

Pantheon Report

Generated at 2019-07-17 20:50:48 (UTC).

Data path: AWS California 1 on `ens5` (*local*) → Stanford on `eno1` (*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 `time.stanford.edu` and have been applied to correct the timestamps in logs.

System info:

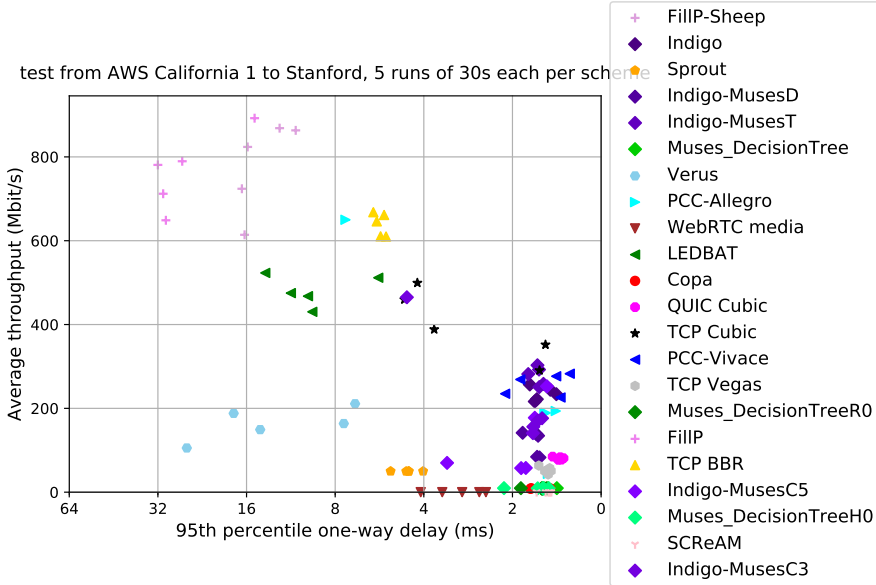
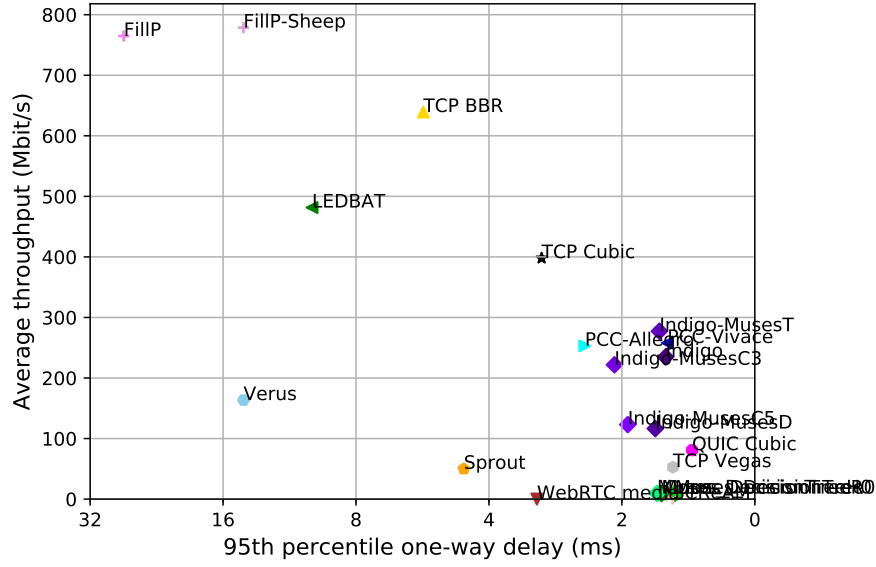
```
Linux 4.15.0-1043-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

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 California 1 to Stanford, 5 runs of 30s each per scheme
(mean of all runs by scheme)



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	639.25	5.63	0.19
Copa	5	8.65	1.35	43.53
TCP Cubic	5	397.94	3.04	0.15
FillP	5	764.74	26.85	3.34
FillP-Sheep	5	778.74	14.39	2.81
Indigo	5	234.66	1.34	0.14
Indigo-MusesC3	5	221.83	2.08	0.11
Indigo-MusesC5	5	123.04	1.91	0.19
Indigo-MusesD	5	116.48	1.50	0.12
Indigo-MusesT	5	277.31	1.44	0.12
LEDBAT	5	481.54	10.06	0.13
Muses_DecisionTree	5	9.18	1.20	0.10
Muses_DecisionTreeH0	5	9.39	1.47	0.11
Muses_DecisionTreeR0	5	9.08	1.40	0.12
PCC-Allegro	5	253.09	2.43	0.19
PCC-Expr	0	N/A	N/A	N/A
QUIC Cubic	5	80.83	0.94	0.14
SCReAM	5	0.17	1.24	0.22
Sprout	5	49.91	4.56	0.20
TaoVA-100x	0	N/A	N/A	N/A
TCP Vegas	5	52.78	1.23	0.14
Verus	5	163.51	14.39	0.63
PCC-Vivace	5	257.79	1.32	0.16
WebRTC media	5	0.05	3.12	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-07-17 17:54:27

End at: 2019-07-17 17:54:57

Local clock offset: 9.686 ms

Remote clock offset: -1.096 ms

Below is generated by plot.py at 2019-07-17 20:18:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 610.07 Mbit/s

95th percentile per-packet one-way delay: 5.375 ms

Loss rate: 0.17%

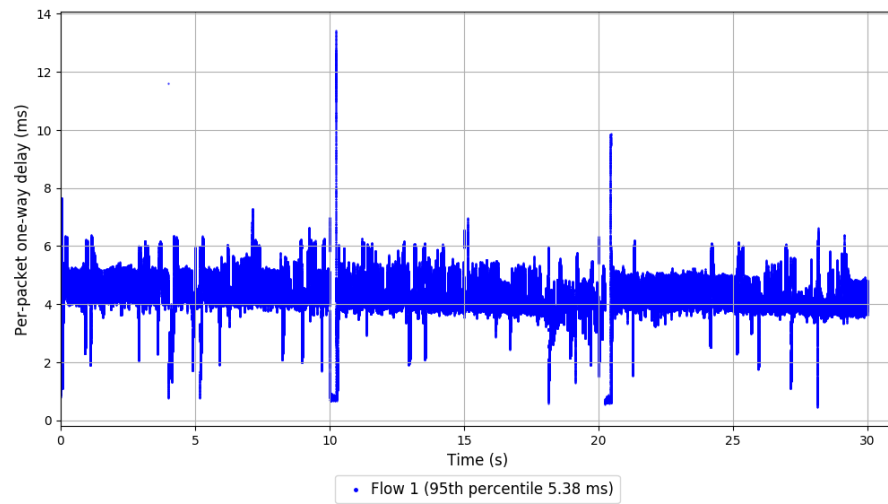
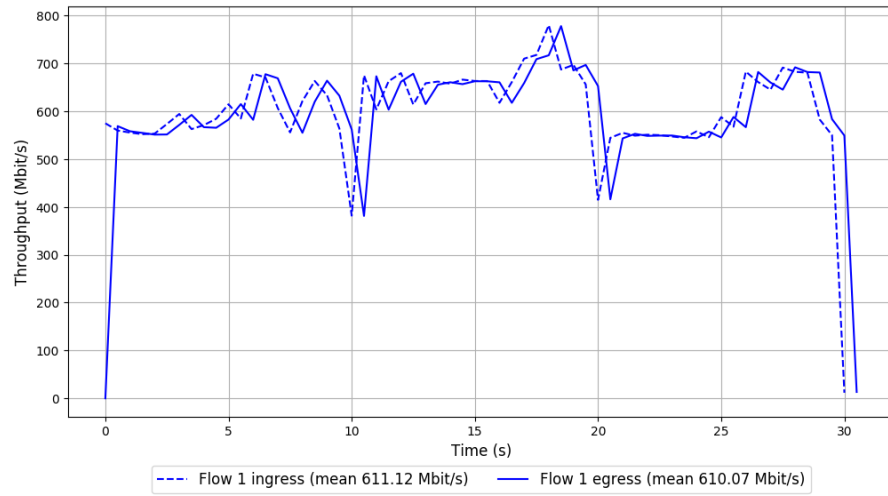
-- Flow 1:

Average throughput: 610.07 Mbit/s

95th percentile per-packet one-way delay: 5.375 ms

Loss rate: 0.17%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-07-17 18:26:35

End at: 2019-07-17 18:27:05

Local clock offset: 8.445 ms

Remote clock offset: 4.458 ms

Below is generated by plot.py at 2019-07-17 20:18:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 610.50 Mbit/s

95th percentile per-packet one-way delay: 5.610 ms

Loss rate: 0.15%

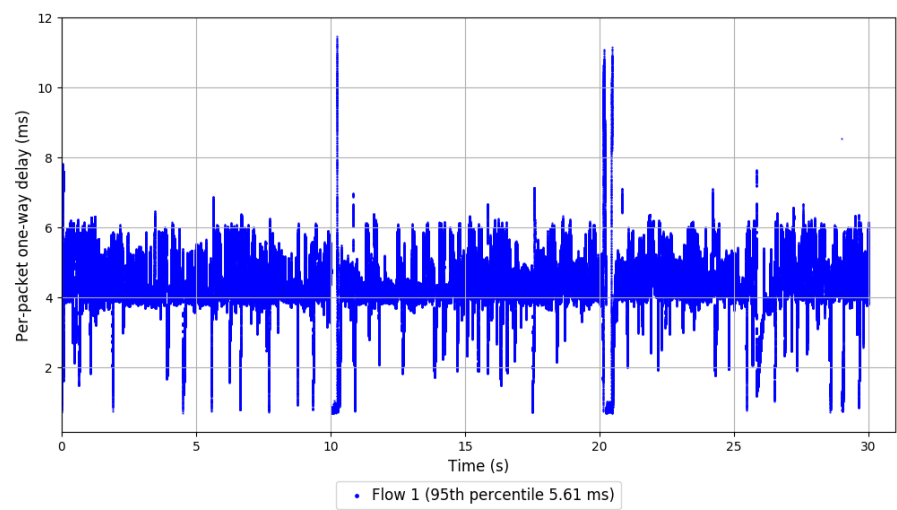
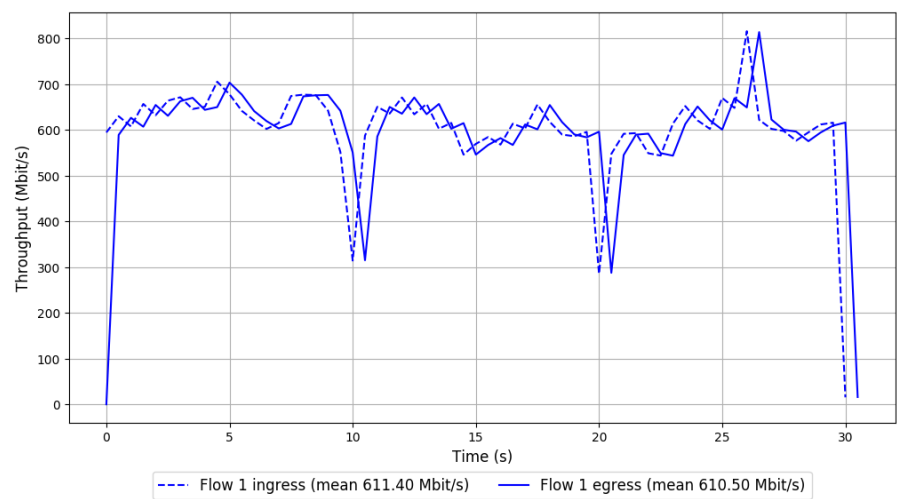
-- Flow 1:

Average throughput: 610.50 Mbit/s

95th percentile per-packet one-way delay: 5.610 ms

Loss rate: 0.15%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-07-17 18:58:40

End at: 2019-07-17 18:59:10

Local clock offset: 7.248 ms

Remote clock offset: 2.79 ms

Below is generated by plot.py at 2019-07-17 20:18:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 668.03 Mbit/s

95th percentile per-packet one-way delay: 5.936 ms

Loss rate: 0.27%

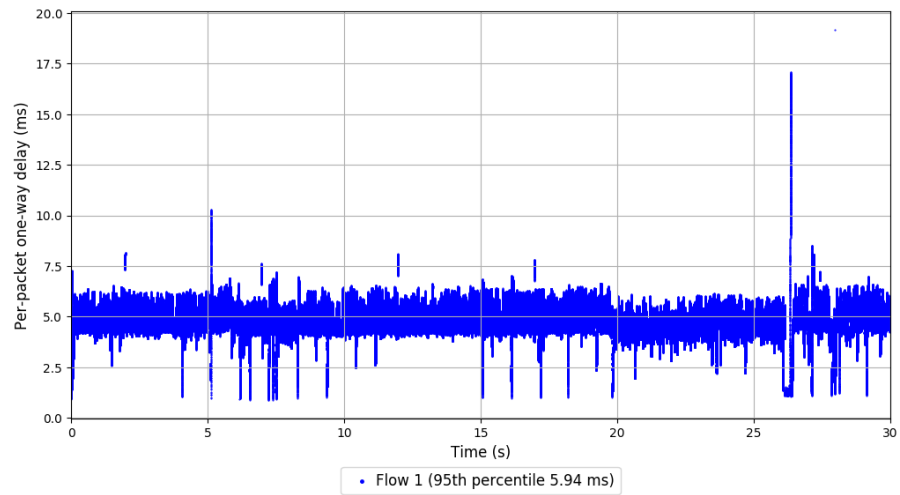
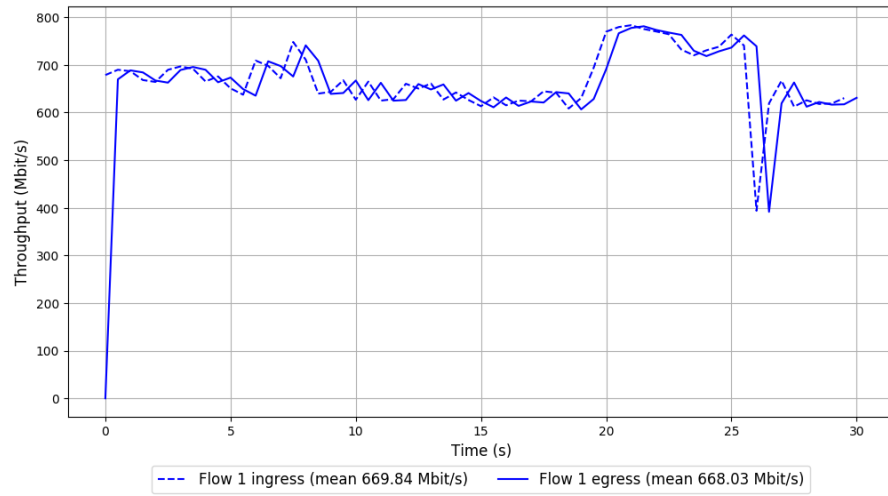
-- Flow 1:

Average throughput: 668.03 Mbit/s

95th percentile per-packet one-way delay: 5.936 ms

Loss rate: 0.27%

Run 3: Report of TCP BBR — Data Link

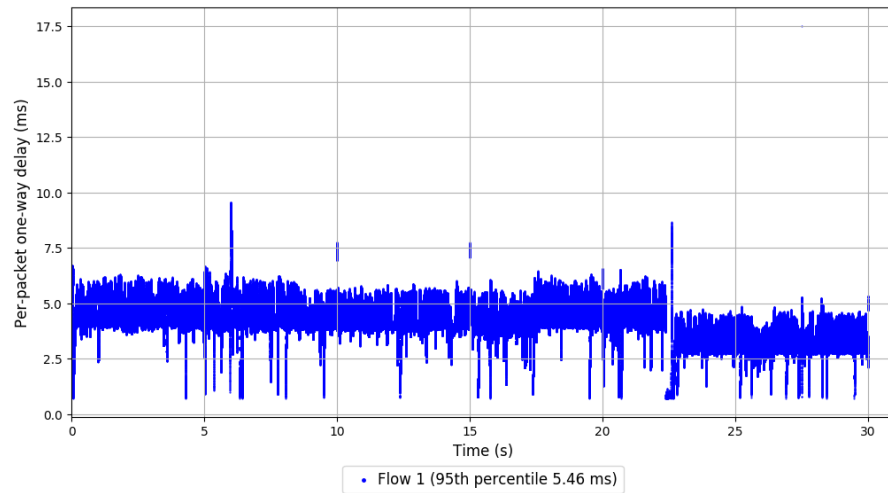
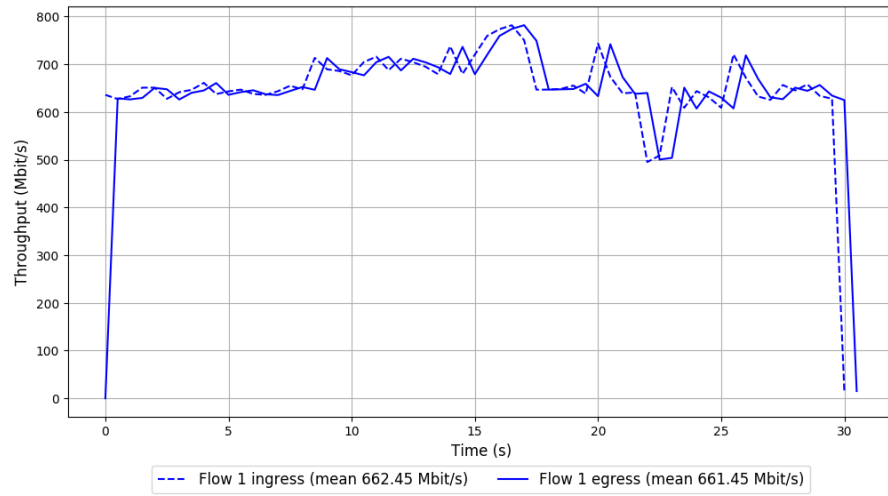


Run 4: Statistics of TCP BBR

Start at: 2019-07-17 19:30:51
End at: 2019-07-17 19:31:21
Local clock offset: 6.704 ms
Remote clock offset: -5.018 ms

Below is generated by plot.py at 2019-07-17 20:18:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 661.45 Mbit/s
95th percentile per-packet one-way delay: 5.457 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 661.45 Mbit/s
95th percentile per-packet one-way delay: 5.457 ms
Loss rate: 0.15%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-07-17 20:02:51

End at: 2019-07-17 20:03:21

Local clock offset: 6.427 ms

Remote clock offset: -7.464 ms

Below is generated by plot.py at 2019-07-17 20:18:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 646.19 Mbit/s

95th percentile per-packet one-way delay: 5.780 ms

Loss rate: 0.23%

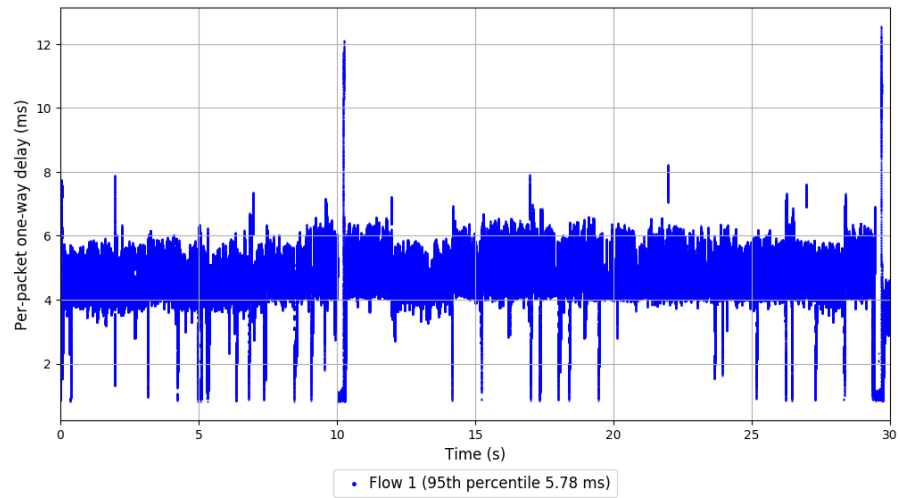
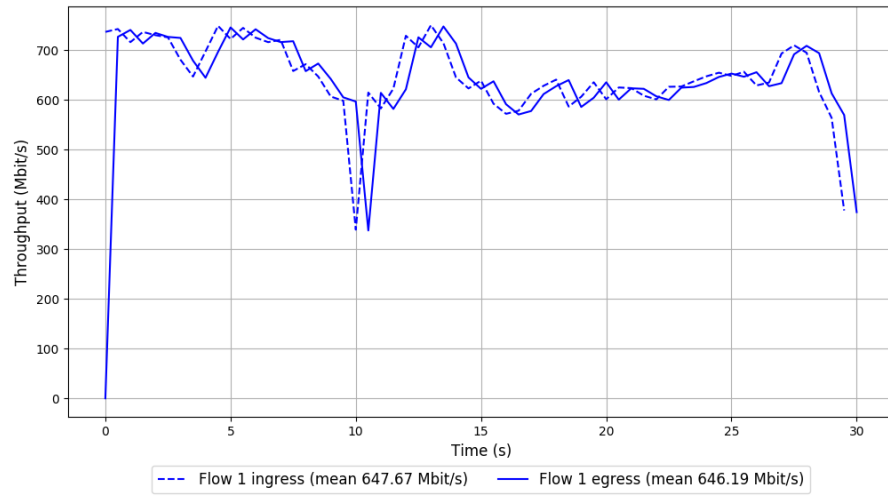
-- Flow 1:

Average throughput: 646.19 Mbit/s

95th percentile per-packet one-way delay: 5.780 ms

Loss rate: 0.23%

Run 5: Report of TCP BBR — Data Link

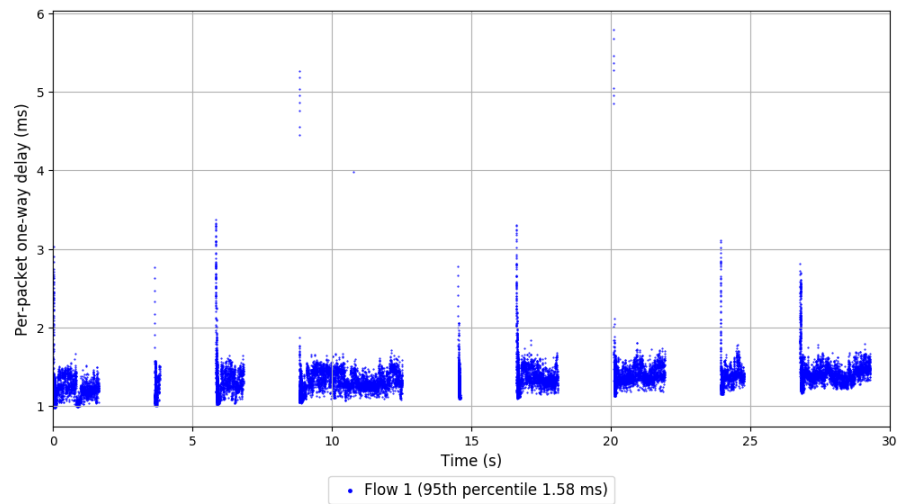
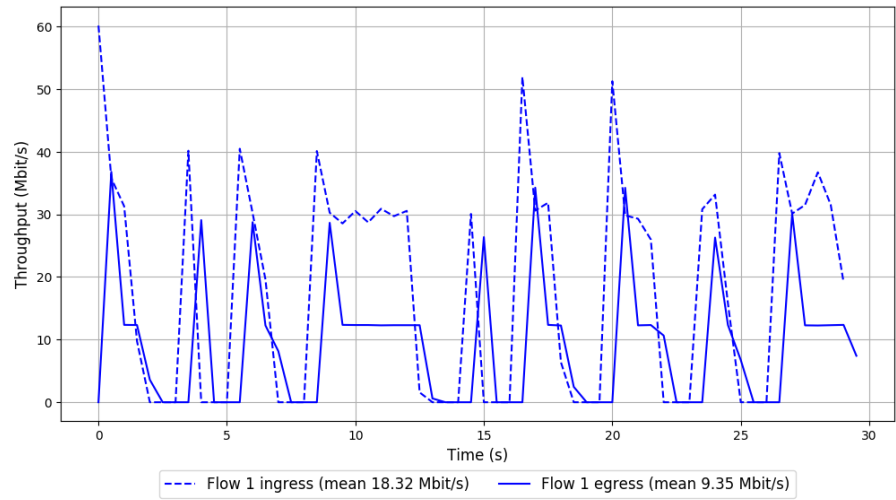


Run 1: Statistics of Copa

Start at: 2019-07-17 17:38:46
End at: 2019-07-17 17:39:16
Local clock offset: 5.816 ms
Remote clock offset: -3.612 ms

Below is generated by plot.py at 2019-07-17 20:18:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.35 Mbit/s
95th percentile per-packet one-way delay: 1.577 ms
Loss rate: 48.98%
-- Flow 1:
Average throughput: 9.35 Mbit/s
95th percentile per-packet one-way delay: 1.577 ms
Loss rate: 48.98%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2019-07-17 18:11:02

End at: 2019-07-17 18:11:32

Local clock offset: 8.217 ms

Remote clock offset: 3.503 ms

Below is generated by plot.py at 2019-07-17 20:18:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.60 Mbit/s

95th percentile per-packet one-way delay: 1.168 ms

Loss rate: 43.12%

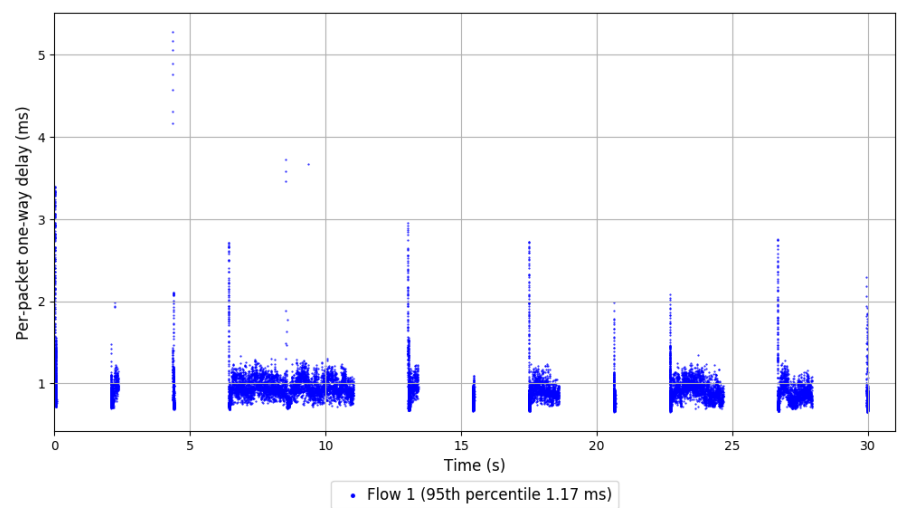
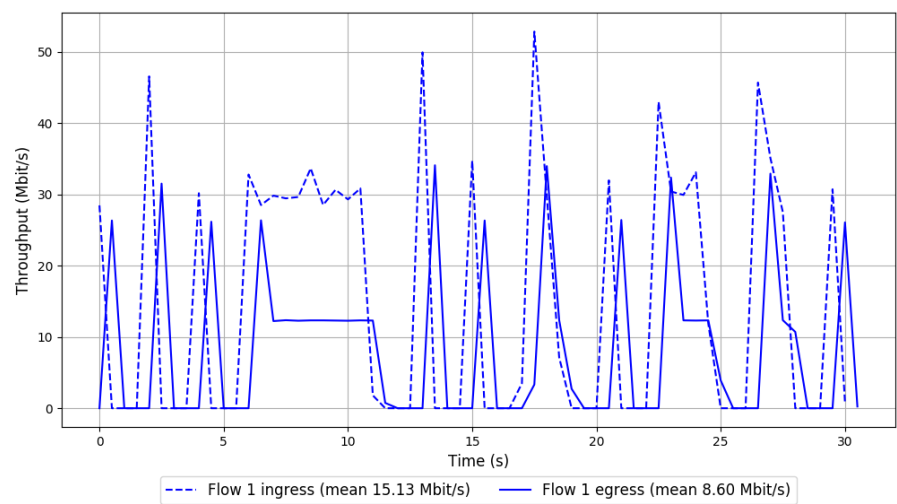
-- Flow 1:

Average throughput: 8.60 Mbit/s

95th percentile per-packet one-way delay: 1.168 ms

Loss rate: 43.12%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2019-07-17 18:43:01

End at: 2019-07-17 18:43:31

Local clock offset: 7.303 ms

Remote clock offset: 3.001 ms

Below is generated by plot.py at 2019-07-17 20:18:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.83 Mbit/s

95th percentile per-packet one-way delay: 1.146 ms

Loss rate: 45.14%

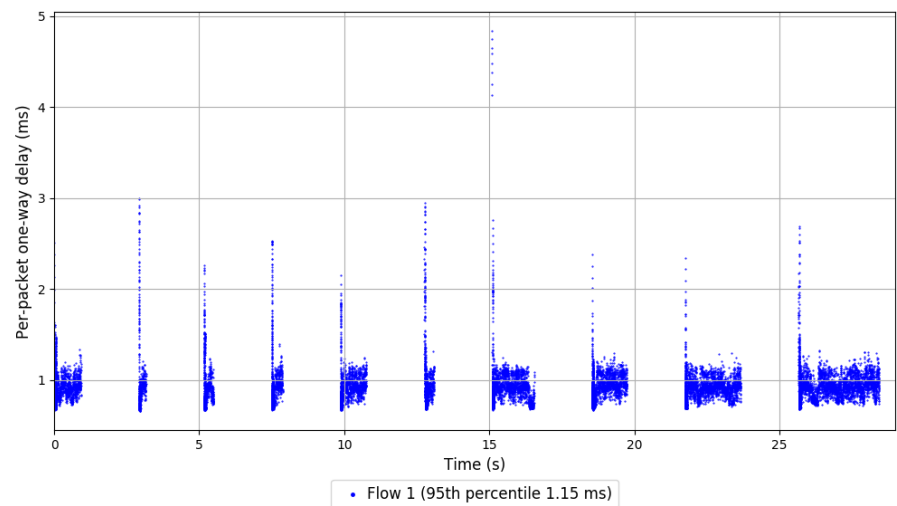
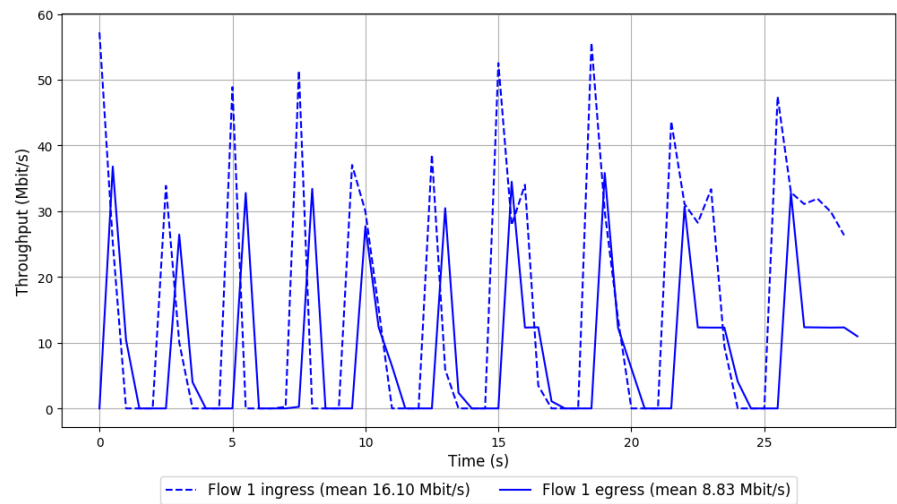
-- Flow 1:

Average throughput: 8.83 Mbit/s

95th percentile per-packet one-way delay: 1.146 ms

Loss rate: 45.14%

Run 3: Report of Copa — Data Link

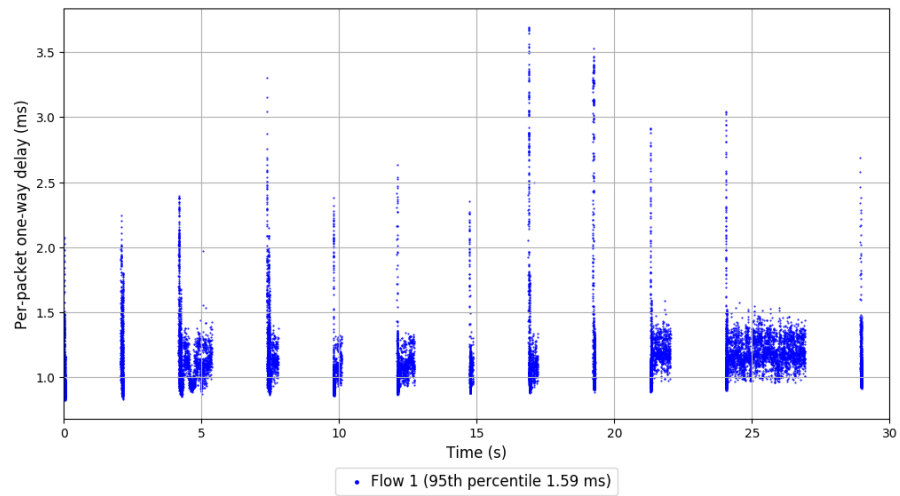
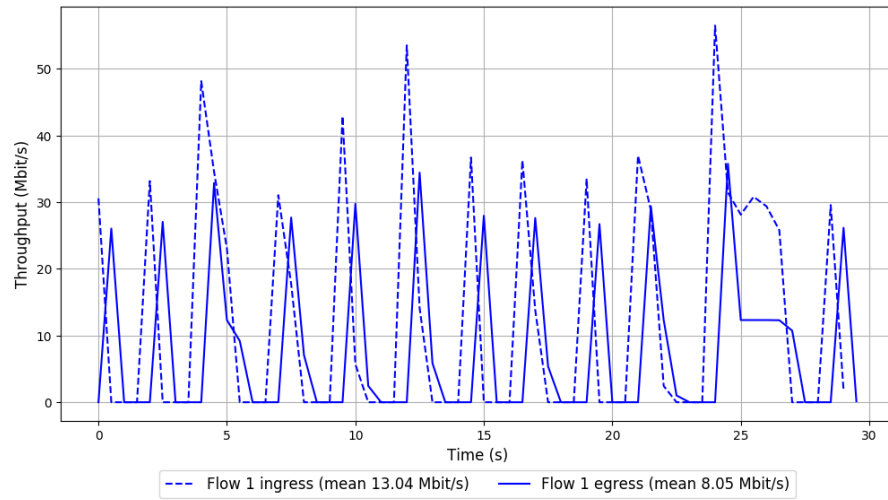


Run 4: Statistics of Copa

Start at: 2019-07-17 19:15:06
End at: 2019-07-17 19:15:36
Local clock offset: 7.084 ms
Remote clock offset: -3.111 ms

Below is generated by plot.py at 2019-07-17 20:18:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 8.05 Mbit/s
95th percentile per-packet one-way delay: 1.593 ms
Loss rate: 38.25%
-- Flow 1:
Average throughput: 8.05 Mbit/s
95th percentile per-packet one-way delay: 1.593 ms
Loss rate: 38.25%

Run 4: Report of Copa — Data Link

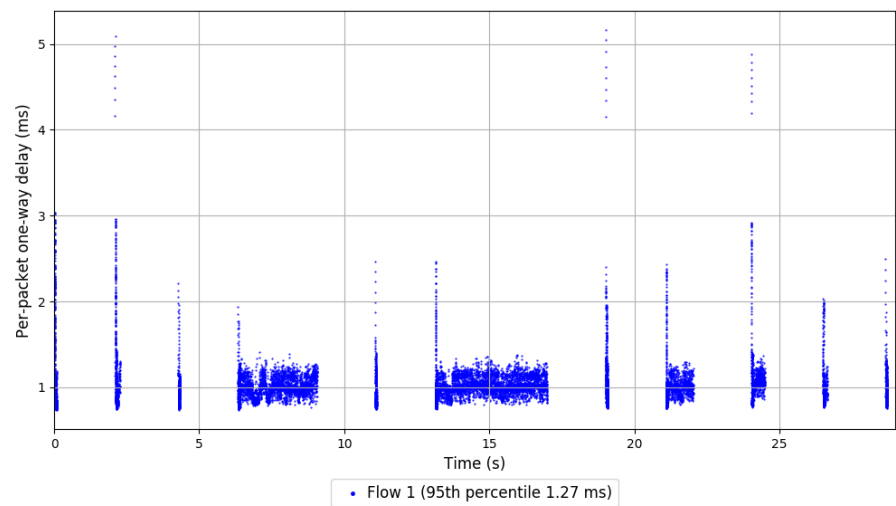
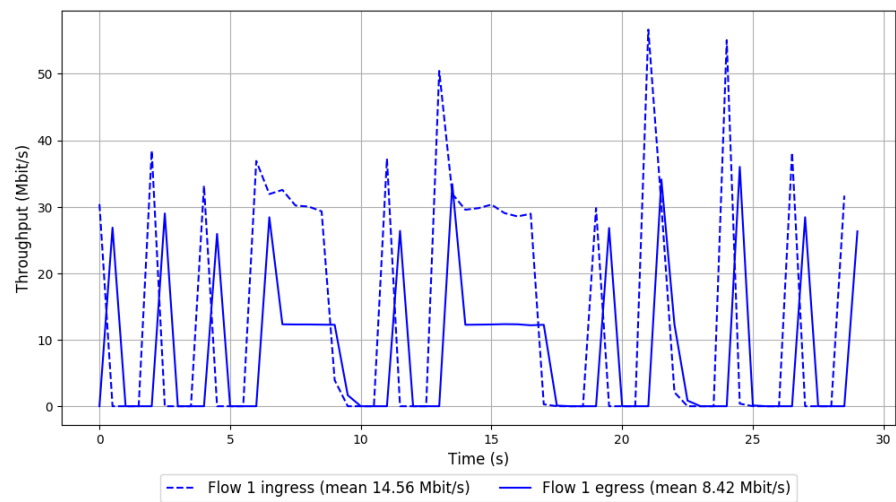


Run 5: Statistics of Copa

Start at: 2019-07-17 19:47:16
End at: 2019-07-17 19:47:46
Local clock offset: 6.328 ms
Remote clock offset: -6.338 ms

Below is generated by plot.py at 2019-07-17 20:18:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 8.42 Mbit/s
95th percentile per-packet one-way delay: 1.271 ms
Loss rate: 42.17%
-- Flow 1:
Average throughput: 8.42 Mbit/s
95th percentile per-packet one-way delay: 1.271 ms
Loss rate: 42.17%

Run 5: Report of Copa — Data Link

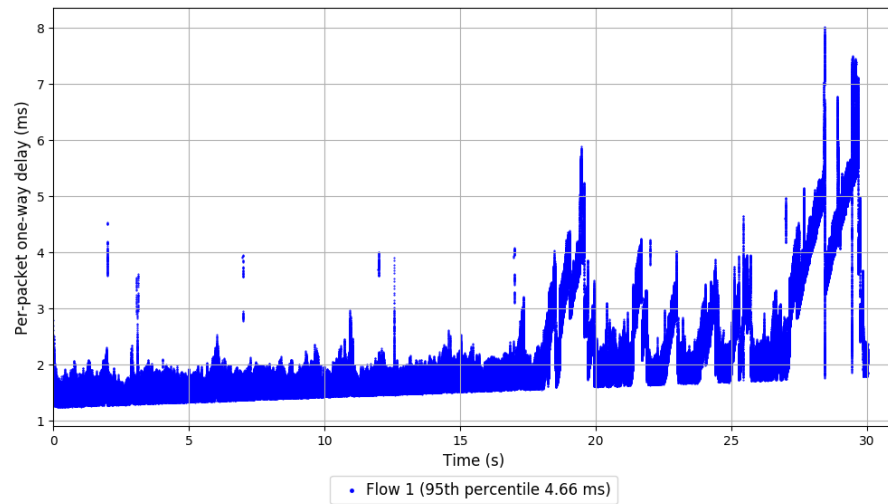
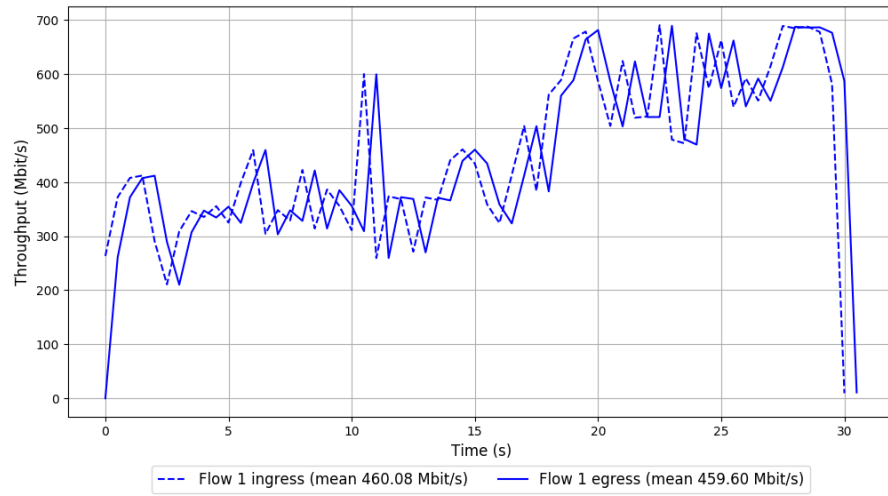


Run 1: Statistics of TCP Cubic

Start at: 2019-07-17 17:29:07
End at: 2019-07-17 17:29:37
Local clock offset: -0.721 ms
Remote clock offset: -2.953 ms

Below is generated by plot.py at 2019-07-17 20:18:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 459.60 Mbit/s
95th percentile per-packet one-way delay: 4.659 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 459.60 Mbit/s
95th percentile per-packet one-way delay: 4.659 ms
Loss rate: 0.10%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2019-07-17 18:01:34

End at: 2019-07-17 18:02:04

Local clock offset: 8.624 ms

Remote clock offset: 1.724 ms

Below is generated by plot.py at 2019-07-17 20:18:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 388.34 Mbit/s

95th percentile per-packet one-way delay: 3.688 ms

Loss rate: 0.15%

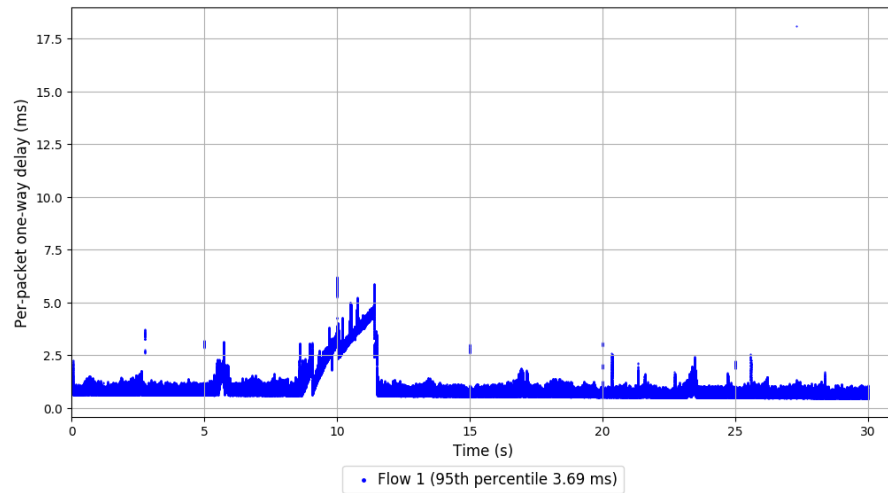
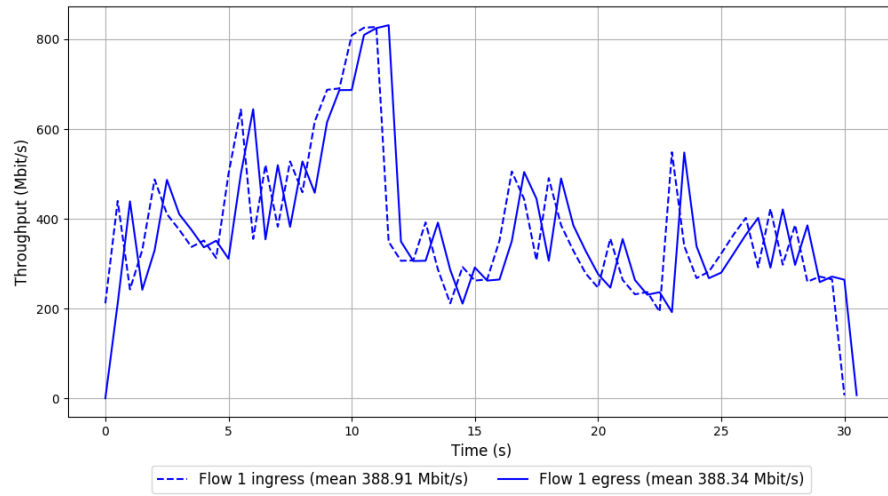
-- Flow 1:

Average throughput: 388.34 Mbit/s

95th percentile per-packet one-way delay: 3.688 ms

Loss rate: 0.15%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2019-07-17 18:33:37

End at: 2019-07-17 18:34:07

Local clock offset: 7.553 ms

Remote clock offset: 3.455 ms

Below is generated by plot.py at 2019-07-17 20:18:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 351.90 Mbit/s

95th percentile per-packet one-way delay: 1.255 ms

Loss rate: 0.18%

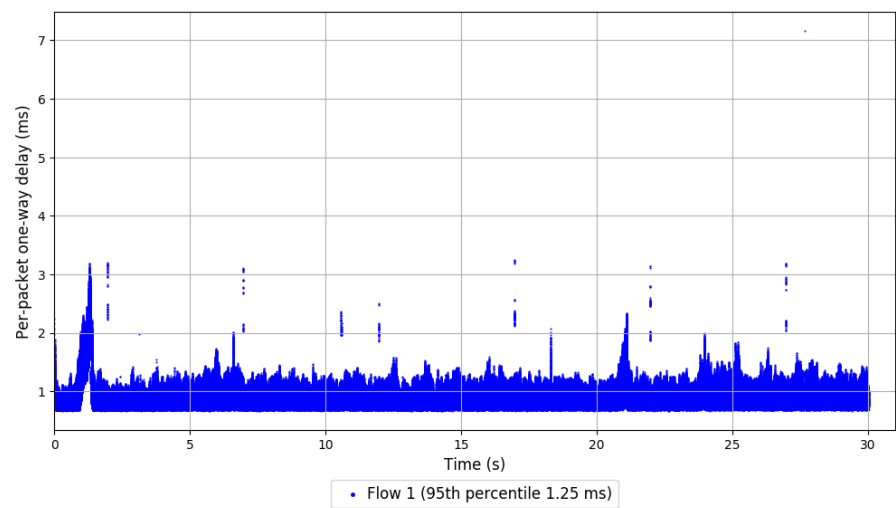
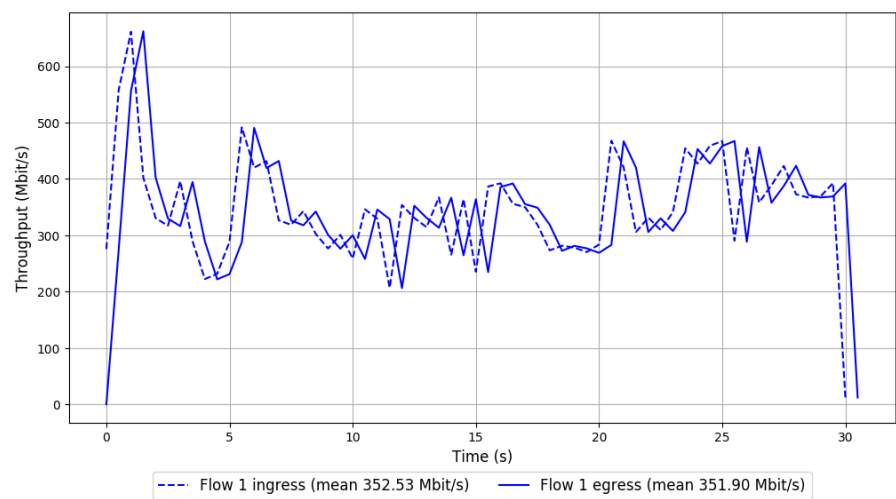
-- Flow 1:

Average throughput: 351.90 Mbit/s

95th percentile per-packet one-way delay: 1.255 ms

Loss rate: 0.18%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2019-07-17 19:05:46

End at: 2019-07-17 19:06:16

Local clock offset: 7.042 ms

Remote clock offset: -0.77 ms

Below is generated by plot.py at 2019-07-17 20:18:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 290.51 Mbit/s

95th percentile per-packet one-way delay: 1.390 ms

Loss rate: 0.24%

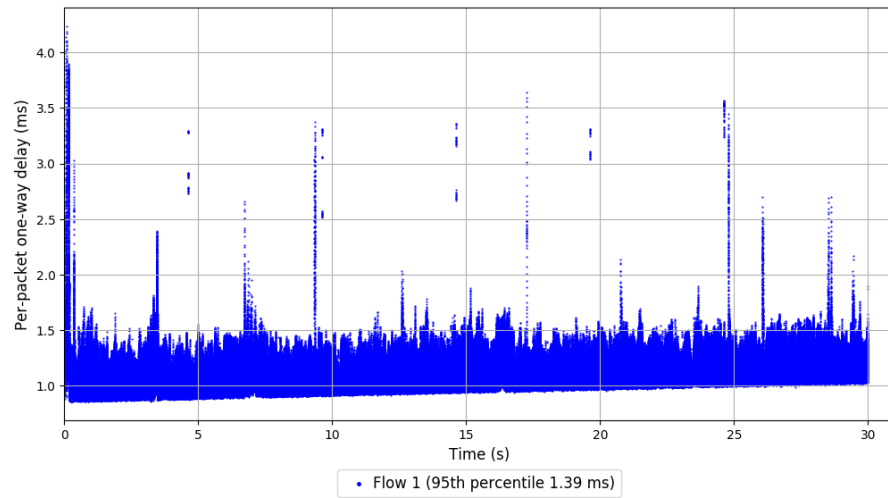
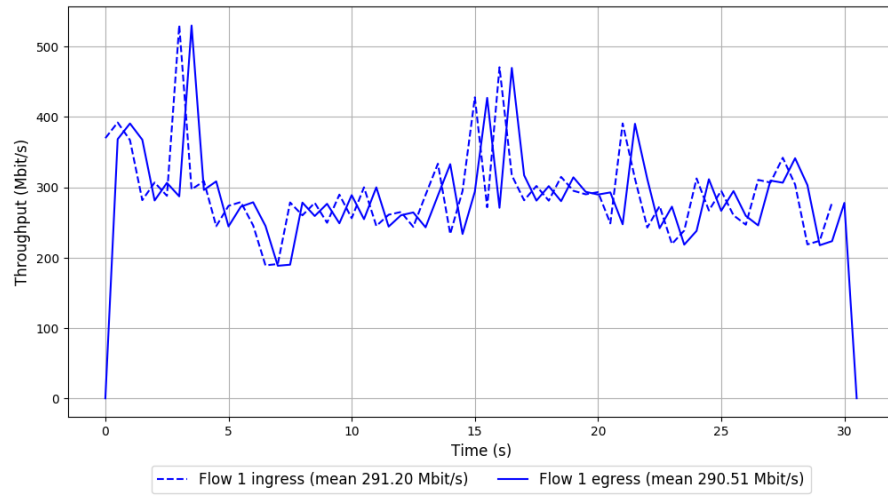
-- Flow 1:

Average throughput: 290.51 Mbit/s

95th percentile per-packet one-way delay: 1.390 ms

Loss rate: 0.24%

Run 4: Report of TCP Cubic — Data Link

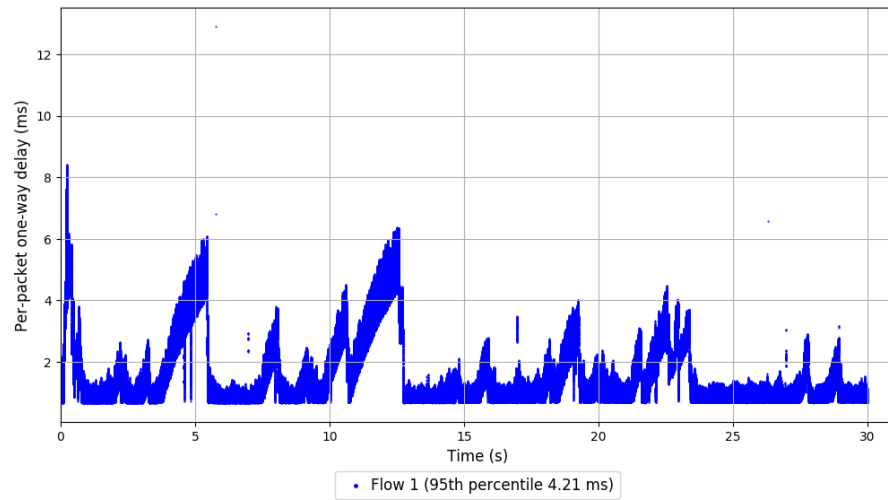
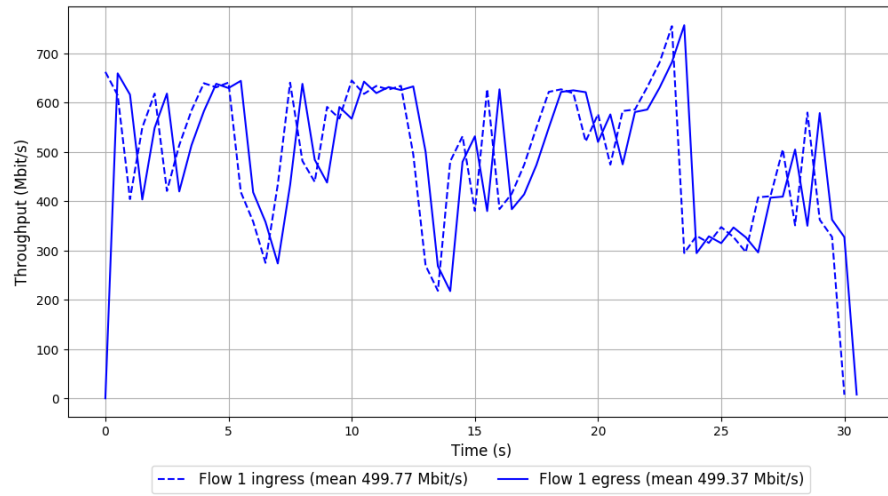


Run 5: Statistics of TCP Cubic

Start at: 2019-07-17 19:37:55
End at: 2019-07-17 19:38:25
Local clock offset: 6.415 ms
Remote clock offset: -5.676 ms

Below is generated by plot.py at 2019-07-17 20:21:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 499.37 Mbit/s
95th percentile per-packet one-way delay: 4.207 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 499.37 Mbit/s
95th percentile per-packet one-way delay: 4.207 ms
Loss rate: 0.08%

Run 5: Report of TCP Cubic — Data Link

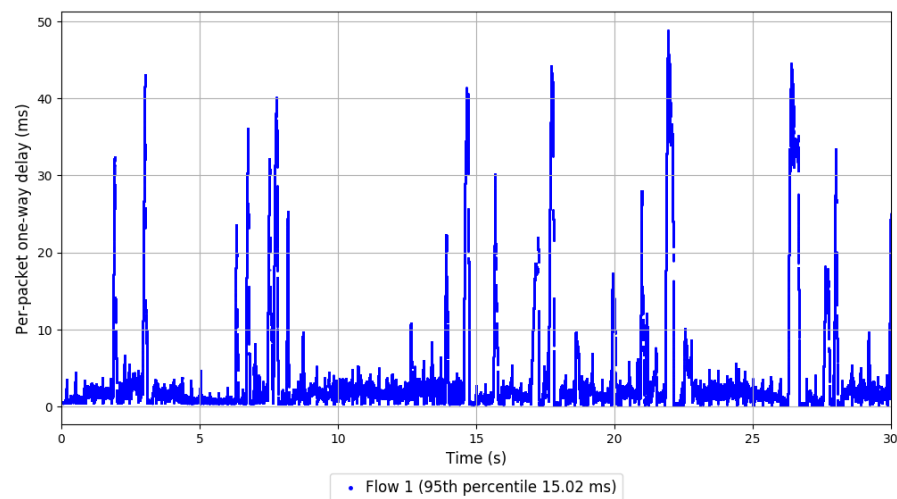
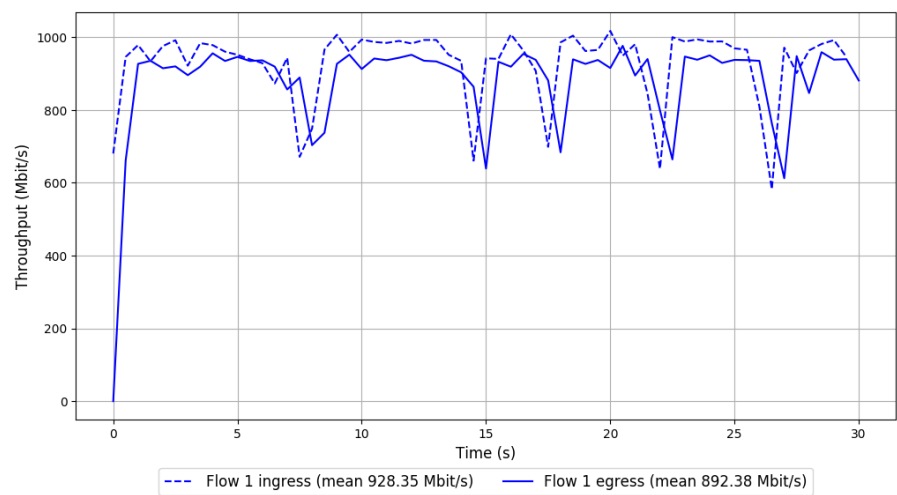


Run 1: Statistics of FillP

Start at: 2019-07-17 17:56:00
End at: 2019-07-17 17:56:30
Local clock offset: 9.585 ms
Remote clock offset: -0.352 ms

Below is generated by plot.py at 2019-07-17 20:29:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 892.38 Mbit/s
95th percentile per-packet one-way delay: 15.024 ms
Loss rate: 3.86%
-- Flow 1:
Average throughput: 892.38 Mbit/s
95th percentile per-packet one-way delay: 15.024 ms
Loss rate: 3.86%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2019-07-17 18:28:09

End at: 2019-07-17 18:28:39

Local clock offset: 8.145 ms

Remote clock offset: 4.102 ms

Below is generated by plot.py at 2019-07-17 20:29:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 789.60 Mbit/s

95th percentile per-packet one-way delay: 26.459 ms

Loss rate: 2.72%

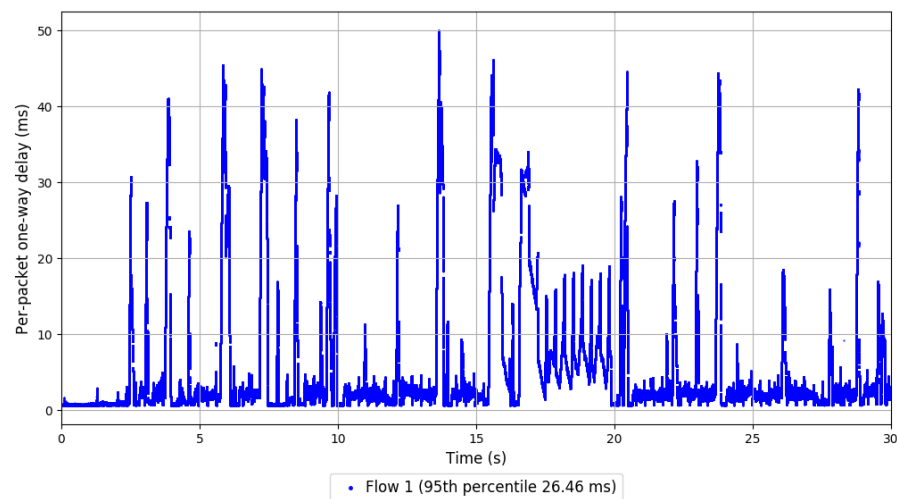
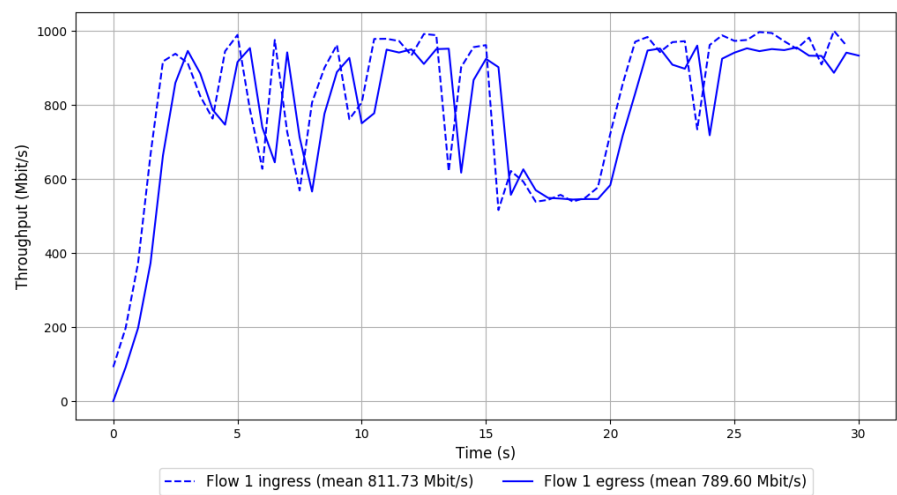
-- Flow 1:

Average throughput: 789.60 Mbit/s

95th percentile per-packet one-way delay: 26.459 ms

Loss rate: 2.72%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2019-07-17 19:00:15

End at: 2019-07-17 19:00:45

Local clock offset: 7.172 ms

Remote clock offset: 1.804 ms

Below is generated by plot.py at 2019-07-17 20:29:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 780.89 Mbit/s

95th percentile per-packet one-way delay: 32.011 ms

Loss rate: 5.19%

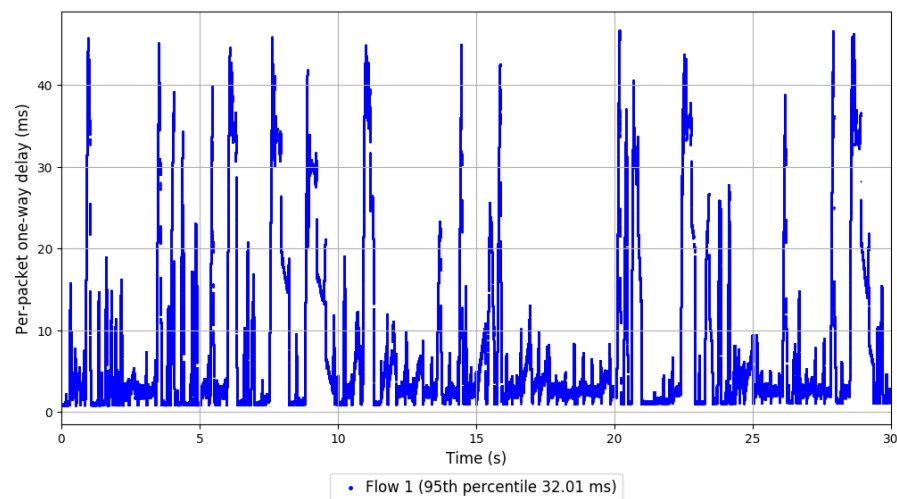
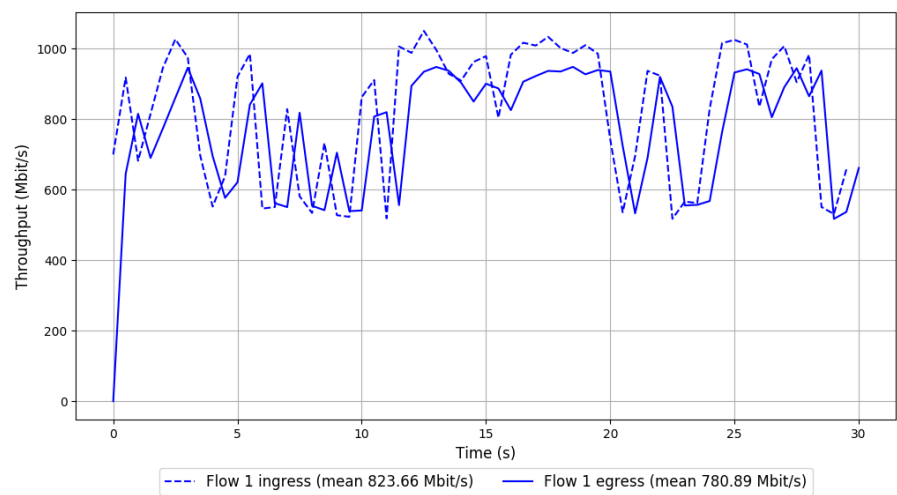
-- Flow 1:

Average throughput: 780.89 Mbit/s

95th percentile per-packet one-way delay: 32.011 ms

Loss rate: 5.19%

Run 3: Report of FillP — Data Link

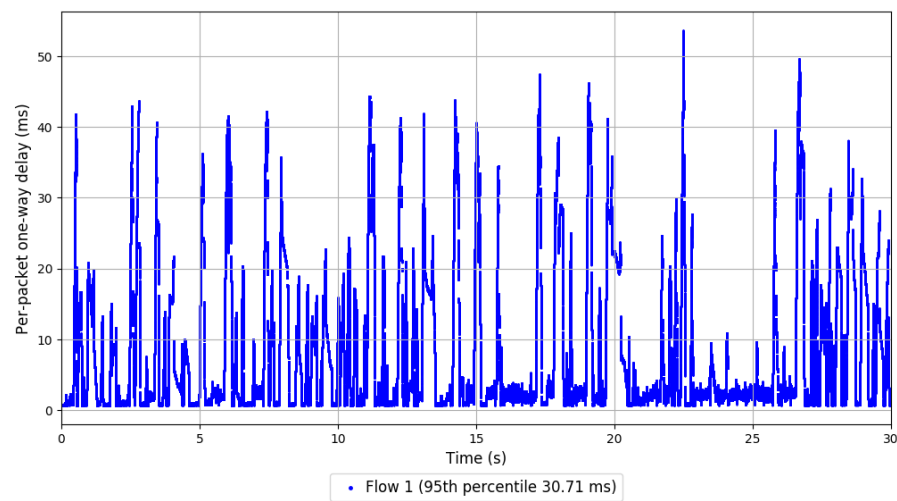
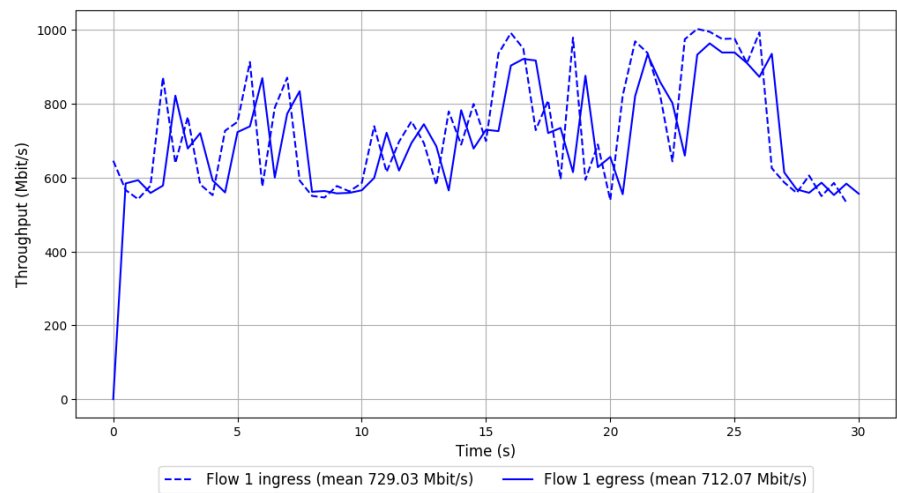


Run 4: Statistics of FillP

Start at: 2019-07-17 19:32:27
End at: 2019-07-17 19:32:57
Local clock offset: 6.62 ms
Remote clock offset: -5.221 ms

Below is generated by plot.py at 2019-07-17 20:29:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 712.07 Mbit/s
95th percentile per-packet one-way delay: 30.711 ms
Loss rate: 2.33%
-- Flow 1:
Average throughput: 712.07 Mbit/s
95th percentile per-packet one-way delay: 30.711 ms
Loss rate: 2.33%

Run 4: Report of FillP — Data Link

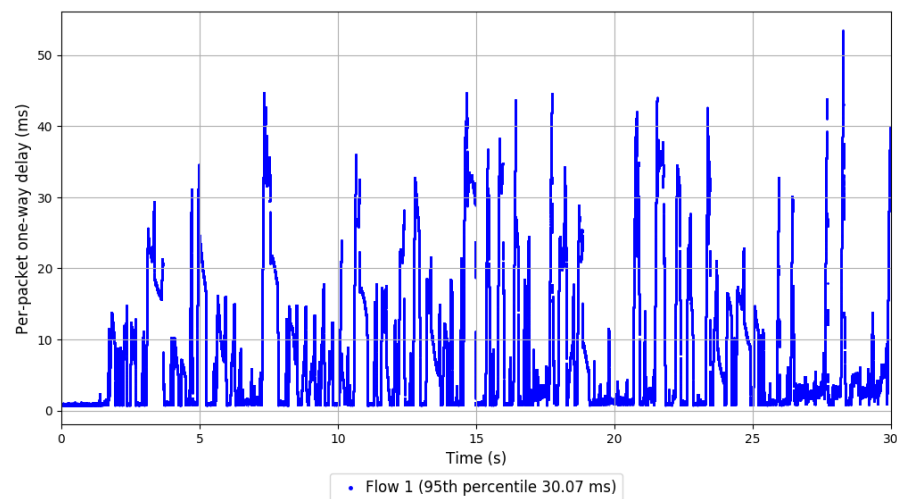
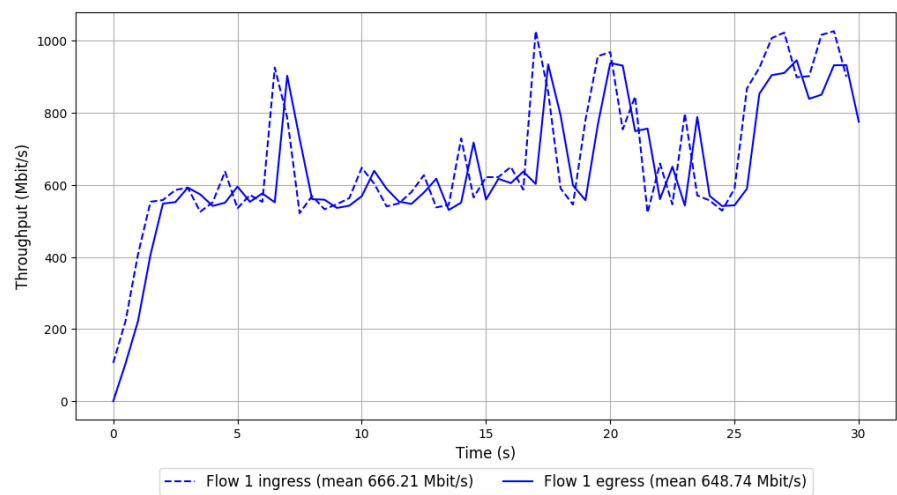


Run 5: Statistics of FillP

Start at: 2019-07-17 20:04:25
End at: 2019-07-17 20:04:55
Local clock offset: 6.438 ms
Remote clock offset: -7.641 ms

Below is generated by plot.py at 2019-07-17 20:29:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 648.74 Mbit/s
95th percentile per-packet one-way delay: 30.065 ms
Loss rate: 2.62%
-- Flow 1:
Average throughput: 648.74 Mbit/s
95th percentile per-packet one-way delay: 30.065 ms
Loss rate: 2.62%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-07-17 17:37:10

End at: 2019-07-17 17:37:40

Local clock offset: 5.119 ms

Remote clock offset: -3.515 ms

Below is generated by plot.py at 2019-07-17 20:31:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 863.30 Mbit/s

95th percentile per-packet one-way delay: 10.893 ms

Loss rate: 1.49%

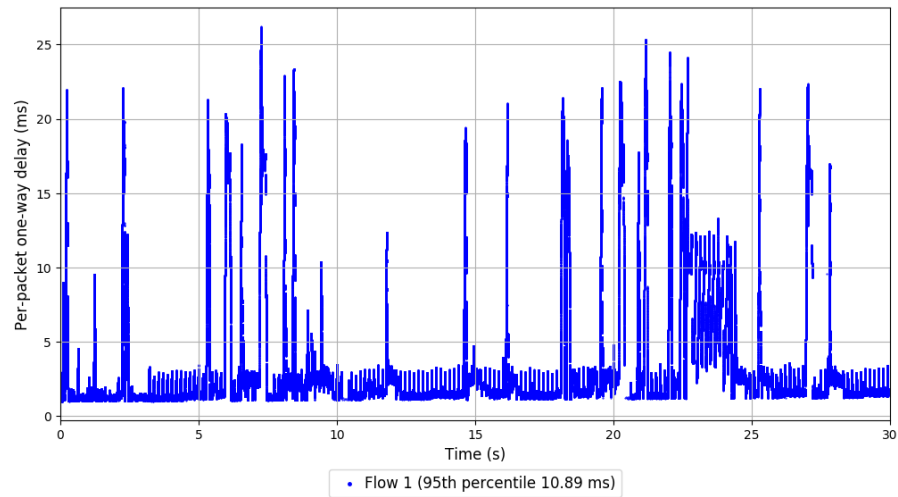
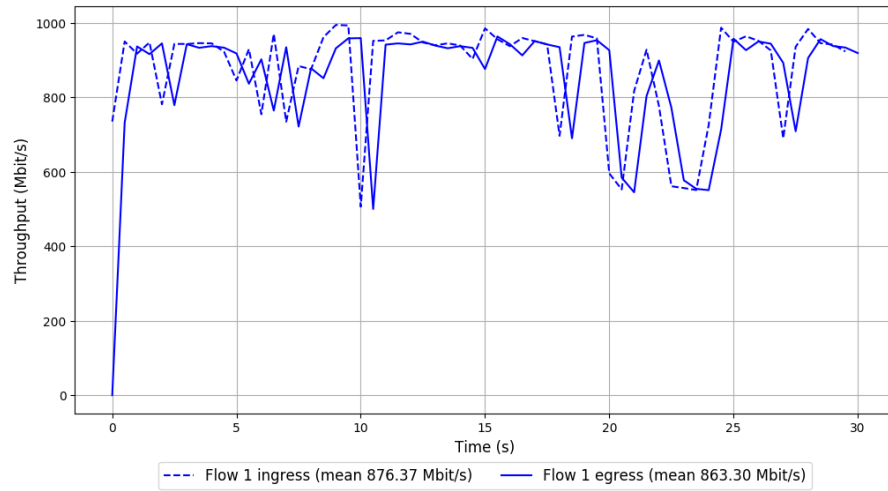
-- Flow 1:

Average throughput: 863.30 Mbit/s

95th percentile per-packet one-way delay: 10.893 ms

Loss rate: 1.49%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2019-07-17 18:09:24

End at: 2019-07-17 18:09:54

Local clock offset: 8.184 ms

Remote clock offset: 3.333 ms

Below is generated by plot.py at 2019-07-17 20:31:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 868.56 Mbit/s

95th percentile per-packet one-way delay: 12.355 ms

Loss rate: 4.87%

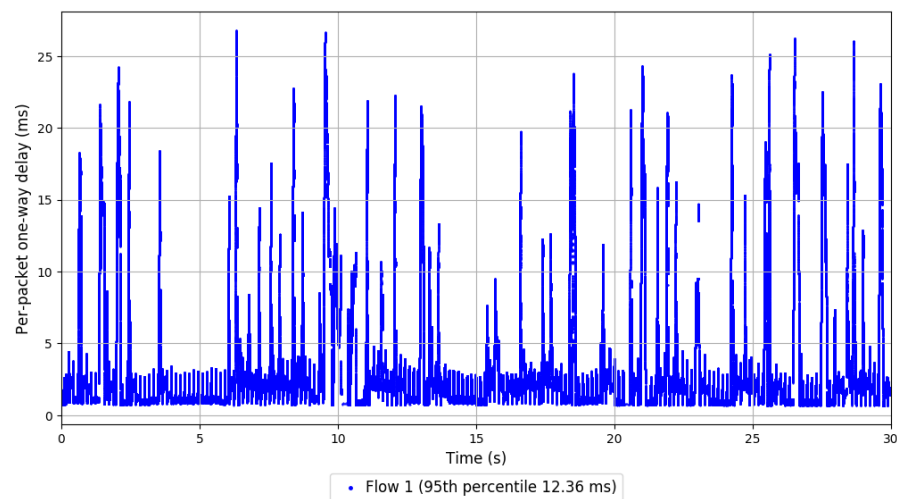
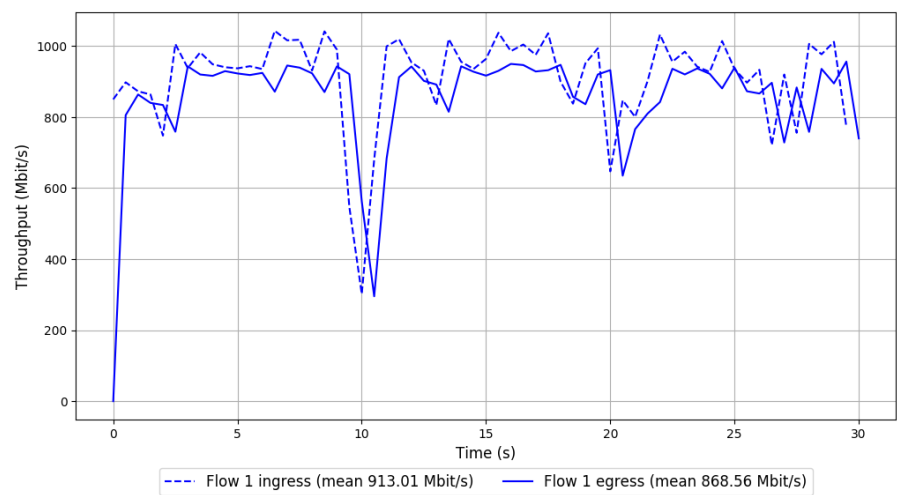
-- Flow 1:

Average throughput: 868.56 Mbit/s

95th percentile per-packet one-way delay: 12.355 ms

Loss rate: 4.87%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2019-07-17 18:41:25

End at: 2019-07-17 18:41:55

Local clock offset: 7.297 ms

Remote clock offset: 3.165 ms

Below is generated by plot.py at 2019-07-17 20:33:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 823.77 Mbit/s

95th percentile per-packet one-way delay: 15.863 ms

Loss rate: 3.31%

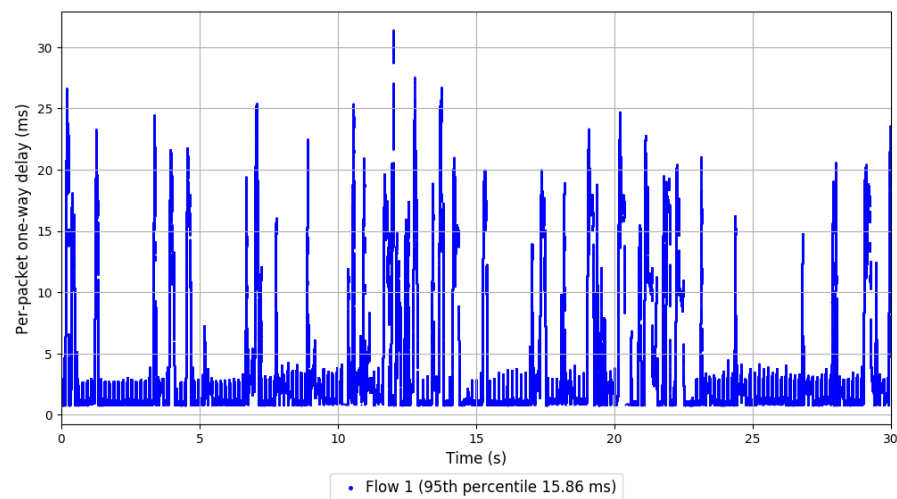
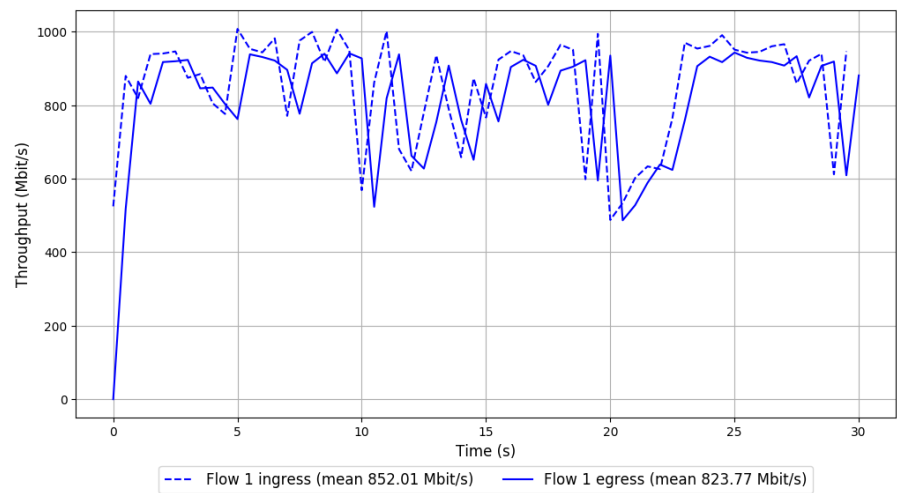
-- Flow 1:

Average throughput: 823.77 Mbit/s

95th percentile per-packet one-way delay: 15.863 ms

Loss rate: 3.31%

Run 3: Report of FillP-Sheep — Data Link

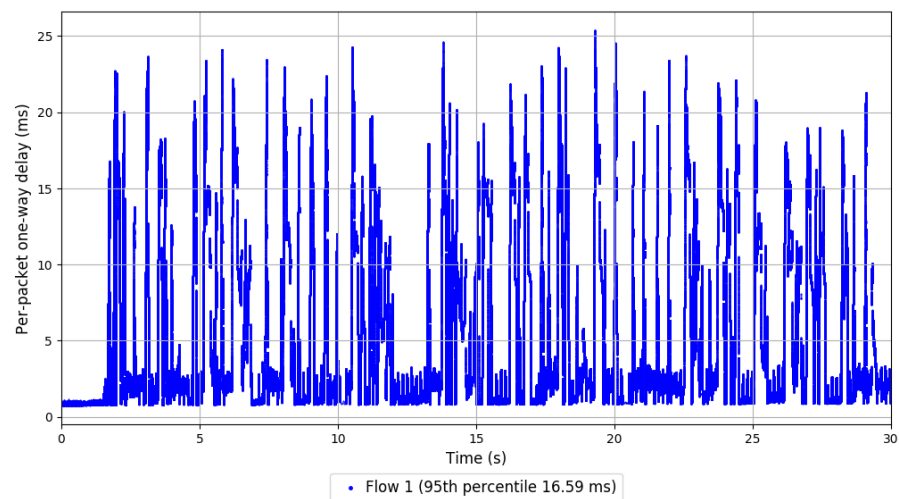
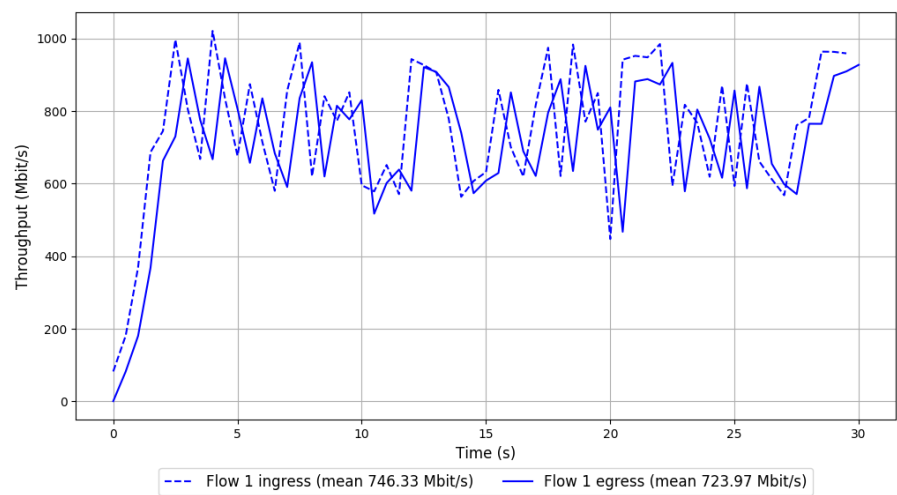


Run 4: Statistics of FillP-Sheep

Start at: 2019-07-17 19:13:33
End at: 2019-07-17 19:14:03
Local clock offset: 7.081 ms
Remote clock offset: -2.846 ms

Below is generated by plot.py at 2019-07-17 20:38:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 723.97 Mbit/s
95th percentile per-packet one-way delay: 16.591 ms
Loss rate: 2.99%
-- Flow 1:
Average throughput: 723.97 Mbit/s
95th percentile per-packet one-way delay: 16.591 ms
Loss rate: 2.99%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-07-17 19:45:47

End at: 2019-07-17 19:46:17

Local clock offset: 6.336 ms

Remote clock offset: -6.205 ms

Below is generated by plot.py at 2019-07-17 20:38:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 614.10 Mbit/s

95th percentile per-packet one-way delay: 16.248 ms

Loss rate: 1.37%

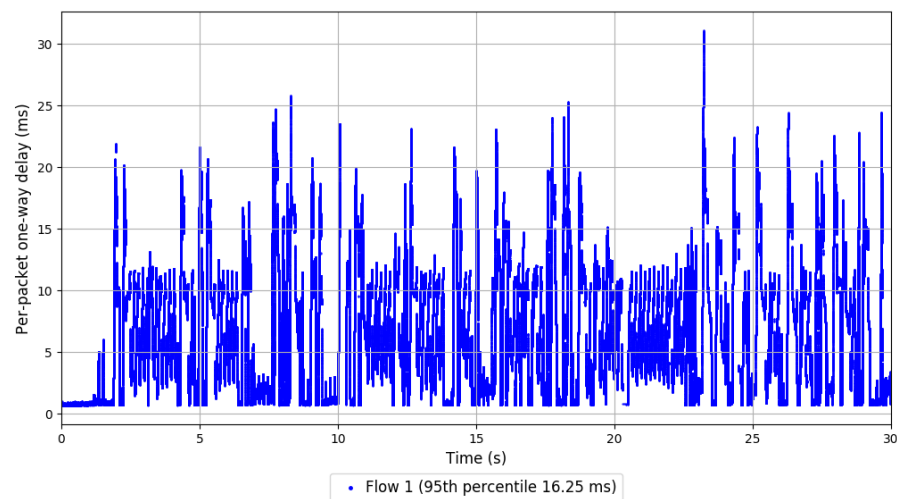
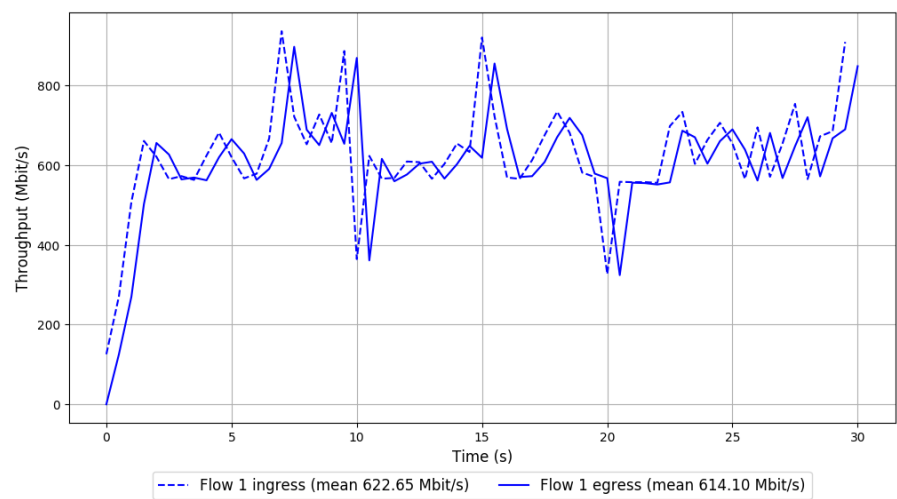
-- Flow 1:

Average throughput: 614.10 Mbit/s

95th percentile per-packet one-way delay: 16.248 ms

Loss rate: 1.37%

Run 5: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2019-07-17 17:33:18

End at: 2019-07-17 17:33:48

Local clock offset: 2.941 ms

Remote clock offset: -3.327 ms

Below is generated by plot.py at 2019-07-17 20:38:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 256.93 Mbit/s

95th percentile per-packet one-way delay: 1.609 ms

Loss rate: 0.14%

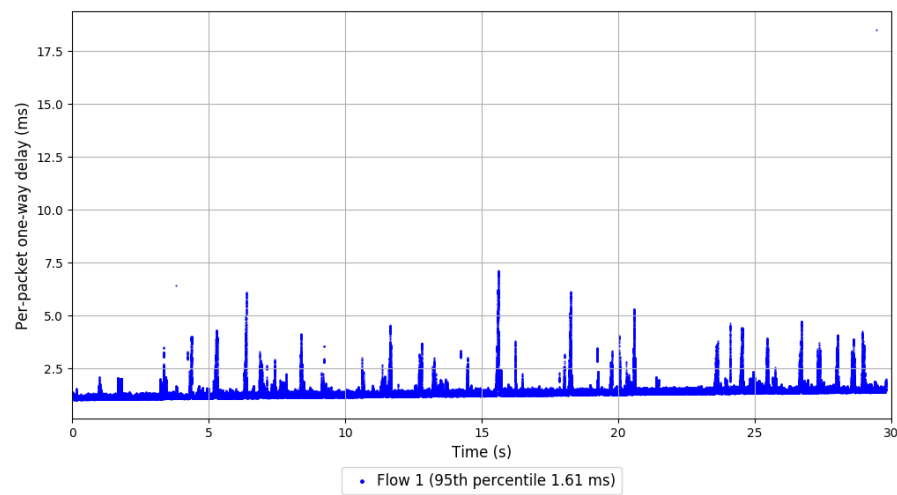
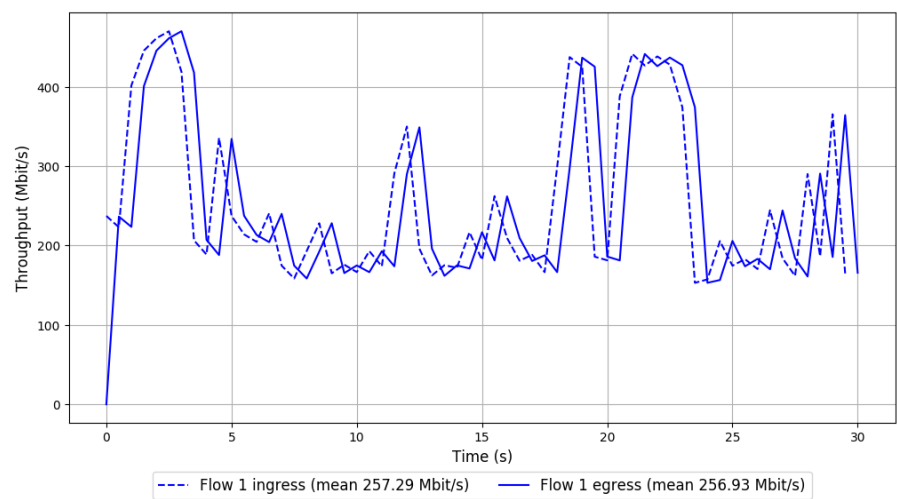
-- Flow 1:

Average throughput: 256.93 Mbit/s

95th percentile per-packet one-way delay: 1.609 ms

Loss rate: 0.14%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2019-07-17 18:05:33

End at: 2019-07-17 18:06:03

Local clock offset: 8.312 ms

Remote clock offset: 2.545 ms

Below is generated by plot.py at 2019-07-17 20:38:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 244.40 Mbit/s

95th percentile per-packet one-way delay: 1.147 ms

Loss rate: 0.16%

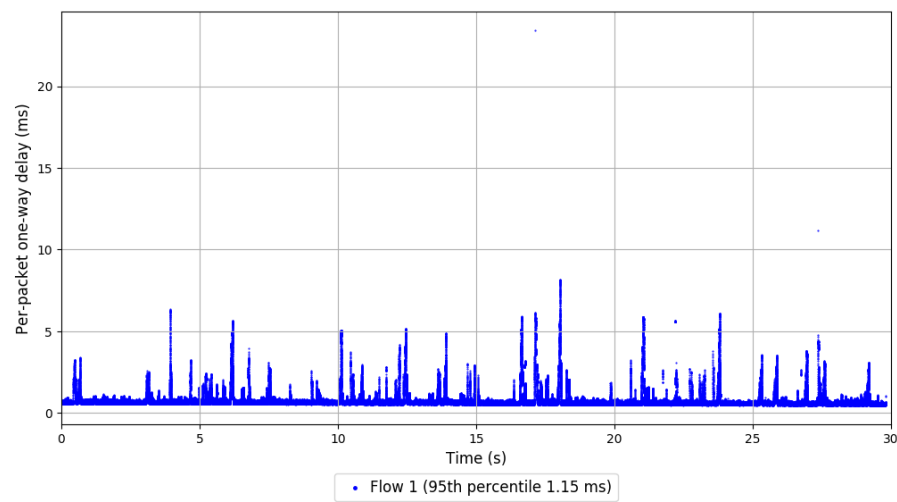
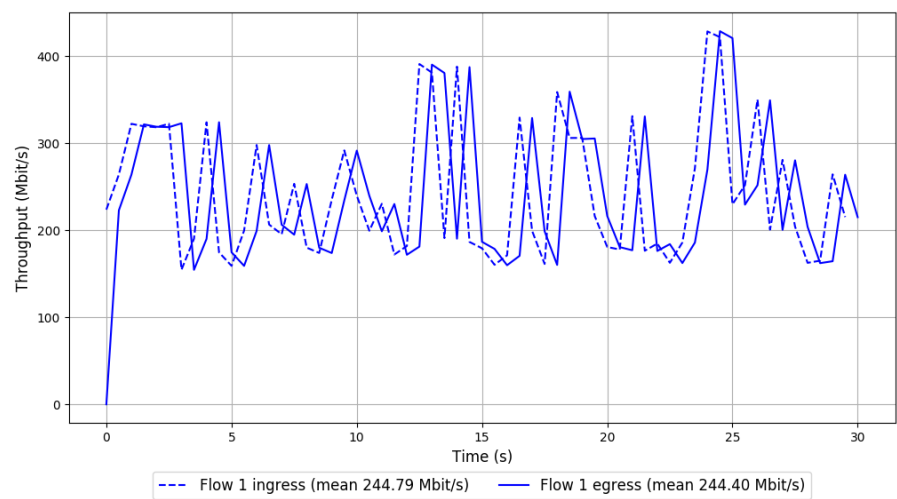
-- Flow 1:

Average throughput: 244.40 Mbit/s

95th percentile per-packet one-way delay: 1.147 ms

Loss rate: 0.16%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2019-07-17 18:37:34

End at: 2019-07-17 18:38:04

Local clock offset: 7.383 ms

Remote clock offset: 3.184 ms

Below is generated by plot.py at 2019-07-17 20:38:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 233.81 Mbit/s

95th percentile per-packet one-way delay: 1.010 ms

Loss rate: 0.12%

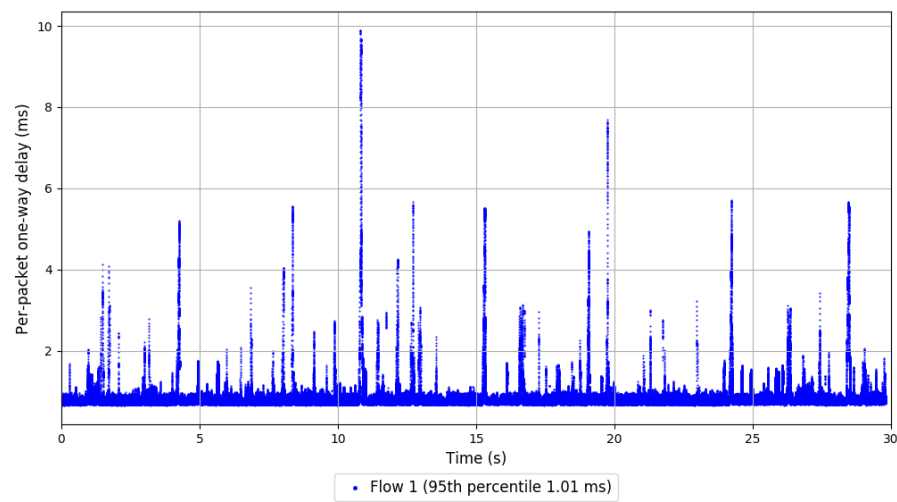
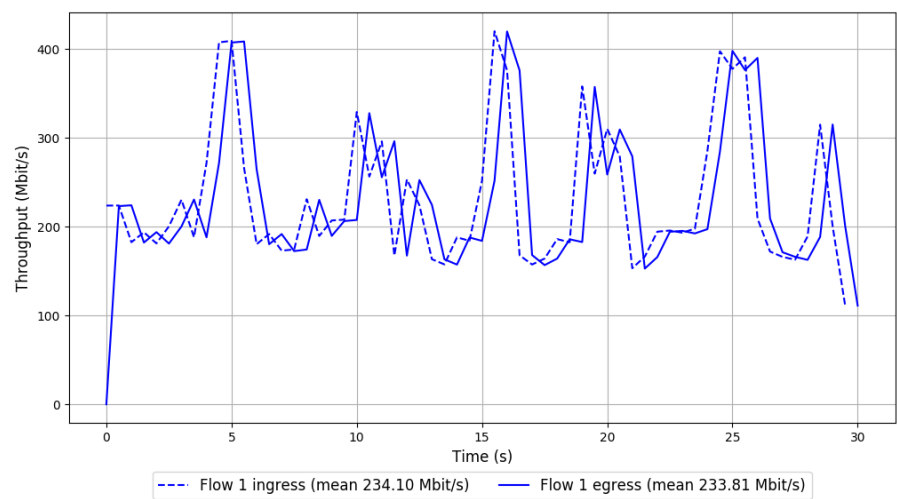
-- Flow 1:

Average throughput: 233.81 Mbit/s

95th percentile per-packet one-way delay: 1.010 ms

Loss rate: 0.12%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-07-17 19:09:42

End at: 2019-07-17 19:10:12

Local clock offset: 7.045 ms

Remote clock offset: -2.001 ms

Below is generated by plot.py at 2019-07-17 20:38:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.81 Mbit/s

95th percentile per-packet one-way delay: 1.450 ms

Loss rate: 0.15%

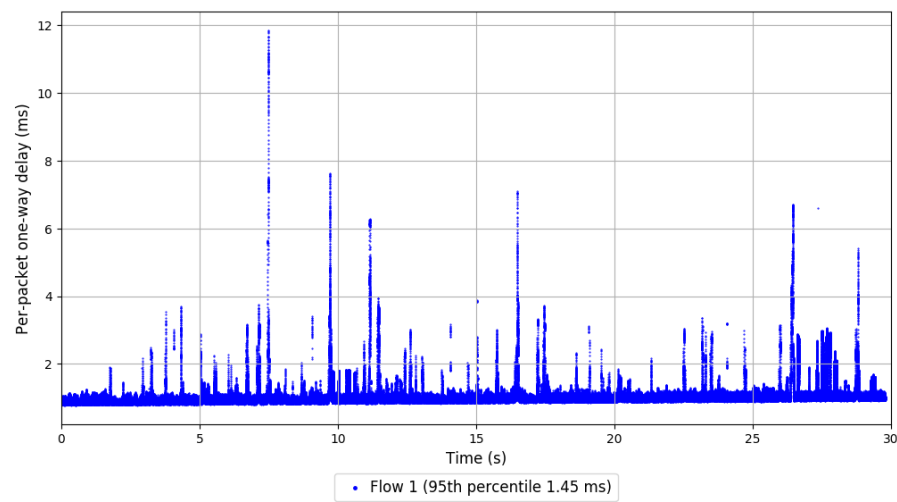
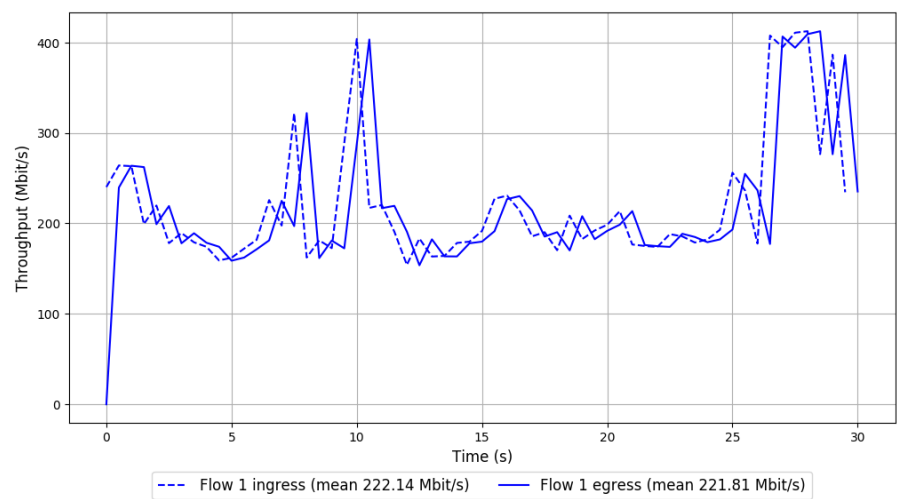
-- Flow 1:

Average throughput: 221.81 Mbit/s

95th percentile per-packet one-way delay: 1.450 ms

Loss rate: 0.15%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-07-17 19:41:56

End at: 2019-07-17 19:42:26

Local clock offset: 6.351 ms

Remote clock offset: -5.891 ms

Below is generated by plot.py at 2019-07-17 20:38:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.33 Mbit/s

95th percentile per-packet one-way delay: 1.497 ms

Loss rate: 0.12%

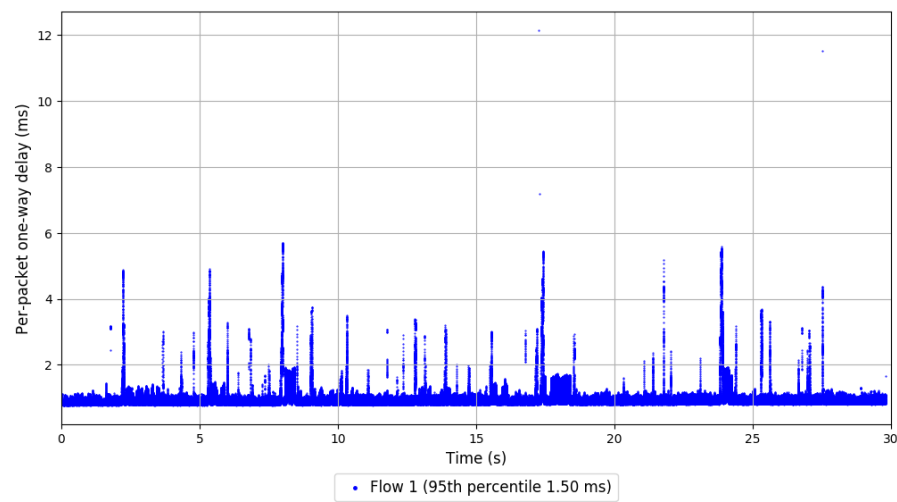
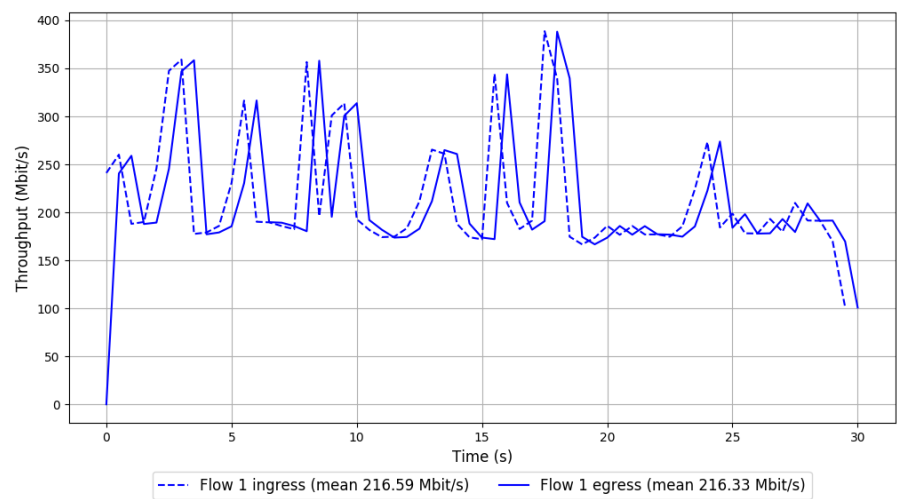
-- Flow 1:

Average throughput: 216.33 Mbit/s

95th percentile per-packet one-way delay: 1.497 ms

Loss rate: 0.12%

Run 5: Report of Indigo — Data Link

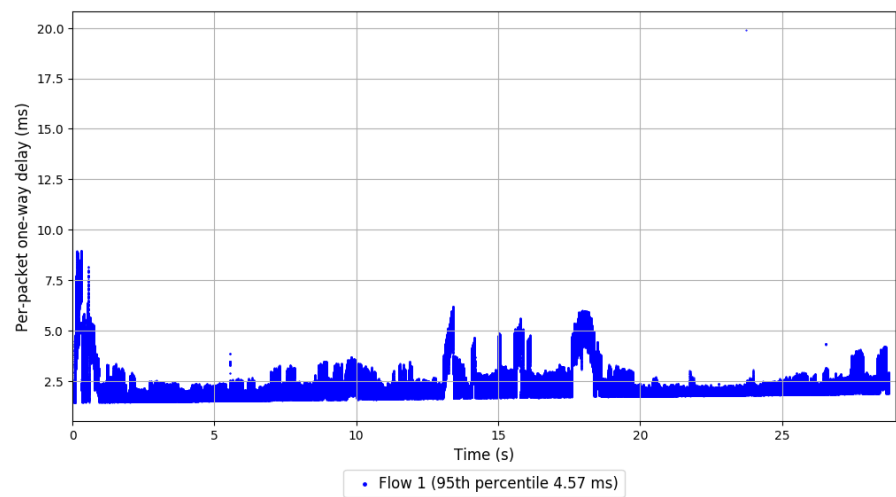
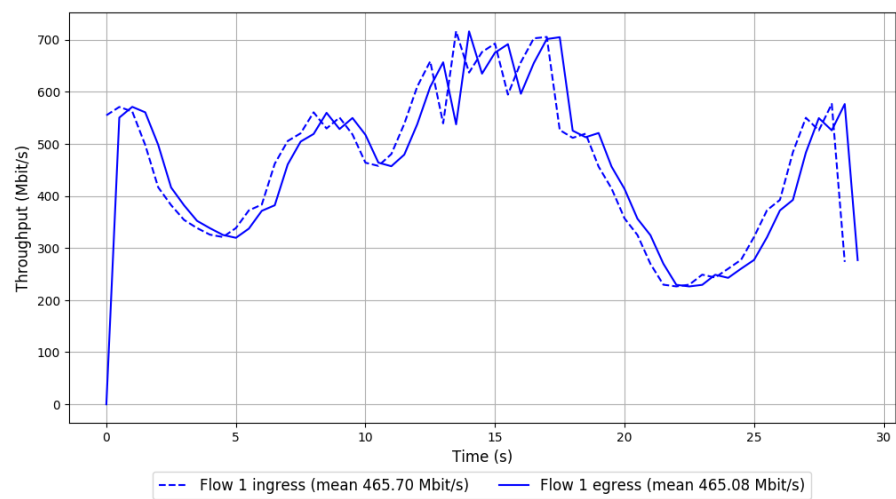


Run 1: Statistics of Indigo-MusesC3

Start at: 2019-07-17 17:30:36
End at: 2019-07-17 17:31:06
Local clock offset: 0.587 ms
Remote clock offset: -3.018 ms

Below is generated by plot.py at 2019-07-17 20:38:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 465.08 Mbit/s
95th percentile per-packet one-way delay: 4.567 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 465.08 Mbit/s
95th percentile per-packet one-way delay: 4.567 ms
Loss rate: 0.13%

Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2019-07-17 18:03:00

End at: 2019-07-17 18:03:30

Local clock offset: 8.452 ms

Remote clock offset: 2.095 ms

Below is generated by plot.py at 2019-07-17 20:38:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 170.74 Mbit/s

95th percentile per-packet one-way delay: 1.428 ms

Loss rate: 0.08%

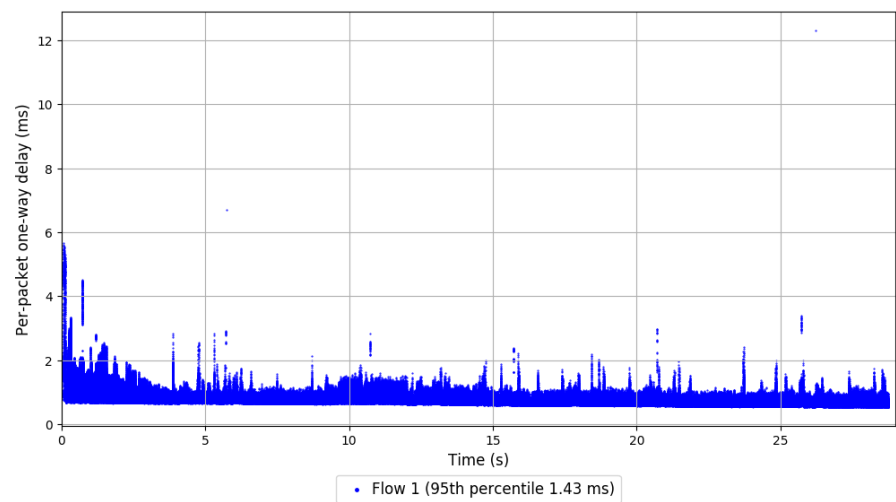
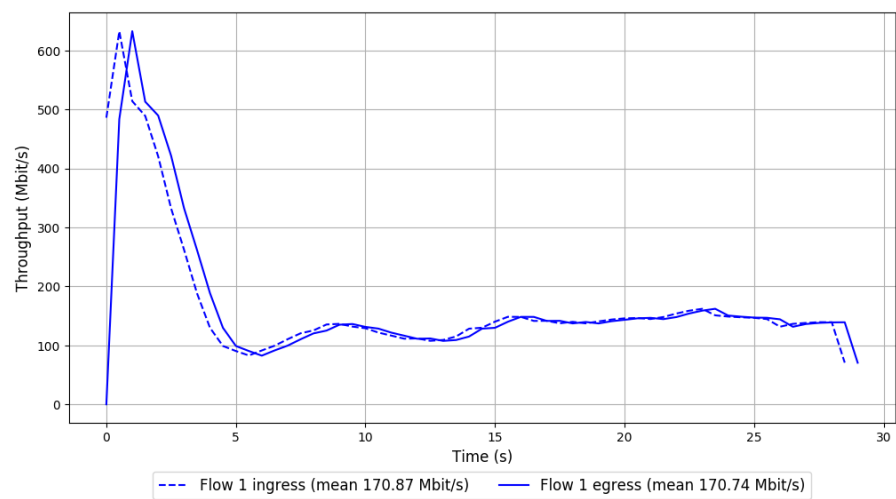
-- Flow 1:

Average throughput: 170.74 Mbit/s

95th percentile per-packet one-way delay: 1.428 ms

Loss rate: 0.08%

Run 2: Report of Indigo-MusesC3 — Data Link



Run 3: Statistics of Indigo-MusesC3

Start at: 2019-07-17 18:35:02

End at: 2019-07-17 18:35:32

Local clock offset: 7.479 ms

Remote clock offset: 3.379 ms

Below is generated by plot.py at 2019-07-17 20:38:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 156.09 Mbit/s

95th percentile per-packet one-way delay: 1.530 ms

Loss rate: 0.16%

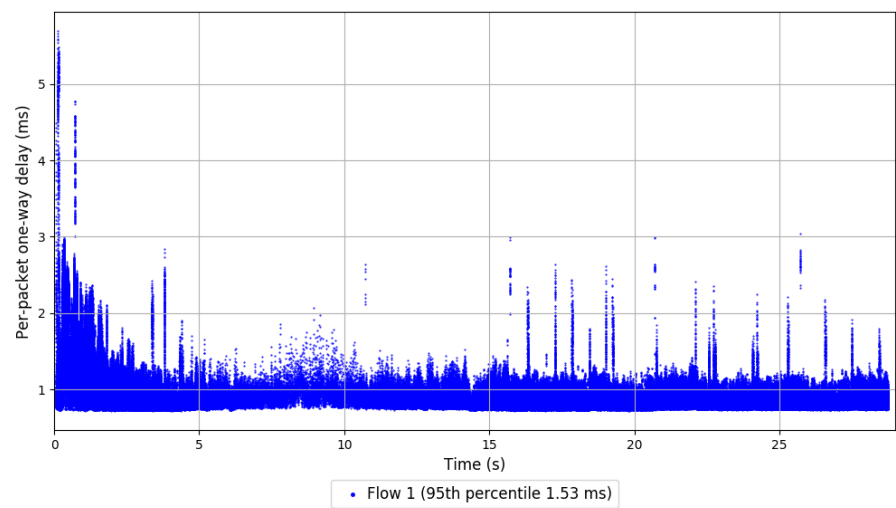
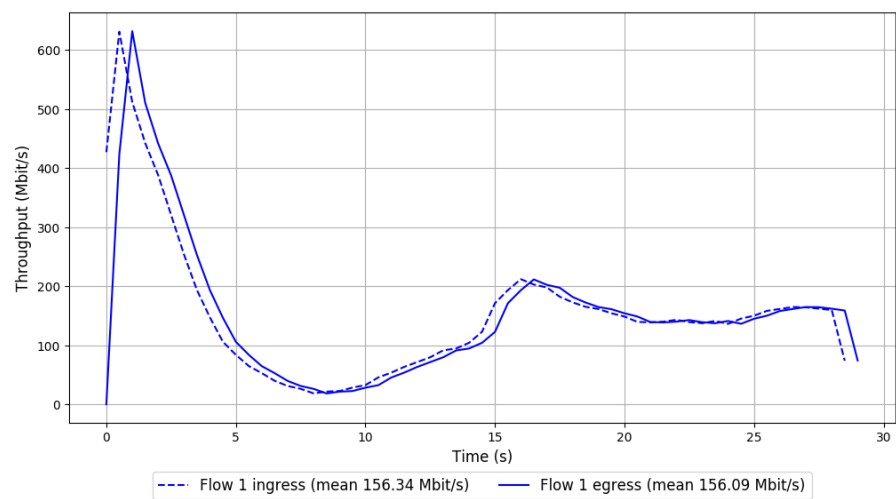
-- Flow 1:

Average throughput: 156.09 Mbit/s

95th percentile per-packet one-way delay: 1.530 ms

Loss rate: 0.16%

Run 3: Report of Indigo-MusesC3 — Data Link

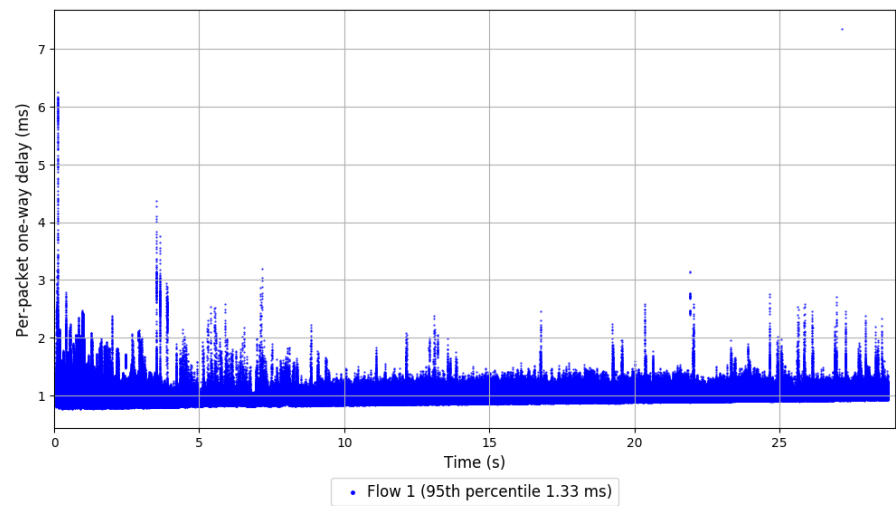
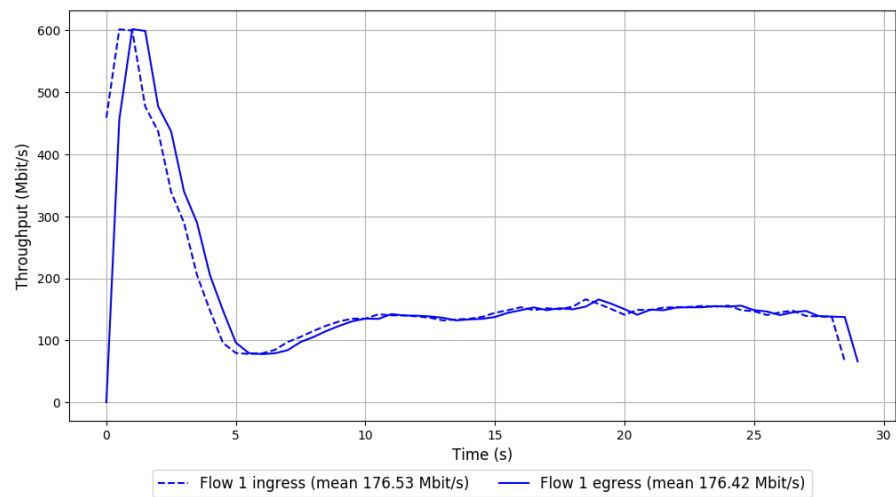


Run 4: Statistics of Indigo-MusesC3

Start at: 2019-07-17 19:07:09
End at: 2019-07-17 19:07:39
Local clock offset: 7.053 ms
Remote clock offset: -1.282 ms

Below is generated by plot.py at 2019-07-17 20:38:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 176.42 Mbit/s
95th percentile per-packet one-way delay: 1.332 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 176.42 Mbit/s
95th percentile per-packet one-way delay: 1.332 ms
Loss rate: 0.06%

Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2019-07-17 19:39:24

End at: 2019-07-17 19:39:54

Local clock offset: 6.395 ms

Remote clock offset: -5.713 ms

Below is generated by plot.py at 2019-07-17 20:38:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 140.80 Mbit/s

95th percentile per-packet one-way delay: 1.539 ms

Loss rate: 0.14%

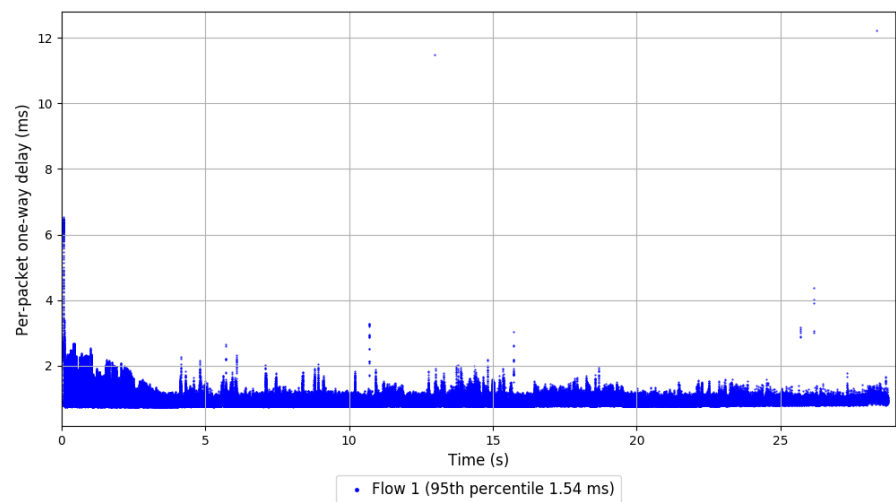
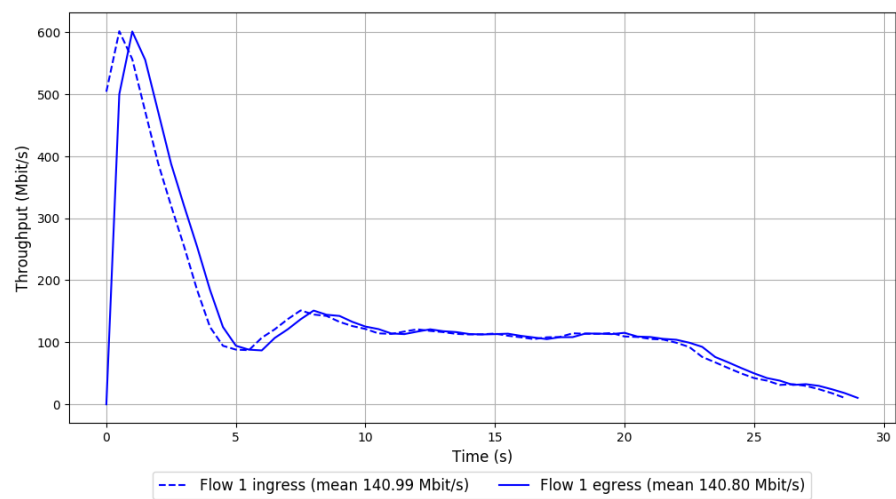
-- Flow 1:

Average throughput: 140.80 Mbit/s

95th percentile per-packet one-way delay: 1.539 ms

Loss rate: 0.14%

Run 5: Report of Indigo-MusesC3 — Data Link

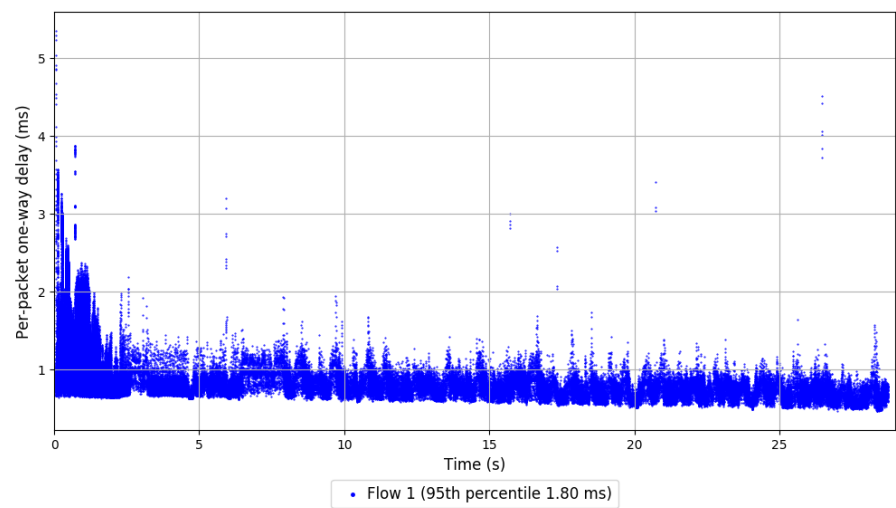
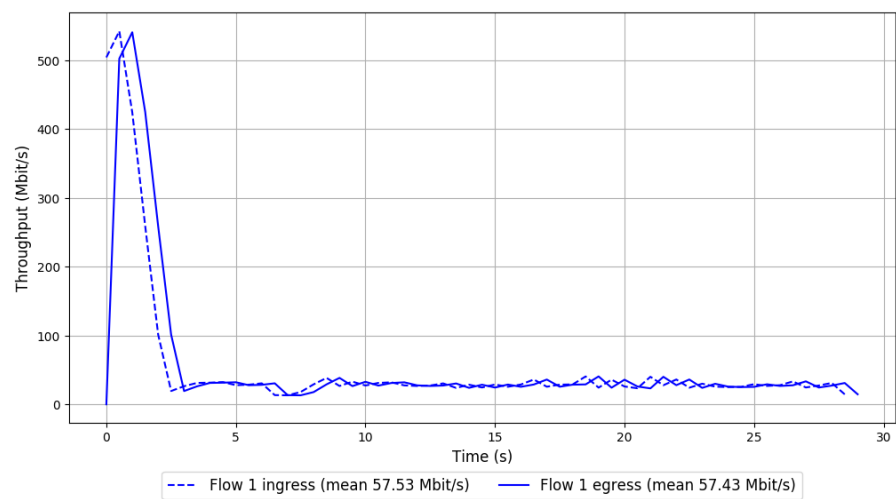


Run 1: Statistics of Indigo-MusesC5

Start at: 2019-07-17 17:53:11
End at: 2019-07-17 17:53:41
Local clock offset: 9.508 ms
Remote clock offset: -1.885 ms

Below is generated by plot.py at 2019-07-17 20:38:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 57.43 Mbit/s
95th percentile per-packet one-way delay: 1.804 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 57.43 Mbit/s
95th percentile per-packet one-way delay: 1.804 ms
Loss rate: 0.17%

Run 1: Report of Indigo-MusesC5 — Data Link



Run 2: Statistics of Indigo-MusesC5

Start at: 2019-07-17 18:25:20

End at: 2019-07-17 18:25:50

Local clock offset: 8.699 ms

Remote clock offset: 4.62 ms

Below is generated by plot.py at 2019-07-17 20:38:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.77 Mbit/s

95th percentile per-packet one-way delay: 1.699 ms

Loss rate: 0.12%

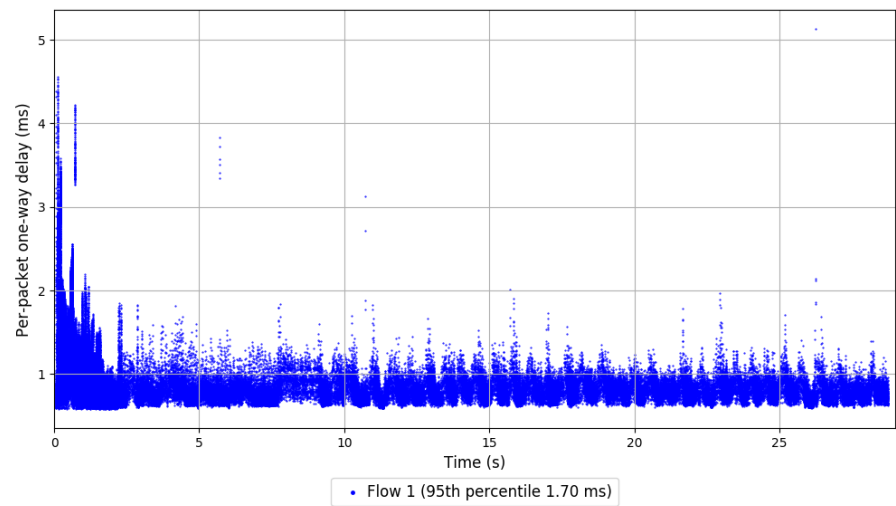
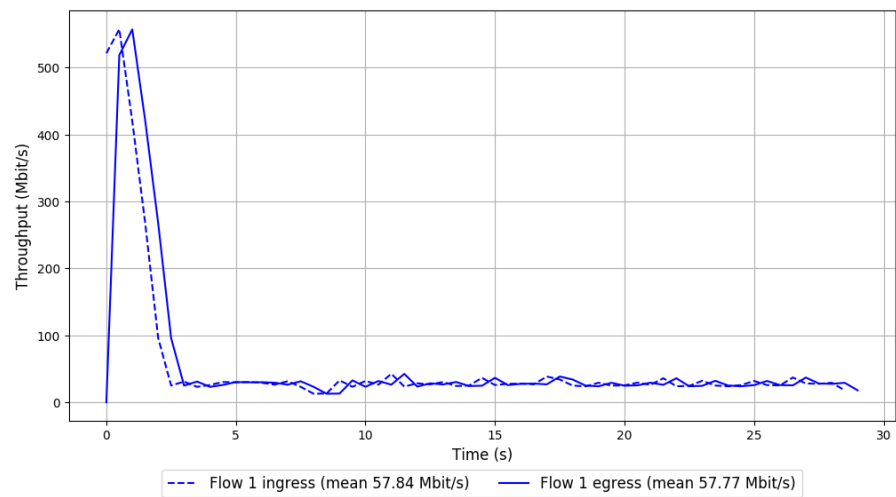
-- Flow 1:

Average throughput: 57.77 Mbit/s

95th percentile per-packet one-way delay: 1.699 ms

Loss rate: 0.12%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-07-17 18:57:18

End at: 2019-07-17 18:57:48

Local clock offset: 7.349 ms

Remote clock offset: 2.999 ms

Below is generated by plot.py at 2019-07-17 20:38:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 252.58 Mbit/s

95th percentile per-packet one-way delay: 1.222 ms

Loss rate: 0.15%

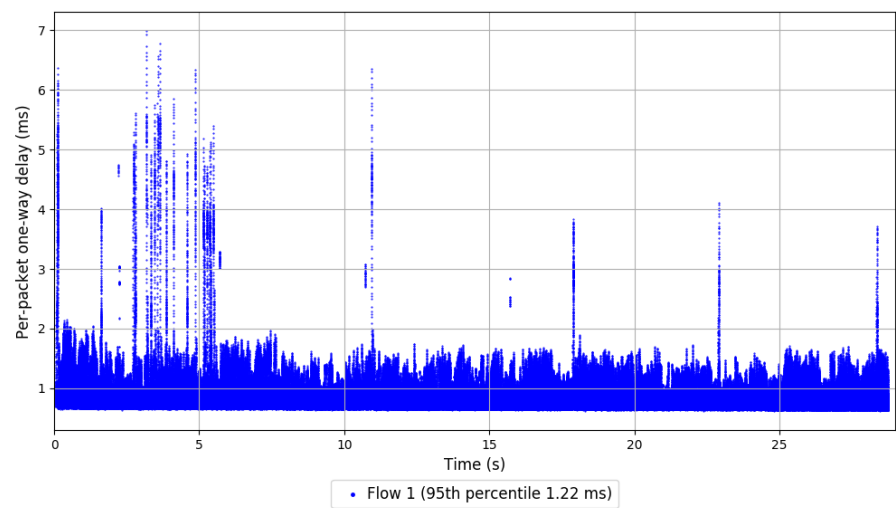
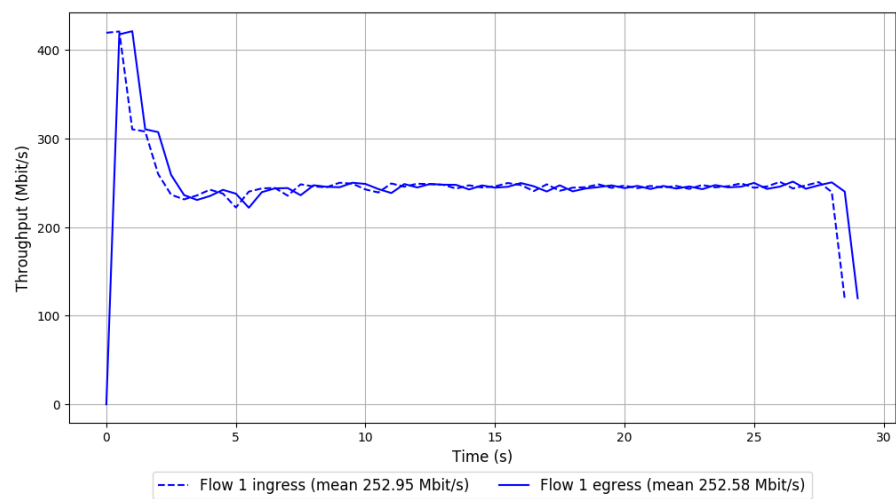
-- Flow 1:

Average throughput: 252.58 Mbit/s

95th percentile per-packet one-way delay: 1.222 ms

Loss rate: 0.15%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-07-17 19:29:36

End at: 2019-07-17 19:30:06

Local clock offset: 6.814 ms

Remote clock offset: -4.856 ms

Below is generated by plot.py at 2019-07-17 20:38:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.87 Mbit/s

95th percentile per-packet one-way delay: 3.335 ms

Loss rate: 0.33%

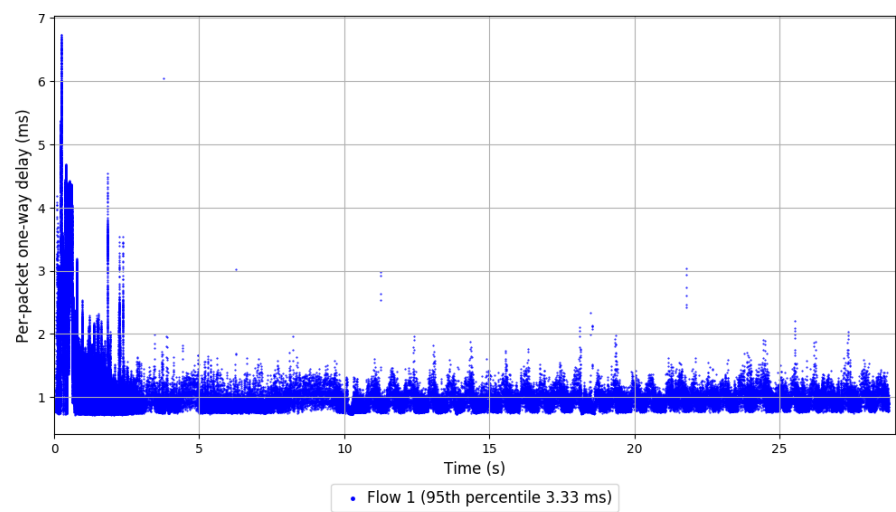
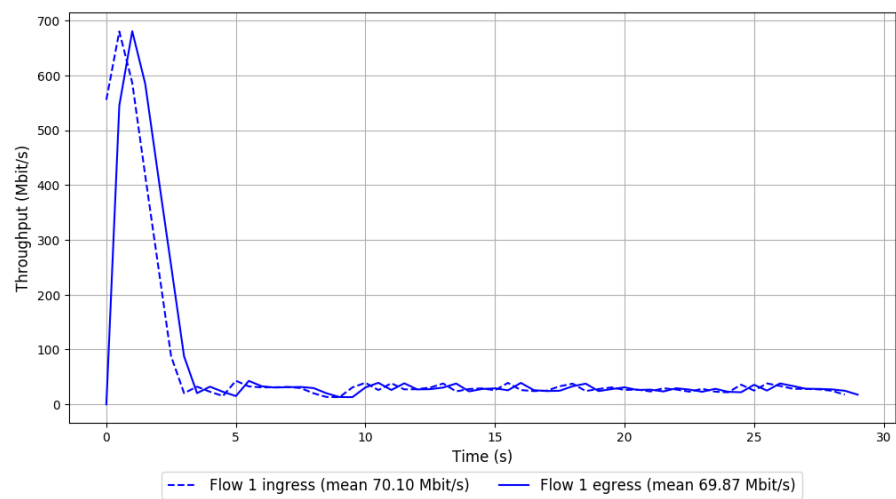
-- Flow 1:

Average throughput: 69.87 Mbit/s

95th percentile per-packet one-way delay: 3.335 ms

Loss rate: 0.33%

Run 4: Report of Indigo-MusesC5 — Data Link

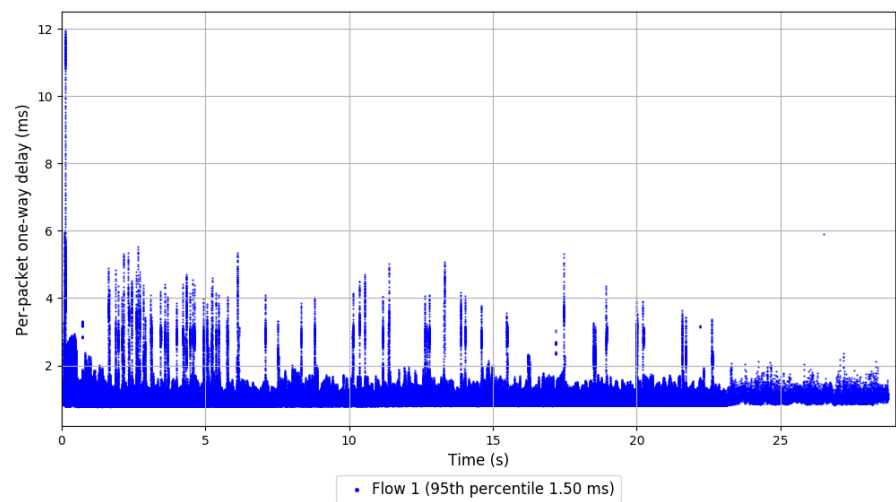
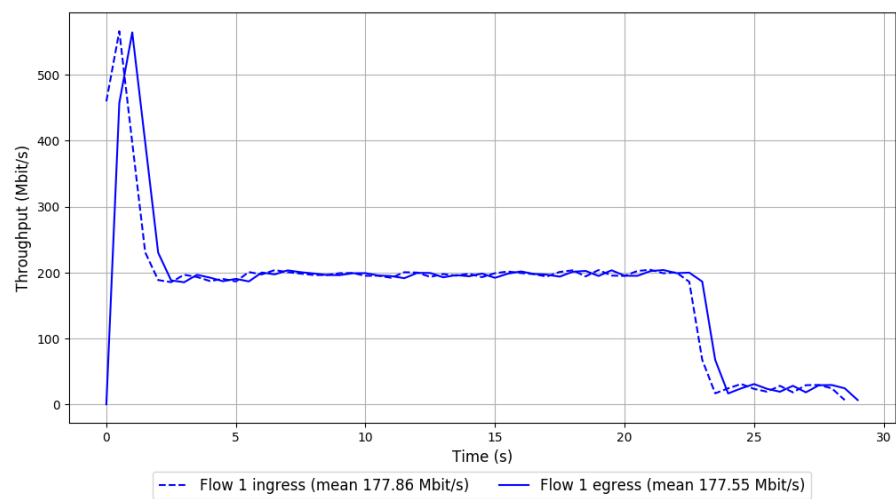


Run 5: Statistics of Indigo-MusesC5

Start at: 2019-07-17 20:01:31
End at: 2019-07-17 20:02:01
Local clock offset: 6.406 ms
Remote clock offset: -7.396 ms

Below is generated by plot.py at 2019-07-17 20:38:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 177.55 Mbit/s
95th percentile per-packet one-way delay: 1.496 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 177.55 Mbit/s
95th percentile per-packet one-way delay: 1.496 ms
Loss rate: 0.17%

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

Start at: 2019-07-17 17:42:52

End at: 2019-07-17 17:43:22

Local clock offset: 7.266 ms

Remote clock offset: -3.717 ms

Below is generated by plot.py at 2019-07-17 20:38:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 141.65 Mbit/s

95th percentile per-packet one-way delay: 1.770 ms

Loss rate: 0.09%

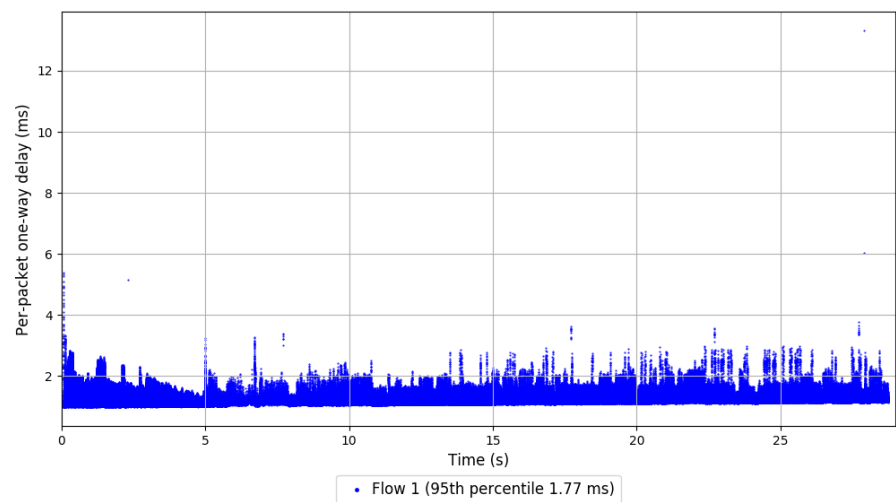
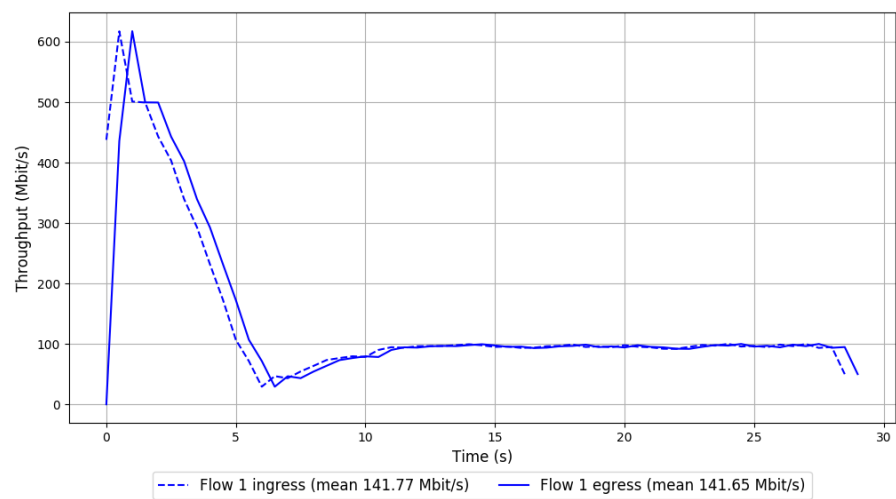
-- Flow 1:

Average throughput: 141.65 Mbit/s

95th percentile per-packet one-way delay: 1.770 ms

Loss rate: 0.09%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-07-17 18:15:04

End at: 2019-07-17 18:15:34

Local clock offset: 8.287 ms

Remote clock offset: 3.952 ms

Below is generated by plot.py at 2019-07-17 20:38:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 138.92 Mbit/s

95th percentile per-packet one-way delay: 1.462 ms

Loss rate: 0.03%

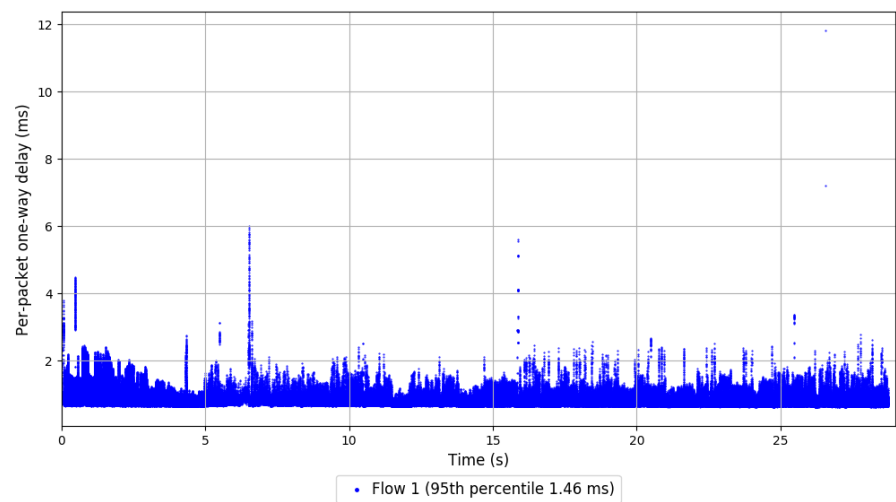
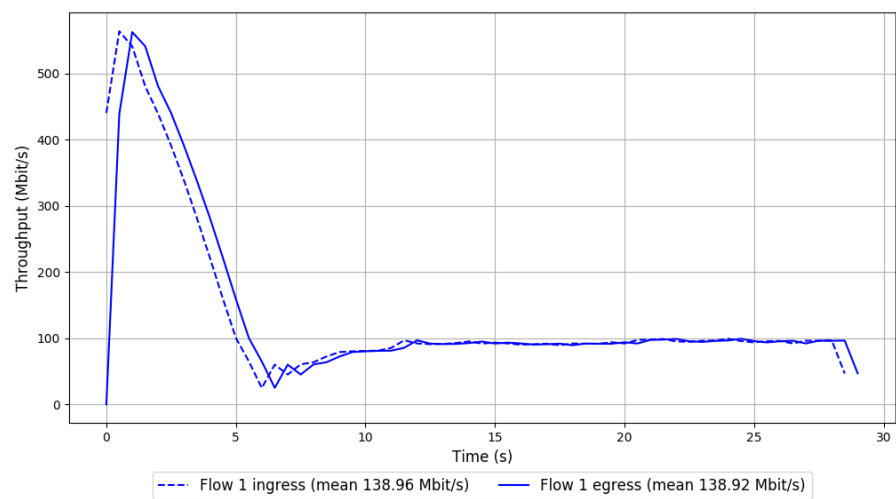
-- Flow 1:

Average throughput: 138.92 Mbit/s

95th percentile per-packet one-way delay: 1.462 ms

Loss rate: 0.03%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-07-17 18:47:02

End at: 2019-07-17 18:47:32

Local clock offset: 7.337 ms

Remote clock offset: 3.05 ms

Below is generated by plot.py at 2019-07-17 20:38:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.87 Mbit/s

95th percentile per-packet one-way delay: 1.390 ms

Loss rate: 0.16%

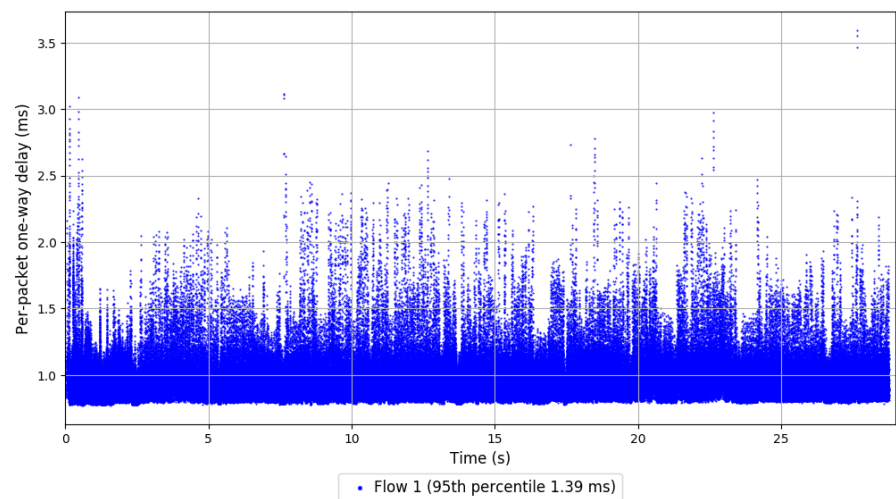
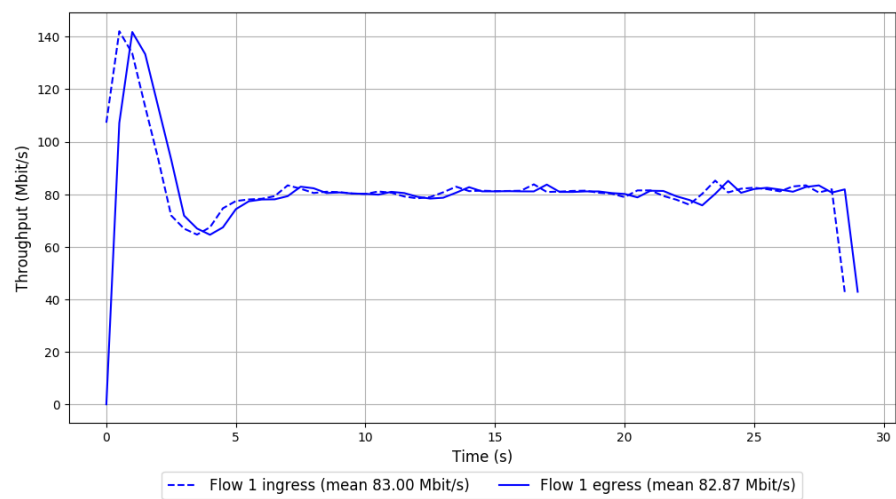
-- Flow 1:

Average throughput: 82.87 Mbit/s

95th percentile per-packet one-way delay: 1.390 ms

Loss rate: 0.16%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-07-17 19:19:10

End at: 2019-07-17 19:19:40

Local clock offset: 7.137 ms

Remote clock offset: -3.726 ms

Below is generated by plot.py at 2019-07-17 20:38:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.34 Mbit/s

95th percentile per-packet one-way delay: 1.444 ms

Loss rate: 0.12%

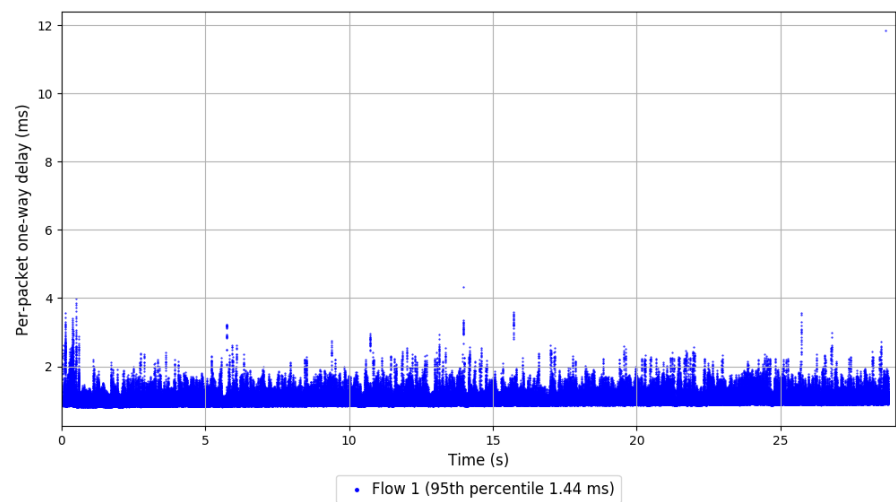
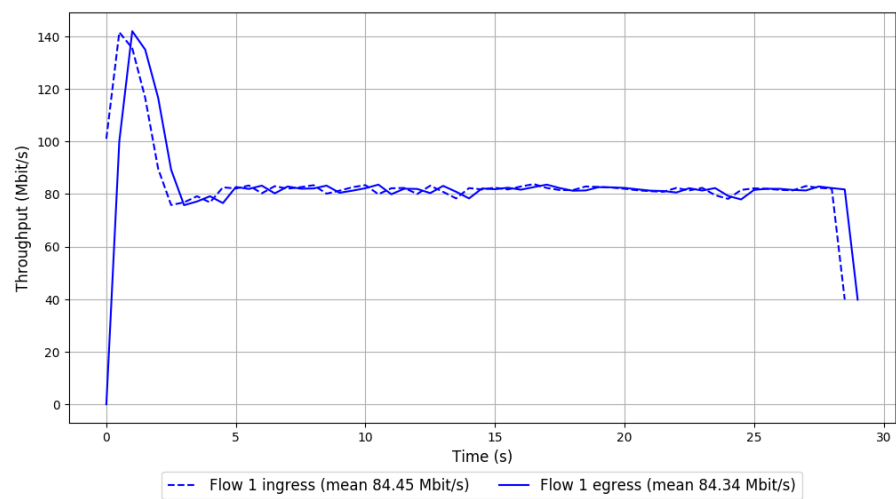
-- Flow 1:

Average throughput: 84.34 Mbit/s

95th percentile per-packet one-way delay: 1.444 ms

Loss rate: 0.12%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-07-17 19:51:19

End at: 2019-07-17 19:51:49

Local clock offset: 6.304 ms

Remote clock offset: -6.687 ms

Below is generated by plot.py at 2019-07-17 20:38:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 134.63 Mbit/s

95th percentile per-packet one-way delay: 1.422 ms

Loss rate: 0.22%

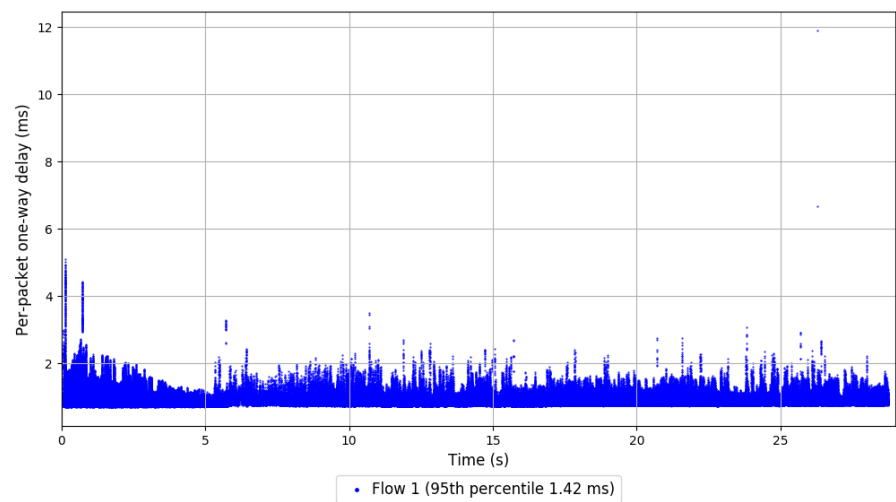
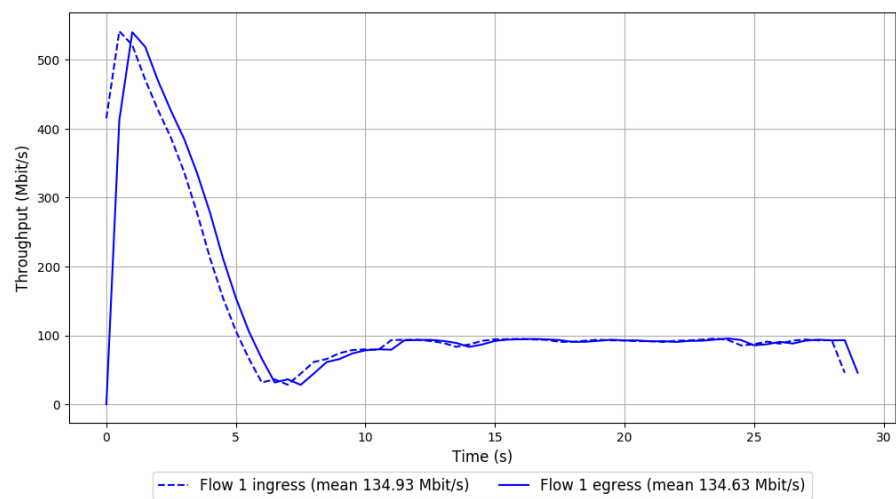
-- Flow 1:

Average throughput: 134.63 Mbit/s

95th percentile per-packet one-way delay: 1.422 ms

Loss rate: 0.22%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MusesT

Start at: 2019-07-17 17:45:26

End at: 2019-07-17 17:45:56

Local clock offset: 7.961 ms

Remote clock offset: -3.865 ms

Below is generated by plot.py at 2019-07-17 20:40:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 281.83 Mbit/s

95th percentile per-packet one-way delay: 1.644 ms

Loss rate: 0.08%

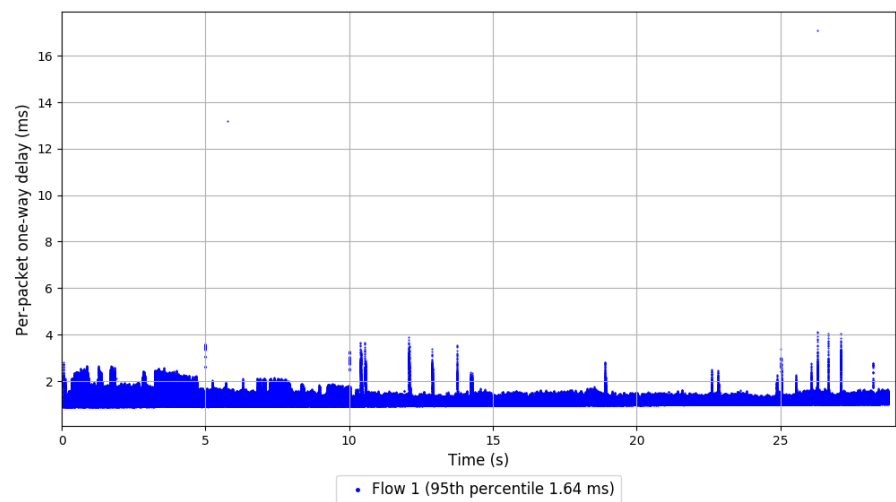
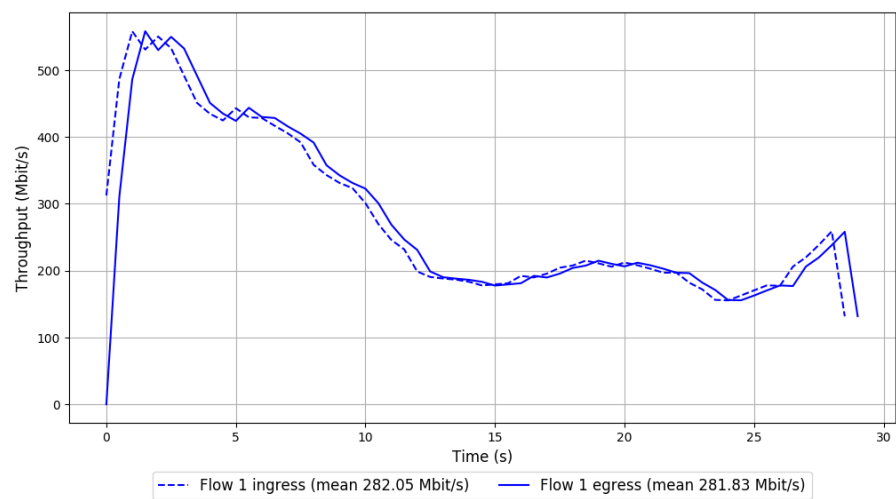
-- Flow 1:

Average throughput: 281.83 Mbit/s

95th percentile per-packet one-way delay: 1.644 ms

Loss rate: 0.08%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-07-17 18:17:39

End at: 2019-07-17 18:18:09

Local clock offset: 8.393 ms

Remote clock offset: 4.304 ms

Below is generated by plot.py at 2019-07-17 20:40:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 258.45 Mbit/s

95th percentile per-packet one-way delay: 1.301 ms

Loss rate: 0.13%

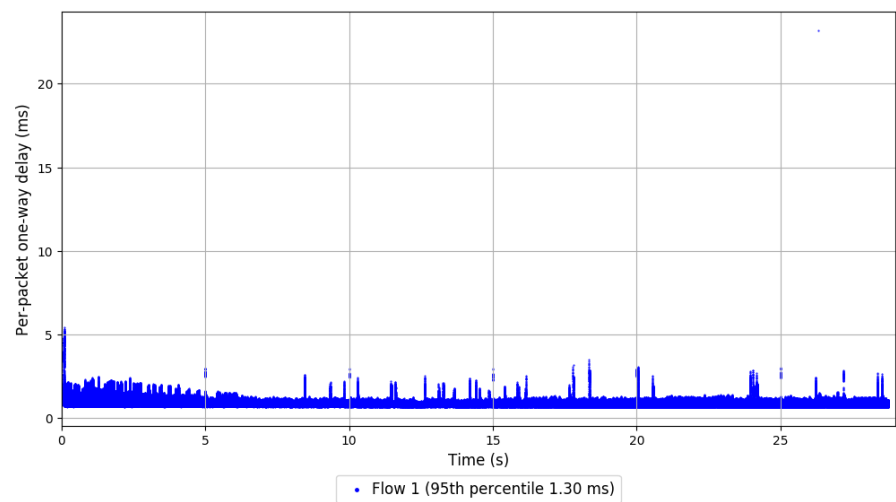
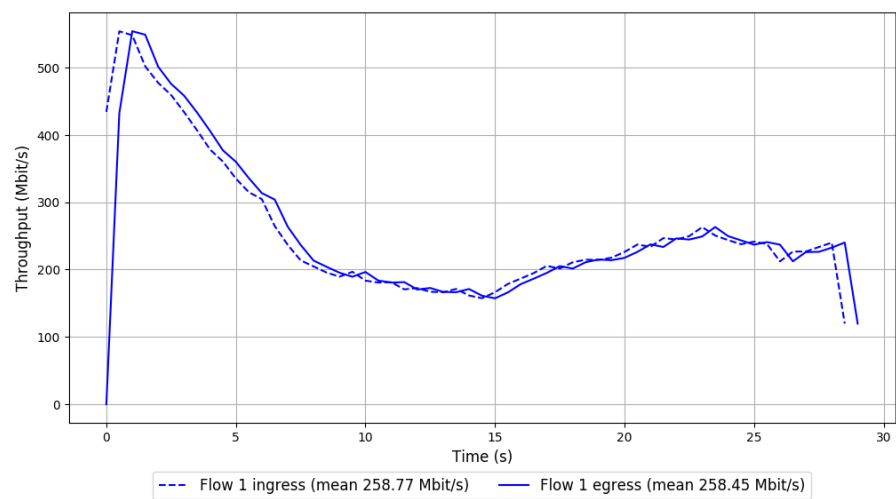
-- Flow 1:

Average throughput: 258.45 Mbit/s

95th percentile per-packet one-way delay: 1.301 ms

Loss rate: 0.13%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

Start at: 2019-07-17 18:49:35

End at: 2019-07-17 18:50:05

Local clock offset: 7.36 ms

Remote clock offset: 3.022 ms

Below is generated by plot.py at 2019-07-17 20:40:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 292.53 Mbit/s

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

Loss rate: 0.12%

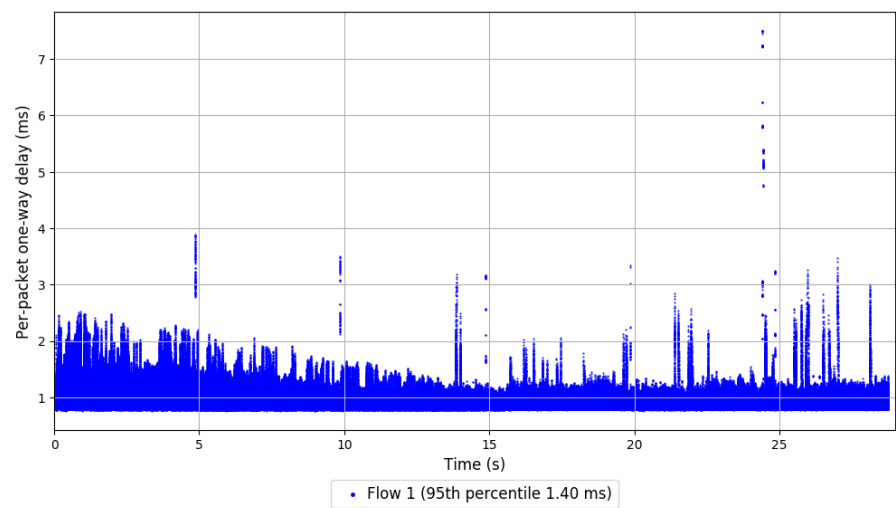
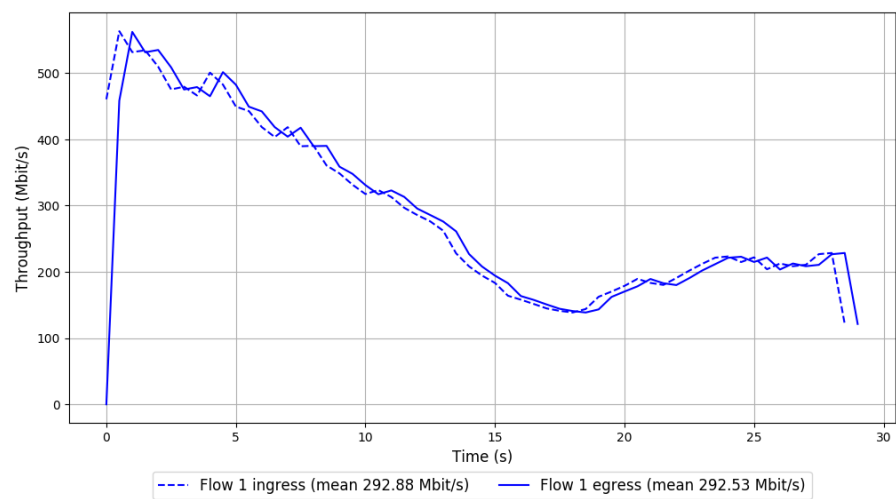
-- Flow 1:

Average throughput: 292.53 Mbit/s

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

Loss rate: 0.12%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2019-07-17 19:21:43

End at: 2019-07-17 19:22:13

Local clock offset: 7.156 ms

Remote clock offset: -4.104 ms

Below is generated by plot.py at 2019-07-17 20:41:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 302.89 Mbit/s

95th percentile per-packet one-way delay: 1.436 ms

Loss rate: 0.11%

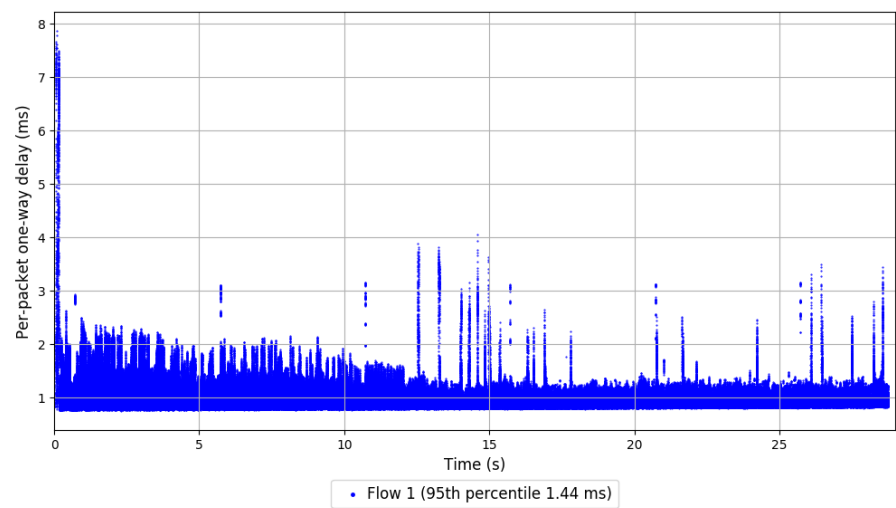
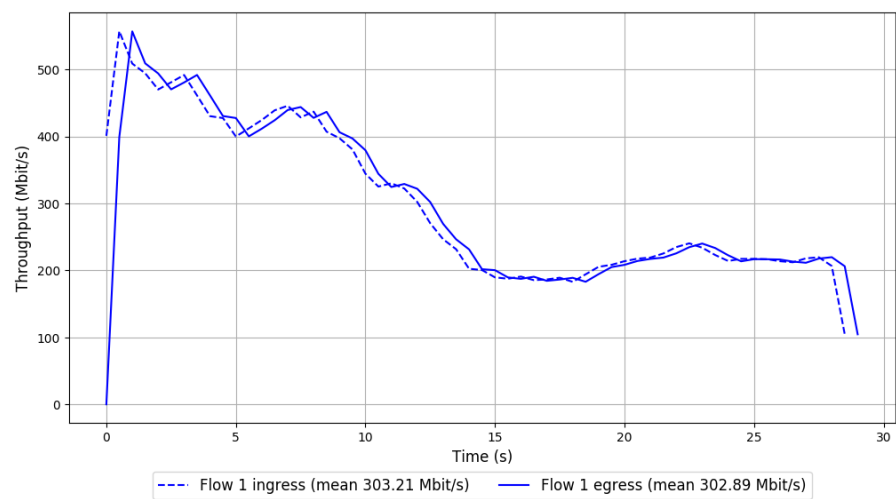
-- Flow 1:

Average throughput: 302.89 Mbit/s

95th percentile per-packet one-way delay: 1.436 ms

Loss rate: 0.11%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-07-17 19:53:53

End at: 2019-07-17 19:54:23

Local clock offset: 6.26 ms

Remote clock offset: -6.849 ms

Below is generated by plot.py at 2019-07-17 20:41:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 250.83 Mbit/s

95th percentile per-packet one-way delay: 1.395 ms

Loss rate: 0.18%

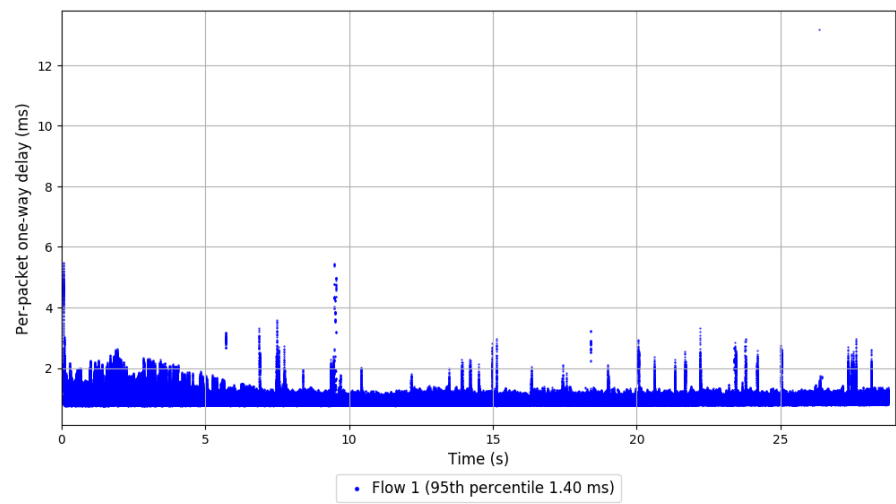
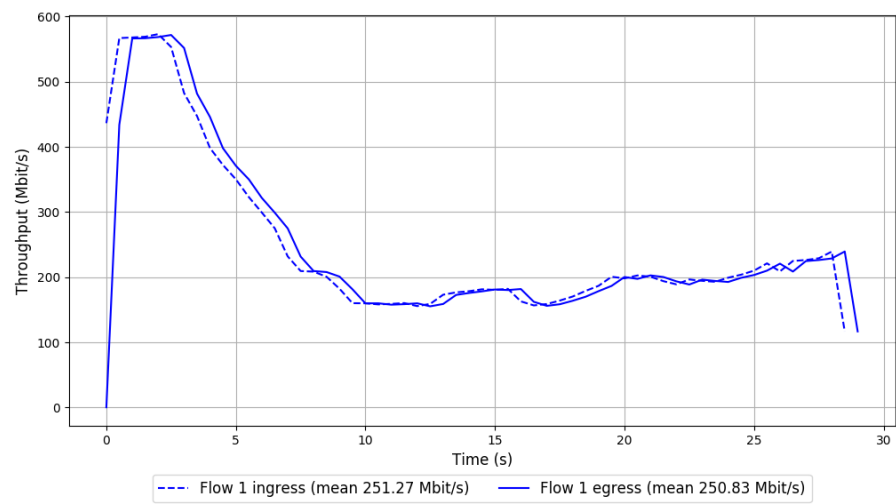
-- Flow 1:

Average throughput: 250.83 Mbit/s

95th percentile per-packet one-way delay: 1.395 ms

Loss rate: 0.18%

Run 5: Report of Indigo-MusesT — Data Link

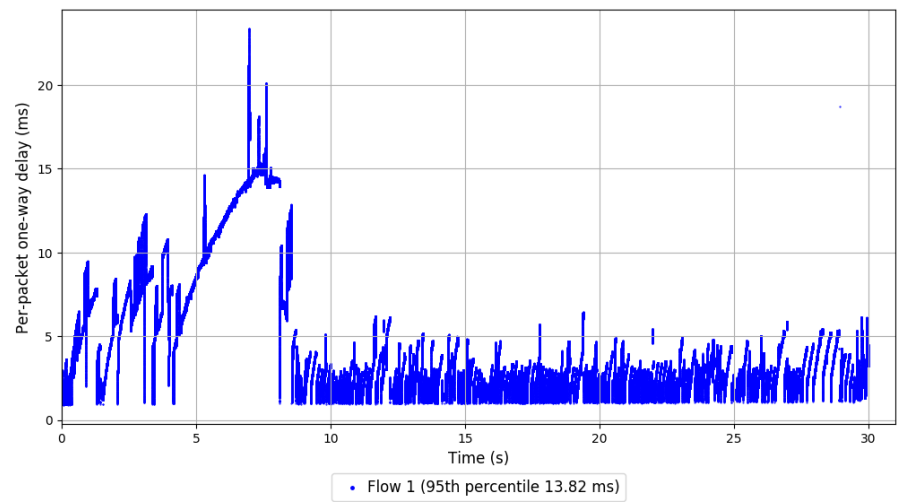
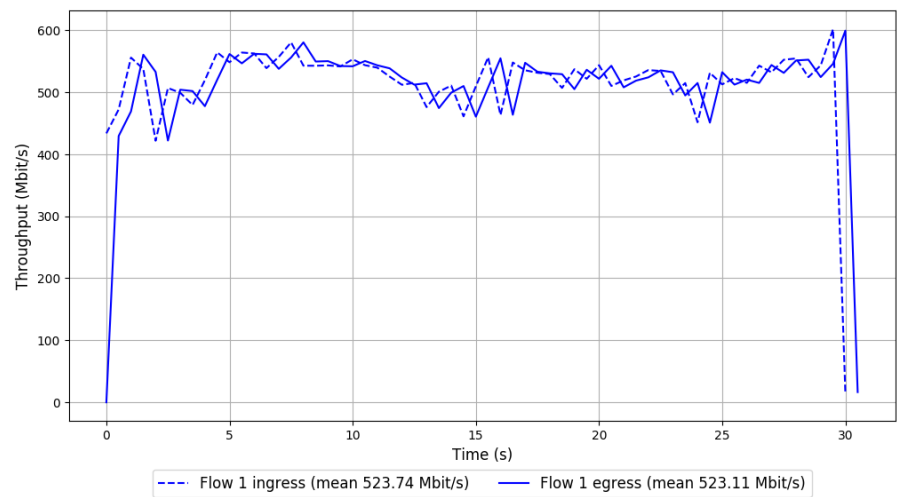


Run 1: Statistics of LEDBAT

Start at: 2019-07-17 17:41:15
End at: 2019-07-17 17:41:45
Local clock offset: 6.807 ms
Remote clock offset: -3.694 ms

Below is generated by plot.py at 2019-07-17 20:44:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 523.11 Mbit/s
95th percentile per-packet one-way delay: 13.823 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 523.11 Mbit/s
95th percentile per-packet one-way delay: 13.823 ms
Loss rate: 0.12%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2019-07-17 18:13:31

End at: 2019-07-17 18:14:01

Local clock offset: 8.263 ms

Remote clock offset: 3.871 ms

Below is generated by plot.py at 2019-07-17 20:44:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 474.97 Mbit/s

95th percentile per-packet one-way delay: 11.316 ms

Loss rate: 0.14%

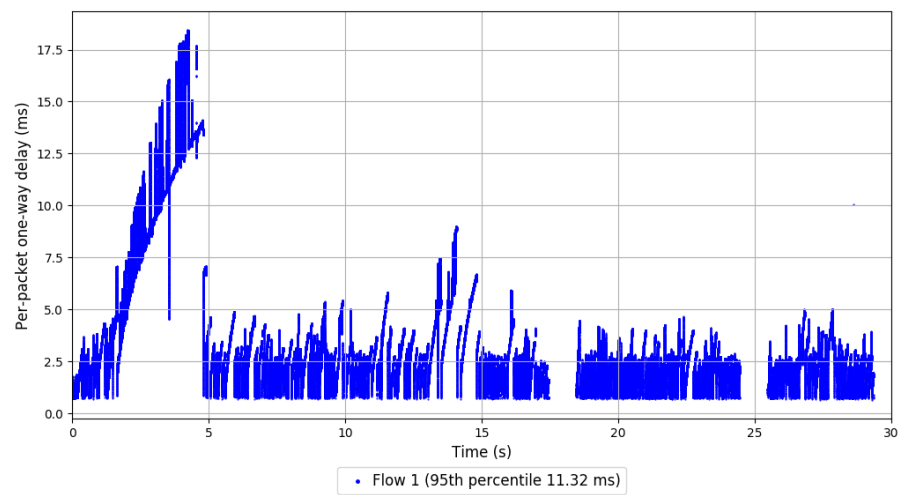
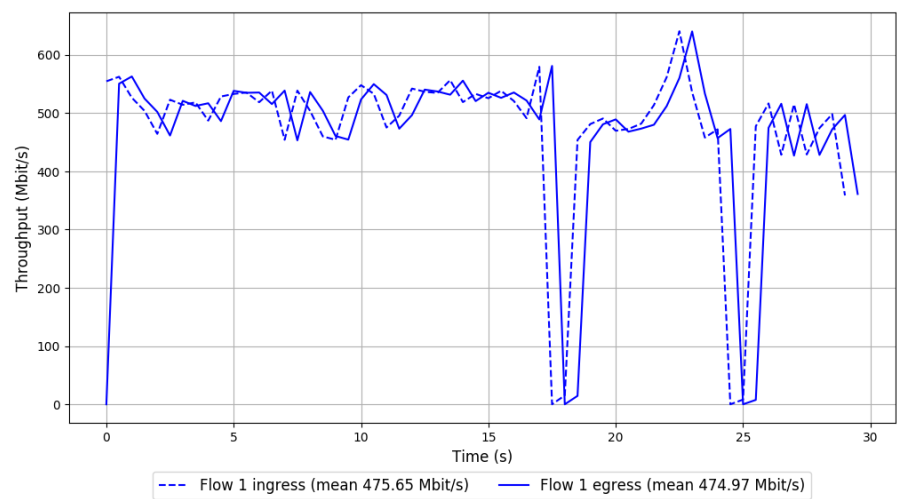
-- Flow 1:

Average throughput: 474.97 Mbit/s

95th percentile per-packet one-way delay: 11.316 ms

Loss rate: 0.14%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2019-07-17 18:45:29

End at: 2019-07-17 18:45:59

Local clock offset: 7.327 ms

Remote clock offset: 3.041 ms

Below is generated by plot.py at 2019-07-17 20:44:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 430.33 Mbit/s

95th percentile per-packet one-way delay: 9.568 ms

Loss rate: 0.17%

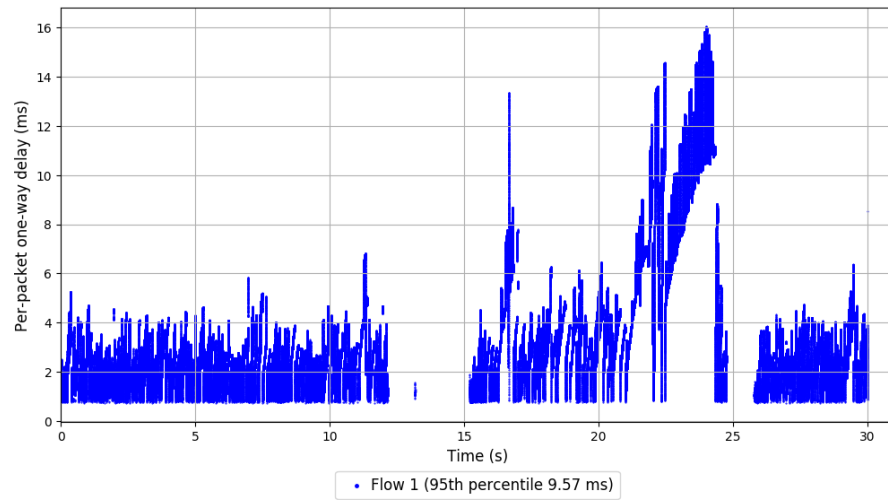
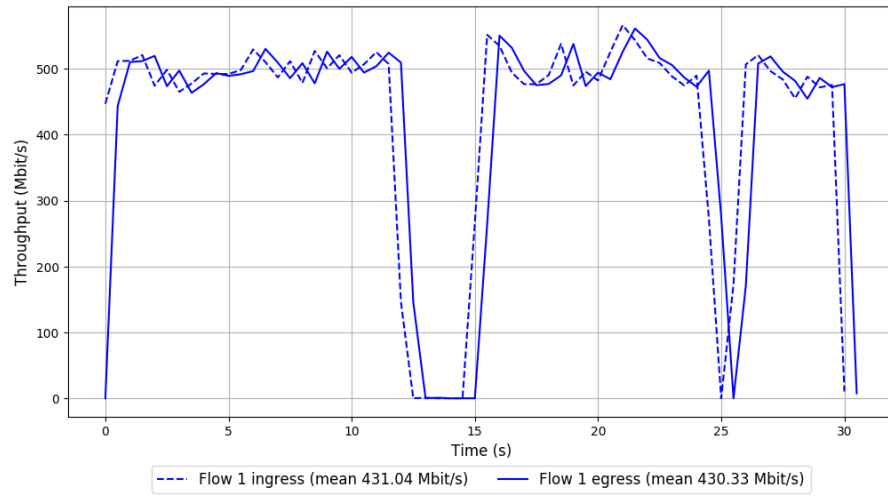
-- Flow 1:

Average throughput: 430.33 Mbit/s

95th percentile per-packet one-way delay: 9.568 ms

Loss rate: 0.17%

Run 3: Report of LEDBAT — Data Link

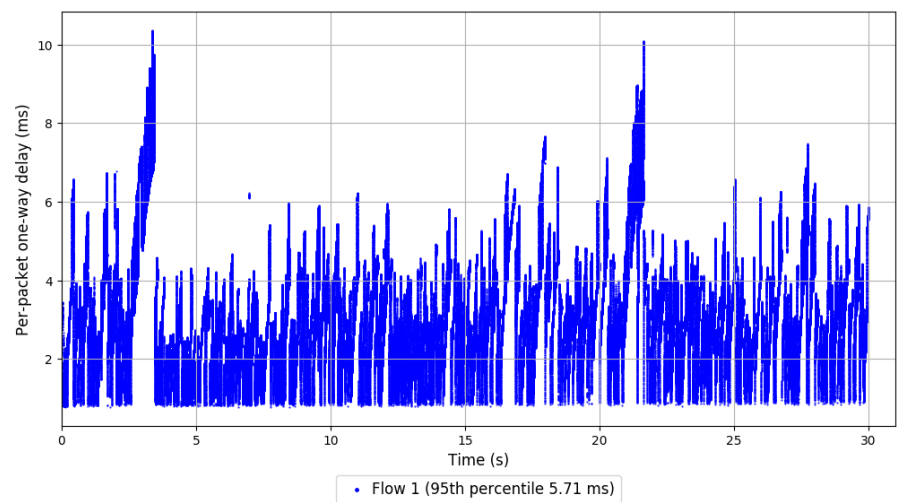
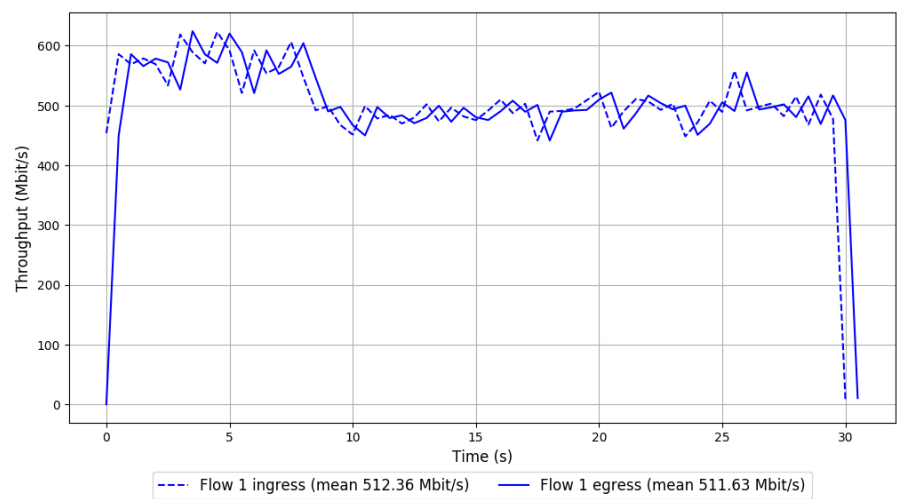


Run 4: Statistics of LEDBAT

Start at: 2019-07-17 19:17:34
End at: 2019-07-17 19:18:04
Local clock offset: 7.118 ms
Remote clock offset: -3.506 ms

Below is generated by plot.py at 2019-07-17 20:46:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 511.63 Mbit/s
95th percentile per-packet one-way delay: 5.713 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 511.63 Mbit/s
95th percentile per-packet one-way delay: 5.713 ms
Loss rate: 0.14%

Run 4: Report of LEDBAT — Data Link

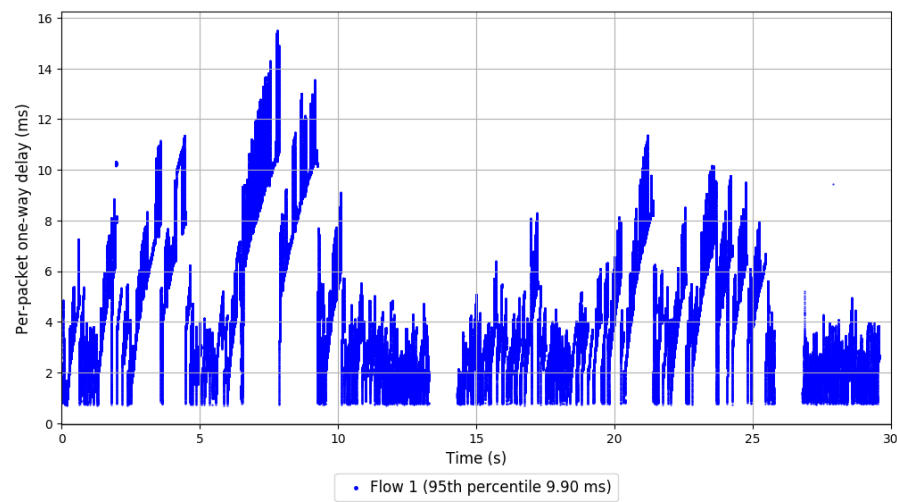
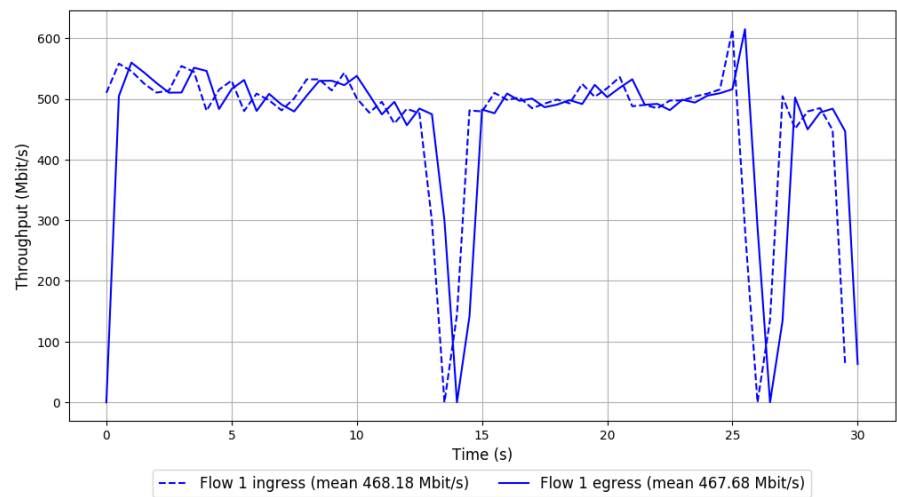


Run 5: Statistics of LEDBAT

Start at: 2019-07-17 19:49:45
End at: 2019-07-17 19:50:15
Local clock offset: 6.3 ms
Remote clock offset: -6.524 ms

Below is generated by plot.py at 2019-07-17 20:46:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 467.68 Mbit/s
95th percentile per-packet one-way delay: 9.898 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 467.68 Mbit/s
95th percentile per-packet one-way delay: 9.898 ms
Loss rate: 0.10%

Run 5: Report of LEDBAT — Data Link

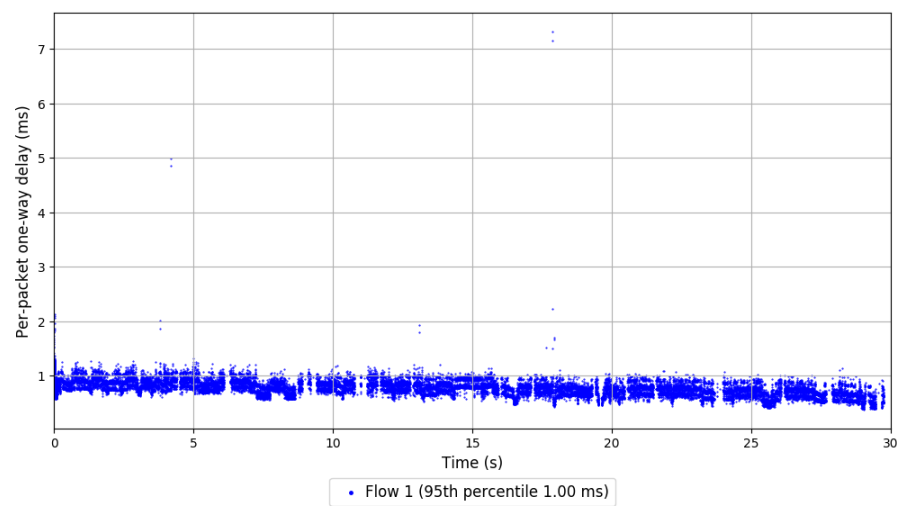
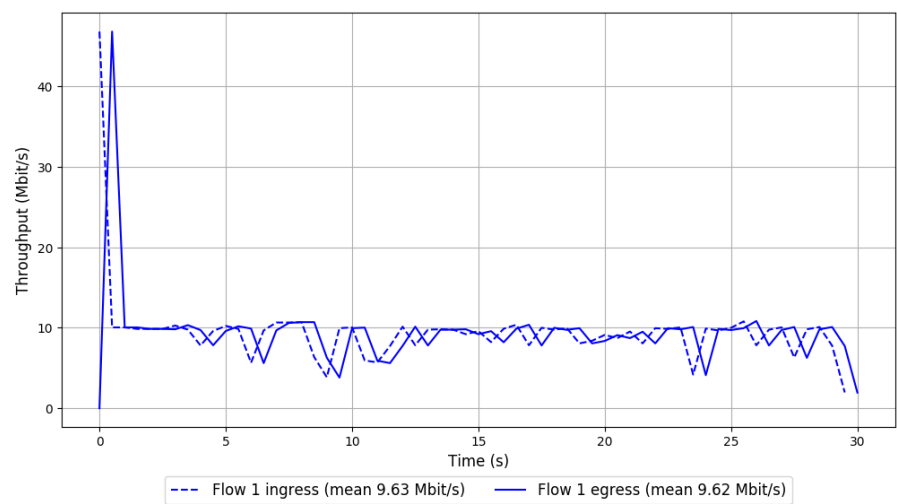


Run 1: Statistics of Muses_DecisionTree

Start at: 2019-07-17 17:51:57
End at: 2019-07-17 17:52:27
Local clock offset: 9.26 ms
Remote clock offset: -2.813 ms

Below is generated by plot.py at 2019-07-17 20:46:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.62 Mbit/s
95th percentile per-packet one-way delay: 0.999 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 9.62 Mbit/s
95th percentile per-packet one-way delay: 0.999 ms
Loss rate: 0.12%

Run 1: Report of Muses_DecisionTree — Data Link



Run 2: Statistics of Muses_DecisionTree

Start at: 2019-07-17 18:24:06

End at: 2019-07-17 18:24:36

Local clock offset: 8.713 ms

Remote clock offset: 4.944 ms

Below is generated by plot.py at 2019-07-17 20:46:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.10 Mbit/s

95th percentile per-packet one-way delay: 1.339 ms

Loss rate: 0.10%

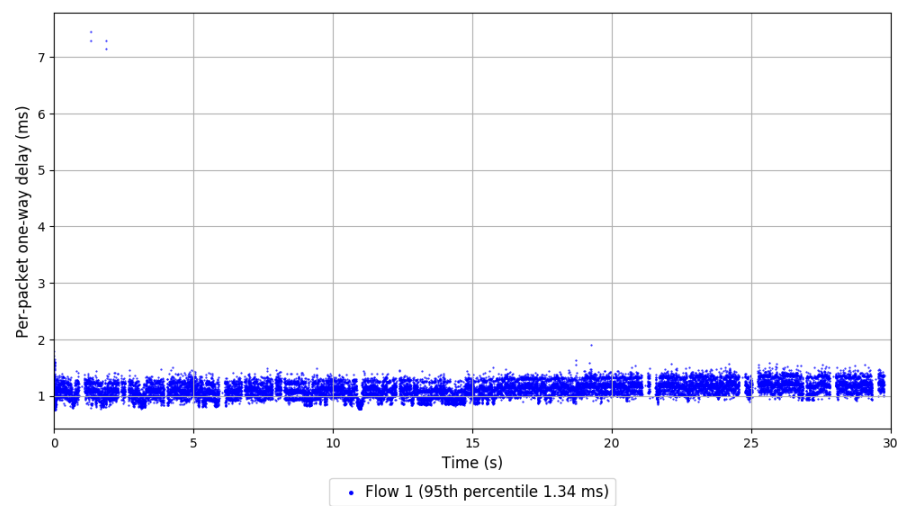
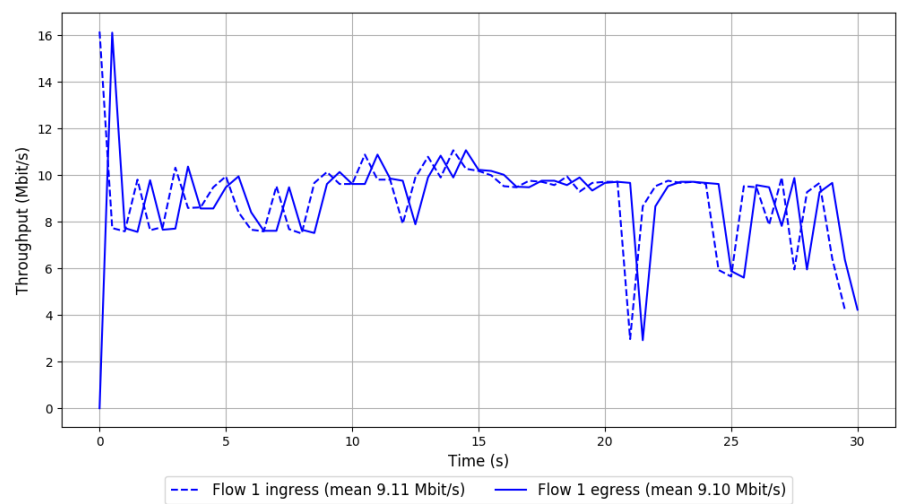
-- Flow 1:

Average throughput: 9.10 Mbit/s

95th percentile per-packet one-way delay: 1.339 ms

Loss rate: 0.10%

Run 2: Report of Muses_DecisionTree — Data Link



Run 3: Statistics of Muses_DecisionTree

Start at: 2019-07-17 18:56:04

End at: 2019-07-17 18:56:34

Local clock offset: 7.45 ms

Remote clock offset: 3.015 ms

Below is generated by plot.py at 2019-07-17 20:46:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.26 Mbit/s

95th percentile per-packet one-way delay: 1.190 ms

Loss rate: 0.08%

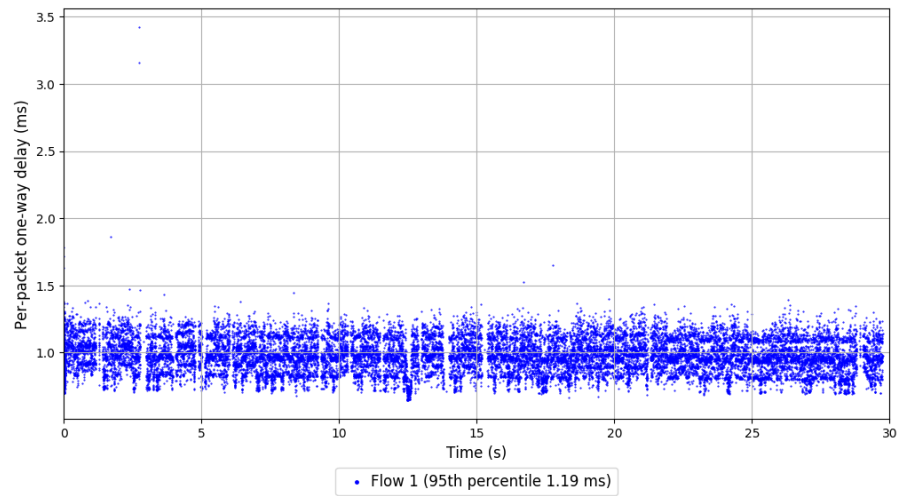
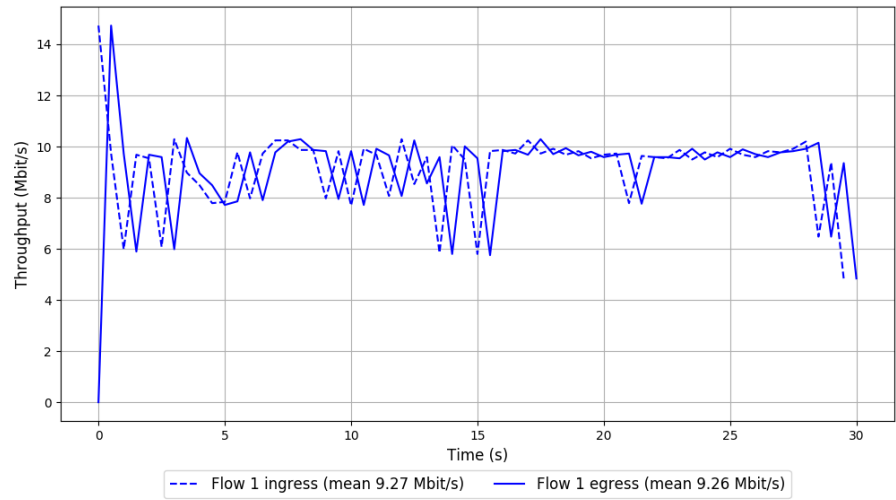
-- Flow 1:

Average throughput: 9.26 Mbit/s

95th percentile per-packet one-way delay: 1.190 ms

Loss rate: 0.08%

Run 3: Report of Muses_DecisionTree — Data Link

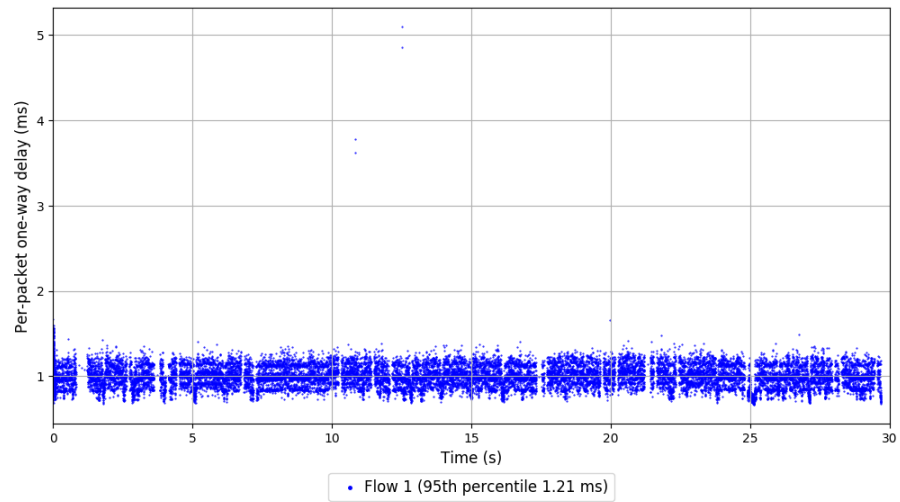
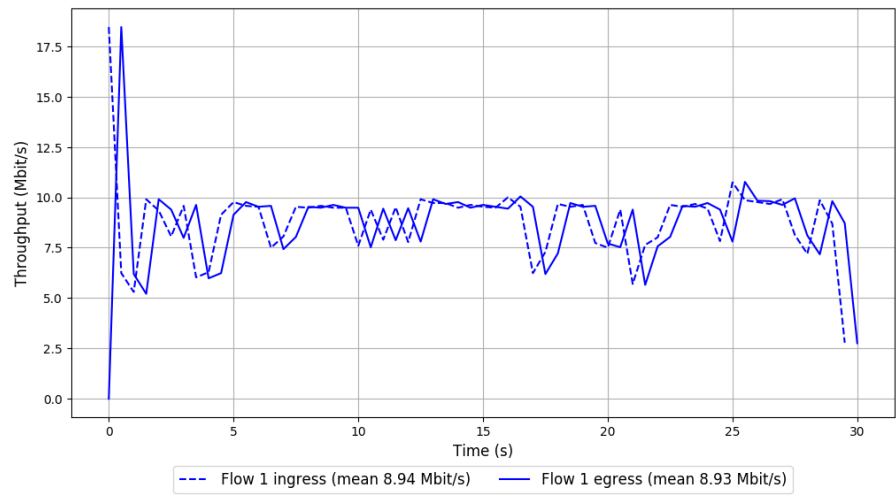


Run 4: Statistics of Muses_DecisionTree

Start at: 2019-07-17 19:28:22
End at: 2019-07-17 19:28:52
Local clock offset: 6.912 ms
Remote clock offset: -4.805 ms

Below is generated by plot.py at 2019-07-17 20:46:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 8.93 Mbit/s
95th percentile per-packet one-way delay: 1.207 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 8.93 Mbit/s
95th percentile per-packet one-way delay: 1.207 ms
Loss rate: 0.12%

Run 4: Report of Muses_DecisionTree — Data Link

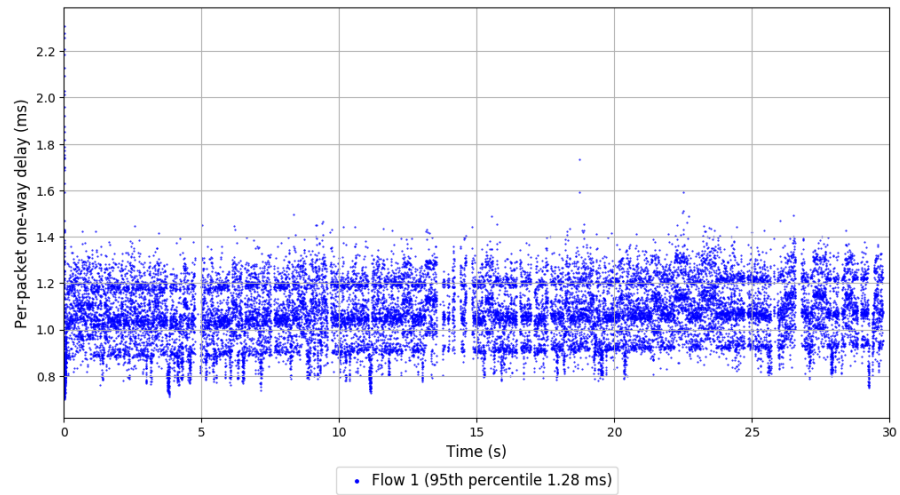
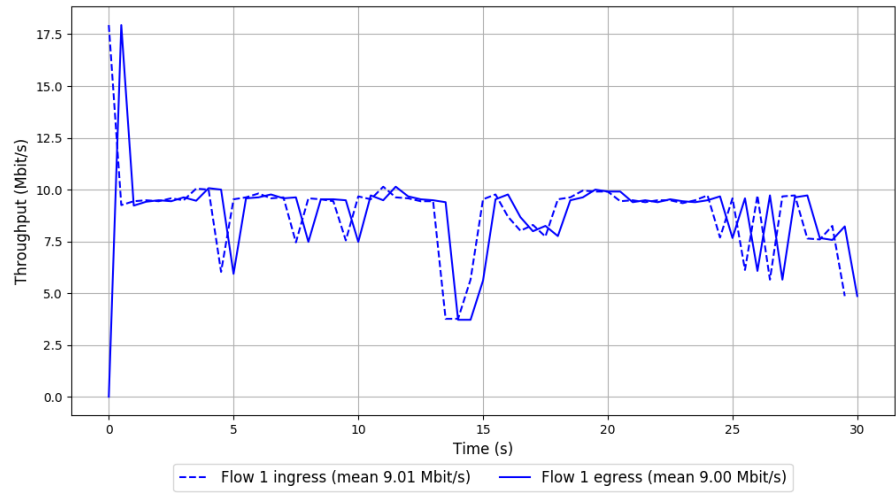


Run 5: Statistics of Muses_DecisionTree

Start at: 2019-07-17 20:00:18
End at: 2019-07-17 20:00:48
Local clock offset: 6.422 ms
Remote clock offset: -7.324 ms

Below is generated by plot.py at 2019-07-17 20:46:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.00 Mbit/s
95th percentile per-packet one-way delay: 1.282 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 9.00 Mbit/s
95th percentile per-packet one-way delay: 1.282 ms
Loss rate: 0.10%

Run 5: Report of Muses_DecisionTree — Data Link

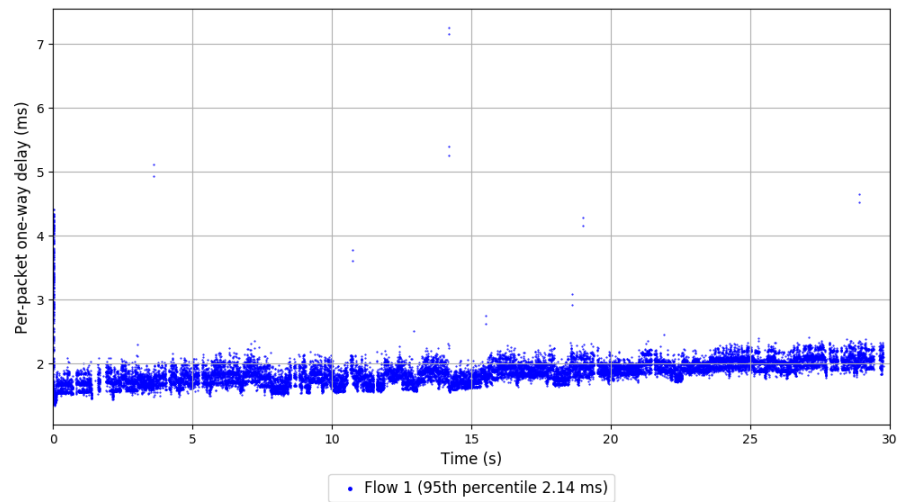
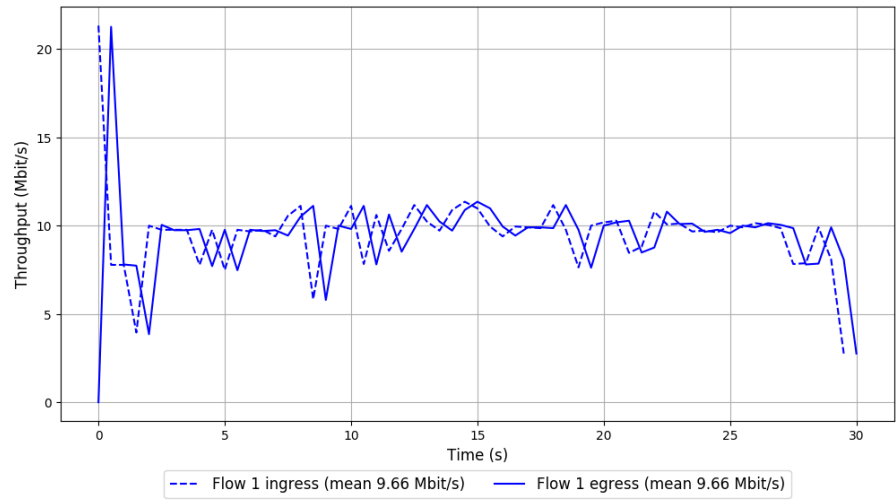


Run 1: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-17 17:32:04
End at: 2019-07-17 17:32:34
Local clock offset: 1.818 ms
Remote clock offset: -3.147 ms

Below is generated by plot.py at 2019-07-17 20:46:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.66 Mbit/s
95th percentile per-packet one-way delay: 2.137 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 9.66 Mbit/s
95th percentile per-packet one-way delay: 2.137 ms
Loss rate: 0.07%

Run 1: Report of Muses_DecisionTreeH0 — Data Link



Run 2: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-17 18:04:19

End at: 2019-07-17 18:04:49

Local clock offset: 8.359 ms

Remote clock offset: 2.376 ms

Below is generated by plot.py at 2019-07-17 20:46:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.37 Mbit/s

95th percentile per-packet one-way delay: 1.181 ms

Loss rate: 0.13%

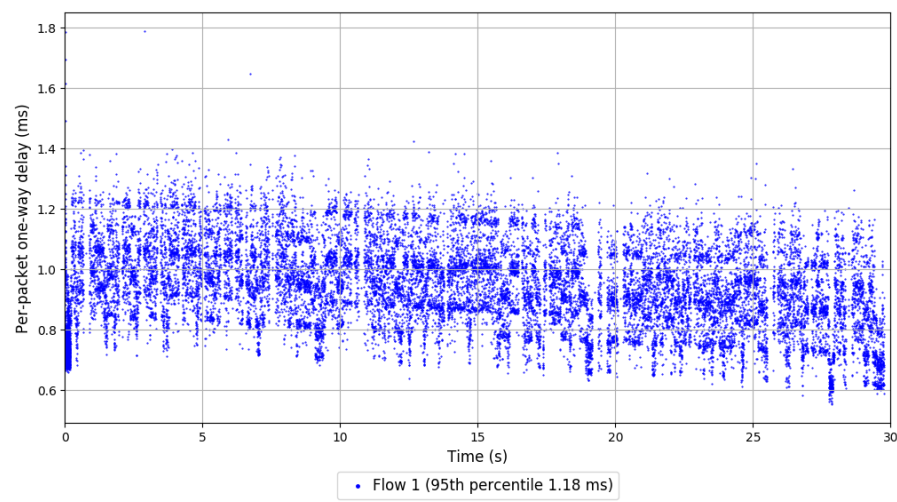
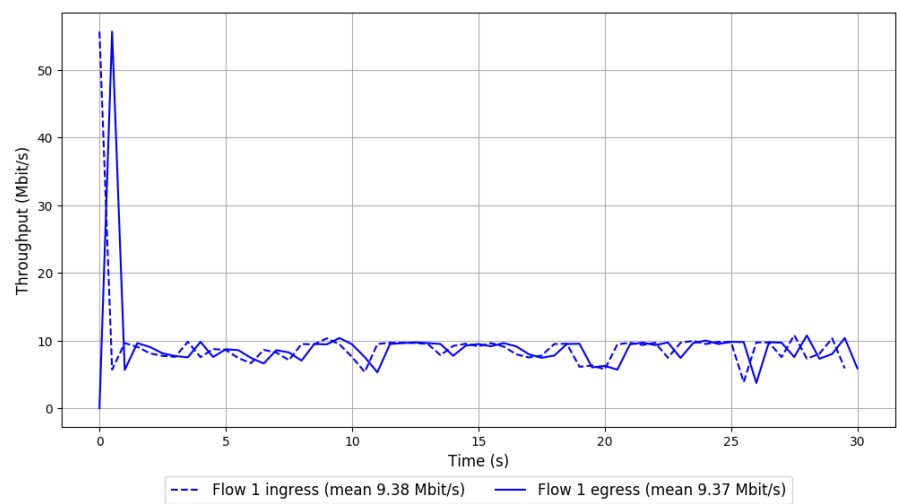
-- Flow 1:

Average throughput: 9.37 Mbit/s

95th percentile per-packet one-way delay: 1.181 ms

Loss rate: 0.13%

Run 2: Report of Muses_DecisionTreeH0 — Data Link



Run 3: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-17 18:36:20

End at: 2019-07-17 18:36:50

Local clock offset: 7.421 ms

Remote clock offset: 3.322 ms

Below is generated by plot.py at 2019-07-17 20:46:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.63 Mbit/s

95th percentile per-packet one-way delay: 1.302 ms

Loss rate: 0.16%

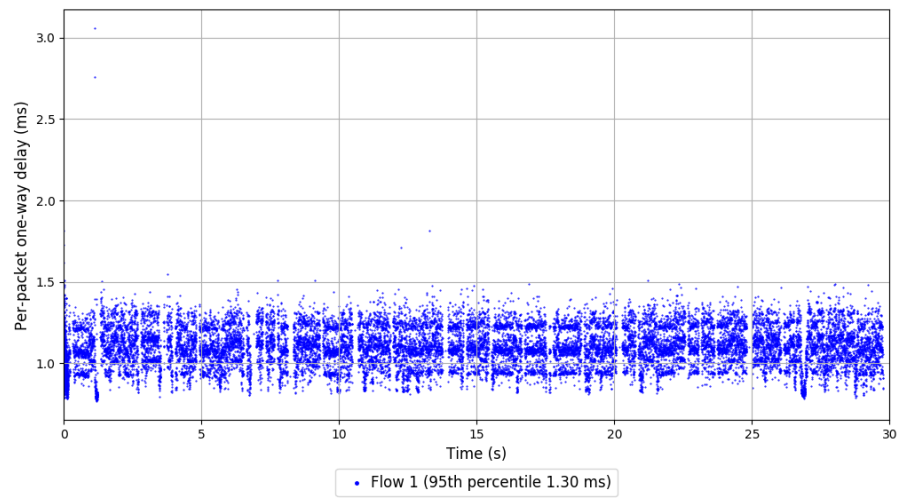
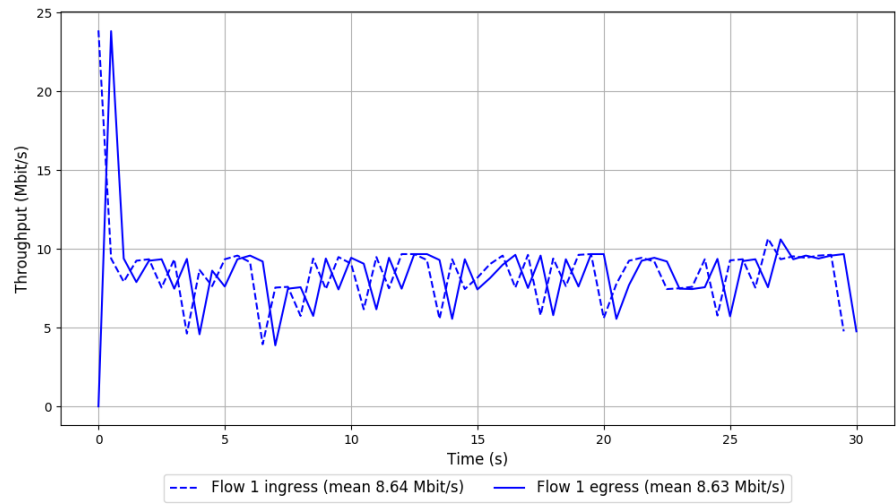
-- Flow 1:

Average throughput: 8.63 Mbit/s

95th percentile per-packet one-way delay: 1.302 ms

Loss rate: 0.16%

Run 3: Report of Muses_DecisionTreeH0 — Data Link

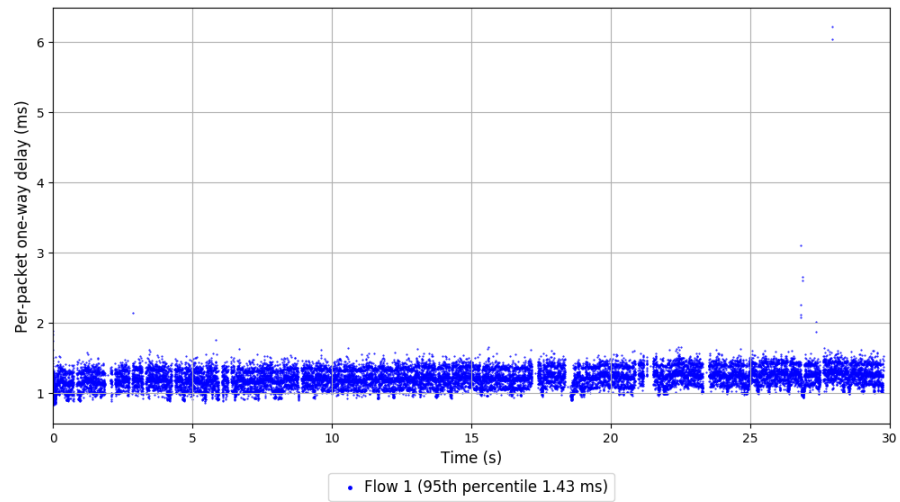
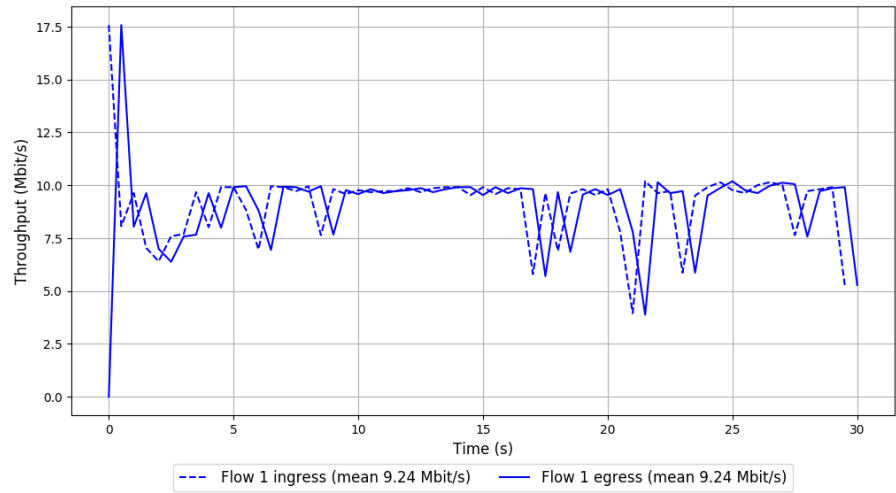


Run 4: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-17 19:08:28
End at: 2019-07-17 19:08:58
Local clock offset: 7.042 ms
Remote clock offset: -1.644 ms

Below is generated by plot.py at 2019-07-17 20:46:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.24 Mbit/s
95th percentile per-packet one-way delay: 1.431 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 9.24 Mbit/s
95th percentile per-packet one-way delay: 1.431 ms
Loss rate: 0.09%

Run 4: Report of Muses_DecisionTreeH0 — Data Link

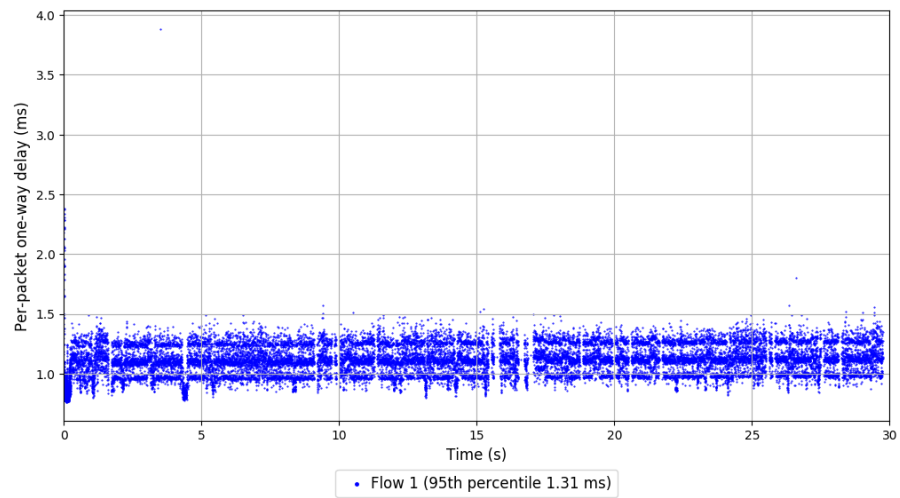
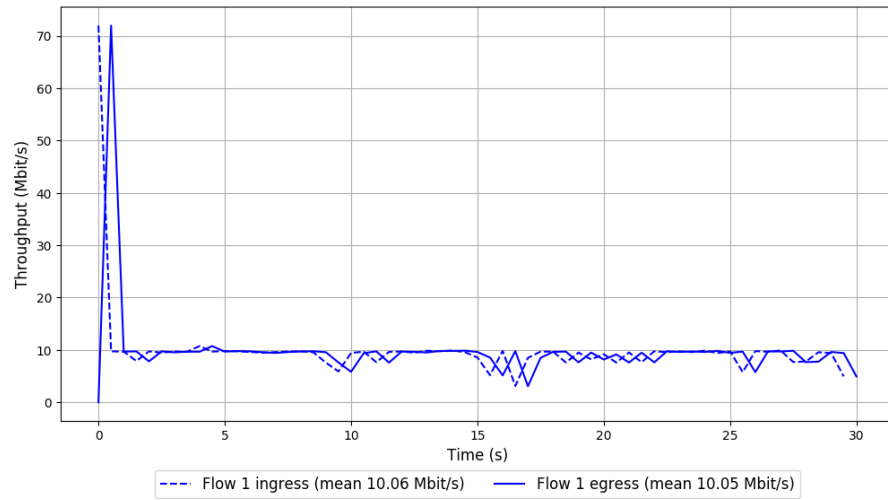


Run 5: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-17 19:40:42
End at: 2019-07-17 19:41:12
Local clock offset: 6.39 ms
Remote clock offset: -5.779 ms

Below is generated by plot.py at 2019-07-17 20:46:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.05 Mbit/s
95th percentile per-packet one-way delay: 1.308 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 10.05 Mbit/s
95th percentile per-packet one-way delay: 1.308 ms
Loss rate: 0.09%

Run 5: Report of Muses_DecisionTreeH0 — Data Link

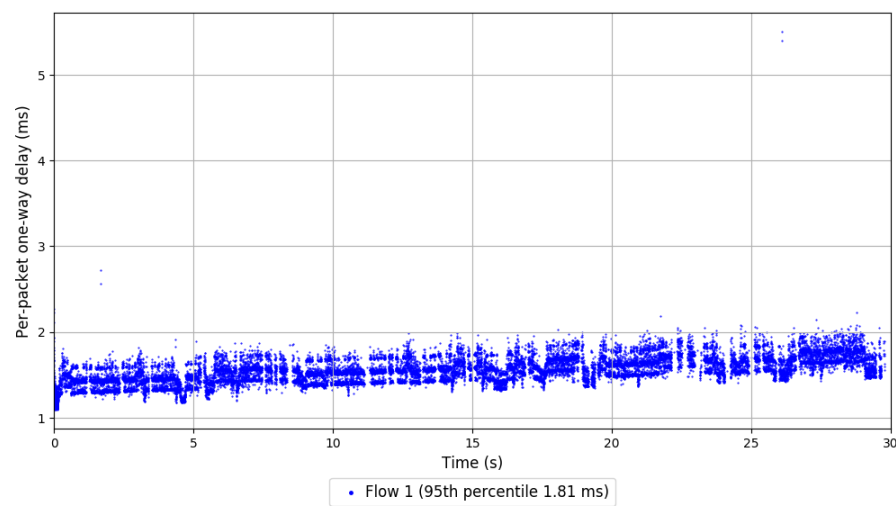
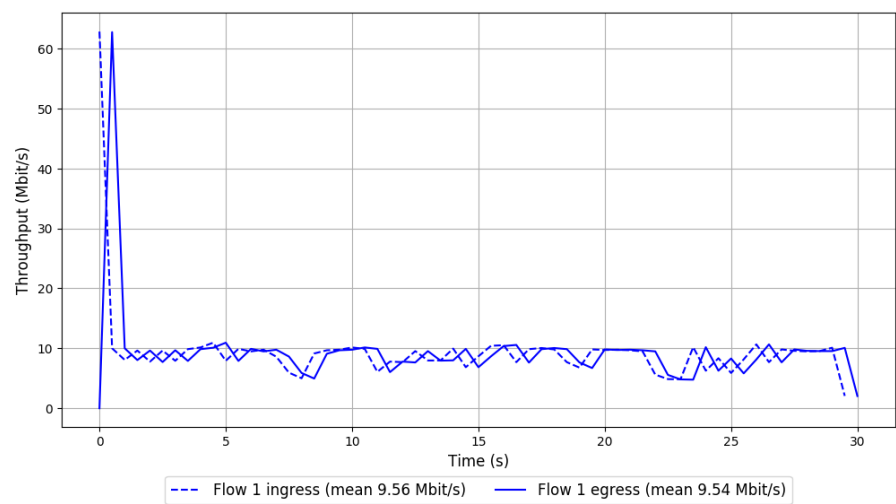


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-17 17:34:42
End at: 2019-07-17 17:35:12
Local clock offset: 3.748 ms
Remote clock offset: -3.377 ms

# Below is generated by plot.py at 2019-07-17 20:46:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.54 Mbit/s
95th percentile per-packet one-way delay: 1.810 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 9.54 Mbit/s
95th percentile per-packet one-way delay: 1.810 ms
Loss rate: 0.17%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link



Run 2: Statistics of Muses_DecisionTreeR0

Start at: 2019-07-17 18:06:57

End at: 2019-07-17 18:07:27

Local clock offset: 8.27 ms

Remote clock offset: 2.917 ms

Below is generated by plot.py at 2019-07-17 20:46:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.36 Mbit/s

95th percentile per-packet one-way delay: 1.233 ms

Loss rate: 0.06%

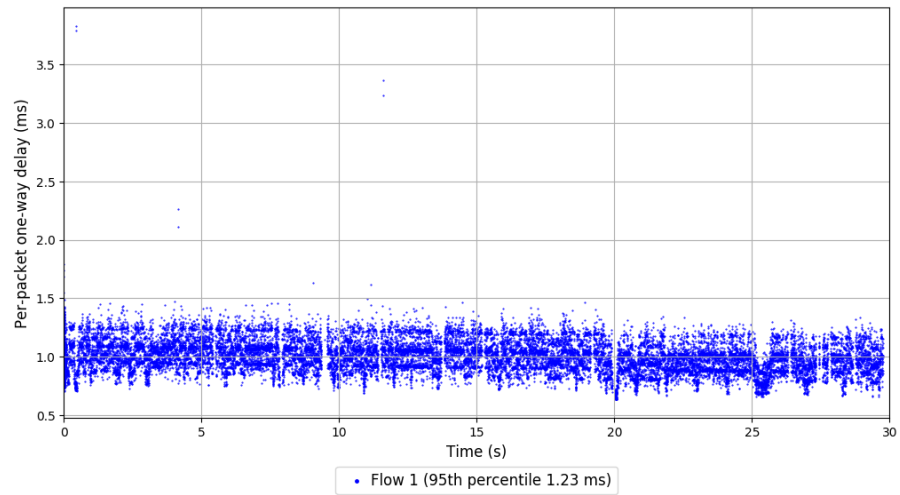
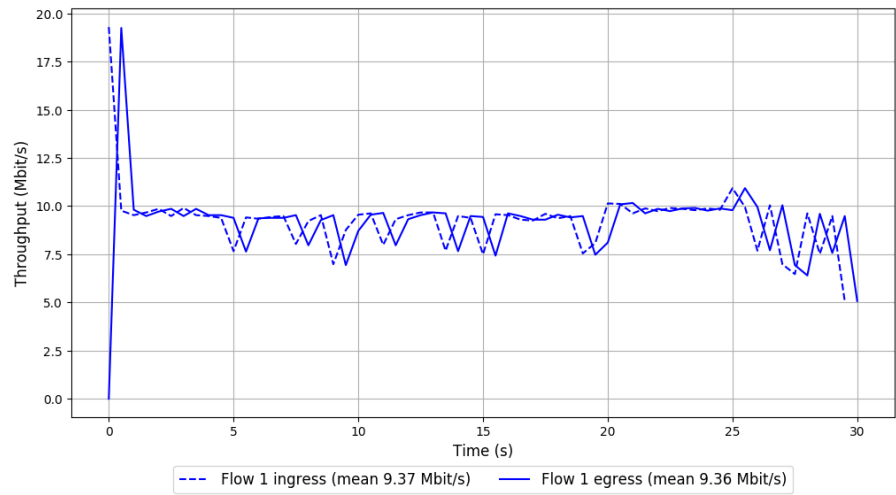
-- Flow 1:

Average throughput: 9.36 Mbit/s

95th percentile per-packet one-way delay: 1.233 ms

Loss rate: 0.06%

Run 2: Report of Muses_DecisionTreeR0 — Data Link



Run 3: Statistics of Muses_DecisionTreeR0

Start at: 2019-07-17 18:38:57

End at: 2019-07-17 18:39:27

Local clock offset: 7.324 ms

Remote clock offset: 3.217 ms

Below is generated by plot.py at 2019-07-17 20:46:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.85 Mbit/s

95th percentile per-packet one-way delay: 1.342 ms

Loss rate: 0.12%

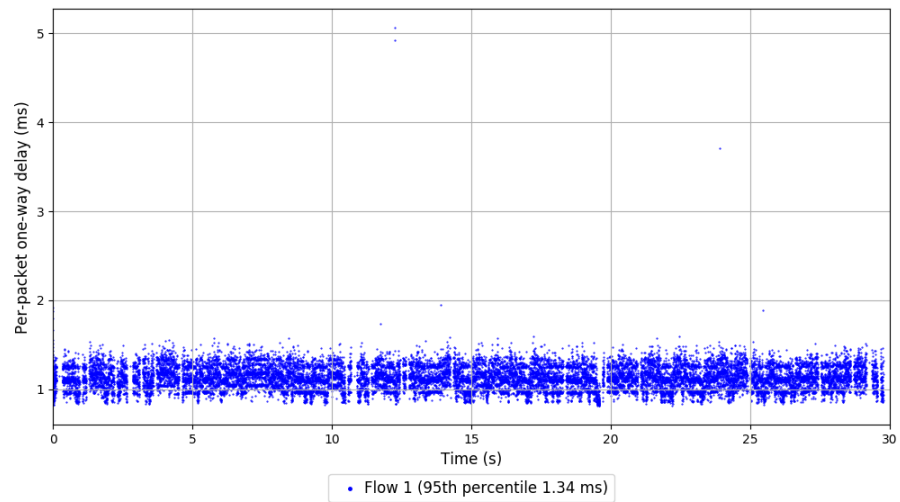
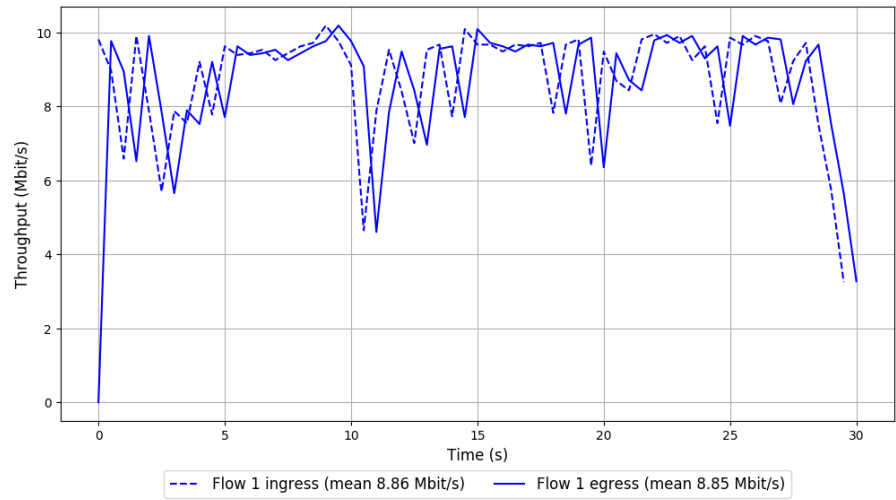
-- Flow 1:

Average throughput: 8.85 Mbit/s

95th percentile per-packet one-way delay: 1.342 ms

Loss rate: 0.12%

Run 3: Report of Muses_DecisionTreeR0 — Data Link

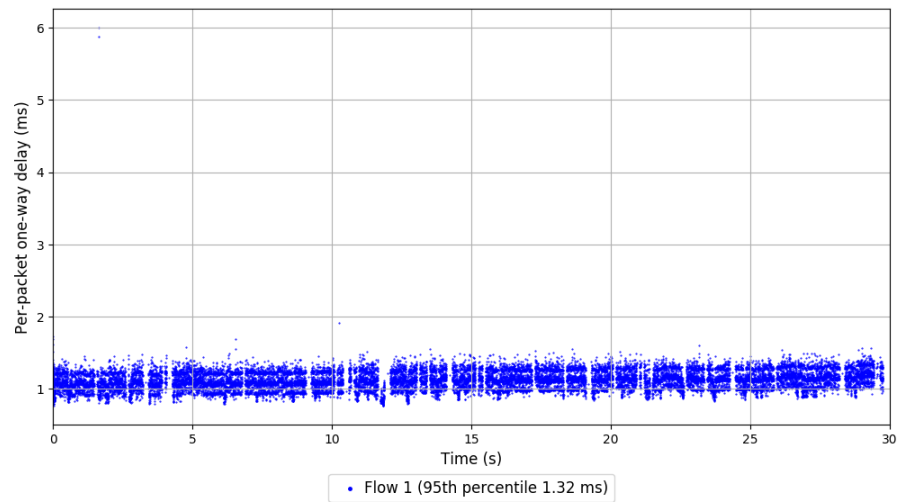
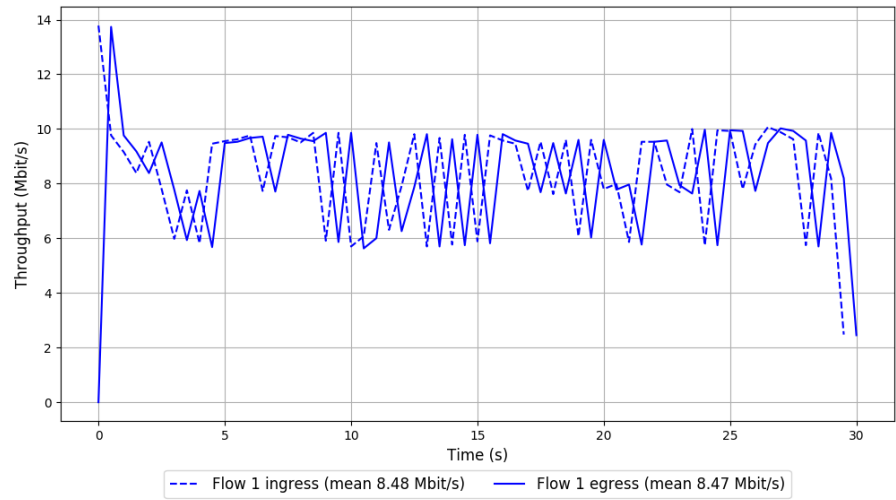


Run 4: Statistics of Muses_DecisionTreeR0

Start at: 2019-07-17 19:11:05
End at: 2019-07-17 19:11:35
Local clock offset: 7.038 ms
Remote clock offset: -2.405 ms

Below is generated by plot.py at 2019-07-17 20:46:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 8.47 Mbit/s
95th percentile per-packet one-way delay: 1.324 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 8.47 Mbit/s
95th percentile per-packet one-way delay: 1.324 ms
Loss rate: 0.20%

Run 4: Report of Muses_DecisionTreeR0 — Data Link

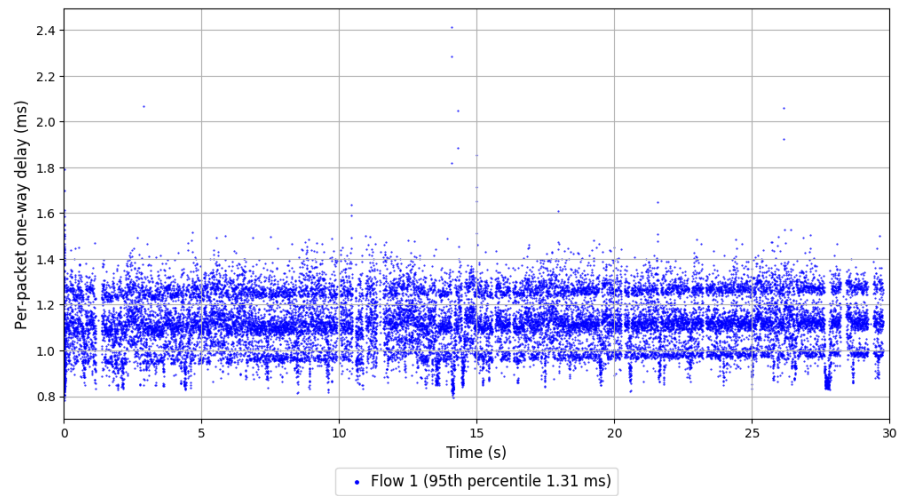
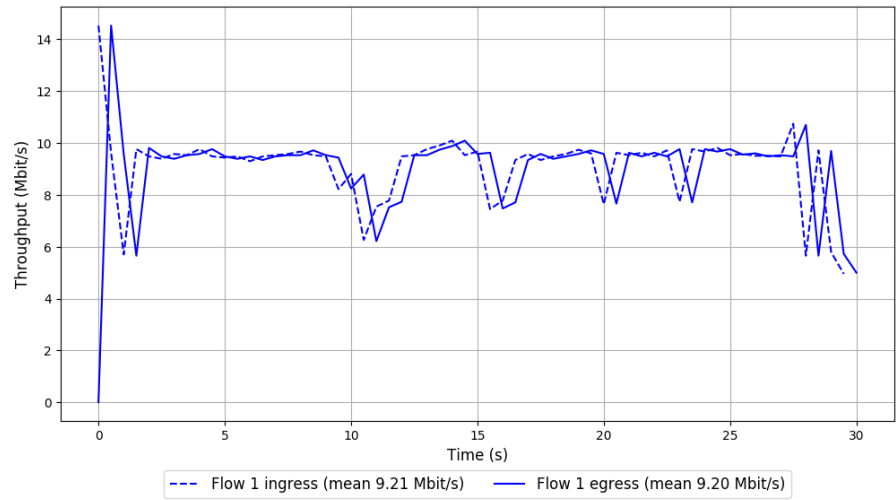


Run 5: Statistics of Muses_DecisionTreeR0

Start at: 2019-07-17 19:43:19
End at: 2019-07-17 19:43:49
Local clock offset: 6.335 ms
Remote clock offset: -5.999 ms

Below is generated by plot.py at 2019-07-17 20:46:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.20 Mbit/s
95th percentile per-packet one-way delay: 1.315 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 9.20 Mbit/s
95th percentile per-packet one-way delay: 1.315 ms
Loss rate: 0.06%

Run 5: Report of Muses_DecisionTreeR0 — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2019-07-17 17:46:53

End at: 2019-07-17 17:47:23

Local clock offset: 8.297 ms

Remote clock offset: -3.874 ms

Below is generated by plot.py at 2019-07-17 20:46:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.84 Mbit/s

95th percentile per-packet one-way delay: 1.200 ms

Loss rate: 0.14%

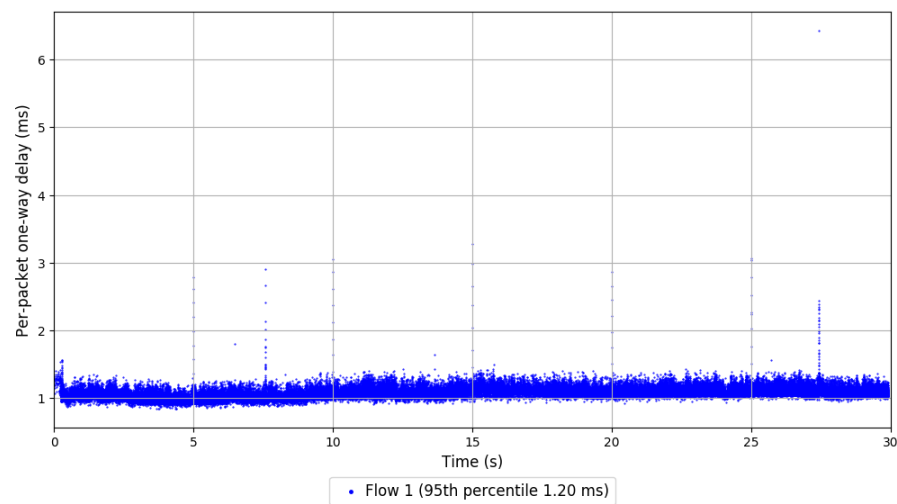
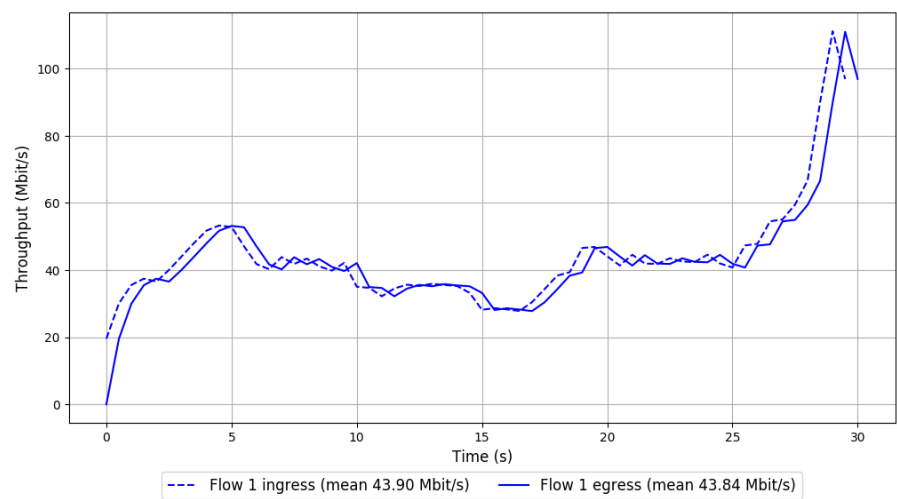
-- Flow 1:

Average throughput: 43.84 Mbit/s

95th percentile per-packet one-way delay: 1.200 ms

Loss rate: 0.14%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-07-17 18:19:00

End at: 2019-07-17 18:19:30

Local clock offset: 8.426 ms

Remote clock offset: 4.374 ms

Below is generated by plot.py at 2019-07-17 20:46:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 193.66 Mbit/s

95th percentile per-packet one-way delay: 1.023 ms

Loss rate: 0.08%

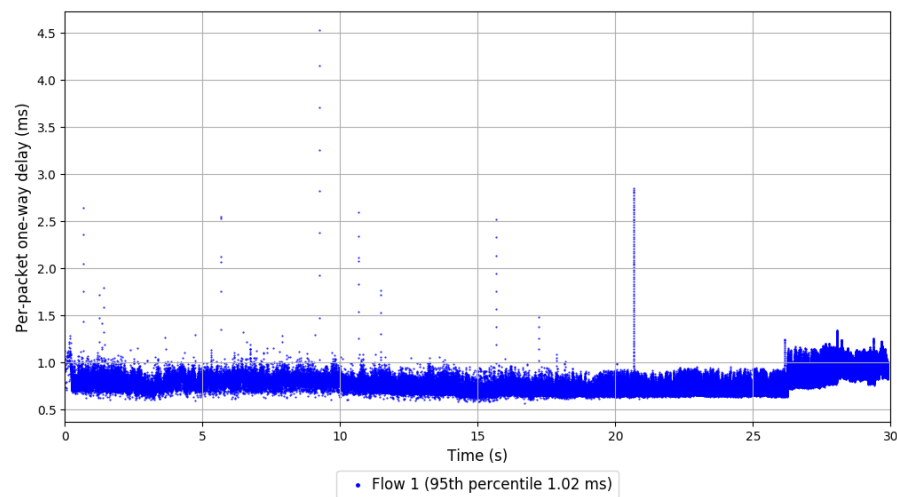
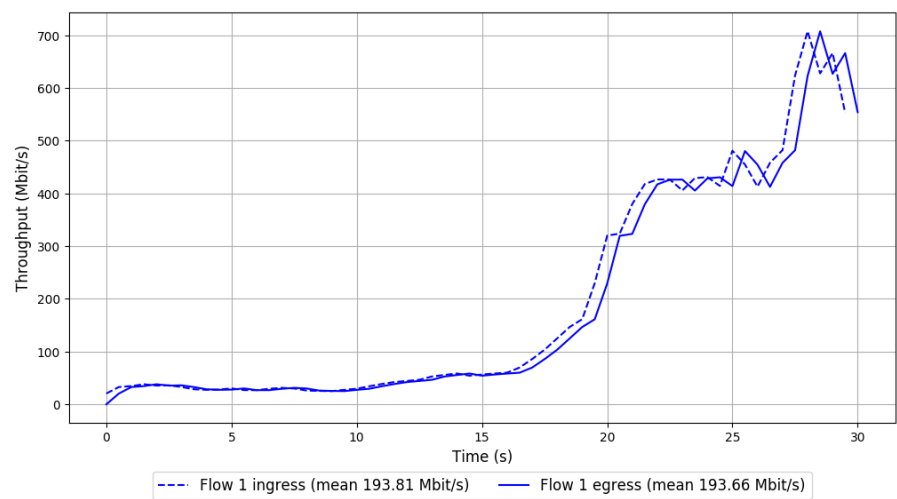
-- Flow 1:

Average throughput: 193.66 Mbit/s

95th percentile per-packet one-way delay: 1.023 ms

Loss rate: 0.08%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-07-17 18:50:58

End at: 2019-07-17 18:51:28

Local clock offset: 7.376 ms

Remote clock offset: 3.033 ms

Below is generated by plot.py at 2019-07-17 20:46:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 188.91 Mbit/s

95th percentile per-packet one-way delay: 1.277 ms

Loss rate: 0.20%

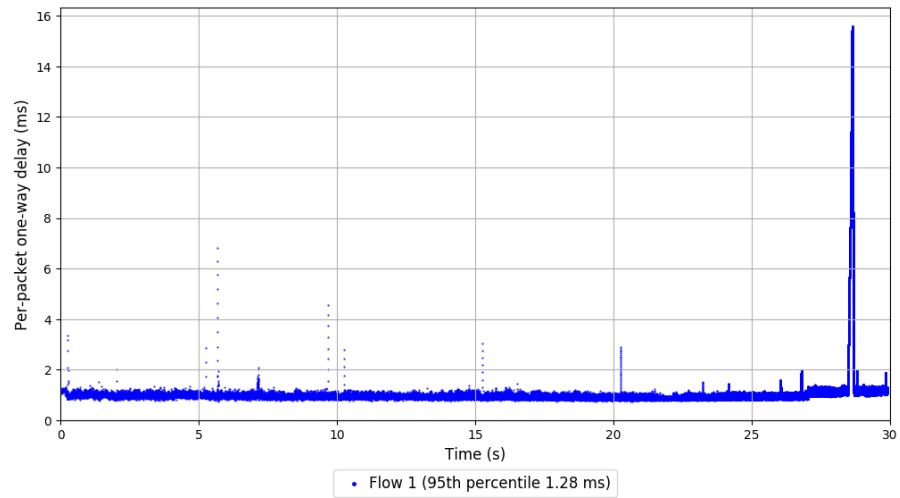
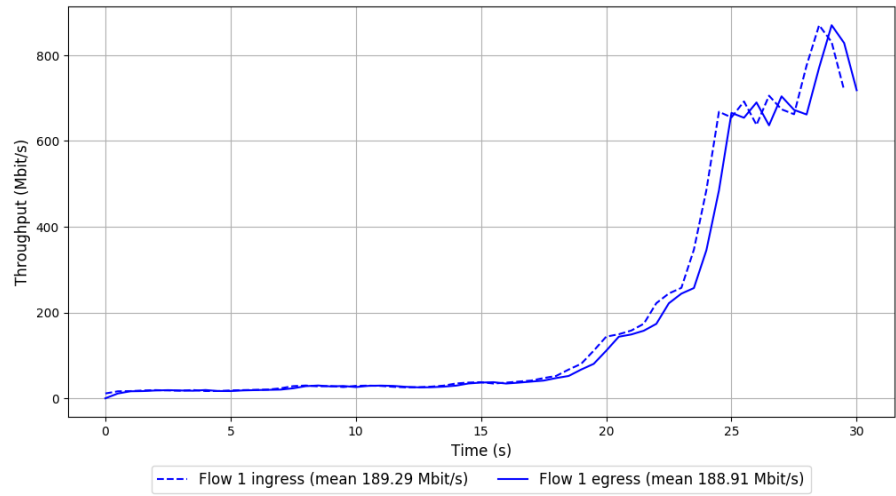
-- Flow 1:

Average throughput: 188.91 Mbit/s

95th percentile per-packet one-way delay: 1.277 ms

Loss rate: 0.20%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-07-17 19:23:06

End at: 2019-07-17 19:23:36

Local clock offset: 7.198 ms

Remote clock offset: -4.213 ms

Below is generated by plot.py at 2019-07-17 20:50:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 649.98 Mbit/s

95th percentile per-packet one-way delay: 7.381 ms

Loss rate: 0.29%

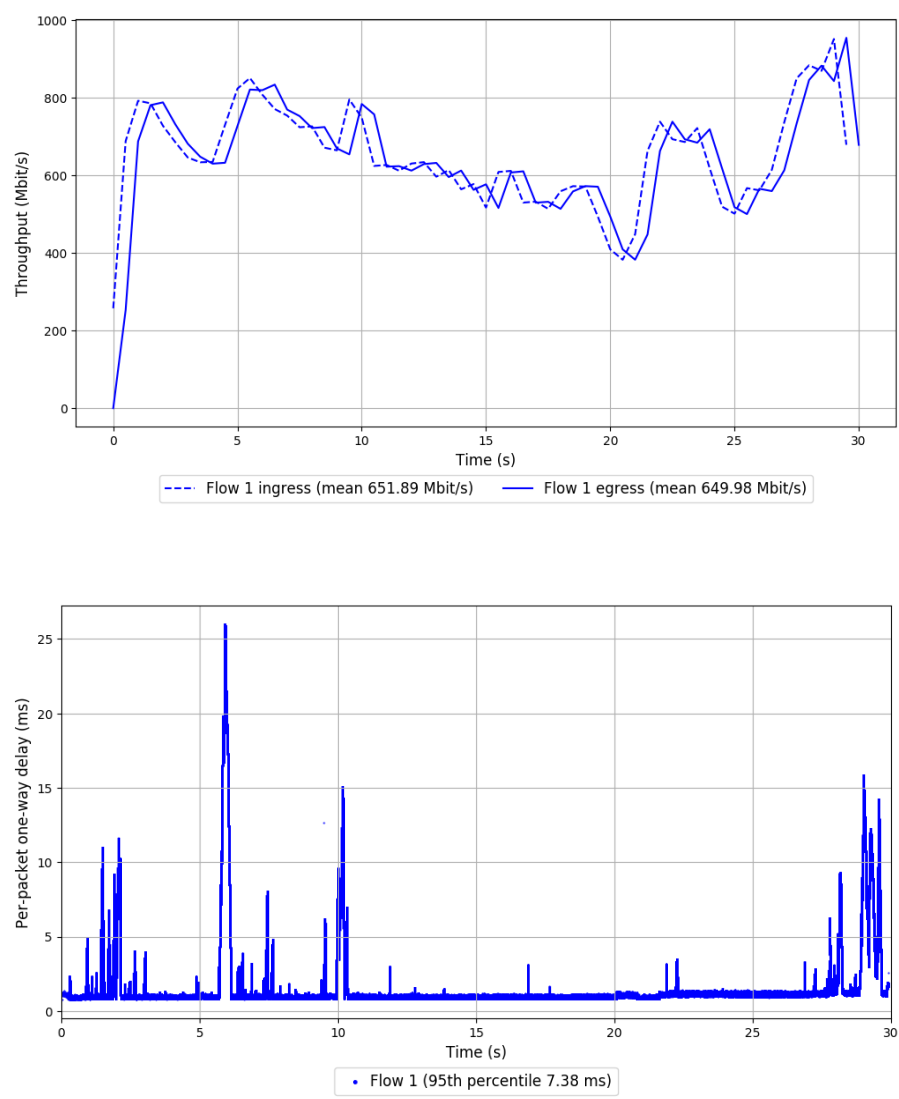
-- Flow 1:

Average throughput: 649.98 Mbit/s

95th percentile per-packet one-way delay: 7.381 ms

Loss rate: 0.29%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-07-17 19:55:14

End at: 2019-07-17 19:55:44

Local clock offset: 6.267 ms

Remote clock offset: -6.91 ms

Below is generated by plot.py at 2019-07-17 20:50:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 189.07 Mbit/s

95th percentile per-packet one-way delay: 1.248 ms

Loss rate: 0.23%

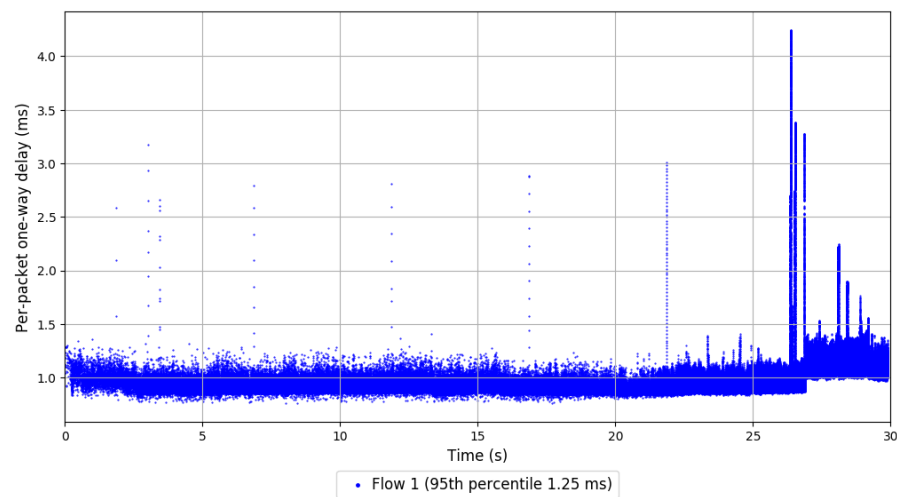
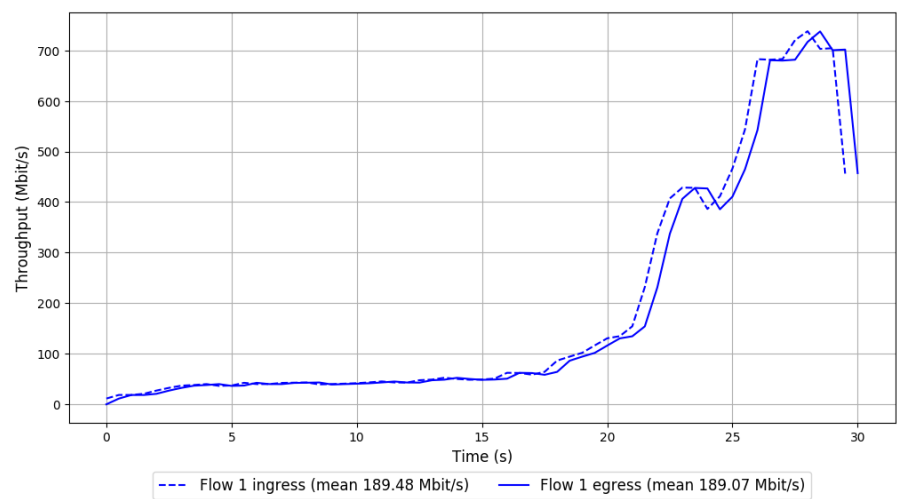
-- Flow 1:

Average throughput: 189.07 Mbit/s

95th percentile per-packet one-way delay: 1.248 ms

Loss rate: 0.23%

Run 5: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

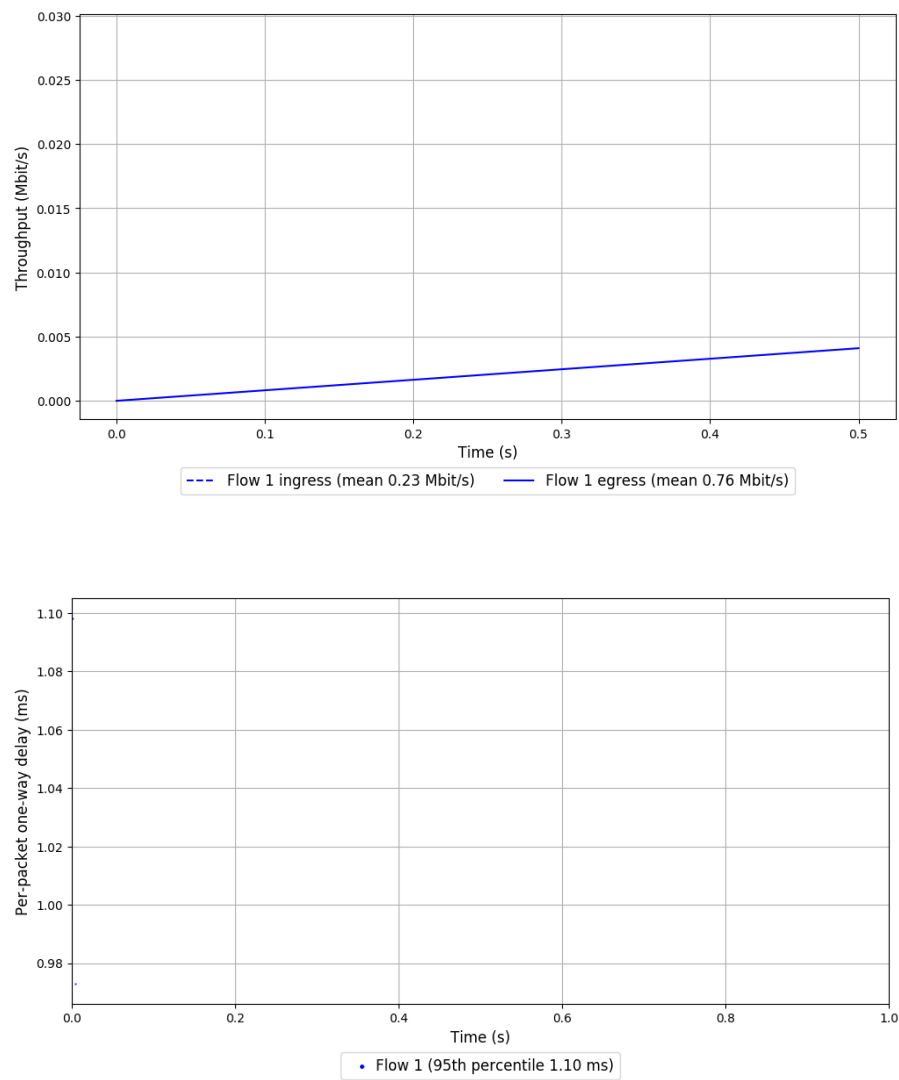
Start at: 2019-07-17 17:50:44

End at: 2019-07-17 17:51:14

Local clock offset: 9.126 ms

Remote clock offset: -3.612 ms

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

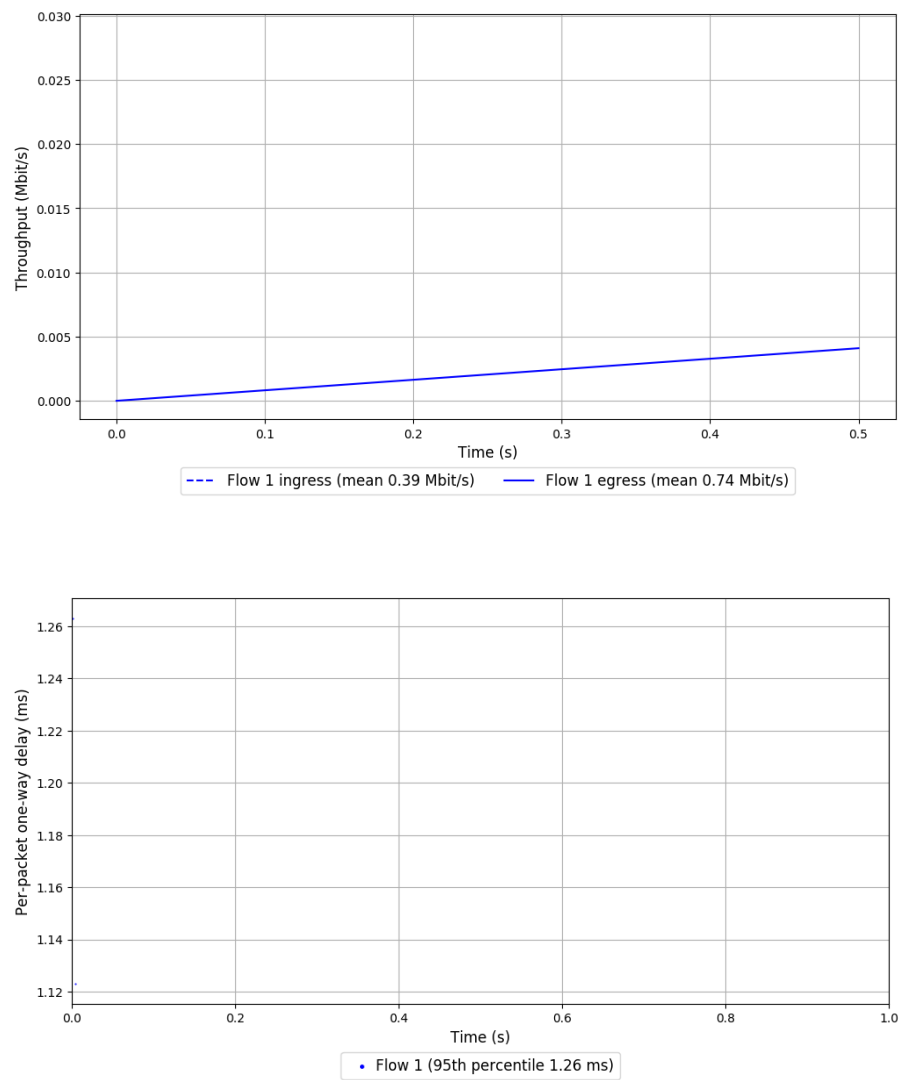
Start at: 2019-07-17 18:22:52

End at: 2019-07-17 18:23:22

Local clock offset: 8.649 ms

Remote clock offset: 4.859 ms

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

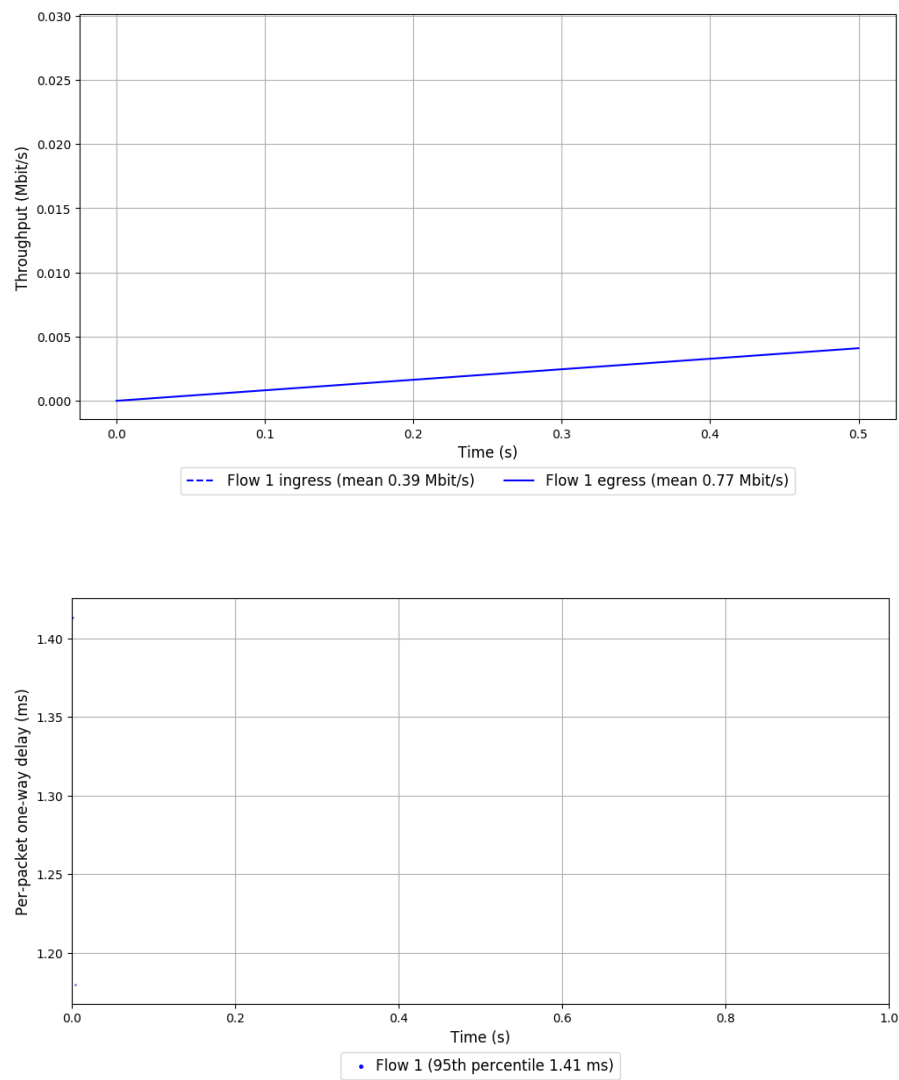
Start at: 2019-07-17 18:54:51

End at: 2019-07-17 18:55:21

Local clock offset: 7.512 ms

Remote clock offset: 3.058 ms

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

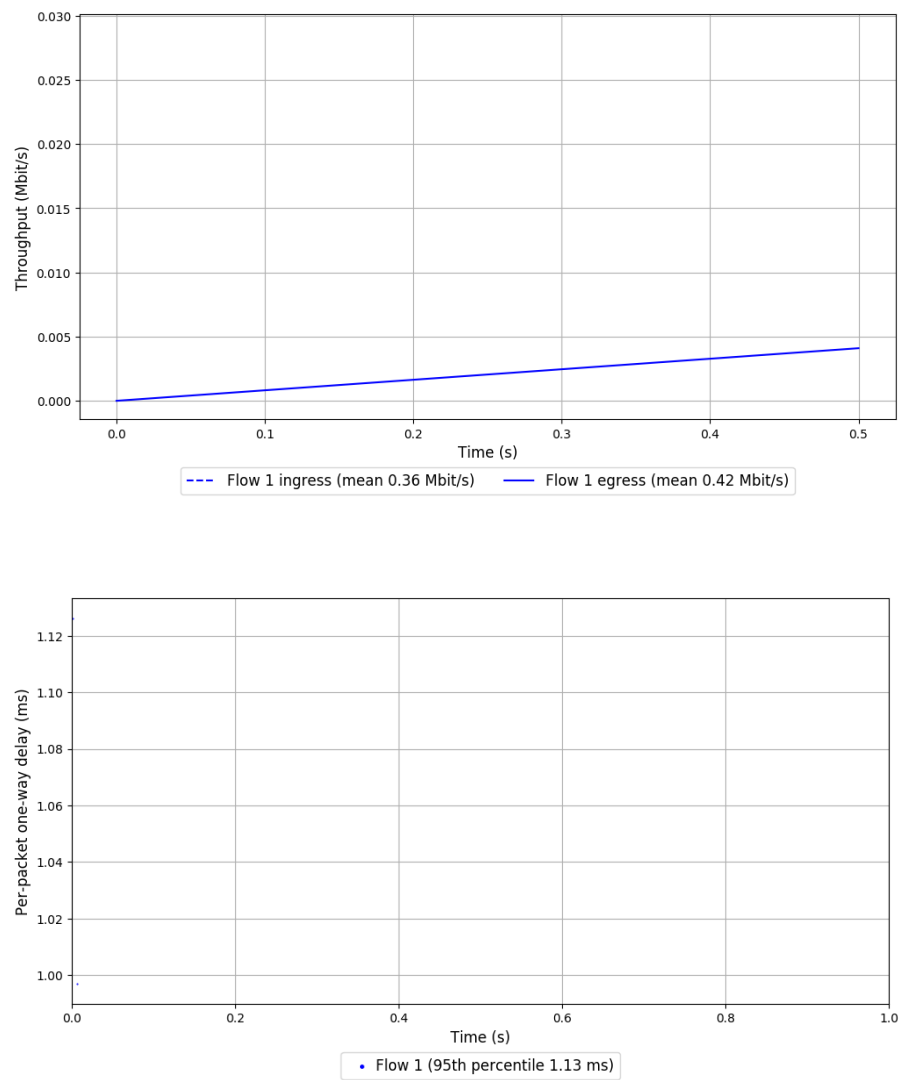
Start at: 2019-07-17 19:27:08

End at: 2019-07-17 19:27:38

Local clock offset: 6.992 ms

Remote clock offset: -4.64 ms

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

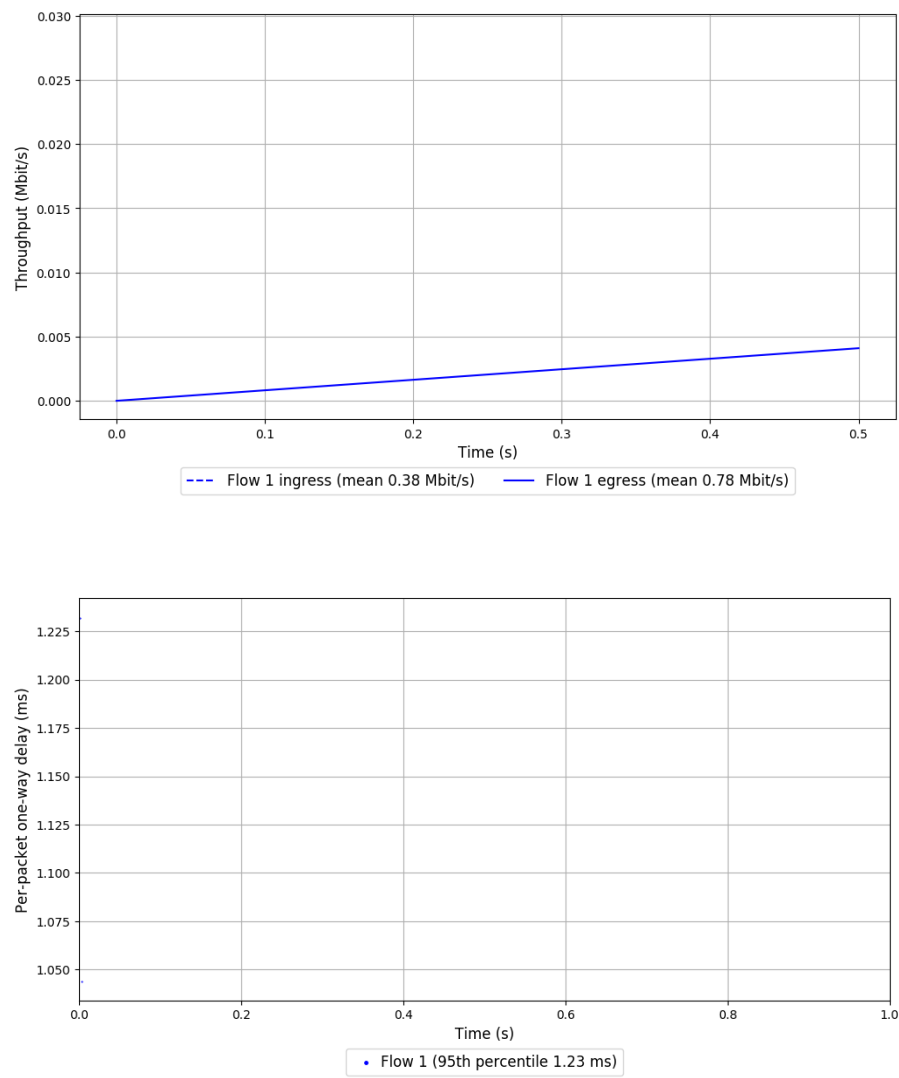
Start at: 2019-07-17 19:59:04

End at: 2019-07-17 19:59:34

Local clock offset: 6.345 ms

Remote clock offset: -7.2 ms

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-07-17 17:44:10

End at: 2019-07-17 17:44:40

Local clock offset: 7.653 ms

Remote clock offset: -3.841 ms

Below is generated by plot.py at 2019-07-17 20:50:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.83 Mbit/s

95th percentile per-packet one-way delay: 1.093 ms

Loss rate: 0.12%

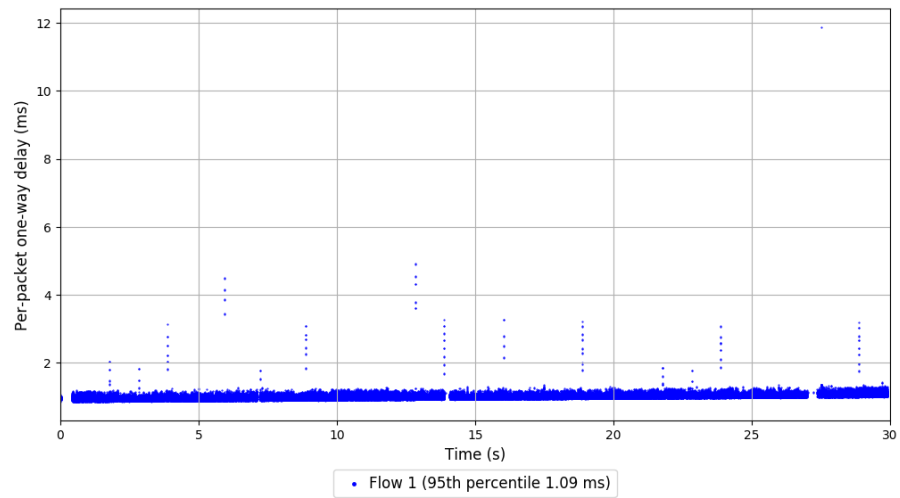
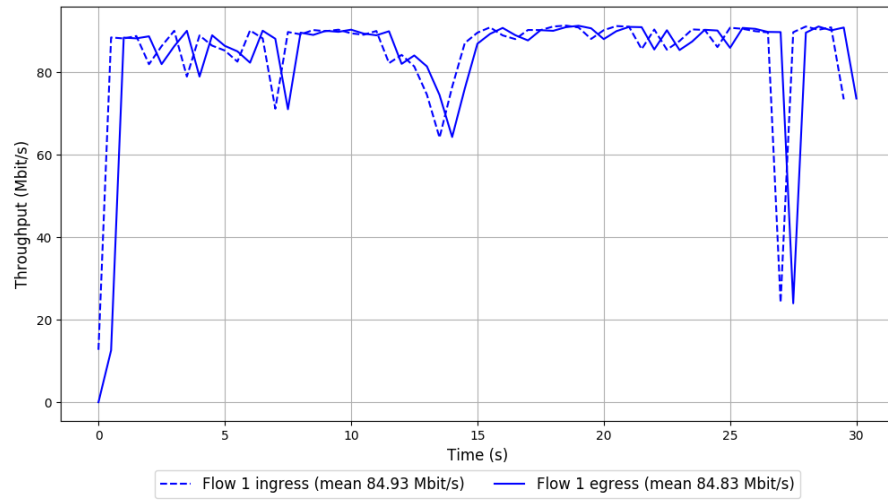
-- Flow 1:

Average throughput: 84.83 Mbit/s

95th percentile per-packet one-way delay: 1.093 ms

Loss rate: 0.12%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-07-17 18:16:22

End at: 2019-07-17 18:16:52

Local clock offset: 8.332 ms

Remote clock offset: 4.205 ms

Below is generated by plot.py at 2019-07-17 20:50:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.62 Mbit/s

95th percentile per-packet one-way delay: 0.895 ms

Loss rate: 0.13%

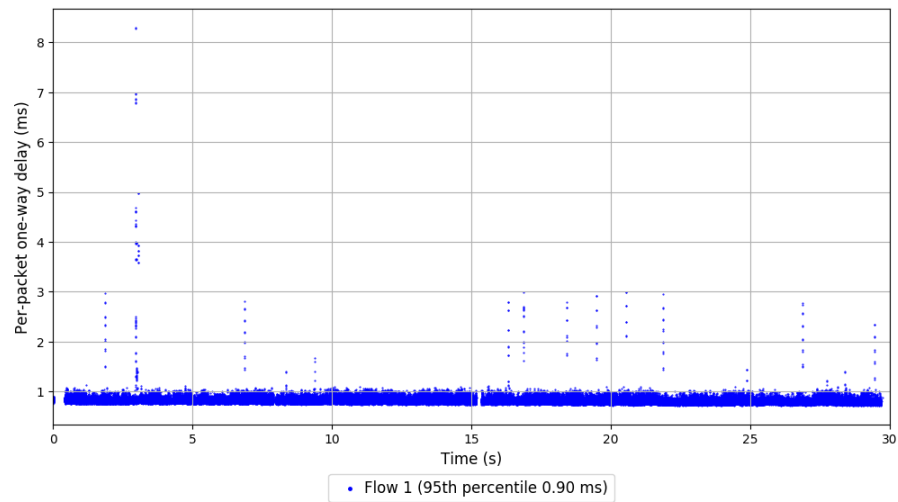
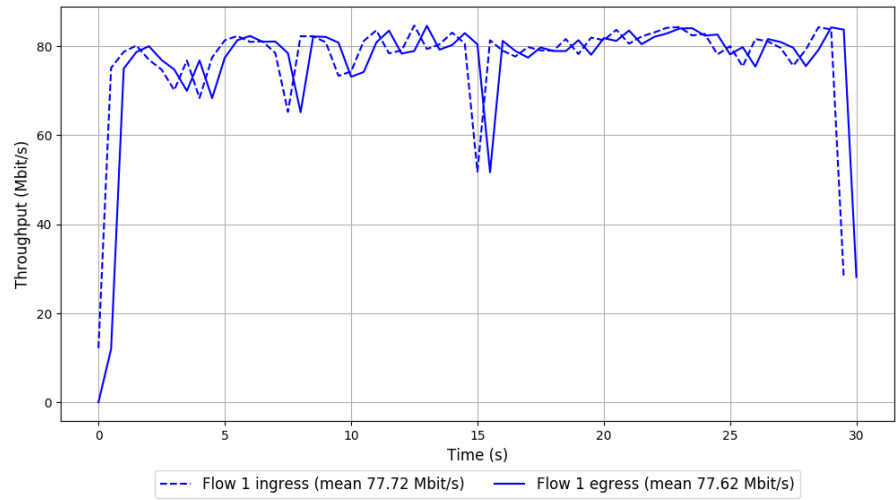
-- Flow 1:

Average throughput: 77.62 Mbit/s

95th percentile per-packet one-way delay: 0.895 ms

Loss rate: 0.13%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-07-17 18:48:18

End at: 2019-07-17 18:48:48

Local clock offset: 7.339 ms

Remote clock offset: 2.992 ms

Below is generated by plot.py at 2019-07-17 20:50:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.40 Mbit/s

95th percentile per-packet one-way delay: 0.922 ms

Loss rate: 0.11%

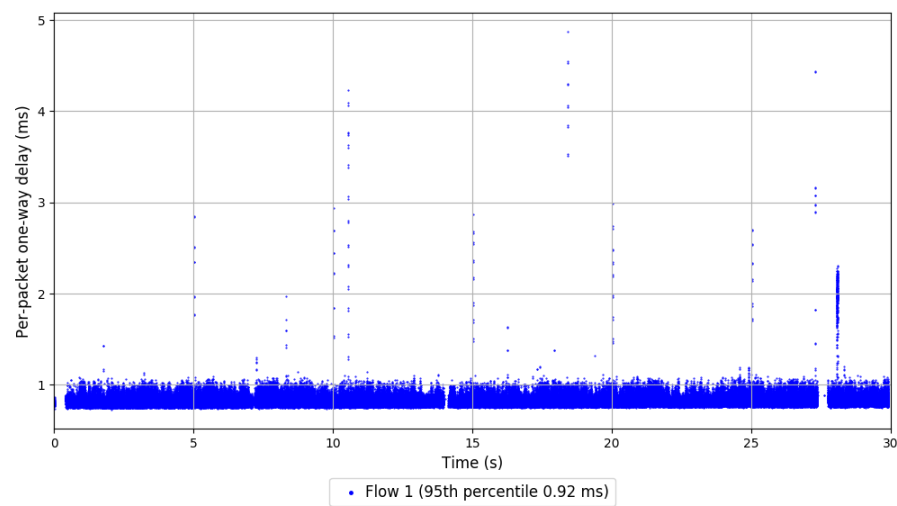
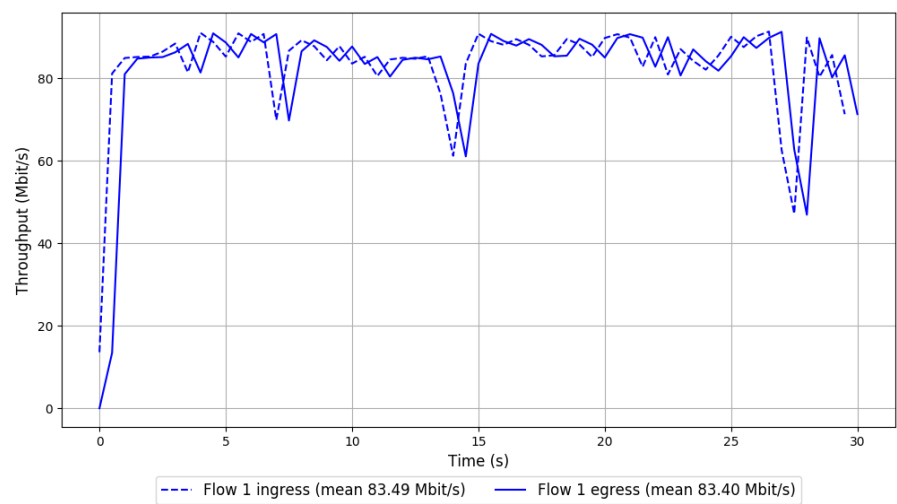
-- Flow 1:

Average throughput: 83.40 Mbit/s

95th percentile per-packet one-way delay: 0.922 ms

Loss rate: 0.11%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-07-17 19:20:26

End at: 2019-07-17 19:20:57

Local clock offset: 7.144 ms

Remote clock offset: -3.916 ms

Below is generated by plot.py at 2019-07-17 20:50:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.18 Mbit/s

95th percentile per-packet one-way delay: 0.965 ms

Loss rate: 0.16%

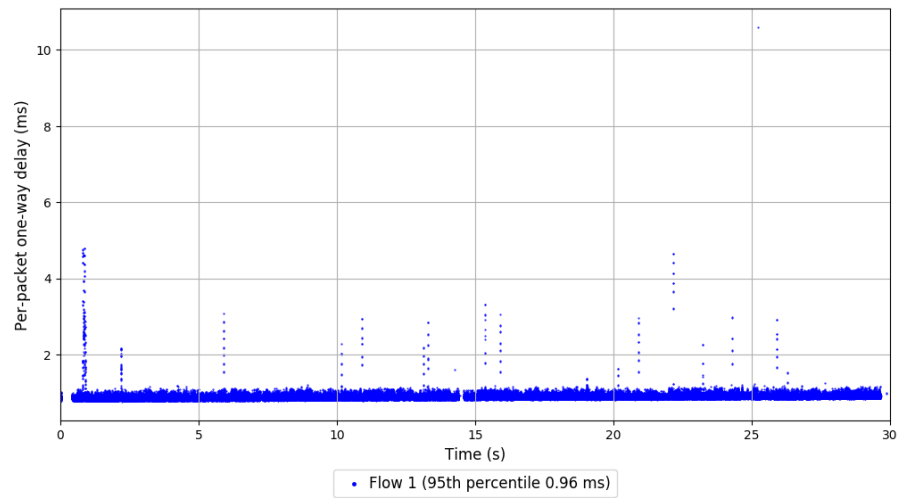
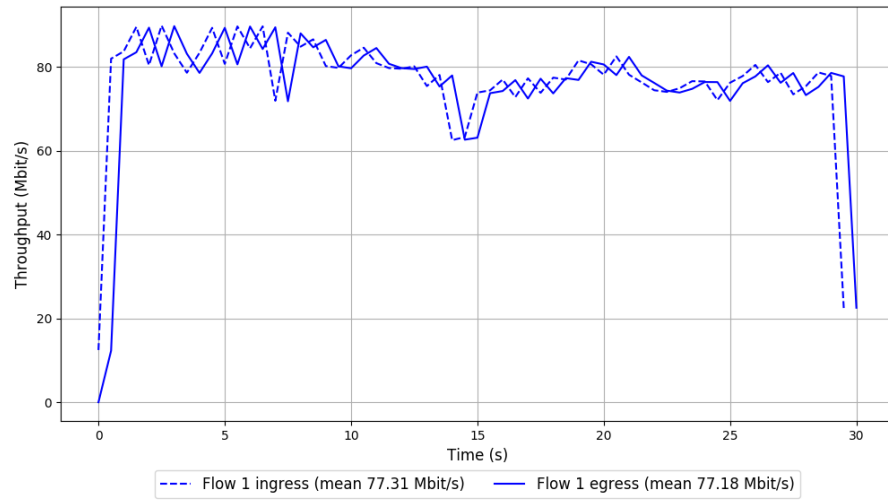
-- Flow 1:

Average throughput: 77.18 Mbit/s

95th percentile per-packet one-way delay: 0.965 ms

Loss rate: 0.16%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-07-17 19:52:37

End at: 2019-07-17 19:53:07

Local clock offset: 6.295 ms

Remote clock offset: -6.8 ms

Below is generated by plot.py at 2019-07-17 20:50:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.10 Mbit/s

95th percentile per-packet one-way delay: 0.848 ms

Loss rate: 0.19%

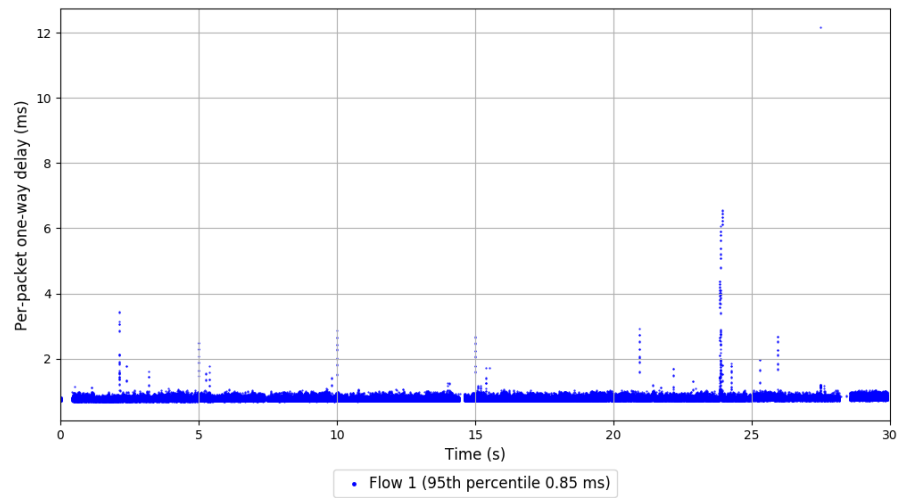
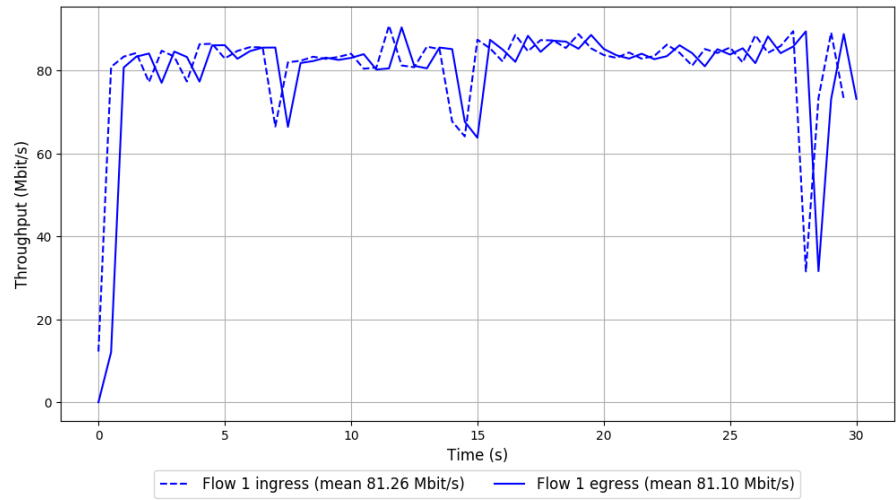
-- Flow 1:

Average throughput: 81.10 Mbit/s

95th percentile per-packet one-way delay: 0.848 ms

Loss rate: 0.19%

Run 5: Report of QUIC Cubic — Data Link

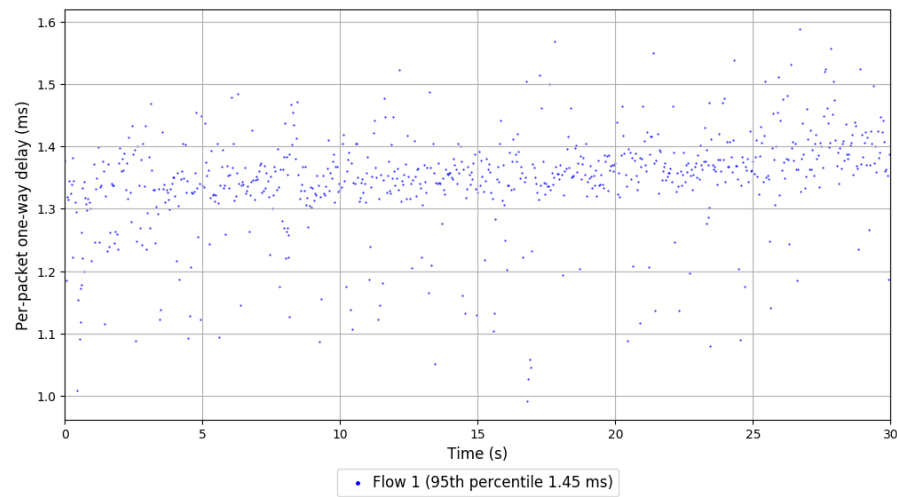
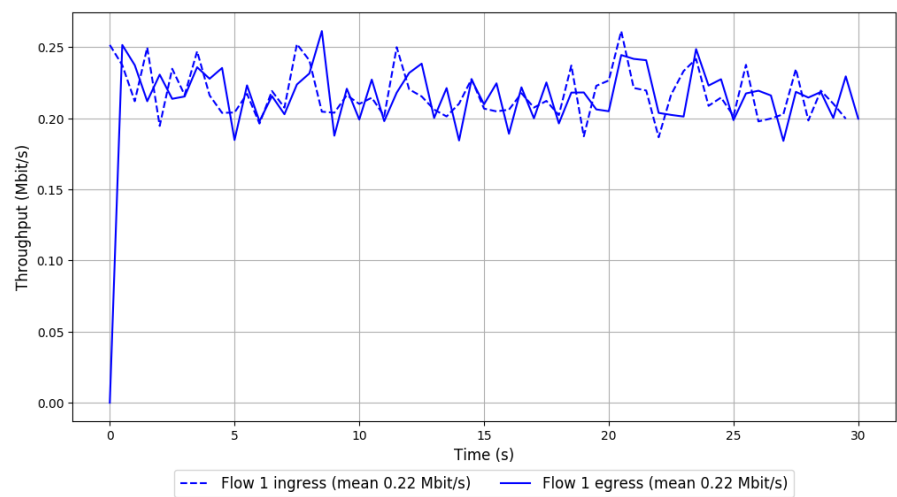


Run 1: Statistics of SCReAM

Start at: 2019-07-17 17:49:30
End at: 2019-07-17 17:50:00
Local clock offset: 8.863 ms
Remote clock offset: -3.958 ms

Below is generated by plot.py at 2019-07-17 20:50:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.454 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.454 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2019-07-17 18:21:39

End at: 2019-07-17 18:22:09

Local clock offset: 8.567 ms

Remote clock offset: 4.654 ms

Below is generated by plot.py at 2019-07-17 20:50:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 1.124 ms

Loss rate: 0.31%

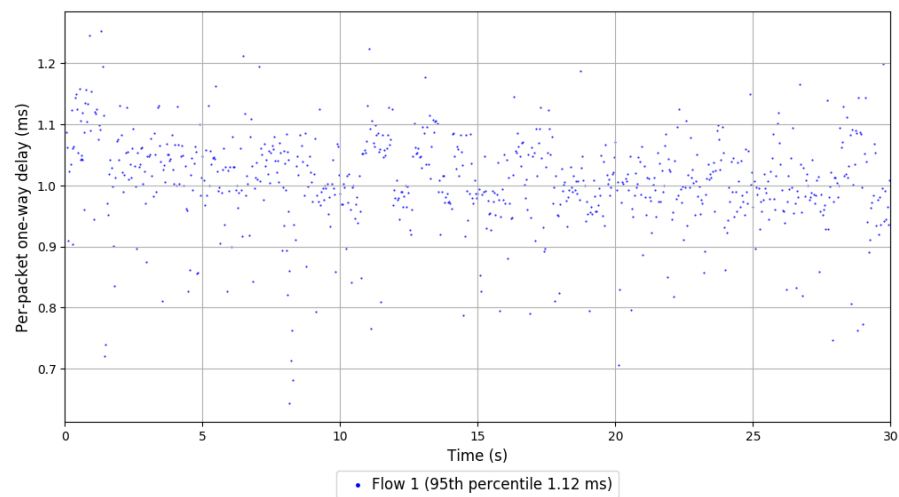
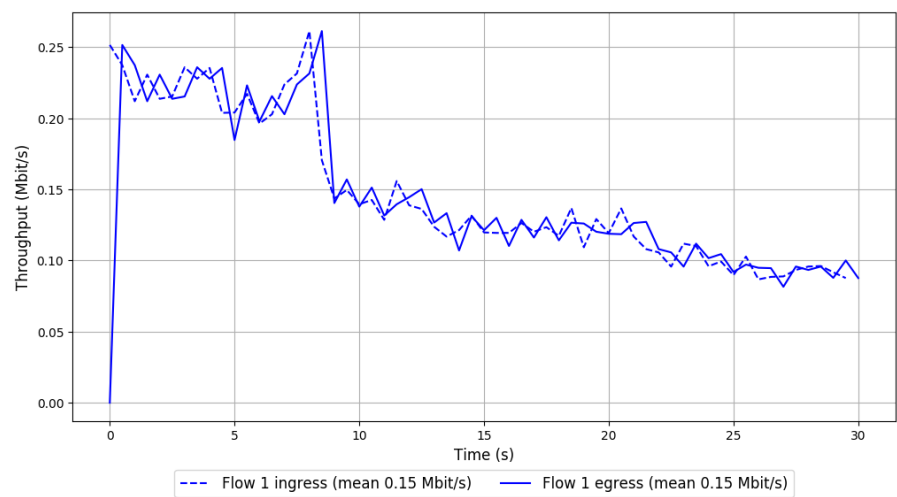
-- Flow 1:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 1.124 ms

Loss rate: 0.31%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2019-07-17 18:53:37

End at: 2019-07-17 18:54:07

Local clock offset: 7.472 ms

Remote clock offset: 2.954 ms

Below is generated by plot.py at 2019-07-17 20:50:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 1.162 ms

Loss rate: 0.12%

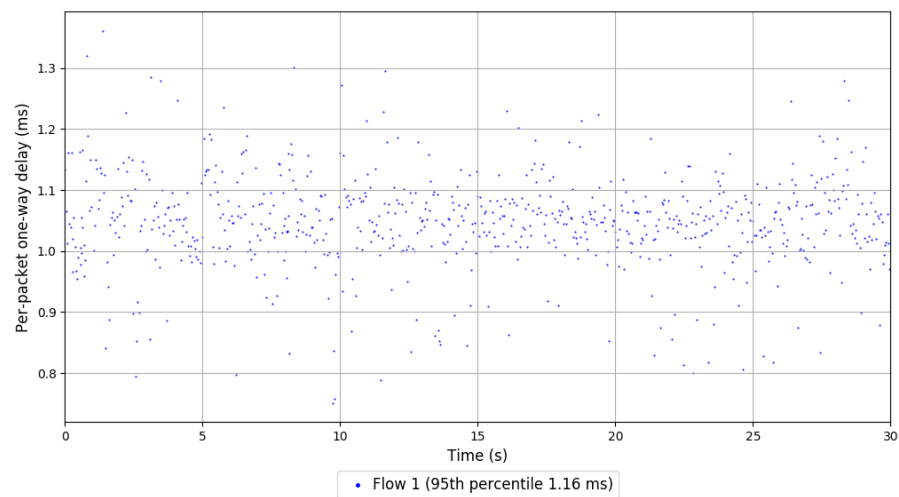
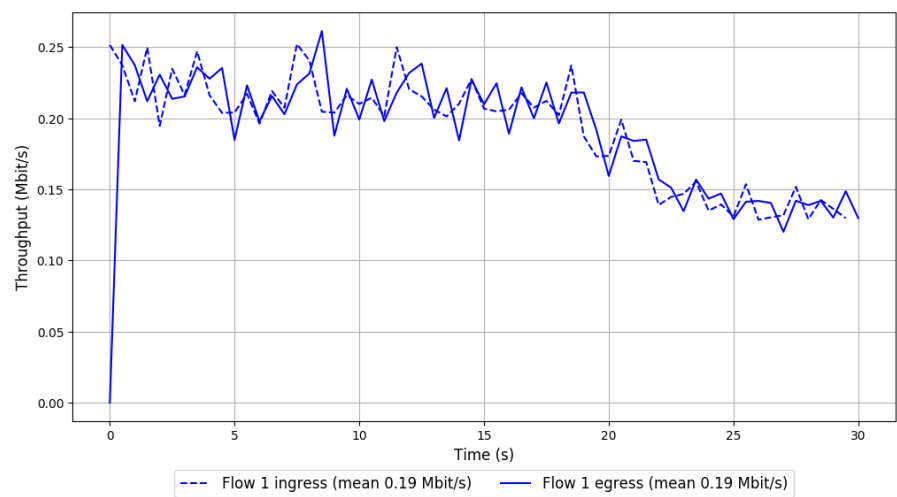
-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 1.162 ms

Loss rate: 0.12%

Run 3: Report of SReAM — Data Link

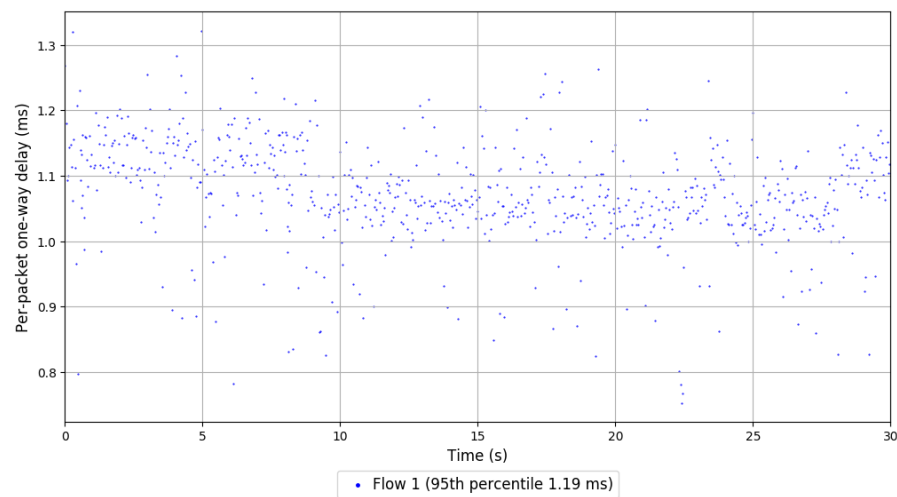
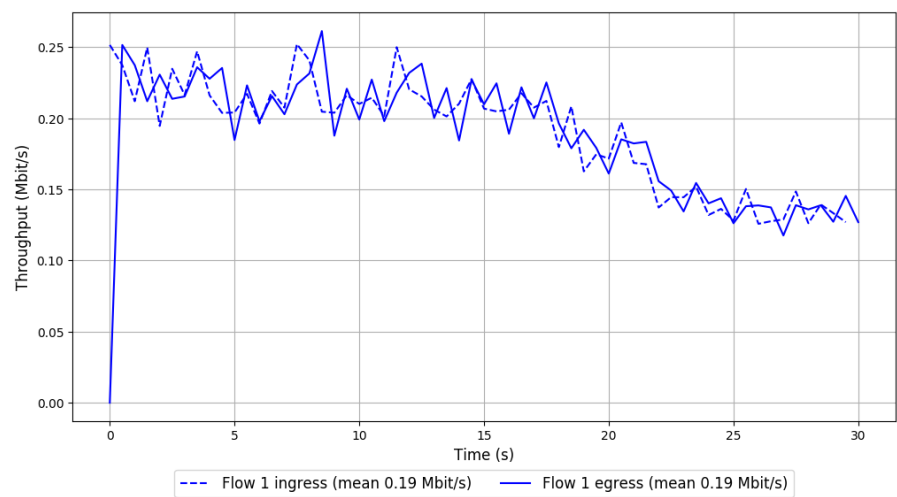


Run 4: Statistics of SCReAM

Start at: 2019-07-17 19:25:55
End at: 2019-07-17 19:26:25
Local clock offset: 7.131 ms
Remote clock offset: -4.508 ms

Below is generated by plot.py at 2019-07-17 20:50:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 1.189 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 1.189 ms
Loss rate: 0.15%

Run 4: Report of SReAM — Data Link

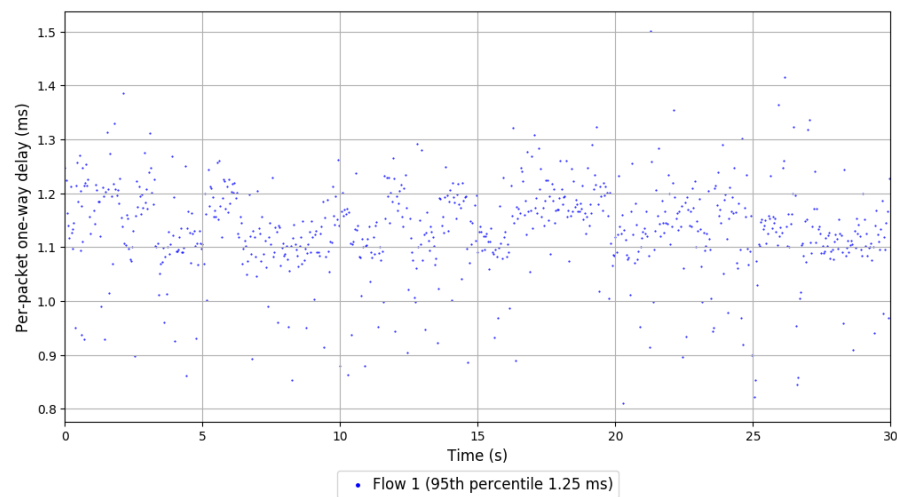
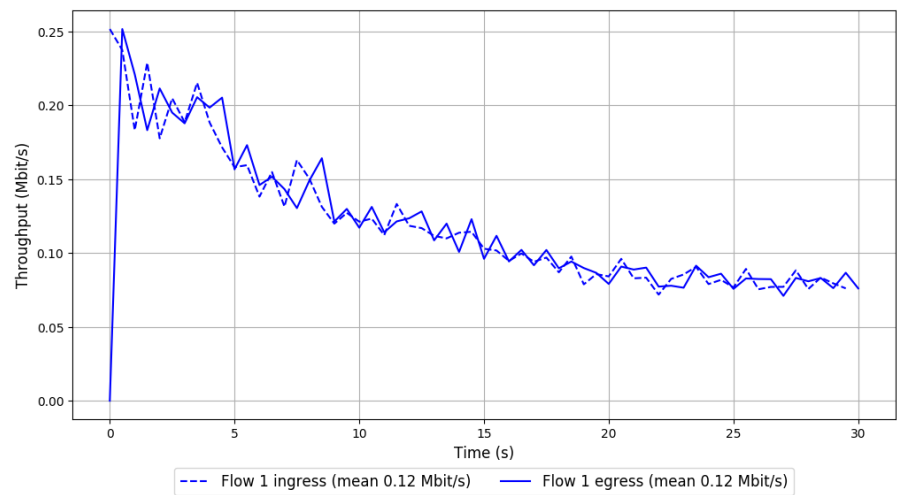


Run 5: Statistics of SCReAM

Start at: 2019-07-17 19:57:50
End at: 2019-07-17 19:58:20
Local clock offset: 6.364 ms
Remote clock offset: -7.116 ms

Below is generated by plot.py at 2019-07-17 20:50:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 1.250 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 1.250 ms
Loss rate: 0.53%

Run 5: Report of SReAM — Data Link

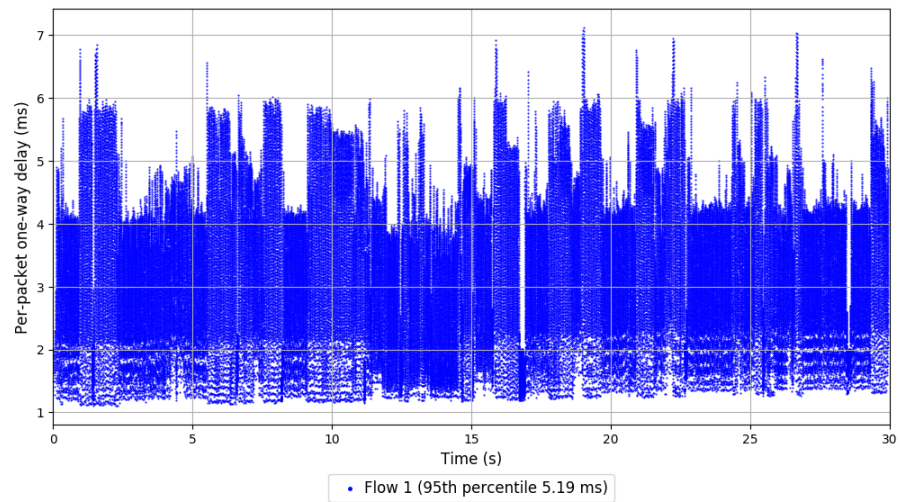
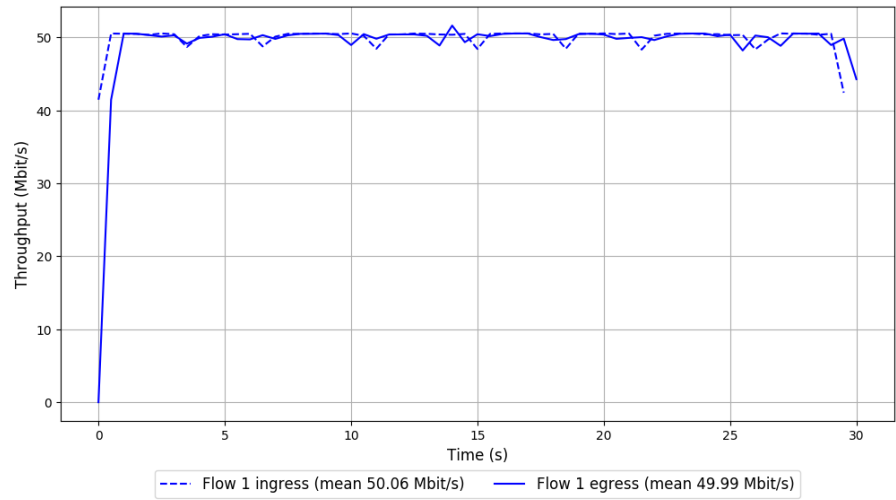


Run 1: Statistics of Sprout

Start at: 2019-07-17 17:40:00
End at: 2019-07-17 17:40:30
Local clock offset: 6.267 ms
Remote clock offset: -3.613 ms

Below is generated by plot.py at 2019-07-17 20:50:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 49.99 Mbit/s
95th percentile per-packet one-way delay: 5.186 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 49.99 Mbit/s
95th percentile per-packet one-way delay: 5.186 ms
Loss rate: 0.13%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2019-07-17 18:12:16

End at: 2019-07-17 18:12:46

Local clock offset: 8.201 ms

Remote clock offset: 3.769 ms

Below is generated by plot.py at 2019-07-17 20:50:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.87 Mbit/s

95th percentile per-packet one-way delay: 4.501 ms

Loss rate: 0.23%

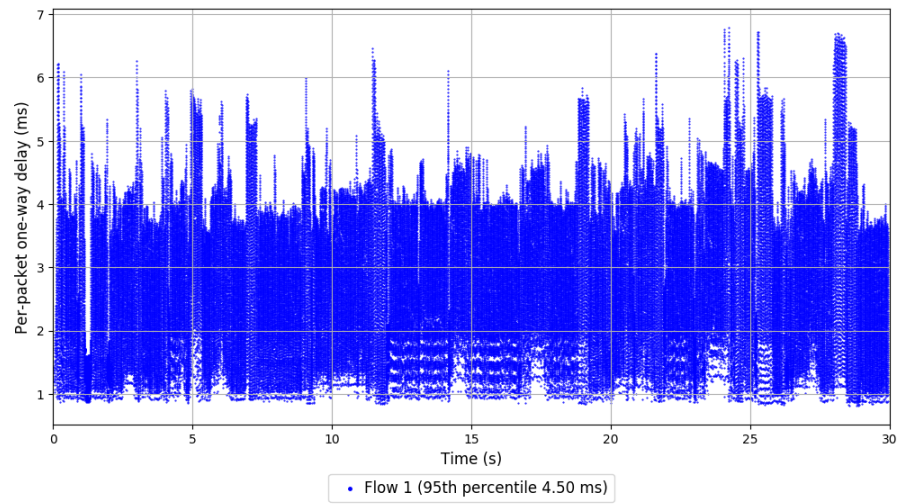
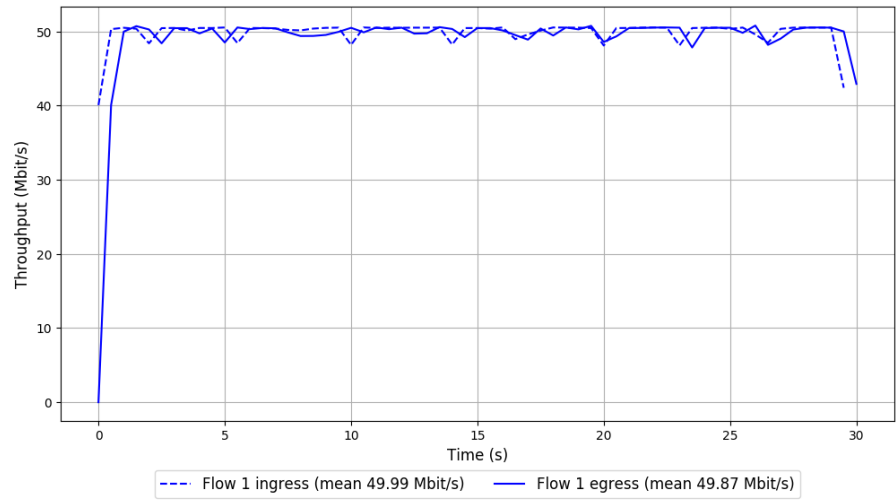
-- Flow 1:

Average throughput: 49.87 Mbit/s

95th percentile per-packet one-way delay: 4.501 ms

Loss rate: 0.23%

Run 2: Report of Sprout — Data Link

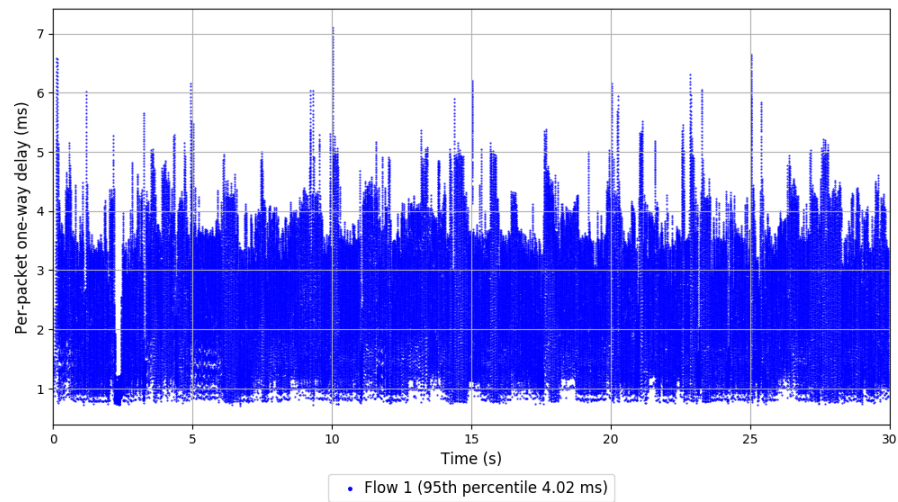
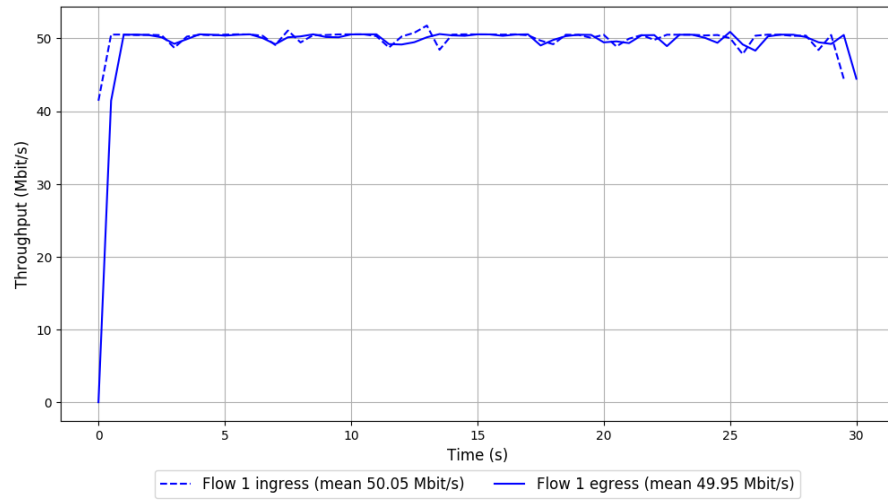


Run 3: Statistics of Sprout

Start at: 2019-07-17 18:44:15
End at: 2019-07-17 18:44:45
Local clock offset: 7.302 ms
Remote clock offset: 2.98 ms

Below is generated by plot.py at 2019-07-17 20:50:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 49.95 Mbit/s
95th percentile per-packet one-way delay: 4.023 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 49.95 Mbit/s
95th percentile per-packet one-way delay: 4.023 ms
Loss rate: 0.20%

Run 3: Report of Sprout — Data Link

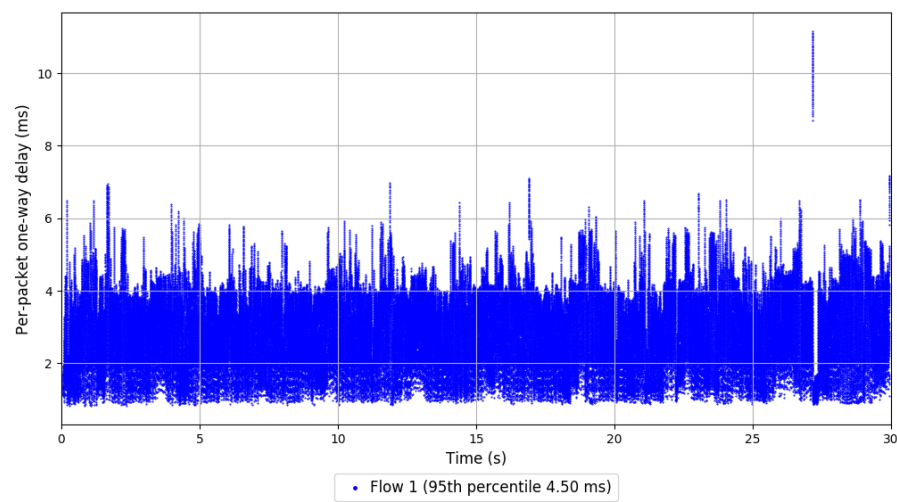
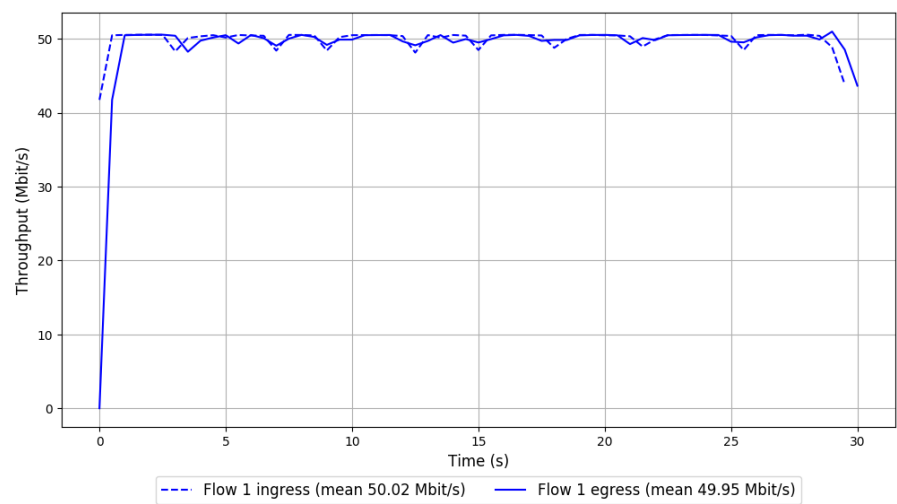


Run 4: Statistics of Sprout

Start at: 2019-07-17 19:16:20
End at: 2019-07-17 19:16:50
Local clock offset: 7.087 ms
Remote clock offset: -3.366 ms

Below is generated by plot.py at 2019-07-17 20:50:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 49.95 Mbit/s
95th percentile per-packet one-way delay: 4.504 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 49.95 Mbit/s
95th percentile per-packet one-way delay: 4.504 ms
Loss rate: 0.13%

Run 4: Report of Sprout — Data Link

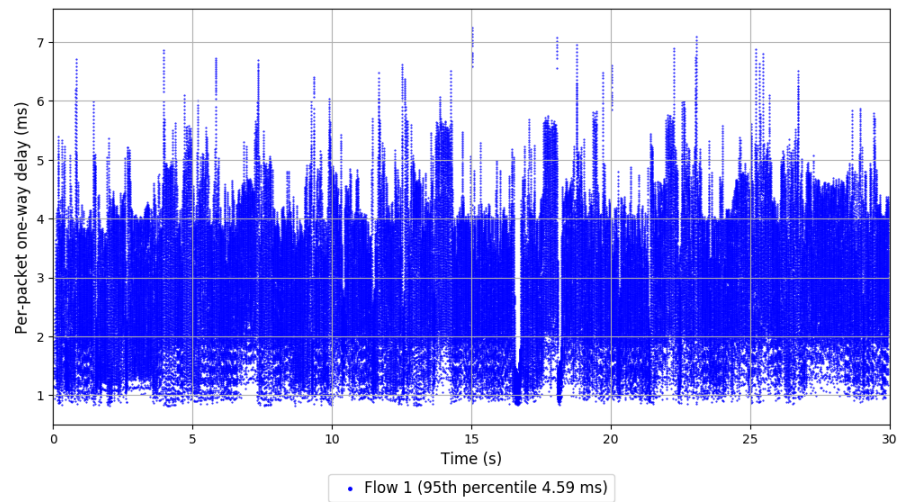
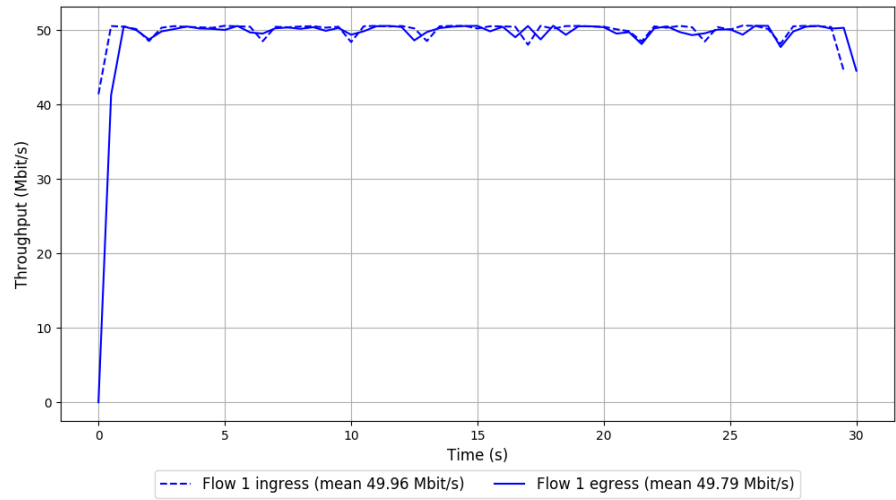


Run 5: Statistics of Sprout

Start at: 2019-07-17 19:48:30
End at: 2019-07-17 19:49:00
Local clock offset: 6.288 ms
Remote clock offset: -6.409 ms

Below is generated by plot.py at 2019-07-17 20:50:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 49.79 Mbit/s
95th percentile per-packet one-way delay: 4.590 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 49.79 Mbit/s
95th percentile per-packet one-way delay: 4.590 ms
Loss rate: 0.33%

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

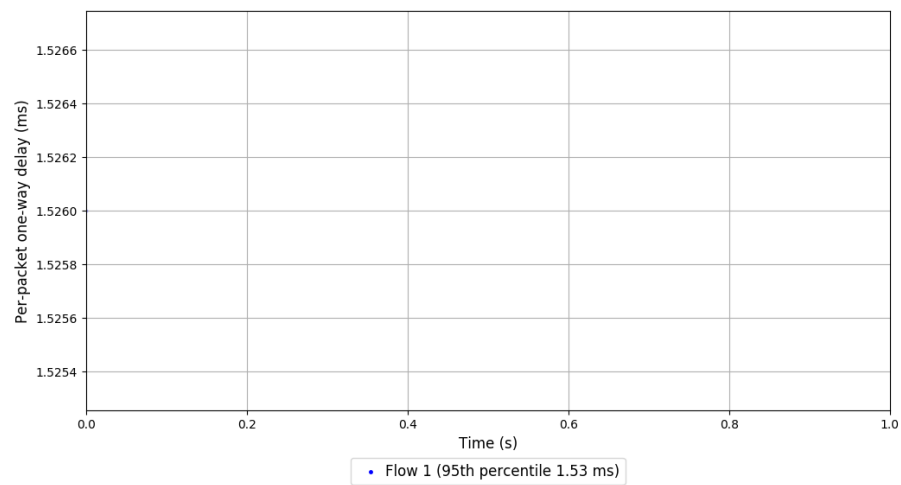
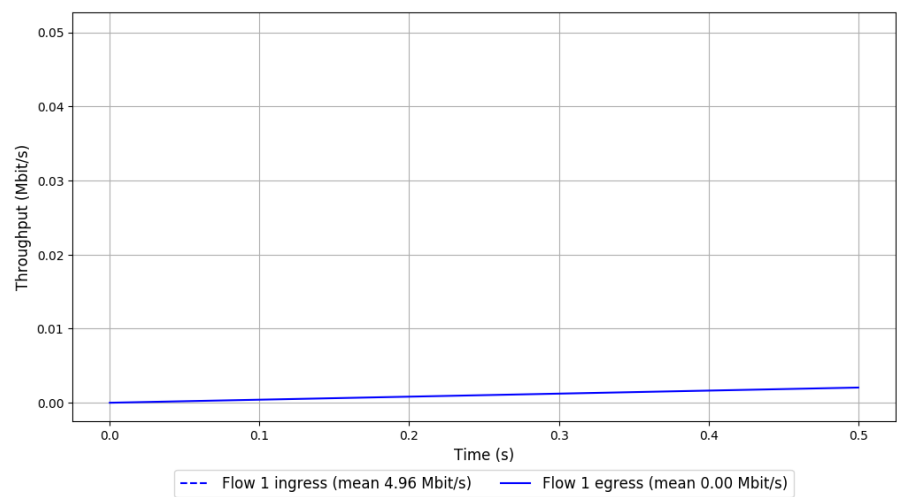
Start at: 2019-07-17 17:35:56

End at: 2019-07-17 17:36:26

Local clock offset: 4.441 ms

Remote clock offset: -3.387 ms

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



Run 2: Statistics of TaoVA-100x

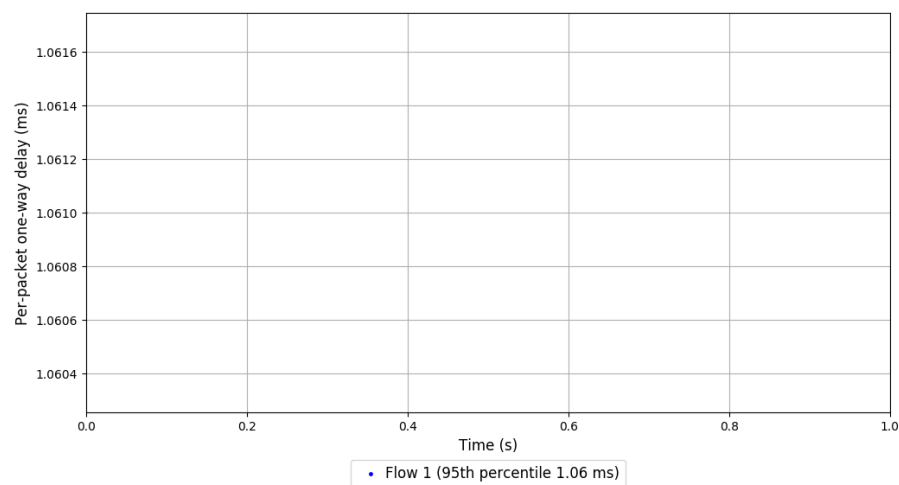
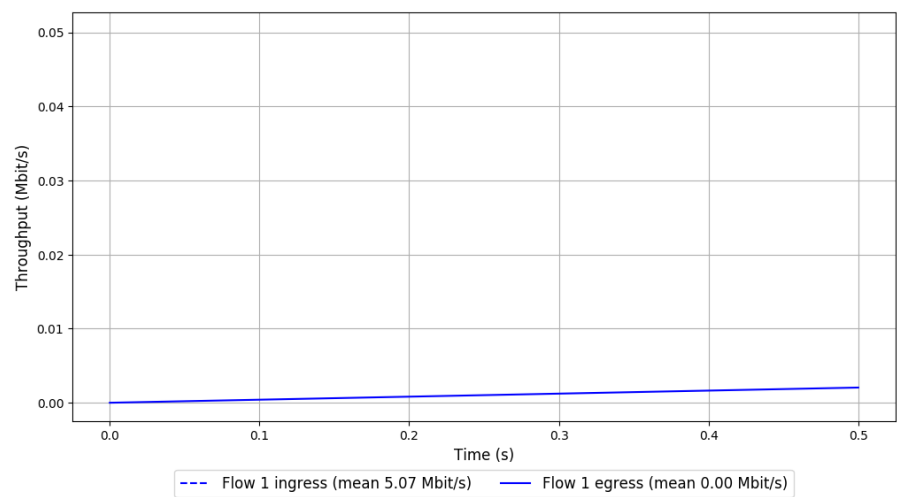
Start at: 2019-07-17 18:08:11

End at: 2019-07-17 18:08:41

Local clock offset: 8.219 ms

Remote clock offset: 3.056 ms

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



Run 3: Statistics of TaoVA-100x

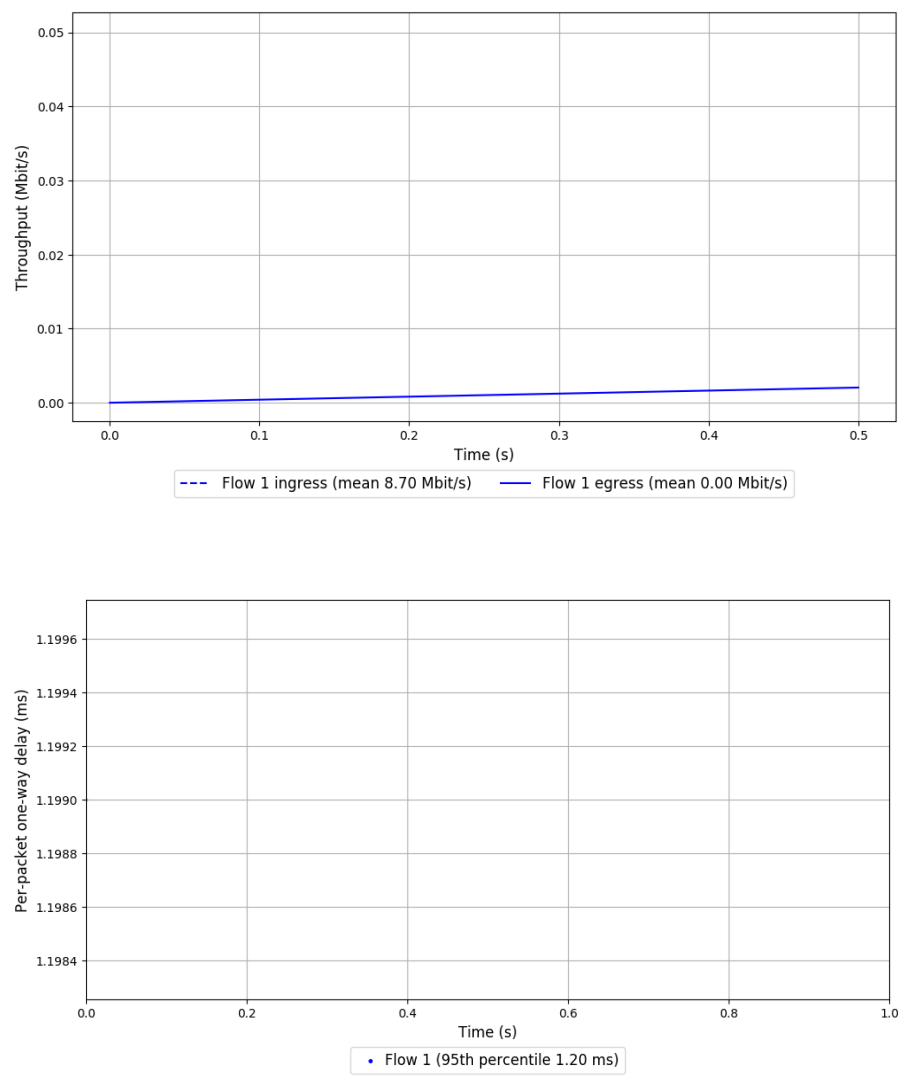
Start at: 2019-07-17 18:40:11

End at: 2019-07-17 18:40:41

Local clock offset: 7.324 ms

Remote clock offset: 3.105 ms

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



Run 4: Statistics of TaoVA-100x

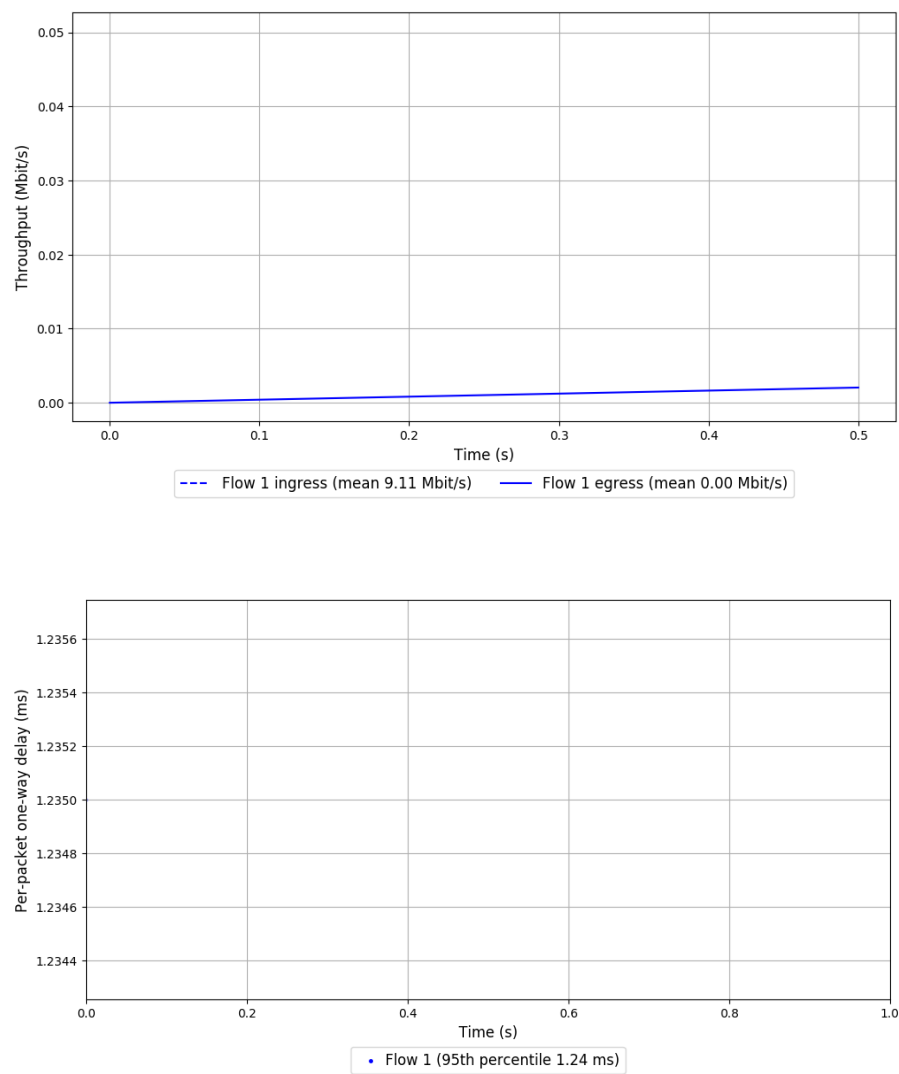
Start at: 2019-07-17 19:12:19

End at: 2019-07-17 19:12:49

Local clock offset: 7.048 ms

Remote clock offset: -2.659 ms

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



Run 5: Statistics of TaoVA-100x

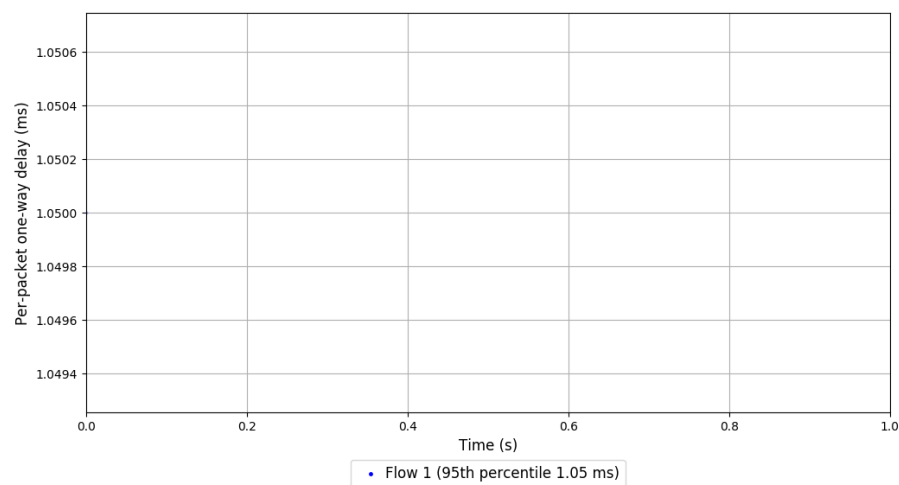
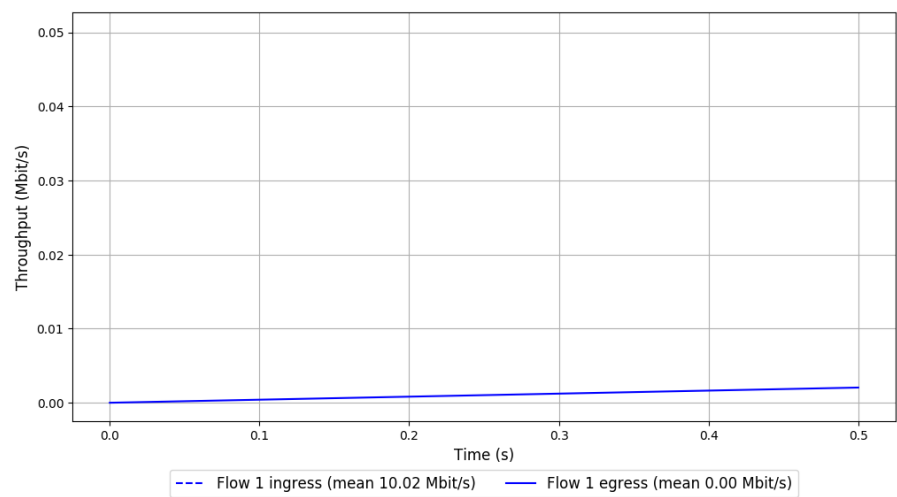
Start at: 2019-07-17 19:44:33

End at: 2019-07-17 19:45:03

Local clock offset: 6.325 ms

Remote clock offset: -6.159 ms

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



Run 1: Statistics of TCP Vegas

Start at: 2019-07-17 17:57:39

End at: 2019-07-17 17:58:09

Local clock offset: 9.149 ms

Remote clock offset: 0.445 ms

Below is generated by plot.py at 2019-07-17 20:50:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.64 Mbit/s

95th percentile per-packet one-way delay: 1.129 ms

Loss rate: 0.07%

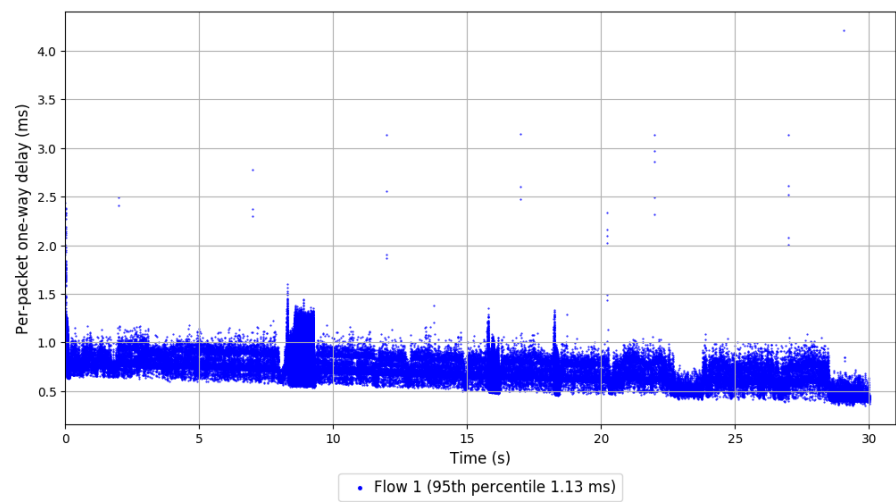
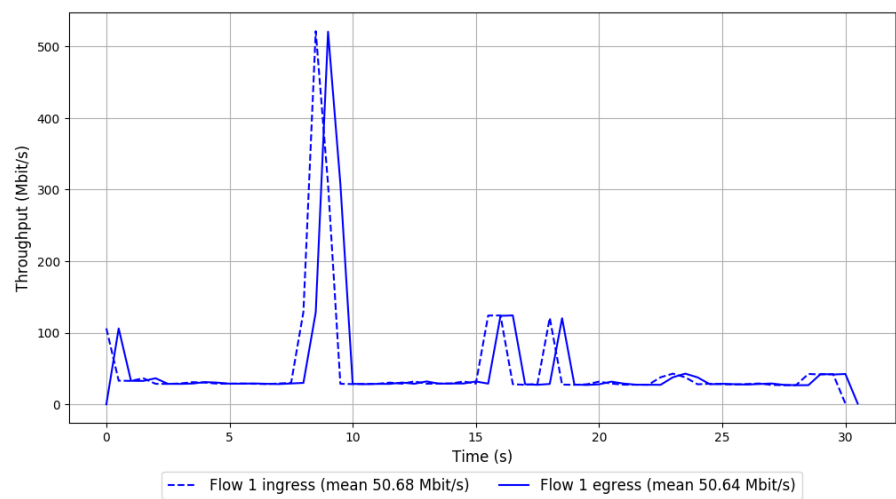
-- Flow 1:

Average throughput: 50.64 Mbit/s

95th percentile per-packet one-way delay: 1.129 ms

Loss rate: 0.07%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2019-07-17 18:29:44

End at: 2019-07-17 18:30:14

Local clock offset: 7.924 ms

Remote clock offset: 3.926 ms

Below is generated by plot.py at 2019-07-17 20:50:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.30 Mbit/s

95th percentile per-packet one-way delay: 1.195 ms

Loss rate: 0.11%

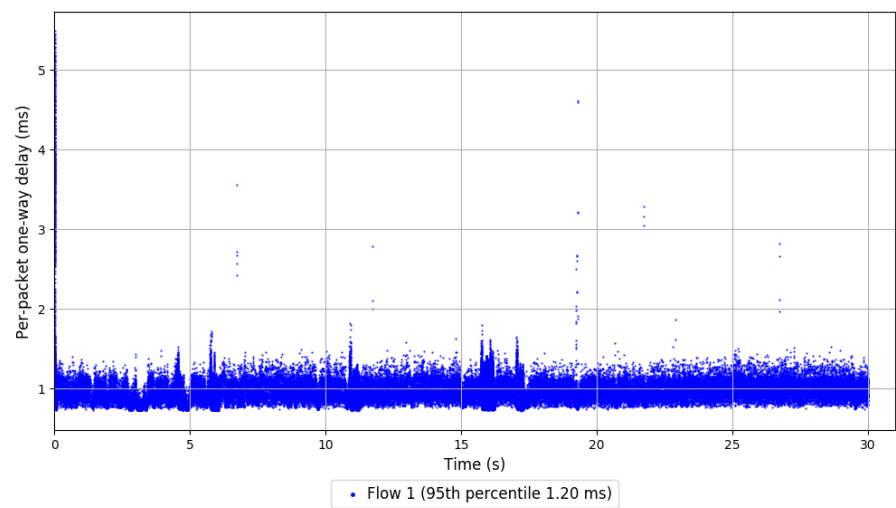
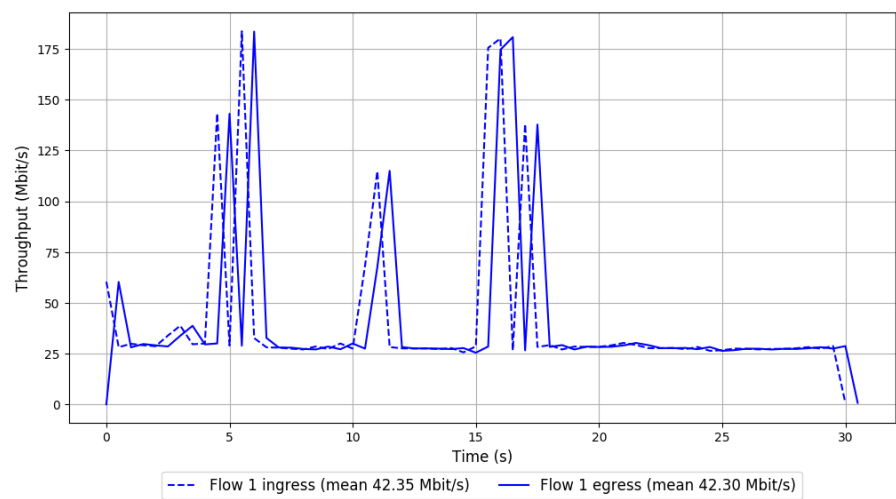
-- Flow 1:

Average throughput: 42.30 Mbit/s

95th percentile per-packet one-way delay: 1.195 ms

Loss rate: 0.11%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2019-07-17 19:01:51

End at: 2019-07-17 19:02:21

Local clock offset: 7.103 ms

Remote clock offset: 0.835 ms

Below is generated by plot.py at 2019-07-17 20:50:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.44 Mbit/s

95th percentile per-packet one-way delay: 1.406 ms

Loss rate: 0.15%

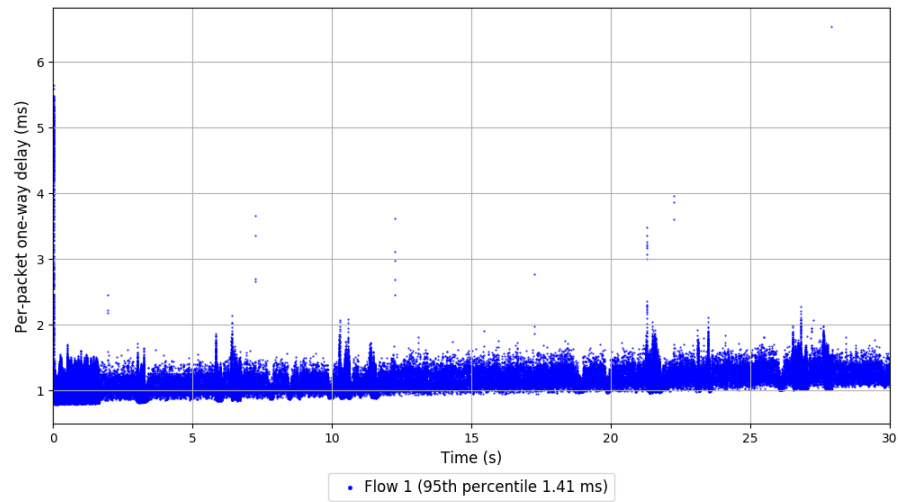
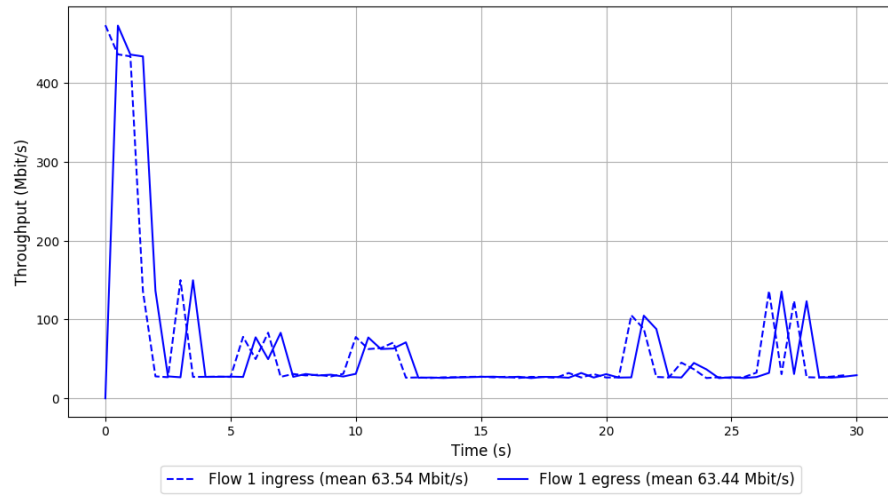
-- Flow 1:

Average throughput: 63.44 Mbit/s

95th percentile per-packet one-way delay: 1.406 ms

Loss rate: 0.15%

Run 3: Report of TCP Vegas — Data Link

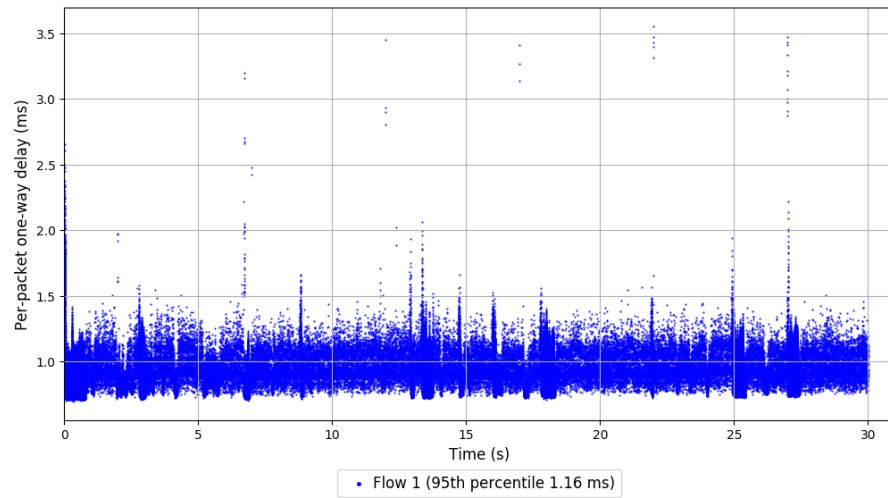
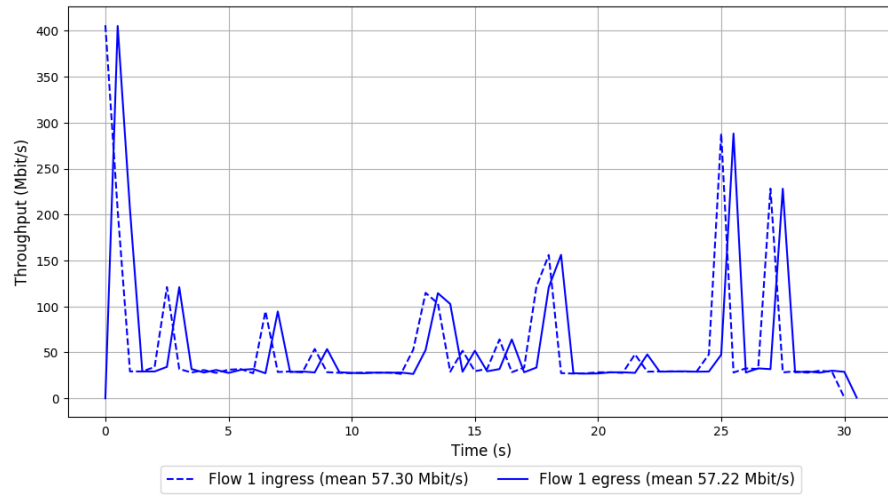


Run 4: Statistics of TCP Vegas

Start at: 2019-07-17 19:34:00
End at: 2019-07-17 19:34:30
Local clock offset: 6.591 ms
Remote clock offset: -5.254 ms

Below is generated by plot.py at 2019-07-17 20:50:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 57.22 Mbit/s
95th percentile per-packet one-way delay: 1.161 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 57.22 Mbit/s
95th percentile per-packet one-way delay: 1.161 ms
Loss rate: 0.14%

Run 4: Report of TCP Vegas — Data Link

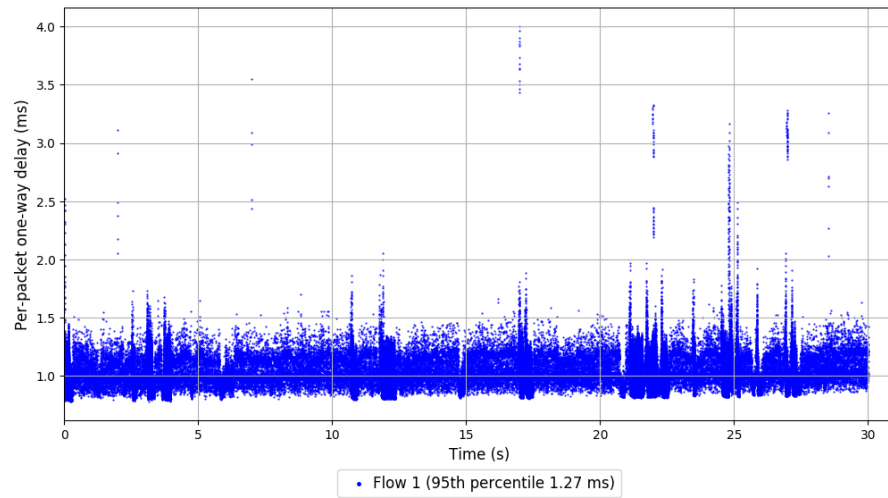
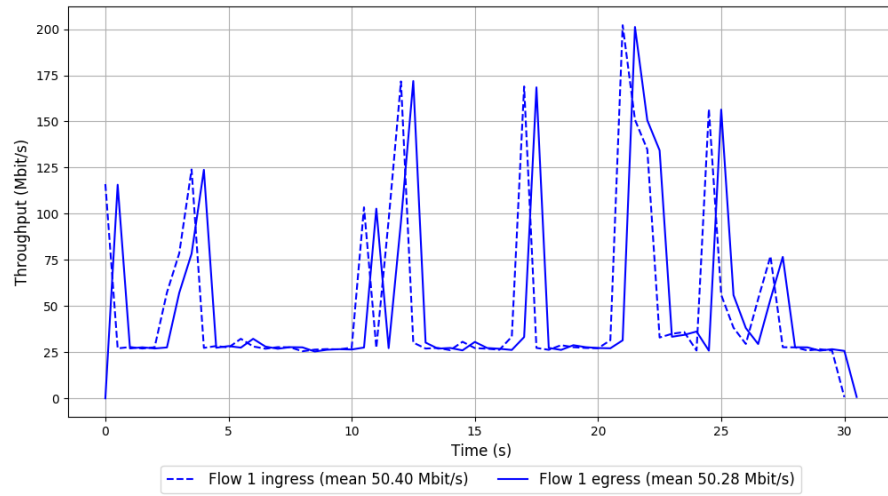


Run 5: Statistics of TCP Vegas

Start at: 2019-07-17 20:05:56
End at: 2019-07-17 20:06:26
Local clock offset: 6.455 ms
Remote clock offset: -7.739 ms

Below is generated by plot.py at 2019-07-17 20:50:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.28 Mbit/s
95th percentile per-packet one-way delay: 1.272 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 50.28 Mbit/s
95th percentile per-packet one-way delay: 1.272 ms
Loss rate: 0.25%

Run 5: Report of TCP Vegas — Data Link

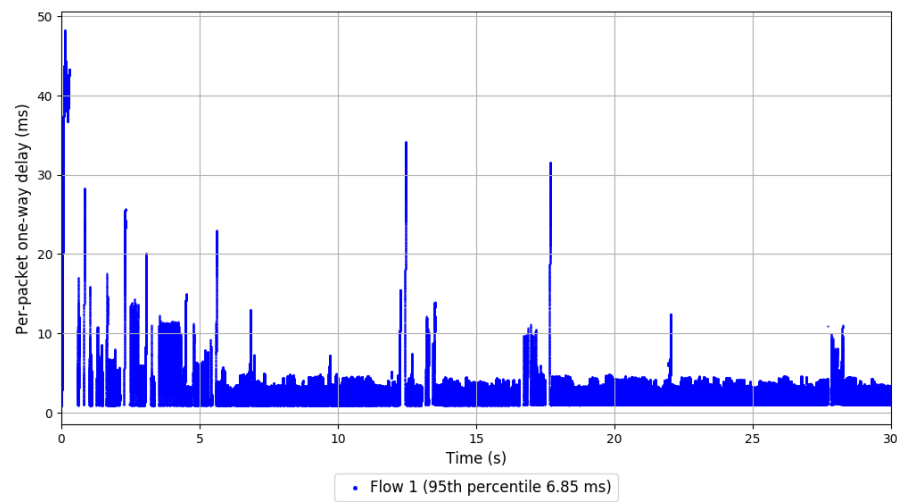
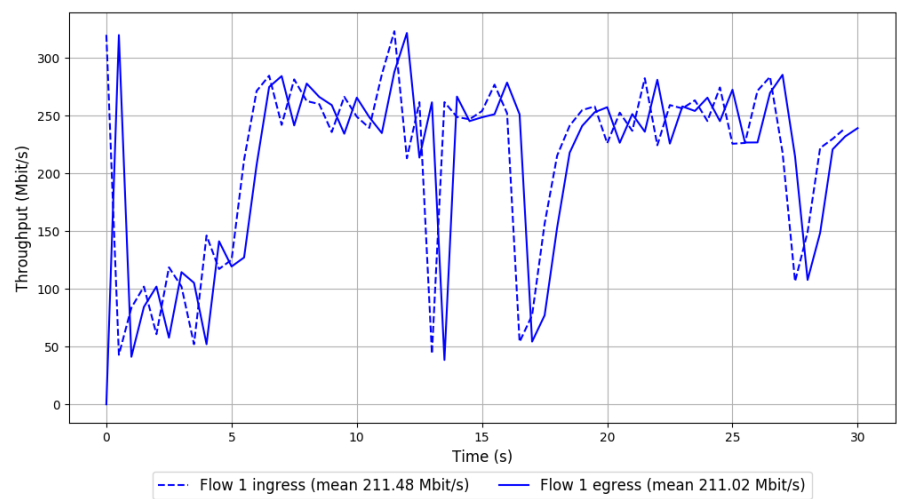


Run 1: Statistics of Verus

Start at: 2019-07-17 17:48:08
End at: 2019-07-17 17:48:38
Local clock offset: 8.528 ms
Remote clock offset: -3.987 ms

Below is generated by plot.py at 2019-07-17 20:50:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 211.02 Mbit/s
95th percentile per-packet one-way delay: 6.847 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 211.02 Mbit/s
95th percentile per-packet one-way delay: 6.847 ms
Loss rate: 0.21%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2019-07-17 18:20:18

End at: 2019-07-17 18:20:48

Local clock offset: 8.47 ms

Remote clock offset: 4.536 ms

Below is generated by plot.py at 2019-07-17 20:50:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 163.74 Mbit/s

95th percentile per-packet one-way delay: 7.479 ms

Loss rate: 0.71%

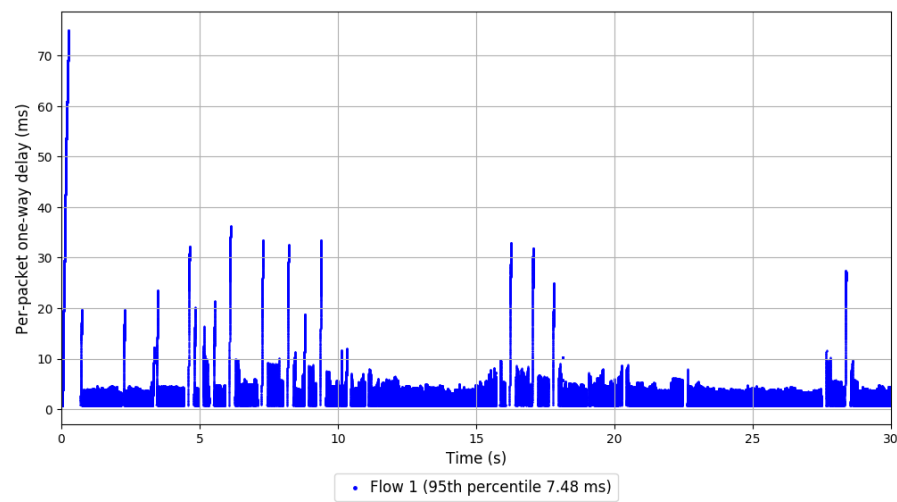
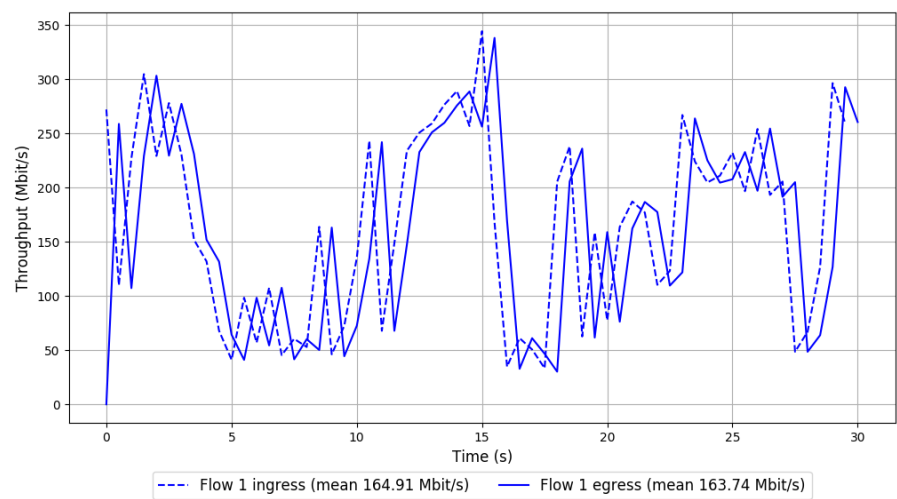
-- Flow 1:

Average throughput: 163.74 Mbit/s

95th percentile per-packet one-way delay: 7.479 ms

Loss rate: 0.71%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2019-07-17 18:52:16

End at: 2019-07-17 18:52:46

Local clock offset: 7.438 ms

Remote clock offset: 2.943 ms

Below is generated by plot.py at 2019-07-17 20:50:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 188.09 Mbit/s

95th percentile per-packet one-way delay: 17.694 ms

Loss rate: 0.53%

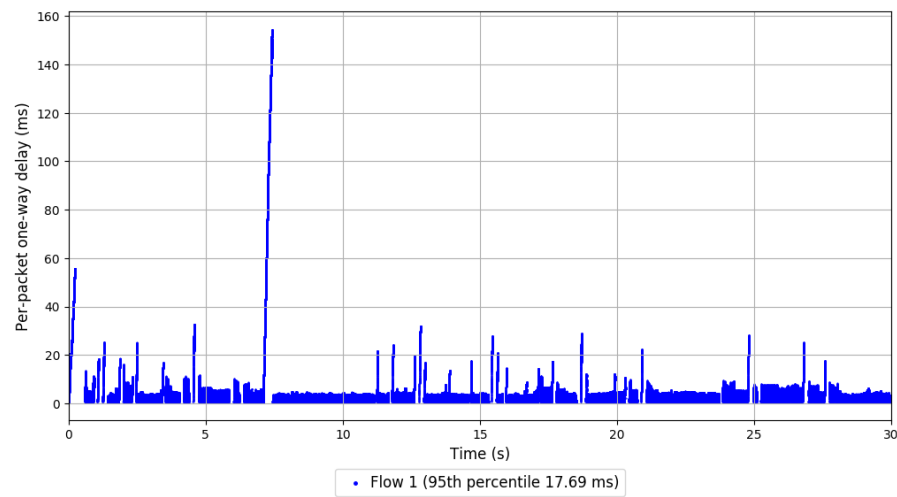
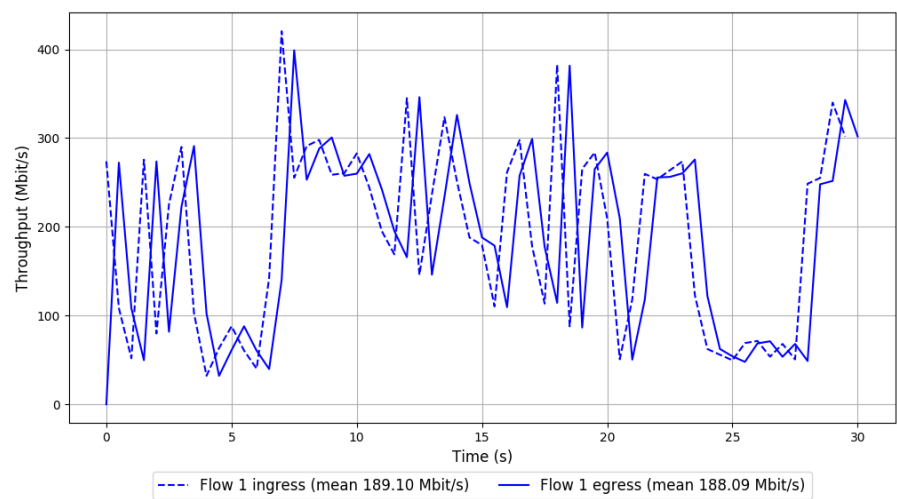
-- Flow 1:

Average throughput: 188.09 Mbit/s

95th percentile per-packet one-way delay: 17.694 ms

Loss rate: 0.53%

Run 3: Report of Verus — Data Link

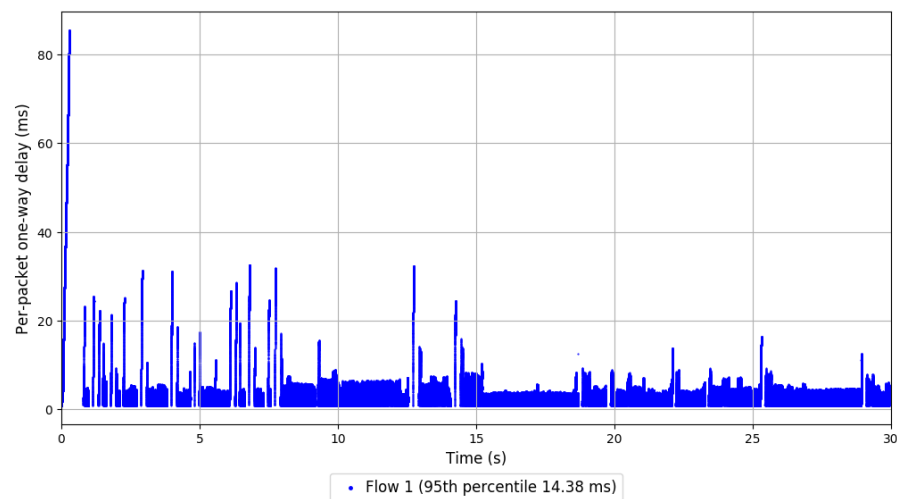
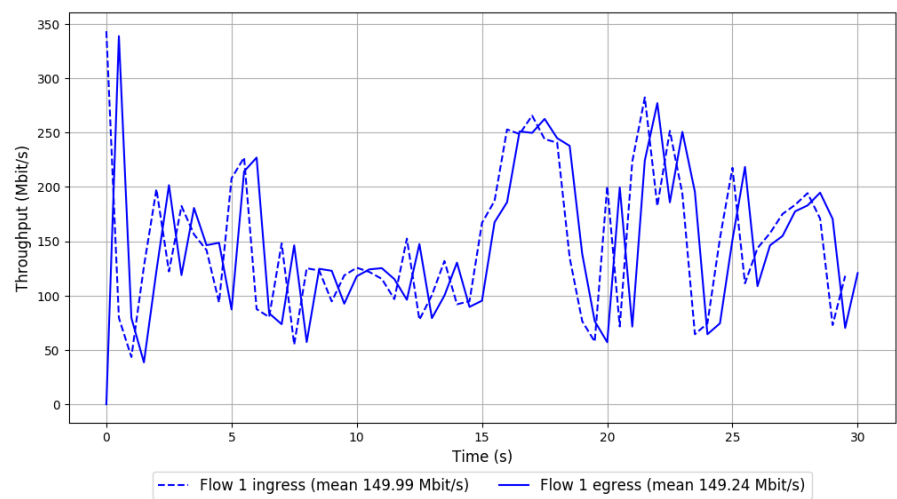


Run 4: Statistics of Verus

Start at: 2019-07-17 19:24:35
End at: 2019-07-17 19:25:05
Local clock offset: 7.203 ms
Remote clock offset: -4.376 ms

Below is generated by plot.py at 2019-07-17 20:50:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 149.24 Mbit/s
95th percentile per-packet one-way delay: 14.380 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 149.24 Mbit/s
95th percentile per-packet one-way delay: 14.380 ms
Loss rate: 0.49%

Run 4: Report of Verus — Data Link

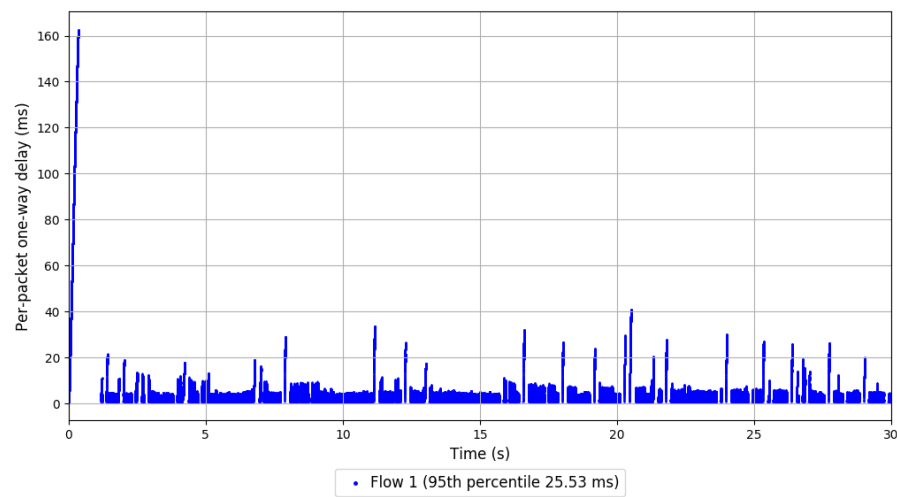
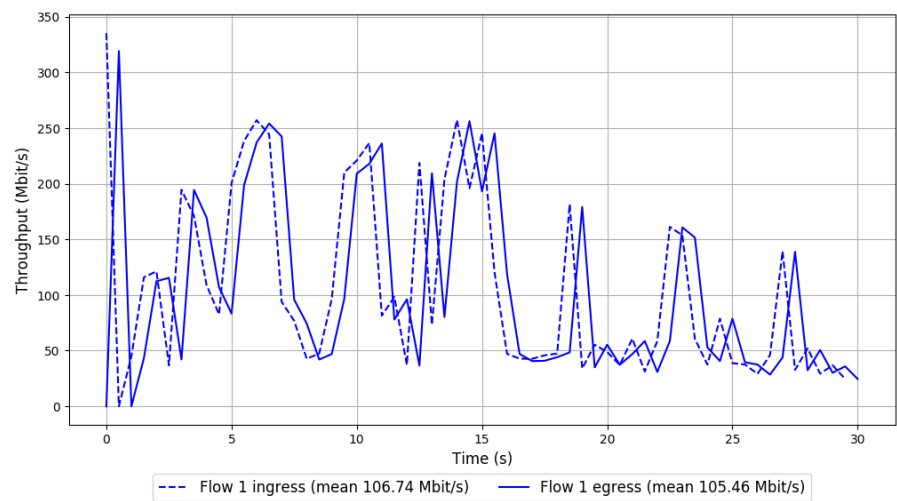


Run 5: Statistics of Verus

Start at: 2019-07-17 19:56:32
End at: 2019-07-17 19:57:02
Local clock offset: 6.33 ms
Remote clock offset: -6.985 ms

Below is generated by plot.py at 2019-07-17 20:50:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 105.46 Mbit/s
95th percentile per-packet one-way delay: 25.527 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 105.46 Mbit/s
95th percentile per-packet one-way delay: 25.527 ms
Loss rate: 1.20%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-07-17 17:27:43

End at: 2019-07-17 17:28:13

Local clock offset: -2.375 ms

Remote clock offset: -2.782 ms

Below is generated by plot.py at 2019-07-17 20:50:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 234.86 Mbit/s

95th percentile per-packet one-way delay: 2.118 ms

Loss rate: 0.13%

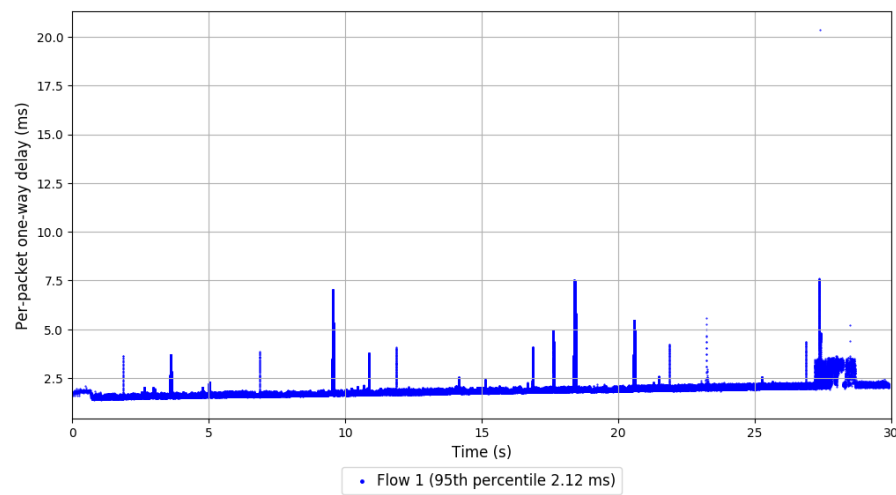
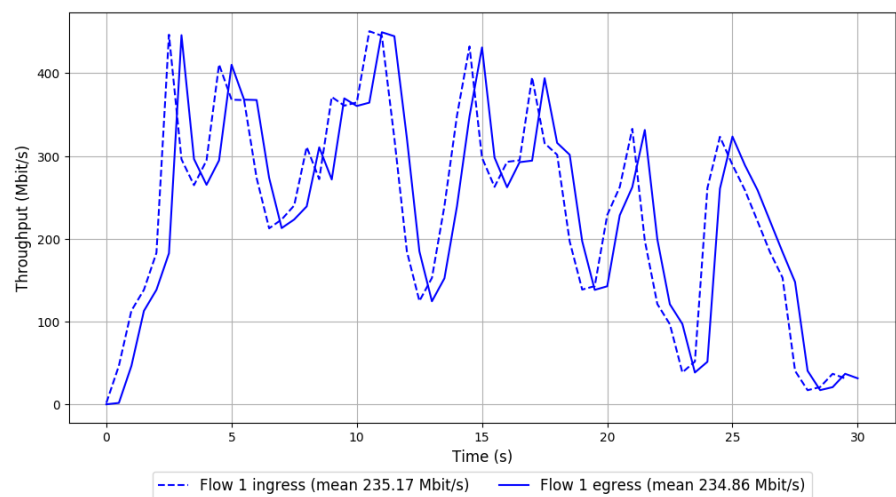
-- Flow 1:

Average throughput: 234.86 Mbit/s

95th percentile per-packet one-way delay: 2.118 ms

Loss rate: 0.13%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-07-17 18:00:08

End at: 2019-07-17 18:00:38

Local clock offset: 8.791 ms

Remote clock offset: 1.195 ms

Below is generated by plot.py at 2019-07-17 20:50:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 282.65 Mbit/s

95th percentile per-packet one-way delay: 0.708 ms

Loss rate: 0.11%

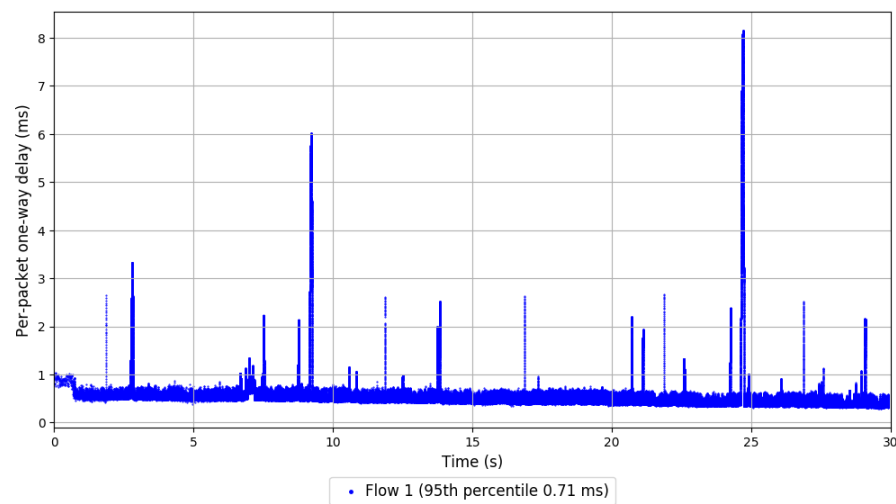
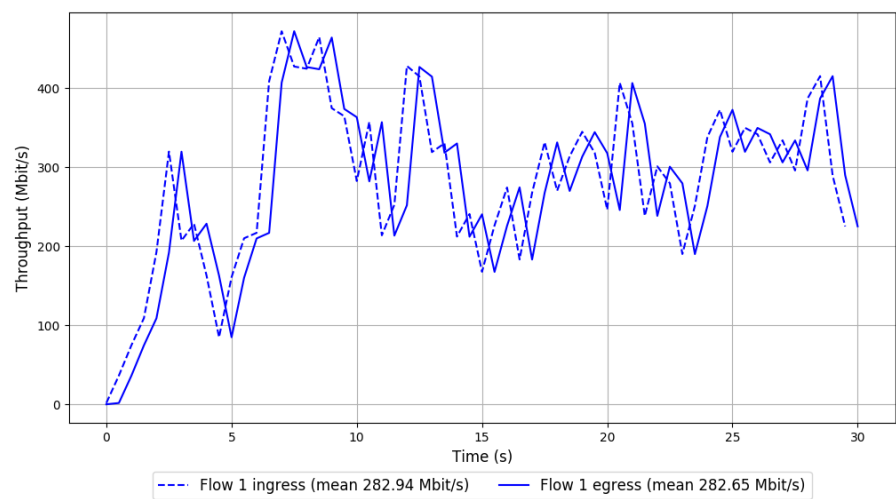
-- Flow 1:

Average throughput: 282.65 Mbit/s

95th percentile per-packet one-way delay: 0.708 ms

Loss rate: 0.11%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-07-17 18:32:13

End at: 2019-07-17 18:32:43

Local clock offset: 7.679 ms

Remote clock offset: 3.585 ms

Below is generated by plot.py at 2019-07-17 20:50:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 225.91 Mbit/s

95th percentile per-packet one-way delay: 0.916 ms

Loss rate: 0.15%

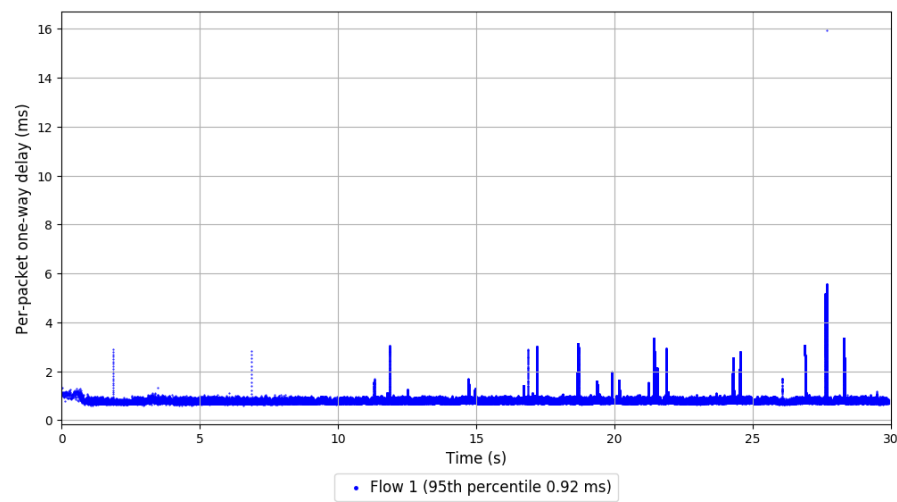
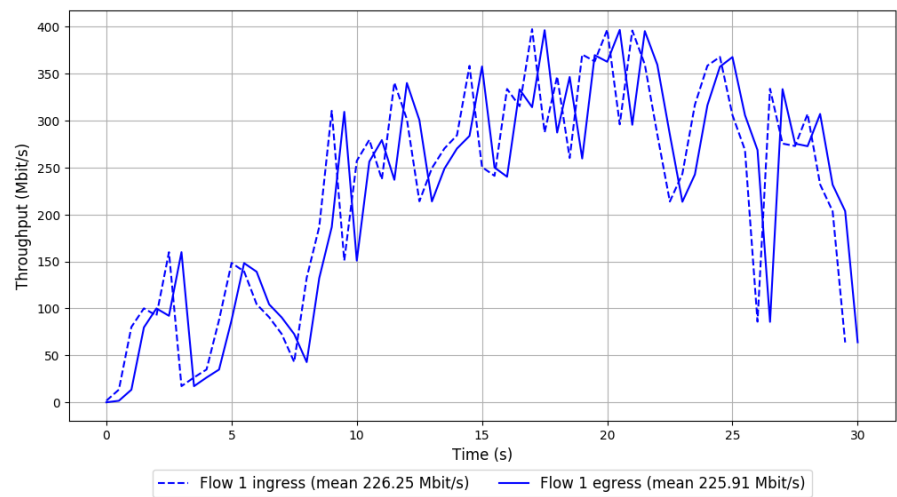
-- Flow 1:

Average throughput: 225.91 Mbit/s

95th percentile per-packet one-way delay: 0.916 ms

Loss rate: 0.15%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-07-17 19:04:20

End at: 2019-07-17 19:04:50

Local clock offset: 7.05 ms

Remote clock offset: -0.341 ms

Below is generated by plot.py at 2019-07-17 20:50:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 268.93 Mbit/s

95th percentile per-packet one-way delay: 1.824 ms

Loss rate: 0.17%

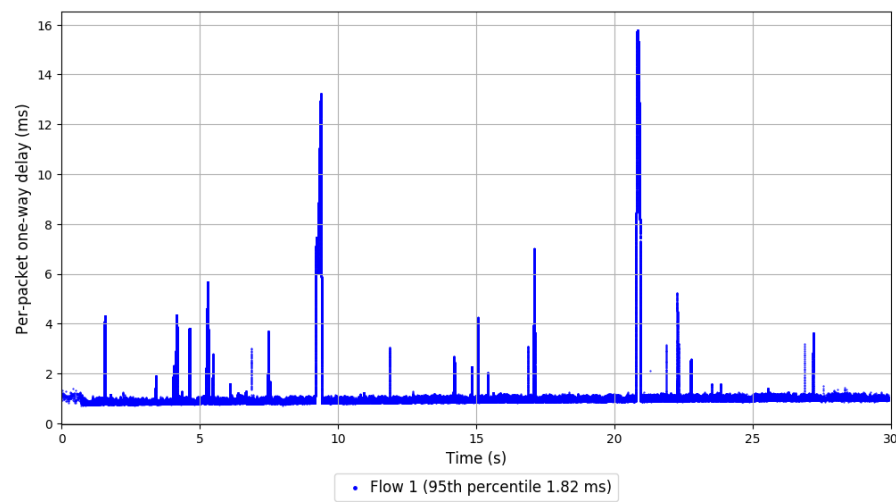
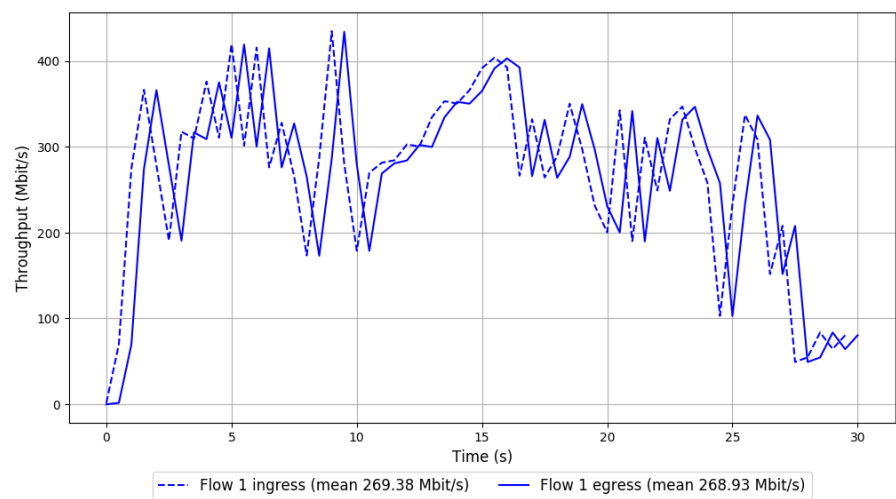
-- Flow 1:

Average throughput: 268.93 Mbit/s

95th percentile per-packet one-way delay: 1.824 ms

Loss rate: 0.17%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-07-17 19:36:29

End at: 2019-07-17 19:36:59

Local clock offset: 6.475 ms

Remote clock offset: -5.465 ms

Below is generated by plot.py at 2019-07-17 20:50:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 276.60 Mbit/s

95th percentile per-packet one-way delay: 1.014 ms

Loss rate: 0.23%

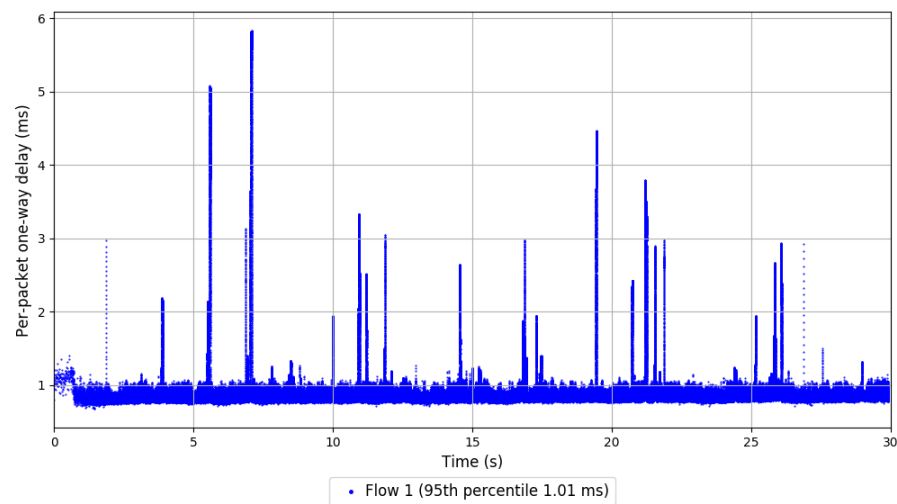
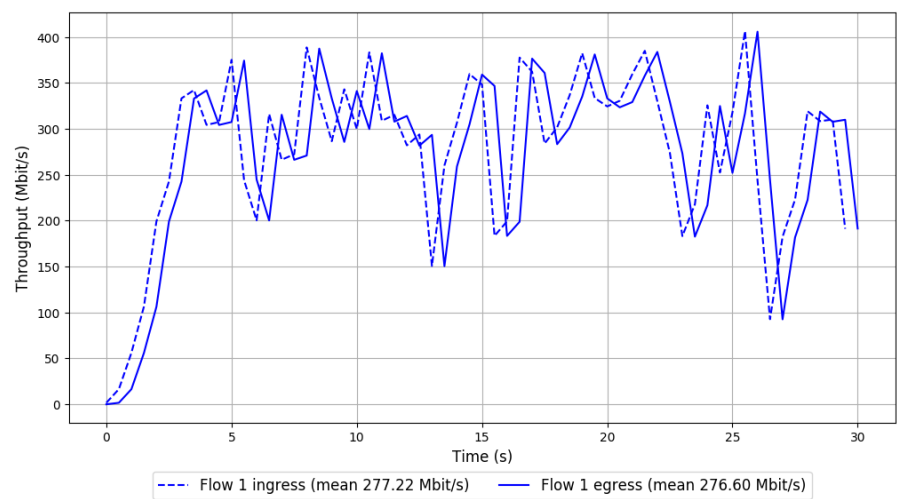
-- Flow 1:

Average throughput: 276.60 Mbit/s

95th percentile per-packet one-way delay: 1.014 ms

Loss rate: 0.23%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2019-07-17 17:26:30

End at: 2019-07-17 17:27:00

Local clock offset: -4.11 ms

Remote clock offset: -2.694 ms

Below is generated by plot.py at 2019-07-17 20:50:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 2.462 ms

Loss rate: 0.00%

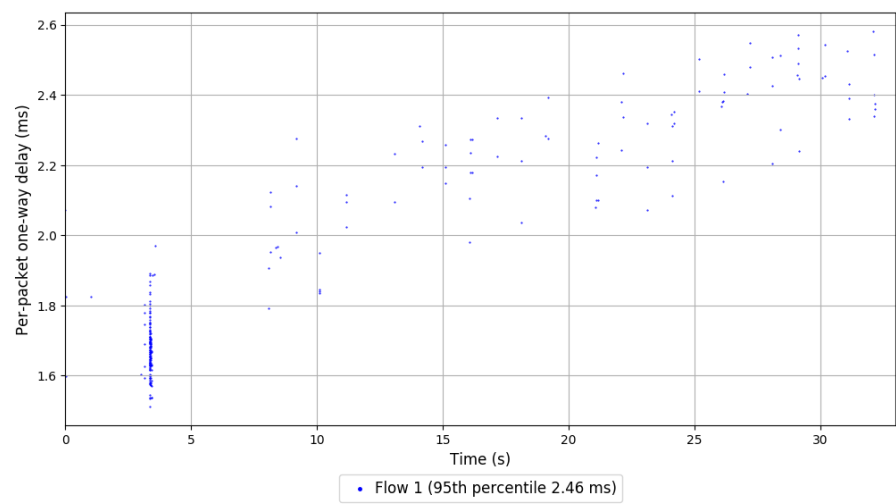
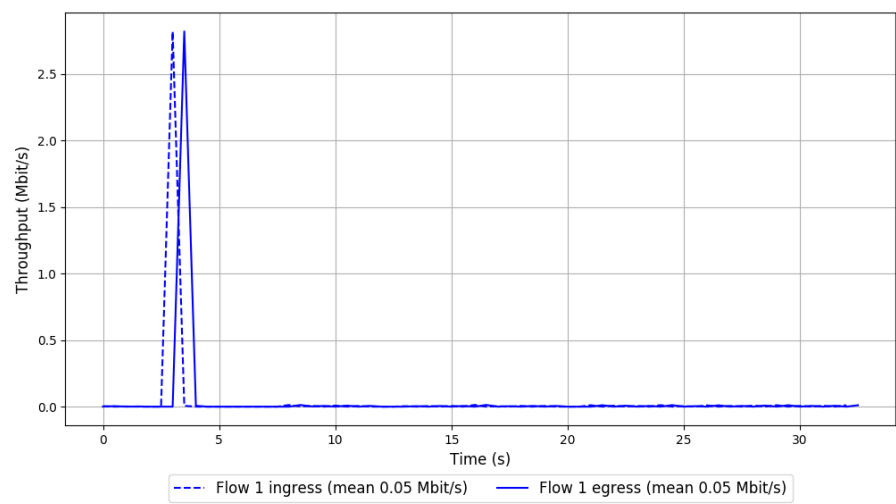
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 2.462 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2019-07-17 17:58:54

End at: 2019-07-17 17:59:24

Local clock offset: 8.922 ms

Remote clock offset: 0.866 ms

Below is generated by plot.py at 2019-07-17 20:50:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 2.592 ms

Loss rate: 0.00%

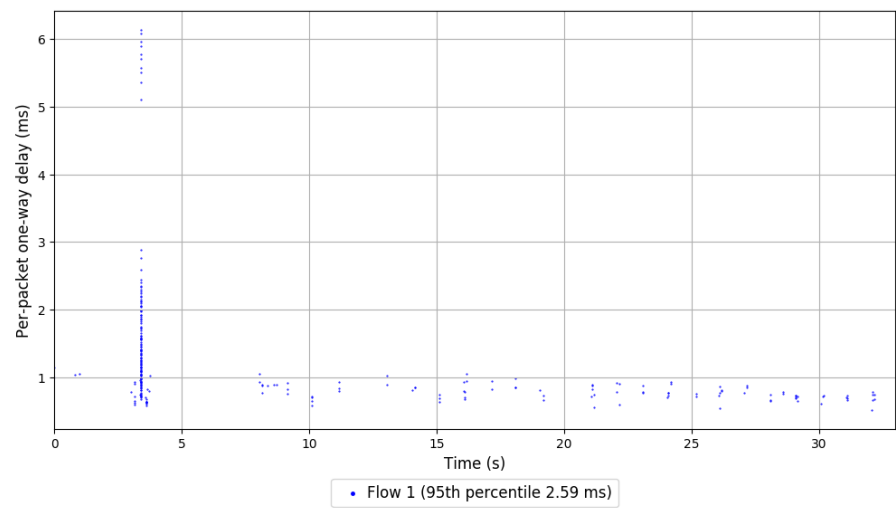
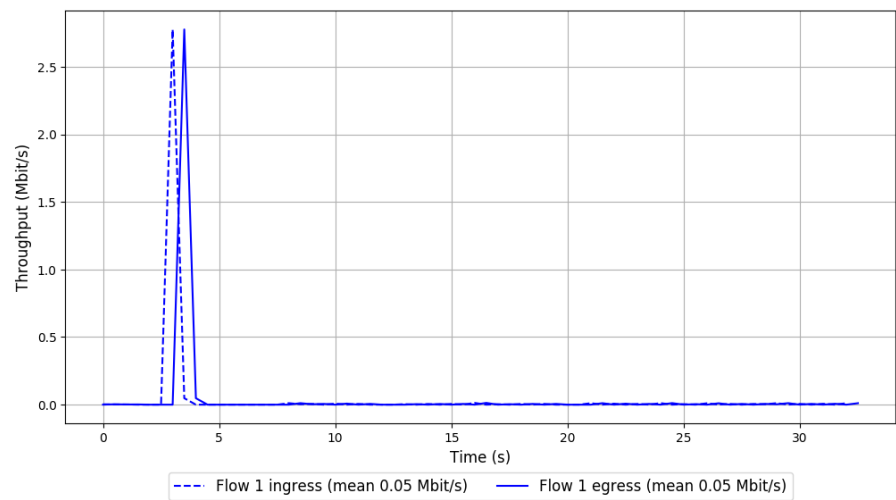
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 2.592 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-07-17 18:30:59

End at: 2019-07-17 18:31:29

Local clock offset: 7.79 ms

Remote clock offset: 3.716 ms

Below is generated by plot.py at 2019-07-17 20:50:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 2.964 ms

Loss rate: 0.00%

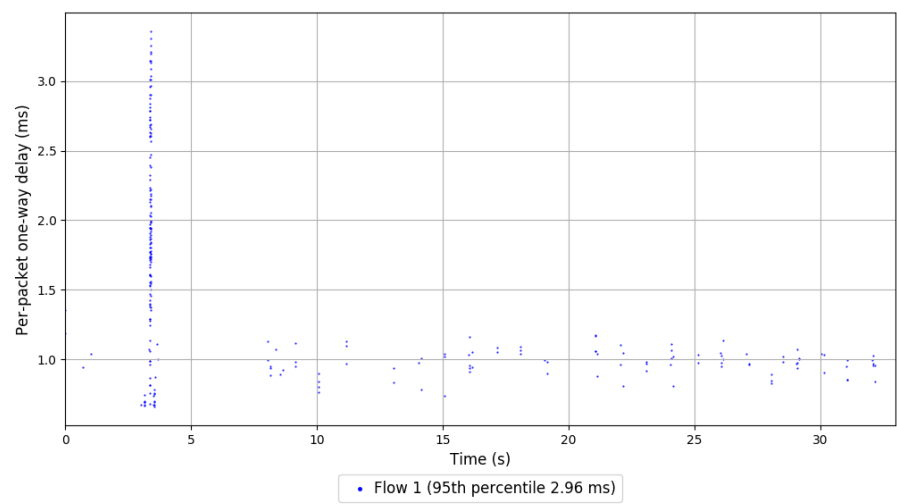
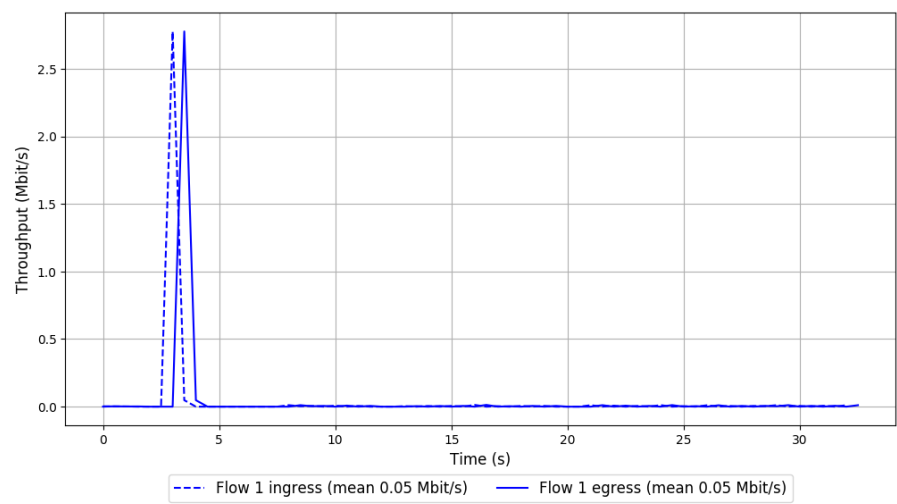
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 2.964 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-07-17 19:03:07

End at: 2019-07-17 19:03:37

Local clock offset: 7.097 ms

Remote clock offset: 0.223 ms

Below is generated by plot.py at 2019-07-17 20:50:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 3.463 ms

Loss rate: 0.00%

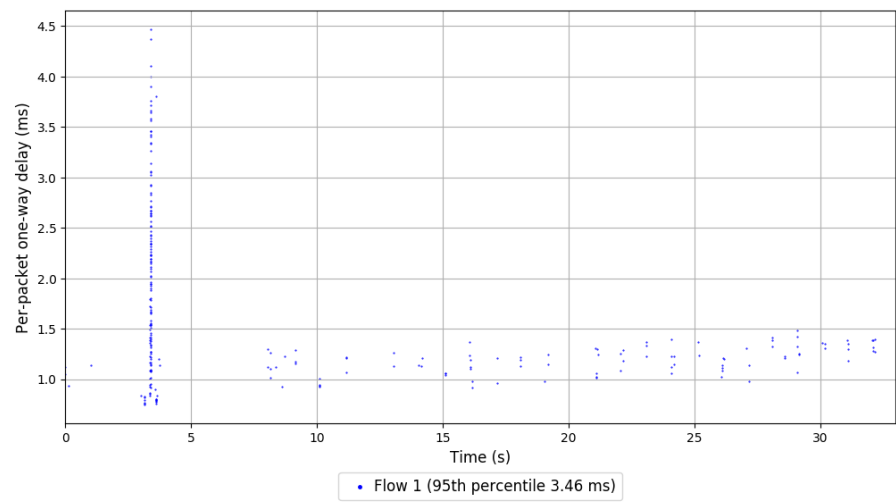
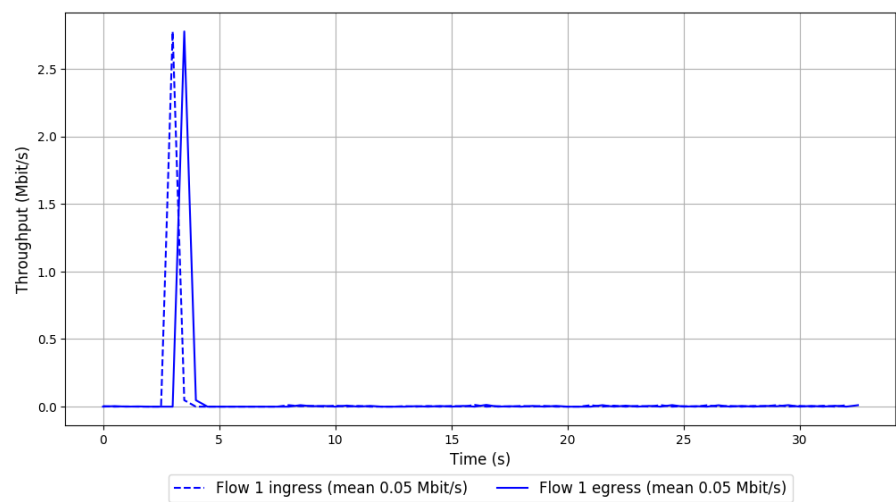
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 3.463 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-07-17 19:35:15
End at: 2019-07-17 19:35:45
Local clock offset: 6.534 ms
Remote clock offset: -5.384 ms

Below is generated by plot.py at 2019-07-17 20:50:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 4.098 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 4.098 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

