-26 19:56:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.47 Mbit/s

95th percentile per-packet one-way delay: 3.850 ms

Loss rate: 0.00%

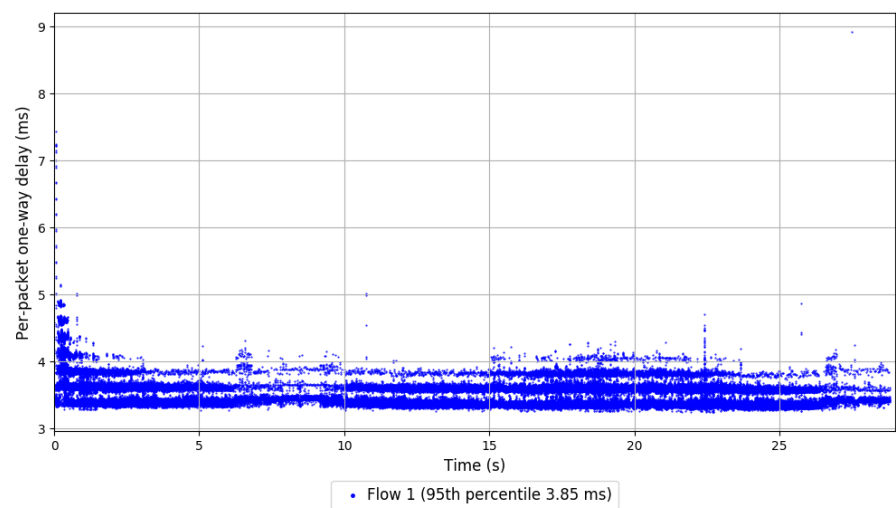
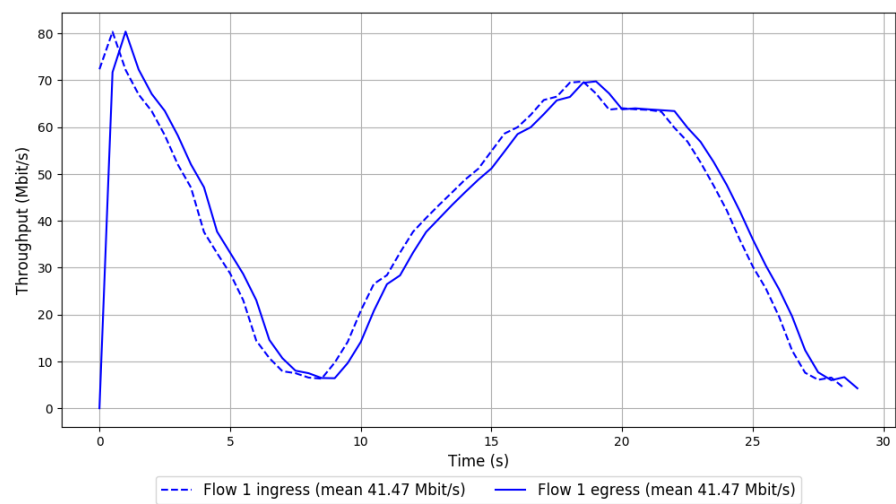
-- Flow 1:

Average throughput: 41.47 Mbit/s

95th percentile per-packet one-way delay: 3.850 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-08-26 19:25:52

End at: 2019-08-26 19:26:22

Local clock offset: -6.415 ms

Remote clock offset: -0.094 ms

Below is generated by plot.py at 2019-08-26 19:56:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.71 Mbit/s

95th percentile per-packet one-way delay: 5.268 ms

Loss rate: 0.00%

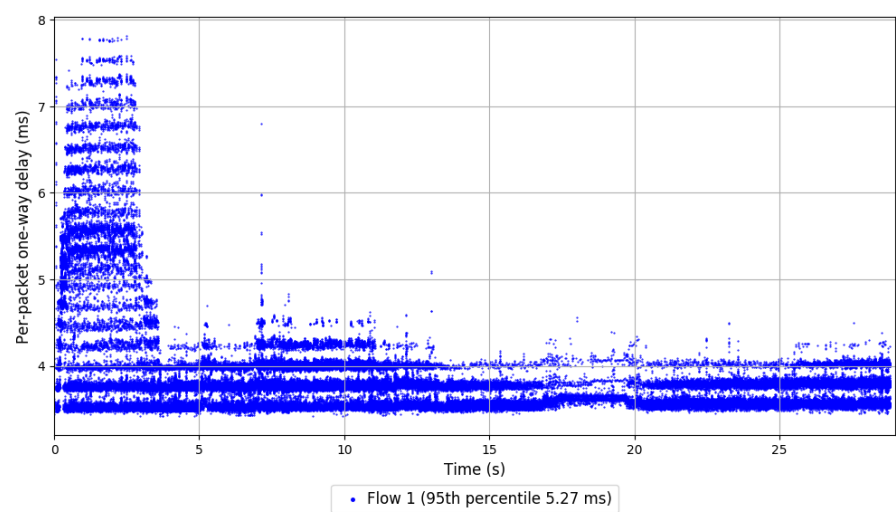
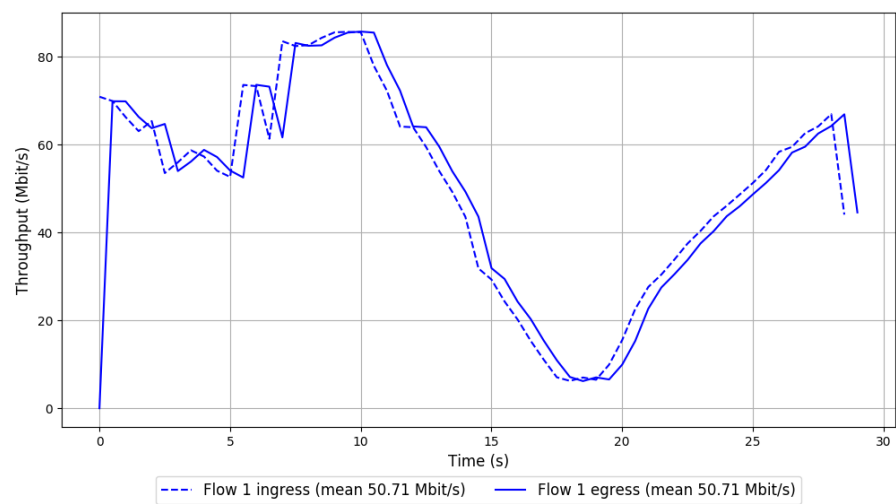
-- Flow 1:

Average throughput: 50.71 Mbit/s

95th percentile per-packet one-way delay: 5.268 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MusesT

Start at: 2019-08-26 17:36:46

End at: 2019-08-26 17:37:16

Local clock offset: -3.904 ms

Remote clock offset: 0.58 ms

Below is generated by plot.py at 2019-08-26 19:57:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.11 Mbit/s

95th percentile per-packet one-way delay: 7.754 ms

Loss rate: 0.00%

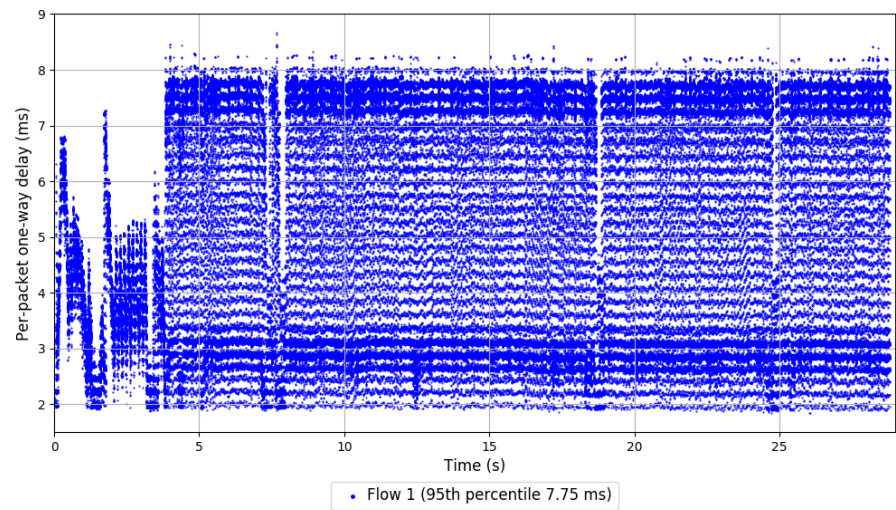
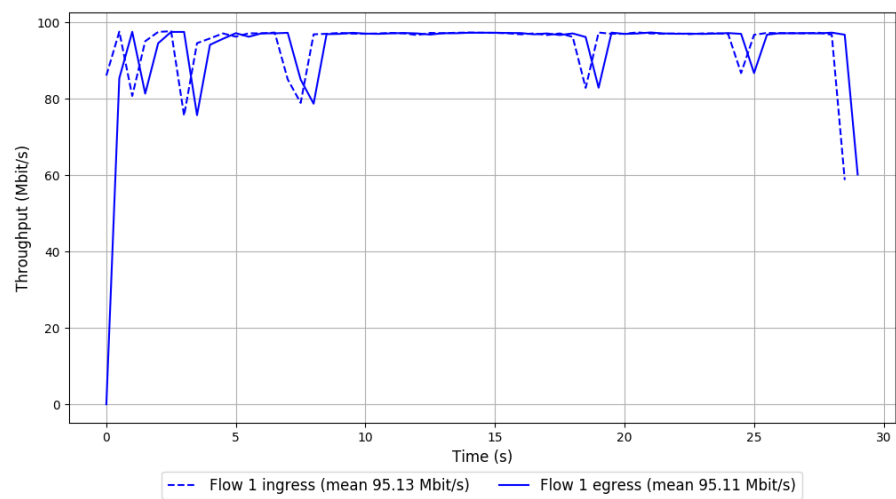
-- Flow 1:

Average throughput: 95.11 Mbit/s

95th percentile per-packet one-way delay: 7.754 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-08-26 18:03:28

End at: 2019-08-26 18:03:58

Local clock offset: -4.592 ms

Remote clock offset: 0.85 ms

Below is generated by plot.py at 2019-08-26 19:57:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.90 Mbit/s

95th percentile per-packet one-way delay: 2.571 ms

Loss rate: 0.00%

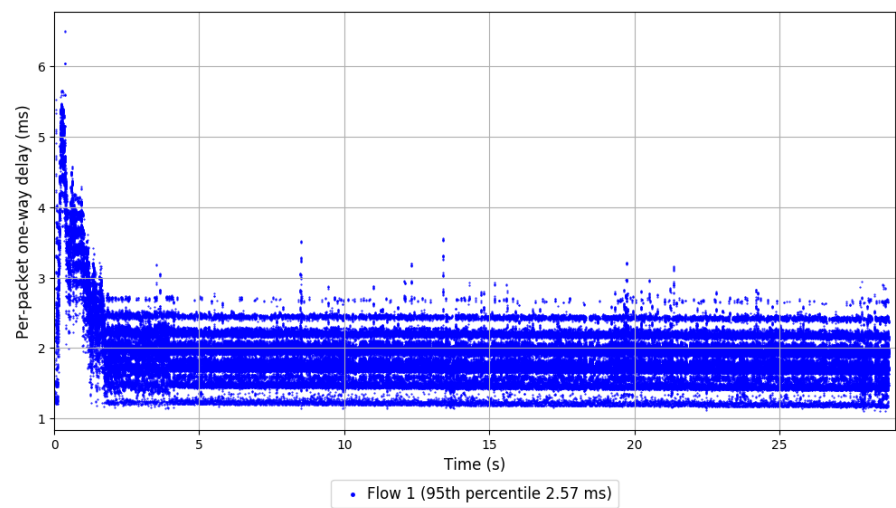
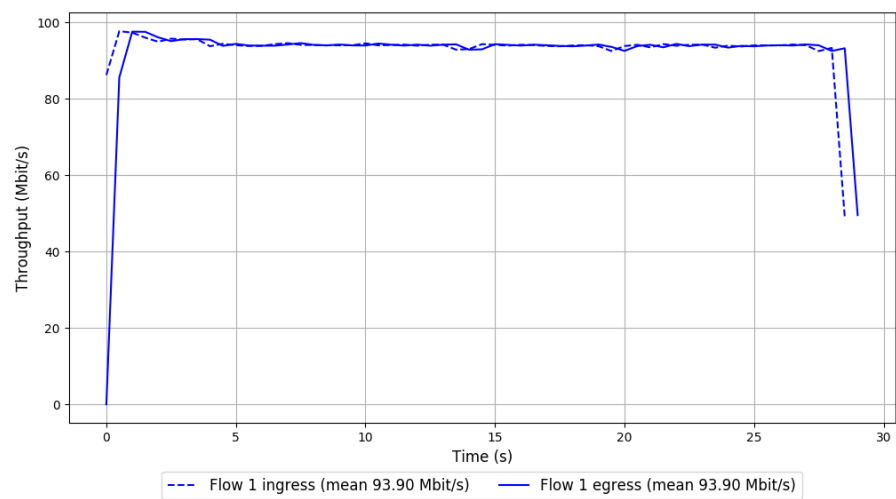
-- Flow 1:

Average throughput: 93.90 Mbit/s

95th percentile per-packet one-way delay: 2.571 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesT — Data Link

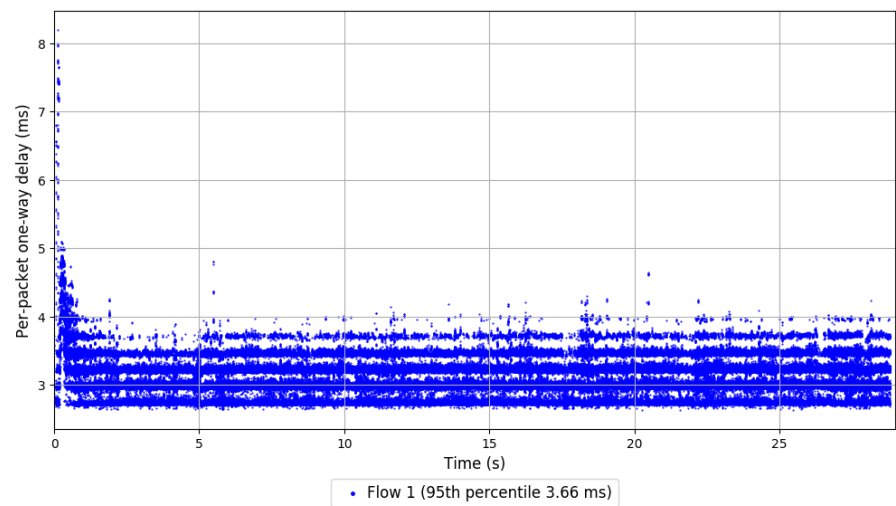
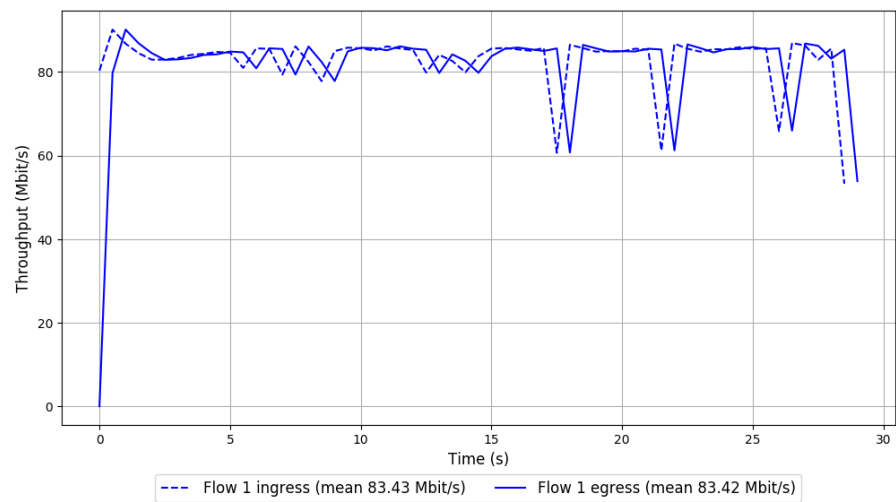


Run 3: Statistics of Indigo-MusesT

Start at: 2019-08-26 18:30:13
End at: 2019-08-26 18:30:43
Local clock offset: -4.075 ms
Remote clock offset: 0.658 ms

Below is generated by plot.py at 2019-08-26 19:57:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.42 Mbit/s
95th percentile per-packet one-way delay: 3.656 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.42 Mbit/s
95th percentile per-packet one-way delay: 3.656 ms
Loss rate: 0.00%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2019-08-26 18:56:55

End at: 2019-08-26 18:57:25

Local clock offset: -6.524 ms

Remote clock offset: 0.263 ms

Below is generated by plot.py at 2019-08-26 19:57:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.95 Mbit/s

95th percentile per-packet one-way delay: 3.220 ms

Loss rate: 0.00%

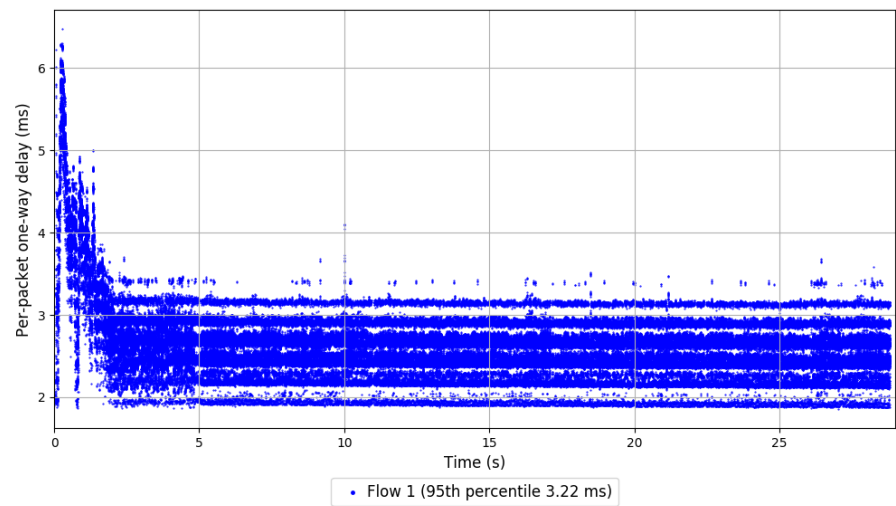
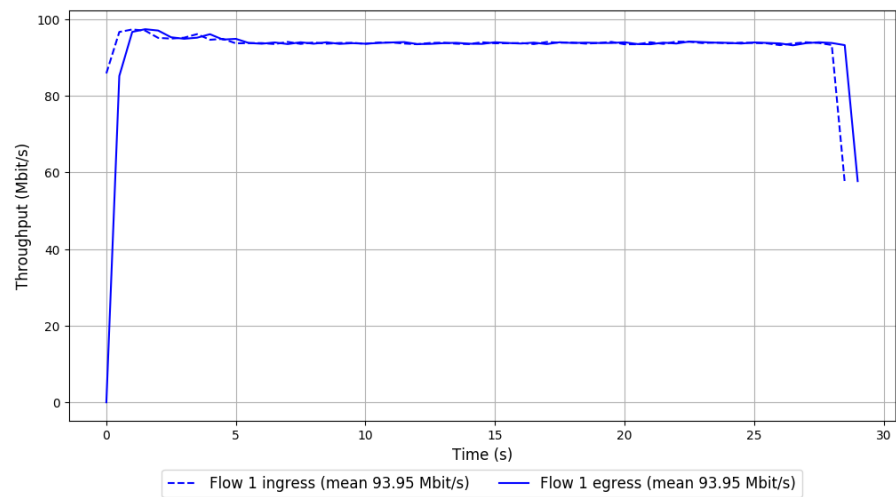
-- Flow 1:

Average throughput: 93.95 Mbit/s

95th percentile per-packet one-way delay: 3.220 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-08-26 19:23:36

End at: 2019-08-26 19:24:06

Local clock offset: -6.6 ms

Remote clock offset: -0.008 ms

Below is generated by plot.py at 2019-08-26 19:57:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.68 Mbit/s

95th percentile per-packet one-way delay: 4.328 ms

Loss rate: 0.00%

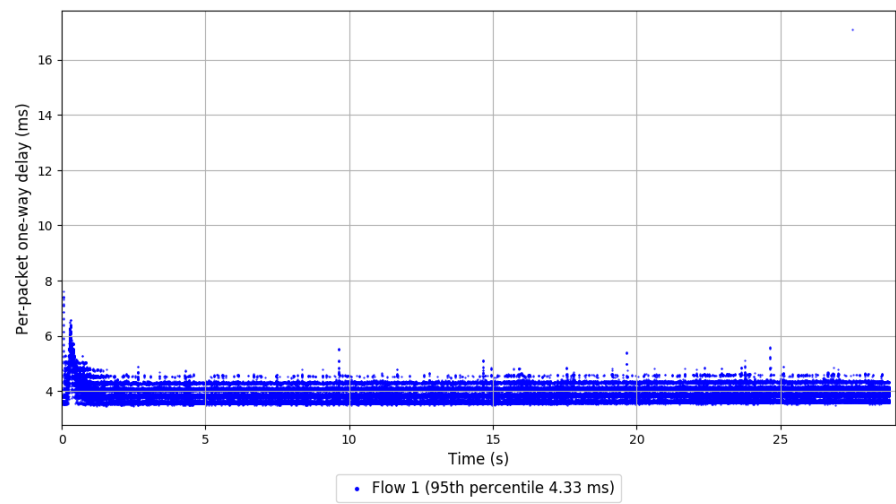
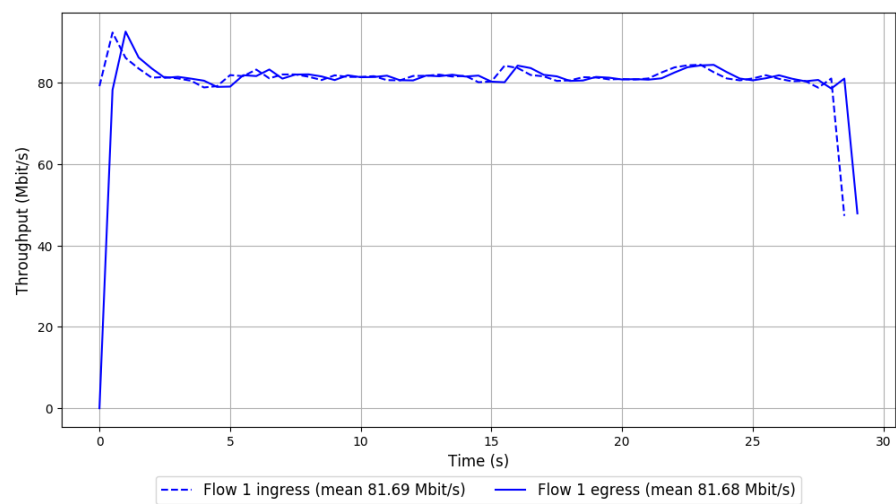
-- Flow 1:

Average throughput: 81.68 Mbit/s

95th percentile per-packet one-way delay: 4.328 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesT — Data Link

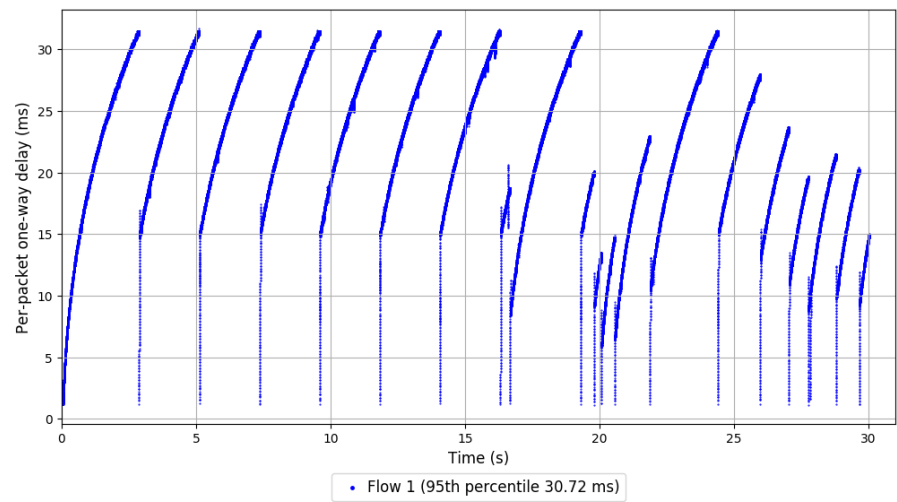
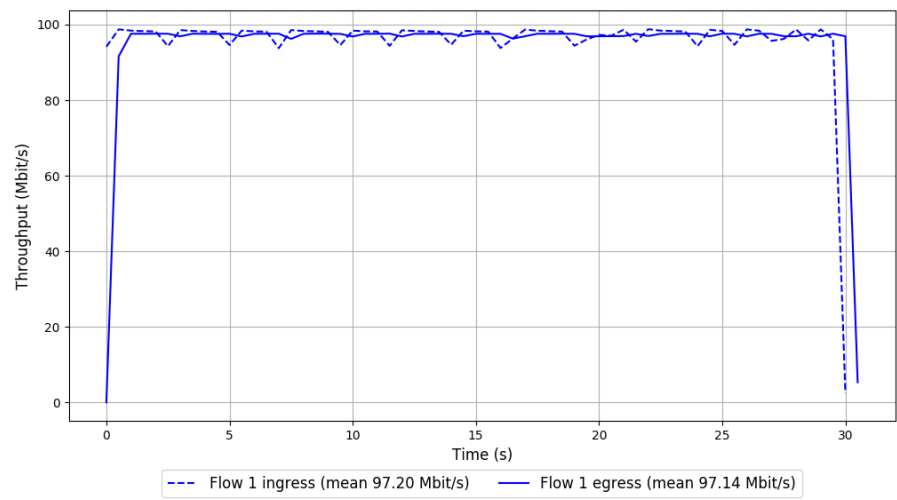


```
Run 1: Statistics of LEDBAT

Start at: 2019-08-26 17:50:04
End at: 2019-08-26 17:50:34
Local clock offset: -3.876 ms
Remote clock offset: 0.768 ms

# Below is generated by plot.py at 2019-08-26 19:58:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 30.719 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 30.719 ms
Loss rate: 0.01%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2019-08-26 18:16:49

End at: 2019-08-26 18:17:19

Local clock offset: -5.745 ms

Remote clock offset: 0.855 ms

Below is generated by plot.py at 2019-08-26 19:58:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.22 Mbit/s

95th percentile per-packet one-way delay: 31.859 ms

Loss rate: 0.01%

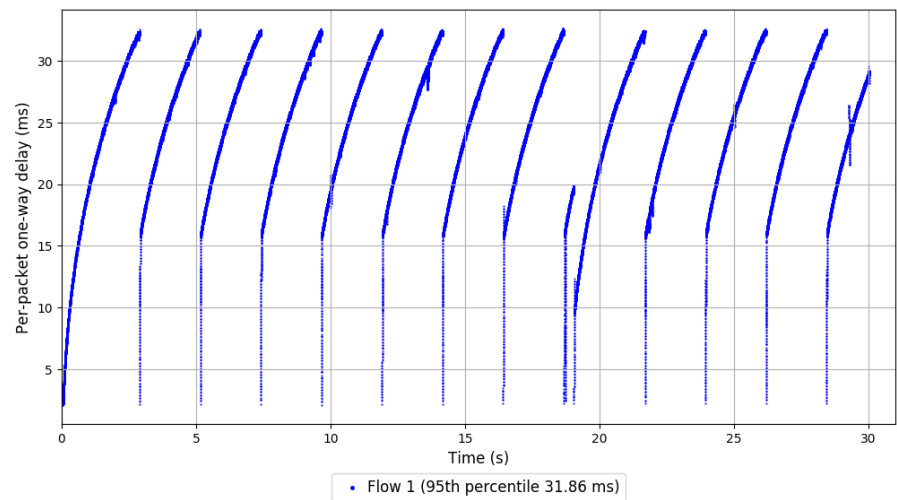
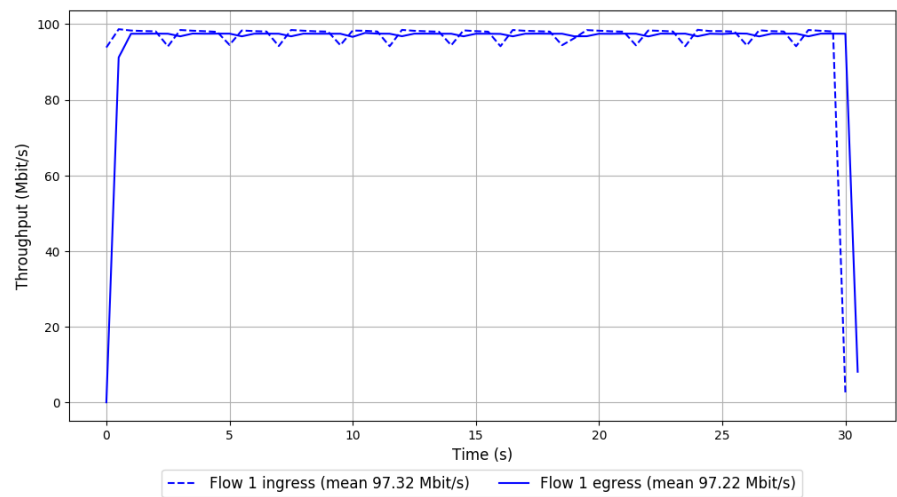
-- Flow 1:

Average throughput: 97.22 Mbit/s

95th percentile per-packet one-way delay: 31.859 ms

Loss rate: 0.01%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2019-08-26 18:43:31

End at: 2019-08-26 18:44:01

Local clock offset: -4.647 ms

Remote clock offset: 0.397 ms

Below is generated by plot.py at 2019-08-26 19:58:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.09 Mbit/s

95th percentile per-packet one-way delay: 32.328 ms

Loss rate: 0.01%

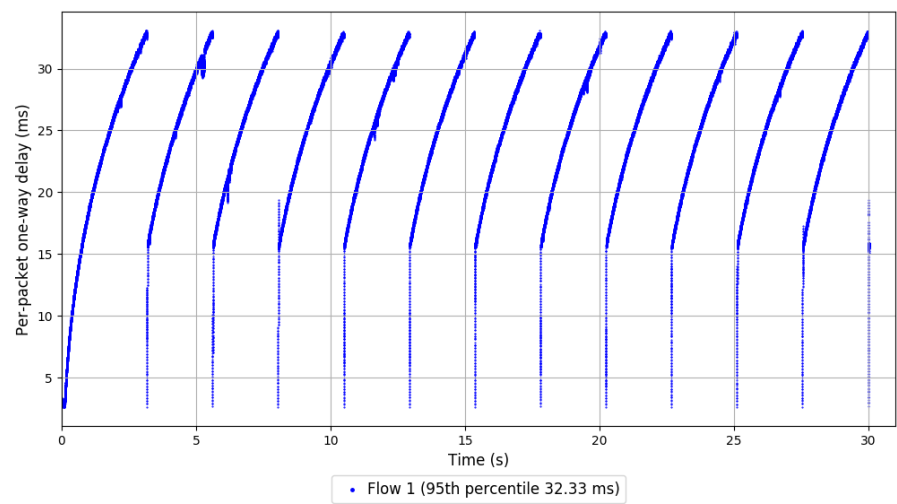
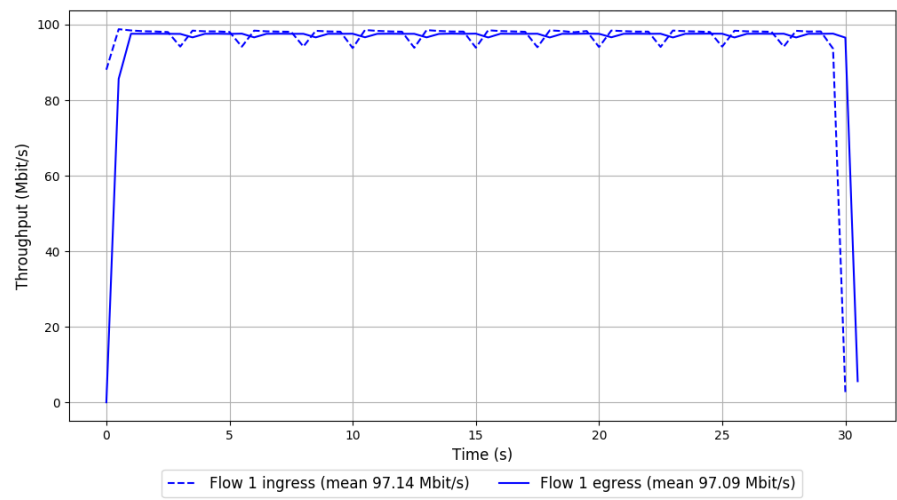
-- Flow 1:

Average throughput: 97.09 Mbit/s

95th percentile per-packet one-way delay: 32.328 ms

Loss rate: 0.01%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2019-08-26 19:10:12

End at: 2019-08-26 19:10:42

Local clock offset: -7.045 ms

Remote clock offset: 0.096 ms

Below is generated by plot.py at 2019-08-26 19:58:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.08 Mbit/s

95th percentile per-packet one-way delay: 33.257 ms

Loss rate: 0.01%

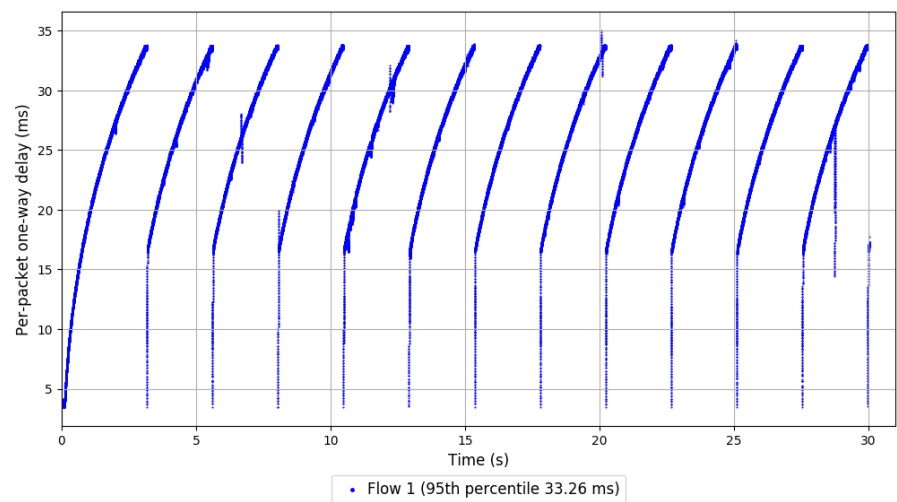
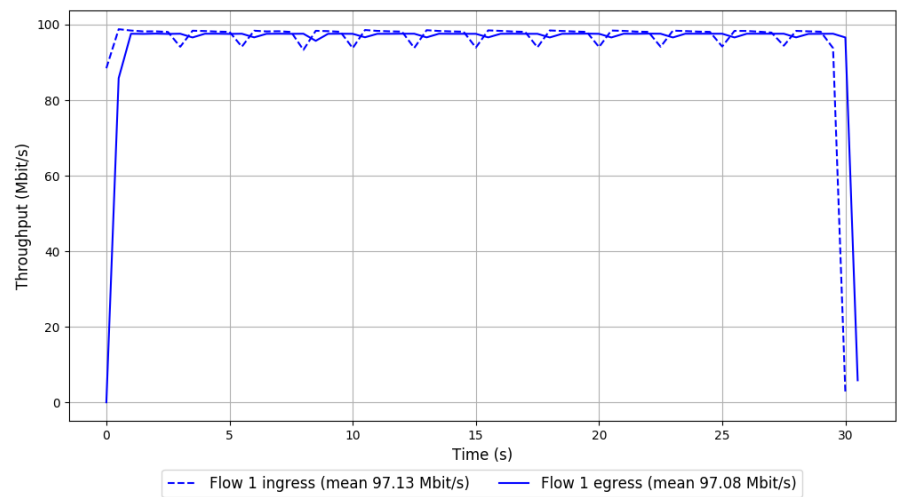
-- Flow 1:

Average throughput: 97.08 Mbit/s

95th percentile per-packet one-way delay: 33.257 ms

Loss rate: 0.01%

Run 4: Report of LEDBAT — Data Link

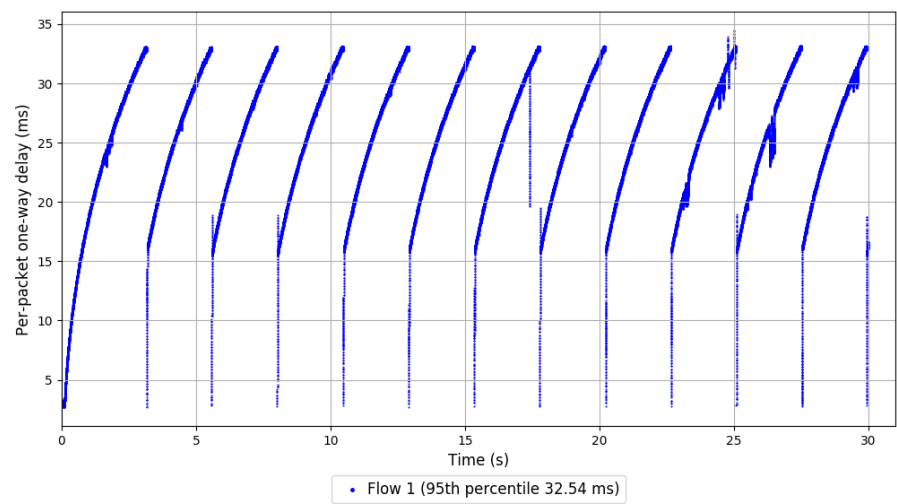
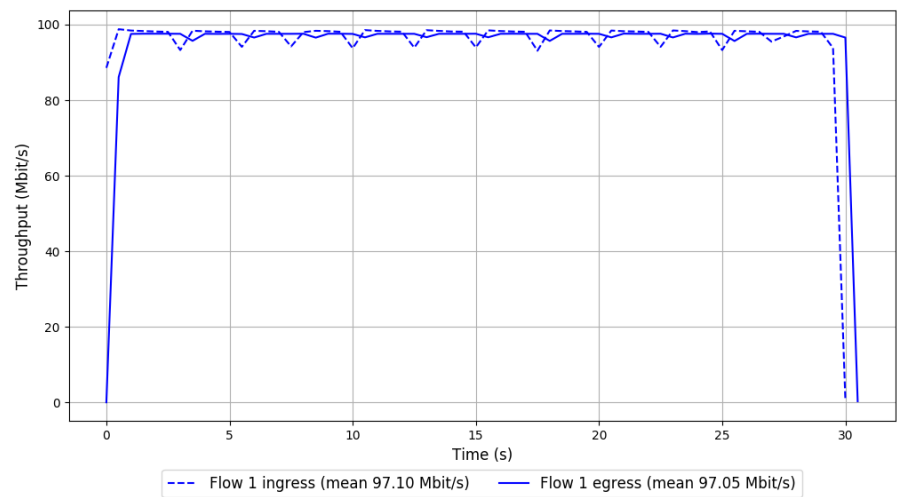


Run 5: Statistics of LEDBAT

Start at: 2019-08-26 19:36:52
End at: 2019-08-26 19:37:22
Local clock offset: -3.933 ms
Remote clock offset: -0.176 ms

Below is generated by plot.py at 2019-08-26 19:58:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.05 Mbit/s
95th percentile per-packet one-way delay: 32.544 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 97.05 Mbit/s
95th percentile per-packet one-way delay: 32.544 ms
Loss rate: 0.07%

Run 5: Report of LEDBAT — Data Link

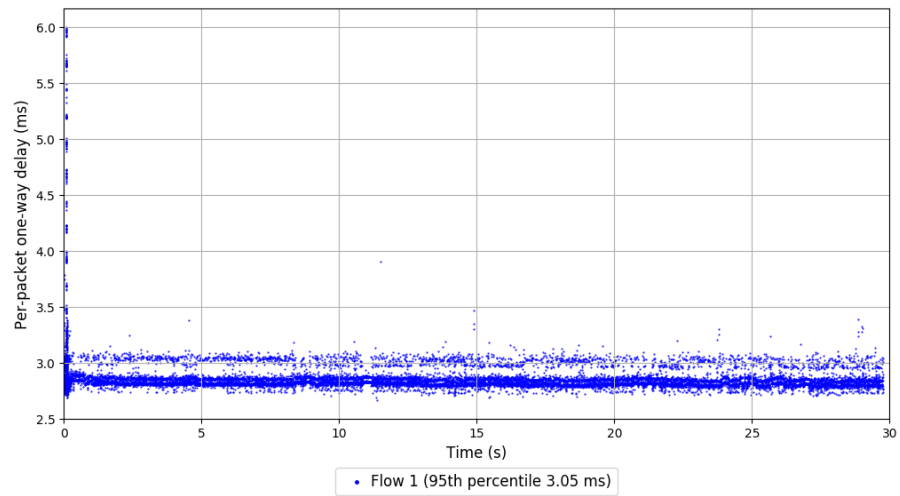
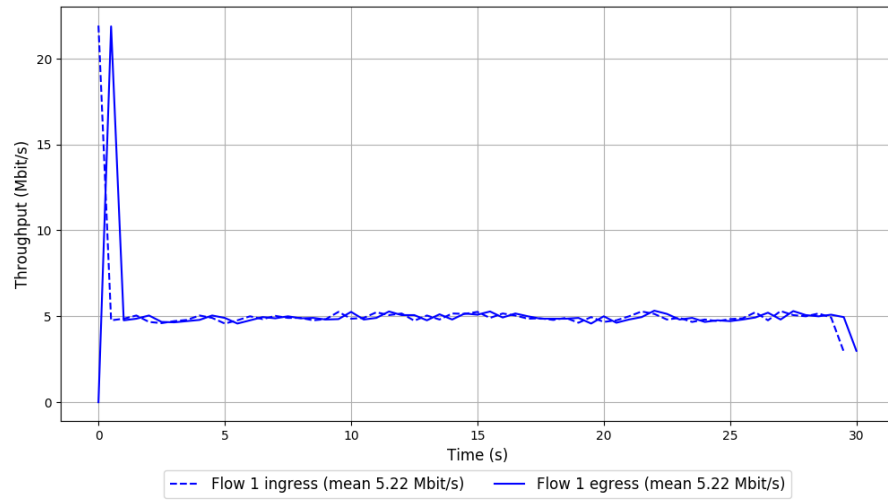


```
Run 1: Statistics of Muses\_DecisionTree

Start at: 2019-08-26 17:59:04
End at: 2019-08-26 17:59:34
Local clock offset: -4.228 ms
Remote clock offset: 0.885 ms

# Below is generated by plot.py at 2019-08-26 19:58:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.22 Mbit/s
95th percentile per-packet one-way delay: 3.051 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.22 Mbit/s
95th percentile per-packet one-way delay: 3.051 ms
Loss rate: 0.00%
```

Run 1: Report of Muses_DecisionTree — Data Link



Run 2: Statistics of Muses_DecisionTree

Start at: 2019-08-26 18:25:49

End at: 2019-08-26 18:26:19

Local clock offset: -4.213 ms

Remote clock offset: 0.699 ms

Below is generated by plot.py at 2019-08-26 19:58:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.19 Mbit/s

95th percentile per-packet one-way delay: 3.090 ms

Loss rate: 0.00%

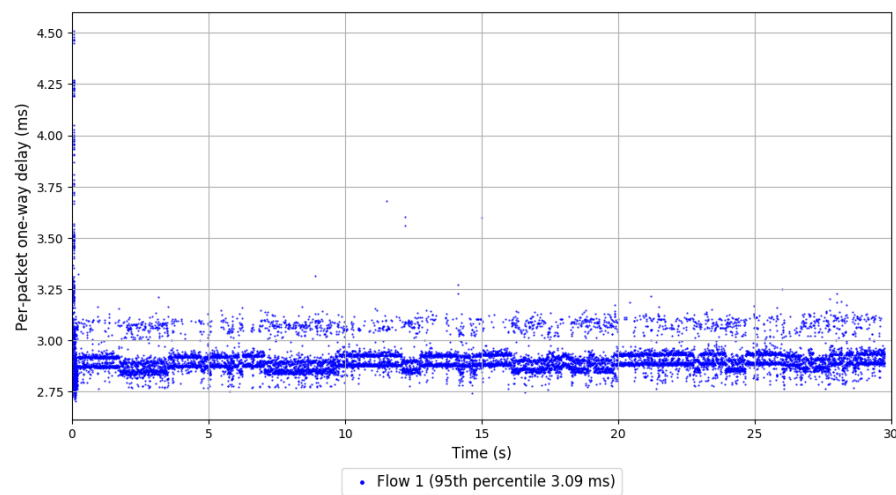
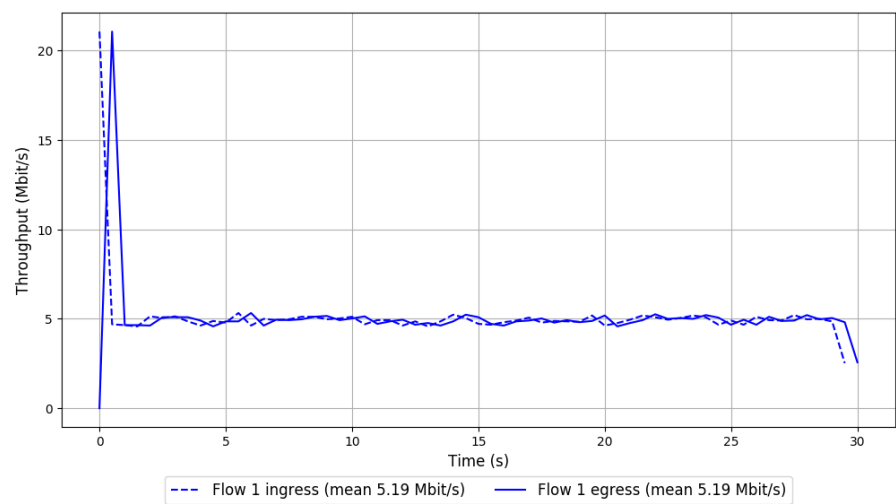
-- Flow 1:

Average throughput: 5.19 Mbit/s

95th percentile per-packet one-way delay: 3.090 ms

Loss rate: 0.00%

Run 2: Report of Muses_DecisionTree — Data Link



Run 3: Statistics of Muses_DecisionTree

Start at: 2019-08-26 18:52:31

End at: 2019-08-26 18:53:01

Local clock offset: -5.311 ms

Remote clock offset: 0.301 ms

Below is generated by plot.py at 2019-08-26 19:58:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.17 Mbit/s

95th percentile per-packet one-way delay: 1.417 ms

Loss rate: 0.00%

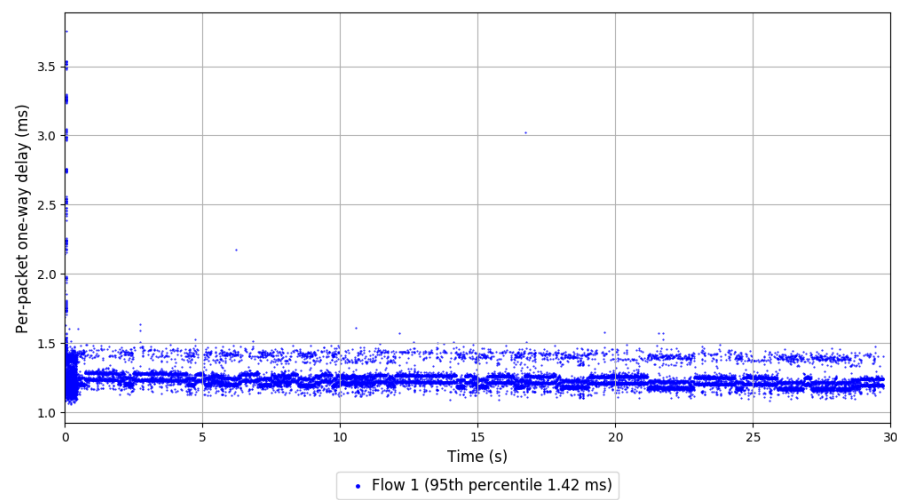
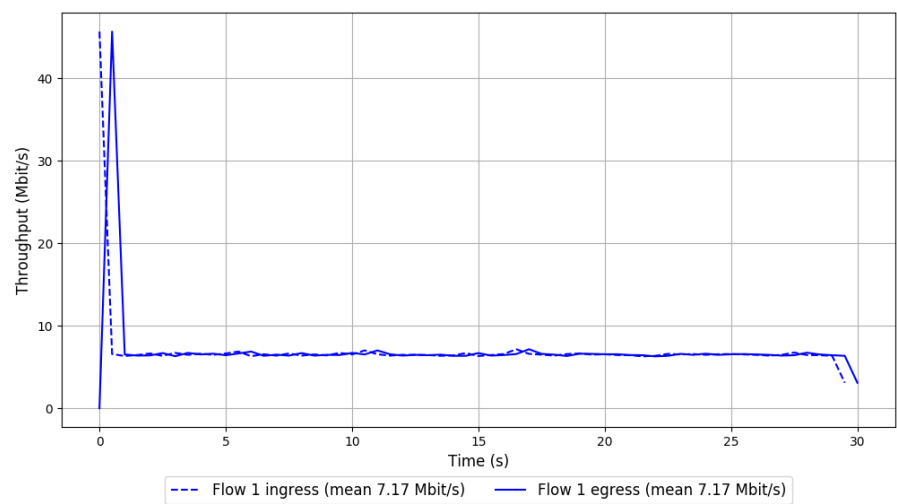
-- Flow 1:

Average throughput: 7.17 Mbit/s

95th percentile per-packet one-way delay: 1.417 ms

Loss rate: 0.00%

Run 3: Report of Muses_DecisionTree — Data Link



Run 4: Statistics of Muses_DecisionTree

Start at: 2019-08-26 19:19:12

End at: 2019-08-26 19:19:42

Local clock offset: -5.967 ms

Remote clock offset: 0.042 ms

Below is generated by plot.py at 2019-08-26 19:58:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.15 Mbit/s

95th percentile per-packet one-way delay: 3.050 ms

Loss rate: 0.00%

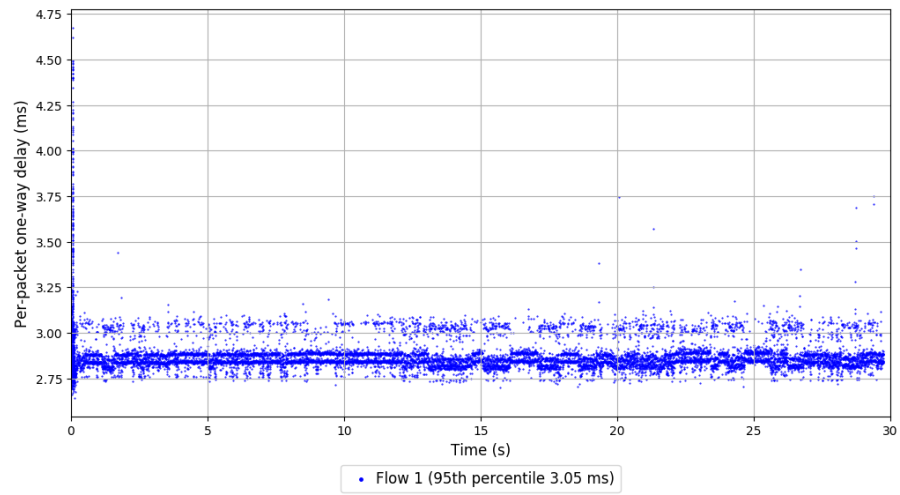
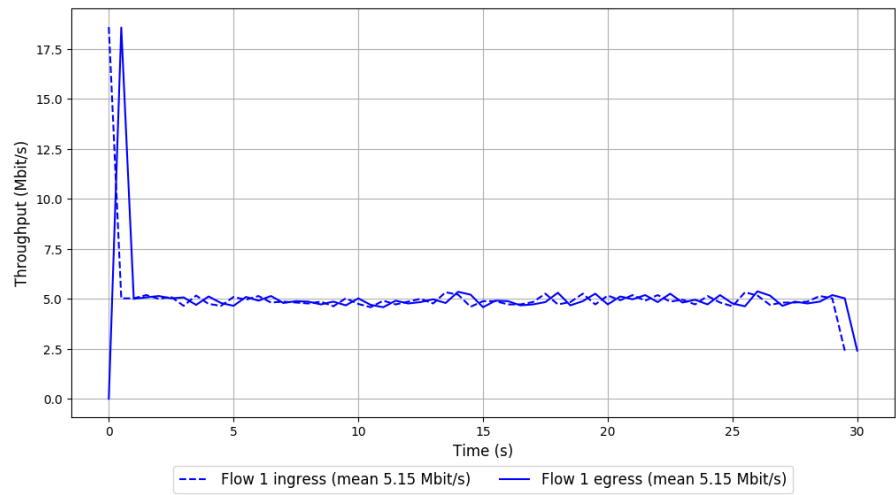
-- Flow 1:

Average throughput: 5.15 Mbit/s

95th percentile per-packet one-way delay: 3.050 ms

Loss rate: 0.00%

Run 4: Report of Muses_DecisionTree — Data Link



Run 5: Statistics of Muses_DecisionTree

Start at: 2019-08-26 19:45:50

End at: 2019-08-26 19:46:20

Local clock offset: -2.665 ms

Remote clock offset: -0.23 ms

Below is generated by plot.py at 2019-08-26 19:58:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.44 Mbit/s

95th percentile per-packet one-way delay: 1.626 ms

Loss rate: 0.00%

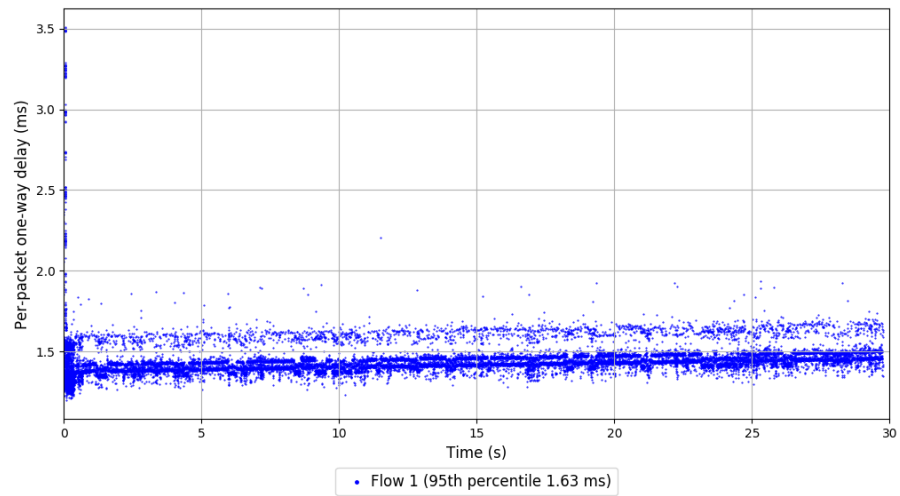
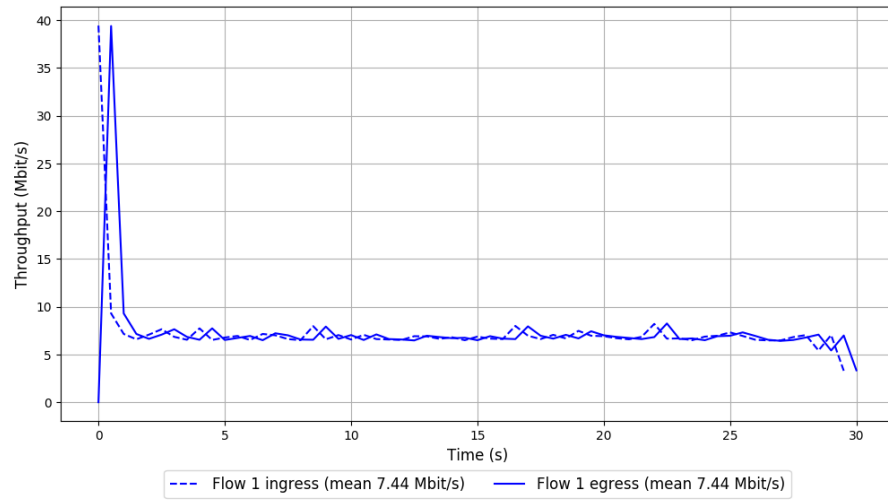
-- Flow 1:

Average throughput: 7.44 Mbit/s

95th percentile per-packet one-way delay: 1.626 ms

Loss rate: 0.00%

Run 5: Report of Muses_DecisionTree — Data Link

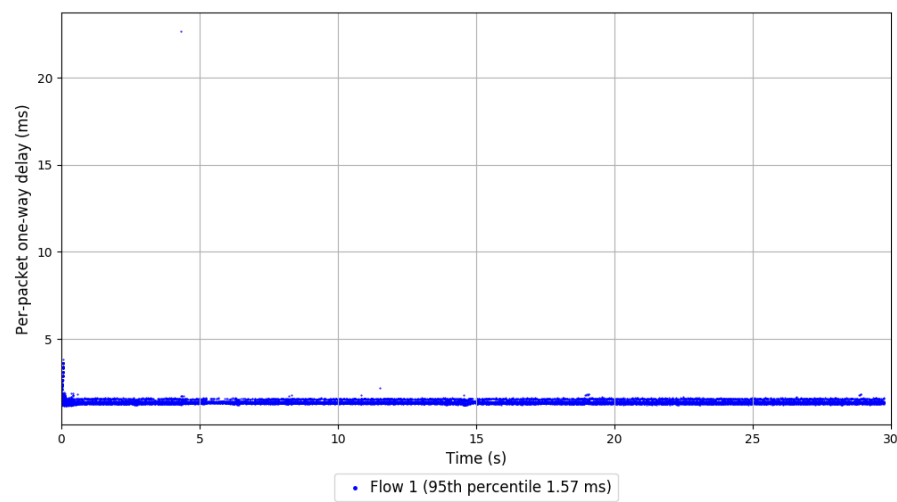
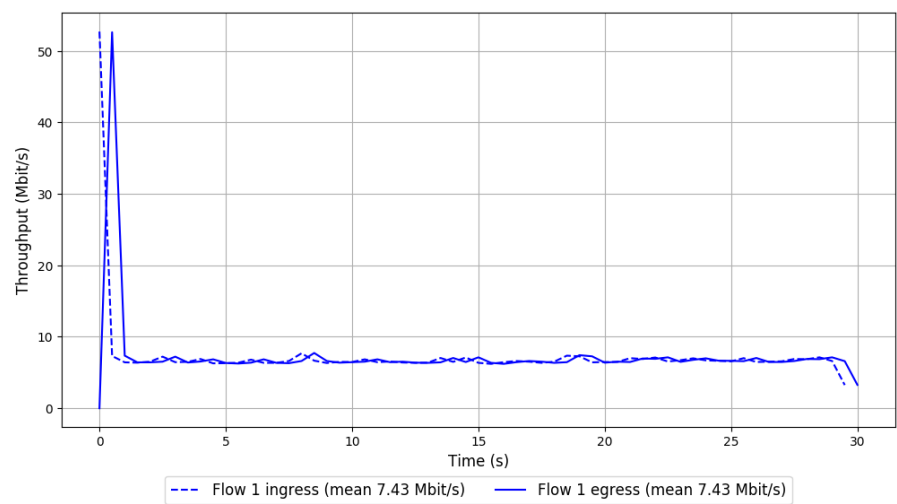



```
Run 1: Statistics of Muses\_DecisionTreeH0

Start at: 2019-08-26 17:48:59
End at: 2019-08-26 17:49:29
Local clock offset: -3.898 ms
Remote clock offset: 0.773 ms

# Below is generated by plot.py at 2019-08-26 19:58:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.43 Mbit/s
95th percentile per-packet one-way delay: 1.568 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.43 Mbit/s
95th percentile per-packet one-way delay: 1.568 ms
Loss rate: 0.00%
```

Run 1: Report of Muses_DecisionTreeH0 — Data Link



Run 2: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-26 18:15:44

End at: 2019-08-26 18:16:14

Local clock offset: -5.871 ms

Remote clock offset: 0.911 ms

Below is generated by plot.py at 2019-08-26 19:58:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.91 Mbit/s

95th percentile per-packet one-way delay: 3.988 ms

Loss rate: 0.00%

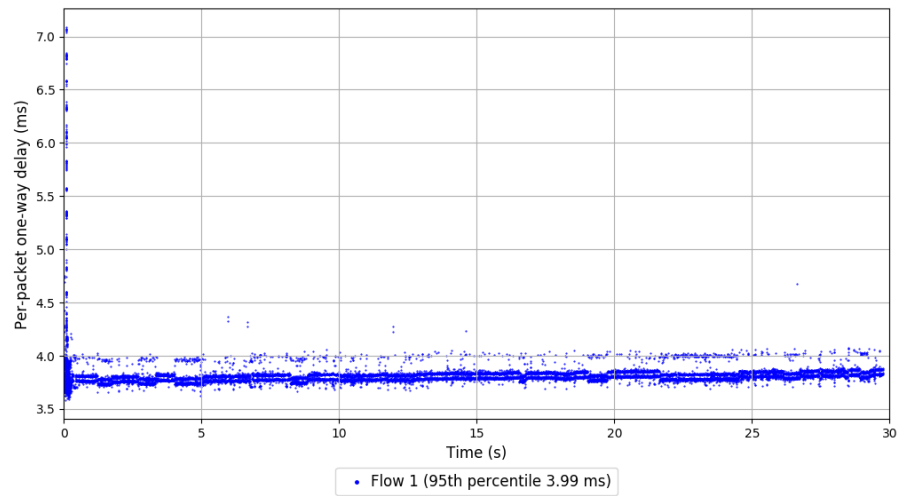
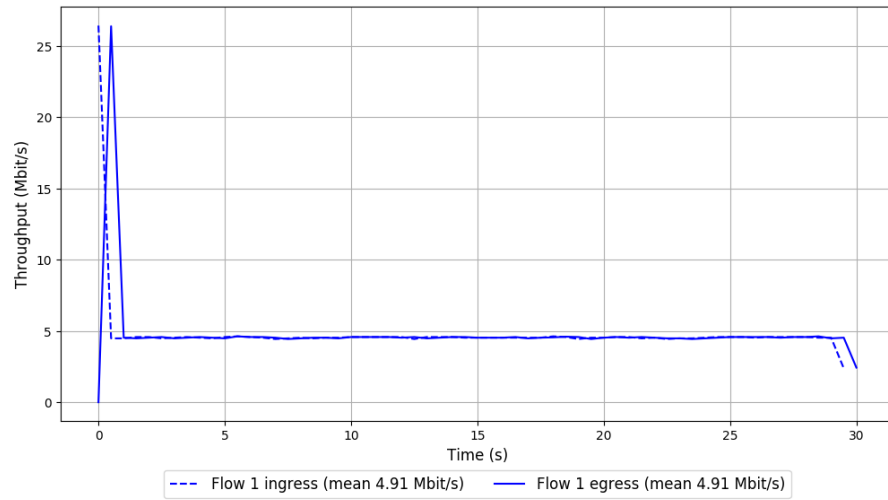
-- Flow 1:

Average throughput: 4.91 Mbit/s

95th percentile per-packet one-way delay: 3.988 ms

Loss rate: 0.00%

Run 2: Report of Muses_DecisionTreeH0 — Data Link



Run 3: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-26 18:42:26

End at: 2019-08-26 18:42:56

Local clock offset: -5.287 ms

Remote clock offset: 0.532 ms

Below is generated by plot.py at 2019-08-26 19:58:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.82 Mbit/s

95th percentile per-packet one-way delay: 3.773 ms

Loss rate: 0.00%

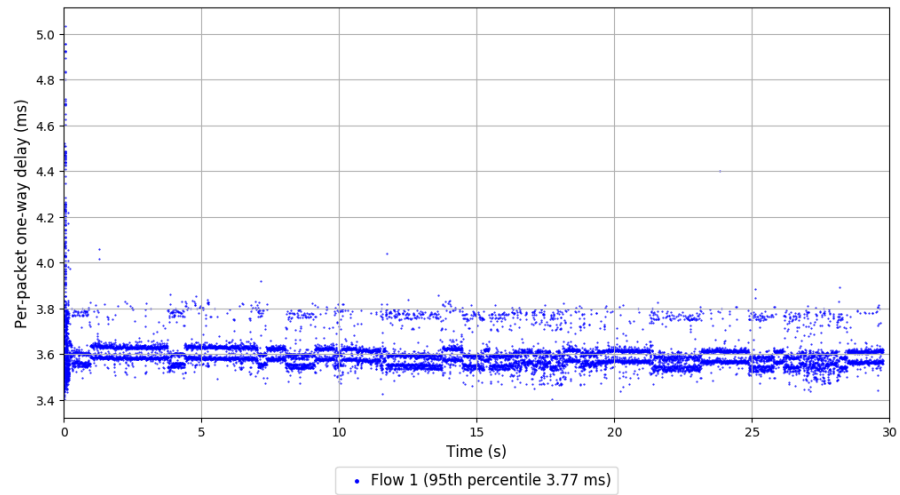
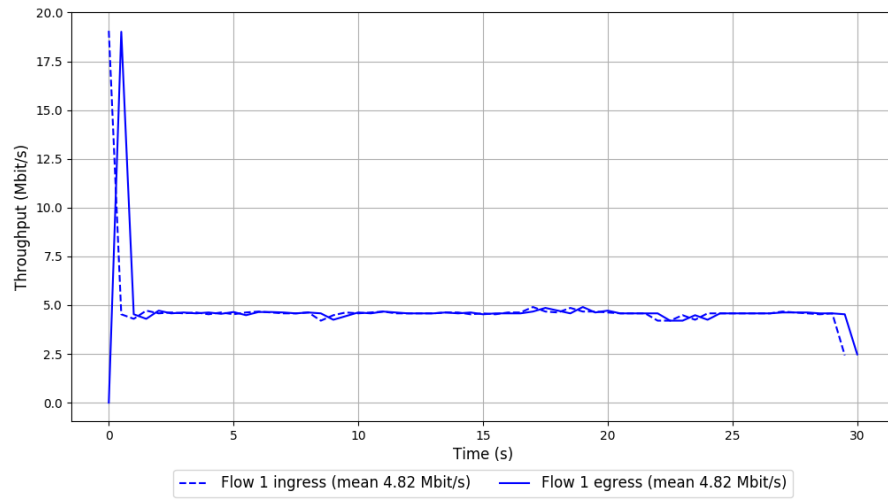
-- Flow 1:

Average throughput: 4.82 Mbit/s

95th percentile per-packet one-way delay: 3.773 ms

Loss rate: 0.00%

Run 3: Report of Muses_DecisionTreeH0 — Data Link



Run 4: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-26 19:09:07

End at: 2019-08-26 19:09:37

Local clock offset: -7.147 ms

Remote clock offset: 0.117 ms

Below is generated by plot.py at 2019-08-26 19:58:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.26 Mbit/s

95th percentile per-packet one-way delay: 2.386 ms

Loss rate: 0.00%

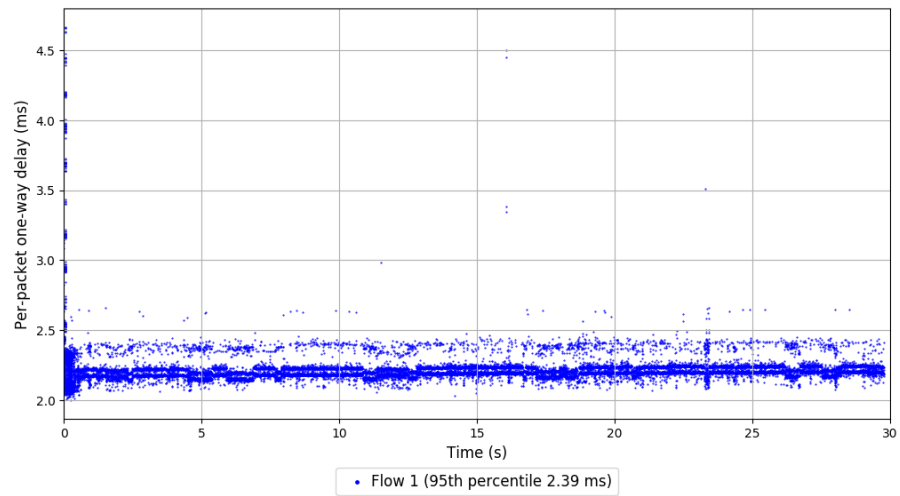
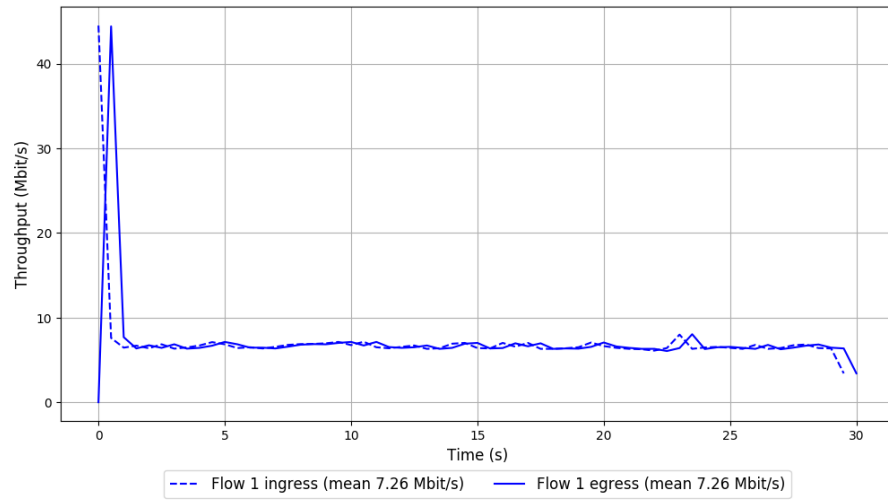
-- Flow 1:

Average throughput: 7.26 Mbit/s

95th percentile per-packet one-way delay: 2.386 ms

Loss rate: 0.00%

Run 4: Report of Muses_DecisionTreeH0 — Data Link

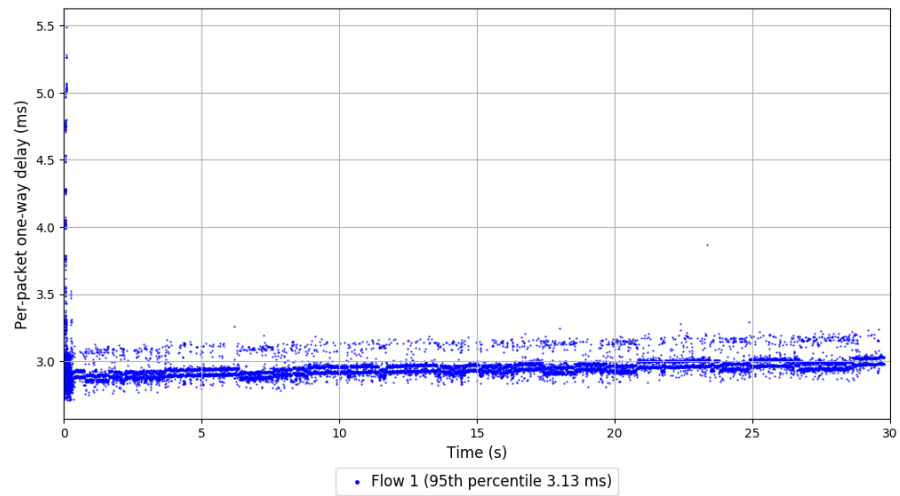
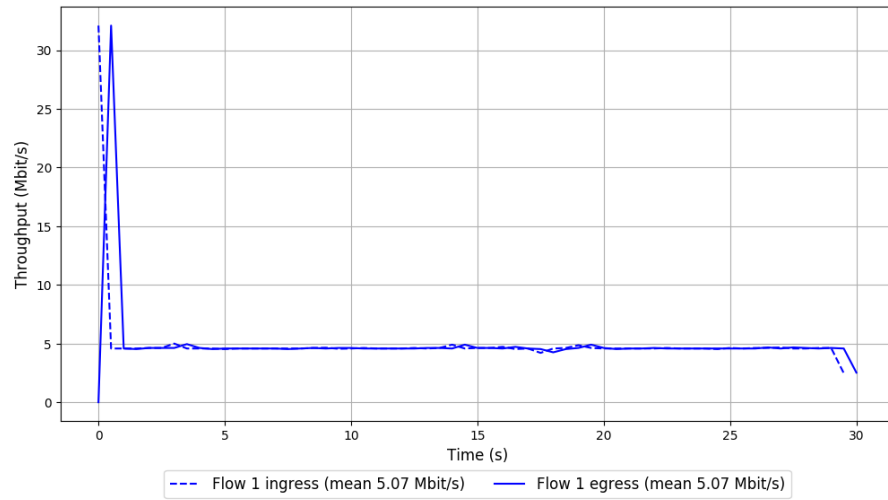


Run 5: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-26 19:35:48
End at: 2019-08-26 19:36:18
Local clock offset: -4.146 ms
Remote clock offset: -0.136 ms

Below is generated by plot.py at 2019-08-26 19:58:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.07 Mbit/s
95th percentile per-packet one-way delay: 3.133 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.07 Mbit/s
95th percentile per-packet one-way delay: 3.133 ms
Loss rate: 0.00%

Run 5: Report of Muses_DecisionTreeH0 — Data Link

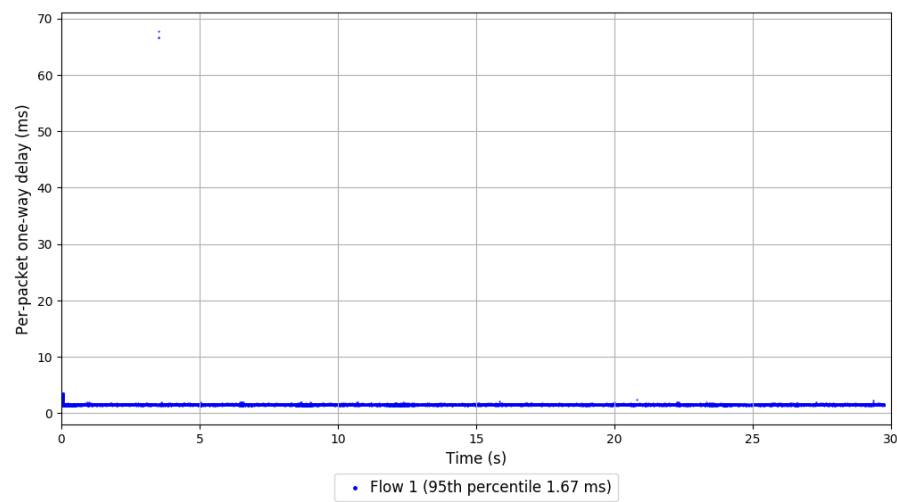
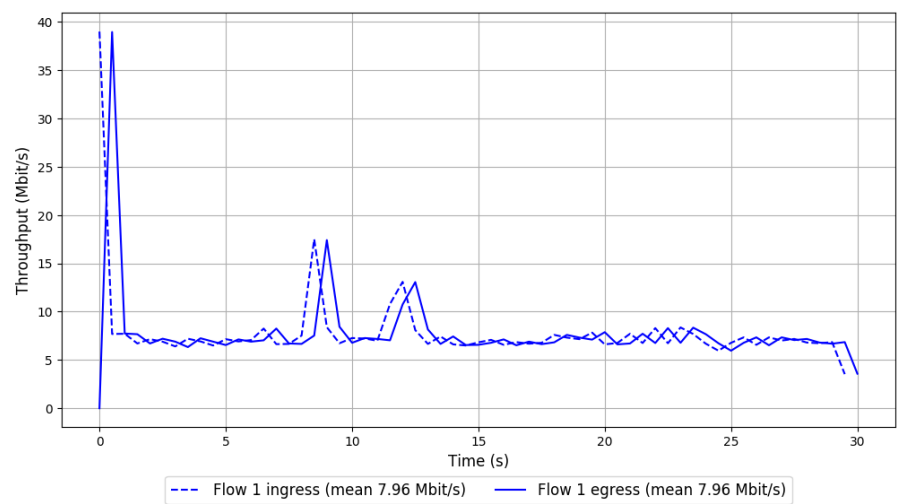


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-08-26 17:52:22
End at: 2019-08-26 17:52:52
Local clock offset: -3.987 ms
Remote clock offset: 0.837 ms

# Below is generated by plot.py at 2019-08-26 19:58:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.96 Mbit/s
95th percentile per-packet one-way delay: 1.673 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.96 Mbit/s
95th percentile per-packet one-way delay: 1.673 ms
Loss rate: 0.00%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link



Run 2: Statistics of Muses_DecisionTreeR0

Start at: 2019-08-26 18:19:07

End at: 2019-08-26 18:19:37

Local clock offset: -5.427 ms

Remote clock offset: 0.805 ms

Below is generated by plot.py at 2019-08-26 19:58:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.35 Mbit/s

95th percentile per-packet one-way delay: 2.426 ms

Loss rate: 0.00%

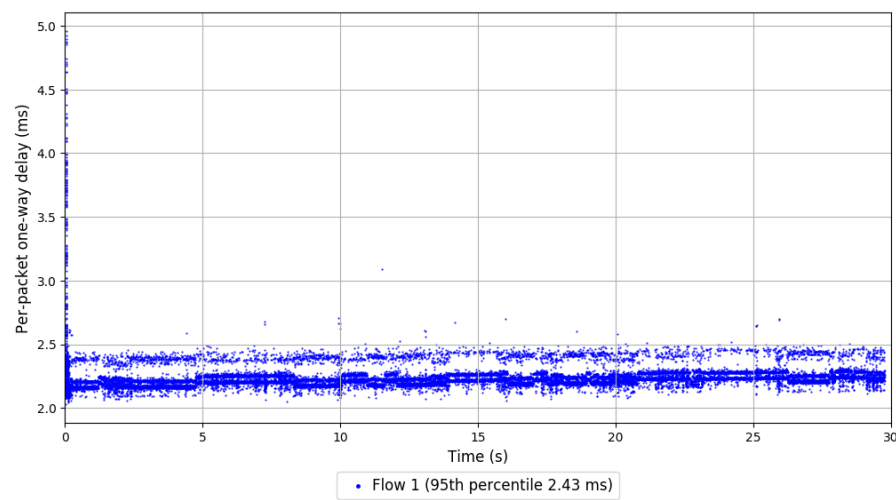
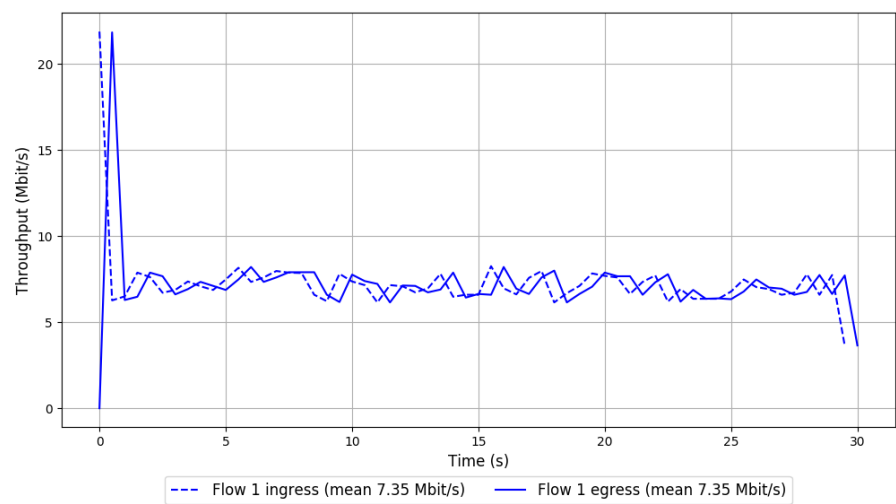
-- Flow 1:

Average throughput: 7.35 Mbit/s

95th percentile per-packet one-way delay: 2.426 ms

Loss rate: 0.00%

Run 2: Report of Muses_DecisionTreeR0 — Data Link



Run 3: Statistics of Muses_DecisionTreeR0

Start at: 2019-08-26 18:45:48

End at: 2019-08-26 18:46:18

Local clock offset: -5.527 ms

Remote clock offset: 0.452 ms

Below is generated by plot.py at 2019-08-26 19:58:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.54 Mbit/s

95th percentile per-packet one-way delay: 3.764 ms

Loss rate: 0.00%

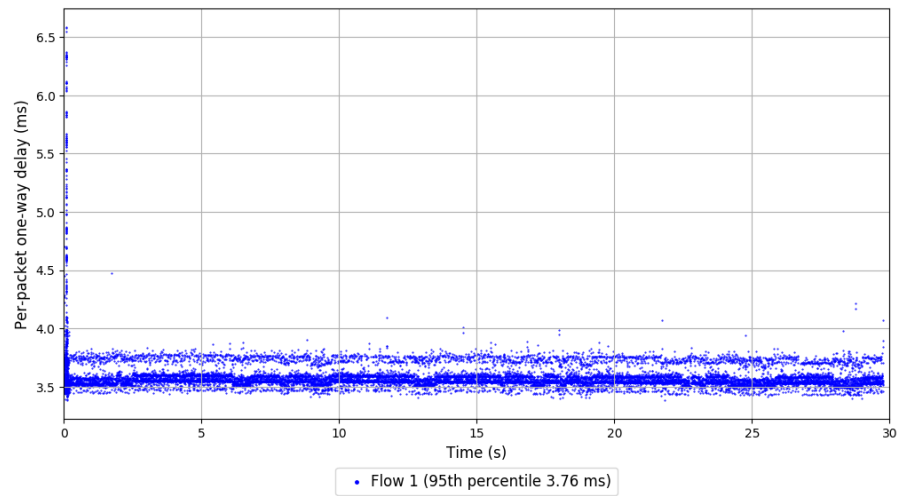
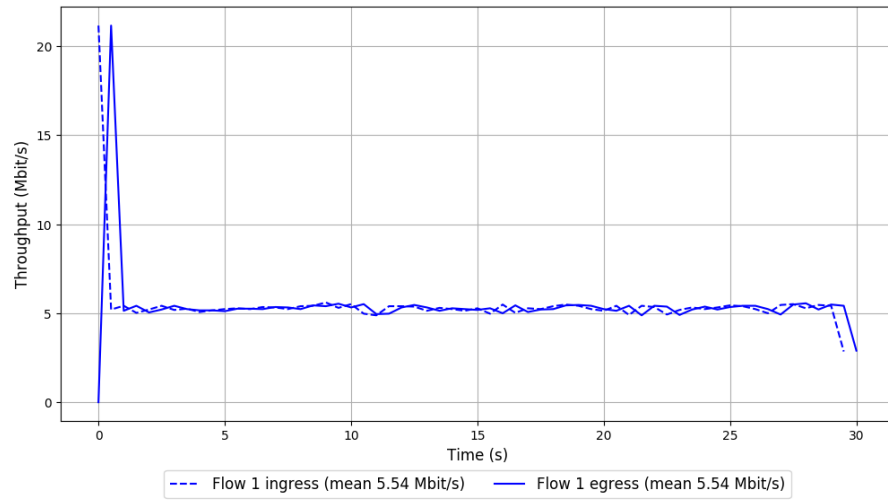
-- Flow 1:

Average throughput: 5.54 Mbit/s

95th percentile per-packet one-way delay: 3.764 ms

Loss rate: 0.00%

Run 3: Report of Muses_DecisionTreeR0 — Data Link



Run 4: Statistics of Muses_DecisionTreeR0

Start at: 2019-08-26 19:12:30

End at: 2019-08-26 19:13:00

Local clock offset: -6.169 ms

Remote clock offset: 0.124 ms

Below is generated by plot.py at 2019-08-26 19:58:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.55 Mbit/s

95th percentile per-packet one-way delay: 1.612 ms

Loss rate: 0.00%

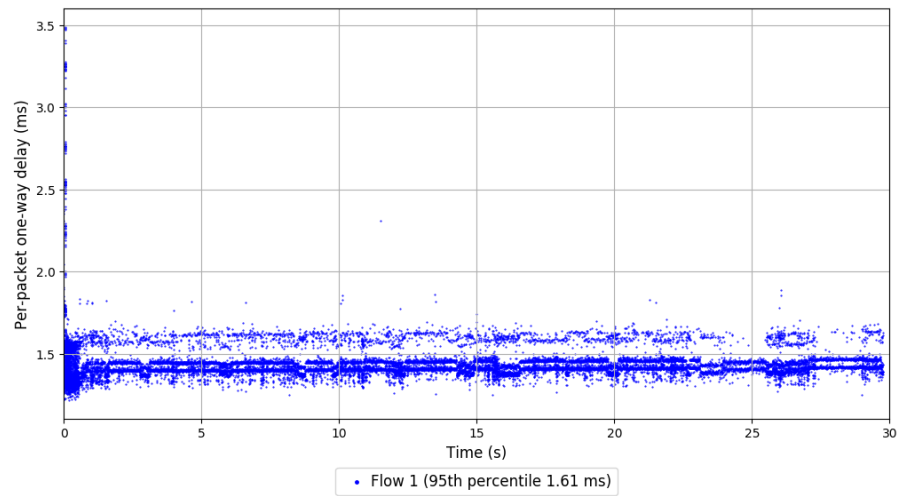
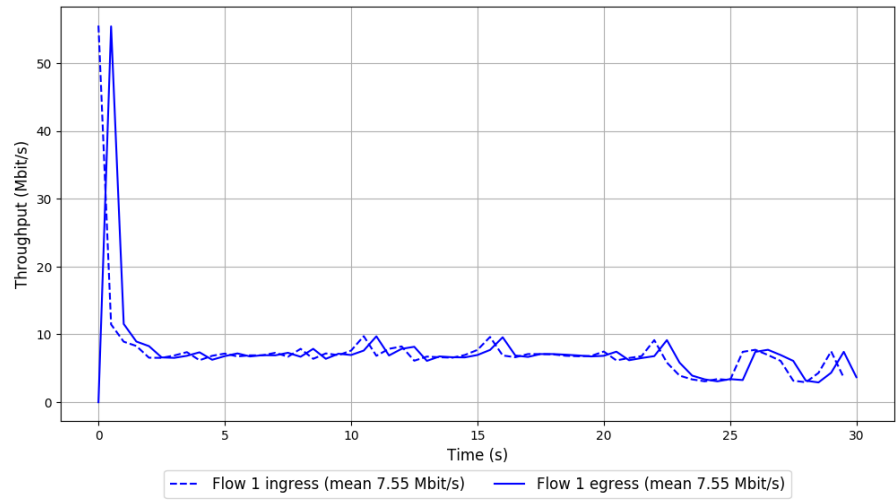
-- Flow 1:

Average throughput: 7.55 Mbit/s

95th percentile per-packet one-way delay: 1.612 ms

Loss rate: 0.00%

Run 4: Report of Muses_DecisionTreeR0 — Data Link

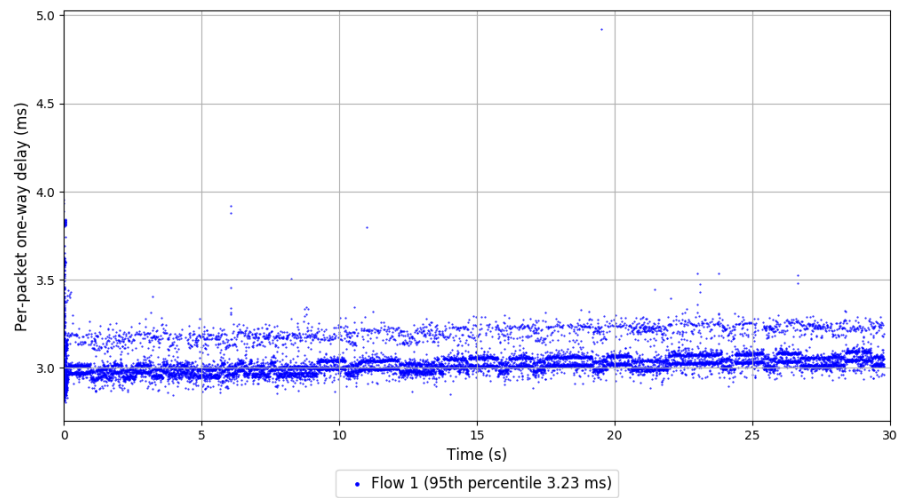
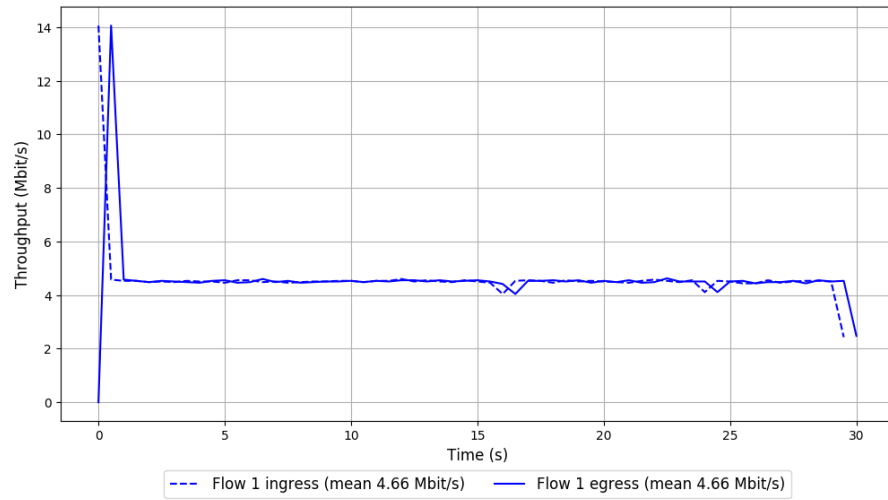


Run 5: Statistics of Muses_DecisionTreeR0

Start at: 2019-08-26 19:39:09
End at: 2019-08-26 19:39:39
Local clock offset: -3.579 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2019-08-26 19:58:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.66 Mbit/s
95th percentile per-packet one-way delay: 3.232 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.66 Mbit/s
95th percentile per-packet one-way delay: 3.232 ms
Loss rate: 0.00%

Run 5: Report of Muses_DecisionTreeR0 — Data Link

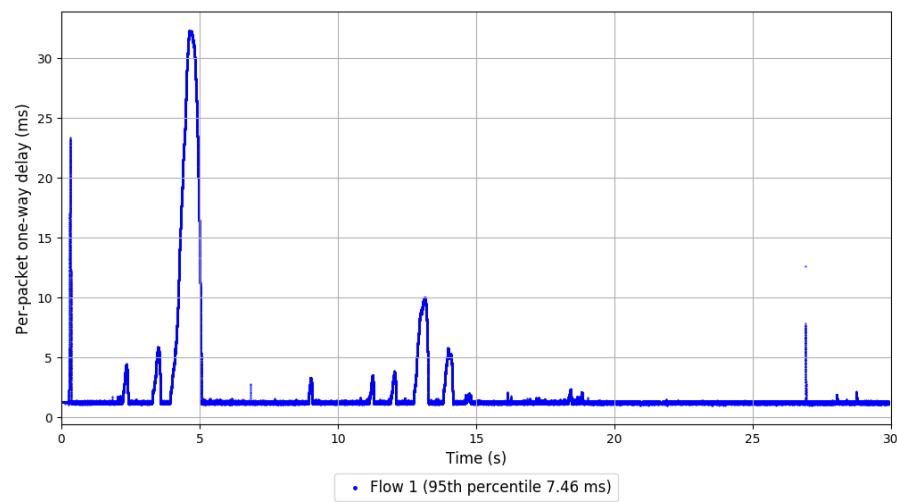
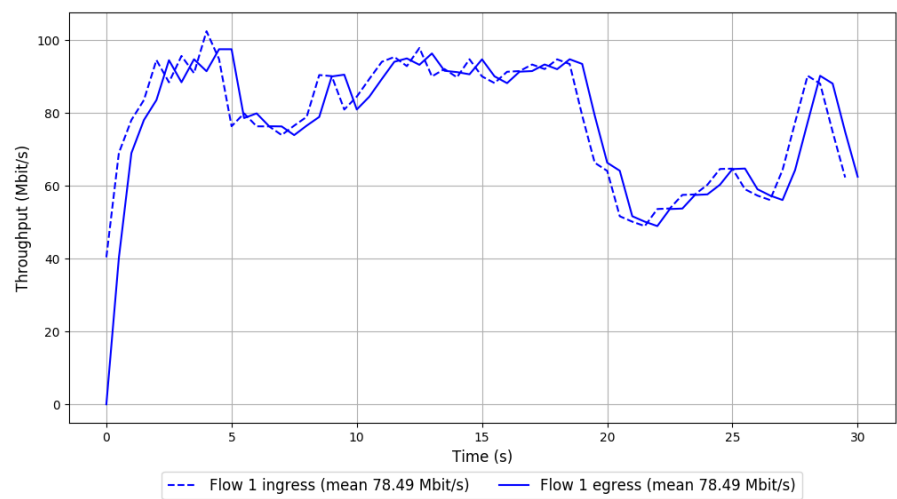


```
Run 1: Statistics of PCC-Allegro

Start at: 2019-08-26 17:54:35
End at: 2019-08-26 17:55:05
Local clock offset: -4.037 ms
Remote clock offset: 0.696 ms

# Below is generated by plot.py at 2019-08-26 19:59:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.49 Mbit/s
95th percentile per-packet one-way delay: 7.462 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 78.49 Mbit/s
95th percentile per-packet one-way delay: 7.462 ms
Loss rate: 0.01%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-08-26 18:21:20

End at: 2019-08-26 18:21:50

Local clock offset: -5.229 ms

Remote clock offset: 0.773 ms

Below is generated by plot.py at 2019-08-26 19:59:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.81 Mbit/s

95th percentile per-packet one-way delay: 4.619 ms

Loss rate: 0.00%

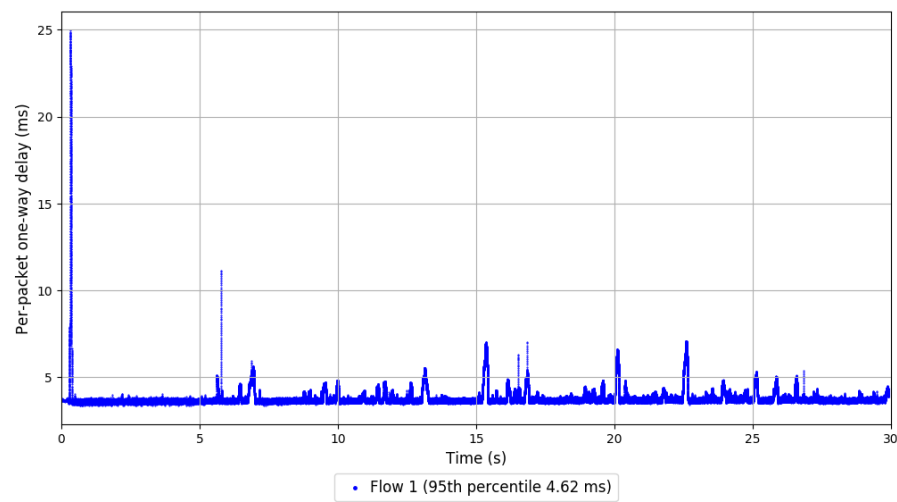
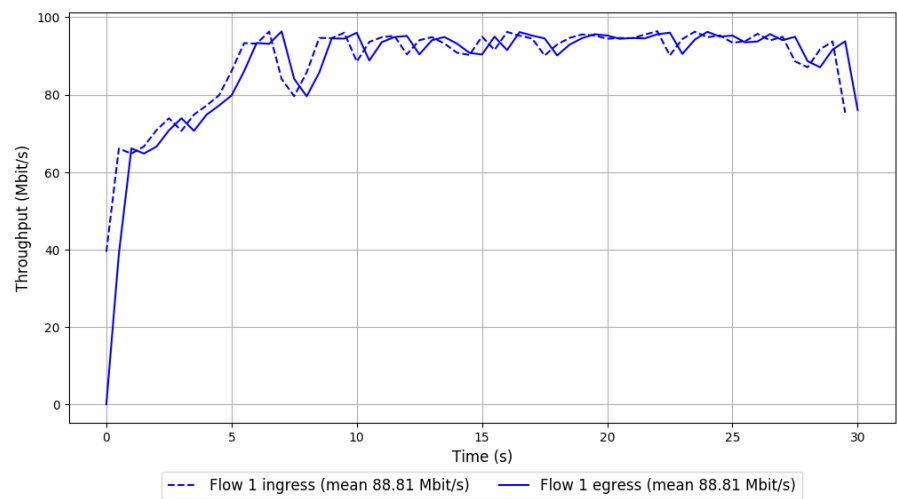
-- Flow 1:

Average throughput: 88.81 Mbit/s

95th percentile per-packet one-way delay: 4.619 ms

Loss rate: 0.00%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-08-26 18:48:02

End at: 2019-08-26 18:48:32

Local clock offset: -5.686 ms

Remote clock offset: 0.45 ms

Below is generated by plot.py at 2019-08-26 19:59:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.56 Mbit/s

95th percentile per-packet one-way delay: 4.085 ms

Loss rate: 0.00%

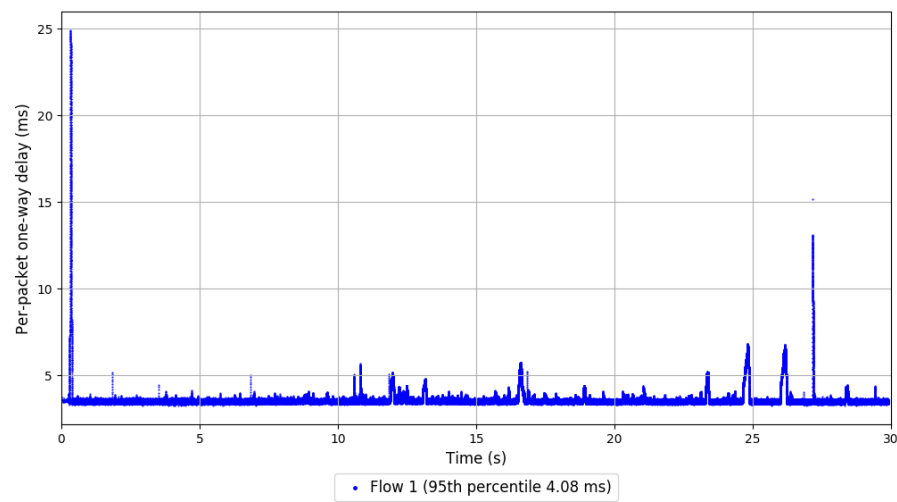
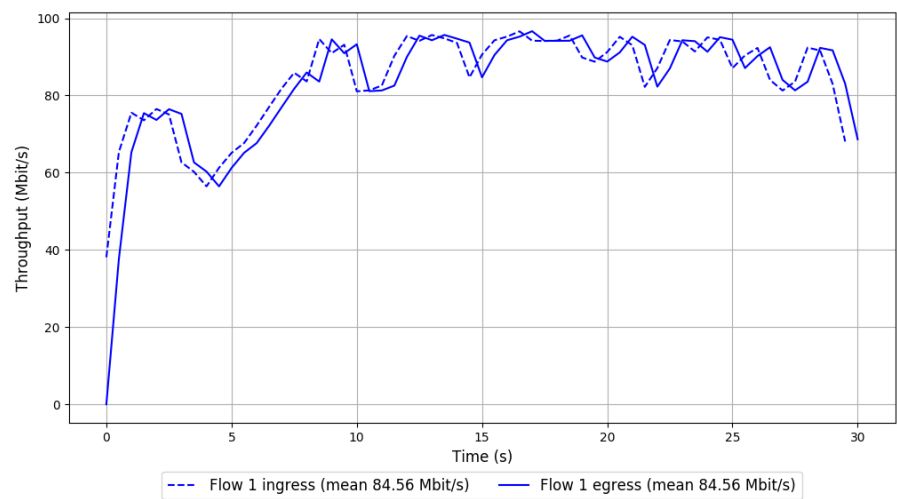
-- Flow 1:

Average throughput: 84.56 Mbit/s

95th percentile per-packet one-way delay: 4.085 ms

Loss rate: 0.00%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-08-26 19:14:43

End at: 2019-08-26 19:15:13

Local clock offset: -6.155 ms

Remote clock offset: -0.009 ms

Below is generated by plot.py at 2019-08-26 19:59:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.20 Mbit/s

95th percentile per-packet one-way delay: 4.092 ms

Loss rate: 0.00%

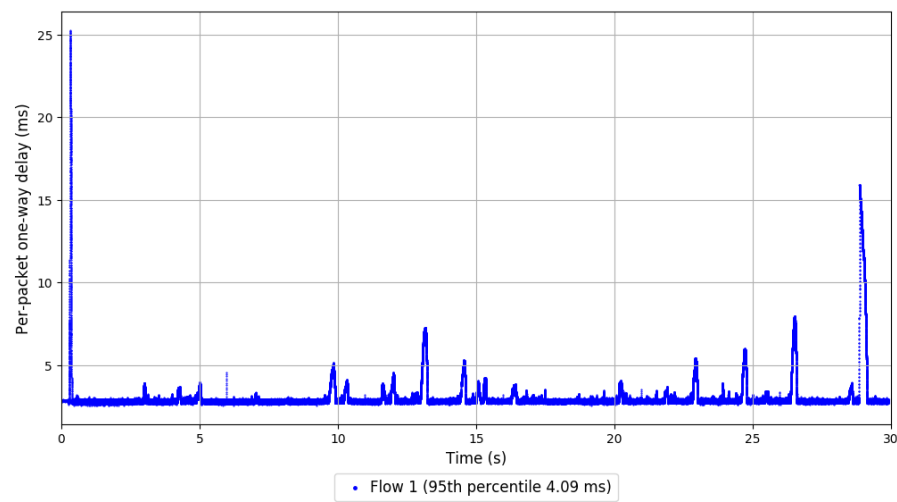
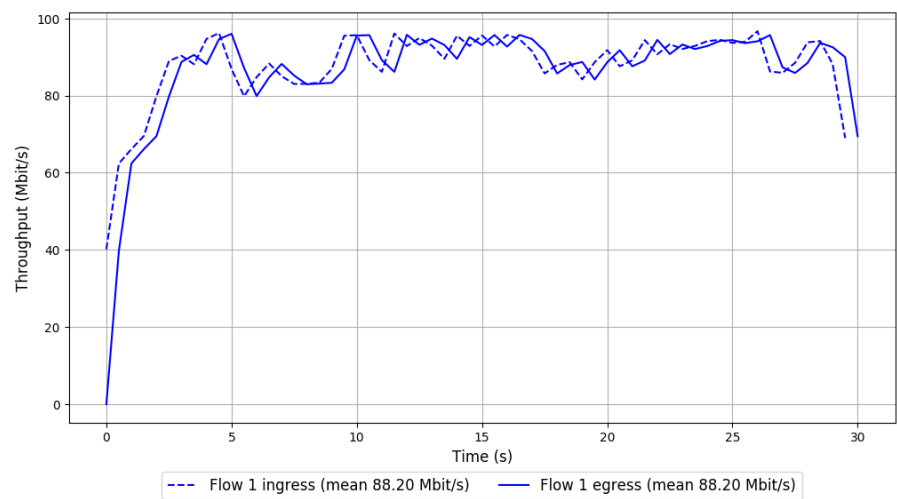
-- Flow 1:

Average throughput: 88.20 Mbit/s

95th percentile per-packet one-way delay: 4.092 ms

Loss rate: 0.00%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-08-26 19:41:22

End at: 2019-08-26 19:41:52

Local clock offset: -3.23 ms

Remote clock offset: -0.119 ms

Below is generated by plot.py at 2019-08-26 19:59:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.14 Mbit/s

95th percentile per-packet one-way delay: 1.820 ms

Loss rate: 0.00%

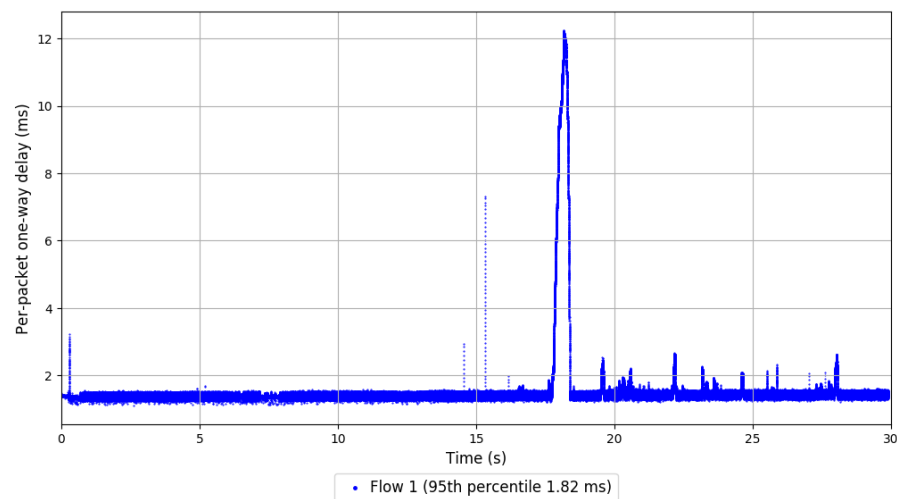
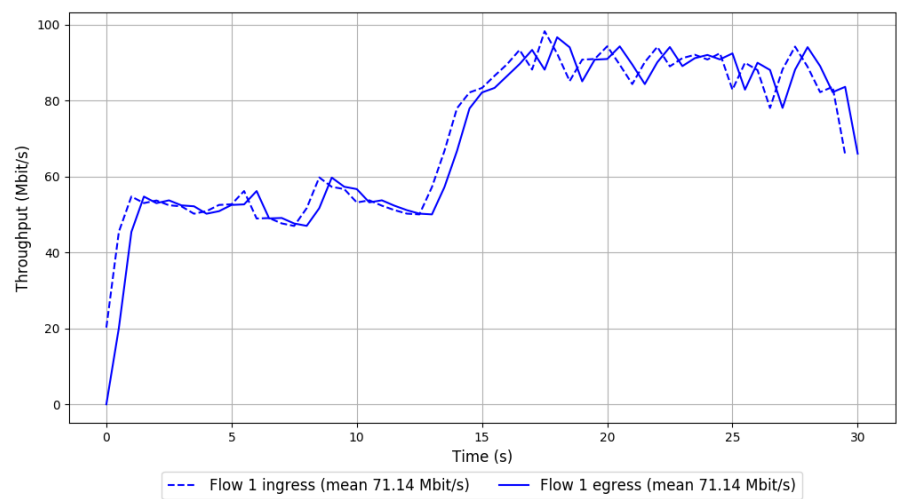
-- Flow 1:

Average throughput: 71.14 Mbit/s

95th percentile per-packet one-way delay: 1.820 ms

Loss rate: 0.00%

Run 5: Report of PCC-Allegro — Data Link

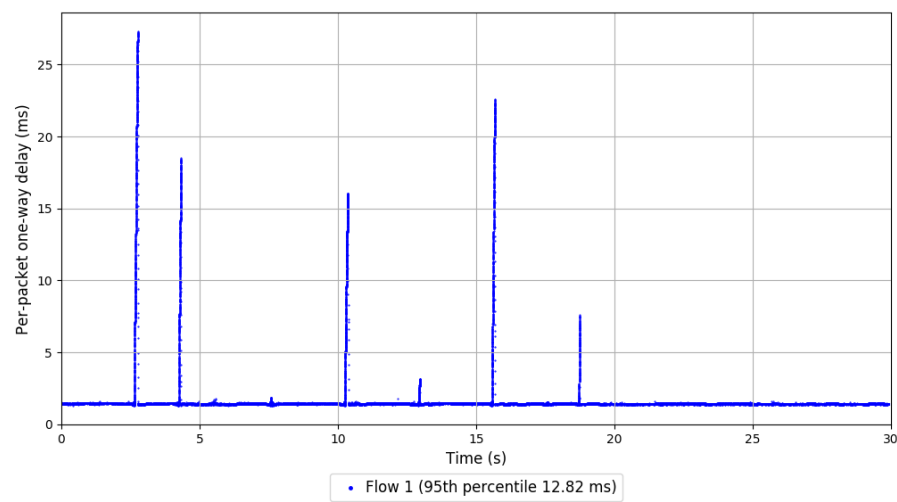
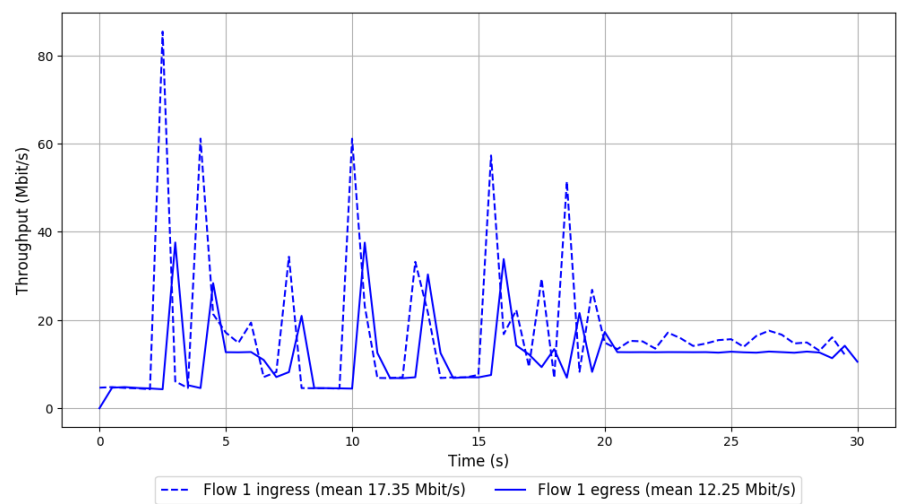


```
Run 1: Statistics of PCC-Expr

Start at: 2019-08-26 17:46:48
End at: 2019-08-26 17:47:18
Local clock offset: -4.004 ms
Remote clock offset: 0.791 ms

# Below is generated by plot.py at 2019-08-26 19:59:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.25 Mbit/s
95th percentile per-packet one-way delay: 12.820 ms
Loss rate: 29.37%
-- Flow 1:
Average throughput: 12.25 Mbit/s
95th percentile per-packet one-way delay: 12.820 ms
Loss rate: 29.37%
```

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2019-08-26 18:13:34

End at: 2019-08-26 18:14:04

Local clock offset: -6.174 ms

Remote clock offset: 0.782 ms

Below is generated by plot.py at 2019-08-26 19:59:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.61 Mbit/s

95th percentile per-packet one-way delay: 11.773 ms

Loss rate: 44.33%

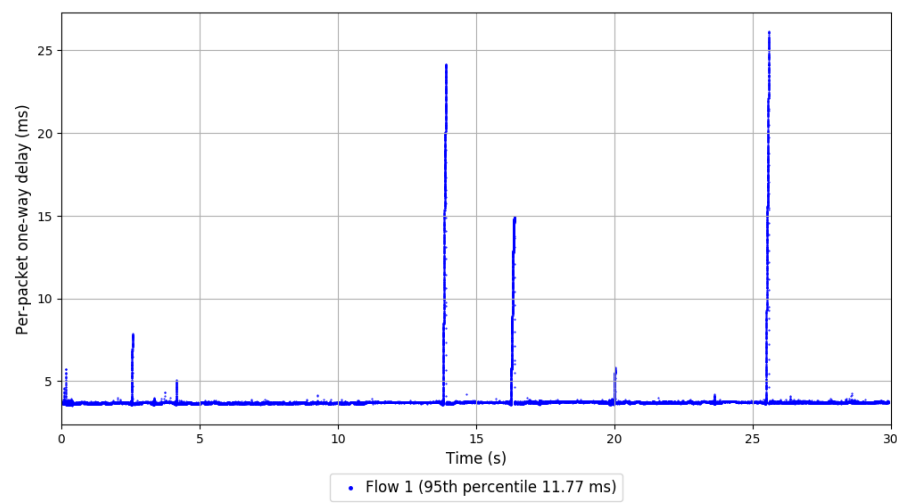
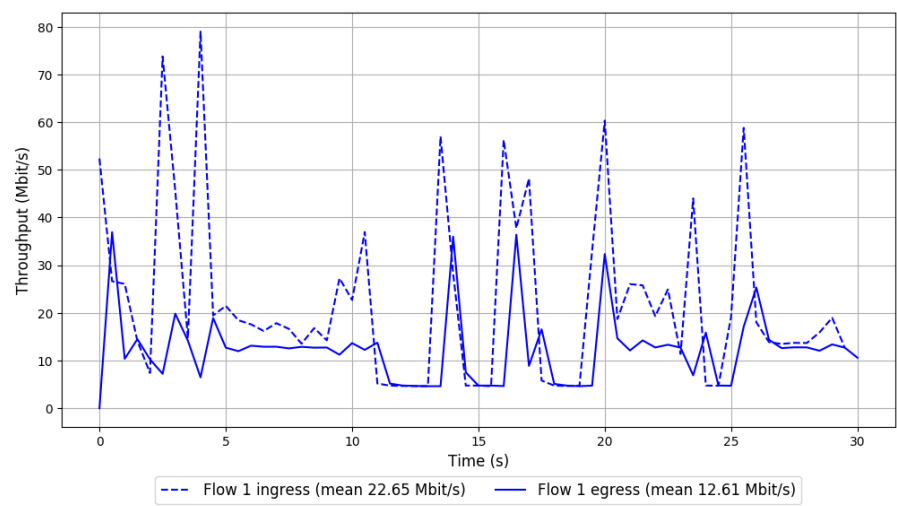
-- Flow 1:

Average throughput: 12.61 Mbit/s

95th percentile per-packet one-way delay: 11.773 ms

Loss rate: 44.33%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-08-26 18:40:15

End at: 2019-08-26 18:40:45

Local clock offset: -4.396 ms

Remote clock offset: 0.52 ms

Below is generated by plot.py at 2019-08-26 19:59:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.12 Mbit/s

95th percentile per-packet one-way delay: 2.806 ms

Loss rate: 36.74%

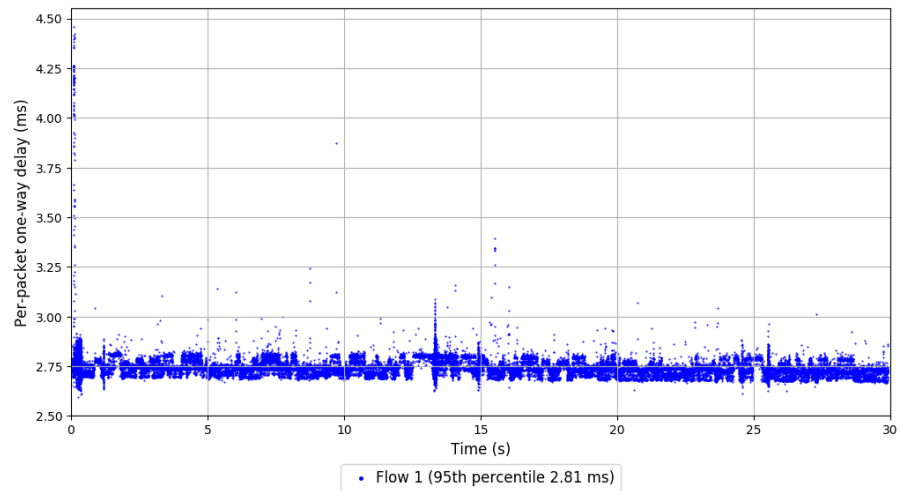
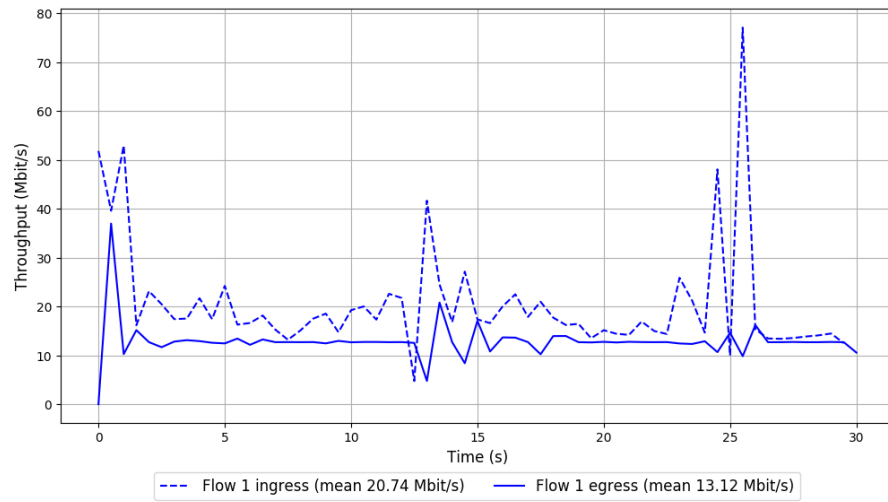
-- Flow 1:

Average throughput: 13.12 Mbit/s

95th percentile per-packet one-way delay: 2.806 ms

Loss rate: 36.74%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2019-08-26 19:06:56

End at: 2019-08-26 19:07:26

Local clock offset: -7.209 ms

Remote clock offset: 0.108 ms

Below is generated by plot.py at 2019-08-26 19:59:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.12 Mbit/s

95th percentile per-packet one-way delay: 2.106 ms

Loss rate: 19.72%

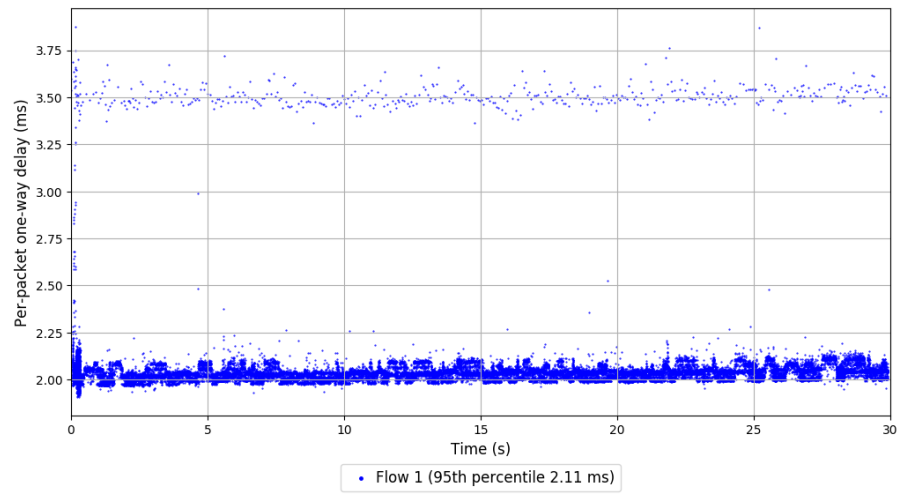
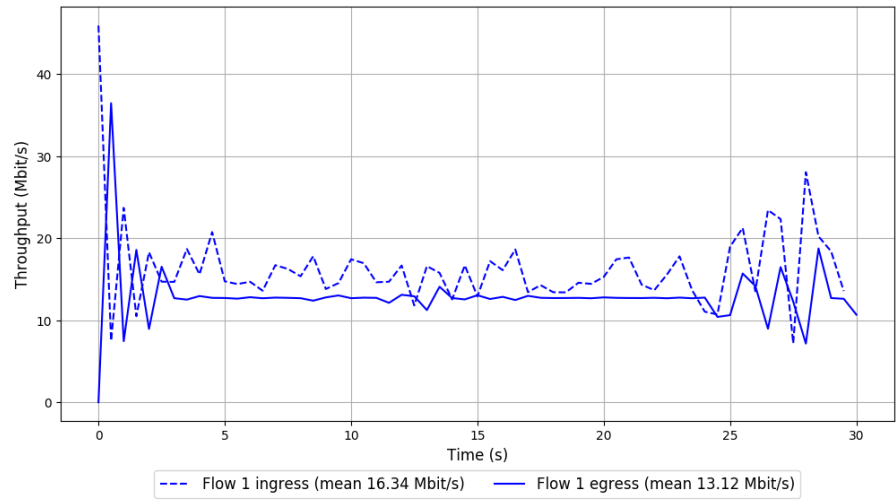
-- Flow 1:

Average throughput: 13.12 Mbit/s

95th percentile per-packet one-way delay: 2.106 ms

Loss rate: 19.72%

Run 4: Report of PCC-Expr — Data Link

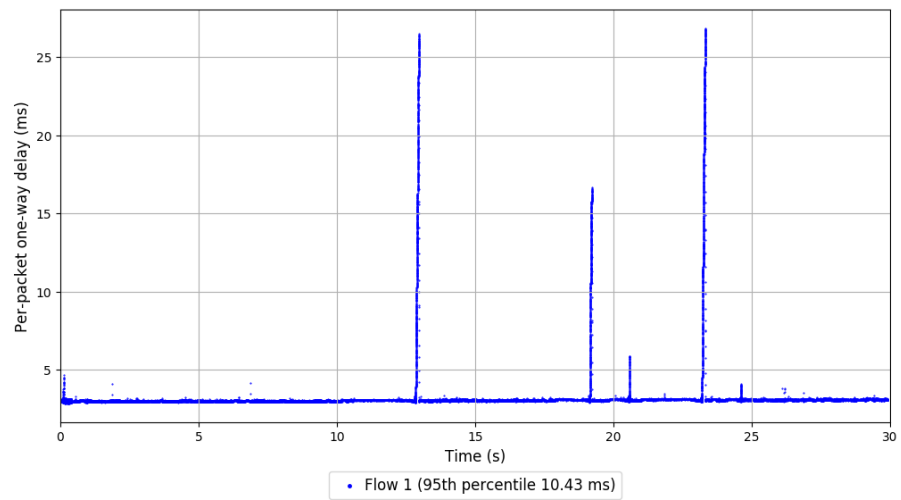
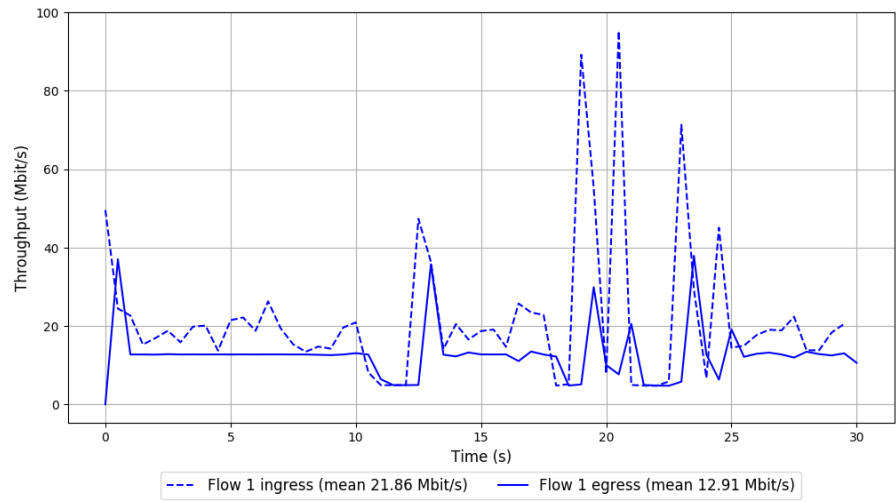


Run 5: Statistics of PCC-Expr

Start at: 2019-08-26 19:33:36
End at: 2019-08-26 19:34:06
Local clock offset: -4.633 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2019-08-26 19:59:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.91 Mbit/s
95th percentile per-packet one-way delay: 10.427 ms
Loss rate: 40.94%
-- Flow 1:
Average throughput: 12.91 Mbit/s
95th percentile per-packet one-way delay: 10.427 ms
Loss rate: 40.94%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-08-26 18:00:08

End at: 2019-08-26 18:00:38

Local clock offset: -5.063 ms

Remote clock offset: 0.84 ms

Below is generated by plot.py at 2019-08-26 19:59:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.58 Mbit/s

95th percentile per-packet one-way delay: 7.856 ms

Loss rate: 0.39%

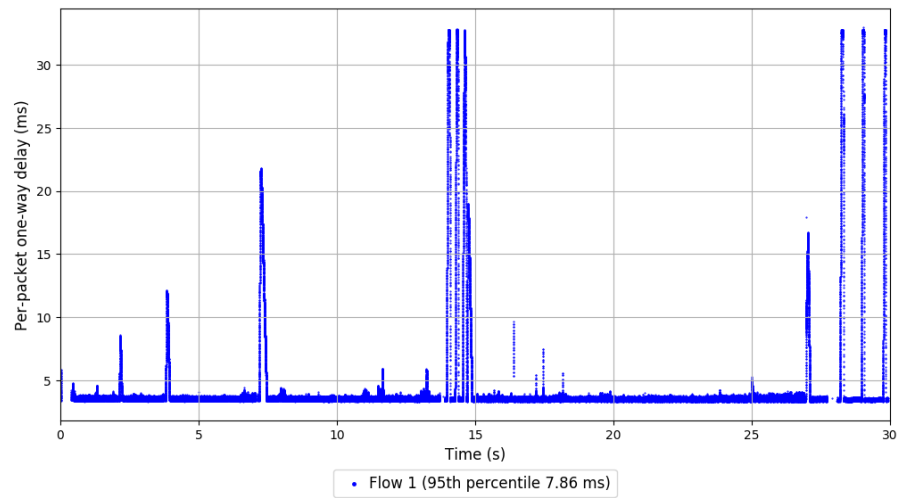
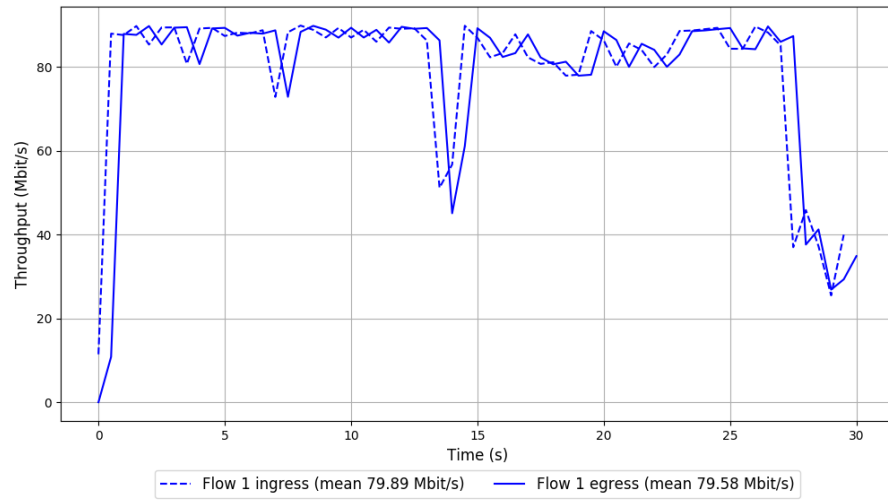
-- Flow 1:

Average throughput: 79.58 Mbit/s

95th percentile per-packet one-way delay: 7.856 ms

Loss rate: 0.39%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-08-26 18:26:53

End at: 2019-08-26 18:27:23

Local clock offset: -4.912 ms

Remote clock offset: 0.69 ms

Below is generated by plot.py at 2019-08-26 19:59:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.34 Mbit/s

95th percentile per-packet one-way delay: 4.004 ms

Loss rate: 0.28%

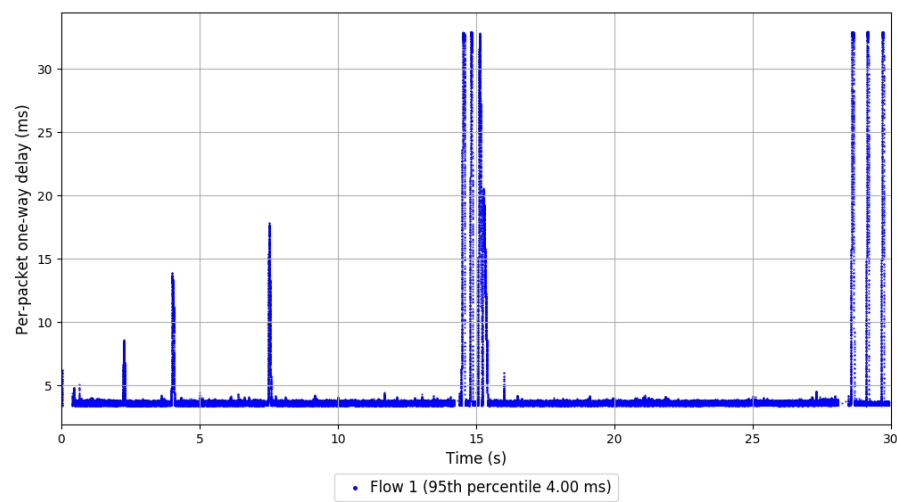
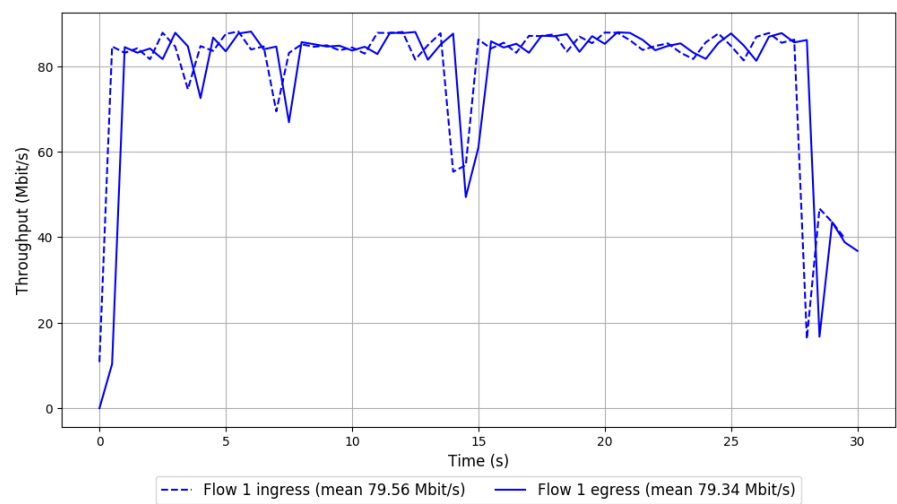
-- Flow 1:

Average throughput: 79.34 Mbit/s

95th percentile per-packet one-way delay: 4.004 ms

Loss rate: 0.28%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-08-26 18:53:35

End at: 2019-08-26 18:54:05

Local clock offset: -6.25 ms

Remote clock offset: 0.401 ms

Below is generated by plot.py at 2019-08-26 20:00:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.69 Mbit/s

95th percentile per-packet one-way delay: 4.476 ms

Loss rate: 0.23%

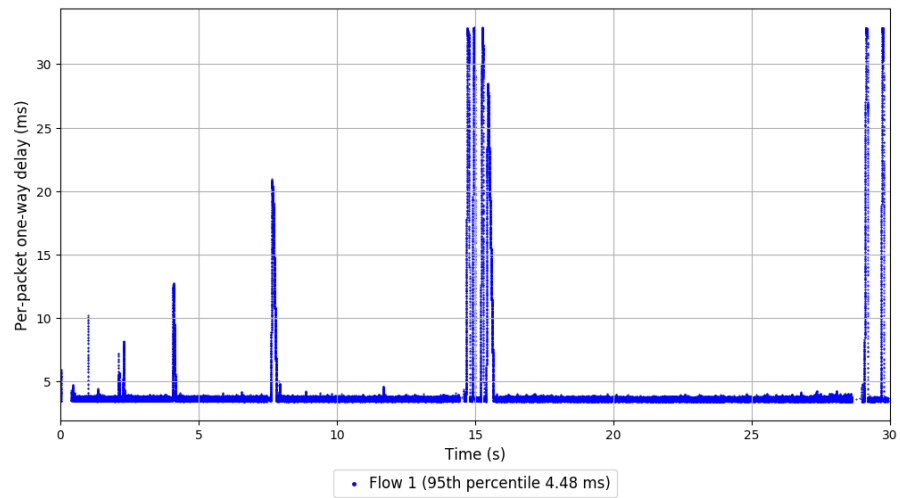
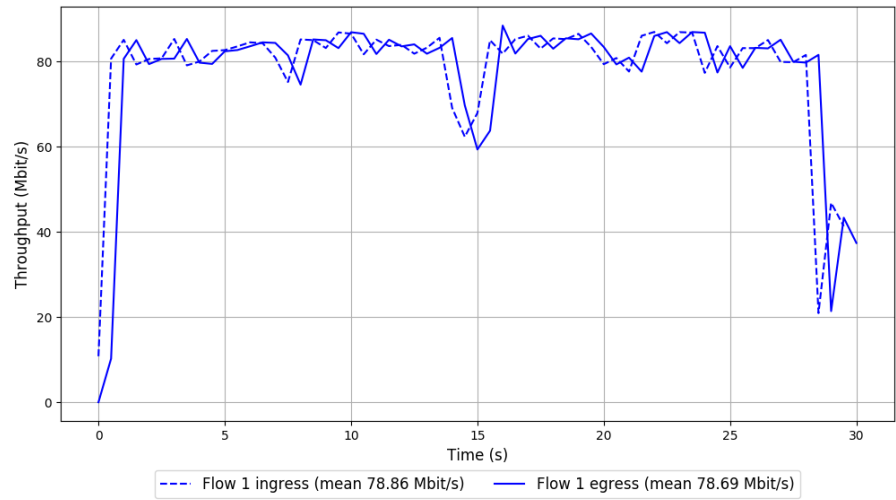
-- Flow 1:

Average throughput: 78.69 Mbit/s

95th percentile per-packet one-way delay: 4.476 ms

Loss rate: 0.23%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-08-26 19:20:16

End at: 2019-08-26 19:20:46

Local clock offset: -5.958 ms

Remote clock offset: 0.04 ms

Below is generated by plot.py at 2019-08-26 20:00:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.40 Mbit/s

95th percentile per-packet one-way delay: 2.187 ms

Loss rate: 0.39%

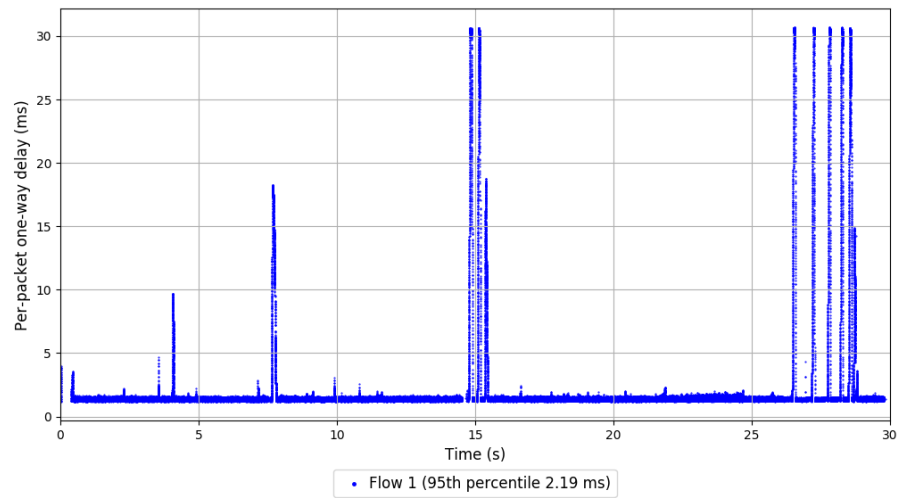
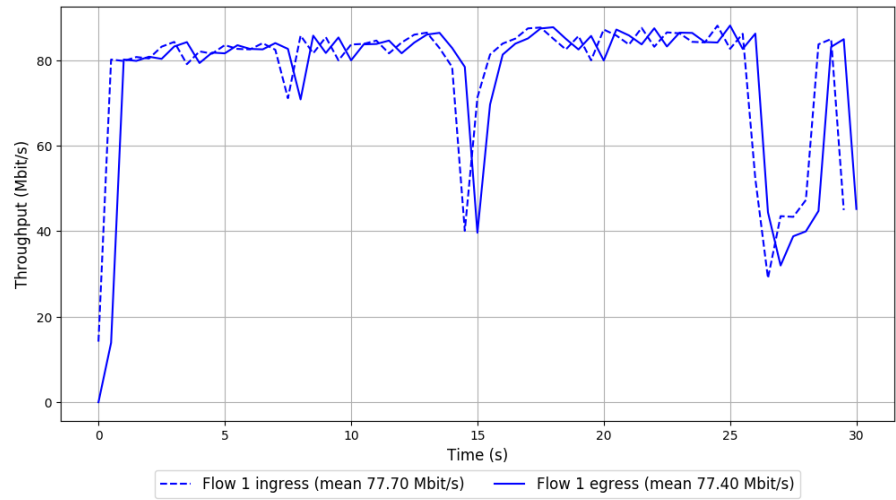
-- Flow 1:

Average throughput: 77.40 Mbit/s

95th percentile per-packet one-way delay: 2.187 ms

Loss rate: 0.39%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-08-26 19:46:55

End at: 2019-08-26 19:47:25

Local clock offset: -3.26 ms

Remote clock offset: -0.242 ms

Below is generated by plot.py at 2019-08-26 20:00:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.19 Mbit/s

95th percentile per-packet one-way delay: 4.088 ms

Loss rate: 0.19%

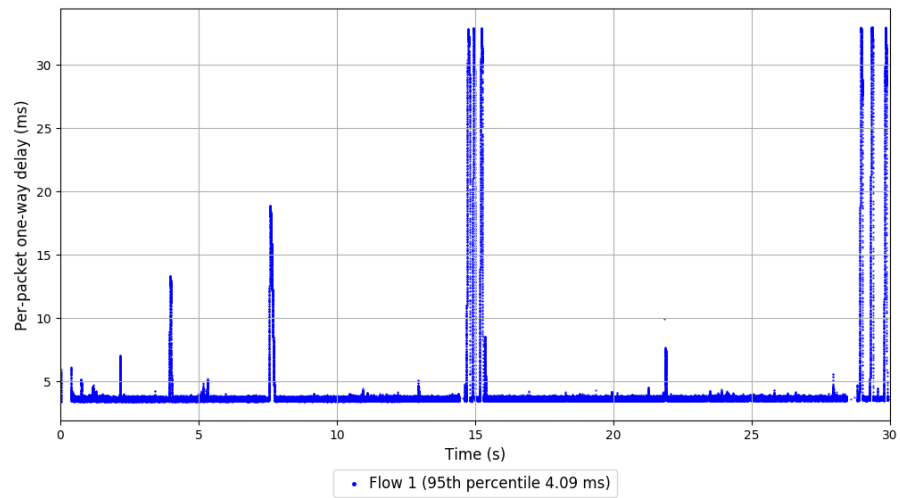
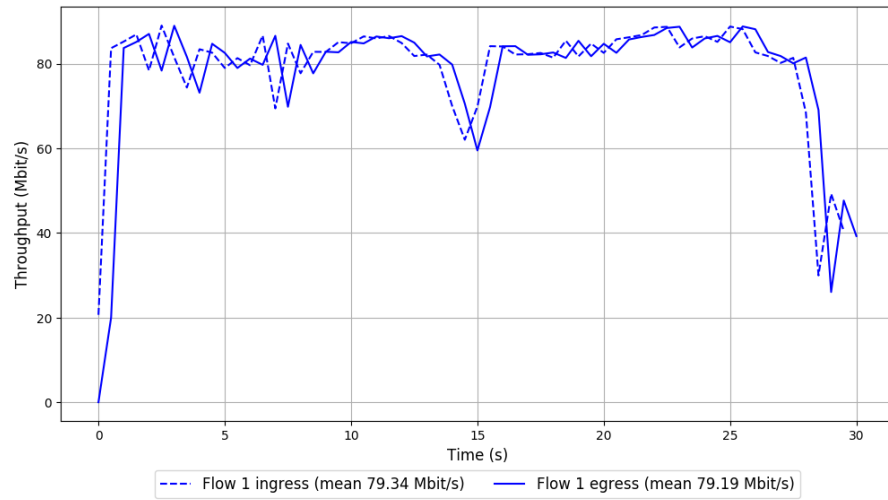
-- Flow 1:

Average throughput: 79.19 Mbit/s

95th percentile per-packet one-way delay: 4.088 ms

Loss rate: 0.19%

Run 5: Report of QUIC Cubic — Data Link

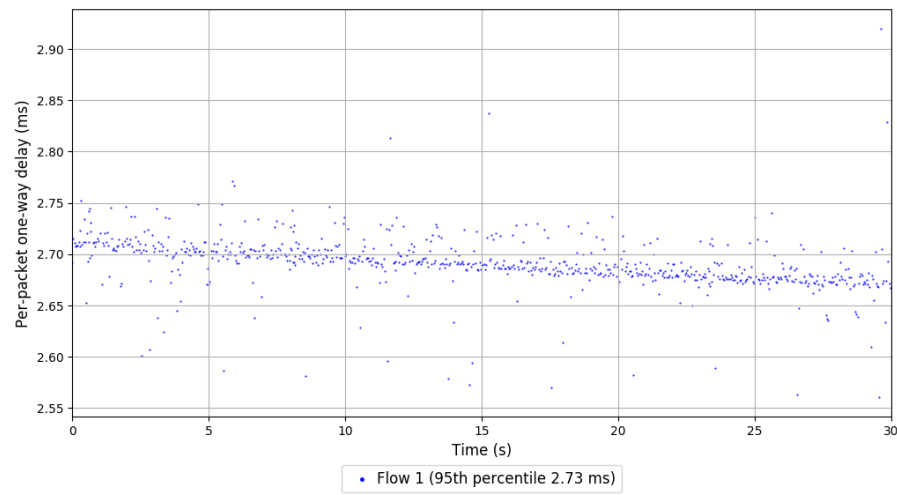
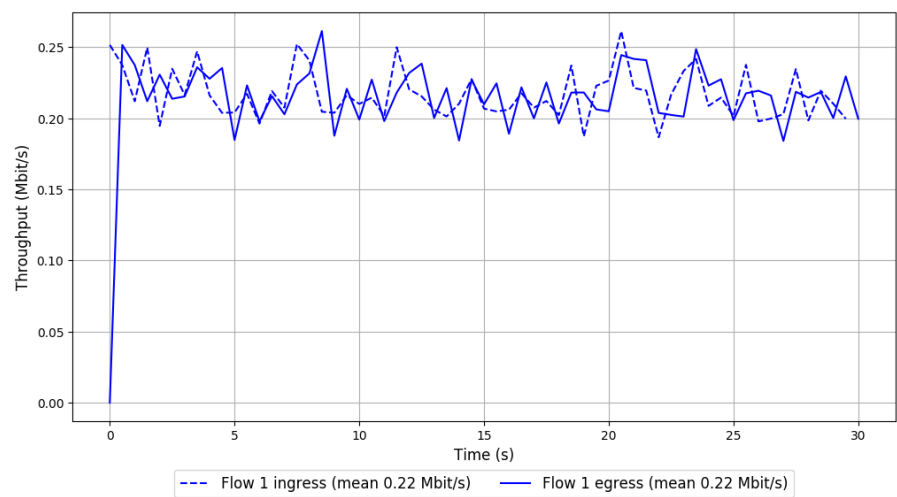


```
Run 1: Statistics of SCReAM

Start at: 2019-08-26 17:57:59
End at: 2019-08-26 17:58:29
Local clock offset: -4.167 ms
Remote clock offset: 0.765 ms

# Below is generated by plot.py at 2019-08-26 20:00:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.729 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.729 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2019-08-26 18:24:44

End at: 2019-08-26 18:25:14

Local clock offset: -4.215 ms

Remote clock offset: 0.727 ms

Below is generated by plot.py at 2019-08-26 20:00:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.874 ms

Loss rate: 0.00%

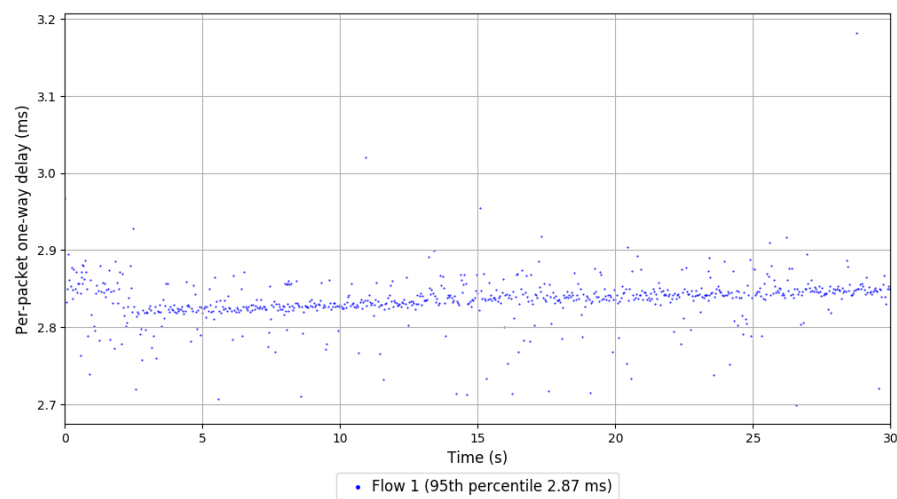
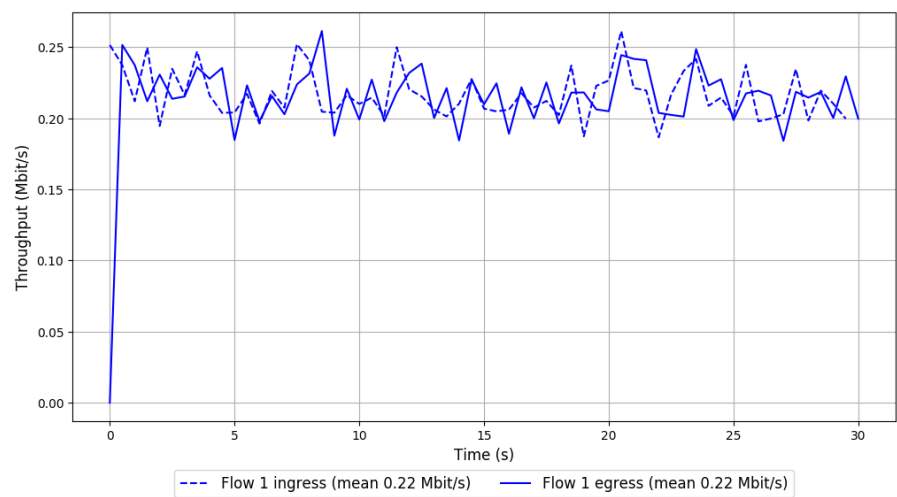
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.874 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2019-08-26 18:51:26

End at: 2019-08-26 18:51:56

Local clock offset: -5.275 ms

Remote clock offset: 0.43 ms

Below is generated by plot.py at 2019-08-26 20:00:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.401 ms

Loss rate: 0.00%

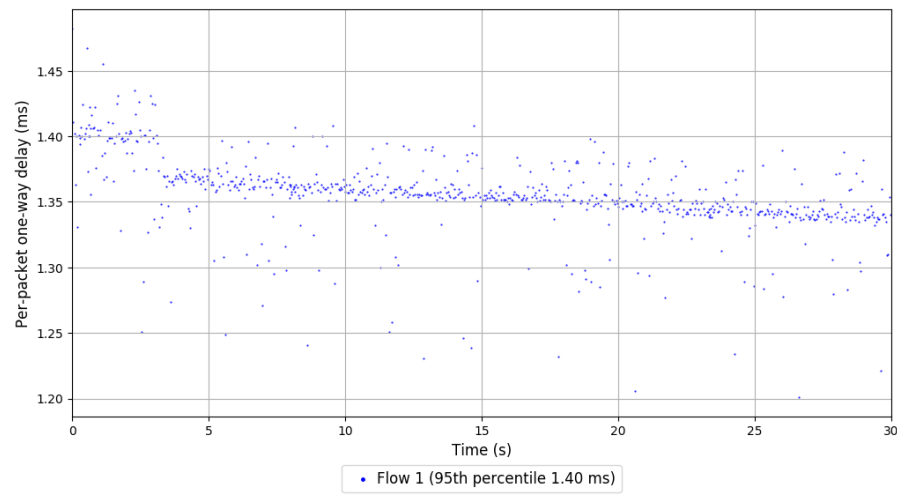
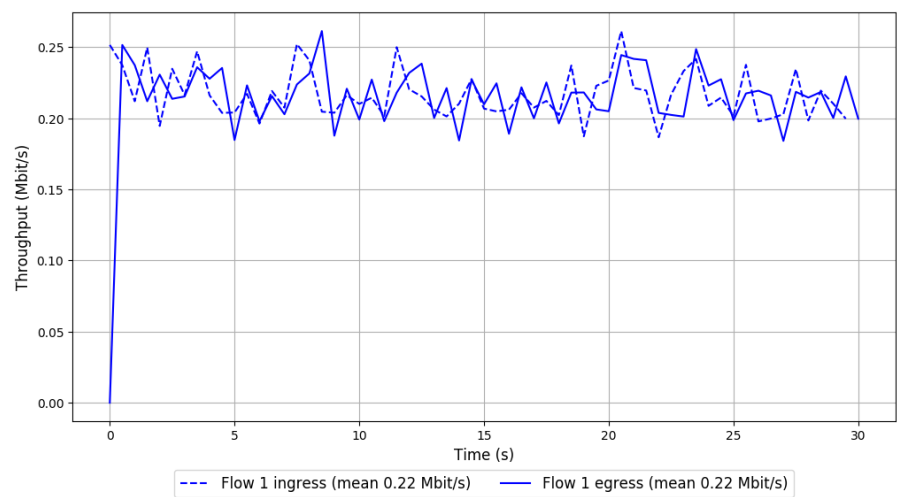
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.401 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2019-08-26 19:18:08

End at: 2019-08-26 19:18:38

Local clock offset: -6.837 ms

Remote clock offset: 0.122 ms

Below is generated by plot.py at 2019-08-26 20:00:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 3.783 ms

Loss rate: 0.00%

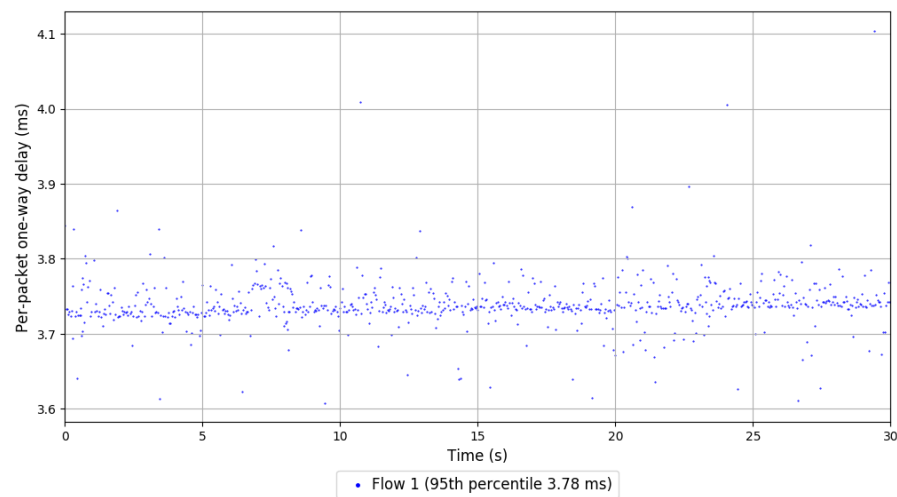
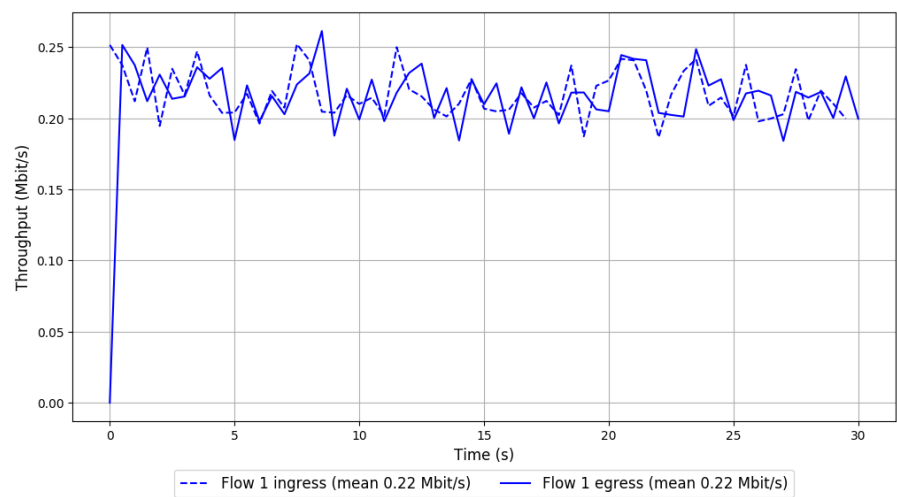
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 3.783 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

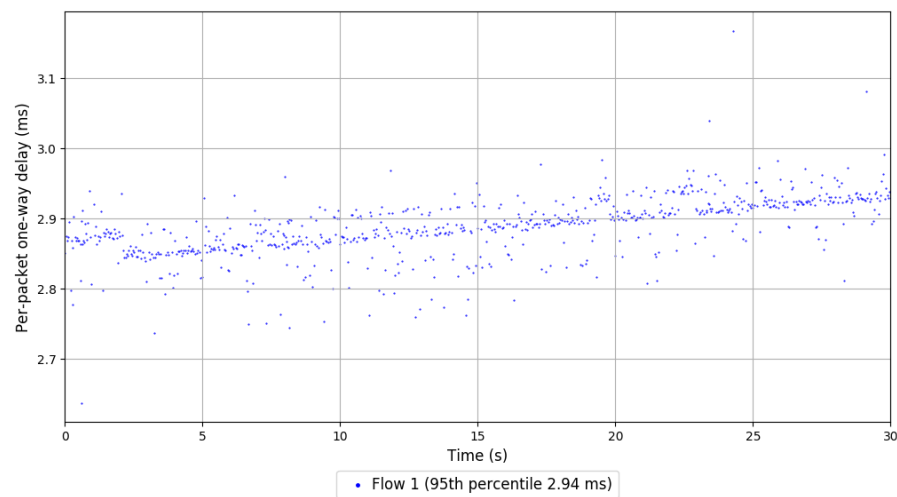
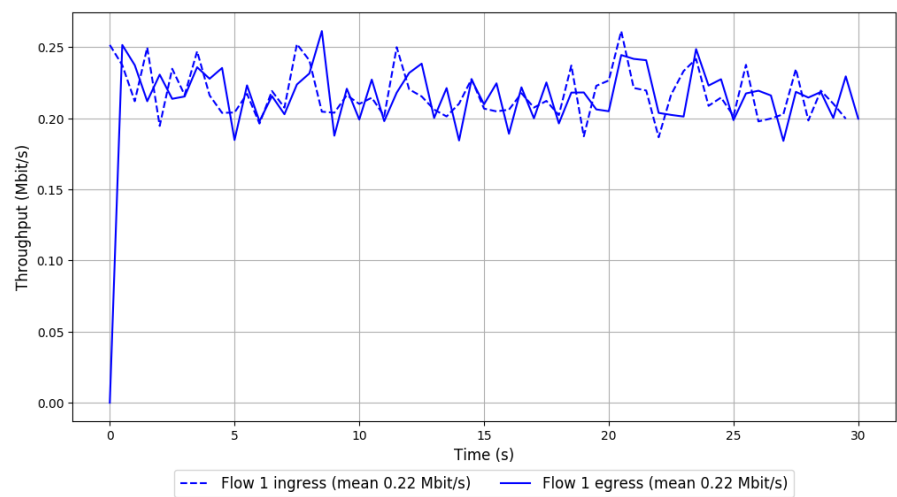


Run 5: Statistics of SCReAM

Start at: 2019-08-26 19:44:46
End at: 2019-08-26 19:45:16
Local clock offset: -2.849 ms
Remote clock offset: -0.193 ms

Below is generated by plot.py at 2019-08-26 20:00:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.945 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.945 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2019-08-26 17:41:17

End at: 2019-08-26 17:41:47

Local clock offset: -3.621 ms

Remote clock offset: 0.777 ms

Below is generated by plot.py at 2019-08-26 20:00:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.27 Mbit/s

95th percentile per-packet one-way delay: 10.456 ms

Loss rate: 0.00%

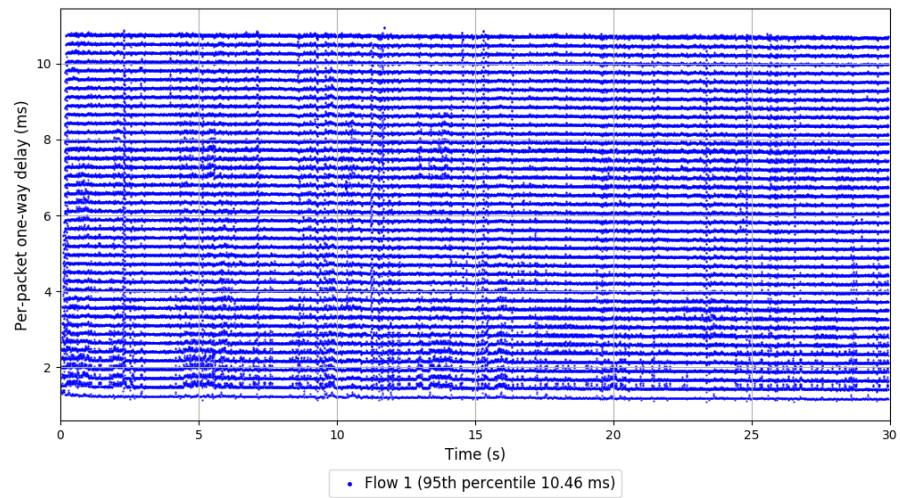
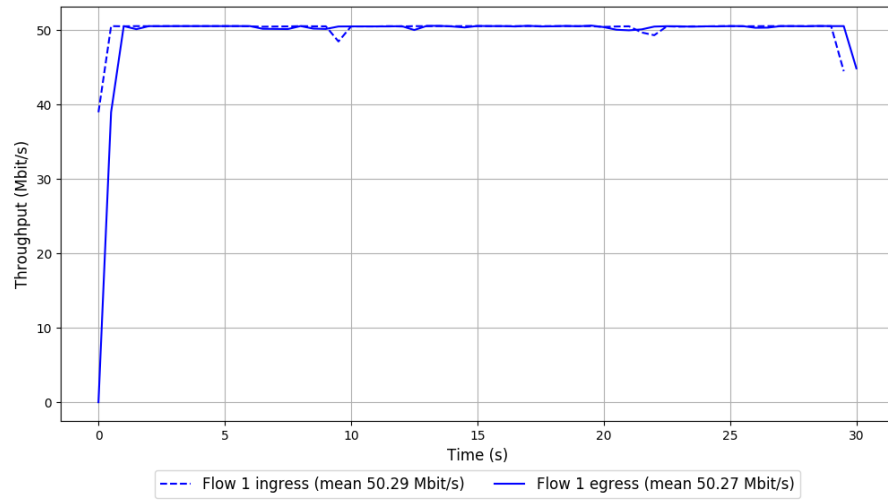
-- Flow 1:

Average throughput: 50.27 Mbit/s

95th percentile per-packet one-way delay: 10.456 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2019-08-26 18:08:03

End at: 2019-08-26 18:08:33

Local clock offset: -5.074 ms

Remote clock offset: 0.864 ms

Below is generated by plot.py at 2019-08-26 20:00:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.26 Mbit/s

95th percentile per-packet one-way delay: 10.591 ms

Loss rate: 0.00%

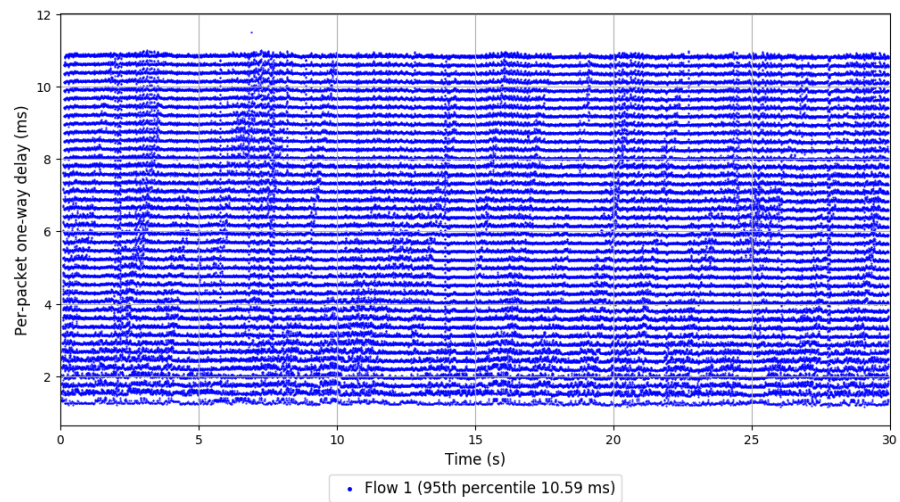
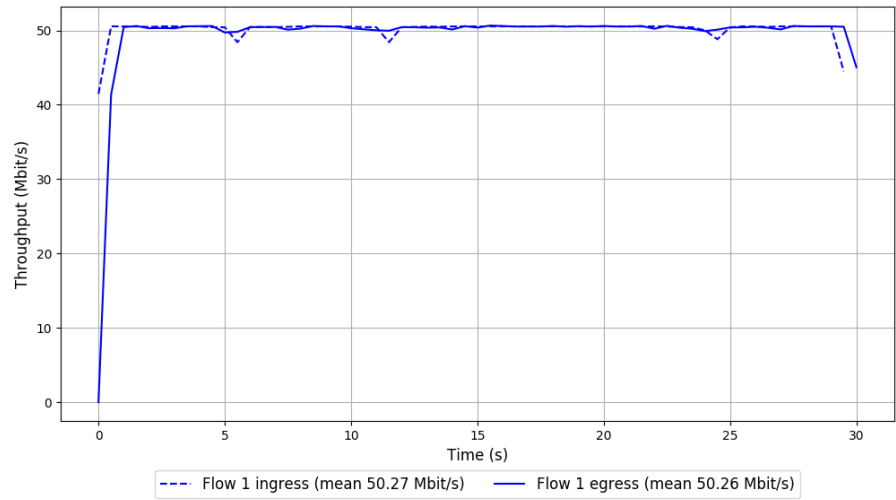
-- Flow 1:

Average throughput: 50.26 Mbit/s

95th percentile per-packet one-way delay: 10.591 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

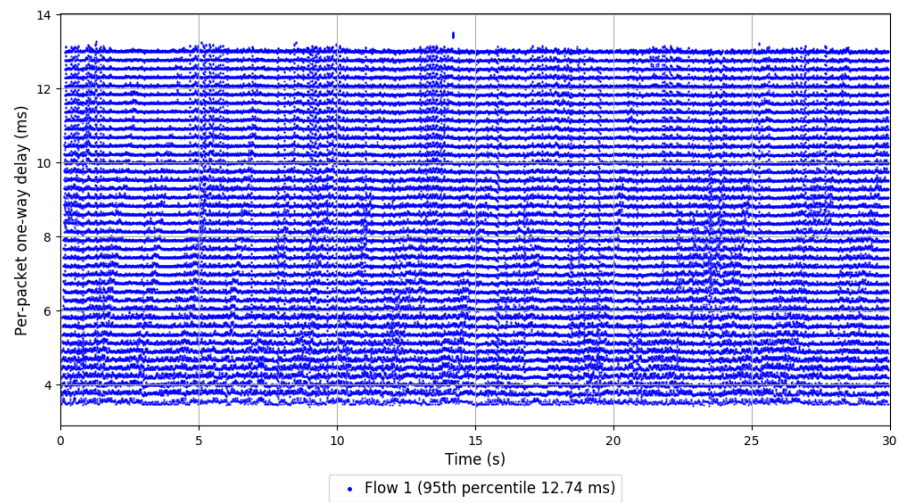
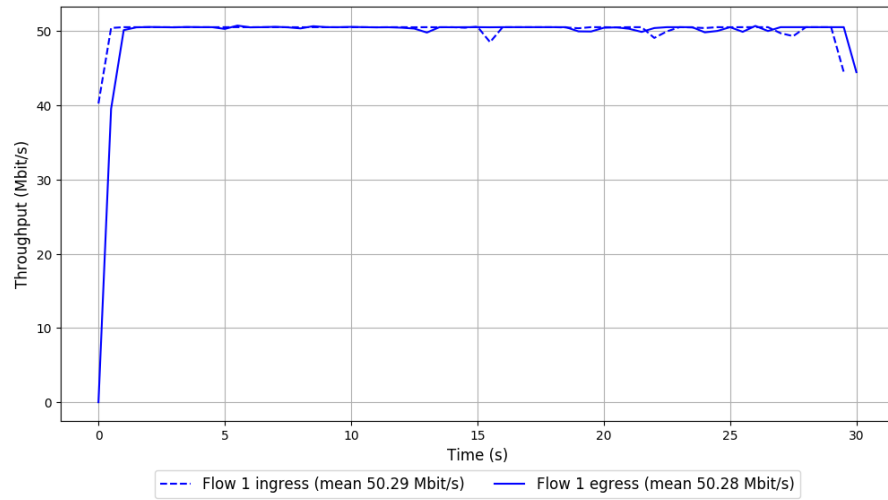


Run 3: Statistics of Sprout

Start at: 2019-08-26 18:34:44
End at: 2019-08-26 18:35:14
Local clock offset: -4.916 ms
Remote clock offset: 0.593 ms

Below is generated by plot.py at 2019-08-26 20:00:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.28 Mbit/s
95th percentile per-packet one-way delay: 12.745 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.28 Mbit/s
95th percentile per-packet one-way delay: 12.745 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2019-08-26 19:01:25

End at: 2019-08-26 19:01:55

Local clock offset: -7.006 ms

Remote clock offset: 0.329 ms

Below is generated by plot.py at 2019-08-26 20:00:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.29 Mbit/s

95th percentile per-packet one-way delay: 13.029 ms

Loss rate: 0.00%

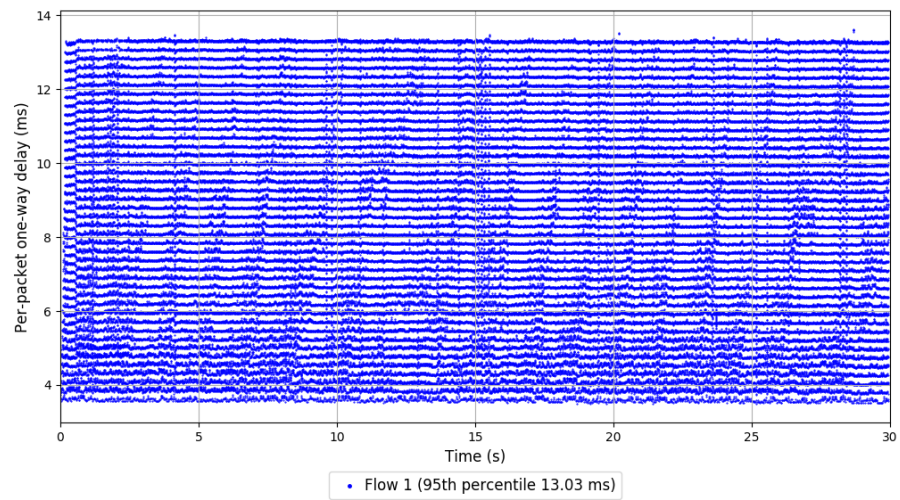
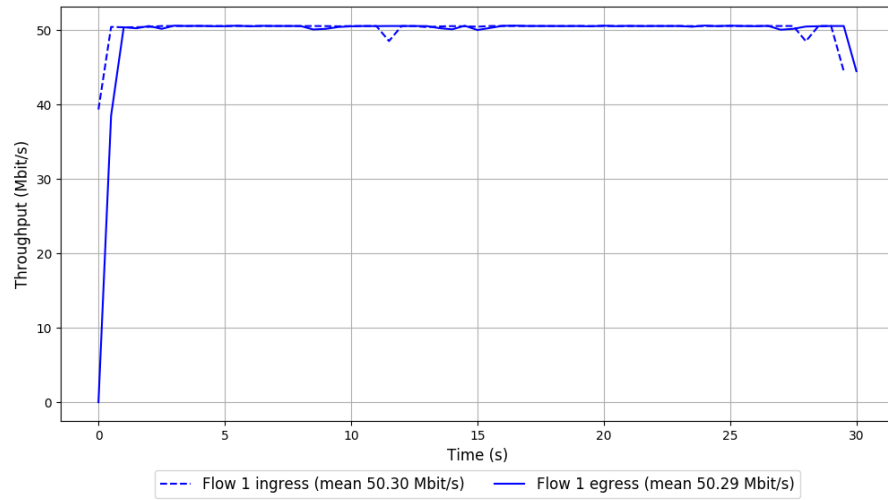
-- Flow 1:

Average throughput: 50.29 Mbit/s

95th percentile per-packet one-way delay: 13.029 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

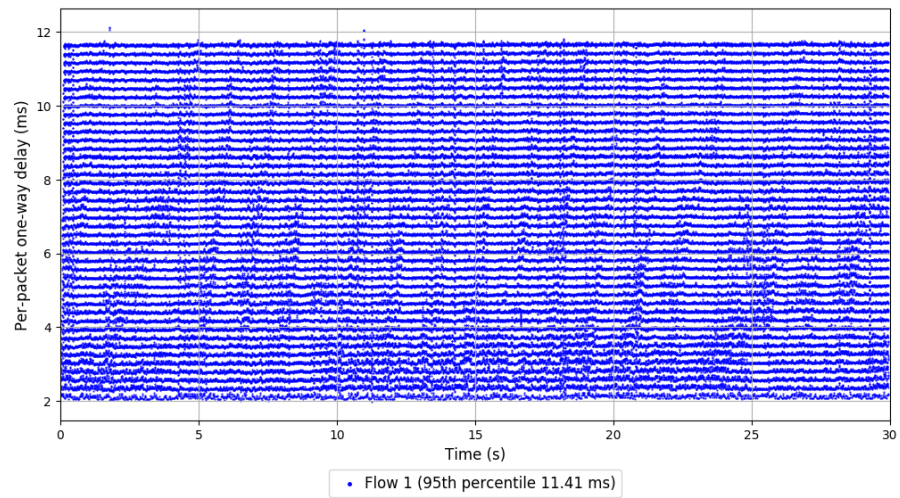
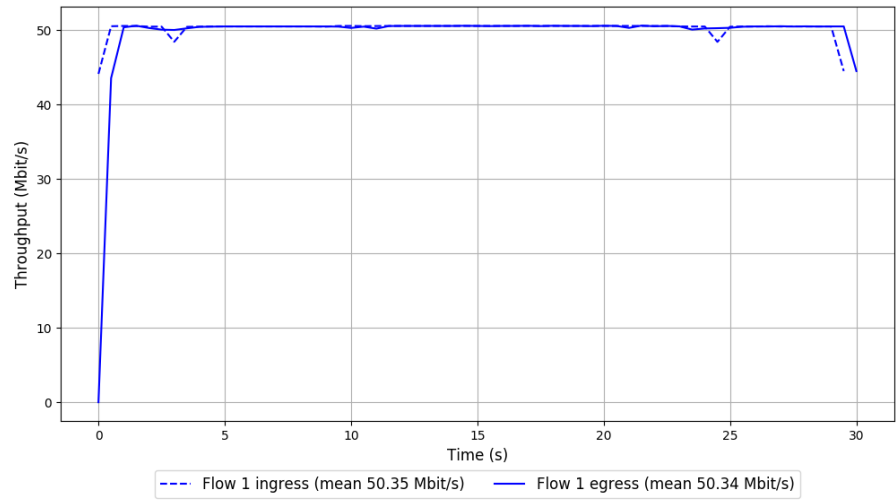


Run 5: Statistics of Sprout

Start at: 2019-08-26 19:28:06
End at: 2019-08-26 19:28:36
Local clock offset: -6.206 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2019-08-26 20:00:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.34 Mbit/s
95th percentile per-packet one-way delay: 11.407 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.34 Mbit/s
95th percentile per-packet one-way delay: 11.407 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

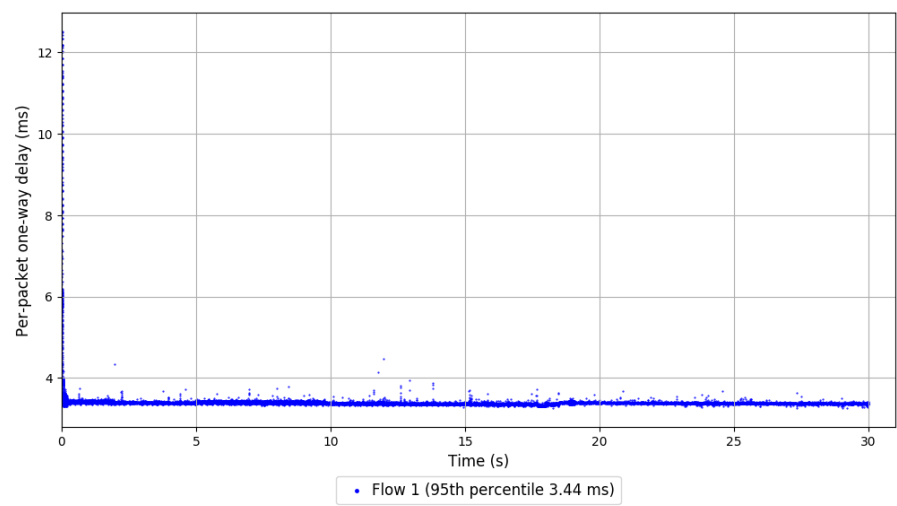
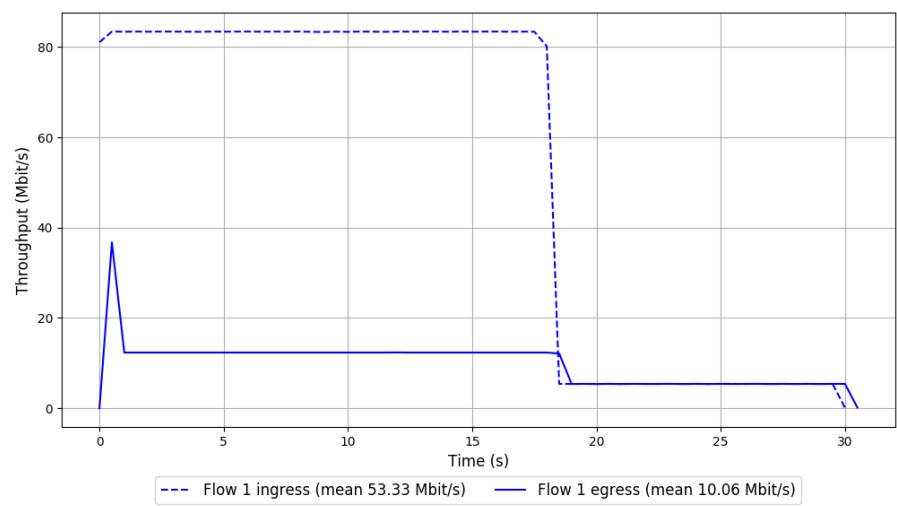


```
Run 1: Statistics of TaoVA-100x

Start at: 2019-08-26 17:42:23
End at: 2019-08-26 17:42:53
Local clock offset: -4.559 ms
Remote clock offset: 0.654 ms

# Below is generated by plot.py at 2019-08-26 20:00:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.06 Mbit/s
95th percentile per-packet one-way delay: 3.438 ms
Loss rate: 81.13%
-- Flow 1:
Average throughput: 10.06 Mbit/s
95th percentile per-packet one-way delay: 3.438 ms
Loss rate: 81.13%
```

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



Run 2: Statistics of TaoVA-100x

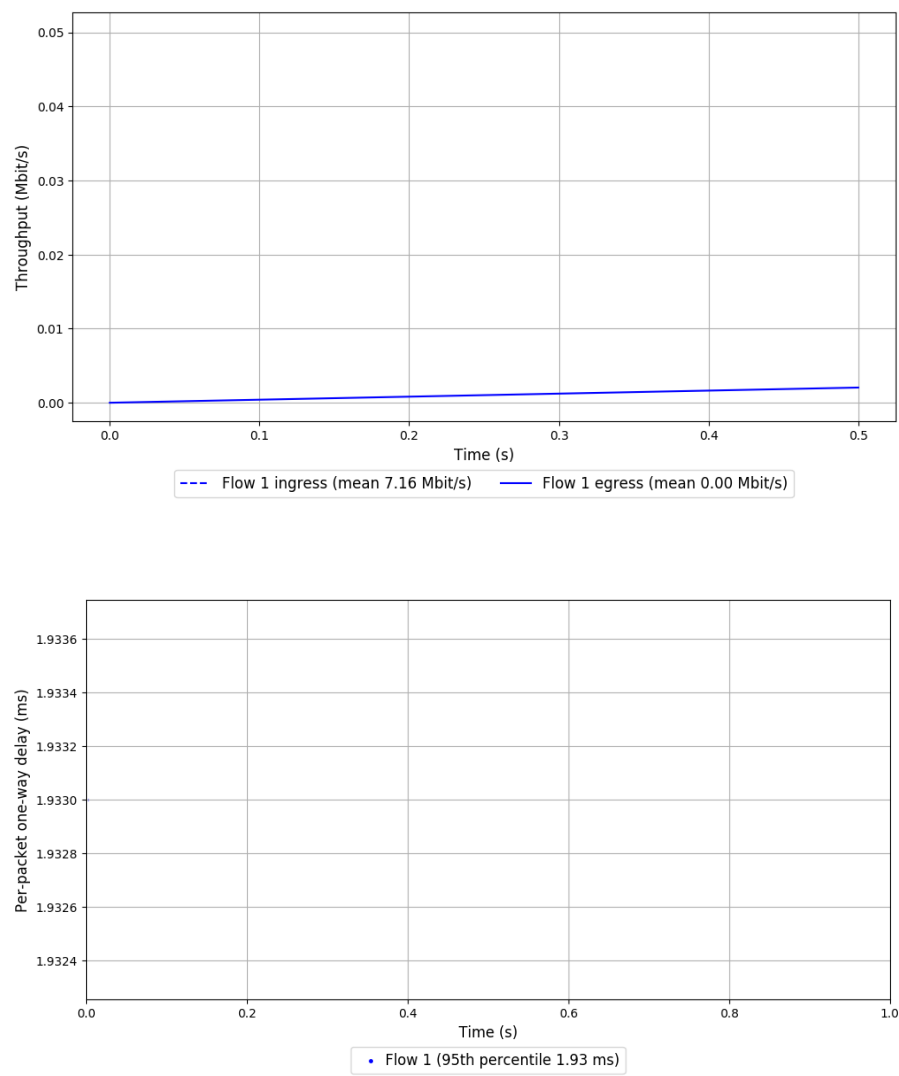
Start at: 2019-08-26 18:09:08

End at: 2019-08-26 18:09:39

Local clock offset: -5.975 ms

Remote clock offset: 0.792 ms

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



Run 3: Statistics of TaoVA-100x

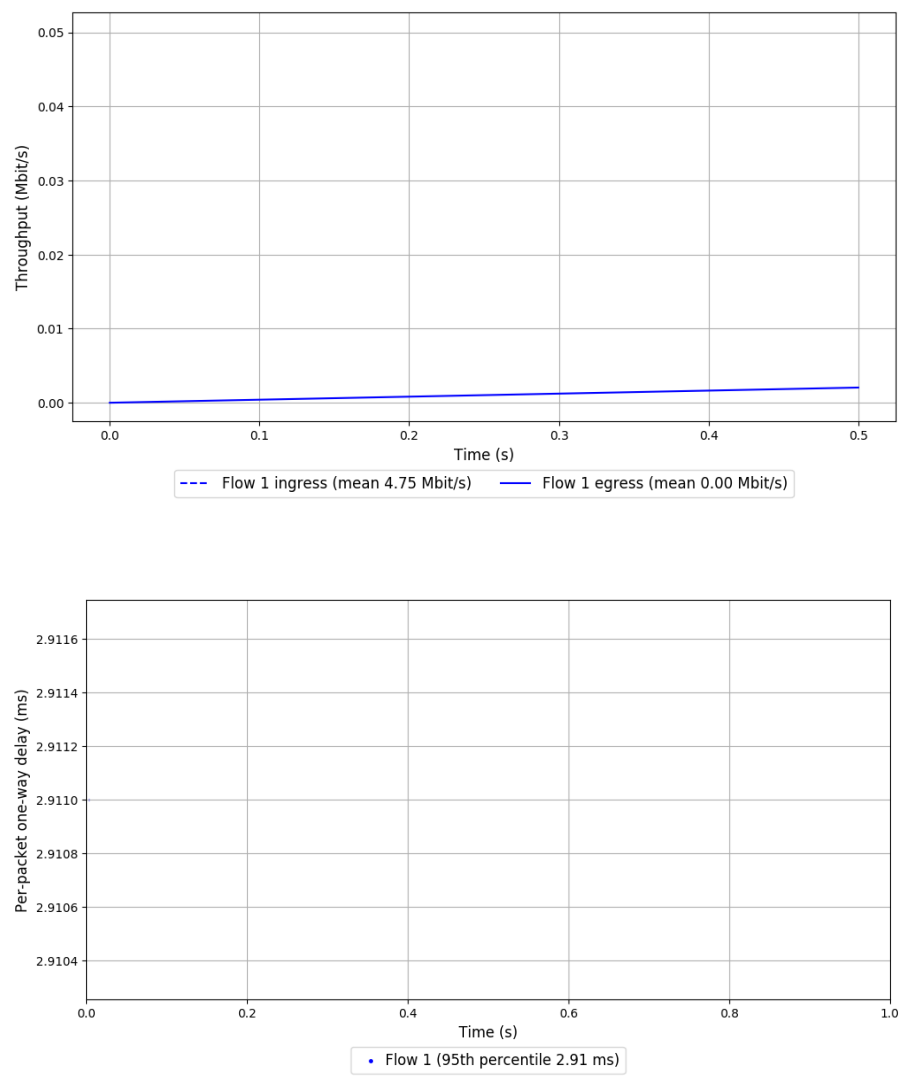
Start at: 2019-08-26 18:35:50

End at: 2019-08-26 18:36:20

Local clock offset: -4.202 ms

Remote clock offset: 0.592 ms

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



Run 4: Statistics of TaoVA-100x

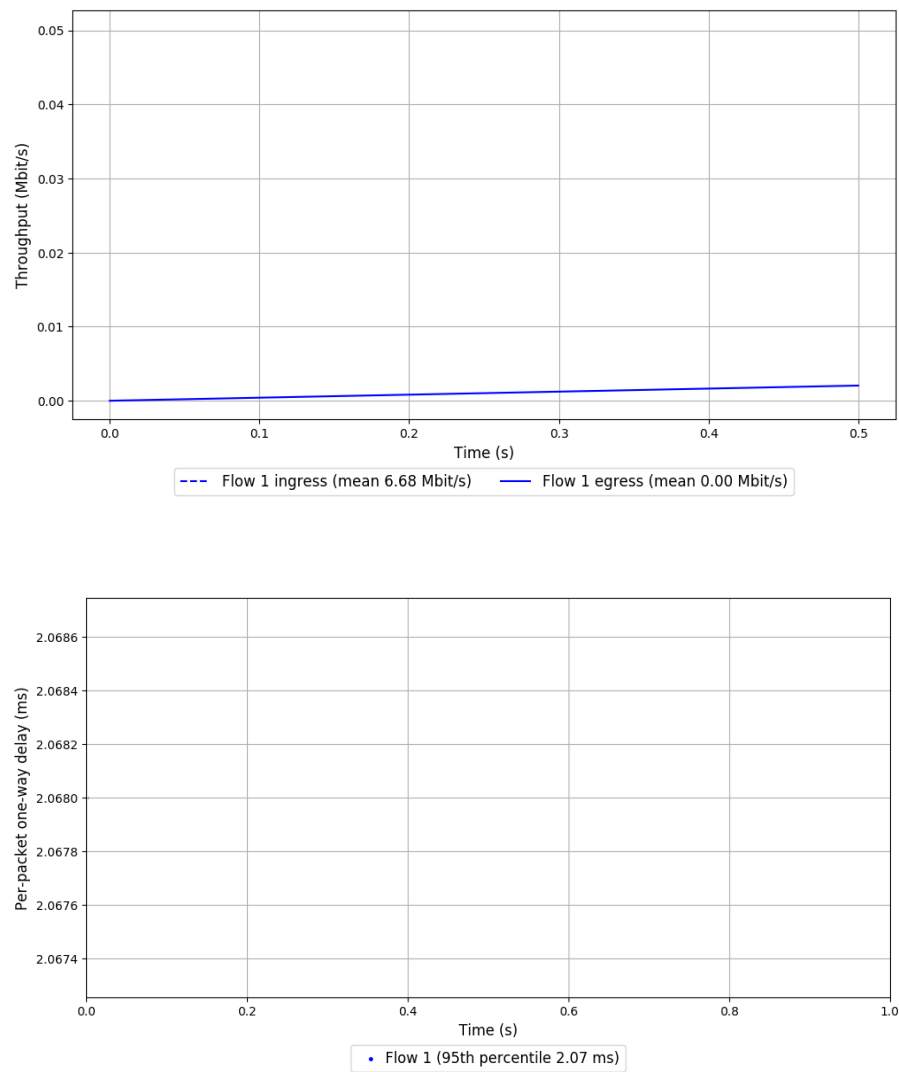
Start at: 2019-08-26 19:02:30

End at: 2019-08-26 19:03:00

Local clock offset: -7.121 ms

Remote clock offset: 0.17 ms

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



Run 5: Statistics of TaoVA-100x

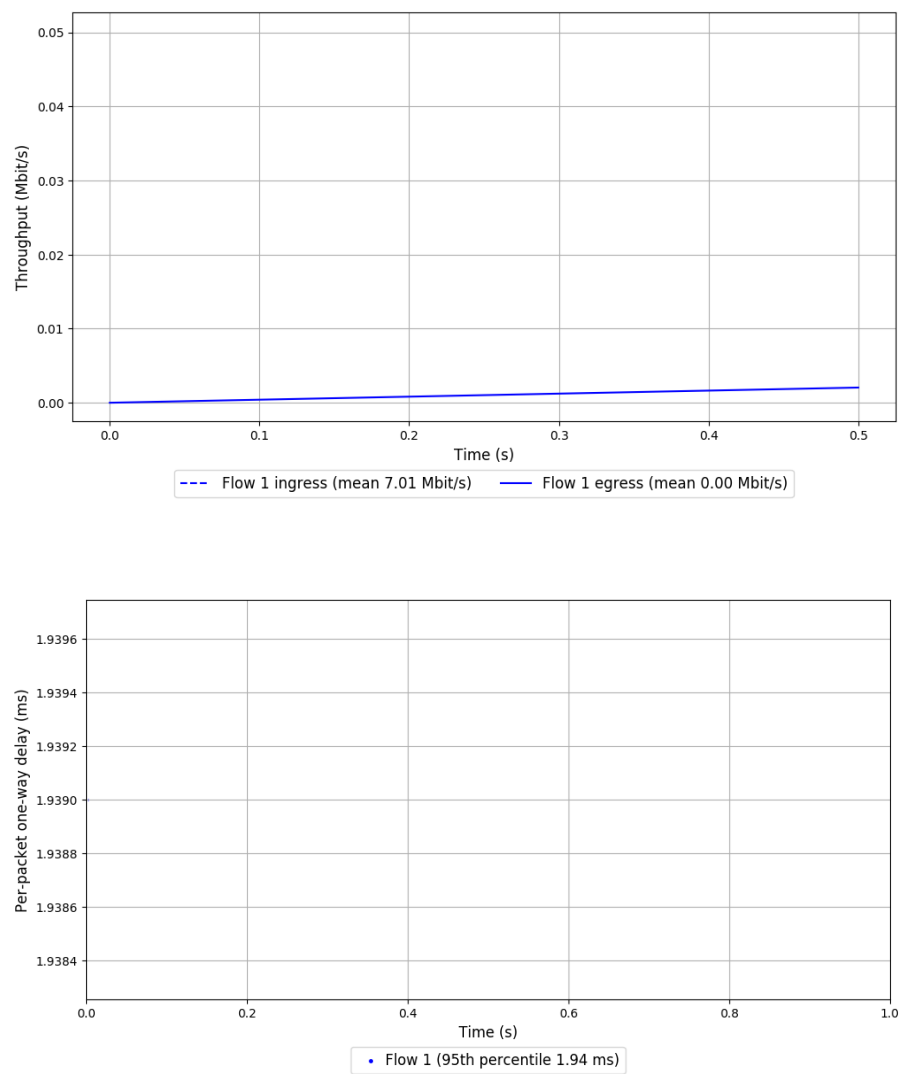
Start at: 2019-08-26 19:29:11

End at: 2019-08-26 19:29:41

Local clock offset: -6.15 ms

Remote clock offset: -0.136 ms

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



Run 1: Statistics of TCP Vegas

Start at: 2019-08-26 18:01:16

End at: 2019-08-26 18:01:46

Local clock offset: -5.167 ms

Remote clock offset: 0.813 ms

Below is generated by plot.py at 2019-08-26 20:01:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.40 Mbit/s

95th percentile per-packet one-way delay: 5.035 ms

Loss rate: 0.00%

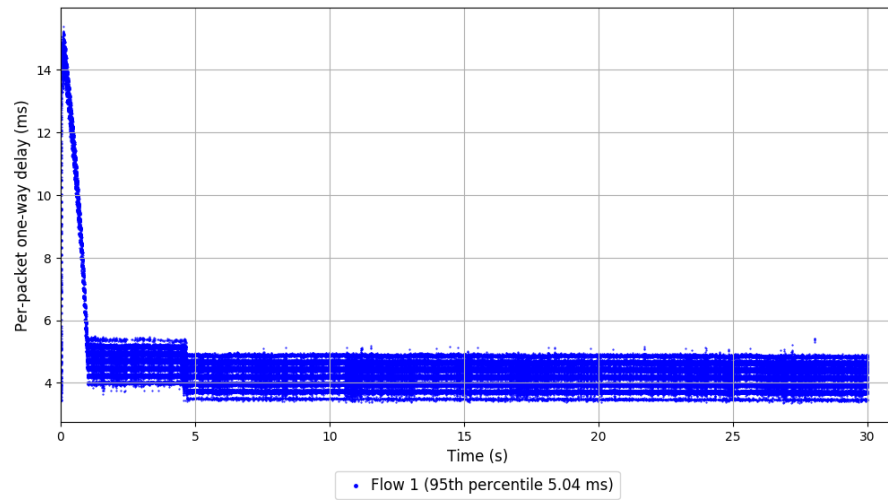
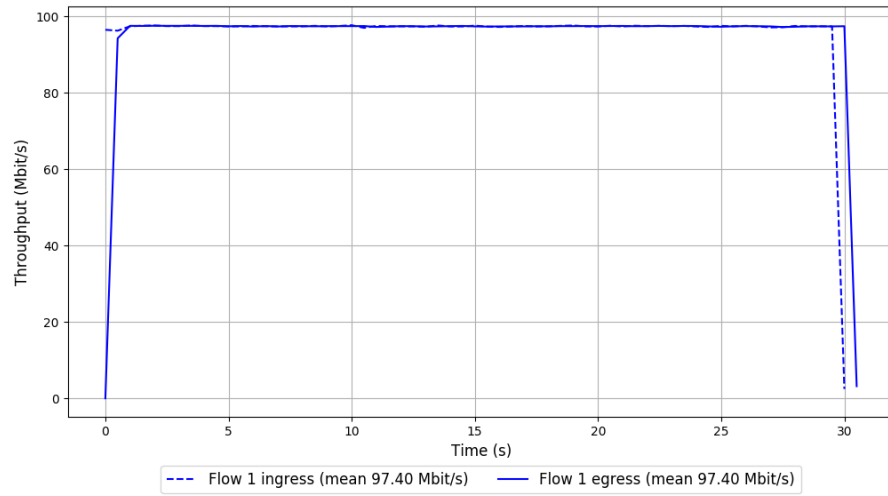
-- Flow 1:

Average throughput: 97.40 Mbit/s

95th percentile per-packet one-way delay: 5.035 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2019-08-26 18:28:01

End at: 2019-08-26 18:28:31

Local clock offset: -4.137 ms

Remote clock offset: 0.591 ms

Below is generated by plot.py at 2019-08-26 20:01:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.36 Mbit/s

95th percentile per-packet one-way delay: 2.607 ms

Loss rate: 0.00%

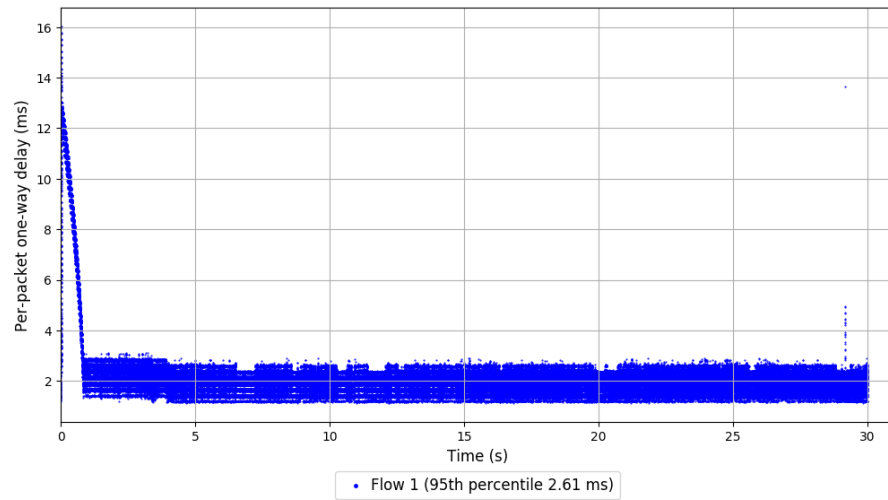
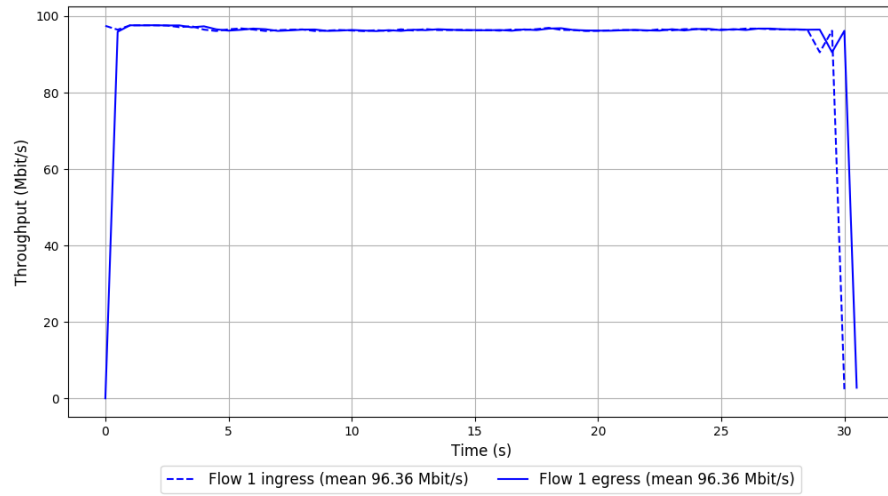
-- Flow 1:

Average throughput: 96.36 Mbit/s

95th percentile per-packet one-way delay: 2.607 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

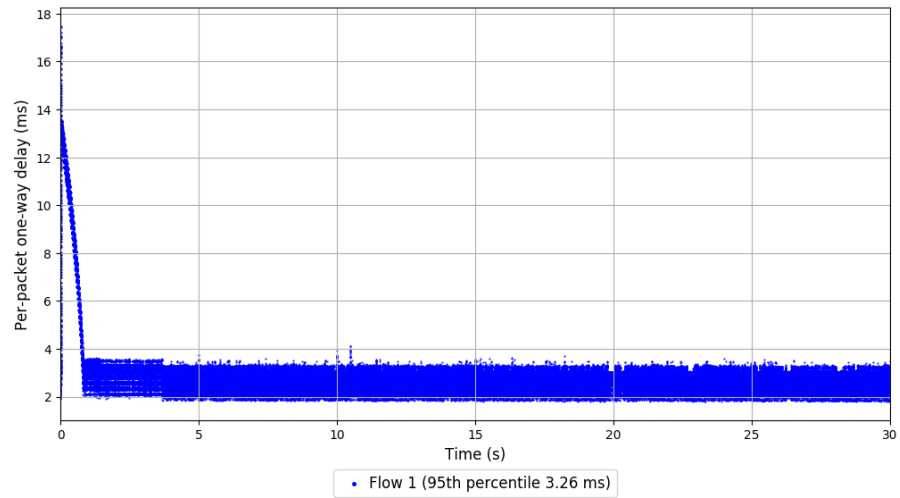
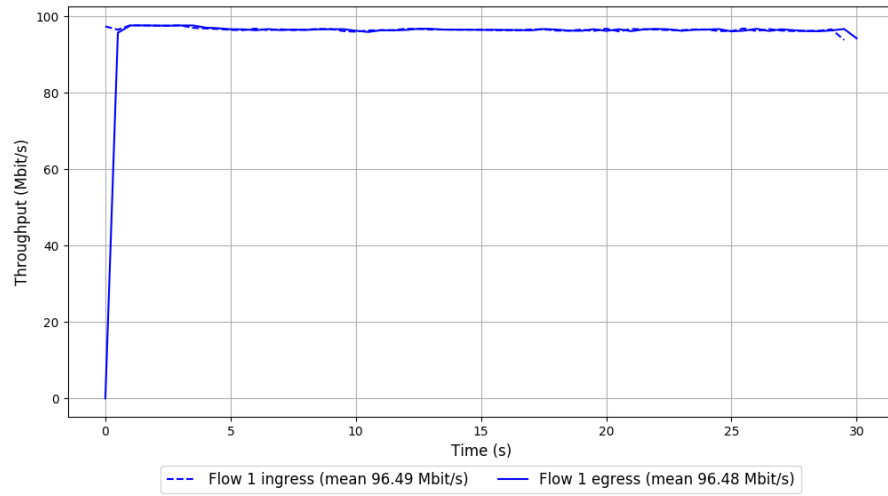


Run 3: Statistics of TCP Vegas

Start at: 2019-08-26 18:54:43
End at: 2019-08-26 18:55:13
Local clock offset: -6.303 ms
Remote clock offset: 0.268 ms

Below is generated by plot.py at 2019-08-26 20:01:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.48 Mbit/s
95th percentile per-packet one-way delay: 3.259 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.48 Mbit/s
95th percentile per-packet one-way delay: 3.259 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

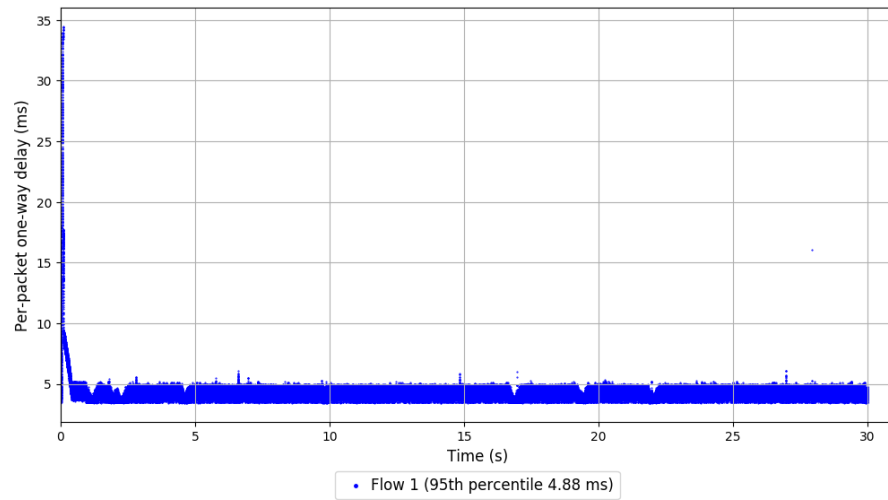
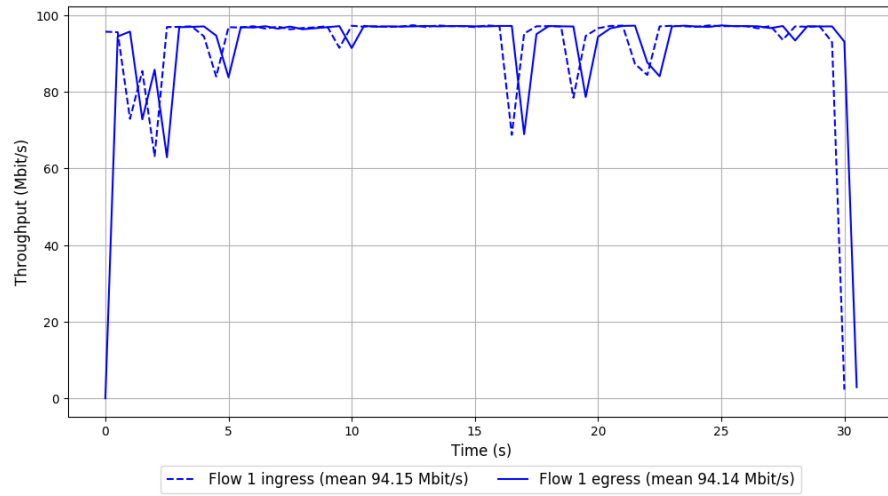


Run 4: Statistics of TCP Vegas

Start at: 2019-08-26 19:21:24
End at: 2019-08-26 19:21:54
Local clock offset: -6.779 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2019-08-26 20:01:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.14 Mbit/s
95th percentile per-packet one-way delay: 4.883 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 94.14 Mbit/s
95th percentile per-packet one-way delay: 4.883 ms
Loss rate: 0.01%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2019-08-26 19:48:02

End at: 2019-08-26 19:48:32

Local clock offset: -3.089 ms

Remote clock offset: -0.17 ms

Below is generated by plot.py at 2019-08-26 20:01:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.94 Mbit/s

95th percentile per-packet one-way delay: 3.560 ms

Loss rate: 0.00%

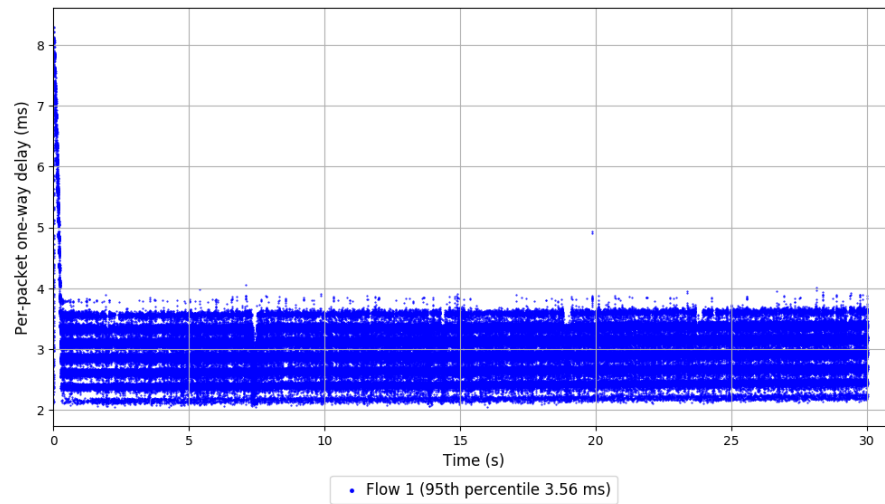
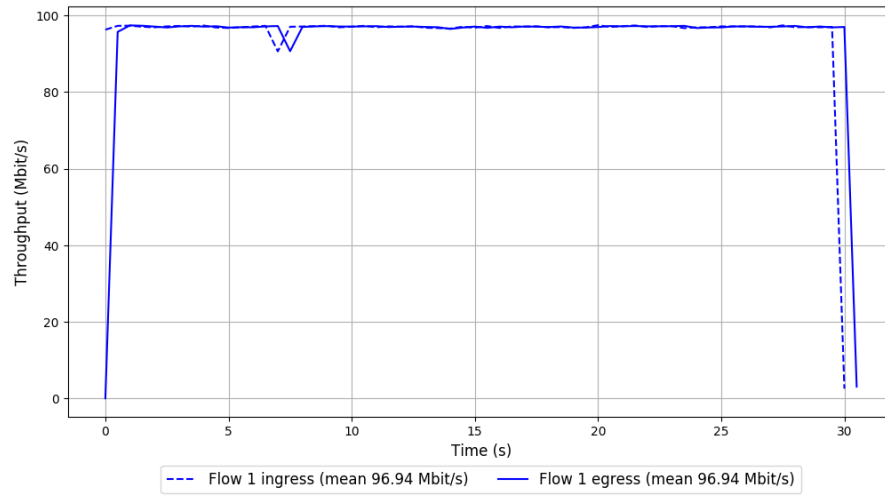
-- Flow 1:

Average throughput: 96.94 Mbit/s

95th percentile per-packet one-way delay: 3.560 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2019-08-26 17:51:13

End at: 2019-08-26 17:51:44

Local clock offset: -4.704 ms

Remote clock offset: 0.769 ms

Below is generated by plot.py at 2019-08-26 20:01:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.34 Mbit/s

95th percentile per-packet one-way delay: 10.385 ms

Loss rate: 0.88%

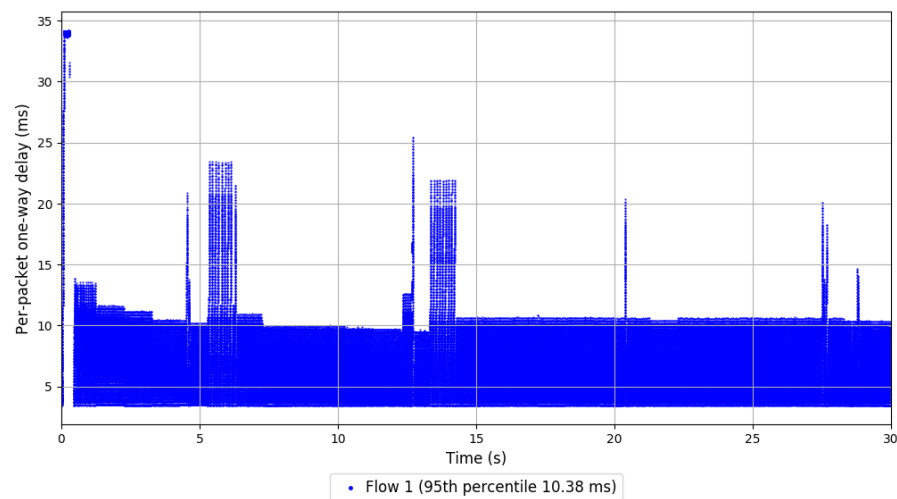
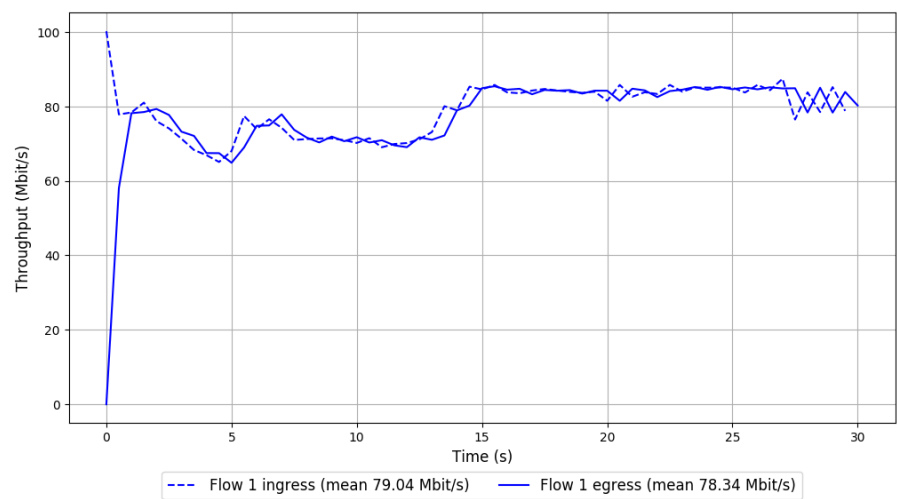
-- Flow 1:

Average throughput: 78.34 Mbit/s

95th percentile per-packet one-way delay: 10.385 ms

Loss rate: 0.88%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2019-08-26 18:17:58

End at: 2019-08-26 18:18:28

Local clock offset: -4.829 ms

Remote clock offset: 0.775 ms

Below is generated by plot.py at 2019-08-26 20:01:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.84 Mbit/s

95th percentile per-packet one-way delay: 9.249 ms

Loss rate: 0.87%

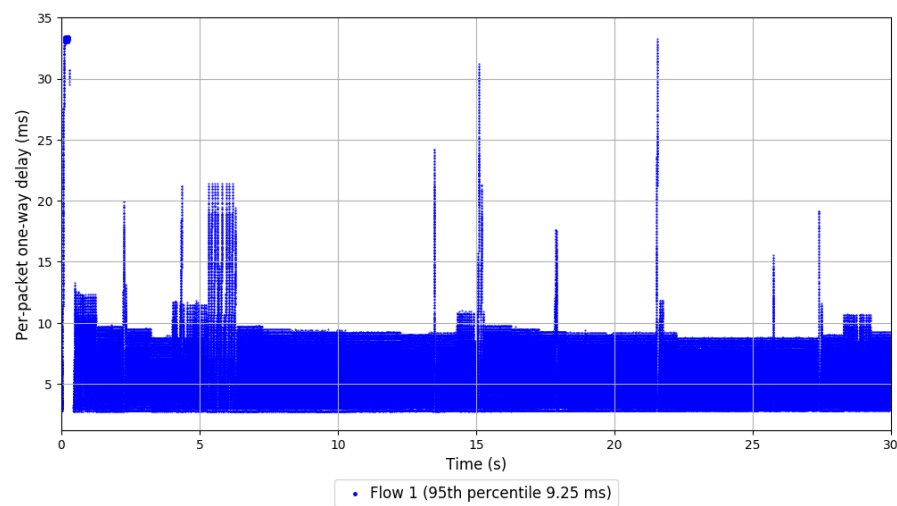
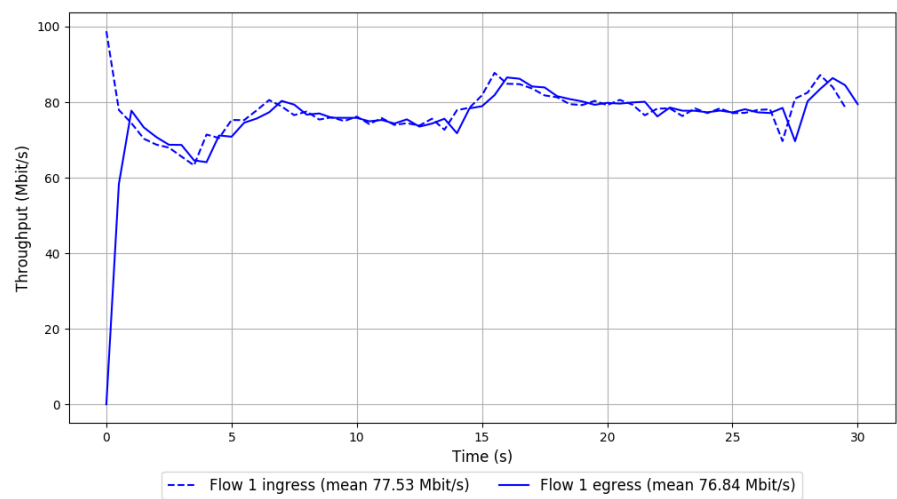
-- Flow 1:

Average throughput: 76.84 Mbit/s

95th percentile per-packet one-way delay: 9.249 ms

Loss rate: 0.87%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2019-08-26 18:44:40

End at: 2019-08-26 18:45:10

Local clock offset: -5.422 ms

Remote clock offset: 0.503 ms

Below is generated by plot.py at 2019-08-26 20:01:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.27 Mbit/s

95th percentile per-packet one-way delay: 10.869 ms

Loss rate: 1.00%

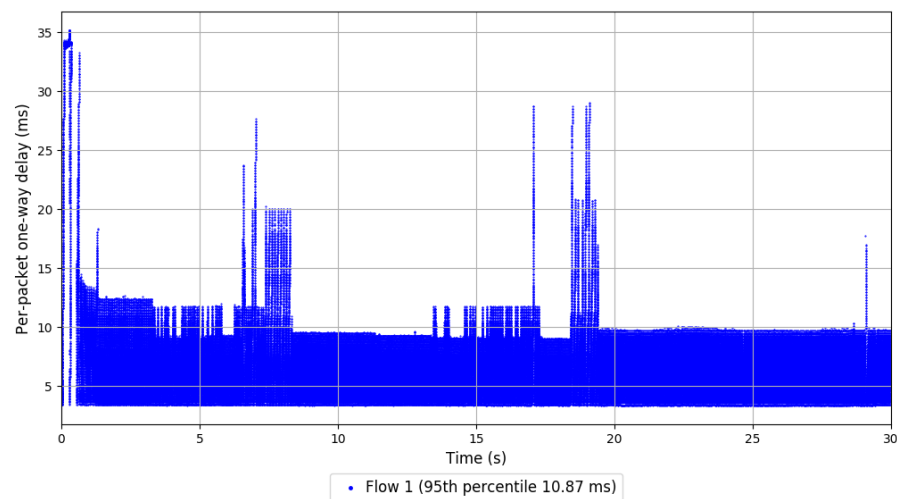
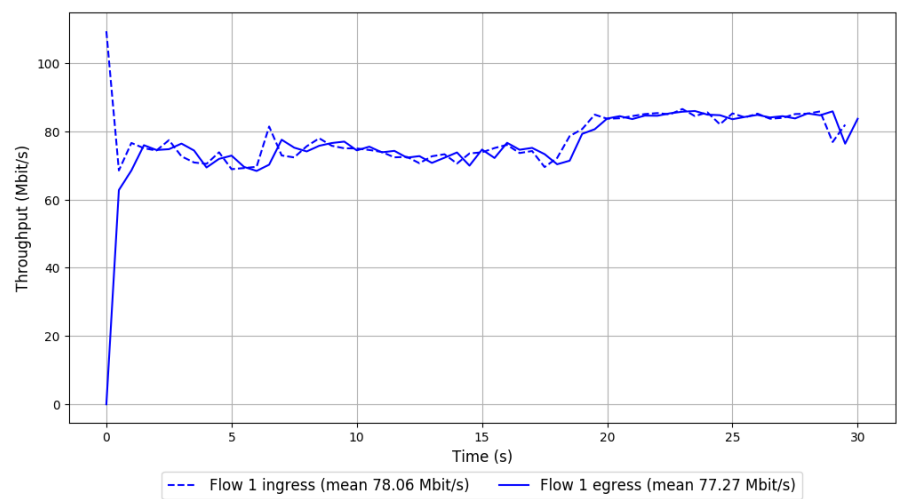
-- Flow 1:

Average throughput: 77.27 Mbit/s

95th percentile per-packet one-way delay: 10.869 ms

Loss rate: 1.00%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2019-08-26 19:11:21

End at: 2019-08-26 19:11:51

Local clock offset: -6.283 ms

Remote clock offset: 0.044 ms

Below is generated by plot.py at 2019-08-26 20:01:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.71 Mbit/s

95th percentile per-packet one-way delay: 10.147 ms

Loss rate: 0.86%

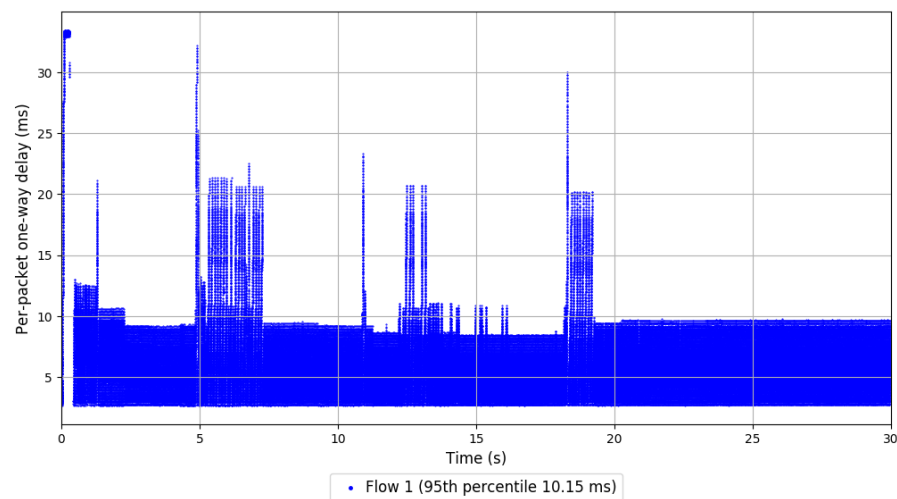
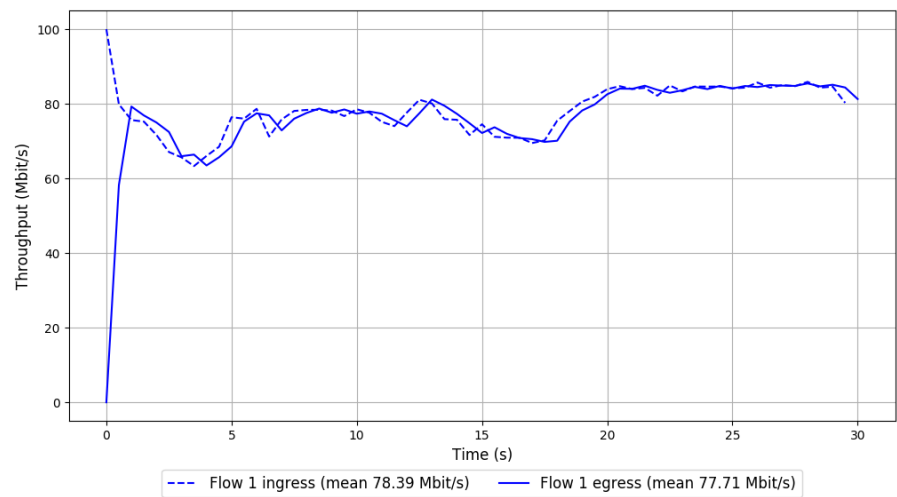
-- Flow 1:

Average throughput: 77.71 Mbit/s

95th percentile per-packet one-way delay: 10.147 ms

Loss rate: 0.86%

Run 4: Report of Verus — Data Link

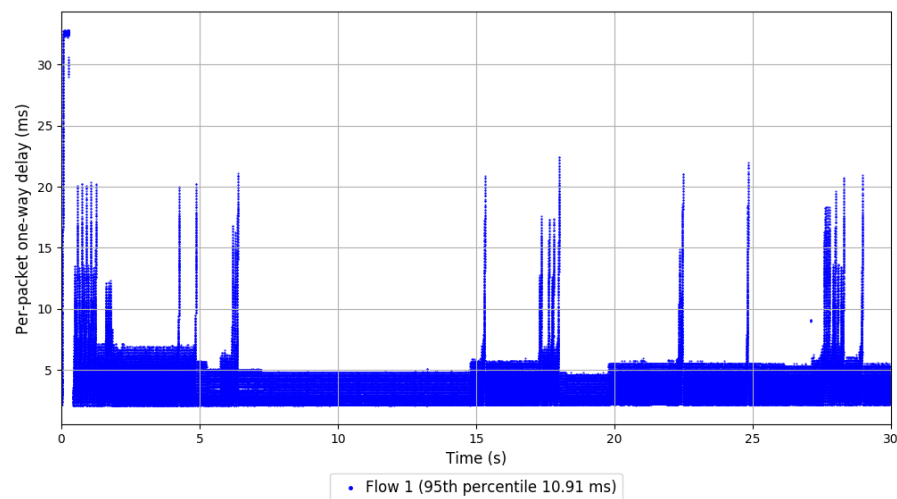
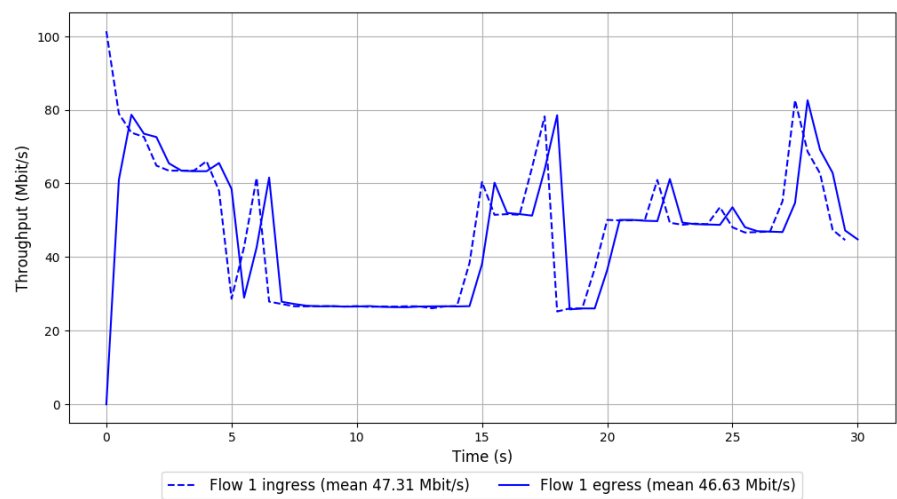


Run 5: Statistics of Verus

Start at: 2019-08-26 19:38:02
End at: 2019-08-26 19:38:32
Local clock offset: -4.549 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2019-08-26 20:01:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 46.63 Mbit/s
95th percentile per-packet one-way delay: 10.911 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 46.63 Mbit/s
95th percentile per-packet one-way delay: 10.911 ms
Loss rate: 1.42%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-08-26 17:53:27

End at: 2019-08-26 17:53:57

Local clock offset: -4.686 ms

Remote clock offset: 0.764 ms

Below is generated by plot.py at 2019-08-26 20:02:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.50 Mbit/s

95th percentile per-packet one-way delay: 2.150 ms

Loss rate: 0.00%

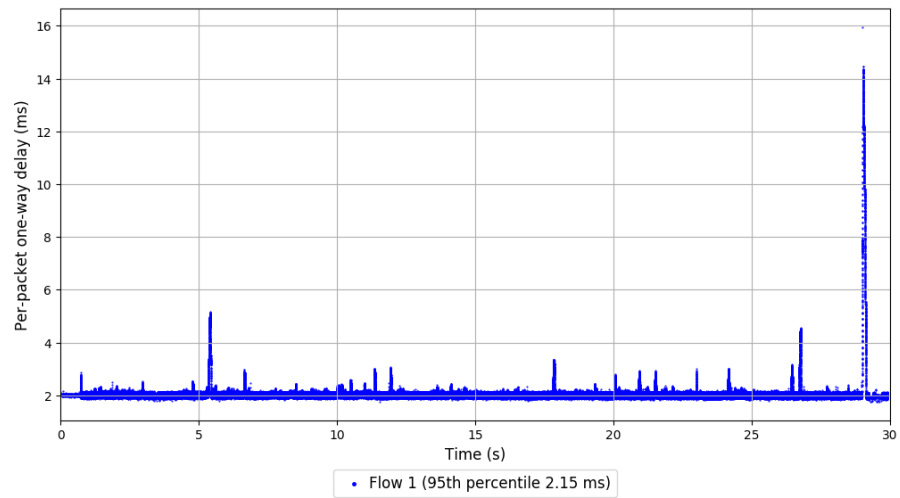
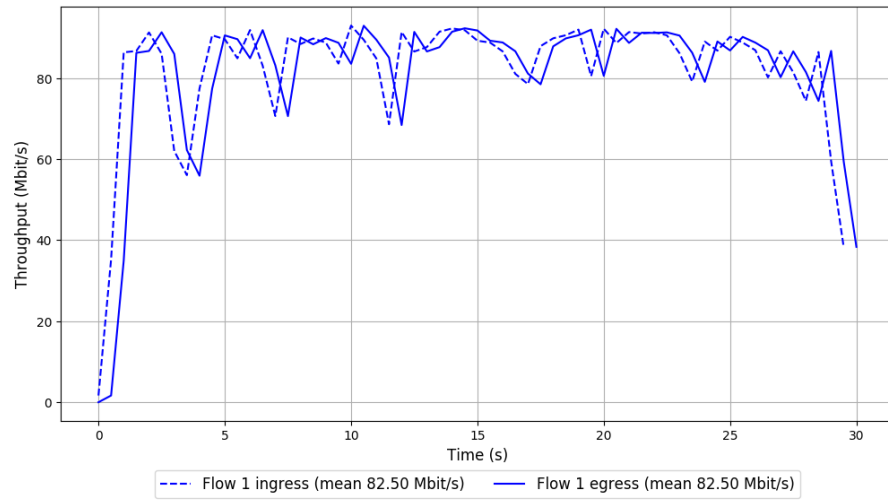
-- Flow 1:

Average throughput: 82.50 Mbit/s

95th percentile per-packet one-way delay: 2.150 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-08-26 18:20:11

End at: 2019-08-26 18:20:41

Local clock offset: -5.313 ms

Remote clock offset: 0.781 ms

Below is generated by plot.py at 2019-08-26 20:02:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.35 Mbit/s

95th percentile per-packet one-way delay: 2.327 ms

Loss rate: 0.00%

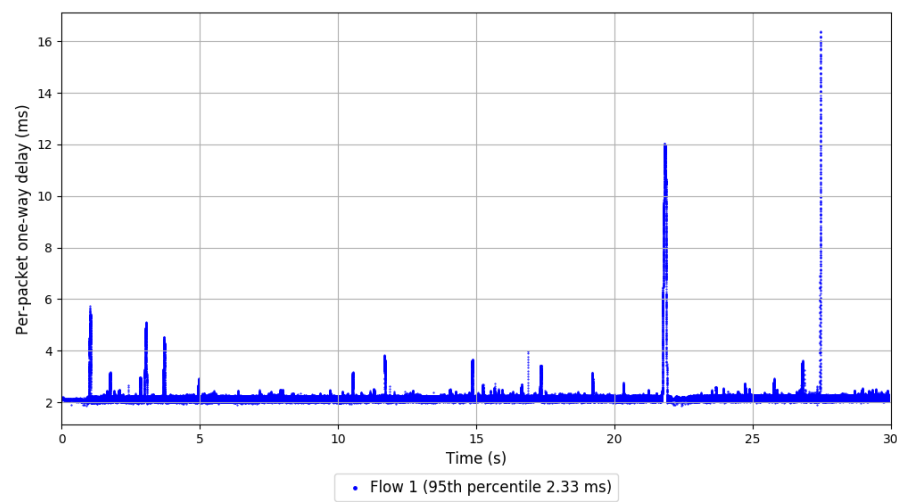
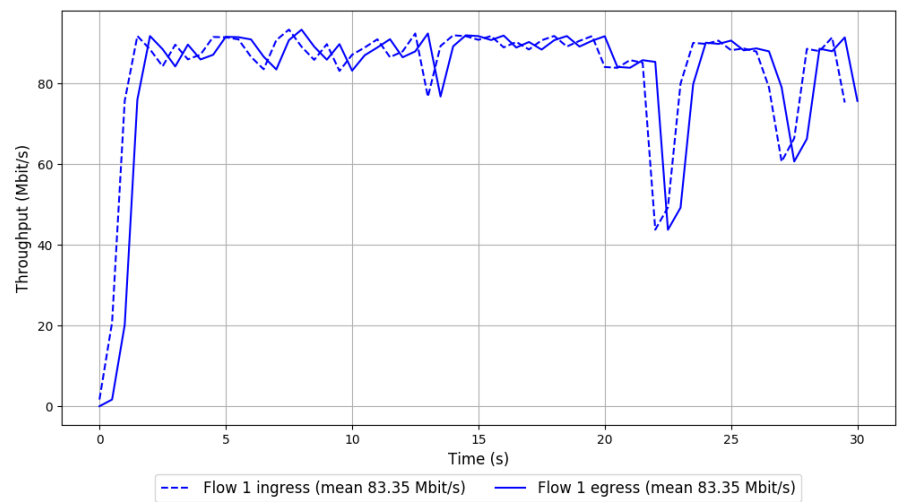
-- Flow 1:

Average throughput: 83.35 Mbit/s

95th percentile per-packet one-way delay: 2.327 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-08-26 18:46:53

End at: 2019-08-26 18:47:23

Local clock offset: -4.817 ms

Remote clock offset: 0.389 ms

Below is generated by plot.py at 2019-08-26 20:02:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.44 Mbit/s

95th percentile per-packet one-way delay: 2.818 ms

Loss rate: 0.00%

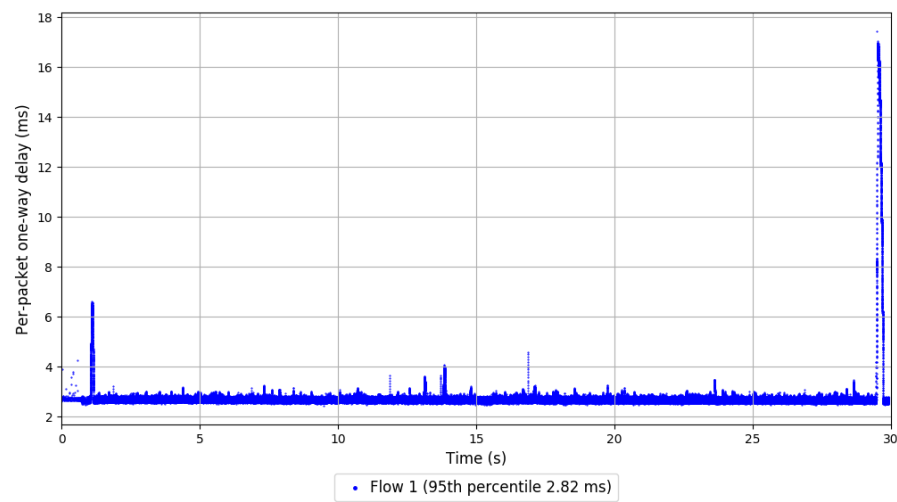
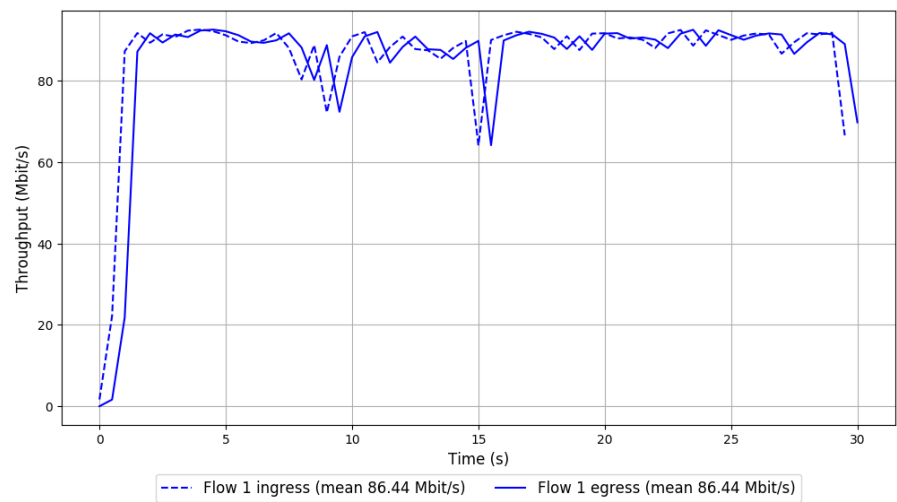
-- Flow 1:

Average throughput: 86.44 Mbit/s

95th percentile per-packet one-way delay: 2.818 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-08-26 19:13:34

End at: 2019-08-26 19:14:04

Local clock offset: -6.145 ms

Remote clock offset: 0.081 ms

Below is generated by plot.py at 2019-08-26 20:02:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.39 Mbit/s

95th percentile per-packet one-way delay: 1.507 ms

Loss rate: 0.00%

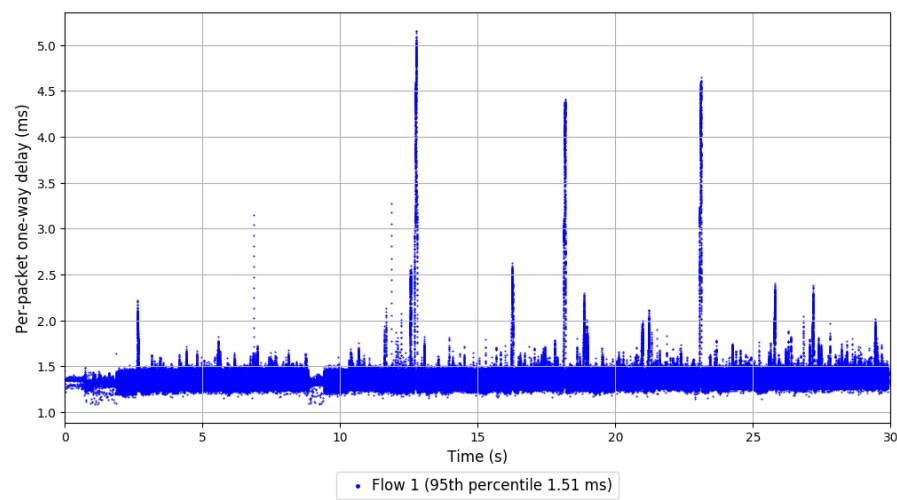
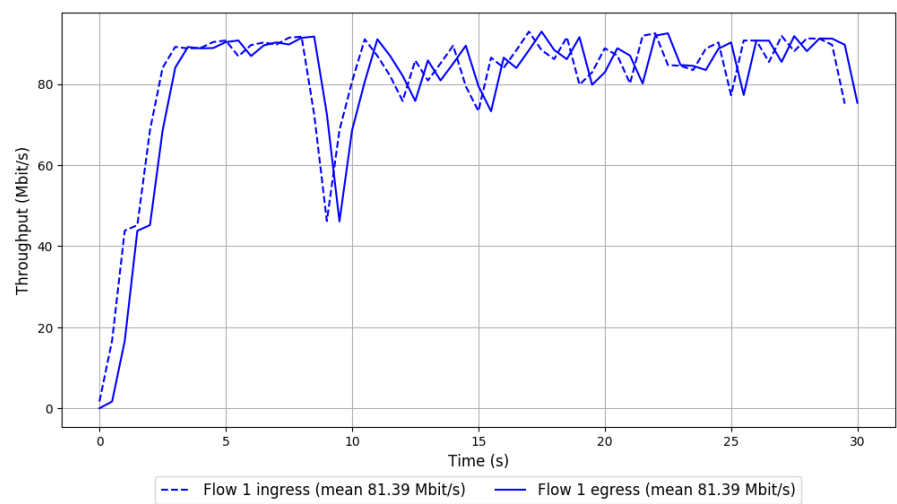
-- Flow 1:

Average throughput: 81.39 Mbit/s

95th percentile per-packet one-way delay: 1.507 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-08-26 19:40:13

End at: 2019-08-26 19:40:43

Local clock offset: -4.16 ms

Remote clock offset: -0.126 ms

Below is generated by plot.py at 2019-08-26 20:02:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.05 Mbit/s

95th percentile per-packet one-way delay: 2.320 ms

Loss rate: 0.00%

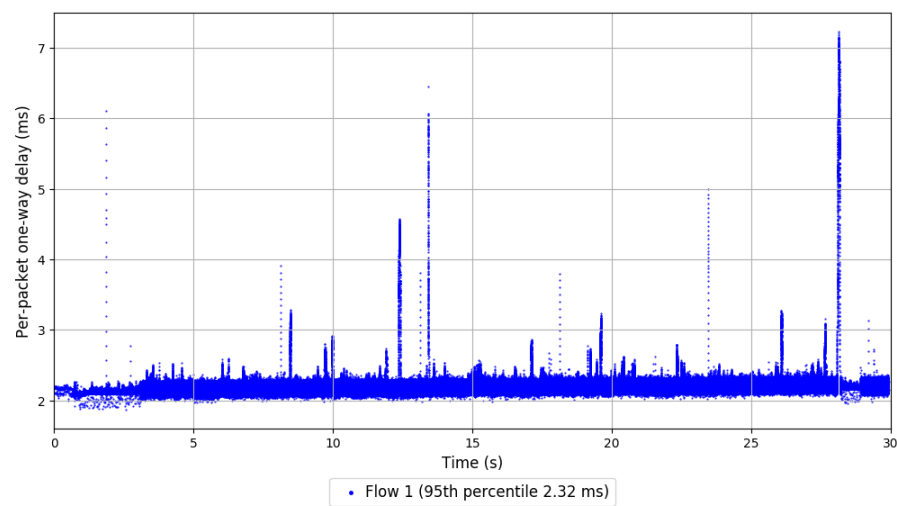
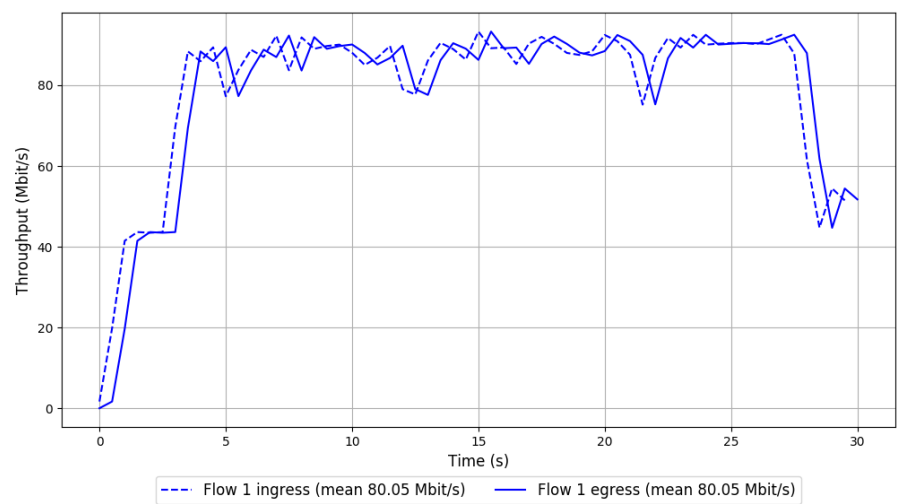
-- Flow 1:

Average throughput: 80.05 Mbit/s

95th percentile per-packet one-way delay: 2.320 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2019-08-26 18:02:24

End at: 2019-08-26 18:02:54

Local clock offset: -5.265 ms

Remote clock offset: 0.745 ms

Below is generated by plot.py at 2019-08-26 20:02:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 4.874 ms

Loss rate: 0.00%

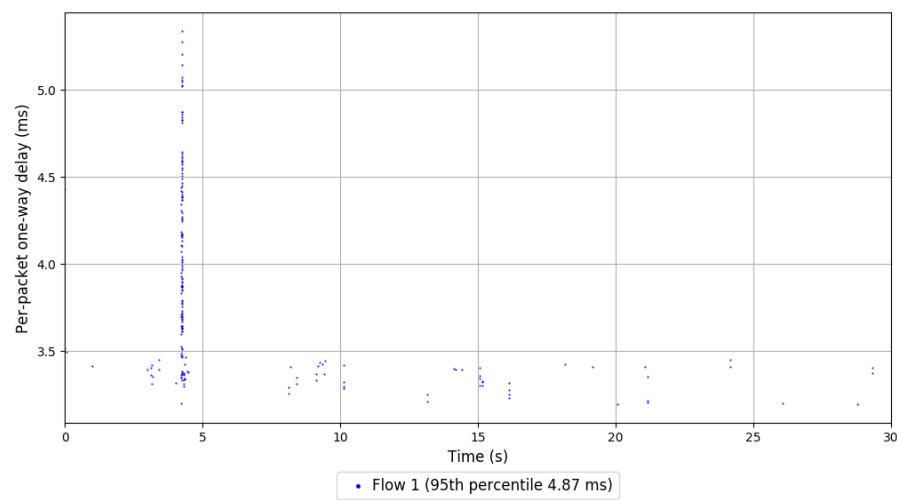
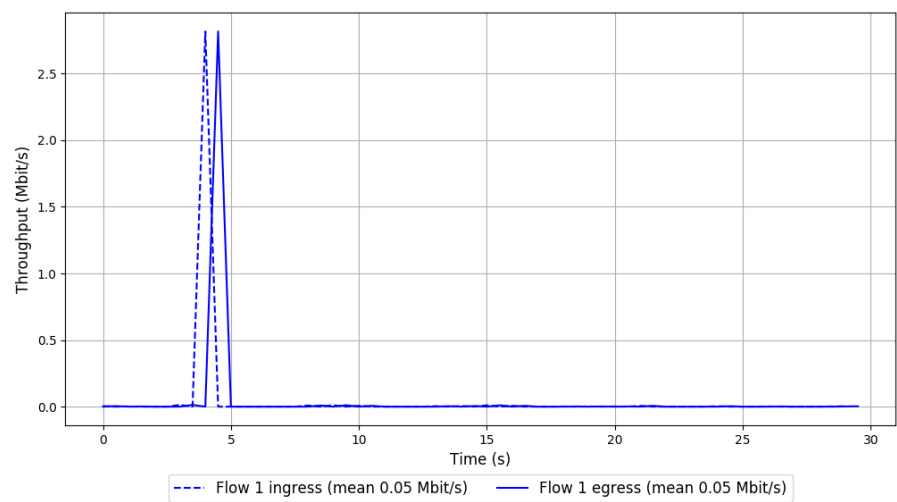
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 4.874 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2019-08-26 18:29:09

End at: 2019-08-26 18:29:39

Local clock offset: -4.085 ms

Remote clock offset: 0.676 ms

Below is generated by plot.py at 2019-08-26 20:02:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 4.448 ms

Loss rate: 0.00%

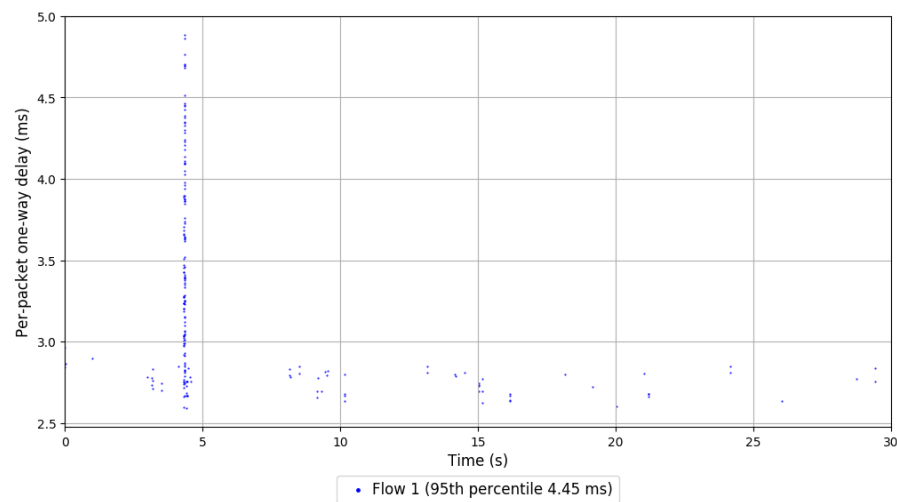
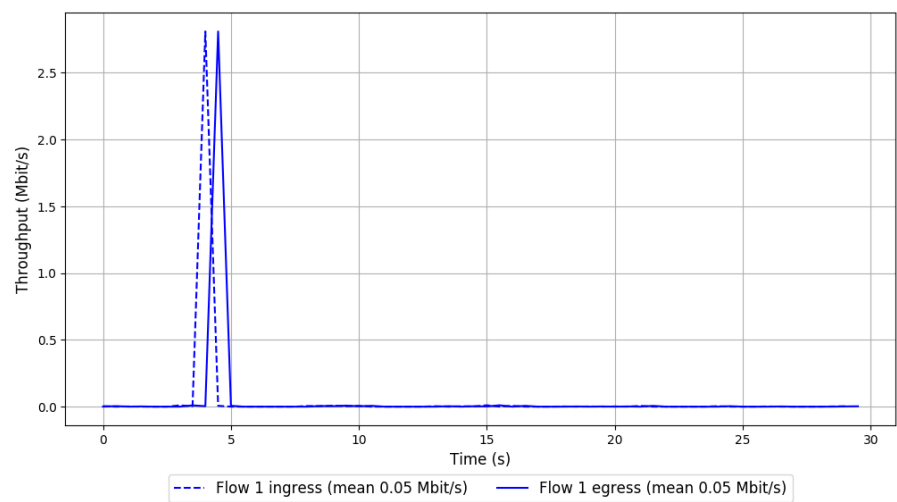
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 4.448 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-08-26 18:55:51

End at: 2019-08-26 18:56:21

Local clock offset: -6.4 ms

Remote clock offset: 0.328 ms

Below is generated by plot.py at 2019-08-26 20:02:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 4.438 ms

Loss rate: 0.00%

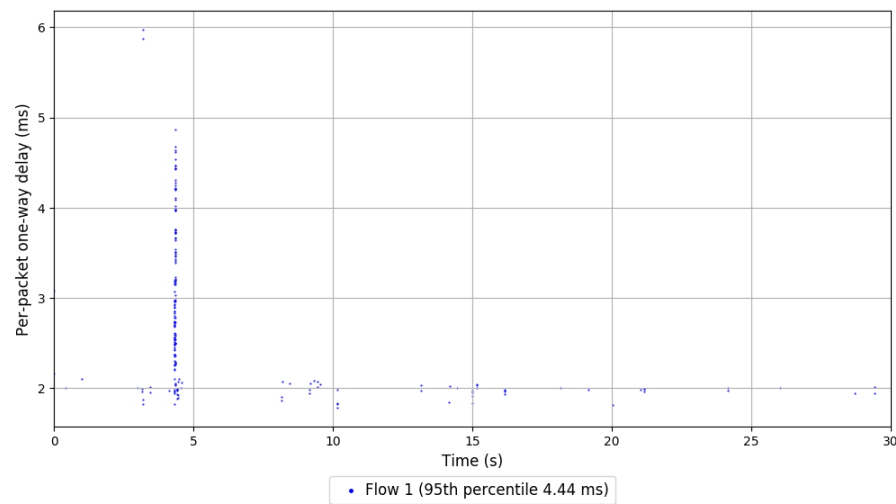
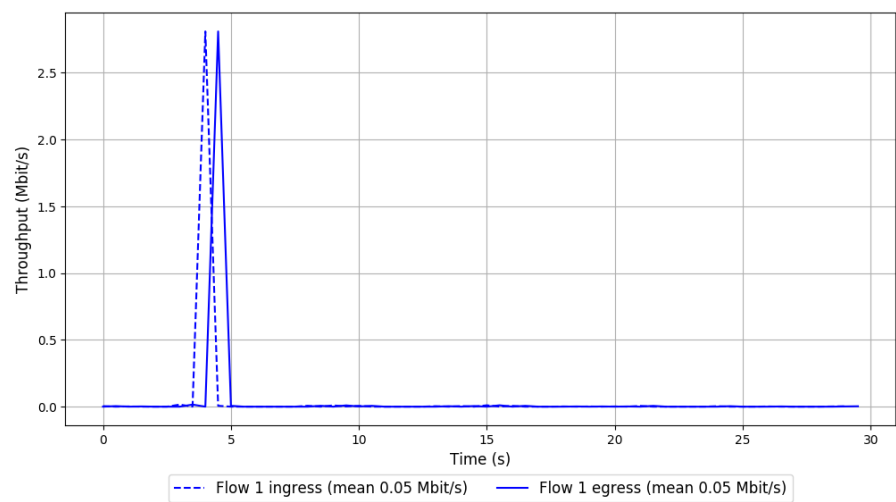
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 4.438 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-08-26 19:22:32

End at: 2019-08-26 19:23:02

Local clock offset: -5.925 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2019-08-26 20:02:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 3.940 ms

Loss rate: 0.00%

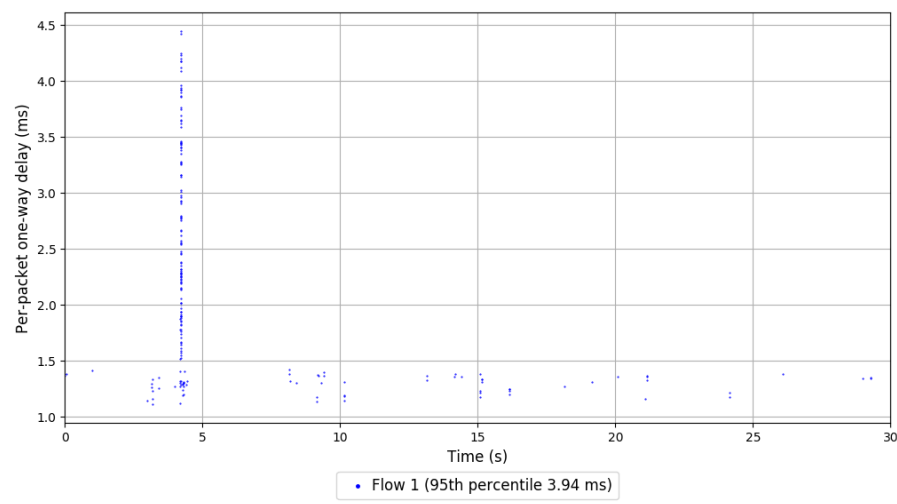
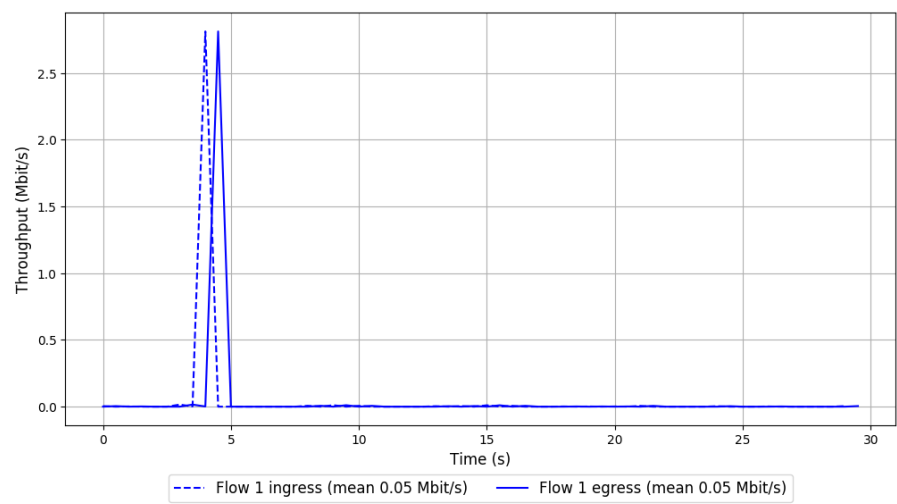
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 3.940 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-08-26 19:49:10
End at: 2019-08-26 19:49:40
Local clock offset: -2.191 ms
Remote clock offset: -0.198 ms

Below is generated by plot.py at 2019-08-26 20:02:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 3.429 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 3.429 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

