

Pantheon Report

Generated at 2019-02-12 16:47:22 (UTC).

Data path: GCE Sydney on **ens4** (*local*) → GCE Tokyo 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:

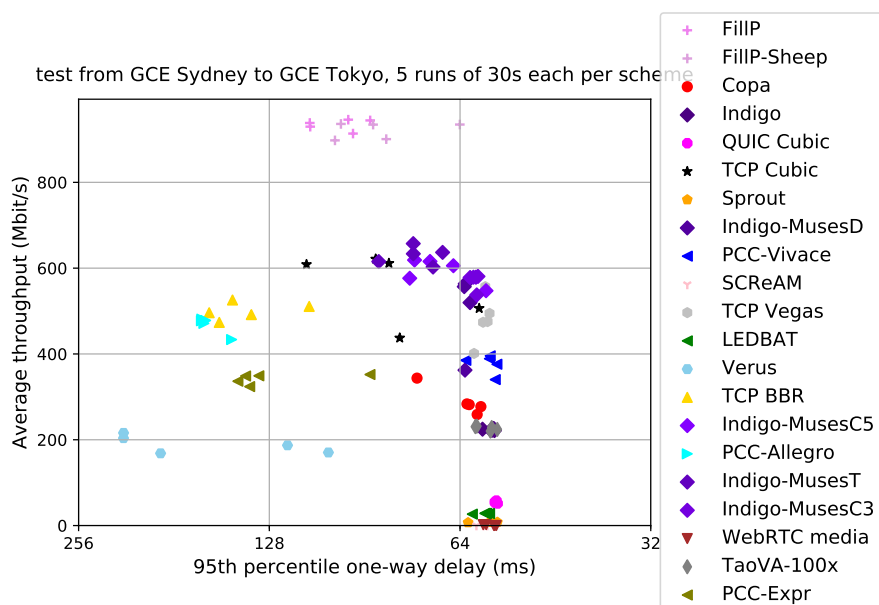
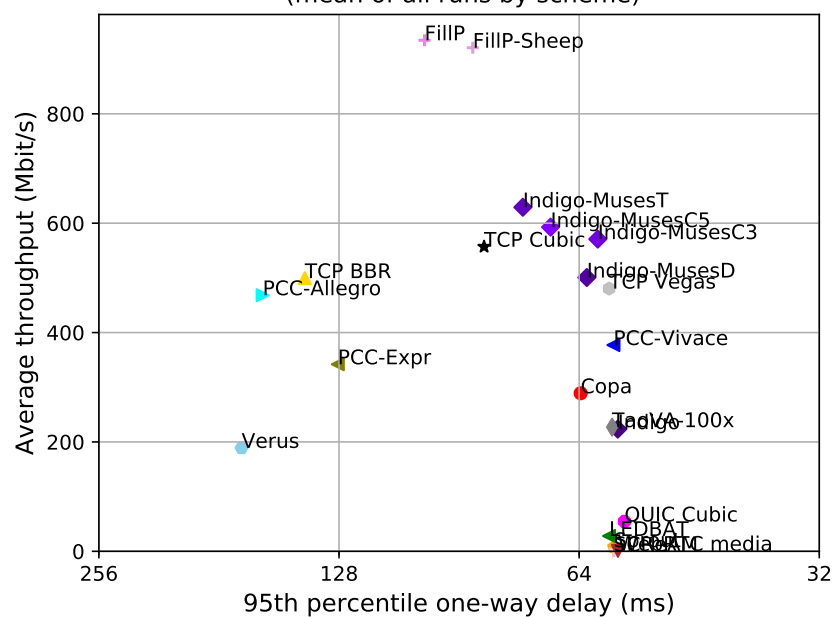
```
Linux 4.15.0-1026-gcp
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

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

test from GCE Sydney to GCE Tokyo, 5 runs of 30s each per scheme
(mean of all runs by scheme)



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	499.59	141.30	0.52
Copa	5	289.05	63.72	0.00
TCP Cubic	5	556.99	84.21	0.04
FillP	5	934.48	100.01	0.58
FillP-Sheep	5	920.83	87.00	0.27
Indigo	5	223.43	57.25	0.00
Indigo-MusesC3	5	570.88	60.65	0.01
Indigo-MusesC5	5	592.81	69.50	0.01
Indigo-MusesD	4	500.61	62.60	0.00
Indigo-MusesT	5	629.09	75.30	0.03
LEDBAT	5	28.01	58.70	0.00
PCC-Allegro	5	468.31	159.57	1.08
PCC-Expr	5	342.00	128.46	0.50
QUIC Cubic	4	54.58	56.16	0.00
SCReAM	5	0.22	57.94	0.03
Sprout	5	7.68	57.89	0.00
TaoVA-100x	5	227.02	58.19	0.00
TCP Vegas	5	480.40	58.70	0.00
Verus	5	189.11	169.59	4.21
PCC-Vivace	5	377.18	57.97	0.00
WebRTC media	5	0.90	57.22	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-02-12 11:38:39

End at: 2019-02-12 11:39:09

Local clock offset: 0.244 ms

Remote clock offset: 0.449 ms

Below is generated by plot.py at 2019-02-12 14:24:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 525.78 Mbit/s

95th percentile per-packet one-way delay: 146.322 ms

Loss rate: 0.51%

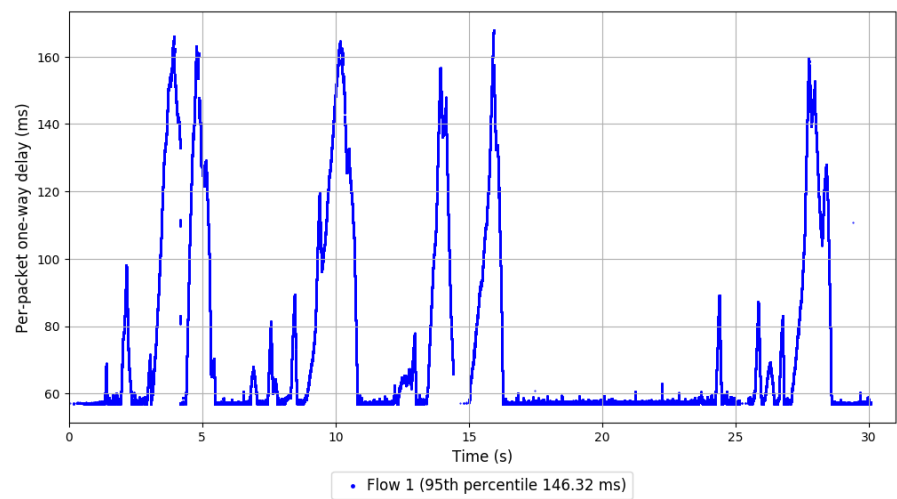
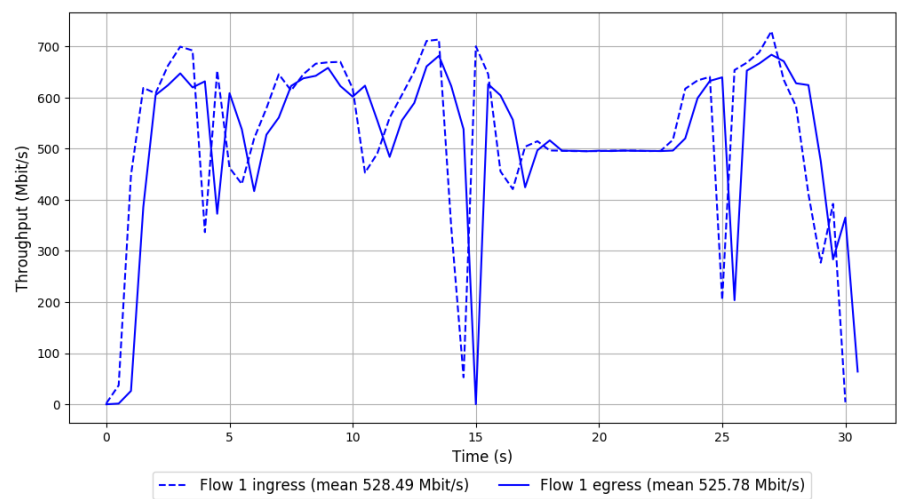
-- Flow 1:

Average throughput: 525.78 Mbit/s

95th percentile per-packet one-way delay: 146.322 ms

Loss rate: 0.51%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-02-12 12:12:59

End at: 2019-02-12 12:13:29

Local clock offset: 0.04 ms

Remote clock offset: -1.51 ms

Below is generated by plot.py at 2019-02-12 14:24:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 491.71 Mbit/s

95th percentile per-packet one-way delay: 136.638 ms

Loss rate: 0.35%

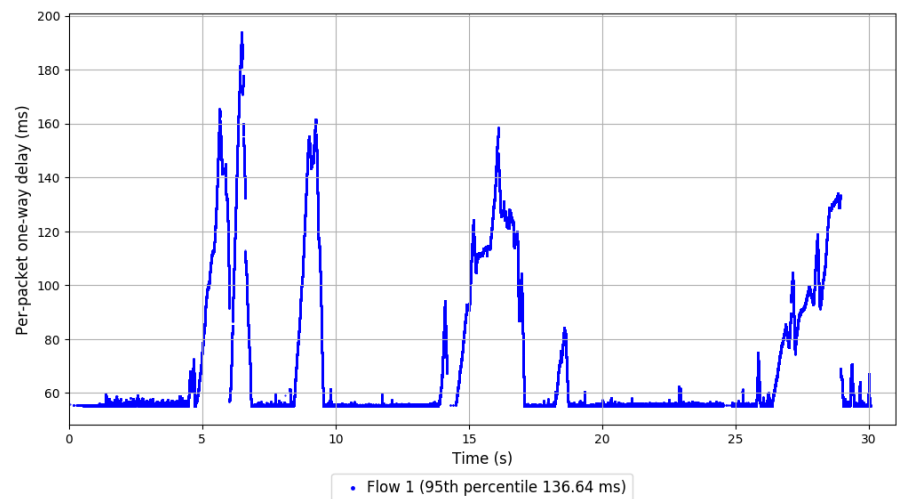
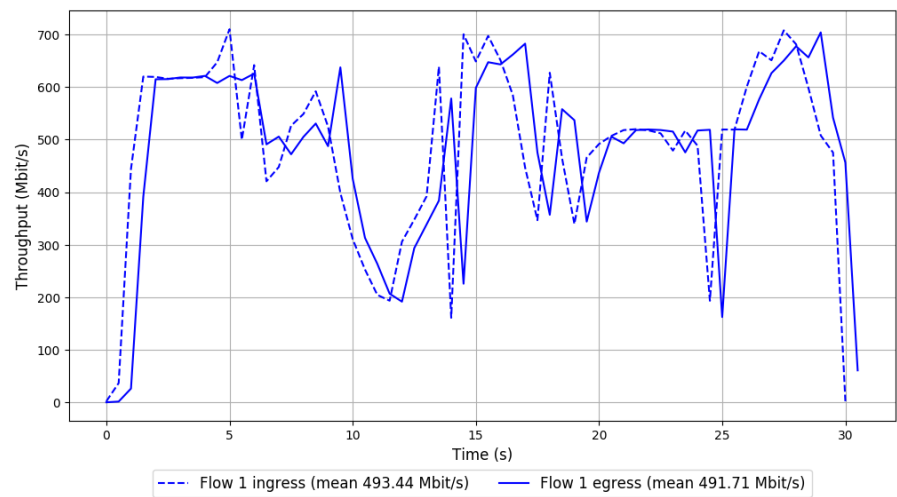
-- Flow 1:

Average throughput: 491.71 Mbit/s

95th percentile per-packet one-way delay: 136.638 ms

Loss rate: 0.35%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-02-12 12:47:54

End at: 2019-02-12 12:48:24

Local clock offset: 0.168 ms

Remote clock offset: -1.408 ms

Below is generated by plot.py at 2019-02-12 14:24:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 473.55 Mbit/s

95th percentile per-packet one-way delay: 153.530 ms

Loss rate: 0.70%

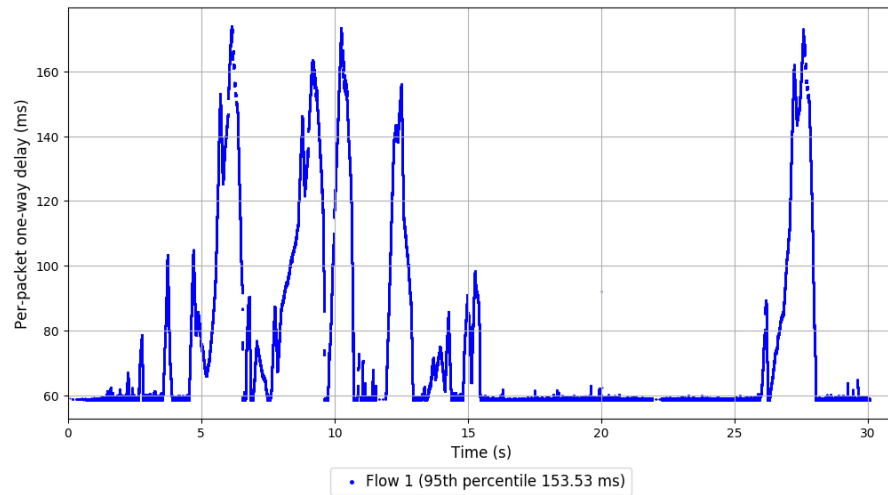
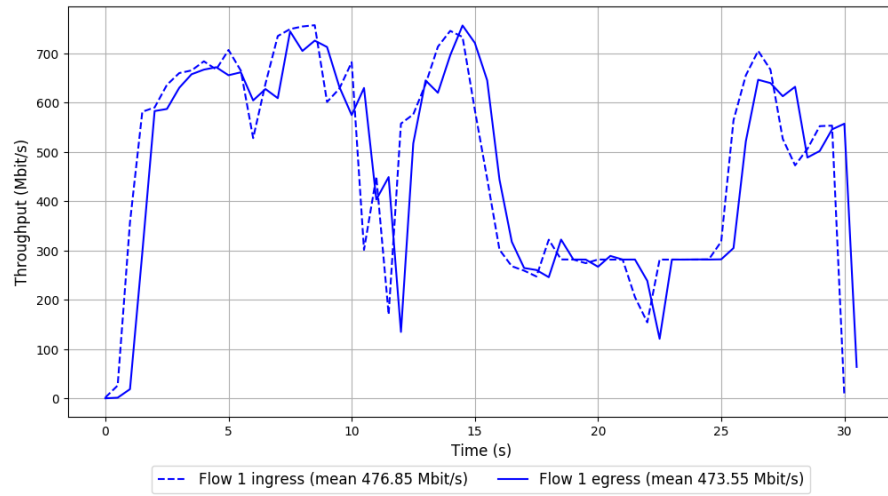
-- Flow 1:

Average throughput: 473.55 Mbit/s

95th percentile per-packet one-way delay: 153.530 ms

Loss rate: 0.70%

Run 3: Report of TCP BBR — Data Link

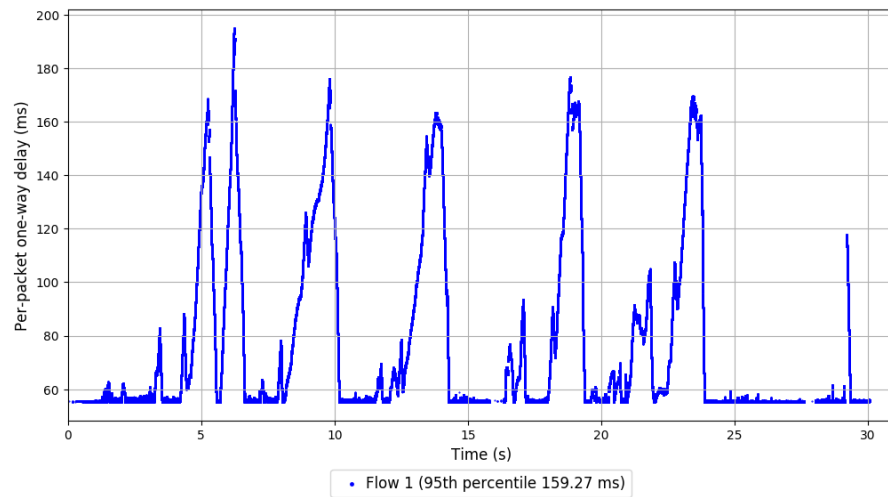
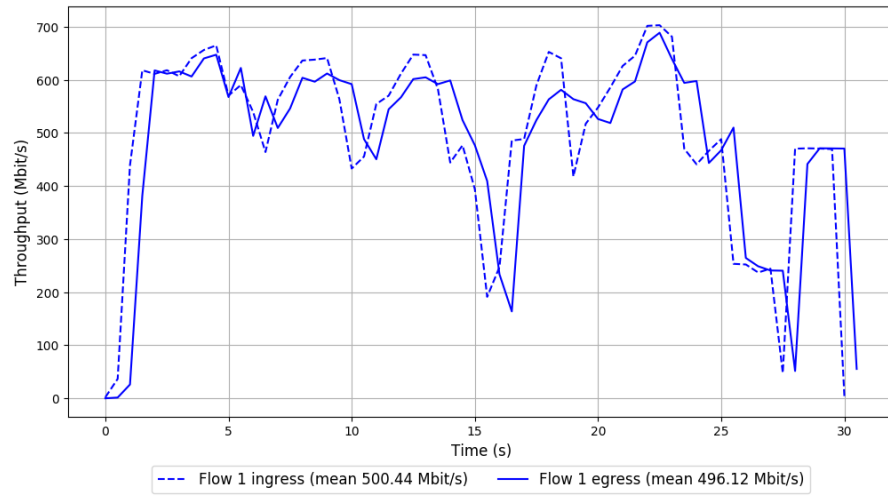


Run 4: Statistics of TCP BBR

Start at: 2019-02-12 13:21:10
End at: 2019-02-12 13:21:40
Local clock offset: 0.358 ms
Remote clock offset: -1.316 ms

Below is generated by plot.py at 2019-02-12 14:24:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 496.12 Mbit/s
95th percentile per-packet one-way delay: 159.266 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 496.12 Mbit/s
95th percentile per-packet one-way delay: 159.266 ms
Loss rate: 0.86%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-02-12 13:55:23

End at: 2019-02-12 13:55:53

Local clock offset: -0.615 ms

Remote clock offset: -0.62 ms

Below is generated by plot.py at 2019-02-12 14:24:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 510.80 Mbit/s

95th percentile per-packet one-way delay: 110.727 ms

Loss rate: 0.18%

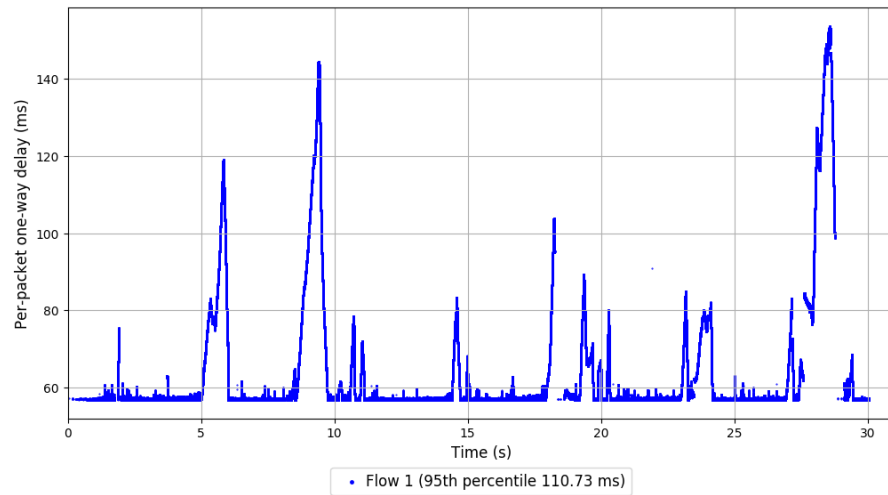
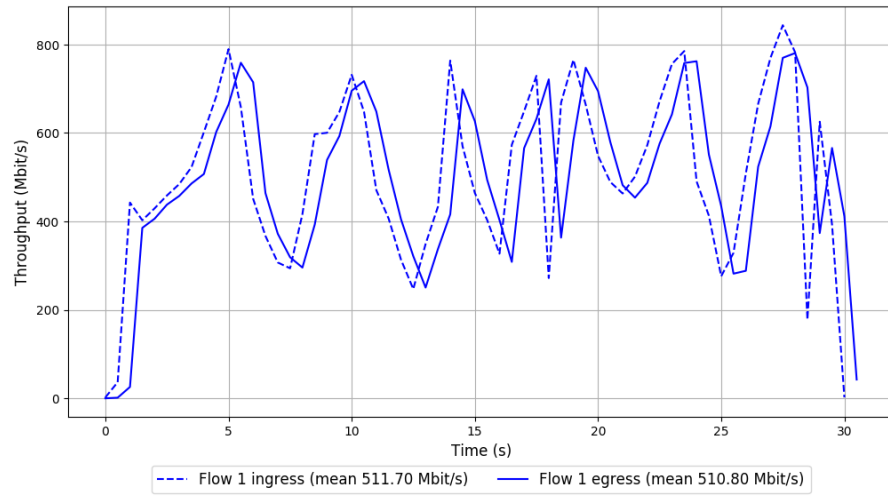
-- Flow 1:

Average throughput: 510.80 Mbit/s

95th percentile per-packet one-way delay: 110.727 ms

Loss rate: 0.18%

Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2019-02-12 11:35:35

End at: 2019-02-12 11:36:06

Local clock offset: -0.225 ms

Remote clock offset: 1.225 ms

Below is generated by plot.py at 2019-02-12 14:26:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 343.64 Mbit/s

95th percentile per-packet one-way delay: 74.832 ms

Loss rate: 0.00%

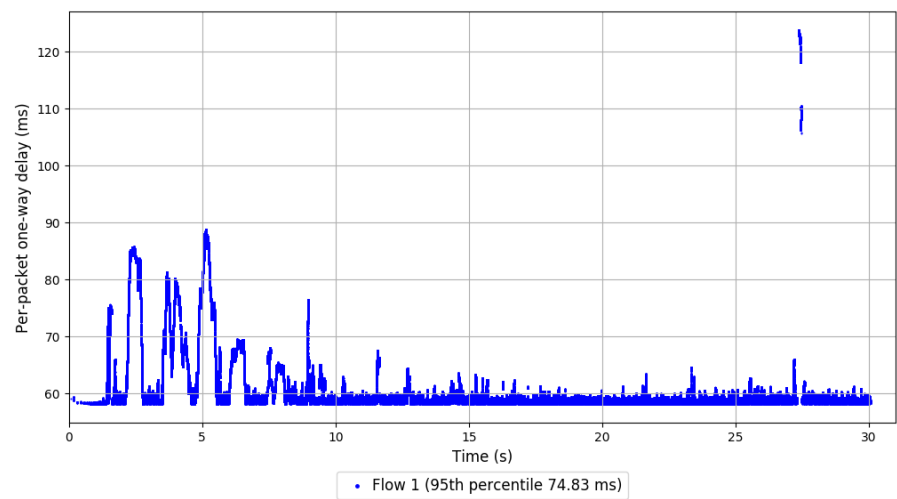
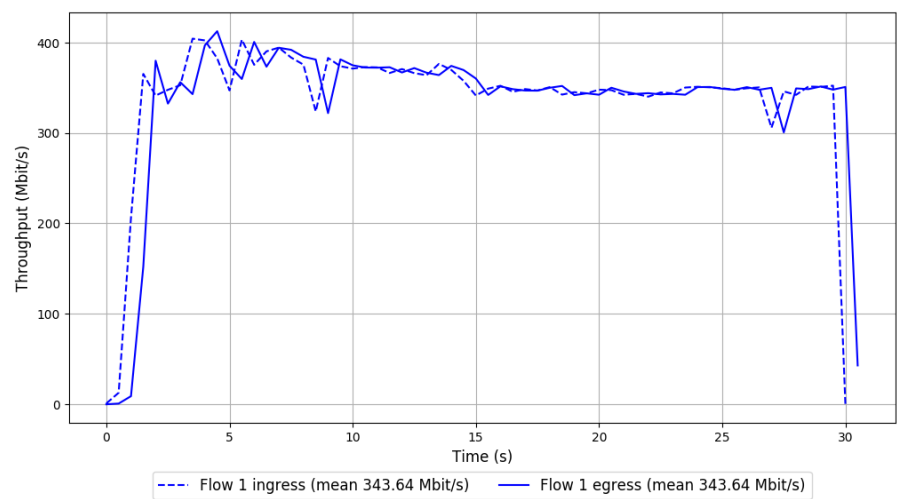
-- Flow 1:

Average throughput: 343.64 Mbit/s

95th percentile per-packet one-way delay: 74.832 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link

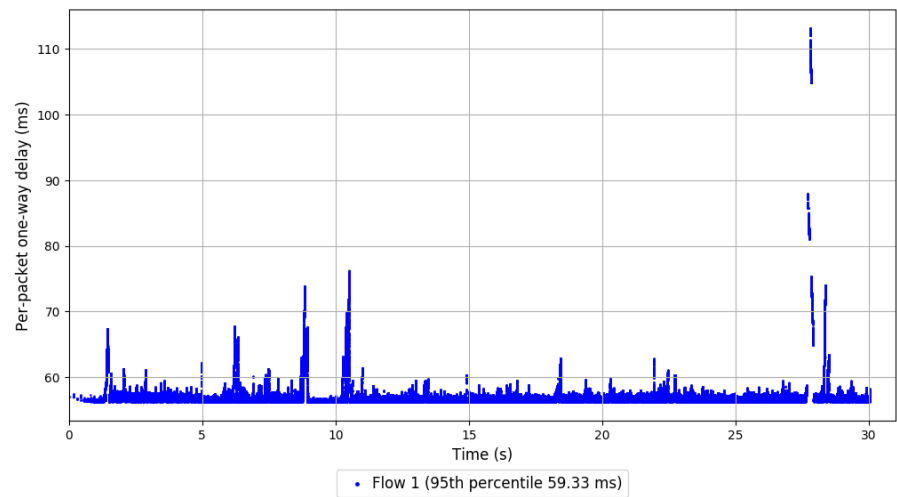
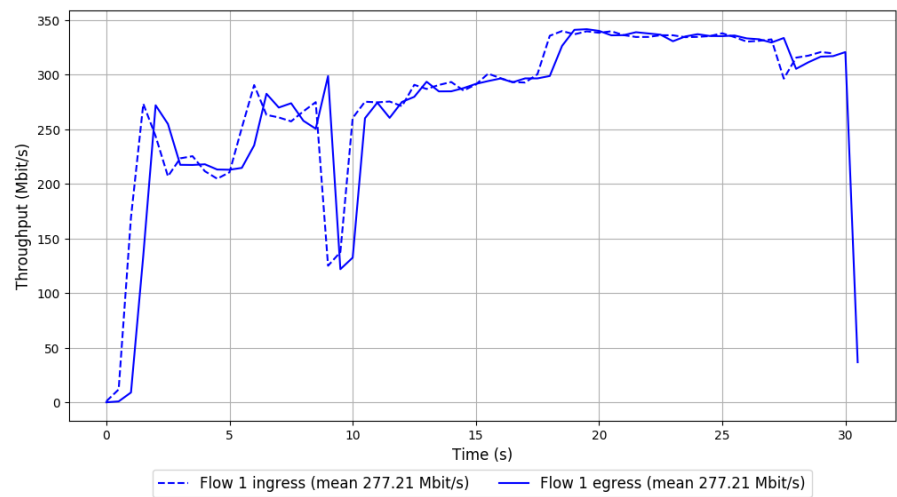


Run 2: Statistics of Copa

Start at: 2019-02-12 12:10:04
End at: 2019-02-12 12:10:34
Local clock offset: -0.186 ms
Remote clock offset: -0.795 ms

Below is generated by plot.py at 2019-02-12 14:26:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 277.21 Mbit/s
95th percentile per-packet one-way delay: 59.331 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 277.21 Mbit/s
95th percentile per-packet one-way delay: 59.331 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

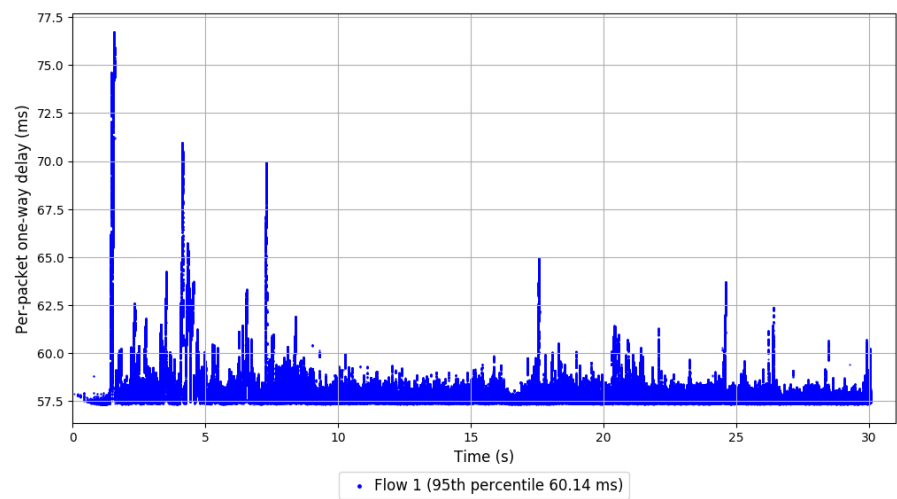
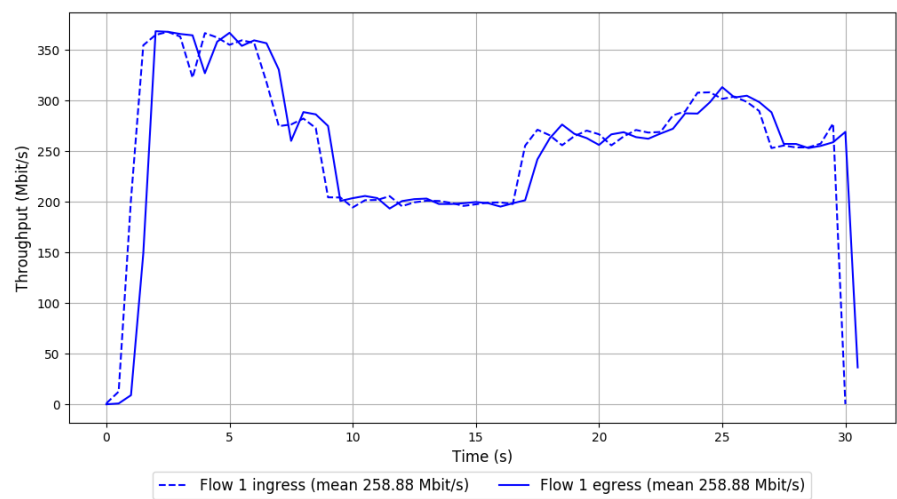


Run 3: Statistics of Copa

Start at: 2019-02-12 12:44:53
End at: 2019-02-12 12:45:23
Local clock offset: -0.646 ms
Remote clock offset: -0.124 ms

Below is generated by plot.py at 2019-02-12 14:26:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 258.88 Mbit/s
95th percentile per-packet one-way delay: 60.138 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 258.88 Mbit/s
95th percentile per-packet one-way delay: 60.138 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

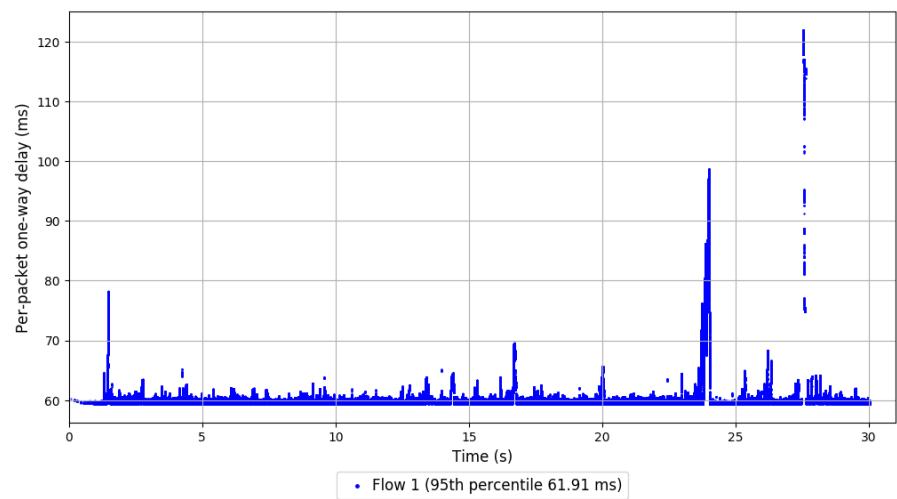
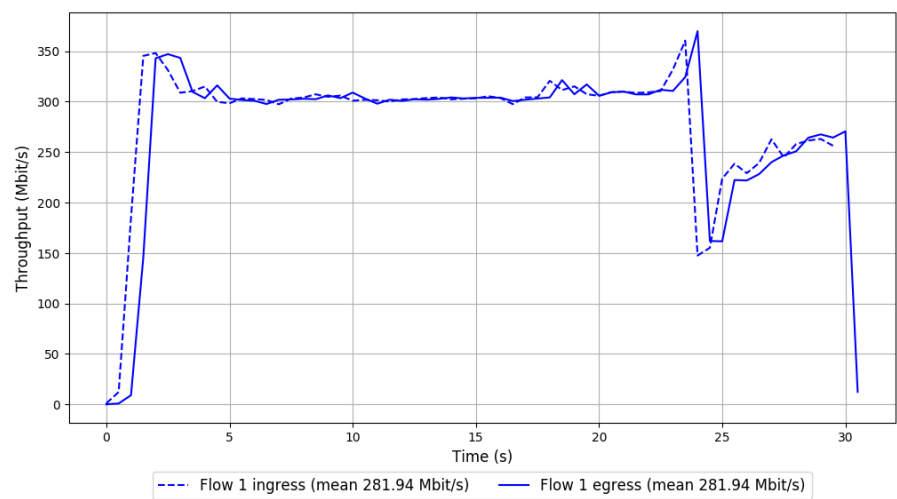


Run 4: Statistics of Copa

Start at: 2019-02-12 13:18:18
End at: 2019-02-12 13:18:48
Local clock offset: -0.406 ms
Remote clock offset: -1.275 ms

Below is generated by plot.py at 2019-02-12 14:36:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 281.94 Mbit/s
95th percentile per-packet one-way delay: 61.906 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 281.94 Mbit/s
95th percentile per-packet one-way delay: 61.906 ms
Loss rate: 0.01%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2019-02-12 13:52:32

End at: 2019-02-12 13:53:02

Local clock offset: 0.331 ms

Remote clock offset: 0.226 ms

Below is generated by plot.py at 2019-02-12 14:36:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 283.57 Mbit/s

95th percentile per-packet one-way delay: 62.413 ms

Loss rate: 0.00%

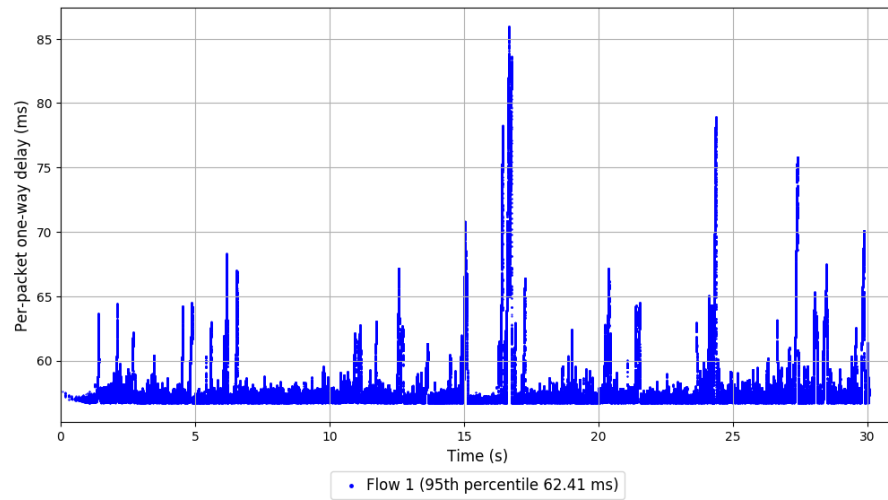
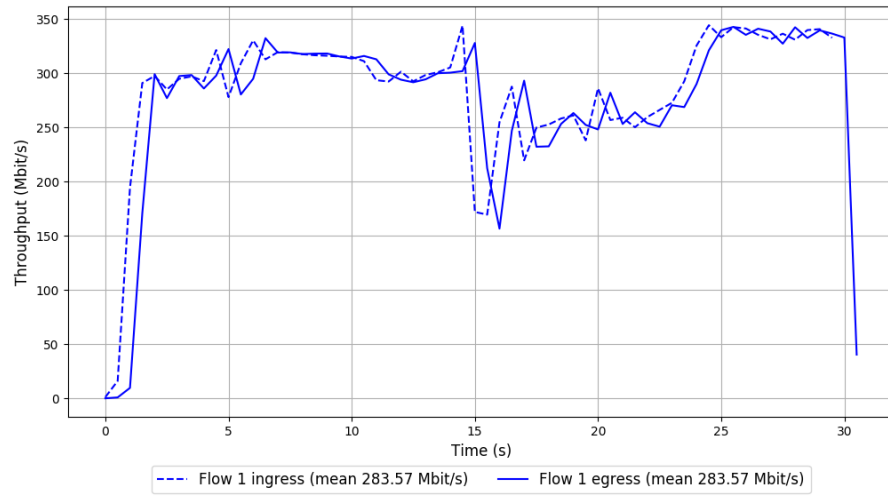
-- Flow 1:

Average throughput: 283.57 Mbit/s

95th percentile per-packet one-way delay: 62.413 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link

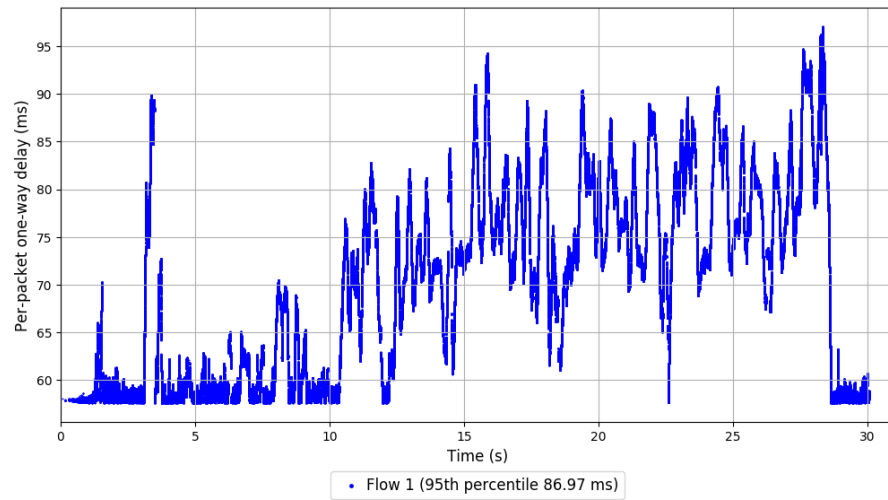
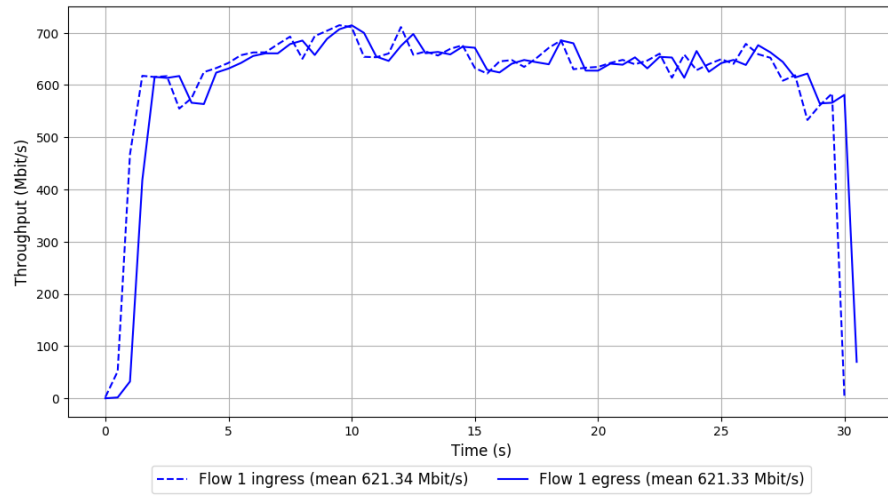


Run 1: Statistics of TCP Cubic

Start at: 2019-02-12 11:32:34
End at: 2019-02-12 11:33:04
Local clock offset: -0.434 ms
Remote clock offset: -0.109 ms

Below is generated by plot.py at 2019-02-12 14:38:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 621.33 Mbit/s
95th percentile per-packet one-way delay: 86.968 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 621.33 Mbit/s
95th percentile per-packet one-way delay: 86.968 ms
Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link

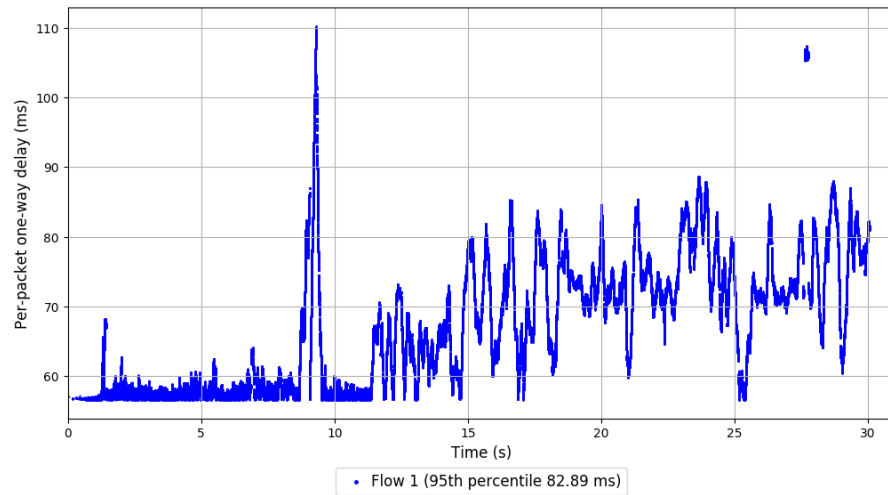
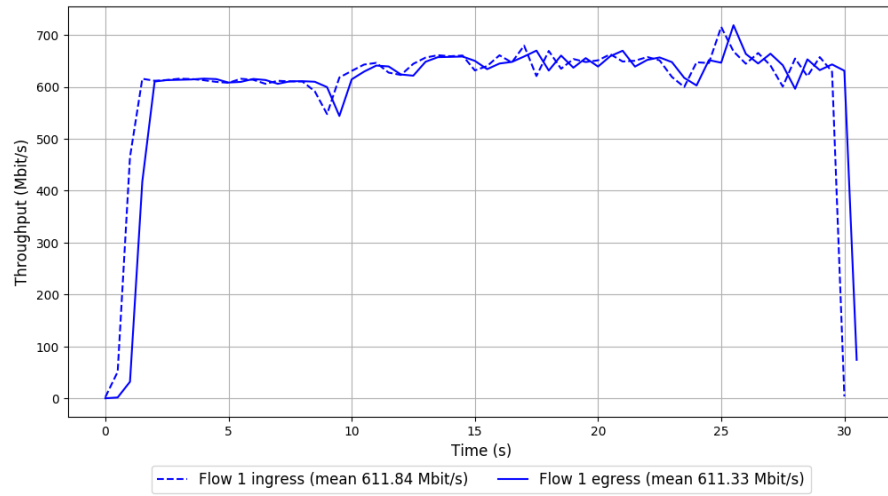


Run 2: Statistics of TCP Cubic

Start at: 2019-02-12 12:07:01
End at: 2019-02-12 12:07:31
Local clock offset: -0.201 ms
Remote clock offset: -0.821 ms

Below is generated by plot.py at 2019-02-12 14:38:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 611.33 Mbit/s
95th percentile per-packet one-way delay: 82.886 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 611.33 Mbit/s
95th percentile per-packet one-way delay: 82.886 ms
Loss rate: 0.08%

Run 2: Report of TCP Cubic — Data Link

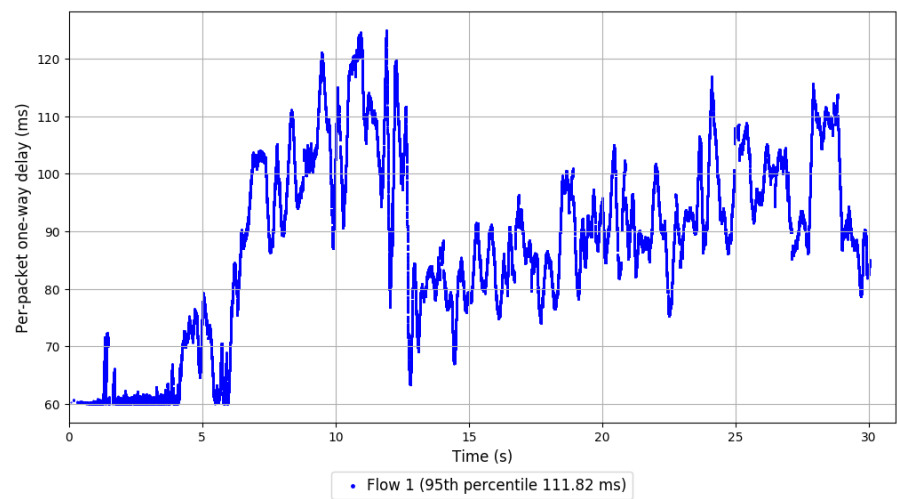
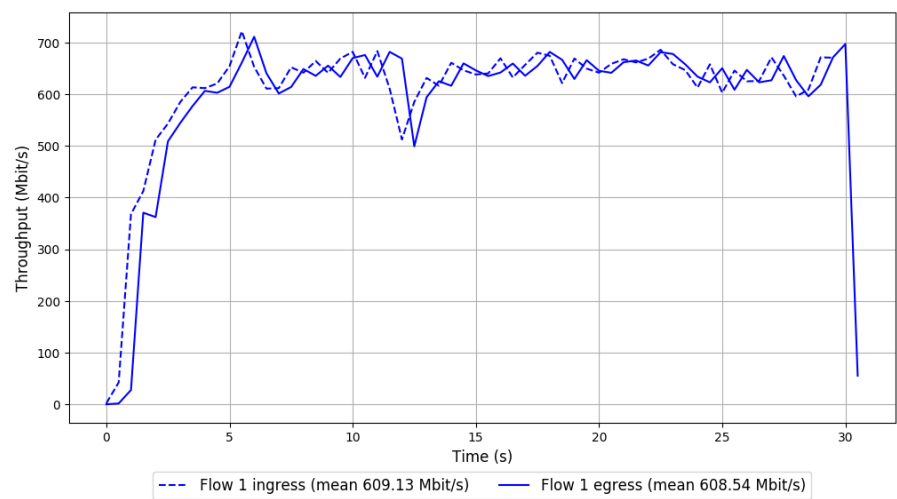


Run 3: Statistics of TCP Cubic

Start at: 2019-02-12 12:41:50
End at: 2019-02-12 12:42:20
Local clock offset: 0.183 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2019-02-12 14:38:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 608.54 Mbit/s
95th percentile per-packet one-way delay: 111.819 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 608.54 Mbit/s
95th percentile per-packet one-way delay: 111.819 ms
Loss rate: 0.11%

Run 3: Report of TCP Cubic — Data Link

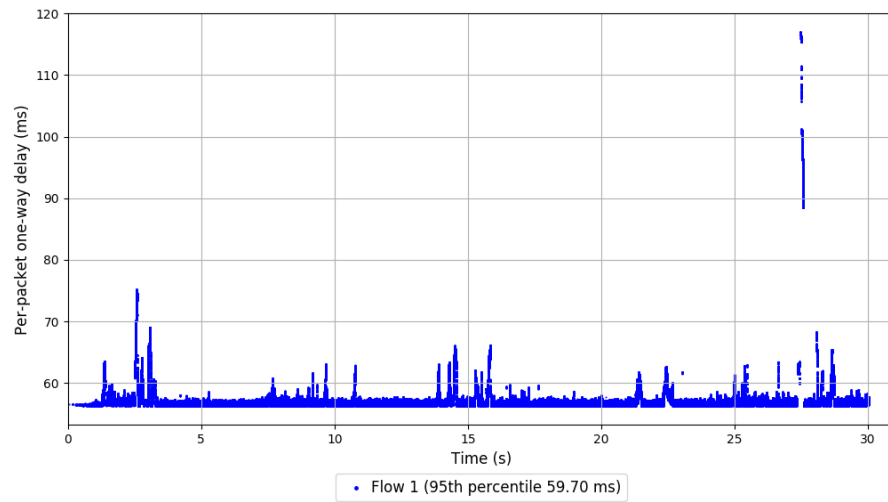
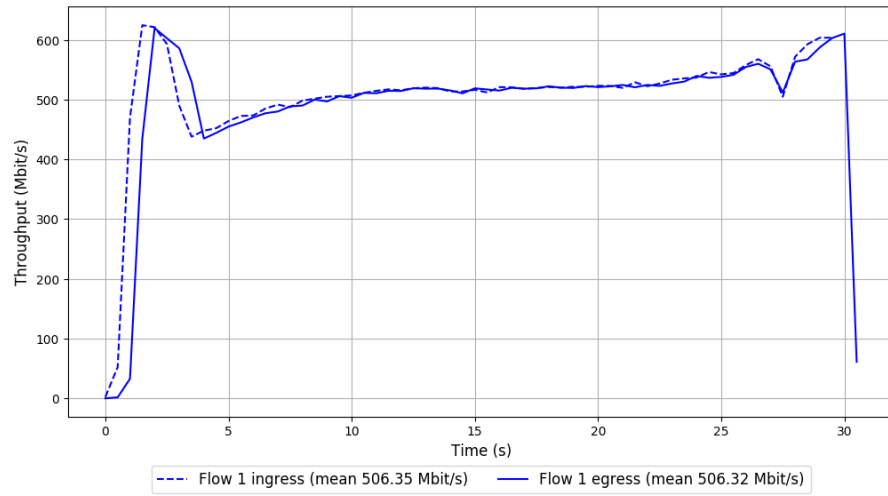


Run 4: Statistics of TCP Cubic

Start at: 2019-02-12 13:15:24
End at: 2019-02-12 13:15:54
Local clock offset: -0.381 ms
Remote clock offset: -1.322 ms

Below is generated by plot.py at 2019-02-12 14:38:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 506.32 Mbit/s
95th percentile per-packet one-way delay: 59.701 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 506.32 Mbit/s
95th percentile per-packet one-way delay: 59.701 ms
Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link

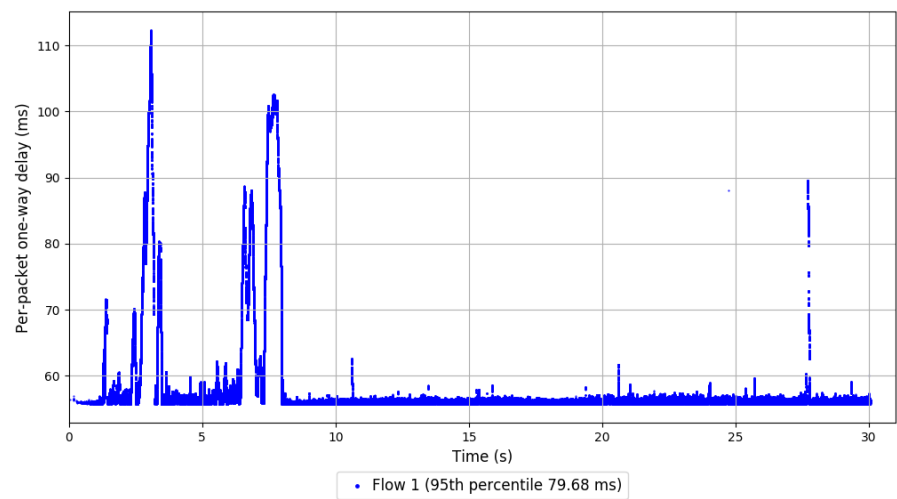
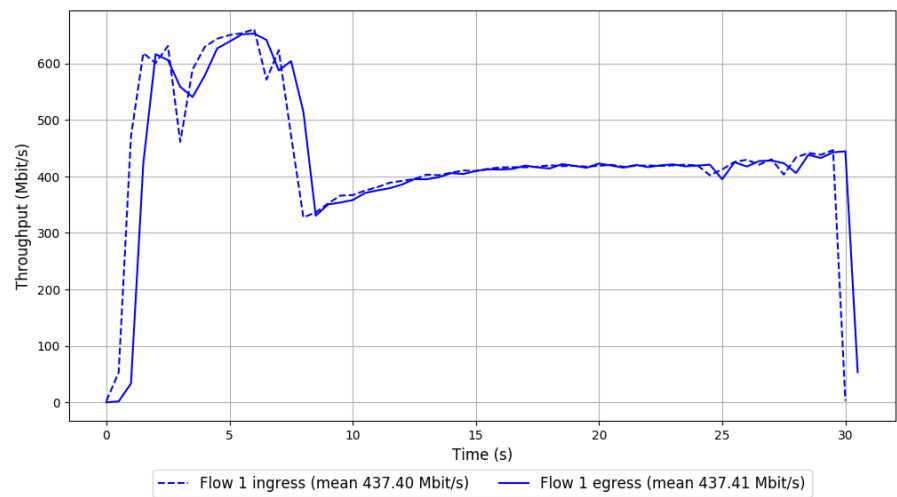


Run 5: Statistics of TCP Cubic

Start at: 2019-02-12 13:49:41
End at: 2019-02-12 13:50:12
Local clock offset: -0.092 ms
Remote clock offset: -1.285 ms

Below is generated by plot.py at 2019-02-12 14:38:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 437.41 Mbit/s
95th percentile per-packet one-way delay: 79.683 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 437.41 Mbit/s
95th percentile per-packet one-way delay: 79.683 ms
Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link

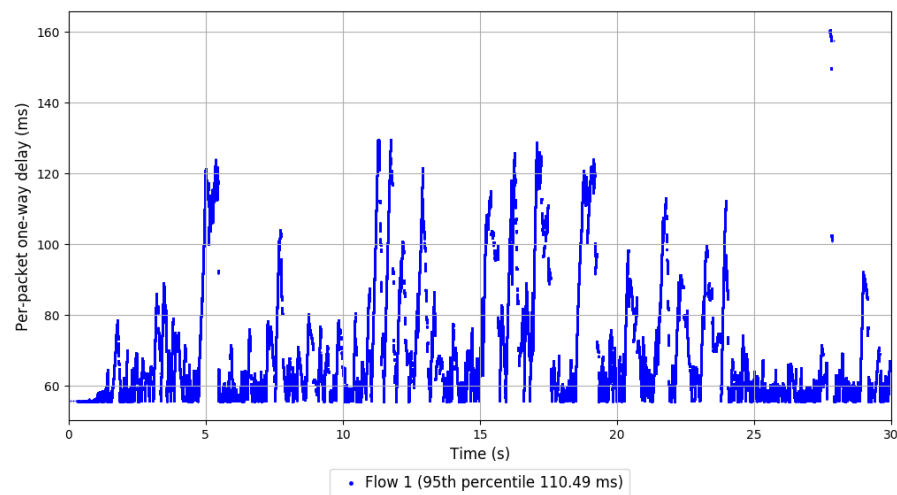
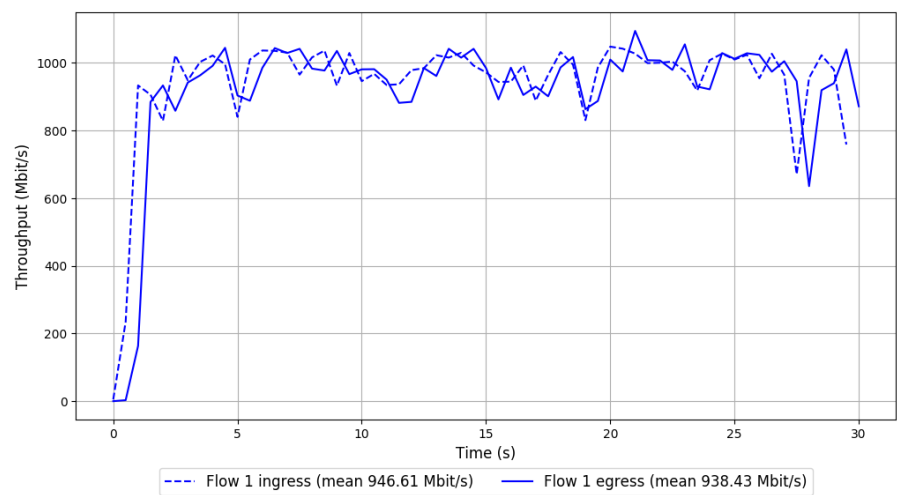


Run 1: Statistics of FillP

Start at: 2019-02-12 11:10:40
End at: 2019-02-12 11:11:10
Local clock offset: -0.123 ms
Remote clock offset: -1.385 ms

Below is generated by plot.py at 2019-02-12 14:52:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 938.43 Mbit/s
95th percentile per-packet one-way delay: 110.494 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 938.43 Mbit/s
95th percentile per-packet one-way delay: 110.494 ms
Loss rate: 0.86%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2019-02-12 11:44:20

End at: 2019-02-12 11:44:50

Local clock offset: -0.593 ms

Remote clock offset: 0.609 ms

Below is generated by plot.py at 2019-02-12 15:03:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 913.73 Mbit/s

95th percentile per-packet one-way delay: 94.429 ms

Loss rate: 0.30%

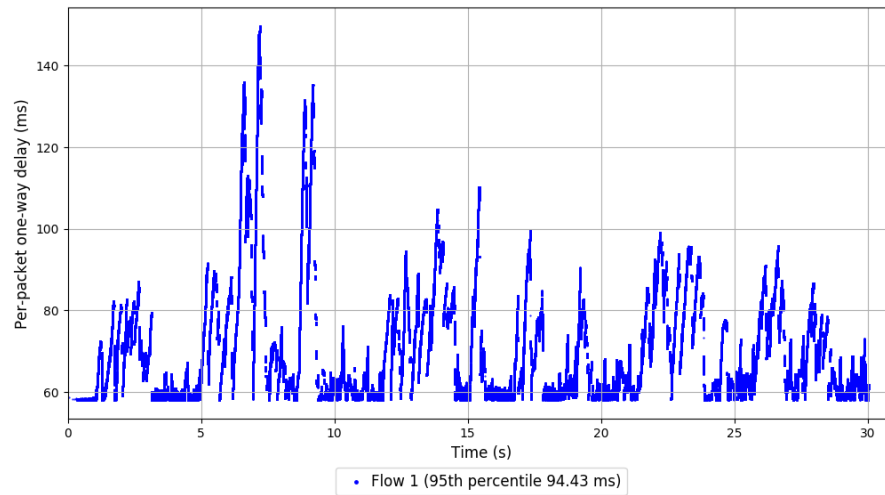
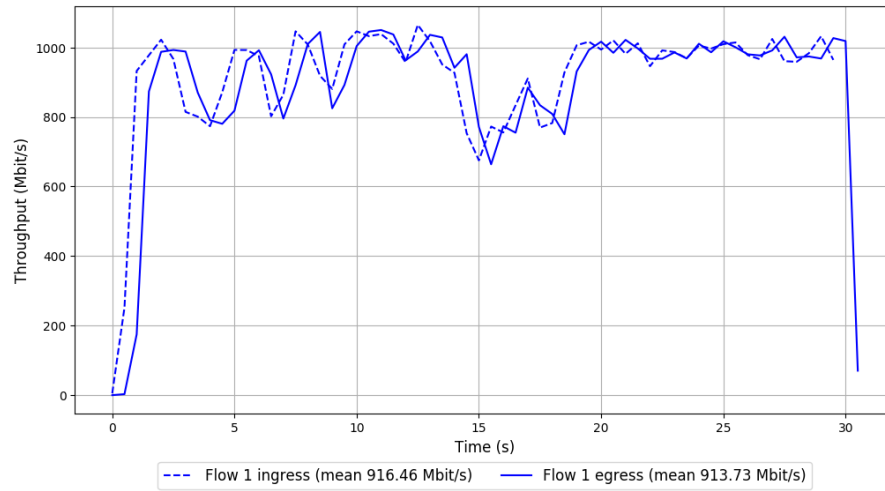
-- Flow 1:

Average throughput: 913.73 Mbit/s

95th percentile per-packet one-way delay: 94.429 ms

Loss rate: 0.30%

Run 2: Report of FillP — Data Link

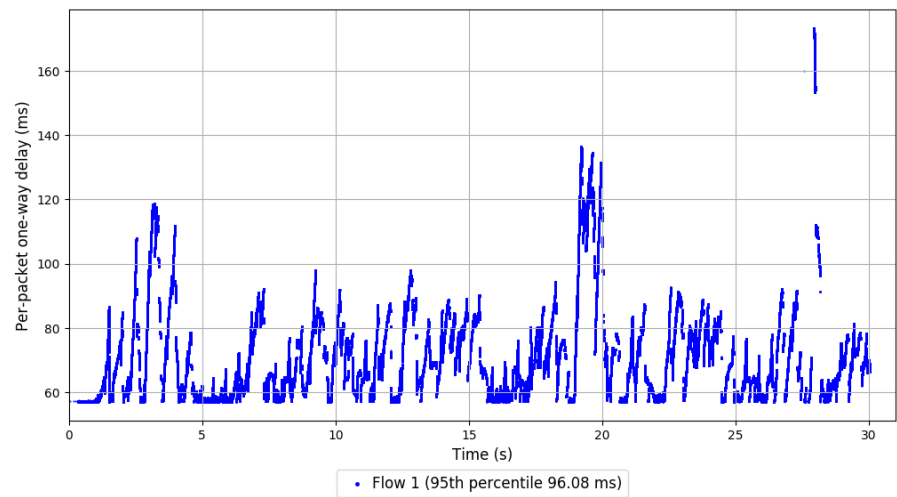
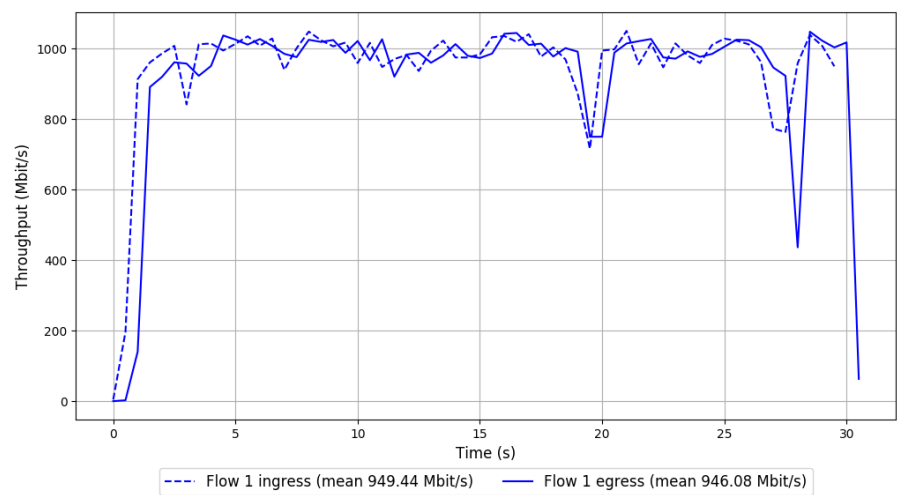


Run 3: Statistics of FillP

Start at: 2019-02-12 12:18:34
End at: 2019-02-12 12:19:04
Local clock offset: -0.398 ms
Remote clock offset: -0.519 ms

Below is generated by plot.py at 2019-02-12 15:05:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 946.08 Mbit/s
95th percentile per-packet one-way delay: 96.076 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 946.08 Mbit/s
95th percentile per-packet one-way delay: 96.076 ms
Loss rate: 0.35%

Run 3: Report of FillP — Data Link

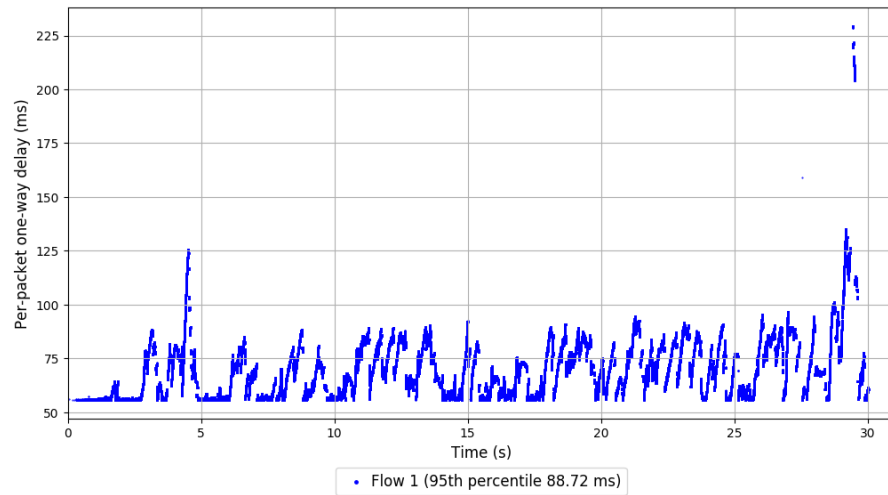
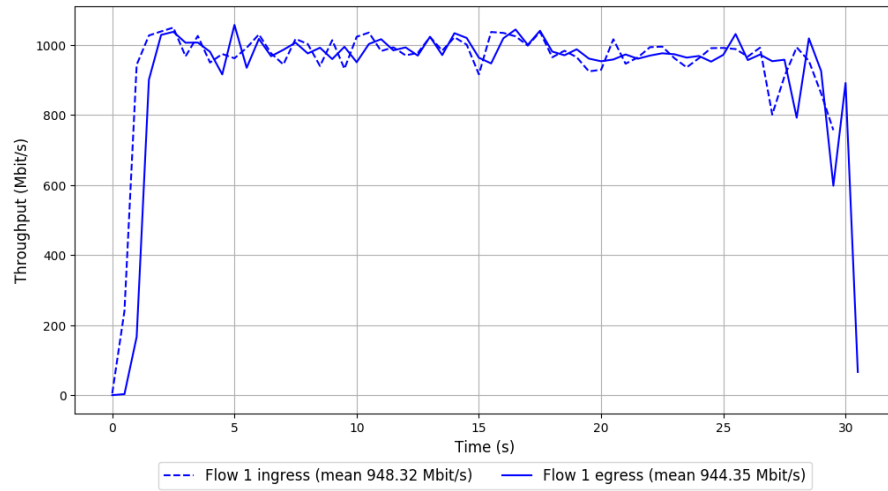


Run 4: Statistics of FillP

Start at: 2019-02-12 12:53:35
End at: 2019-02-12 12:54:05
Local clock offset: 0.022 ms
Remote clock offset: -1.171 ms

Below is generated by plot.py at 2019-02-12 15:05:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 944.35 Mbit/s
95th percentile per-packet one-way delay: 88.721 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 944.35 Mbit/s
95th percentile per-packet one-way delay: 88.721 ms
Loss rate: 0.41%

Run 4: Report of FillP — Data Link

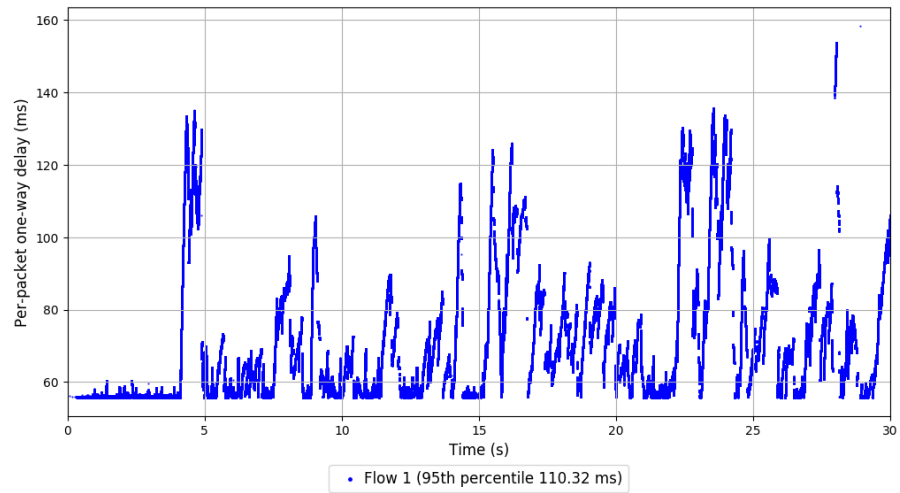
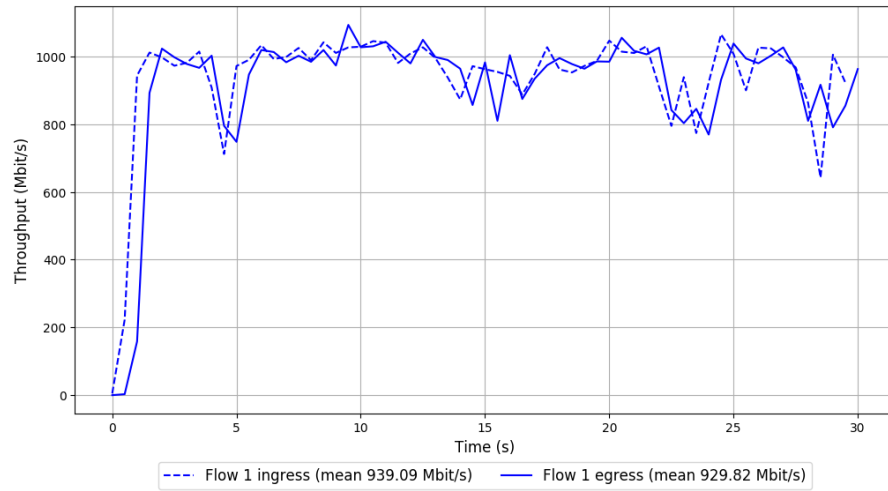


Run 5: Statistics of FillP

Start at: 2019-02-12 13:26:56
End at: 2019-02-12 13:27:26
Local clock offset: -0.183 ms
Remote clock offset: -1.349 ms

Below is generated by plot.py at 2019-02-12 15:05:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 929.82 Mbit/s
95th percentile per-packet one-way delay: 110.317 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 929.82 Mbit/s
95th percentile per-packet one-way delay: 110.317 ms
Loss rate: 0.99%

Run 5: Report of FillP — Data Link

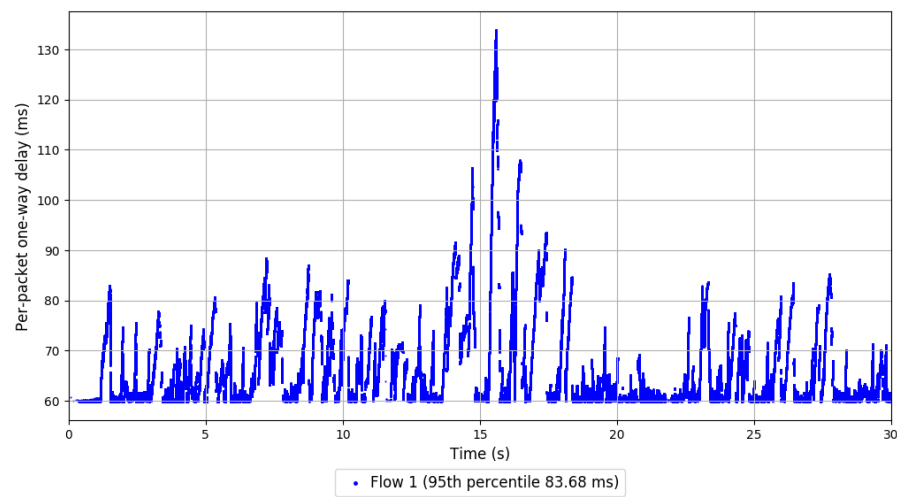
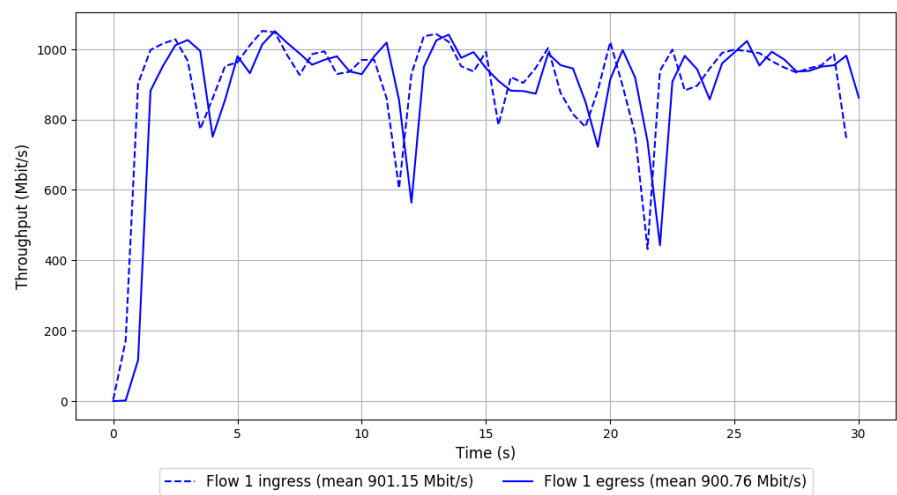


Run 1: Statistics of FillP-Sheep

Start at: 2019-02-12 11:40:29
End at: 2019-02-12 11:40:59
Local clock offset: -0.366 ms
Remote clock offset: -0.847 ms

Below is generated by plot.py at 2019-02-12 15:05:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 900.76 Mbit/s
95th percentile per-packet one-way delay: 83.681 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 900.76 Mbit/s
95th percentile per-packet one-way delay: 83.681 ms
Loss rate: 0.06%

Run 1: Report of FillP-Sheep — Data Link

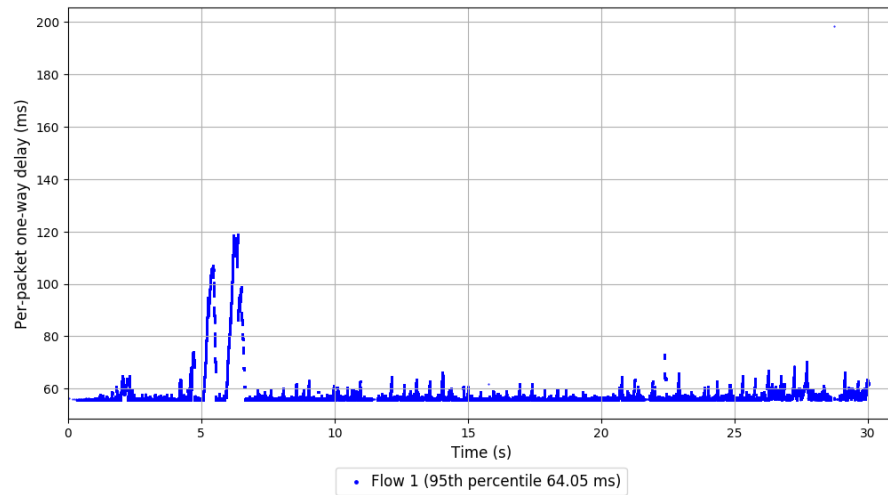
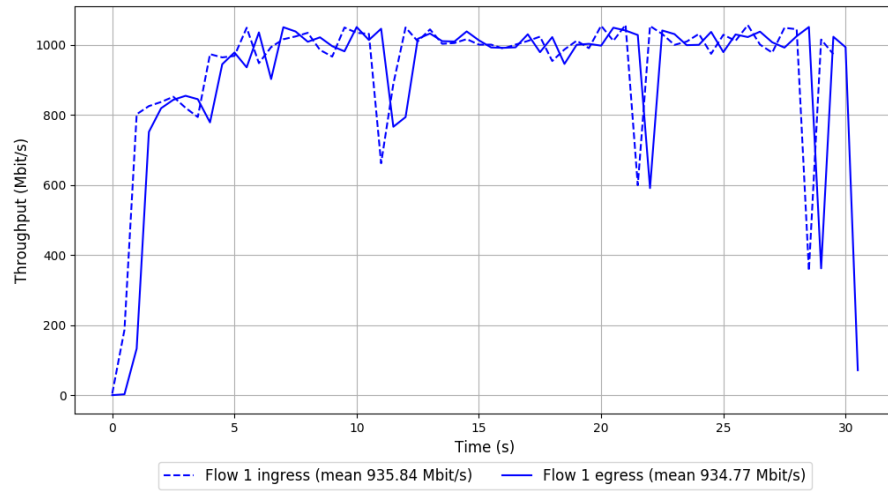


Run 2: Statistics of FillP-Sheep

Start at: 2019-02-12 12:14:43
End at: 2019-02-12 12:15:13
Local clock offset: 0.039 ms
Remote clock offset: -1.545 ms

Below is generated by plot.py at 2019-02-12 15:06:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 934.77 Mbit/s
95th percentile per-packet one-way delay: 64.050 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 934.77 Mbit/s
95th percentile per-packet one-way delay: 64.050 ms
Loss rate: 0.11%

Run 2: Report of FillP-Sheep — Data Link

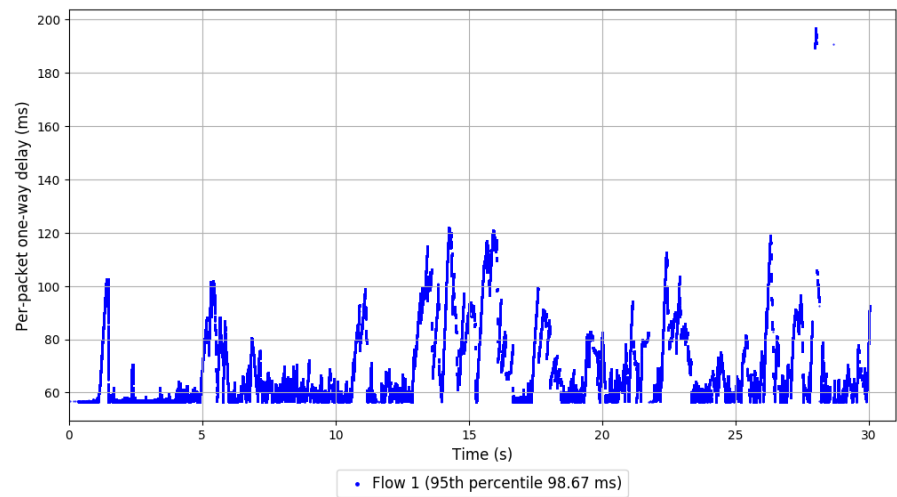
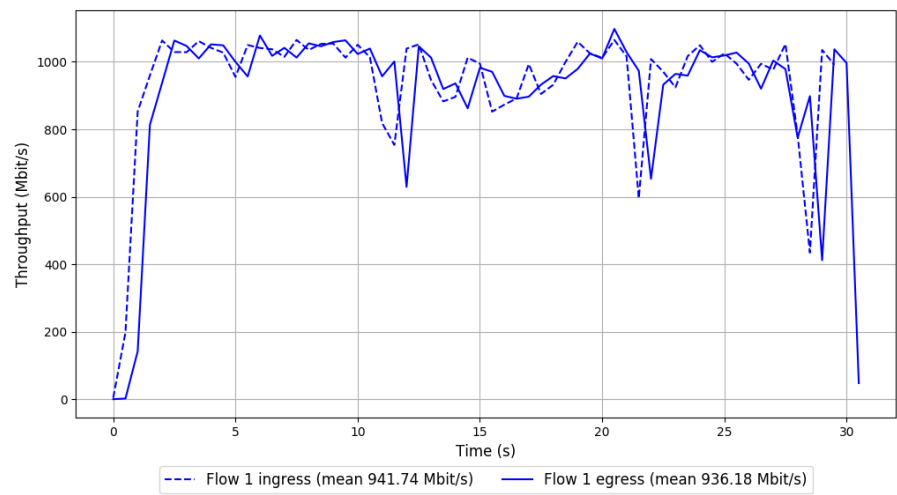


Run 3: Statistics of FillP-Sheep

Start at: 2019-02-12 12:49:39
End at: 2019-02-12 12:50:10
Local clock offset: -0.402 ms
Remote clock offset: -0.731 ms

Below is generated by plot.py at 2019-02-12 15:06:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 936.18 Mbit/s
95th percentile per-packet one-way delay: 98.673 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 936.18 Mbit/s
95th percentile per-packet one-way delay: 98.673 ms
Loss rate: 0.59%

Run 3: Report of FillP-Sheep — Data Link

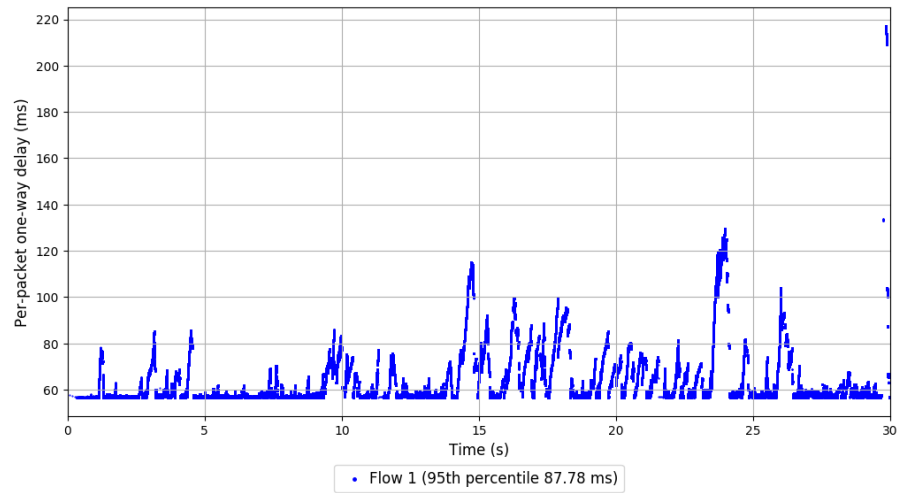
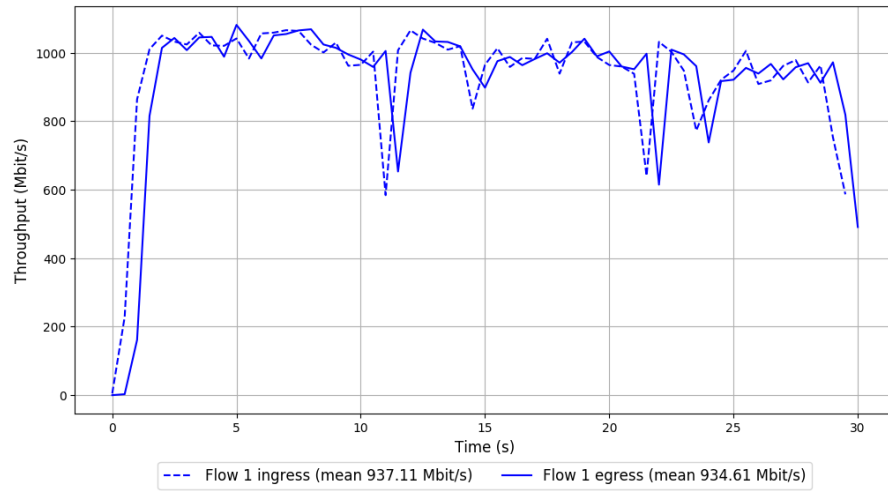


Run 4: Statistics of FillP-Sheep

Start at: 2019-02-12 13:22:58
End at: 2019-02-12 13:23:28
Local clock offset: -0.38 ms
Remote clock offset: -0.651 ms

Below is generated by plot.py at 2019-02-12 15:23:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 934.61 Mbit/s
95th percentile per-packet one-way delay: 87.781 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 934.61 Mbit/s
95th percentile per-packet one-way delay: 87.781 ms
Loss rate: 0.27%

Run 4: Report of FillP-Sheep — Data Link

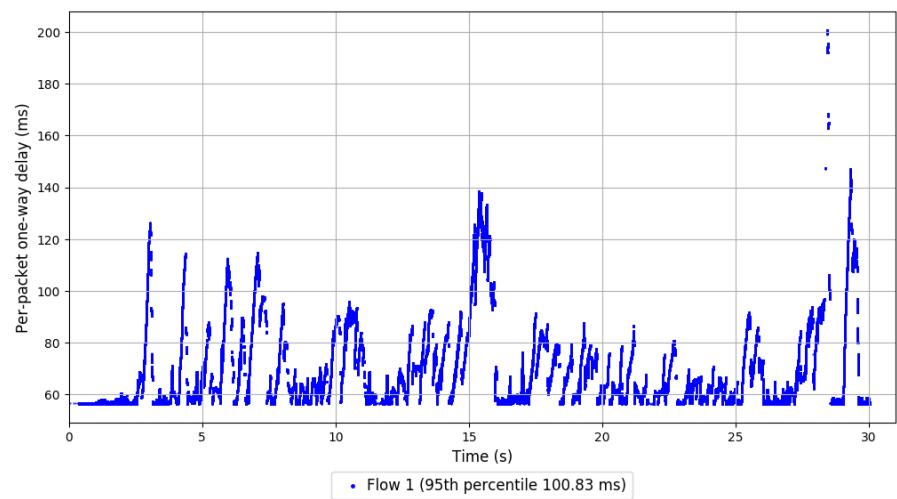
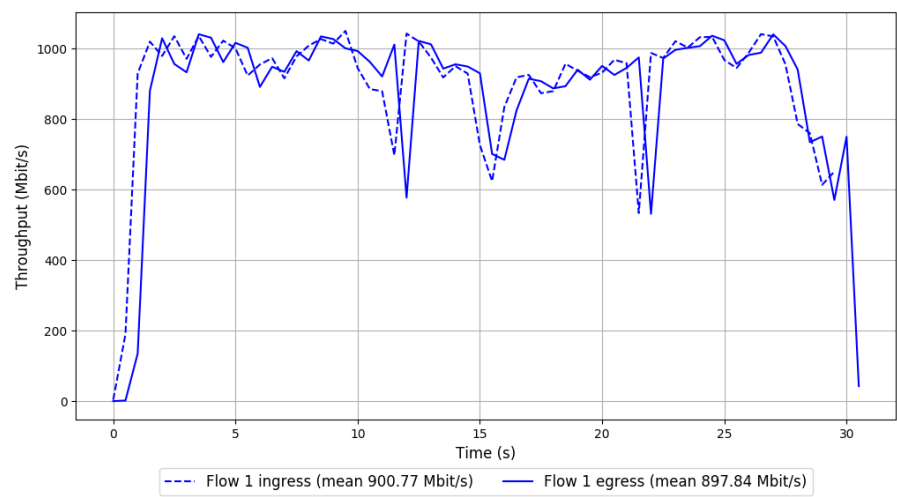


Run 5: Statistics of FillP-Sheep

Start at: 2019-02-12 13:57:00
End at: 2019-02-12 13:57:30
Local clock offset: -0.184 ms
Remote clock offset: -0.633 ms

Below is generated by plot.py at 2019-02-12 15:30:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 897.84 Mbit/s
95th percentile per-packet one-way delay: 100.831 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 897.84 Mbit/s
95th percentile per-packet one-way delay: 100.831 ms
Loss rate: 0.32%

Run 5: Report of FillP-Sheep — Data Link

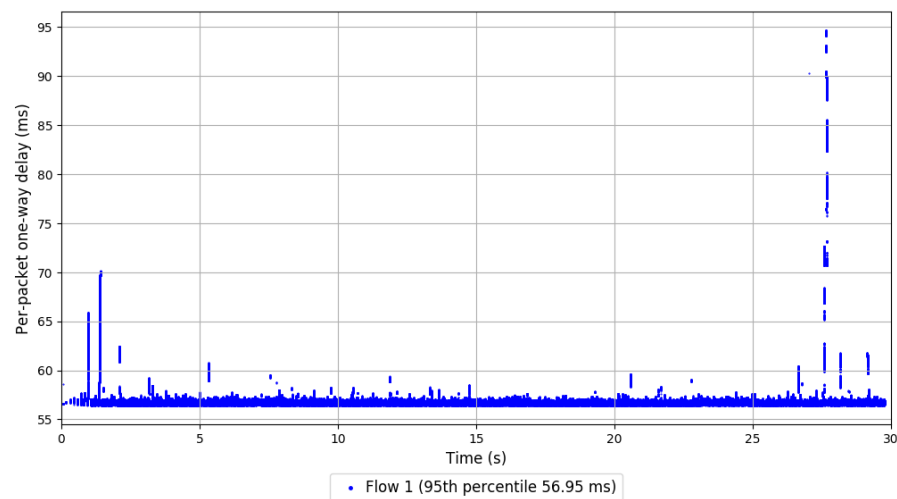
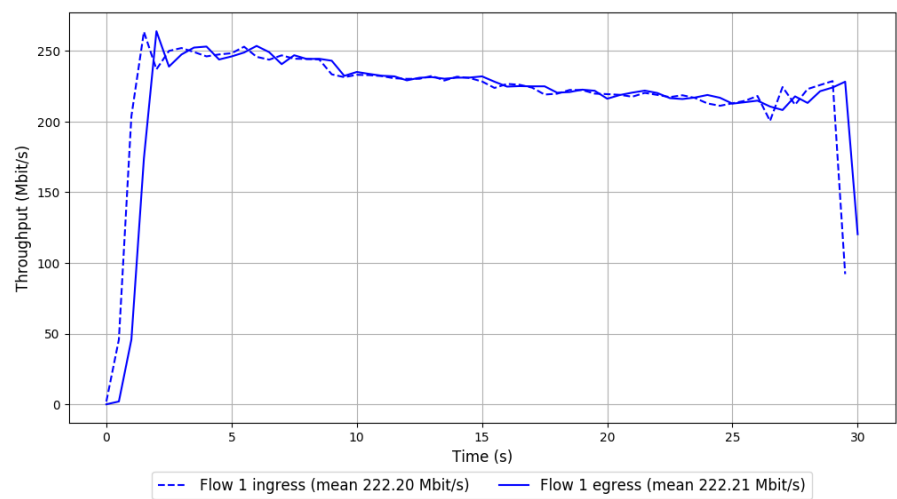


Run 1: Statistics of Indigo

Start at: 2019-02-12 11:28:07
End at: 2019-02-12 11:28:37
Local clock offset: -0.185 ms
Remote clock offset: -0.768 ms

Below is generated by plot.py at 2019-02-12 15:30:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 222.21 Mbit/s
95th percentile per-packet one-way delay: 56.946 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 222.21 Mbit/s
95th percentile per-packet one-way delay: 56.946 ms
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

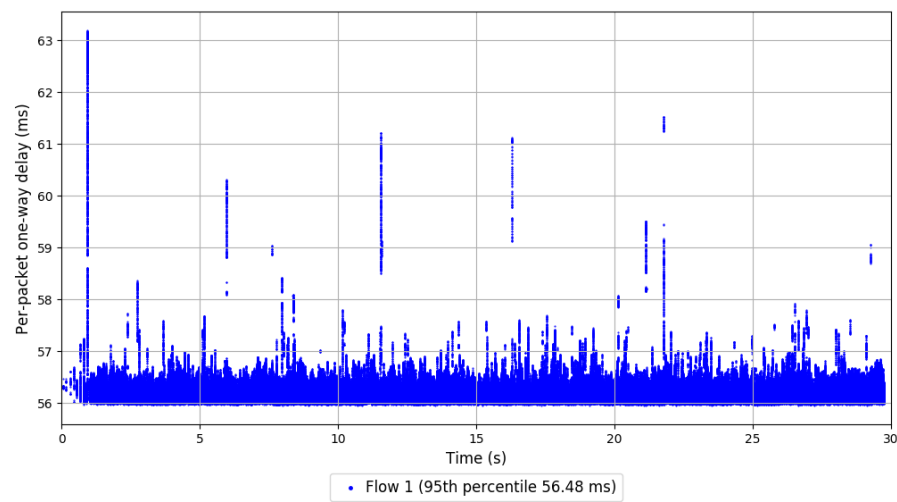
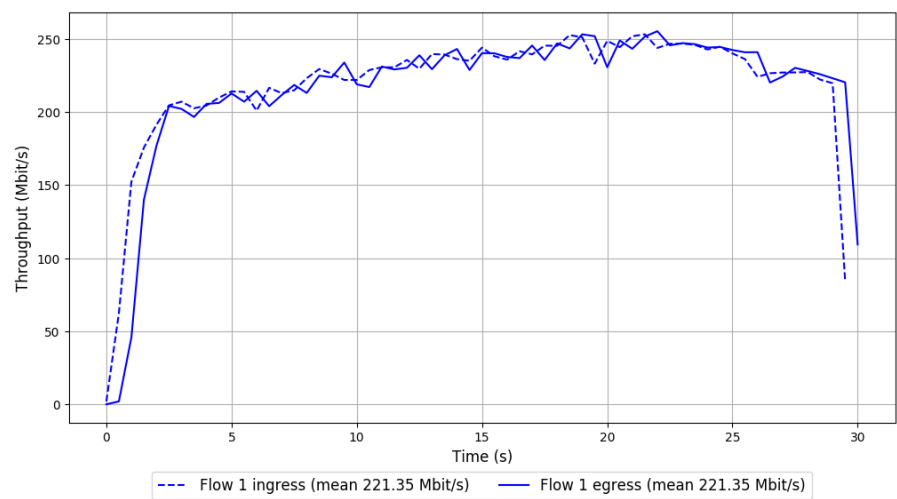


Run 2: Statistics of Indigo

Start at: 2019-02-12 12:02:24
End at: 2019-02-12 12:02:54
Local clock offset: 0.108 ms
Remote clock offset: -0.694 ms

Below is generated by plot.py at 2019-02-12 15:30:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.35 Mbit/s
95th percentile per-packet one-way delay: 56.479 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 221.35 Mbit/s
95th percentile per-packet one-way delay: 56.479 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

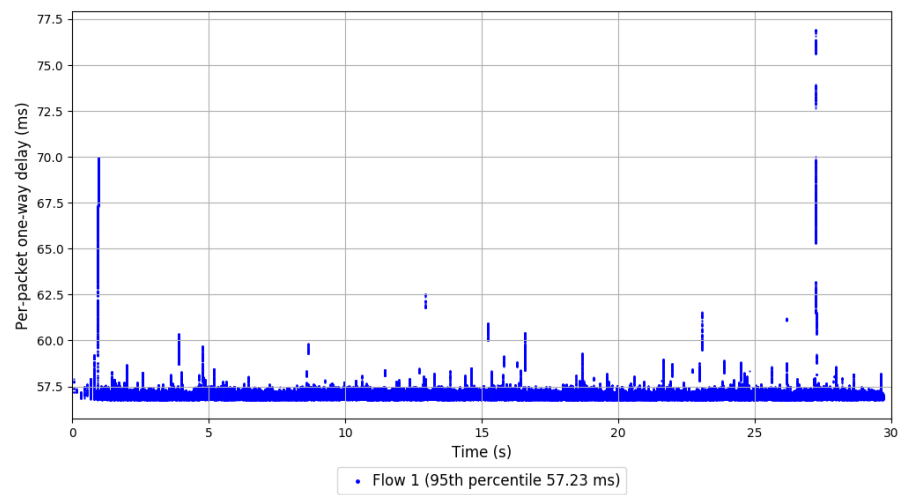
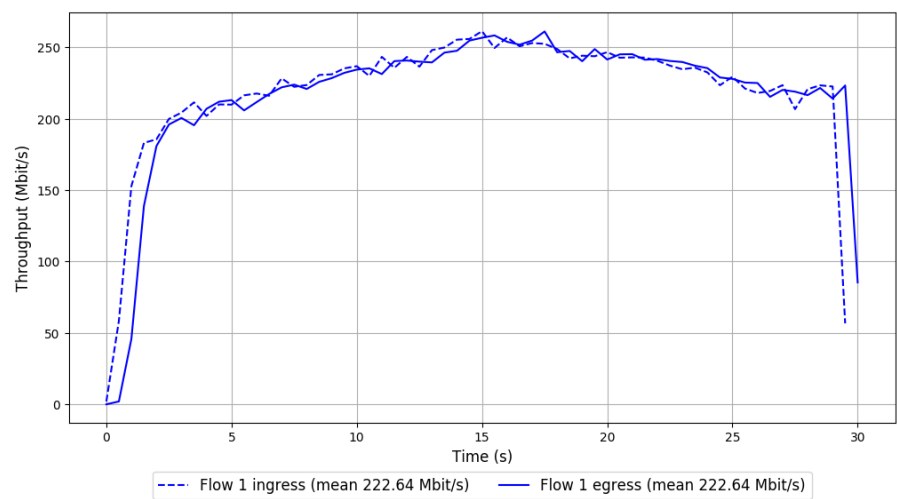


Run 3: Statistics of Indigo

Start at: 2019-02-12 12:37:14
End at: 2019-02-12 12:37:44
Local clock offset: 0.021 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2019-02-12 15:30:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 222.64 Mbit/s
95th percentile per-packet one-way delay: 57.235 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 222.64 Mbit/s
95th percentile per-packet one-way delay: 57.235 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-02-12 13:10:47

End at: 2019-02-12 13:11:17

Local clock offset: -0.514 ms

Remote clock offset: 0.832 ms

Below is generated by plot.py at 2019-02-12 15:30:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.61 Mbit/s

95th percentile per-packet one-way delay: 58.978 ms

Loss rate: 0.00%

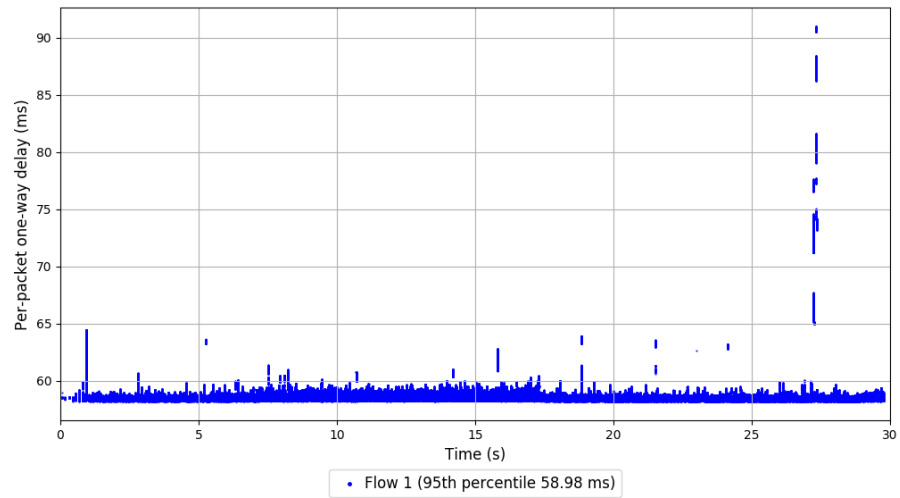
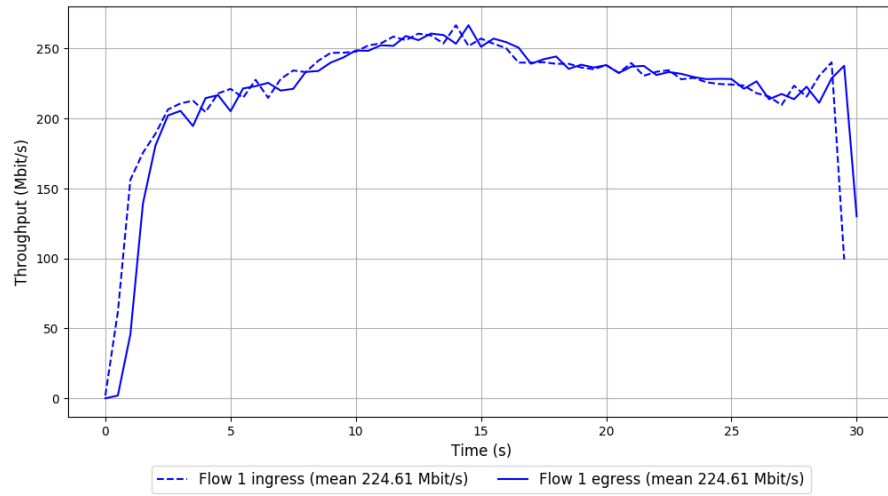
-- Flow 1:

Average throughput: 224.61 Mbit/s

95th percentile per-packet one-way delay: 58.978 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-02-12 13:45:06

End at: 2019-02-12 13:45:36

Local clock offset: -0.552 ms

Remote clock offset: -1.28 ms

Below is generated by plot.py at 2019-02-12 15:30:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 226.34 Mbit/s

95th percentile per-packet one-way delay: 56.633 ms

Loss rate: 0.00%

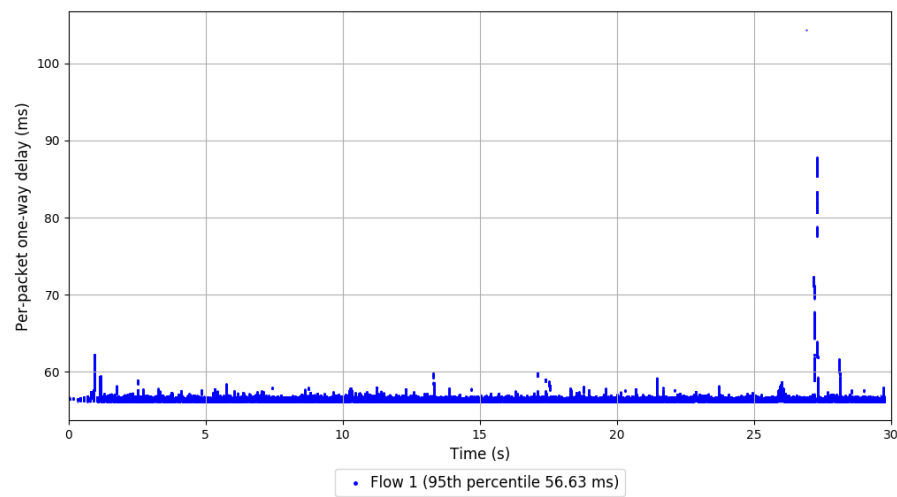
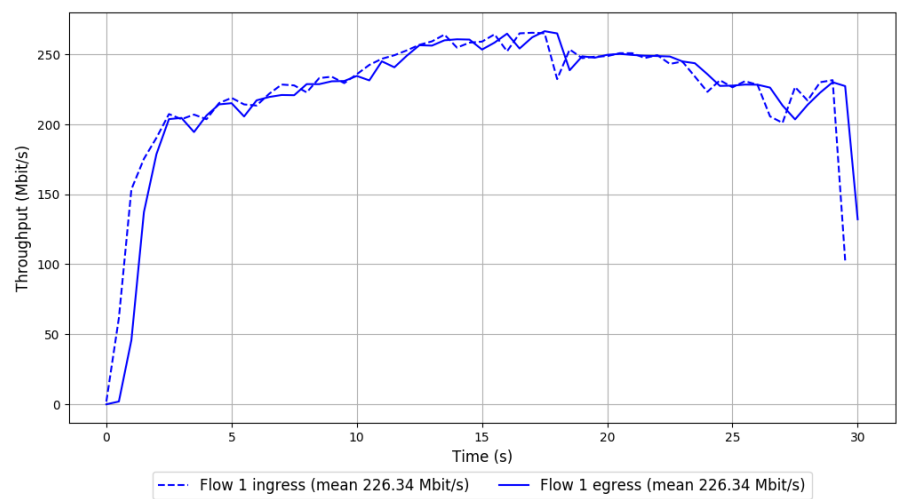
-- Flow 1:

Average throughput: 226.34 Mbit/s

95th percentile per-packet one-way delay: 56.633 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

Start at: 2019-02-12 11:30:49

End at: 2019-02-12 11:31:19

Local clock offset: -0.404 ms

Remote clock offset: -0.71 ms

Below is generated by plot.py at 2019-02-12 15:30:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 578.86 Mbit/s

95th percentile per-packet one-way delay: 60.410 ms

Loss rate: 0.00%

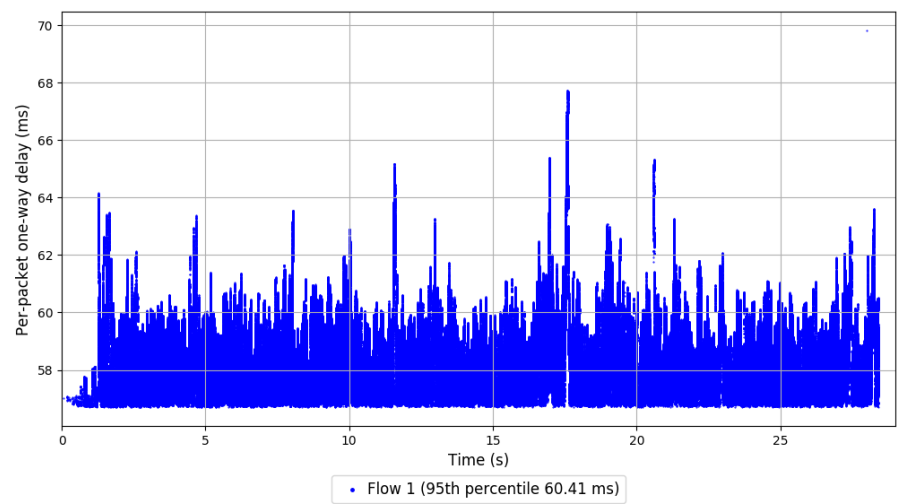
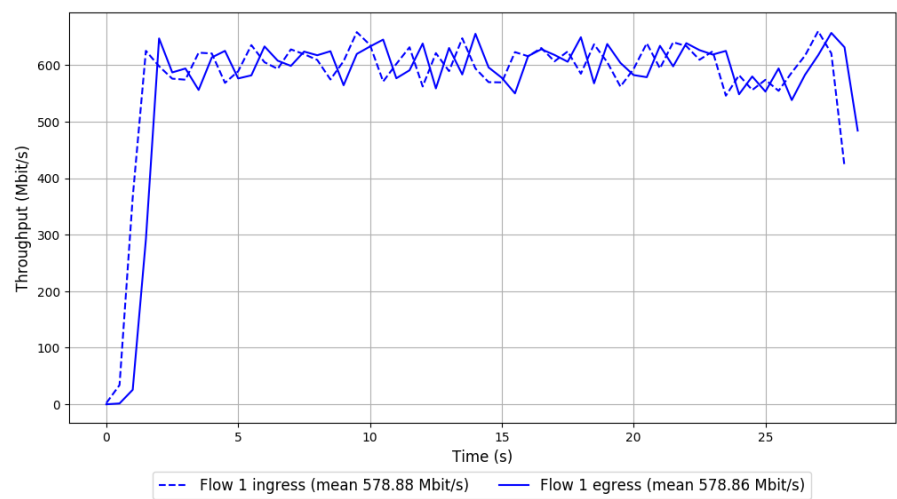
-- Flow 1:

Average throughput: 578.86 Mbit/s

95th percentile per-packet one-way delay: 60.410 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2019-02-12 12:05:07

End at: 2019-02-12 12:05:37

Local clock offset: 0.225 ms

Remote clock offset: -1.443 ms

Below is generated by plot.py at 2019-02-12 15:30:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 537.65 Mbit/s

95th percentile per-packet one-way delay: 60.224 ms

Loss rate: 0.00%

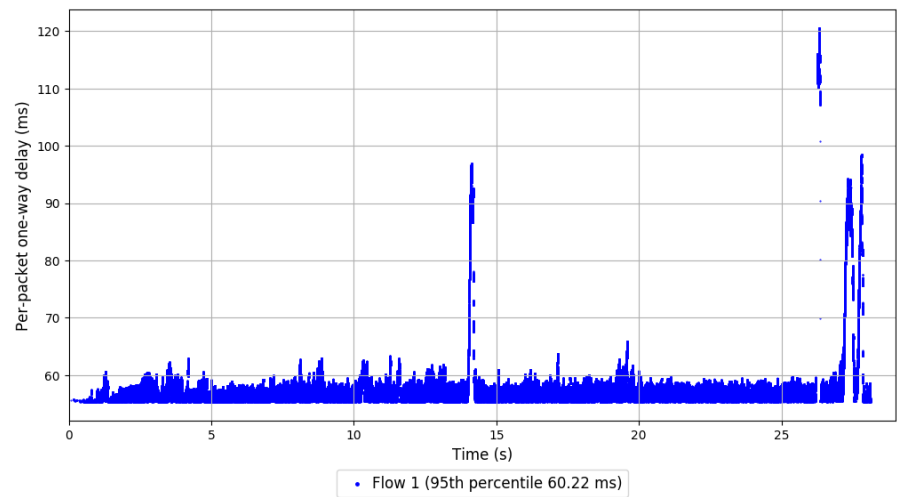
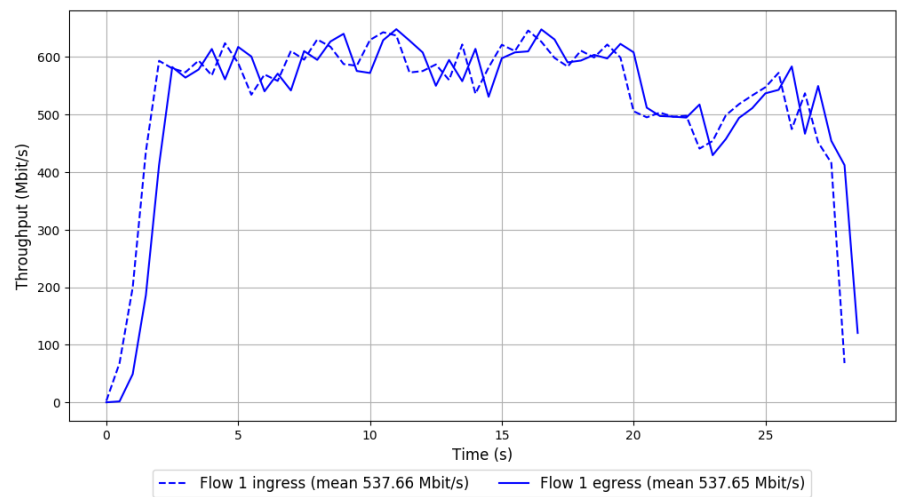
-- Flow 1:

Average throughput: 537.65 Mbit/s

95th percentile per-packet one-way delay: 60.224 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesC3 — Data Link

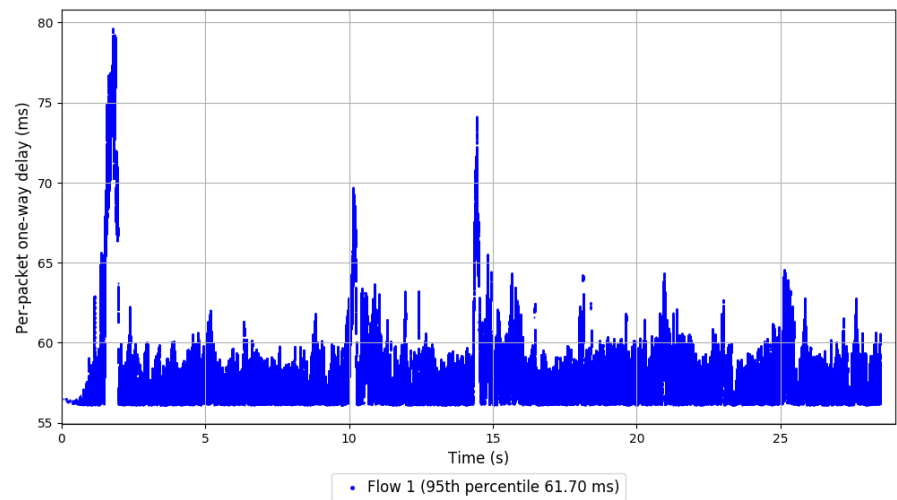
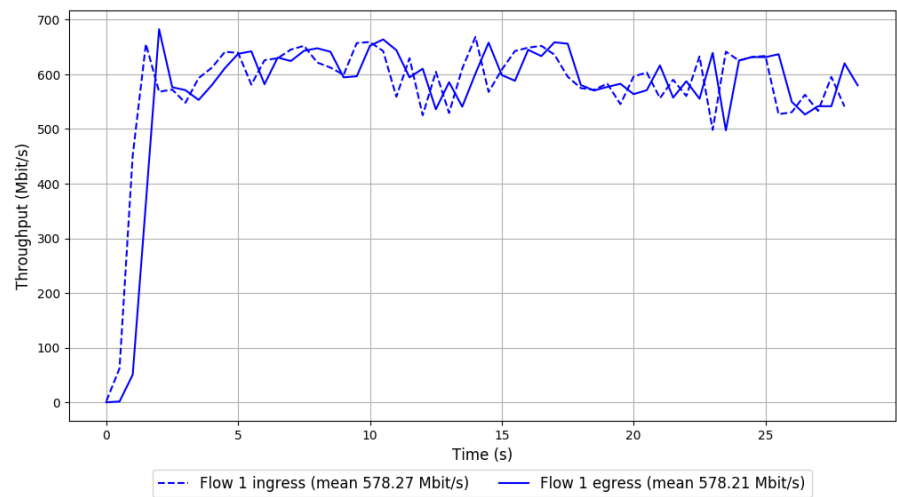


Run 3: Statistics of Indigo-MusesC3

Start at: 2019-02-12 12:40:07
End at: 2019-02-12 12:40:37
Local clock offset: 0.279 ms
Remote clock offset: -0.384 ms

Below is generated by plot.py at 2019-02-12 15:30:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 578.21 Mbit/s
95th percentile per-packet one-way delay: 61.699 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 578.21 Mbit/s
95th percentile per-packet one-way delay: 61.699 ms
Loss rate: 0.01%

Run 3: Report of Indigo-MusesC3 — Data Link

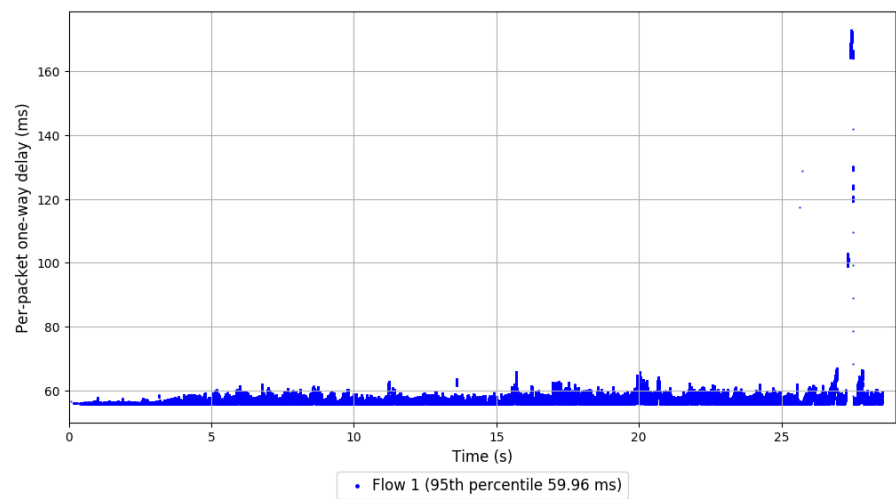
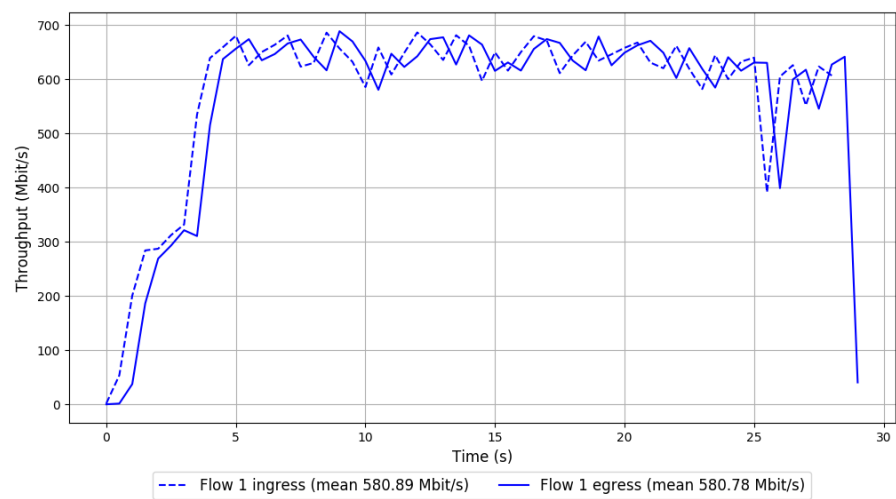


Run 4: Statistics of Indigo-MusesC3

Start at: 2019-02-12 13:13:29
End at: 2019-02-12 13:14:00
Local clock offset: 0.277 ms
Remote clock offset: -0.729 ms

Below is generated by plot.py at 2019-02-12 15:30:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 580.78 Mbit/s
95th percentile per-packet one-way delay: 59.961 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 580.78 Mbit/s
95th percentile per-packet one-way delay: 59.961 ms
Loss rate: 0.02%

Run 4: Report of Indigo-MusesC3 — Data Link

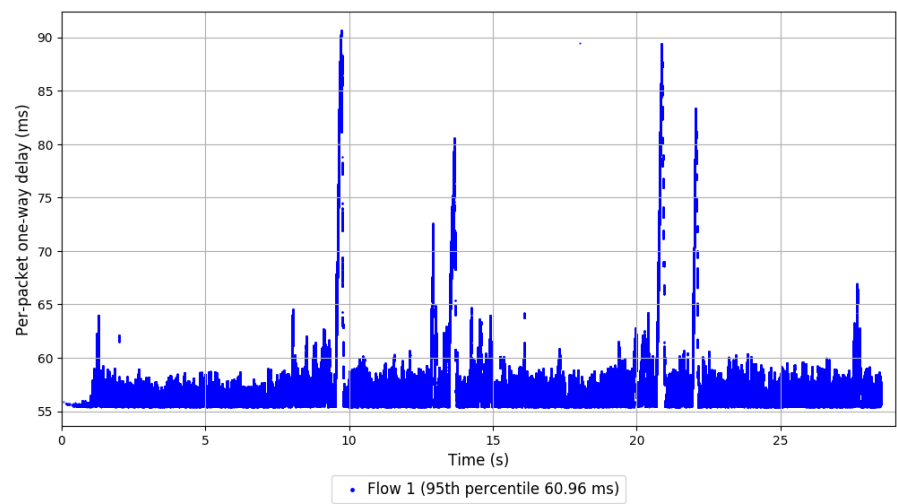
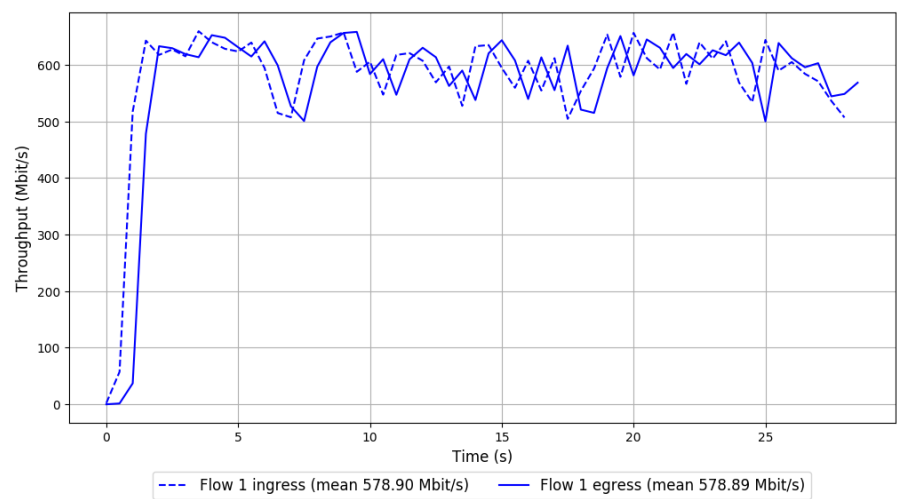


Run 5: Statistics of Indigo-MusesC3

Start at: 2019-02-12 13:47:53
End at: 2019-02-12 13:48:23
Local clock offset: -0.027 ms
Remote clock offset: -1.324 ms

Below is generated by plot.py at 2019-02-12 15:30:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 578.89 Mbit/s
95th percentile per-packet one-way delay: 60.962 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 578.89 Mbit/s
95th percentile per-packet one-way delay: 60.962 ms
Loss rate: 0.00%

Run 5: Report of Indigo-MusesC3 — Data Link

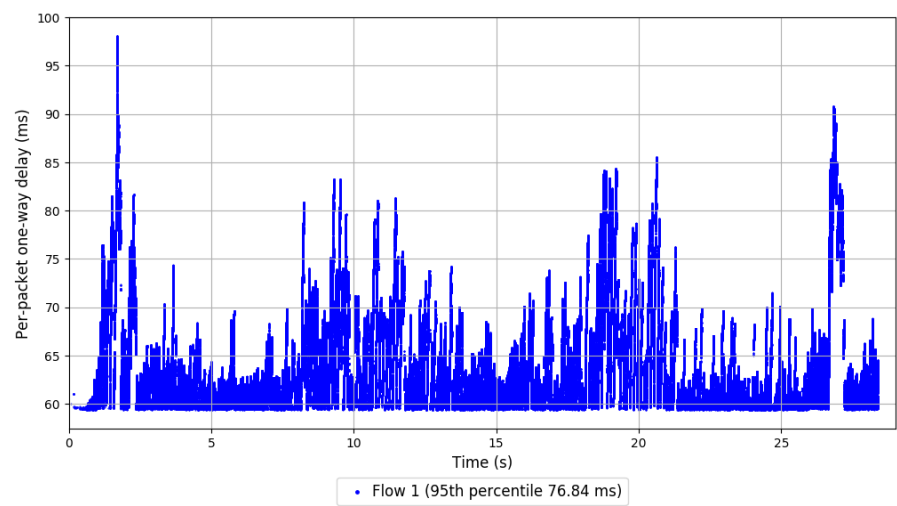
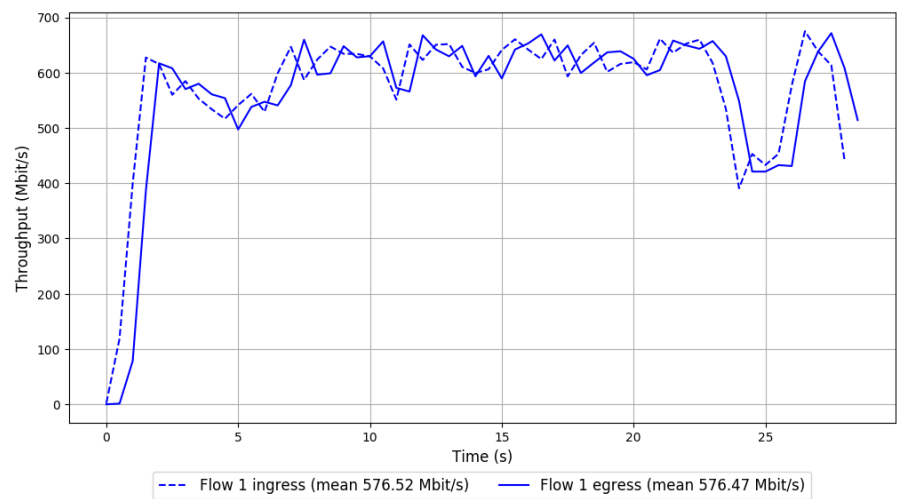


Run 1: Statistics of Indigo-MusesC5

Start at: 2019-02-12 11:24:35
End at: 2019-02-12 11:25:05
Local clock offset: -0.171 ms
Remote clock offset: -0.764 ms

Below is generated by plot.py at 2019-02-12 15:32:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 576.47 Mbit/s
95th percentile per-packet one-way delay: 76.841 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 576.47 Mbit/s
95th percentile per-packet one-way delay: 76.841 ms
Loss rate: 0.02%

Run 1: Report of Indigo-MusesC5 — Data Link

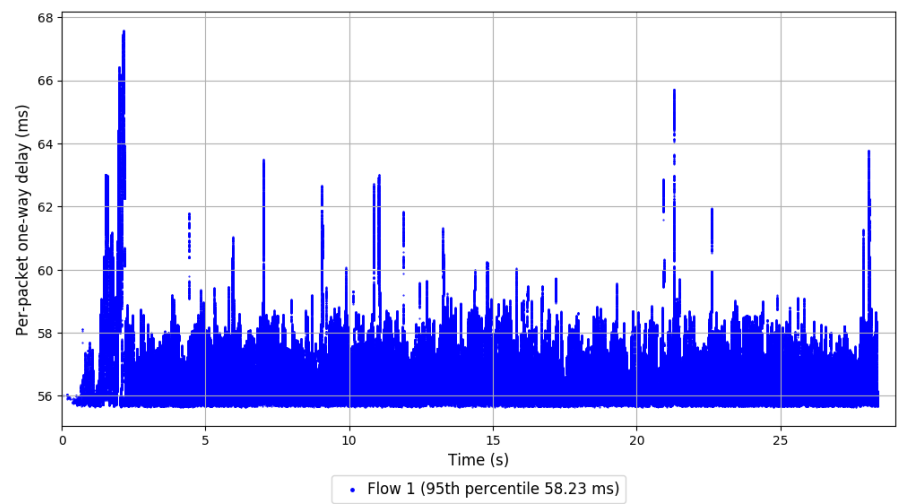
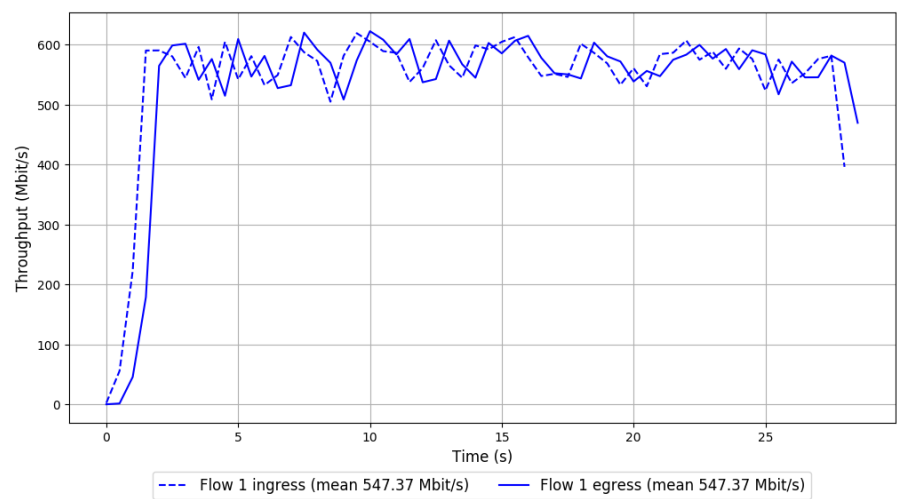


Run 2: Statistics of Indigo-MusesC5

Start at: 2019-02-12 11:58:46
End at: 2019-02-12 11:59:17
Local clock offset: -0.161 ms
Remote clock offset: -1.323 ms

Below is generated by plot.py at 2019-02-12 15:34:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 547.37 Mbit/s
95th percentile per-packet one-way delay: 58.233 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 547.37 Mbit/s
95th percentile per-packet one-way delay: 58.233 ms
Loss rate: 0.00%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-02-12 12:33:33

End at: 2019-02-12 12:34:03

Local clock offset: -0.383 ms

Remote clock offset: 1.337 ms

Below is generated by plot.py at 2019-02-12 15:39:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 618.88 Mbit/s

95th percentile per-packet one-way delay: 75.509 ms

Loss rate: 0.00%

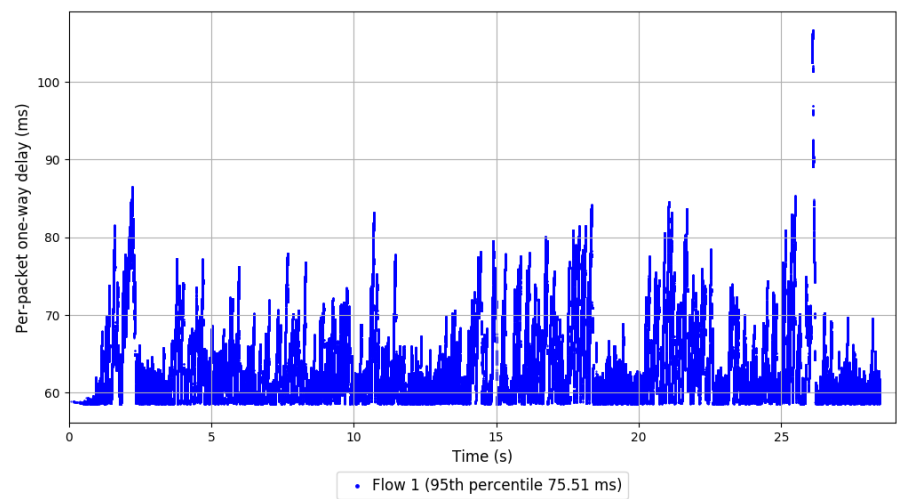
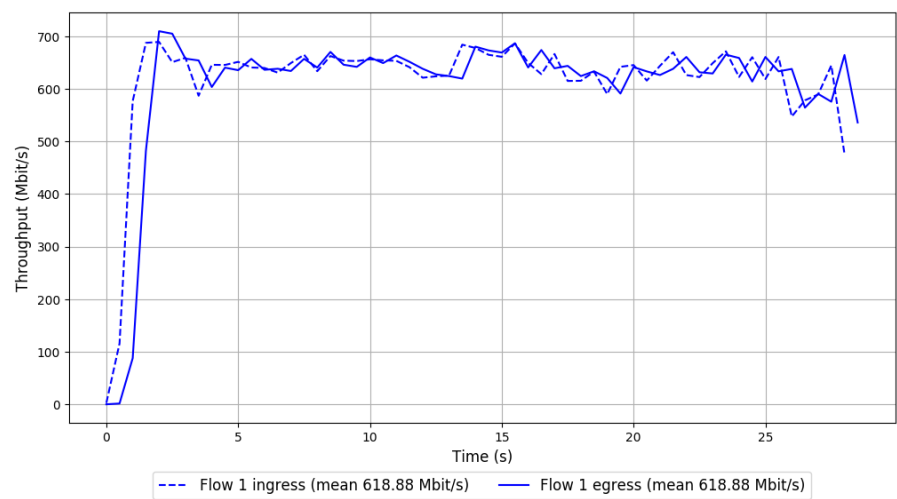
-- Flow 1:

Average throughput: 618.88 Mbit/s

95th percentile per-packet one-way delay: 75.509 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesC5 — Data Link

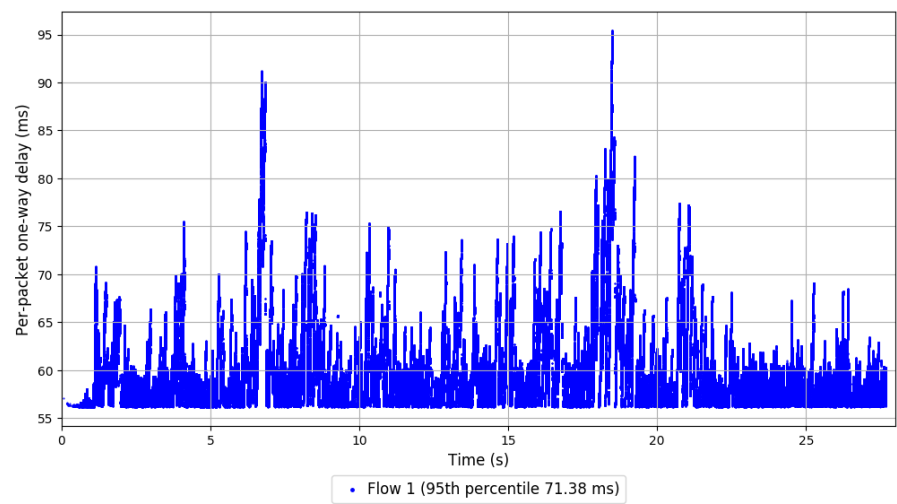
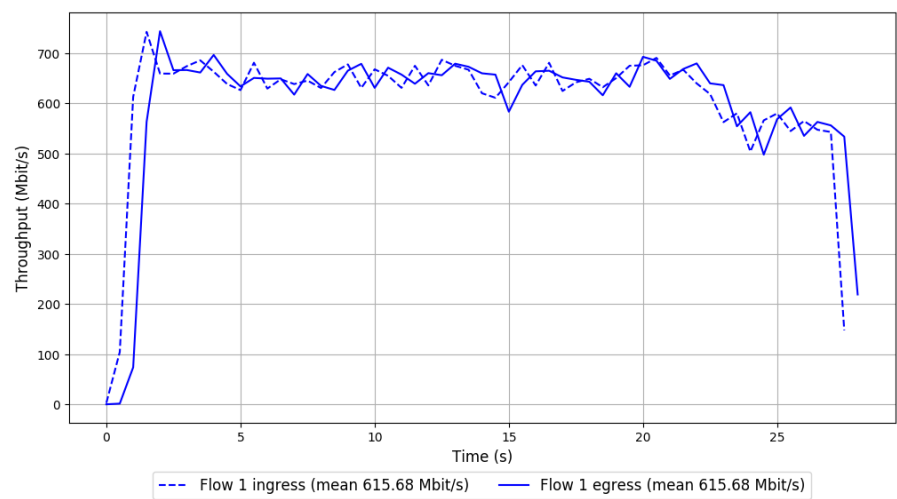


Run 4: Statistics of Indigo-MusesC5

Start at: 2019-02-12 13:07:21
End at: 2019-02-12 13:07:51
Local clock offset: 0.148 ms
Remote clock offset: -0.632 ms

Below is generated by plot.py at 2019-02-12 15:44:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 615.68 Mbit/s
95th percentile per-packet one-way delay: 71.376 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 615.68 Mbit/s
95th percentile per-packet one-way delay: 71.376 ms
Loss rate: 0.00%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-02-12 13:41:29

End at: 2019-02-12 13:41:59

Local clock offset: -0.214 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at 2019-02-12 15:45:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 605.66 Mbit/s

95th percentile per-packet one-way delay: 65.566 ms

Loss rate: 0.01%

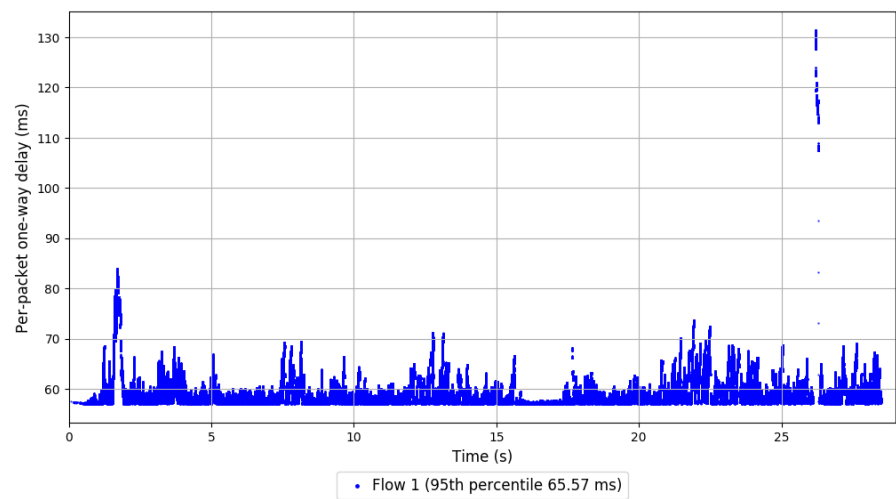
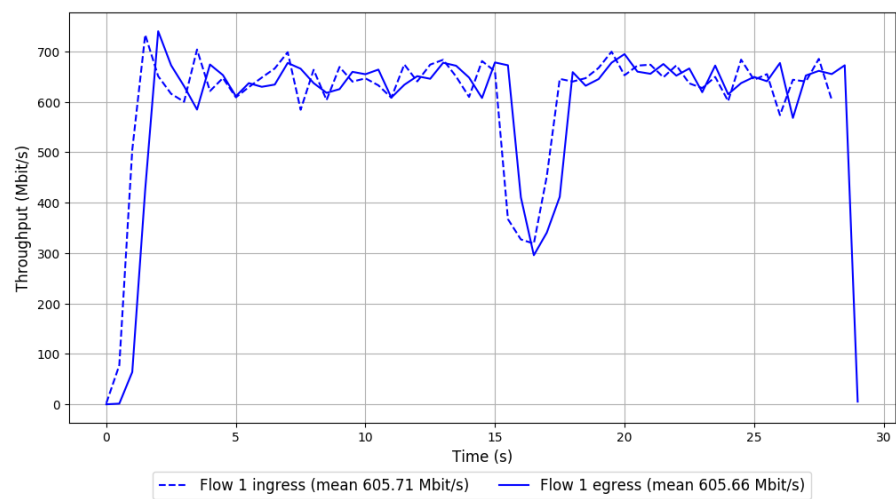
-- Flow 1:

Average throughput: 605.66 Mbit/s

95th percentile per-packet one-way delay: 65.566 ms

Loss rate: 0.01%

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

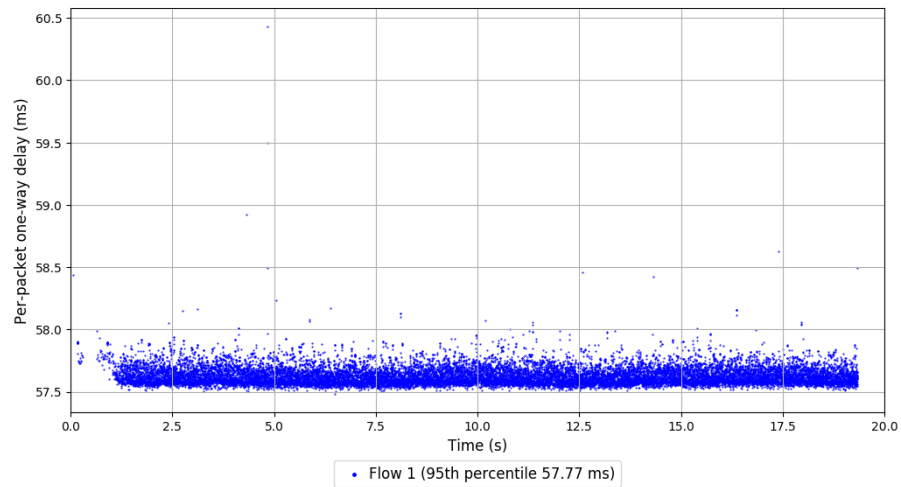
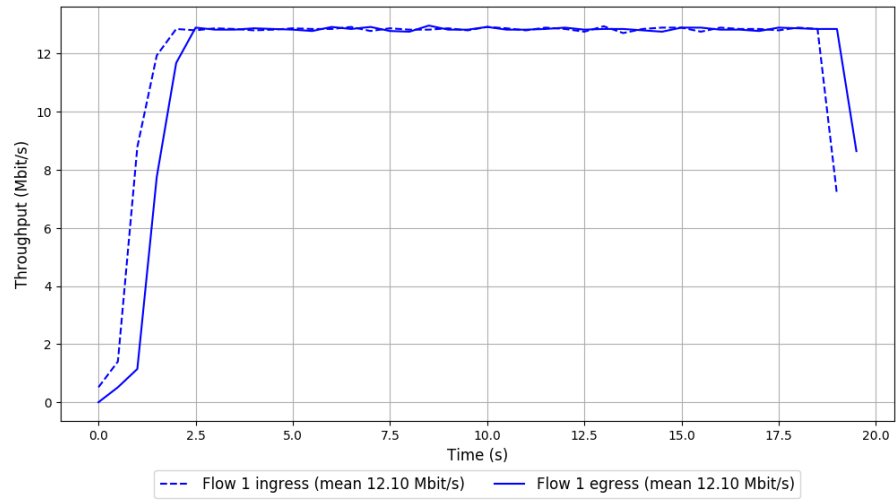
Start at: 2019-02-12 11:14:22

End at: 2019-02-12 11:14:52

Local clock offset: 0.06 ms

Remote clock offset: 0.685 ms

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-02-12 11:48:04

End at: 2019-02-12 11:48:34

Local clock offset: -0.153 ms

Remote clock offset: -0.667 ms

Below is generated by plot.py at 2019-02-12 15:45:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 563.55 Mbit/s

95th percentile per-packet one-way delay: 62.808 ms

Loss rate: 0.00%

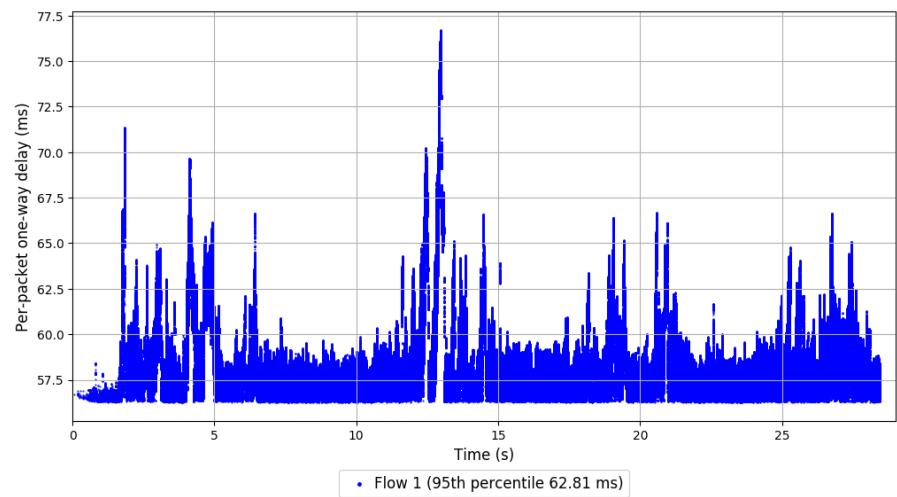
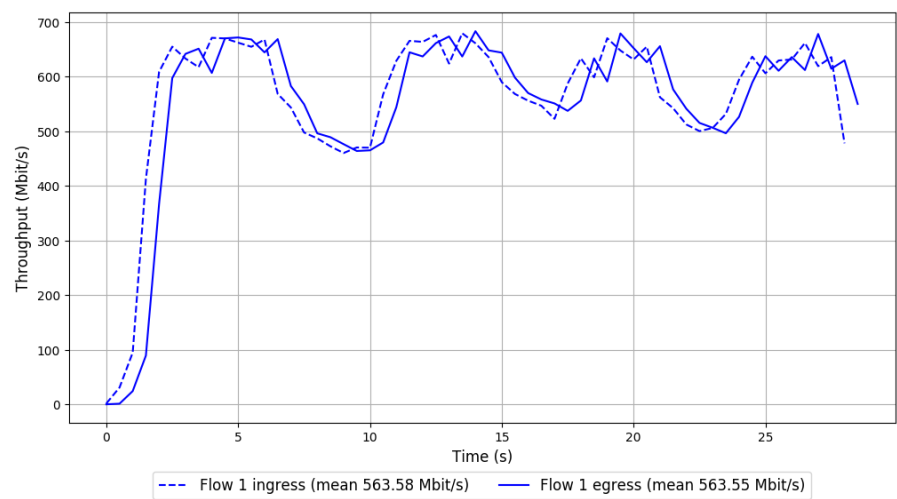
-- Flow 1:

Average throughput: 563.55 Mbit/s

95th percentile per-packet one-way delay: 62.808 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-02-12 12:22:34

End at: 2019-02-12 12:23:04

Local clock offset: -0.669 ms

Remote clock offset: -0.69 ms

Below is generated by plot.py at 2019-02-12 15:45:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 519.67 Mbit/s

95th percentile per-packet one-way delay: 61.721 ms

Loss rate: 0.00%

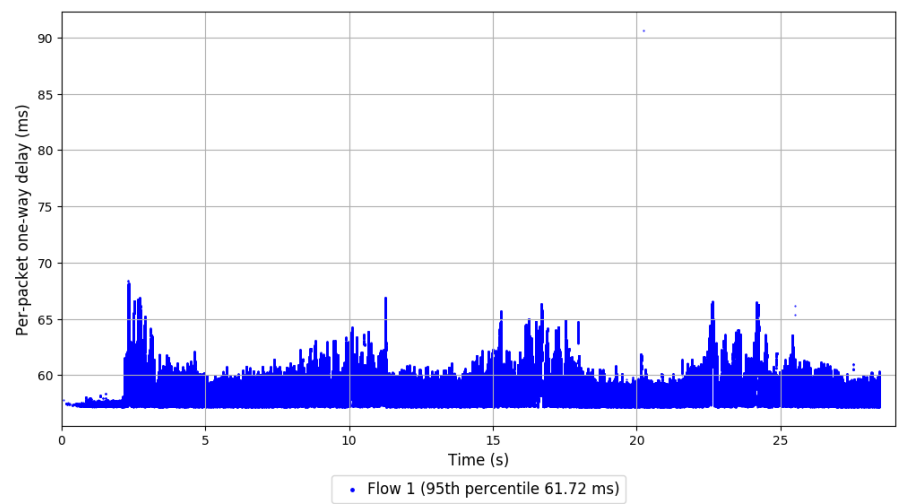
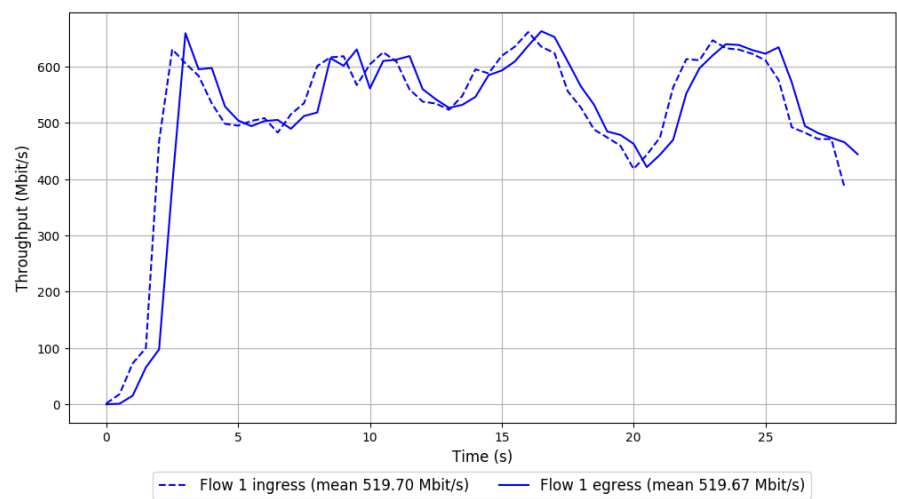
-- Flow 1:

Average throughput: 519.67 Mbit/s

95th percentile per-packet one-way delay: 61.721 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesD — Data Link

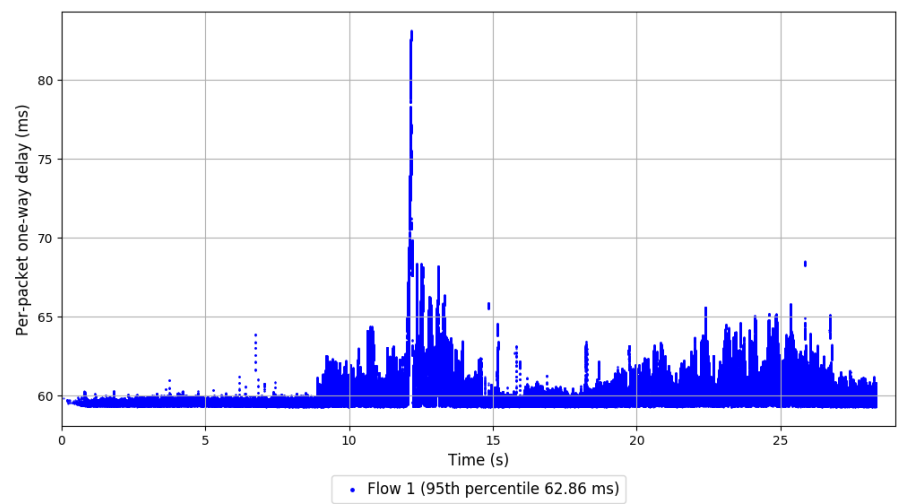
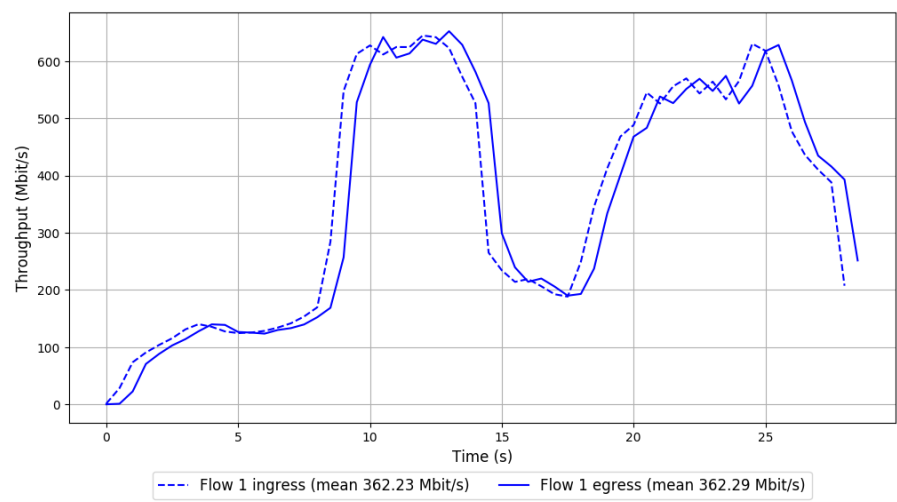


Run 4: Statistics of Indigo-MusesD

Start at: 2019-02-12 12:57:09
End at: 2019-02-12 12:57:39
Local clock offset: -0.154 ms
Remote clock offset: -1.284 ms

Below is generated by plot.py at 2019-02-12 15:45:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 362.29 Mbit/s
95th percentile per-packet one-way delay: 62.857 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 362.29 Mbit/s
95th percentile per-packet one-way delay: 62.857 ms
Loss rate: 0.00%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-02-12 13:30:30

End at: 2019-02-12 13:31:00

Local clock offset: -0.156 ms

Remote clock offset: 0.114 ms

Below is generated by plot.py at 2019-02-12 15:45:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 556.93 Mbit/s

95th percentile per-packet one-way delay: 63.026 ms

Loss rate: 0.00%

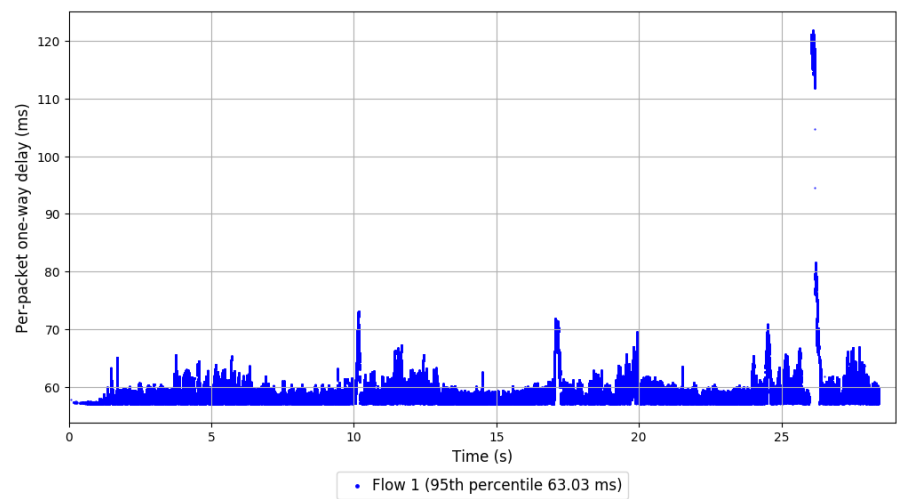
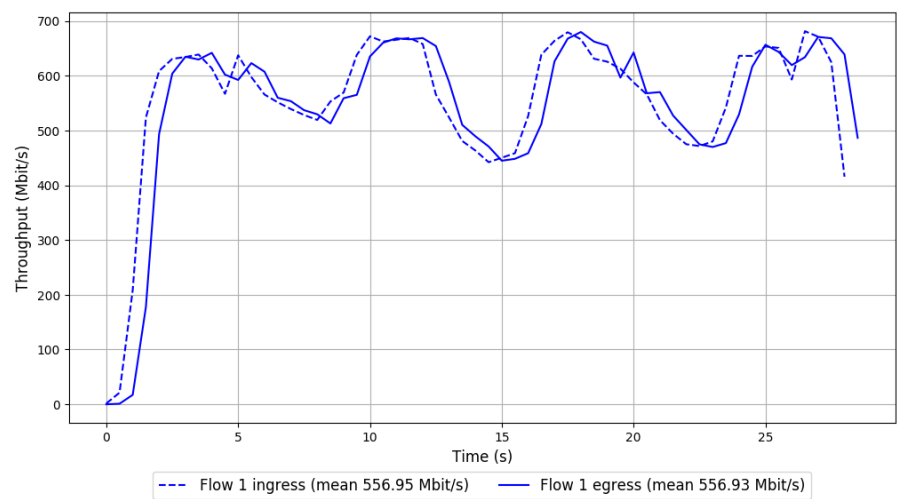
-- Flow 1:

Average throughput: 556.93 Mbit/s

95th percentile per-packet one-way delay: 63.026 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MusesT

Start at: 2019-02-12 11:26:17

End at: 2019-02-12 11:26:47

Local clock offset: -0.098 ms

Remote clock offset: -0.671 ms

Below is generated by plot.py at 2019-02-12 15:51:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 633.49 Mbit/s

95th percentile per-packet one-way delay: 75.844 ms

Loss rate: 0.03%

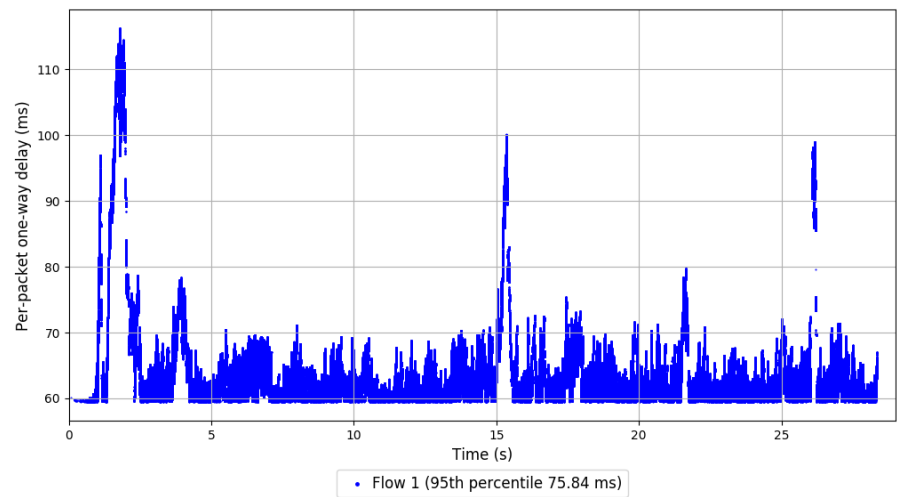
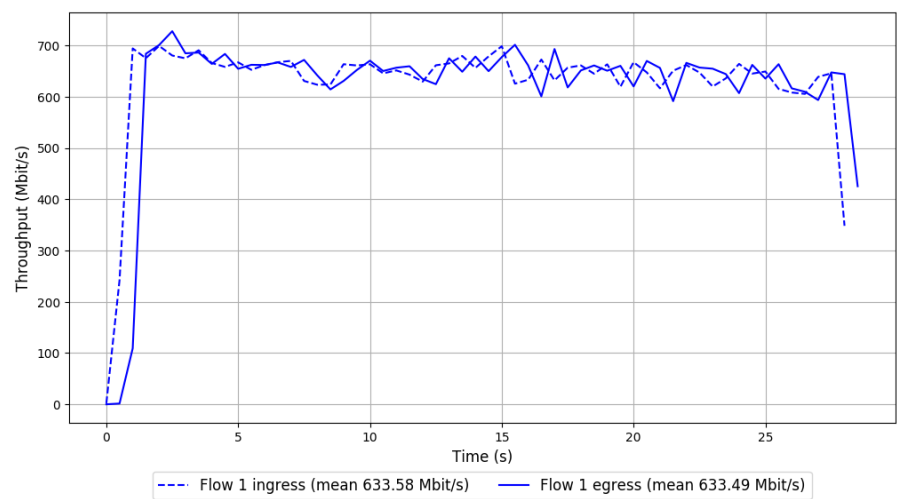
-- Flow 1:

Average throughput: 633.49 Mbit/s

95th percentile per-packet one-way delay: 75.844 ms

Loss rate: 0.03%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-02-12 12:00:35

End at: 2019-02-12 12:01:05

Local clock offset: 0.272 ms

Remote clock offset: -1.358 ms

Below is generated by plot.py at 2019-02-12 15:55:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 636.77 Mbit/s

95th percentile per-packet one-way delay: 68.187 ms

Loss rate: 0.01%

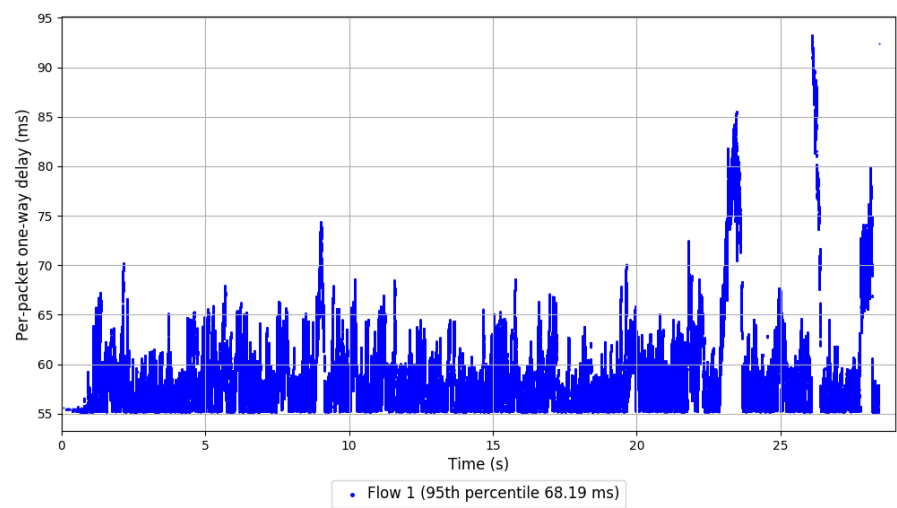
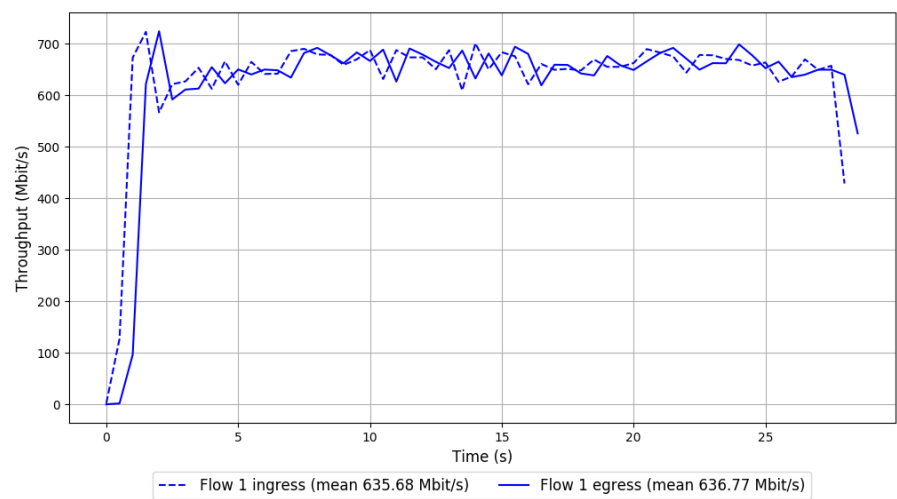
-- Flow 1:

Average throughput: 636.77 Mbit/s

95th percentile per-packet one-way delay: 68.187 ms

Loss rate: 0.01%

Run 2: Report of Indigo-MusesT — Data Link

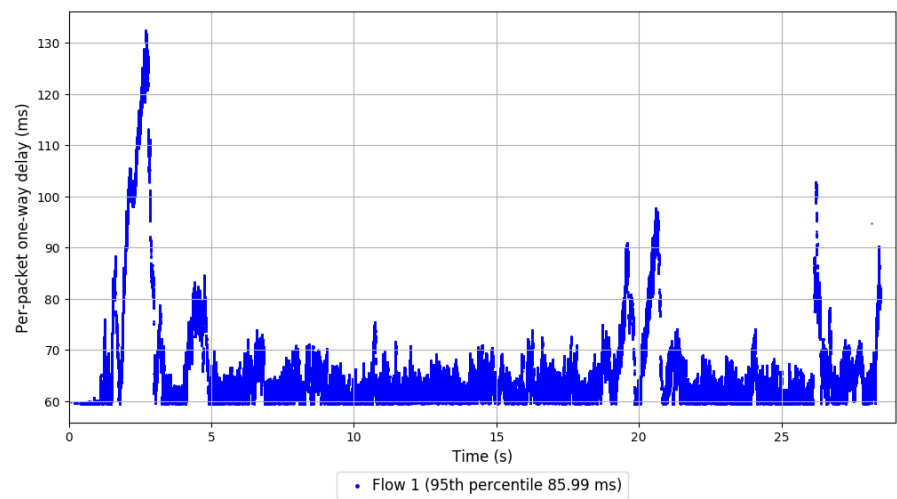
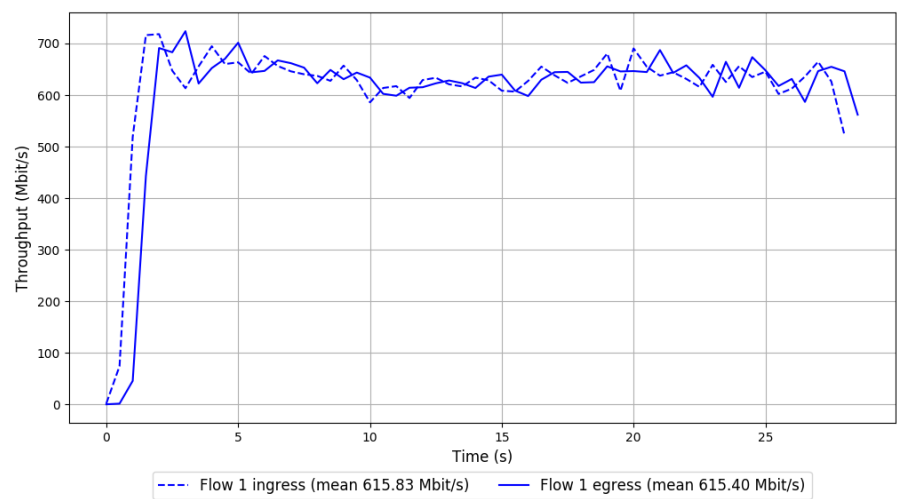


Run 3: Statistics of Indigo-MusesT

Start at: 2019-02-12 12:35:21
End at: 2019-02-12 12:35:51
Local clock offset: -0.054 ms
Remote clock offset: -0.501 ms

Below is generated by plot.py at 2019-02-12 15:55:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 615.40 Mbit/s
95th percentile per-packet one-way delay: 85.991 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 615.40 Mbit/s
95th percentile per-packet one-way delay: 85.991 ms
Loss rate: 0.08%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2019-02-12 13:09:03

End at: 2019-02-12 13:09:33

Local clock offset: -0.308 ms

Remote clock offset: -0.631 ms

Below is generated by plot.py at 2019-02-12 15:57:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 602.58 Mbit/s

95th percentile per-packet one-way delay: 70.598 ms

Loss rate: 0.03%

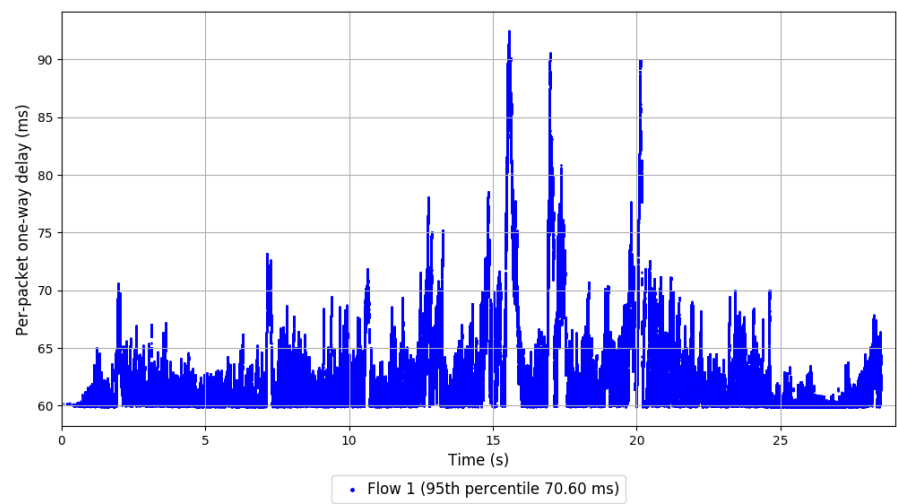
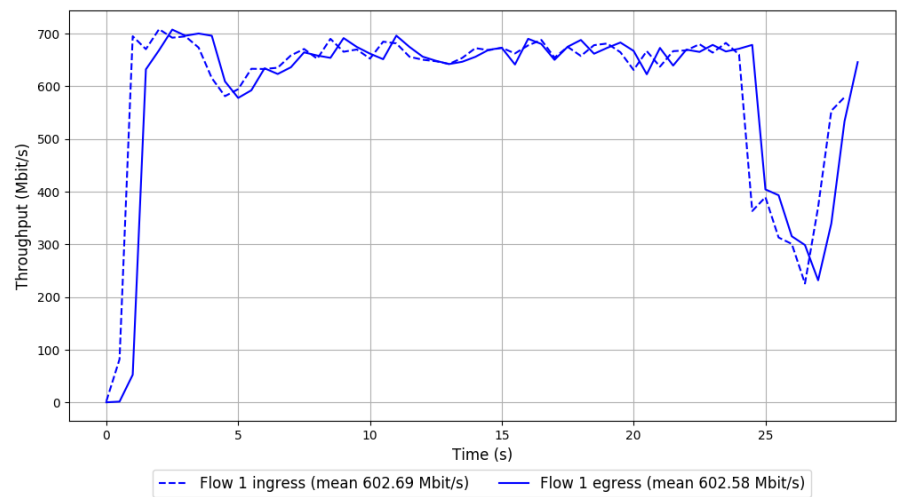
-- Flow 1:

Average throughput: 602.58 Mbit/s

95th percentile per-packet one-way delay: 70.598 ms

Loss rate: 0.03%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-02-12 13:43:15

End at: 2019-02-12 13:43:45

Local clock offset: 0.384 ms

Remote clock offset: -1.225 ms

Below is generated by plot.py at 2019-02-12 15:59:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 657.22 Mbit/s

95th percentile per-packet one-way delay: 75.861 ms

Loss rate: 0.02%

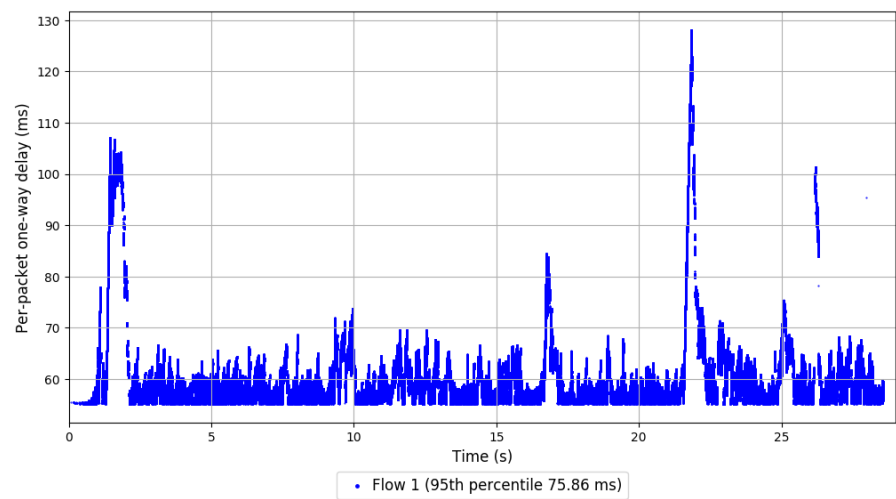
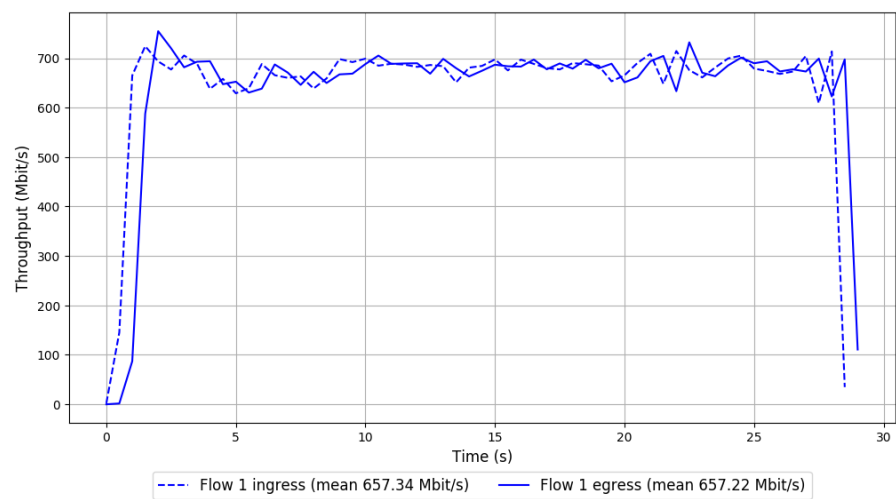
-- Flow 1:

Average throughput: 657.22 Mbit/s

95th percentile per-packet one-way delay: 75.861 ms

Loss rate: 0.02%

Run 5: Report of Indigo-MusesT — Data Link

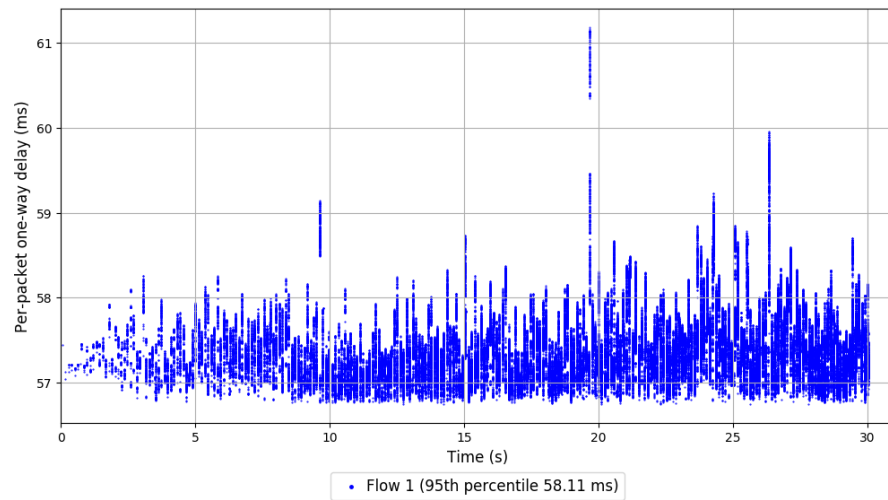
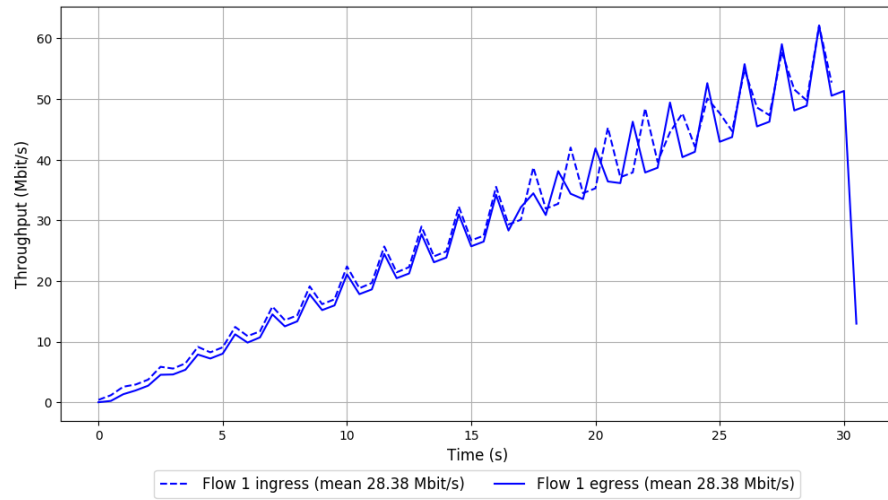


```
Run 1: Statistics of LEDBAT

Start at: 2019-02-12 11:34:23
End at: 2019-02-12 11:34:53
Local clock offset: 0.447 ms
Remote clock offset: 0.295 ms

# Below is generated by plot.py at 2019-02-12 15:59:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 28.38 Mbit/s
95th percentile per-packet one-way delay: 58.113 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 28.38 Mbit/s
95th percentile per-packet one-way delay: 58.113 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

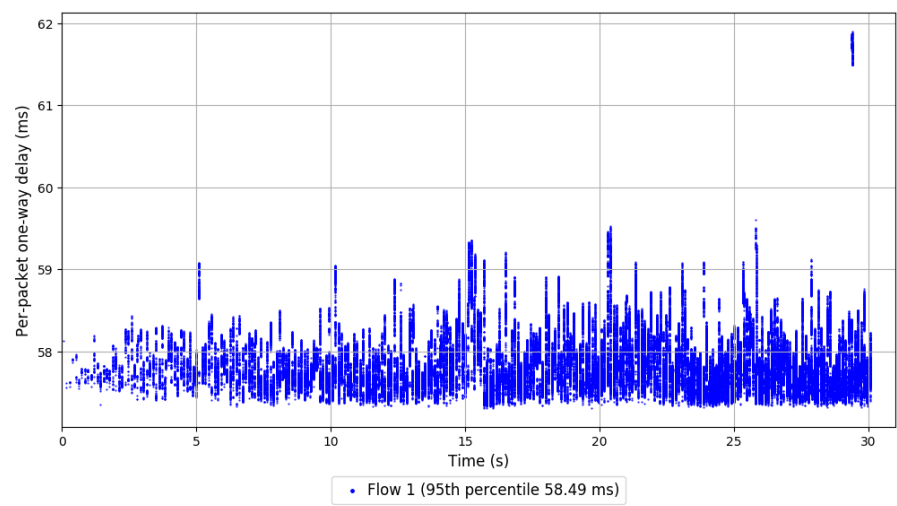
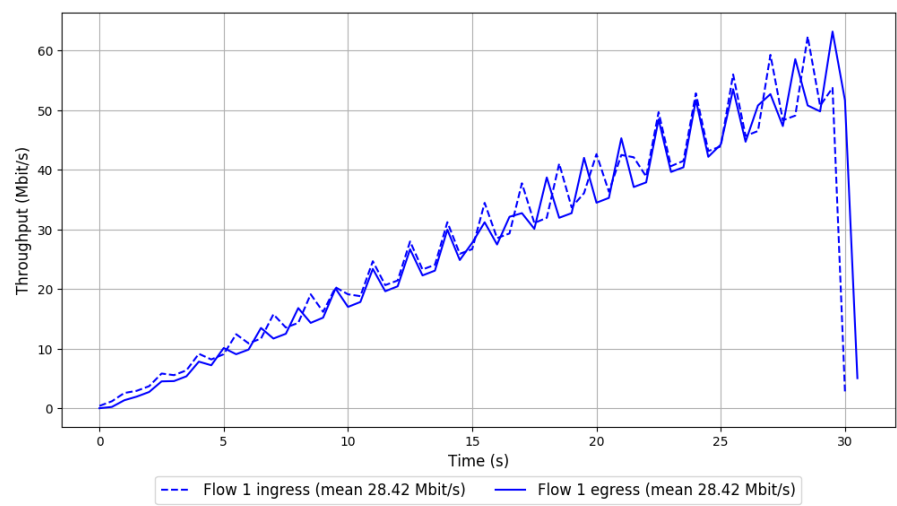


Run 2: Statistics of LEDBAT

Start at: 2019-02-12 12:08:53
End at: 2019-02-12 12:09:23
Local clock offset: -0.582 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2019-02-12 15:59:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 28.42 Mbit/s
95th percentile per-packet one-way delay: 58.494 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 28.42 Mbit/s
95th percentile per-packet one-way delay: 58.494 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

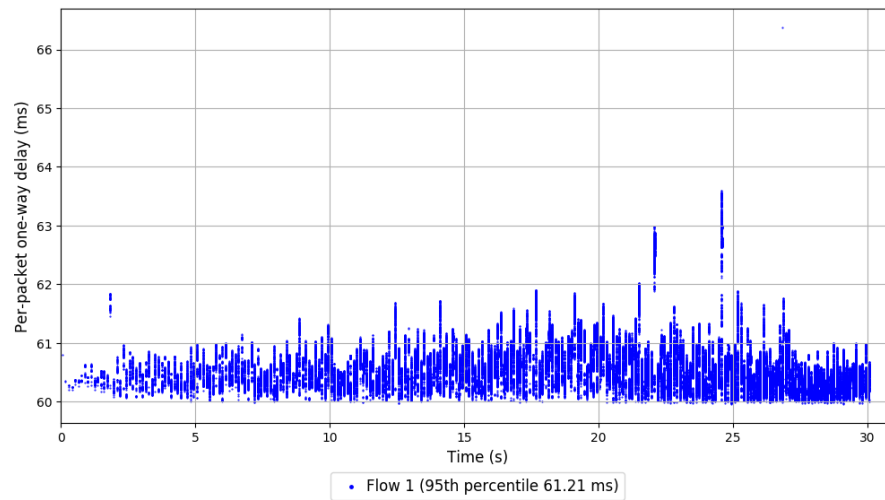
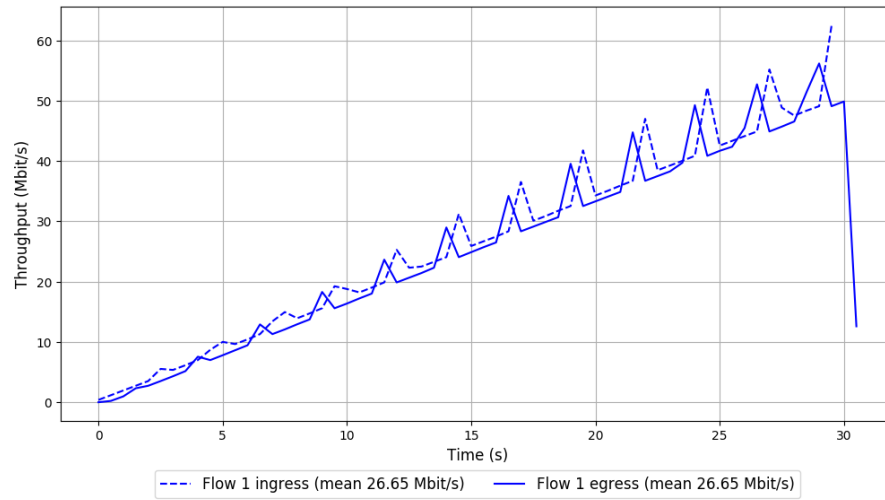


Run 3: Statistics of LEDBAT

Start at: 2019-02-12 12:43:40
End at: 2019-02-12 12:44:10
Local clock offset: -0.208 ms
Remote clock offset: -0.654 ms

Below is generated by plot.py at 2019-02-12 15:59:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 26.65 Mbit/s
95th percentile per-packet one-way delay: 61.211 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 26.65 Mbit/s
95th percentile per-packet one-way delay: 61.211 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

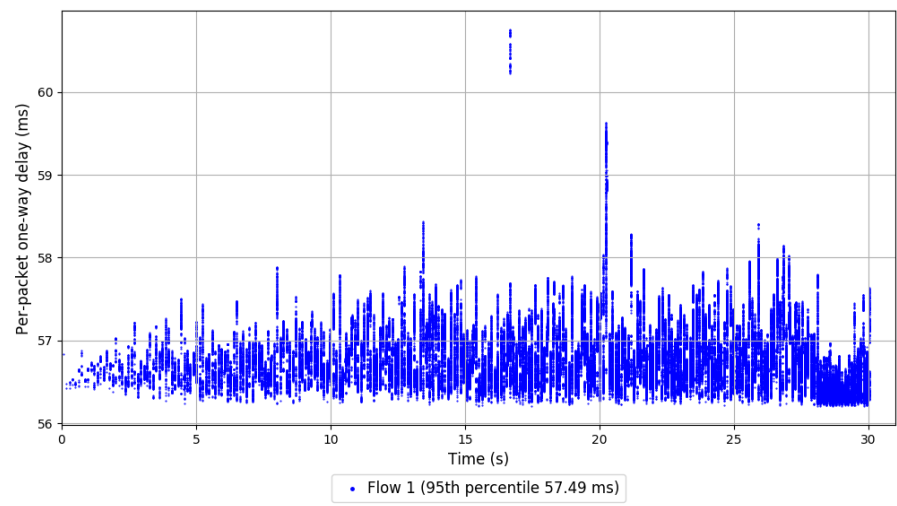
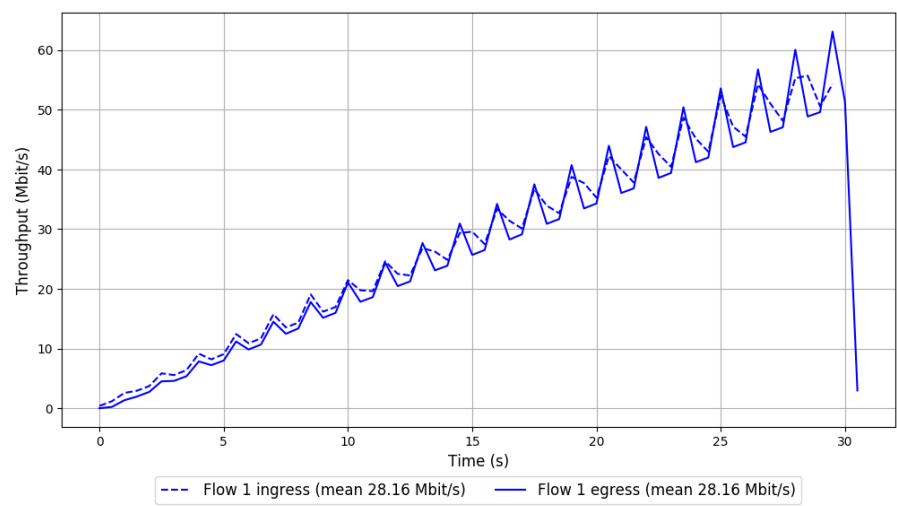


Run 4: Statistics of LEDBAT

Start at: 2019-02-12 13:17:06
End at: 2019-02-12 13:17:36
Local clock offset: -0.097 ms
Remote clock offset: -0.673 ms

Below is generated by plot.py at 2019-02-12 15:59:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 28.16 Mbit/s
95th percentile per-packet one-way delay: 57.494 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 28.16 Mbit/s
95th percentile per-packet one-way delay: 57.494 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2019-02-12 13:51:20

End at: 2019-02-12 13:51:50

Local clock offset: -0.181 ms

Remote clock offset: 0.128 ms

Below is generated by plot.py at 2019-02-12 15:59:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 28.45 Mbit/s

95th percentile per-packet one-way delay: 58.212 ms

Loss rate: 0.00%

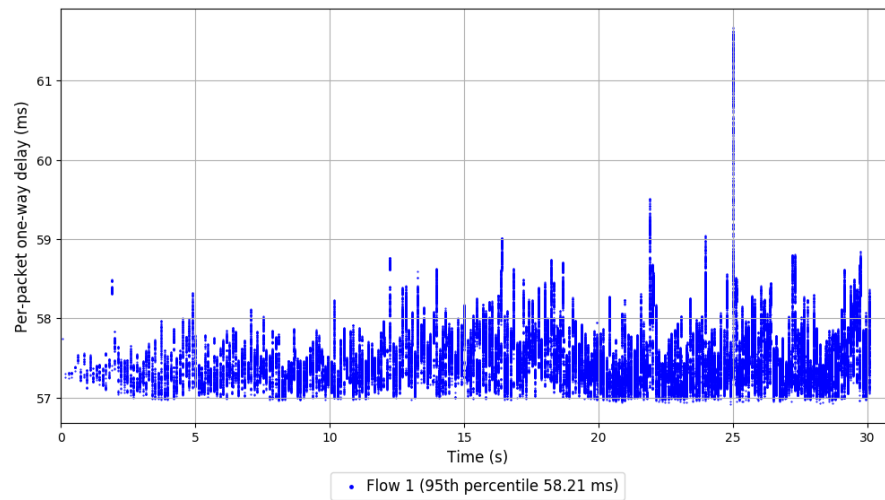
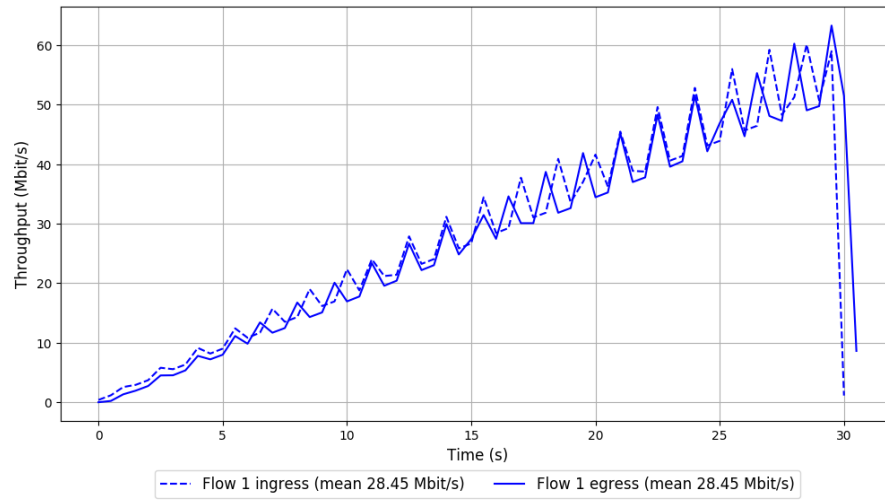
-- Flow 1:

Average throughput: 28.45 Mbit/s

95th percentile per-packet one-way delay: 58.212 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2019-02-12 11:21:34

End at: 2019-02-12 11:22:04

Local clock offset: -0.179 ms

Remote clock offset: -0.765 ms

Below is generated by plot.py at 2019-02-12 16:10:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 478.11 Mbit/s

95th percentile per-packet one-way delay: 161.324 ms

Loss rate: 1.17%

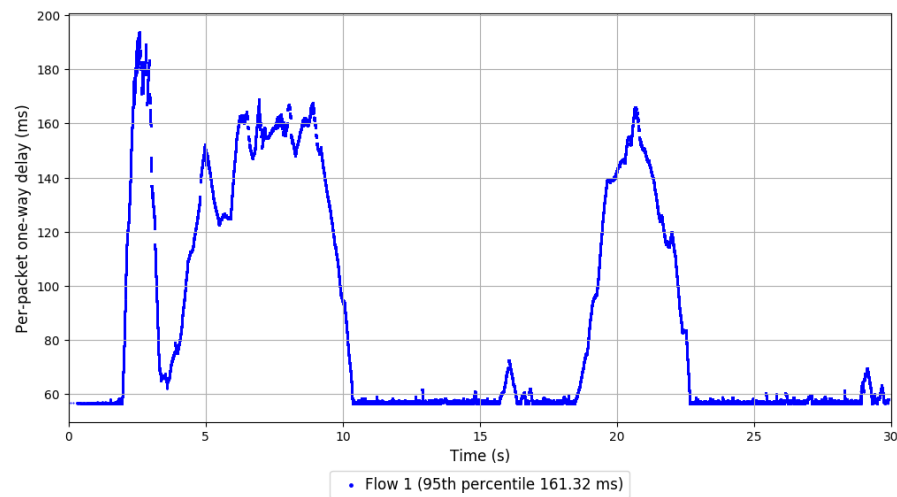
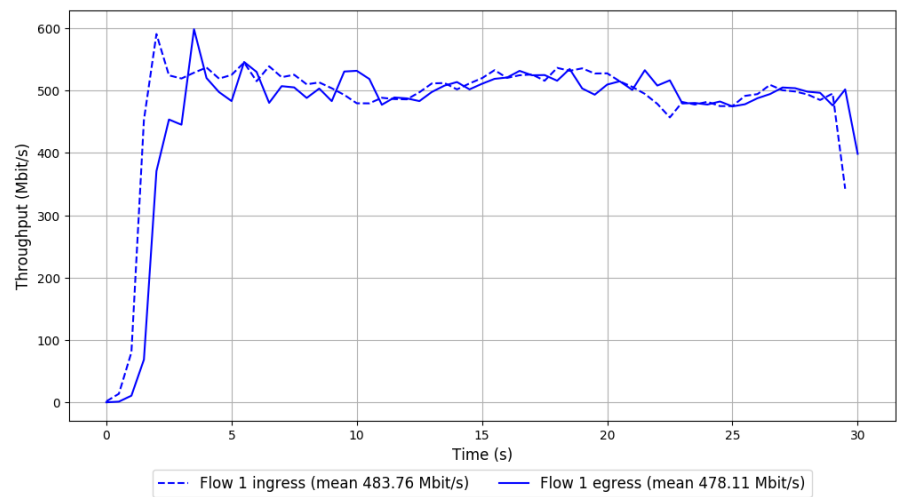
-- Flow 1:

Average throughput: 478.11 Mbit/s

95th percentile per-packet one-way delay: 161.324 ms

Loss rate: 1.17%

Run 1: Report of PCC-Allegro — Data Link

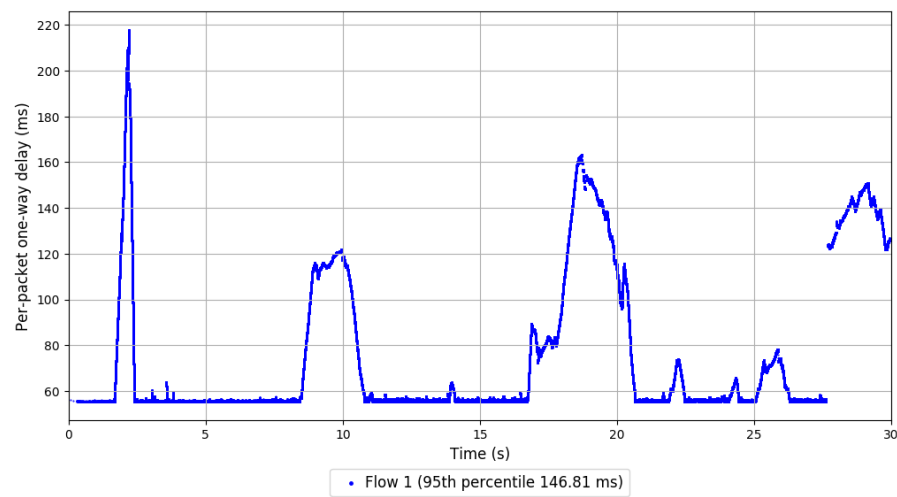
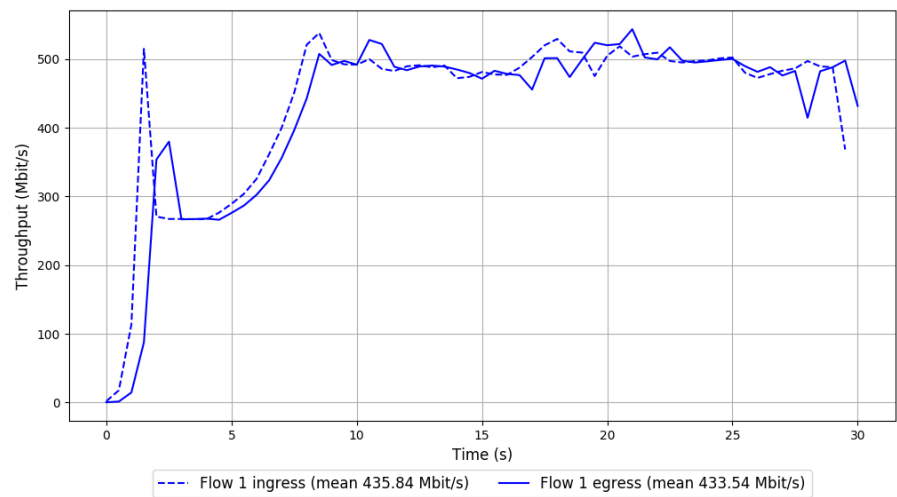


Run 2: Statistics of PCC-Allegro

Start at: 2019-02-12 11:55:51
End at: 2019-02-12 11:56:21
Local clock offset: 0.074 ms
Remote clock offset: -1.508 ms

Below is generated by plot.py at 2019-02-12 16:10:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 433.54 Mbit/s
95th percentile per-packet one-way delay: 146.808 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 433.54 Mbit/s
95th percentile per-packet one-way delay: 146.808 ms
Loss rate: 0.53%

Run 2: Report of PCC-Allegro — Data Link

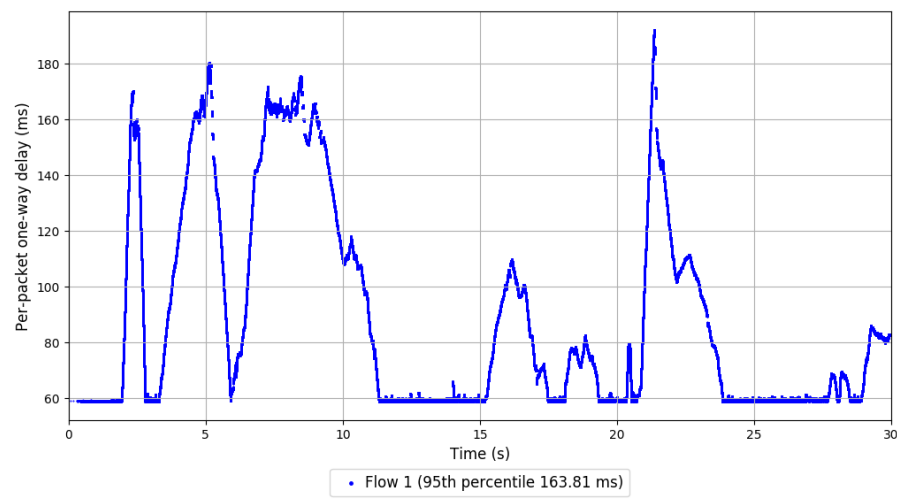
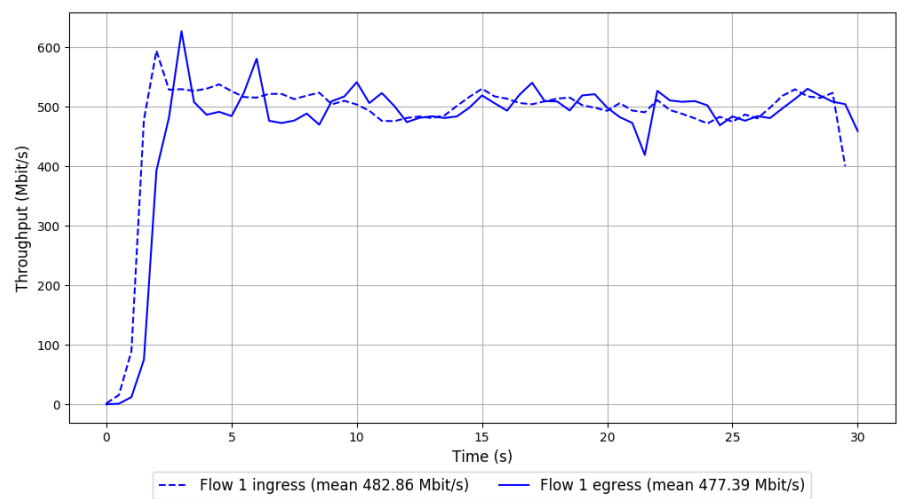


Run 3: Statistics of PCC-Allegro

Start at: 2019-02-12 12:30:25
End at: 2019-02-12 12:30:55
Local clock offset: -0.282 ms
Remote clock offset: -1.459 ms

Below is generated by plot.py at 2019-02-12 16:11:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 477.39 Mbit/s
95th percentile per-packet one-way delay: 163.805 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 477.39 Mbit/s
95th percentile per-packet one-way delay: 163.805 ms
Loss rate: 1.14%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-02-12 13:04:33

End at: 2019-02-12 13:05:03

Local clock offset: -0.171 ms

Remote clock offset: -1.35 ms

Below is generated by plot.py at 2019-02-12 16:15:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 481.19 Mbit/s

95th percentile per-packet one-way delay: 163.569 ms

Loss rate: 1.04%

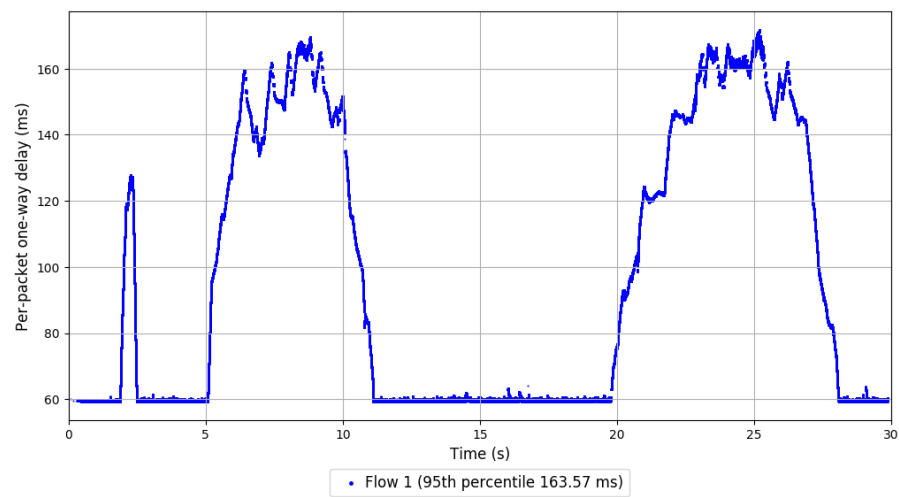
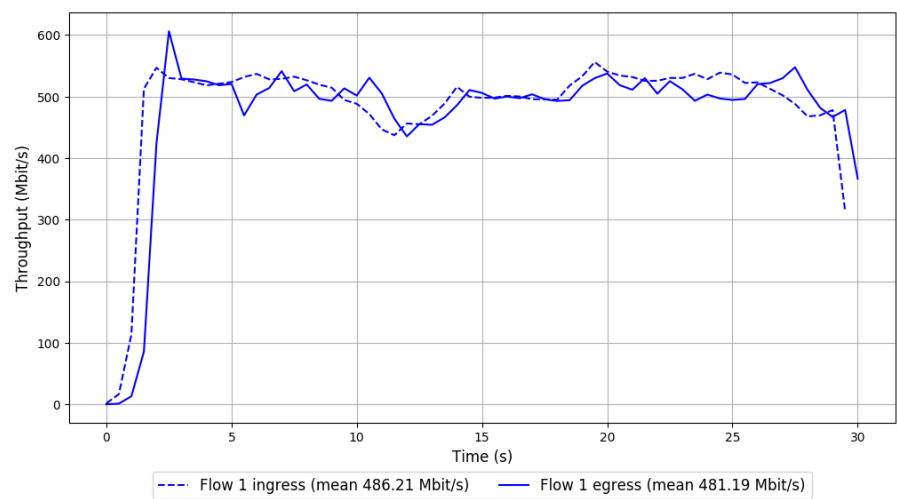
-- Flow 1:

Average throughput: 481.19 Mbit/s

95th percentile per-packet one-way delay: 163.569 ms

Loss rate: 1.04%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-02-12 13:38:24

End at: 2019-02-12 13:38:54

Local clock offset: -0.186 ms

Remote clock offset: -0.637 ms

Below is generated by plot.py at 2019-02-12 16:18:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 471.31 Mbit/s

95th percentile per-packet one-way delay: 162.337 ms

Loss rate: 1.52%

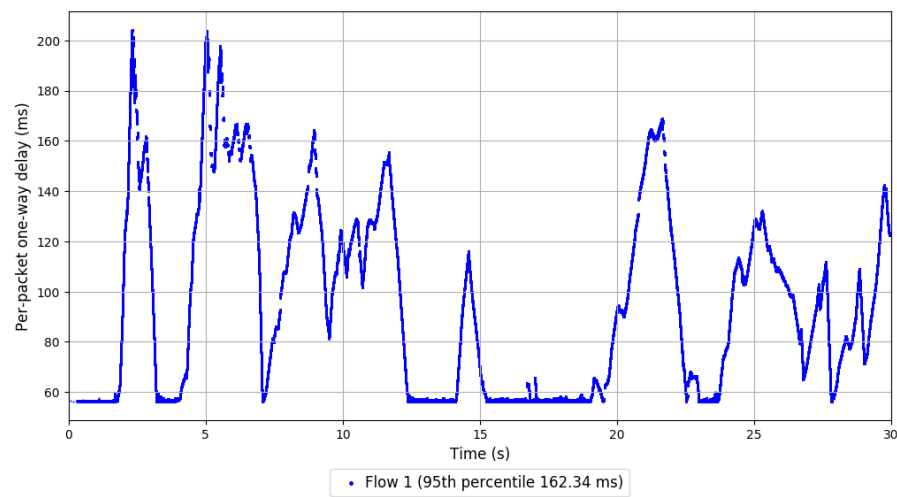
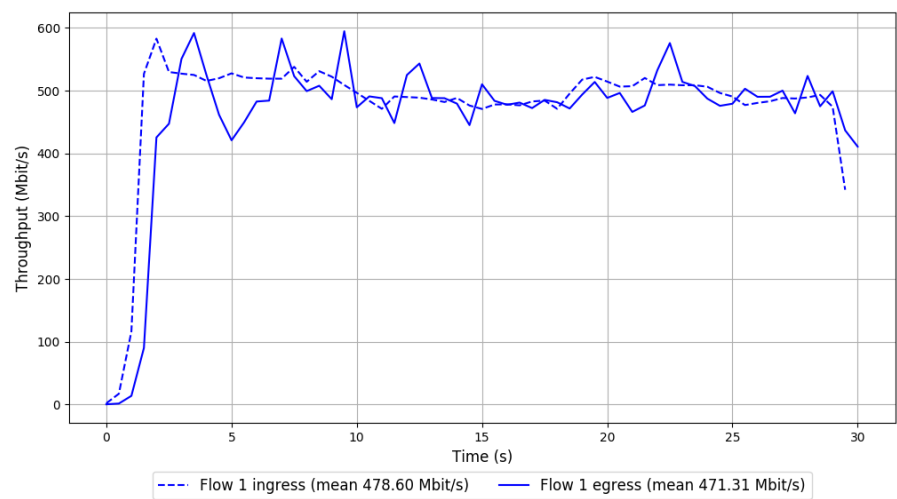
-- Flow 1:

Average throughput: 471.31 Mbit/s

95th percentile per-packet one-way delay: 162.337 ms

Loss rate: 1.52%

Run 5: Report of PCC-Allegro — Data Link

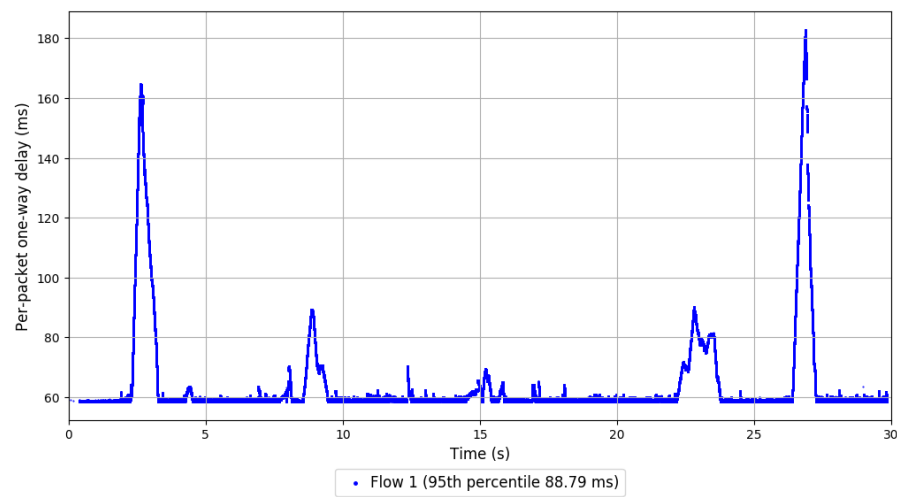
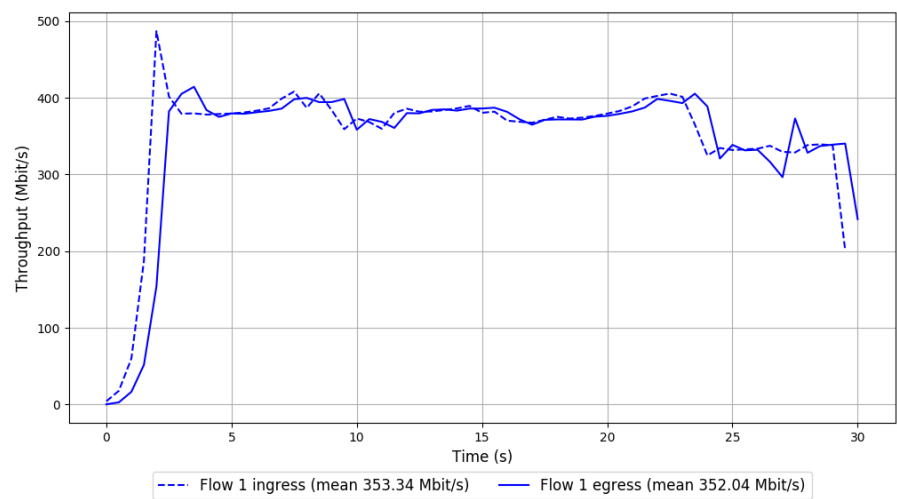


```
Run 1: Statistics of PCC-Expr

Start at: 2019-02-12 11:08:53
End at: 2019-02-12 11:09:23
Local clock offset: 0.078 ms
Remote clock offset: 1.379 ms

# Below is generated by plot.py at 2019-02-12 16:18:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 352.04 Mbit/s
95th percentile per-packet one-way delay: 88.792 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 352.04 Mbit/s
95th percentile per-packet one-way delay: 88.792 ms
Loss rate: 0.37%
```

Run 1: Report of PCC-Expr — Data Link

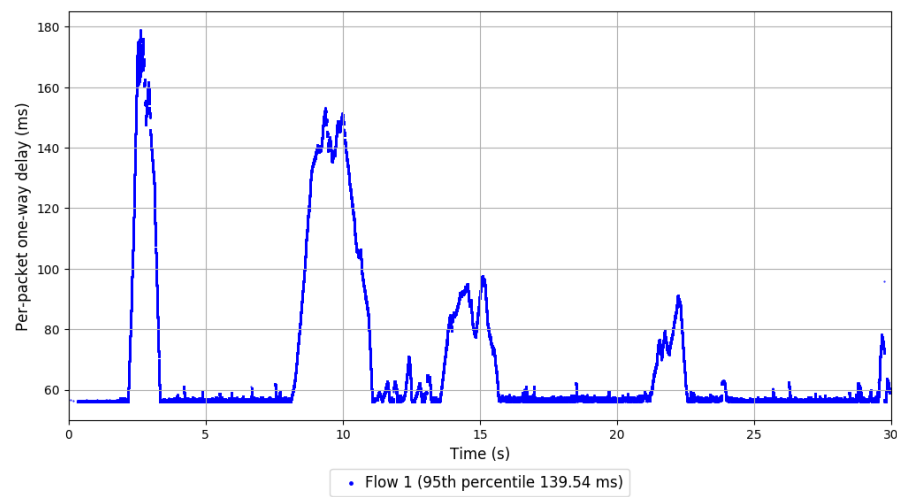
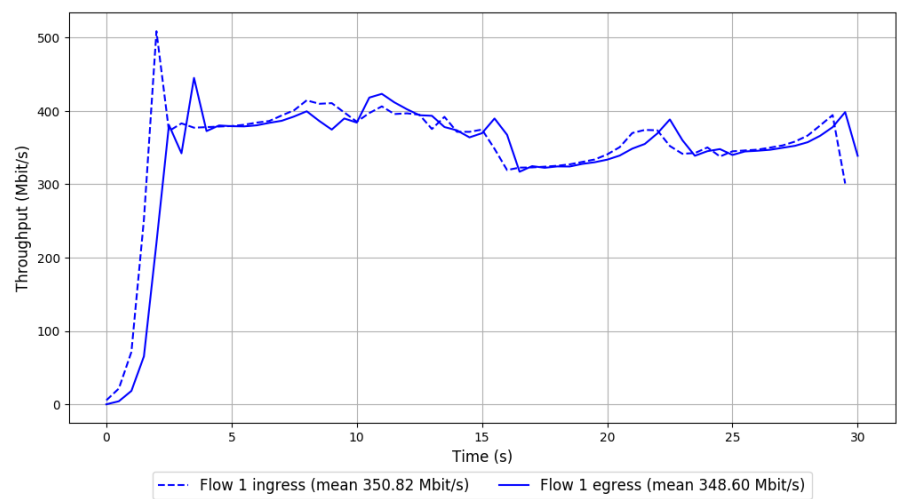


Run 2: Statistics of PCC-Expr

Start at: 2019-02-12 11:42:33
End at: 2019-02-12 11:43:03
Local clock offset: -0.162 ms
Remote clock offset: -1.015 ms

Below is generated by plot.py at 2019-02-12 16:18:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 348.60 Mbit/s
95th percentile per-packet one-way delay: 139.542 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 348.60 Mbit/s
95th percentile per-packet one-way delay: 139.542 ms
Loss rate: 0.63%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-02-12 12:16:44

End at: 2019-02-12 12:17:14

Local clock offset: -0.119 ms

Remote clock offset: 1.357 ms

Below is generated by plot.py at 2019-02-12 16:18:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 349.06 Mbit/s

95th percentile per-packet one-way delay: 132.970 ms

Loss rate: 0.52%

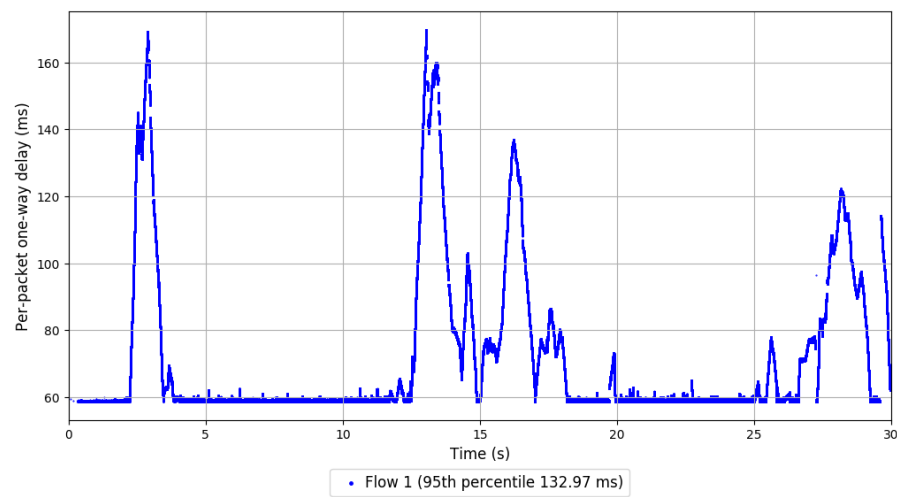
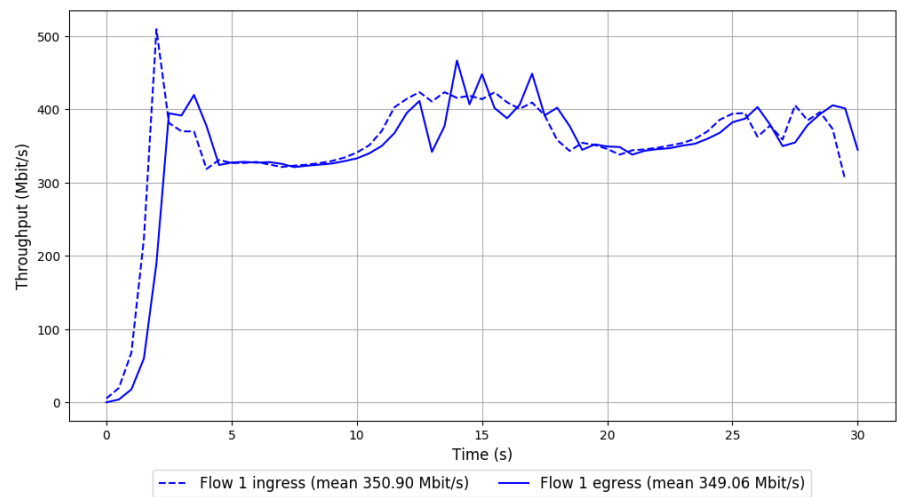
-- Flow 1:

Average throughput: 349.06 Mbit/s

95th percentile per-packet one-way delay: 132.970 ms

Loss rate: 0.52%

Run 3: Report of PCC-Expr — Data Link

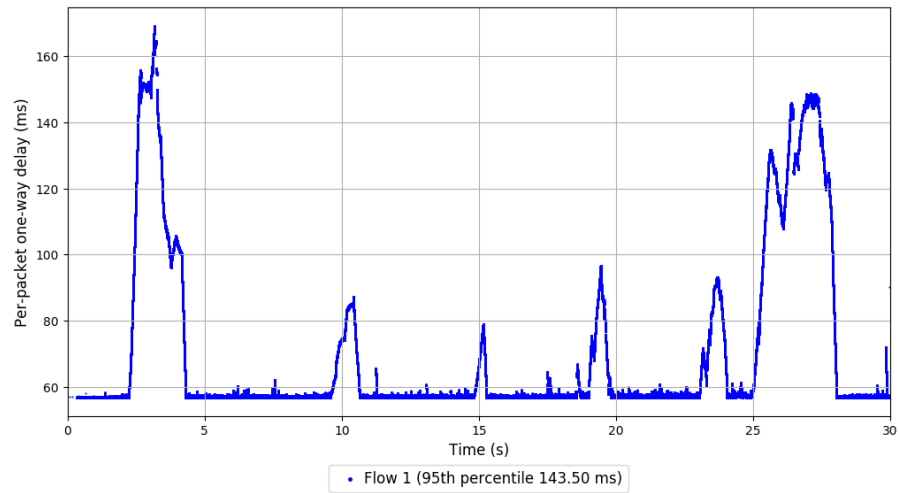
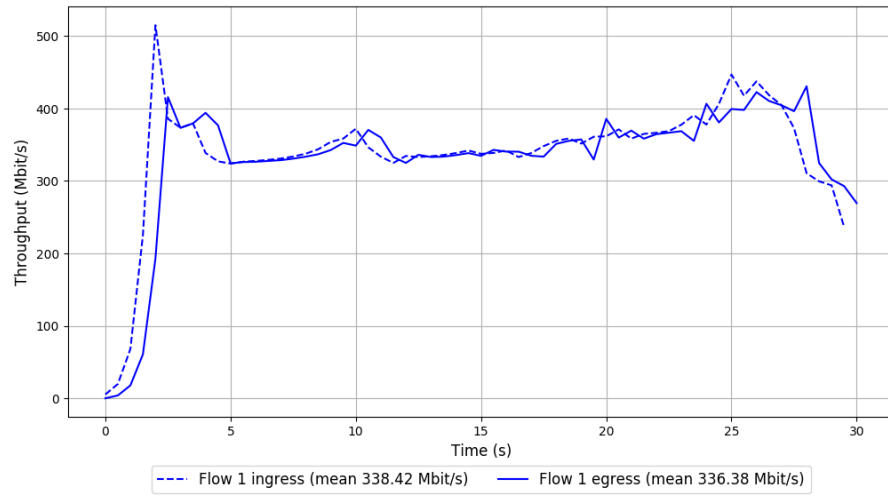


Run 4: Statistics of PCC-Expr

Start at: 2019-02-12 12:51:41
End at: 2019-02-12 12:52:11
Local clock offset: 0.018 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2019-02-12 16:25:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 336.38 Mbit/s
95th percentile per-packet one-way delay: 143.503 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 336.38 Mbit/s
95th percentile per-packet one-way delay: 143.503 ms
Loss rate: 0.50%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2019-02-12 13:25:10

End at: 2019-02-12 13:25:40

Local clock offset: 0.01 ms

Remote clock offset: 0.749 ms

Below is generated by plot.py at 2019-02-12 16:27:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 323.94 Mbit/s

95th percentile per-packet one-way delay: 137.477 ms

Loss rate: 0.48%

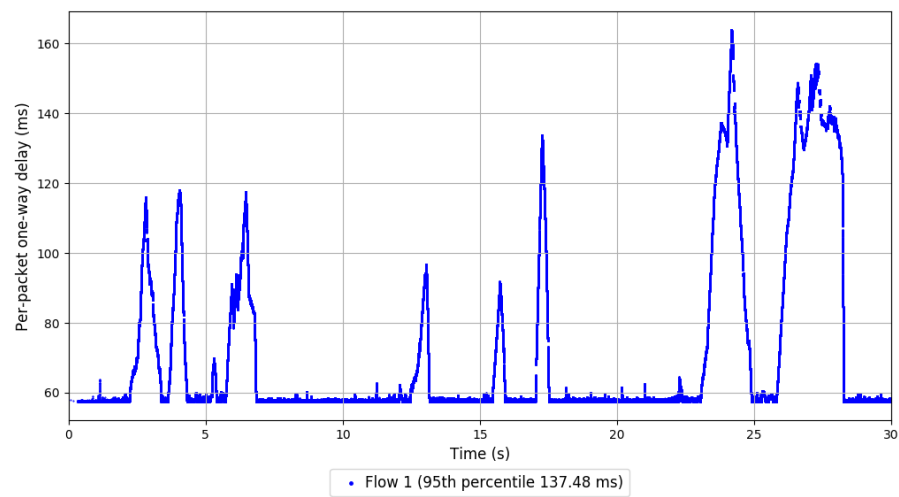
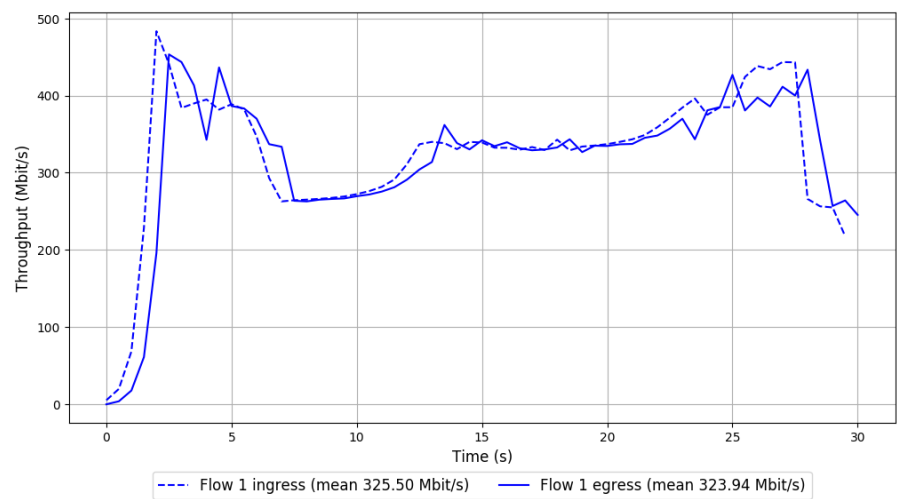
-- Flow 1:

Average throughput: 323.94 Mbit/s

95th percentile per-packet one-way delay: 137.477 ms

Loss rate: 0.48%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

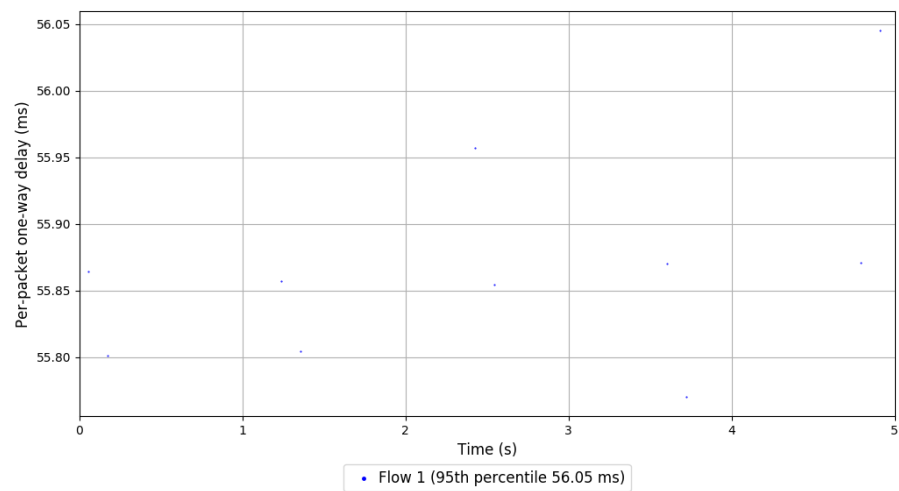
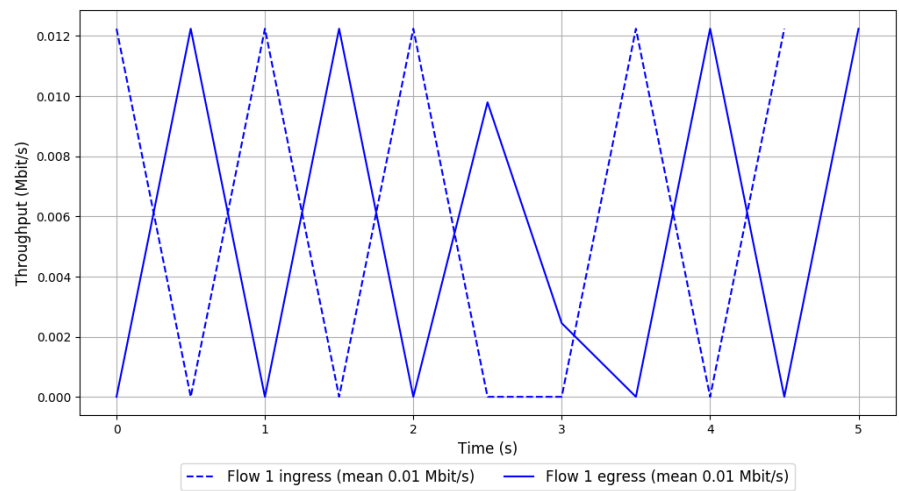
Start at: 2019-02-12 11:17:06

End at: 2019-02-12 11:17:36

Local clock offset: -0.098 ms

Remote clock offset: -1.406 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-02-12 11:51:18

End at: 2019-02-12 11:51:48

Local clock offset: -0.59 ms

Remote clock offset: -1.411 ms

Below is generated by plot.py at 2019-02-12 16:27:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.65 Mbit/s

95th percentile per-packet one-way delay: 56.385 ms

Loss rate: 0.00%

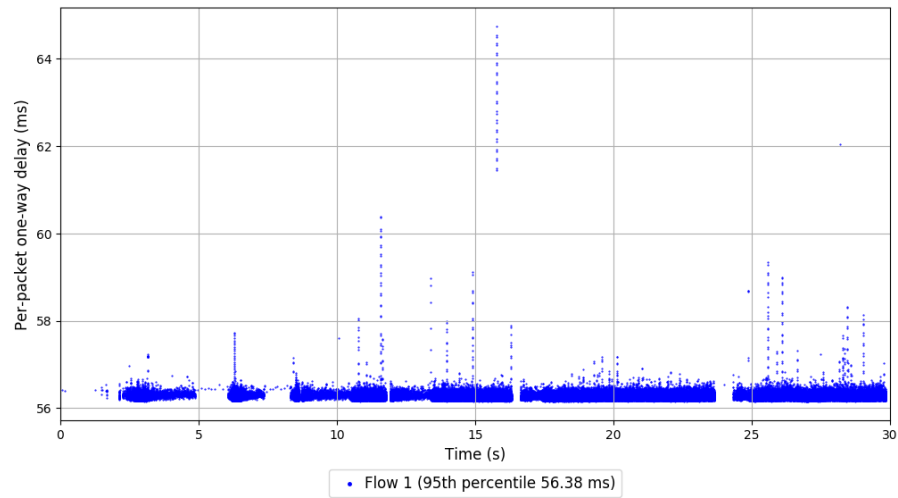
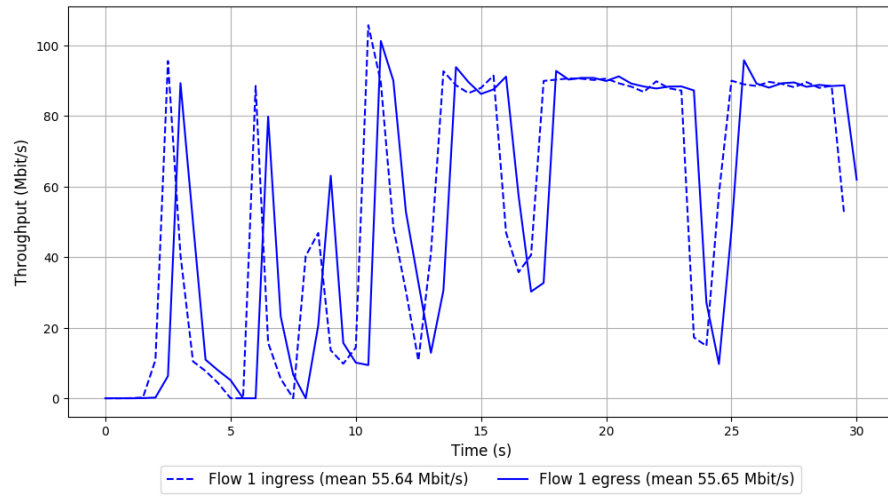
-- Flow 1:

Average throughput: 55.65 Mbit/s

95th percentile per-packet one-way delay: 56.385 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-02-12 12:25:54

End at: 2019-02-12 12:26:24

Local clock offset: -0.145 ms

Remote clock offset: -0.784 ms

Below is generated by plot.py at 2019-02-12 16:27:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.99 Mbit/s

95th percentile per-packet one-way delay: 56.359 ms

Loss rate: 0.00%

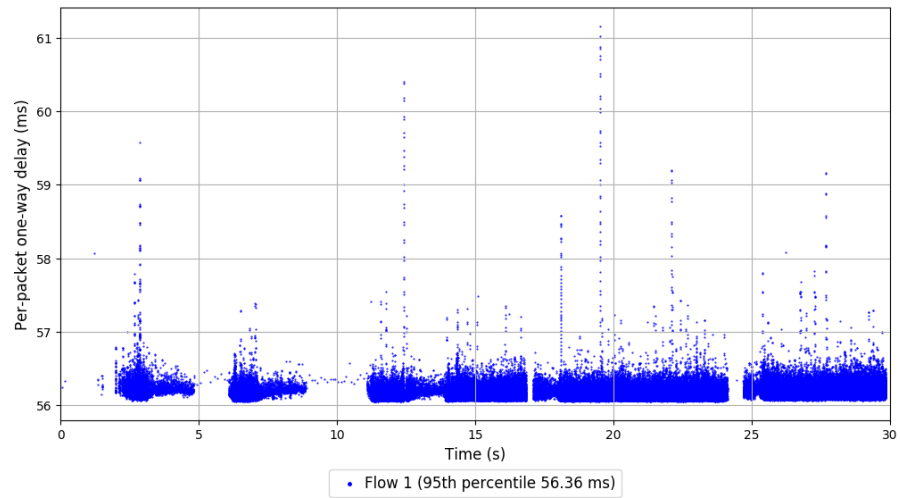
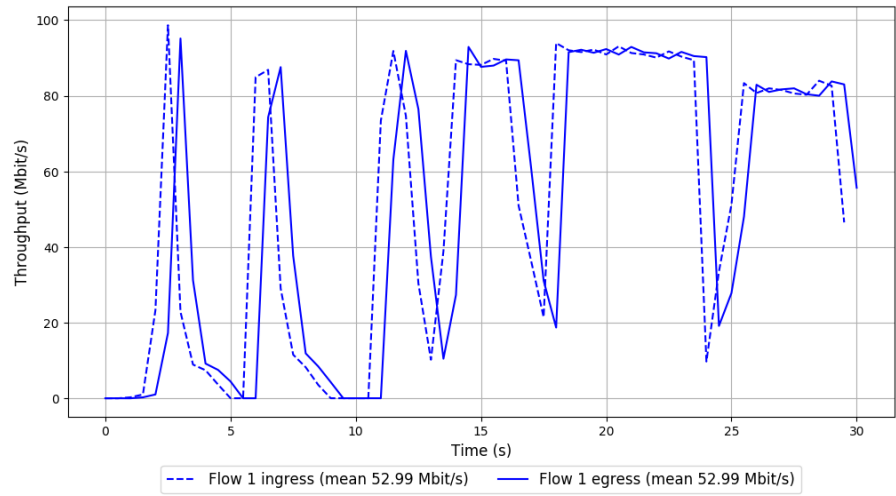
-- Flow 1:

Average throughput: 52.99 Mbit/s

95th percentile per-packet one-way delay: 56.359 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-02-12 13:00:20

End at: 2019-02-12 13:00:50

Local clock offset: 0.082 ms

Remote clock offset: -1.363 ms

Below is generated by plot.py at 2019-02-12 16:27:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.47 Mbit/s

95th percentile per-packet one-way delay: 55.820 ms

Loss rate: 0.00%

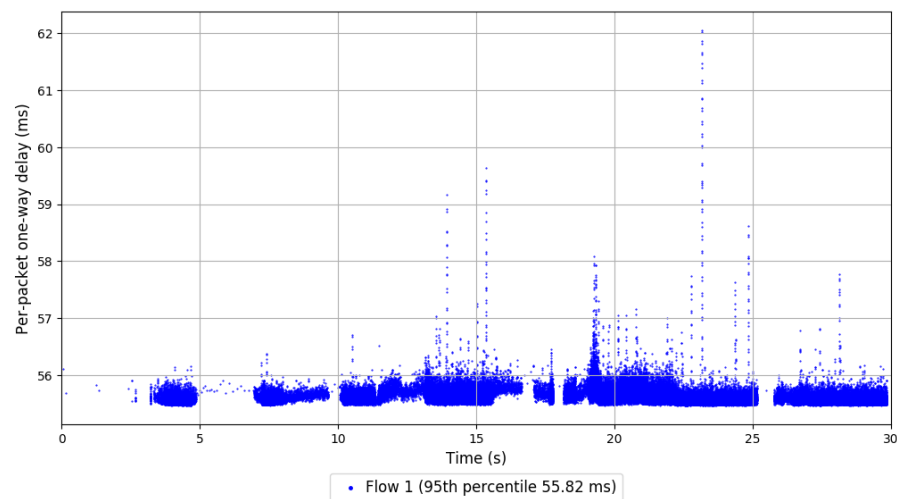
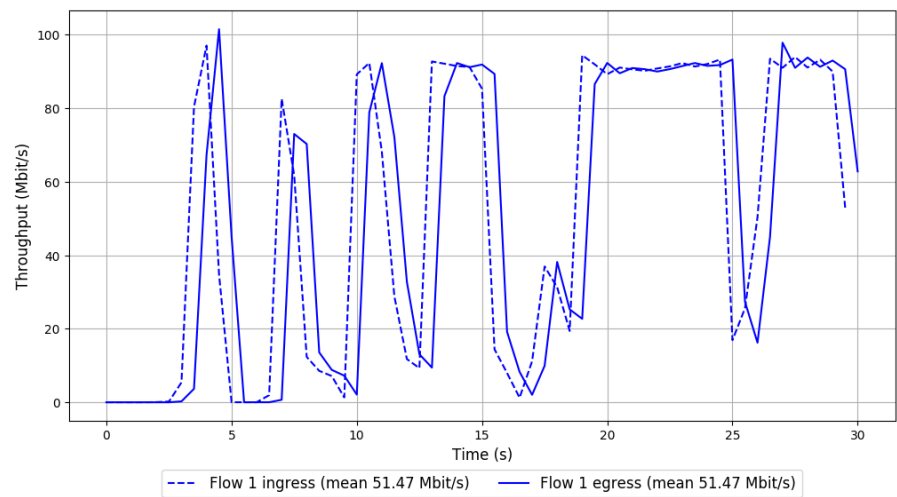
-- Flow 1:

Average throughput: 51.47 Mbit/s

95th percentile per-packet one-way delay: 55.820 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-02-12 13:33:53

End at: 2019-02-12 13:34:23

Local clock offset: 0.272 ms

Remote clock offset: -0.666 ms

Below is generated by plot.py at 2019-02-12 16:27:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.20 Mbit/s

95th percentile per-packet one-way delay: 56.065 ms

Loss rate: 0.00%

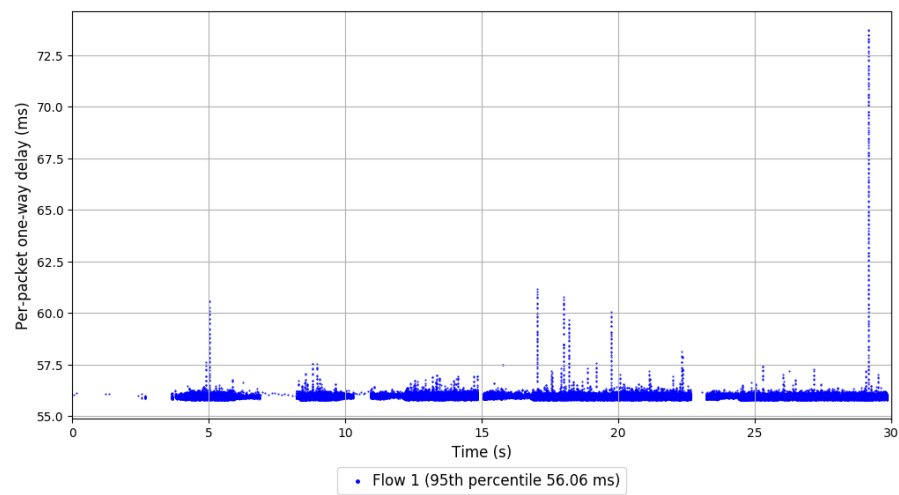
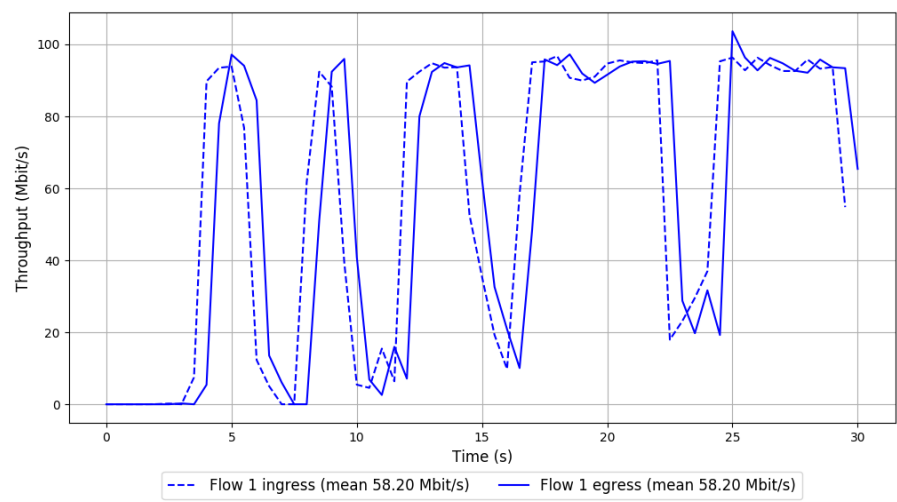
-- Flow 1:

Average throughput: 58.20 Mbit/s

95th percentile per-packet one-way delay: 56.065 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

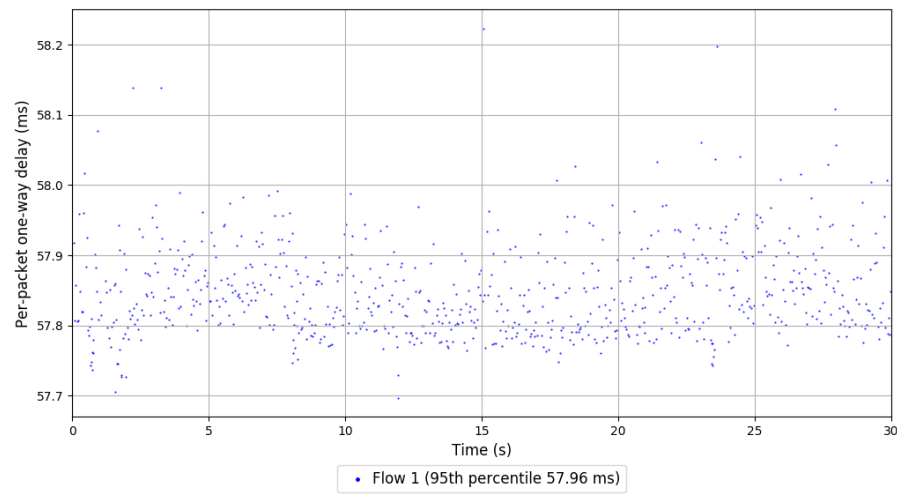
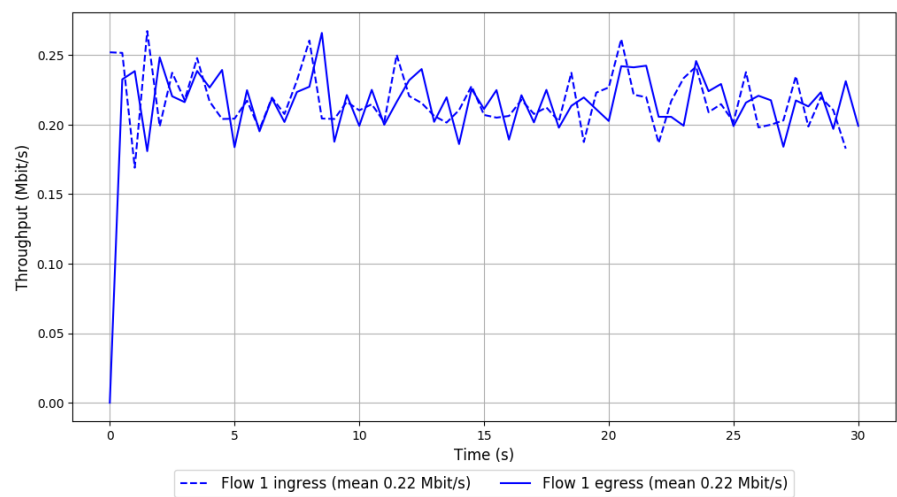


```
Run 1: Statistics of SCReAM

Start at: 2019-02-12 11:29:41
End at: 2019-02-12 11:30:11
Local clock offset: -0.02 ms
Remote clock offset: 0.486 ms

# Below is generated by plot.py at 2019-02-12 16:27:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.959 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.959 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2019-02-12 12:03:59

End at: 2019-02-12 12:04:29

Local clock offset: -0.384 ms

Remote clock offset: 1.206 ms

Below is generated by plot.py at 2019-02-12 16:27:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 58.784 ms

Loss rate: 0.00%

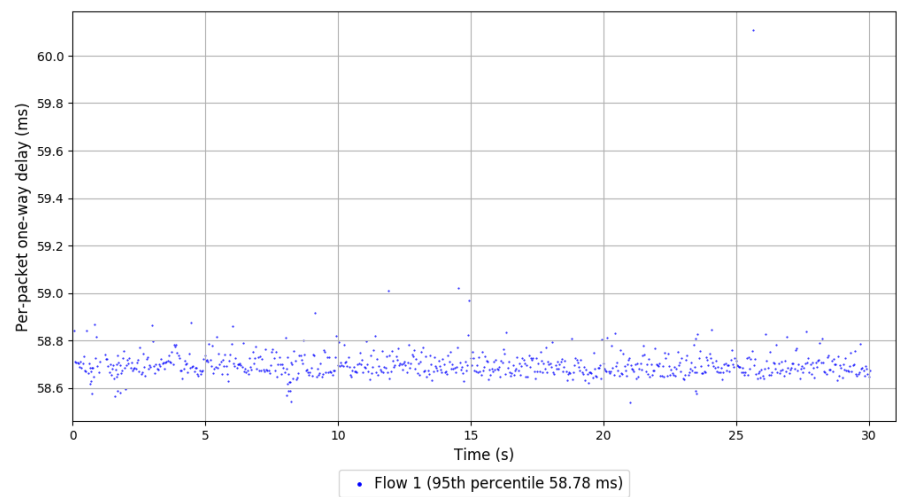
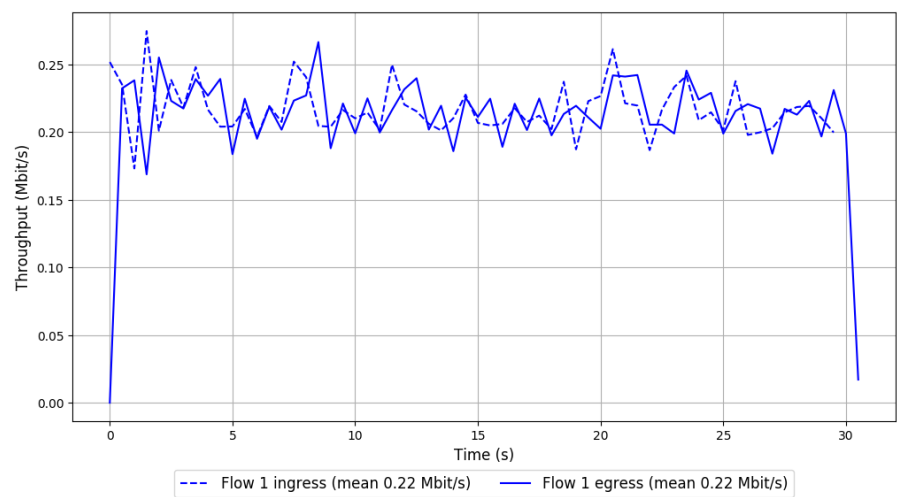
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 58.784 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

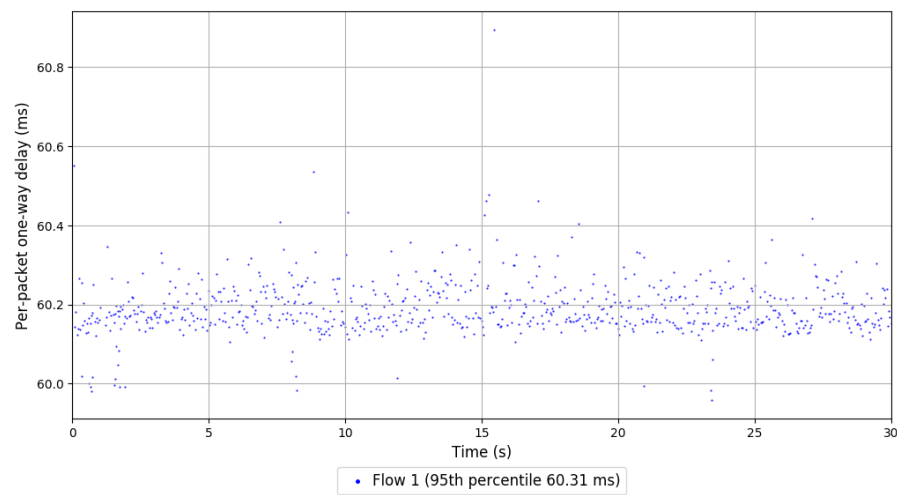
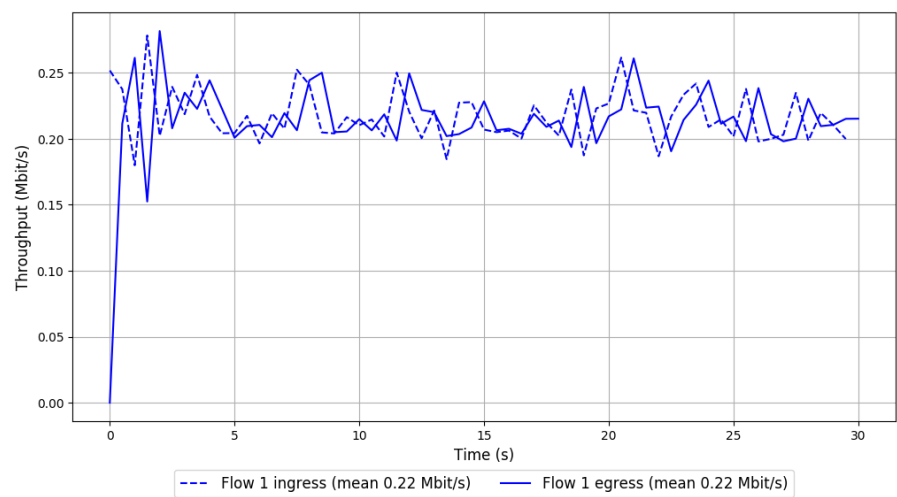


Run 3: Statistics of SCReAM

Start at: 2019-02-12 12:38:59
End at: 2019-02-12 12:39:29
Local clock offset: 0.164 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2019-02-12 16:27:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.306 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.306 ms
Loss rate: 0.13%

Run 3: Report of SReAM — Data Link

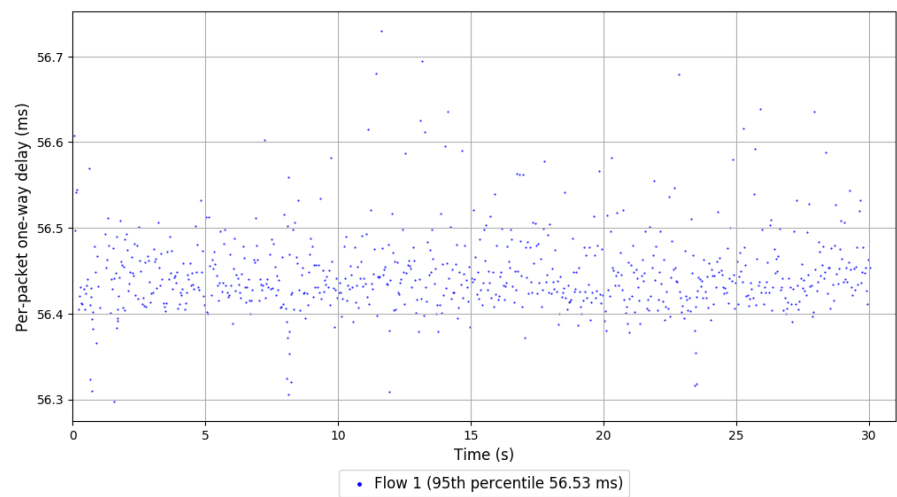
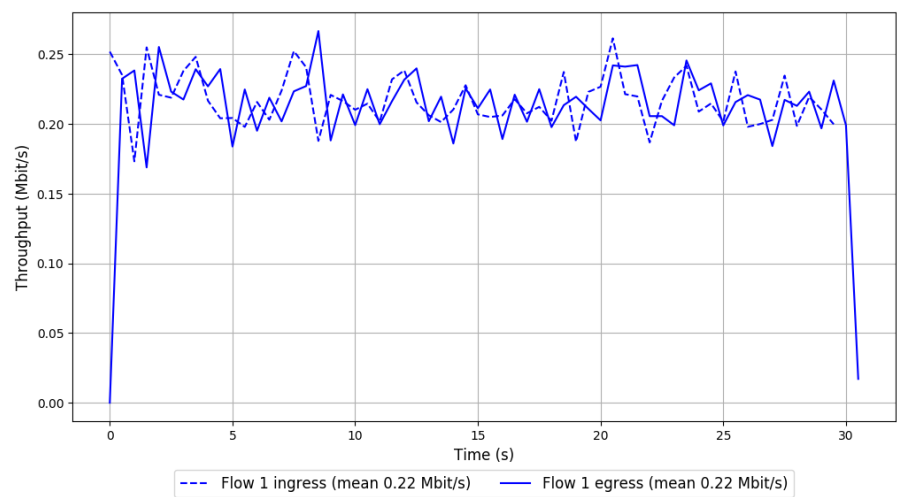


Run 4: Statistics of SCReAM

Start at: 2019-02-12 13:12:21
End at: 2019-02-12 13:12:51
Local clock offset: 0.106 ms
Remote clock offset: -0.658 ms

Below is generated by plot.py at 2019-02-12 16:27:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 56.532 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 56.532 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

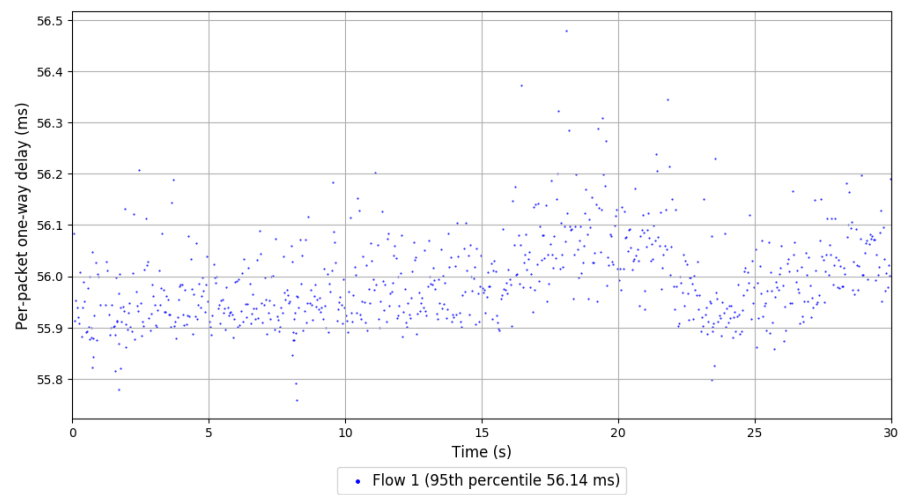
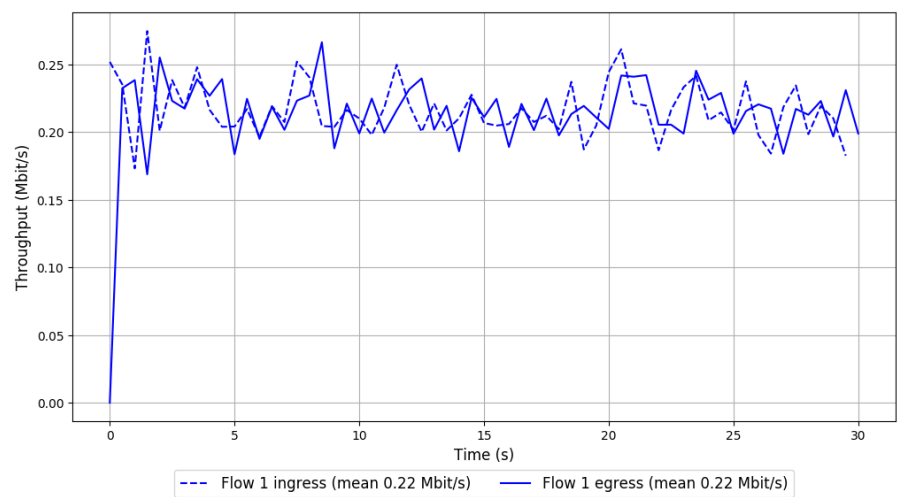


Run 5: Statistics of SCReAM

Start at: 2019-02-12 13:46:45
End at: 2019-02-12 13:47:15
Local clock offset: -0.423 ms
Remote clock offset: -1.327 ms

Below is generated by plot.py at 2019-02-12 16:27:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 56.142 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 56.142 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2019-02-12 11:37:30

End at: 2019-02-12 11:38:00

Local clock offset: -0.181 ms

Remote clock offset: 0.585 ms

Below is generated by plot.py at 2019-02-12 16:27:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.99 Mbit/s

95th percentile per-packet one-way delay: 62.151 ms

Loss rate: 0.00%

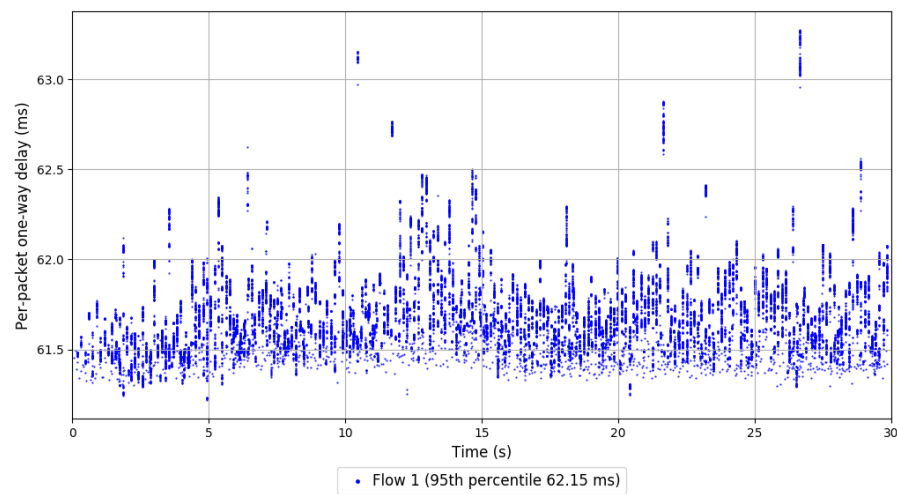
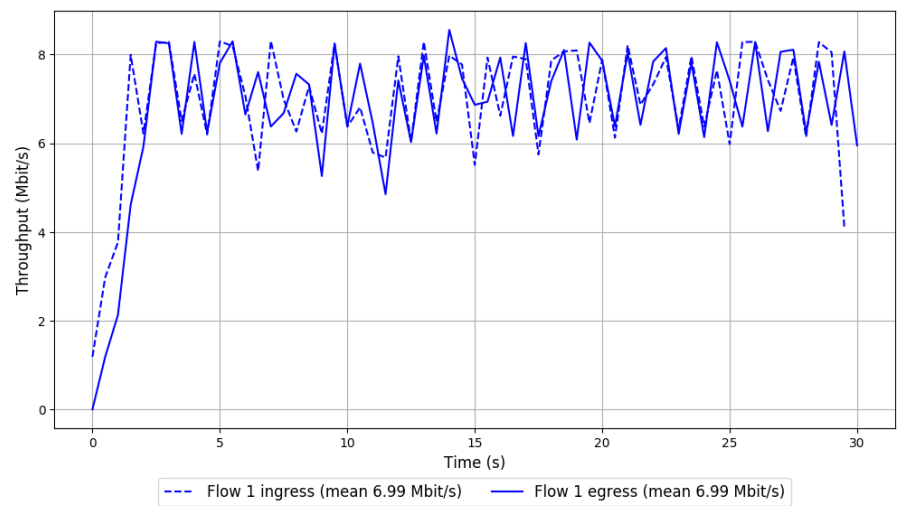
-- Flow 1:

Average throughput: 6.99 Mbit/s

95th percentile per-packet one-way delay: 62.151 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

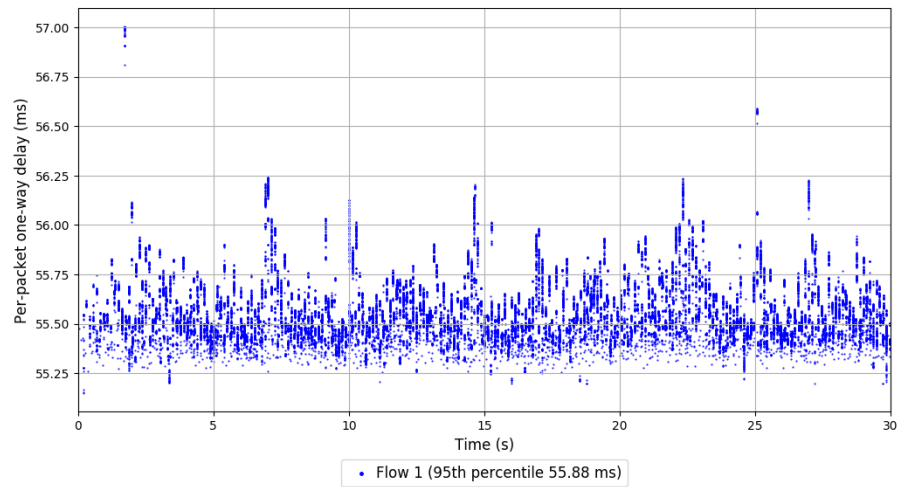
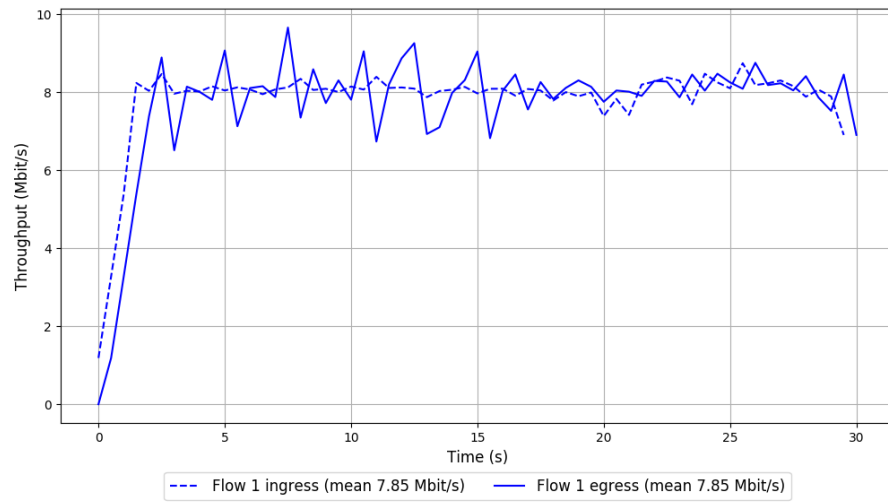


Run 2: Statistics of Sprout

Start at: 2019-02-12 12:11:50
End at: 2019-02-12 12:12:20
Local clock offset: 0.091 ms
Remote clock offset: -1.572 ms

Below is generated by plot.py at 2019-02-12 16:27:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.85 Mbit/s
95th percentile per-packet one-way delay: 55.880 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.85 Mbit/s
95th percentile per-packet one-way delay: 55.880 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

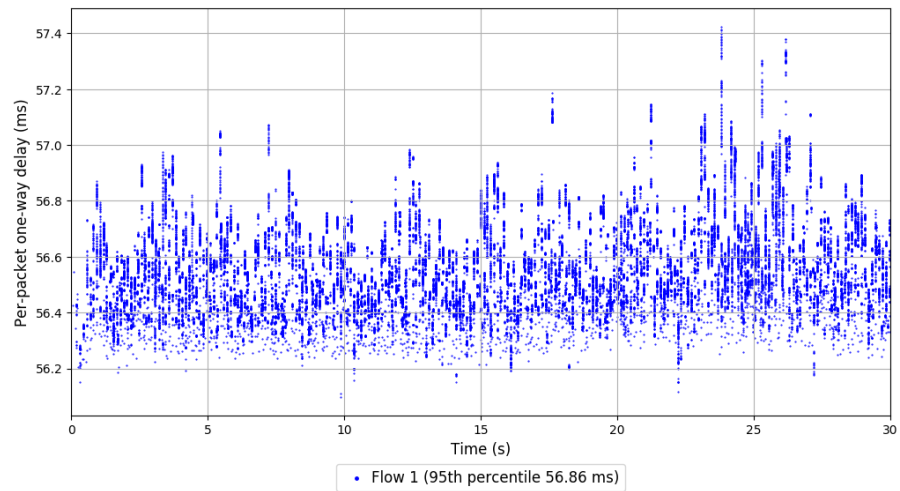
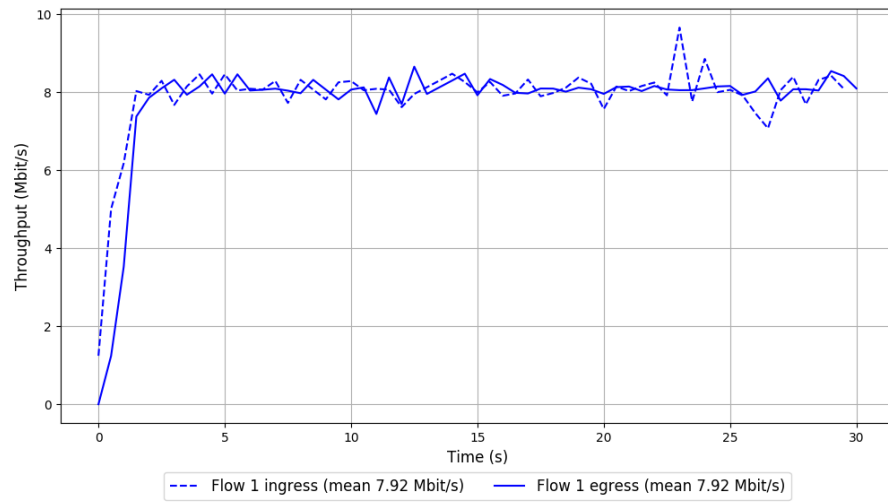


Run 3: Statistics of Sprout

Start at: 2019-02-12 12:46:45
End at: 2019-02-12 12:47:15
Local clock offset: -0.618 ms
Remote clock offset: -1.153 ms

Below is generated by plot.py at 2019-02-12 16:27:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.92 Mbit/s
95th percentile per-packet one-way delay: 56.862 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.92 Mbit/s
95th percentile per-packet one-way delay: 56.862 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2019-02-12 13:20:01

End at: 2019-02-12 13:20:31

Local clock offset: -0.145 ms

Remote clock offset: -0.7 ms

Below is generated by plot.py at 2019-02-12 16:27:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.84 Mbit/s

95th percentile per-packet one-way delay: 57.109 ms

Loss rate: 0.00%

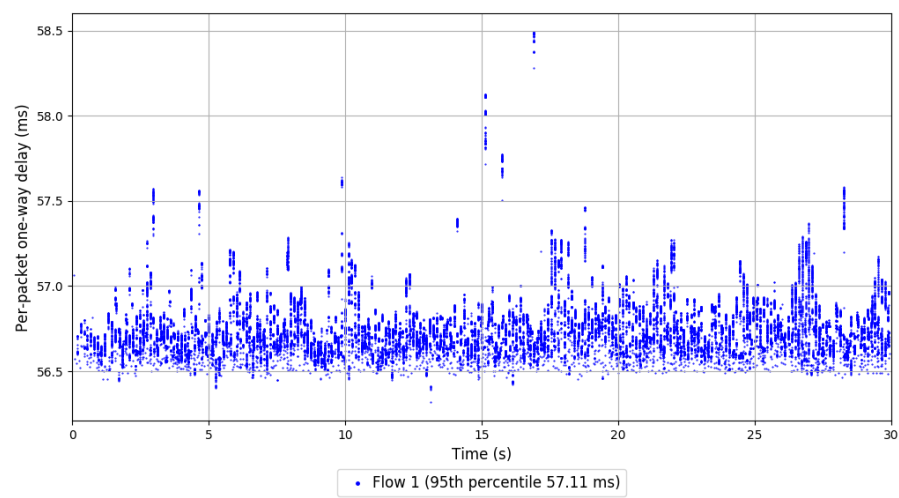
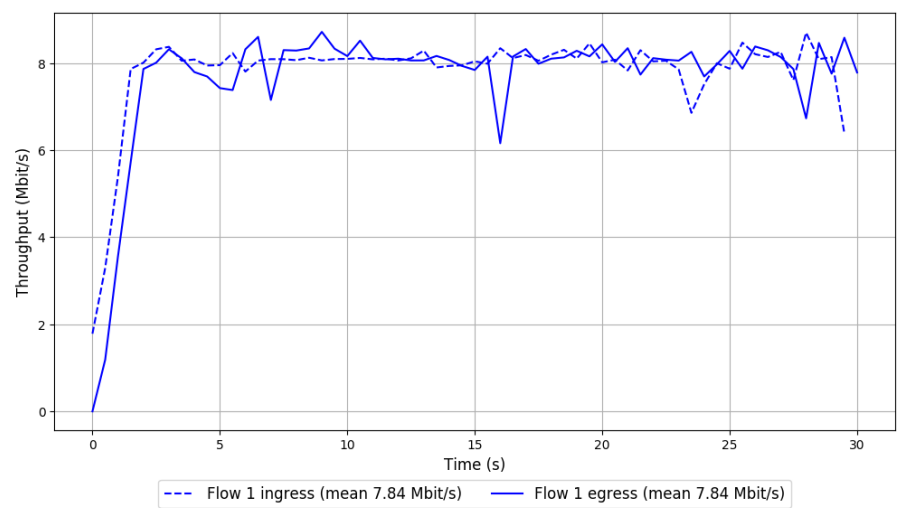
-- Flow 1:

Average throughput: 7.84 Mbit/s

95th percentile per-packet one-way delay: 57.109 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

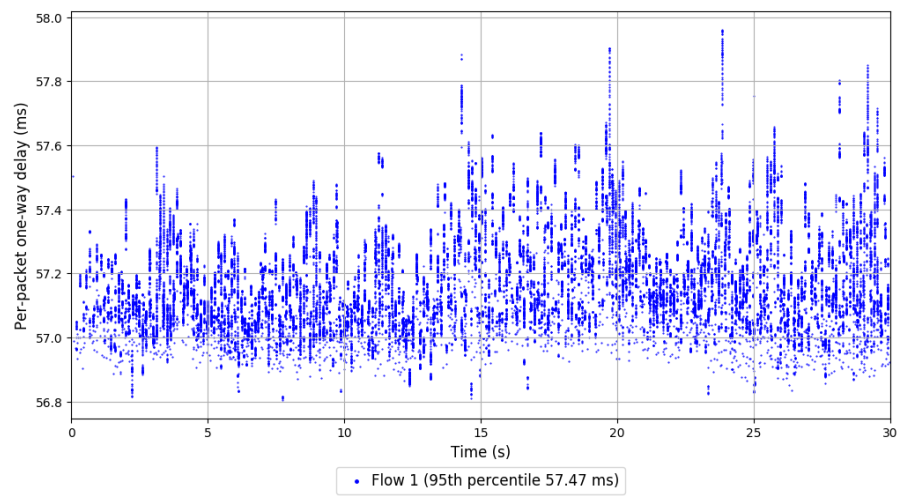
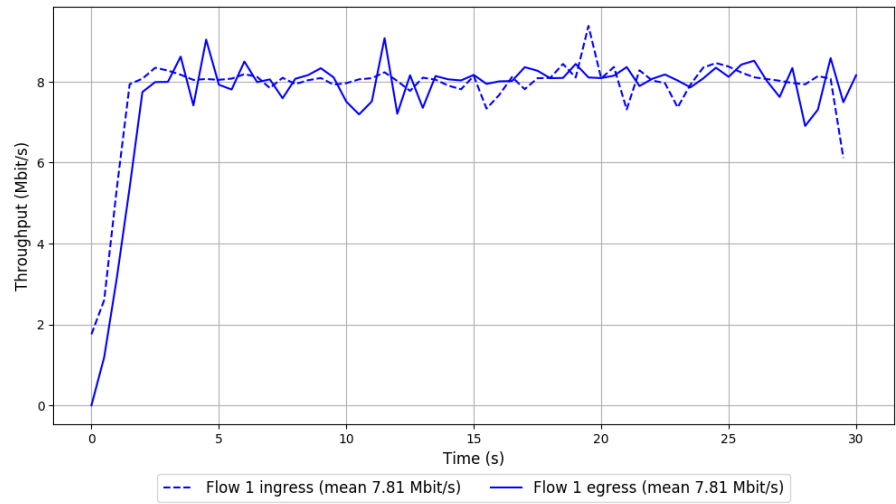


Run 5: Statistics of Sprout

Start at: 2019-02-12 13:54:13
End at: 2019-02-12 13:54:43
Local clock offset: -0.647 ms
Remote clock offset: -0.596 ms

Below is generated by plot.py at 2019-02-12 16:27:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.81 Mbit/s
95th percentile per-packet one-way delay: 57.467 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.81 Mbit/s
95th percentile per-packet one-way delay: 57.467 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

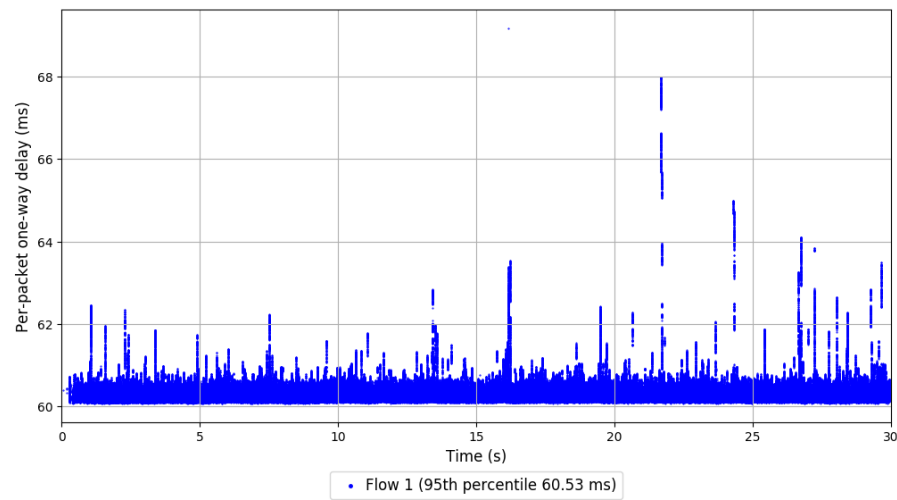
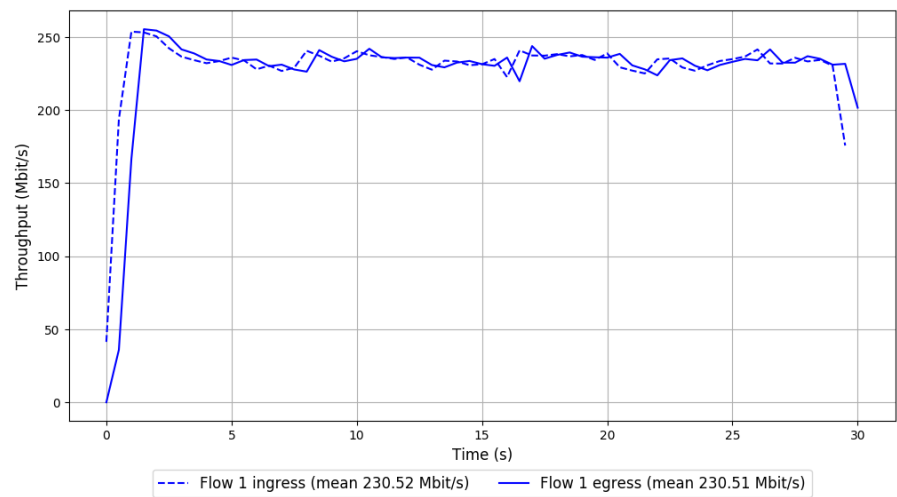


```
Run 1: Statistics of TaoVA-100x

Start at: 2019-02-12 11:15:31
End at: 2019-02-12 11:16:01
Local clock offset: 0.081 ms
Remote clock offset: -0.116 ms

# Below is generated by plot.py at 2019-02-12 16:27:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 230.51 Mbit/s
95th percentile per-packet one-way delay: 60.535 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 230.51 Mbit/s
95th percentile per-packet one-way delay: 60.535 ms
Loss rate: 0.01%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2019-02-12 11:49:44

End at: 2019-02-12 11:50:14

Local clock offset: 0.247 ms

Remote clock offset: -1.41 ms

Below is generated by plot.py at 2019-02-12 16:27:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.09 Mbit/s

95th percentile per-packet one-way delay: 55.893 ms

Loss rate: 0.00%

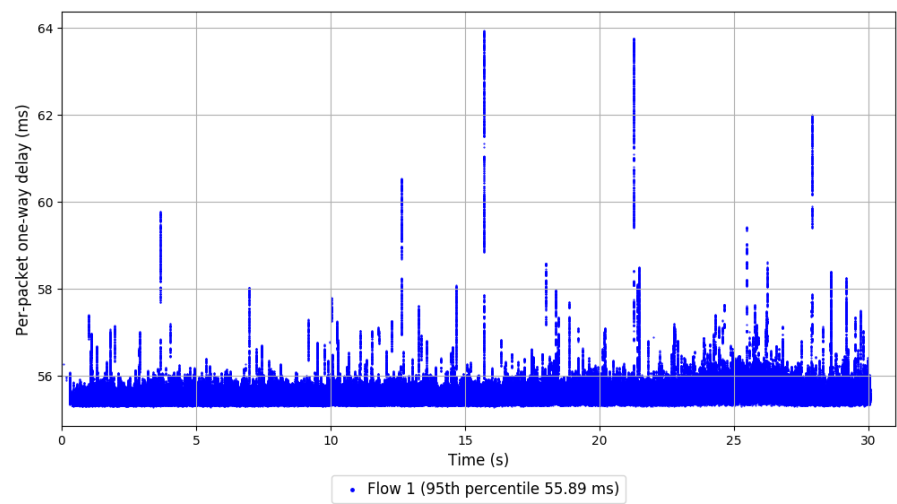
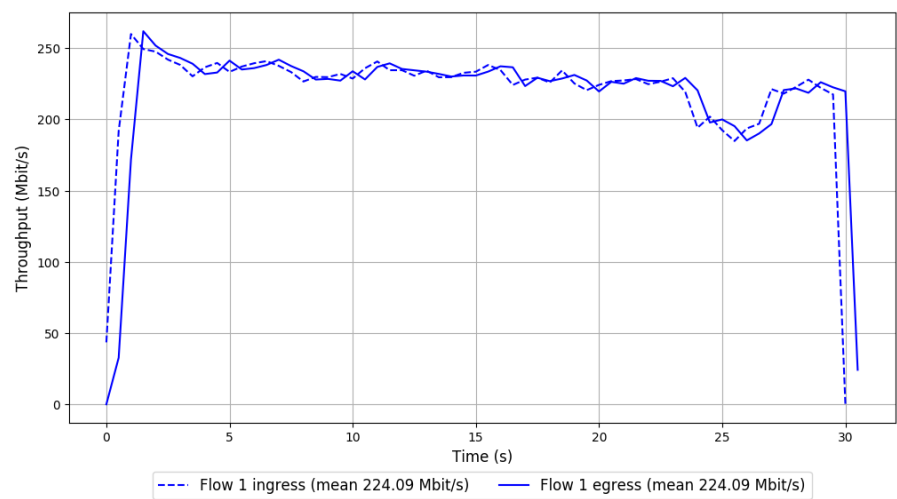
-- Flow 1:

Average throughput: 224.09 Mbit/s

95th percentile per-packet one-way delay: 55.893 ms

Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-02-12 12:24:15

End at: 2019-02-12 12:24:45

Local clock offset: -0.482 ms

Remote clock offset: -0.73 ms

Below is generated by plot.py at 2019-02-12 16:27:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.15 Mbit/s

95th percentile per-packet one-way delay: 57.303 ms

Loss rate: 0.00%

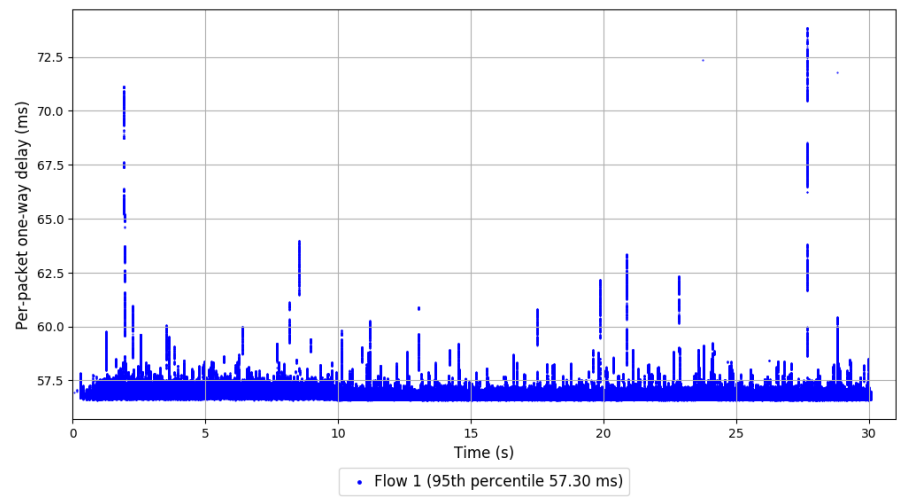
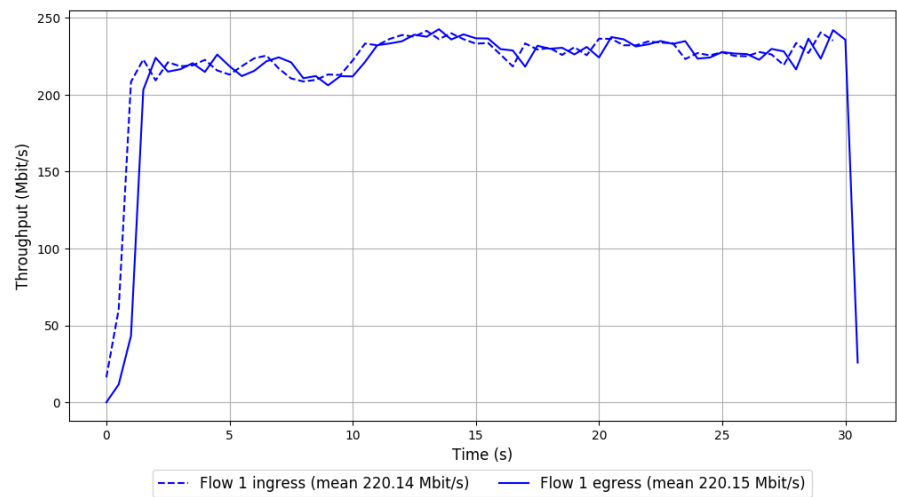
-- Flow 1:

Average throughput: 220.15 Mbit/s

95th percentile per-packet one-way delay: 57.303 ms

Loss rate: 0.00%

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

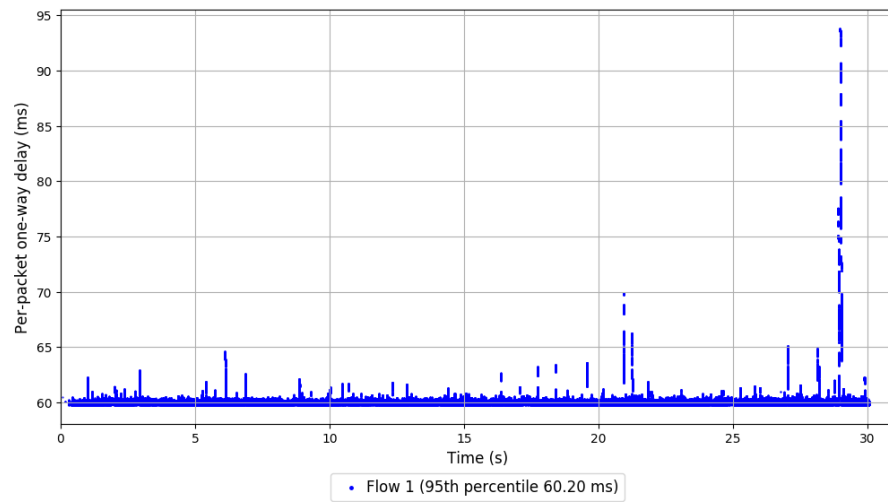
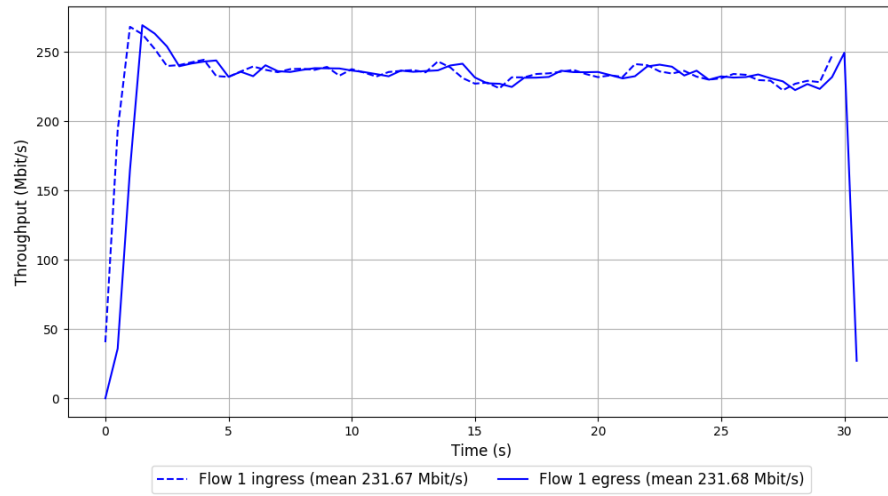


Run 4: Statistics of TaoVA-100x

Start at: 2019-02-12 12:58:40
End at: 2019-02-12 12:59:10
Local clock offset: -0.342 ms
Remote clock offset: -0.782 ms

Below is generated by plot.py at 2019-02-12 16:27:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 231.68 Mbit/s
95th percentile per-packet one-way delay: 60.198 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 231.68 Mbit/s
95th percentile per-packet one-way delay: 60.198 ms
Loss rate: 0.01%

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

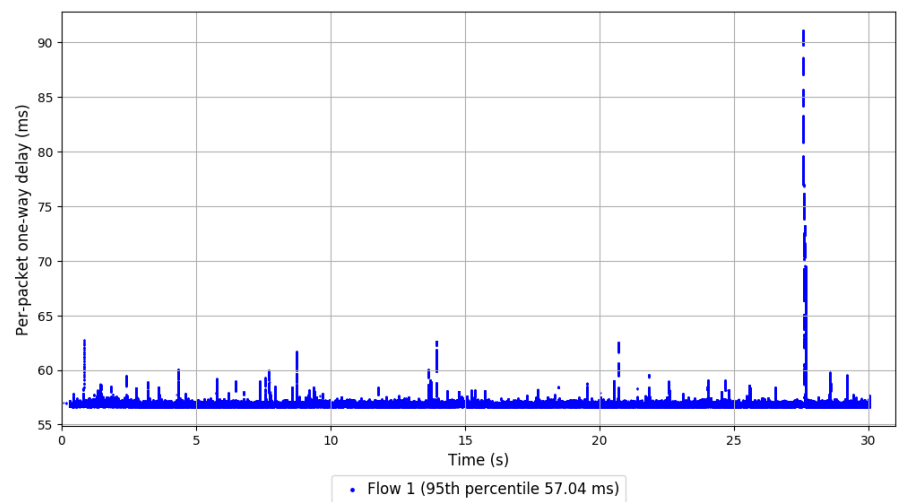
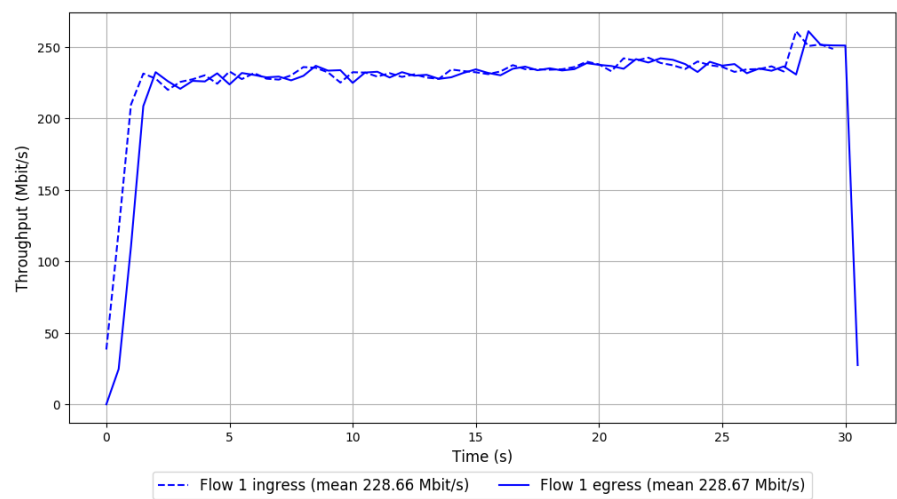


Run 5: Statistics of TaoVA-100x

Start at: 2019-02-12 13:32:17
End at: 2019-02-12 13:32:47
Local clock offset: -0.598 ms
Remote clock offset: -0.745 ms

Below is generated by plot.py at 2019-02-12 16:29:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 228.67 Mbit/s
95th percentile per-packet one-way delay: 57.043 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 228.67 Mbit/s
95th percentile per-packet one-way delay: 57.043 ms
Loss rate: 0.00%

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



Run 1: Statistics of TCP Vegas

Start at: 2019-02-12 11:12:36

End at: 2019-02-12 11:13:06

Local clock offset: -0.503 ms

Remote clock offset: -0.89 ms

Below is generated by plot.py at 2019-02-12 16:31:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 475.40 Mbit/s

95th percentile per-packet one-way delay: 57.902 ms

Loss rate: 0.00%

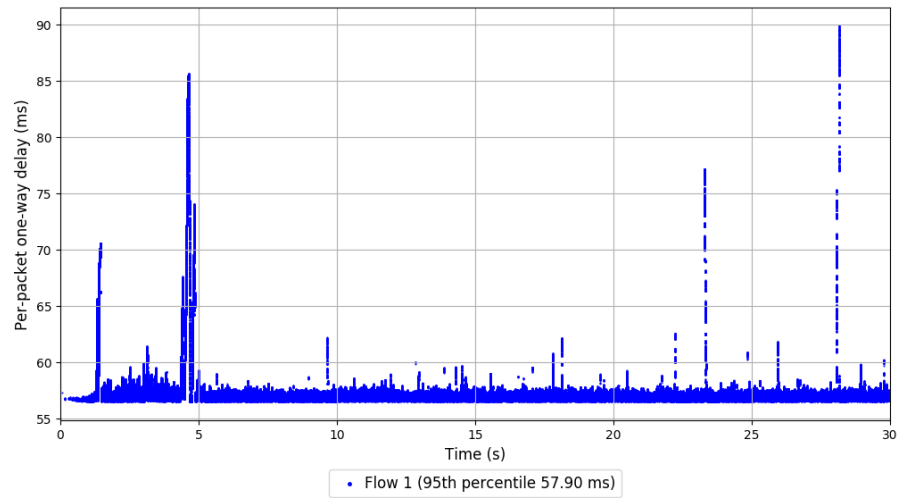
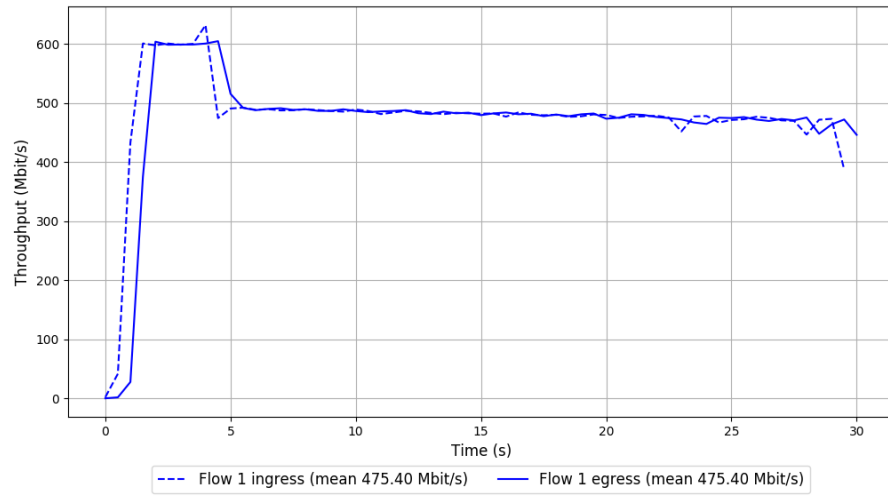
-- Flow 1:

Average throughput: 475.40 Mbit/s

95th percentile per-packet one-way delay: 57.902 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2019-02-12 11:46:29

End at: 2019-02-12 11:46:59

Local clock offset: -0.178 ms

Remote clock offset: 0.51 ms

Below is generated by plot.py at 2019-02-12 16:38:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 473.89 Mbit/s

95th percentile per-packet one-way delay: 58.865 ms

Loss rate: 0.00%

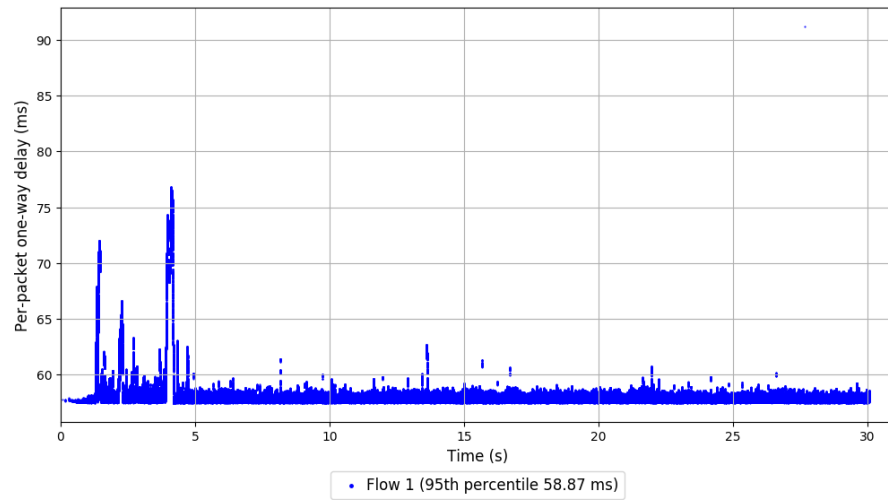
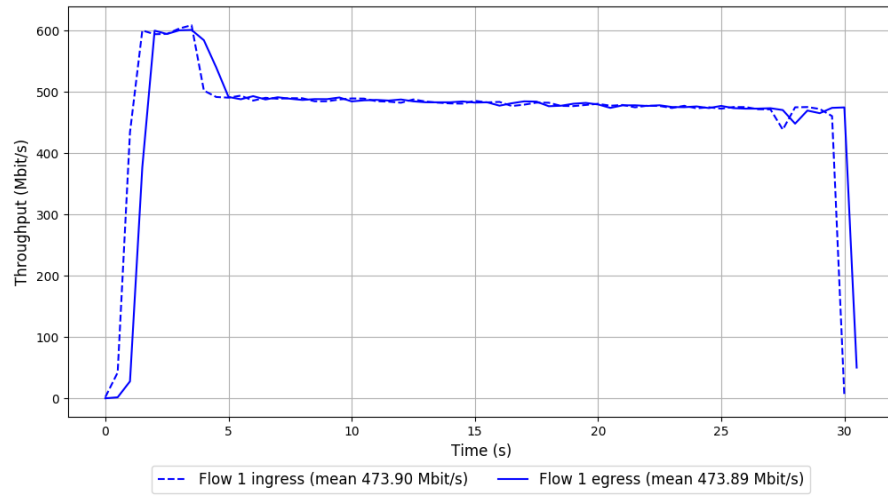
-- Flow 1:

Average throughput: 473.89 Mbit/s

95th percentile per-packet one-way delay: 58.865 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

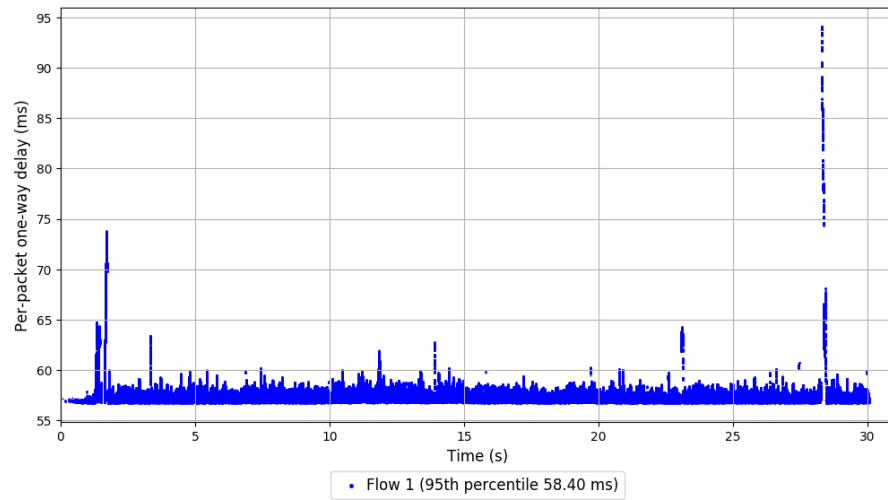
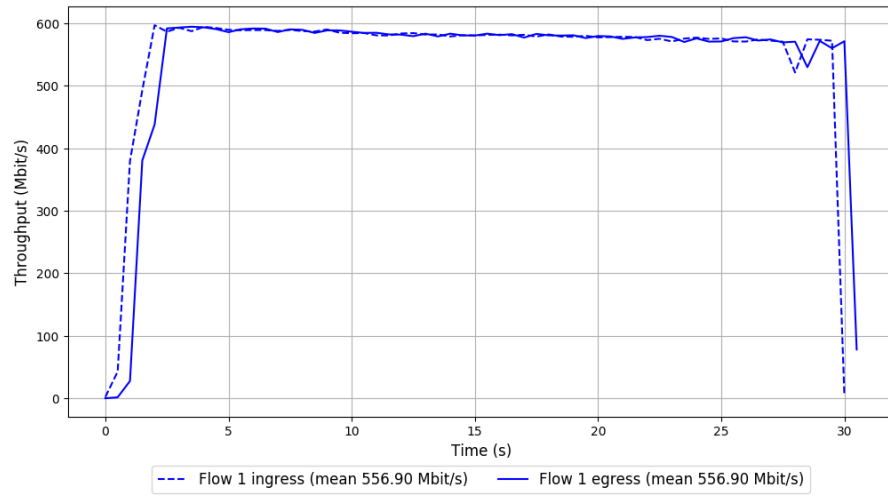


Run 3: Statistics of TCP Vegas

Start at: 2019-02-12 12:20:38
End at: 2019-02-12 12:21:08
Local clock offset: -0.603 ms
Remote clock offset: -0.694 ms

Below is generated by plot.py at 2019-02-12 16:41:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 556.90 Mbit/s
95th percentile per-packet one-way delay: 58.397 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 556.90 Mbit/s
95th percentile per-packet one-way delay: 58.397 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

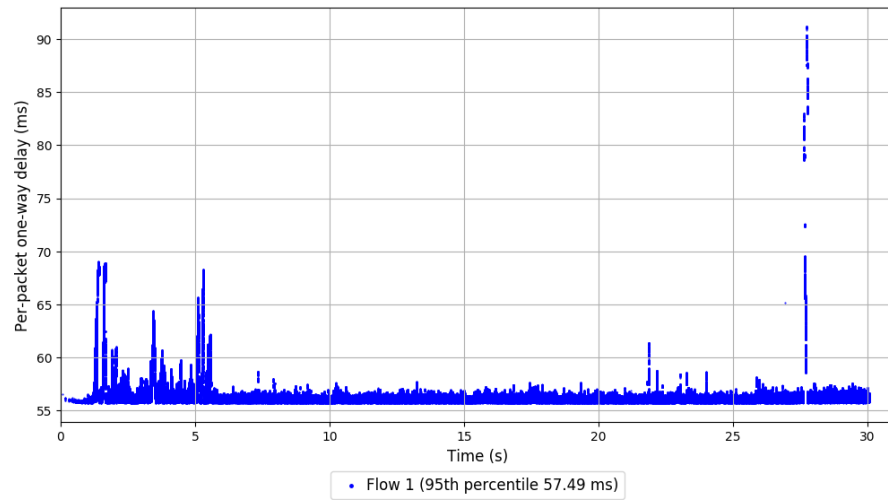
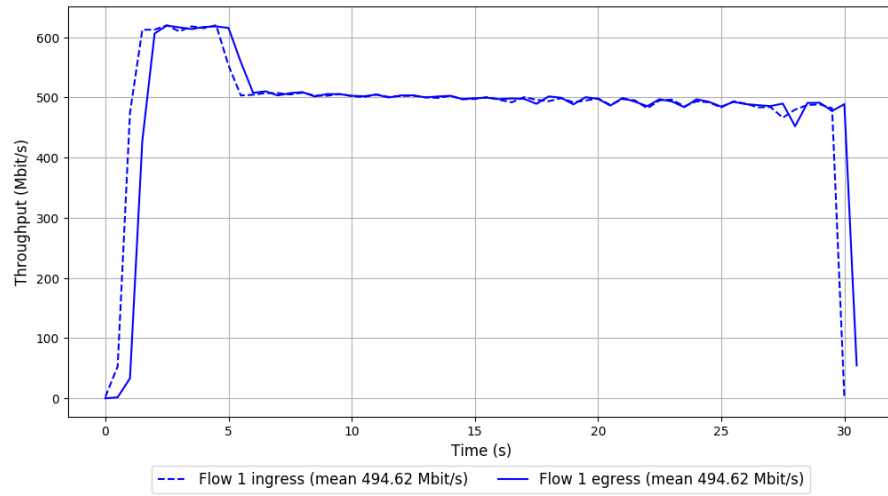


Run 4: Statistics of TCP Vegas

Start at: 2019-02-12 12:55:31
End at: 2019-02-12 12:56:01
Local clock offset: 0.227 ms
Remote clock offset: -0.652 ms

Below is generated by plot.py at 2019-02-12 16:41:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 494.62 Mbit/s
95th percentile per-packet one-way delay: 57.492 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 494.62 Mbit/s
95th percentile per-packet one-way delay: 57.492 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

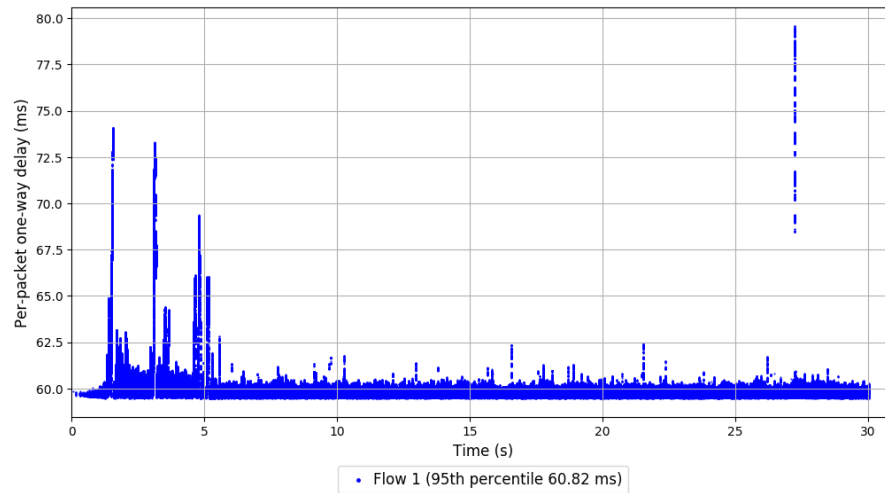
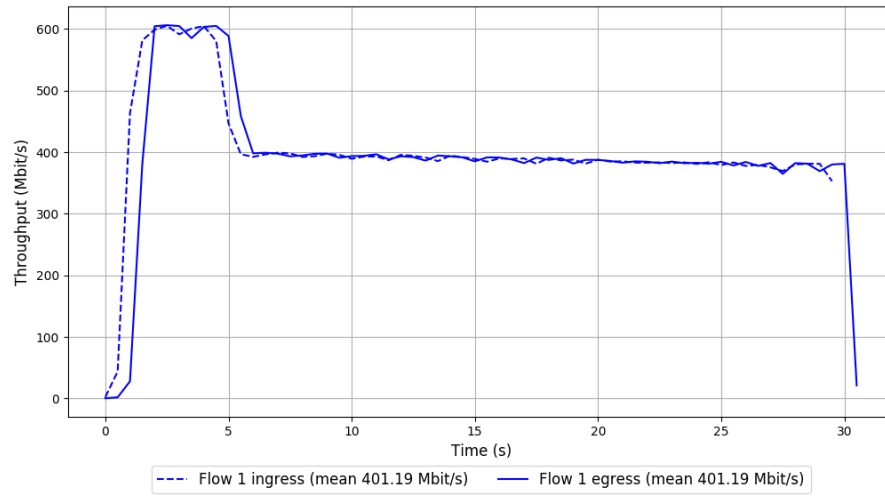


Run 5: Statistics of TCP Vegas

Start at: 2019-02-12 13:28:55
End at: 2019-02-12 13:29:25
Local clock offset: 0.283 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2019-02-12 16:41:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 401.19 Mbit/s
95th percentile per-packet one-way delay: 60.820 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 401.19 Mbit/s
95th percentile per-packet one-way delay: 60.820 ms
Loss rate: 0.01%

Run 5: Report of TCP Vegas — Data Link

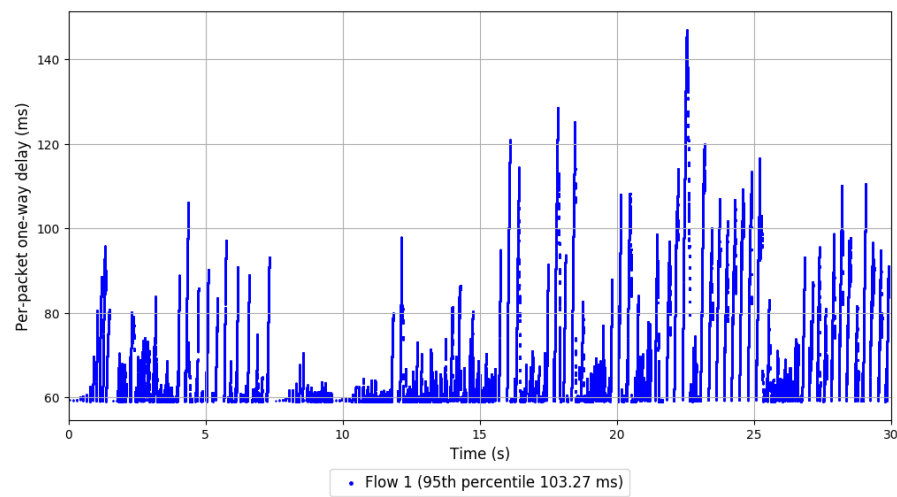
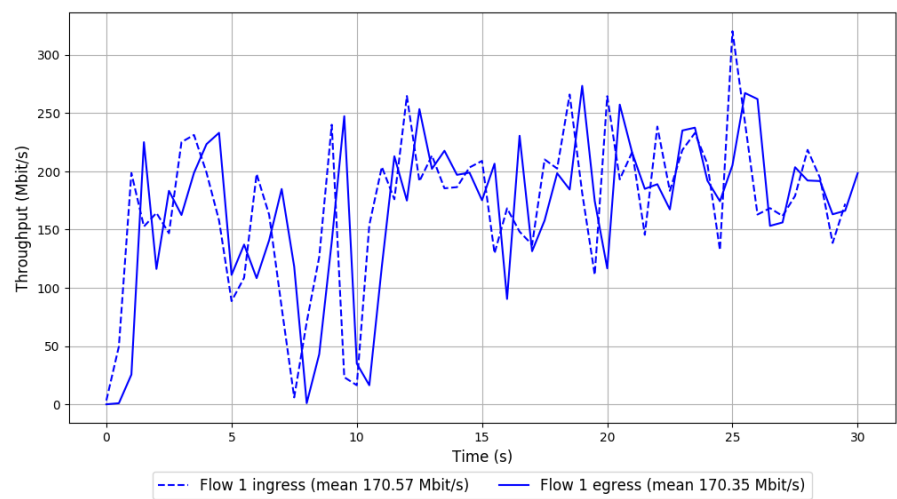


Run 1: Statistics of Verus

Start at: 2019-02-12 11:20:02
End at: 2019-02-12 11:20:32
Local clock offset: -0.161 ms
Remote clock offset: -1.487 ms

Below is generated by plot.py at 2019-02-12 16:41:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 170.35 Mbit/s
95th percentile per-packet one-way delay: 103.266 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 170.35 Mbit/s
95th percentile per-packet one-way delay: 103.266 ms
Loss rate: 0.04%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2019-02-12 11:54:15

End at: 2019-02-12 11:54:45

Local clock offset: 0.175 ms

Remote clock offset: -0.55 ms

Below is generated by plot.py at 2019-02-12 16:42:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 203.78 Mbit/s

95th percentile per-packet one-way delay: 217.441 ms

Loss rate: 8.75%

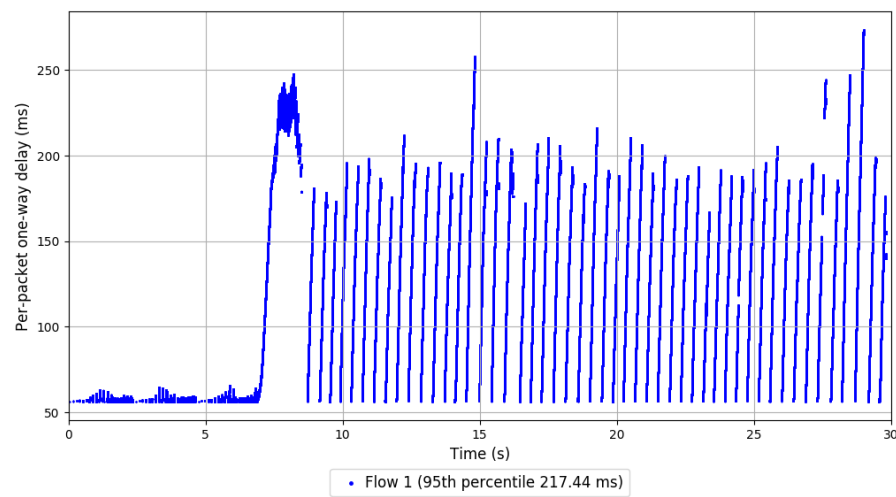
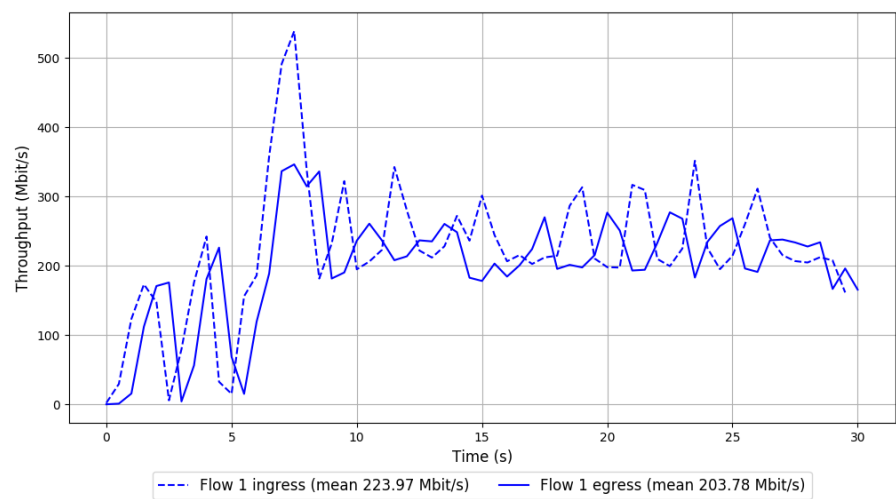
-- Flow 1:

Average throughput: 203.78 Mbit/s

95th percentile per-packet one-way delay: 217.441 ms

Loss rate: 8.75%

Run 2: Report of Verus — Data Link

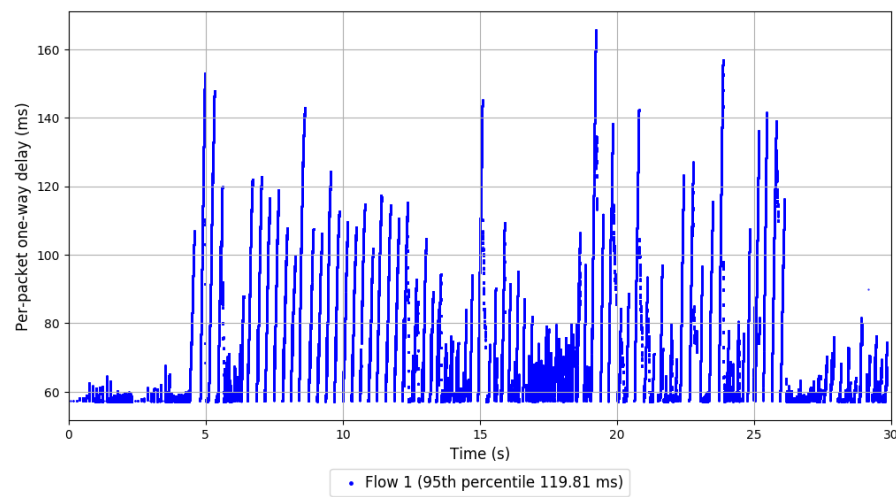
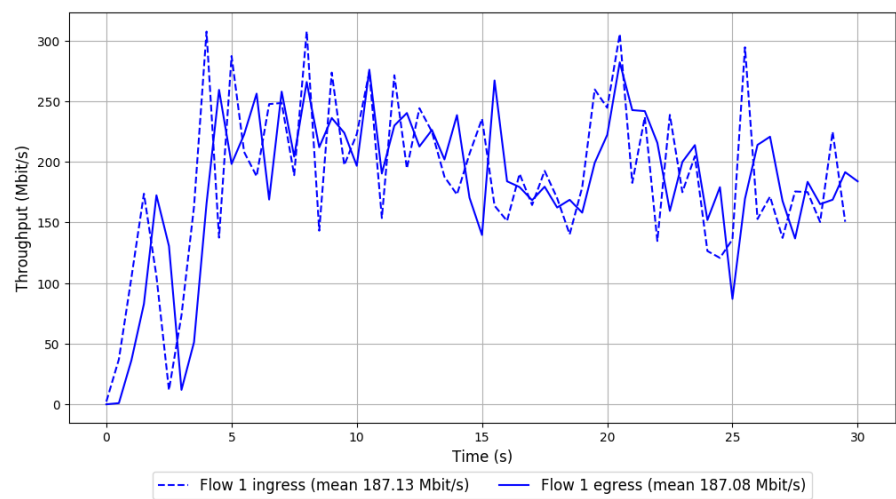


Run 3: Statistics of Verus

Start at: 2019-02-12 12:28:48
End at: 2019-02-12 12:29:18
Local clock offset: -0.37 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2019-02-12 16:42:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 187.08 Mbit/s
95th percentile per-packet one-way delay: 119.805 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 187.08 Mbit/s
95th percentile per-packet one-way delay: 119.805 ms
Loss rate: 0.01%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2019-02-12 13:03:04

End at: 2019-02-12 13:03:34

Local clock offset: 0.068 ms

Remote clock offset: 0.623 ms

Below is generated by plot.py at 2019-02-12 16:43:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.97 Mbit/s

95th percentile per-packet one-way delay: 217.404 ms

Loss rate: 9.84%

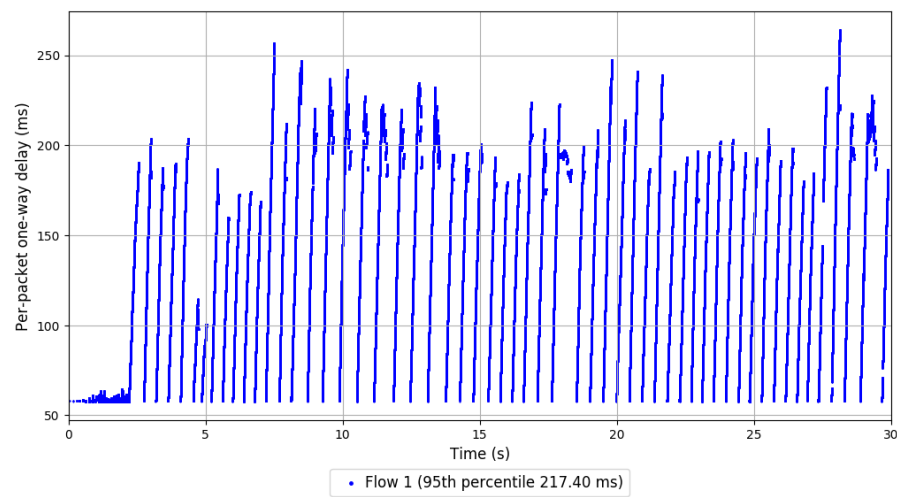
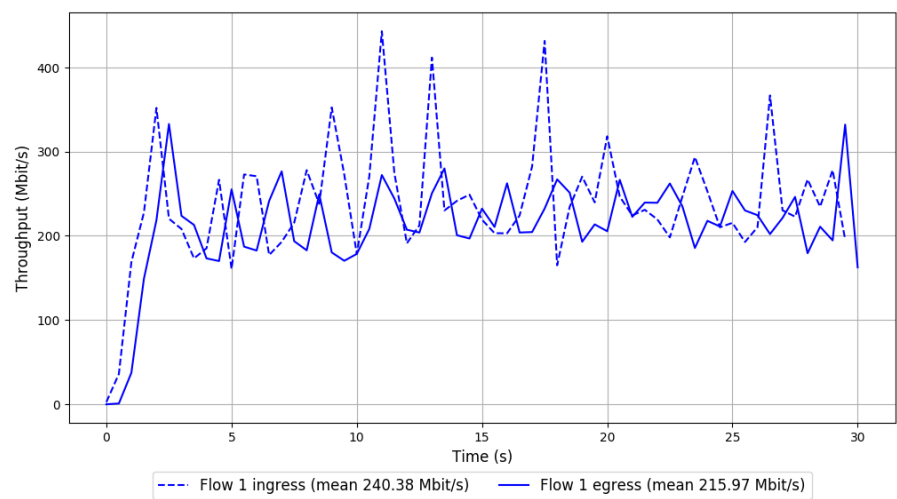
-- Flow 1:

Average throughput: 215.97 Mbit/s

95th percentile per-packet one-way delay: 217.404 ms

Loss rate: 9.84%

Run 4: Report of Verus — Data Link

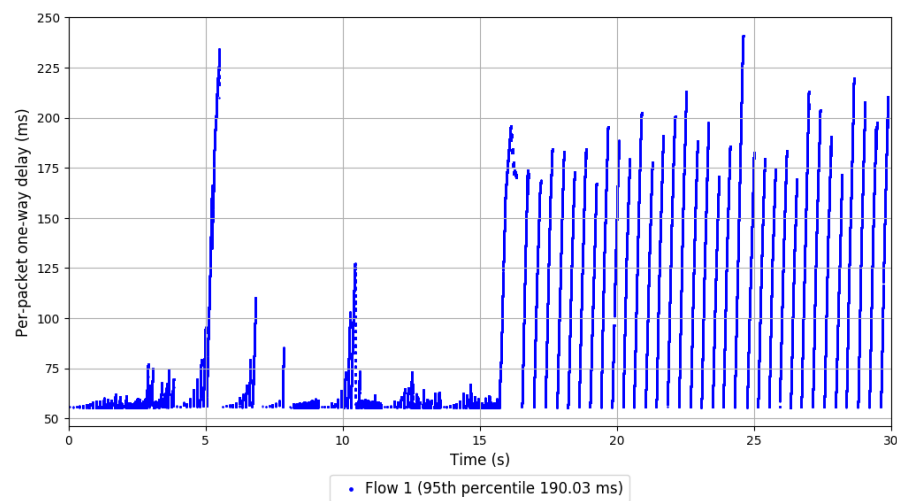
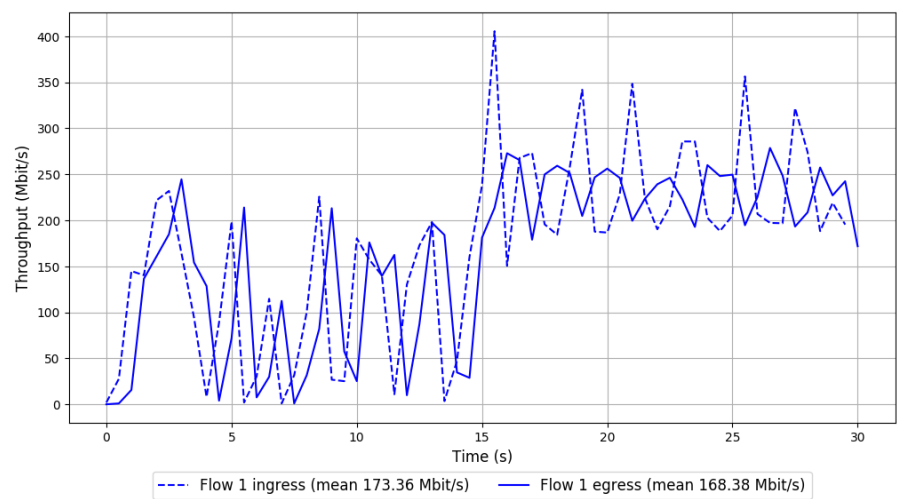


Run 5: Statistics of Verus

Start at: 2019-02-12 13:36:47
End at: 2019-02-12 13:37:17
Local clock offset: -0.216 ms
Remote clock offset: -1.339 ms

Below is generated by plot.py at 2019-02-12 16:44:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 168.38 Mbit/s
95th percentile per-packet one-way delay: 190.030 ms
Loss rate: 2.40%
-- Flow 1:
Average throughput: 168.38 Mbit/s
95th percentile per-packet one-way delay: 190.030 ms
Loss rate: 2.40%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-02-12 11:18:14

End at: 2019-02-12 11:18:44

Local clock offset: 0.181 ms

Remote clock offset: 1.057 ms

Below is generated by plot.py at 2019-02-12 16:46:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 385.10 Mbit/s

95th percentile per-packet one-way delay: 62.668 ms

Loss rate: 0.01%

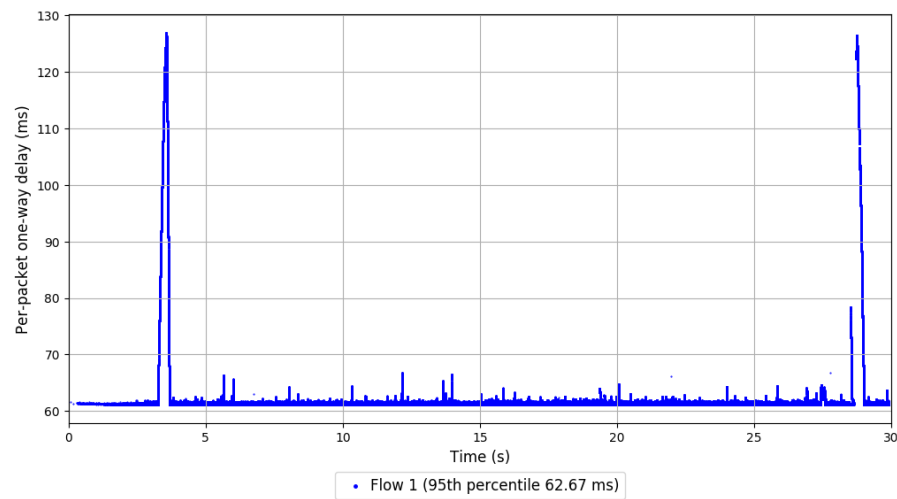
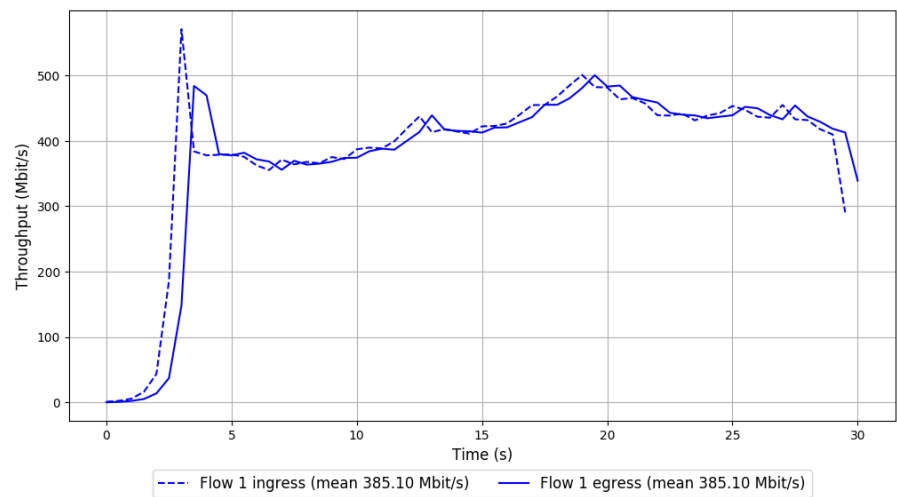
-- Flow 1:

Average throughput: 385.10 Mbit/s

95th percentile per-packet one-way delay: 62.668 ms

Loss rate: 0.01%

Run 1: Report of PCC-Vivace — Data Link

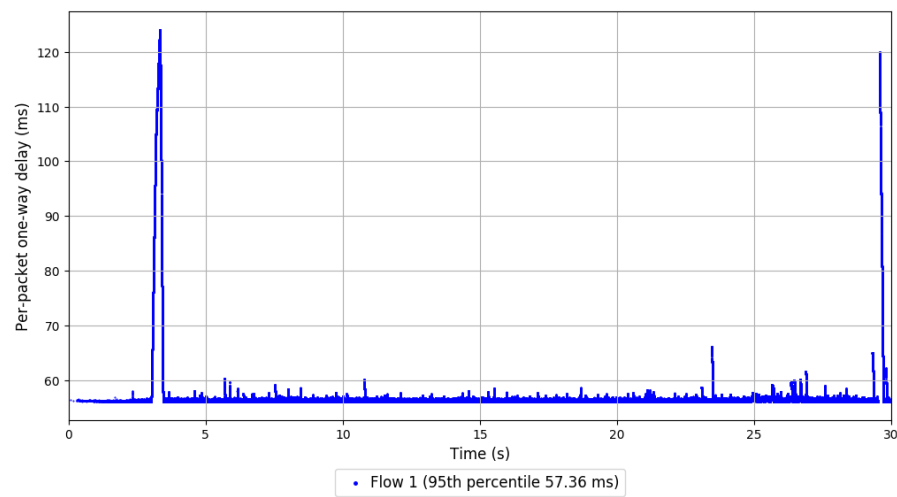
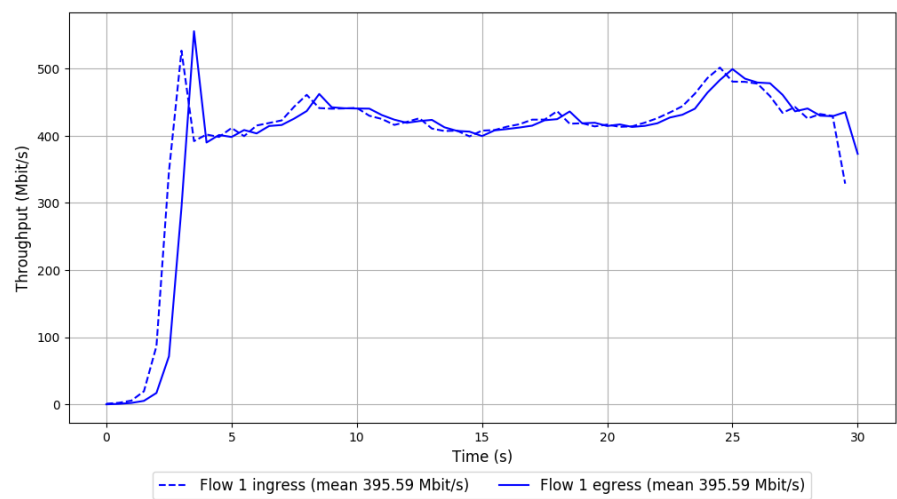


Run 2: Statistics of PCC-Vivace

Start at: 2019-02-12 11:52:30
End at: 2019-02-12 11:53:00
Local clock offset: -0.153 ms
Remote clock offset: -0.878 ms

Below is generated by plot.py at 2019-02-12 16:47:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 395.59 Mbit/s
95th percentile per-packet one-way delay: 57.363 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 395.59 Mbit/s
95th percentile per-packet one-way delay: 57.363 ms
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-02-12 12:27:07

End at: 2019-02-12 12:27:37

Local clock offset: 0.167 ms

Remote clock offset: -1.425 ms

Below is generated by plot.py at 2019-02-12 16:47:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 376.01 Mbit/s

95th percentile per-packet one-way delay: 55.982 ms

Loss rate: 0.00%

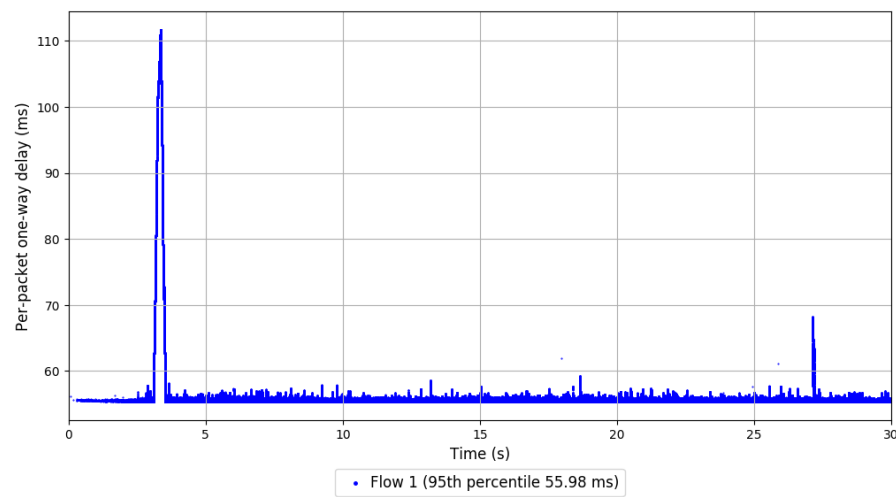
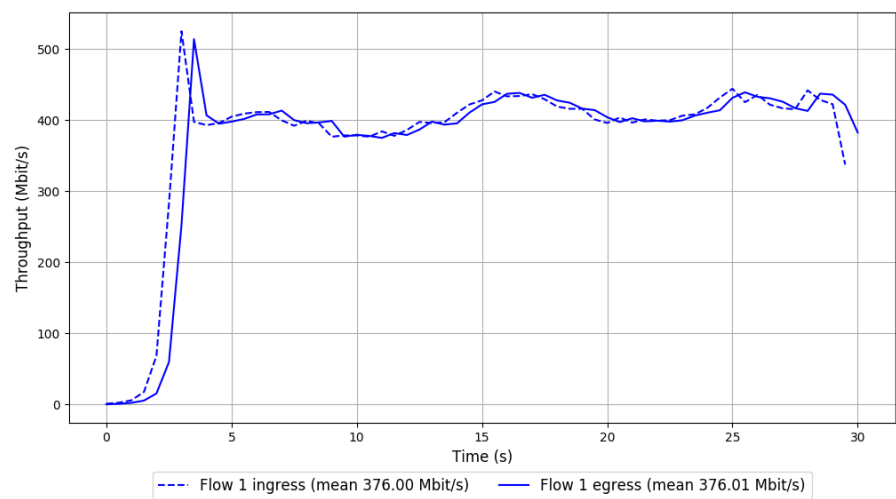
-- Flow 1:

Average throughput: 376.01 Mbit/s

95th percentile per-packet one-way delay: 55.982 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

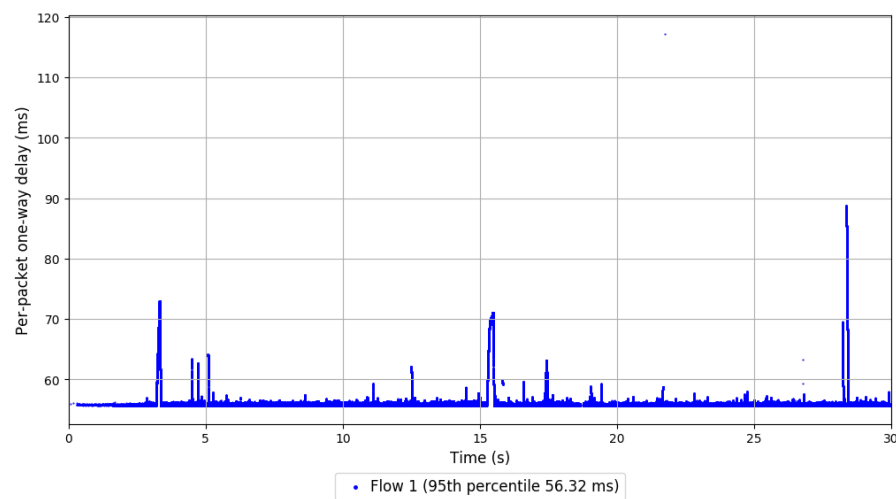
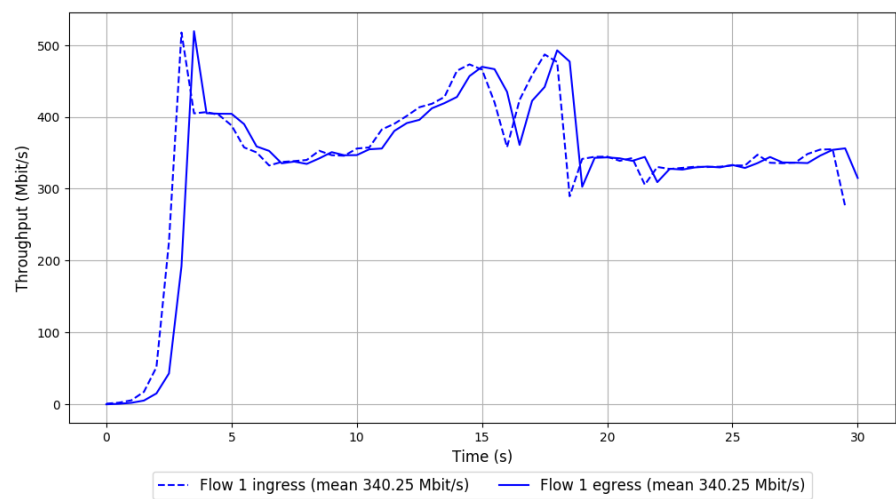


Run 4: Statistics of PCC-Vivace

Start at: 2019-02-12 13:01:31
End at: 2019-02-12 13:02:01
Local clock offset: -0.154 ms
Remote clock offset: -1.329 ms

Below is generated by plot.py at 2019-02-12 16:47:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 340.25 Mbit/s
95th percentile per-packet one-way delay: 56.321 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 340.25 Mbit/s
95th percentile per-packet one-way delay: 56.321 ms
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-02-12 13:35:05

End at: 2019-02-12 13:35:35

Local clock offset: 0.12 ms

Remote clock offset: 0.195 ms

Below is generated by plot.py at 2019-02-12 16:47:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 388.94 Mbit/s

95th percentile per-packet one-way delay: 57.529 ms

Loss rate: 0.00%

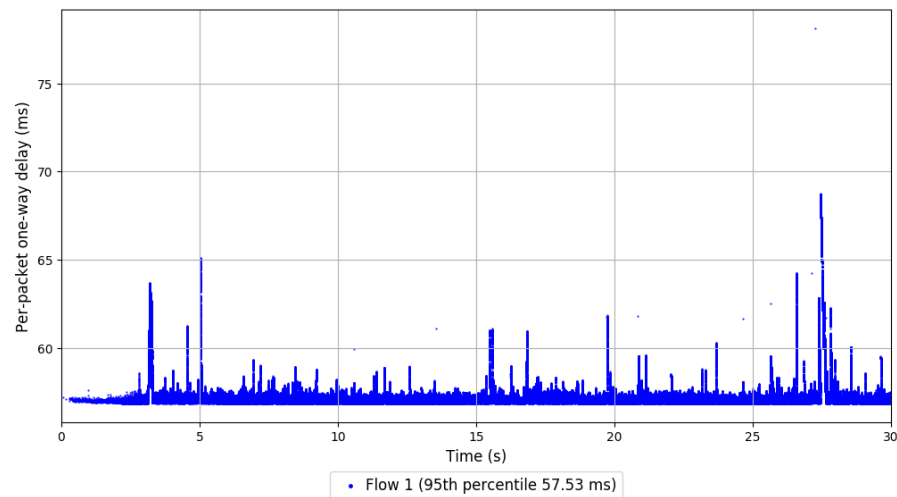
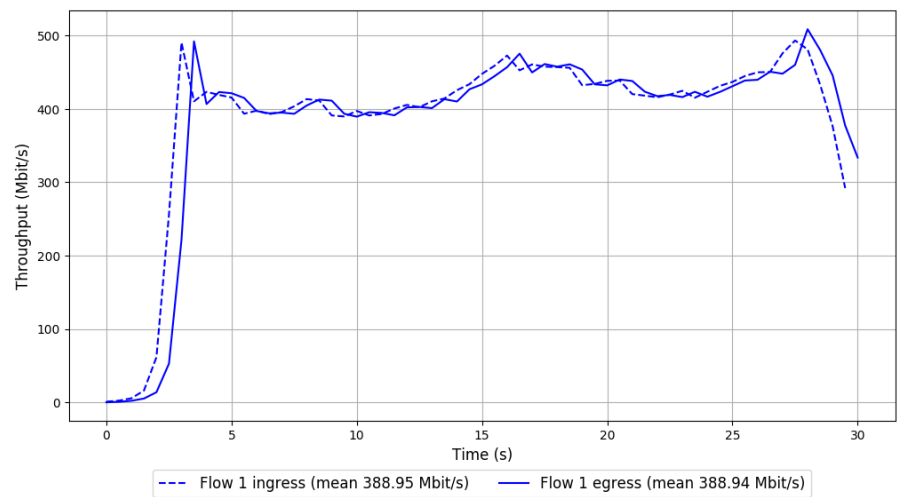
-- Flow 1:

Average throughput: 388.94 Mbit/s

95th percentile per-packet one-way delay: 57.529 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2019-02-12 11:23:26

End at: 2019-02-12 11:23:56

Local clock offset: -0.181 ms

Remote clock offset: 1.338 ms

Below is generated by plot.py at 2019-02-12 16:47:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 58.818 ms

Loss rate: 0.00%

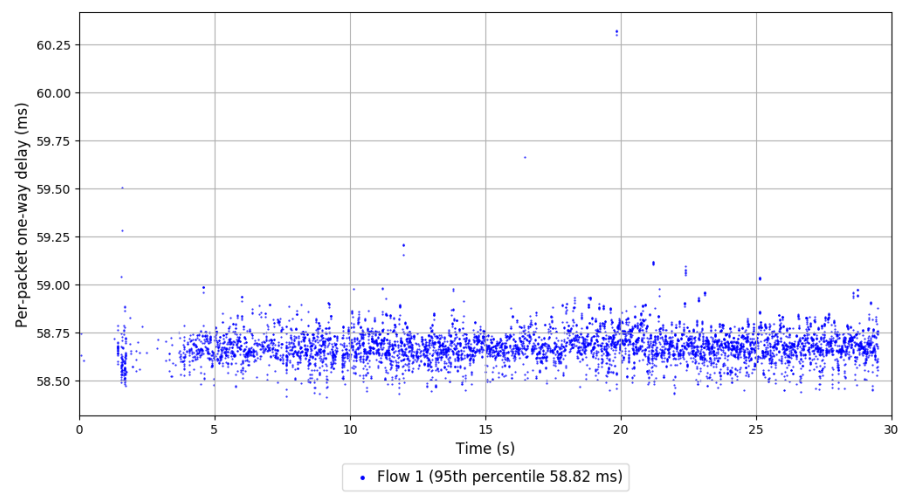
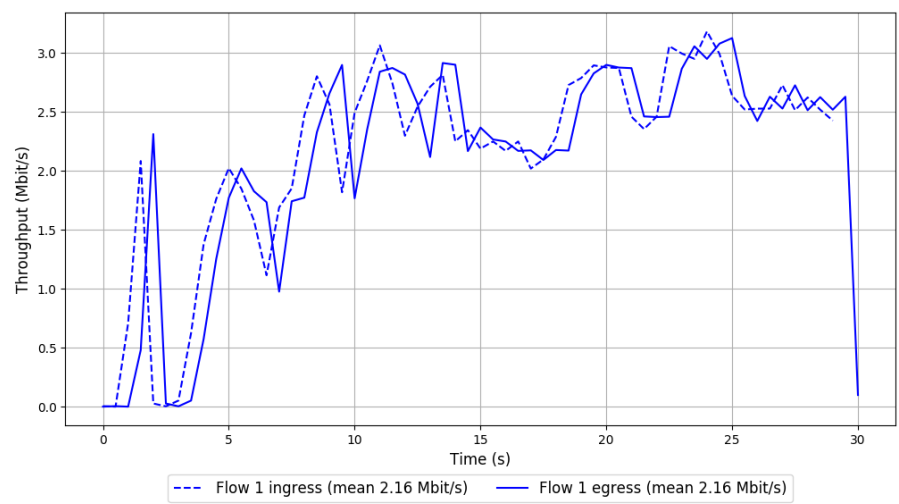
-- Flow 1:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 58.818 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

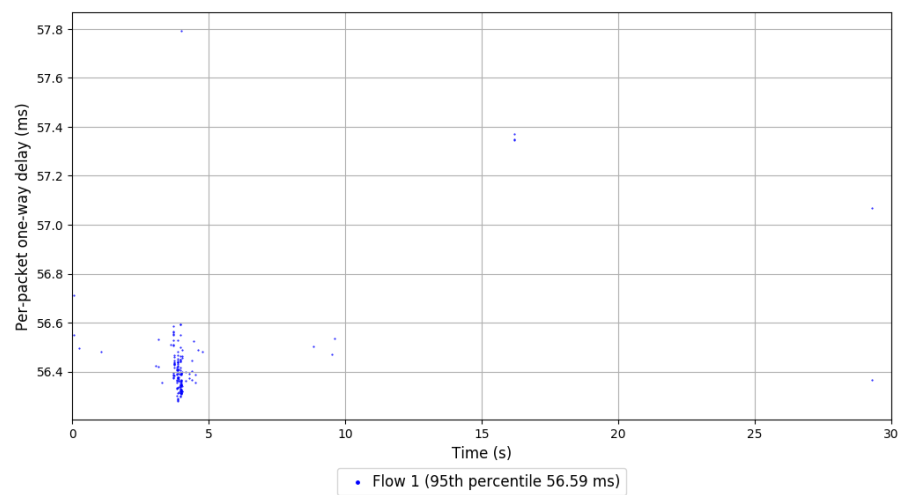
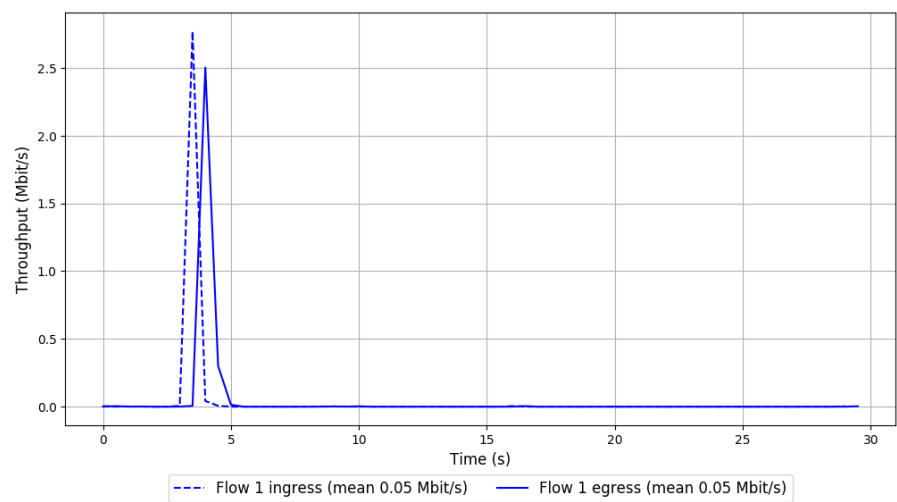


Run 2: Statistics of WebRTC media

Start at: 2019-02-12 11:57:39
End at: 2019-02-12 11:58:09
Local clock offset: -0.183 ms
Remote clock offset: -0.869 ms

Below is generated by plot.py at 2019-02-12 16:47:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 56.585 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 56.585 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

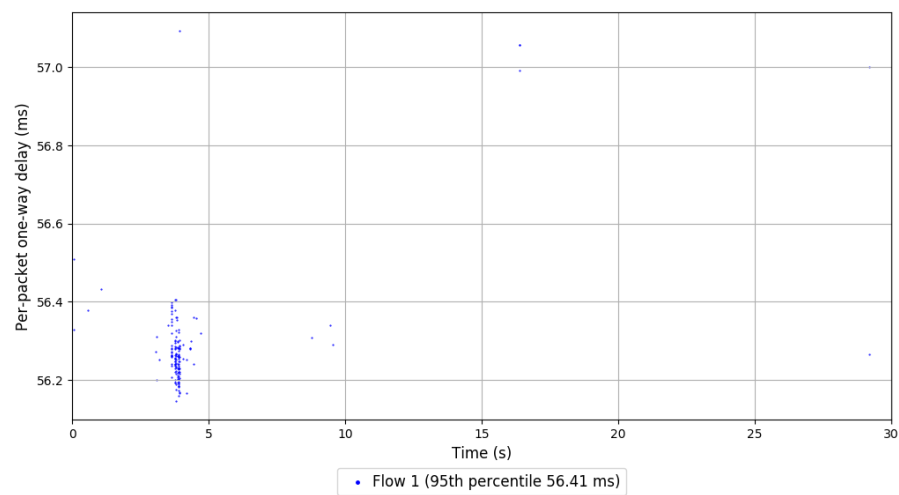
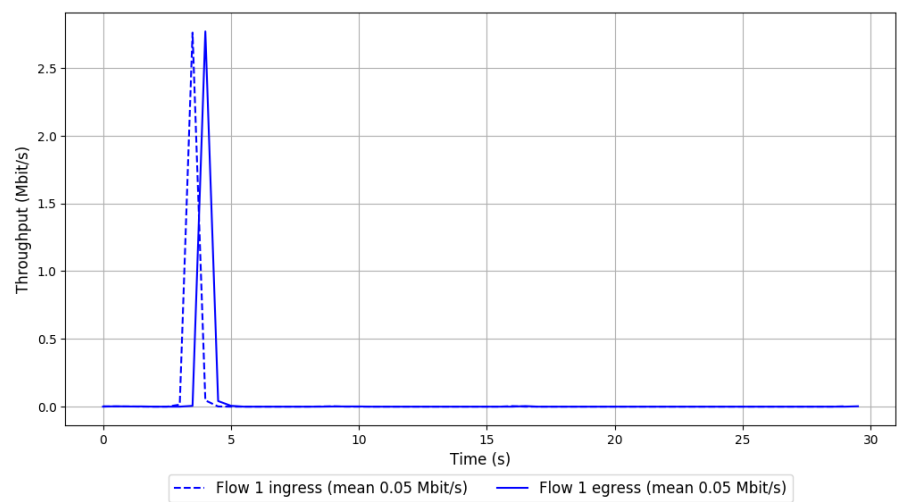


Run 3: Statistics of WebRTC media

Start at: 2019-02-12 12:32:25
End at: 2019-02-12 12:32:55
Local clock offset: -0.03 ms
Remote clock offset: -0.761 ms

Below is generated by plot.py at 2019-02-12 16:47:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 56.405 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 56.405 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-02-12 13:06:13

End at: 2019-02-12 13:06:43

Local clock offset: -0.113 ms

Remote clock offset: 0.658 ms

Below is generated by plot.py at 2019-02-12 16:47:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.17 Mbit/s

95th percentile per-packet one-way delay: 58.199 ms

Loss rate: 0.00%

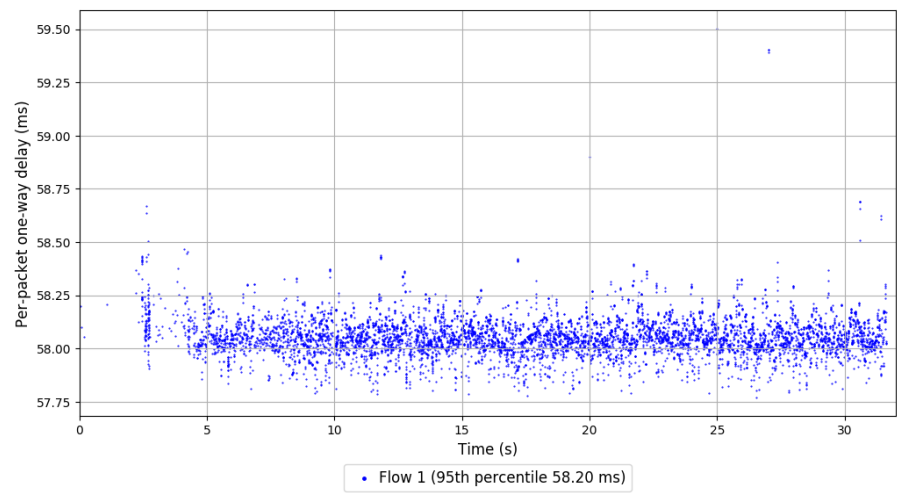
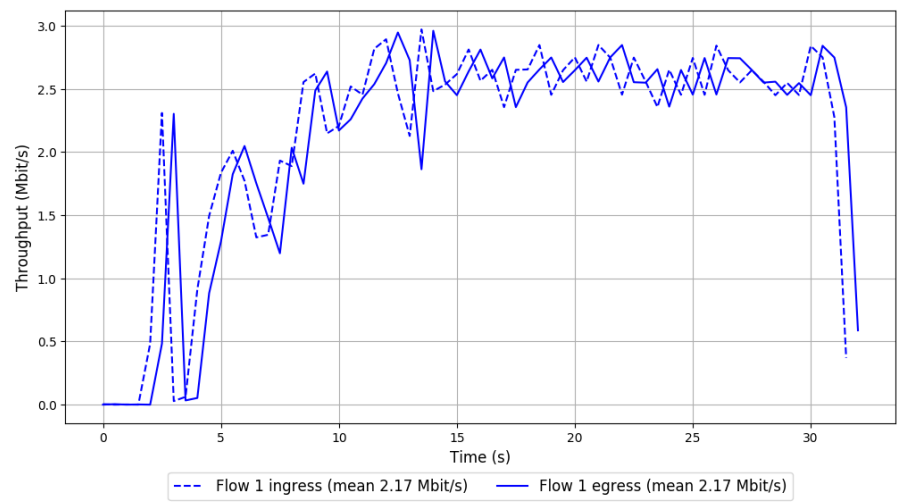
-- Flow 1:

Average throughput: 2.17 Mbit/s

95th percentile per-packet one-way delay: 58.199 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-02-12 13:40:21
End at: 2019-02-12 13:40:51
Local clock offset: -0.219 ms
Remote clock offset: -1.278 ms

Below is generated by plot.py at 2019-02-12 16:47:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 56.104 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 56.104 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

