

Pantheon Report

Generated at 2019-02-20 23:46:05 (UTC).

Data path: GCE London on *ens4 (local)* → GCE Iowa on *ens4 (remote)*.

Repeated the test of 21 congestion control schemes 5 times.

Each test lasted for 30 seconds running 1 flow.

NTP offsets were measured against `time.google.com` and have been applied to correct the timestamps in logs.

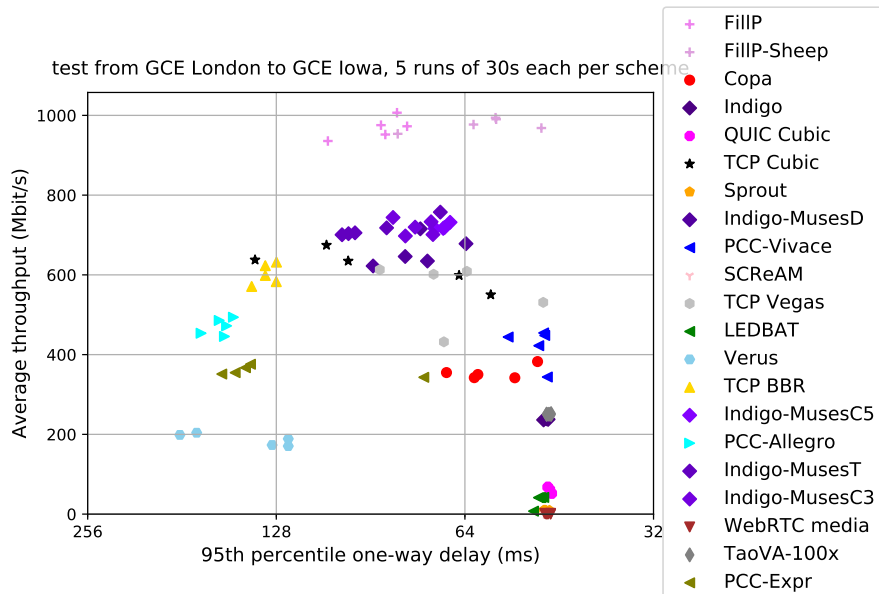
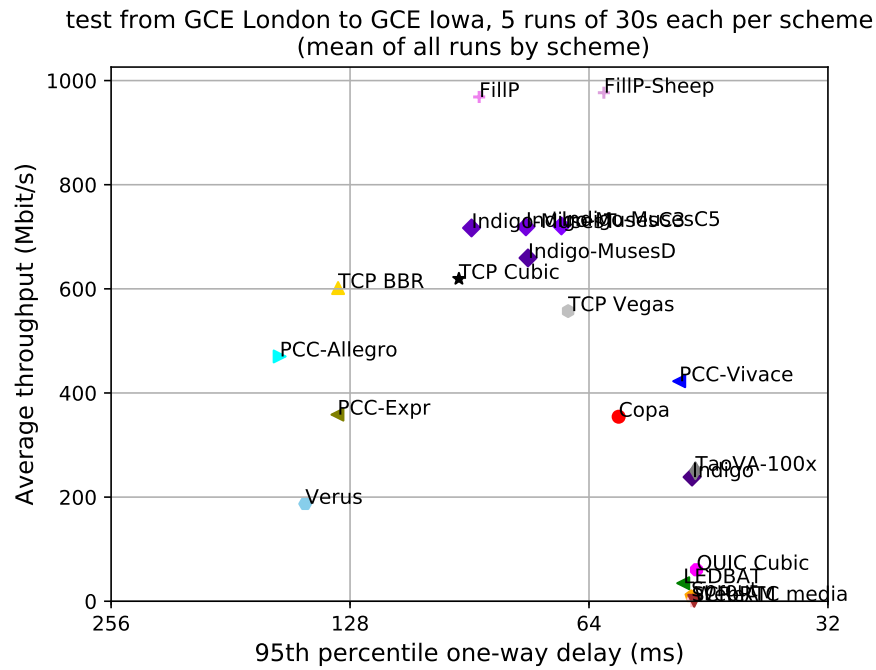
System info:

```
Linux 4.15.0-1026-gcp
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

```
branch: muses @ 7a686f7c2ed0a333082c0bab1fa5c921ab47e6ee
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd9c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/pantheon-tunnel @ f866d3f58d27afd942717625ee3a354cc2e802bd
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
  M src/ScreamClient
  M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
```

third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	601.54	132.52	0.52
Copa	5	354.37	58.72	0.00
TCP Cubic	5	619.22	93.34	0.11
FillP	5	968.52	88.01	0.38
FillP-Sheep	5	976.70	61.30	0.03
Indigo	5	238.47	47.47	0.00
Indigo-MusesC3	5	719.10	76.86	0.03
Indigo-MusesC5	4	720.83	69.33	0.01
Indigo-MusesD	5	659.36	76.39	0.03
Indigo-MusesT	5	716.94	89.99	0.15
LEDBAT	5	34.63	48.70	0.00
PCC-Allegro	5	470.14	156.99	2.24
PCC-Expr	5	358.41	132.78	3.76
QUIC Cubic	5	60.47	46.85	0.00
SCReAM	5	0.22	47.50	0.00
Sprout	5	9.59	47.58	0.00
TaoVA-100x	5	250.65	47.01	0.00
TCP Vegas	5	557.25	68.00	0.05
Verus	5	187.11	145.78	0.77
PCC-Vivace	5	422.55	49.27	0.00
WebRTC media	5	0.82	47.16	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-02-20 19:11:16

End at: 2019-02-20 19:11:46

Local clock offset: -0.047 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2019-02-20 21:55:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 623.13 Mbit/s

95th percentile per-packet one-way delay: 133.275 ms

Loss rate: 0.48%

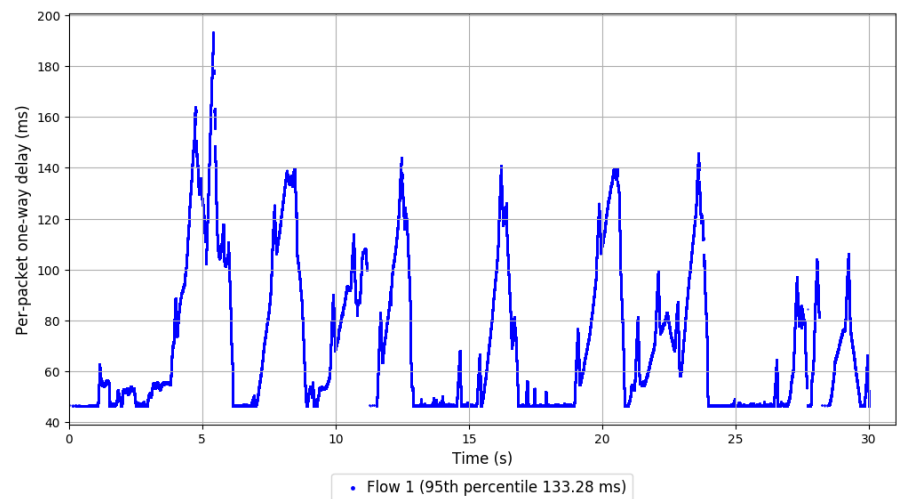
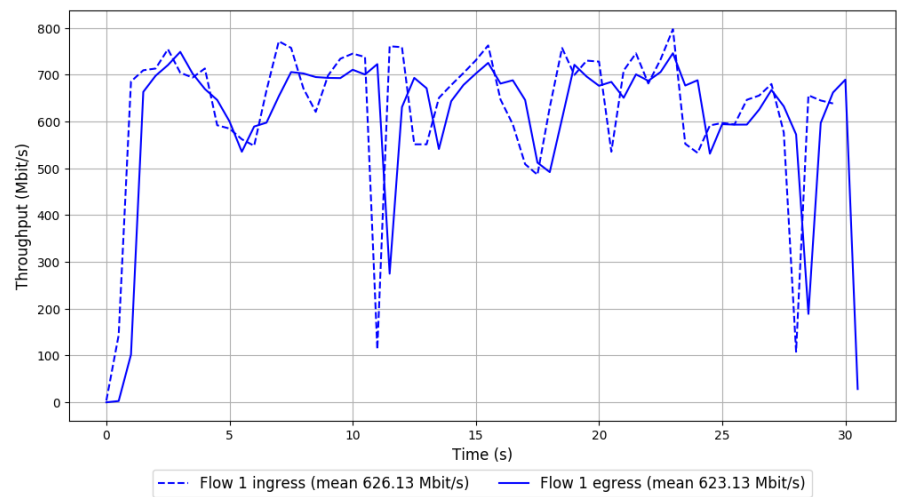
-- Flow 1:

Average throughput: 623.13 Mbit/s

95th percentile per-packet one-way delay: 133.275 ms

Loss rate: 0.48%

Run 1: Report of TCP BBR — Data Link

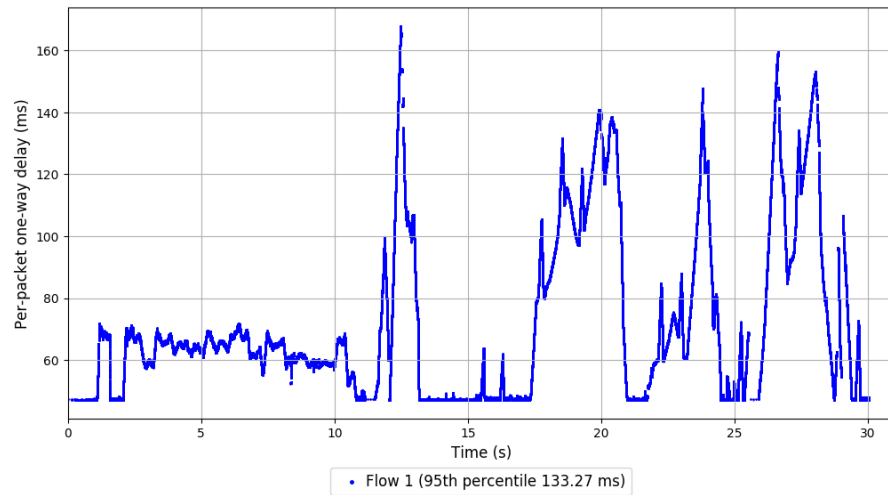
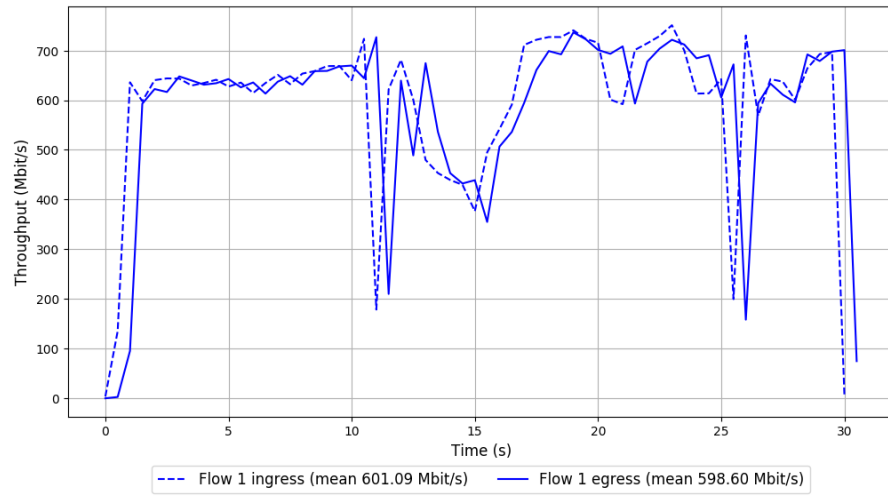


Run 2: Statistics of TCP BBR

Start at: 2019-02-20 19:42:50
End at: 2019-02-20 19:43:20
Local clock offset: -0.079 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2019-02-20 21:55:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 598.60 Mbit/s
95th percentile per-packet one-way delay: 133.267 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 598.60 Mbit/s
95th percentile per-packet one-way delay: 133.267 ms
Loss rate: 0.41%

Run 2: Report of TCP BBR — Data Link

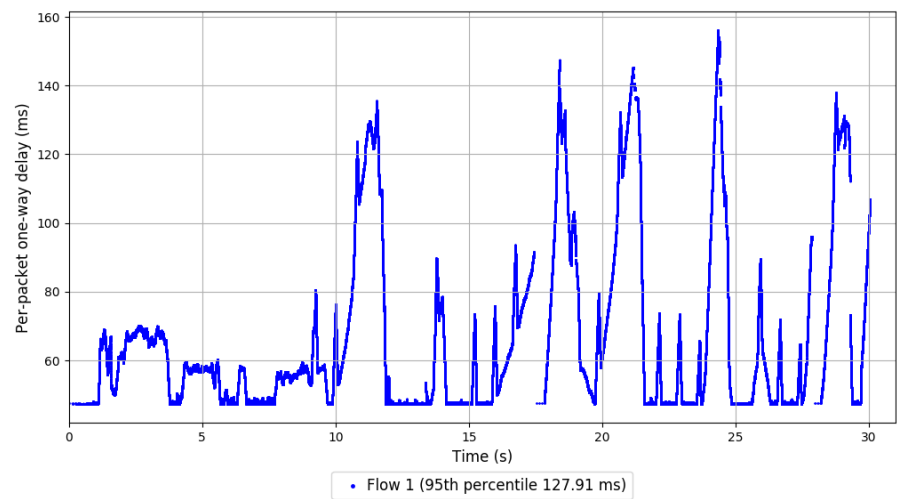
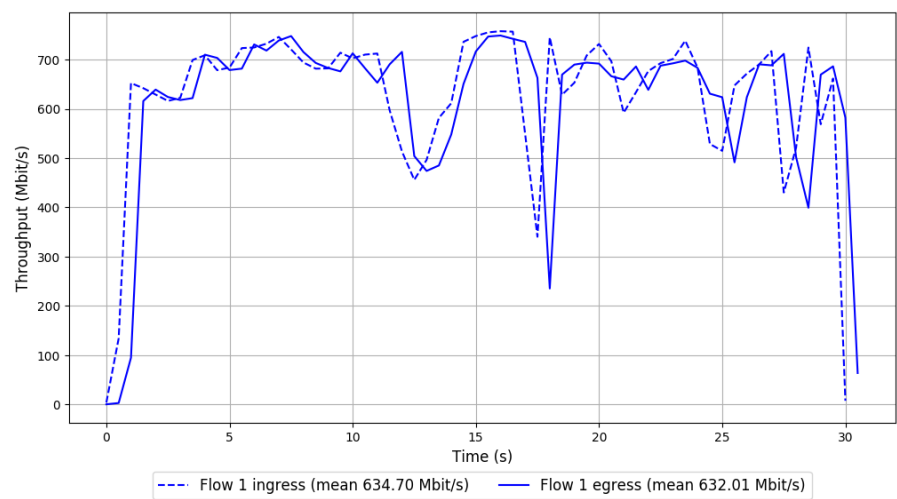


Run 3: Statistics of TCP BBR

Start at: 2019-02-20 20:14:12
End at: 2019-02-20 20:14:42
Local clock offset: -0.101 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2019-02-20 21:55:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 632.01 Mbit/s
95th percentile per-packet one-way delay: 127.913 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 632.01 Mbit/s
95th percentile per-packet one-way delay: 127.913 ms
Loss rate: 0.42%

Run 3: Report of TCP BBR — Data Link

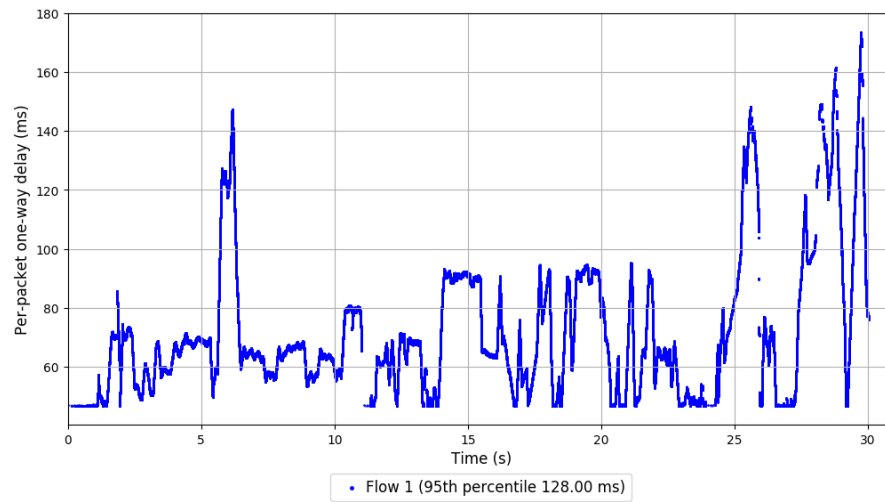
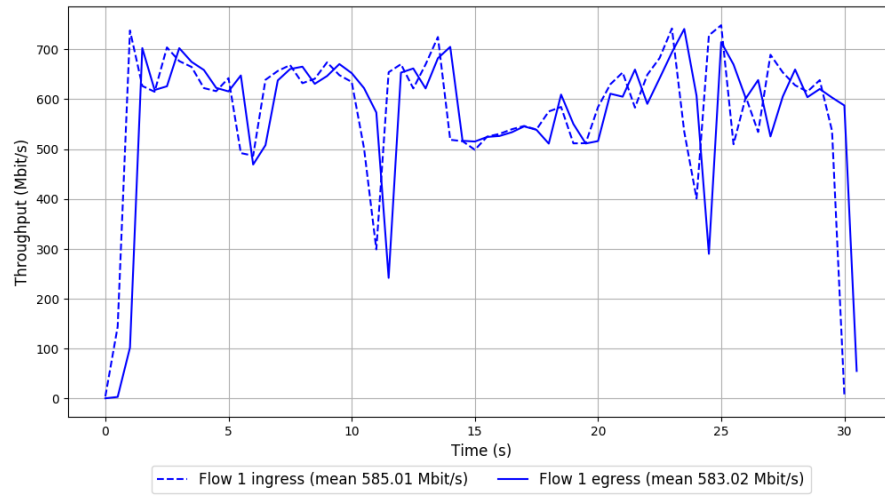


Run 4: Statistics of TCP BBR

Start at: 2019-02-20 20:45:41
End at: 2019-02-20 20:46:11
Local clock offset: -0.364 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2019-02-20 21:55:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 583.02 Mbit/s
95th percentile per-packet one-way delay: 128.001 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 583.02 Mbit/s
95th percentile per-packet one-way delay: 128.001 ms
Loss rate: 0.34%

Run 4: Report of TCP BBR — Data Link

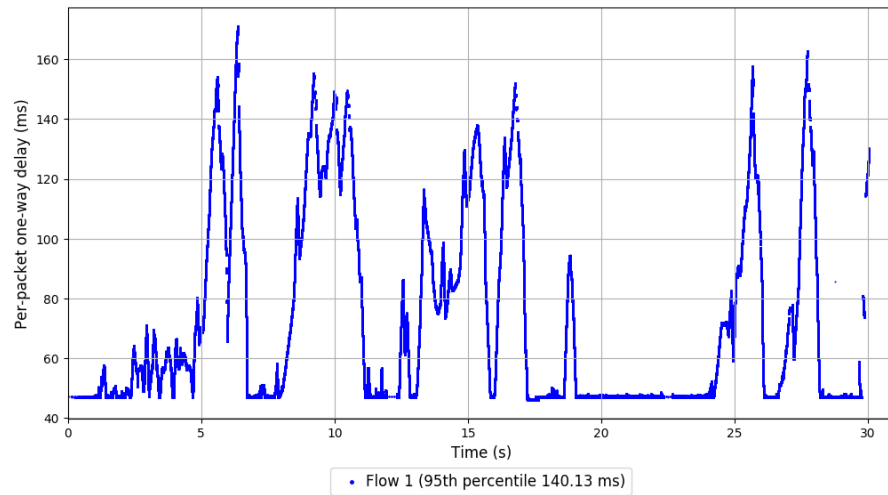
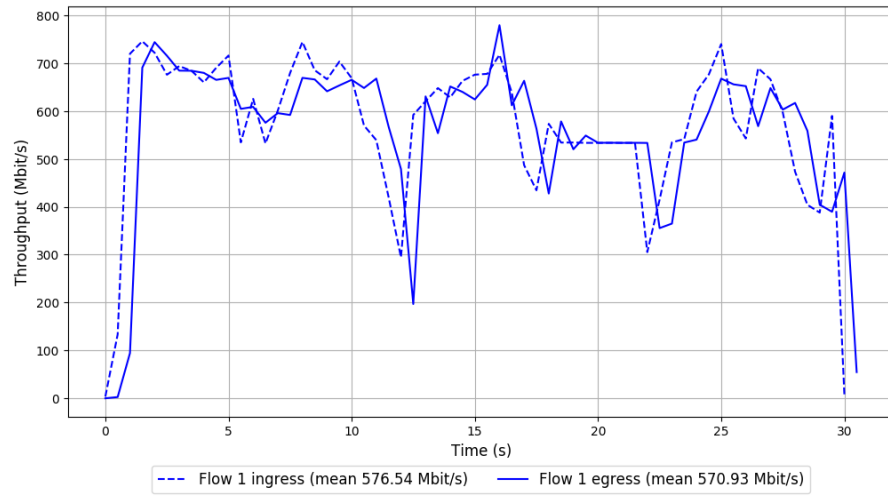


Run 5: Statistics of TCP BBR

Start at: 2019-02-20 21:17:11
End at: 2019-02-20 21:17:41
Local clock offset: 0.185 ms
Remote clock offset: -0.151 ms

Below is generated by plot.py at 2019-02-20 21:55:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 570.93 Mbit/s
95th percentile per-packet one-way delay: 140.131 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 570.93 Mbit/s
95th percentile per-packet one-way delay: 140.131 ms
Loss rate: 0.97%

Run 5: Report of TCP BBR — Data Link

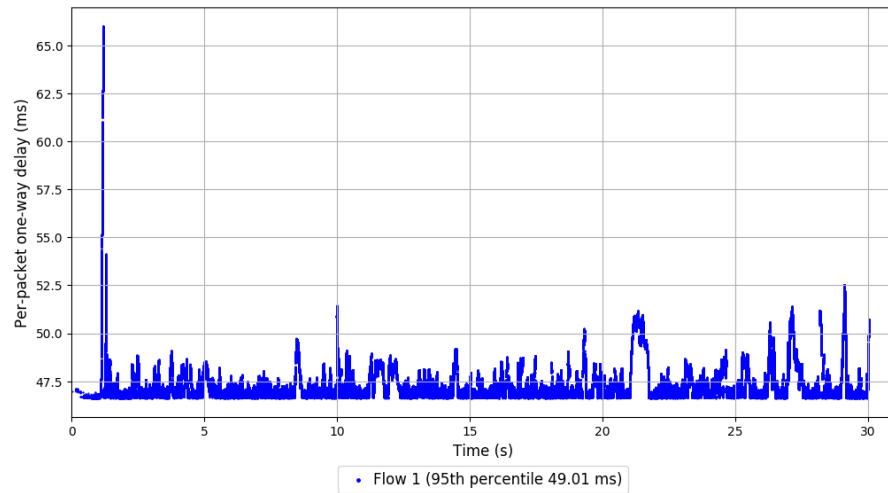
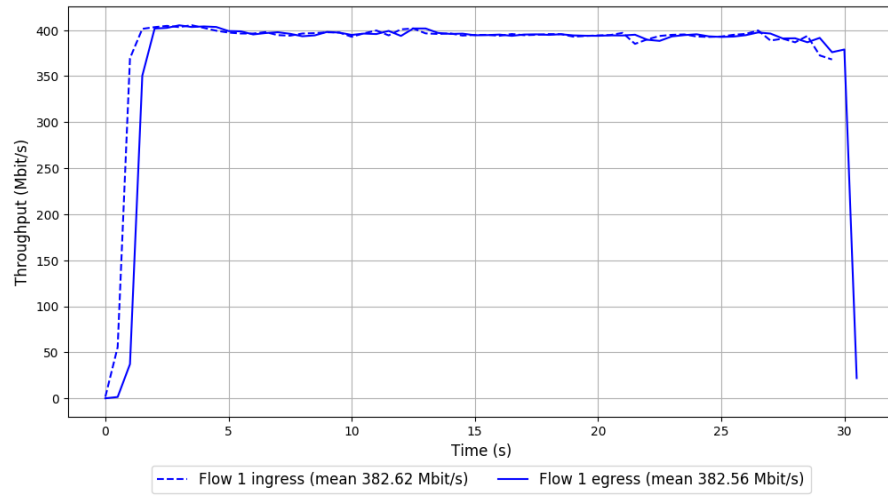


Run 1: Statistics of Copa

Start at: 2019-02-20 18:55:09
End at: 2019-02-20 18:55:39
Local clock offset: 0.411 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2019-02-20 21:56:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 382.56 Mbit/s
95th percentile per-packet one-way delay: 49.005 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 382.56 Mbit/s
95th percentile per-packet one-way delay: 49.005 ms
Loss rate: 0.01%

Run 1: Report of Copa — Data Link

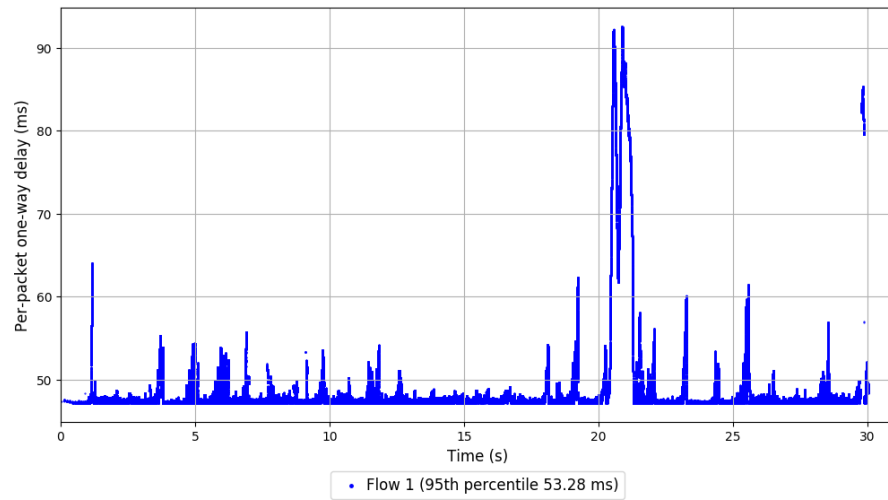
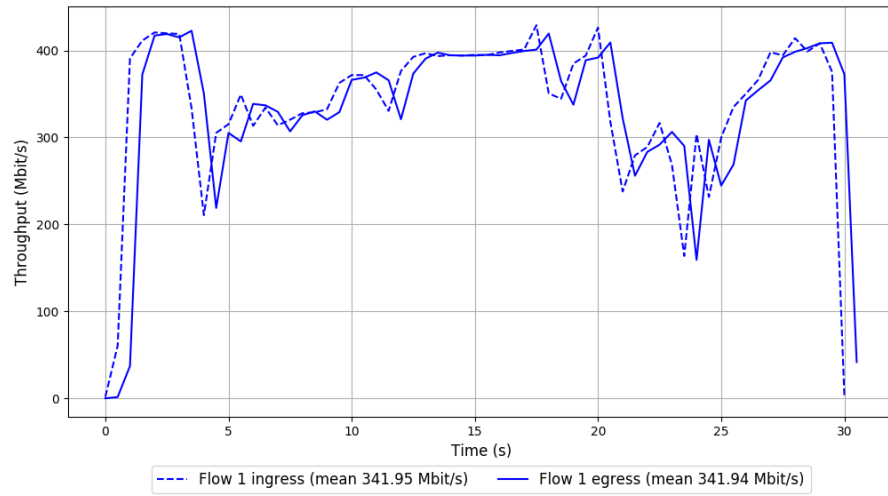


Run 2: Statistics of Copa

Start at: 2019-02-20 19:26:33
End at: 2019-02-20 19:27:03
Local clock offset: -0.122 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2019-02-20 21:56:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 341.94 Mbit/s
95th percentile per-packet one-way delay: 53.277 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 341.94 Mbit/s
95th percentile per-packet one-way delay: 53.277 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2019-02-20 19:57:58

End at: 2019-02-20 19:58:28

Local clock offset: -0.08 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2019-02-20 21:56:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 350.14 Mbit/s

95th percentile per-packet one-way delay: 61.026 ms

Loss rate: 0.00%

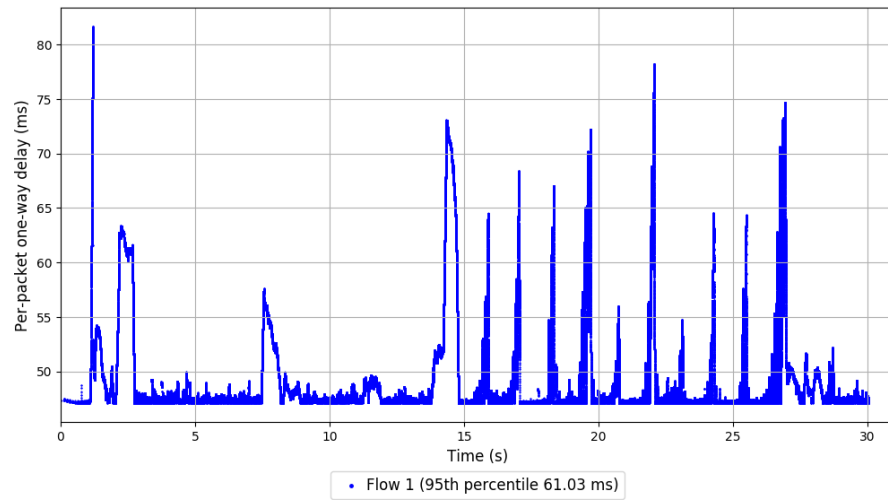
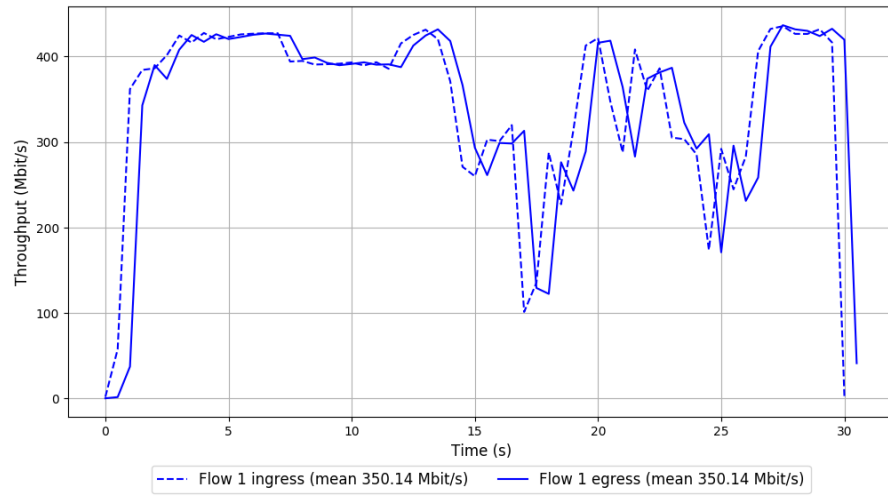
-- Flow 1:

Average throughput: 350.14 Mbit/s

95th percentile per-packet one-way delay: 61.026 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link

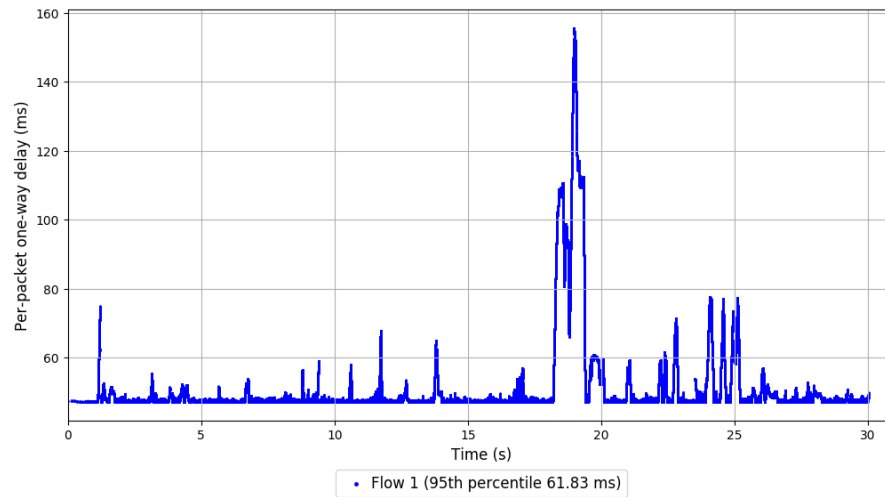
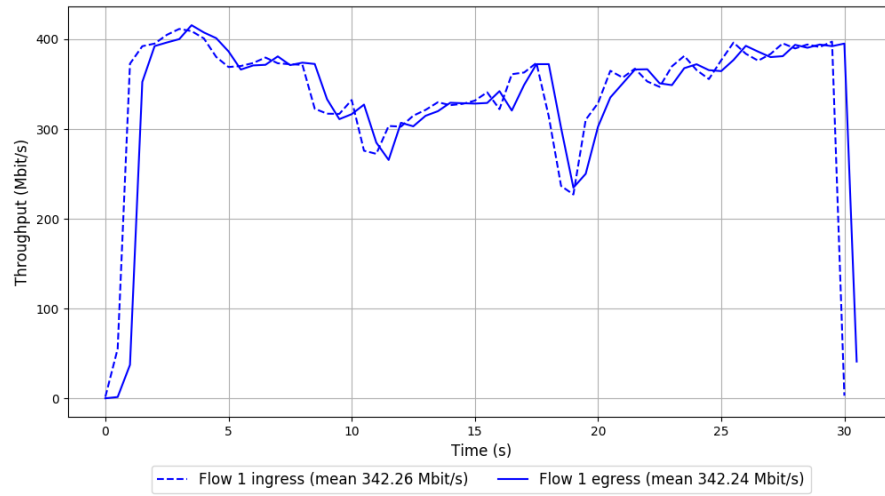


Run 4: Statistics of Copa

Start at: 2019-02-20 20:29:26
End at: 2019-02-20 20:29:56
Local clock offset: -0.008 ms
Remote clock offset: -0.127 ms

Below is generated by plot.py at 2019-02-20 22:05:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 342.24 Mbit/s
95th percentile per-packet one-way delay: 61.831 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 342.24 Mbit/s
95th percentile per-packet one-way delay: 61.831 ms
Loss rate: 0.01%

Run 4: Report of Copa — Data Link

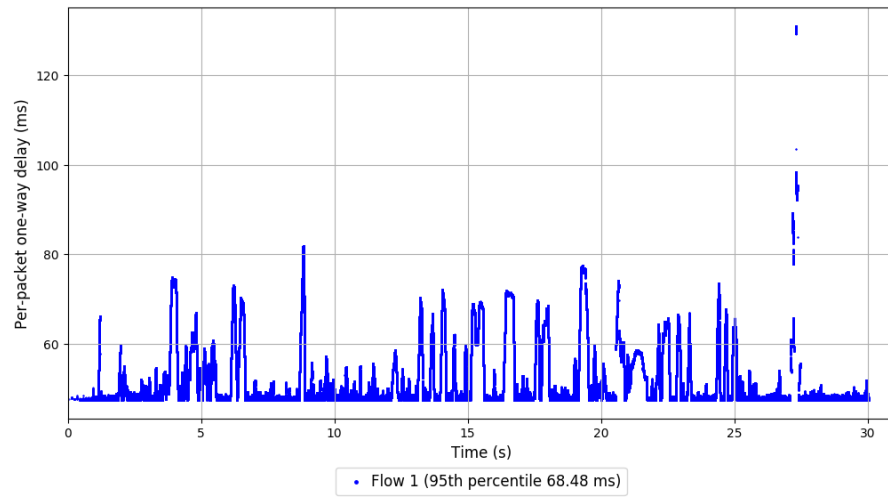
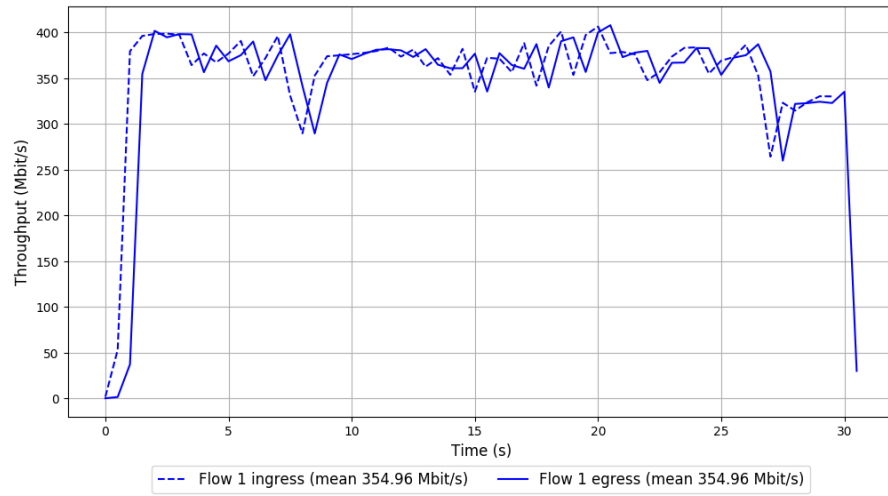


Run 5: Statistics of Copa

Start at: 2019-02-20 21:01:05
End at: 2019-02-20 21:01:35
Local clock offset: -0.154 ms
Remote clock offset: -0.149 ms

Below is generated by plot.py at 2019-02-20 22:06:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 354.96 Mbit/s
95th percentile per-packet one-way delay: 68.483 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 354.96 Mbit/s
95th percentile per-packet one-way delay: 68.483 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

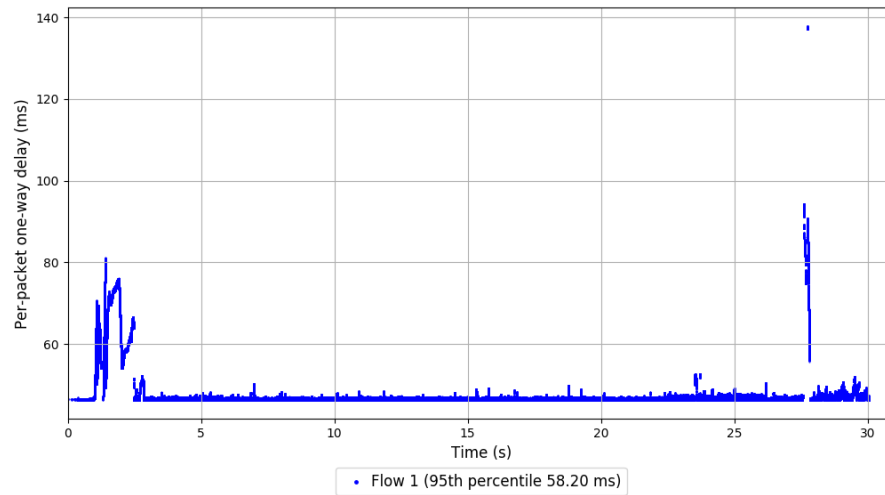
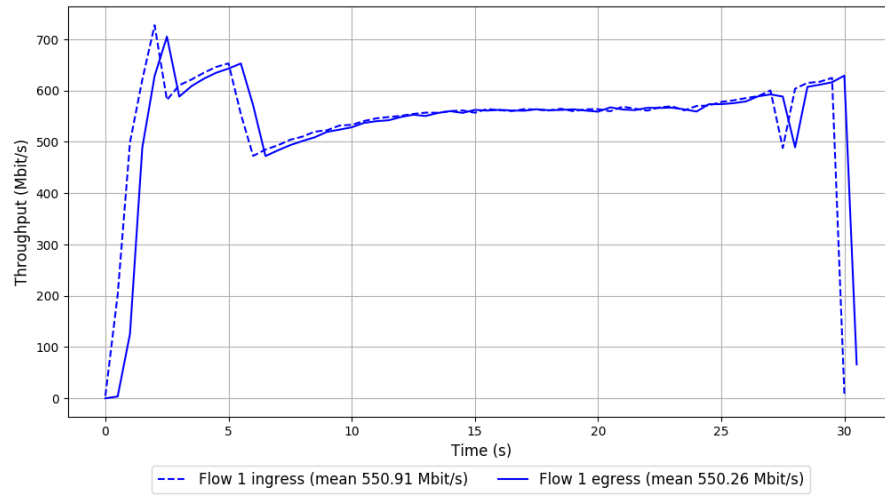


Run 1: Statistics of TCP Cubic

Start at: 2019-02-20 19:12:56
End at: 2019-02-20 19:13:26
Local clock offset: -0.045 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2019-02-20 22:06:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 550.26 Mbit/s
95th percentile per-packet one-way delay: 58.204 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 550.26 Mbit/s
95th percentile per-packet one-way delay: 58.204 ms
Loss rate: 0.12%

Run 1: Report of TCP Cubic — Data Link

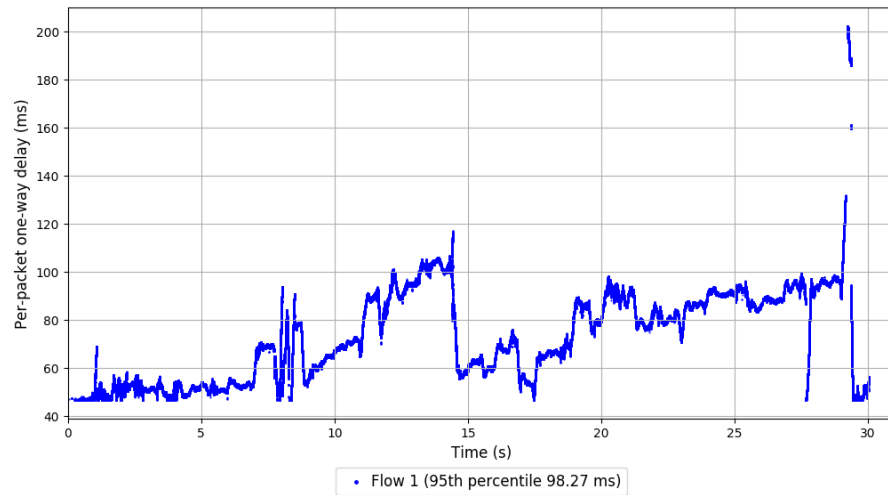
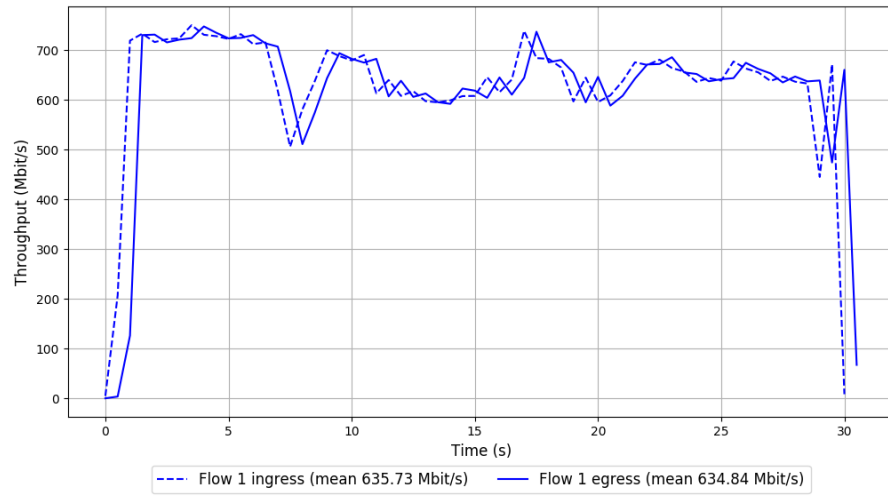


Run 2: Statistics of TCP Cubic

Start at: 2019-02-20 19:44:27
End at: 2019-02-20 19:44:57
Local clock offset: -0.08 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2019-02-20 22:06:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 634.84 Mbit/s
95th percentile per-packet one-way delay: 98.272 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 634.84 Mbit/s
95th percentile per-packet one-way delay: 98.272 ms
Loss rate: 0.14%

Run 2: Report of TCP Cubic — Data Link

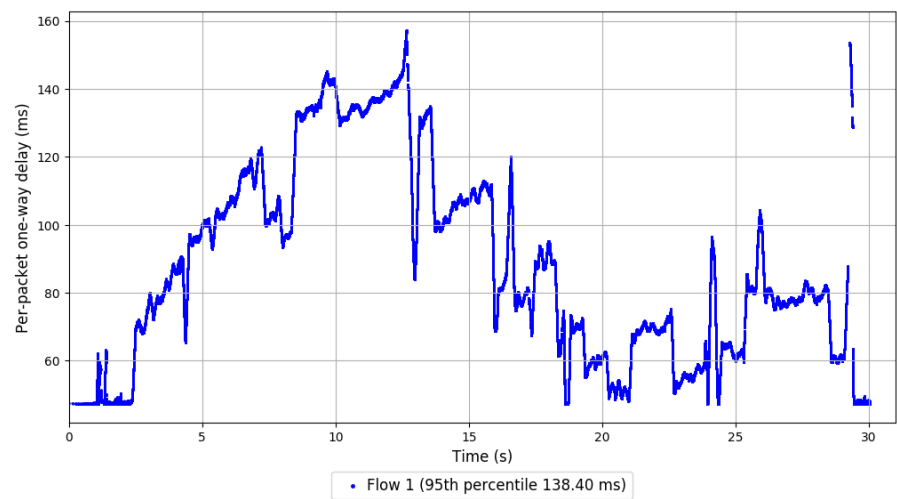
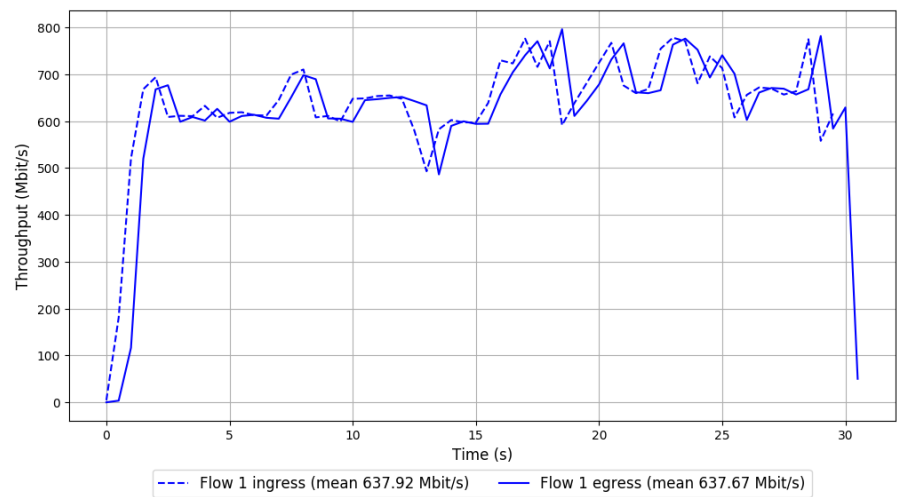


Run 3: Statistics of TCP Cubic

Start at: 2019-02-20 20:15:52
End at: 2019-02-20 20:16:22
Local clock offset: -0.075 ms
Remote clock offset: -0.109 ms

Below is generated by plot.py at 2019-02-20 22:06:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 637.67 Mbit/s
95th percentile per-packet one-way delay: 138.395 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 637.67 Mbit/s
95th percentile per-packet one-way delay: 138.395 ms
Loss rate: 0.04%

Run 3: Report of TCP Cubic — Data Link

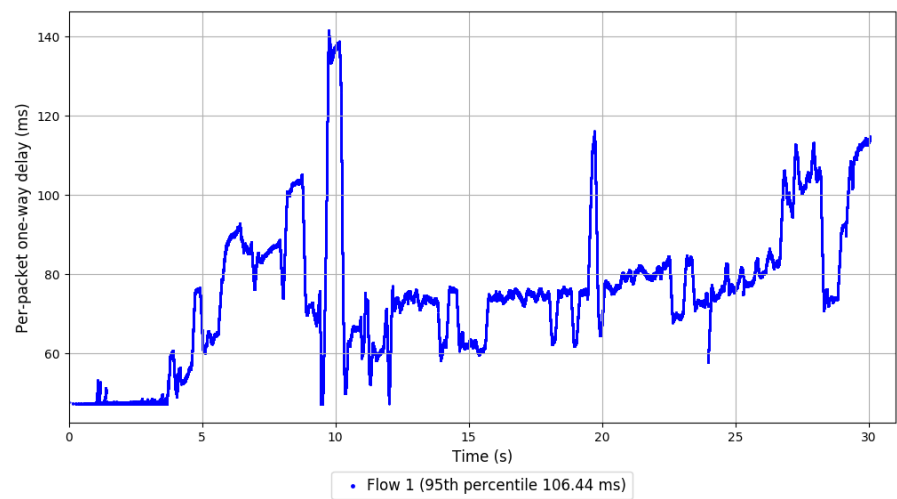
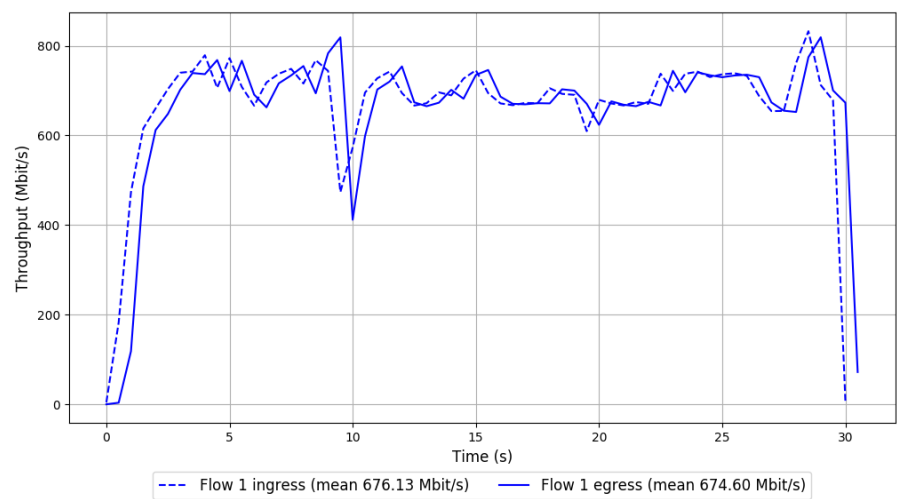


Run 4: Statistics of TCP Cubic

Start at: 2019-02-20 20:47:18
End at: 2019-02-20 20:47:48
Local clock offset: -0.017 ms
Remote clock offset: -0.142 ms

Below is generated by plot.py at 2019-02-20 22:07:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 674.60 Mbit/s
95th percentile per-packet one-way delay: 106.438 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 674.60 Mbit/s
95th percentile per-packet one-way delay: 106.438 ms
Loss rate: 0.22%

Run 4: Report of TCP Cubic — Data Link

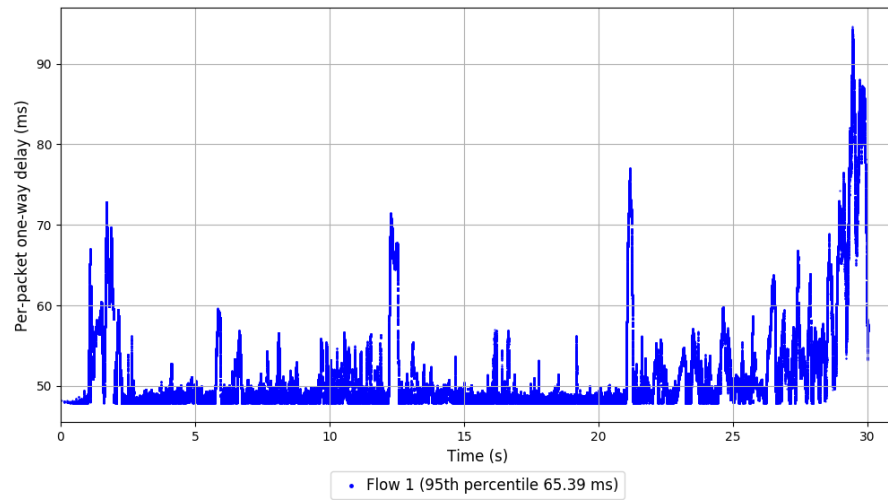
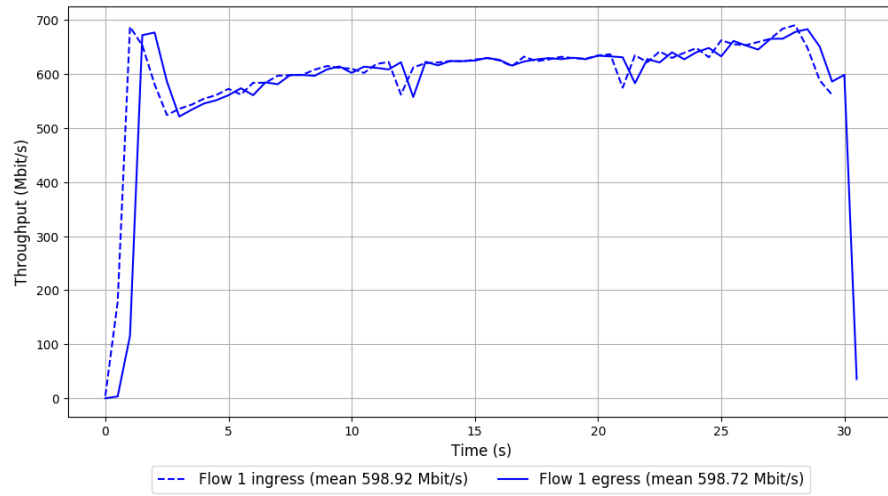


Run 5: Statistics of TCP Cubic

Start at: 2019-02-20 21:18:47
End at: 2019-02-20 21:19:17
Local clock offset: -0.49 ms
Remote clock offset: -0.193 ms

Below is generated by plot.py at 2019-02-20 22:07:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 598.72 Mbit/s
95th percentile per-packet one-way delay: 65.387 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 598.72 Mbit/s
95th percentile per-packet one-way delay: 65.387 ms
Loss rate: 0.03%

Run 5: Report of TCP Cubic — Data Link

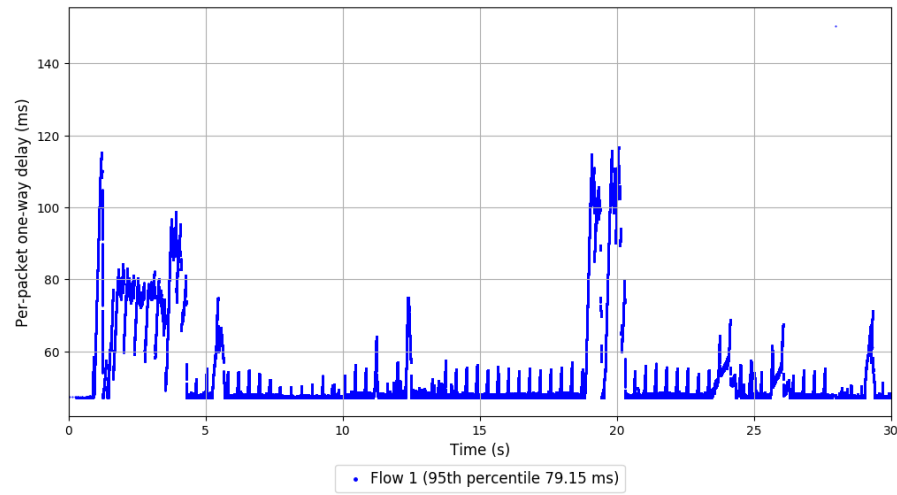
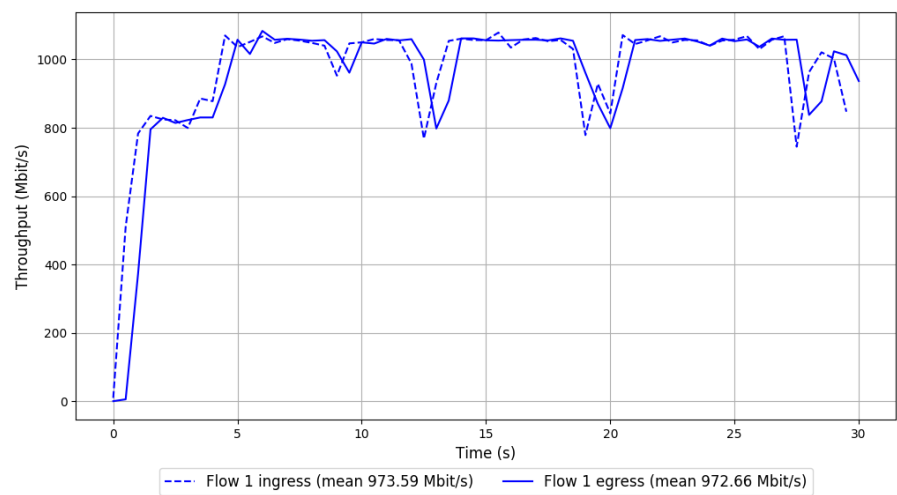


Run 1: Statistics of FillP

Start at: 2019-02-20 19:01:37
End at: 2019-02-20 19:02:07
Local clock offset: -0.003 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2019-02-20 22:14:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 972.66 Mbit/s
95th percentile per-packet one-way delay: 79.150 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 972.66 Mbit/s
95th percentile per-packet one-way delay: 79.150 ms
Loss rate: 0.10%

Run 1: Report of FillP — Data Link

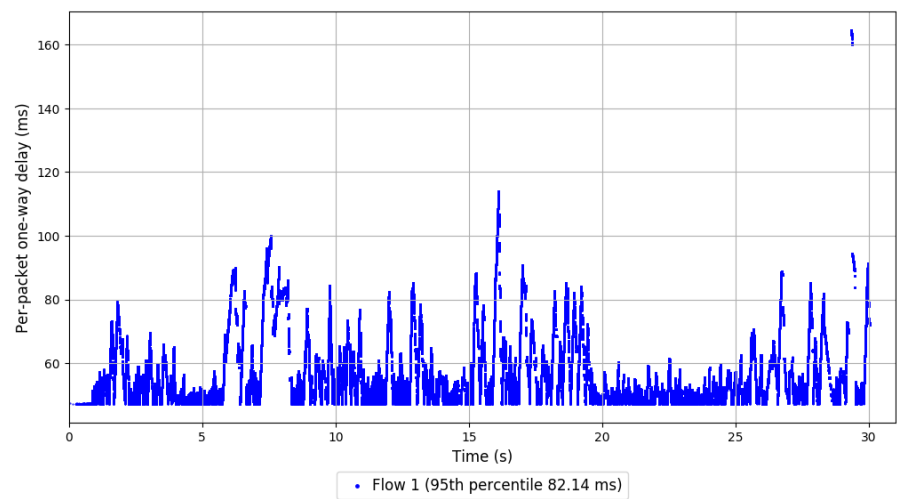
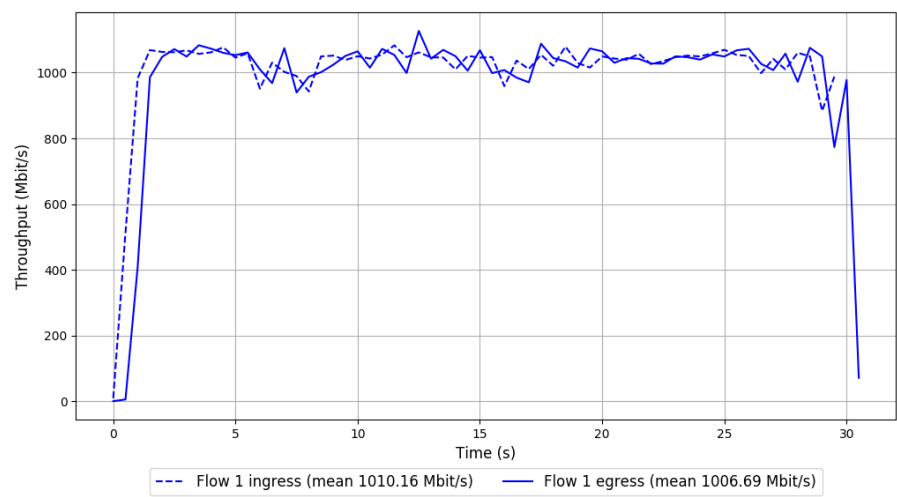


Run 2: Statistics of FillP

Start at: 2019-02-20 19:33:09
End at: 2019-02-20 19:33:39
Local clock offset: -0.125 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2019-02-20 22:26:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 1006.69 Mbit/s
95th percentile per-packet one-way delay: 82.140 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 1006.69 Mbit/s
95th percentile per-packet one-way delay: 82.140 ms
Loss rate: 0.34%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2019-02-20 20:04:38

End at: 2019-02-20 20:05:08

Local clock offset: -0.076 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2019-02-20 22:26:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 935.72 Mbit/s

95th percentile per-packet one-way delay: 105.893 ms

Loss rate: 0.99%

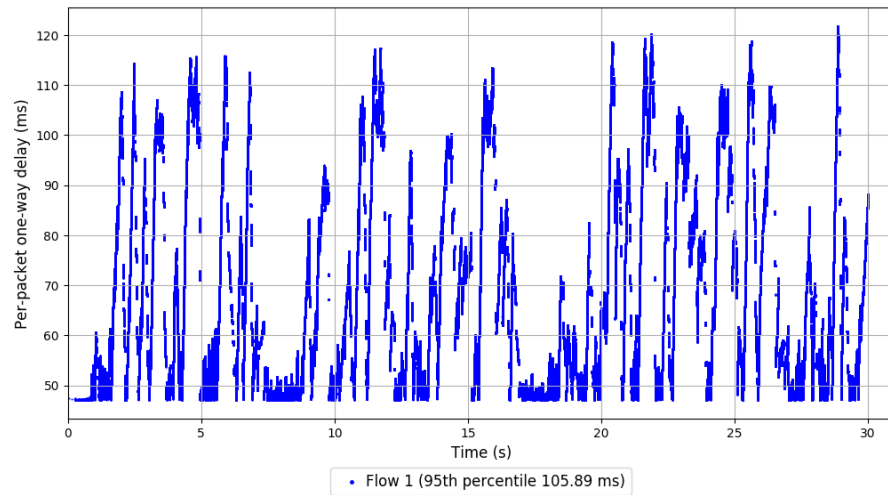
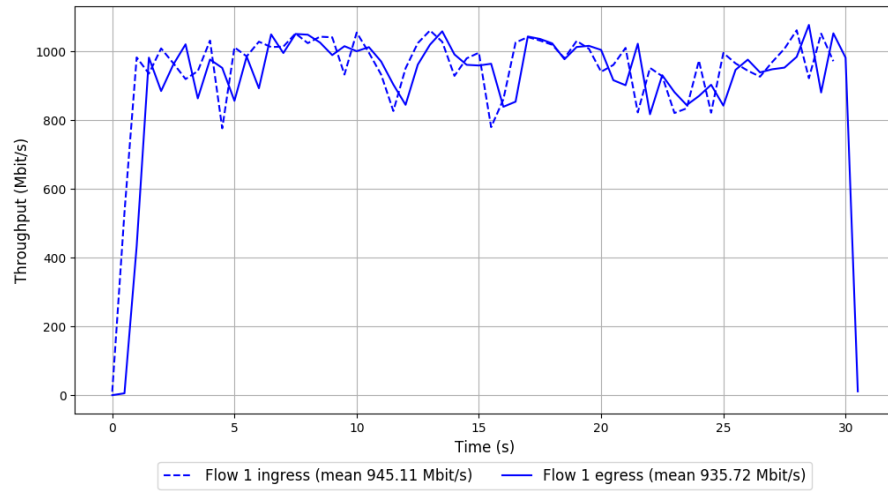
-- Flow 1:

Average throughput: 935.72 Mbit/s

95th percentile per-packet one-way delay: 105.893 ms

Loss rate: 0.99%

Run 3: Report of FillP — Data Link

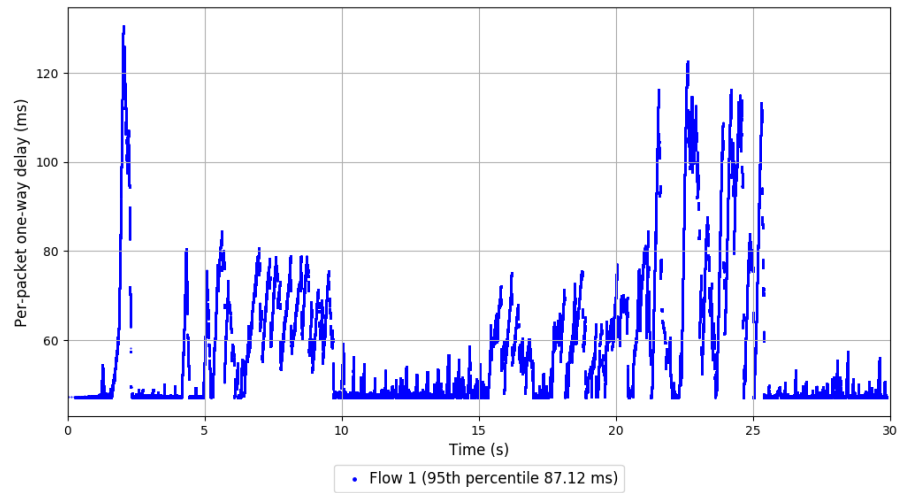
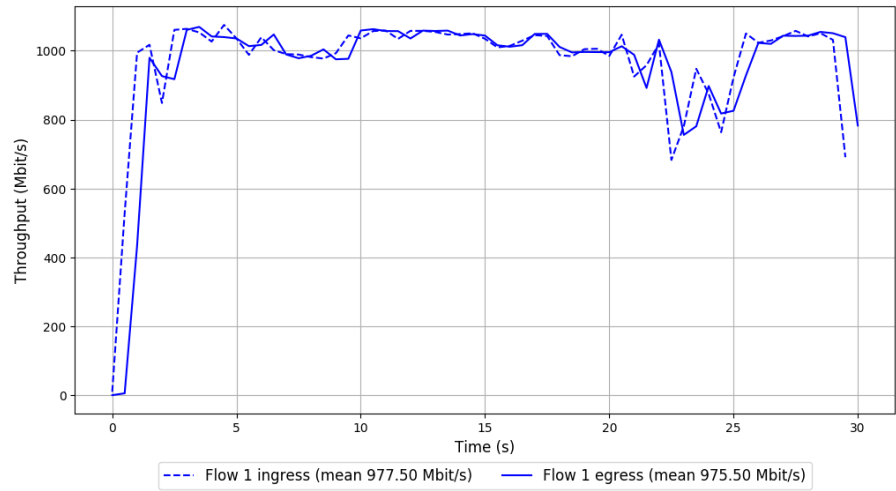


Run 4: Statistics of FillP

Start at: 2019-02-20 20:36:00
End at: 2019-02-20 20:36:30
Local clock offset: 0.016 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2019-02-20 22:27:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 975.50 Mbit/s
95th percentile per-packet one-way delay: 87.123 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 975.50 Mbit/s
95th percentile per-packet one-way delay: 87.123 ms
Loss rate: 0.20%

Run 4: Report of FillP — Data Link

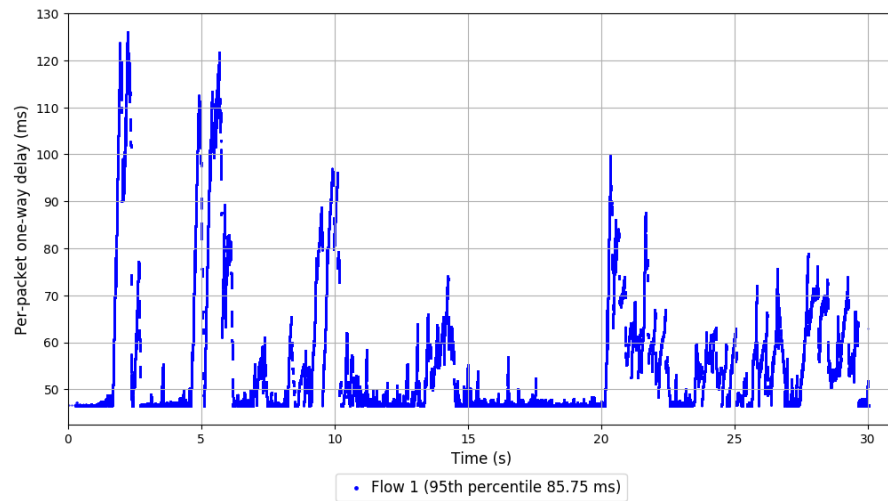
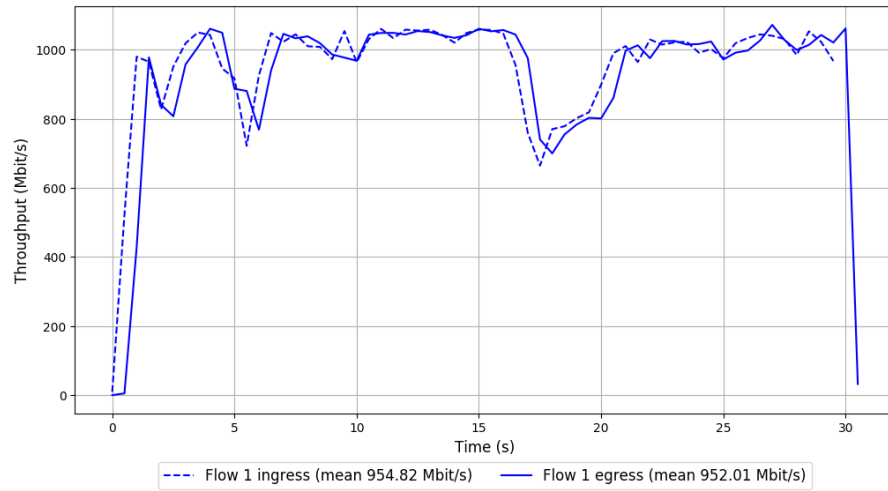


Run 5: Statistics of FillP

Start at: 2019-02-20 21:07:41
End at: 2019-02-20 21:08:11
Local clock offset: -0.168 ms
Remote clock offset: -0.131 ms

Below is generated by plot.py at 2019-02-20 22:27:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 952.01 Mbit/s
95th percentile per-packet one-way delay: 85.749 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 952.01 Mbit/s
95th percentile per-packet one-way delay: 85.749 ms
Loss rate: 0.29%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-02-20 19:07:55

End at: 2019-02-20 19:08:25

Local clock offset: -0.033 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2019-02-20 22:27:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 977.05 Mbit/s

95th percentile per-packet one-way delay: 62.008 ms

Loss rate: 0.03%

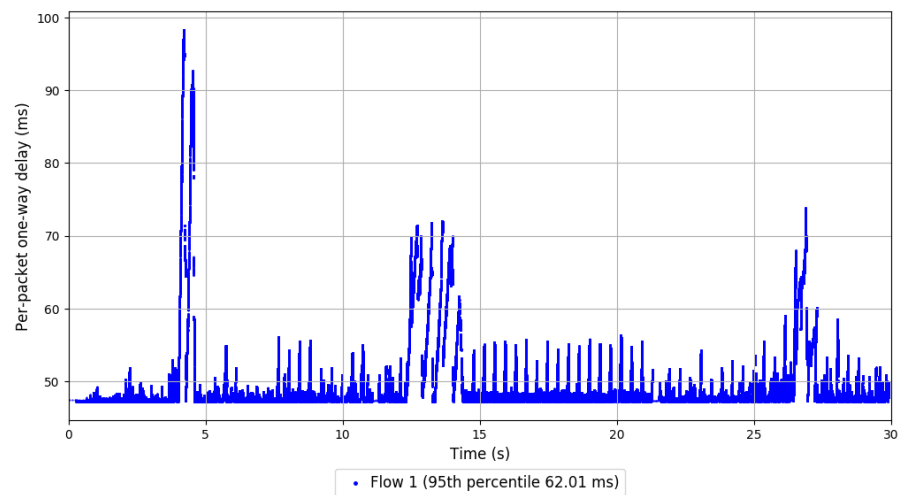
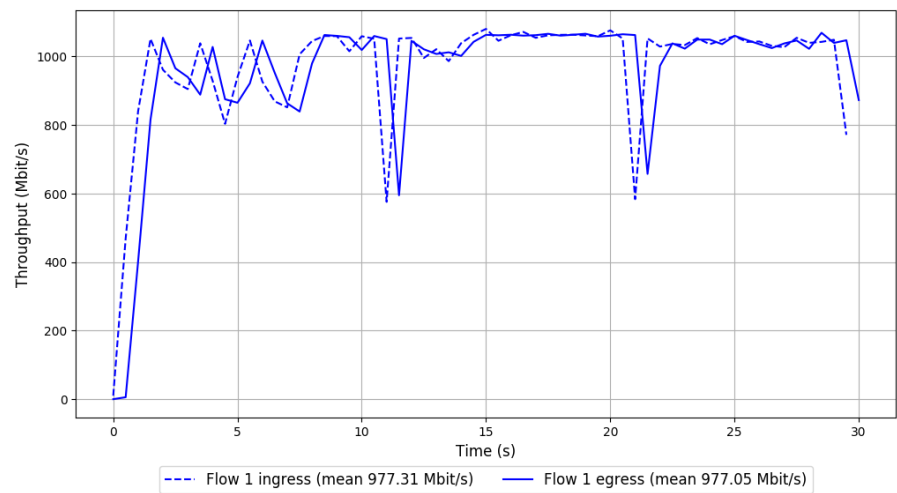
-- Flow 1:

Average throughput: 977.05 Mbit/s

95th percentile per-packet one-way delay: 62.008 ms

Loss rate: 0.03%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2019-02-20 19:39:29

End at: 2019-02-20 19:39:59

Local clock offset: -0.465 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2019-02-20 22:27:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 994.20 Mbit/s

95th percentile per-packet one-way delay: 57.185 ms

Loss rate: 0.00%

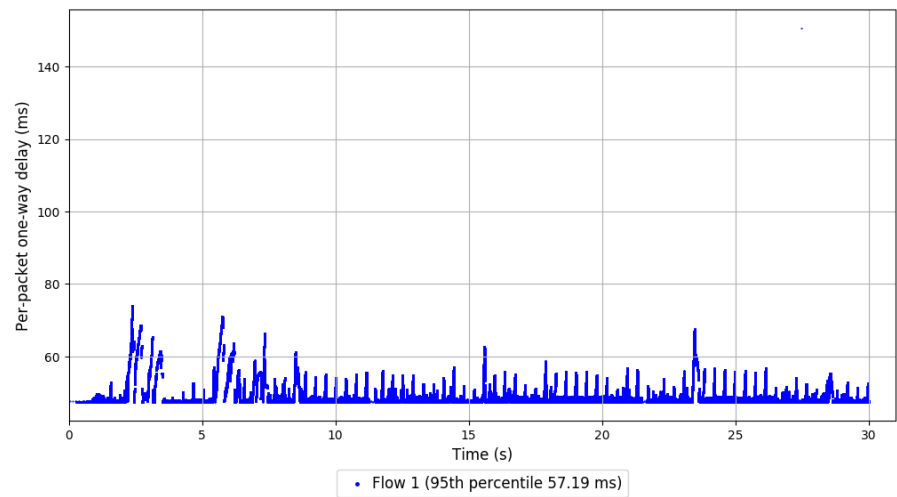
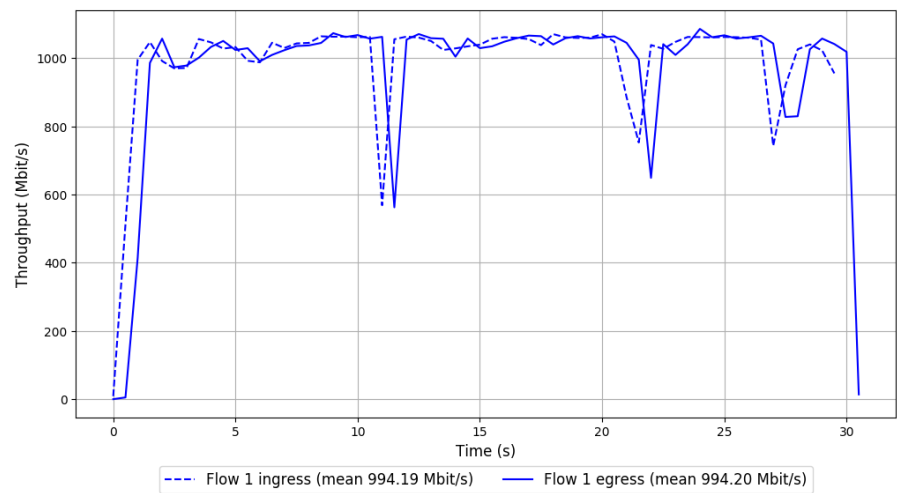
-- Flow 1:

Average throughput: 994.20 Mbit/s

95th percentile per-packet one-way delay: 57.185 ms

Loss rate: 0.00%

Run 2: Report of FillP-Sheep — Data Link

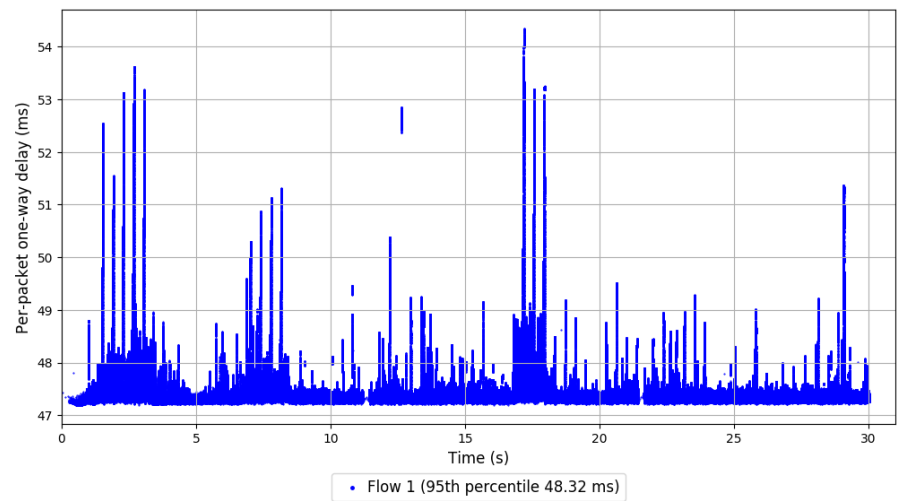
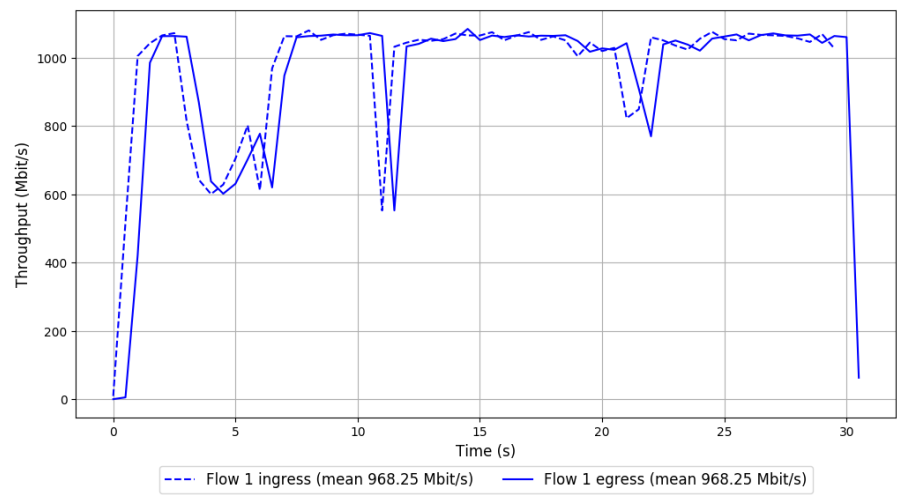


Run 3: Statistics of FillP-Sheep

Start at: 2019-02-20 20:10:53
End at: 2019-02-20 20:11:23
Local clock offset: -0.084 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2019-02-20 22:27:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 968.25 Mbit/s
95th percentile per-packet one-way delay: 48.320 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 968.25 Mbit/s
95th percentile per-packet one-way delay: 48.320 ms
Loss rate: 0.00%

Run 3: Report of FillP-Sheep — Data Link

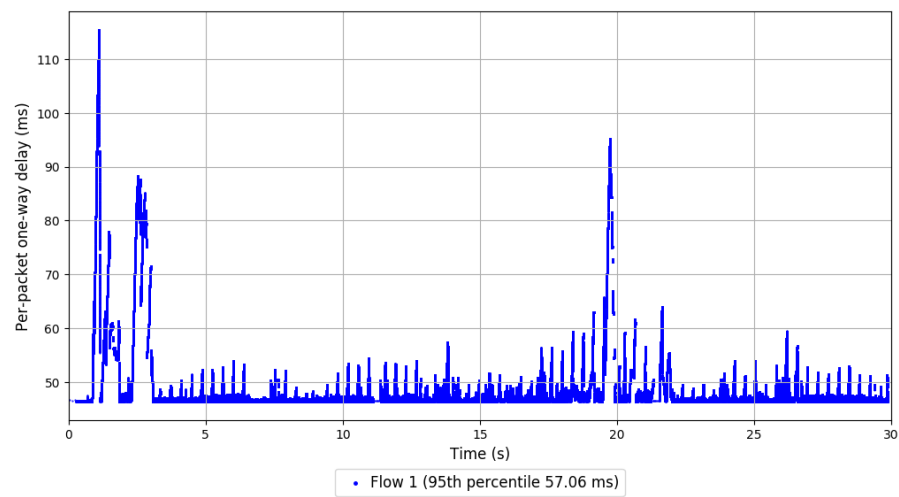
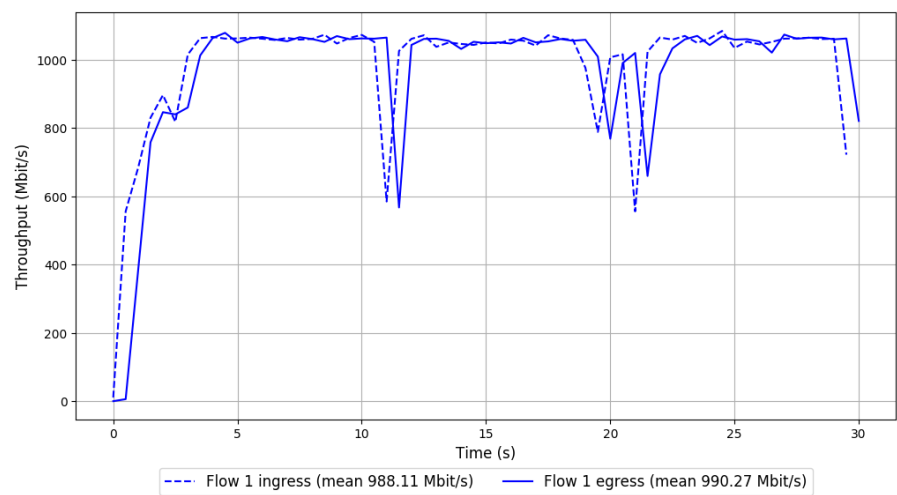


Run 4: Statistics of FillP-Sheep

Start at: 2019-02-20 20:42:20
End at: 2019-02-20 20:42:50
Local clock offset: -0.007 ms
Remote clock offset: -0.122 ms

Below is generated by plot.py at 2019-02-20 22:37:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 990.27 Mbit/s
95th percentile per-packet one-way delay: 57.057 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 990.27 Mbit/s
95th percentile per-packet one-way delay: 57.057 ms
Loss rate: 0.01%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-02-20 21:13:58

End at: 2019-02-20 21:14:28

Local clock offset: -0.115 ms

Remote clock offset: -0.14 ms

Below is generated by plot.py at 2019-02-20 22:46:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 953.73 Mbit/s

95th percentile per-packet one-way delay: 81.925 ms

Loss rate: 0.10%

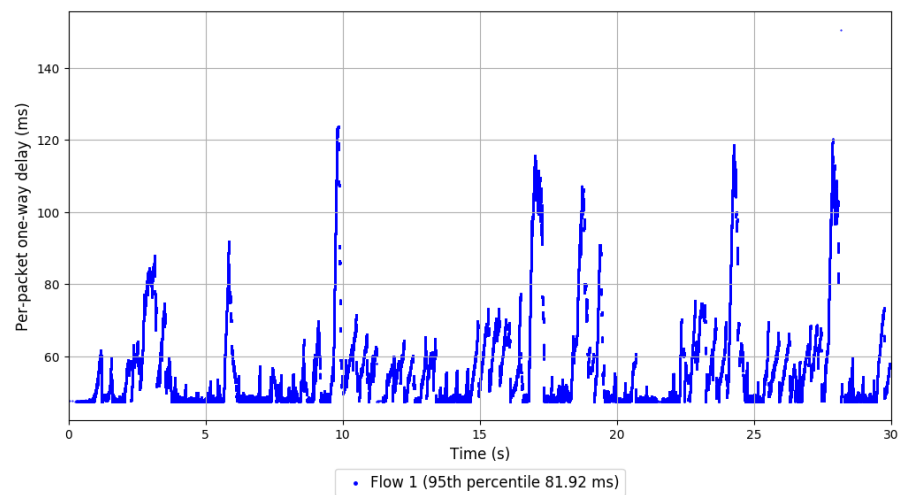
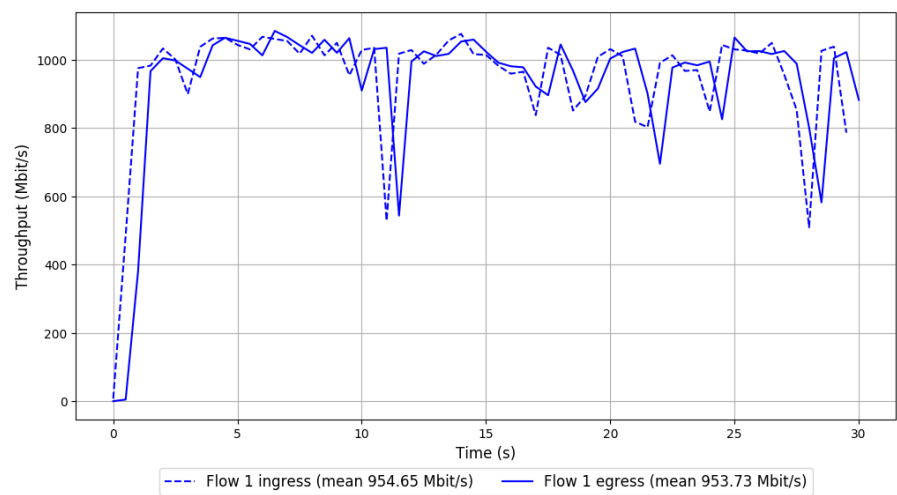
-- Flow 1:

Average throughput: 953.73 Mbit/s

95th percentile per-packet one-way delay: 81.925 ms

Loss rate: 0.10%

Run 5: Report of FillP-Sheep — Data Link

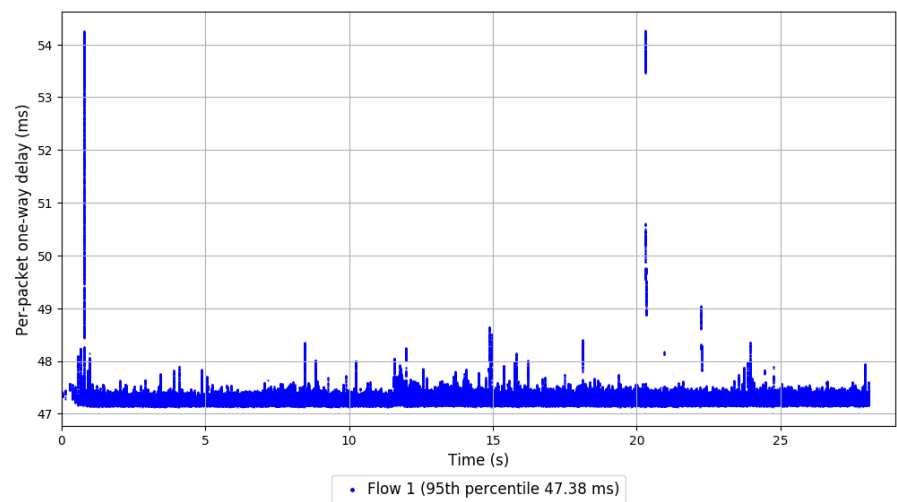
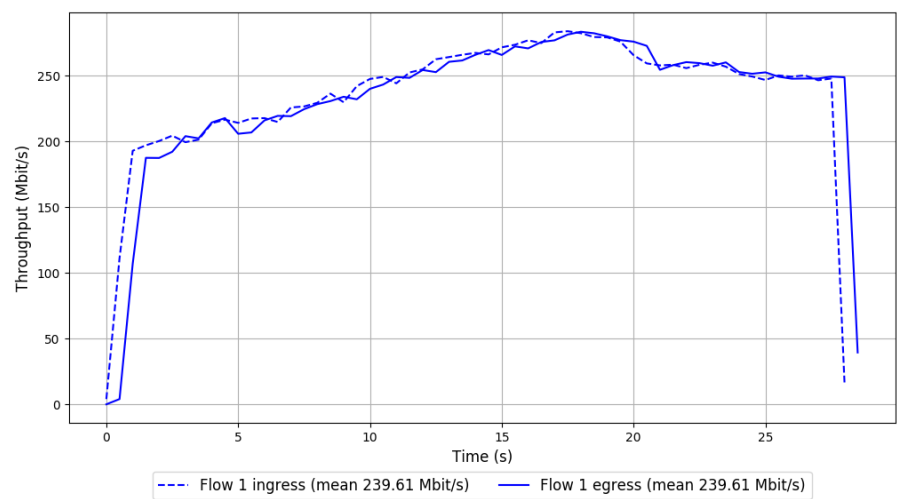


Run 1: Statistics of Indigo

Start at: 2019-02-20 19:20:01
End at: 2019-02-20 19:20:31
Local clock offset: -0.132 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2019-02-20 22:46:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 239.61 Mbit/s
95th percentile per-packet one-way delay: 47.384 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 239.61 Mbit/s
95th percentile per-packet one-way delay: 47.384 ms
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

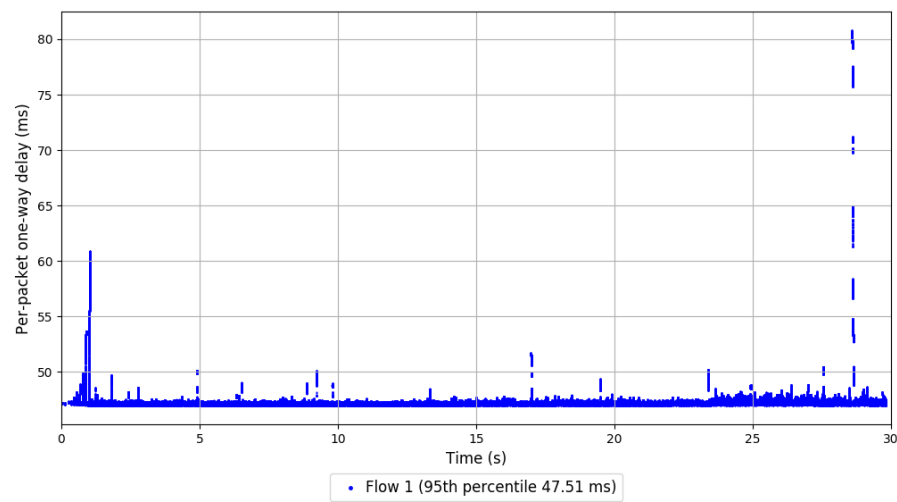
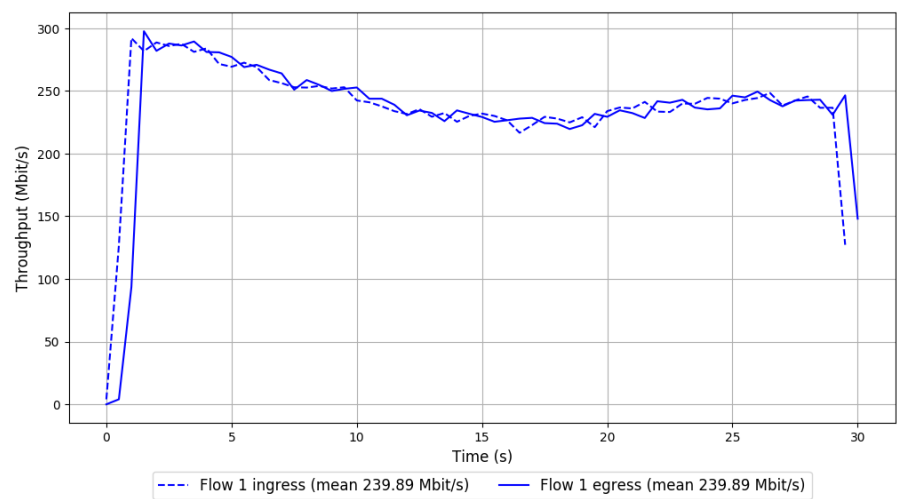


Run 2: Statistics of Indigo

Start at: 2019-02-20 19:51:30
End at: 2019-02-20 19:52:00
Local clock offset: -0.047 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2019-02-20 22:46:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 239.89 Mbit/s
95th percentile per-packet one-way delay: 47.509 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 239.89 Mbit/s
95th percentile per-packet one-way delay: 47.509 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

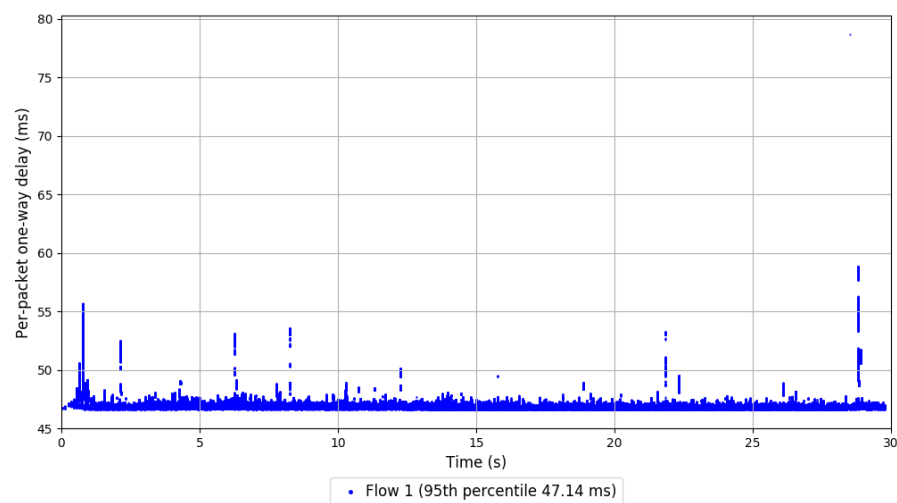
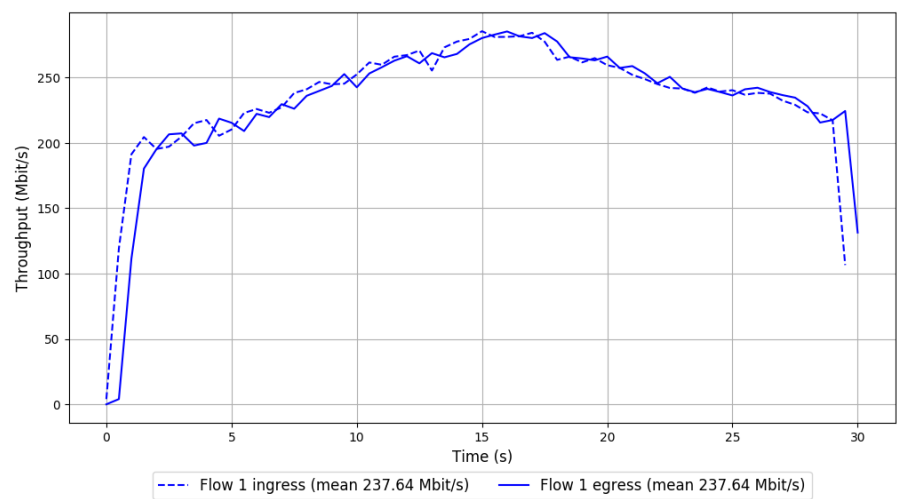


Run 3: Statistics of Indigo

Start at: 2019-02-20 20:22:55
End at: 2019-02-20 20:23:26
Local clock offset: -0.046 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2019-02-20 22:46:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 237.64 Mbit/s
95th percentile per-packet one-way delay: 47.139 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 237.64 Mbit/s
95th percentile per-packet one-way delay: 47.139 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-02-20 20:54:32

End at: 2019-02-20 20:55:02

Local clock offset: -0.088 ms

Remote clock offset: -0.16 ms

Below is generated by plot.py at 2019-02-20 22:46:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 236.27 Mbit/s

95th percentile per-packet one-way delay: 47.932 ms

Loss rate: 0.00%

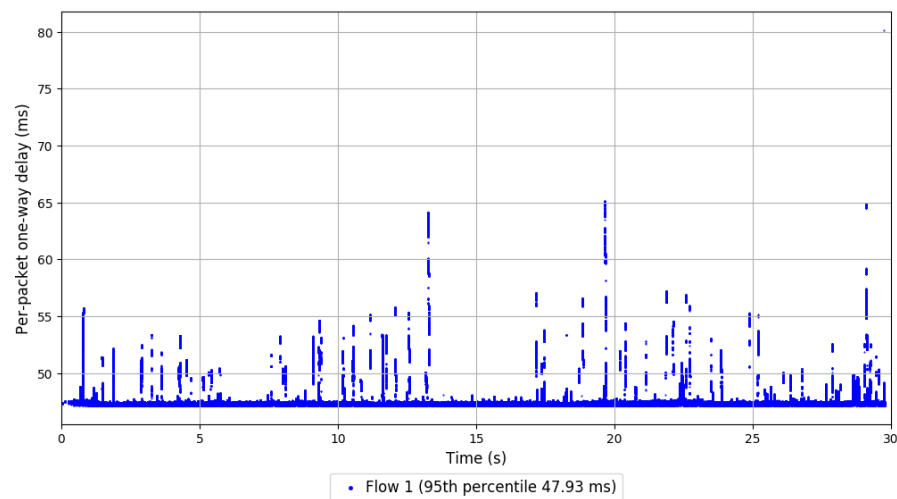
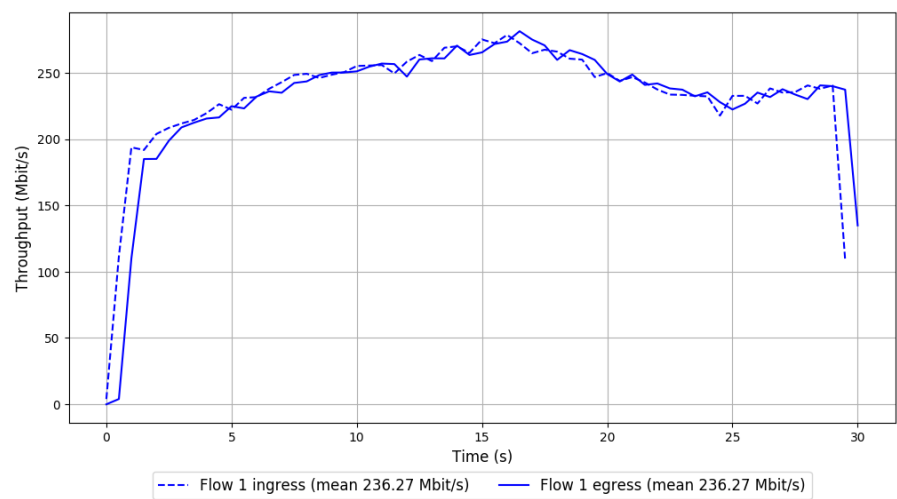
-- Flow 1:

Average throughput: 236.27 Mbit/s

95th percentile per-packet one-way delay: 47.932 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-02-20 21:25:55

End at: 2019-02-20 21:26:25

Local clock offset: -0.122 ms

Remote clock offset: -0.2 ms

Below is generated by plot.py at 2019-02-20 22:46:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 238.92 Mbit/s

95th percentile per-packet one-way delay: 47.362 ms

Loss rate: 0.00%

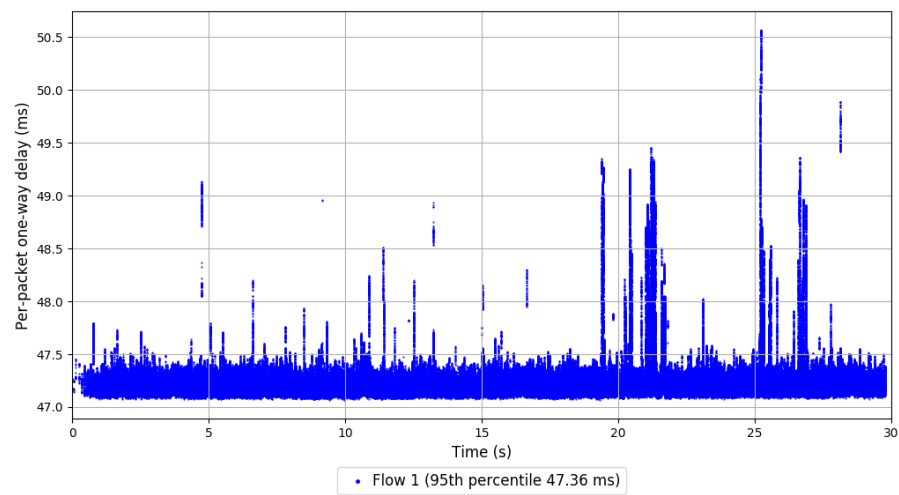
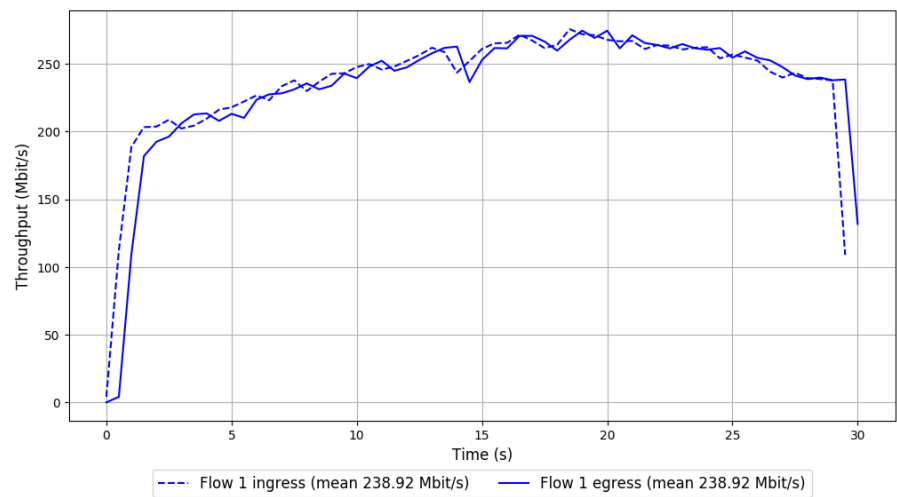
-- Flow 1:

Average throughput: 238.92 Mbit/s

95th percentile per-packet one-way delay: 47.362 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

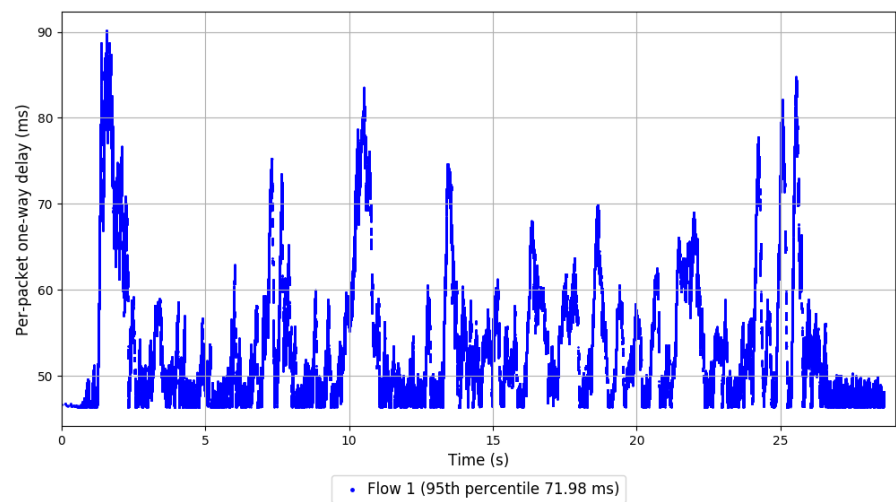
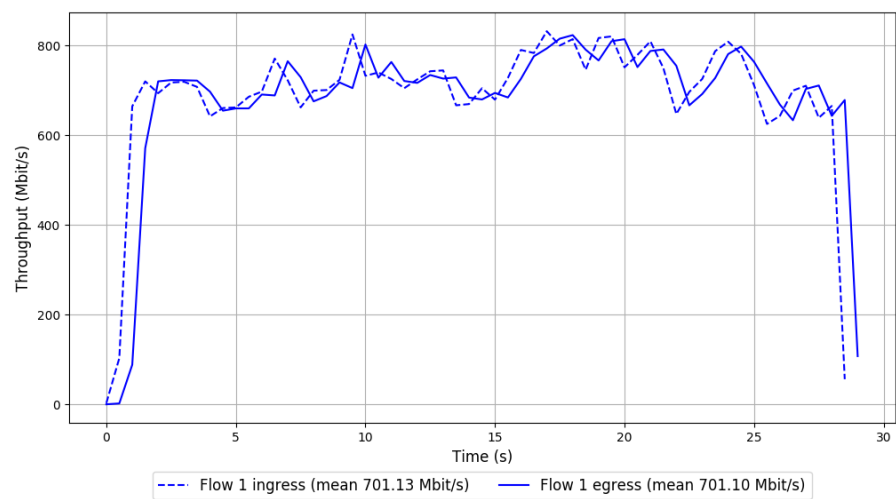


Run 1: Statistics of Indigo-MusesC3

Start at: 2019-02-20 19:06:15
End at: 2019-02-20 19:06:45
Local clock offset: -0.018 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2019-02-20 22:46:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 701.10 Mbit/s
95th percentile per-packet one-way delay: 71.981 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 701.10 Mbit/s
95th percentile per-packet one-way delay: 71.981 ms
Loss rate: 0.00%

Run 1: Report of Indigo-MusesC3 — Data Link

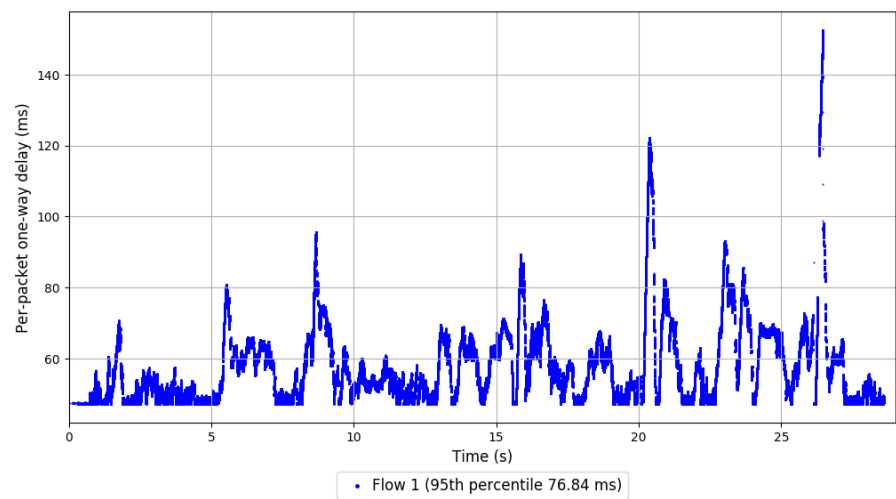
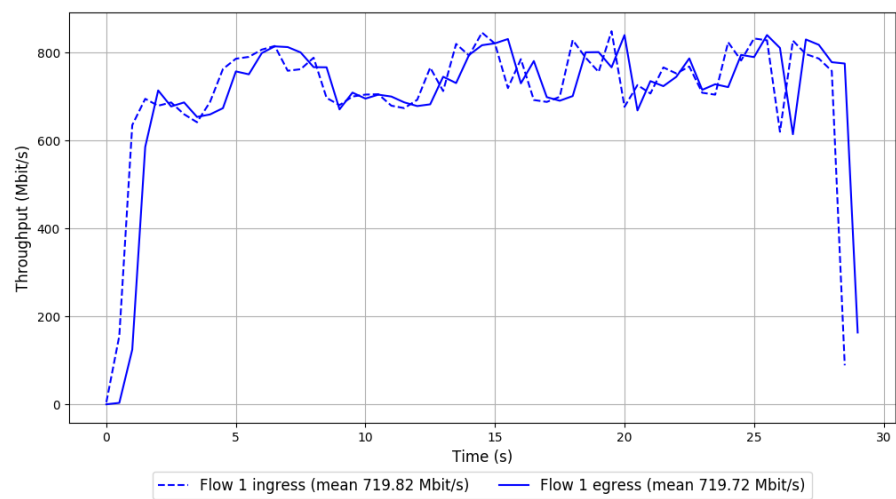


Run 2: Statistics of Indigo-MusesC3

Start at: 2019-02-20 19:37:50
End at: 2019-02-20 19:38:20
Local clock offset: -0.127 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2019-02-20 22:46:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 719.72 Mbit/s
95th percentile per-packet one-way delay: 76.845 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 719.72 Mbit/s
95th percentile per-packet one-way delay: 76.845 ms
Loss rate: 0.01%

Run 2: Report of Indigo-MusesC3 — Data Link

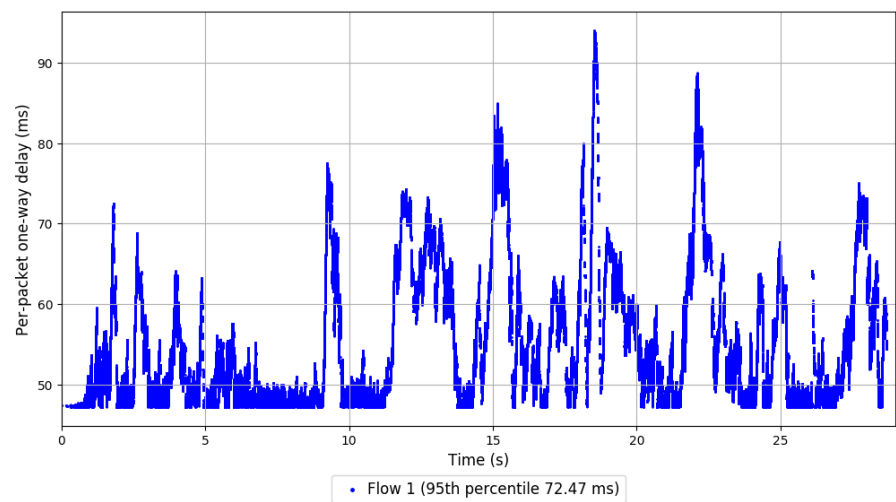
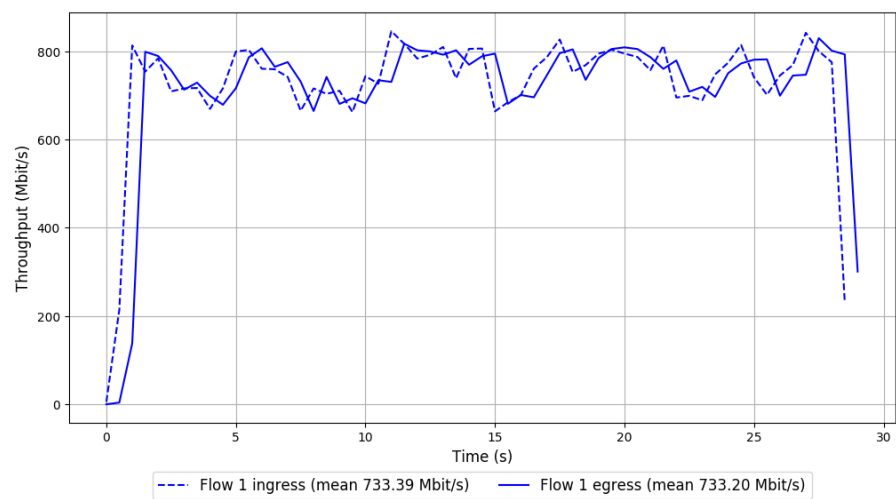


Run 3: Statistics of Indigo-MusesC3

Start at: 2019-02-20 20:09:13
End at: 2019-02-20 20:09:43
Local clock offset: -0.113 ms
Remote clock offset: -0.109 ms

Below is generated by plot.py at 2019-02-20 22:47:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 733.20 Mbit/s
95th percentile per-packet one-way delay: 72.466 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 733.20 Mbit/s
95th percentile per-packet one-way delay: 72.466 ms
Loss rate: 0.03%

Run 3: Report of Indigo-MusesC3 — Data Link

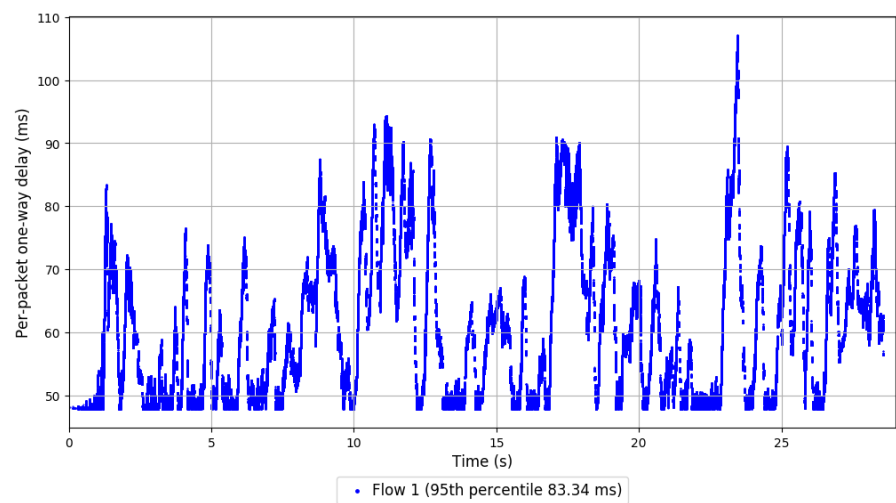
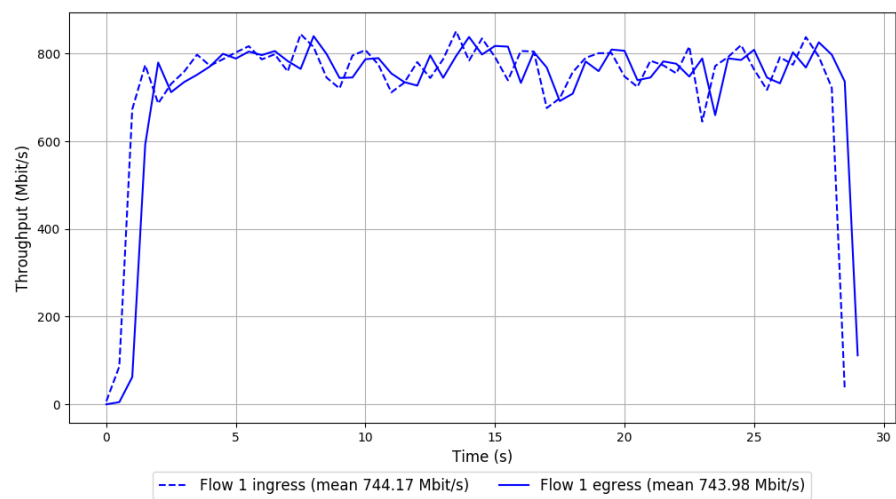


Run 4: Statistics of Indigo-MusesC3

Start at: 2019-02-20 20:40:39
End at: 2019-02-20 20:41:09
Local clock offset: -0.411 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2019-02-20 22:47:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 743.98 Mbit/s
95th percentile per-packet one-way delay: 83.342 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 743.98 Mbit/s
95th percentile per-packet one-way delay: 83.342 ms
Loss rate: 0.03%

Run 4: Report of Indigo-MusesC3 — Data Link

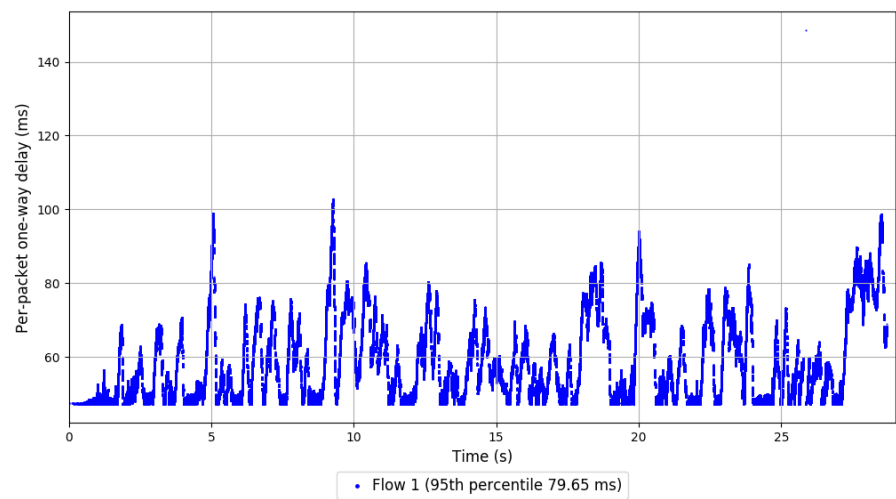
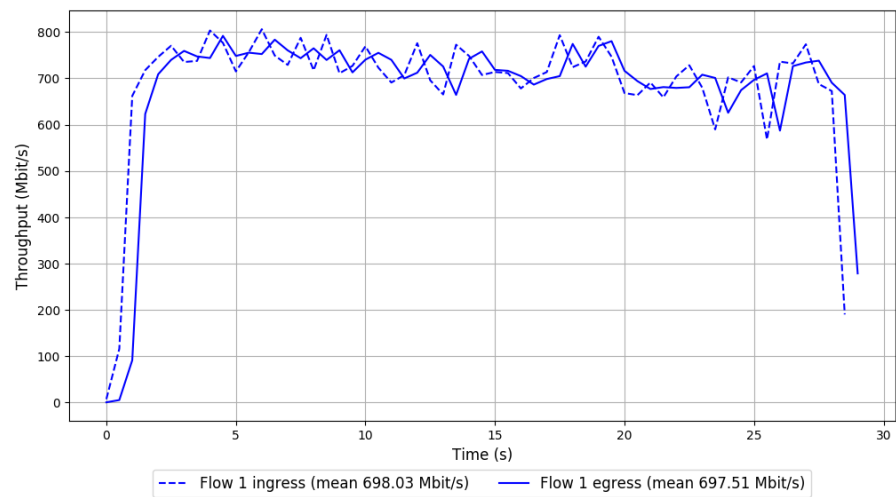


Run 5: Statistics of Indigo-MusesC3

Start at: 2019-02-20 21:12:20
End at: 2019-02-20 21:12:50
Local clock offset: -0.126 ms
Remote clock offset: -0.155 ms

Below is generated by plot.py at 2019-02-20 22:47:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 697.51 Mbit/s
95th percentile per-packet one-way delay: 79.653 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 697.51 Mbit/s
95th percentile per-packet one-way delay: 79.653 ms
Loss rate: 0.07%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

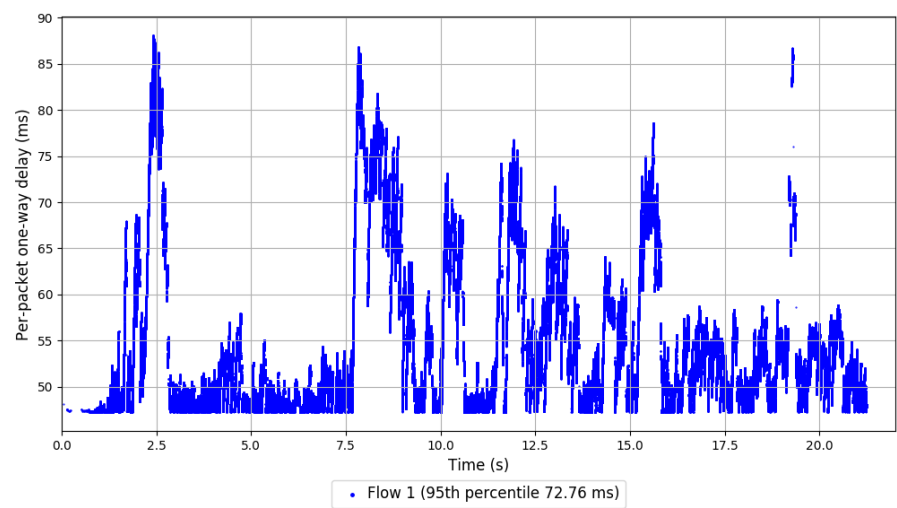
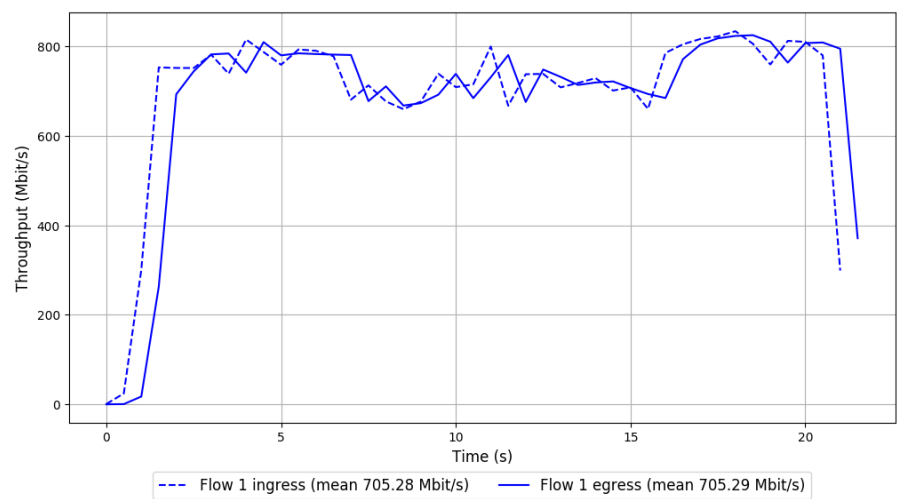
Start at: 2019-02-20 18:58:27

End at: 2019-02-20 18:58:57

Local clock offset: 0.025 ms

Remote clock offset: 0.031 ms

Run 1: Report of Indigo-MusesC5 — Data Link

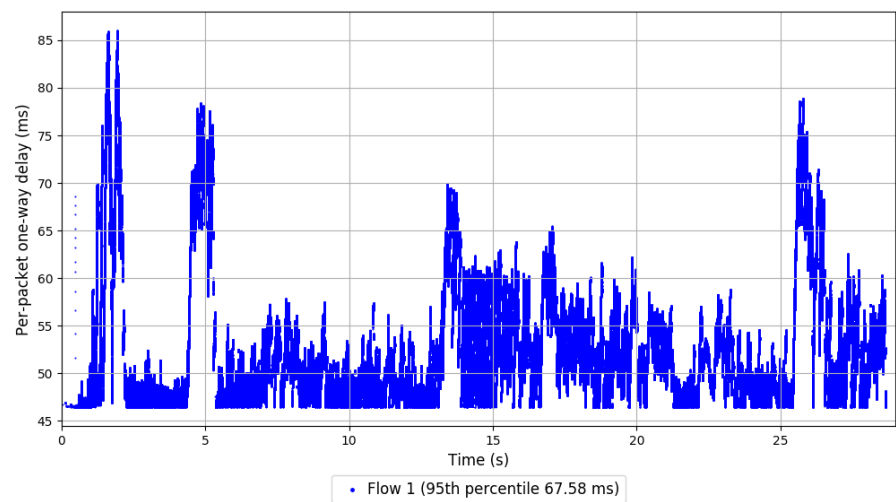
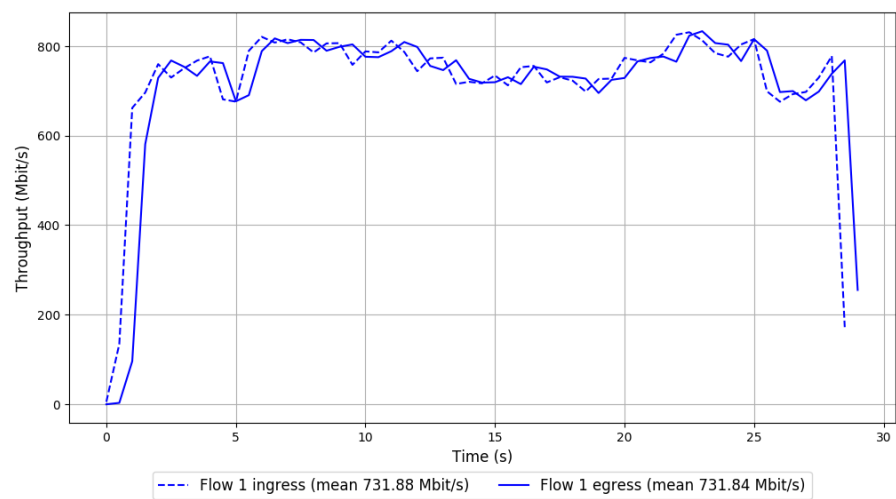


Run 2: Statistics of Indigo-MusesC5

Start at: 2019-02-20 19:29:49
End at: 2019-02-20 19:30:19
Local clock offset: -0.124 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2019-02-20 22:50:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 731.84 Mbit/s
95th percentile per-packet one-way delay: 67.582 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 731.84 Mbit/s
95th percentile per-packet one-way delay: 67.582 ms
Loss rate: 0.00%

Run 2: Report of Indigo-MusesC5 — Data Link

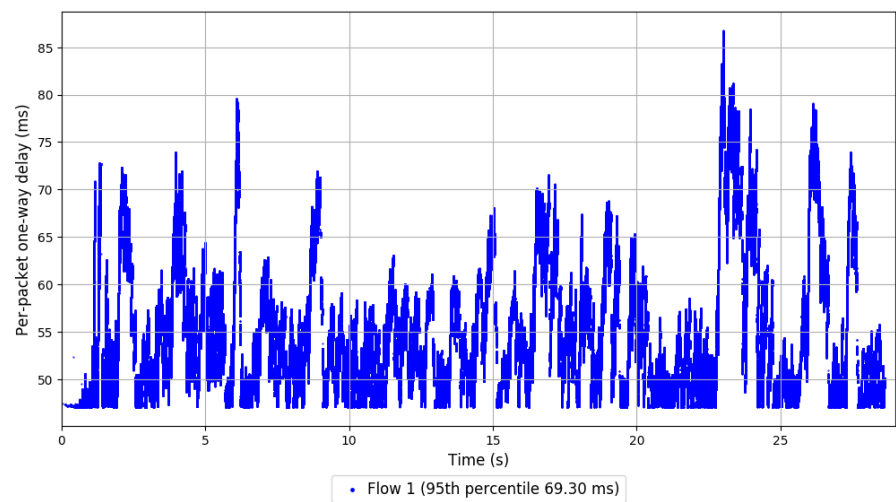
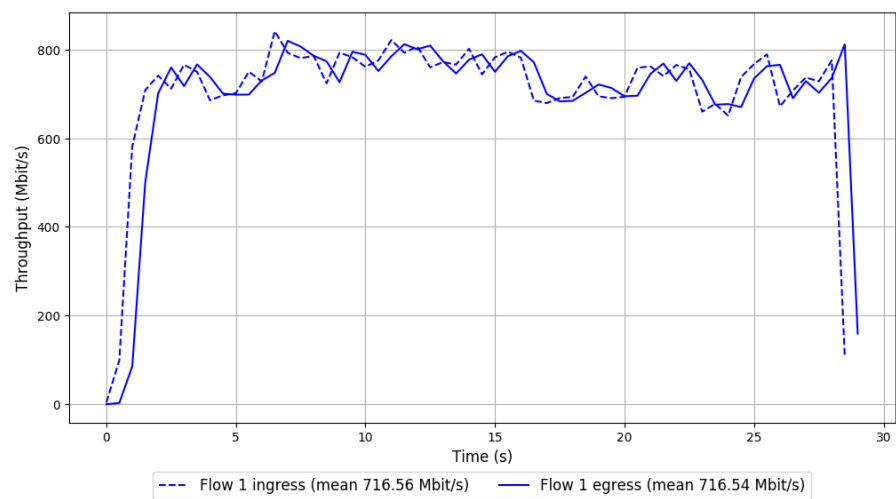


Run 3: Statistics of Indigo-MusesC5

Start at: 2019-02-20 20:01:17
End at: 2019-02-20 20:01:47
Local clock offset: -0.081 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2019-02-20 22:51:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 716.54 Mbit/s
95th percentile per-packet one-way delay: 69.303 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 716.54 Mbit/s
95th percentile per-packet one-way delay: 69.303 ms
Loss rate: 0.00%

Run 3: Report of Indigo-MusesC5 — Data Link

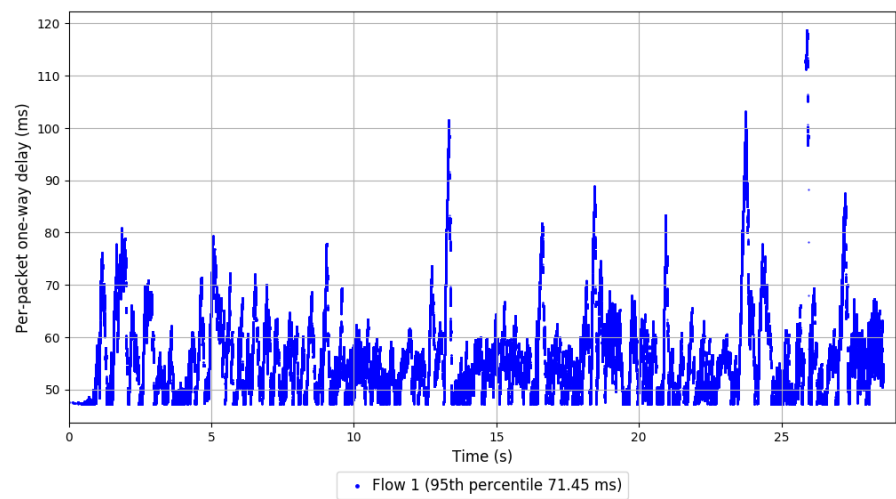
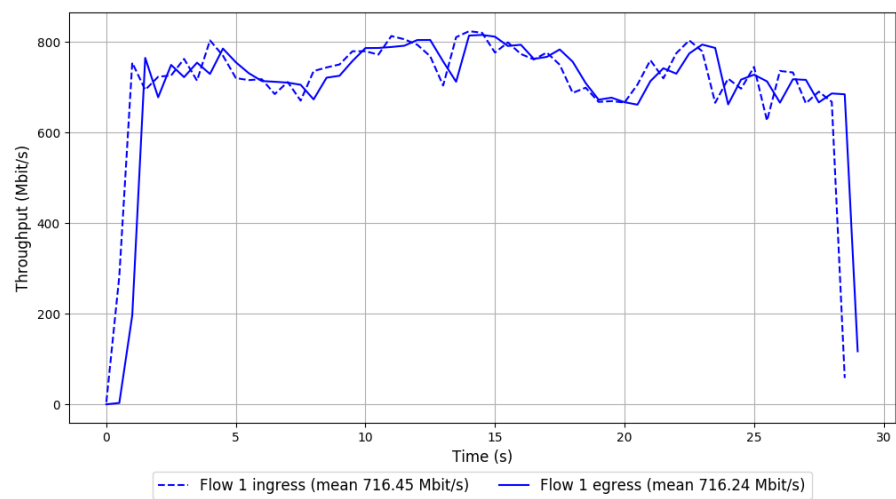


Run 4: Statistics of Indigo-MusesC5

Start at: 2019-02-20 20:32:42
End at: 2019-02-20 20:33:12
Local clock offset: -0.039 ms
Remote clock offset: -0.112 ms

Below is generated by plot.py at 2019-02-20 22:57:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 716.24 Mbit/s
95th percentile per-packet one-way delay: 71.446 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 716.24 Mbit/s
95th percentile per-packet one-way delay: 71.446 ms
Loss rate: 0.03%

Run 4: Report of Indigo-MusesC5 — Data Link

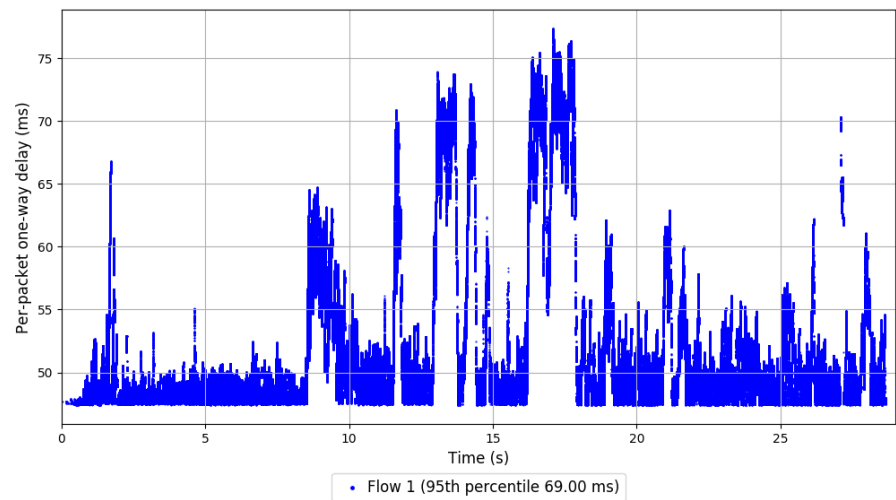
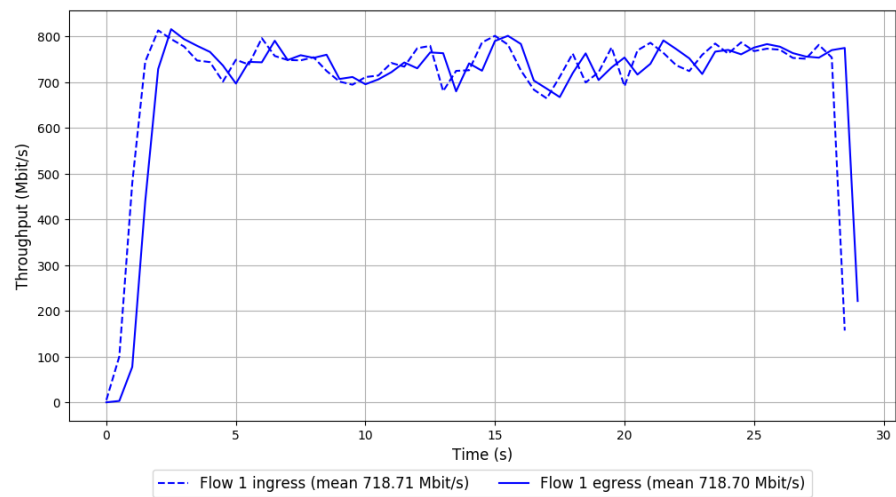


Run 5: Statistics of Indigo-MusesC5

Start at: 2019-02-20 21:04:21
End at: 2019-02-20 21:04:52
Local clock offset: -0.117 ms
Remote clock offset: -0.149 ms

Below is generated by plot.py at 2019-02-20 22:58:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 718.70 Mbit/s
95th percentile per-packet one-way delay: 68.996 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 718.70 Mbit/s
95th percentile per-packet one-way delay: 68.996 ms
Loss rate: 0.00%

Run 5: Report of Indigo-MusesC5 — Data Link

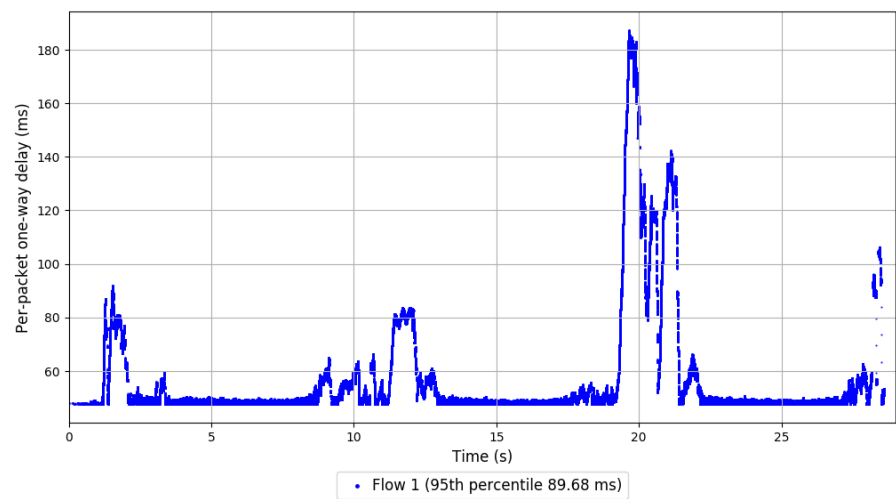
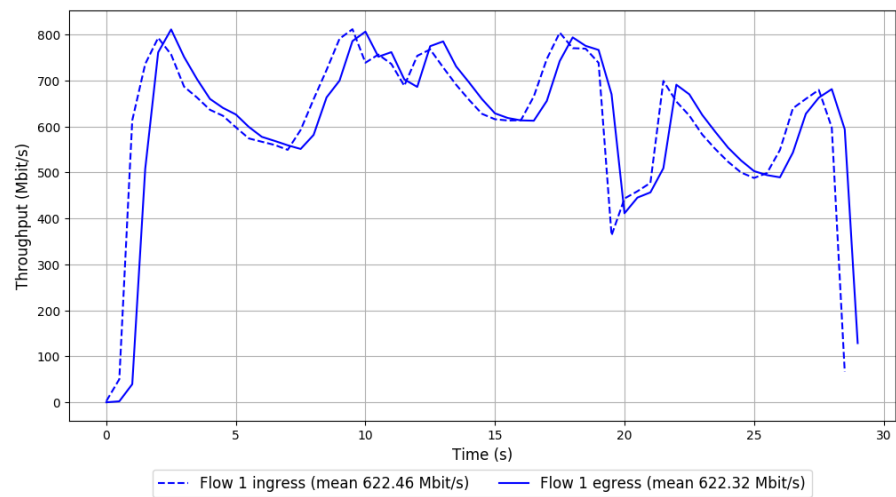


Run 1: Statistics of Indigo-MusesD

Start at: 2019-02-20 19:17:15
End at: 2019-02-20 19:17:45
Local clock offset: -0.428 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2019-02-20 22:58:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 622.32 Mbit/s
95th percentile per-packet one-way delay: 89.678 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 622.32 Mbit/s
95th percentile per-packet one-way delay: 89.678 ms
Loss rate: 0.01%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-02-20 19:48:44

End at: 2019-02-20 19:49:14

Local clock offset: 0.309 ms

Remote clock offset: -0.079 ms

Below is generated by plot.py at 2019-02-20 22:58:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 634.71 Mbit/s

95th percentile per-packet one-way delay: 73.452 ms

Loss rate: 0.00%

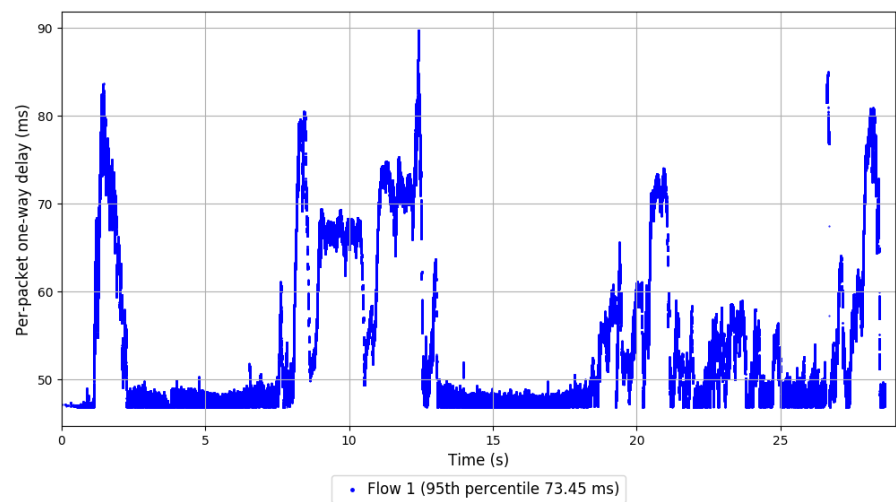
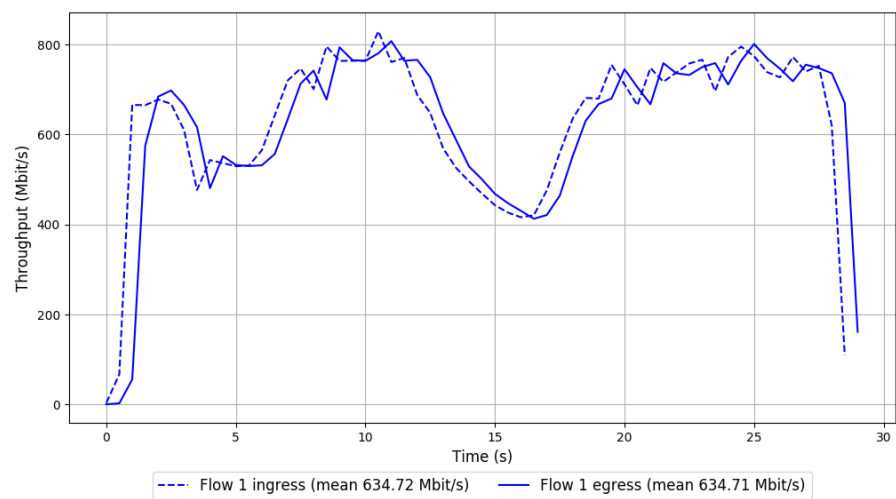
-- Flow 1:

Average throughput: 634.71 Mbit/s

95th percentile per-packet one-way delay: 73.452 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesD — Data Link

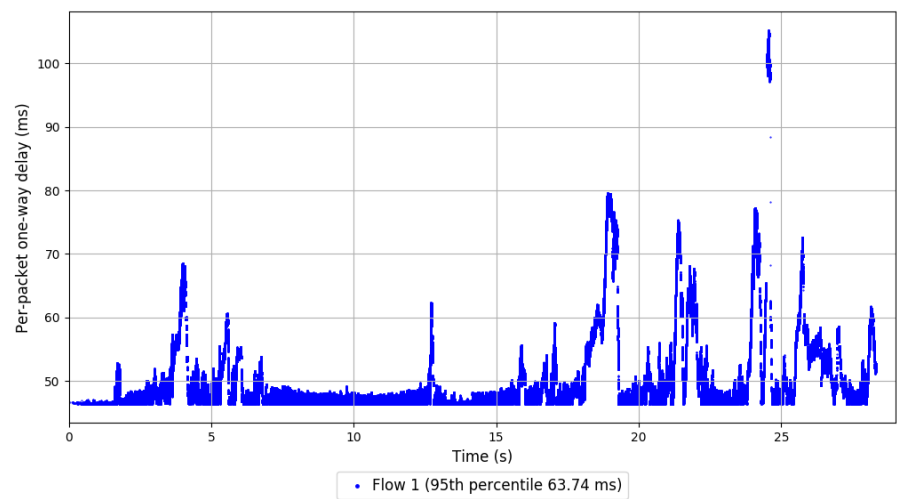
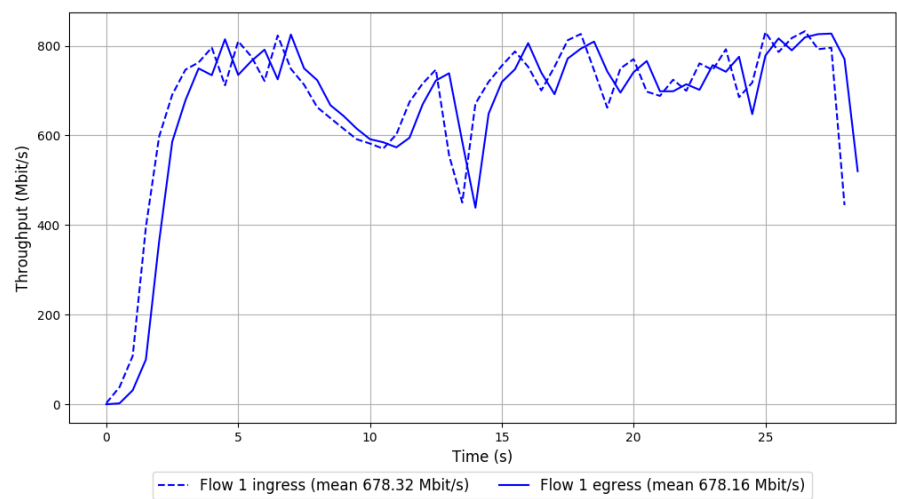


Run 3: Statistics of Indigo-MusesD

Start at: 2019-02-20 20:20:06
End at: 2019-02-20 20:20:36
Local clock offset: -0.034 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2019-02-20 22:59:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 678.16 Mbit/s
95th percentile per-packet one-way delay: 63.741 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 678.16 Mbit/s
95th percentile per-packet one-way delay: 63.741 ms
Loss rate: 0.02%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-02-20 20:51:42

End at: 2019-02-20 20:52:12

Local clock offset: -0.07 ms

Remote clock offset: -0.101 ms

Below is generated by plot.py at 2019-02-20 23:00:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 715.51 Mbit/s

95th percentile per-packet one-way delay: 75.390 ms

Loss rate: 0.09%

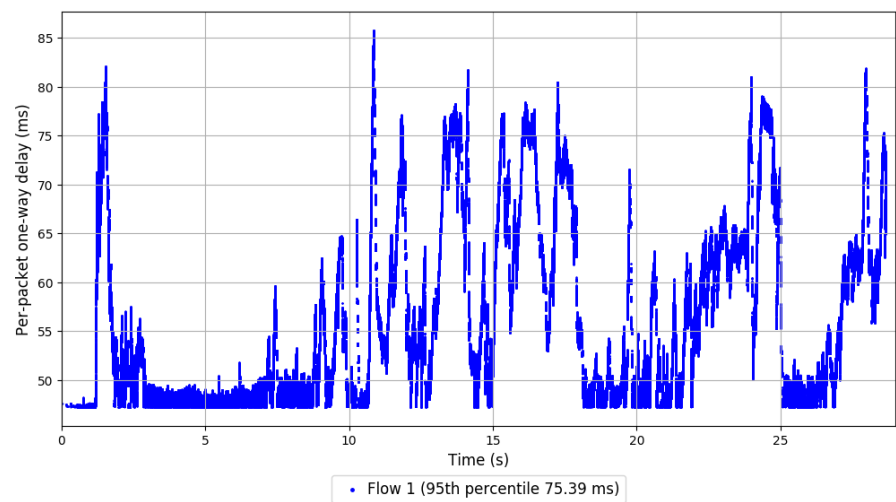
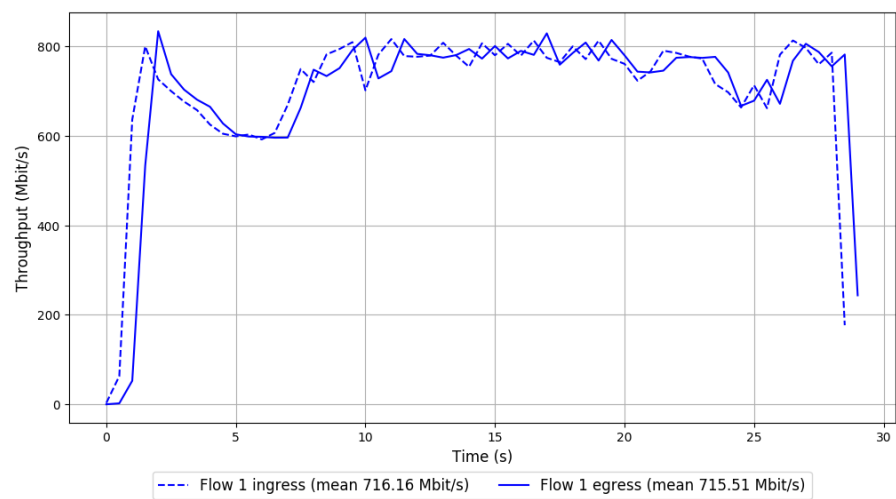
-- Flow 1:

Average throughput: 715.51 Mbit/s

95th percentile per-packet one-way delay: 75.390 ms

Loss rate: 0.09%

Run 4: Report of Indigo-MusesD — Data Link

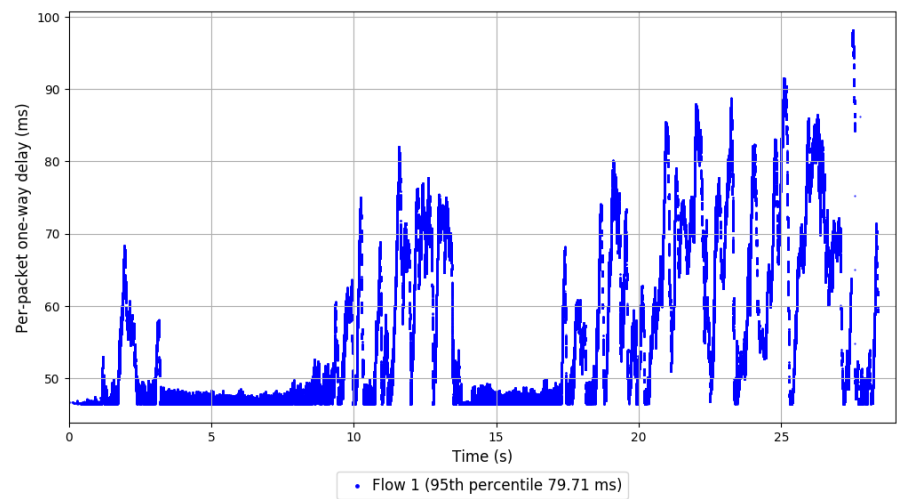
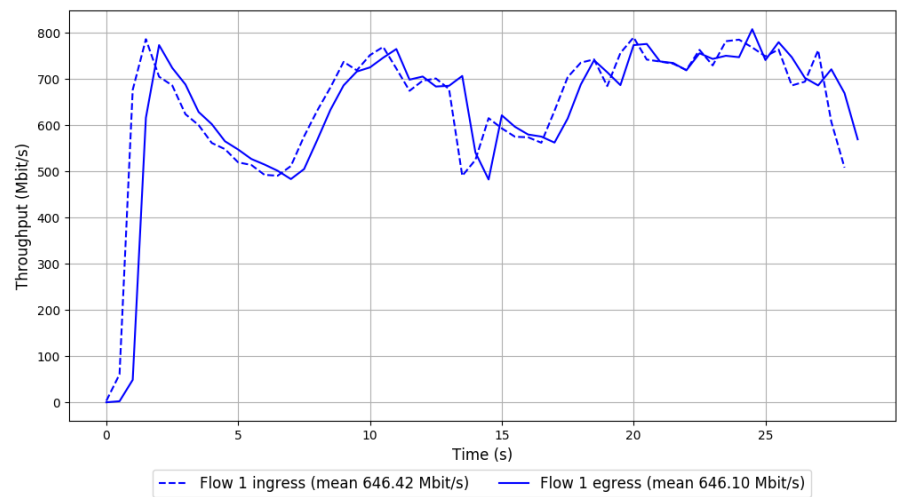


Run 5: Statistics of Indigo-MusesD

Start at: 2019-02-20 21:23:07
End at: 2019-02-20 21:23:37
Local clock offset: -0.123 ms
Remote clock offset: -0.153 ms

Below is generated by plot.py at 2019-02-20 23:01:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 646.10 Mbit/s
95th percentile per-packet one-way delay: 79.707 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 646.10 Mbit/s
95th percentile per-packet one-way delay: 79.707 ms
Loss rate: 0.05%

Run 5: Report of Indigo-MusesD — Data Link

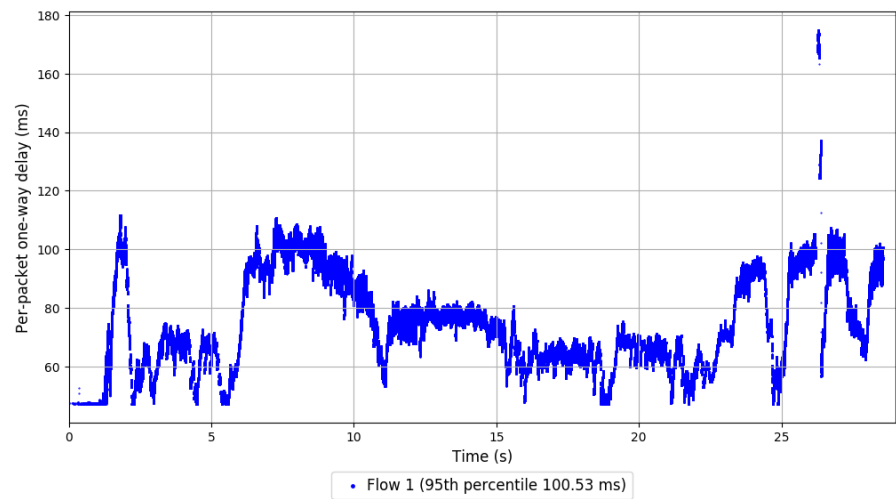
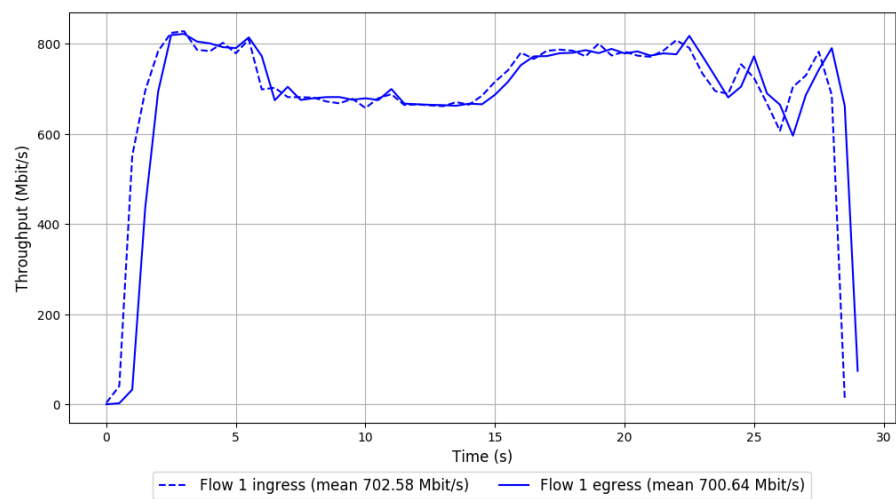


```
Run 1: Statistics of Indigo-MusesT

Start at: 2019-02-20 18:59:58
End at: 2019-02-20 19:00:28
Local clock offset: -0.024 ms
Remote clock offset: 0.053 ms

# Below is generated by plot.py at 2019-02-20 23:03:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 700.64 Mbit/s
95th percentile per-packet one-way delay: 100.526 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 700.64 Mbit/s
95th percentile per-packet one-way delay: 100.526 ms
Loss rate: 0.26%
```

Run 1: Report of Indigo-MusesT — Data Link

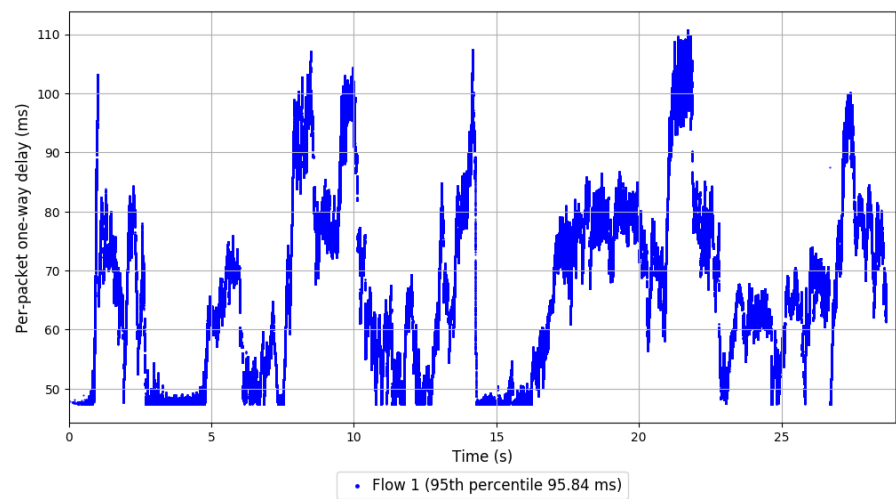
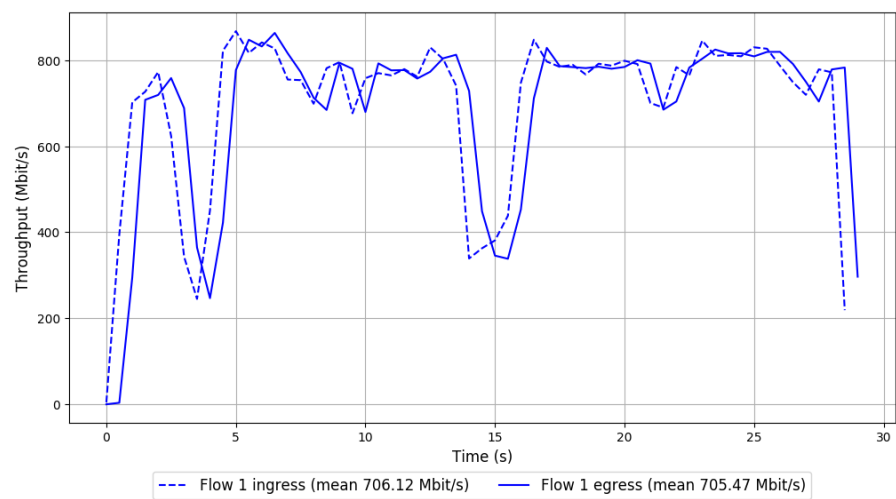


Run 2: Statistics of Indigo-MusesT

Start at: 2019-02-20 19:31:29
End at: 2019-02-20 19:31:59
Local clock offset: -0.109 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2019-02-20 23:08:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 705.47 Mbit/s
95th percentile per-packet one-way delay: 95.845 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 705.47 Mbit/s
95th percentile per-packet one-way delay: 95.845 ms
Loss rate: 0.09%

Run 2: Report of Indigo-MusesT — Data Link

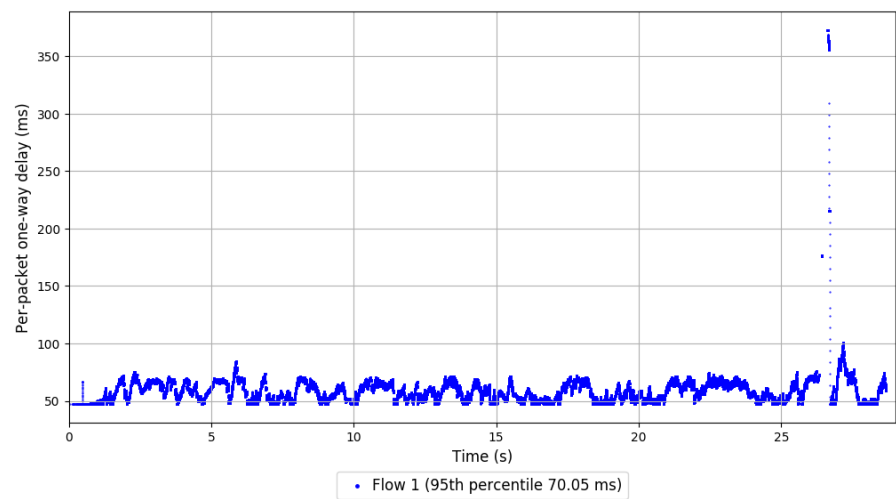
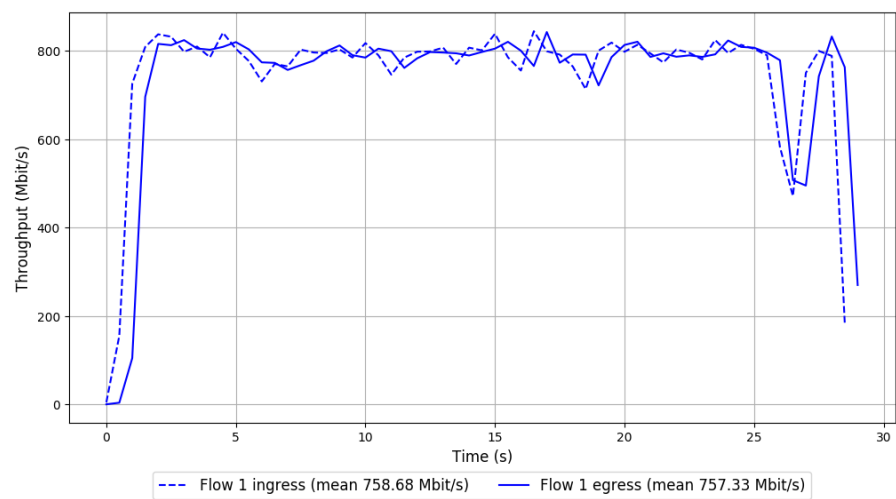


Run 3: Statistics of Indigo-MusesT

Start at: 2019-02-20 20:02:56
End at: 2019-02-20 20:03:26
Local clock offset: -0.103 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2019-02-20 23:09:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 757.33 Mbit/s
95th percentile per-packet one-way delay: 70.050 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 757.33 Mbit/s
95th percentile per-packet one-way delay: 70.050 ms
Loss rate: 0.18%

Run 3: Report of Indigo-MusesT — Data Link

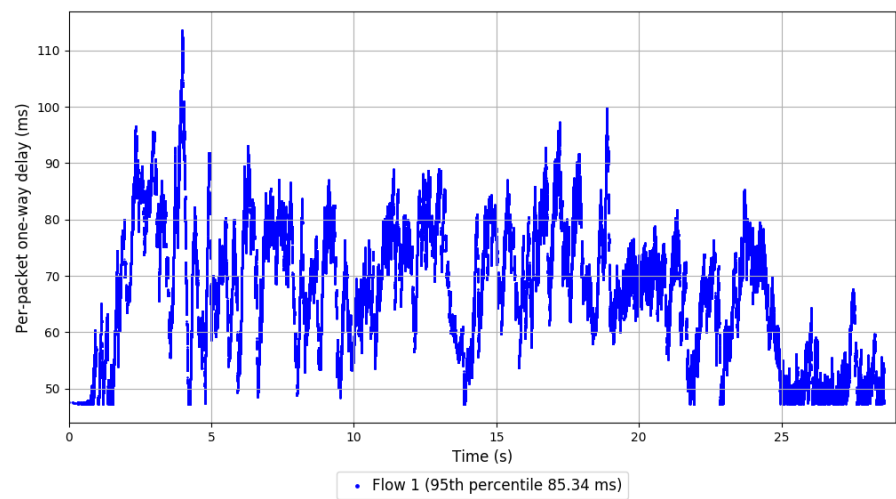
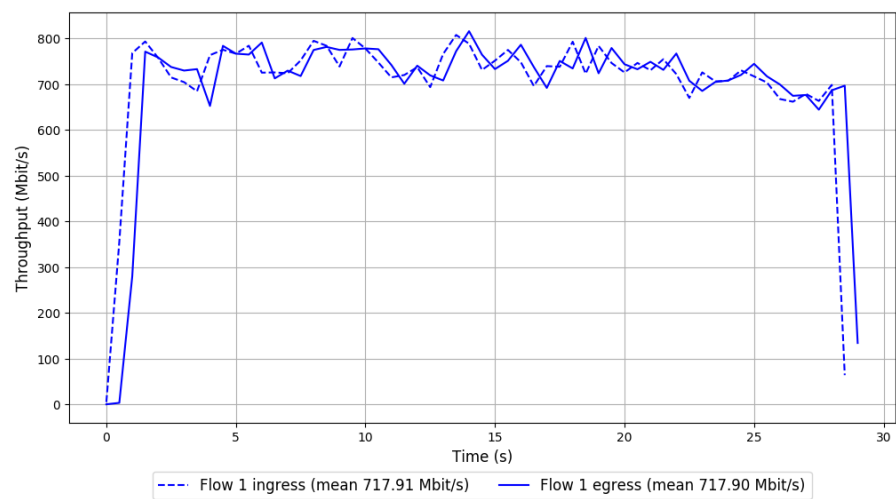


Run 4: Statistics of Indigo-MusesT

Start at: 2019-02-20 20:34:21
End at: 2019-02-20 20:34:51
Local clock offset: -0.036 ms
Remote clock offset: -0.119 ms

Below is generated by plot.py at 2019-02-20 23:09:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 717.90 Mbit/s
95th percentile per-packet one-way delay: 85.340 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 717.90 Mbit/s
95th percentile per-packet one-way delay: 85.340 ms
Loss rate: 0.00%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-02-20 21:06:02

End at: 2019-02-20 21:06:32

Local clock offset: -0.128 ms

Remote clock offset: -0.142 ms

Below is generated by plot.py at 2019-02-20 23:10:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 703.38 Mbit/s

95th percentile per-packet one-way delay: 98.178 ms

Loss rate: 0.20%

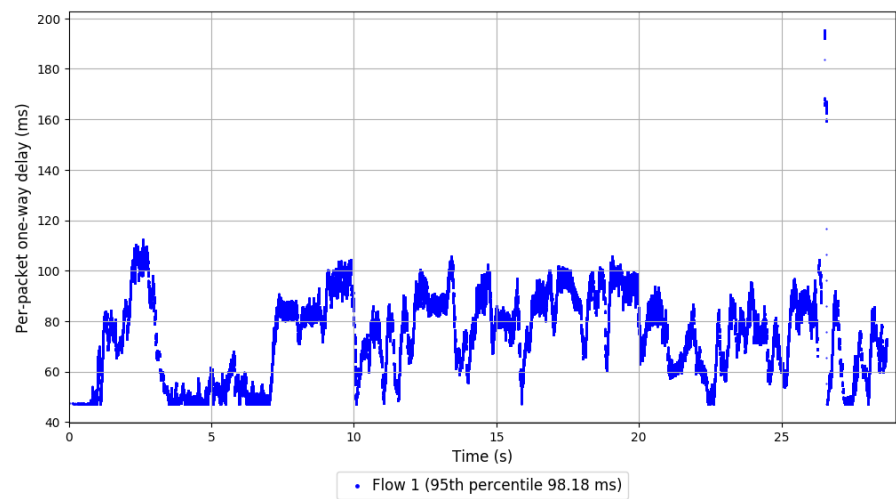
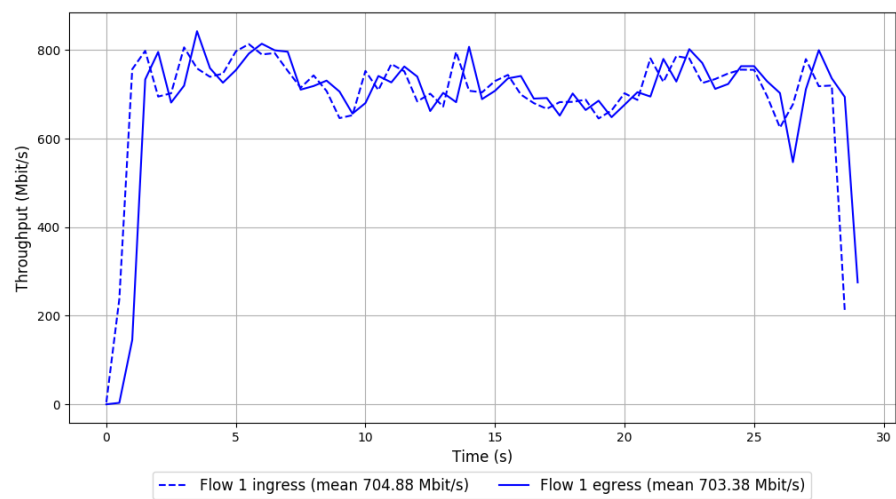
-- Flow 1:

Average throughput: 703.38 Mbit/s

95th percentile per-packet one-way delay: 98.178 ms

Loss rate: 0.20%

Run 5: Report of Indigo-MusesT — Data Link

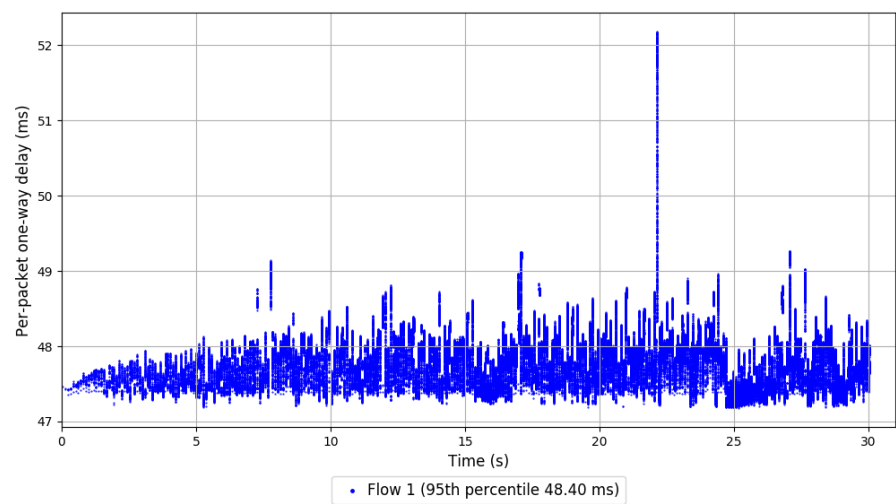
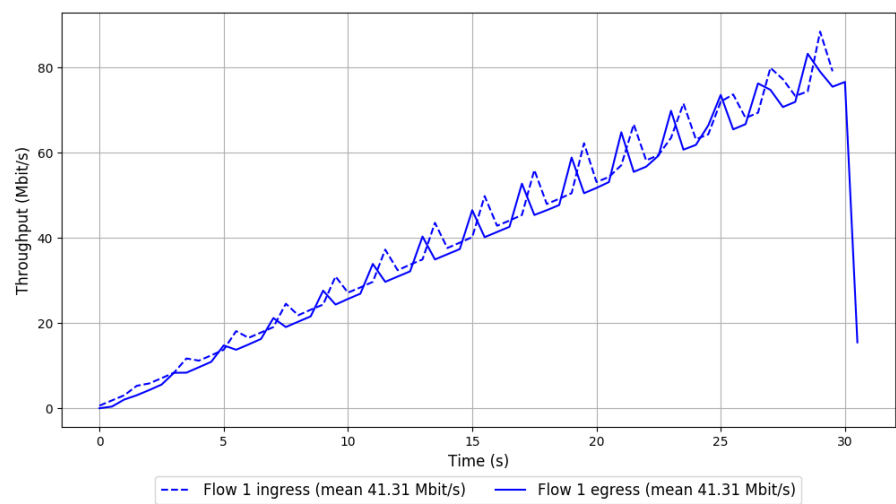


Run 1: Statistics of LEDBAT

Start at: 2019-02-20 19:24:15
End at: 2019-02-20 19:24:45
Local clock offset: -0.09 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2019-02-20 23:10:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 41.31 Mbit/s
95th percentile per-packet one-way delay: 48.399 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.31 Mbit/s
95th percentile per-packet one-way delay: 48.399 ms
Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link

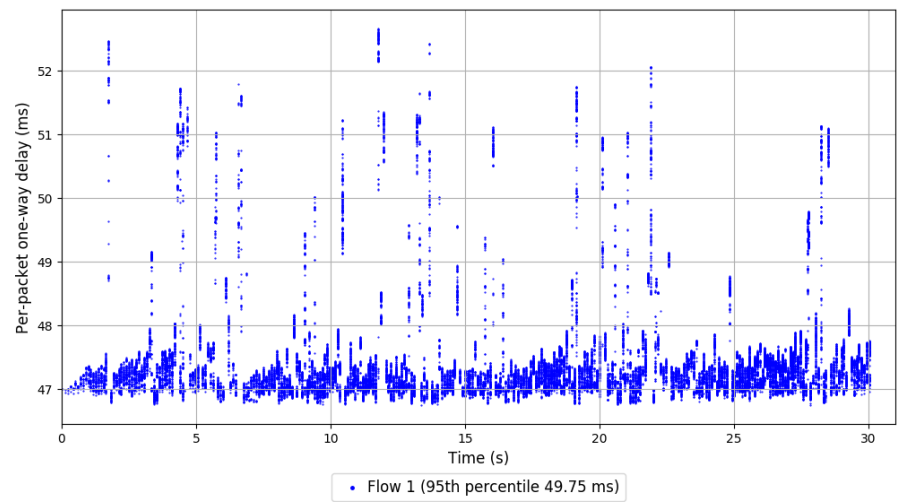
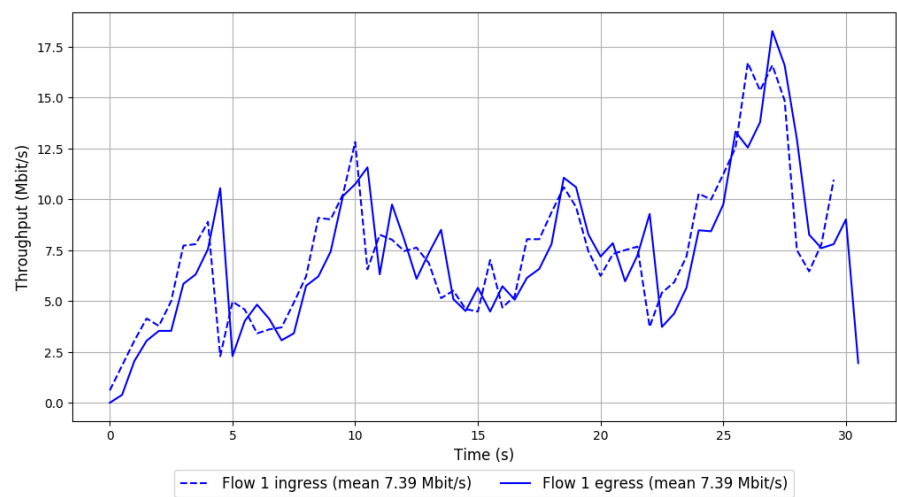


Run 2: Statistics of LEDBAT

Start at: 2019-02-20 19:55:43
End at: 2019-02-20 19:56:13
Local clock offset: -0.472 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2019-02-20 23:10:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.39 Mbit/s
95th percentile per-packet one-way delay: 49.746 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.39 Mbit/s
95th percentile per-packet one-way delay: 49.746 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2019-02-20 20:27:07

End at: 2019-02-20 20:27:37

Local clock offset: -0.072 ms

Remote clock offset: -0.13 ms

Below is generated by plot.py at 2019-02-20 23:10:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.81 Mbit/s

95th percentile per-packet one-way delay: 47.901 ms

Loss rate: 0.00%

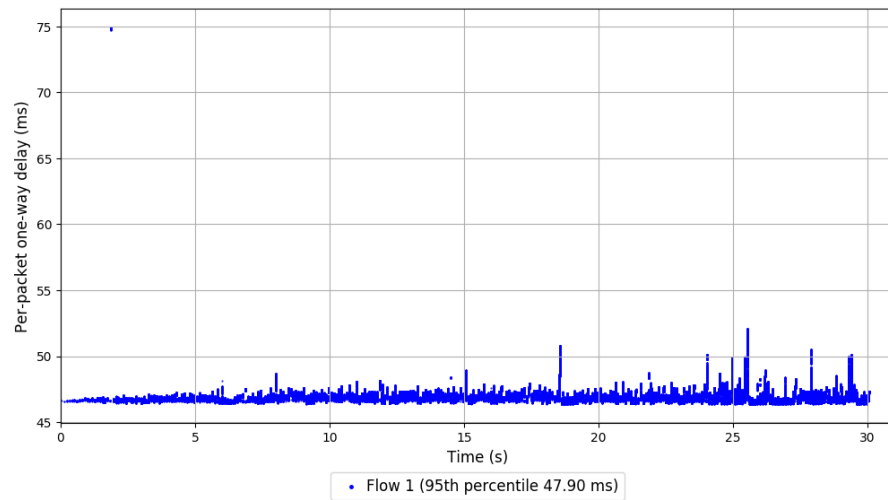
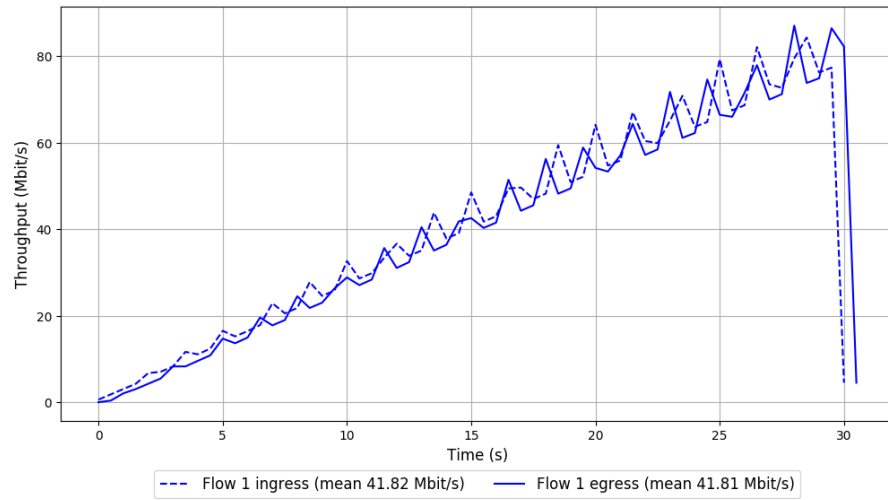
-- Flow 1:

Average throughput: 41.81 Mbit/s

95th percentile per-packet one-way delay: 47.901 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

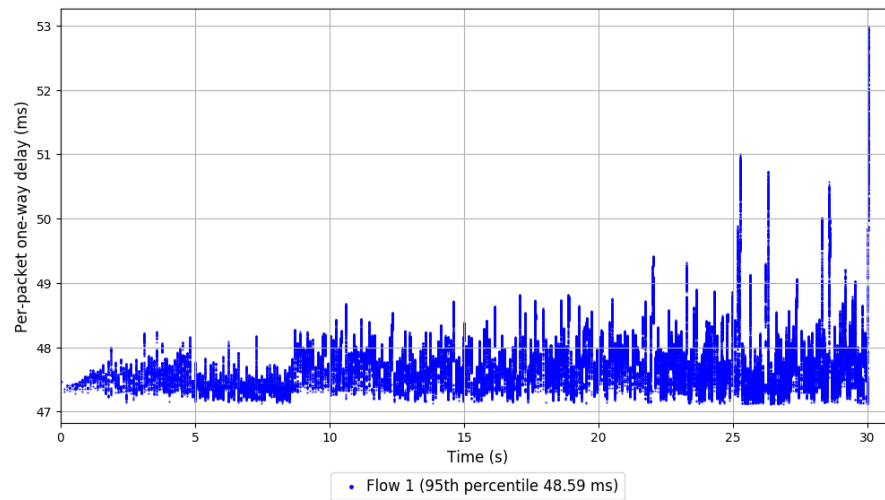
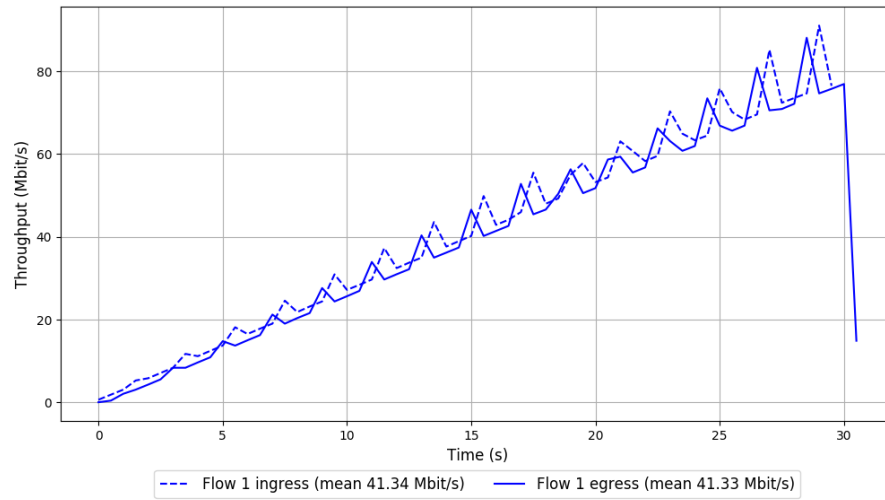


Run 4: Statistics of LEDBAT

Start at: 2019-02-20 20:58:46
End at: 2019-02-20 20:59:16
Local clock offset: -0.083 ms
Remote clock offset: -0.168 ms

Below is generated by plot.py at 2019-02-20 23:10:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 41.33 Mbit/s
95th percentile per-packet one-way delay: 48.590 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.33 Mbit/s
95th percentile per-packet one-way delay: 48.590 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

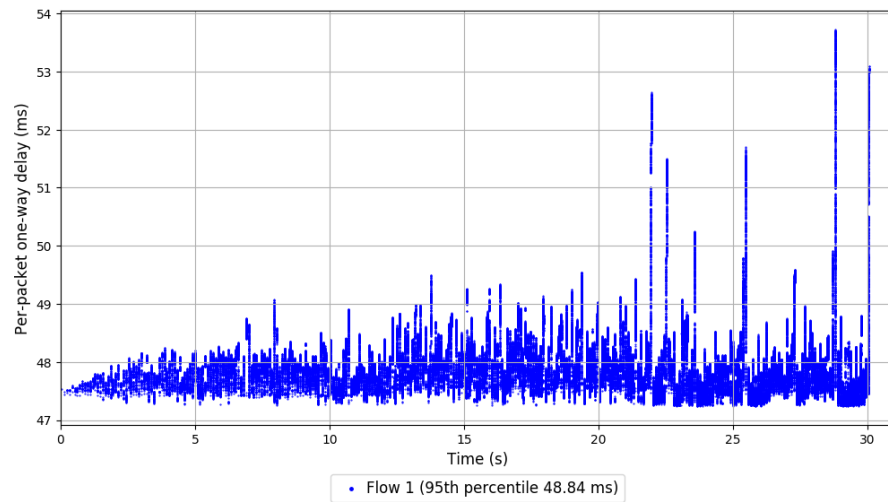
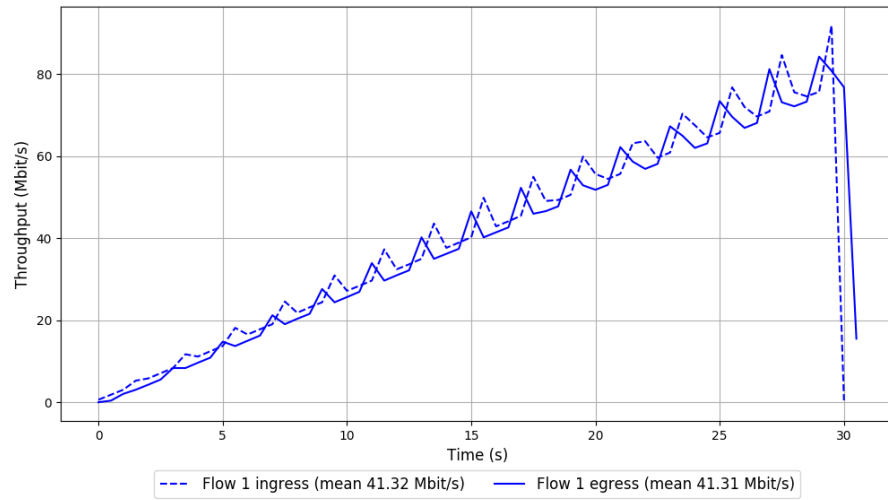


Run 5: Statistics of LEDBAT

Start at: 2019-02-20 21:30:06
End at: 2019-02-20 21:30:36
Local clock offset: -0.096 ms
Remote clock offset: -0.233 ms

Below is generated by plot.py at 2019-02-20 23:10:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 41.31 Mbit/s
95th percentile per-packet one-way delay: 48.845 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.31 Mbit/s
95th percentile per-packet one-way delay: 48.845 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

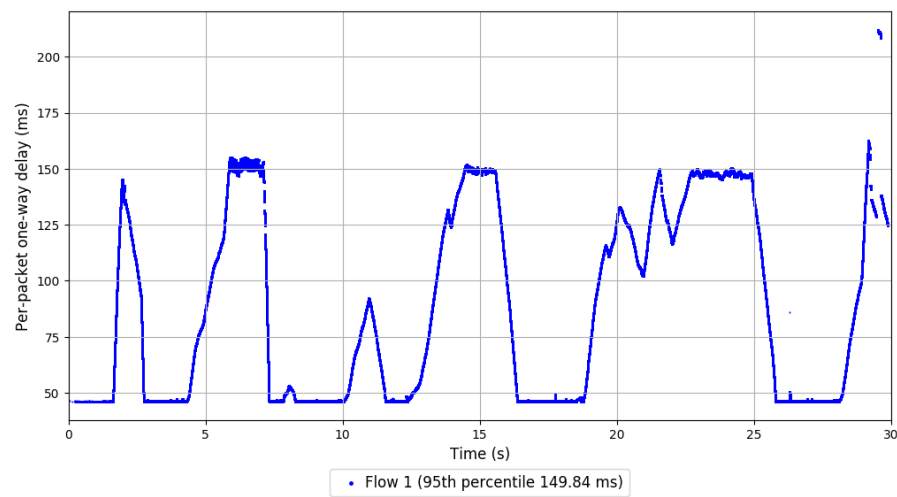
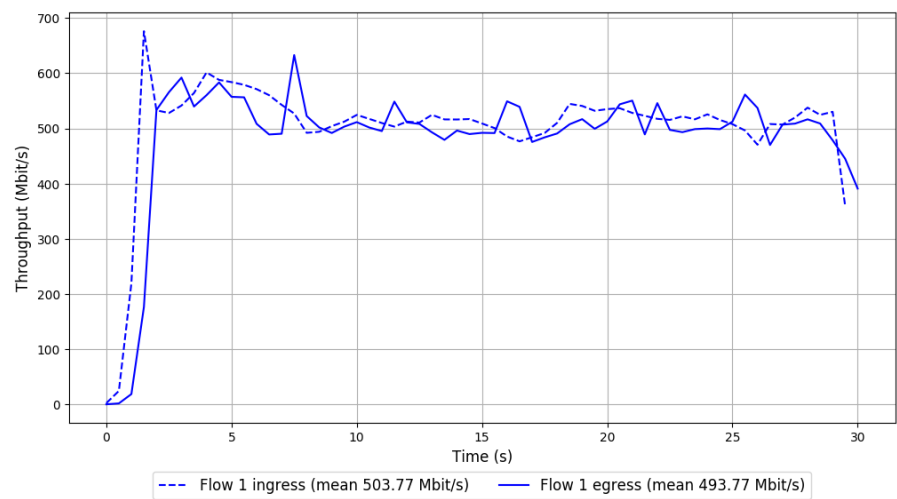


```
Run 1: Statistics of PCC-Allegro

Start at: 2019-02-20 19:21:28
End at: 2019-02-20 19:21:58
Local clock offset: 0.25 ms
Remote clock offset: -0.038 ms

# Below is generated by plot.py at 2019-02-20 23:18:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 493.77 Mbit/s
95th percentile per-packet one-way delay: 149.839 ms
Loss rate: 1.98%
-- Flow 1:
Average throughput: 493.77 Mbit/s
95th percentile per-packet one-way delay: 149.839 ms
Loss rate: 1.98%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-02-20 19:52:58

End at: 2019-02-20 19:53:28

Local clock offset: -0.419 ms

Remote clock offset: -0.025 ms

Below is generated by plot.py at 2019-02-20 23:18:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 472.13 Mbit/s

95th percentile per-packet one-way delay: 153.639 ms

Loss rate: 1.70%

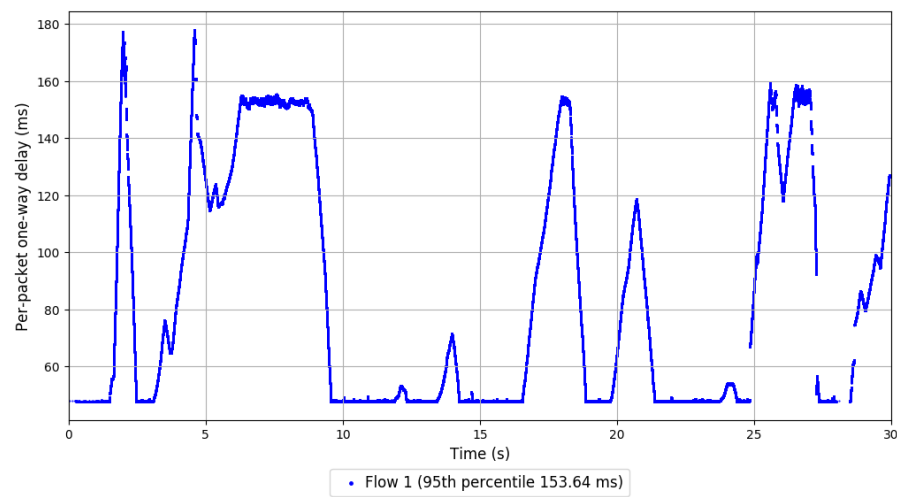
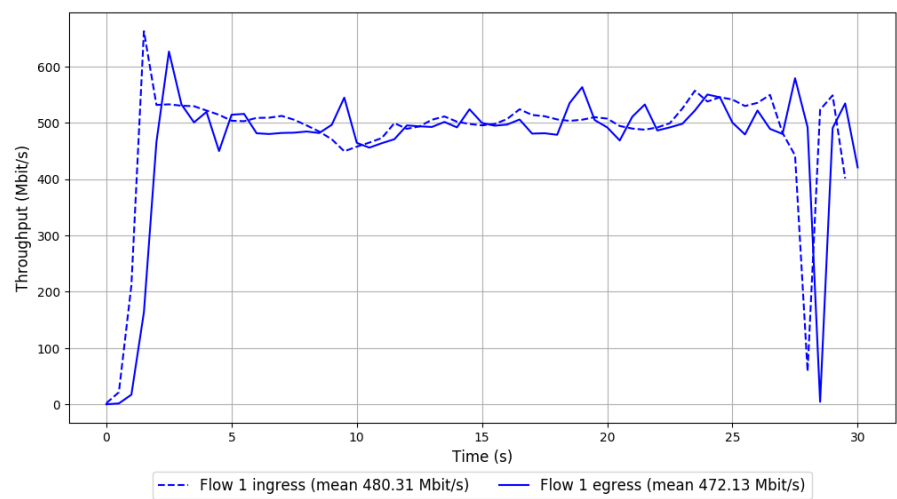
-- Flow 1:

Average throughput: 472.13 Mbit/s

95th percentile per-packet one-way delay: 153.639 ms

Loss rate: 1.70%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-02-20 20:24:23

End at: 2019-02-20 20:24:53

Local clock offset: -0.056 ms

Remote clock offset: -0.106 ms

Below is generated by plot.py at 2019-02-20 23:18:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 453.59 Mbit/s

95th percentile per-packet one-way delay: 168.744 ms

Loss rate: 2.91%

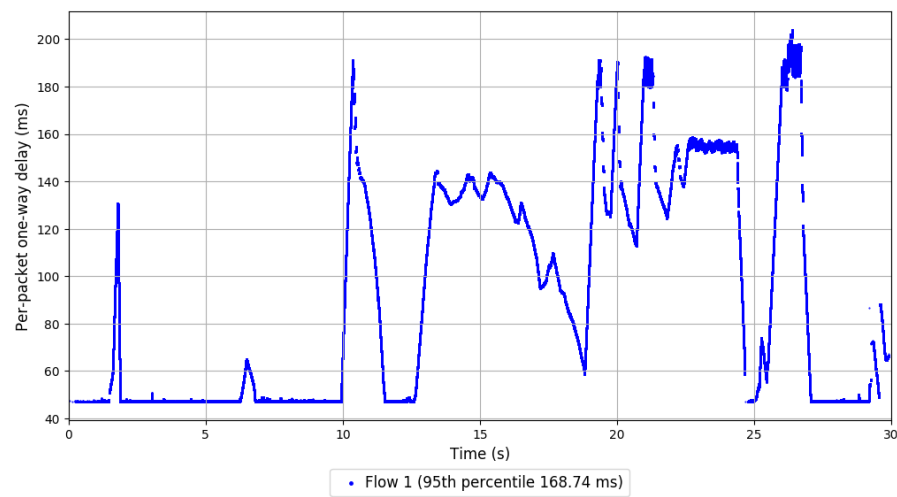
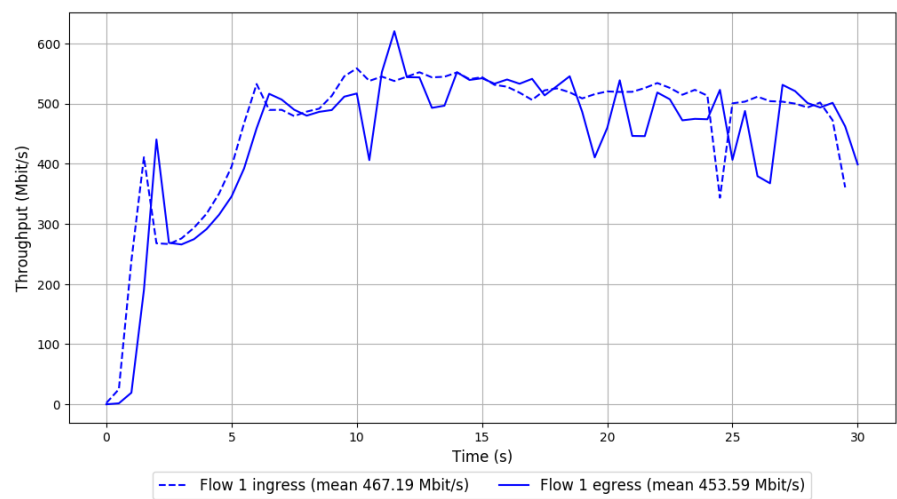
-- Flow 1:

Average throughput: 453.59 Mbit/s

95th percentile per-packet one-way delay: 168.744 ms

Loss rate: 2.91%

Run 3: Report of PCC-Allegro — Data Link

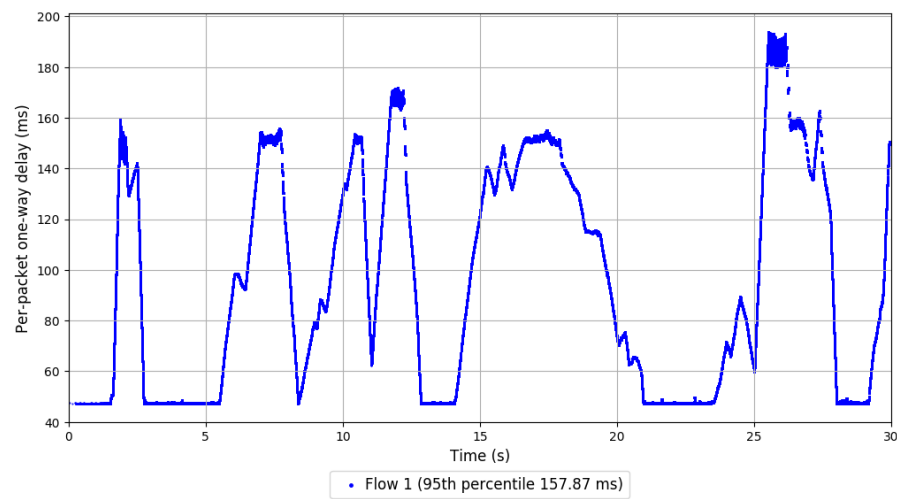
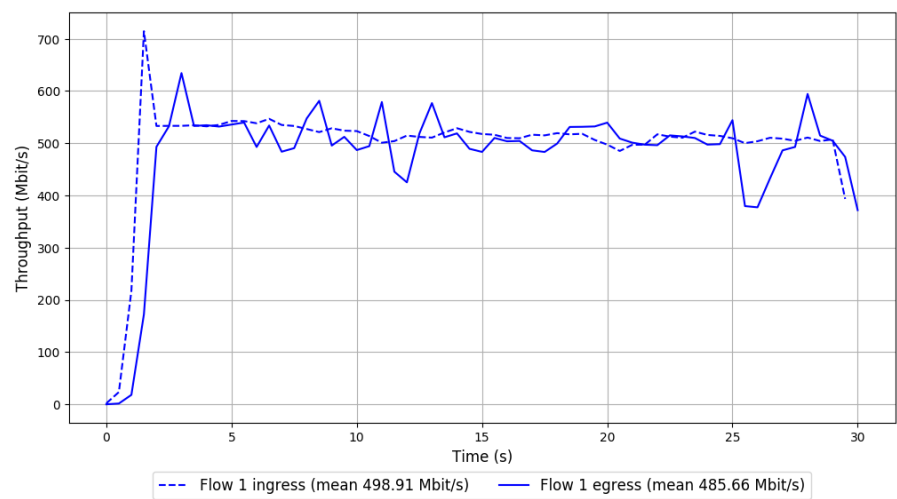


Run 4: Statistics of PCC-Allegro

Start at: 2019-02-20 20:56:01
End at: 2019-02-20 20:56:31
Local clock offset: -0.126 ms
Remote clock offset: -0.134 ms

Below is generated by plot.py at 2019-02-20 23:21:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 485.66 Mbit/s
95th percentile per-packet one-way delay: 157.868 ms
Loss rate: 2.65%
-- Flow 1:
Average throughput: 485.66 Mbit/s
95th percentile per-packet one-way delay: 157.868 ms
Loss rate: 2.65%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-02-20 21:27:23

End at: 2019-02-20 21:27:53

Local clock offset: -0.205 ms

Remote clock offset: -0.23 ms

Below is generated by plot.py at 2019-02-20 23:24:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 445.56 Mbit/s

95th percentile per-packet one-way delay: 154.870 ms

Loss rate: 1.94%

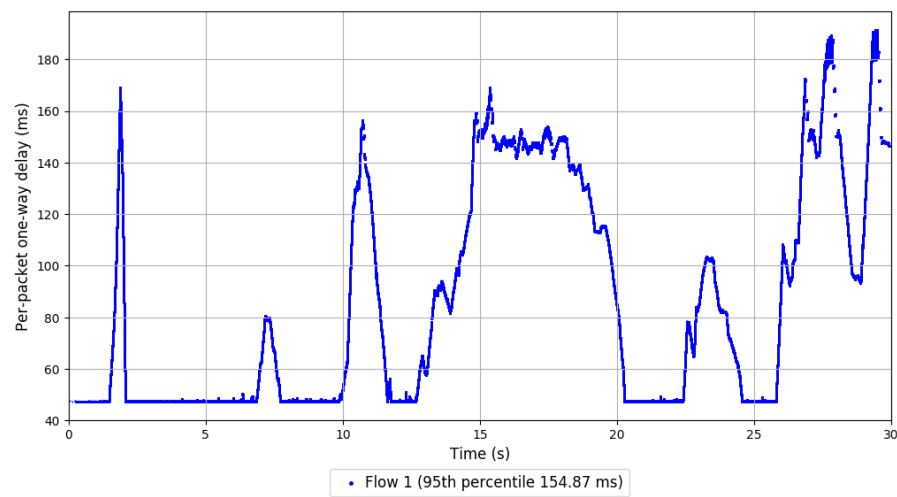
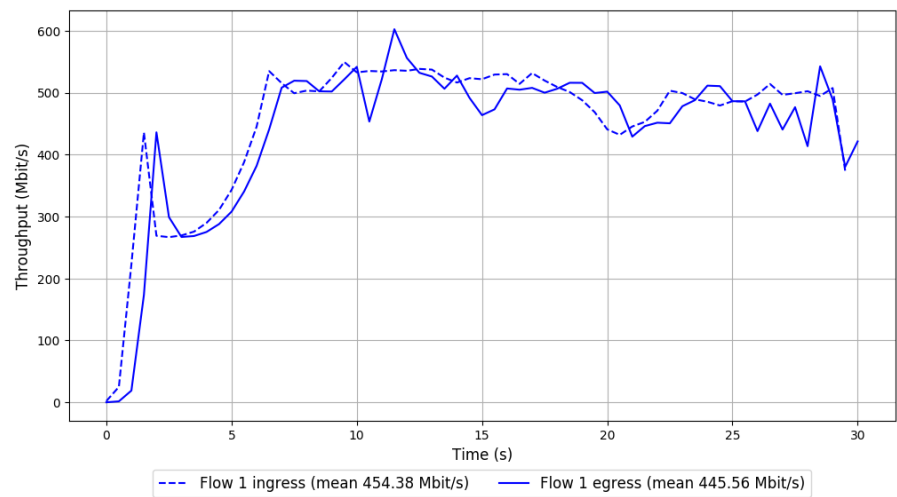
-- Flow 1:

Average throughput: 445.56 Mbit/s

95th percentile per-packet one-way delay: 154.870 ms

Loss rate: 1.94%

Run 5: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2019-02-20 18:56:50

End at: 2019-02-20 18:57:20

Local clock offset: 0.011 ms

Remote clock offset: 0.044 ms

Below is generated by plot.py at 2019-02-20 23:24:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 343.02 Mbit/s

95th percentile per-packet one-way delay: 74.451 ms

Loss rate: 0.31%

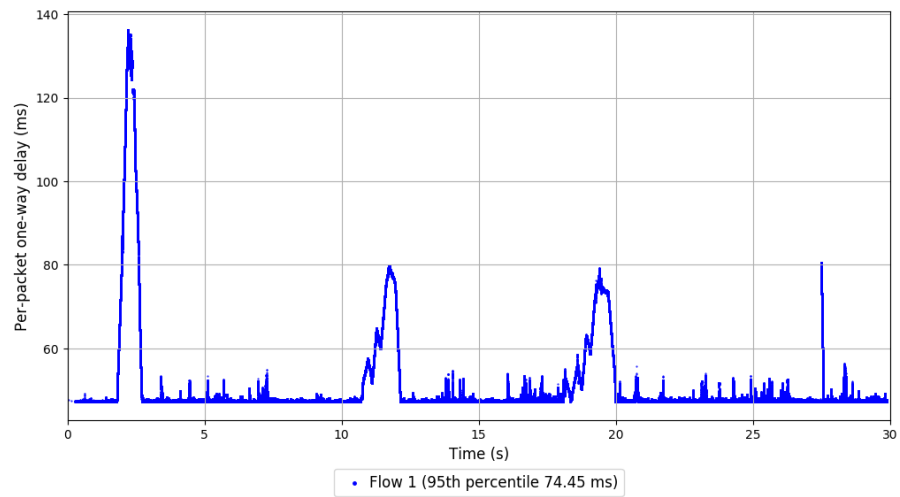
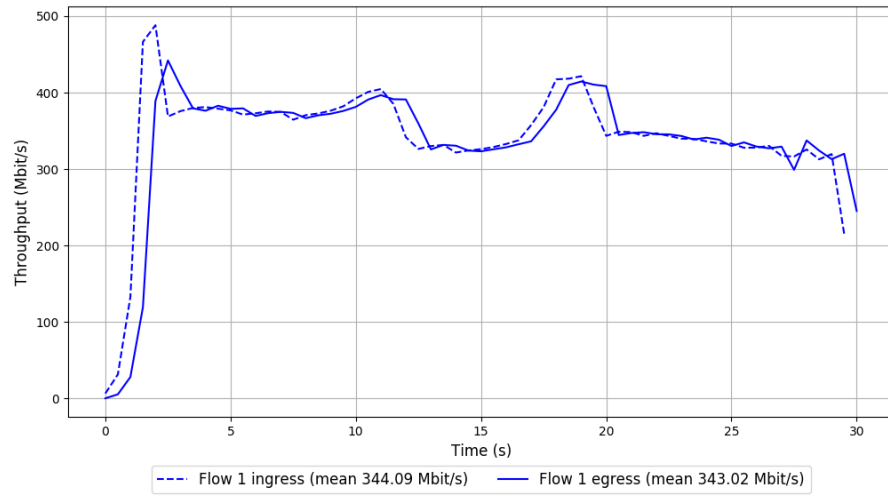
-- Flow 1:

Average throughput: 343.02 Mbit/s

95th percentile per-packet one-way delay: 74.451 ms

Loss rate: 0.31%

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2019-02-20 19:28:11

End at: 2019-02-20 19:28:41

Local clock offset: -0.091 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2019-02-20 23:24:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 351.25 Mbit/s

95th percentile per-packet one-way delay: 156.407 ms

Loss rate: 6.53%

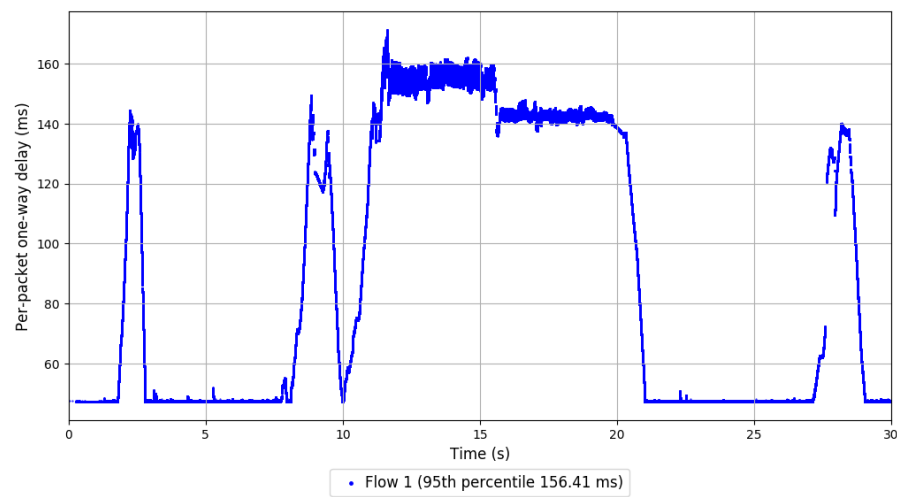
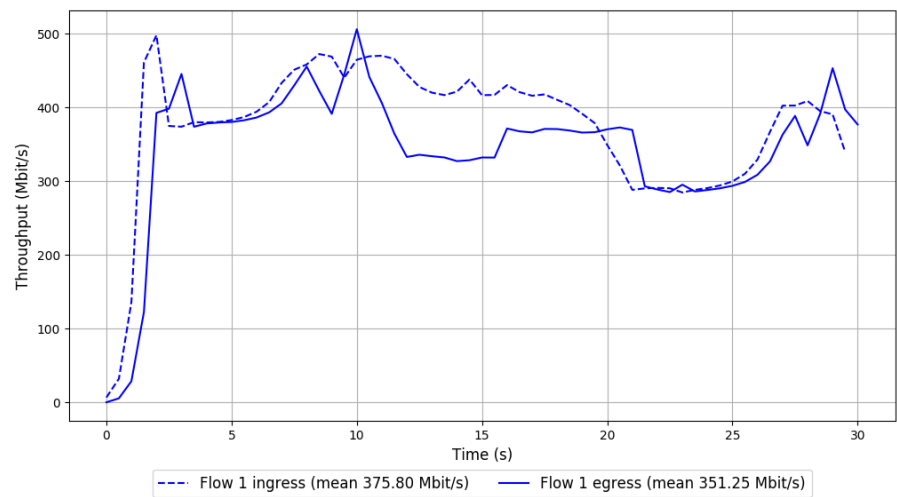
-- Flow 1:

Average throughput: 351.25 Mbit/s

95th percentile per-packet one-way delay: 156.407 ms

Loss rate: 6.53%

Run 2: Report of PCC-Expr — Data Link

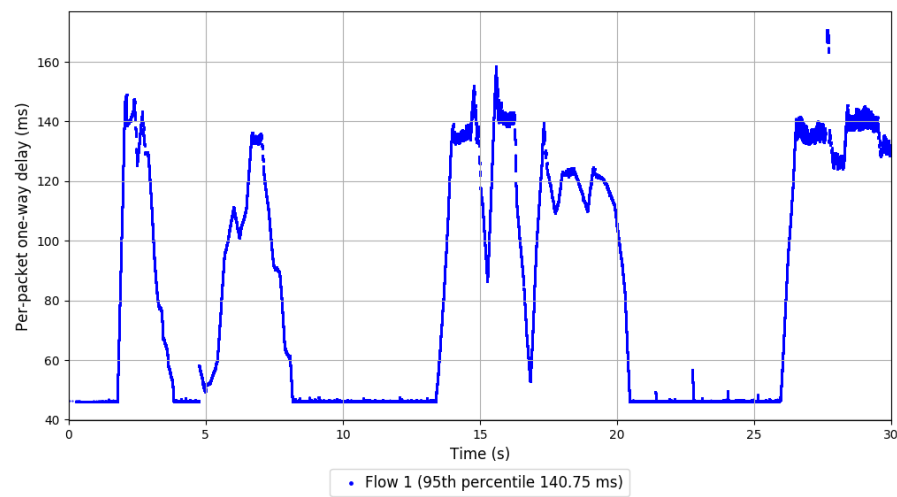
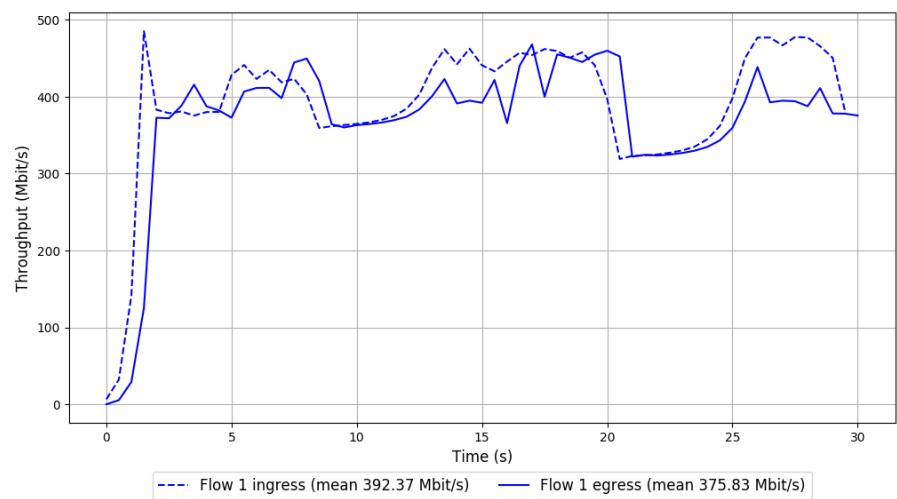


Run 3: Statistics of PCC-Expr

Start at: 2019-02-20 19:59:37
End at: 2019-02-20 20:00:07
Local clock offset: 0.302 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2019-02-20 23:24:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 375.83 Mbit/s
95th percentile per-packet one-way delay: 140.751 ms
Loss rate: 4.21%
-- Flow 1:
Average throughput: 375.83 Mbit/s
95th percentile per-packet one-way delay: 140.751 ms
Loss rate: 4.21%

Run 3: Report of PCC-Expr — Data Link

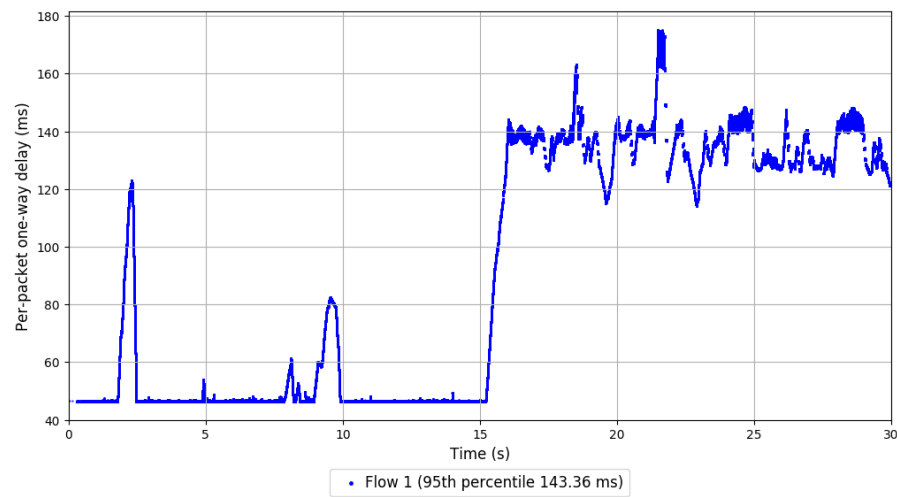
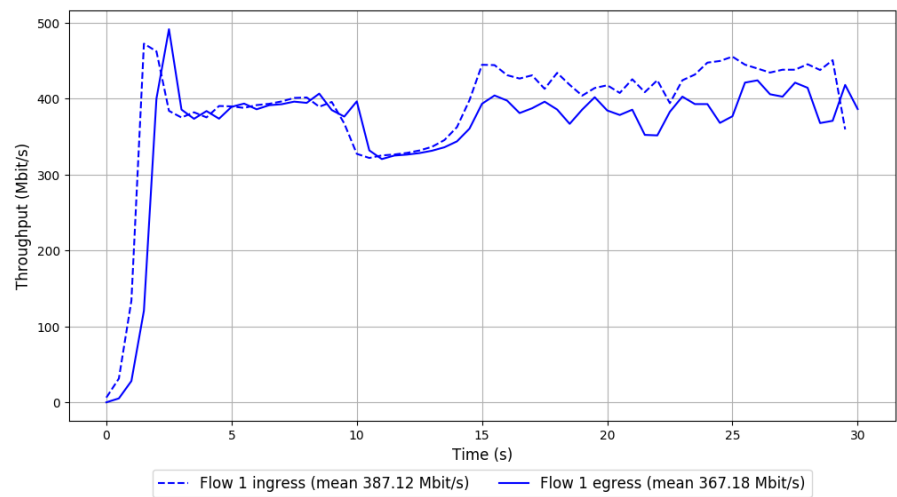


Run 4: Statistics of PCC-Expr

Start at: 2019-02-20 20:31:03
End at: 2019-02-20 20:31:33
Local clock offset: -0.023 ms
Remote clock offset: -0.155 ms

Below is generated by plot.py at 2019-02-20 23:31:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 367.18 Mbit/s
95th percentile per-packet one-way delay: 143.364 ms
Loss rate: 5.15%
-- Flow 1:
Average throughput: 367.18 Mbit/s
95th percentile per-packet one-way delay: 143.364 ms
Loss rate: 5.15%

Run 4: Report of PCC-Expr — Data Link

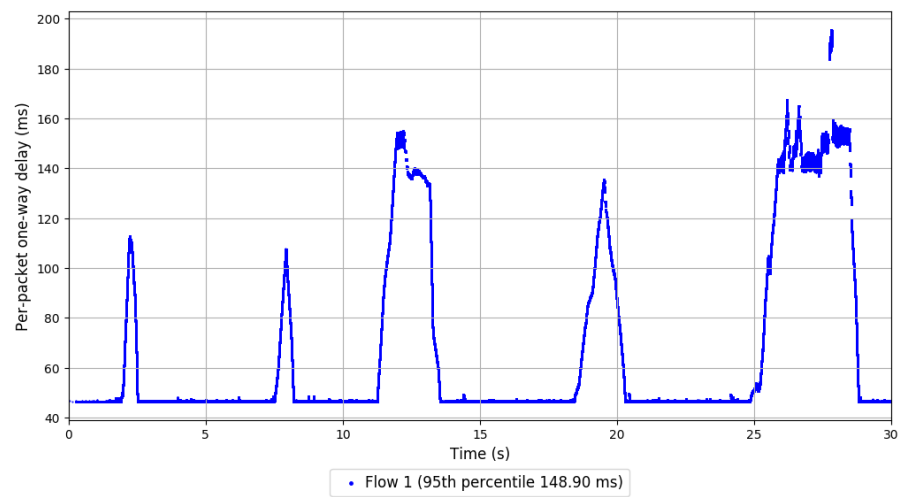
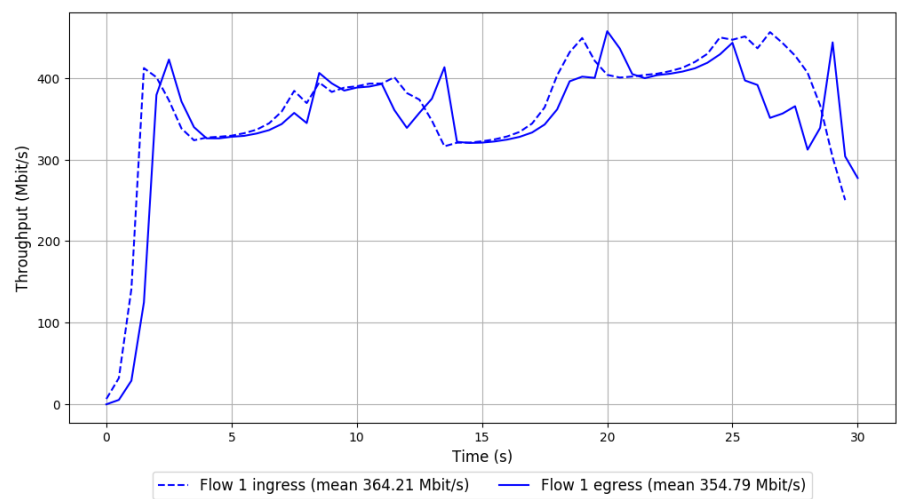


Run 5: Statistics of PCC-Expr

Start at: 2019-02-20 21:02:43
End at: 2019-02-20 21:03:13
Local clock offset: -0.137 ms
Remote clock offset: -0.105 ms

Below is generated by plot.py at 2019-02-20 23:31:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 354.79 Mbit/s
95th percentile per-packet one-way delay: 148.902 ms
Loss rate: 2.59%
-- Flow 1:
Average throughput: 354.79 Mbit/s
95th percentile per-packet one-way delay: 148.902 ms
Loss rate: 2.59%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-02-20 19:18:51

End at: 2019-02-20 19:19:21

Local clock offset: -0.109 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2019-02-20 23:31:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.16 Mbit/s

95th percentile per-packet one-way delay: 46.495 ms

Loss rate: 0.00%

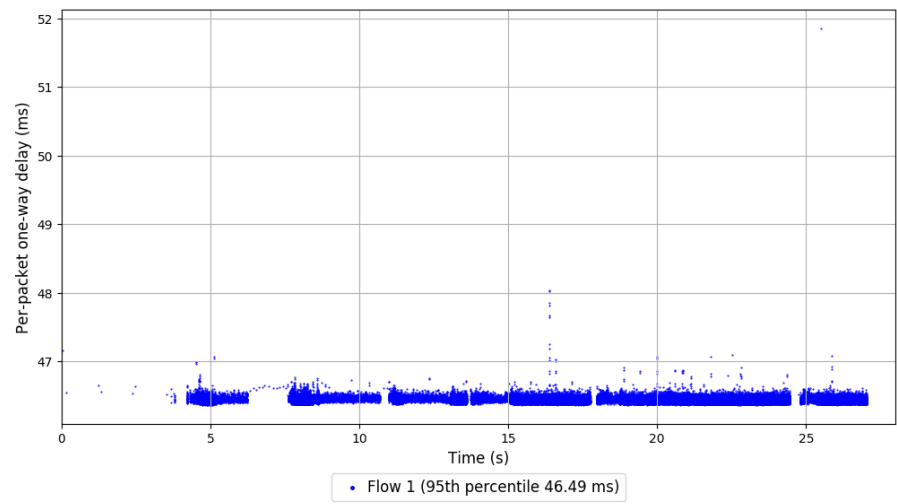
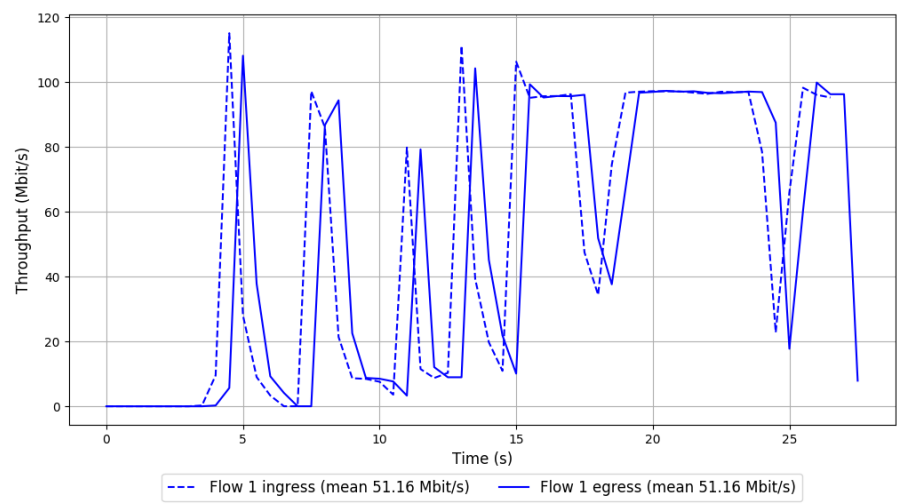
-- Flow 1:

Average throughput: 51.16 Mbit/s

95th percentile per-packet one-way delay: 46.495 ms

Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link

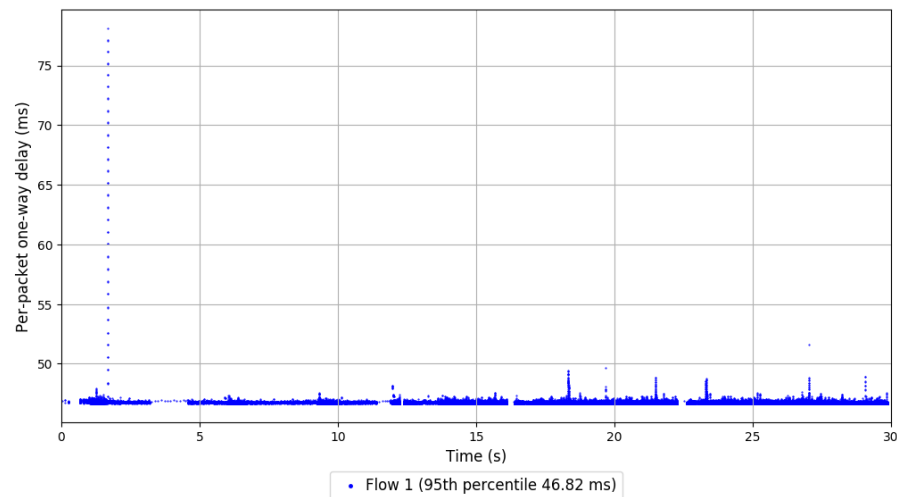
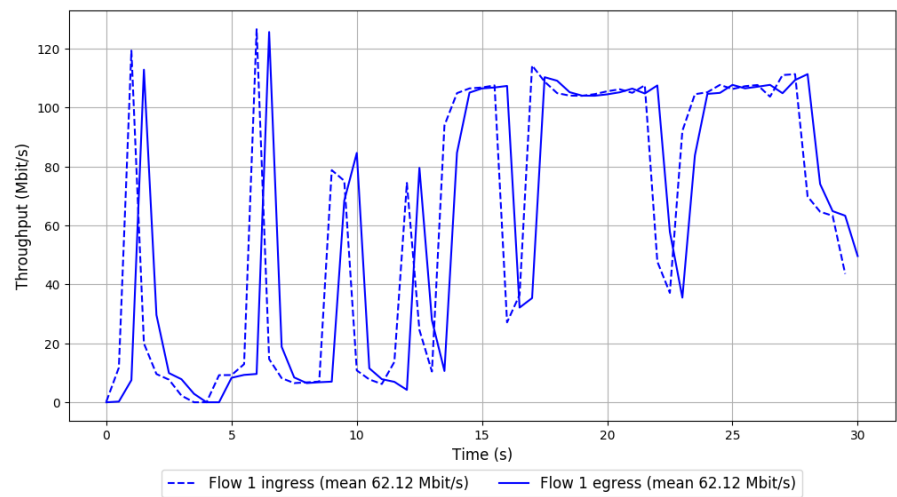


Run 2: Statistics of QUIC Cubic

Start at: 2019-02-20 19:50:19
End at: 2019-02-20 19:50:50
Local clock offset: -0.081 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2019-02-20 23:31:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 62.12 Mbit/s
95th percentile per-packet one-way delay: 46.821 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 62.12 Mbit/s
95th percentile per-packet one-way delay: 46.821 ms
Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link

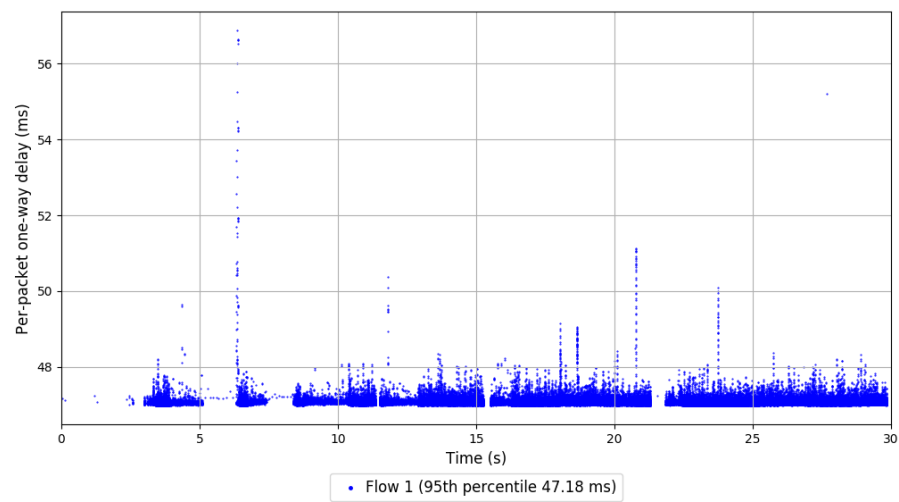
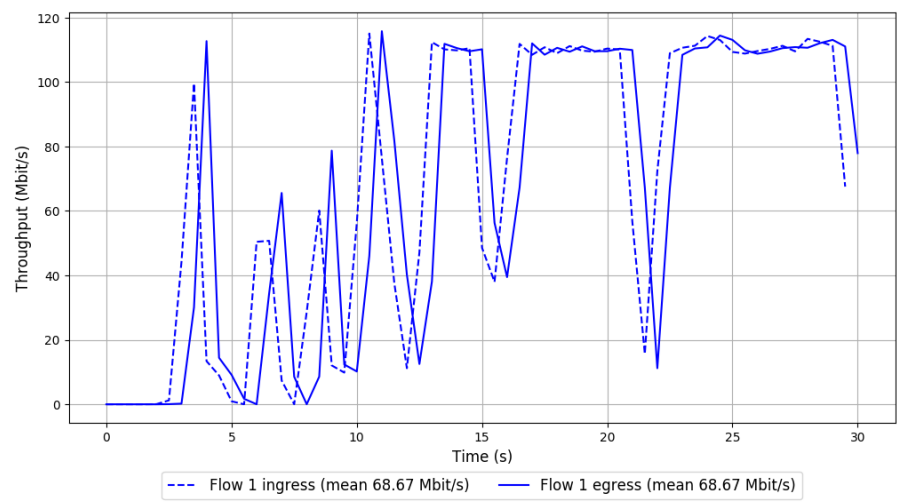


Run 3: Statistics of QUIC Cubic

Start at: 2019-02-20 20:21:45
End at: 2019-02-20 20:22:15
Local clock offset: -0.421 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2019-02-20 23:31:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.67 Mbit/s
95th percentile per-packet one-way delay: 47.179 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.67 Mbit/s
95th percentile per-packet one-way delay: 47.179 ms
Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-02-20 20:53:22

End at: 2019-02-20 20:53:52

Local clock offset: -0.097 ms

Remote clock offset: -0.101 ms

Below is generated by plot.py at 2019-02-20 23:31:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.43 Mbit/s

95th percentile per-packet one-way delay: 46.545 ms

Loss rate: 0.00%

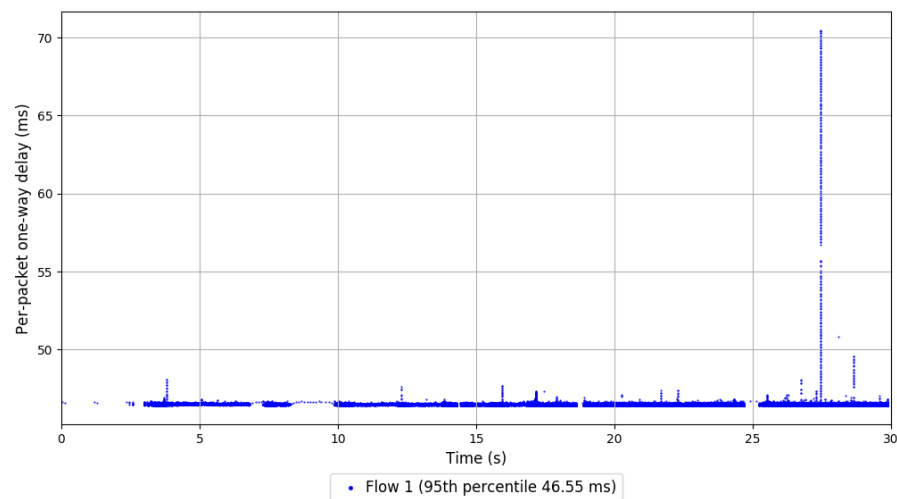
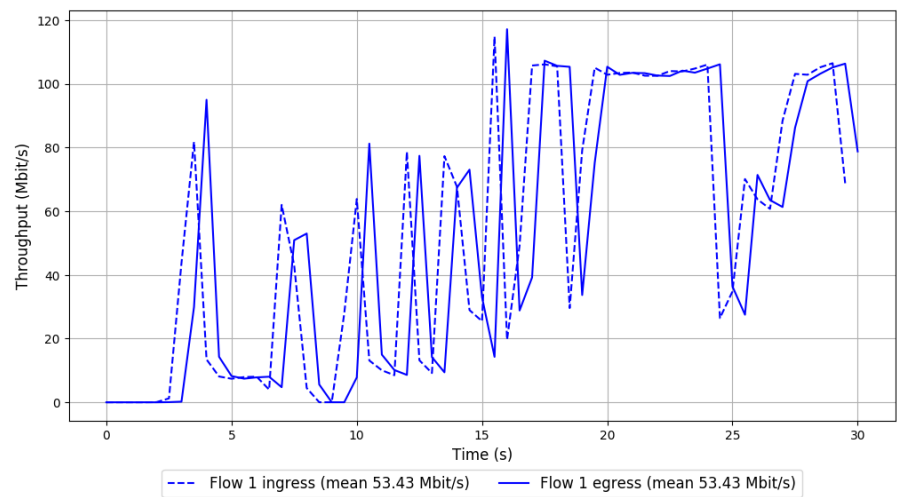
-- Flow 1:

Average throughput: 53.43 Mbit/s

95th percentile per-packet one-way delay: 46.545 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-02-20 21:24:44

End at: 2019-02-20 21:25:14

Local clock offset: -0.11 ms

Remote clock offset: -0.22 ms

Below is generated by plot.py at 2019-02-20 23:31:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.98 Mbit/s

95th percentile per-packet one-way delay: 47.224 ms

Loss rate: 0.00%

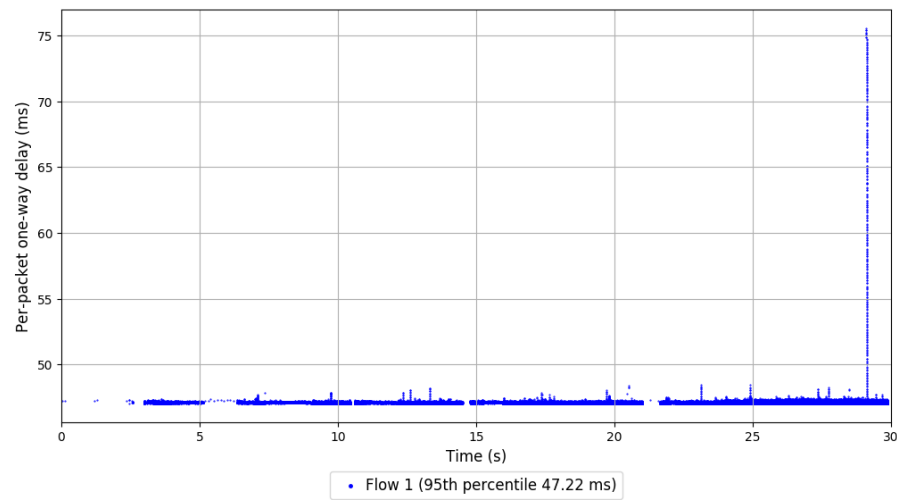
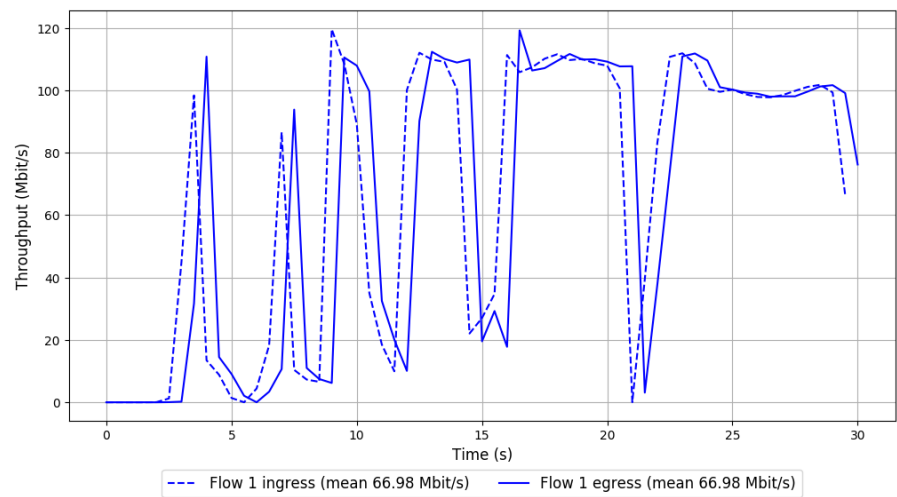
-- Flow 1:

Average throughput: 66.98 Mbit/s

95th percentile per-packet one-way delay: 47.224 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

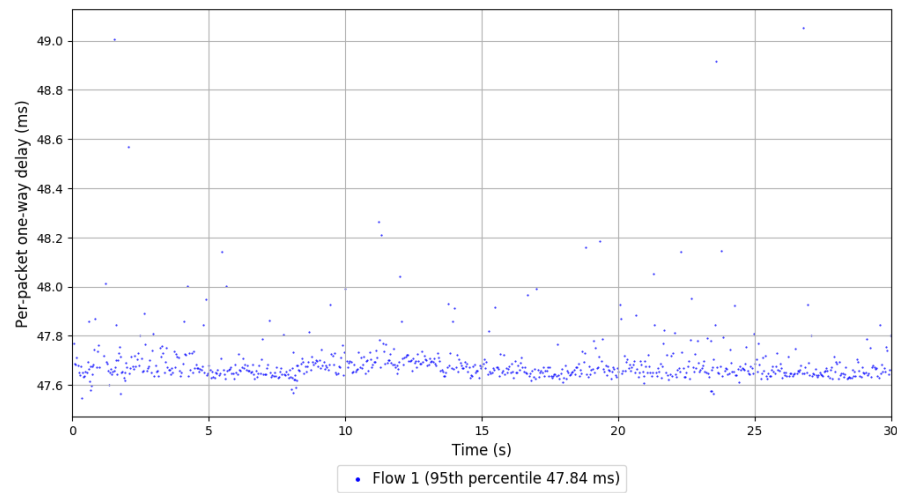
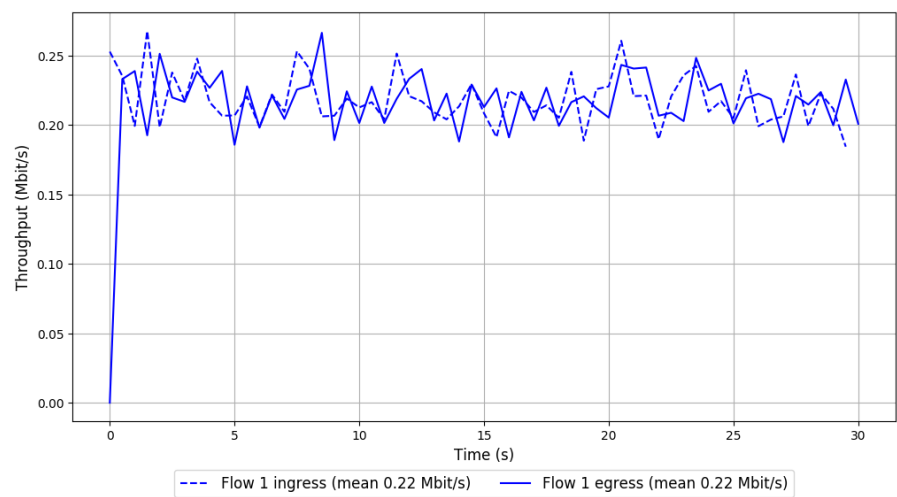


```
Run 1: Statistics of SCReAM

Start at: 2019-02-20 19:14:30
End at: 2019-02-20 19:15:00
Local clock offset: -0.074 ms
Remote clock offset: -0.002 ms

# Below is generated by plot.py at 2019-02-20 23:31:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.845 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.845 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

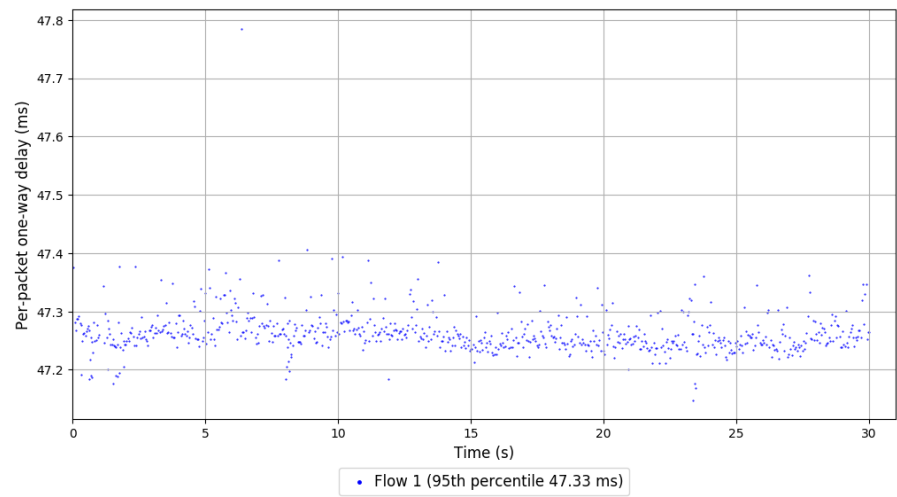
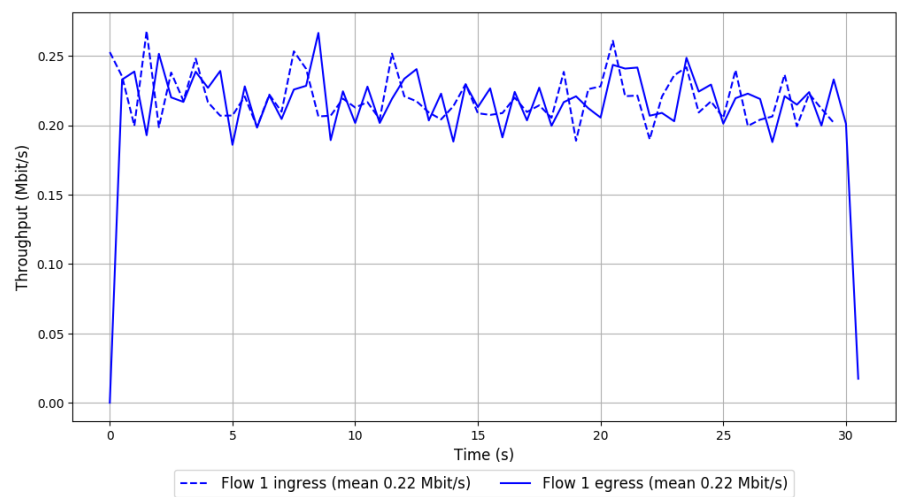


Run 2: Statistics of SReAM

Start at: 2019-02-20 19:46:04
End at: 2019-02-20 19:46:34
Local clock offset: -0.108 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2019-02-20 23:31:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.329 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.329 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

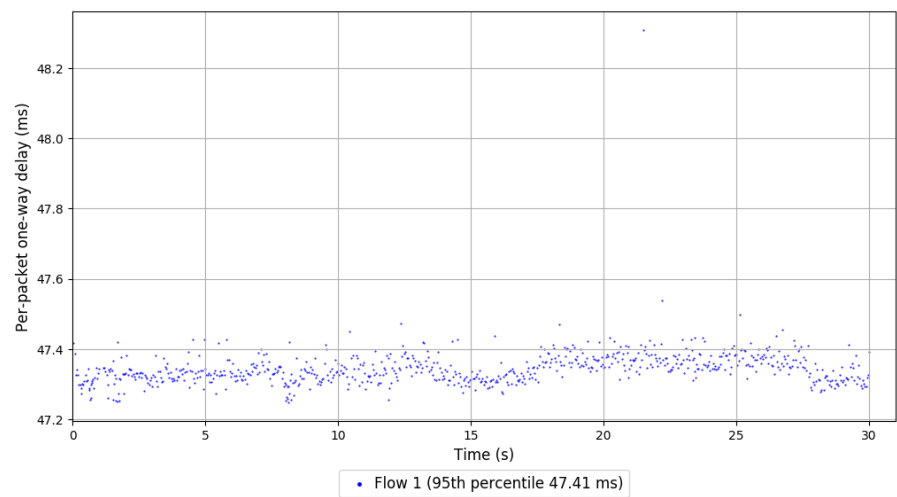
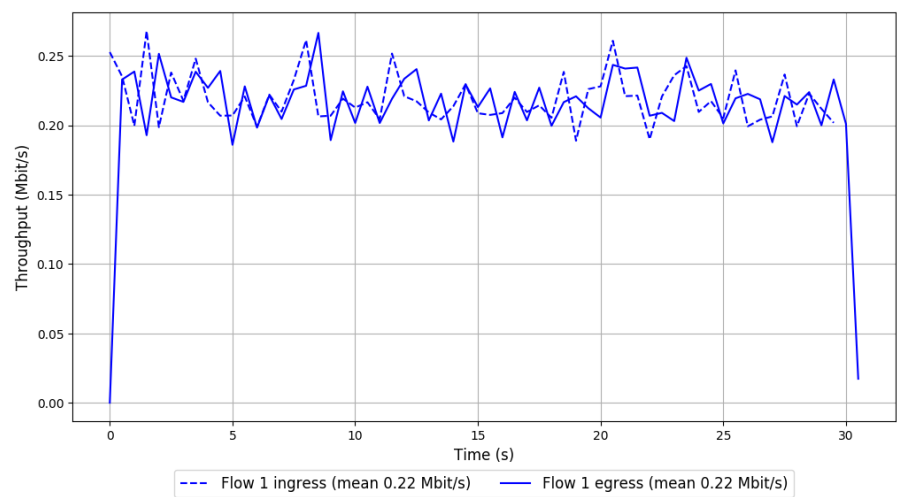


Run 3: Statistics of SCReAM

Start at: 2019-02-20 20:17:30
End at: 2019-02-20 20:18:00
Local clock offset: -0.091 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2019-02-20 23:31:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.411 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.411 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

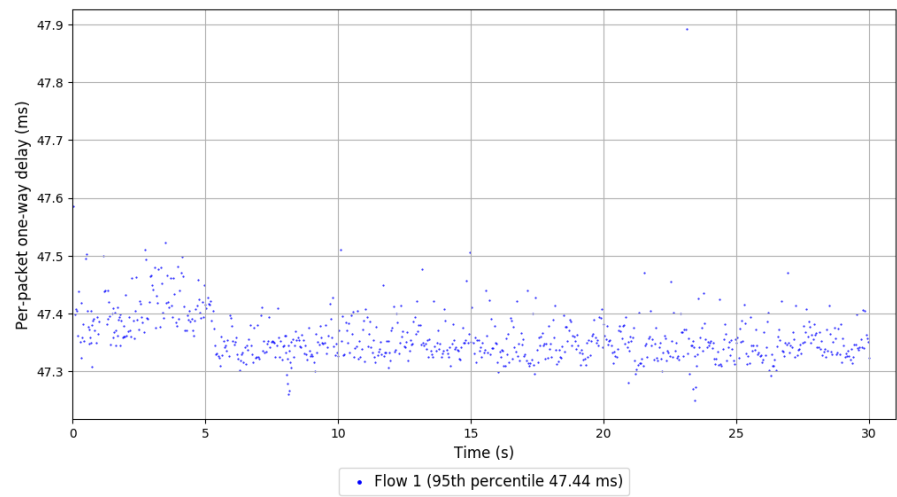
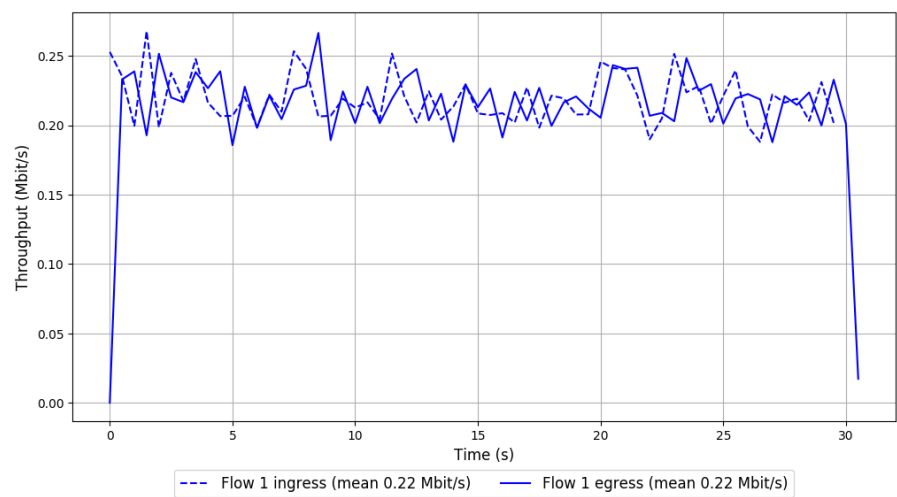


Run 4: Statistics of SCReAM

Start at: 2019-02-20 20:48:58
End at: 2019-02-20 20:49:28
Local clock offset: -0.041 ms
Remote clock offset: -0.143 ms

Below is generated by plot.py at 2019-02-20 23:31:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.439 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.439 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

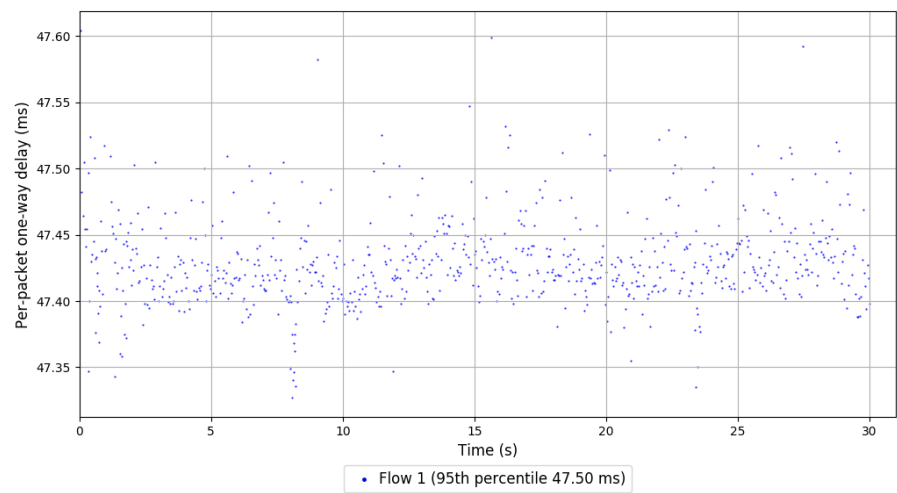
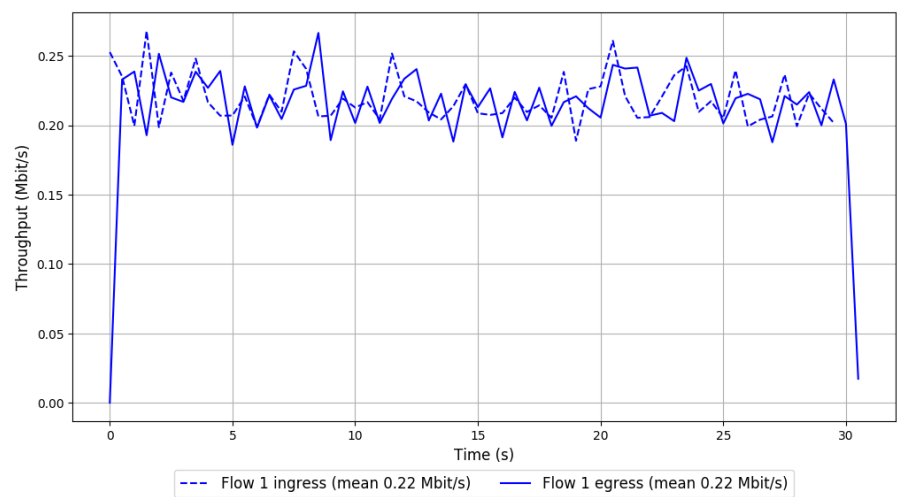


Run 5: Statistics of SCReAM

Start at: 2019-02-20 21:20:23
End at: 2019-02-20 21:20:53
Local clock offset: -0.137 ms
Remote clock offset: -0.179 ms

Below is generated by plot.py at 2019-02-20 23:31:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.498 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.498 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

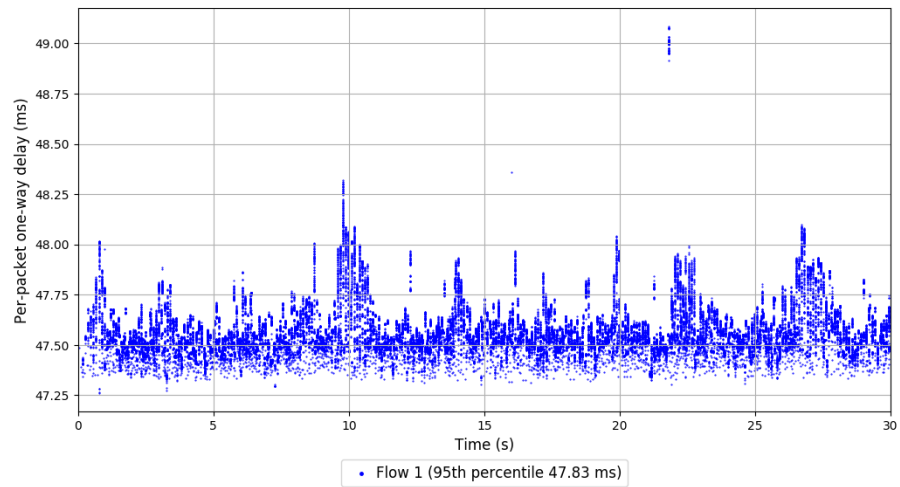
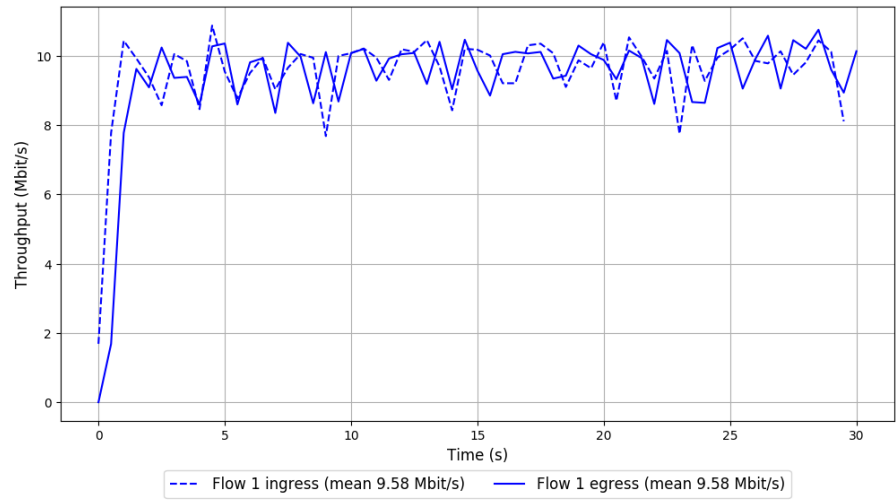


Run 1: Statistics of Sprout

Start at: 2019-02-20 19:23:06
End at: 2019-02-20 19:23:36
Local clock offset: -0.105 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2019-02-20 23:31:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.58 Mbit/s
95th percentile per-packet one-way delay: 47.834 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.58 Mbit/s
95th percentile per-packet one-way delay: 47.834 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

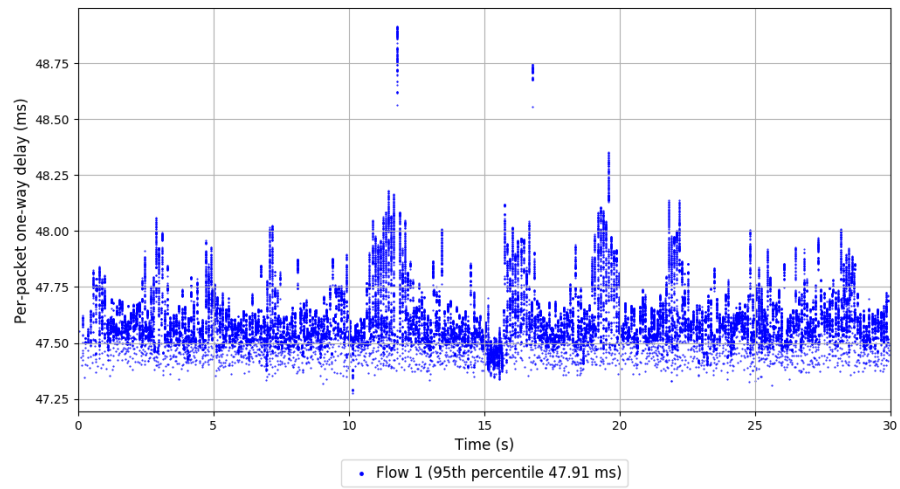
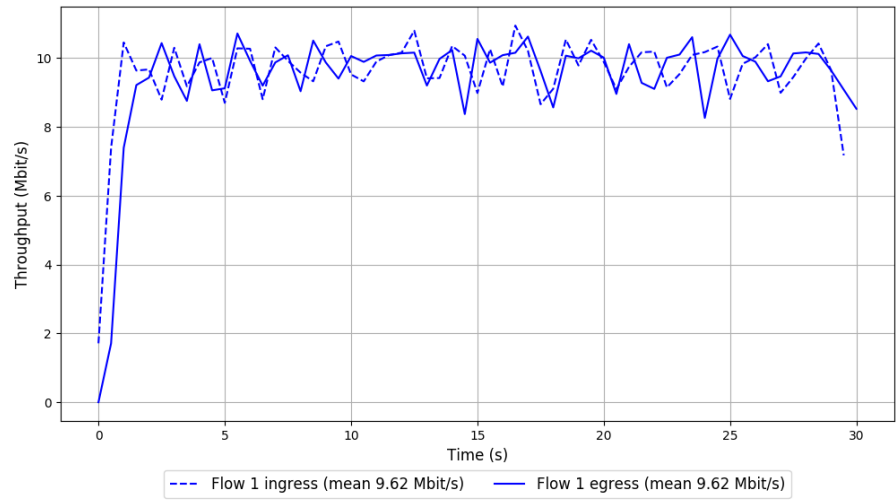


Run 2: Statistics of Sprout

Start at: 2019-02-20 19:54:34
End at: 2019-02-20 19:55:04
Local clock offset: -0.105 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2019-02-20 23:31:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.62 Mbit/s
95th percentile per-packet one-way delay: 47.906 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.62 Mbit/s
95th percentile per-packet one-way delay: 47.906 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

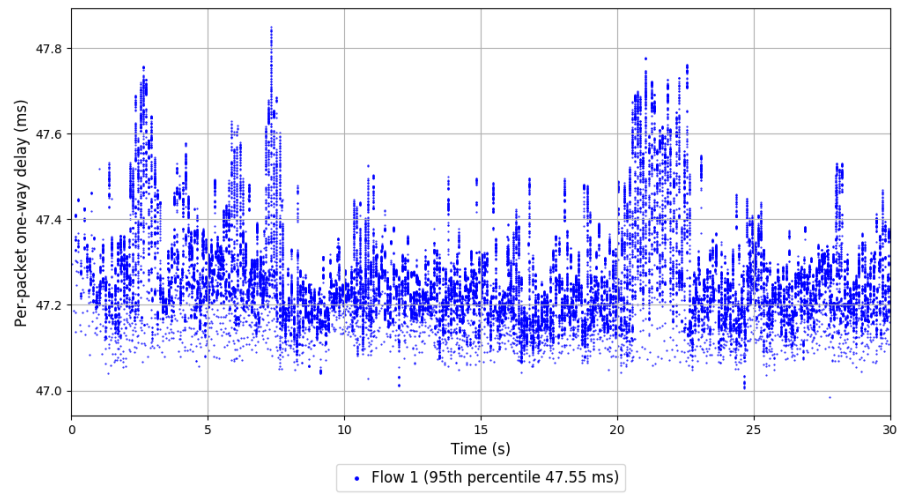
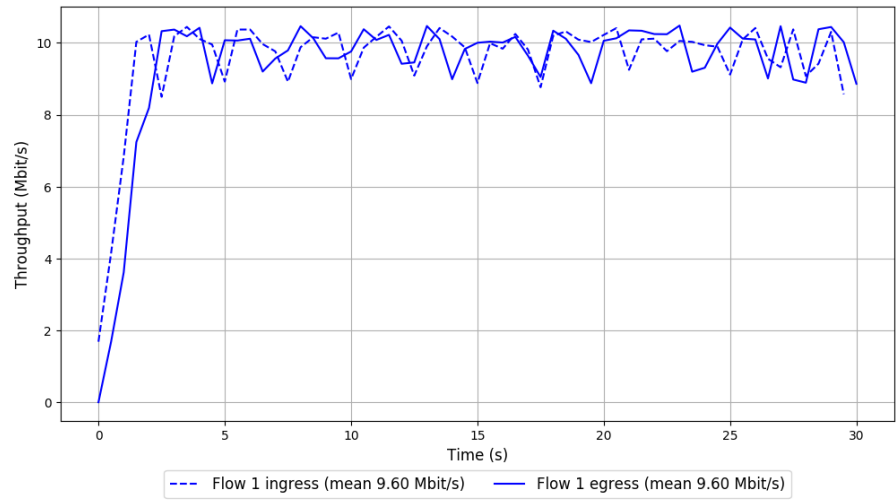


Run 3: Statistics of Sprout

Start at: 2019-02-20 20:25:59
End at: 2019-02-20 20:26:29
Local clock offset: -0.013 ms
Remote clock offset: -0.179 ms

Below is generated by plot.py at 2019-02-20 23:31:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.60 Mbit/s
95th percentile per-packet one-way delay: 47.545 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.60 Mbit/s
95th percentile per-packet one-way delay: 47.545 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

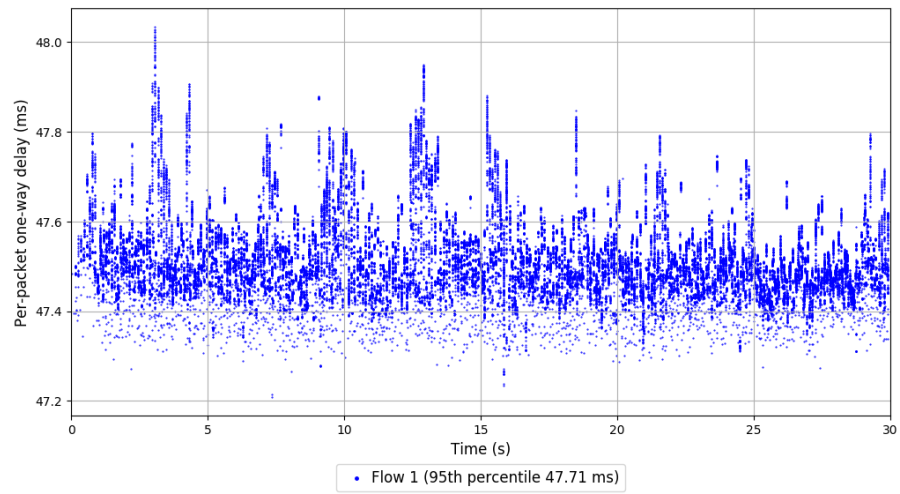
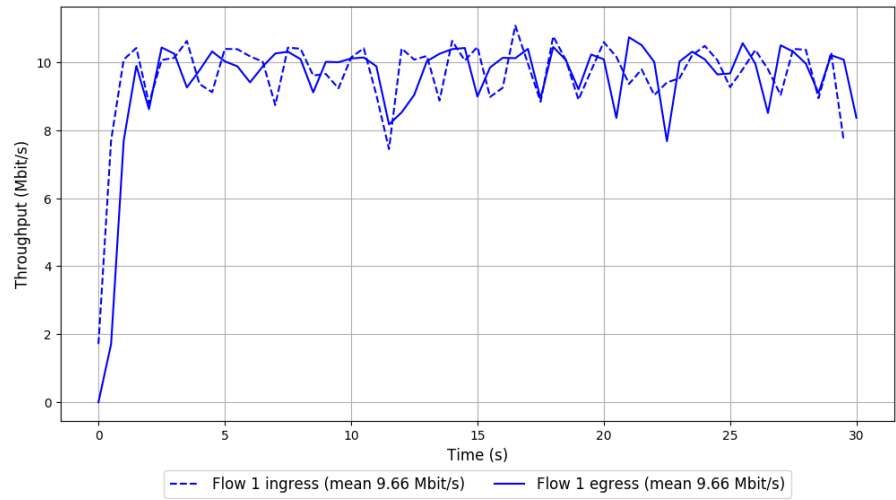


Run 4: Statistics of Sprout

Start at: 2019-02-20 20:57:38
End at: 2019-02-20 20:58:08
Local clock offset: -0.096 ms
Remote clock offset: -0.14 ms

Below is generated by plot.py at 2019-02-20 23:31:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.66 Mbit/s
95th percentile per-packet one-way delay: 47.707 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.66 Mbit/s
95th percentile per-packet one-way delay: 47.707 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

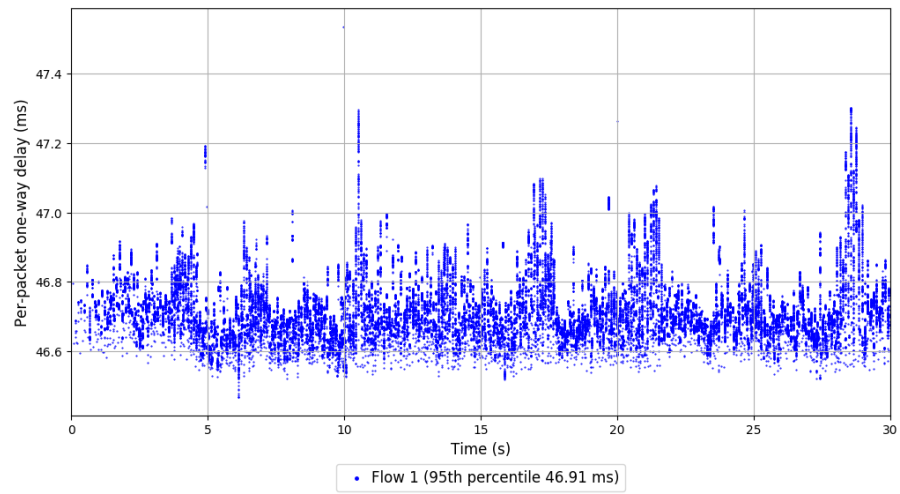
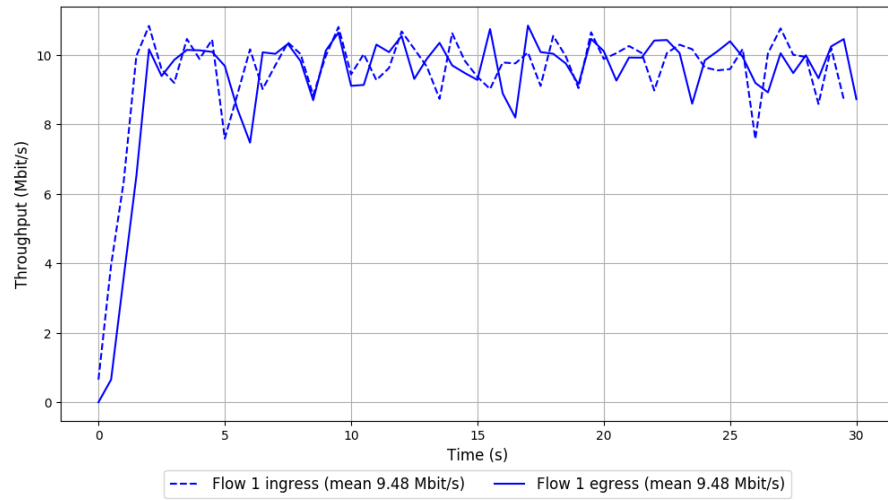


Run 5: Statistics of Sprout

Start at: 2019-02-20 21:28:58
End at: 2019-02-20 21:29:28
Local clock offset: -0.11 ms
Remote clock offset: -0.193 ms

Below is generated by plot.py at 2019-02-20 23:31:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.48 Mbit/s
95th percentile per-packet one-way delay: 46.909 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.48 Mbit/s
95th percentile per-packet one-way delay: 46.909 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2019-02-20 19:04:46

End at: 2019-02-20 19:05:16

Local clock offset: -0.021 ms

Remote clock offset: -0.004 ms

Below is generated by plot.py at 2019-02-20 23:31:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 250.63 Mbit/s

95th percentile per-packet one-way delay: 47.401 ms

Loss rate: 0.00%

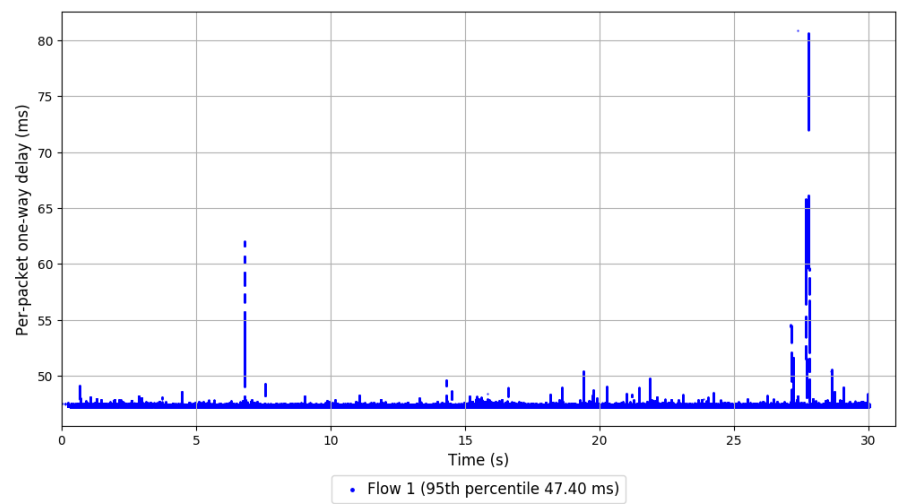
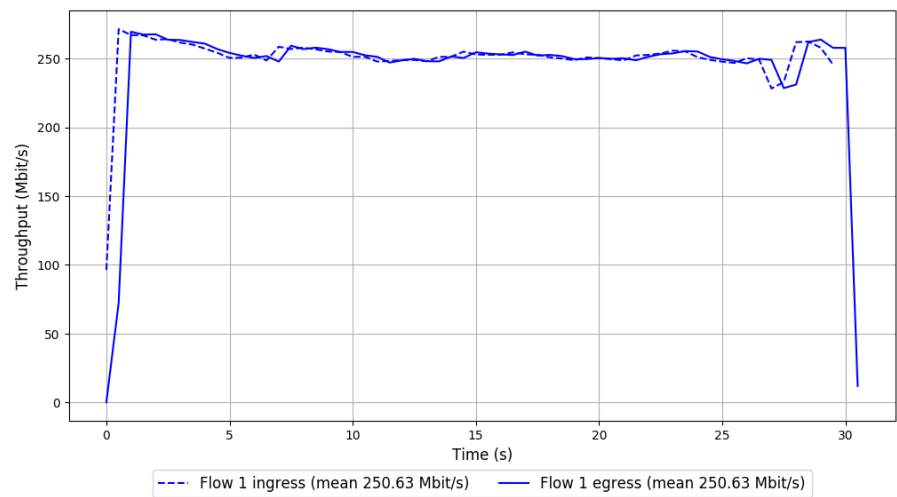
-- Flow 1:

Average throughput: 250.63 Mbit/s

95th percentile per-packet one-way delay: 47.401 ms

Loss rate: 0.00%

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



Run 2: Statistics of TaoVA-100x

Start at: 2019-02-20 19:36:21

End at: 2019-02-20 19:36:51

Local clock offset: -0.111 ms

Remote clock offset: 0.0 ms

Below is generated by plot.py at 2019-02-20 23:31:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 249.82 Mbit/s

95th percentile per-packet one-way delay: 46.634 ms

Loss rate: 0.00%

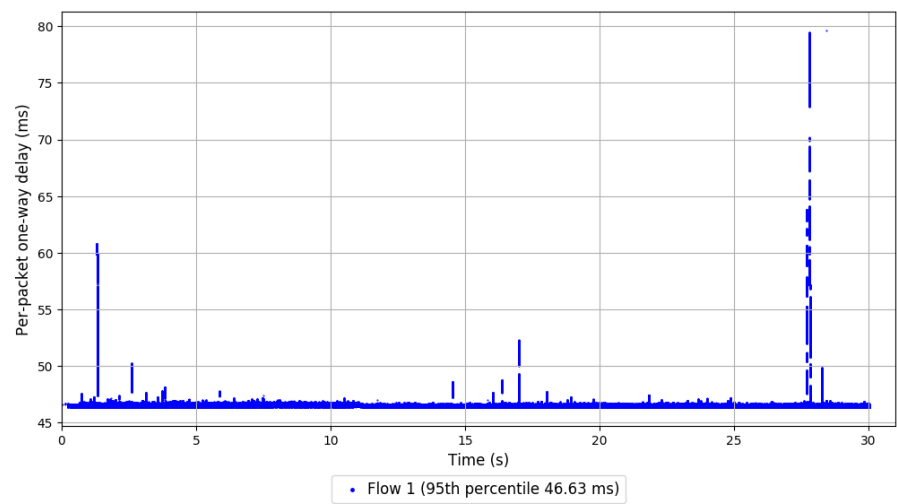
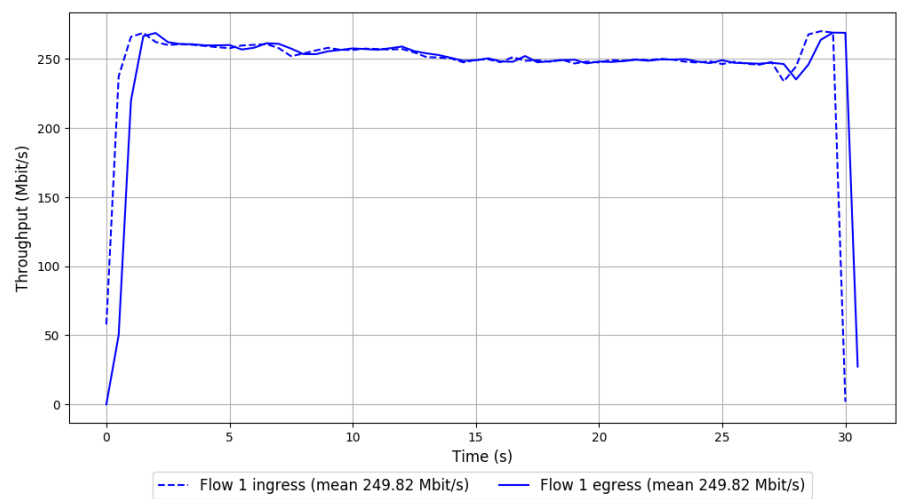
-- Flow 1:

Average throughput: 249.82 Mbit/s

95th percentile per-packet one-way delay: 46.634 ms

Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-02-20 20:07:44

End at: 2019-02-20 20:08:14

Local clock offset: 0.292 ms

Remote clock offset: -0.068 ms

Below is generated by plot.py at 2019-02-20 23:31:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 250.44 Mbit/s

95th percentile per-packet one-way delay: 46.991 ms

Loss rate: 0.00%

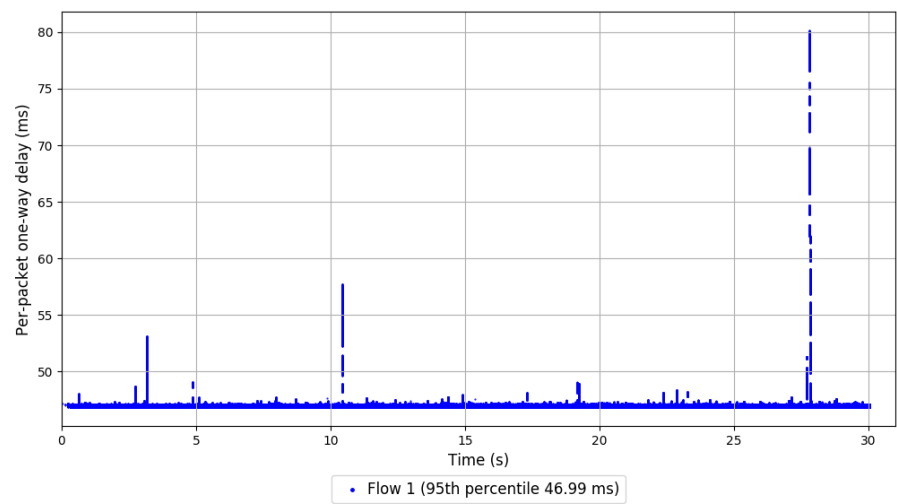
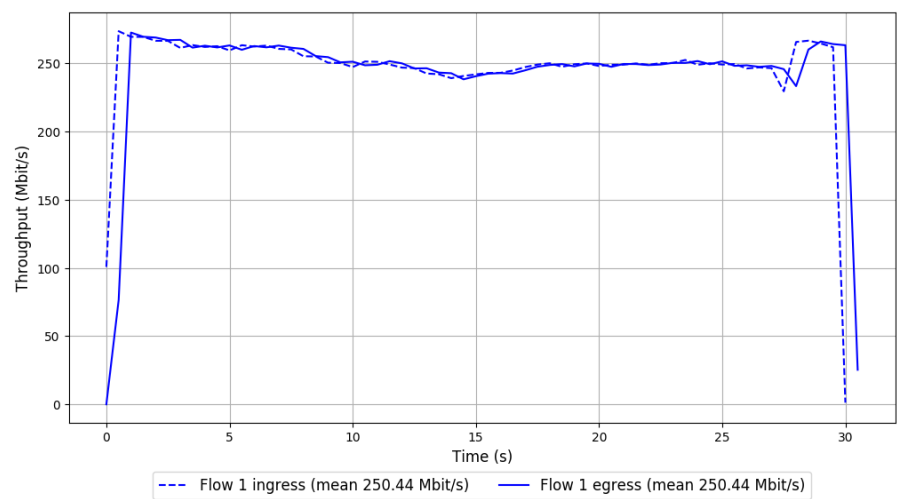
-- Flow 1:

Average throughput: 250.44 Mbit/s

95th percentile per-packet one-way delay: 46.991 ms

Loss rate: 0.00%

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

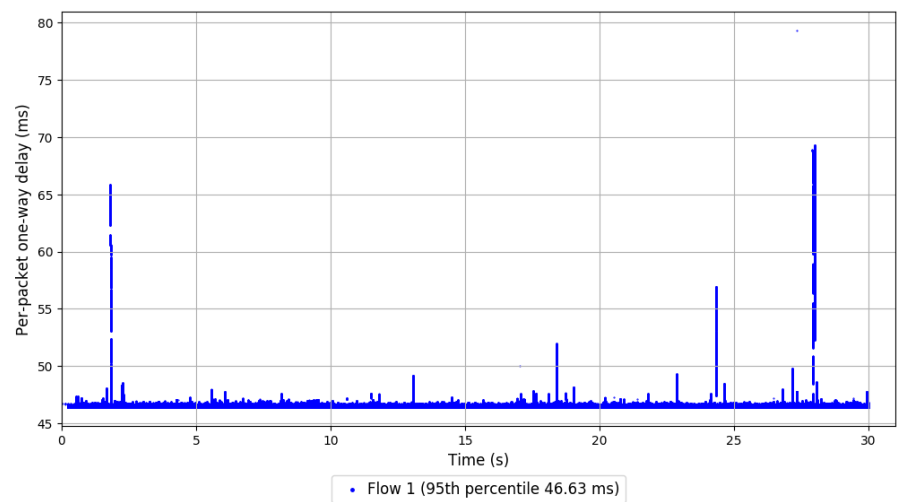
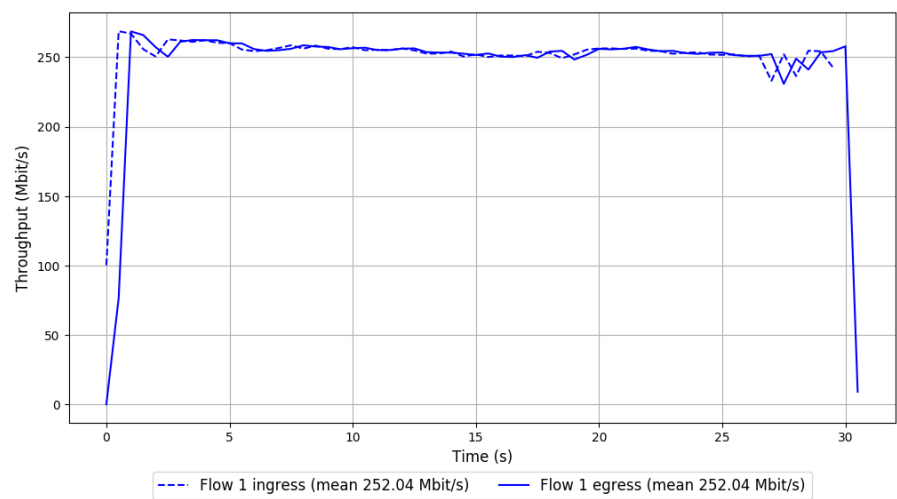


Run 4: Statistics of TaoVA-100x

Start at: 2019-02-20 20:39:09
End at: 2019-02-20 20:39:39
Local clock offset: -0.091 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2019-02-20 23:32:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 252.04 Mbit/s
95th percentile per-packet one-way delay: 46.630 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 252.04 Mbit/s
95th percentile per-packet one-way delay: 46.630 ms
Loss rate: 0.00%

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

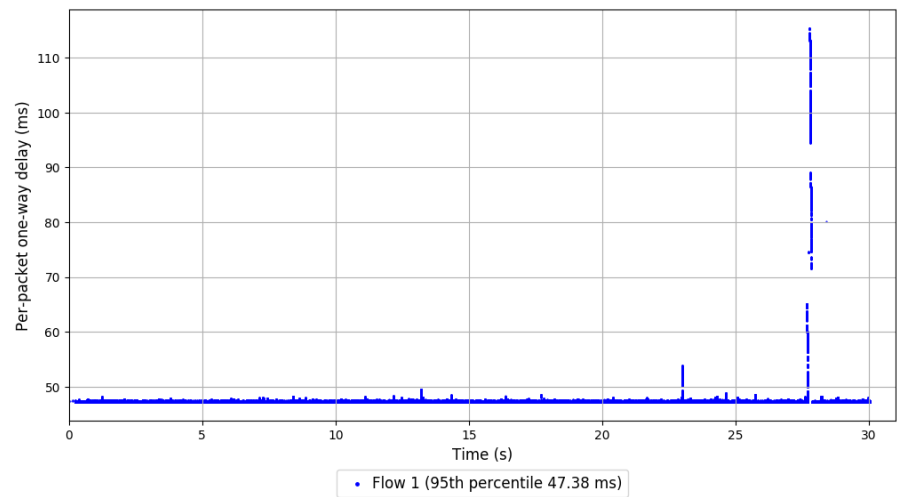
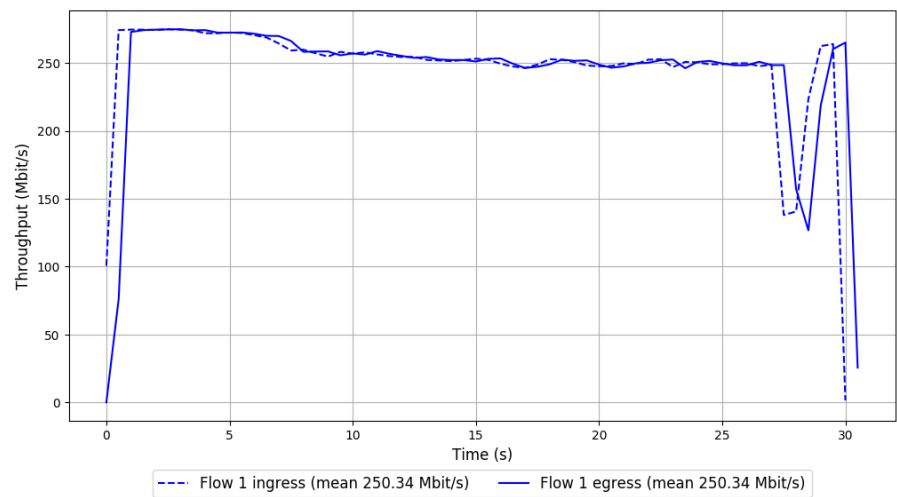


Run 5: Statistics of TaoVA-100x

Start at: 2019-02-20 21:10:50
End at: 2019-02-20 21:11:20
Local clock offset: -0.159 ms
Remote clock offset: -0.156 ms

Below is generated by plot.py at 2019-02-20 23:32:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 250.34 Mbit/s
95th percentile per-packet one-way delay: 47.380 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 250.34 Mbit/s
95th percentile per-packet one-way delay: 47.380 ms
Loss rate: 0.00%

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



Run 1: Statistics of TCP Vegas

Start at: 2019-02-20 19:15:37

End at: 2019-02-20 19:16:07

Local clock offset: -0.103 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2019-02-20 23:34:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 601.45 Mbit/s

95th percentile per-packet one-way delay: 71.806 ms

Loss rate: 0.22%

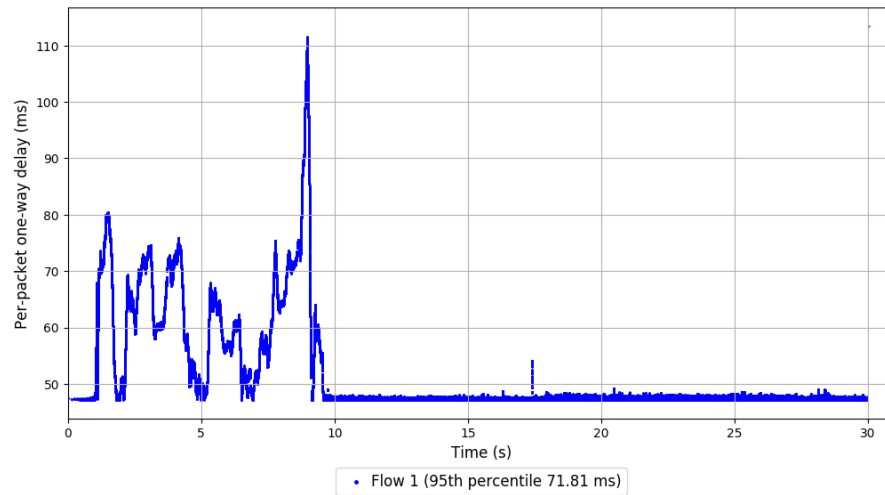
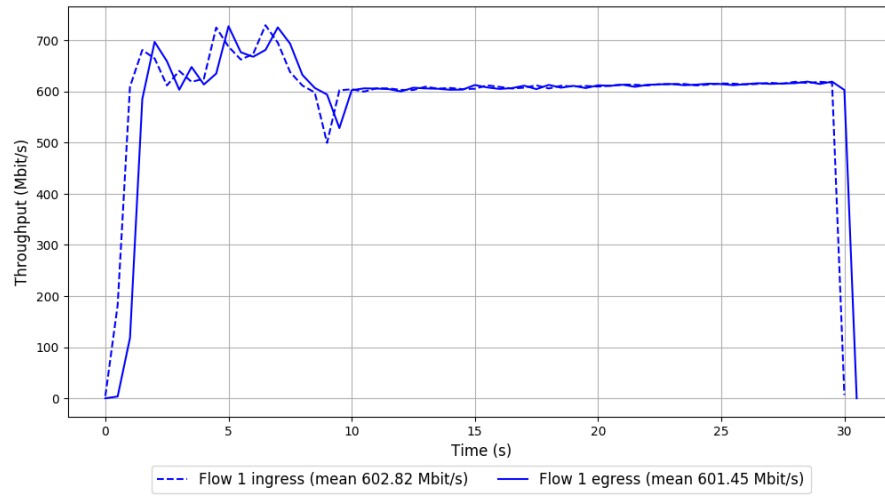
-- Flow 1:

Average throughput: 601.45 Mbit/s

95th percentile per-packet one-way delay: 71.806 ms

Loss rate: 0.22%

Run 1: Report of TCP Vegas — Data Link

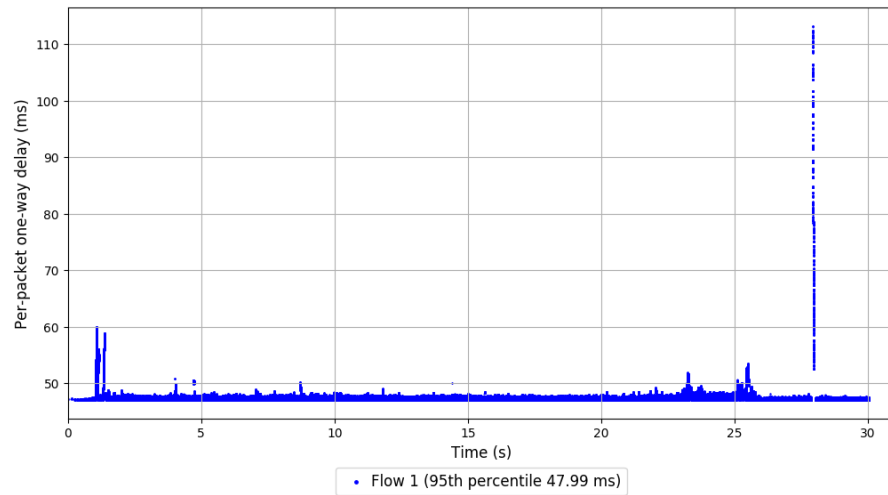
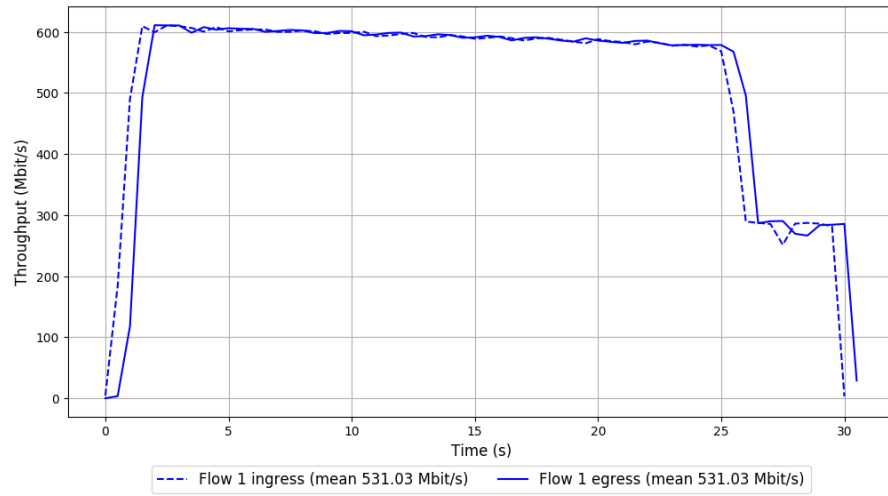


Run 2: Statistics of TCP Vegas

Start at: 2019-02-20 19:47:12
End at: 2019-02-20 19:47:42
Local clock offset: -0.076 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2019-02-20 23:40:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 531.03 Mbit/s
95th percentile per-packet one-way delay: 47.994 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 531.03 Mbit/s
95th percentile per-packet one-way delay: 47.994 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

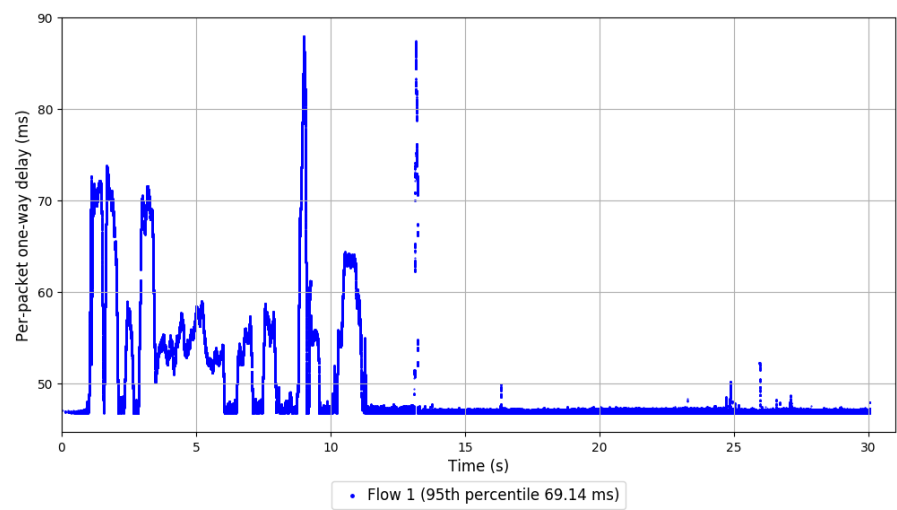
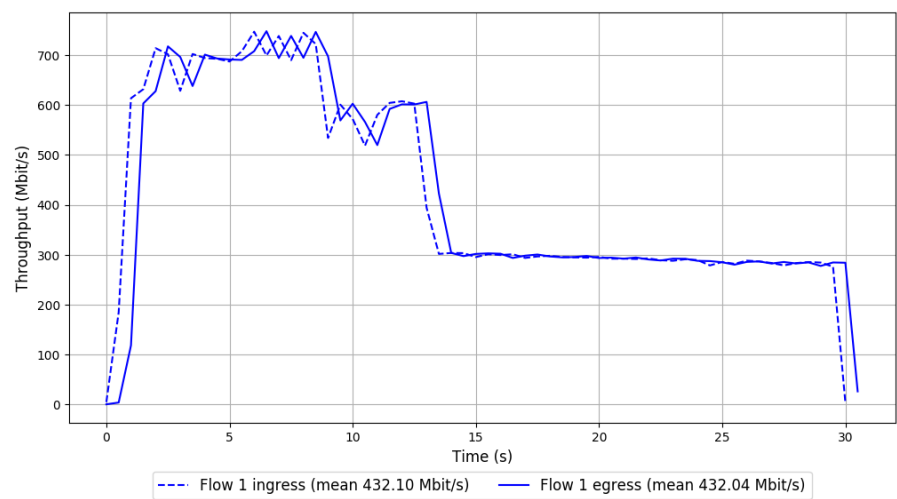


Run 3: Statistics of TCP Vegas

Start at: 2019-02-20 20:18:38
End at: 2019-02-20 20:19:08
Local clock offset: 0.31 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2019-02-20 23:40:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 432.04 Mbit/s
95th percentile per-packet one-way delay: 69.139 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 432.04 Mbit/s
95th percentile per-packet one-way delay: 69.139 ms
Loss rate: 0.01%

Run 3: Report of TCP Vegas — Data Link

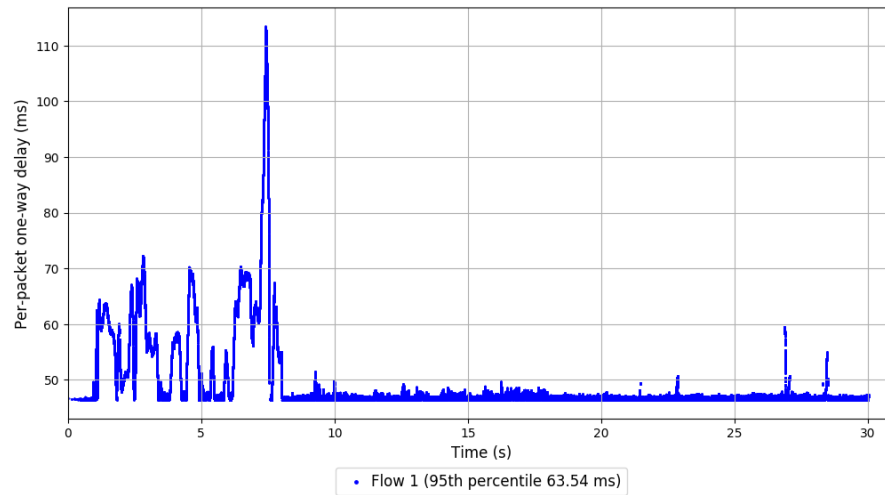
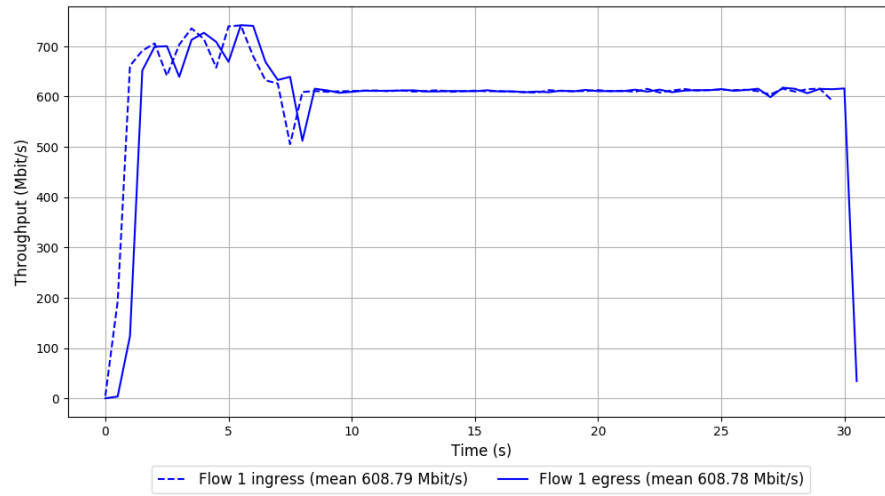


Run 4: Statistics of TCP Vegas

Start at: 2019-02-20 20:50:05
End at: 2019-02-20 20:50:35
Local clock offset: -0.042 ms
Remote clock offset: -0.128 ms

Below is generated by plot.py at 2019-02-20 23:42:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 608.78 Mbit/s
95th percentile per-packet one-way delay: 63.539 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 608.78 Mbit/s
95th percentile per-packet one-way delay: 63.539 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

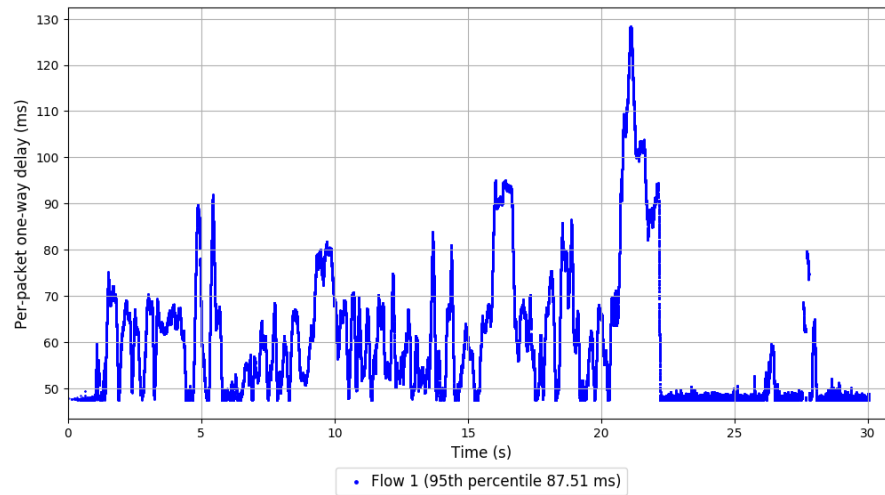
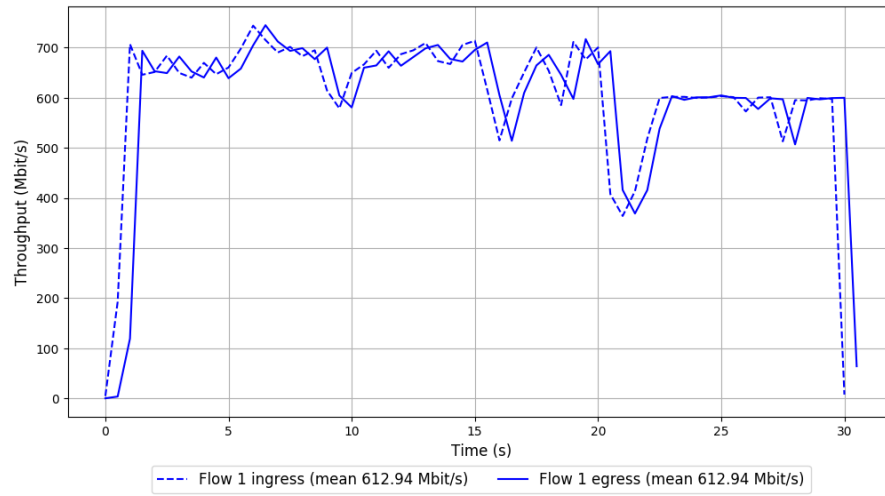


Run 5: Statistics of TCP Vegas

Start at: 2019-02-20 21:21:31
End at: 2019-02-20 21:22:01
Local clock offset: -0.128 ms
Remote clock offset: -0.179 ms

Below is generated by plot.py at 2019-02-20 23:42:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 612.94 Mbit/s
95th percentile per-packet one-way delay: 87.508 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 612.94 Mbit/s
95th percentile per-packet one-way delay: 87.508 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2019-02-20 19:03:23

End at: 2019-02-20 19:03:53

Local clock offset: -0.02 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2019-02-20 23:42:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 173.27 Mbit/s

95th percentile per-packet one-way delay: 129.982 ms

Loss rate: 0.00%

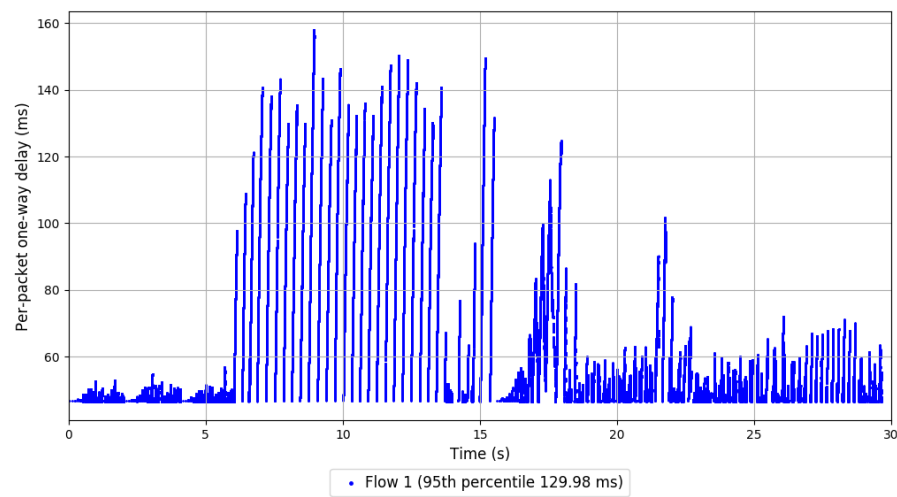
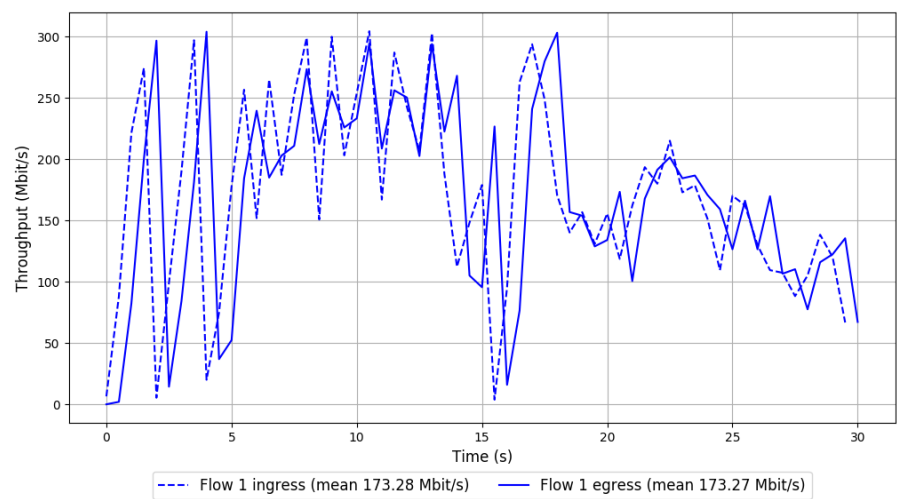
-- Flow 1:

Average throughput: 173.27 Mbit/s

95th percentile per-packet one-way delay: 129.982 ms

Loss rate: 0.00%

Run 1: Report of Verus — Data Link

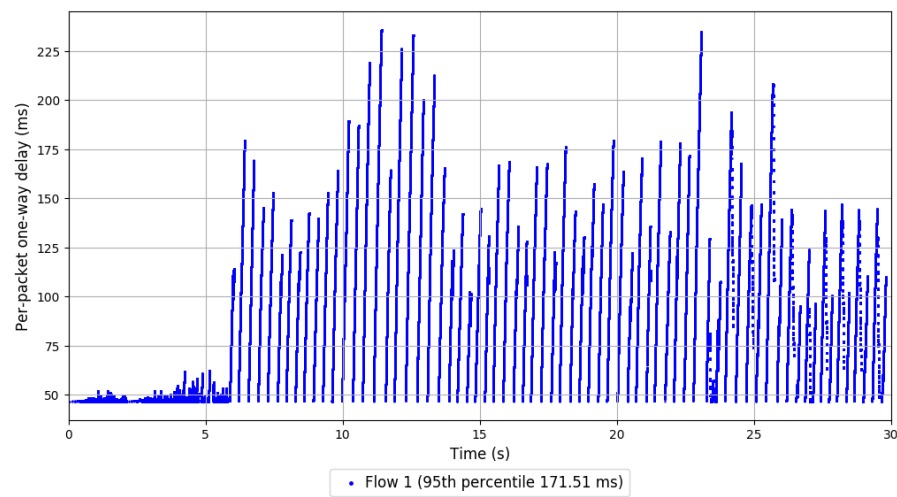
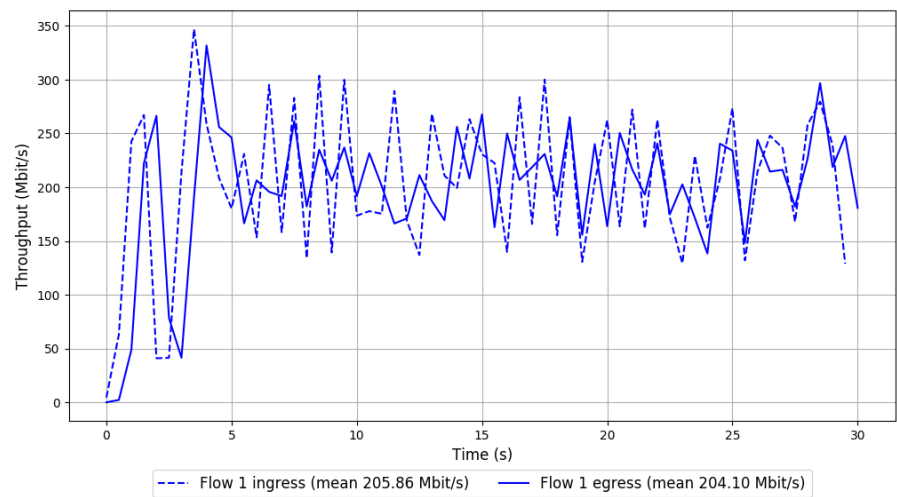


Run 2: Statistics of Verus

Start at: 2019-02-20 19:34:55
End at: 2019-02-20 19:35:25
Local clock offset: -0.137 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2019-02-20 23:42:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 204.10 Mbit/s
95th percentile per-packet one-way delay: 171.510 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 204.10 Mbit/s
95th percentile per-packet one-way delay: 171.510 ms
Loss rate: 0.65%

Run 2: Report of Verus — Data Link

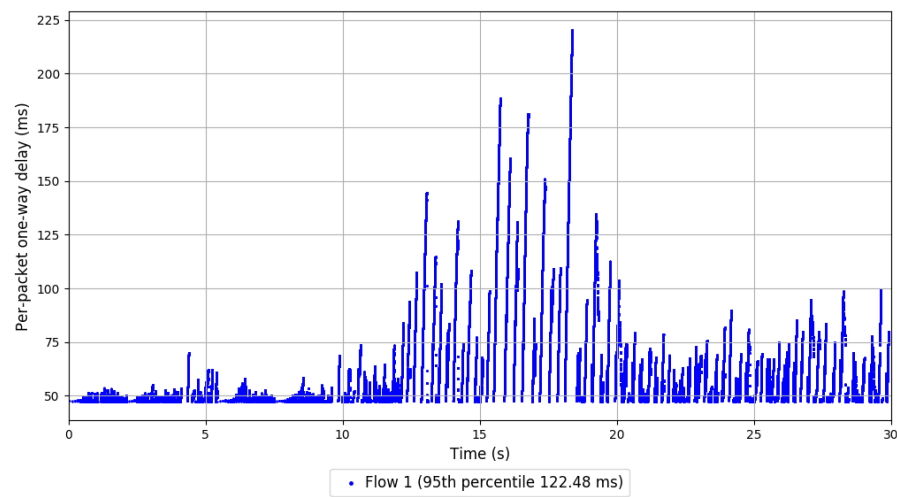
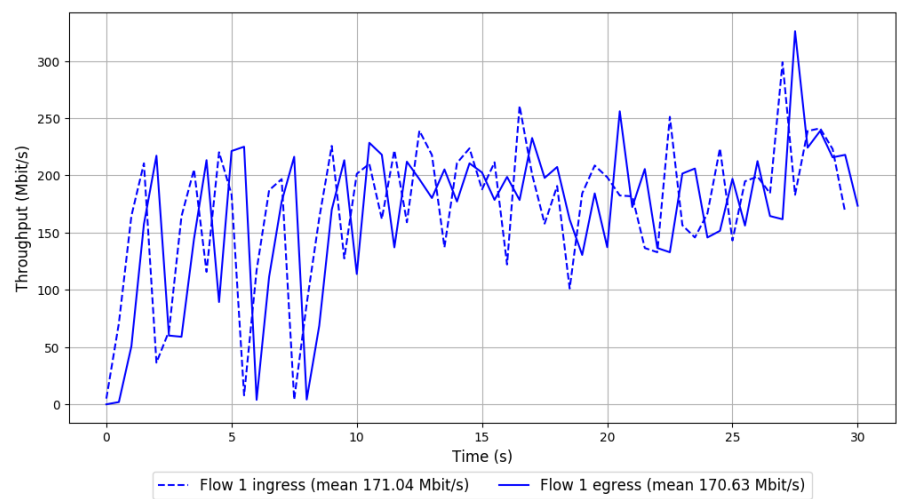


Run 3: Statistics of Verus

Start at: 2019-02-20 20:06:20
End at: 2019-02-20 20:06:50
Local clock offset: -0.034 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2019-02-20 23:42:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 170.63 Mbit/s
95th percentile per-packet one-way delay: 122.482 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 170.63 Mbit/s
95th percentile per-packet one-way delay: 122.482 ms
Loss rate: 0.24%

Run 3: Report of Verus — Data Link

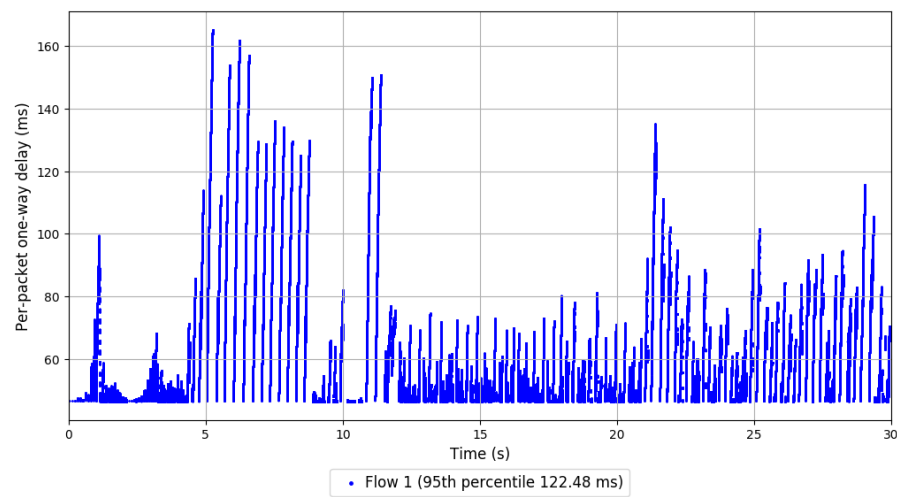
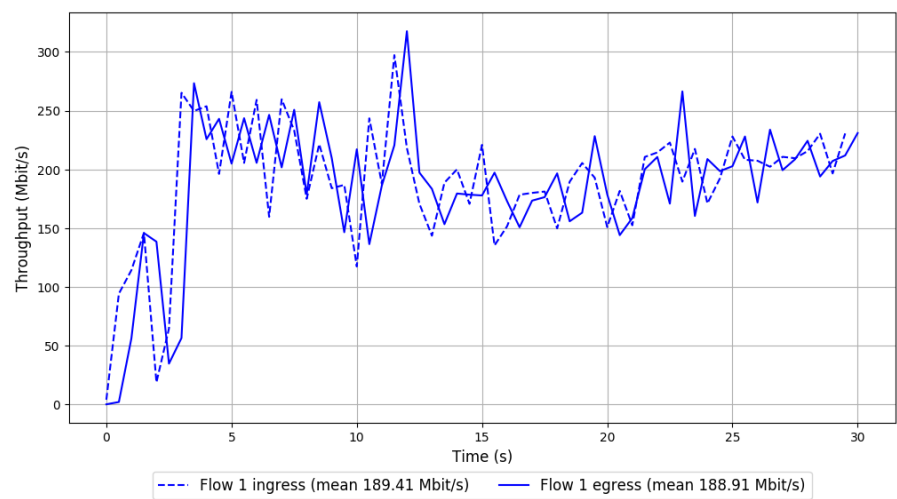


Run 4: Statistics of Verus

Start at: 2019-02-20 20:37:45
End at: 2019-02-20 20:38:15
Local clock offset: -0.022 ms
Remote clock offset: -0.132 ms

Below is generated by plot.py at 2019-02-20 23:42:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 188.91 Mbit/s
95th percentile per-packet one-way delay: 122.484 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 188.91 Mbit/s
95th percentile per-packet one-way delay: 122.484 ms
Loss rate: 0.26%

Run 4: Report of Verus — Data Link

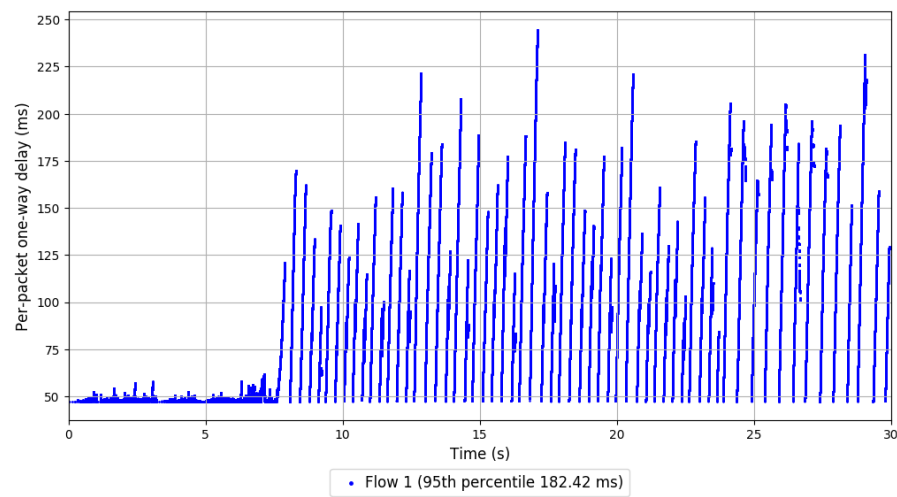
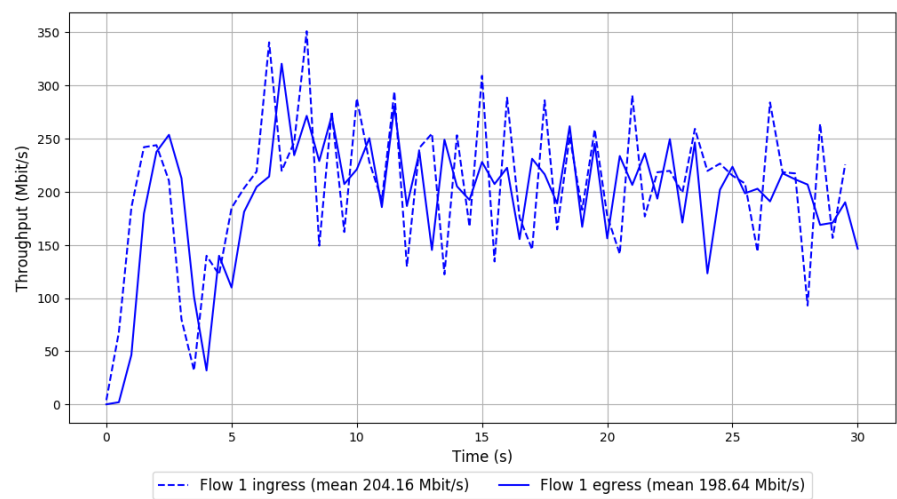


Run 5: Statistics of Verus

Start at: 2019-02-20 21:09:26
End at: 2019-02-20 21:09:56
Local clock offset: -0.14 ms
Remote clock offset: -0.135 ms

Below is generated by plot.py at 2019-02-20 23:43:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 198.64 Mbit/s
95th percentile per-packet one-way delay: 182.420 ms
Loss rate: 2.71%
-- Flow 1:
Average throughput: 198.64 Mbit/s
95th percentile per-packet one-way delay: 182.420 ms
Loss rate: 2.71%

Run 5: Report of Verus — Data Link

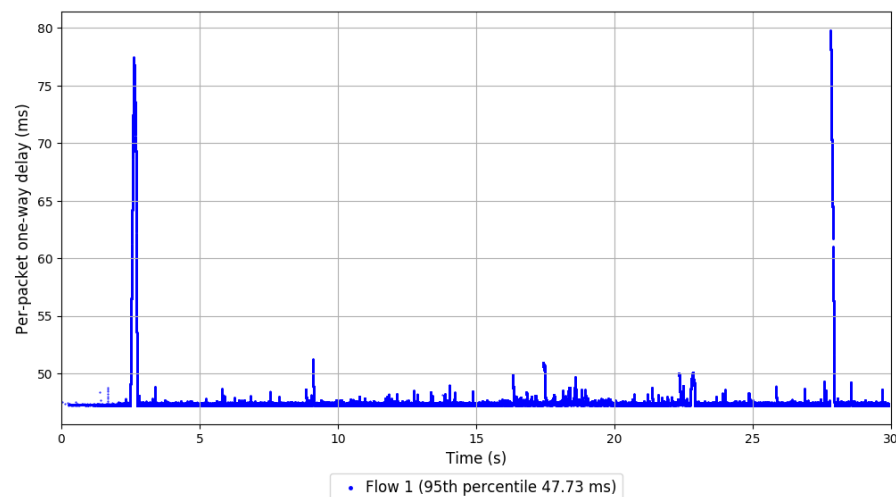
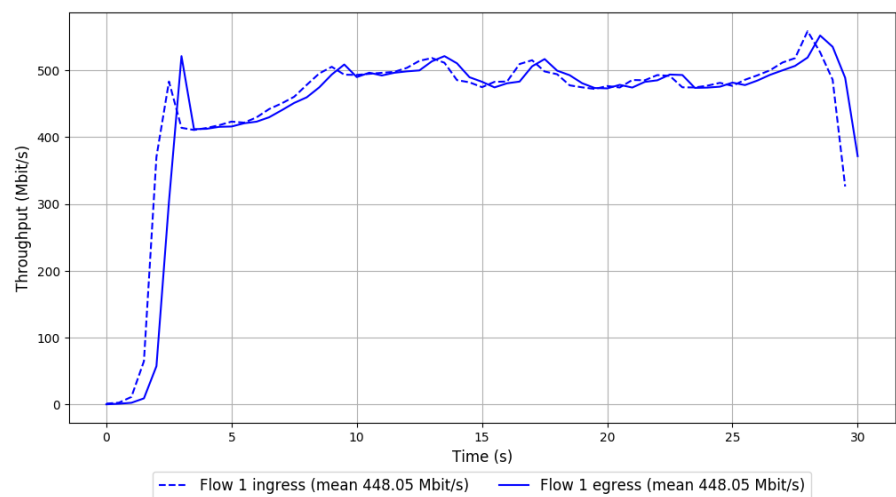


Run 1: Statistics of PCC-Vivace

Start at: 2019-02-20 19:09:40
End at: 2019-02-20 19:10:10
Local clock offset: -0.111 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2019-02-20 23:45:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 448.05 Mbit/s
95th percentile per-packet one-way delay: 47.735 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 448.05 Mbit/s
95th percentile per-packet one-way delay: 47.735 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-02-20 19:41:13

End at: 2019-02-20 19:41:43

Local clock offset: -0.479 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2019-02-20 23:45:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 454.35 Mbit/s

95th percentile per-packet one-way delay: 47.926 ms

Loss rate: 0.00%

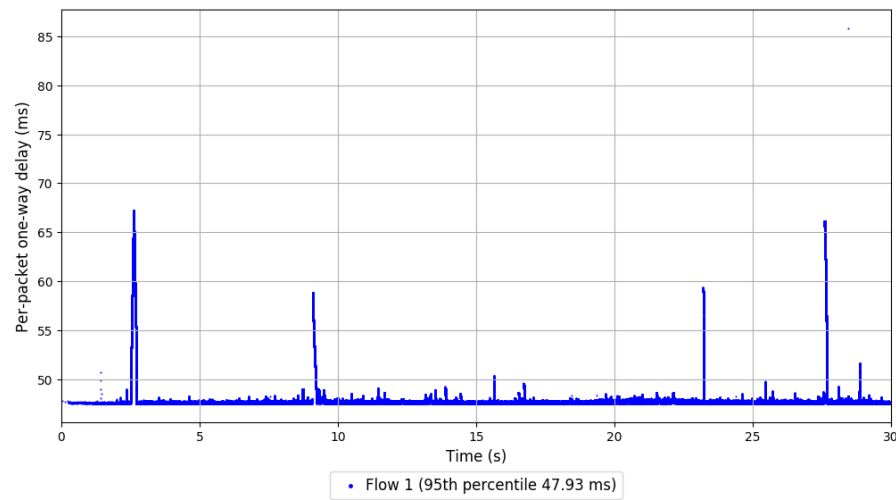
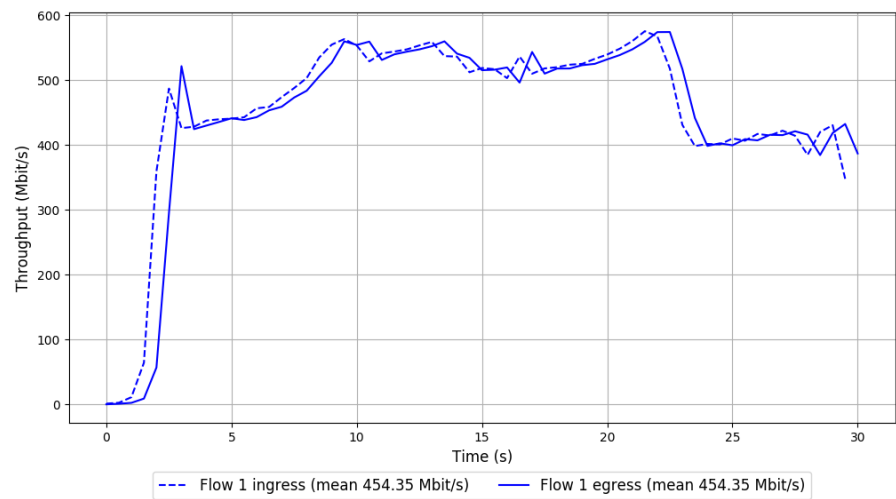
-- Flow 1:

Average throughput: 454.35 Mbit/s

95th percentile per-packet one-way delay: 47.926 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link

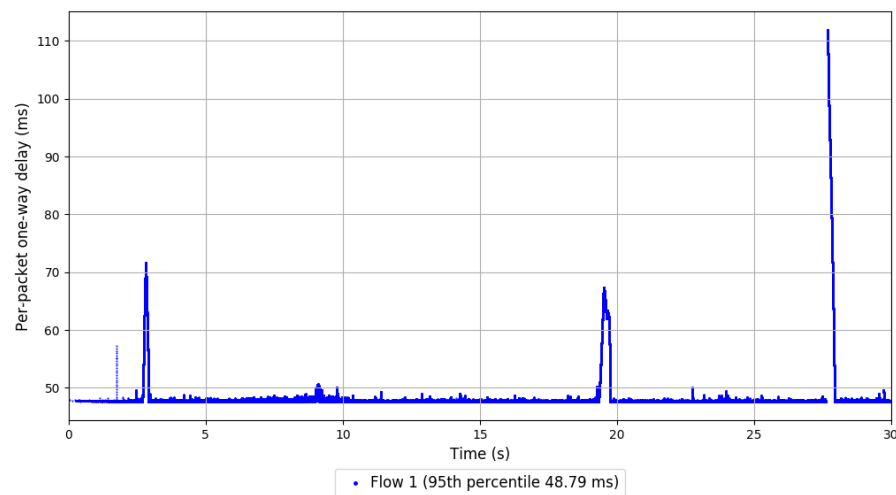
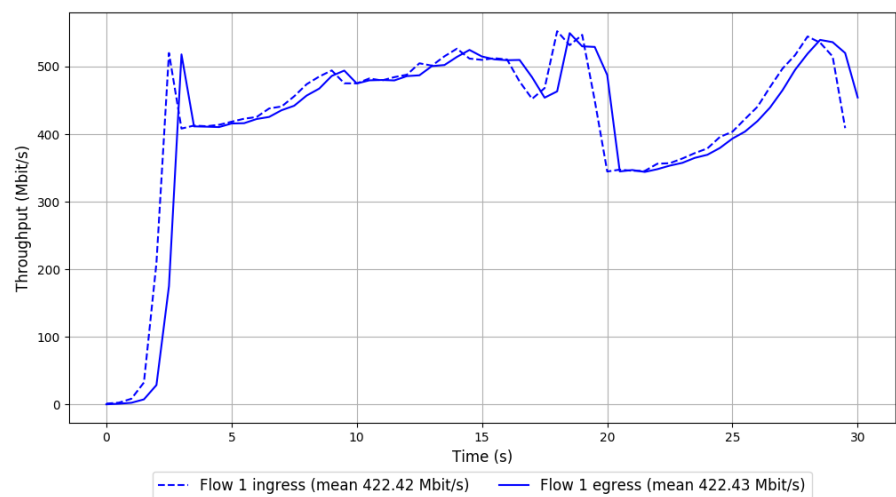


Run 3: Statistics of PCC-Vivace

Start at: 2019-02-20 20:12:37
End at: 2019-02-20 20:13:07
Local clock offset: -0.449 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2019-02-20 23:45:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 422.43 Mbit/s
95th percentile per-packet one-way delay: 48.791 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 422.43 Mbit/s
95th percentile per-packet one-way delay: 48.791 ms
Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

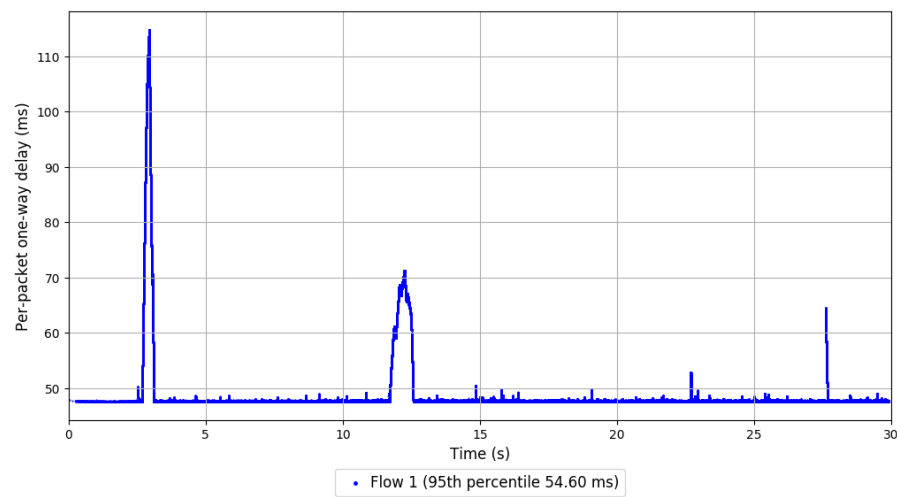
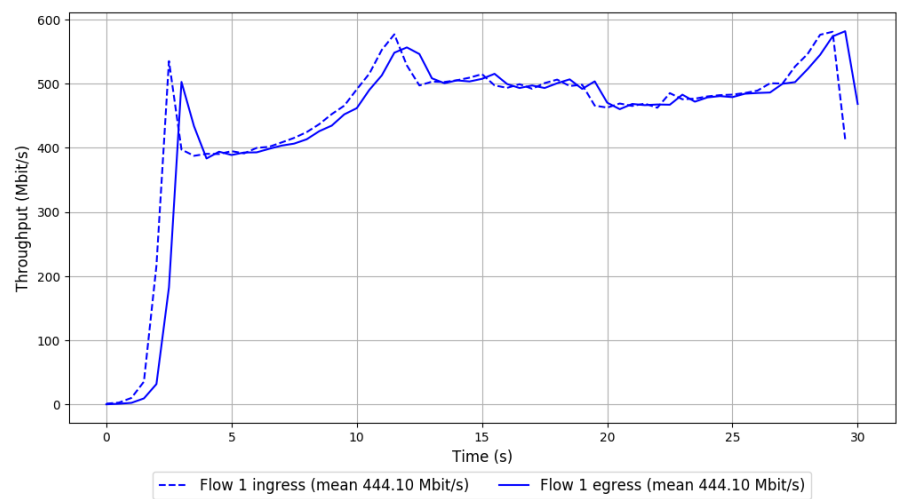


Run 4: Statistics of PCC-Vivace

Start at: 2019-02-20 20:44:05
End at: 2019-02-20 20:44:35
Local clock offset: -0.432 ms
Remote clock offset: -0.137 ms

Below is generated by plot.py at 2019-02-20 23:46:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 444.10 Mbit/s
95th percentile per-packet one-way delay: 54.602 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 444.10 Mbit/s
95th percentile per-packet one-way delay: 54.602 ms
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

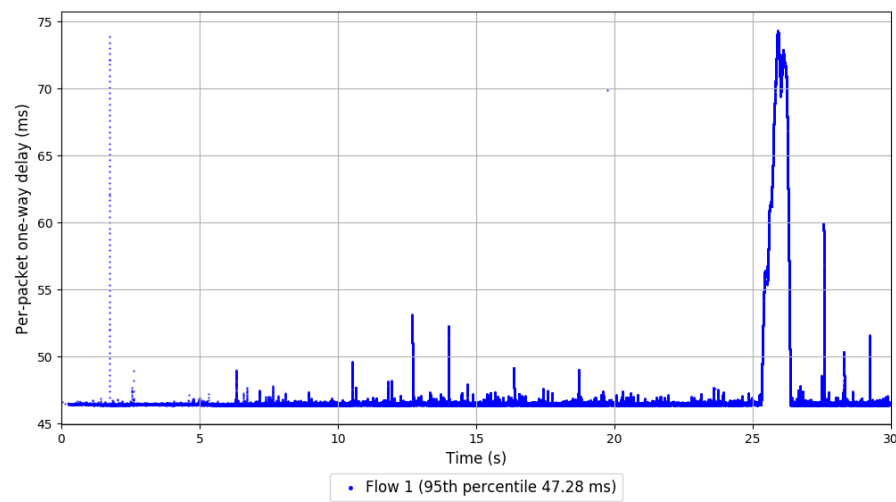
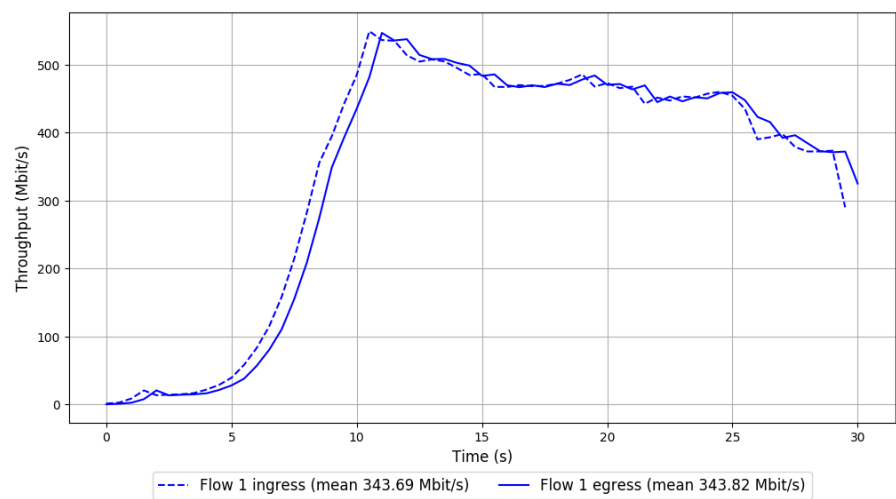


Run 5: Statistics of PCC-Vivace

Start at: 2019-02-20 21:15:41
End at: 2019-02-20 21:16:11
Local clock offset: -0.085 ms
Remote clock offset: -0.172 ms

Below is generated by plot.py at 2019-02-20 23:46:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 343.82 Mbit/s
95th percentile per-packet one-way delay: 47.282 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 343.82 Mbit/s
95th percentile per-packet one-way delay: 47.282 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2019-02-20 18:54:00

End at: 2019-02-20 18:54:30

Local clock offset: 0.35 ms

Remote clock offset: 0.04 ms

Below is generated by plot.py at 2019-02-20 23:46:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 46.719 ms

Loss rate: 0.00%

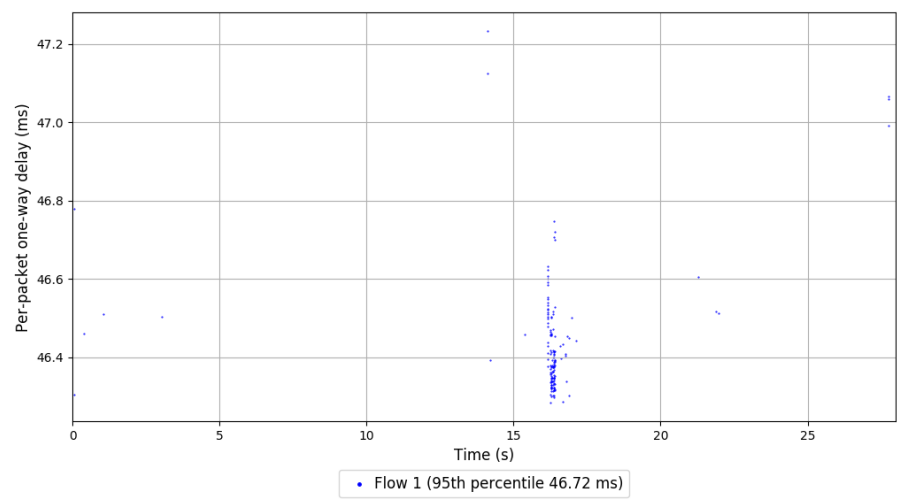
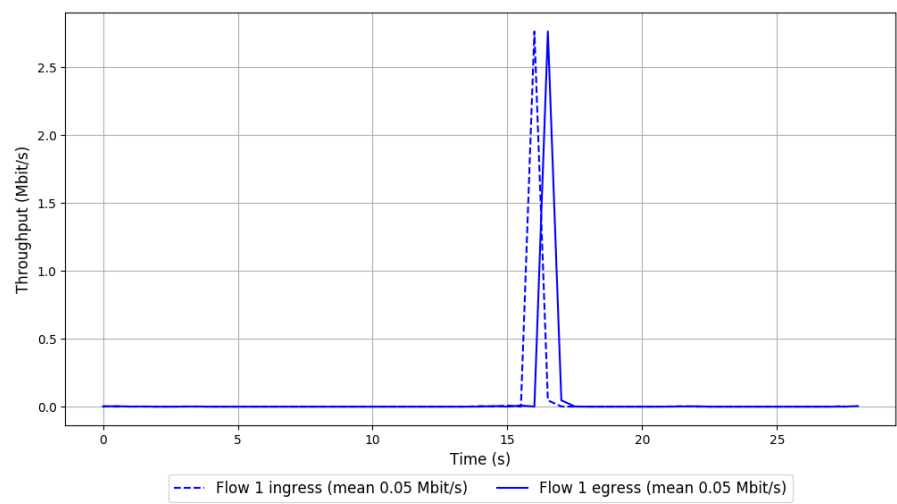
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 46.719 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

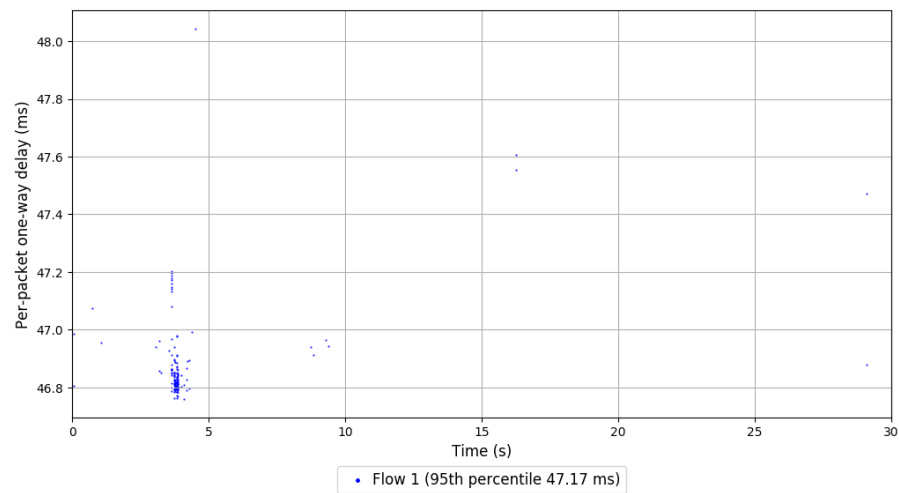
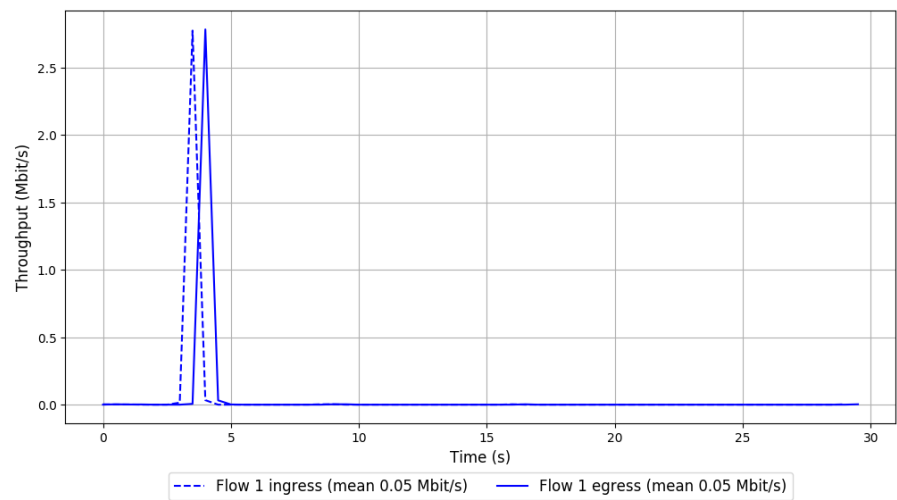


Run 2: Statistics of WebRTC media

Start at: 2019-02-20 19:25:26
End at: 2019-02-20 19:25:56
Local clock offset: -0.467 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2019-02-20 23:46:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 47.172 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 47.172 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

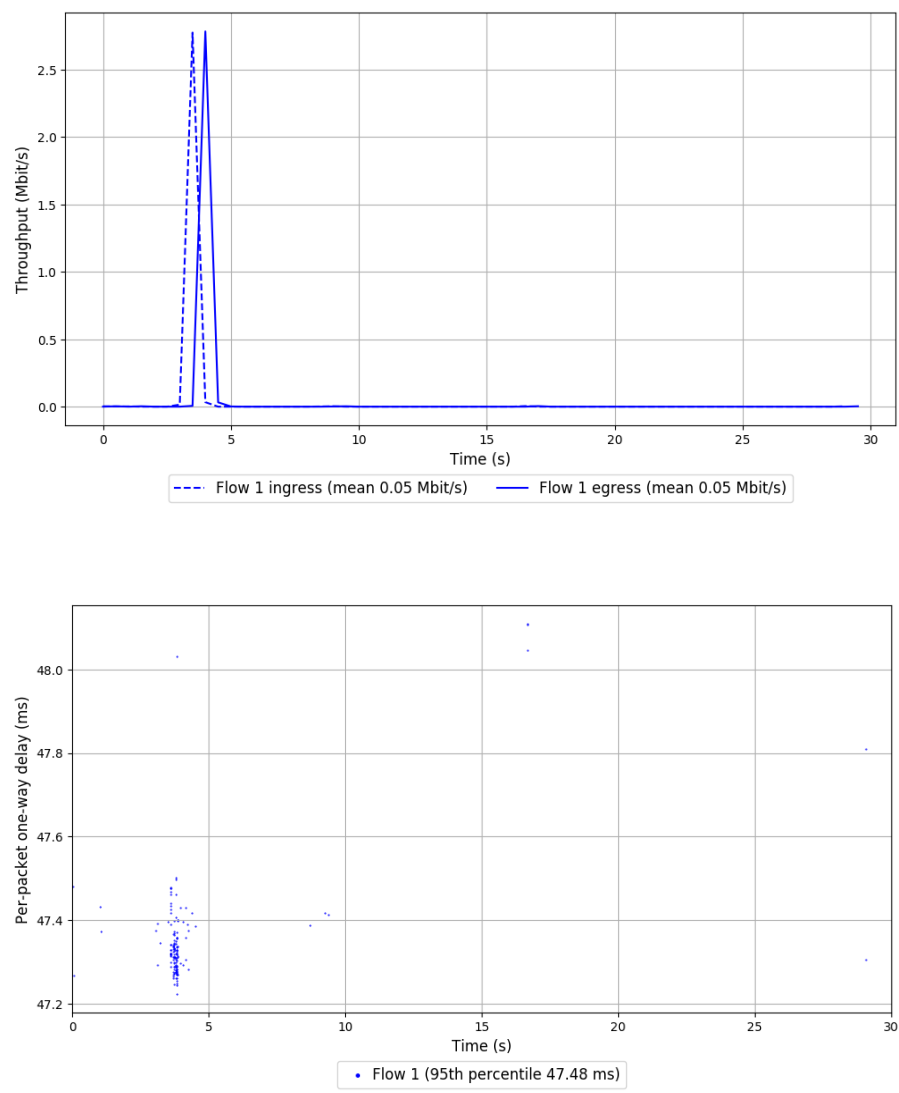


Run 3: Statistics of WebRTC media

Start at: 2019-02-20 19:56:51
End at: 2019-02-20 19:57:21
Local clock offset: -0.102 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2019-02-20 23:46:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 47.479 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 47.479 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-02-20 20:28:18

End at: 2019-02-20 20:28:48

Local clock offset: -0.05 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2019-02-20 23:46:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 46.717 ms

Loss rate: 0.00%

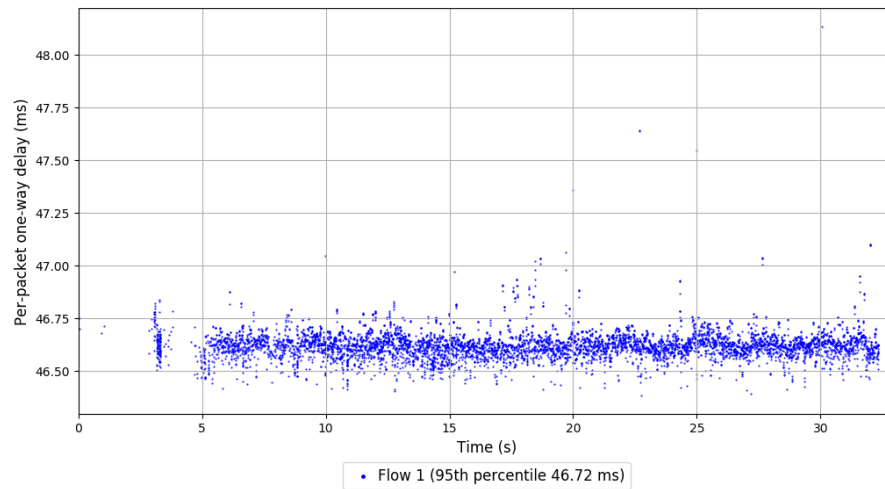
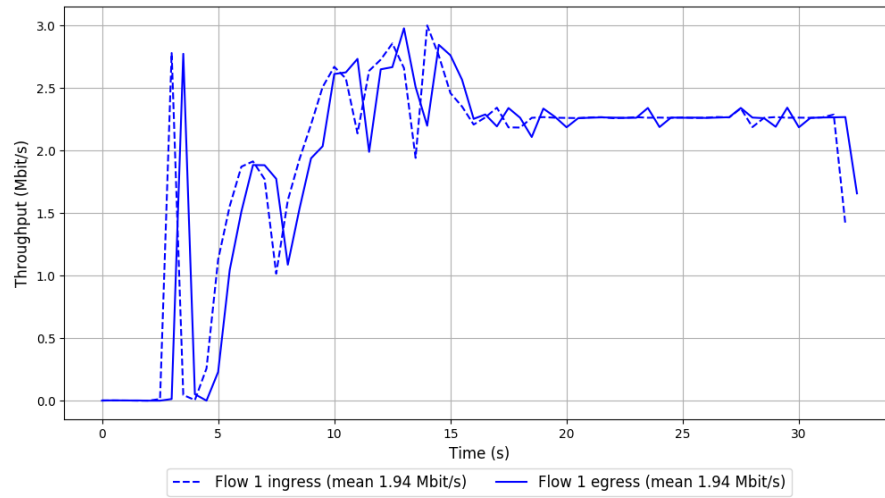
-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 46.717 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-02-20 20:59:57
End at: 2019-02-20 21:00:27
Local clock offset: -0.457 ms
Remote clock offset: -0.165 ms

Below is generated by plot.py at 2019-02-20 23:46:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 47.729 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 47.729 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

