

Pantheon Report

Generated at 2019-06-27 22:34:03 (UTC).

Data path: AWS California 1 on `ens5` (*local*) → Stanford on `eno1` (*remote*).

Repeated the test of 22 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:

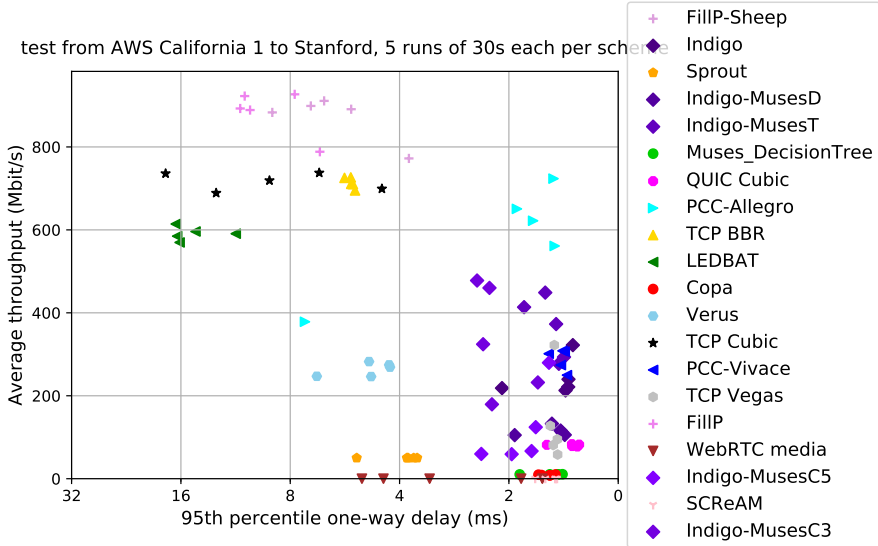
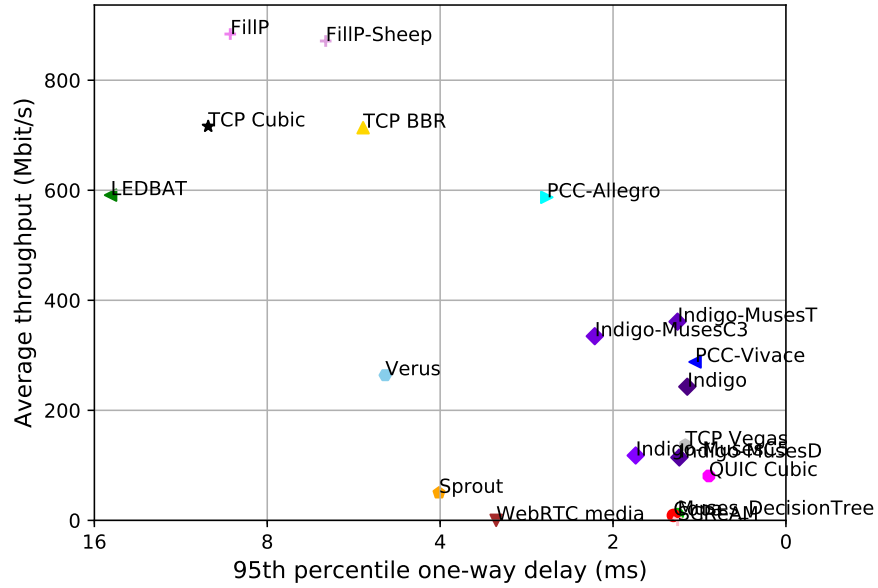
```
Linux 4.15.0-1039-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

```
branch: muses @ c3953d08f32ec7ebbdede2d2f0cbdeed262571ef
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_dtrees @ 11c9498ecb1596b02ccd896791a02d03172af7ed
M helpers/__init__.pyc
M helpers/context.pyc
M helpers/utls.pyc
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-quic @ 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	713.70	5.45	0.02
Copa	5	9.00	1.30	50.01
TCP Cubic	5	716.08	10.14	0.02
FillP	5	883.93	9.28	4.56
FillP-Sheep	5	871.28	6.33	3.55
Indigo	5	242.92	1.14	0.00
Indigo-MusesC3	5	334.74	2.15	0.01
Indigo-MusesC5	5	117.90	1.74	0.02
Indigo-MusesD	5	114.30	1.23	0.00
Indigo-MusesT	5	361.15	1.25	0.00
LEDBAT	5	591.15	14.99	0.04
Muses_DecisionTree	5	10.47	1.25	0.00
PCC-Allegro	5	587.19	2.61	0.02
PCC-Expr	0	N/A	N/A	N/A
QUIC Cubic	5	80.74	0.89	0.00
SCReAM	5	0.22	1.25	0.00
Sprout	5	50.06	4.02	0.02
TaoVA-100x	0	N/A	N/A	N/A
TCP Vegas	5	136.84	1.16	0.00
Verus	5	263.85	4.99	0.53
PCC-Vivace	5	287.96	1.05	0.00
WebRTC media	5	0.05	3.20	0.01

Run 1: Statistics of TCP BBR

Start at: 2019-06-27 19:34:46

End at: 2019-06-27 19:35:16

Local clock offset: 0.32 ms

Remote clock offset: -3.034 ms

Below is generated by plot.py at 2019-06-27 21:52:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 695.13 Mbit/s

95th percentile per-packet one-way delay: 5.305 ms

Loss rate: 0.02%

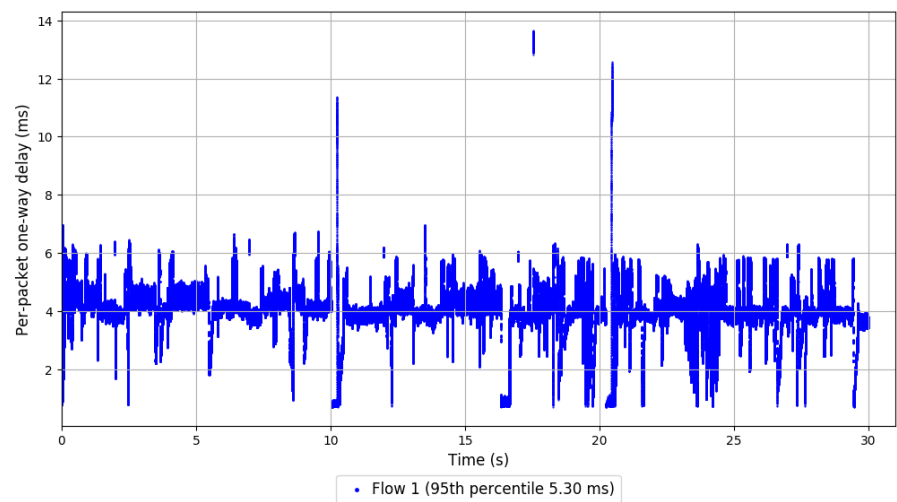
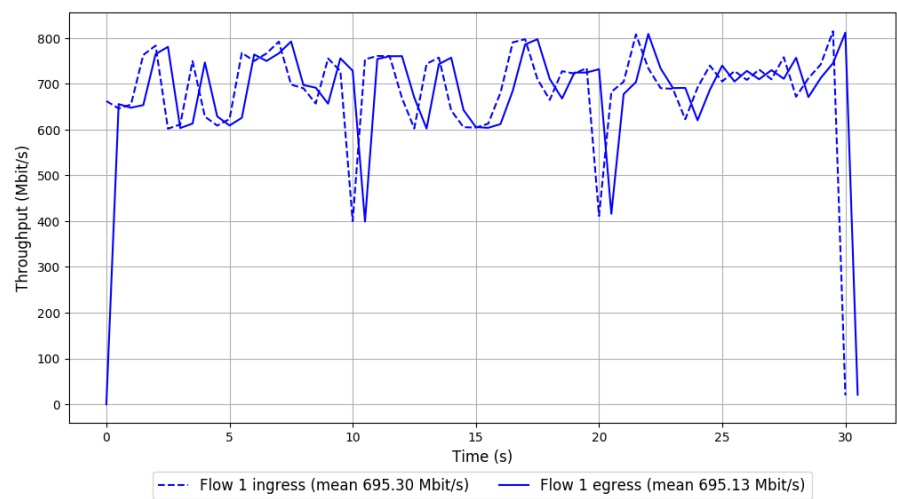
-- Flow 1:

Average throughput: 695.13 Mbit/s

95th percentile per-packet one-way delay: 5.305 ms

Loss rate: 0.02%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-06-27 20:05:34

End at: 2019-06-27 20:06:04

Local clock offset: -0.191 ms

Remote clock offset: 0.09 ms

Below is generated by plot.py at 2019-06-27 21:52:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 710.39 Mbit/s

95th percentile per-packet one-way delay: 5.377 ms

Loss rate: 0.01%

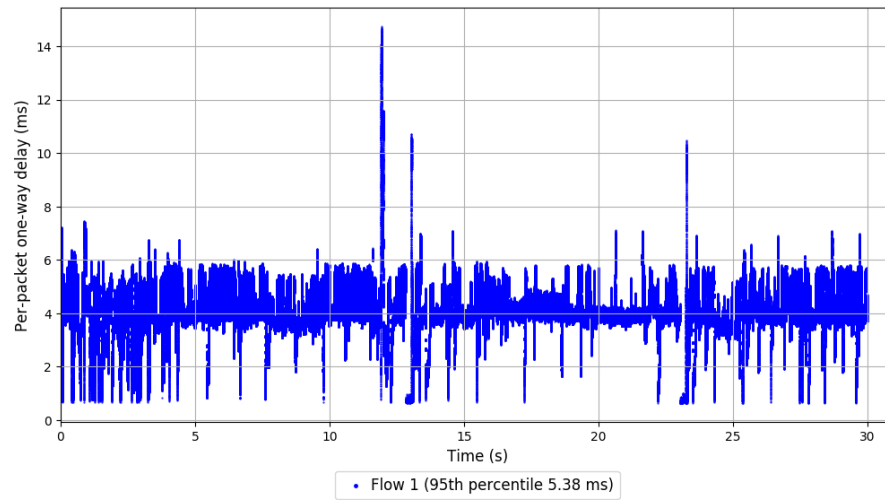
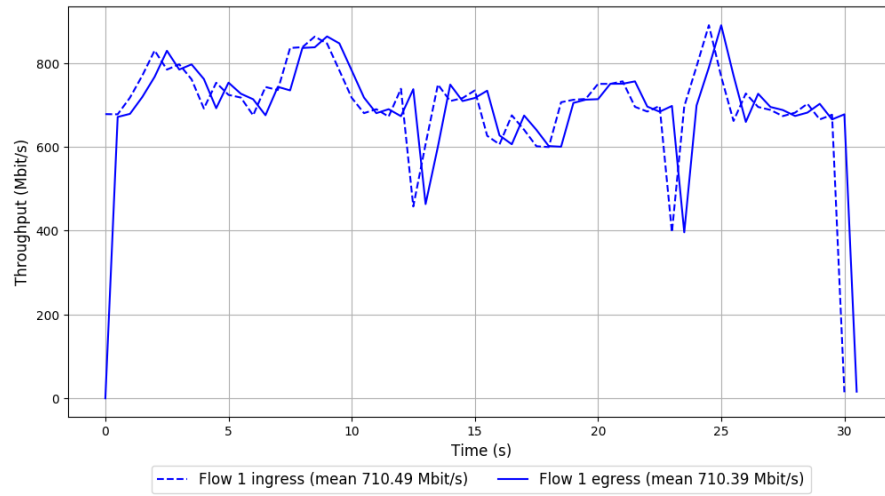
-- Flow 1:

Average throughput: 710.39 Mbit/s

95th percentile per-packet one-way delay: 5.377 ms

Loss rate: 0.01%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-06-27 20:35:54

End at: 2019-06-27 20:36:24

Local clock offset: -3.472 ms

Remote clock offset: 0.303 ms

Below is generated by plot.py at 2019-06-27 21:52:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 726.58 Mbit/s

95th percentile per-packet one-way delay: 5.449 ms

Loss rate: 0.02%

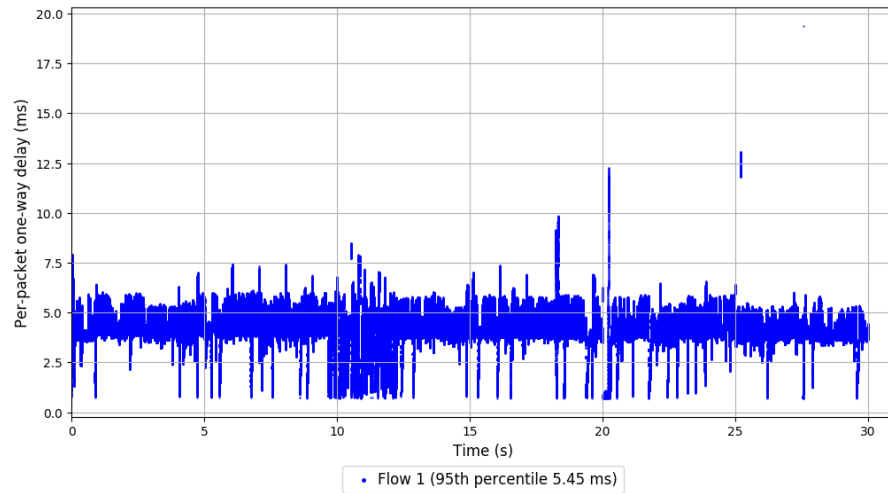
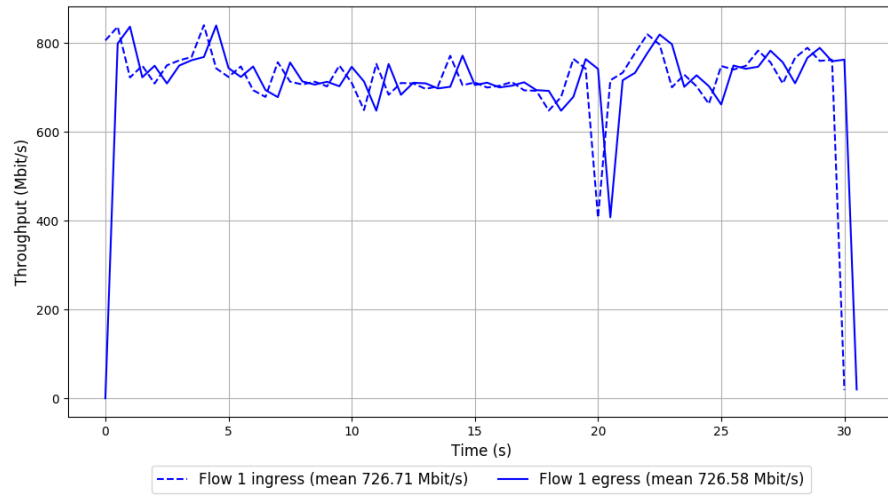
-- Flow 1:

Average throughput: 726.58 Mbit/s

95th percentile per-packet one-way delay: 5.449 ms

Loss rate: 0.02%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-06-27 21:06:29

End at: 2019-06-27 21:06:59

Local clock offset: -5.66 ms

Remote clock offset: -2.374 ms

Below is generated by plot.py at 2019-06-27 21:52:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 710.99 Mbit/s

95th percentile per-packet one-way delay: 5.435 ms

Loss rate: 0.02%

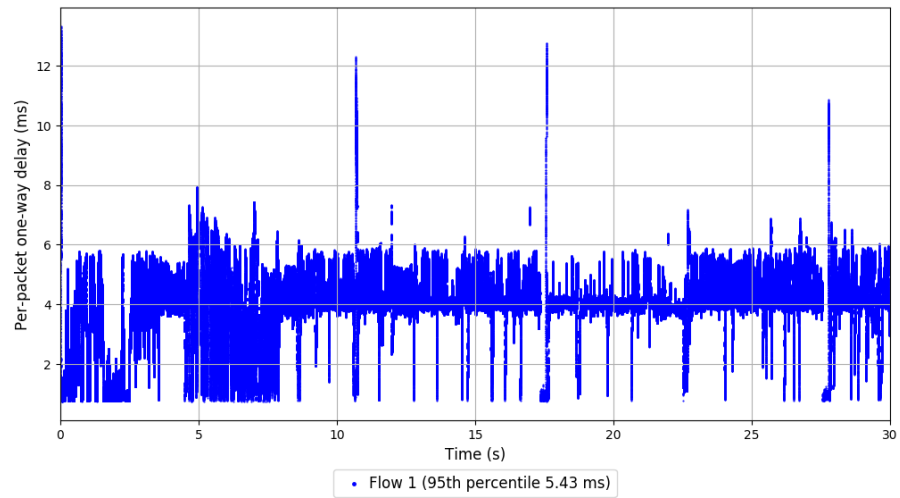
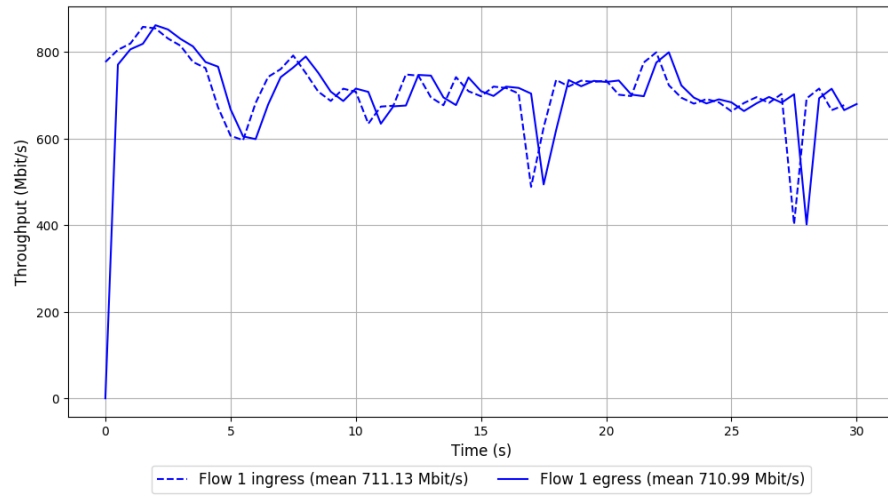
-- Flow 1:

Average throughput: 710.99 Mbit/s

95th percentile per-packet one-way delay: 5.435 ms

Loss rate: 0.02%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-06-27 21:36:58

End at: 2019-06-27 21:37:28

Local clock offset: 4.214 ms

Remote clock offset: -3.284 ms

Below is generated by plot.py at 2019-06-27 21:52:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 725.43 Mbit/s

95th percentile per-packet one-way delay: 5.671 ms

Loss rate: 0.01%

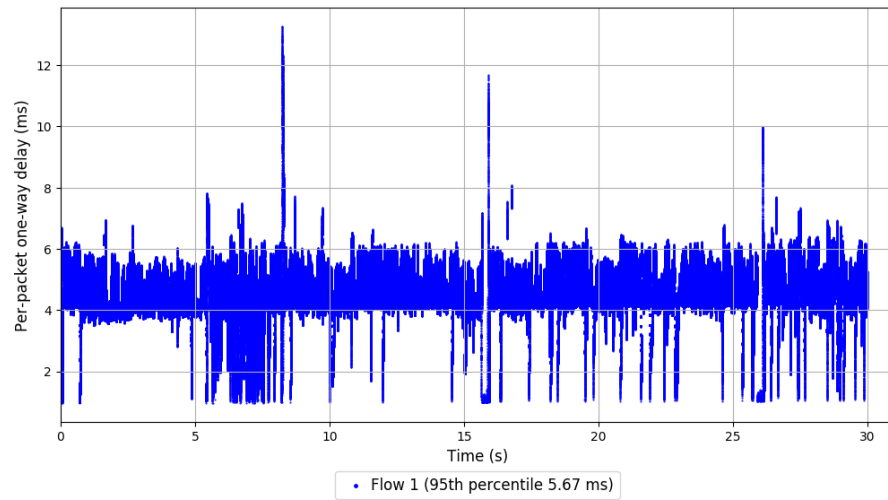
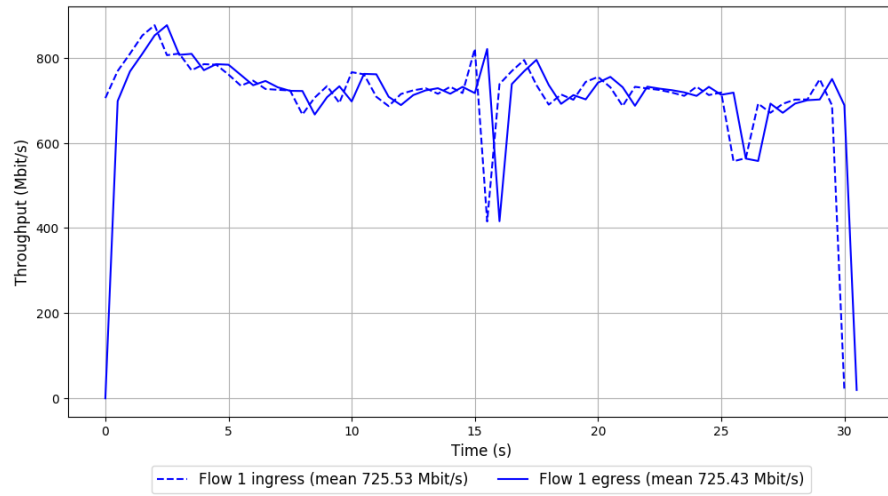
-- Flow 1:

Average throughput: 725.43 Mbit/s

95th percentile per-packet one-way delay: 5.671 ms

Loss rate: 0.01%

Run 5: Report of TCP BBR — Data Link

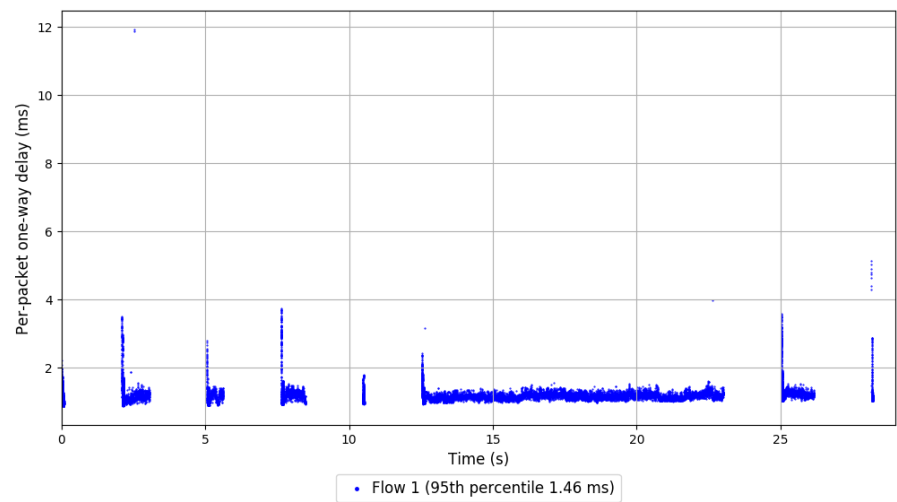
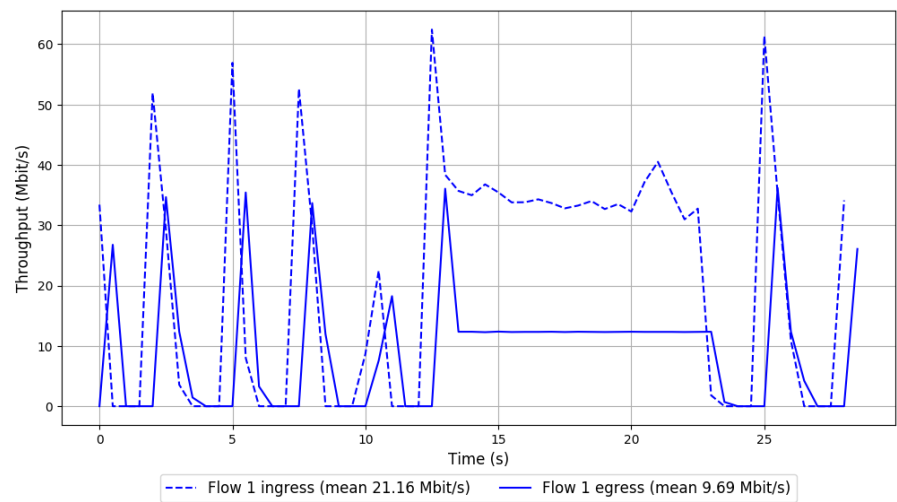


Run 1: Statistics of Copa

Start at: 2019-06-27 19:14:24
End at: 2019-06-27 19:14:54
Local clock offset: 3.519 ms
Remote clock offset: -0.371 ms

Below is generated by plot.py at 2019-06-27 21:52:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.69 Mbit/s
95th percentile per-packet one-way delay: 1.459 ms
Loss rate: 54.19%
-- Flow 1:
Average throughput: 9.69 Mbit/s
95th percentile per-packet one-way delay: 1.459 ms
Loss rate: 54.19%

Run 1: Report of Copa — Data Link

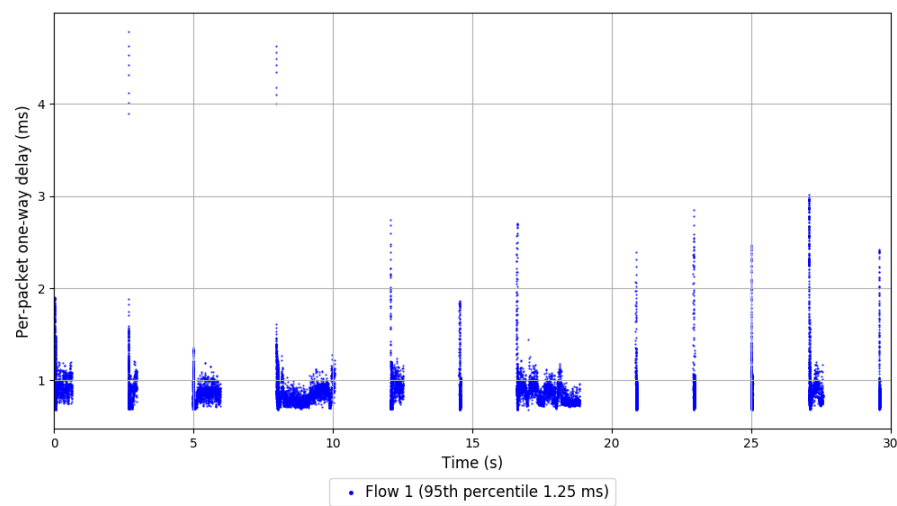
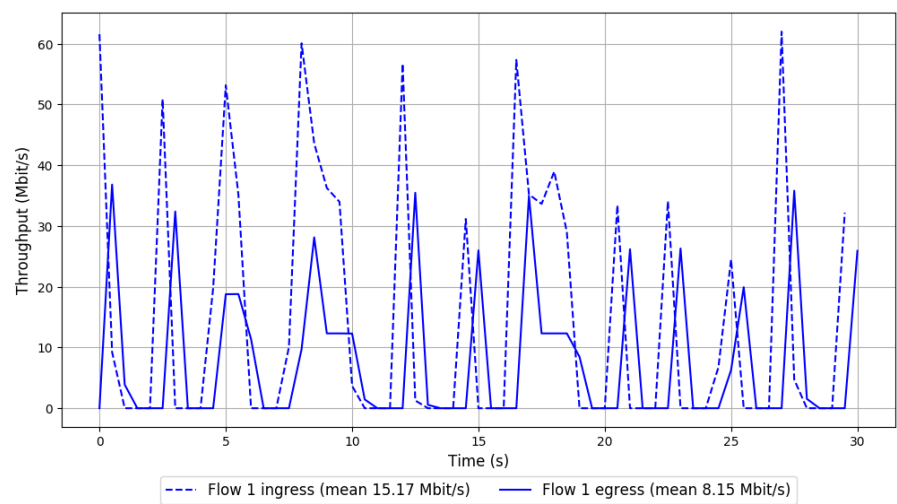


Run 2: Statistics of Copa

Start at: 2019-06-27 19:45:01
End at: 2019-06-27 19:45:31
Local clock offset: -0.206 ms
Remote clock offset: -3.454 ms

Below is generated by plot.py at 2019-06-27 21:52:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 8.15 Mbit/s
95th percentile per-packet one-way delay: 1.251 ms
Loss rate: 46.28%
-- Flow 1:
Average throughput: 8.15 Mbit/s
95th percentile per-packet one-way delay: 1.251 ms
Loss rate: 46.28%

Run 2: Report of Copa — Data Link

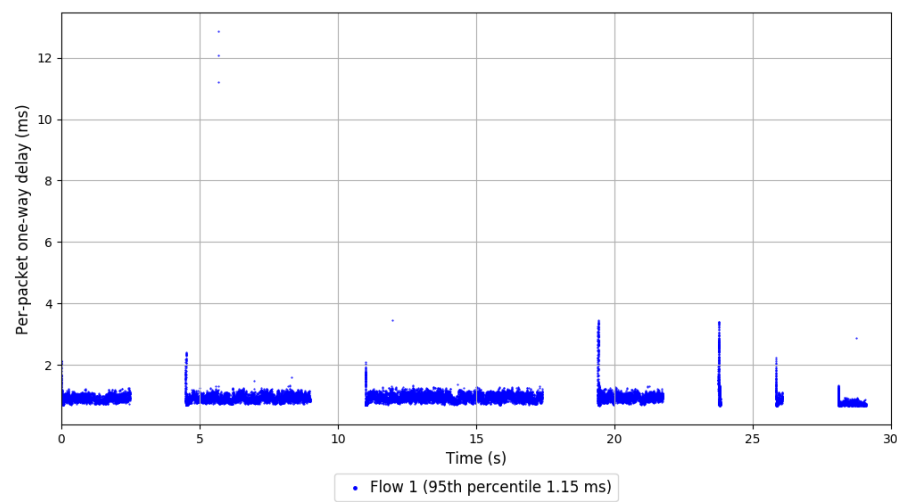
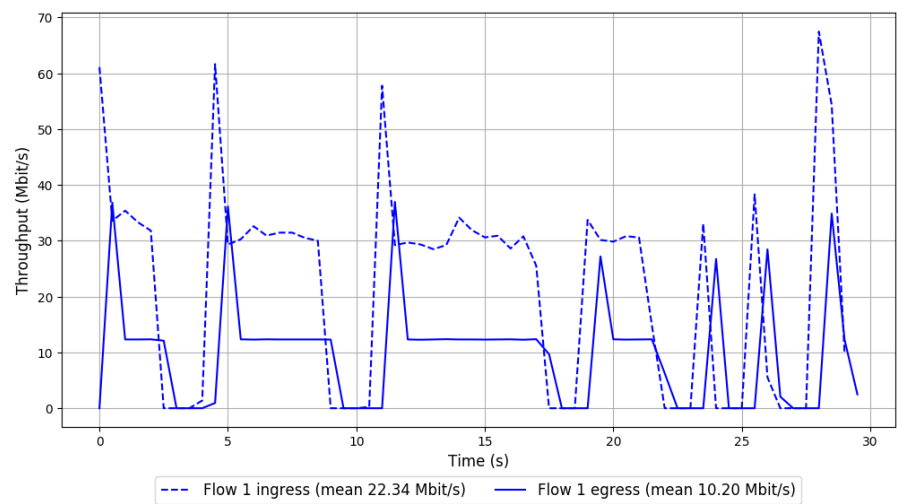


Run 3: Statistics of Copa

Start at: 2019-06-27 20:15:36
End at: 2019-06-27 20:16:06
Local clock offset: -0.324 ms
Remote clock offset: 0.636 ms

Below is generated by plot.py at 2019-06-27 21:52:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.20 Mbit/s
95th percentile per-packet one-way delay: 1.148 ms
Loss rate: 54.35%
-- Flow 1:
Average throughput: 10.20 Mbit/s
95th percentile per-packet one-way delay: 1.148 ms
Loss rate: 54.35%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2019-06-27 20:46:00

End at: 2019-06-27 20:46:30

Local clock offset: -4.296 ms

Remote clock offset: 0.25 ms

Below is generated by plot.py at 2019-06-27 21:52:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.20 Mbit/s

95th percentile per-packet one-way delay: 1.251 ms

Loss rate: 45.93%

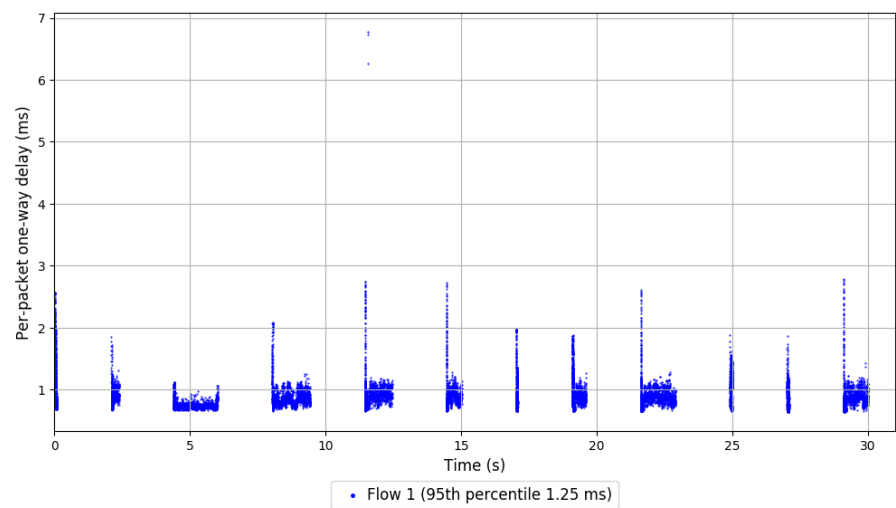
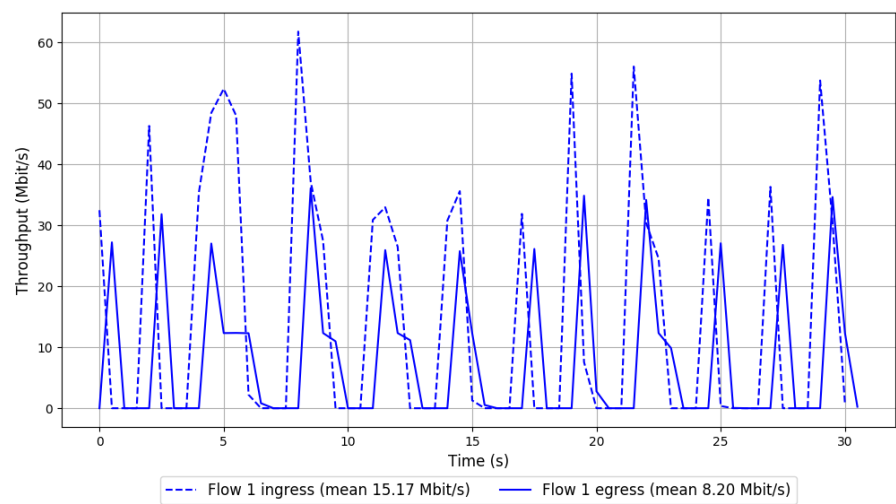
-- Flow 1:

Average throughput: 8.20 Mbit/s

95th percentile per-packet one-way delay: 1.251 ms

Loss rate: 45.93%

Run 4: Report of Copa — Data Link

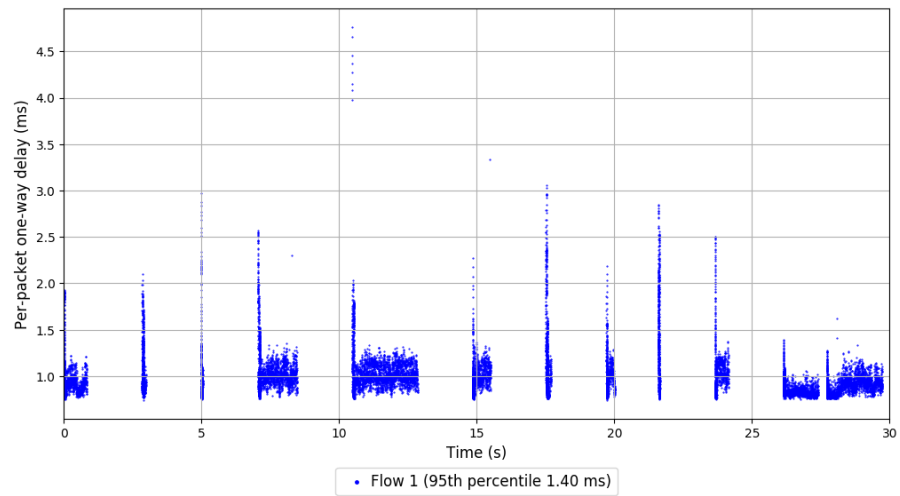
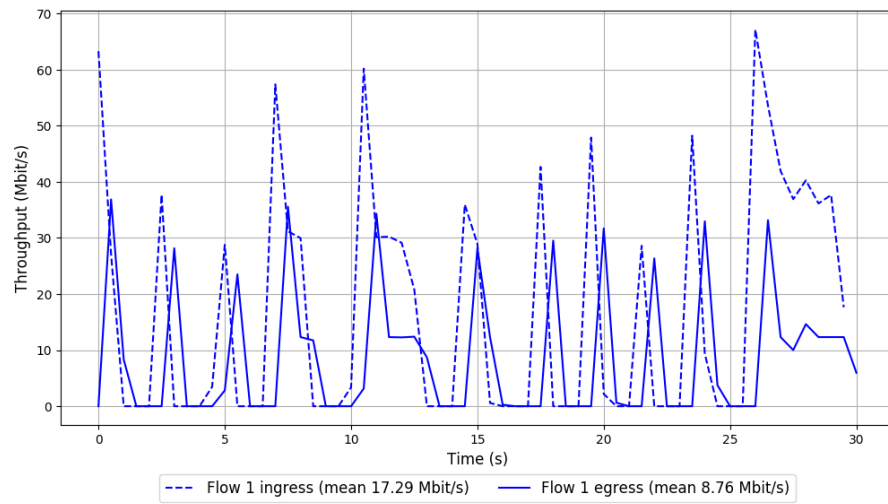


Run 5: Statistics of Copa

Start at: 2019-06-27 21:16:38
End at: 2019-06-27 21:17:08
Local clock offset: -6.297 ms
Remote clock offset: -3.267 ms

Below is generated by plot.py at 2019-06-27 21:52:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 8.76 Mbit/s
95th percentile per-packet one-way delay: 1.402 ms
Loss rate: 49.32%
-- Flow 1:
Average throughput: 8.76 Mbit/s
95th percentile per-packet one-way delay: 1.402 ms
Loss rate: 49.32%

Run 5: Report of Copa — Data Link

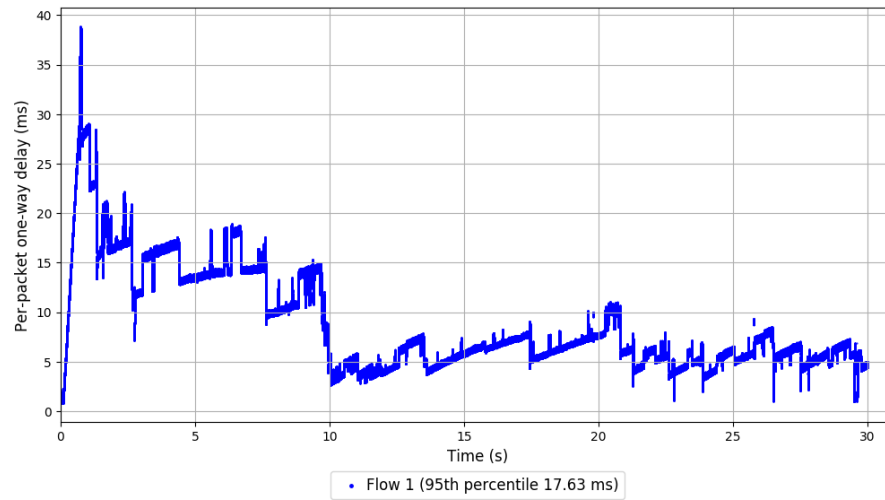
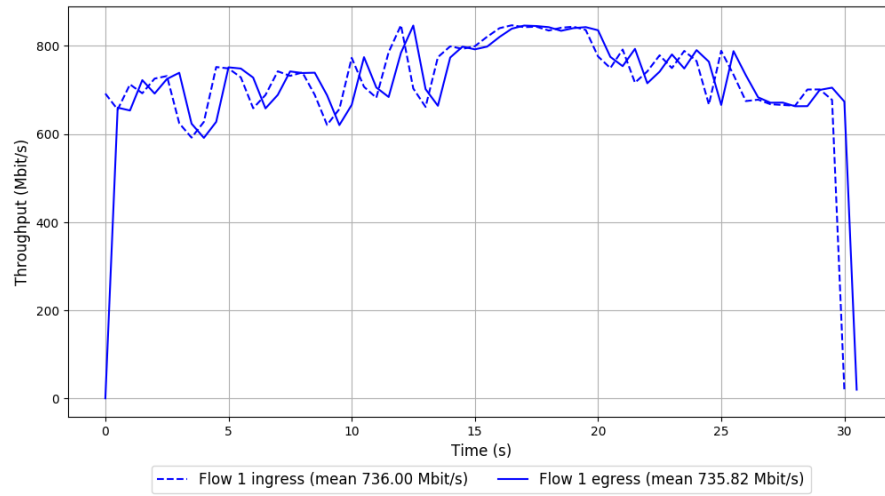


Run 1: Statistics of TCP Cubic

Start at: 2019-06-27 19:15:38
End at: 2019-06-27 19:16:08
Local clock offset: 3.553 ms
Remote clock offset: -0.779 ms

Below is generated by plot.py at 2019-06-27 21:52:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 735.82 Mbit/s
95th percentile per-packet one-way delay: 17.632 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 735.82 Mbit/s
95th percentile per-packet one-way delay: 17.632 ms
Loss rate: 0.02%

Run 1: Report of TCP Cubic — Data Link

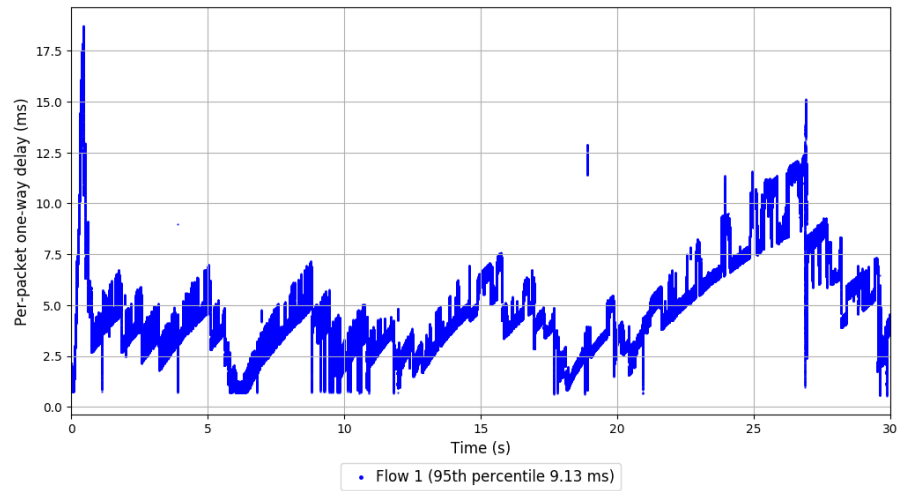
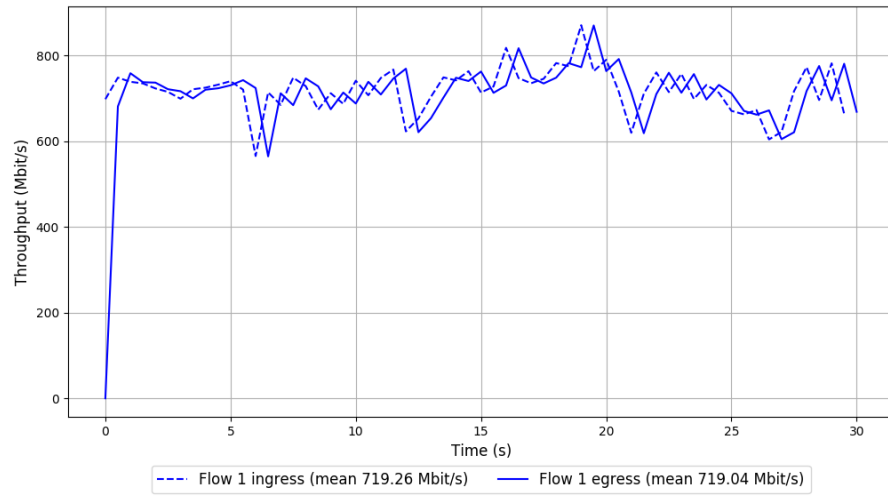


Run 2: Statistics of TCP Cubic

Start at: 2019-06-27 19:46:25
End at: 2019-06-27 19:46:55
Local clock offset: -0.311 ms
Remote clock offset: -3.475 ms

Below is generated by plot.py at 2019-06-27 21:52:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 719.04 Mbit/s
95th percentile per-packet one-way delay: 9.126 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 719.04 Mbit/s
95th percentile per-packet one-way delay: 9.126 ms
Loss rate: 0.03%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2019-06-27 20:16:50

End at: 2019-06-27 20:17:20

Local clock offset: -0.381 ms

Remote clock offset: 0.637 ms

Below is generated by plot.py at 2019-06-27 21:52:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 699.10 Mbit/s

95th percentile per-packet one-way delay: 4.474 ms

Loss rate: 0.01%

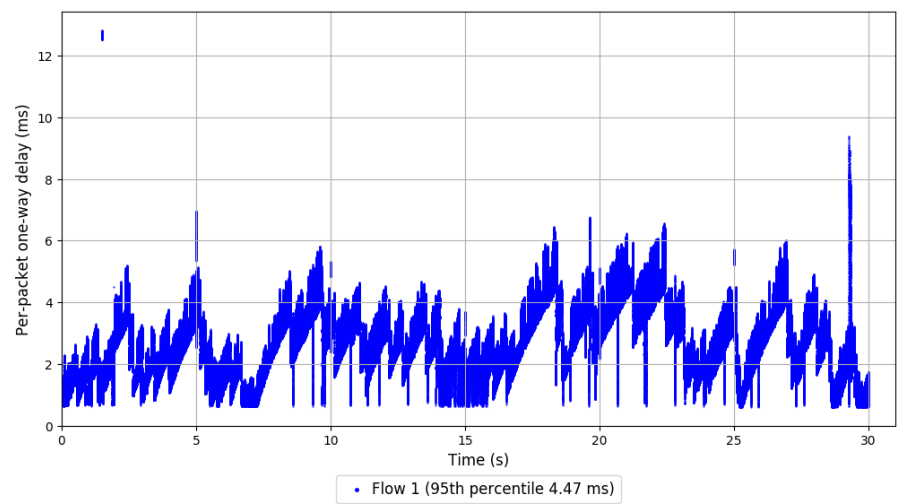
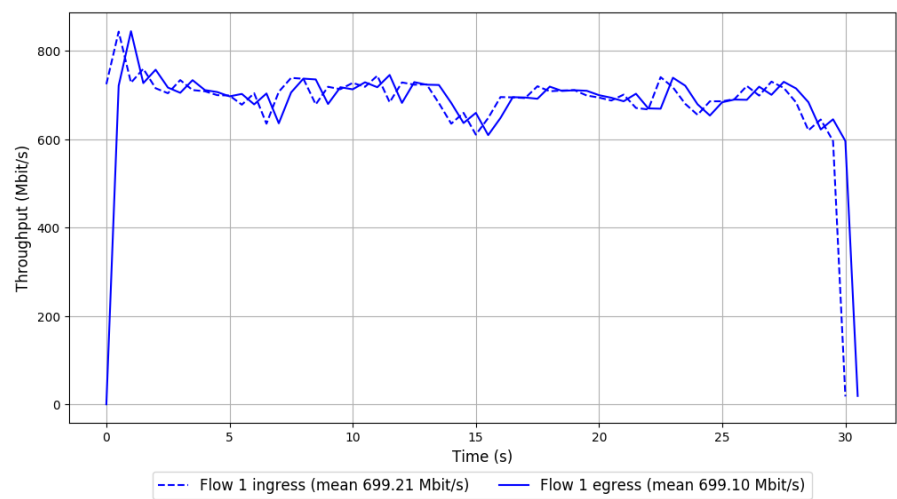
-- Flow 1:

Average throughput: 699.10 Mbit/s

95th percentile per-packet one-way delay: 4.474 ms

Loss rate: 0.01%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2019-06-27 20:47:14

End at: 2019-06-27 20:47:44

Local clock offset: -4.383 ms

Remote clock offset: 0.309 ms

Below is generated by plot.py at 2019-06-27 21:58:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 688.89 Mbit/s

95th percentile per-packet one-way delay: 12.795 ms

Loss rate: 0.02%

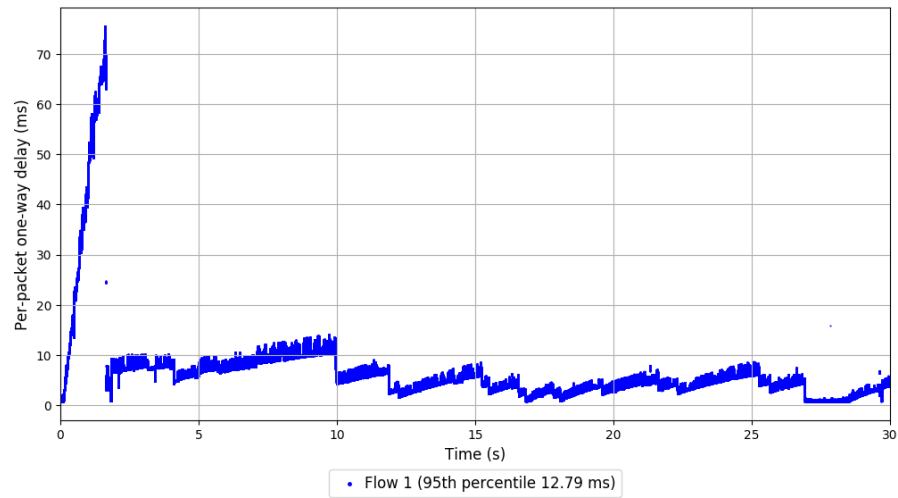
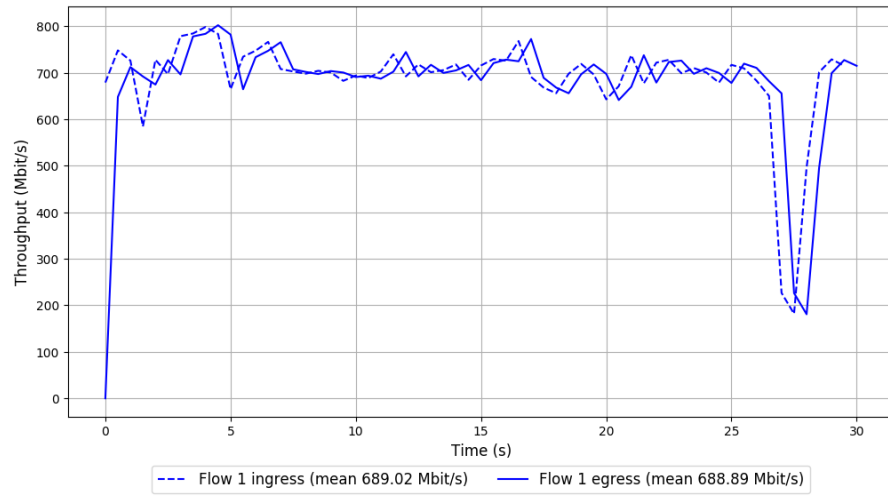
-- Flow 1:

Average throughput: 688.89 Mbit/s

95th percentile per-packet one-way delay: 12.795 ms

Loss rate: 0.02%

Run 4: Report of TCP Cubic — Data Link

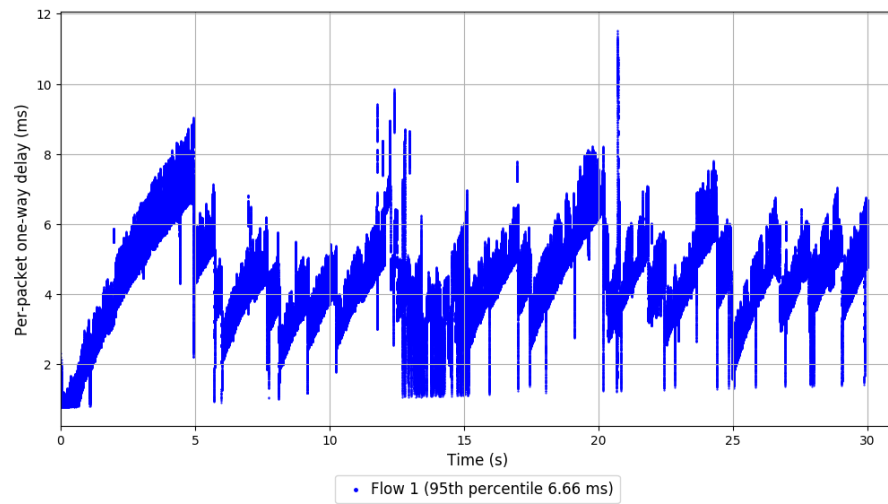
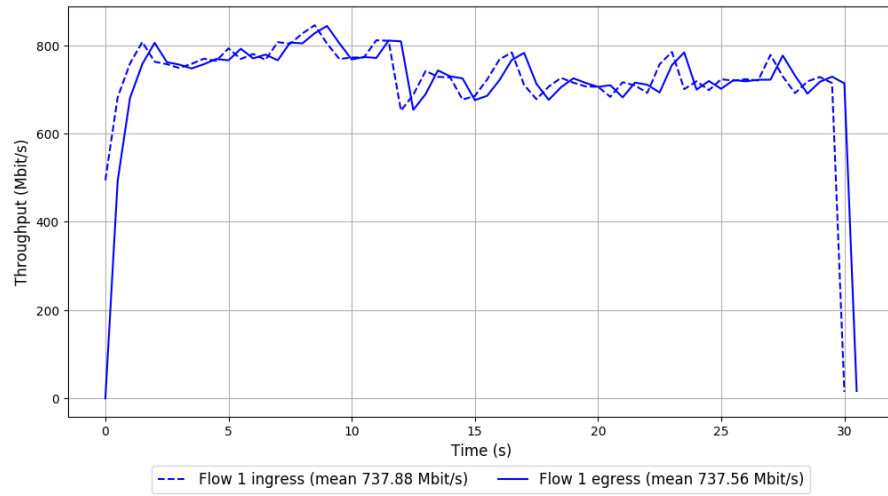


Run 5: Statistics of TCP Cubic

Start at: 2019-06-27 21:17:52
End at: 2019-06-27 21:18:22
Local clock offset: -6.342 ms
Remote clock offset: -3.357 ms

Below is generated by plot.py at 2019-06-27 21:59:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 737.56 Mbit/s
95th percentile per-packet one-way delay: 6.656 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 737.56 Mbit/s
95th percentile per-packet one-way delay: 6.656 ms
Loss rate: 0.04%

Run 5: Report of TCP Cubic — Data Link

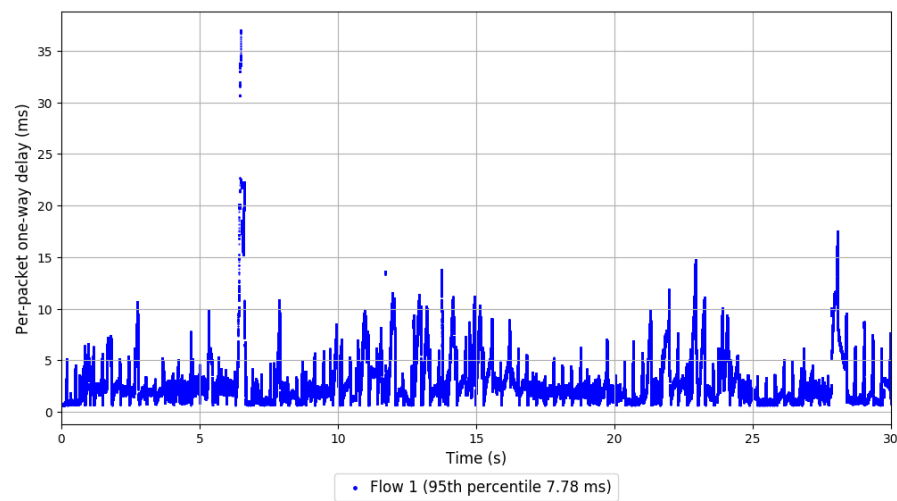
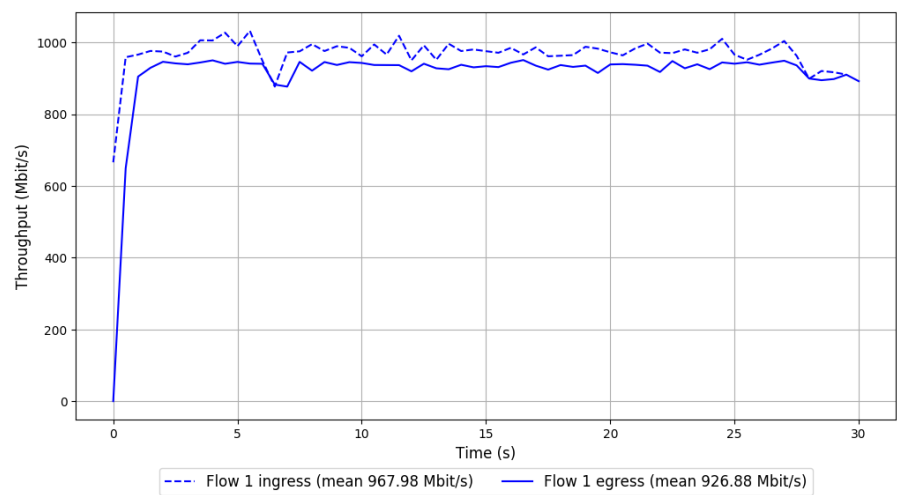


Run 1: Statistics of FillP

Start at: 2019-06-27 19:33:06
End at: 2019-06-27 19:33:36
Local clock offset: 0.471 ms
Remote clock offset: -2.954 ms

Below is generated by plot.py at 2019-06-27 22:05:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 926.88 Mbit/s
95th percentile per-packet one-way delay: 7.777 ms
Loss rate: 4.24%
-- Flow 1:
Average throughput: 926.88 Mbit/s
95th percentile per-packet one-way delay: 7.777 ms
Loss rate: 4.24%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2019-06-27 20:03:53

End at: 2019-06-27 20:04:23

Local clock offset: -0.253 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2019-06-27 22:05:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 922.63 Mbit/s

95th percentile per-packet one-way delay: 10.678 ms

Loss rate: 5.85%

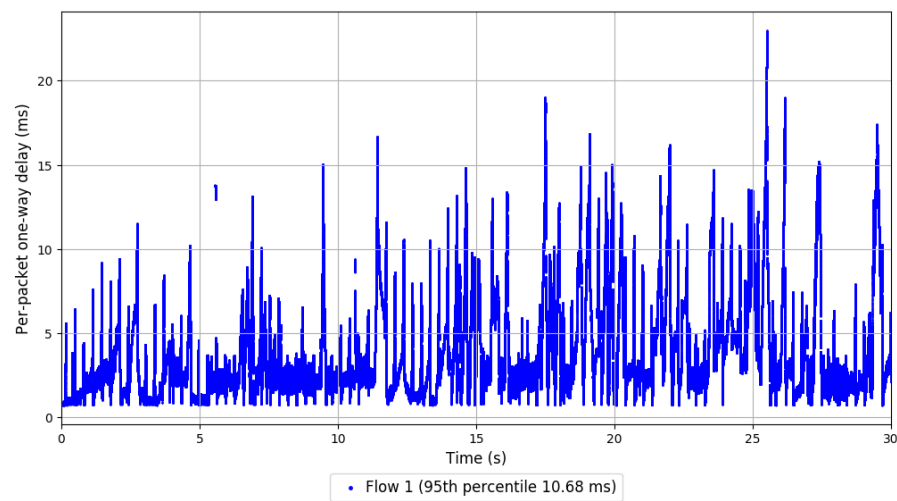
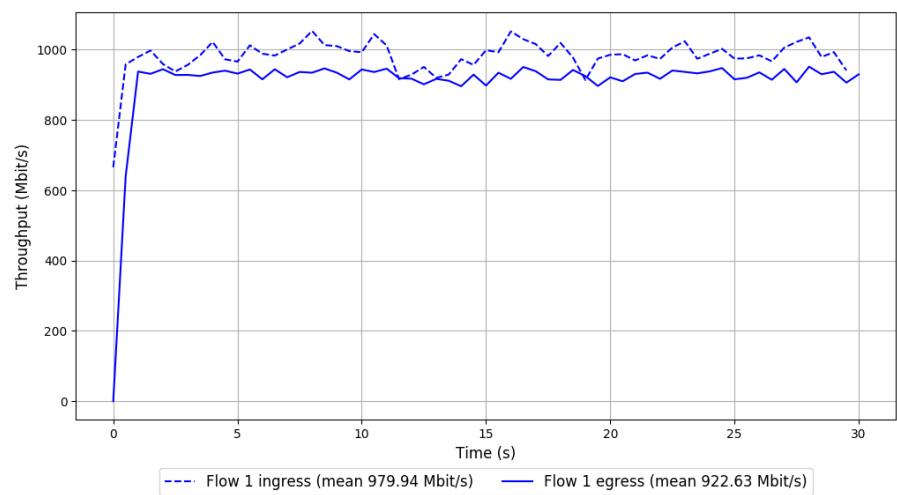
-- Flow 1:

Average throughput: 922.63 Mbit/s

95th percentile per-packet one-way delay: 10.678 ms

Loss rate: 5.85%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2019-06-27 20:34:16

End at: 2019-06-27 20:34:46

Local clock offset: -3.297 ms

Remote clock offset: 0.295 ms

Below is generated by plot.py at 2019-06-27 22:05:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 892.71 Mbit/s

95th percentile per-packet one-way delay: 10.986 ms

Loss rate: 2.94%

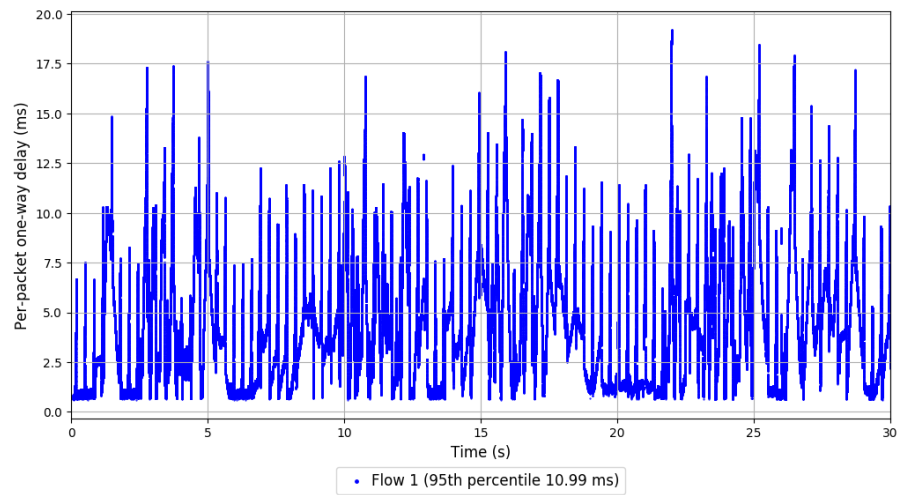
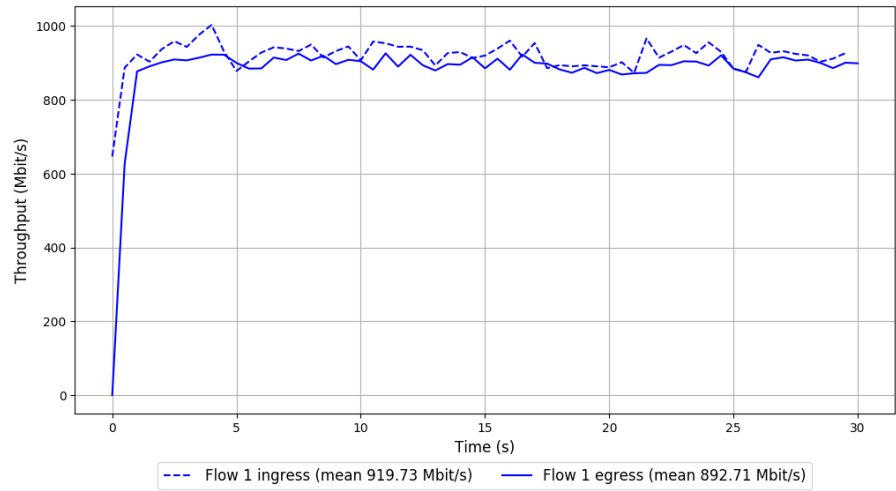
-- Flow 1:

Average throughput: 892.71 Mbit/s

95th percentile per-packet one-way delay: 10.986 ms

Loss rate: 2.94%

Run 3: Report of FillP — Data Link

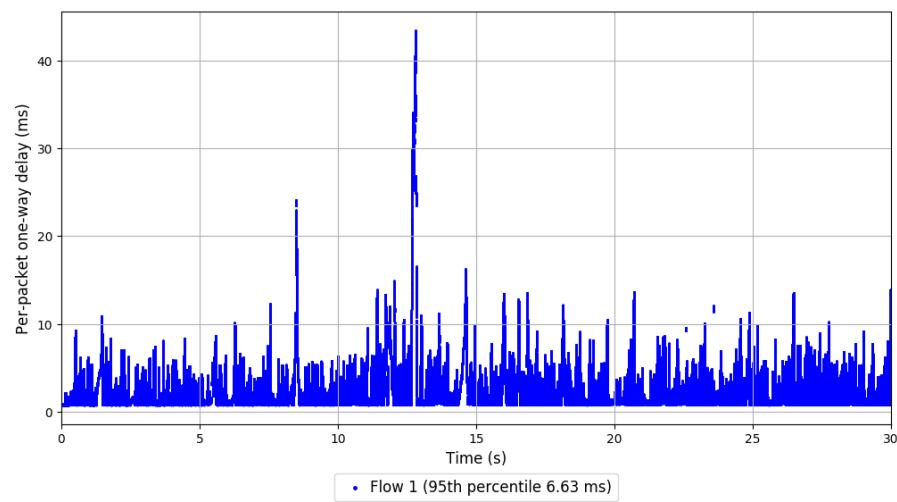
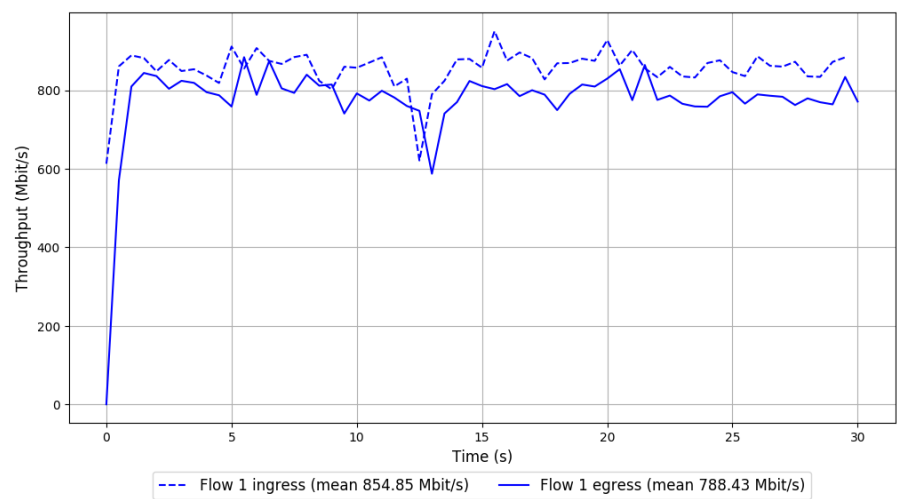


Run 4: Statistics of FillP

Start at: 2019-06-27 21:04:52
End at: 2019-06-27 21:05:22
Local clock offset: -5.569 ms
Remote clock offset: -2.155 ms

Below is generated by plot.py at 2019-06-27 22:05:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 788.43 Mbit/s
95th percentile per-packet one-way delay: 6.630 ms
Loss rate: 7.77%
-- Flow 1:
Average throughput: 788.43 Mbit/s
95th percentile per-packet one-way delay: 6.630 ms
Loss rate: 7.77%

Run 4: Report of FillP — Data Link

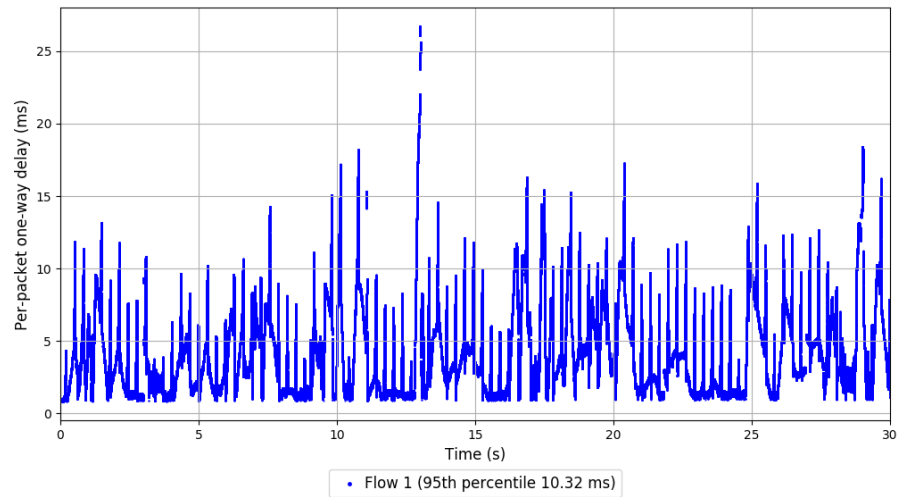
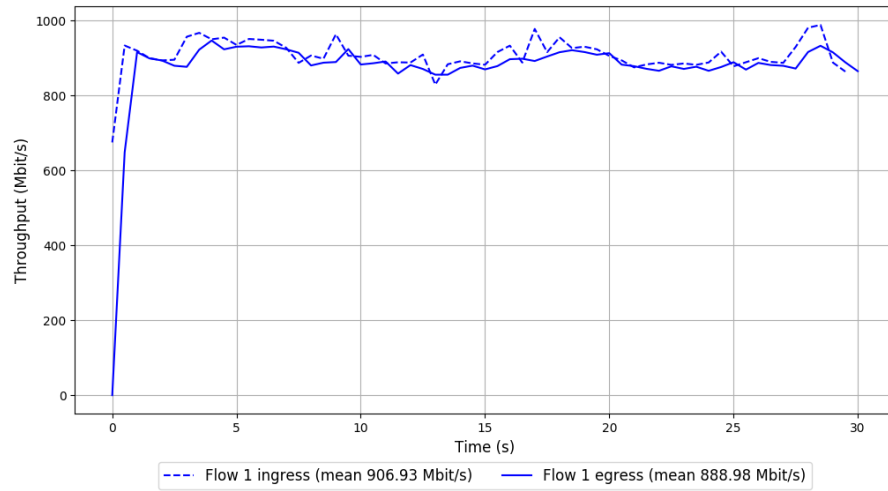


Run 5: Statistics of FillP

Start at: 2019-06-27 21:35:21
End at: 2019-06-27 21:35:51
Local clock offset: 3.81 ms
Remote clock offset: -3.438 ms

Below is generated by plot.py at 2019-06-27 22:05:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 888.98 Mbit/s
95th percentile per-packet one-way delay: 10.320 ms
Loss rate: 1.98%
-- Flow 1:
Average throughput: 888.98 Mbit/s
95th percentile per-packet one-way delay: 10.320 ms
Loss rate: 1.98%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-06-27 19:25:08

End at: 2019-06-27 19:25:38

Local clock offset: 1.602 ms

Remote clock offset: -2.337 ms

Below is generated by plot.py at 2019-06-27 22:05:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 898.84 Mbit/s

95th percentile per-packet one-way delay: 7.021 ms

Loss rate: 2.97%

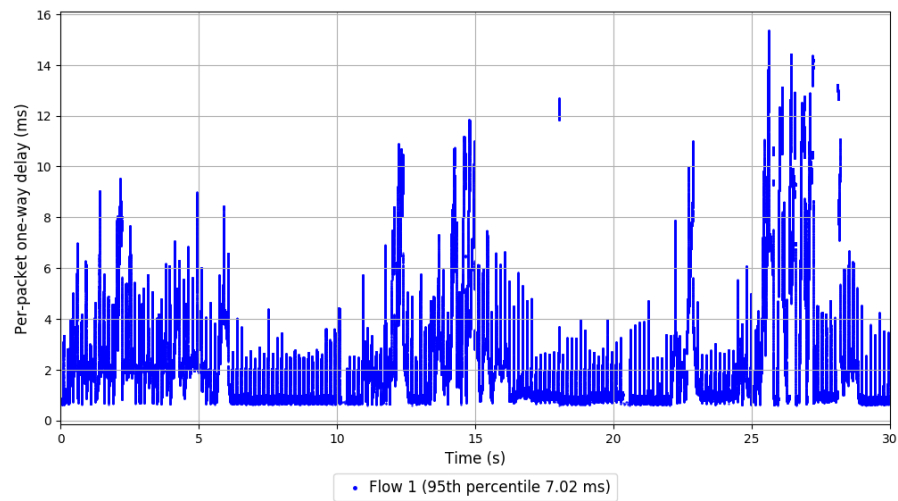
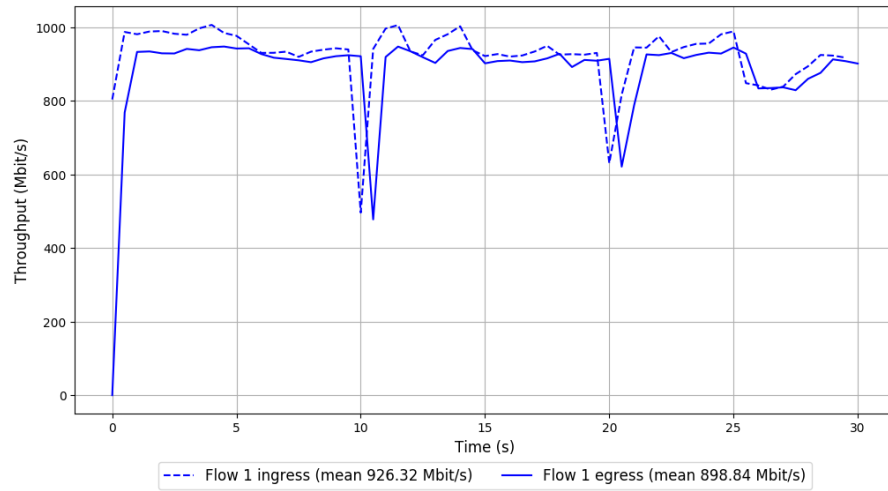
-- Flow 1:

Average throughput: 898.84 Mbit/s

95th percentile per-packet one-way delay: 7.021 ms

Loss rate: 2.97%

Run 1: Report of FillP-Sheep — Data Link

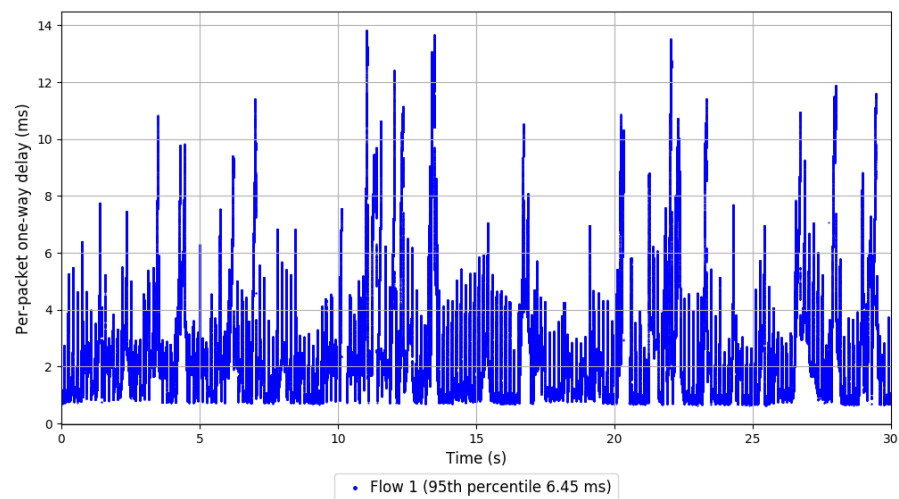
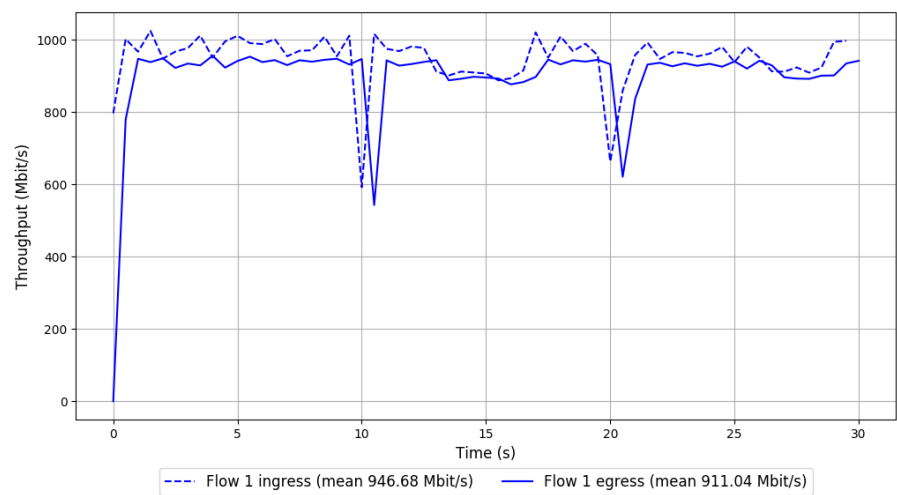


Run 2: Statistics of FillP-Sheep

Start at: 2019-06-27 19:55:51
End at: 2019-06-27 19:56:21
Local clock offset: -0.2 ms
Remote clock offset: -0.903 ms

Below is generated by plot.py at 2019-06-27 22:13:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 911.04 Mbit/s
95th percentile per-packet one-way delay: 6.453 ms
Loss rate: 3.76%
-- Flow 1:
Average throughput: 911.04 Mbit/s
95th percentile per-packet one-way delay: 6.453 ms
Loss rate: 3.76%

Run 2: Report of FillP-Sheep — Data Link

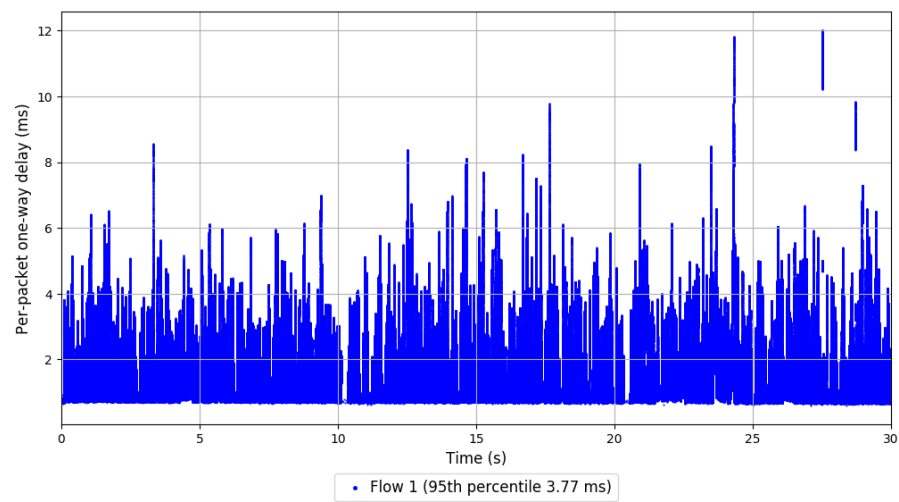
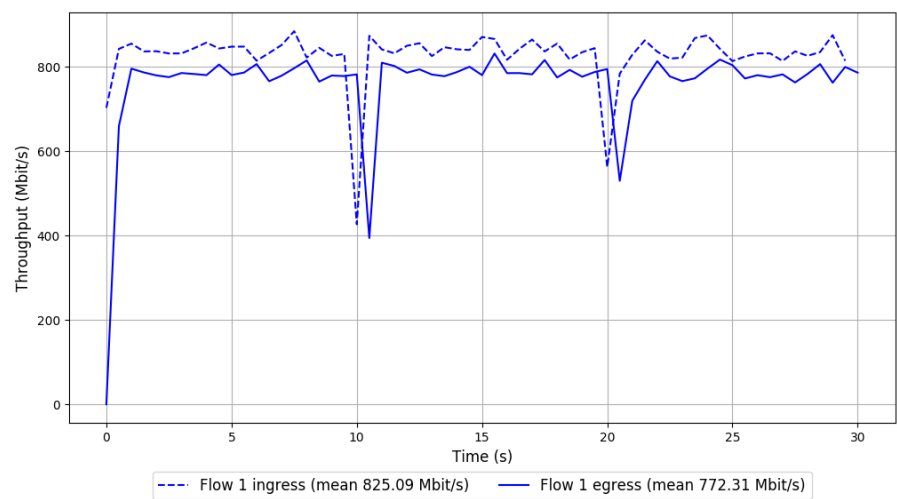


Run 3: Statistics of FillP-Sheep

Start at: 2019-06-27 20:26:13
End at: 2019-06-27 20:26:43
Local clock offset: -2.308 ms
Remote clock offset: 0.522 ms

Below is generated by plot.py at 2019-06-27 22:13:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 772.31 Mbit/s
95th percentile per-packet one-way delay: 3.770 ms
Loss rate: 6.39%
-- Flow 1:
Average throughput: 772.31 Mbit/s
95th percentile per-packet one-way delay: 3.770 ms
Loss rate: 6.39%

Run 3: Report of FillP-Sheep — Data Link

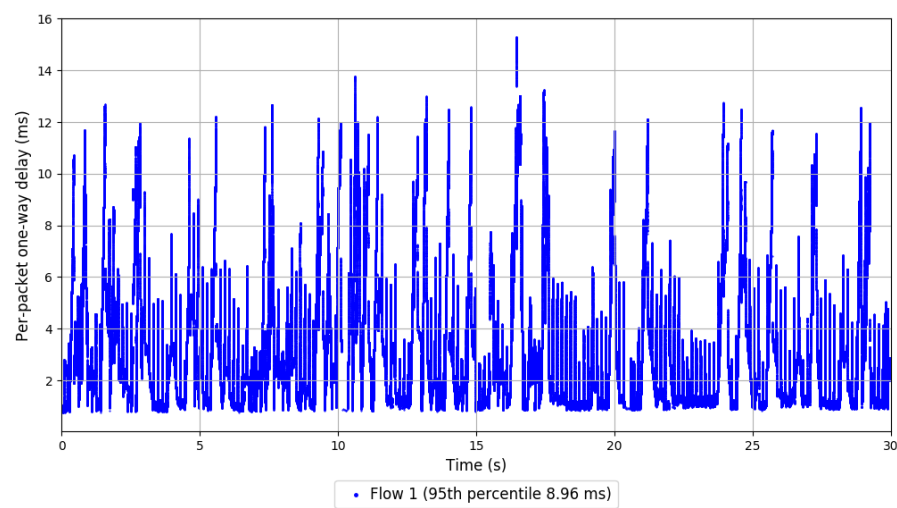
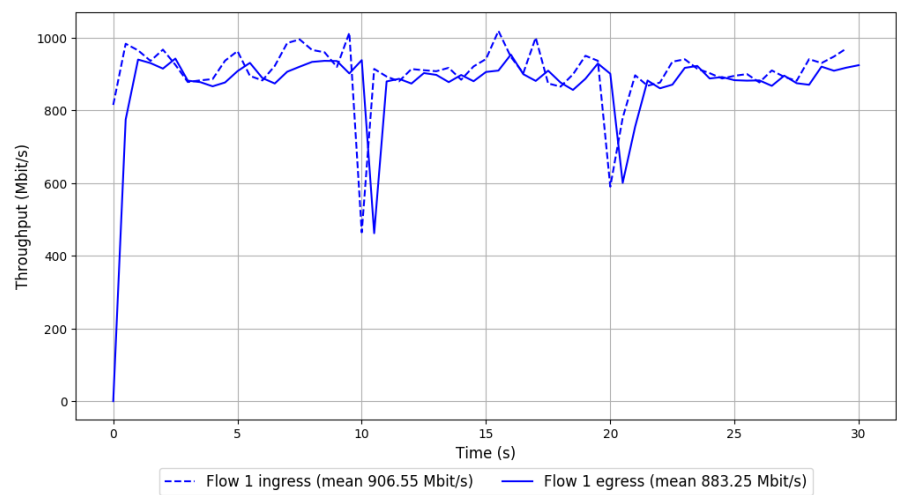


Run 4: Statistics of FillP-Sheep

Start at: 2019-06-27 20:56:49
End at: 2019-06-27 20:57:19
Local clock offset: -5.077 ms
Remote clock offset: -0.383 ms

Below is generated by plot.py at 2019-06-27 22:16:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 883.25 Mbit/s
95th percentile per-packet one-way delay: 8.964 ms
Loss rate: 2.57%
-- Flow 1:
Average throughput: 883.25 Mbit/s
95th percentile per-packet one-way delay: 8.964 ms
Loss rate: 2.57%

Run 4: Report of FillP-Sheep — Data Link

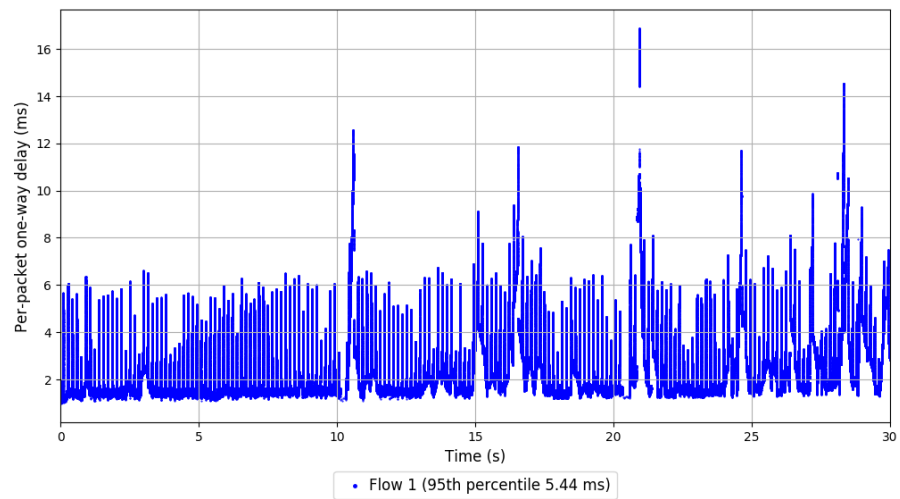
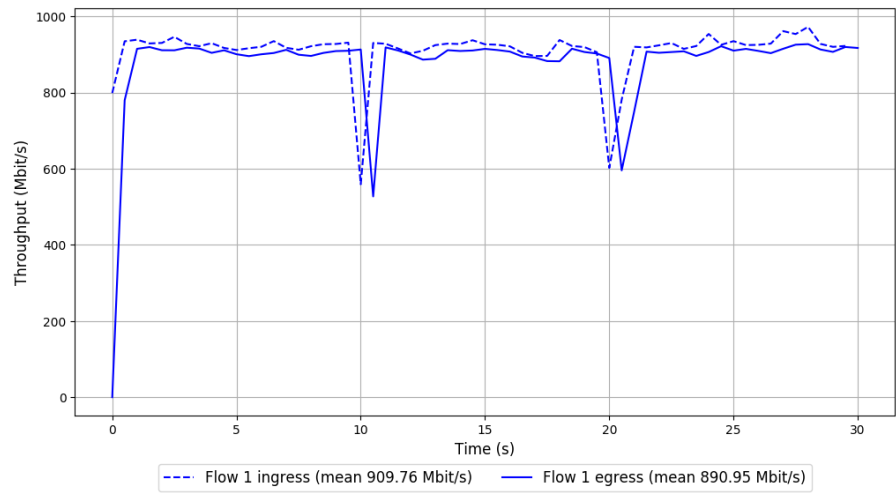


Run 5: Statistics of FillP-Sheep

Start at: 2019-06-27 21:27:19
End at: 2019-06-27 21:27:49
Local clock offset: 0.81 ms
Remote clock offset: -3.873 ms

Below is generated by plot.py at 2019-06-27 22:17:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 890.95 Mbit/s
95th percentile per-packet one-way delay: 5.436 ms
Loss rate: 2.07%
-- Flow 1:
Average throughput: 890.95 Mbit/s
95th percentile per-packet one-way delay: 5.436 ms
Loss rate: 2.07%

Run 5: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2019-06-27 19:18:33

End at: 2019-06-27 19:19:03

Local clock offset: 3.596 ms

Remote clock offset: -1.359 ms

Below is generated by plot.py at 2019-06-27 22:17:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 322.13 Mbit/s

95th percentile per-packet one-way delay: 0.830 ms

Loss rate: 0.00%

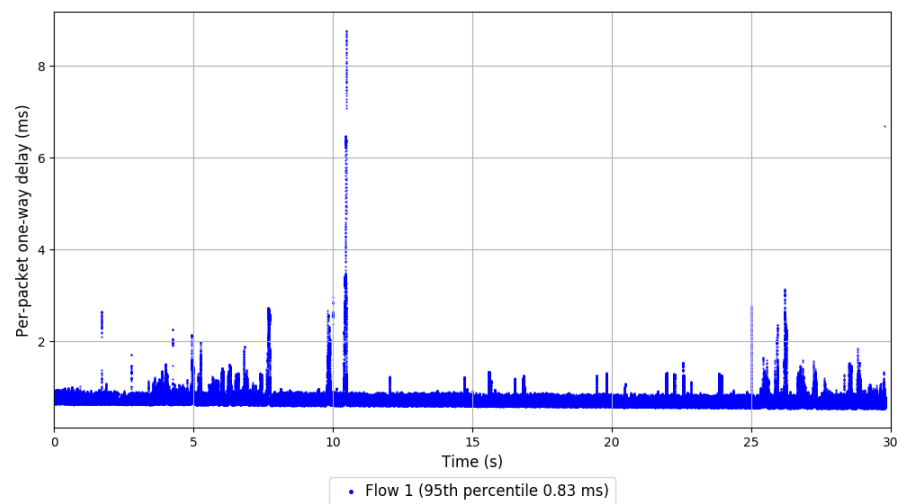
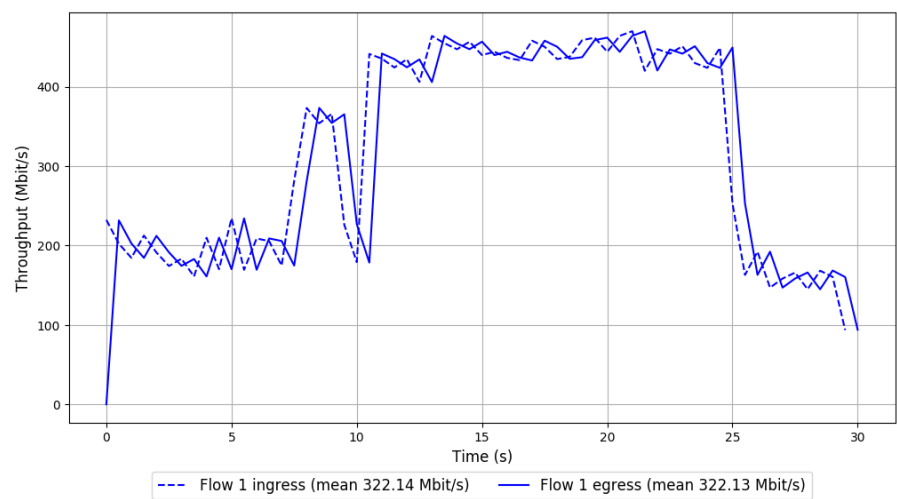
-- Flow 1:

Average throughput: 322.13 Mbit/s

95th percentile per-packet one-way delay: 0.830 ms

Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

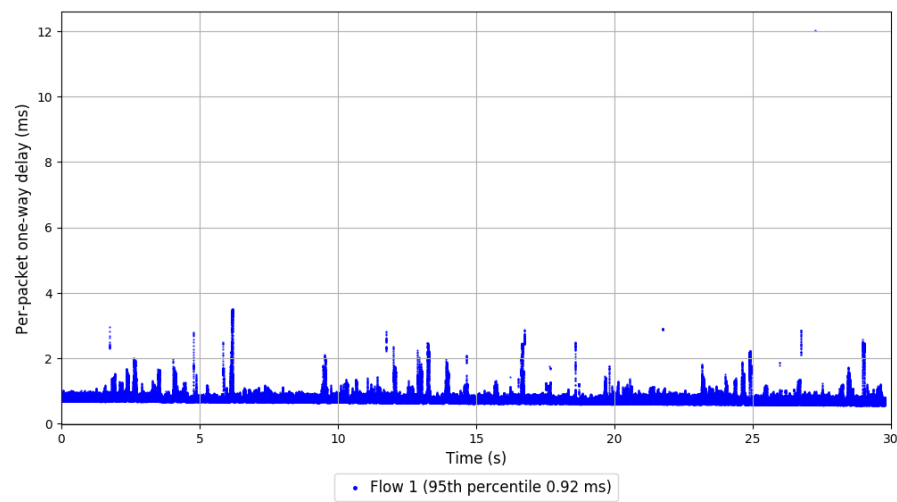
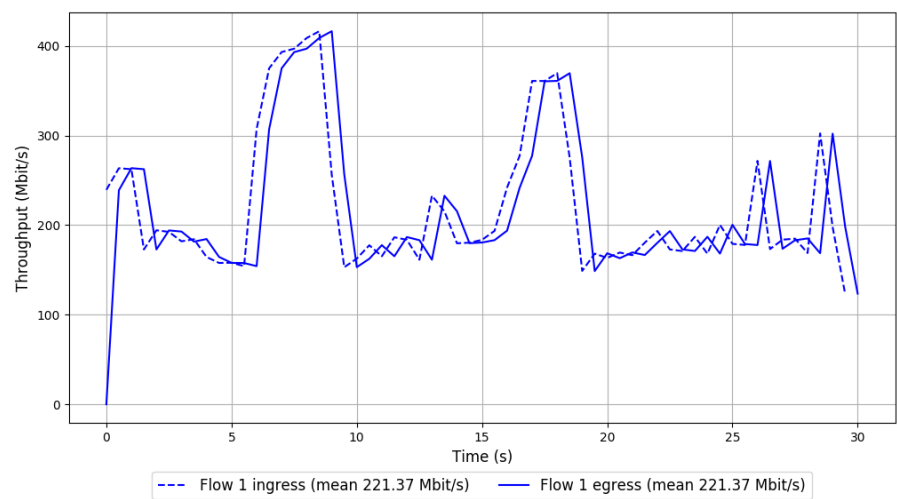


Run 2: Statistics of Indigo

Start at: 2019-06-27 19:49:17
End at: 2019-06-27 19:49:47
Local clock offset: -0.336 ms
Remote clock offset: -2.484 ms

Below is generated by plot.py at 2019-06-27 22:17:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.37 Mbit/s
95th percentile per-packet one-way delay: 0.915 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 221.37 Mbit/s
95th percentile per-packet one-way delay: 0.915 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2019-06-27 20:19:42

End at: 2019-06-27 20:20:12

Local clock offset: -0.854 ms

Remote clock offset: 0.785 ms

Below is generated by plot.py at 2019-06-27 22:17:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 239.75 Mbit/s

95th percentile per-packet one-way delay: 0.910 ms

Loss rate: 0.01%

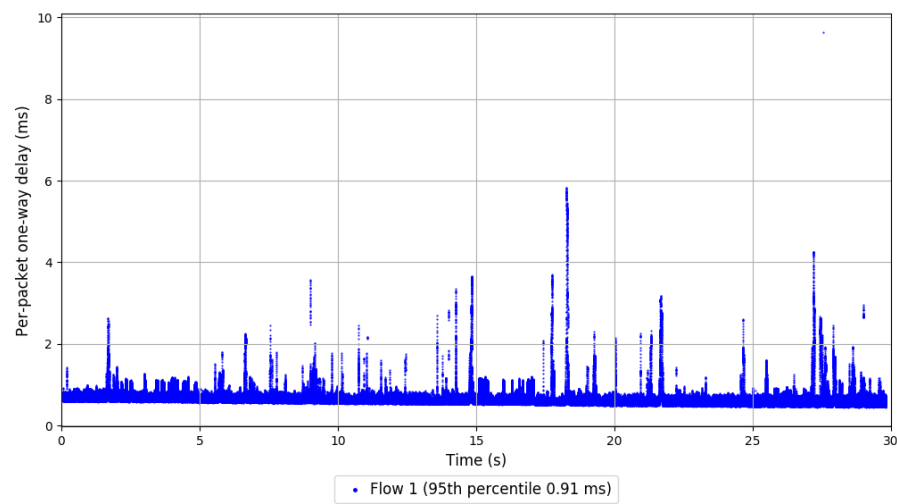
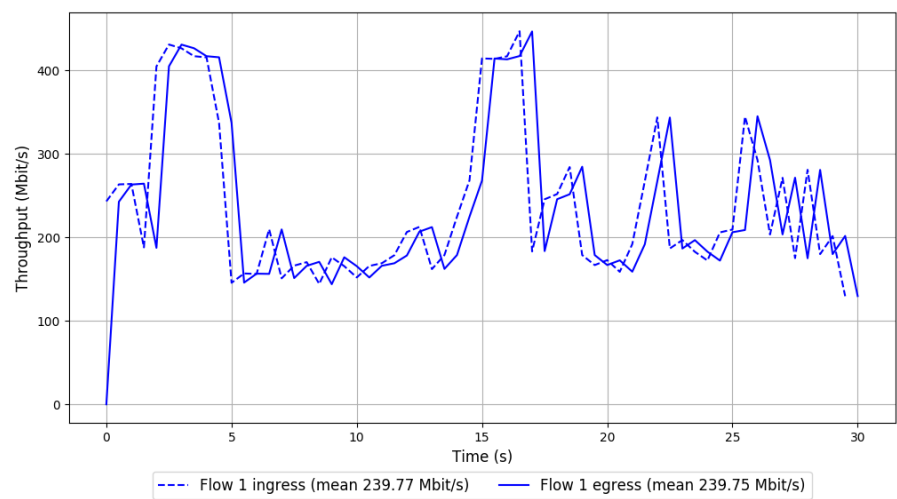
-- Flow 1:

Average throughput: 239.75 Mbit/s

95th percentile per-packet one-way delay: 0.910 ms

Loss rate: 0.01%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-06-27 20:50:12

End at: 2019-06-27 20:50:42

Local clock offset: -4.625 ms

Remote clock offset: 0.305 ms

Below is generated by plot.py at 2019-06-27 22:17:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 212.85 Mbit/s

95th percentile per-packet one-way delay: 0.964 ms

Loss rate: 0.00%

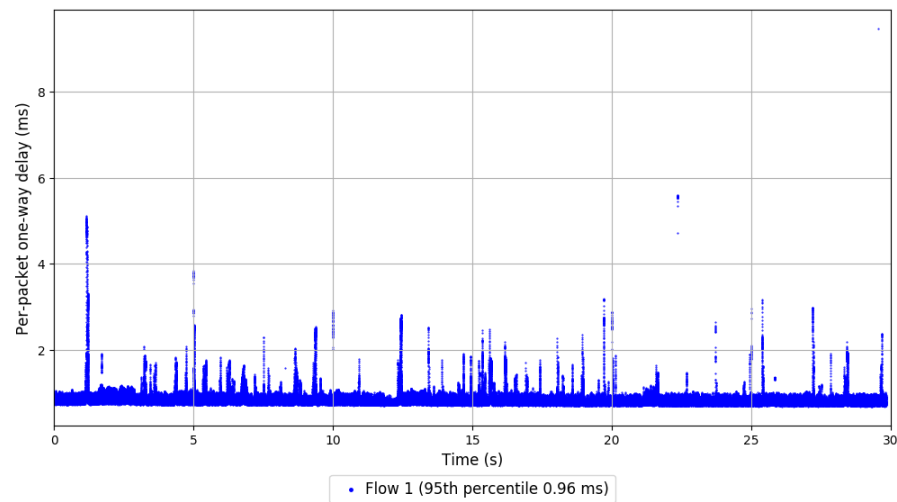
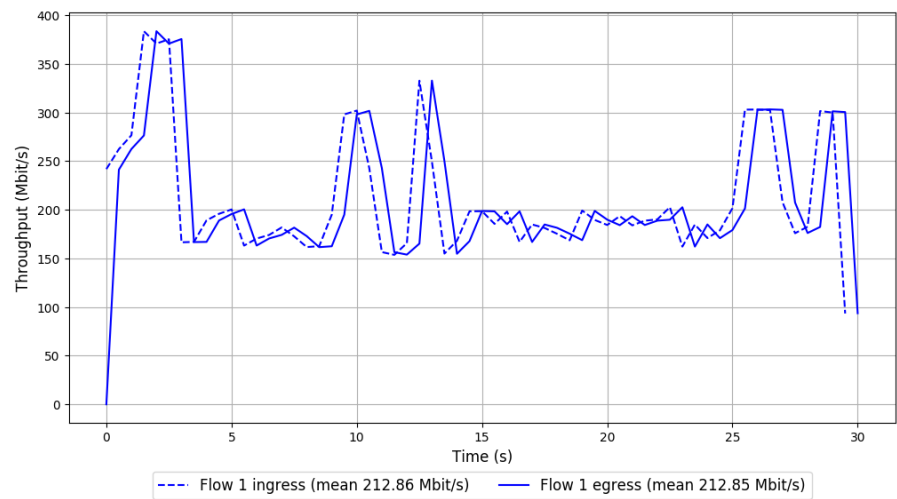
-- Flow 1:

Average throughput: 212.85 Mbit/s

95th percentile per-packet one-way delay: 0.964 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-06-27 21:20:44

End at: 2019-06-27 21:21:14

Local clock offset: -3.853 ms

Remote clock offset: -3.488 ms

Below is generated by plot.py at 2019-06-27 22:17:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.51 Mbit/s

95th percentile per-packet one-way delay: 2.089 ms

Loss rate: 0.01%

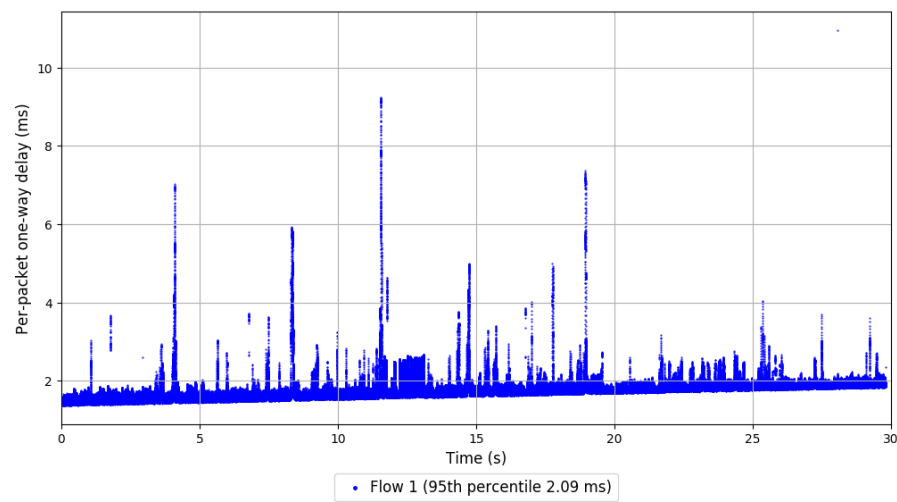
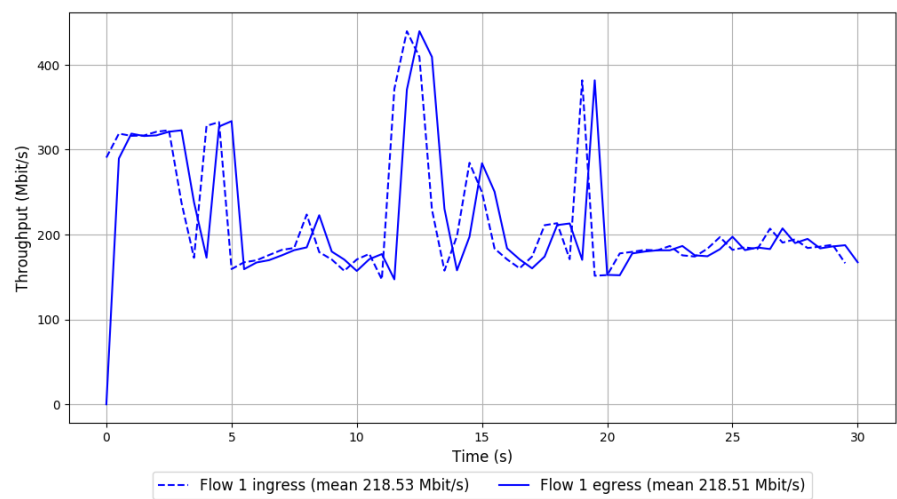
-- Flow 1:

Average throughput: 218.51 Mbit/s

95th percentile per-packet one-way delay: 2.089 ms

Loss rate: 0.01%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

Start at: 2019-06-27 19:10:25

End at: 2019-06-27 19:10:55

Local clock offset: 3.277 ms

Remote clock offset: 0.172 ms

Below is generated by plot.py at 2019-06-27 22:17:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 179.33 Mbit/s

95th percentile per-packet one-way delay: 2.227 ms

Loss rate: 0.00%

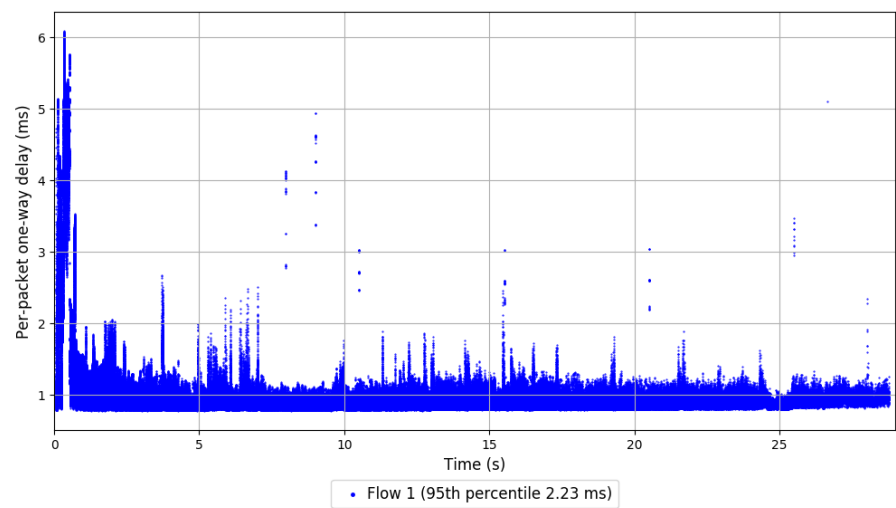
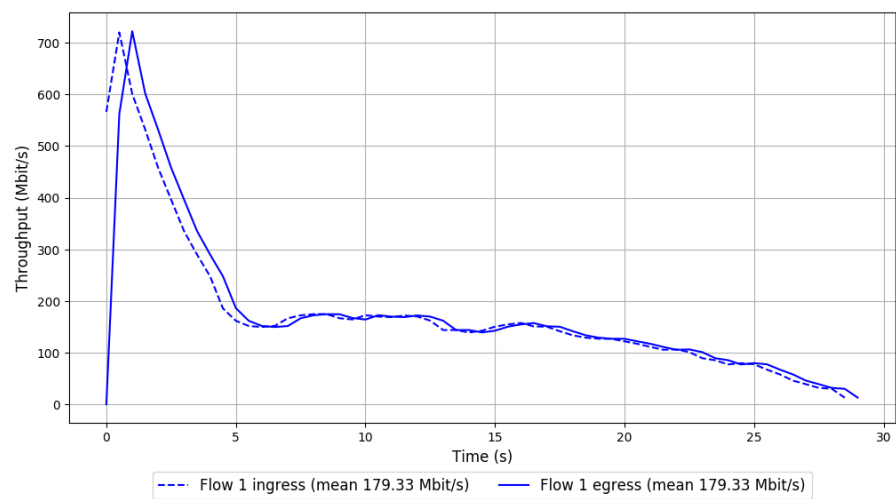
-- Flow 1:

Average throughput: 179.33 Mbit/s

95th percentile per-packet one-way delay: 2.227 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesC3 — Data Link

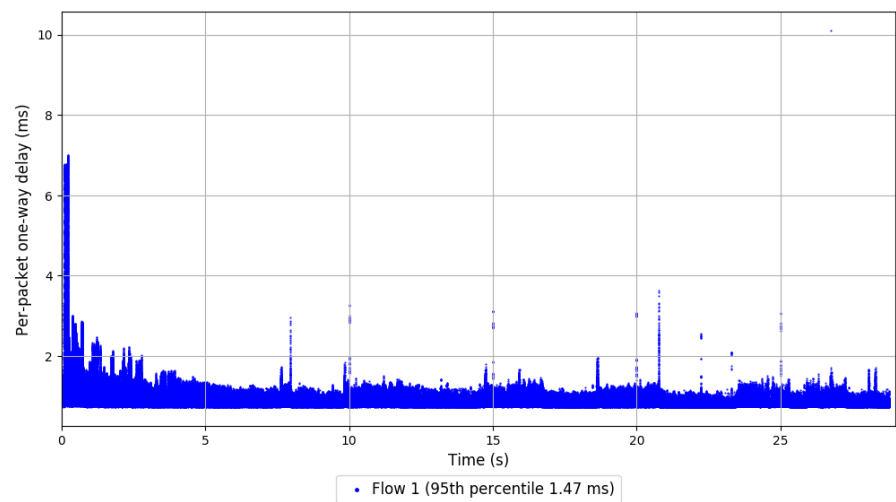
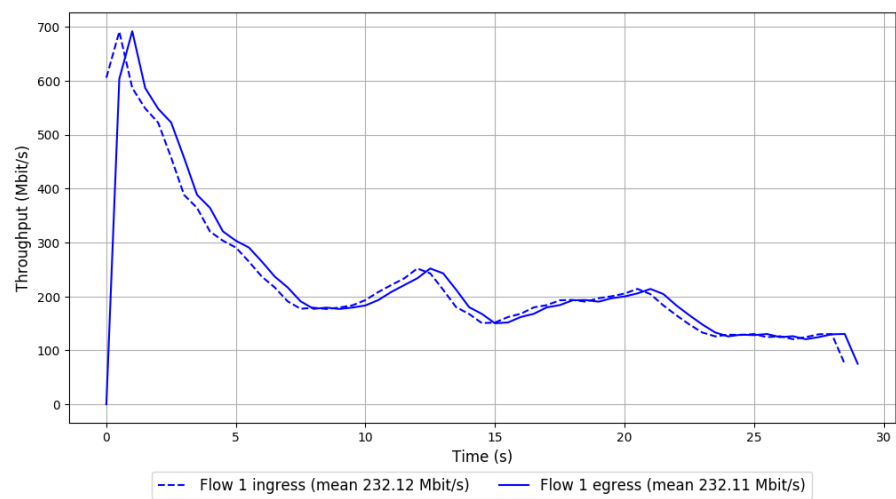


Run 2: Statistics of Indigo-MusesC3

Start at: 2019-06-27 19:40:41
End at: 2019-06-27 19:41:11
Local clock offset: -0.054 ms
Remote clock offset: -3.267 ms

Below is generated by plot.py at 2019-06-27 22:17:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 232.11 Mbit/s
95th percentile per-packet one-way delay: 1.470 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 232.11 Mbit/s
95th percentile per-packet one-way delay: 1.470 ms
Loss rate: 0.01%

Run 2: Report of Indigo-MusesC3 — Data Link



Run 3: Statistics of Indigo-MusesC3

Start at: 2019-06-27 20:11:29

End at: 2019-06-27 20:11:59

Local clock offset: -0.246 ms

Remote clock offset: 0.428 ms

Below is generated by plot.py at 2019-06-27 22:17:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 477.91 Mbit/s

95th percentile per-packet one-way delay: 2.447 ms

Loss rate: 0.00%

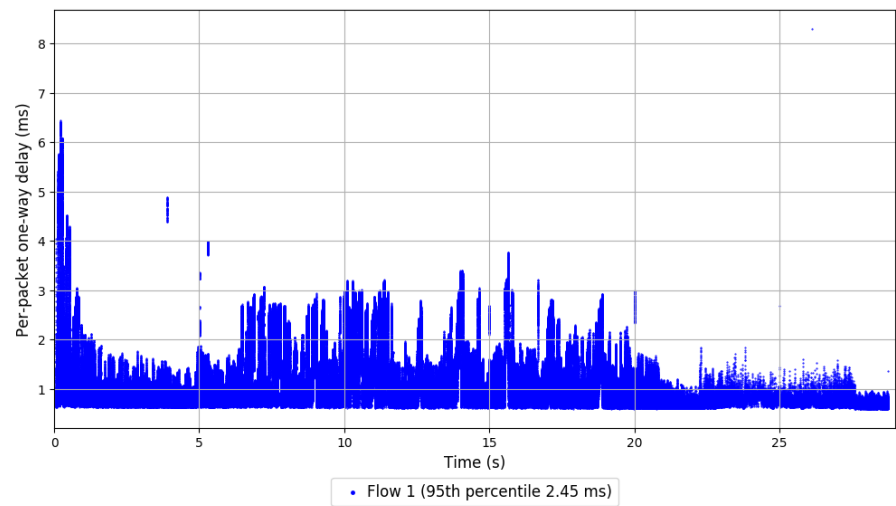
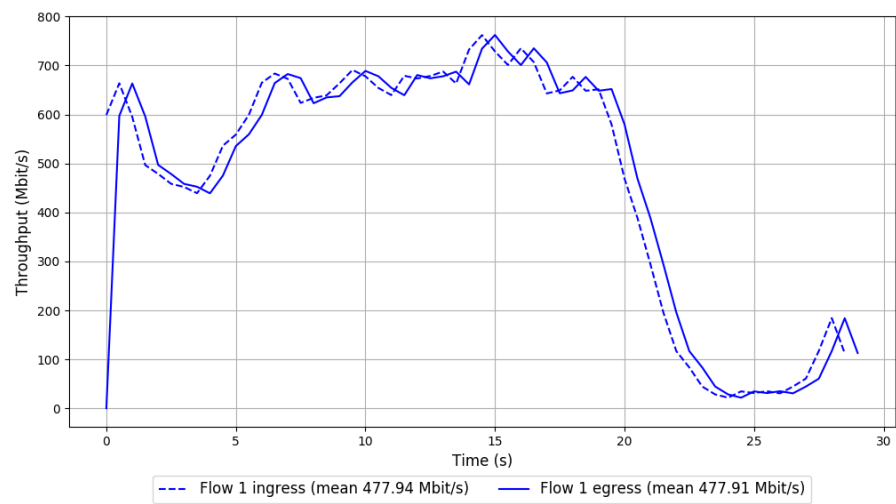
-- Flow 1:

Average throughput: 477.91 Mbit/s

95th percentile per-packet one-way delay: 2.447 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2019-06-27 20:41:51

End at: 2019-06-27 20:42:21

Local clock offset: -3.992 ms

Remote clock offset: 0.276 ms

Below is generated by plot.py at 2019-06-27 22:17:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 460.08 Mbit/s

95th percentile per-packet one-way delay: 2.262 ms

Loss rate: 0.02%

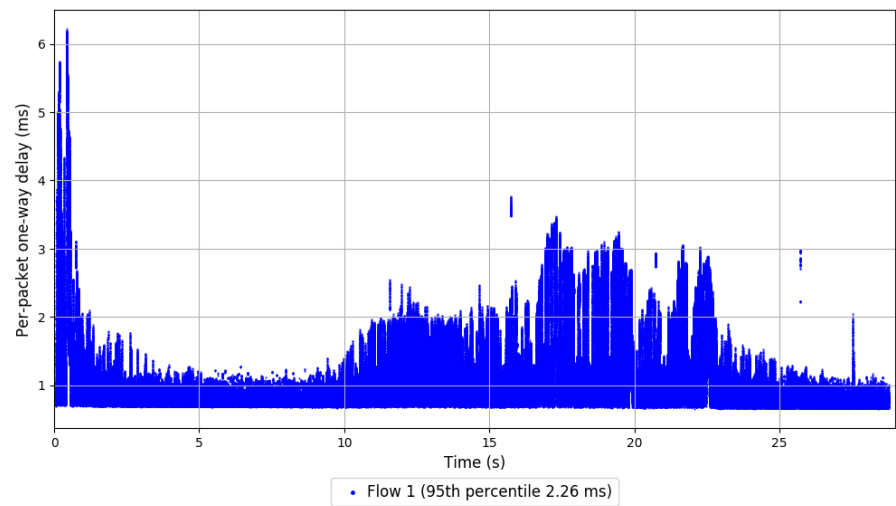
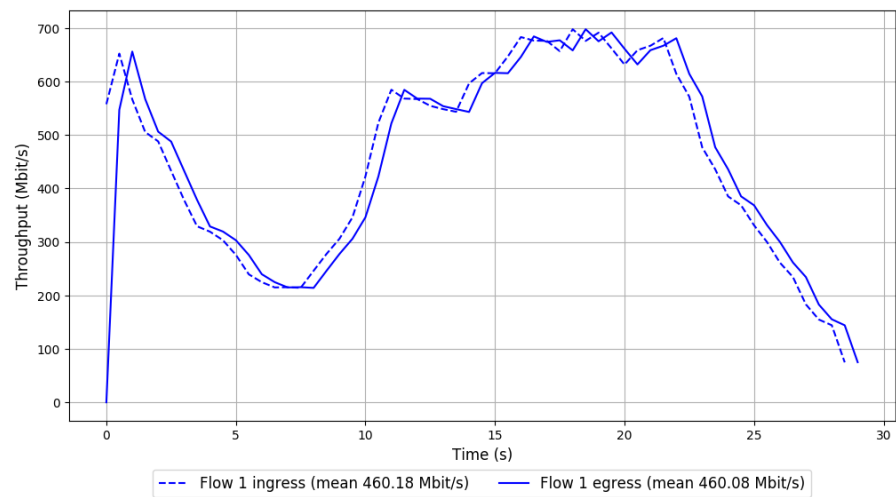
-- Flow 1:

Average throughput: 460.08 Mbit/s

95th percentile per-packet one-way delay: 2.262 ms

Loss rate: 0.02%

Run 4: Report of Indigo-MusesC3 — Data Link

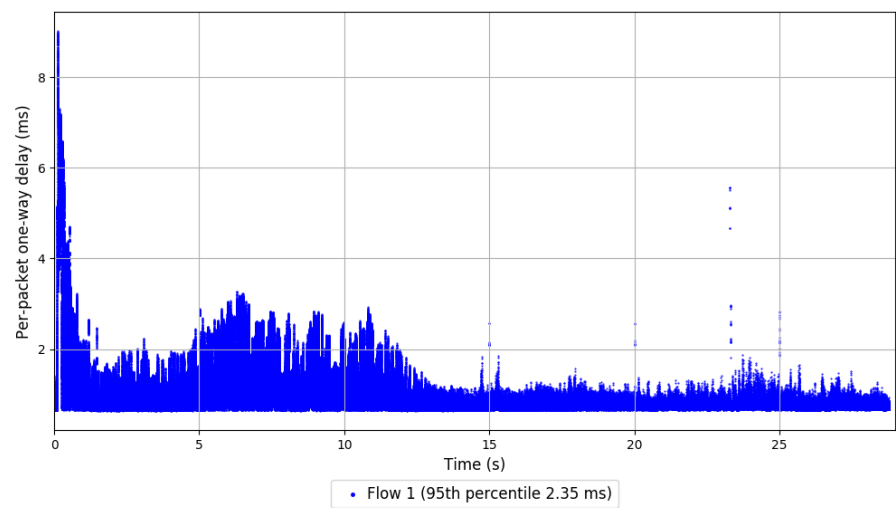
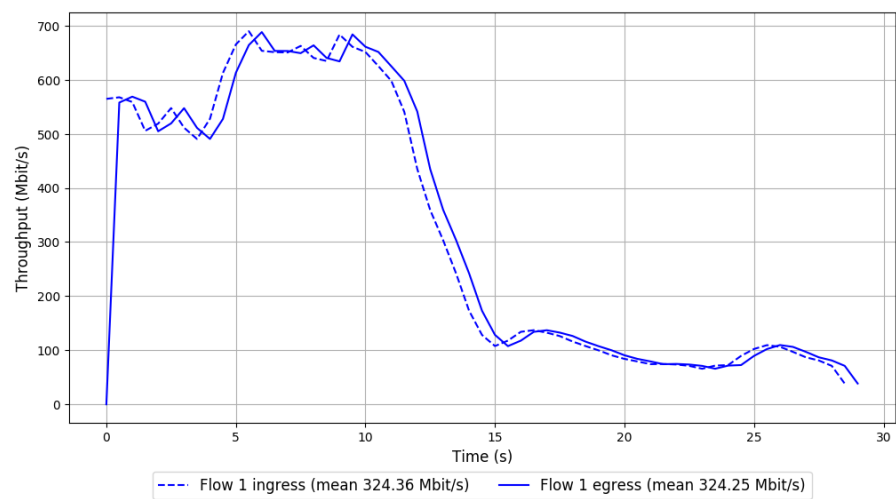


Run 5: Statistics of Indigo-MusesC3

Start at: 2019-06-27 21:12:33
End at: 2019-06-27 21:13:03
Local clock offset: -6.014 ms
Remote clock offset: -3.032 ms

Below is generated by plot.py at 2019-06-27 22:17:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 324.25 Mbit/s
95th percentile per-packet one-way delay: 2.355 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 324.25 Mbit/s
95th percentile per-packet one-way delay: 2.355 ms
Loss rate: 0.03%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2019-06-27 19:17:15

End at: 2019-06-27 19:17:45

Local clock offset: 3.625 ms

Remote clock offset: -1.176 ms

Below is generated by plot.py at 2019-06-27 22:17:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 124.26 Mbit/s

95th percentile per-packet one-way delay: 1.509 ms

Loss rate: 0.00%

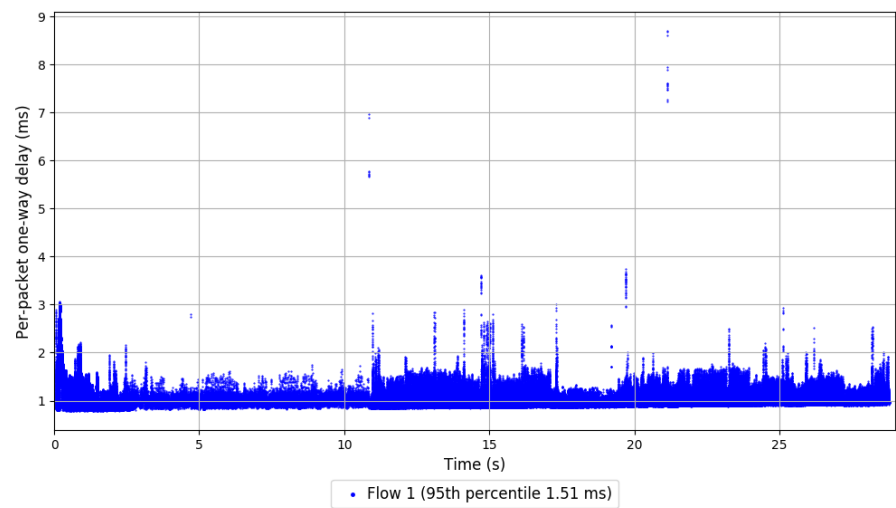
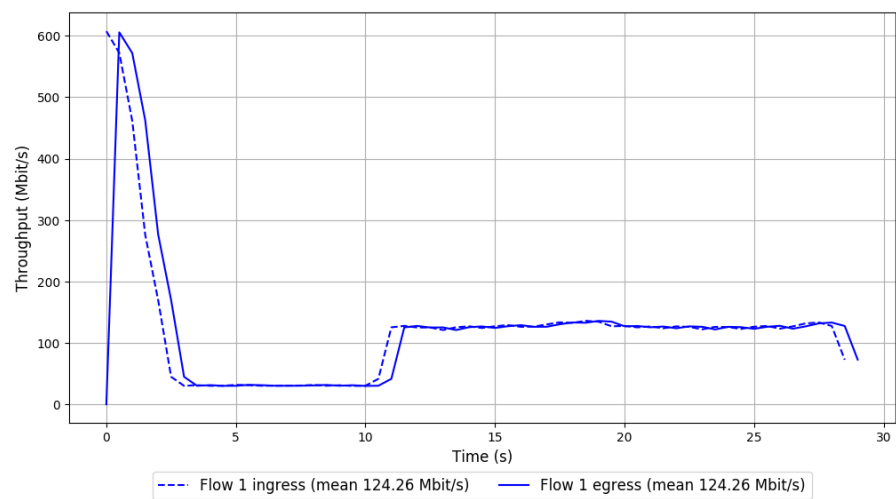
-- Flow 1:

Average throughput: 124.26 Mbit/s

95th percentile per-packet one-way delay: 1.509 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesC5 — Data Link

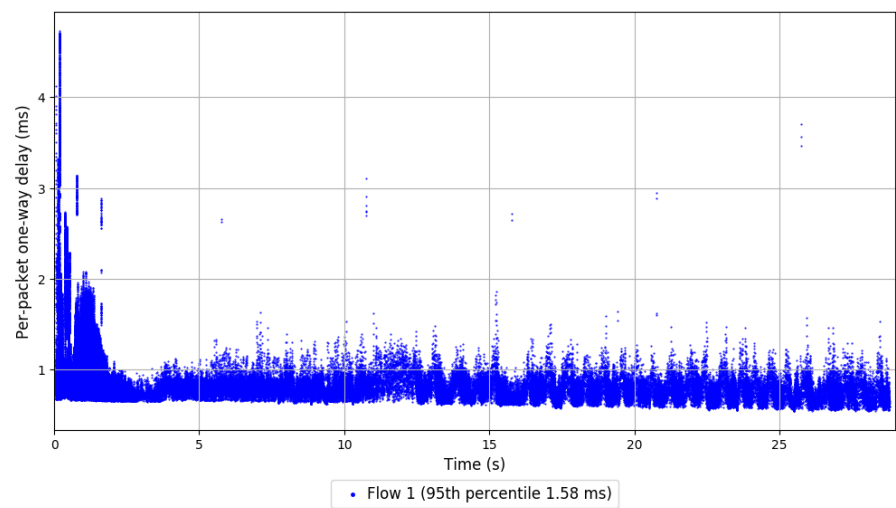
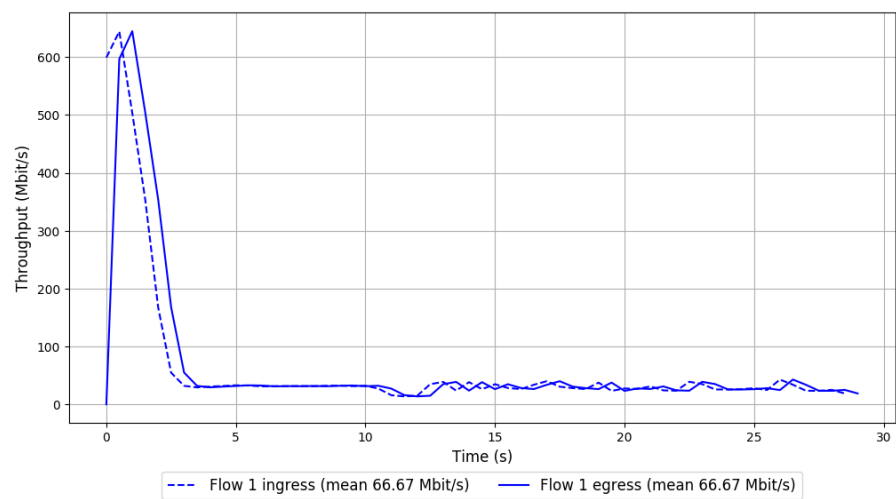


Run 2: Statistics of Indigo-MusesC5

Start at: 2019-06-27 19:48:01
End at: 2019-06-27 19:48:31
Local clock offset: -0.369 ms
Remote clock offset: -2.885 ms

Below is generated by plot.py at 2019-06-27 22:17:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.67 Mbit/s
95th percentile per-packet one-way delay: 1.585 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 66.67 Mbit/s
95th percentile per-packet one-way delay: 1.585 ms
Loss rate: 0.00%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-06-27 20:18:26

End at: 2019-06-27 20:18:56

Local clock offset: -0.472 ms

Remote clock offset: 0.676 ms

Below is generated by plot.py at 2019-06-27 22:17:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.17 Mbit/s

95th percentile per-packet one-way delay: 1.949 ms

Loss rate: 0.08%

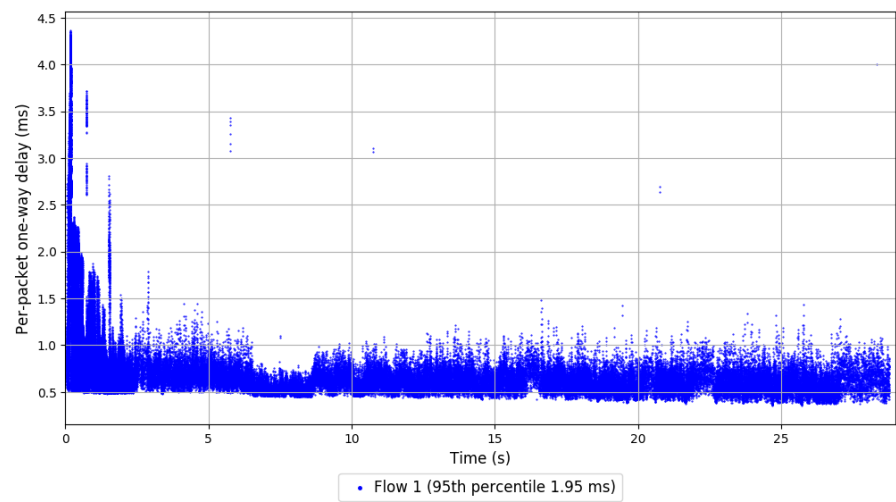
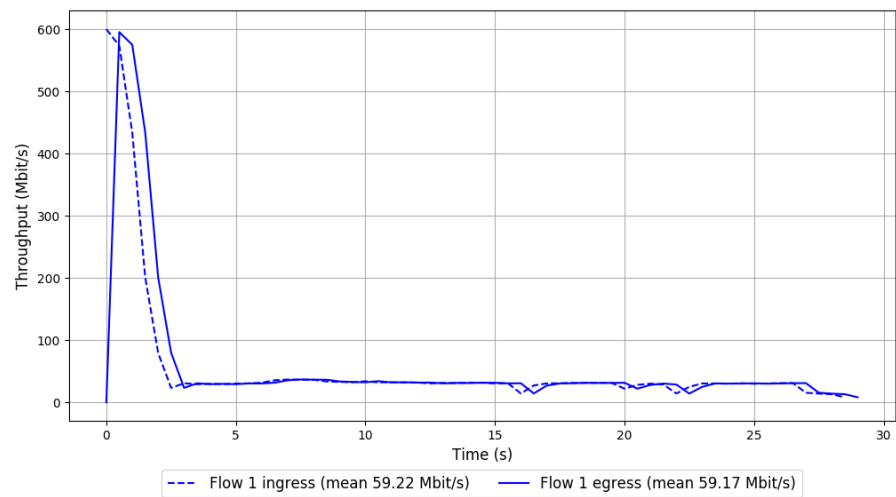
-- Flow 1:

Average throughput: 59.17 Mbit/s

95th percentile per-packet one-way delay: 1.949 ms

Loss rate: 0.08%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-06-27 20:48:50

End at: 2019-06-27 20:49:20

Local clock offset: -4.527 ms

Remote clock offset: 0.296 ms

Below is generated by plot.py at 2019-06-27 22:17:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 279.63 Mbit/s

95th percentile per-packet one-way delay: 1.267 ms

Loss rate: 0.01%

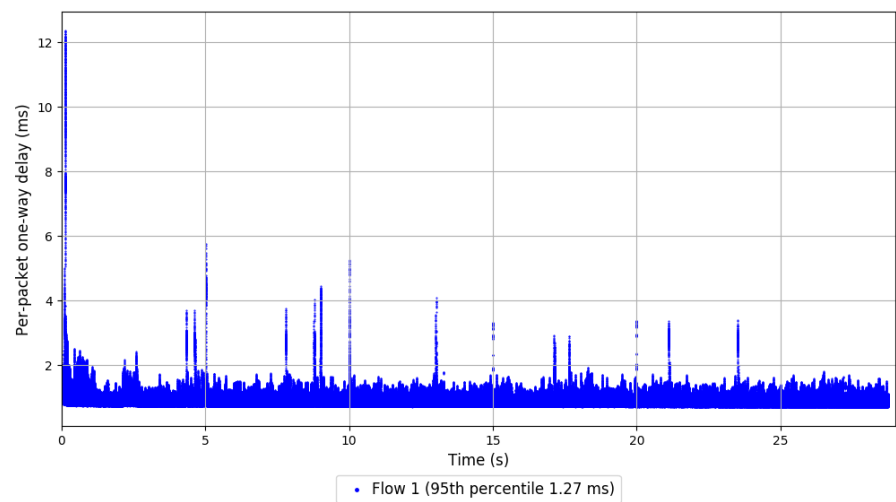
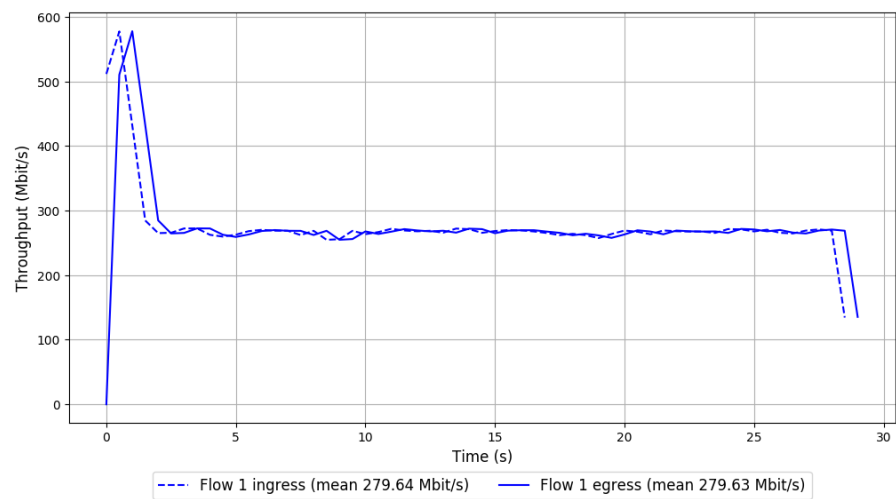
-- Flow 1:

Average throughput: 279.63 Mbit/s

95th percentile per-packet one-way delay: 1.267 ms

Loss rate: 0.01%

Run 4: Report of Indigo-MusesC5 — Data Link

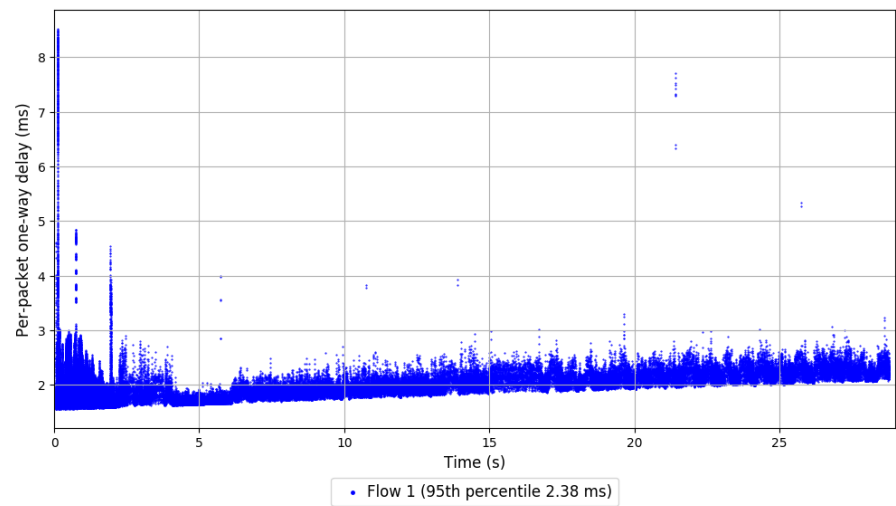
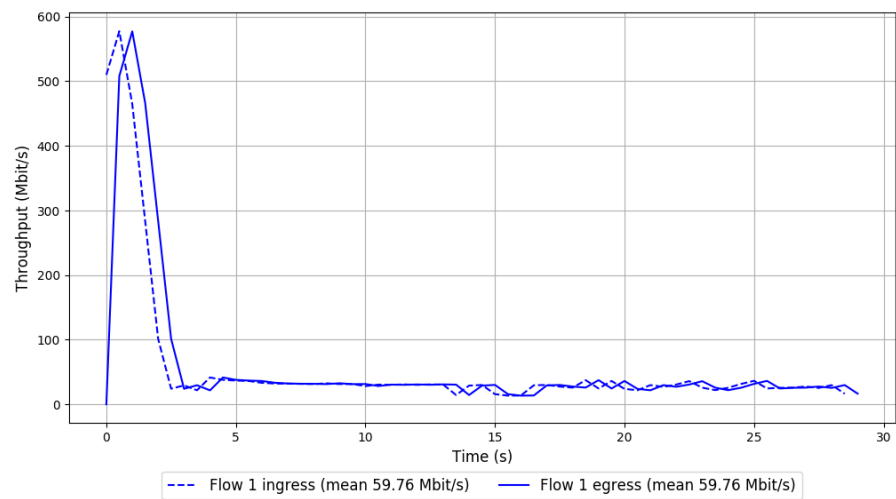


Run 5: Statistics of Indigo-MusesC5

Start at: 2019-06-27 21:19:29
End at: 2019-06-27 21:19:59
Local clock offset: -5.258 ms
Remote clock offset: -3.424 ms

Below is generated by plot.py at 2019-06-27 22:17:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.76 Mbit/s
95th percentile per-packet one-way delay: 2.382 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.76 Mbit/s
95th percentile per-packet one-way delay: 2.382 ms
Loss rate: 0.00%

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

Start at: 2019-06-27 19:21:15

End at: 2019-06-27 19:21:45

Local clock offset: 2.633 ms

Remote clock offset: -1.834 ms

Below is generated by plot.py at 2019-06-27 22:17:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 105.60 Mbit/s

95th percentile per-packet one-way delay: 0.978 ms

Loss rate: 0.00%

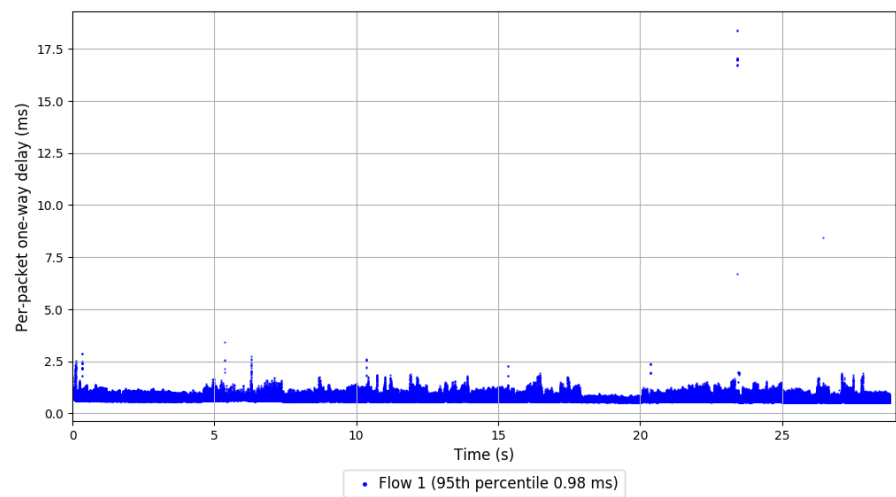
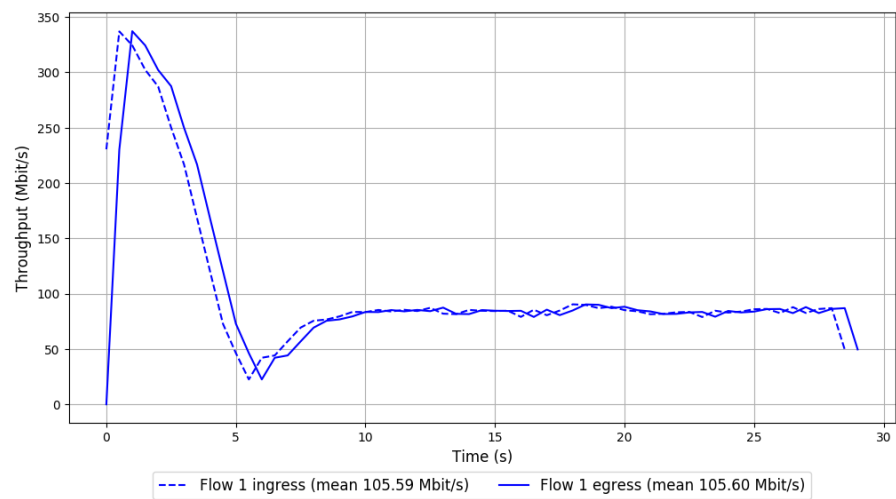
-- Flow 1:

Average throughput: 105.60 Mbit/s

95th percentile per-packet one-way delay: 0.978 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-06-27 19:51:54

End at: 2019-06-27 19:52:25

Local clock offset: -0.216 ms

Remote clock offset: -1.725 ms

Below is generated by plot.py at 2019-06-27 22:17:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 111.96 Mbit/s

95th percentile per-packet one-way delay: 1.028 ms

Loss rate: 0.00%

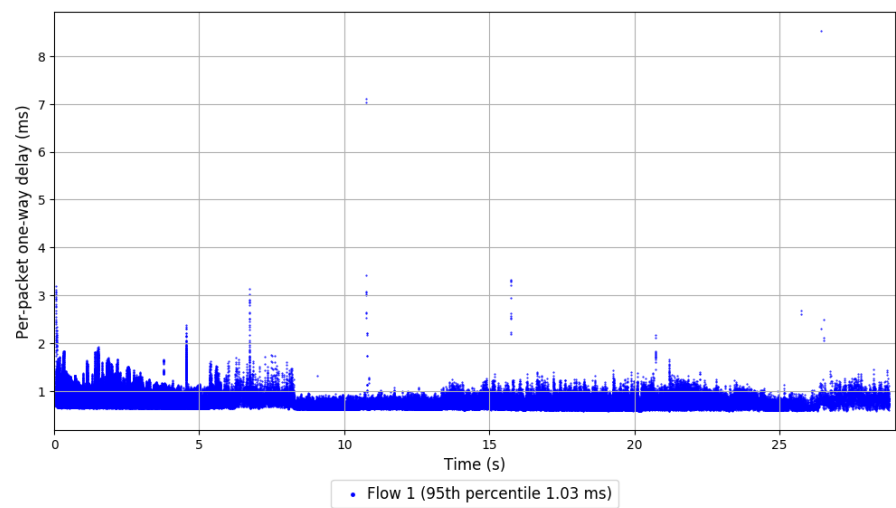
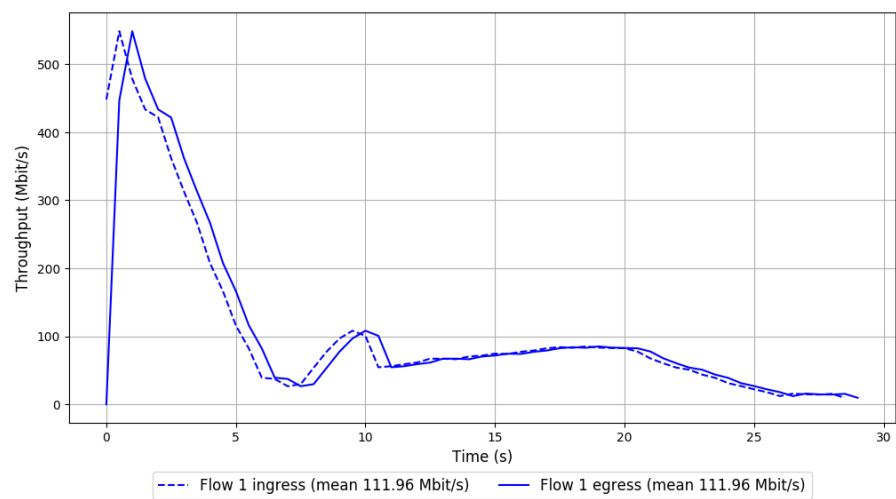
-- Flow 1:

Average throughput: 111.96 Mbit/s

95th percentile per-packet one-way delay: 1.028 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-06-27 20:22:20

End at: 2019-06-27 20:22:50

Local clock offset: -1.515 ms

Remote clock offset: 0.74 ms

Below is generated by plot.py at 2019-06-27 22:17:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 116.10 Mbit/s

95th percentile per-packet one-way delay: 1.054 ms

Loss rate: 0.00%

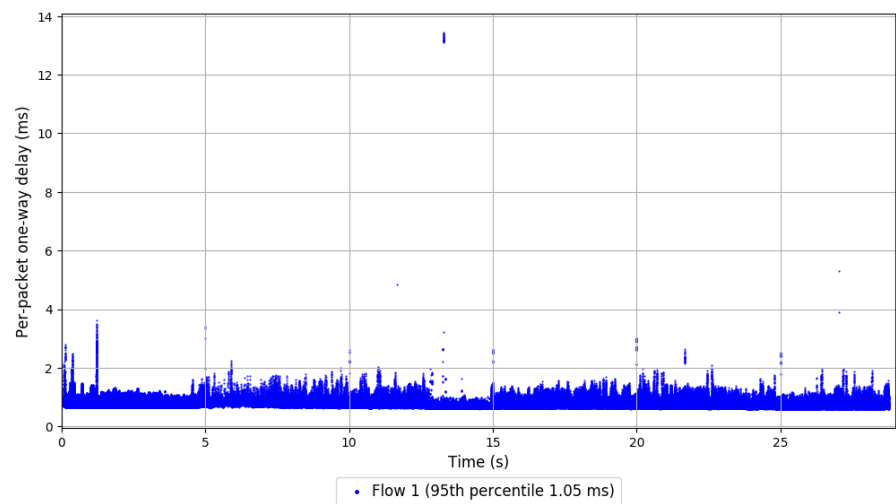
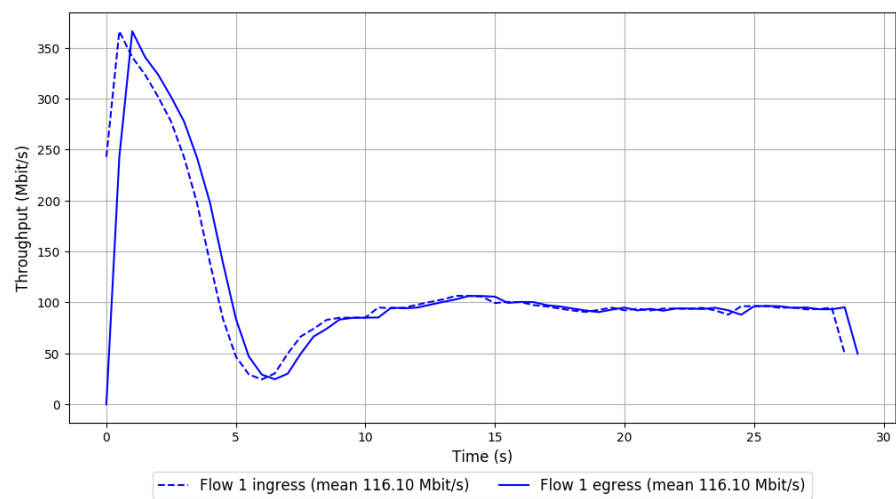
-- Flow 1:

Average throughput: 116.10 Mbit/s

95th percentile per-packet one-way delay: 1.054 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-06-27 20:52:49

End at: 2019-06-27 20:53:19

Local clock offset: -4.827 ms

Remote clock offset: 0.342 ms

Below is generated by plot.py at 2019-06-27 22:17:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.73 Mbit/s

95th percentile per-packet one-way delay: 1.213 ms

Loss rate: 0.01%

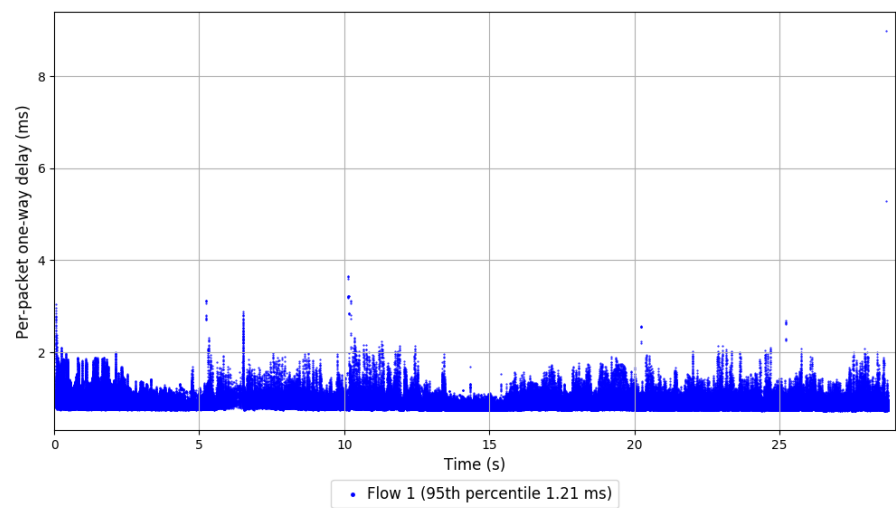
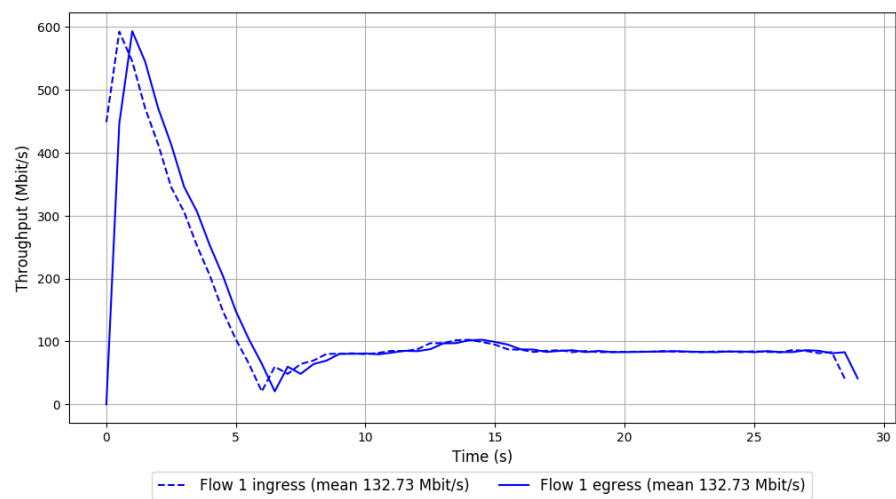
-- Flow 1:

Average throughput: 132.73 Mbit/s

95th percentile per-packet one-way delay: 1.213 ms

Loss rate: 0.01%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-06-27 21:23:22

End at: 2019-06-27 21:23:52

Local clock offset: -1.607 ms

Remote clock offset: -3.684 ms

Below is generated by plot.py at 2019-06-27 22:17:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 105.11 Mbit/s

95th percentile per-packet one-way delay: 1.894 ms

Loss rate: 0.00%

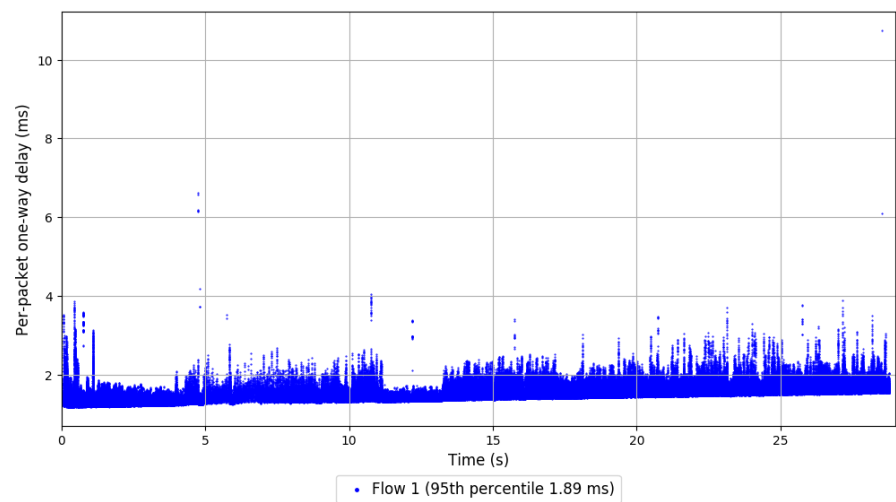
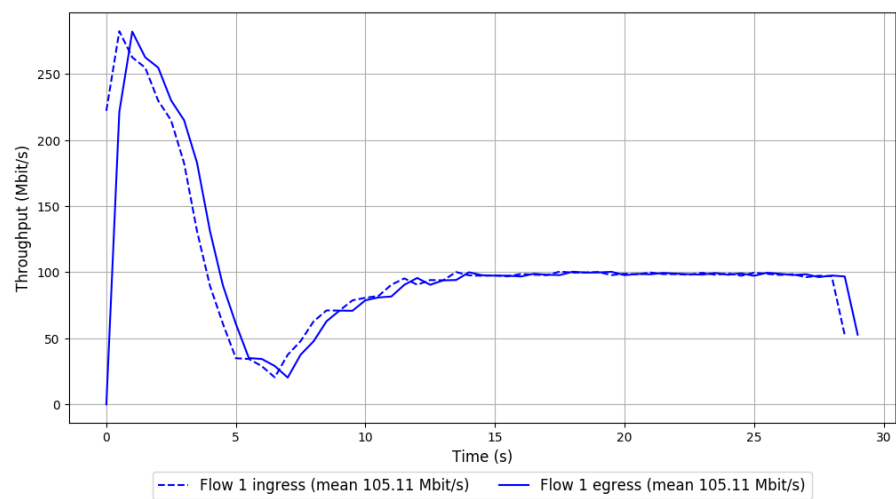
-- Flow 1:

Average throughput: 105.11 Mbit/s

95th percentile per-packet one-way delay: 1.894 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MusesT

Start at: 2019-06-27 19:23:46

End at: 2019-06-27 19:24:16

Local clock offset: 1.871 ms

Remote clock offset: -2.252 ms

Below is generated by plot.py at 2019-06-27 22:18:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 293.36 Mbit/s

95th percentile per-packet one-way delay: 0.992 ms

Loss rate: 0.00%

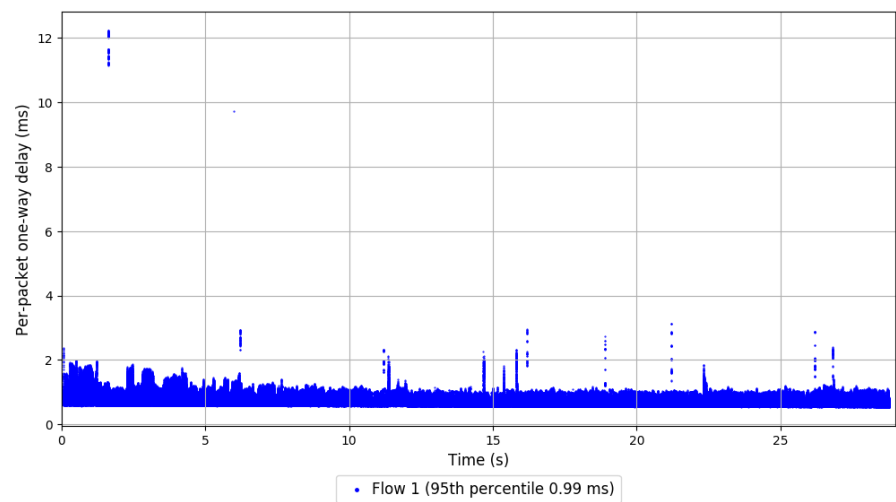
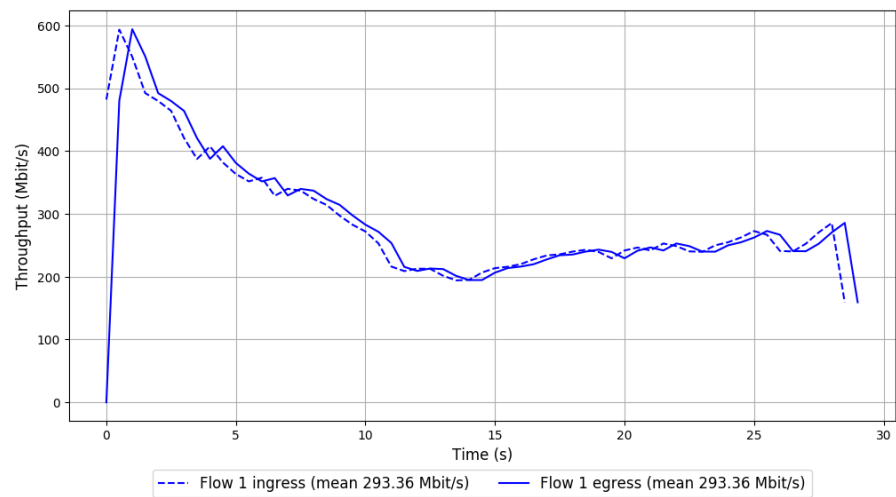
-- Flow 1:

Average throughput: 293.36 Mbit/s

95th percentile per-packet one-way delay: 0.992 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesT — Data Link

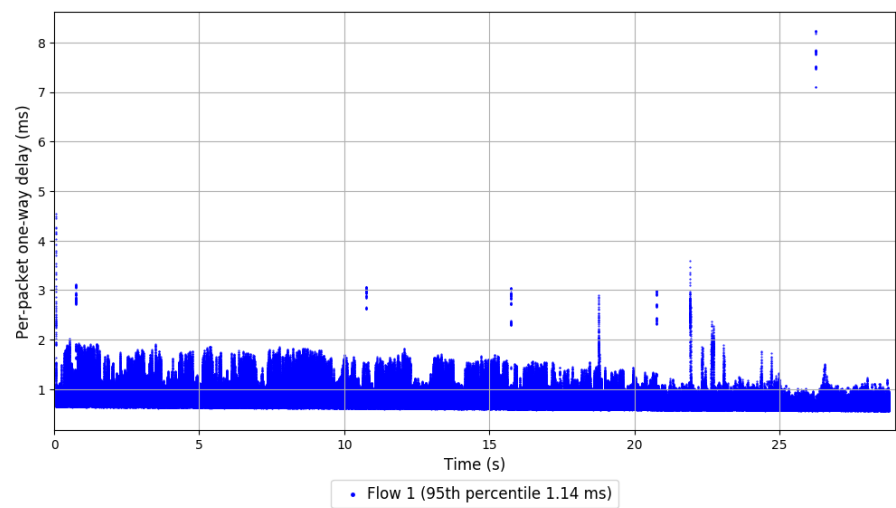
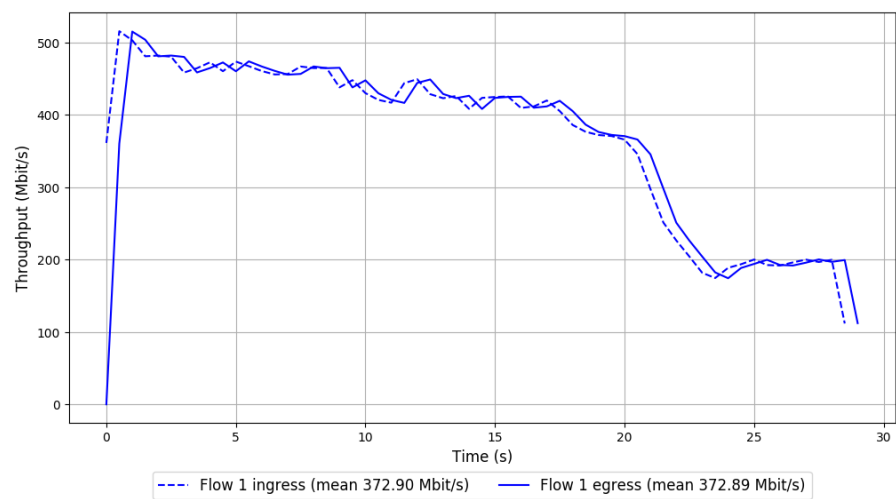


Run 2: Statistics of Indigo-MusesT

Start at: 2019-06-27 19:54:25
End at: 2019-06-27 19:54:55
Local clock offset: -0.199 ms
Remote clock offset: -1.232 ms

Below is generated by plot.py at 2019-06-27 22:19:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 372.89 Mbit/s
95th percentile per-packet one-way delay: 1.136 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 372.89 Mbit/s
95th percentile per-packet one-way delay: 1.136 ms
Loss rate: 0.00%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

Start at: 2019-06-27 20:24:51

End at: 2019-06-27 20:25:21

Local clock offset: -2.045 ms

Remote clock offset: 0.594 ms

Below is generated by plot.py at 2019-06-27 22:19:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 277.08 Mbit/s

95th percentile per-packet one-way delay: 1.086 ms

Loss rate: 0.00%

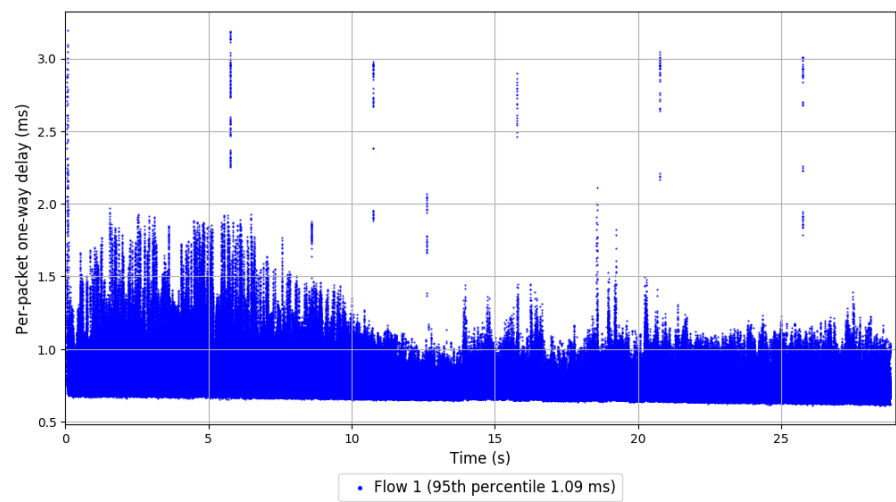
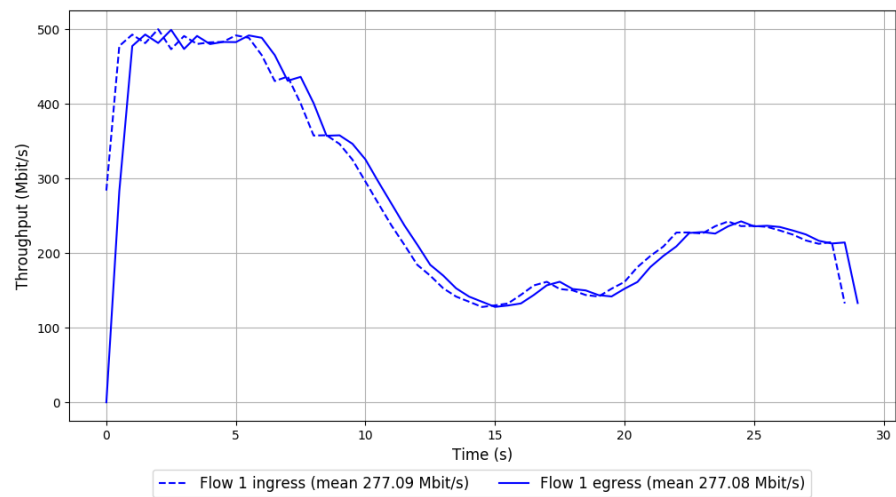
-- Flow 1:

Average throughput: 277.08 Mbit/s

95th percentile per-packet one-way delay: 1.086 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2019-06-27 20:55:21

End at: 2019-06-27 20:55:51

Local clock offset: -5.021 ms

Remote clock offset: 0.07 ms

Below is generated by plot.py at 2019-06-27 22:20:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 448.77 Mbit/s

95th percentile per-packet one-way delay: 1.335 ms

Loss rate: 0.00%

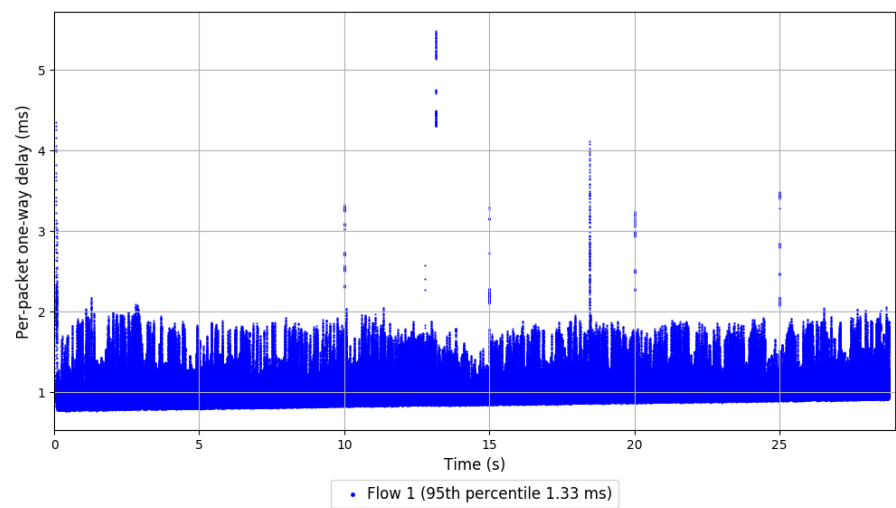
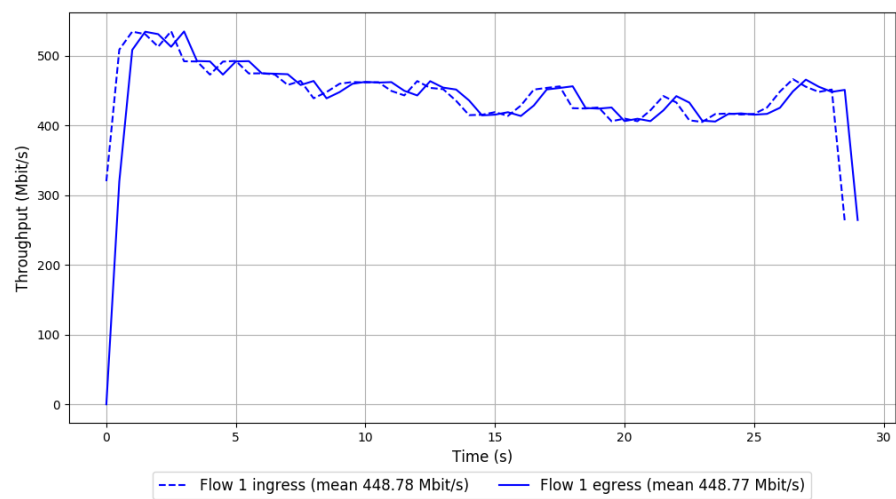
-- Flow 1:

Average throughput: 448.77 Mbit/s

95th percentile per-packet one-way delay: 1.335 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-06-27 21:25:52

End at: 2019-06-27 21:26:22

Local clock offset: 0.01 ms

Remote clock offset: -3.806 ms

Below is generated by plot.py at 2019-06-27 22:20:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 413.67 Mbit/s

95th percentile per-packet one-way delay: 1.722 ms

Loss rate: 0.01%

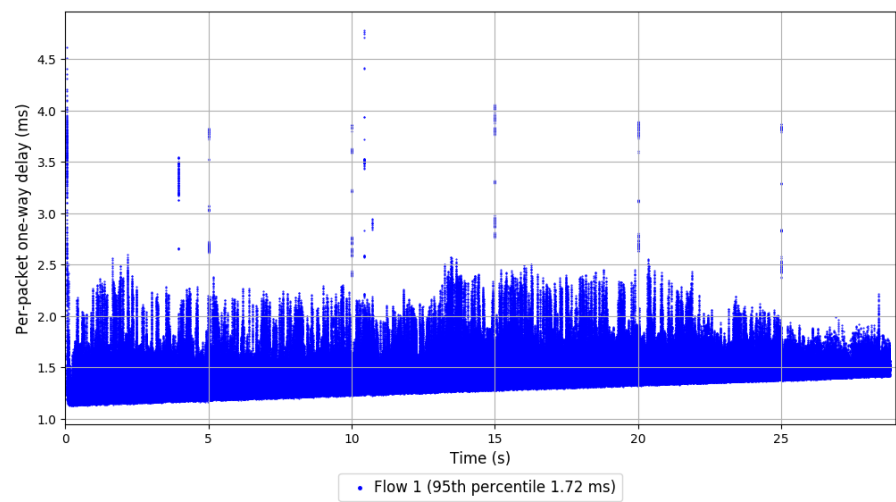
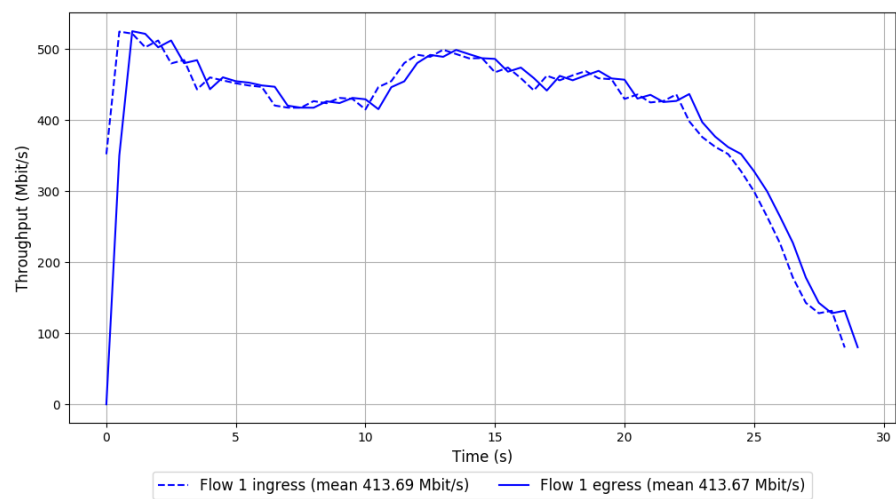
-- Flow 1:

Average throughput: 413.67 Mbit/s

95th percentile per-packet one-way delay: 1.722 ms

Loss rate: 0.01%

Run 5: Report of Indigo-MusesT — Data Link



Run 1: Statistics of LEDBAT

Start at: 2019-06-27 19:07:19

End at: 2019-06-27 19:07:49

Local clock offset: 3.104 ms

Remote clock offset: 0.134 ms

Below is generated by plot.py at 2019-06-27 22:22:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 614.20 Mbit/s

95th percentile per-packet one-way delay: 16.539 ms

Loss rate: 0.04%

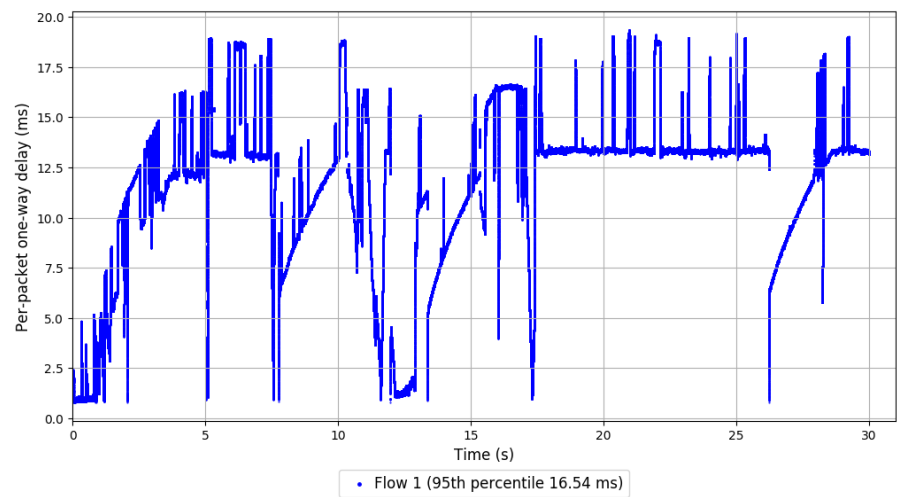
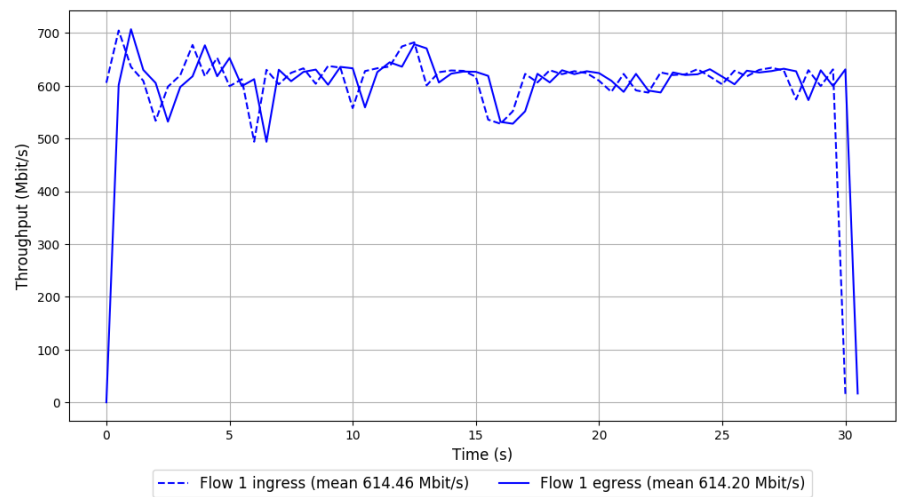
-- Flow 1:

Average throughput: 614.20 Mbit/s

95th percentile per-packet one-way delay: 16.539 ms

Loss rate: 0.04%

Run 1: Report of LEDBAT — Data Link

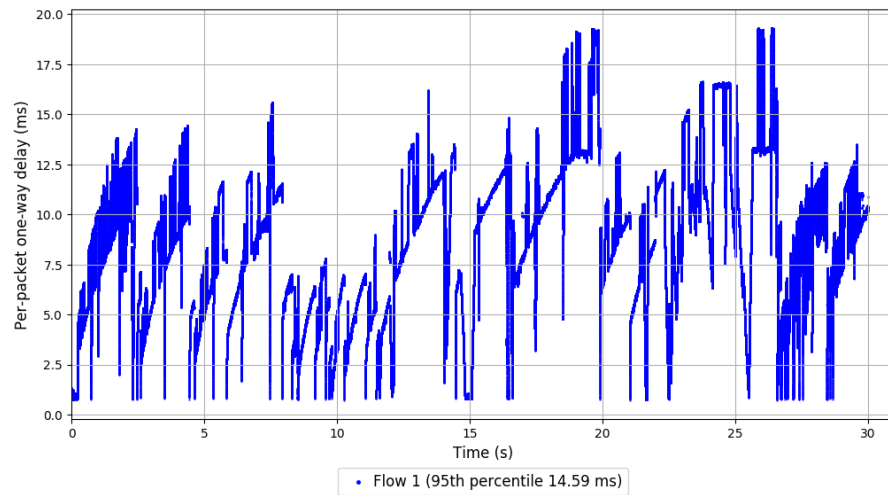
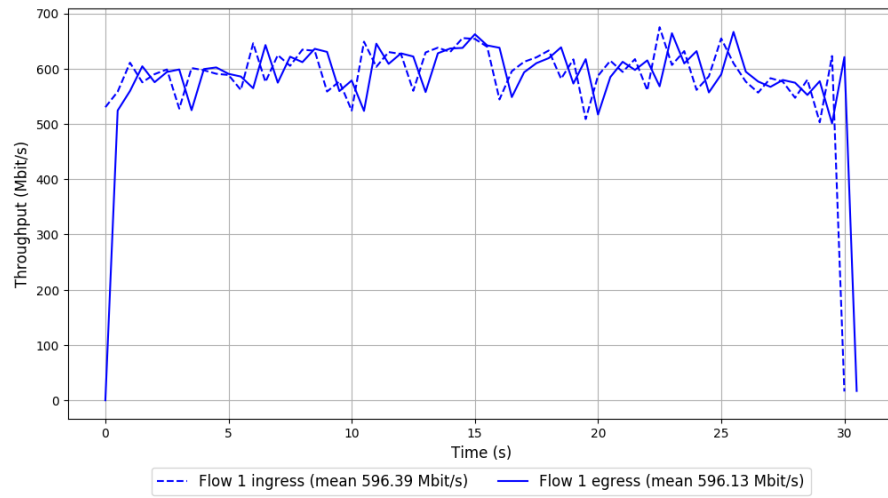


Run 2: Statistics of LEDBAT

Start at: 2019-06-27 19:37:37
End at: 2019-06-27 19:38:07
Local clock offset: 0.115 ms
Remote clock offset: -3.134 ms

Below is generated by plot.py at 2019-06-27 22:23:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 596.13 Mbit/s
95th percentile per-packet one-way delay: 14.590 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 596.13 Mbit/s
95th percentile per-packet one-way delay: 14.590 ms
Loss rate: 0.04%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2019-06-27 20:08:26

End at: 2019-06-27 20:08:56

Local clock offset: -0.217 ms

Remote clock offset: 0.327 ms

Below is generated by plot.py at 2019-06-27 22:24:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 569.69 Mbit/s

95th percentile per-packet one-way delay: 16.138 ms

Loss rate: 0.03%

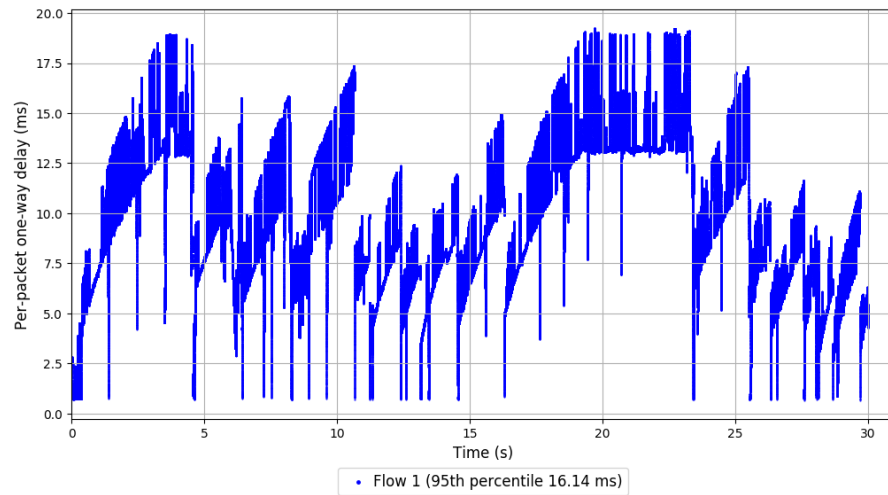
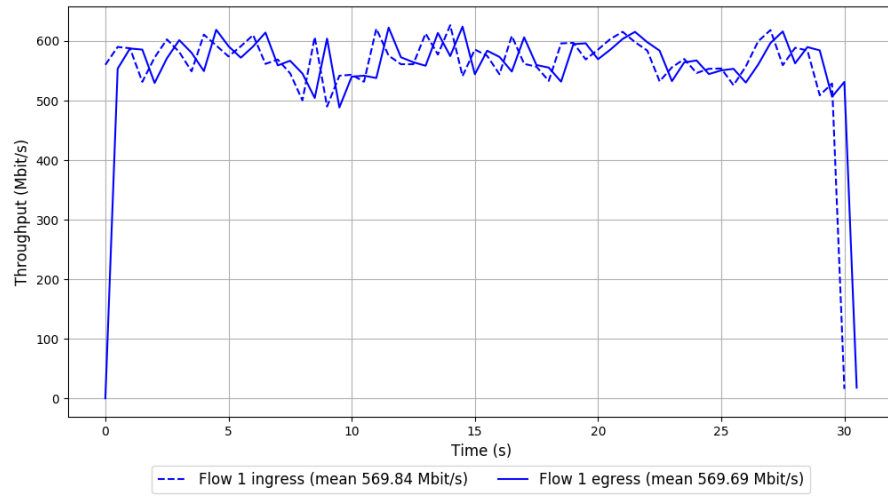
-- Flow 1:

Average throughput: 569.69 Mbit/s

95th percentile per-packet one-way delay: 16.138 ms

Loss rate: 0.03%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2019-06-27 20:38:47

End at: 2019-06-27 20:39:17

Local clock offset: -3.753 ms

Remote clock offset: 0.275 ms

Below is generated by plot.py at 2019-06-27 22:25:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 584.88 Mbit/s

95th percentile per-packet one-way delay: 16.387 ms

Loss rate: 0.05%

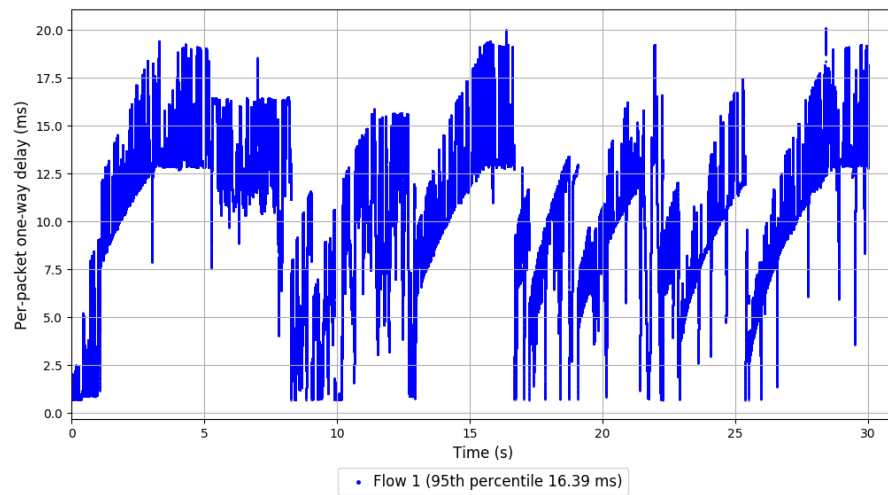
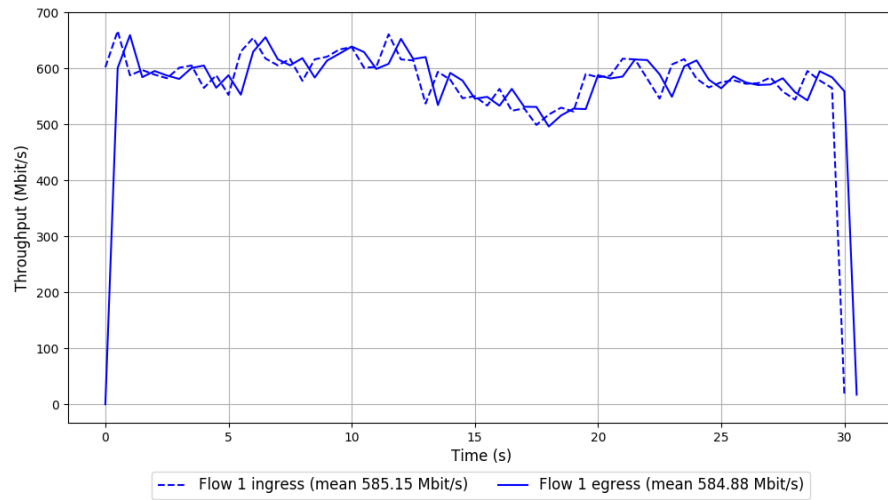
-- Flow 1:

Average throughput: 584.88 Mbit/s

95th percentile per-packet one-way delay: 16.387 ms

Loss rate: 0.05%

Run 4: Report of LEDBAT — Data Link

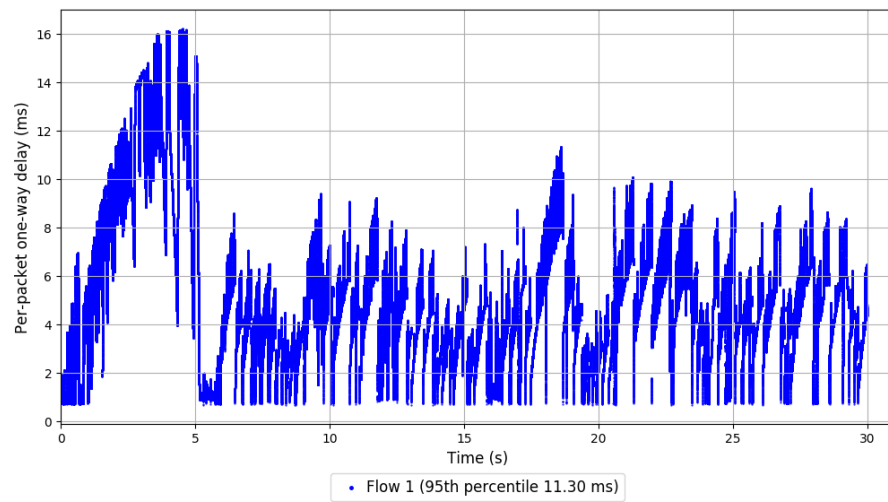
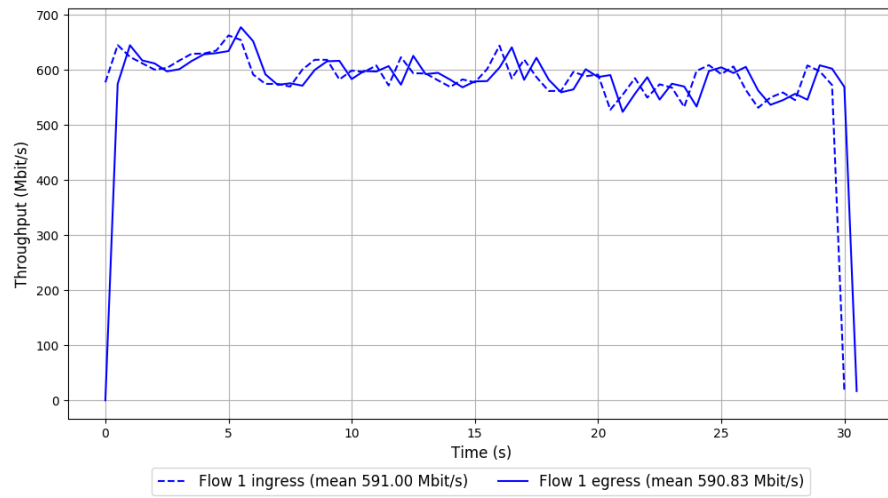


Run 5: Statistics of LEDBAT

Start at: 2019-06-27 21:09:29
End at: 2019-06-27 21:09:59
Local clock offset: -5.836 ms
Remote clock offset: -2.722 ms

Below is generated by plot.py at 2019-06-27 22:25:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 590.83 Mbit/s
95th percentile per-packet one-way delay: 11.303 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 590.83 Mbit/s
95th percentile per-packet one-way delay: 11.303 ms
Loss rate: 0.03%

Run 5: Report of LEDBAT — Data Link

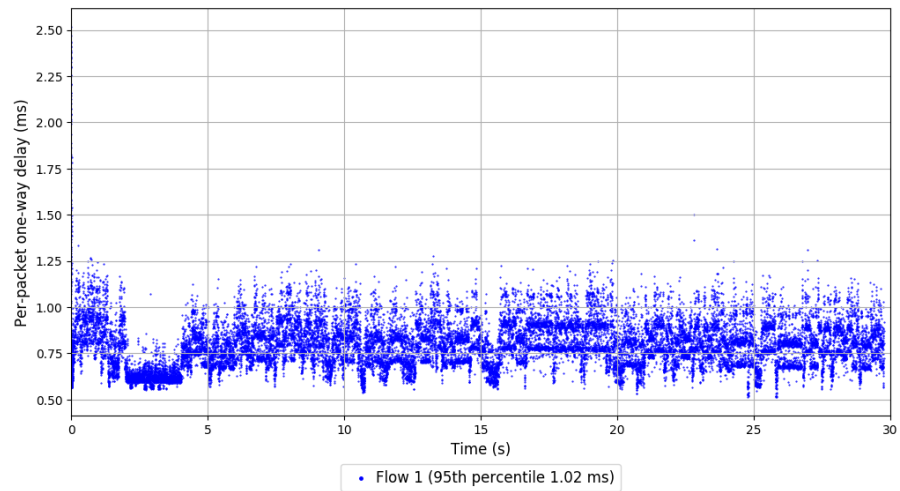
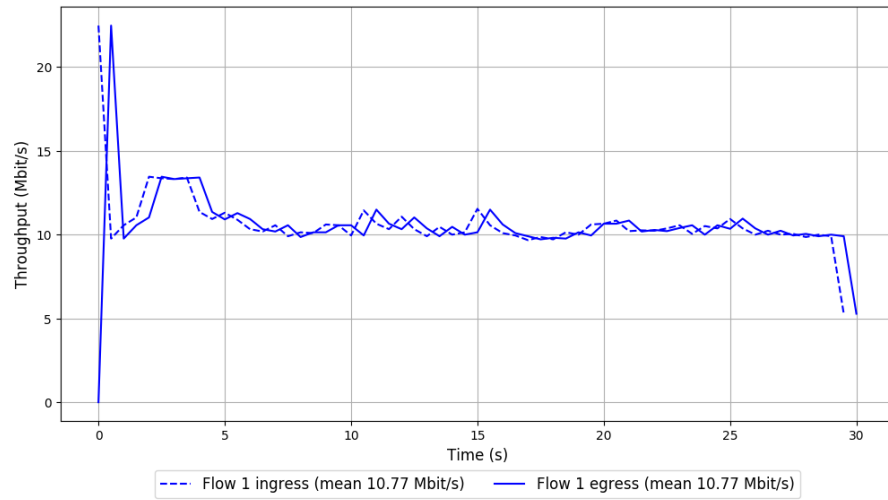


Run 1: Statistics of Muses_DecisionTree

Start at: 2019-06-27 19:22:32
End at: 2019-06-27 19:23:02
Local clock offset: 2.195 ms
Remote clock offset: -2.112 ms

Below is generated by plot.py at 2019-06-27 22:25:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.77 Mbit/s
95th percentile per-packet one-way delay: 1.019 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.77 Mbit/s
95th percentile per-packet one-way delay: 1.019 ms
Loss rate: 0.00%

Run 1: Report of Muses_DecisionTree — Data Link

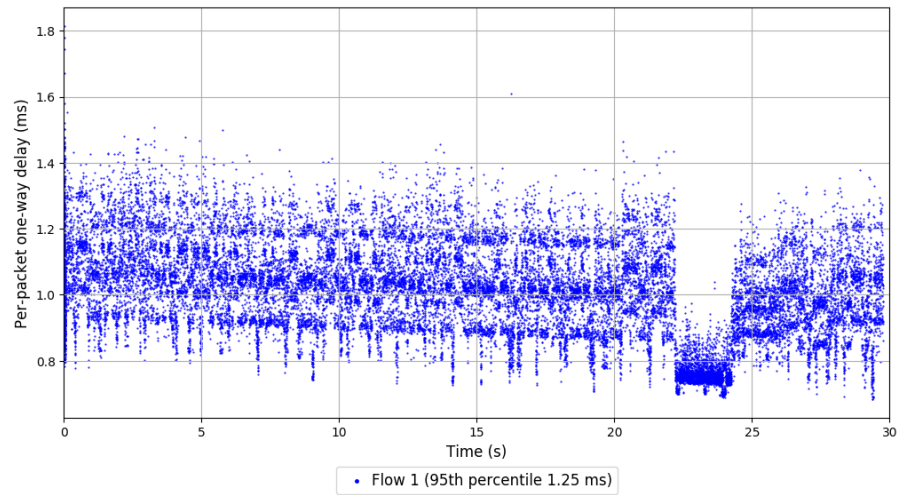
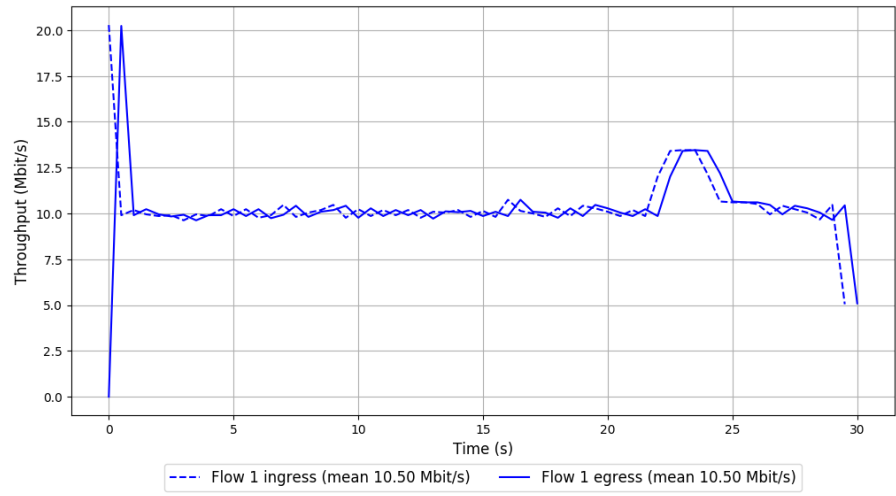


Run 2: Statistics of Muses_DecisionTree

Start at: 2019-06-27 19:53:12
End at: 2019-06-27 19:53:42
Local clock offset: -0.214 ms
Remote clock offset: -1.362 ms

Below is generated by plot.py at 2019-06-27 22:25:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.50 Mbit/s
95th percentile per-packet one-way delay: 1.252 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.50 Mbit/s
95th percentile per-packet one-way delay: 1.252 ms
Loss rate: 0.00%

Run 2: Report of Muses_DecisionTree — Data Link



Run 3: Statistics of Muses_DecisionTree

Start at: 2019-06-27 20:23:37

End at: 2019-06-27 20:24:07

Local clock offset: -1.765 ms

Remote clock offset: 0.66 ms

Below is generated by plot.py at 2019-06-27 22:25:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.53 Mbit/s

95th percentile per-packet one-way delay: 1.109 ms

Loss rate: 0.00%

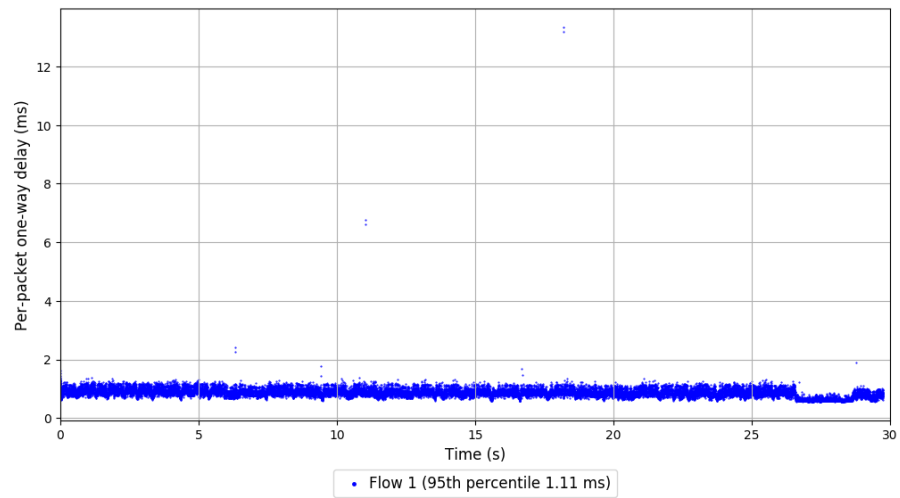
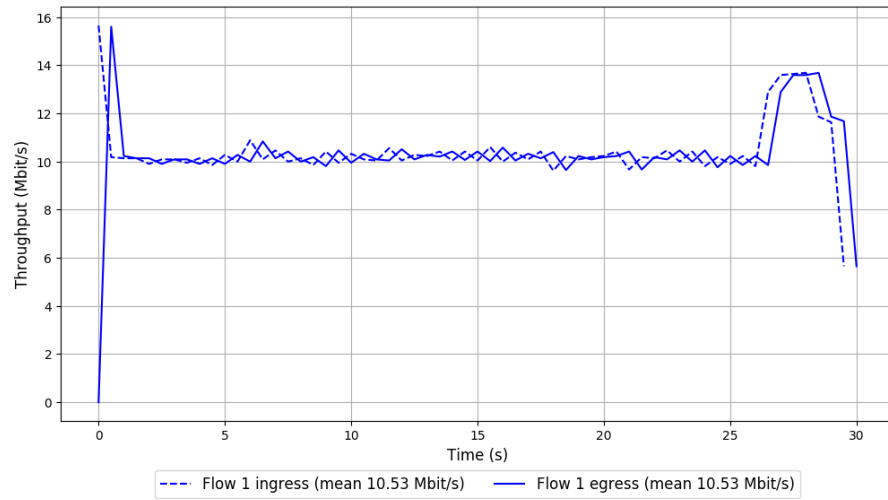
-- Flow 1:

Average throughput: 10.53 Mbit/s

95th percentile per-packet one-way delay: 1.109 ms

Loss rate: 0.00%

Run 3: Report of Muses_DecisionTree — Data Link



Run 4: Statistics of Muses_DecisionTree

Start at: 2019-06-27 20:54:07

End at: 2019-06-27 20:54:37

Local clock offset: -4.907 ms

Remote clock offset: 0.187 ms

Below is generated by plot.py at 2019-06-27 22:25:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.20 Mbit/s

95th percentile per-packet one-way delay: 1.092 ms

Loss rate: 0.01%

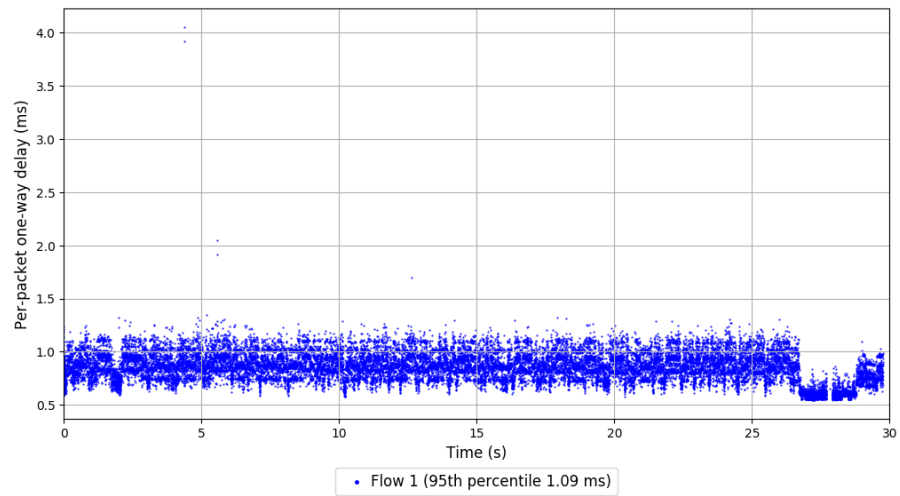
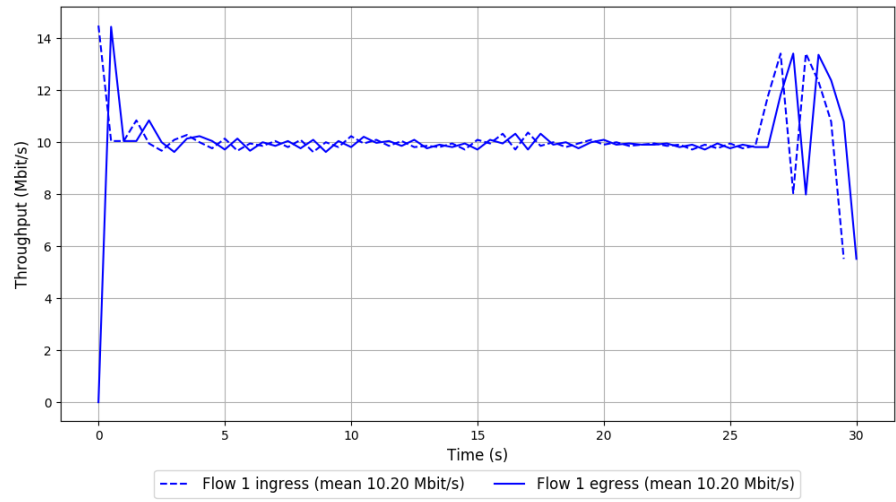
-- Flow 1:

Average throughput: 10.20 Mbit/s

95th percentile per-packet one-way delay: 1.092 ms

Loss rate: 0.01%

Run 4: Report of Muses_DecisionTree — Data Link

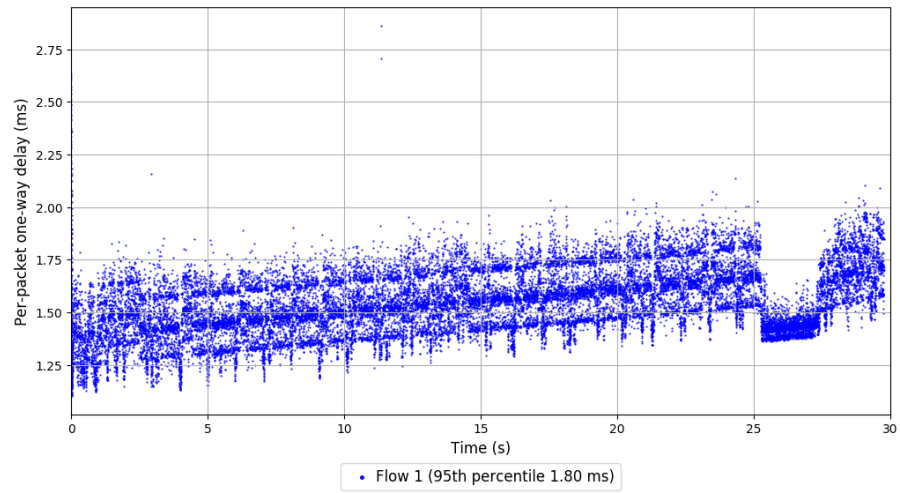
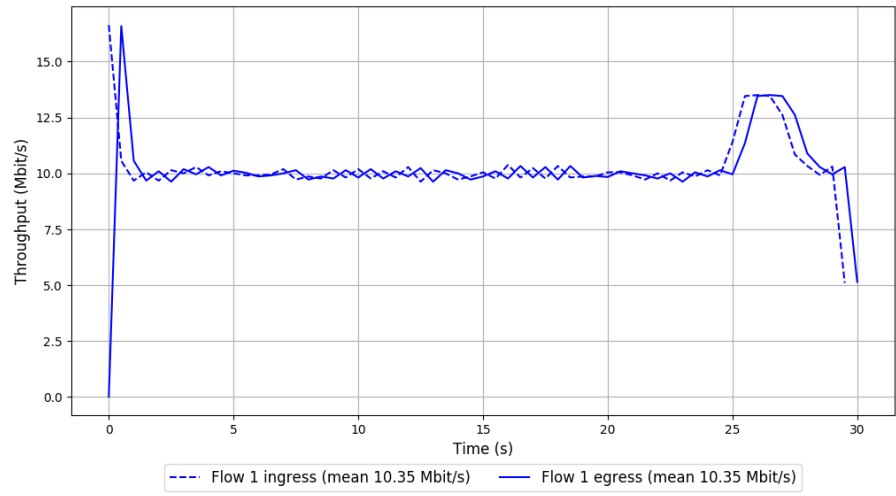


Run 5: Statistics of Muses_DecisionTree

Start at: 2019-06-27 21:24:38
End at: 2019-06-27 21:25:08
Local clock offset: -0.689 ms
Remote clock offset: -3.755 ms

Below is generated by plot.py at 2019-06-27 22:25:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.35 Mbit/s
95th percentile per-packet one-way delay: 1.802 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.35 Mbit/s
95th percentile per-packet one-way delay: 1.802 ms
Loss rate: 0.00%

Run 5: Report of Muses_DecisionTree — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2019-06-27 19:30:30

End at: 2019-06-27 19:31:00

Local clock offset: 0.759 ms

Remote clock offset: -2.764 ms

Below is generated by plot.py at 2019-06-27 22:25:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 378.45 Mbit/s

95th percentile per-packet one-way delay: 7.286 ms

Loss rate: 0.03%

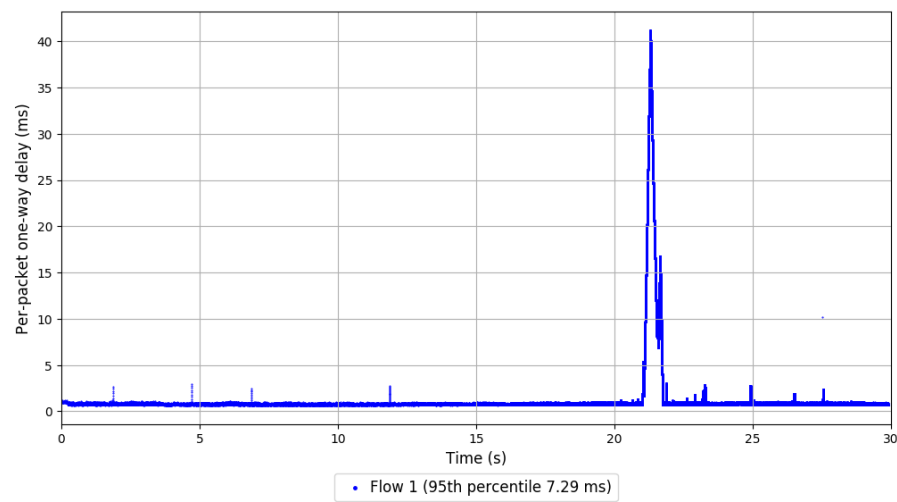
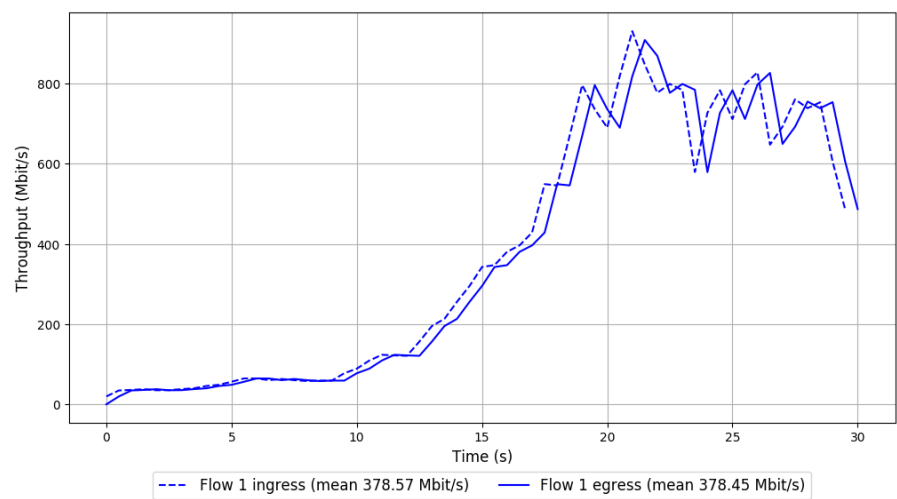
-- Flow 1:

Average throughput: 378.45 Mbit/s

95th percentile per-packet one-way delay: 7.286 ms

Loss rate: 0.03%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-06-27 20:01:13

End at: 2019-06-27 20:01:43

Local clock offset: -0.225 ms

Remote clock offset: -0.196 ms

Below is generated by plot.py at 2019-06-27 22:27:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 561.24 Mbit/s

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

Loss rate: 0.00%

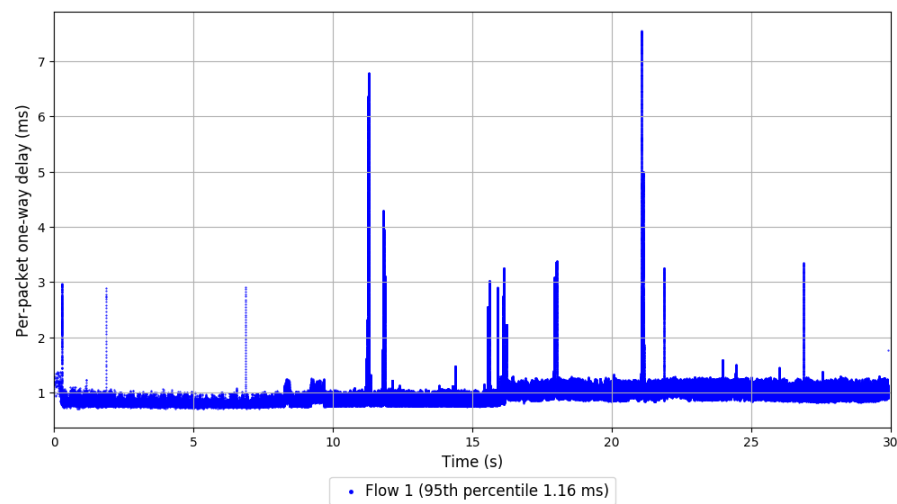
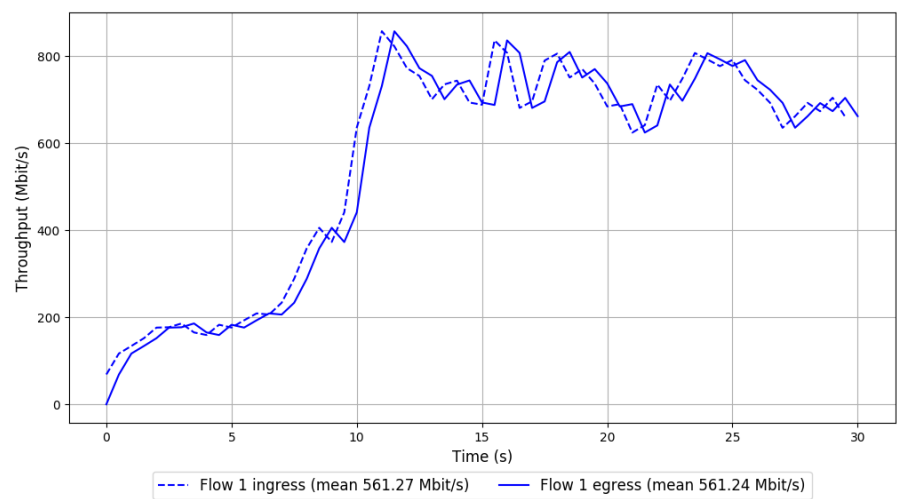
-- Flow 1:

Average throughput: 561.24 Mbit/s

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

Loss rate: 0.00%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-06-27 20:31:32

End at: 2019-06-27 20:32:02

Local clock offset: -3.048 ms

Remote clock offset: 0.357 ms

Below is generated by plot.py at 2019-06-27 22:29:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 723.59 Mbit/s

95th percentile per-packet one-way delay: 1.183 ms

Loss rate: 0.01%

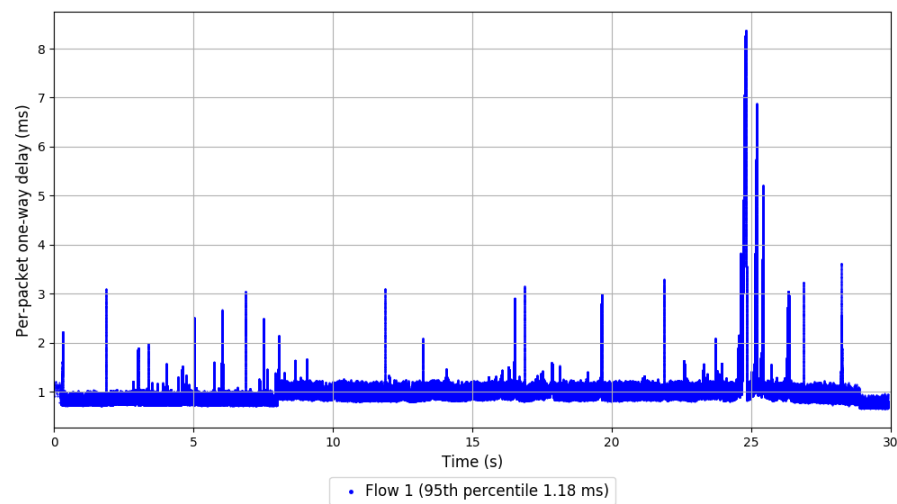
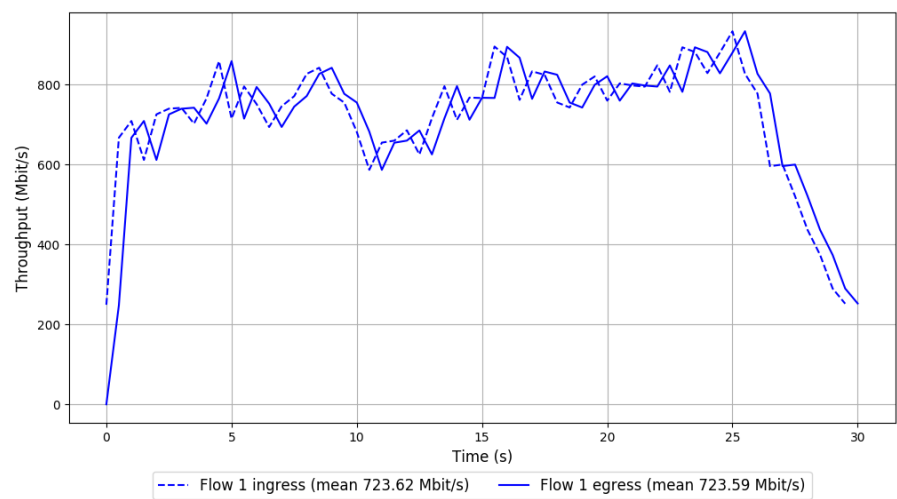
-- Flow 1:

Average throughput: 723.59 Mbit/s

95th percentile per-packet one-way delay: 1.183 ms

Loss rate: 0.01%

Run 3: Report of PCC-Allegro — Data Link

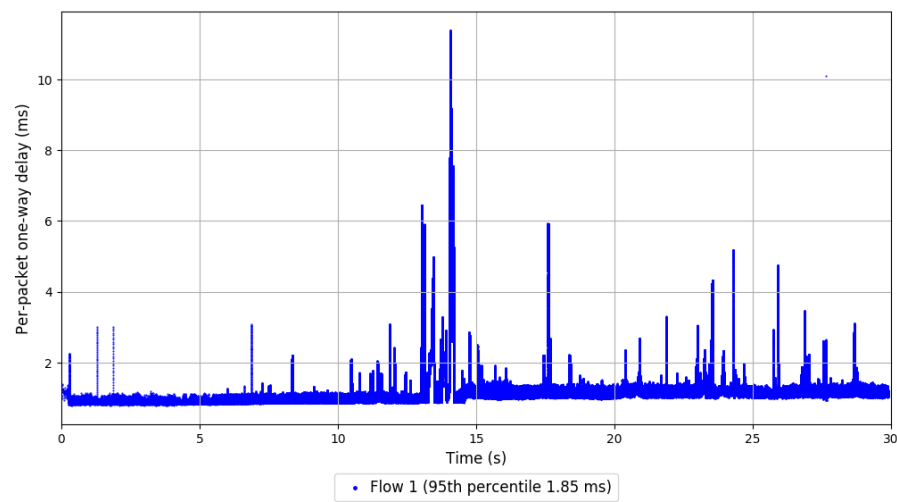
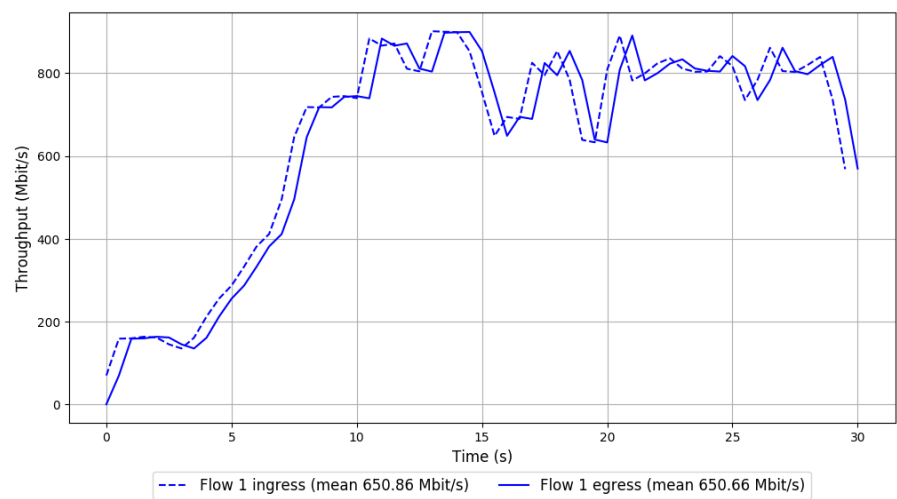


Run 4: Statistics of PCC-Allegro

Start at: 2019-06-27 21:02:10
End at: 2019-06-27 21:02:40
Local clock offset: -5.425 ms
Remote clock offset: -1.657 ms

Below is generated by plot.py at 2019-06-27 22:31:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 650.66 Mbit/s
95th percentile per-packet one-way delay: 1.853 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 650.66 Mbit/s
95th percentile per-packet one-way delay: 1.853 ms
Loss rate: 0.03%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-06-27 21:32:39

End at: 2019-06-27 21:33:09

Local clock offset: 2.973 ms

Remote clock offset: -3.503 ms

Below is generated by plot.py at 2019-06-27 22:31:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 622.02 Mbit/s

95th percentile per-packet one-way delay: 1.557 ms

Loss rate: 0.01%

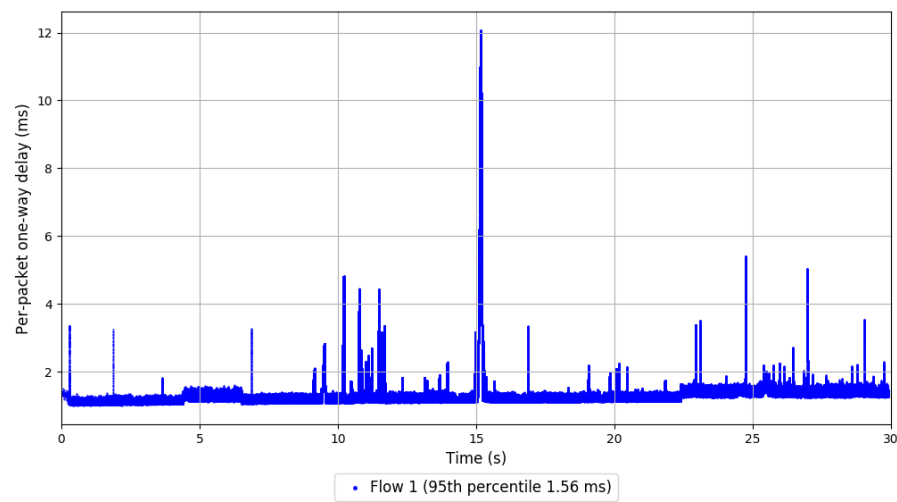
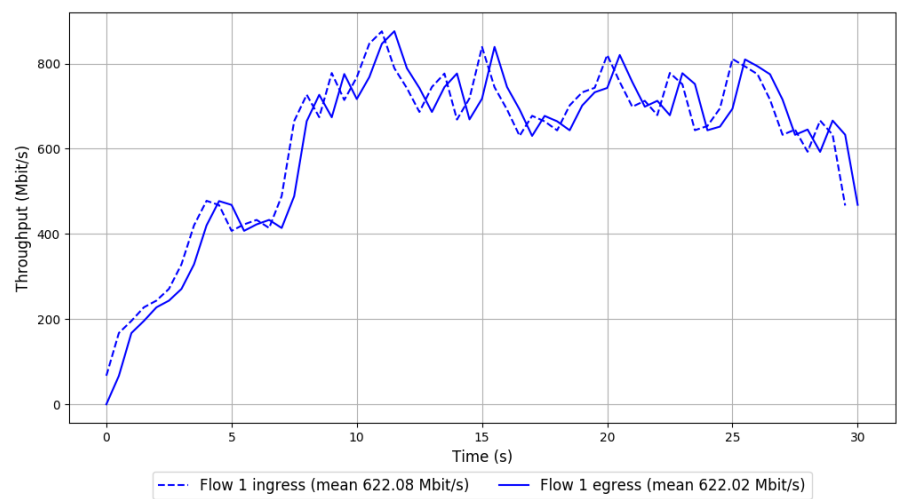
-- Flow 1:

Average throughput: 622.02 Mbit/s

95th percentile per-packet one-way delay: 1.557 ms

Loss rate: 0.01%

Run 5: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

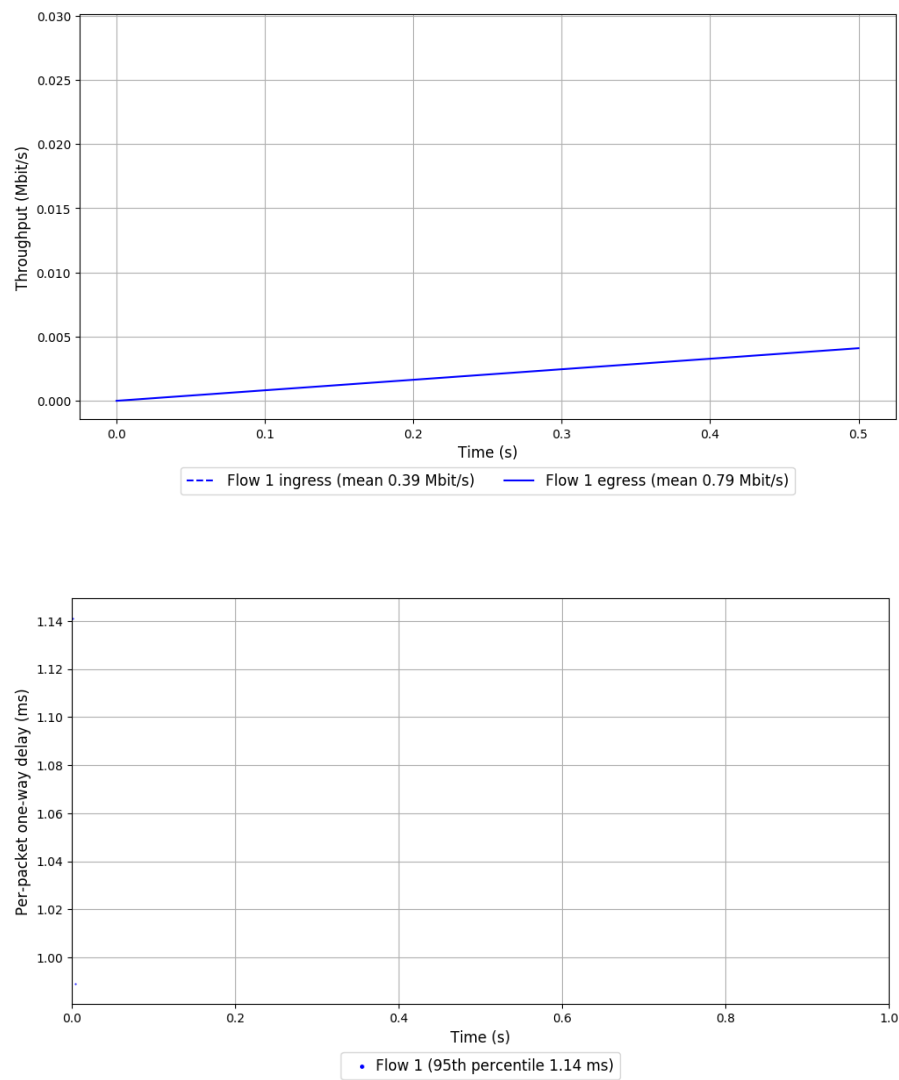
Start at: 2019-06-27 19:31:53

End at: 2019-06-27 19:32:23

Local clock offset: 0.547 ms

Remote clock offset: -2.857 ms

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

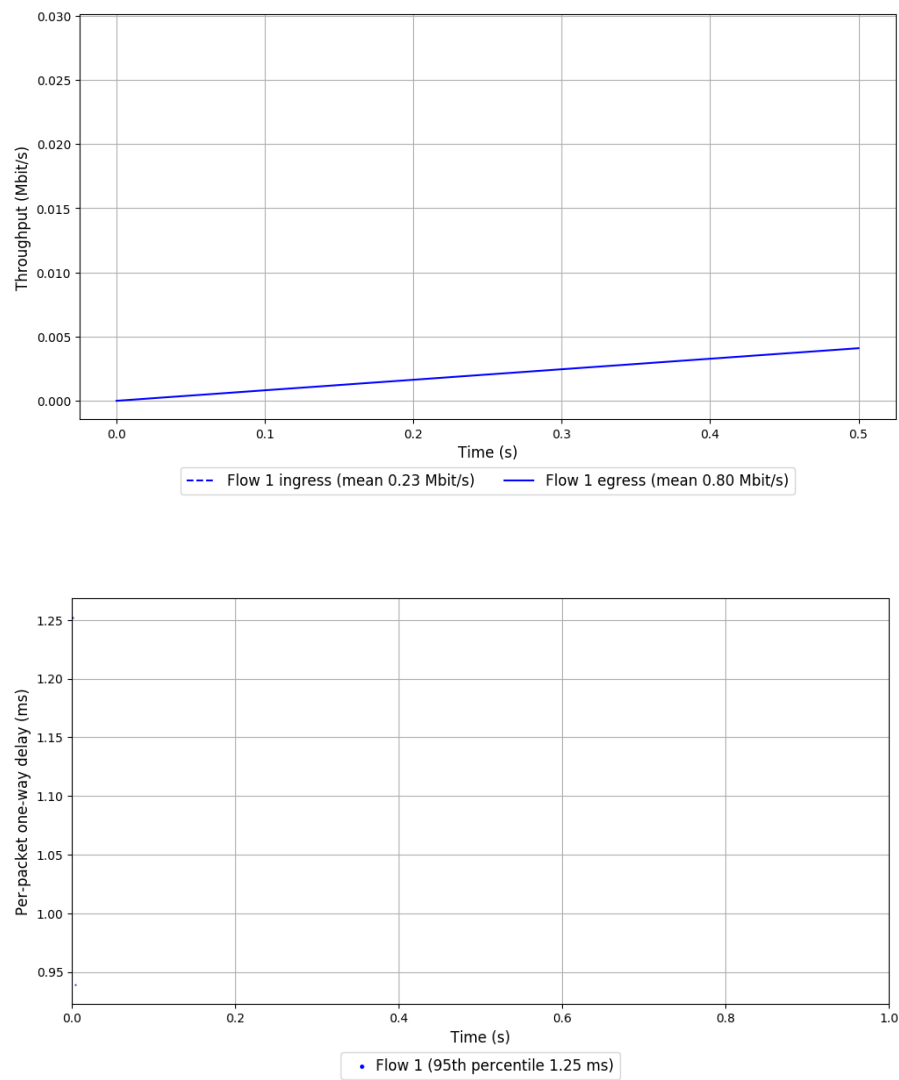
Start at: 2019-06-27 20:02:40

End at: 2019-06-27 20:03:10

Local clock offset: -0.233 ms

Remote clock offset: -0.113 ms

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

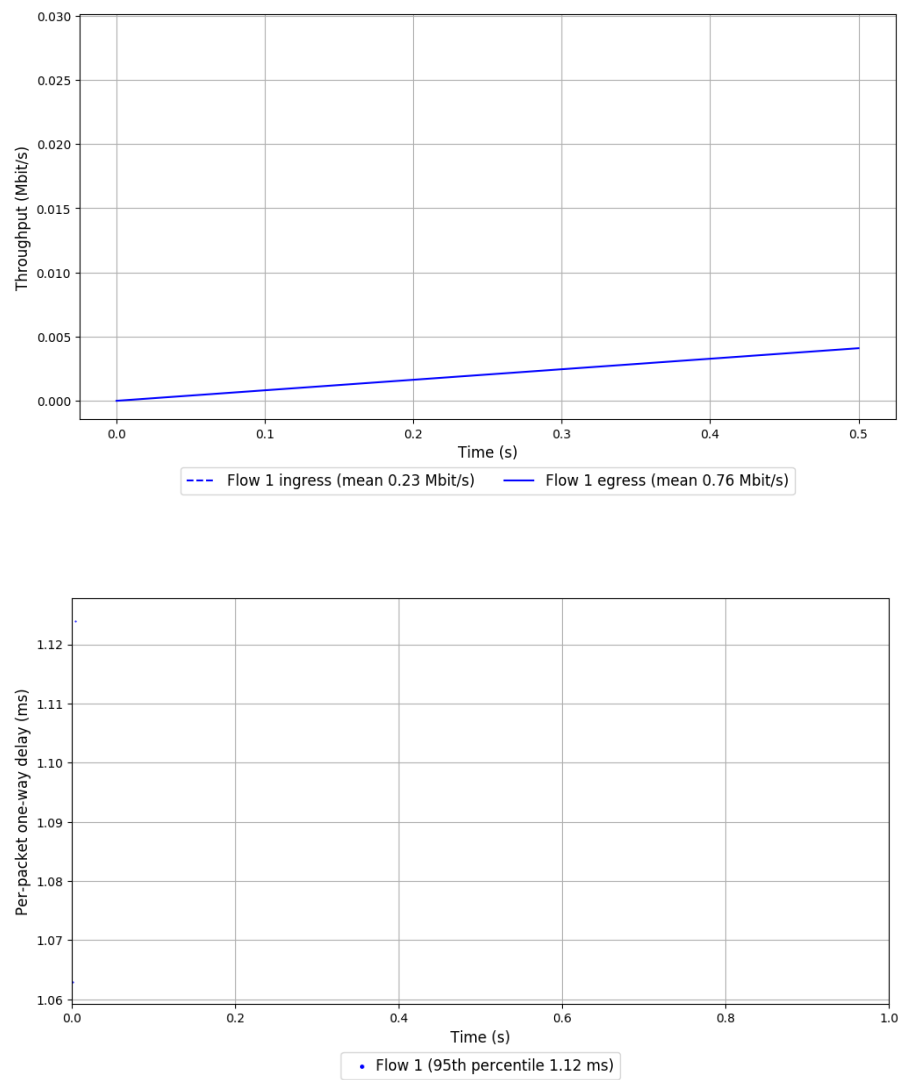
Start at: 2019-06-27 20:33:03

End at: 2019-06-27 20:33:33

Local clock offset: -3.194 ms

Remote clock offset: 0.355 ms

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

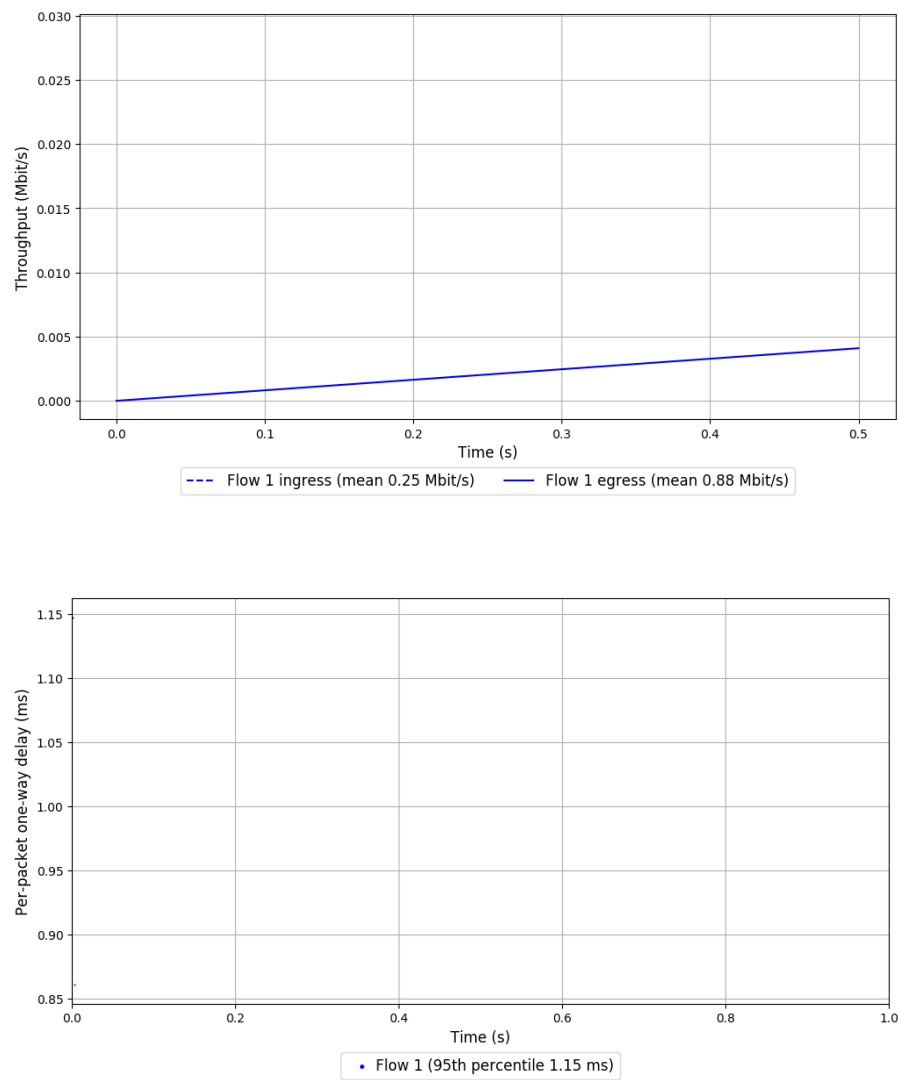
Start at: 2019-06-27 21:03:39

End at: 2019-06-27 21:04:09

Local clock offset: -5.487 ms

Remote clock offset: -1.969 ms

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

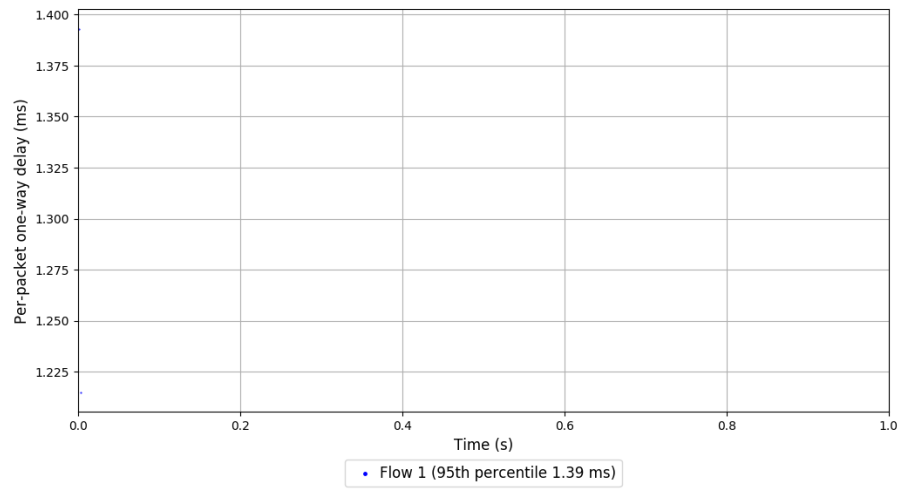
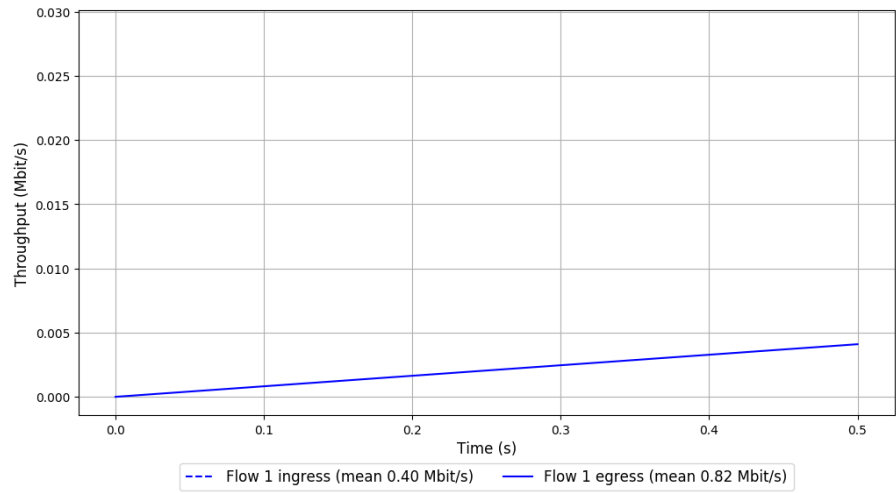
Start at: 2019-06-27 21:34:08

End at: 2019-06-27 21:34:38

Local clock offset: 3.48 ms

Remote clock offset: -3.407 ms

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-06-27 19:28:00

End at: 2019-06-27 19:28:30

Local clock offset: 1.075 ms

Remote clock offset: -2.678 ms

Below is generated by plot.py at 2019-06-27 22:31:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.24 Mbit/s

95th percentile per-packet one-way delay: 0.715 ms

Loss rate: 0.00%

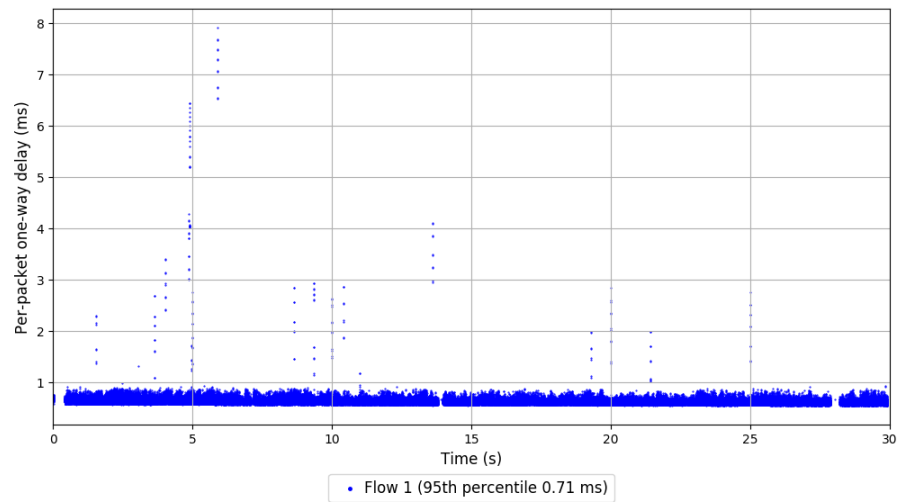
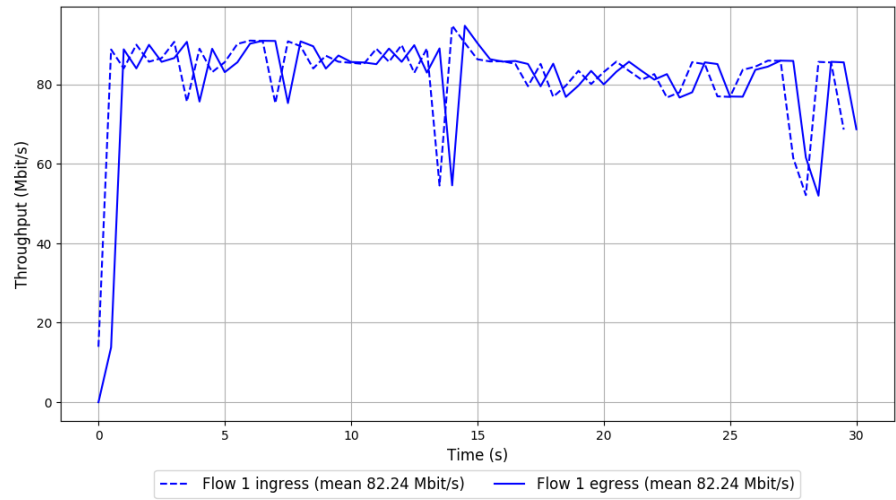
-- Flow 1:

Average throughput: 82.24 Mbit/s

95th percentile per-packet one-way delay: 0.715 ms

Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-06-27 19:58:43

End at: 2019-06-27 19:59:13

Local clock offset: -0.232 ms

Remote clock offset: -0.499 ms

Below is generated by plot.py at 2019-06-27 22:31:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.37 Mbit/s

95th percentile per-packet one-way delay: 0.847 ms

Loss rate: 0.01%

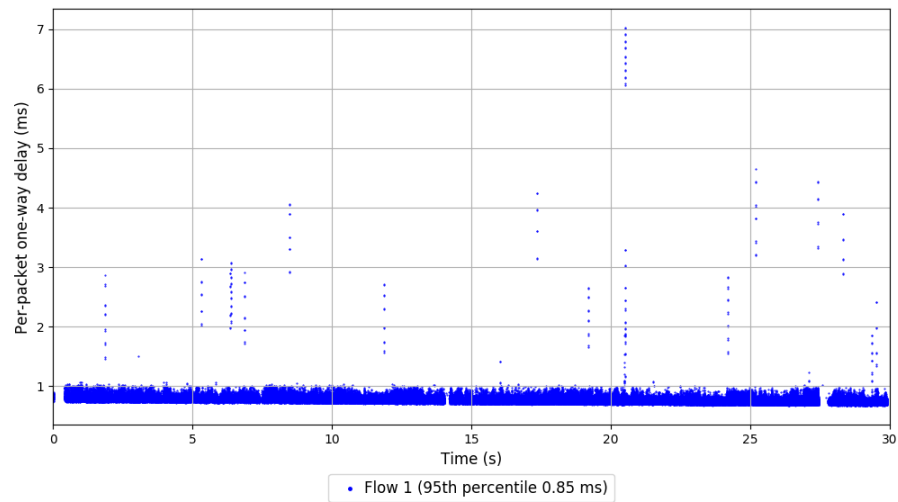
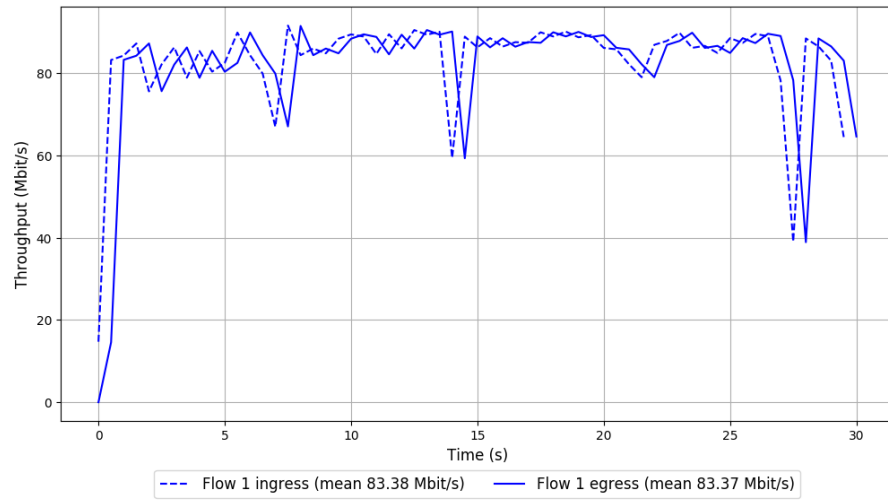
-- Flow 1:

Average throughput: 83.37 Mbit/s

95th percentile per-packet one-way delay: 0.847 ms

Loss rate: 0.01%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-06-27 20:29:02

End at: 2019-06-27 20:29:33

Local clock offset: -2.699 ms

Remote clock offset: 0.367 ms

Below is generated by plot.py at 2019-06-27 22:31:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.63 Mbit/s

95th percentile per-packet one-way delay: 0.747 ms

Loss rate: 0.00%

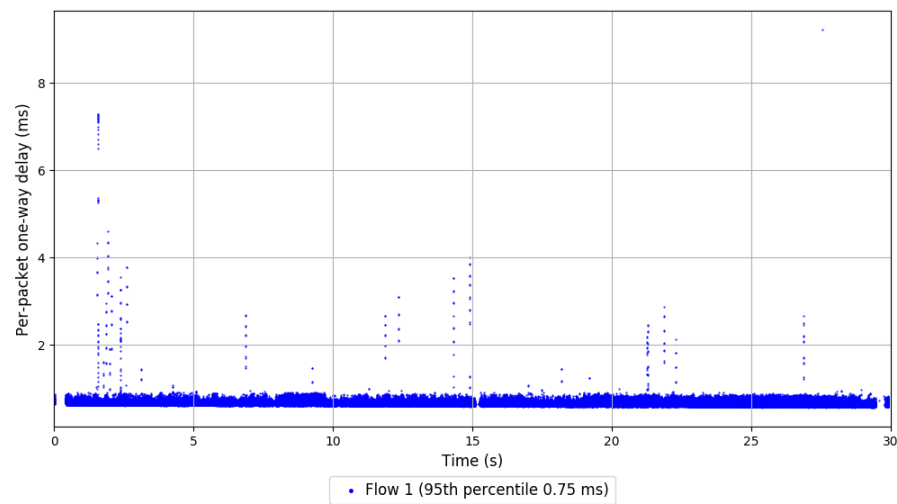
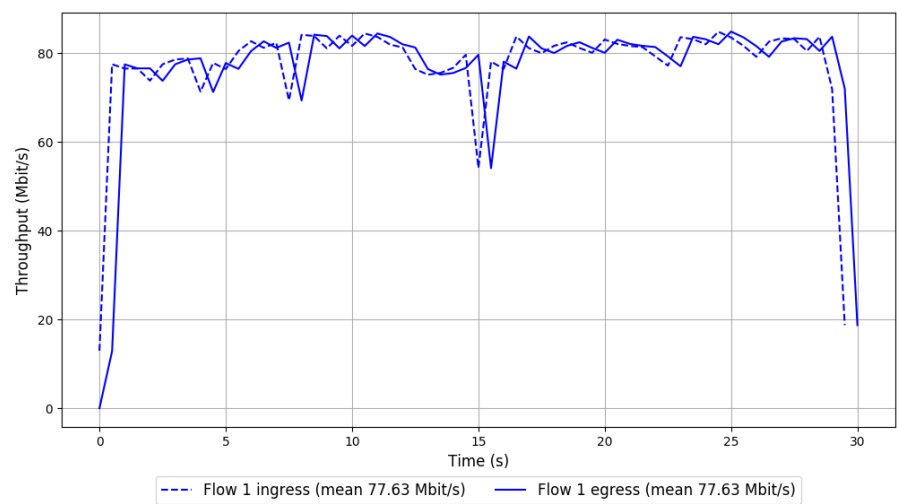
-- Flow 1:

Average throughput: 77.63 Mbit/s

95th percentile per-packet one-way delay: 0.747 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link

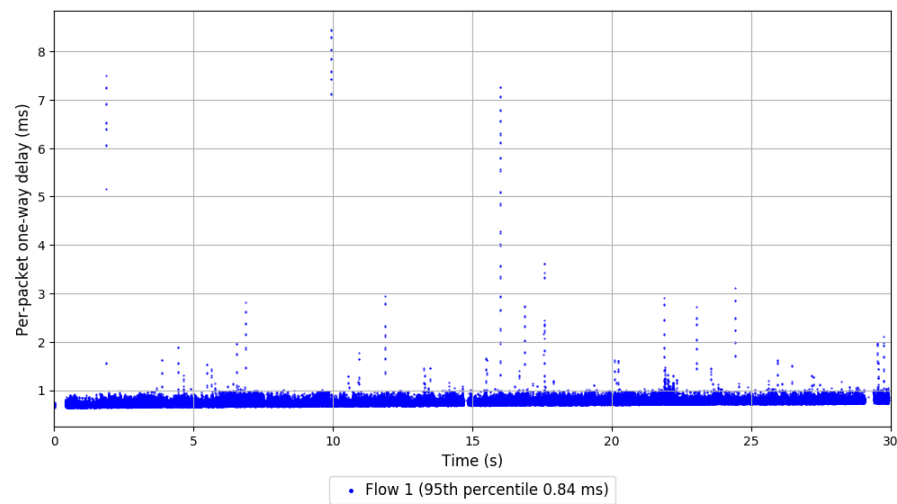
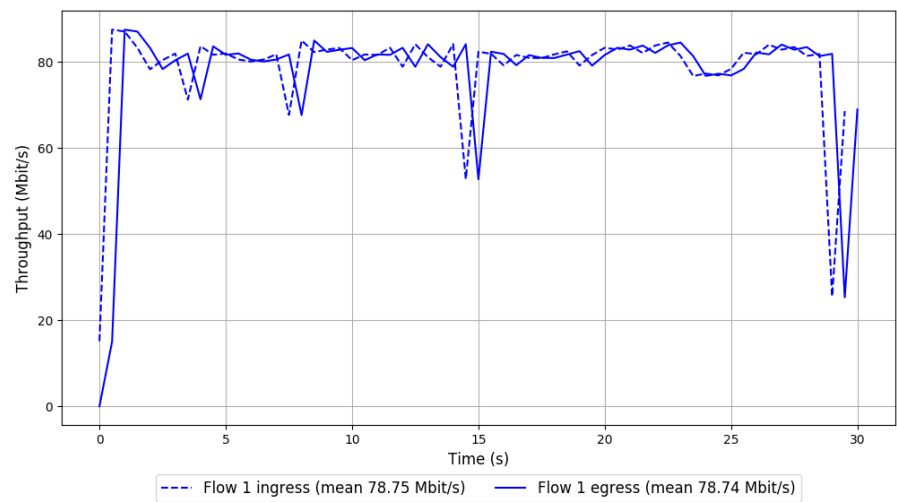


Run 4: Statistics of QUIC Cubic

Start at: 2019-06-27 20:59:40
End at: 2019-06-27 21:00:10
Local clock offset: -5.246 ms
Remote clock offset: -1.275 ms

Below is generated by plot.py at 2019-06-27 22:31:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.74 Mbit/s
95th percentile per-packet one-way delay: 0.842 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 78.74 Mbit/s
95th percentile per-packet one-way delay: 0.842 ms
Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-06-27 21:30:09

End at: 2019-06-27 21:30:39

Local clock offset: 2.073 ms

Remote clock offset: -3.717 ms

Below is generated by plot.py at 2019-06-27 22:31:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.70 Mbit/s

95th percentile per-packet one-way delay: 1.305 ms

Loss rate: 0.00%

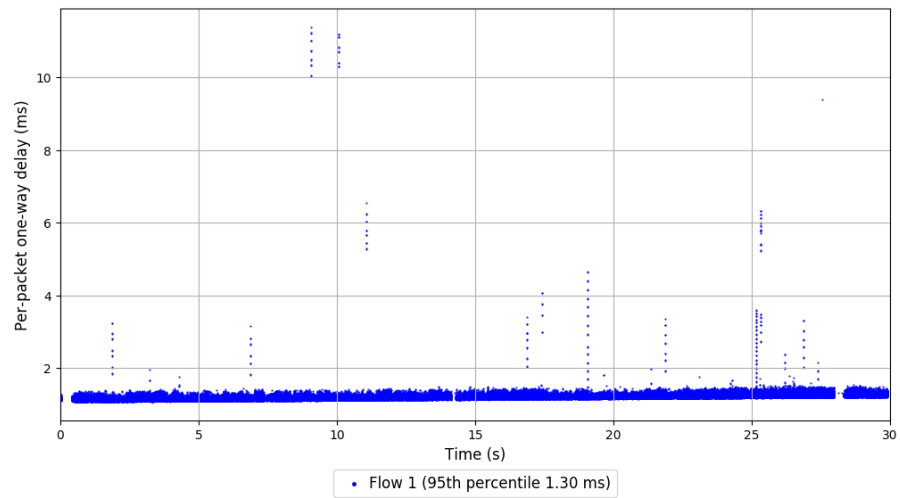
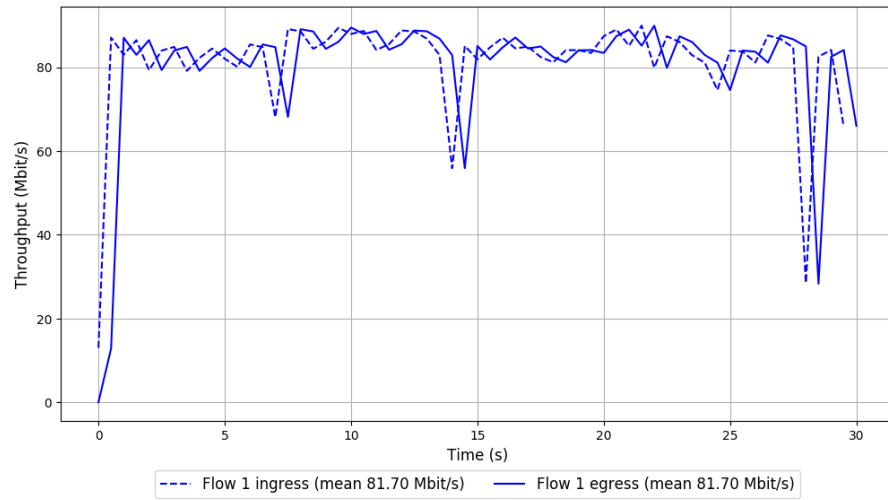
-- Flow 1:

Average throughput: 81.70 Mbit/s

95th percentile per-packet one-way delay: 1.305 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

Start at: 2019-06-27 19:26:47

End at: 2019-06-27 19:27:17

Local clock offset: 1.287 ms

Remote clock offset: -2.479 ms

Below is generated by plot.py at 2019-06-27 22:31:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.140 ms

Loss rate: 0.00%

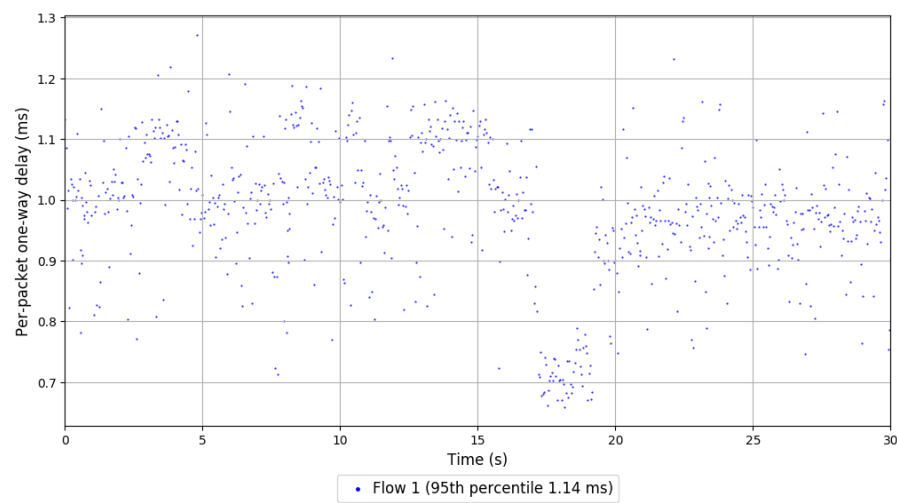
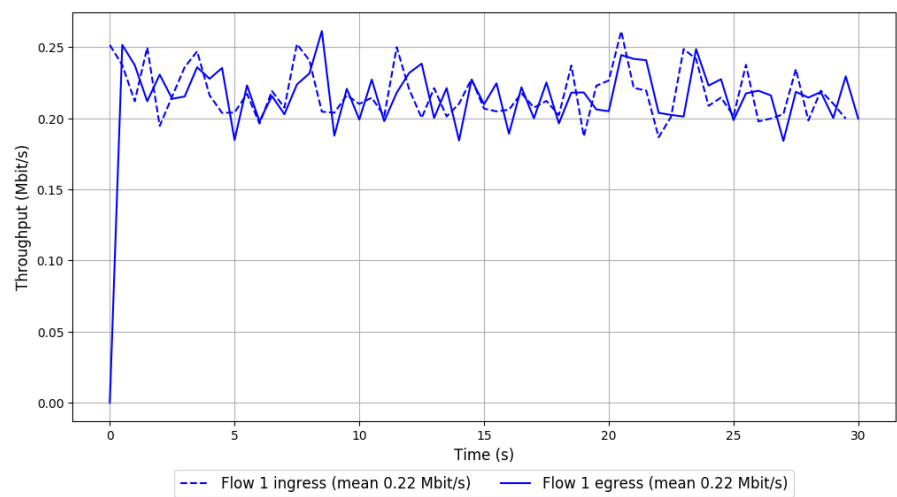
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.140 ms

Loss rate: 0.00%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2019-06-27 19:57:30

End at: 2019-06-27 19:58:00

Local clock offset: -0.211 ms

Remote clock offset: -0.7 ms

Below is generated by plot.py at 2019-06-27 22:31:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.154 ms

Loss rate: 0.00%

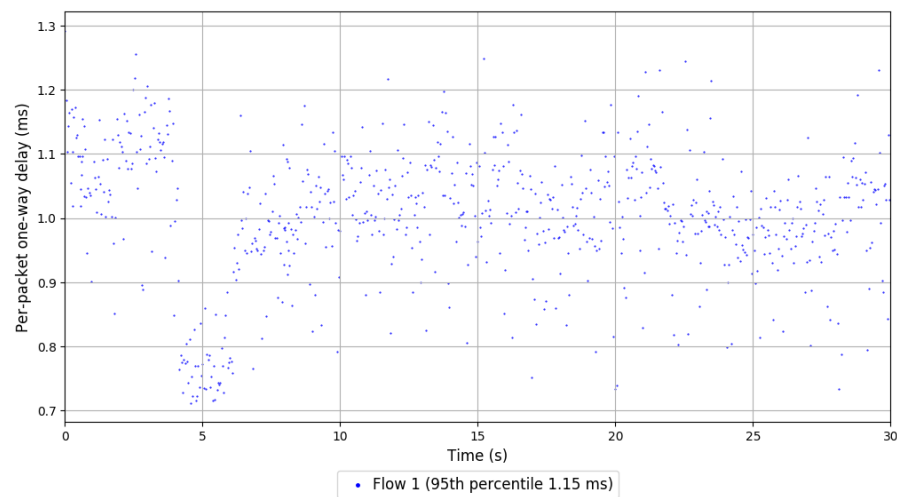
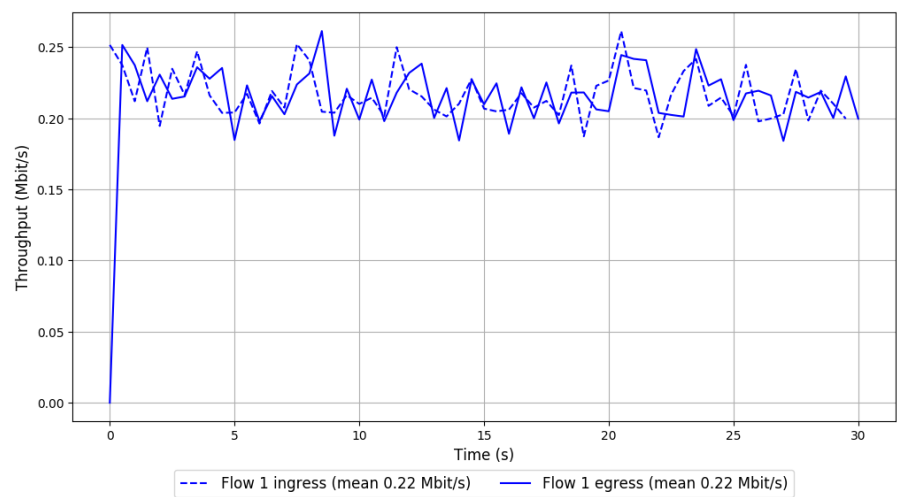
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.154 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2019-06-27 20:27:49

End at: 2019-06-27 20:28:19

Local clock offset: -2.553 ms

Remote clock offset: 0.437 ms

Below is generated by plot.py at 2019-06-27 22:31:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.119 ms

Loss rate: 0.00%

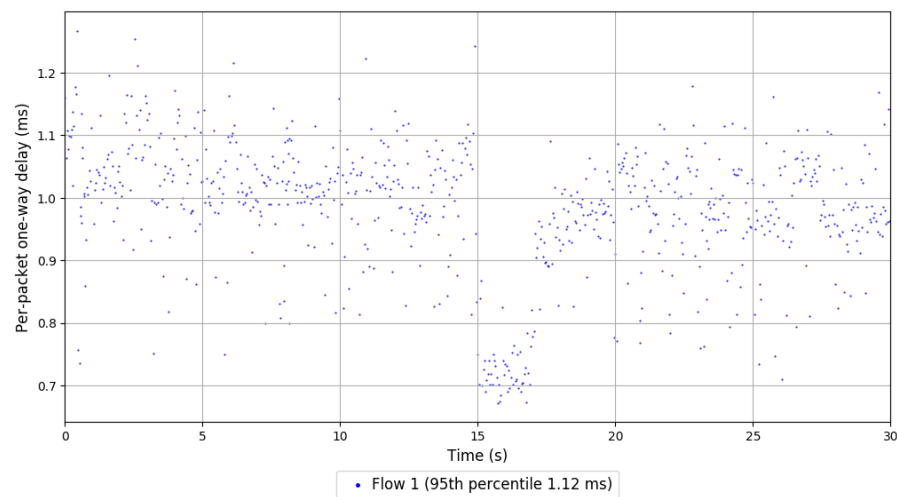
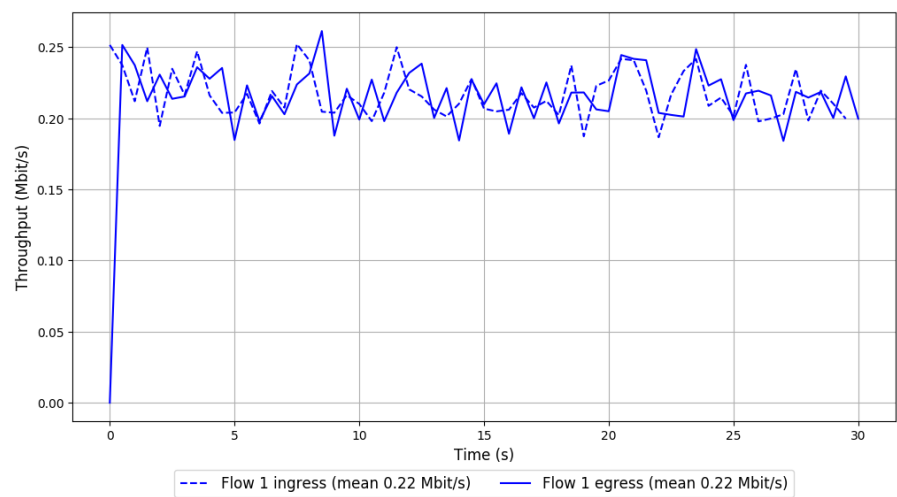
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.119 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

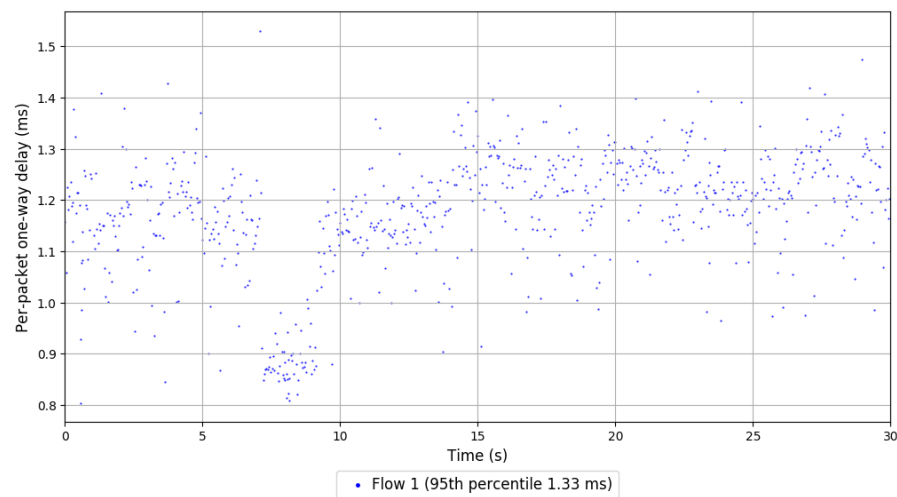
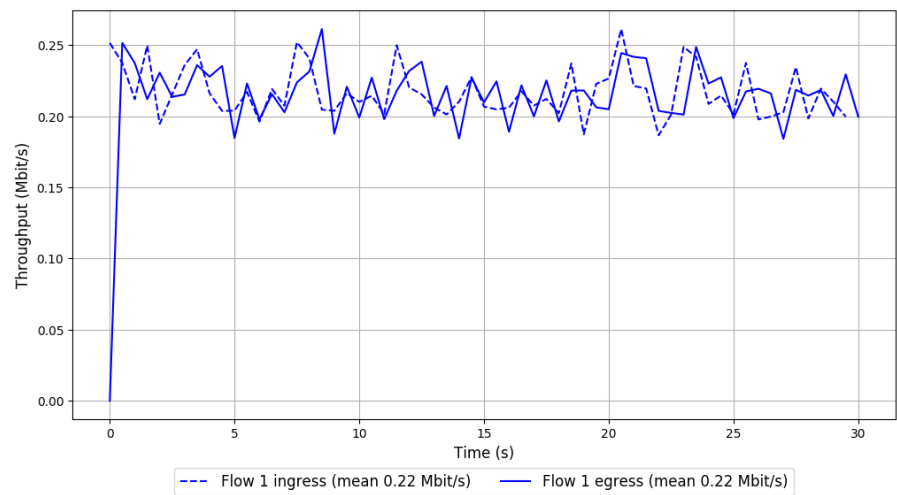


Run 4: Statistics of SCReAM

Start at: 2019-06-27 20:58:27
End at: 2019-06-27 20:58:57
Local clock offset: -5.179 ms
Remote clock offset: -0.844 ms

Below is generated by plot.py at 2019-06-27 22:31:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.334 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.334 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

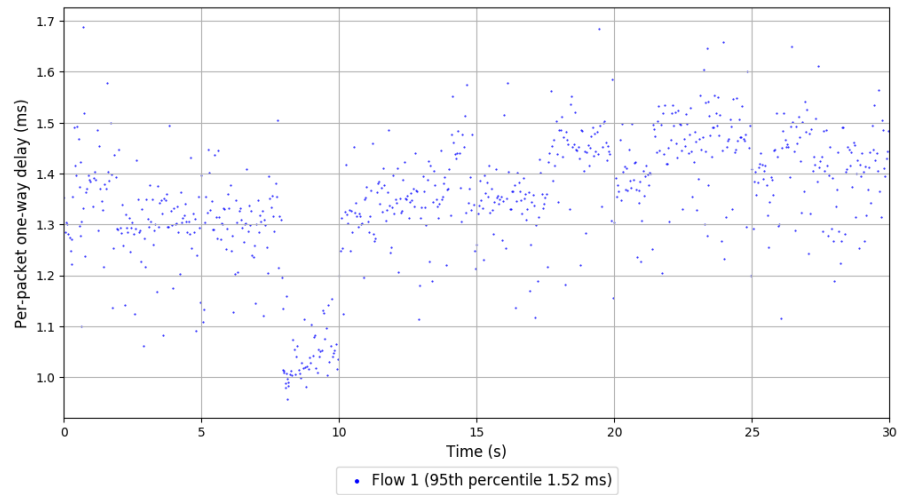
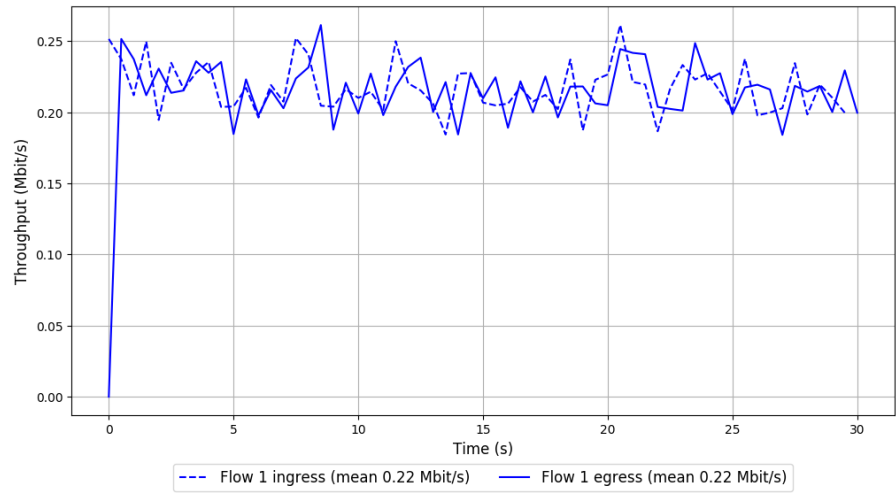


Run 5: Statistics of SCReAM

Start at: 2019-06-27 21:28:56
End at: 2019-06-27 21:29:26
Local clock offset: 1.644 ms
Remote clock offset: -3.937 ms

Below is generated by plot.py at 2019-06-27 22:31:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.519 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.519 ms
Loss rate: 0.00%

Run 5: Report of SCReAM — Data Link

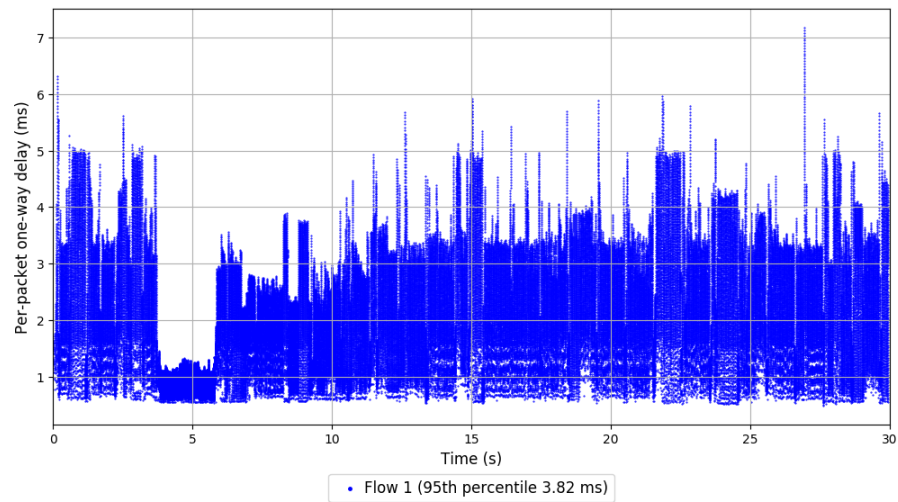
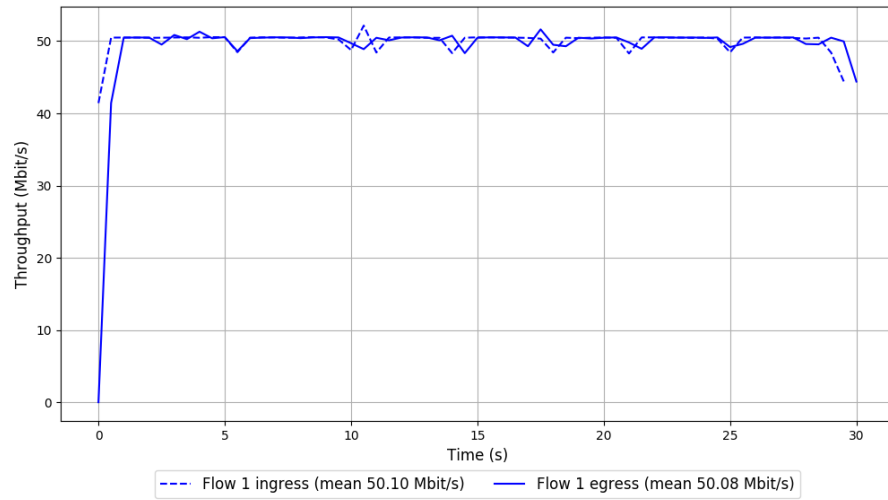


Run 1: Statistics of Sprout

Start at: 2019-06-27 19:20:00
End at: 2019-06-27 19:20:30
Local clock offset: 3.056 ms
Remote clock offset: -1.658 ms

Below is generated by plot.py at 2019-06-27 22:31:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.08 Mbit/s
95th percentile per-packet one-way delay: 3.818 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 50.08 Mbit/s
95th percentile per-packet one-way delay: 3.818 ms
Loss rate: 0.03%

Run 1: Report of Sprout — Data Link

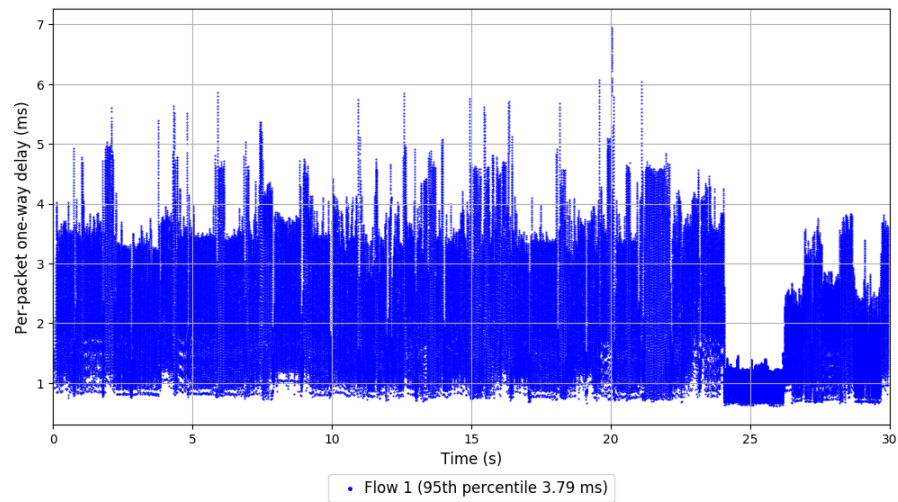
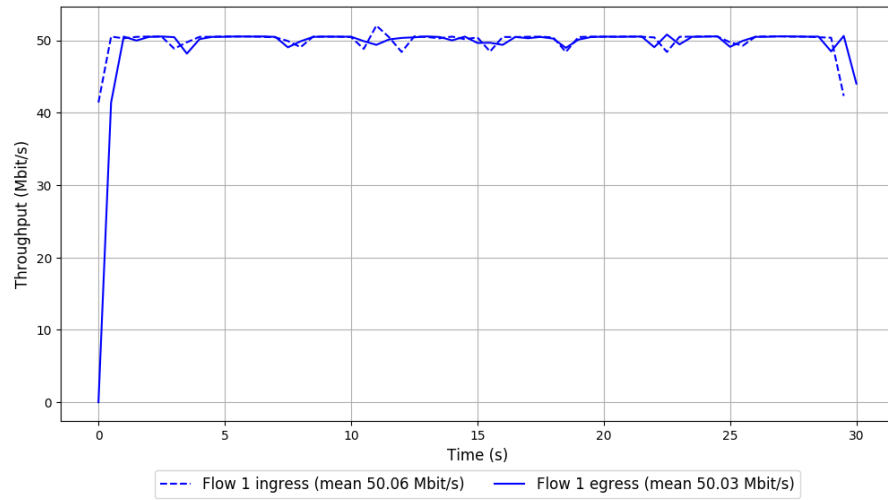


Run 2: Statistics of Sprout

Start at: 2019-06-27 19:50:40
End at: 2019-06-27 19:51:10
Local clock offset: -0.29 ms
Remote clock offset: -2.036 ms

Below is generated by plot.py at 2019-06-27 22:31:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.03 Mbit/s
95th percentile per-packet one-way delay: 3.790 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 50.03 Mbit/s
95th percentile per-packet one-way delay: 3.790 ms
Loss rate: 0.05%

Run 2: Report of Sprout — Data Link

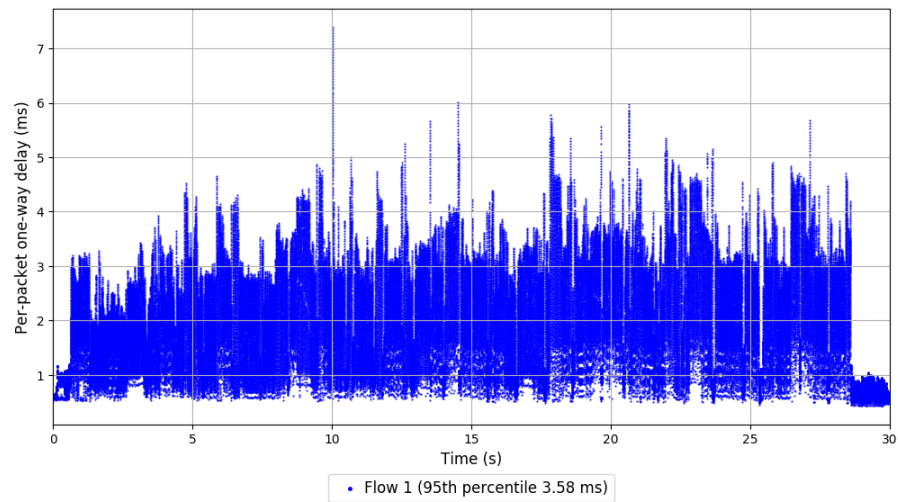
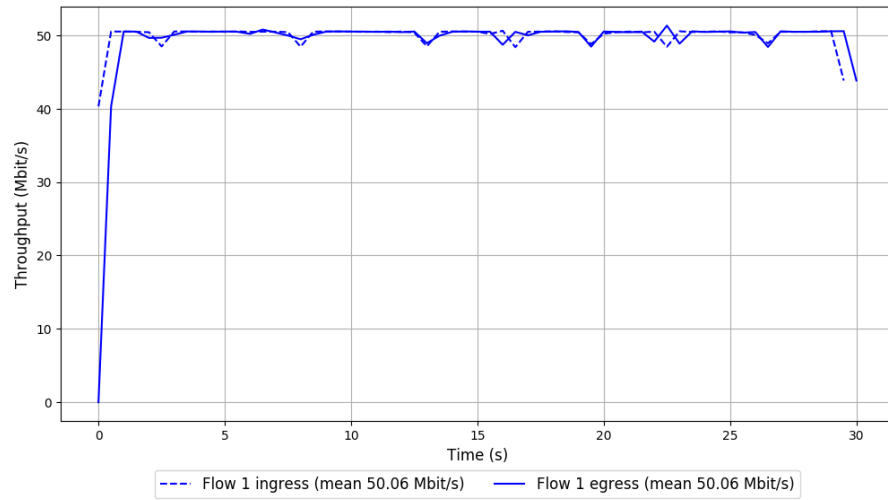


Run 3: Statistics of Sprout

Start at: 2019-06-27 20:21:05
End at: 2019-06-27 20:21:35
Local clock offset: -1.193 ms
Remote clock offset: 0.717 ms

Below is generated by plot.py at 2019-06-27 22:31:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.06 Mbit/s
95th percentile per-packet one-way delay: 3.578 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.06 Mbit/s
95th percentile per-packet one-way delay: 3.578 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

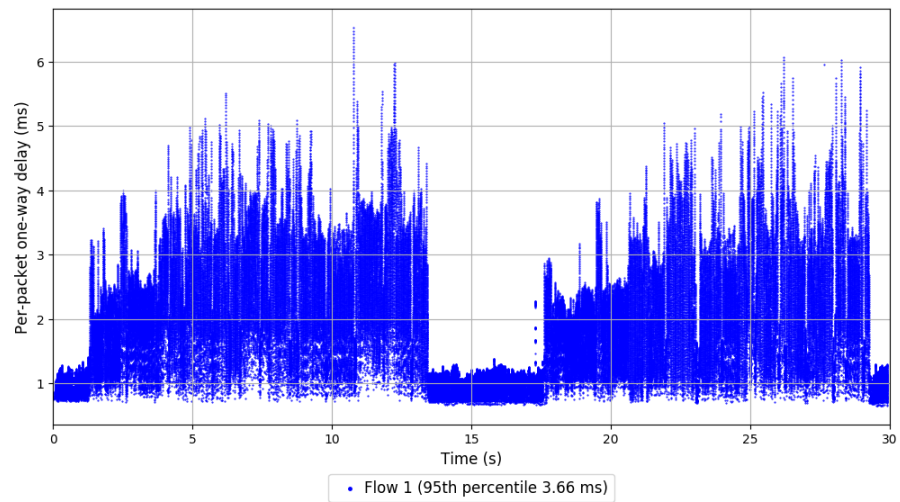
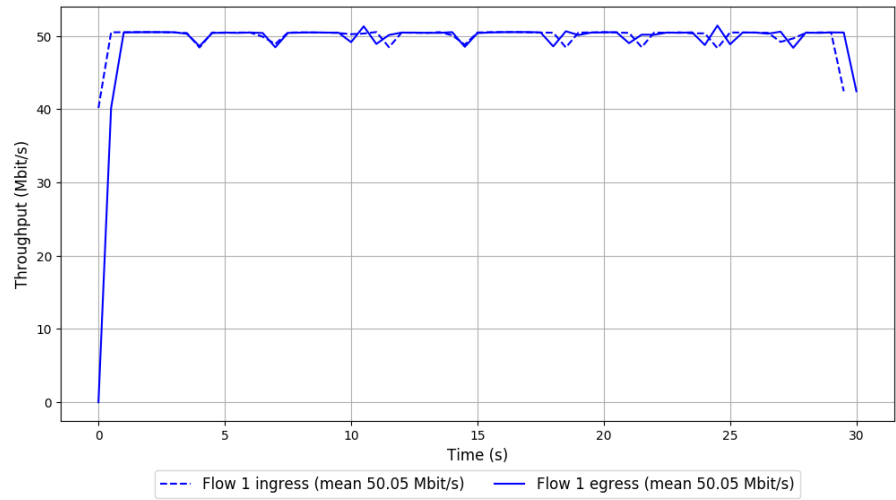


Run 4: Statistics of Sprout

Start at: 2019-06-27 20:51:35
End at: 2019-06-27 20:52:05
Local clock offset: -4.725 ms
Remote clock offset: 0.266 ms

Below is generated by plot.py at 2019-06-27 22:31:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.05 Mbit/s
95th percentile per-packet one-way delay: 3.658 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.05 Mbit/s
95th percentile per-packet one-way delay: 3.658 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

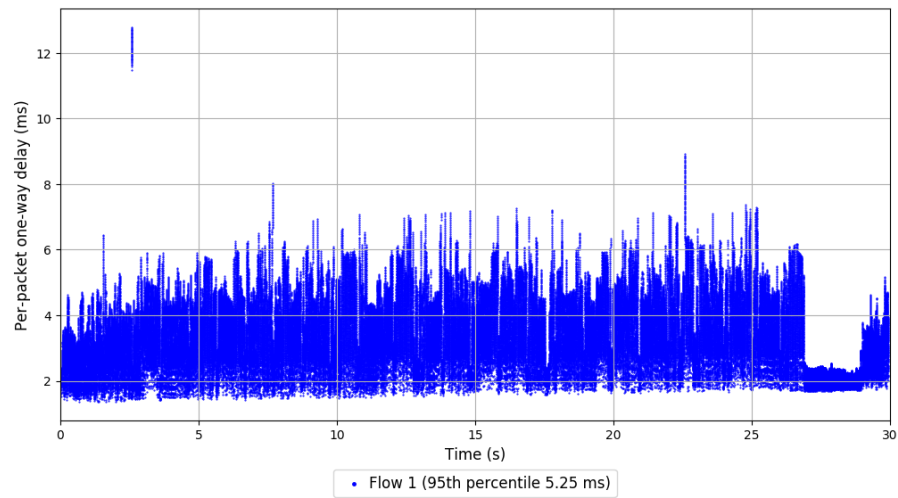
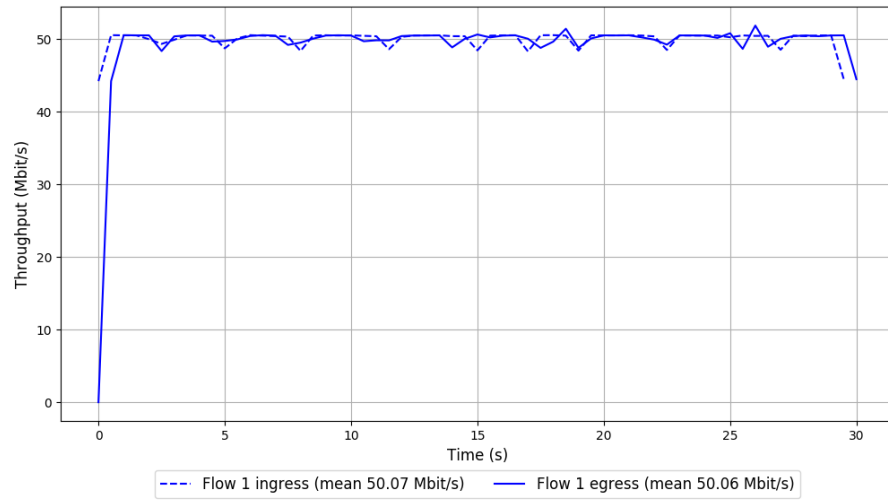


Run 5: Statistics of Sprout

Start at: 2019-06-27 21:22:07
End at: 2019-06-27 21:22:37
Local clock offset: -2.618 ms
Remote clock offset: -3.569 ms

Below is generated by plot.py at 2019-06-27 22:31:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.06 Mbit/s
95th percentile per-packet one-way delay: 5.249 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 50.06 Mbit/s
95th percentile per-packet one-way delay: 5.249 ms
Loss rate: 0.02%

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

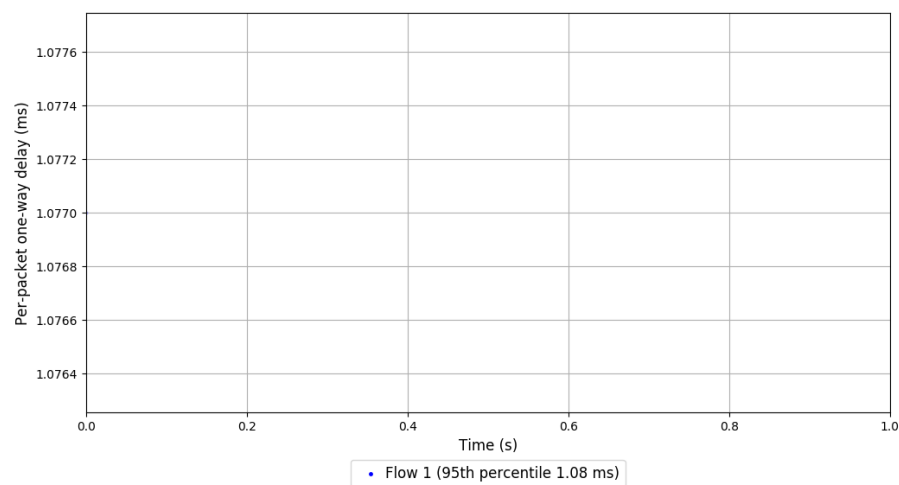
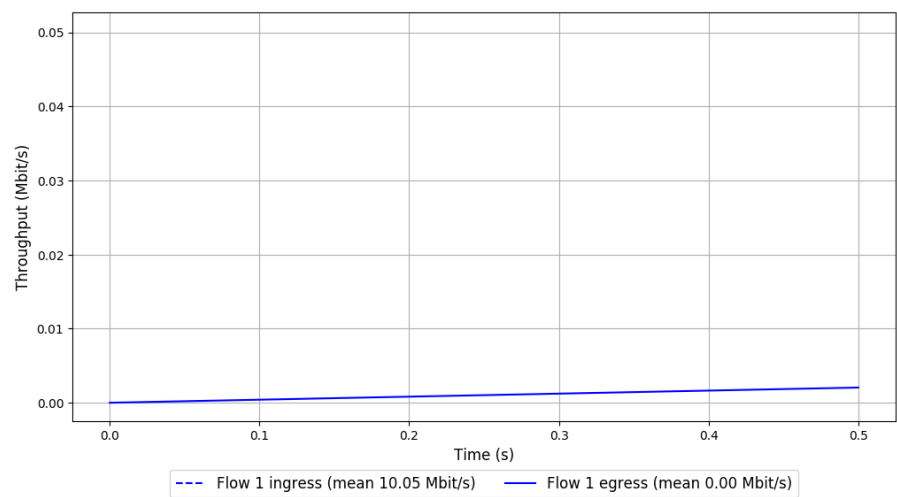
Start at: 2019-06-27 19:13:11

End at: 2019-06-27 19:13:41

Local clock offset: 3.457 ms

Remote clock offset: -0.102 ms

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



Run 2: Statistics of TaoVA-100x

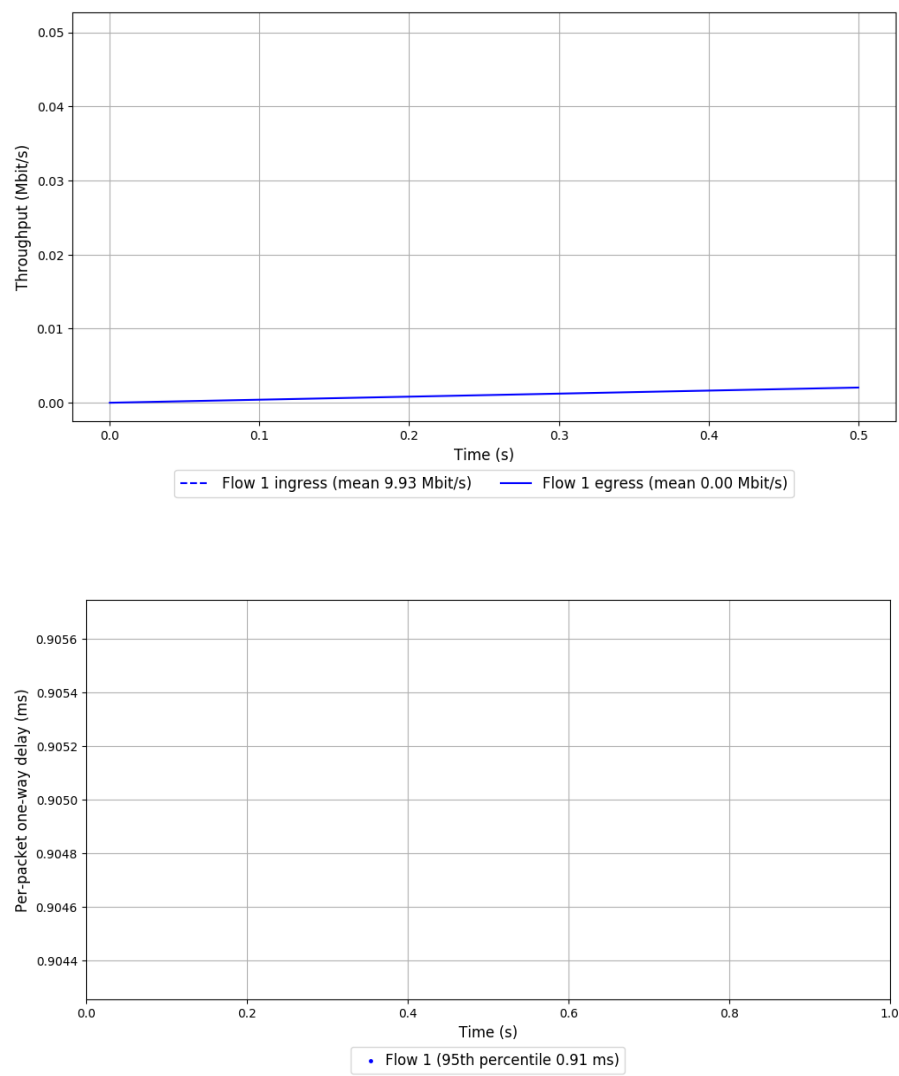
Start at: 2019-06-27 19:43:39

End at: 2019-06-27 19:44:09

Local clock offset: -0.165 ms

Remote clock offset: -3.49 ms

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



Run 3: Statistics of TaoVA-100x

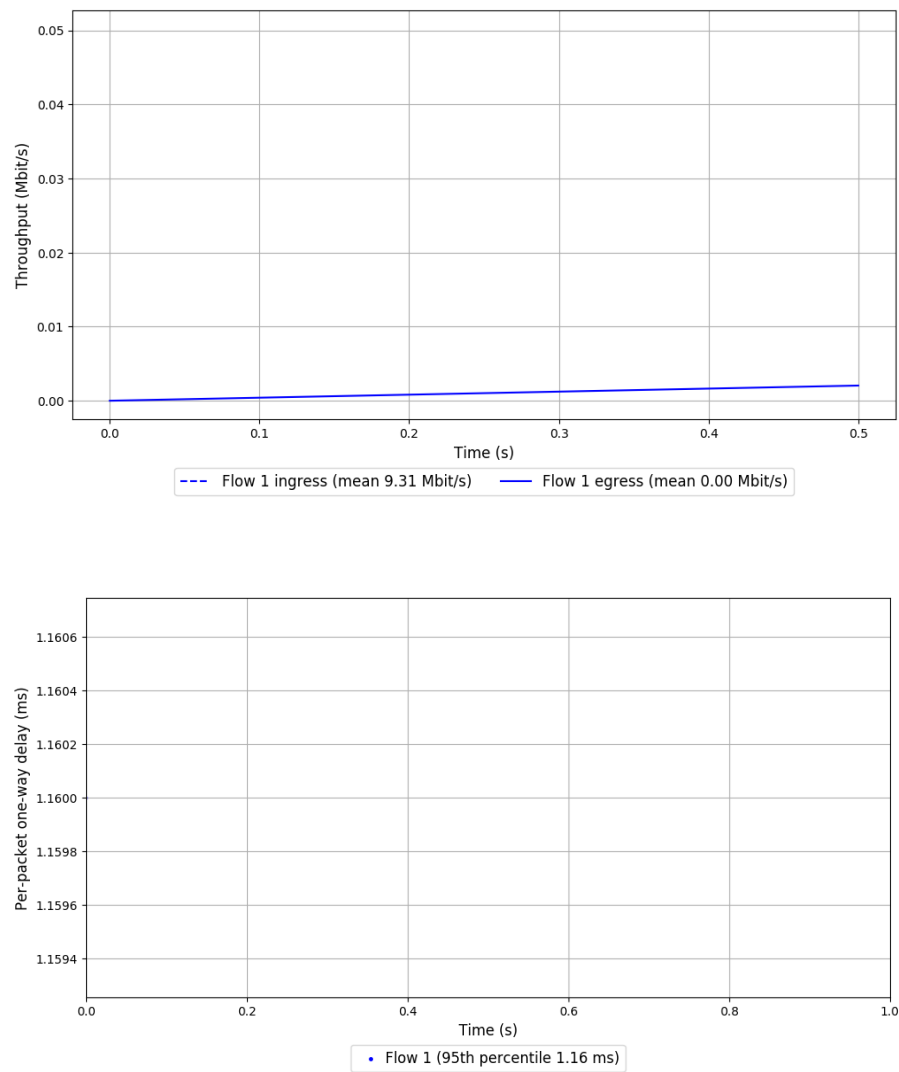
Start at: 2019-06-27 20:14:23

End at: 2019-06-27 20:14:53

Local clock offset: -0.337 ms

Remote clock offset: 0.659 ms

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



Run 4: Statistics of TaoVA-100x

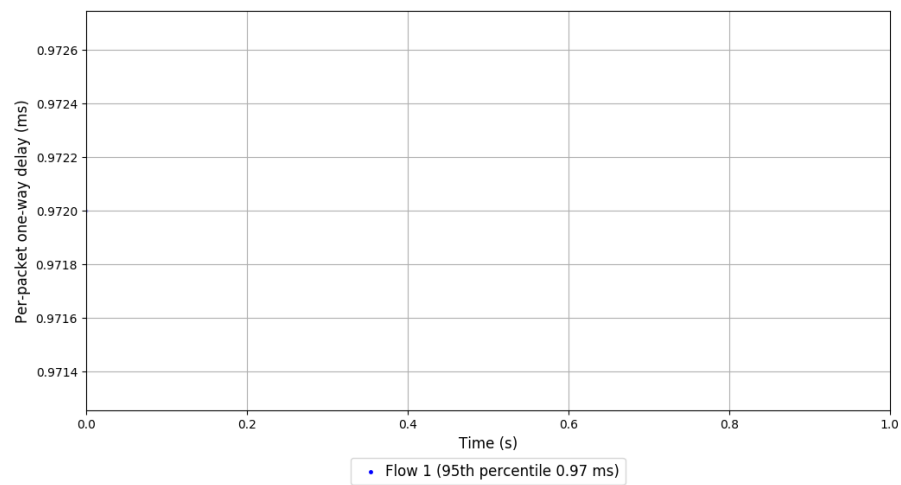
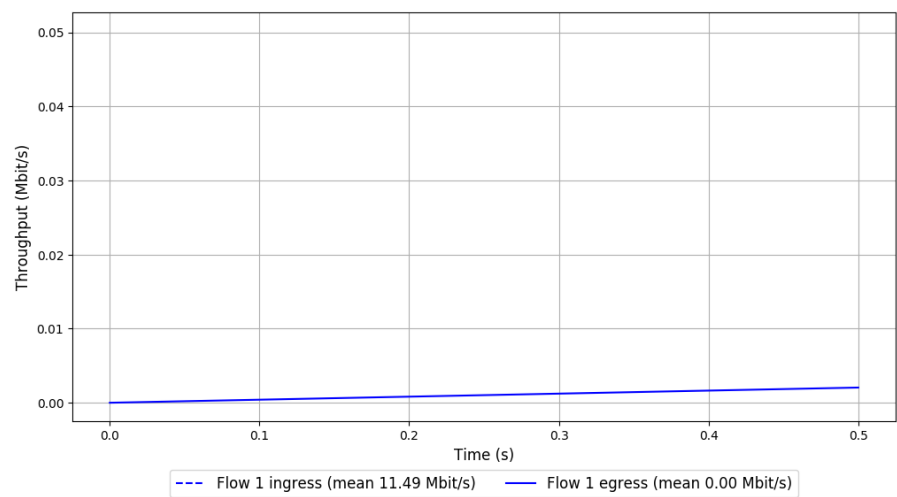
Start at: 2019-06-27 20:44:47

End at: 2019-06-27 20:45:17

Local clock offset: -4.184 ms

Remote clock offset: 0.305 ms

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



Run 5: Statistics of TaoVA-100x

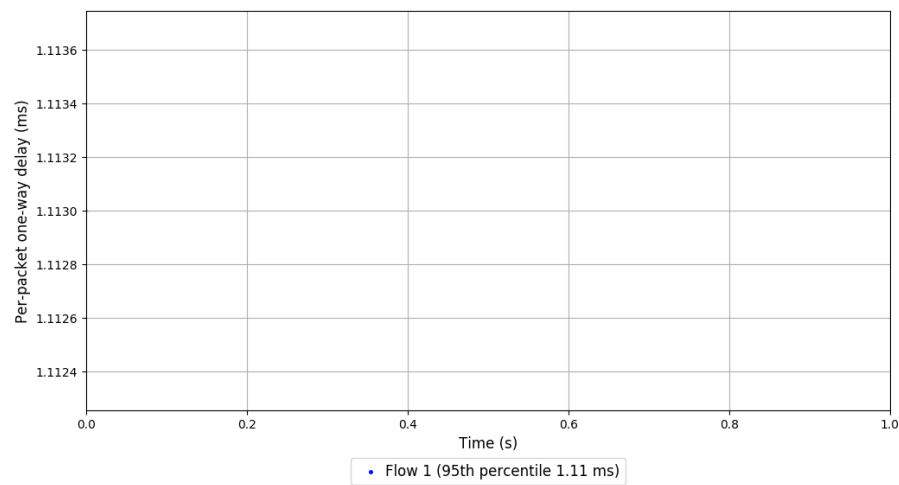
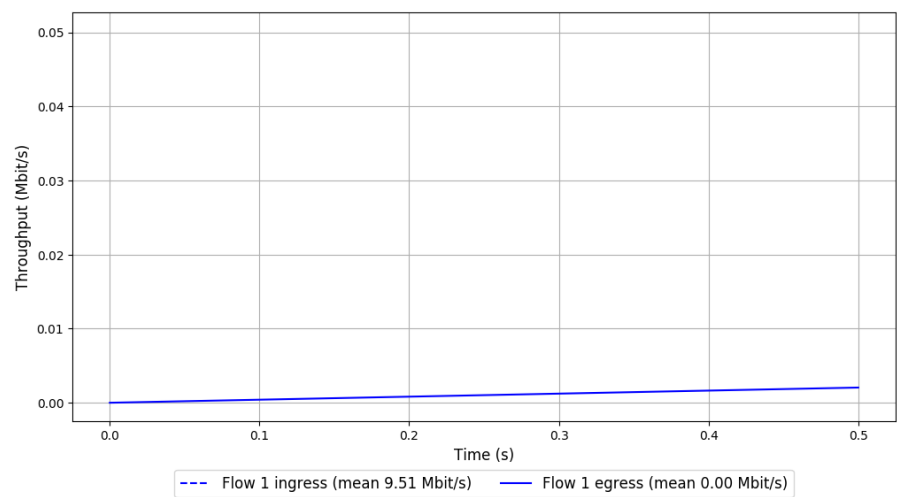
Start at: 2019-06-27 21:15:24

End at: 2019-06-27 21:15:54

Local clock offset: -6.197 ms

Remote clock offset: -3.163 ms

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



Run 1: Statistics of TCP Vegas

Start at: 2019-06-27 19:06:01

End at: 2019-06-27 19:06:31

Local clock offset: 3.017 ms

Remote clock offset: 0.091 ms

Below is generated by plot.py at 2019-06-27 22:31:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 127.67 Mbit/s

95th percentile per-packet one-way delay: 1.242 ms

Loss rate: 0.00%

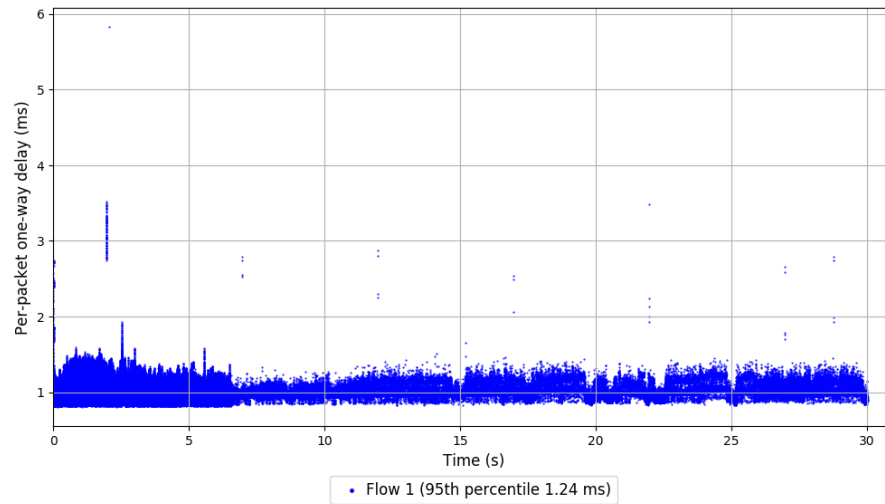
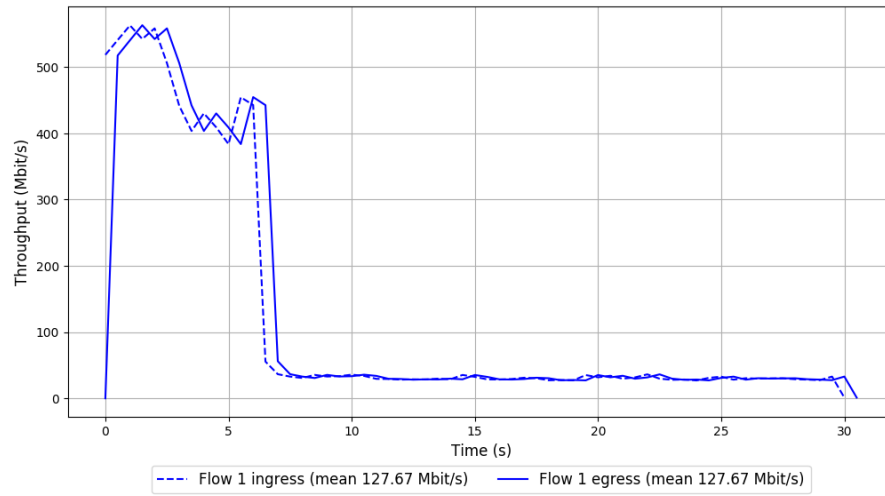
-- Flow 1:

Average throughput: 127.67 Mbit/s

95th percentile per-packet one-way delay: 1.242 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2019-06-27 19:36:22

End at: 2019-06-27 19:36:52

Local clock offset: 0.206 ms

Remote clock offset: -3.17 ms

Below is generated by plot.py at 2019-06-27 22:31:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.23 Mbit/s

95th percentile per-packet one-way delay: 1.108 ms

Loss rate: 0.00%

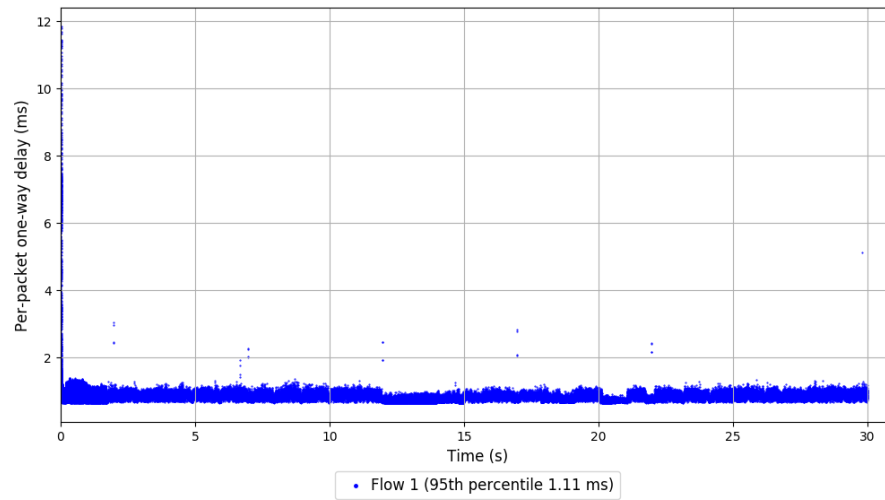
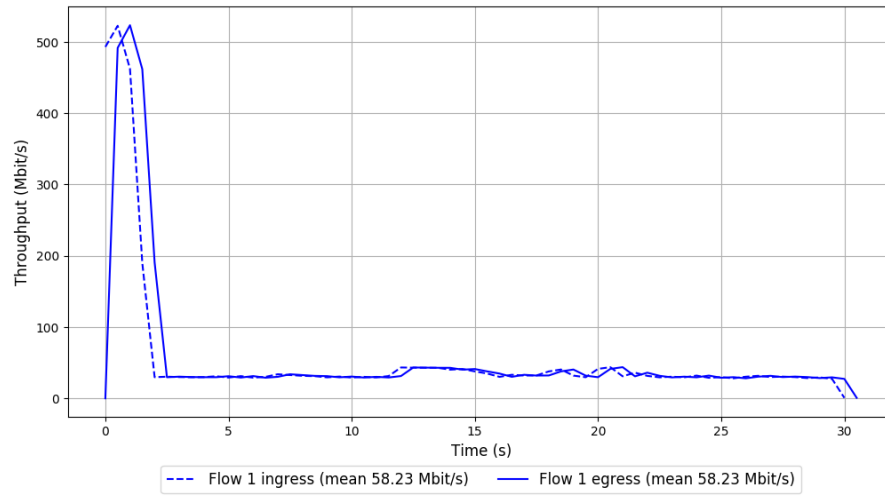
-- Flow 1:

Average throughput: 58.23 Mbit/s

95th percentile per-packet one-way delay: 1.108 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2019-06-27 20:07:10

End at: 2019-06-27 20:07:40

Local clock offset: -0.214 ms

Remote clock offset: 0.232 ms

Below is generated by plot.py at 2019-06-27 22:31:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.98 Mbit/s

95th percentile per-packet one-way delay: 1.113 ms

Loss rate: 0.00%

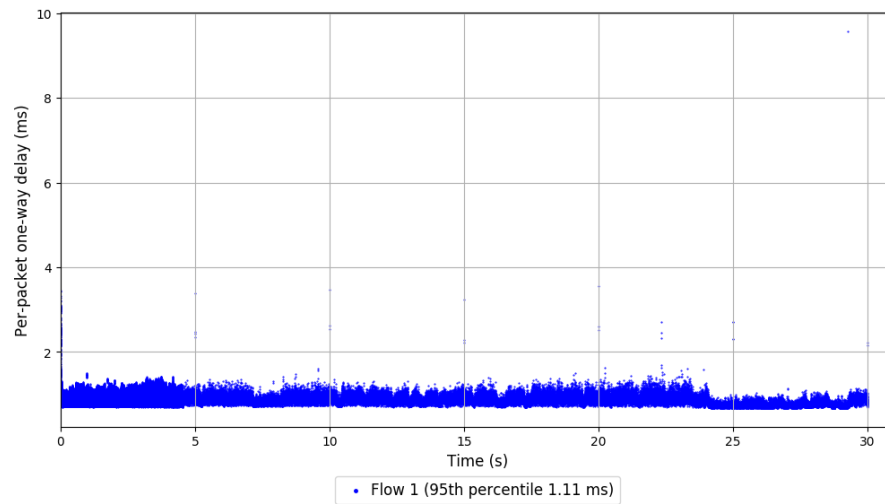
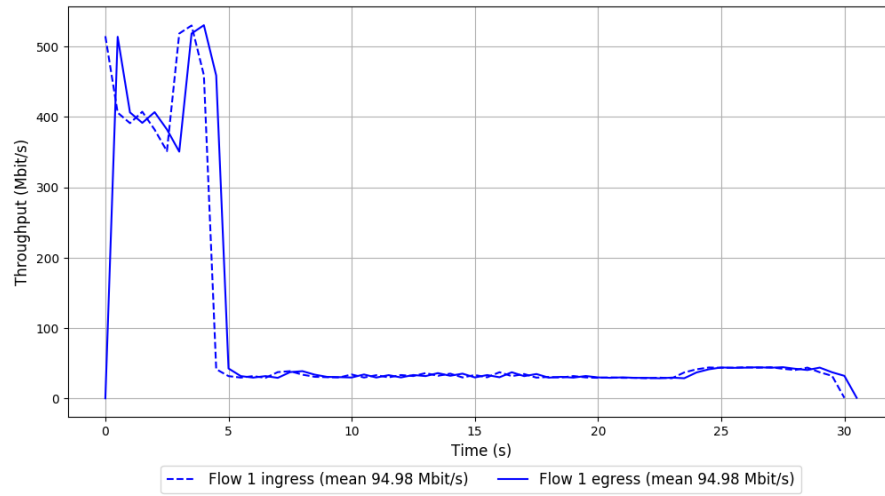
-- Flow 1:

Average throughput: 94.98 Mbit/s

95th percentile per-packet one-way delay: 1.113 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2019-06-27 20:37:31

End at: 2019-06-27 20:38:01

Local clock offset: -3.632 ms

Remote clock offset: 0.338 ms

Below is generated by plot.py at 2019-06-27 22:31:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.14 Mbit/s

95th percentile per-packet one-way delay: 1.189 ms

Loss rate: 0.00%

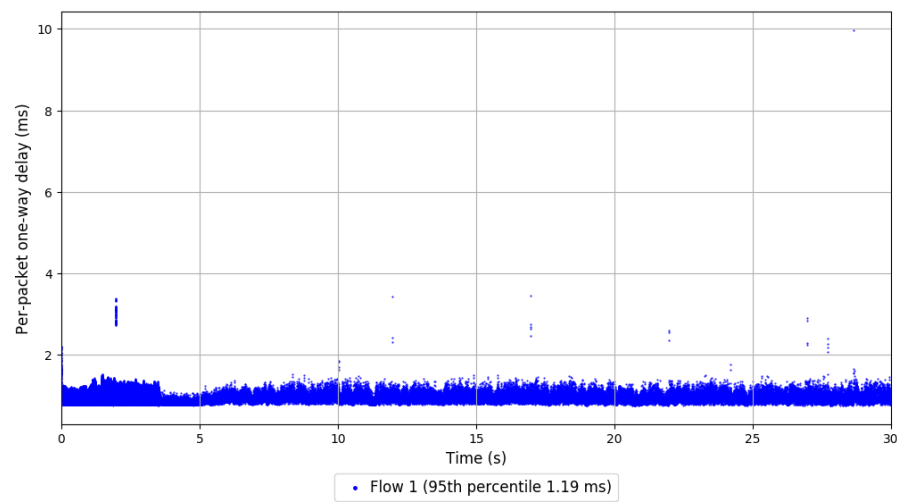
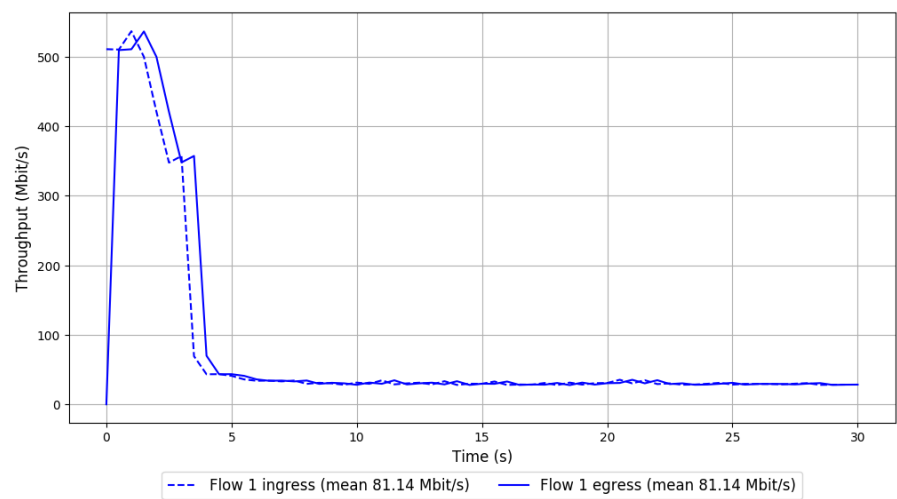
-- Flow 1:

Average throughput: 81.14 Mbit/s

95th percentile per-packet one-way delay: 1.189 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2019-06-27 21:08:05

End at: 2019-06-27 21:08:35

Local clock offset: -5.75 ms

Remote clock offset: -2.6 ms

Below is generated by plot.py at 2019-06-27 22:31:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 322.20 Mbit/s

95th percentile per-packet one-way delay: 1.169 ms

Loss rate: 0.00%

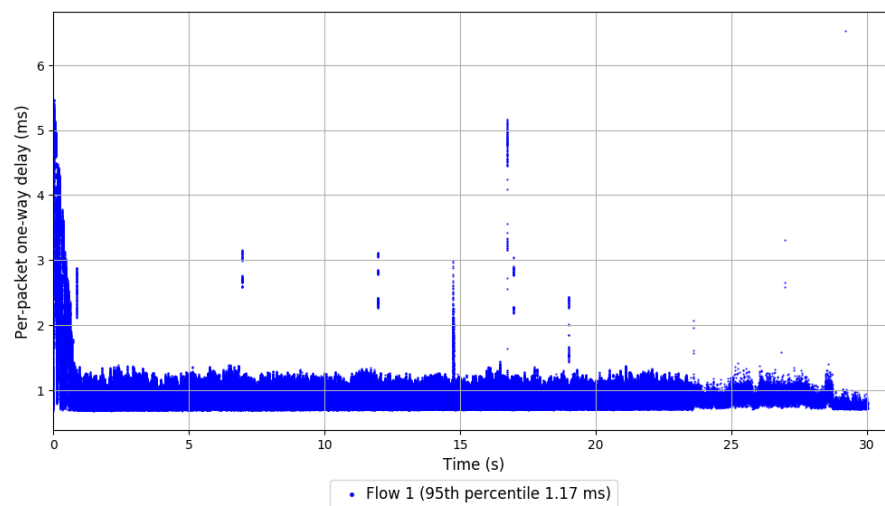
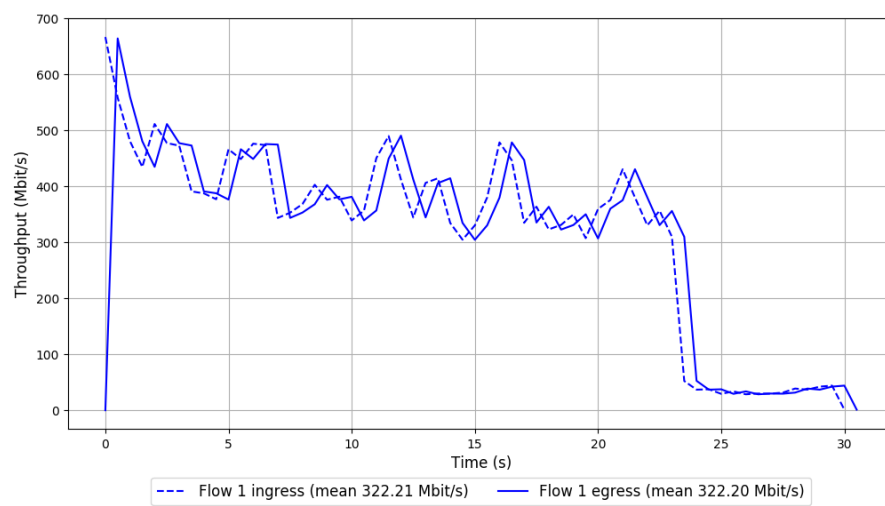
-- Flow 1:

Average throughput: 322.20 Mbit/s

95th percentile per-packet one-way delay: 1.169 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2019-06-27 19:09:00

End at: 2019-06-27 19:09:30

Local clock offset: 3.206 ms

Remote clock offset: 0.164 ms

Below is generated by plot.py at 2019-06-27 22:31:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 282.44 Mbit/s

95th percentile per-packet one-way delay: 4.853 ms

Loss rate: 0.64%

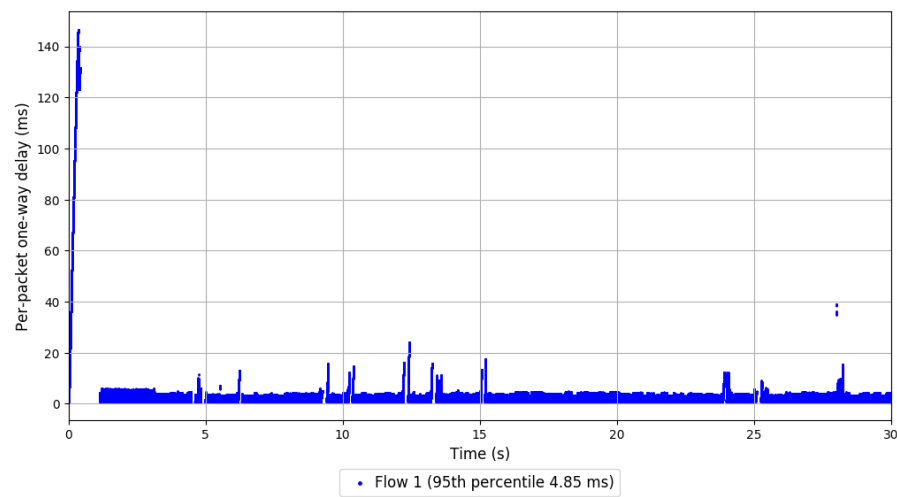
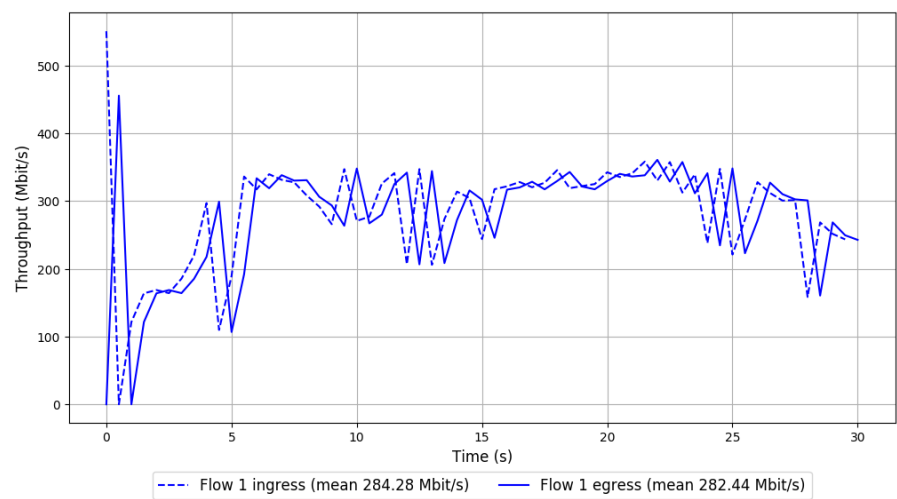
-- Flow 1:

Average throughput: 282.44 Mbit/s

95th percentile per-packet one-way delay: 4.853 ms

Loss rate: 0.64%

Run 1: Report of Verus — Data Link

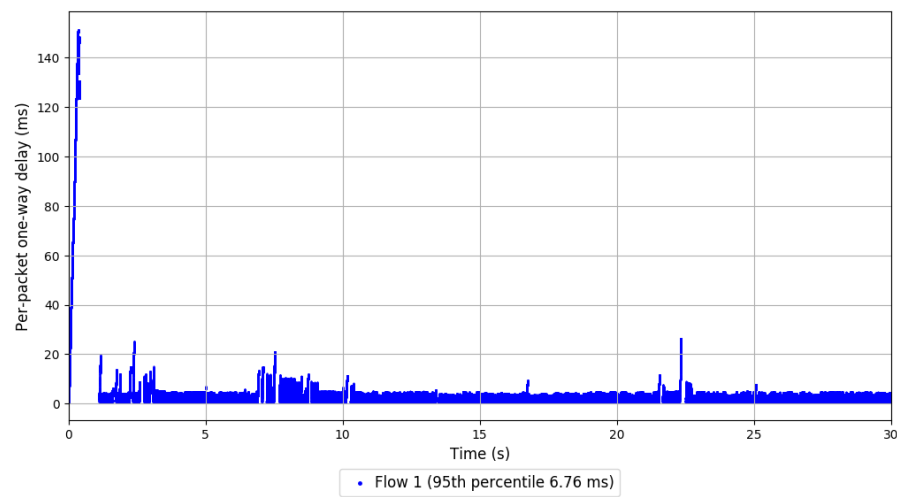
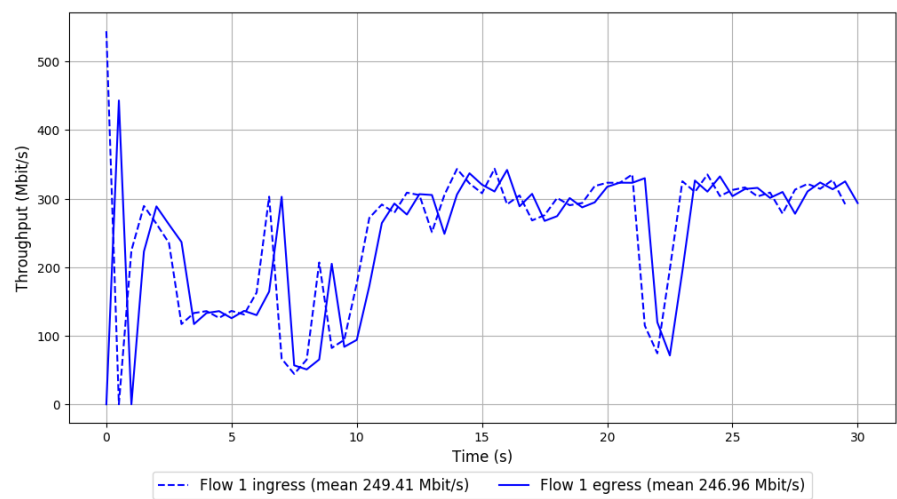


Run 2: Statistics of Verus

Start at: 2019-06-27 19:39:17
End at: 2019-06-27 19:39:47
Local clock offset: 0.027 ms
Remote clock offset: -3.225 ms

Below is generated by plot.py at 2019-06-27 22:31:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 246.96 Mbit/s
95th percentile per-packet one-way delay: 6.759 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 246.96 Mbit/s
95th percentile per-packet one-way delay: 6.759 ms
Loss rate: 0.98%

Run 2: Report of Verus — Data Link

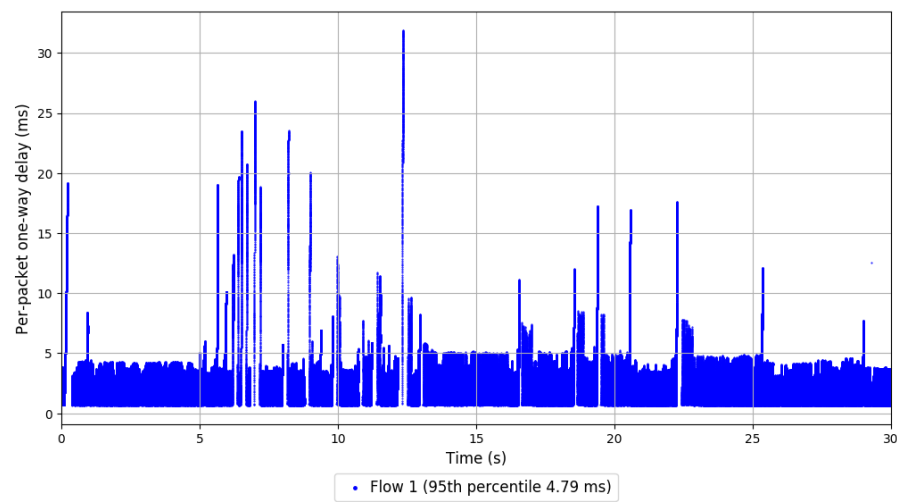
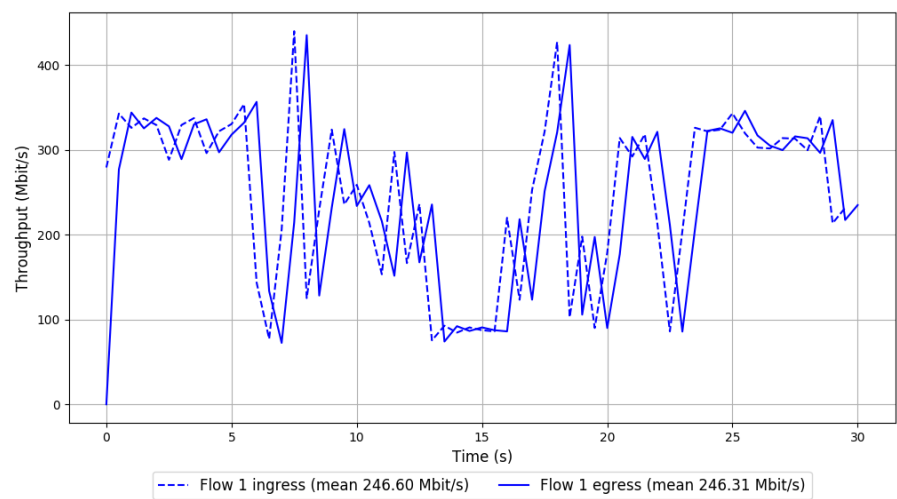


Run 3: Statistics of Verus

Start at: 2019-06-27 20:10:05
End at: 2019-06-27 20:10:35
Local clock offset: -0.226 ms
Remote clock offset: 0.381 ms

Below is generated by plot.py at 2019-06-27 22:31:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 246.31 Mbit/s
95th percentile per-packet one-way delay: 4.790 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 246.31 Mbit/s
95th percentile per-packet one-way delay: 4.790 ms
Loss rate: 0.11%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2019-06-27 20:40:26

End at: 2019-06-27 20:40:56

Local clock offset: -3.876 ms

Remote clock offset: 0.184 ms

Below is generated by plot.py at 2019-06-27 22:31:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 269.02 Mbit/s

95th percentile per-packet one-way delay: 4.250 ms

Loss rate: 0.44%

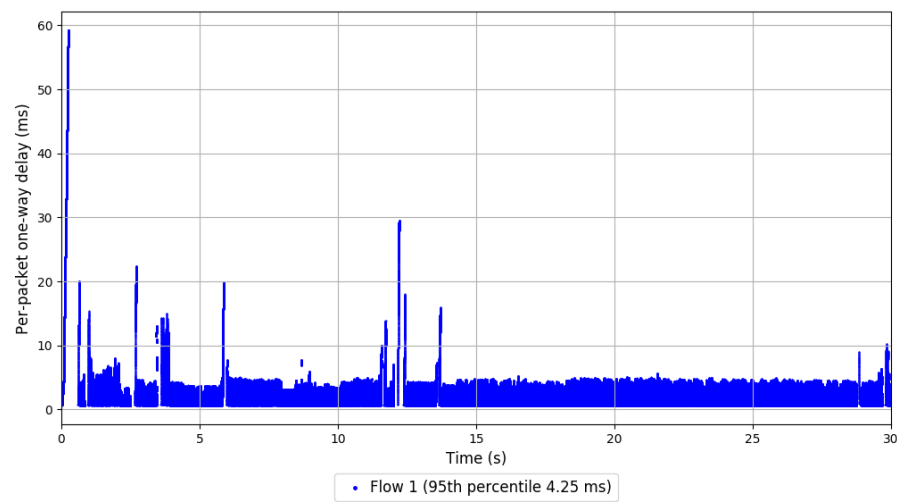
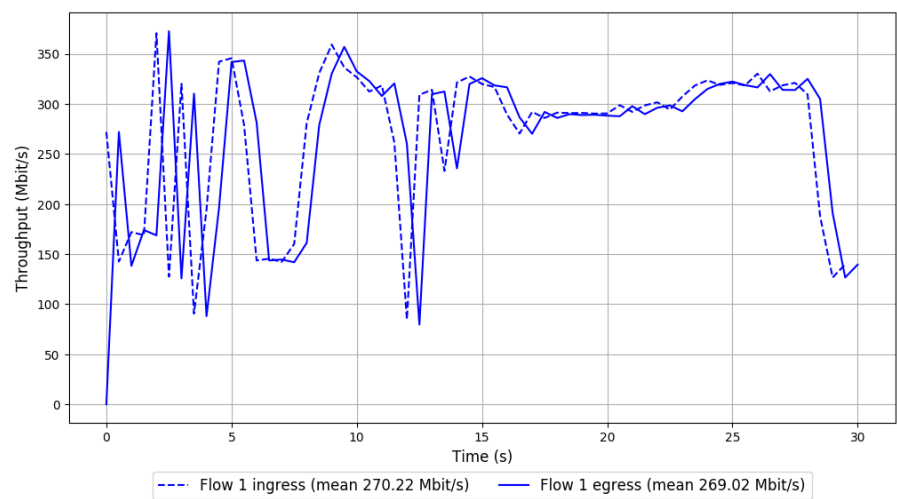
-- Flow 1:

Average throughput: 269.02 Mbit/s

95th percentile per-packet one-way delay: 4.250 ms

Loss rate: 0.44%

Run 4: Report of Verus — Data Link

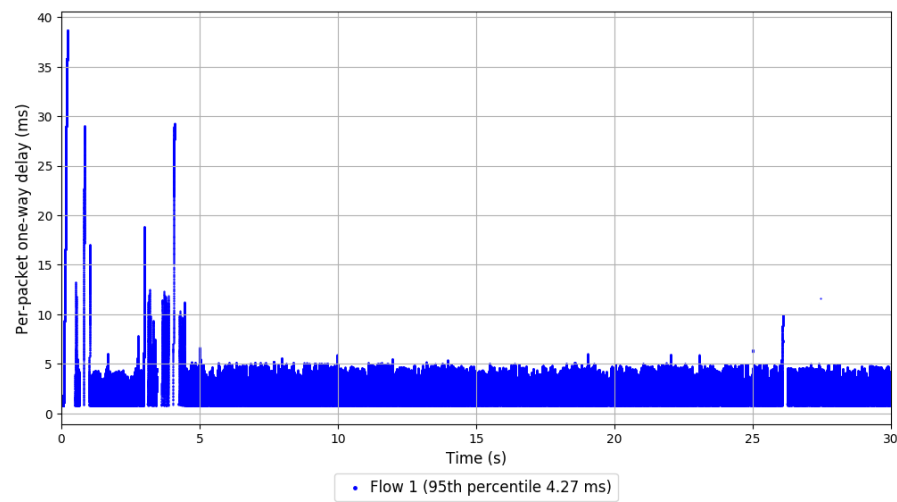
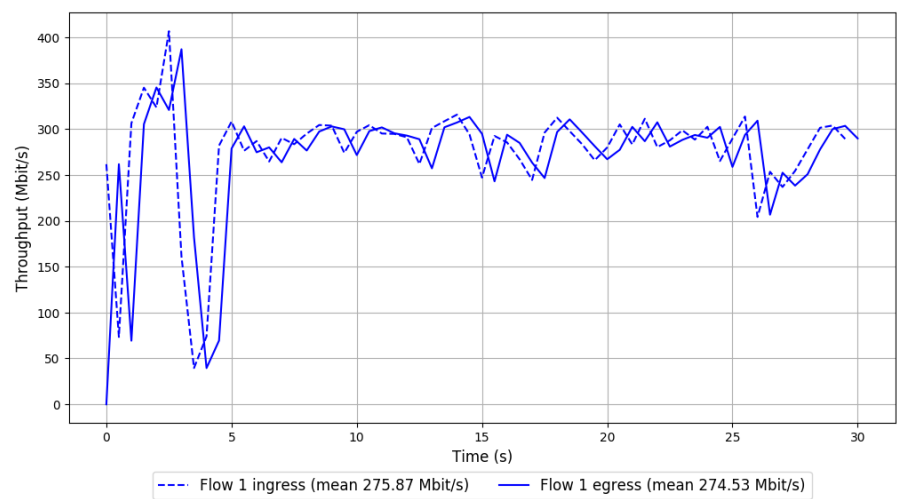


Run 5: Statistics of Verus

Start at: 2019-06-27 21:11:08
End at: 2019-06-27 21:11:38
Local clock offset: -5.962 ms
Remote clock offset: -2.835 ms

Below is generated by plot.py at 2019-06-27 22:32:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 274.53 Mbit/s
95th percentile per-packet one-way delay: 4.273 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 274.53 Mbit/s
95th percentile per-packet one-way delay: 4.273 ms
Loss rate: 0.48%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-06-27 19:11:45

End at: 2019-06-27 19:12:15

Local clock offset: 3.354 ms

Remote clock offset: 0.247 ms

Below is generated by plot.py at 2019-06-27 22:33:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 273.97 Mbit/s

95th percentile per-packet one-way delay: 1.049 ms

Loss rate: 0.00%

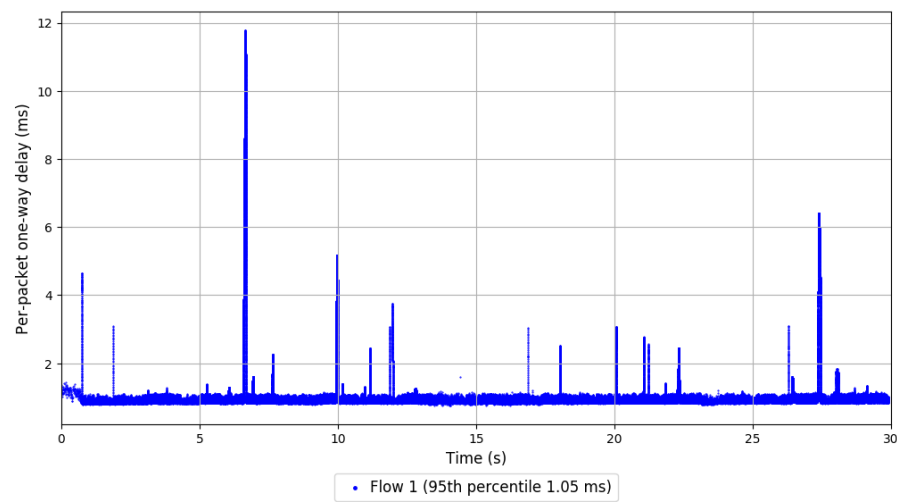
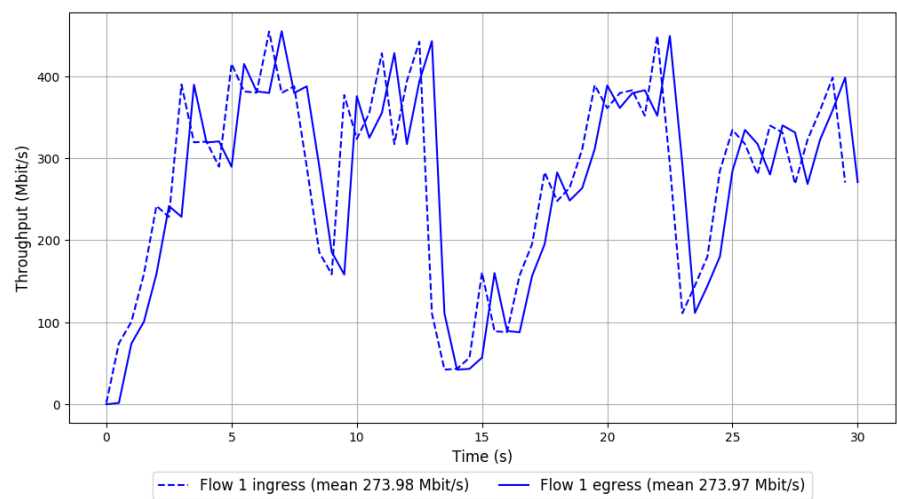
-- Flow 1:

Average throughput: 273.97 Mbit/s

95th percentile per-packet one-way delay: 1.049 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

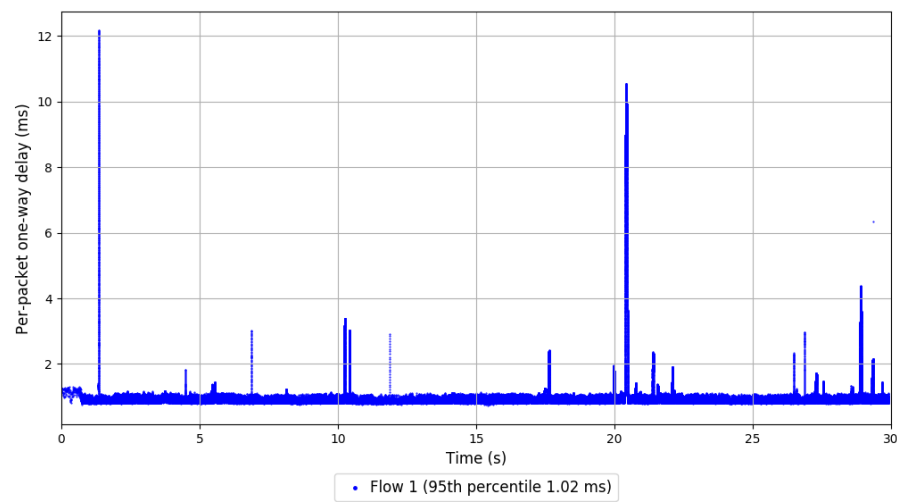
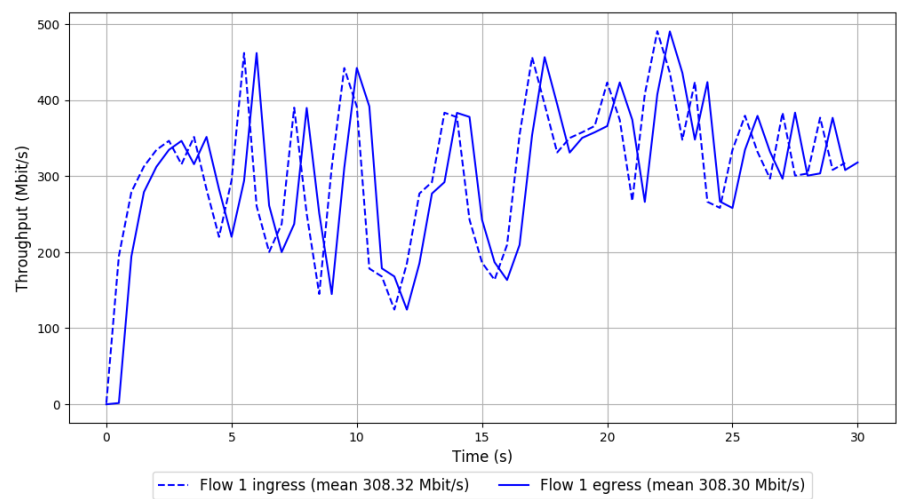


Run 2: Statistics of PCC-Vivace

Start at: 2019-06-27 19:42:02
End at: 2019-06-27 19:42:32
Local clock offset: -0.137 ms
Remote clock offset: -3.258 ms

Below is generated by plot.py at 2019-06-27 22:34:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 308.30 Mbit/s
95th percentile per-packet one-way delay: 1.020 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 308.30 Mbit/s
95th percentile per-packet one-way delay: 1.020 ms
Loss rate: 0.01%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-06-27 20:12:58

End at: 2019-06-27 20:13:28

Local clock offset: -0.276 ms

Remote clock offset: 0.552 ms

Below is generated by plot.py at 2019-06-27 22:34:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 249.67 Mbit/s

95th percentile per-packet one-way delay: 0.938 ms

Loss rate: 0.00%

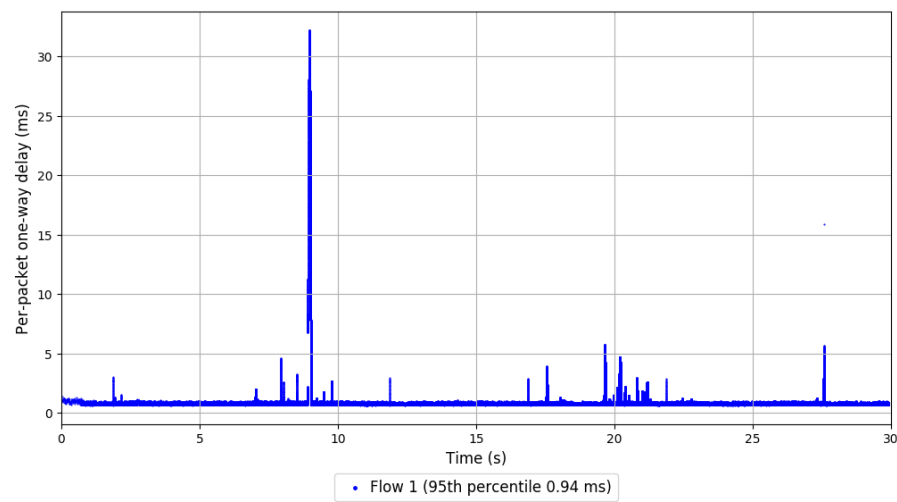
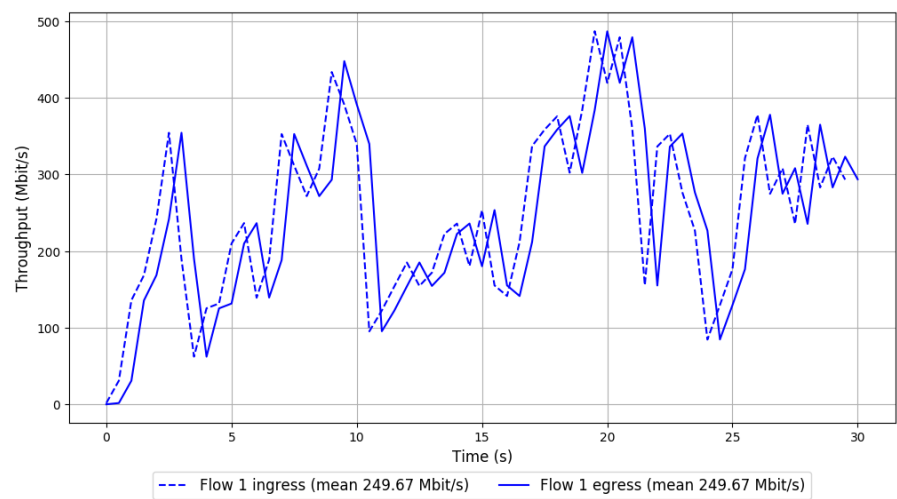
-- Flow 1:

Average throughput: 249.67 Mbit/s

95th percentile per-packet one-way delay: 0.938 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-06-27 20:43:19

End at: 2019-06-27 20:43:49

Local clock offset: -4.095 ms

Remote clock offset: 0.268 ms

Below is generated by plot.py at 2019-06-27 22:34:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 306.44 Mbit/s

95th percentile per-packet one-way delay: 0.979 ms

Loss rate: 0.00%

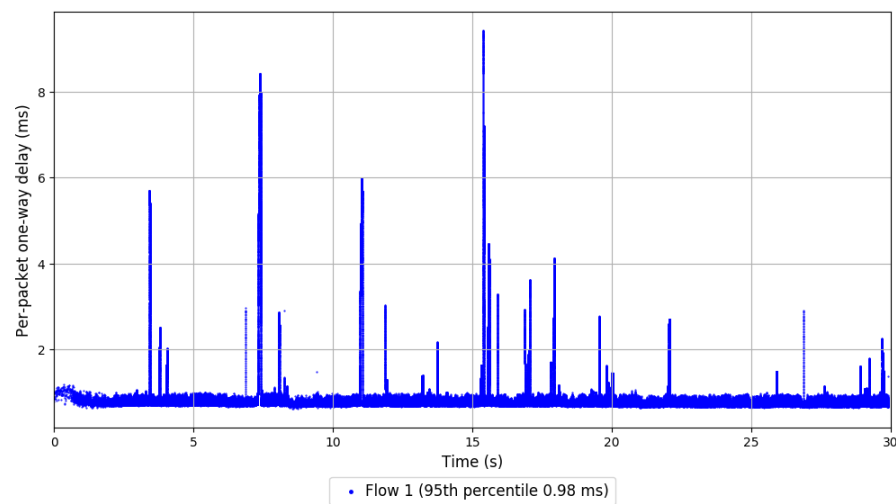
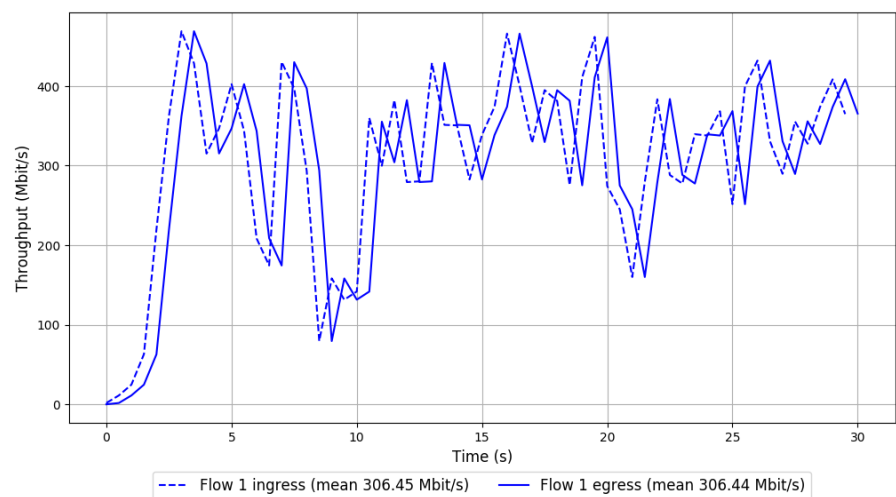
-- Flow 1:

Average throughput: 306.44 Mbit/s

95th percentile per-packet one-way delay: 0.979 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

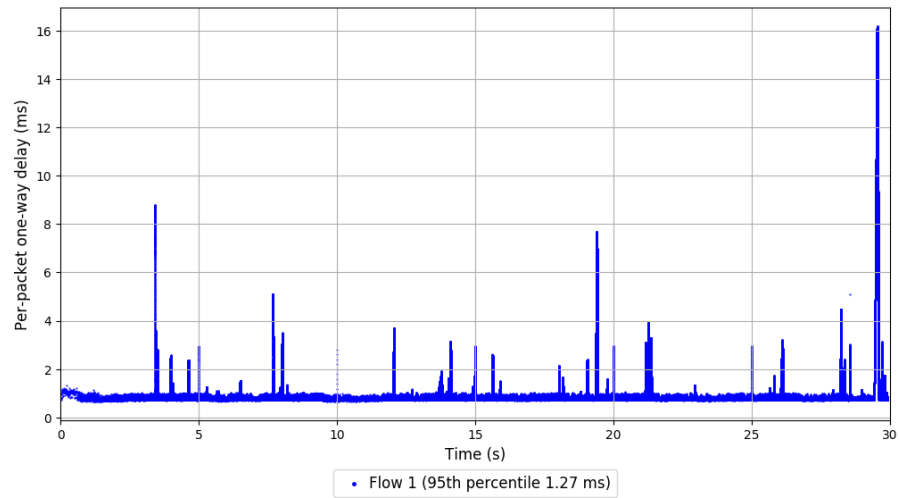
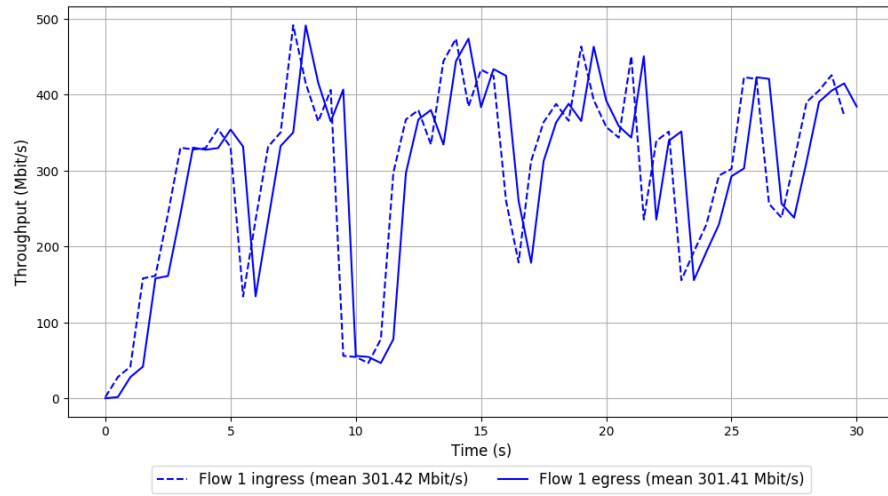


Run 5: Statistics of PCC-Vivace

Start at: 2019-06-27 21:13:57
End at: 2019-06-27 21:14:27
Local clock offset: -6.099 ms
Remote clock offset: -3.092 ms

Below is generated by plot.py at 2019-06-27 22:34:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 301.41 Mbit/s
95th percentile per-packet one-way delay: 1.272 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 301.41 Mbit/s
95th percentile per-packet one-way delay: 1.272 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2019-06-27 19:29:17

End at: 2019-06-27 19:29:47

Local clock offset: 0.897 ms

Remote clock offset: -2.748 ms

Below is generated by plot.py at 2019-06-27 22:34:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.388 ms

Loss rate: 0.00%

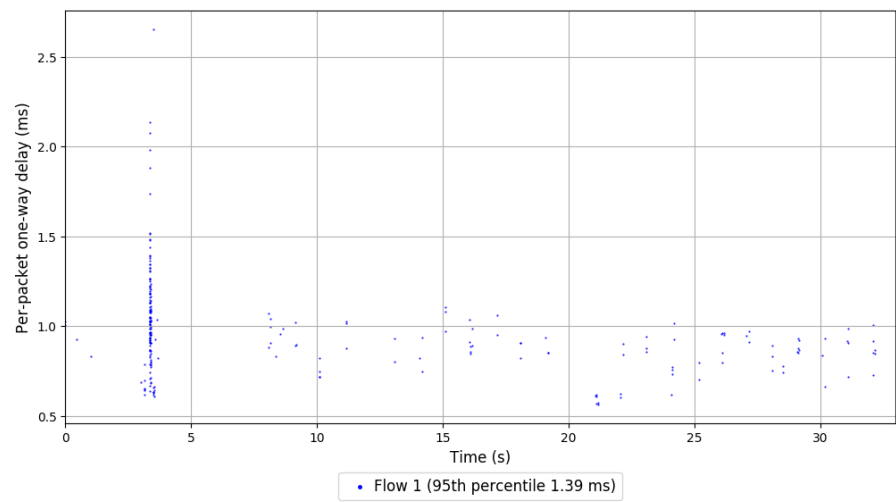
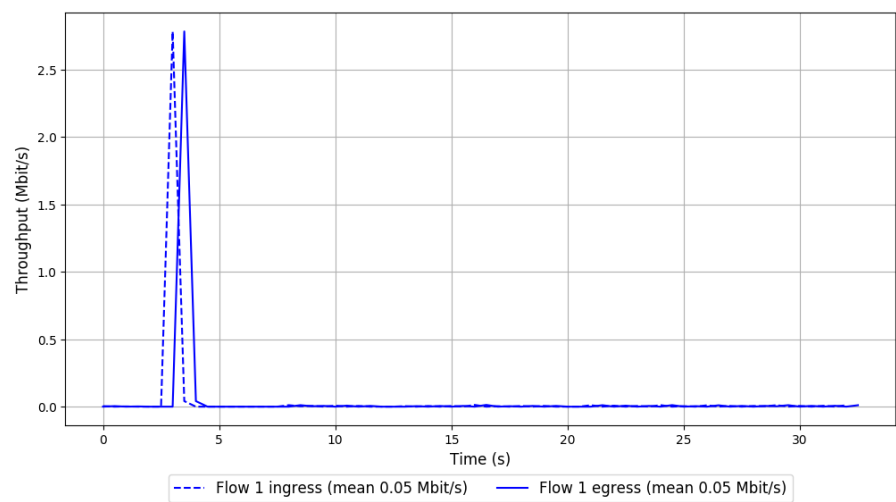
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.388 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

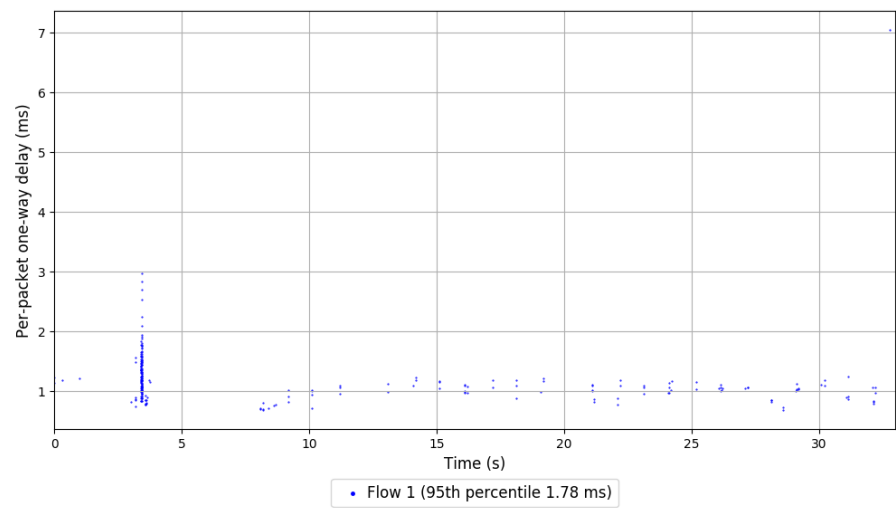
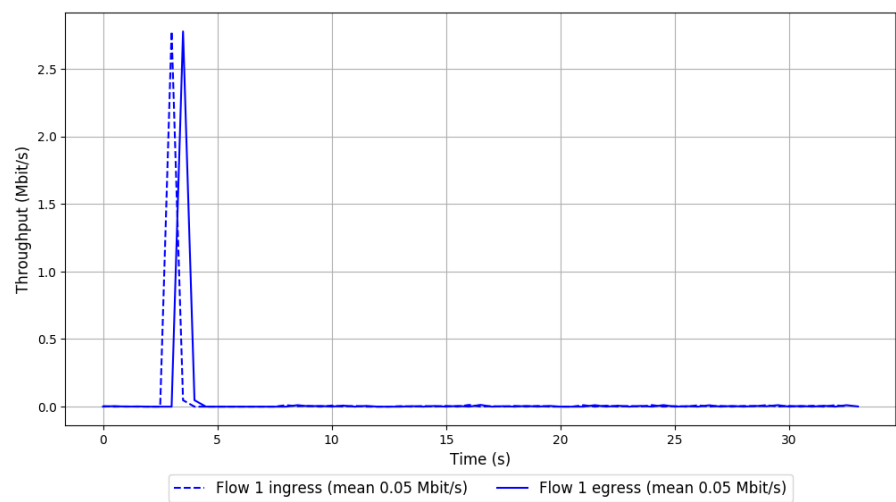


Run 2: Statistics of WebRTC media

Start at: 2019-06-27 20:00:00
End at: 2019-06-27 20:00:30
Local clock offset: -0.236 ms
Remote clock offset: -0.341 ms

Below is generated by plot.py at 2019-06-27 22:34:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.776 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.776 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-06-27 20:30:19

End at: 2019-06-27 20:30:49

Local clock offset: -2.882 ms

Remote clock offset: 0.379 ms

Below is generated by plot.py at 2019-06-27 22:34:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 3.306 ms

Loss rate: 0.05%

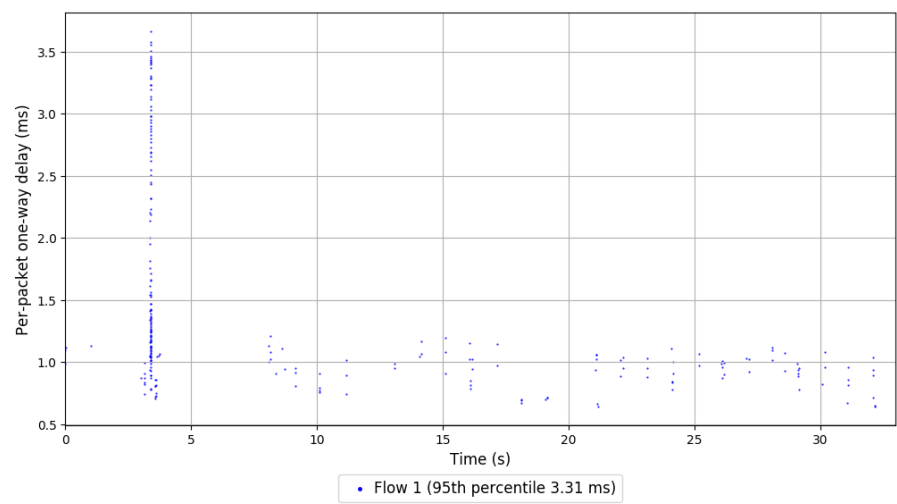
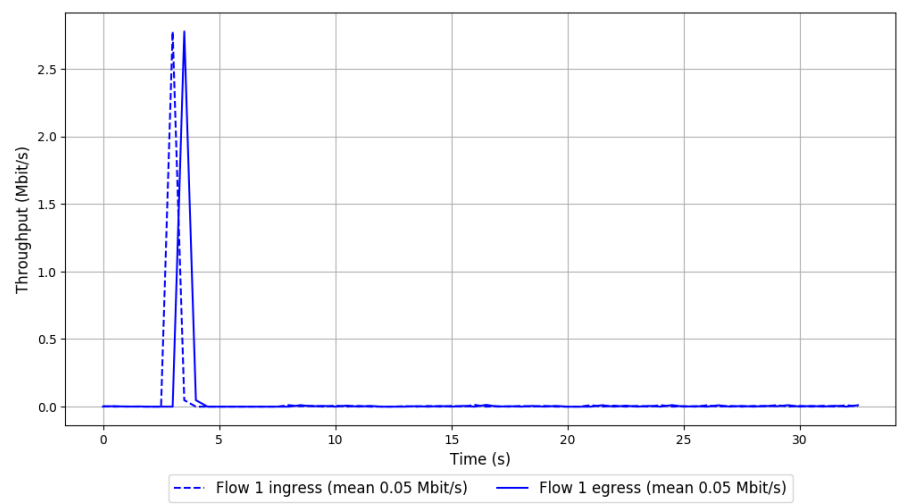
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 3.306 ms

Loss rate: 0.05%

Run 3: Report of WebRTC media — Data Link

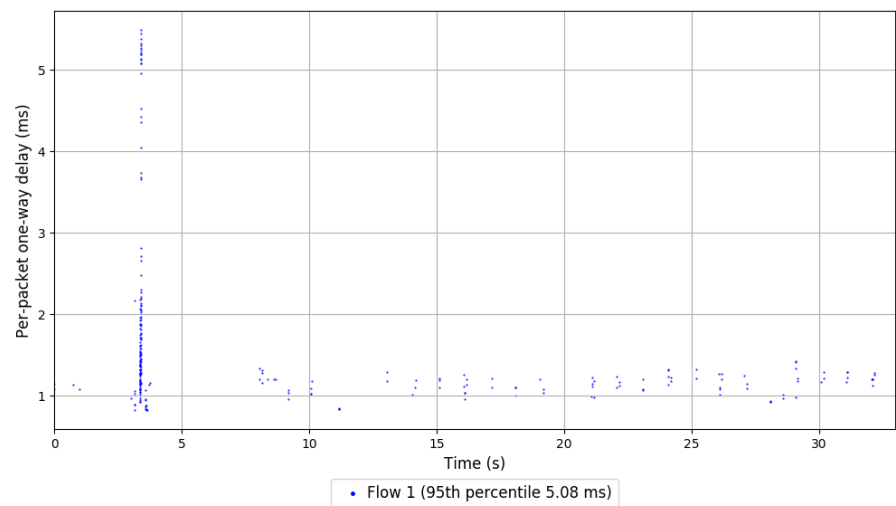
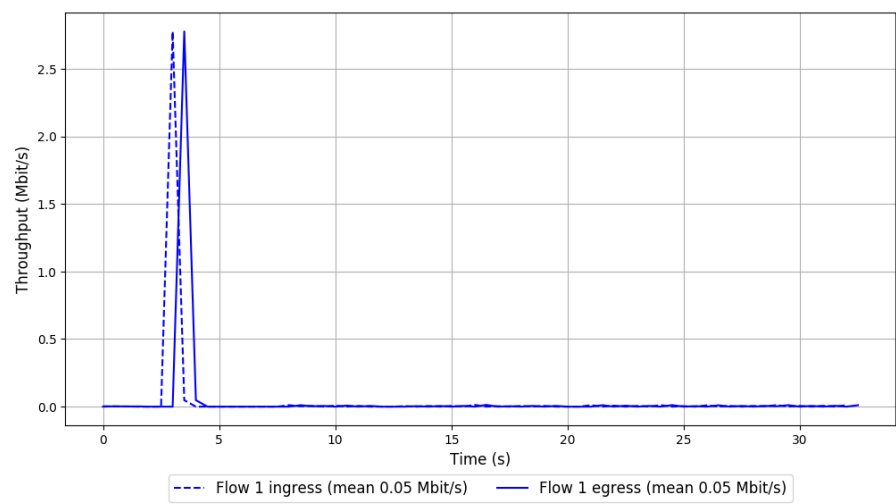


Run 4: Statistics of WebRTC media

Start at: 2019-06-27 21:00:56
End at: 2019-06-27 21:01:27
Local clock offset: -5.366 ms
Remote clock offset: -1.422 ms

Below is generated by plot.py at 2019-06-27 22:34:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 5.078 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 5.078 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-06-27 21:31:26
End at: 2019-06-27 21:31:56
Local clock offset: 2.66 ms
Remote clock offset: -3.687 ms

Below is generated by plot.py at 2019-06-27 22:34:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 4.430 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 4.430 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

