

Pantheon Report

Generated at 2019-03-09 21:17:11 (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:

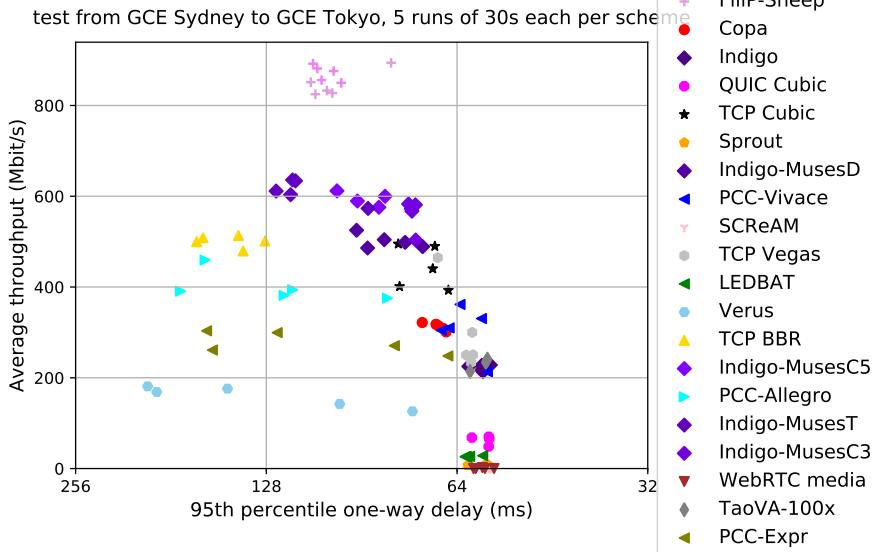
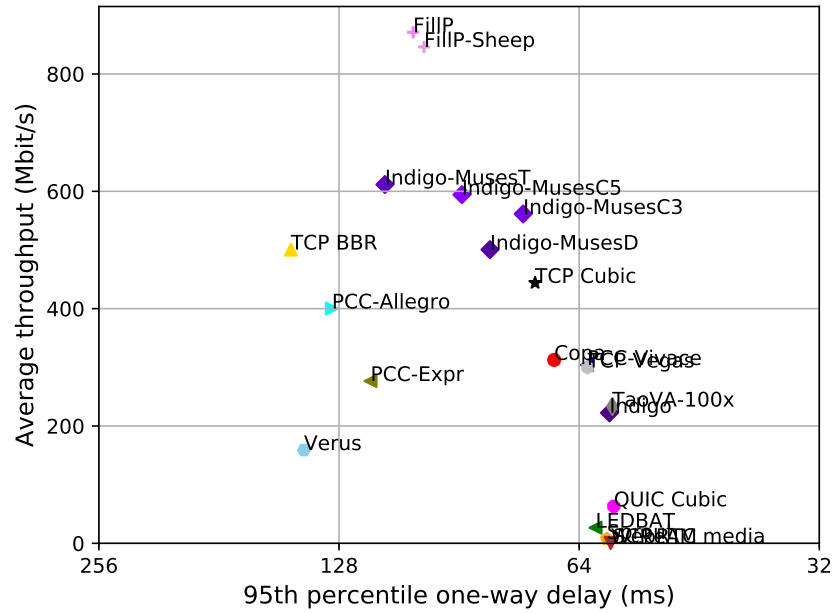
```
Linux 4.15.0-1026-gcp
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

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	500.67	147.09	0.29
Copa	5	312.61	68.78	0.00
TCP Cubic	5	443.89	72.69	0.03
FillP	5	871.09	103.36	0.28
FillP-Sheep	5	846.10	100.15	0.31
Indigo	5	222.34	58.64	0.01
Indigo-MusesC3	5	561.41	75.23	0.01
Indigo-MusesC5	4	594.25	89.78	0.07
Indigo-MusesD	5	500.54	82.80	0.04
Indigo-MusesT	5	611.58	112.12	0.10
LEDBAT	5	26.65	61.05	0.06
PCC-Allegro	5	400.24	130.67	0.83
PCC-Expr	5	276.59	116.88	1.00
QUIC Cubic	4	63.07	57.91	0.00
SCReAM	5	0.22	58.12	0.05
Sprout	5	7.48	59.07	0.01
TaoVA-100x	5	233.09	58.17	0.01
TCP Vegas	5	299.71	62.46	0.01
Verus	5	158.88	141.66	0.82
PCC-Vivace	5	304.00	62.57	0.00
WebRTC media	5	0.47	58.44	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-03-09 16:41:38

End at: 2019-03-09 16:42:08

Local clock offset: -0.2 ms

Remote clock offset: -0.081 ms

Below is generated by plot.py at 2019-03-09 19:42:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 479.67 Mbit/s

95th percentile per-packet one-way delay: 139.244 ms

Loss rate: 0.26%

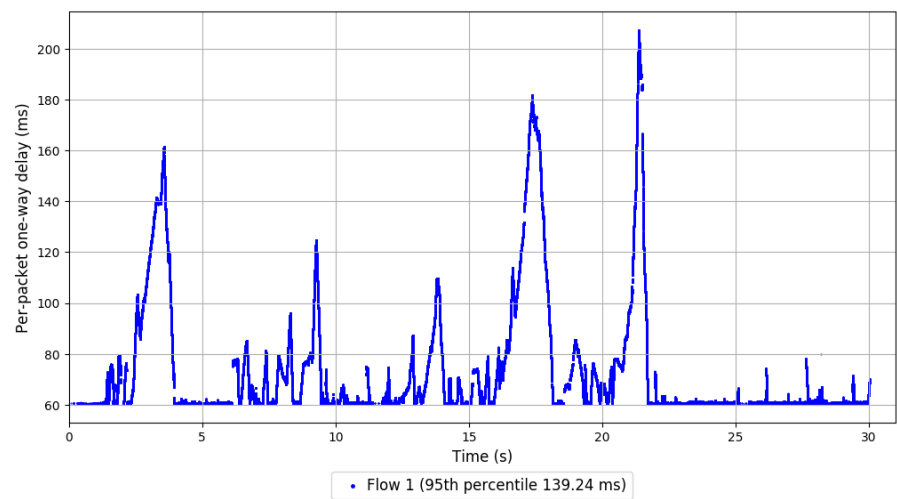
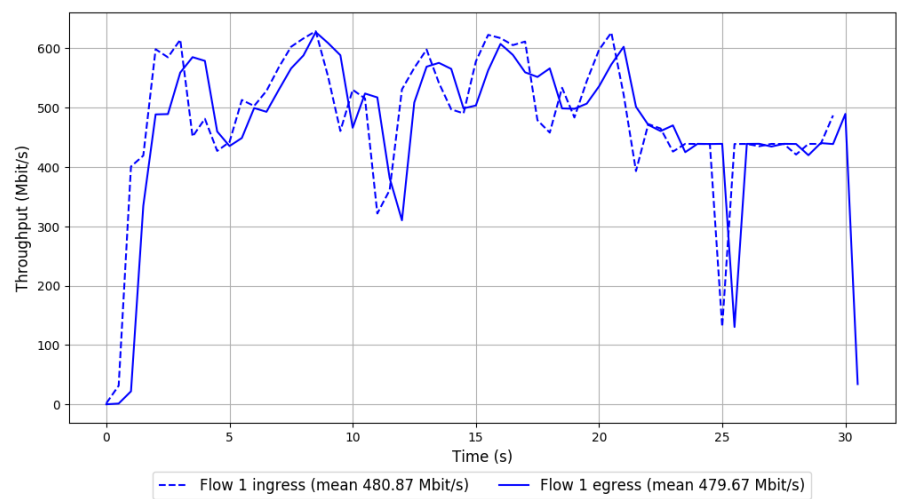
-- Flow 1:

Average throughput: 479.67 Mbit/s

95th percentile per-packet one-way delay: 139.244 ms

Loss rate: 0.26%

Run 1: Report of TCP BBR — Data Link

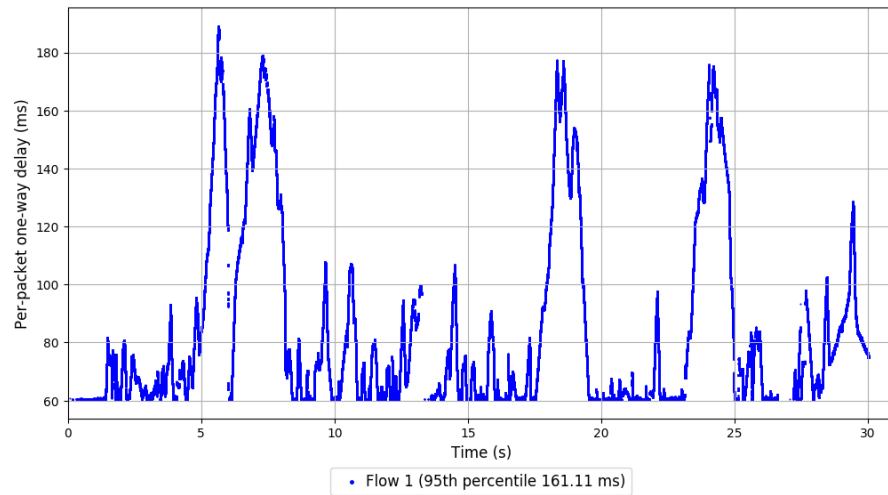
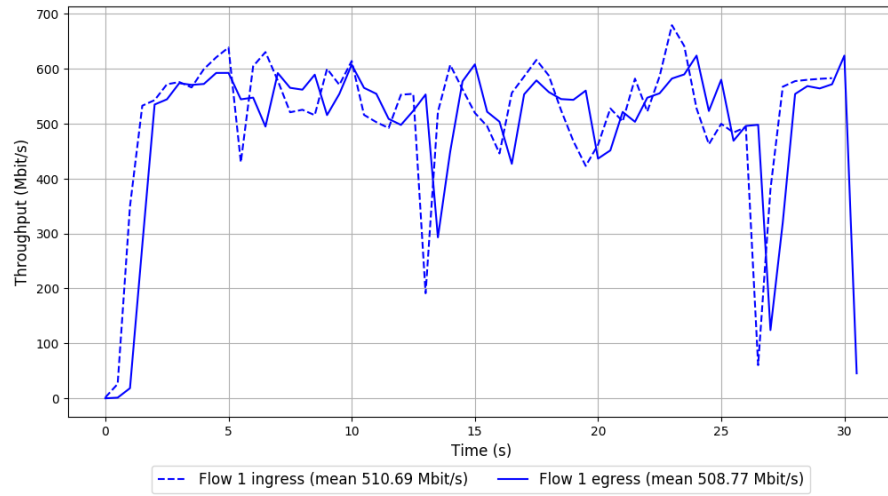


Run 2: Statistics of TCP BBR

Start at: 2019-03-09 17:15:36
End at: 2019-03-09 17:16:06
Local clock offset: -0.137 ms
Remote clock offset: -0.257 ms

Below is generated by plot.py at 2019-03-09 19:43:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 508.77 Mbit/s
95th percentile per-packet one-way delay: 161.110 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 508.77 Mbit/s
95th percentile per-packet one-way delay: 161.110 ms
Loss rate: 0.39%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-03-09 17:50:08

End at: 2019-03-09 17:50:38

Local clock offset: 0.138 ms

Remote clock offset: -0.307 ms

Below is generated by plot.py at 2019-03-09 19:43:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 499.86 Mbit/s

95th percentile per-packet one-way delay: 164.877 ms

Loss rate: 0.45%

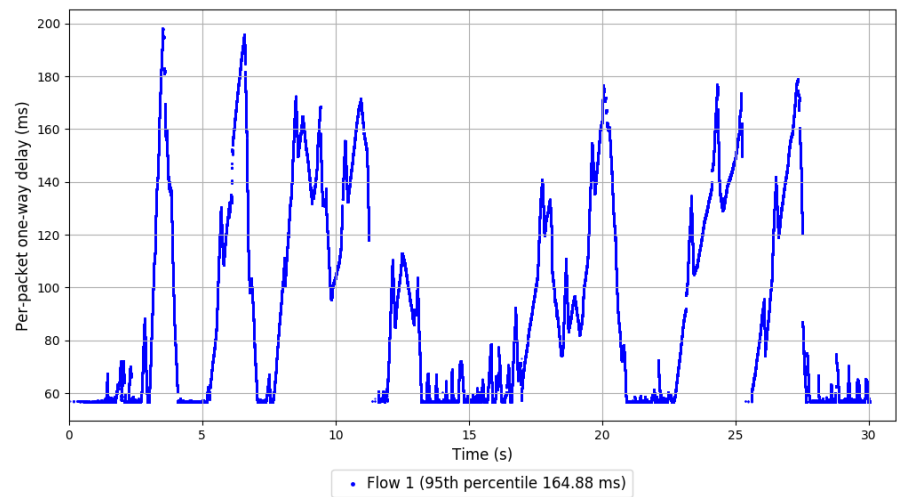
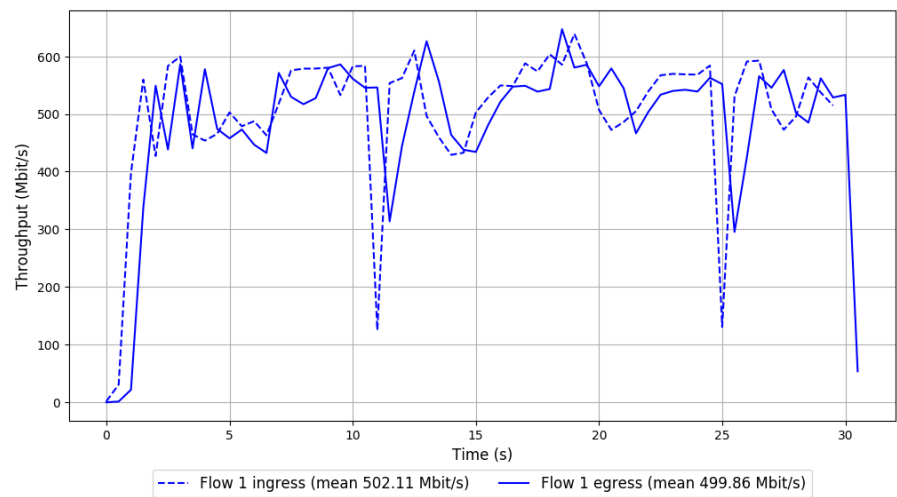
-- Flow 1:

Average throughput: 499.86 Mbit/s

95th percentile per-packet one-way delay: 164.877 ms

Loss rate: 0.45%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-03-09 18:25:11

End at: 2019-03-09 18:25:41

Local clock offset: -0.353 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2019-03-09 19:43:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 501.48 Mbit/s

95th percentile per-packet one-way delay: 128.567 ms

Loss rate: 0.01%

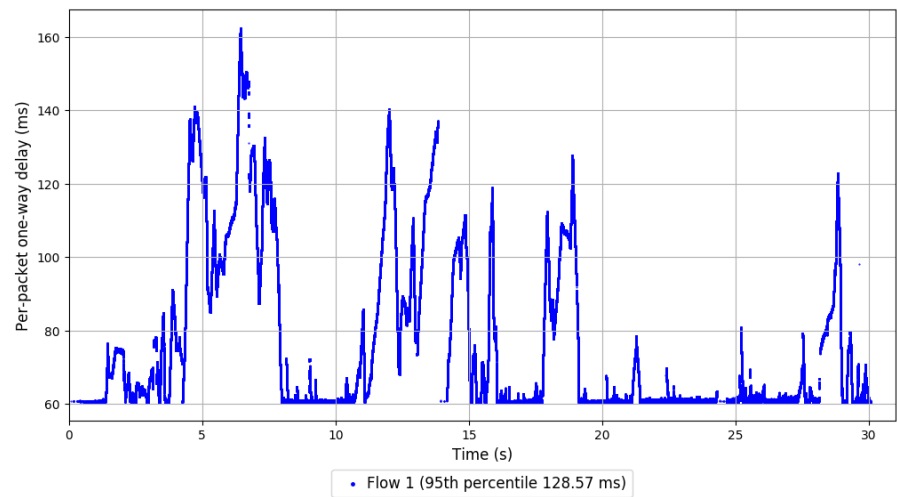
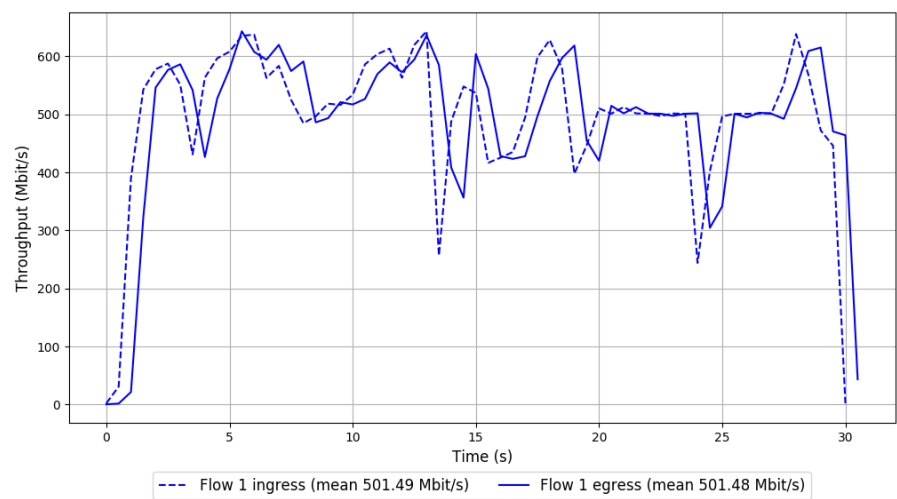
-- Flow 1:

Average throughput: 501.48 Mbit/s

95th percentile per-packet one-way delay: 128.567 ms

Loss rate: 0.01%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-03-09 18:59:52

End at: 2019-03-09 19:00:22

Local clock offset: 0.201 ms

Remote clock offset: 0.368 ms

Below is generated by plot.py at 2019-03-09 19:43:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 513.57 Mbit/s

95th percentile per-packet one-way delay: 141.661 ms

Loss rate: 0.35%

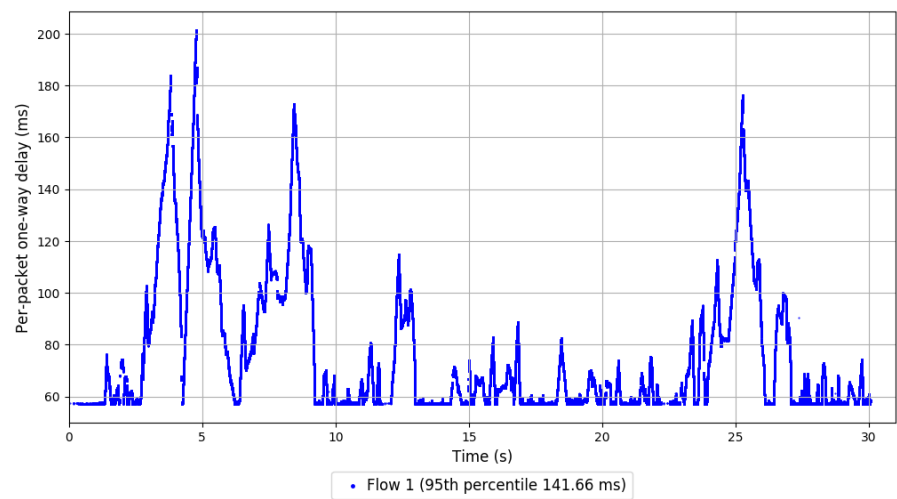
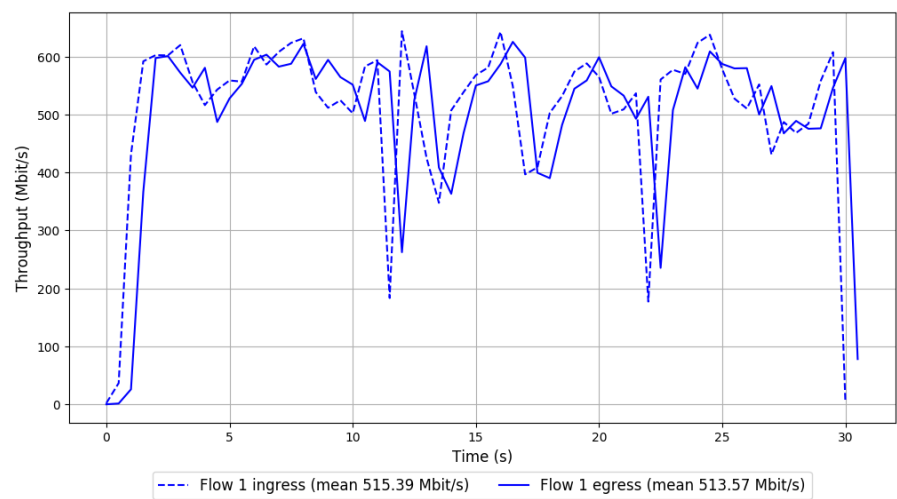
-- Flow 1:

Average throughput: 513.57 Mbit/s

95th percentile per-packet one-way delay: 141.661 ms

Loss rate: 0.35%

Run 5: Report of TCP BBR — Data Link

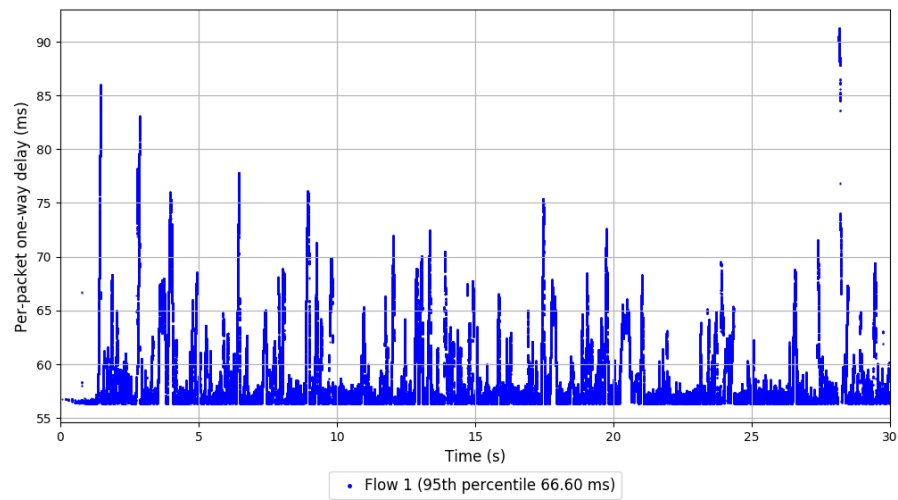
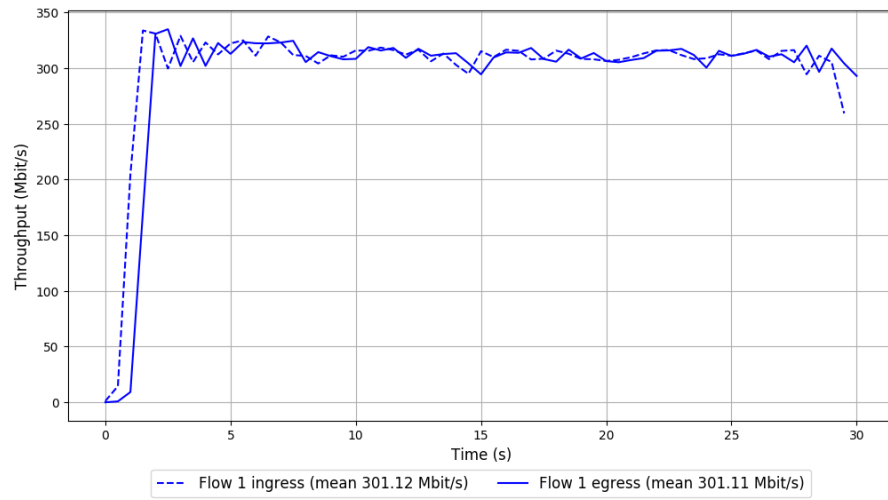


Run 1: Statistics of Copa

Start at: 2019-03-09 16:30:10
End at: 2019-03-09 16:30:40
Local clock offset: -0.135 ms
Remote clock offset: -0.675 ms

Below is generated by plot.py at 2019-03-09 19:43:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 301.11 Mbit/s
95th percentile per-packet one-way delay: 66.598 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 301.11 Mbit/s
95th percentile per-packet one-way delay: 66.598 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

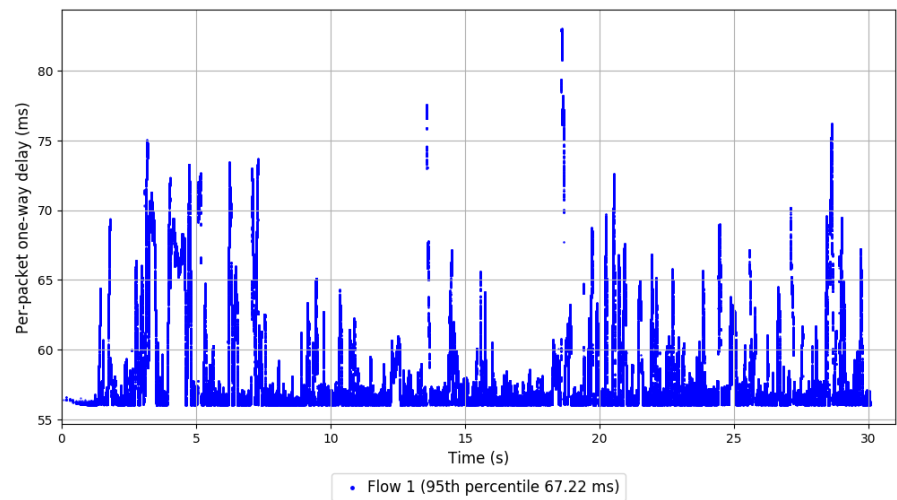
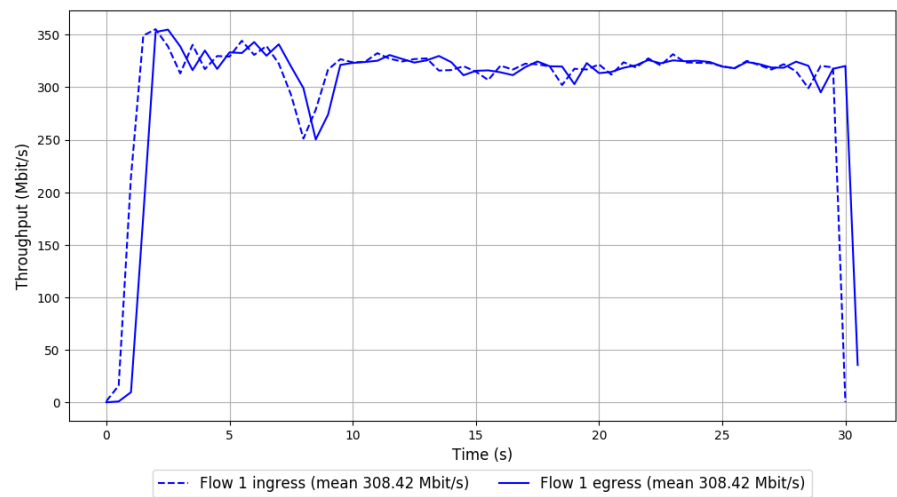


Run 2: Statistics of Copa

Start at: 2019-03-09 17:04:00
End at: 2019-03-09 17:04:30
Local clock offset: -0.279 ms
Remote clock offset: -0.929 ms

Below is generated by plot.py at 2019-03-09 19:44:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 308.42 Mbit/s
95th percentile per-packet one-way delay: 67.224 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 308.42 Mbit/s
95th percentile per-packet one-way delay: 67.224 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

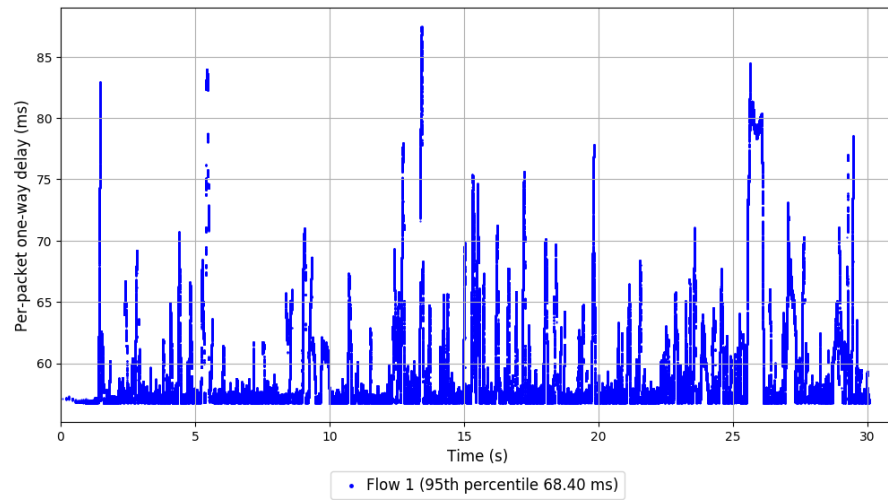
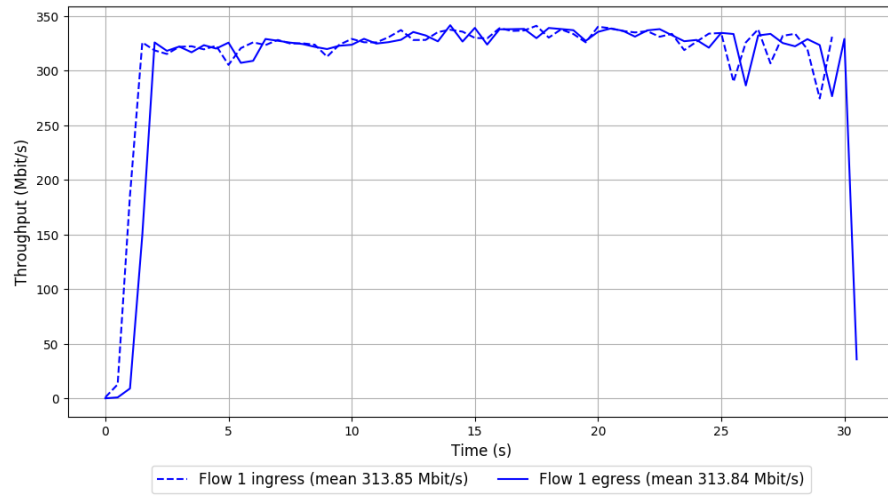


Run 3: Statistics of Copa

Start at: 2019-03-09 17:38:20
End at: 2019-03-09 17:38:50
Local clock offset: -0.031 ms
Remote clock offset: -0.145 ms

Below is generated by plot.py at 2019-03-09 19:44:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 313.84 Mbit/s
95th percentile per-packet one-way delay: 68.399 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 313.84 Mbit/s
95th percentile per-packet one-way delay: 68.399 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2019-03-09 18:12:57

End at: 2019-03-09 18:13:27

Local clock offset: 0.026 ms

Remote clock offset: -0.7 ms

Below is generated by plot.py at 2019-03-09 19:53:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 321.74 Mbit/s

95th percentile per-packet one-way delay: 72.621 ms

Loss rate: 0.00%

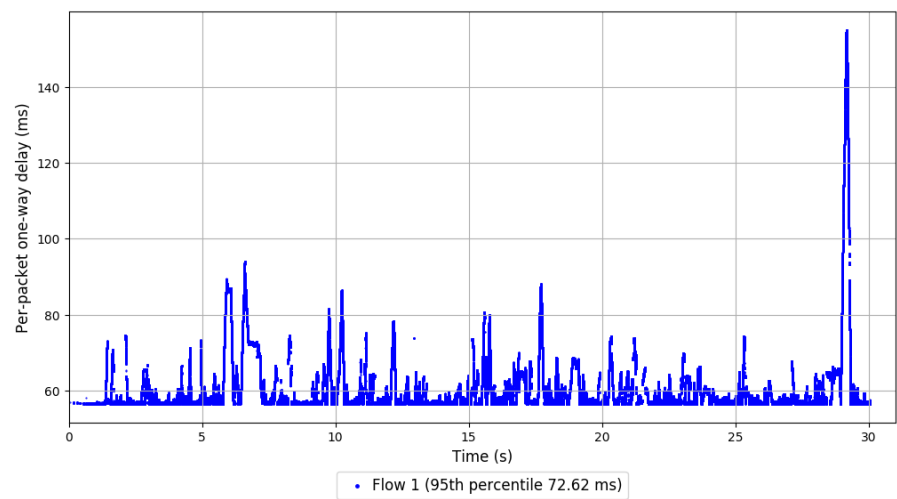
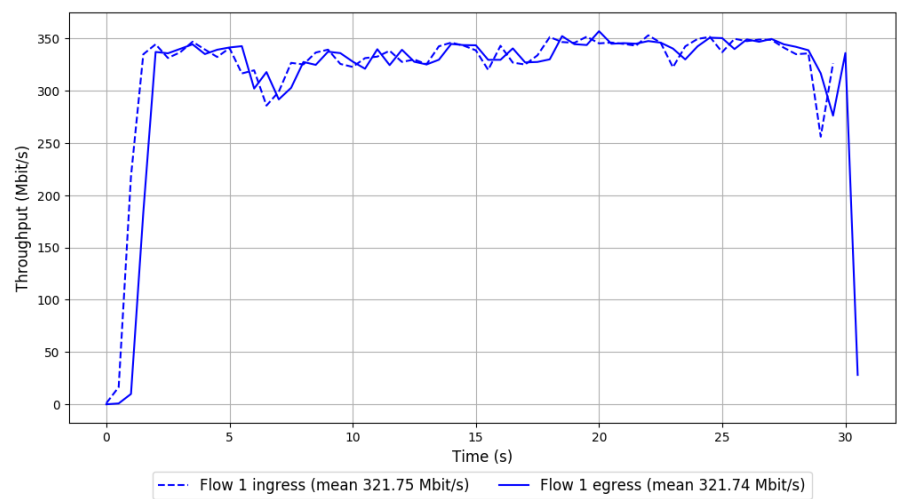
-- Flow 1:

Average throughput: 321.74 Mbit/s

95th percentile per-packet one-way delay: 72.621 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link

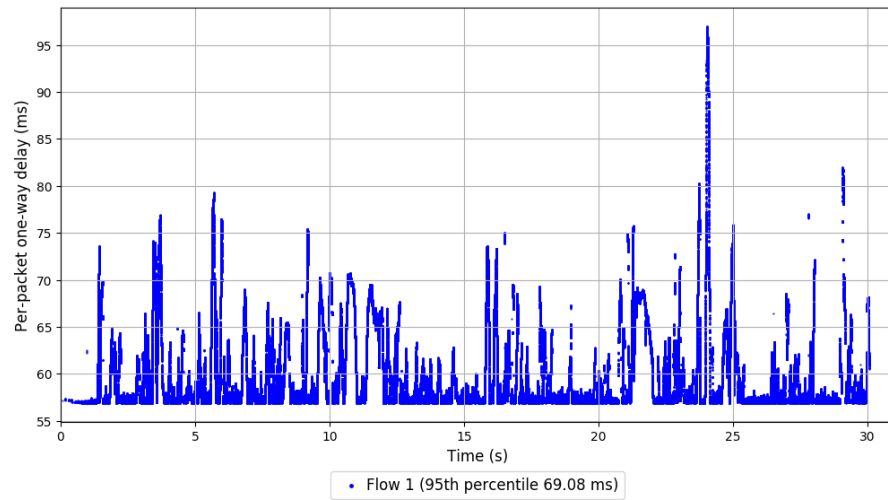
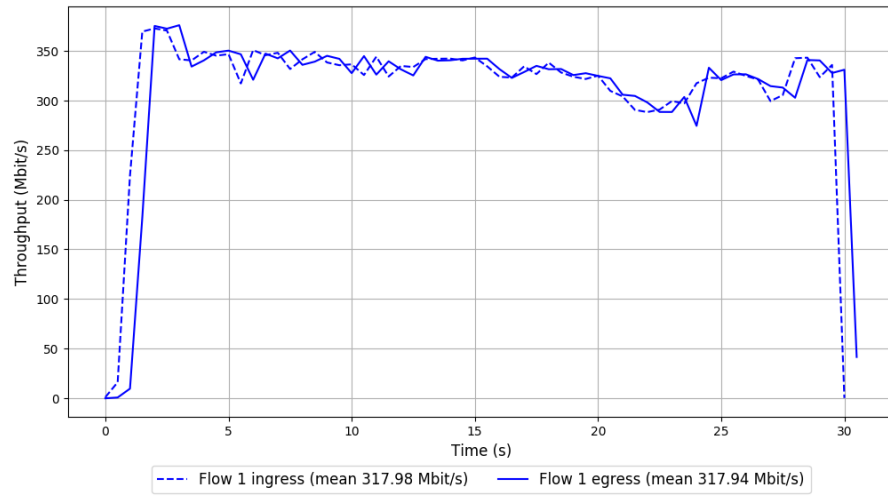


Run 5: Statistics of Copa

Start at: 2019-03-09 18:47:47
End at: 2019-03-09 18:48:17
Local clock offset: -0.174 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2019-03-09 19:53:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 317.94 Mbit/s
95th percentile per-packet one-way delay: 69.083 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 317.94 Mbit/s
95th percentile per-packet one-way delay: 69.083 ms
Loss rate: 0.01%

Run 5: Report of Copa — Data Link

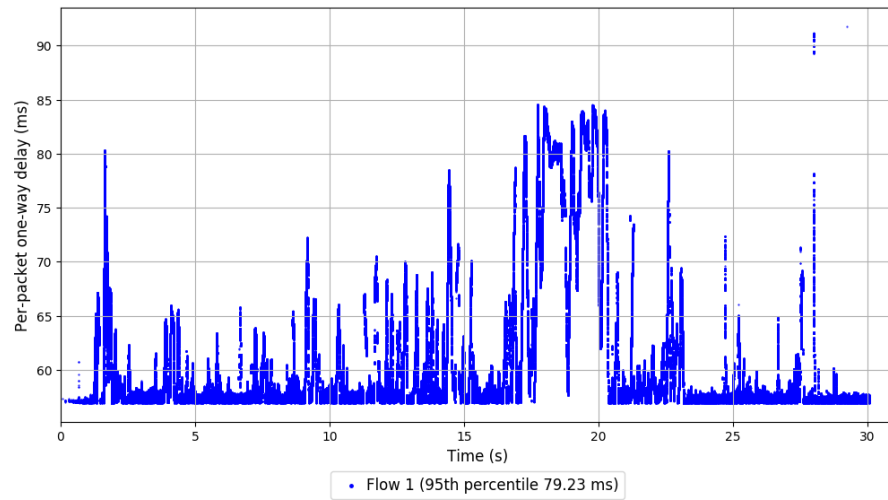
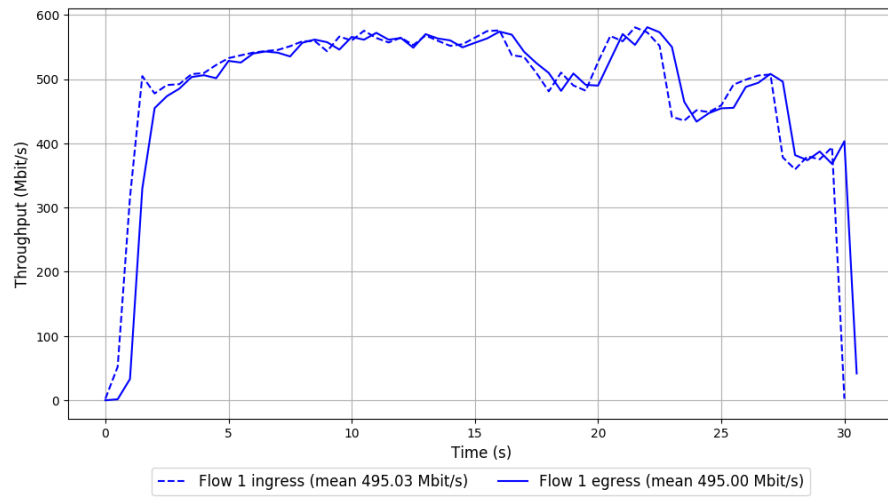


Run 1: Statistics of TCP Cubic

Start at: 2019-03-09 16:58:52
End at: 2019-03-09 16:59:22
Local clock offset: -0.155 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2019-03-09 19:53:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 495.00 Mbit/s
95th percentile per-packet one-way delay: 79.226 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 495.00 Mbit/s
95th percentile per-packet one-way delay: 79.226 ms
Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2019-03-09 17:33:09

End at: 2019-03-09 17:33:39

Local clock offset: 0.097 ms

Remote clock offset: 0.349 ms

Below is generated by plot.py at 2019-03-09 19:53:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 401.19 Mbit/s

95th percentile per-packet one-way delay: 78.868 ms

Loss rate: 0.09%

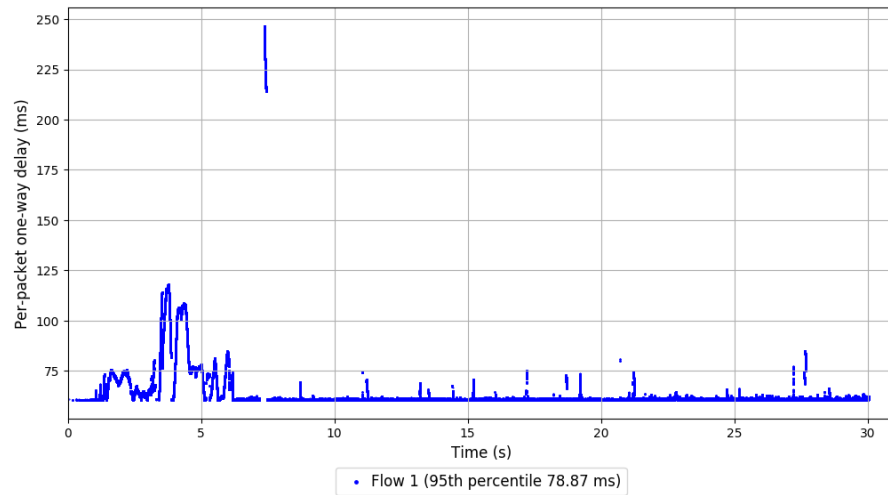
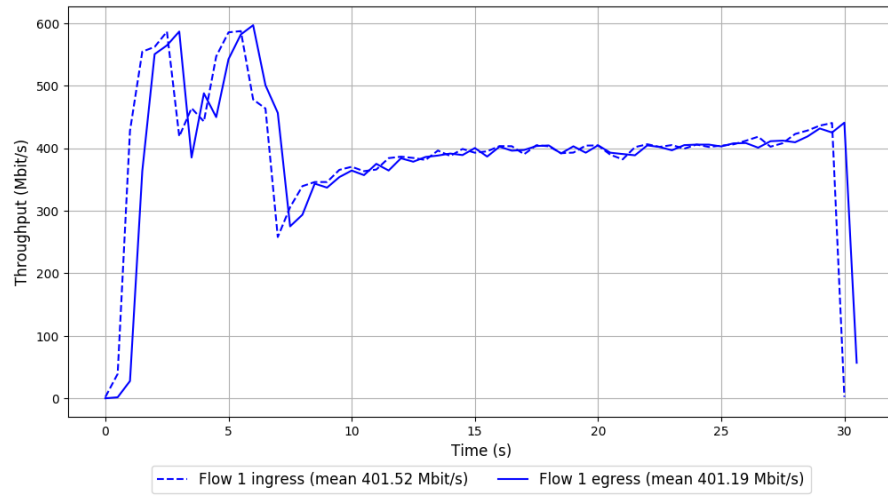
-- Flow 1:

Average throughput: 401.19 Mbit/s

95th percentile per-packet one-way delay: 78.868 ms

Loss rate: 0.09%

Run 2: Report of TCP Cubic — Data Link

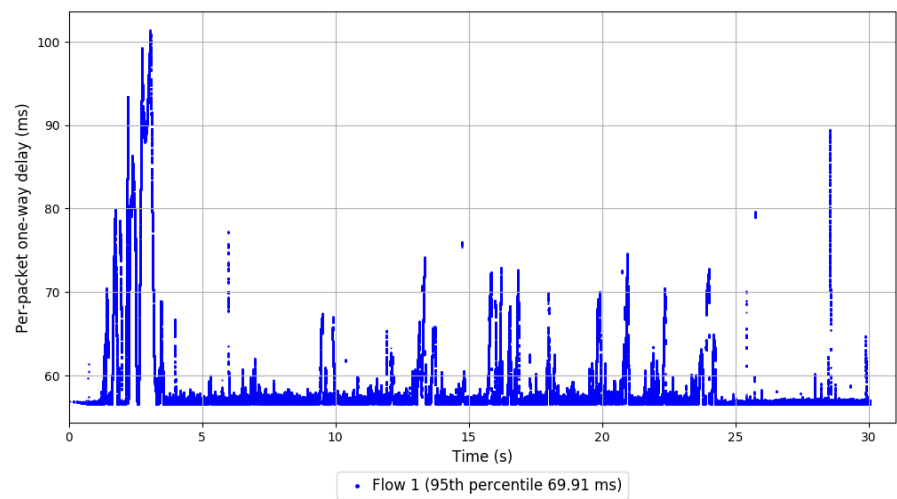
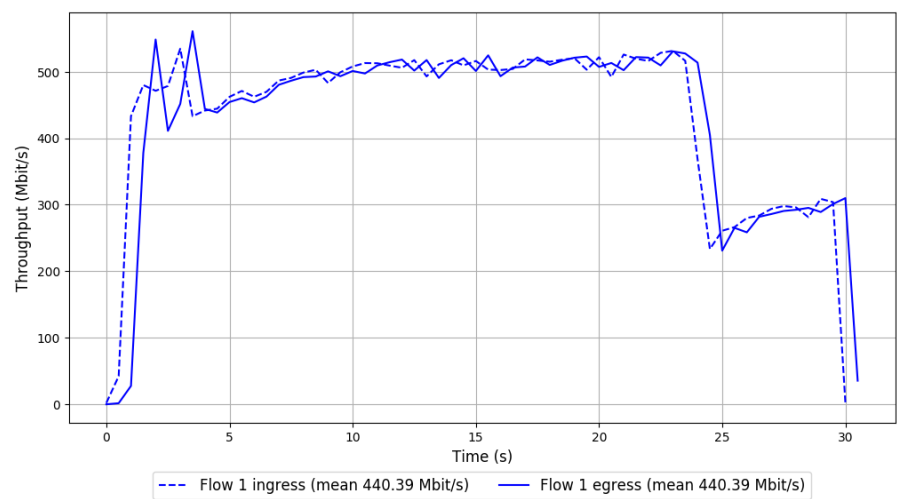


Run 3: Statistics of TCP Cubic

Start at: 2019-03-09 18:07:54
End at: 2019-03-09 18:08:24
Local clock offset: 0.344 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2019-03-09 19:53:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 440.39 Mbit/s
95th percentile per-packet one-way delay: 69.907 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 440.39 Mbit/s
95th percentile per-packet one-way delay: 69.907 ms
Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2019-03-09 18:43:05

End at: 2019-03-09 18:43:35

Local clock offset: -0.101 ms

Remote clock offset: 0.06 ms

Below is generated by plot.py at 2019-03-09 19:53:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 489.89 Mbit/s

95th percentile per-packet one-way delay: 69.384 ms

Loss rate: 0.06%

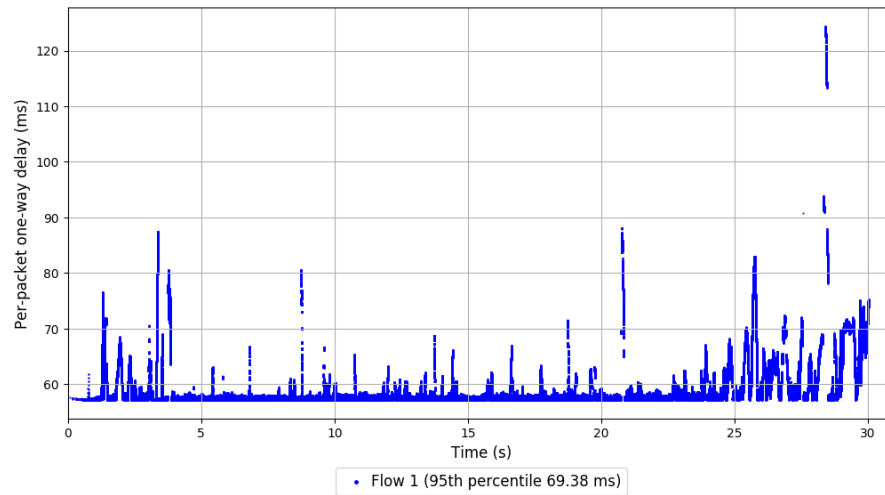
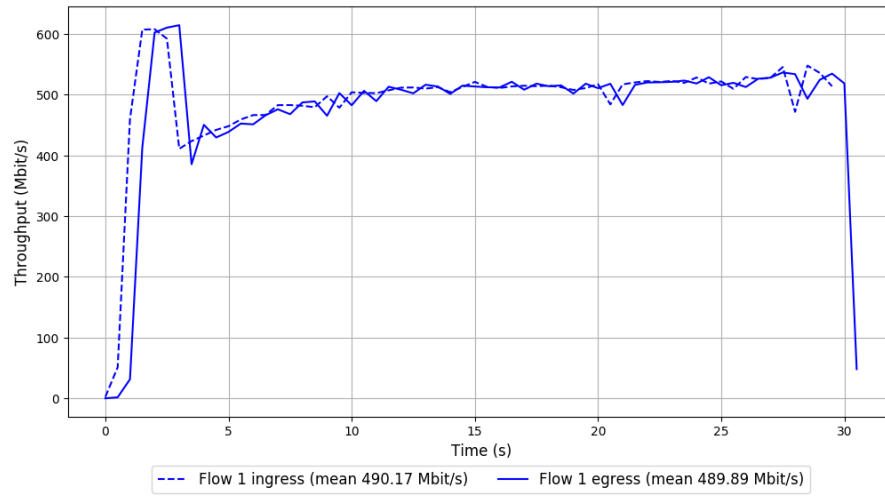
-- Flow 1:

Average throughput: 489.89 Mbit/s

95th percentile per-packet one-way delay: 69.384 ms

Loss rate: 0.06%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2019-03-09 19:18:12

End at: 2019-03-09 19:18:42

Local clock offset: -0.175 ms

Remote clock offset: 0.043 ms

Below is generated by plot.py at 2019-03-09 19:53:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 393.00 Mbit/s

95th percentile per-packet one-way delay: 66.041 ms

Loss rate: 0.01%

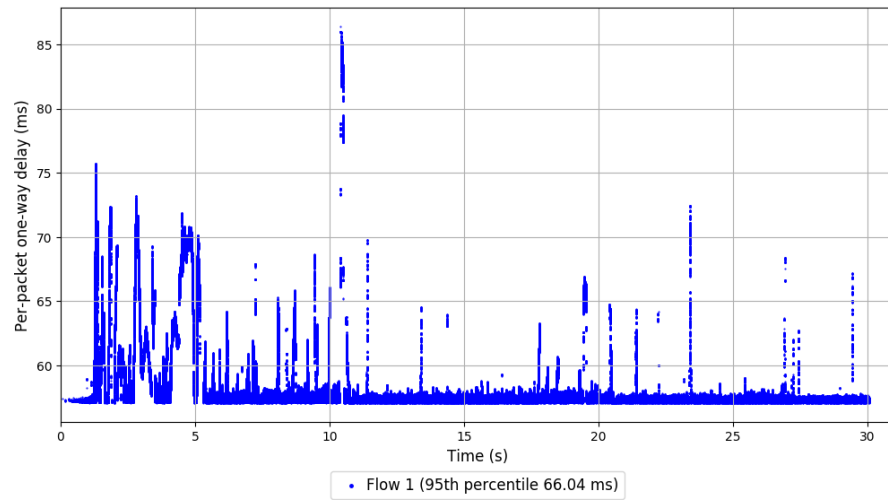
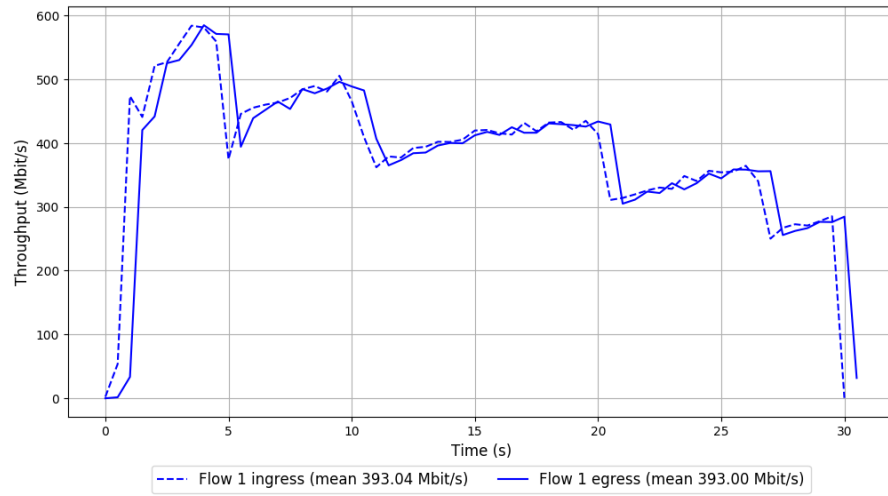
-- Flow 1:

Average throughput: 393.00 Mbit/s

95th percentile per-packet one-way delay: 66.041 ms

Loss rate: 0.01%

Run 5: Report of TCP Cubic — Data Link

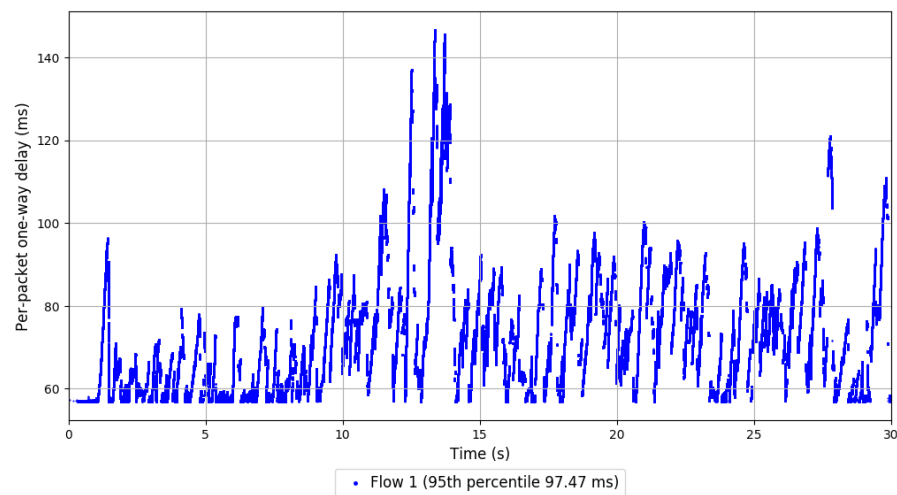
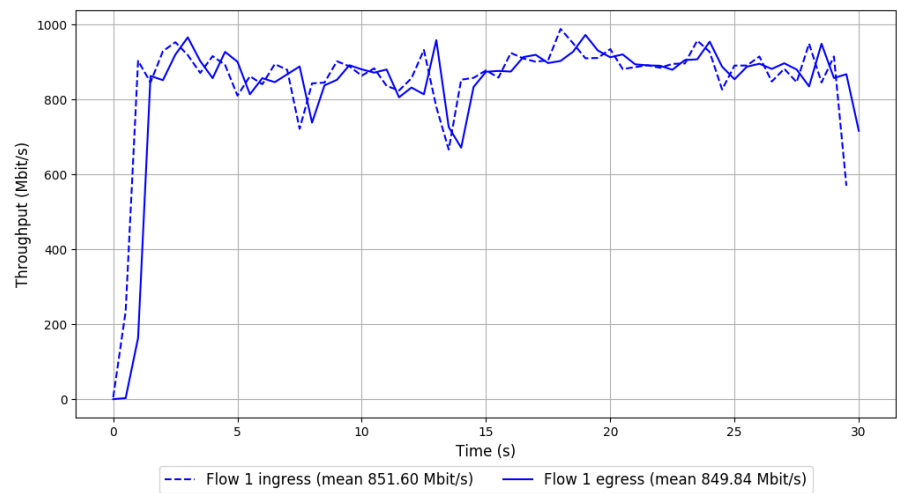


```
Run 1: Statistics of FillP

Start at: 2019-03-09 16:54:10
End at: 2019-03-09 16:54:40
Local clock offset: -0.152 ms
Remote clock offset: 0.16 ms

# Below is generated by plot.py at 2019-03-09 20:00:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 849.84 Mbit/s
95th percentile per-packet one-way delay: 97.471 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 849.84 Mbit/s
95th percentile per-packet one-way delay: 97.471 ms
Loss rate: 0.21%
```

Run 1: Report of FillP — Data Link

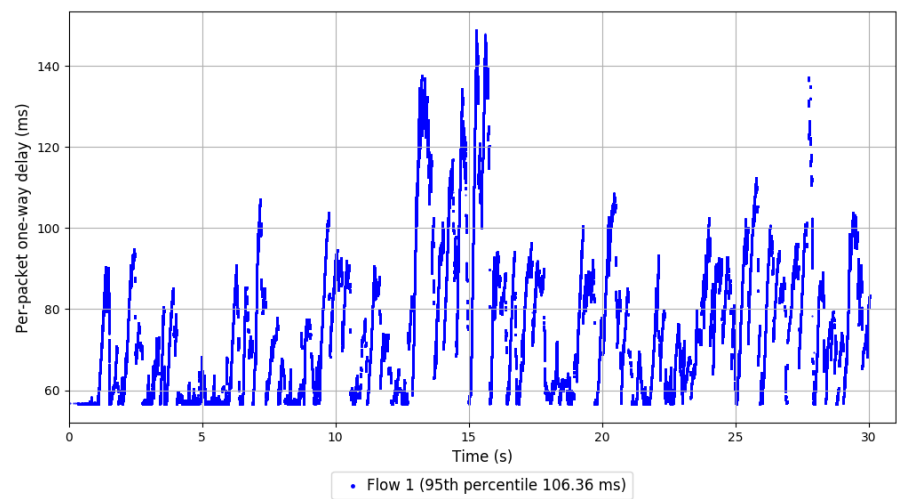
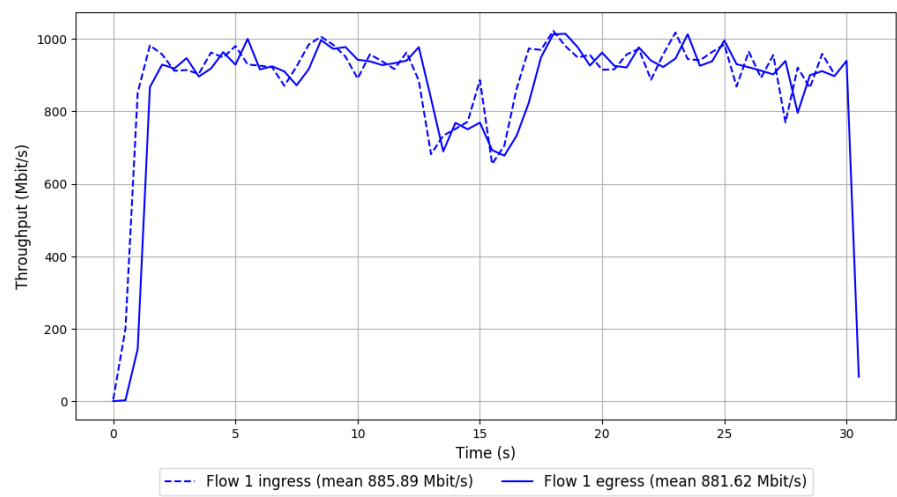


Run 2: Statistics of FillP

Start at: 2019-03-09 17:28:21
End at: 2019-03-09 17:28:51
Local clock offset: 0.054 ms
Remote clock offset: -0.215 ms

Below is generated by plot.py at 2019-03-09 20:09:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 881.62 Mbit/s
95th percentile per-packet one-way delay: 106.357 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 881.62 Mbit/s
95th percentile per-packet one-way delay: 106.357 ms
Loss rate: 0.48%

Run 2: Report of FillP — Data Link

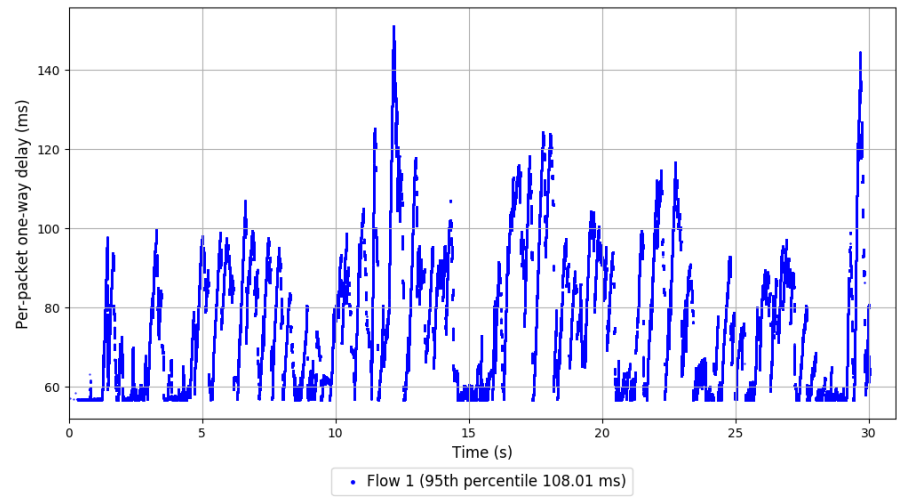
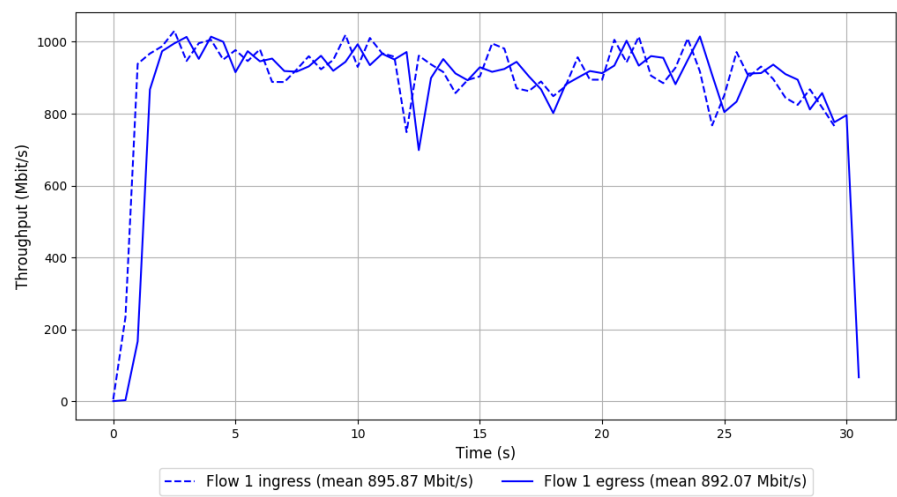


Run 3: Statistics of FillP

Start at: 2019-03-09 18:02:57
End at: 2019-03-09 18:03:27
Local clock offset: 0.054 ms
Remote clock offset: -0.204 ms

Below is generated by plot.py at 2019-03-09 20:10:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 892.07 Mbit/s
95th percentile per-packet one-way delay: 108.012 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 892.07 Mbit/s
95th percentile per-packet one-way delay: 108.012 ms
Loss rate: 0.42%

Run 3: Report of FillP — Data Link

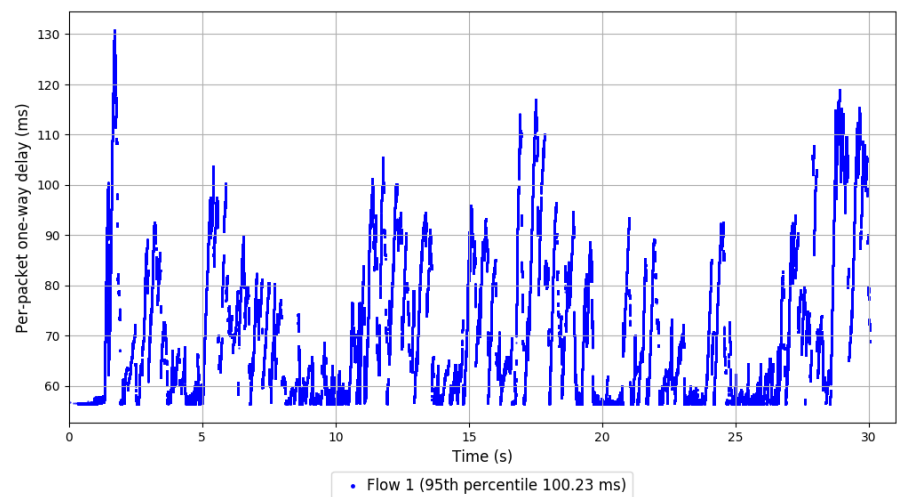
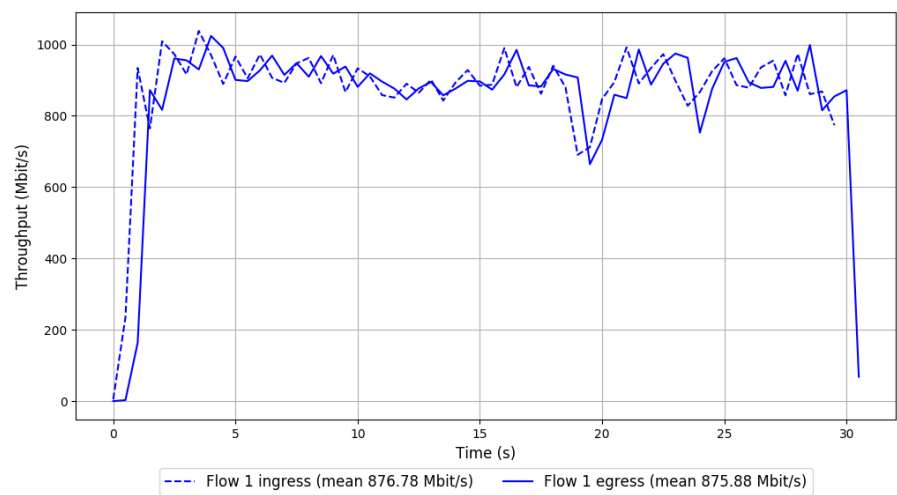


Run 4: Statistics of FillP

Start at: 2019-03-09 18:38:11
End at: 2019-03-09 18:38:41
Local clock offset: 0.136 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2019-03-09 20:10:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 875.88 Mbit/s
95th percentile per-packet one-way delay: 100.235 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 875.88 Mbit/s
95th percentile per-packet one-way delay: 100.235 ms
Loss rate: 0.08%

Run 4: Report of FillP — Data Link

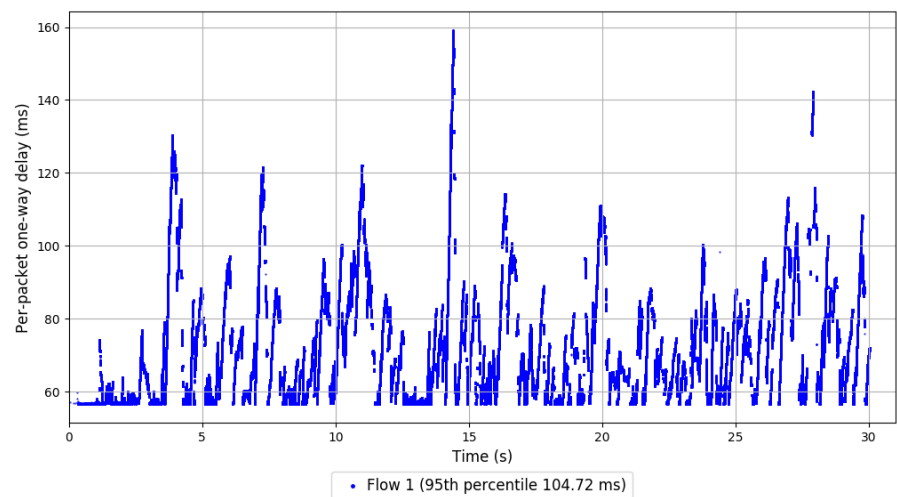
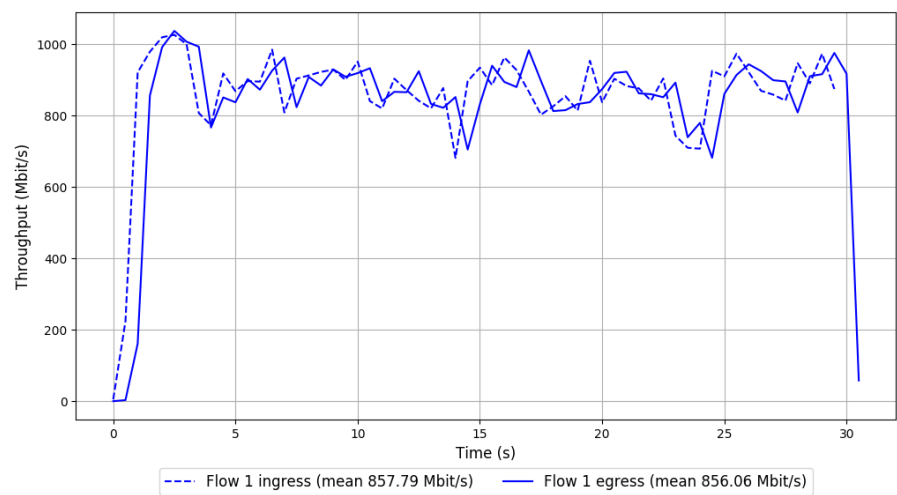


Run 5: Statistics of FillP

Start at: 2019-03-09 19:13:08
End at: 2019-03-09 19:13:38
Local clock offset: 0.18 ms
Remote clock offset: -0.138 ms

Below is generated by plot.py at 2019-03-09 20:10:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 856.06 Mbit/s
95th percentile per-packet one-way delay: 104.717 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 856.06 Mbit/s
95th percentile per-packet one-way delay: 104.717 ms
Loss rate: 0.20%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-03-09 17:00:52

End at: 2019-03-09 17:01:22

Local clock offset: 0.233 ms

Remote clock offset: -0.039 ms

Below is generated by plot.py at 2019-03-09 20:10:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 827.46 Mbit/s

95th percentile per-packet one-way delay: 100.706 ms

Loss rate: 0.69%

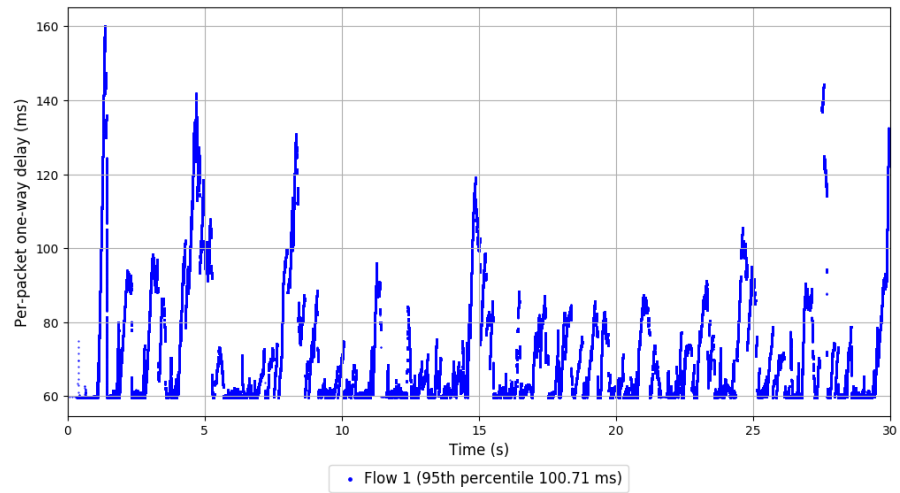
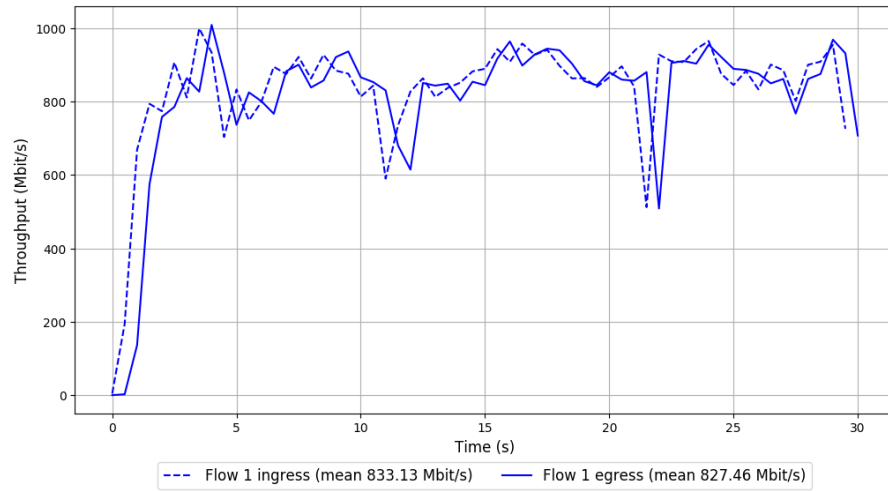
-- Flow 1:

Average throughput: 827.46 Mbit/s

95th percentile per-packet one-way delay: 100.706 ms

Loss rate: 0.69%

Run 1: Report of FillP-Sheep — Data Link

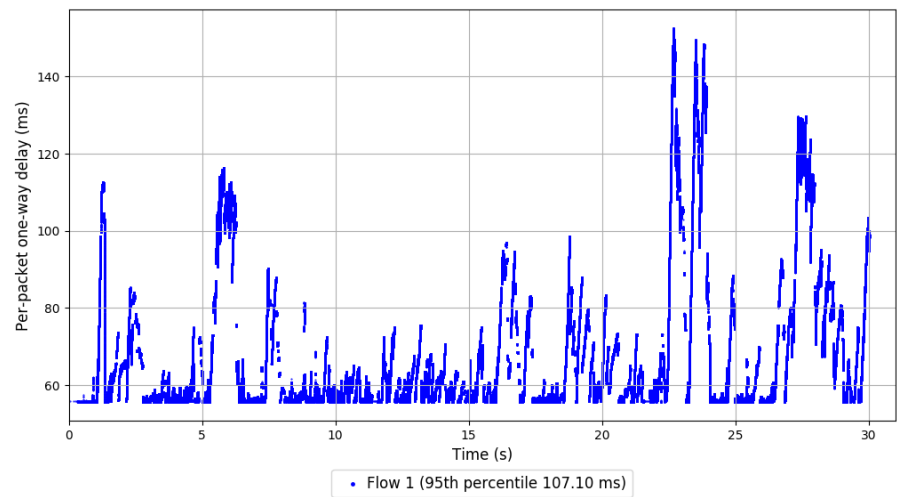
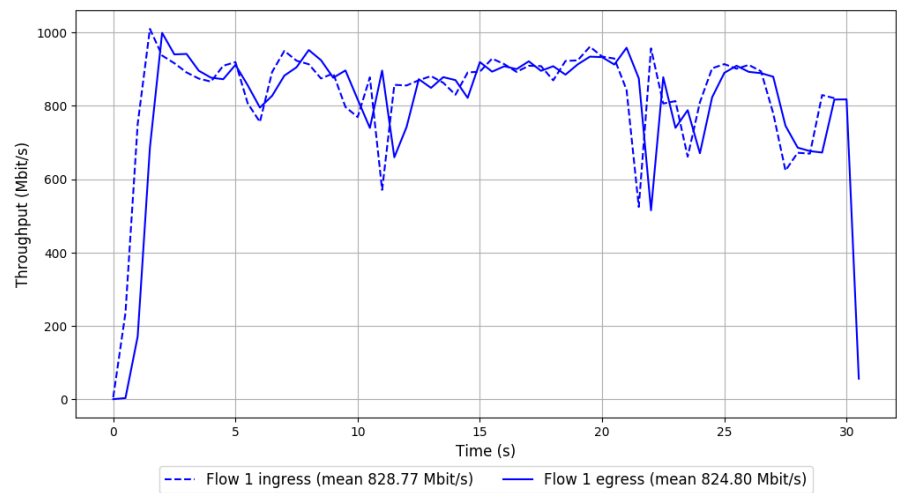


Run 2: Statistics of FillP-Sheep

Start at: 2019-03-09 17:34:52
End at: 2019-03-09 17:35:22
Local clock offset: 0.222 ms
Remote clock offset: -0.934 ms

Below is generated by plot.py at 2019-03-09 20:11:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 824.80 Mbit/s
95th percentile per-packet one-way delay: 107.104 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 824.80 Mbit/s
95th percentile per-packet one-way delay: 107.104 ms
Loss rate: 0.47%

Run 2: Report of FillP-Sheep — Data Link

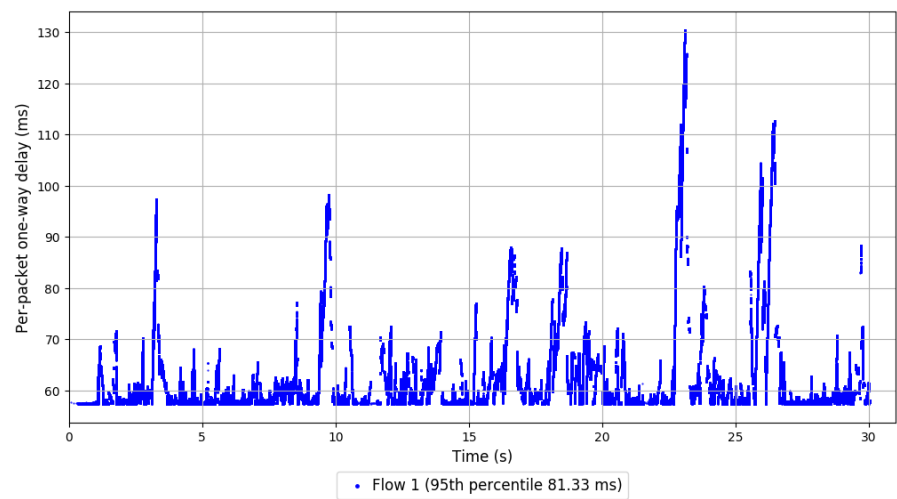
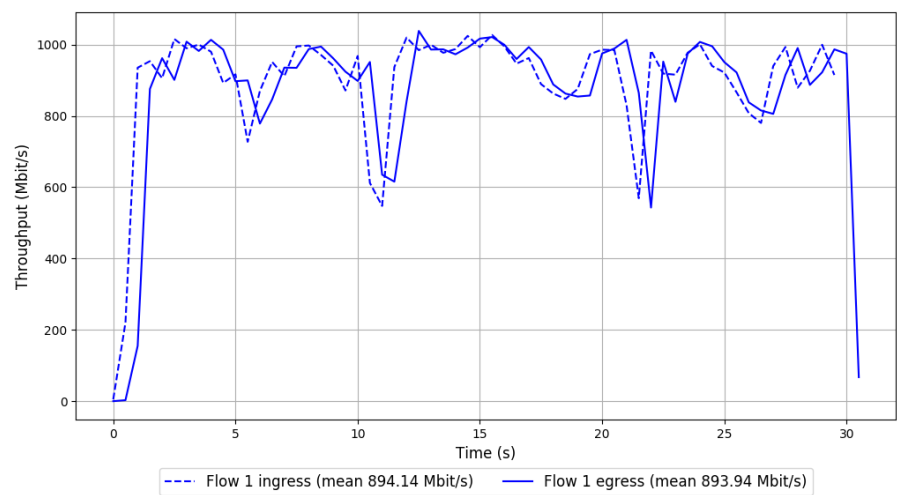


Run 3: Statistics of FillP-Sheep

Start at: 2019-03-09 18:09:34
End at: 2019-03-09 18:10:04
Local clock offset: -0.503 ms
Remote clock offset: -0.156 ms

Below is generated by plot.py at 2019-03-09 20:12:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 893.94 Mbit/s
95th percentile per-packet one-way delay: 81.332 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 893.94 Mbit/s
95th percentile per-packet one-way delay: 81.332 ms
Loss rate: 0.02%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2019-03-09 18:44:47

End at: 2019-03-09 18:45:17

Local clock offset: 0.315 ms

Remote clock offset: 0.046 ms

Below is generated by plot.py at 2019-03-09 20:21:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 832.83 Mbit/s

95th percentile per-packet one-way delay: 102.709 ms

Loss rate: 0.12%

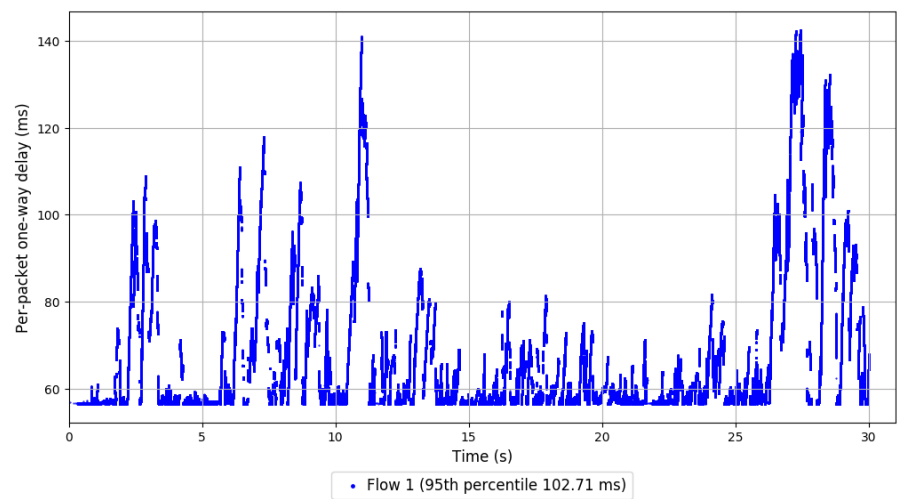
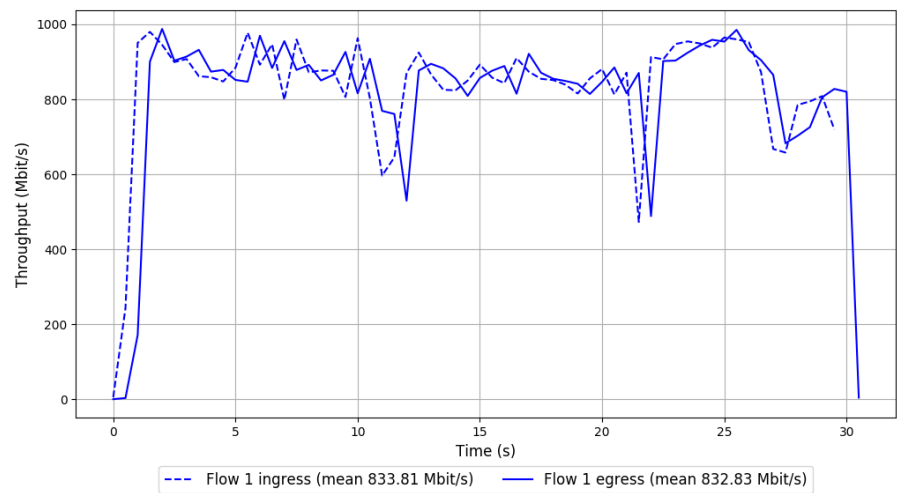
-- Flow 1:

Average throughput: 832.83 Mbit/s

95th percentile per-packet one-way delay: 102.709 ms

Loss rate: 0.12%

Run 4: Report of FillP-Sheep — Data Link

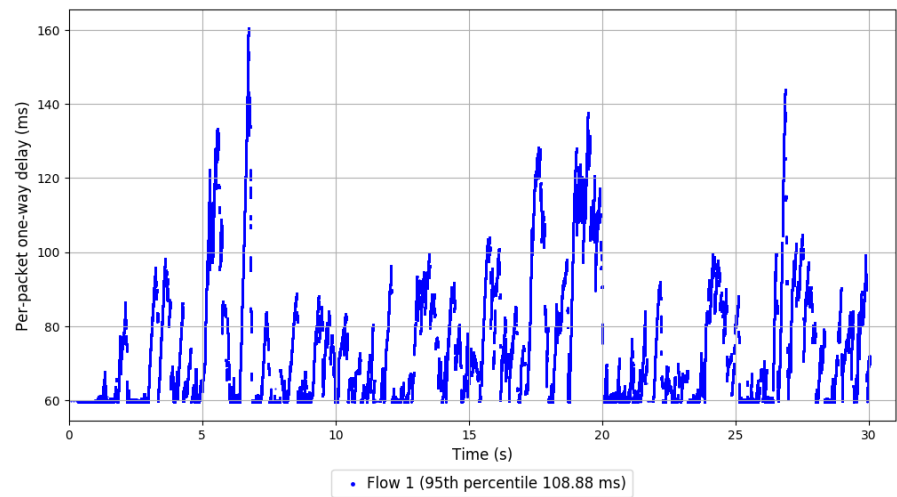
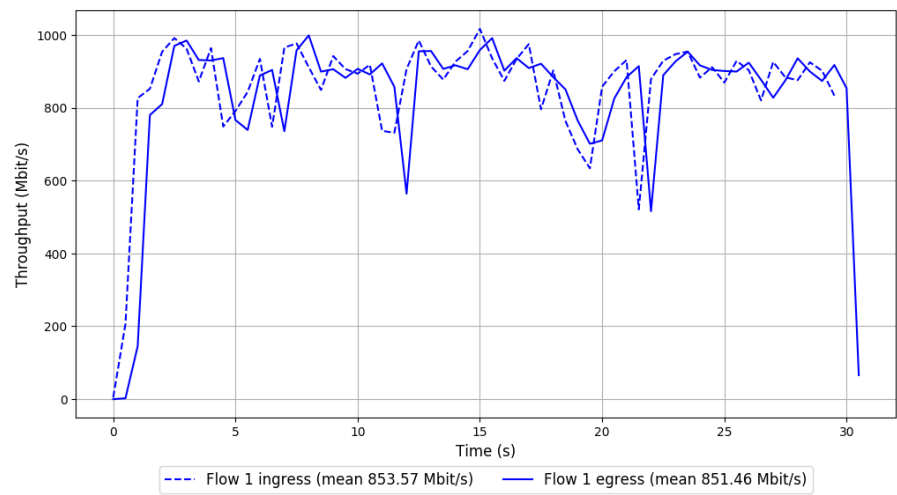


Run 5: Statistics of FillP-Sheep

Start at: 2019-03-09 19:19:48
End at: 2019-03-09 19:20:18
Local clock offset: 0.088 ms
Remote clock offset: -0.215 ms

Below is generated by plot.py at 2019-03-09 20:28:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 851.46 Mbit/s
95th percentile per-packet one-way delay: 108.878 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 851.46 Mbit/s
95th percentile per-packet one-way delay: 108.878 ms
Loss rate: 0.26%

Run 5: Report of FillP-Sheep — Data Link

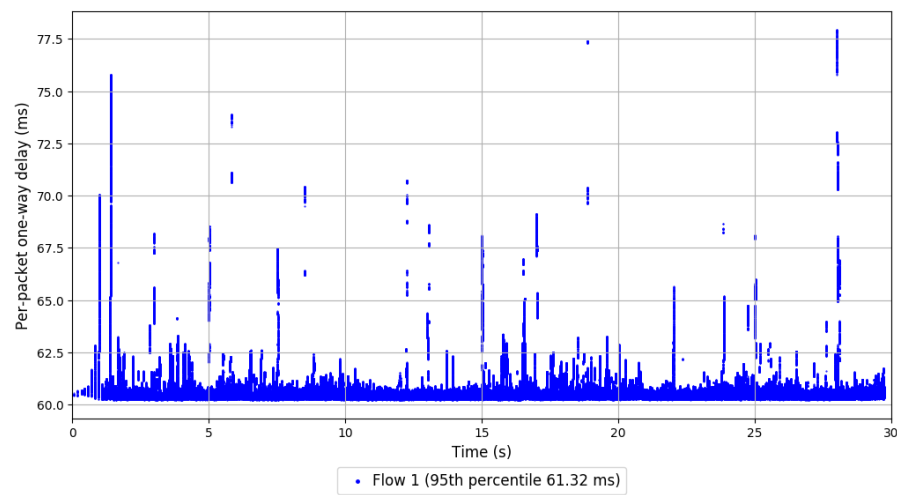
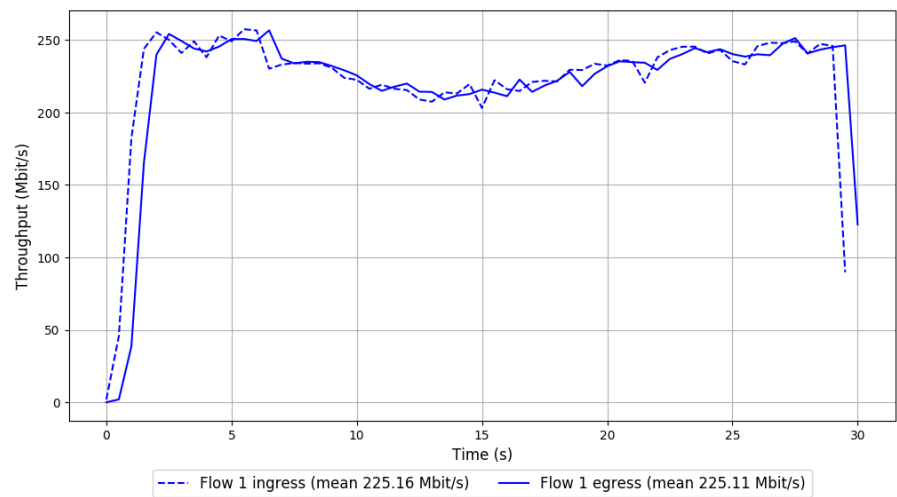


Run 1: Statistics of Indigo

Start at: 2019-03-09 16:38:10
End at: 2019-03-09 16:38:41
Local clock offset: 0.05 ms
Remote clock offset: -0.147 ms

Below is generated by plot.py at 2019-03-09 20:28:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 225.11 Mbit/s
95th percentile per-packet one-way delay: 61.317 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 225.11 Mbit/s
95th percentile per-packet one-way delay: 61.317 ms
Loss rate: 0.03%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2019-03-09 17:12:05

End at: 2019-03-09 17:12:35

Local clock offset: -0.135 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2019-03-09 20:28:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.65 Mbit/s

95th percentile per-packet one-way delay: 58.257 ms

Loss rate: 0.01%

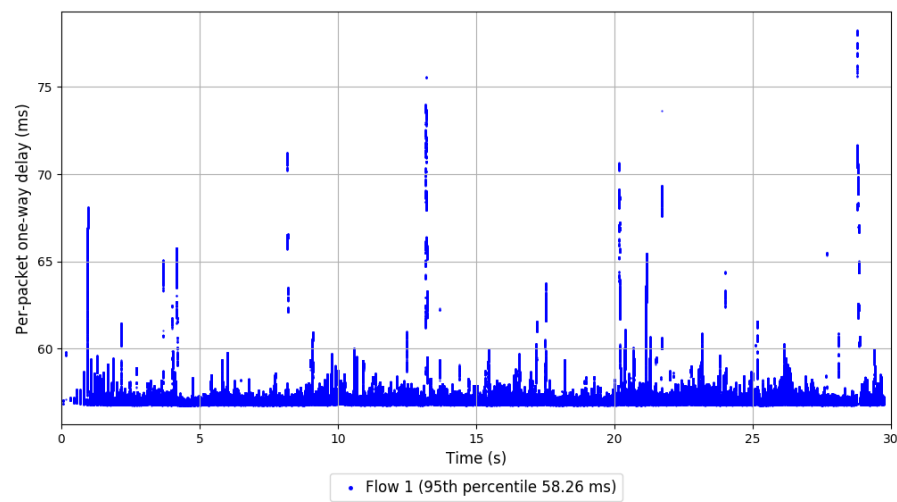
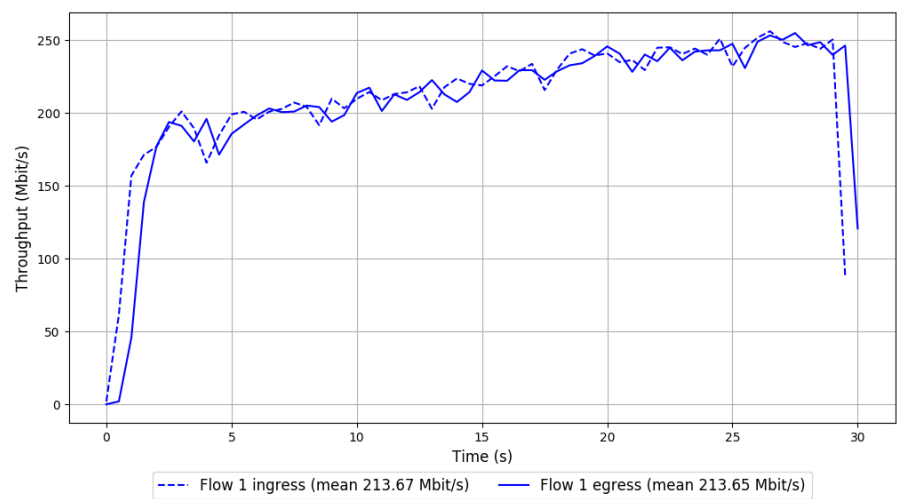
-- Flow 1:

Average throughput: 213.65 Mbit/s

95th percentile per-packet one-way delay: 58.257 ms

Loss rate: 0.01%

Run 2: Report of Indigo — Data Link

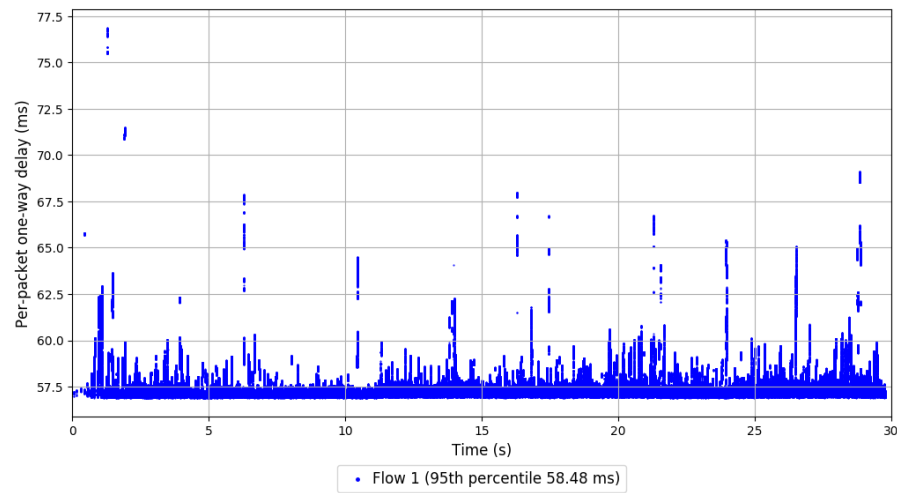
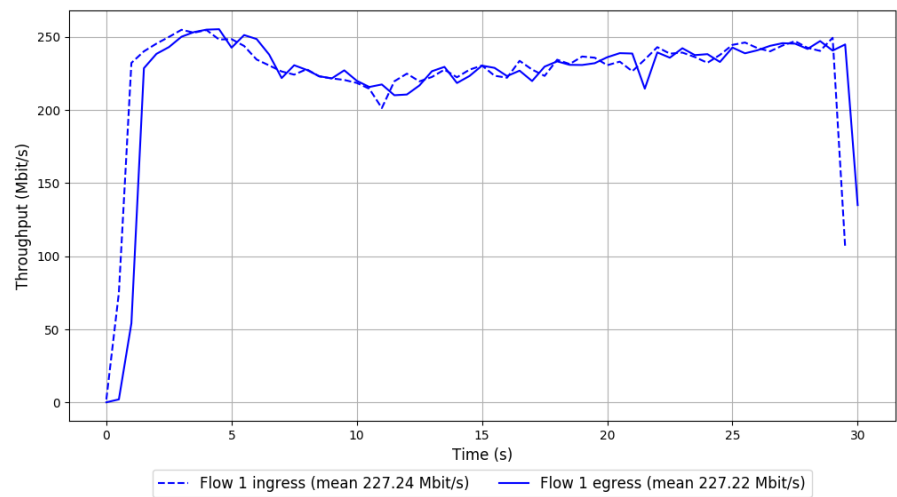


Run 3: Statistics of Indigo

Start at: 2019-03-09 17:46:33
End at: 2019-03-09 17:47:03
Local clock offset: -0.108 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2019-03-09 20:28:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 227.22 Mbit/s
95th percentile per-packet one-way delay: 58.478 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 227.22 Mbit/s
95th percentile per-packet one-way delay: 58.478 ms
Loss rate: 0.01%

Run 3: Report of Indigo — Data Link

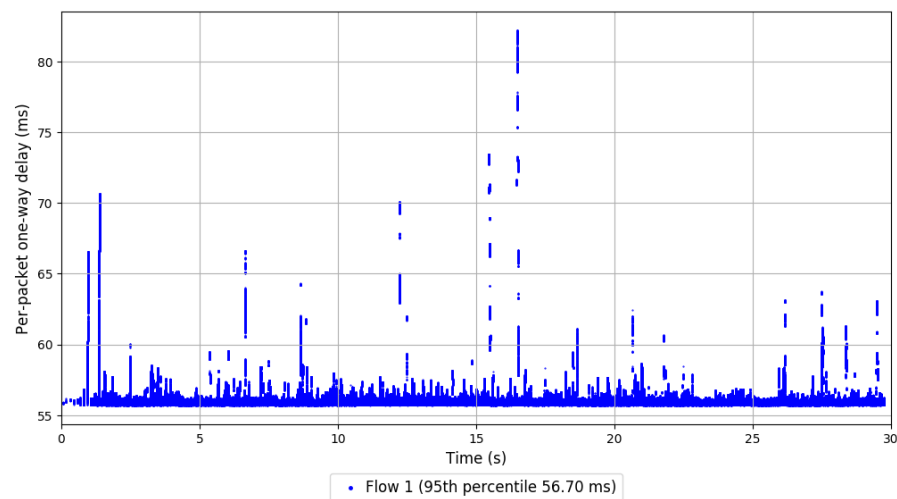
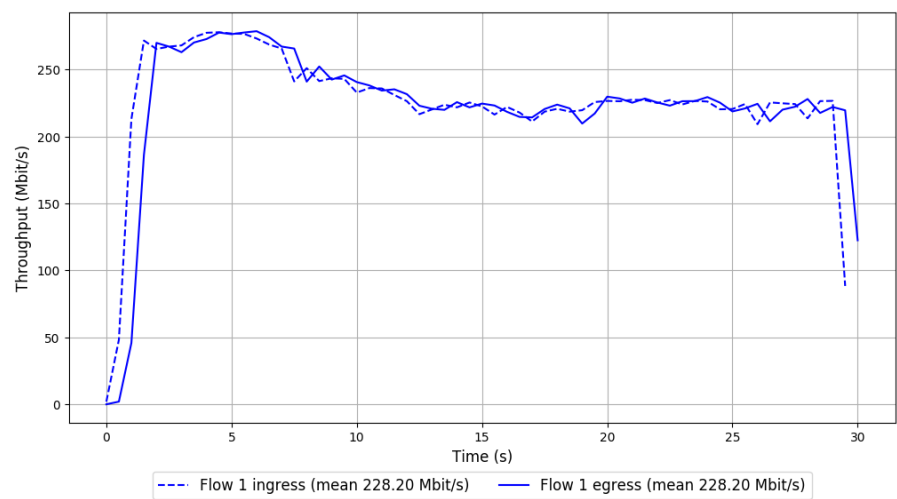


Run 4: Statistics of Indigo

Start at: 2019-03-09 18:21:27
End at: 2019-03-09 18:21:57
Local clock offset: 0.147 ms
Remote clock offset: -0.785 ms

Below is generated by plot.py at 2019-03-09 20:28:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 228.20 Mbit/s
95th percentile per-packet one-way delay: 56.704 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 228.20 Mbit/s
95th percentile per-packet one-way delay: 56.704 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-03-09 18:56:15

End at: 2019-03-09 18:56:45

Local clock offset: -0.227 ms

Remote clock offset: 0.105 ms

Below is generated by plot.py at 2019-03-09 20:28:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.52 Mbit/s

95th percentile per-packet one-way delay: 58.448 ms

Loss rate: 0.00%

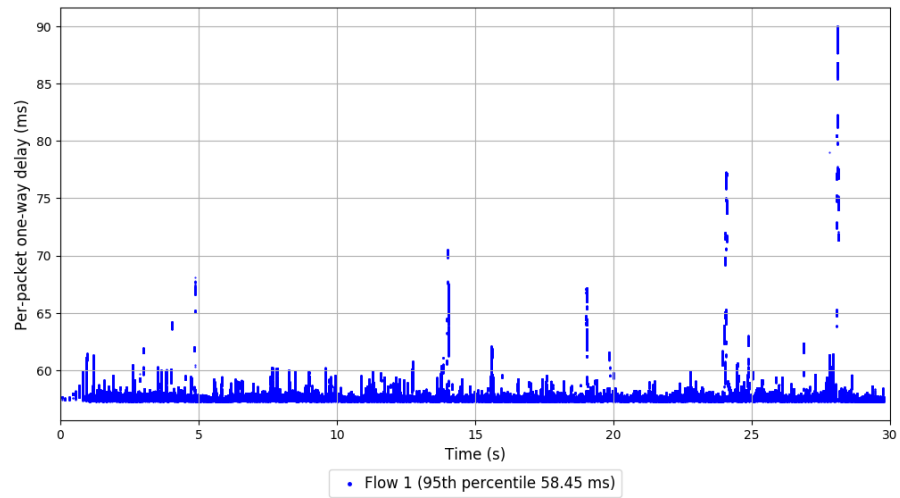
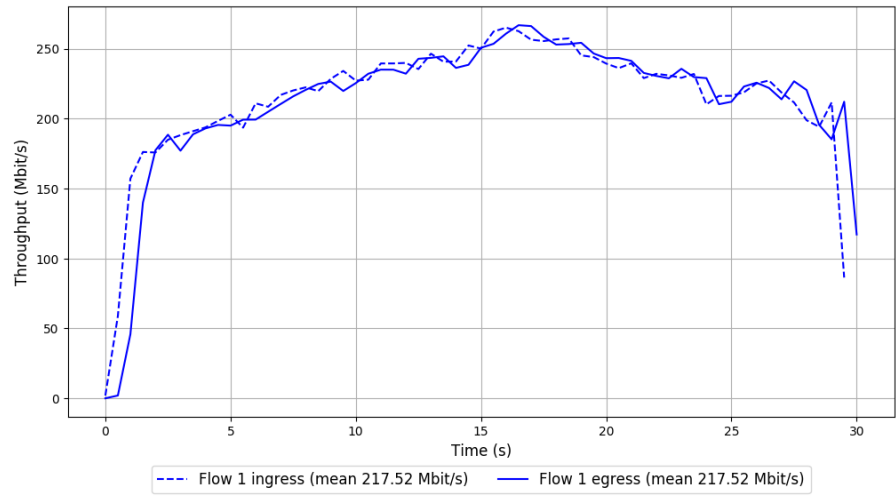
-- Flow 1:

Average throughput: 217.52 Mbit/s

95th percentile per-packet one-way delay: 58.448 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

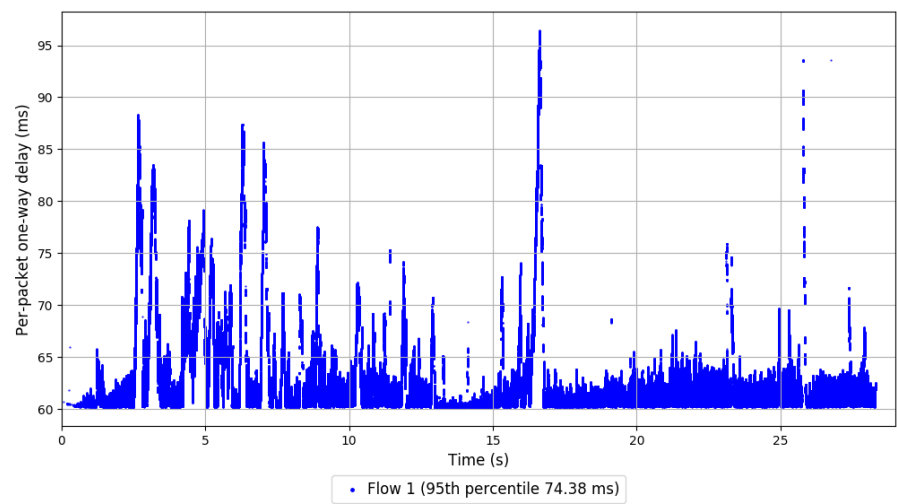
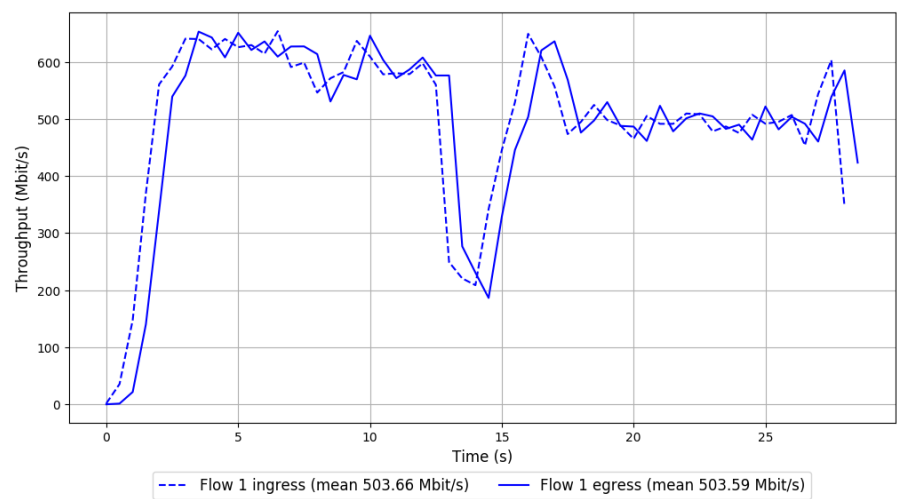


Run 1: Statistics of Indigo-MusesC3

Start at: 2019-03-09 16:39:49
End at: 2019-03-09 16:40:19
Local clock offset: -0.134 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2019-03-09 20:28:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 503.59 Mbit/s
95th percentile per-packet one-way delay: 74.375 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 503.59 Mbit/s
95th percentile per-packet one-way delay: 74.375 ms
Loss rate: 0.03%

Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2019-03-09 17:13:46

End at: 2019-03-09 17:14:16

Local clock offset: -0.565 ms

Remote clock offset: 0.119 ms

Below is generated by plot.py at 2019-03-09 20:28:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 567.14 Mbit/s

95th percentile per-packet one-way delay: 75.401 ms

Loss rate: 0.02%

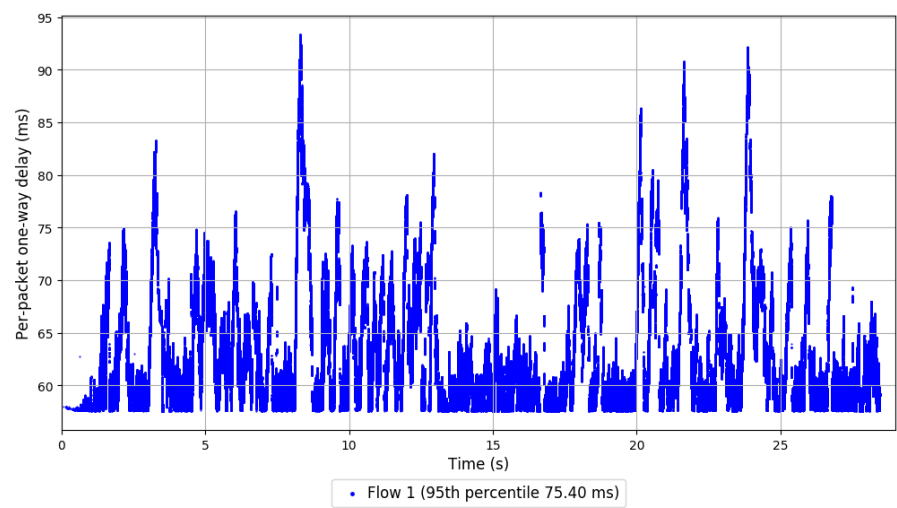
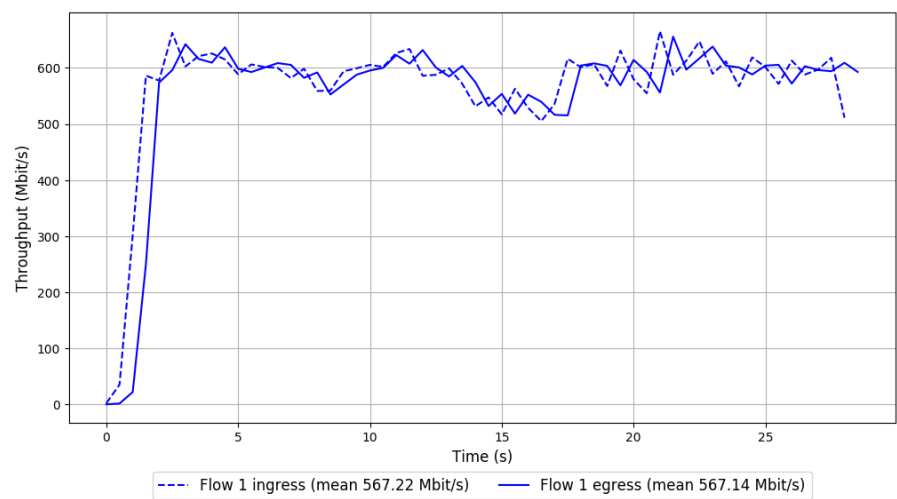
-- Flow 1:

Average throughput: 567.14 Mbit/s

95th percentile per-packet one-way delay: 75.401 ms

Loss rate: 0.02%

Run 2: Report of Indigo-MusesC3 — Data Link

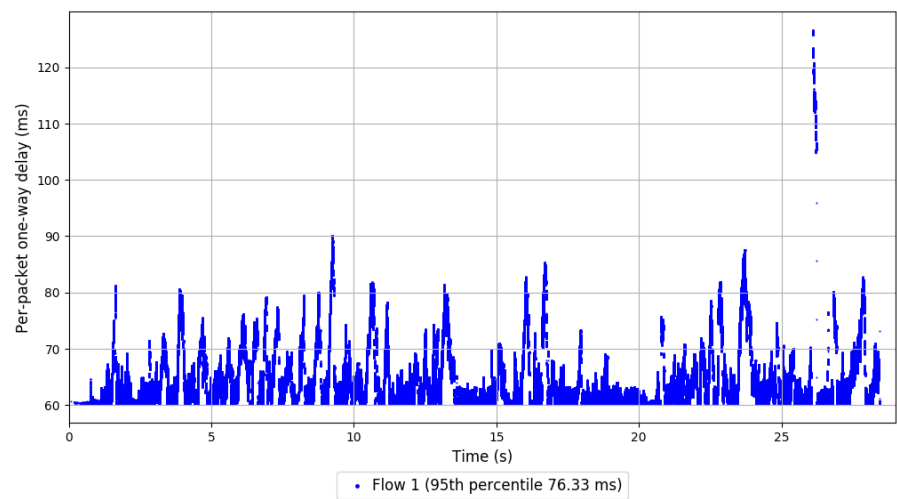
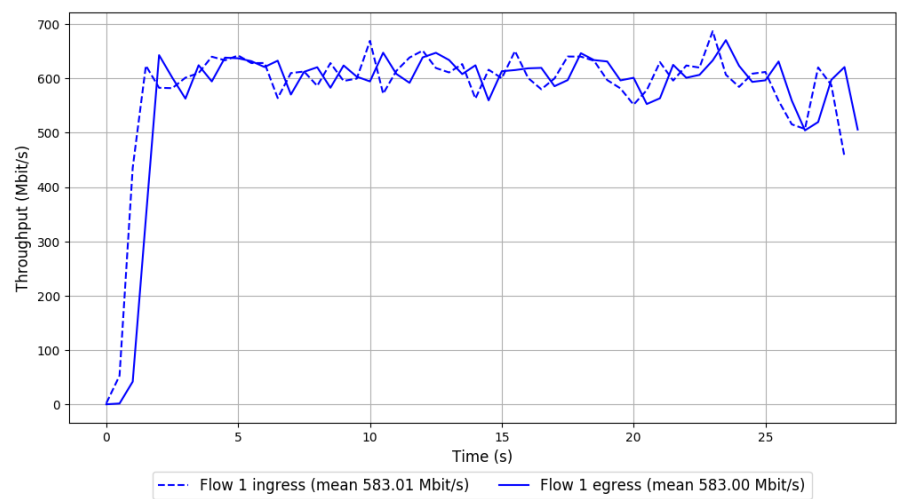


Run 3: Statistics of Indigo-MusesC3

Start at: 2019-03-09 17:48:16
End at: 2019-03-09 17:48:46
Local clock offset: -0.112 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2019-03-09 20:28:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 583.00 Mbit/s
95th percentile per-packet one-way delay: 76.326 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 583.00 Mbit/s
95th percentile per-packet one-way delay: 76.326 ms
Loss rate: 0.01%

Run 3: Report of Indigo-MusesC3 — Data Link

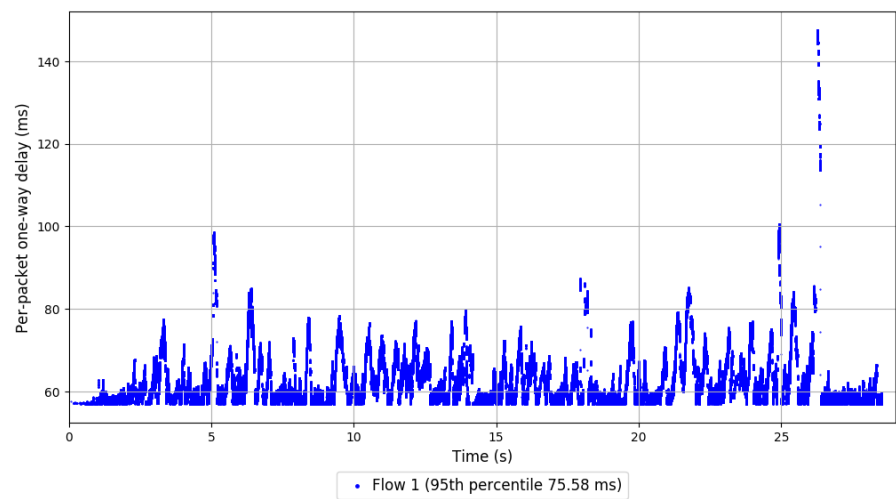
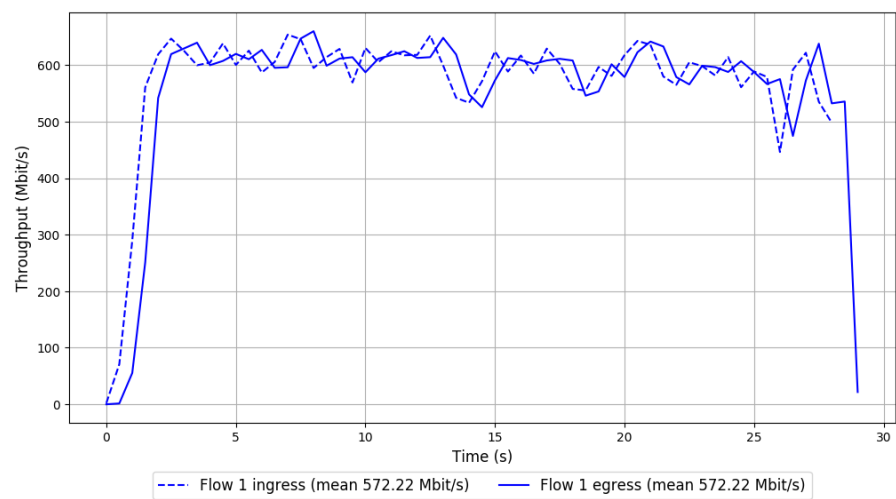


Run 4: Statistics of Indigo-MusesC3

Start at: 2019-03-09 18:23:12
End at: 2019-03-09 18:23:42
Local clock offset: -0.144 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2019-03-09 20:28:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 572.22 Mbit/s
95th percentile per-packet one-way delay: 75.581 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 572.22 Mbit/s
95th percentile per-packet one-way delay: 75.581 ms
Loss rate: 0.00%

Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2019-03-09 18:57:53

End at: 2019-03-09 18:58:23

Local clock offset: 0.188 ms

Remote clock offset: -0.28 ms

Below is generated by plot.py at 2019-03-09 20:28:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 581.08 Mbit/s

95th percentile per-packet one-way delay: 74.443 ms

Loss rate: 0.00%

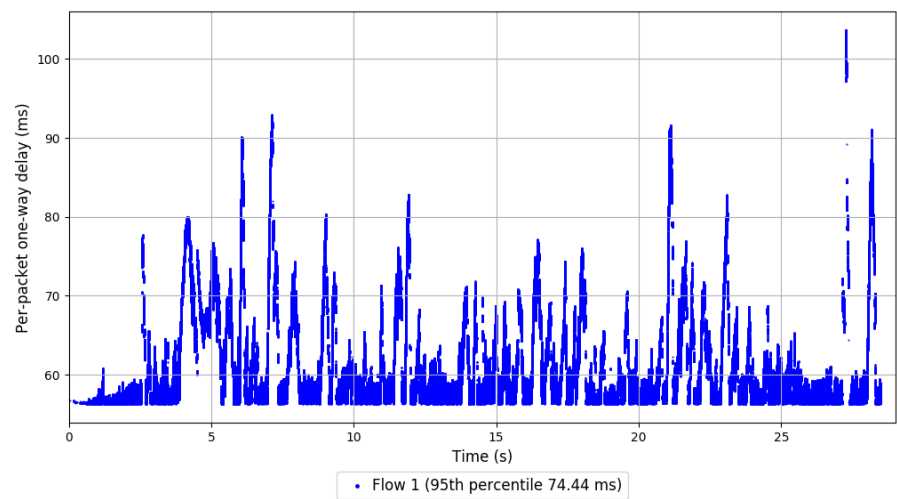
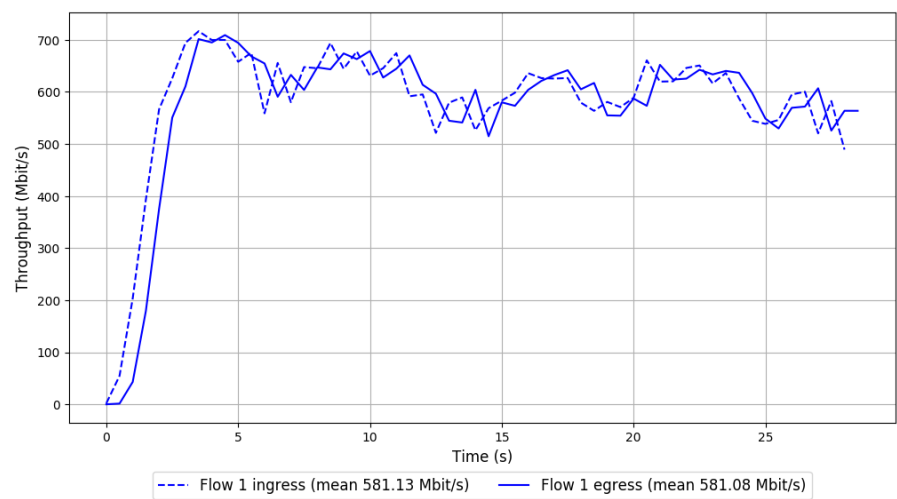
-- Flow 1:

Average throughput: 581.08 Mbit/s

95th percentile per-packet one-way delay: 74.443 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

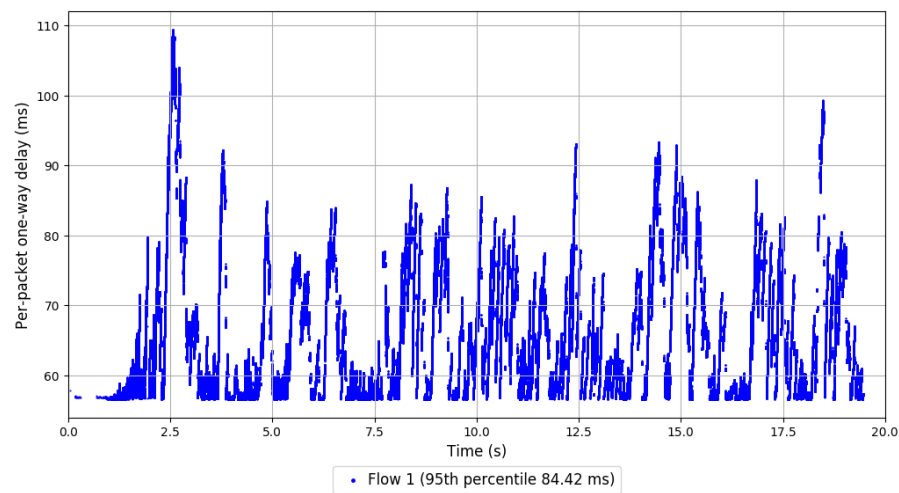
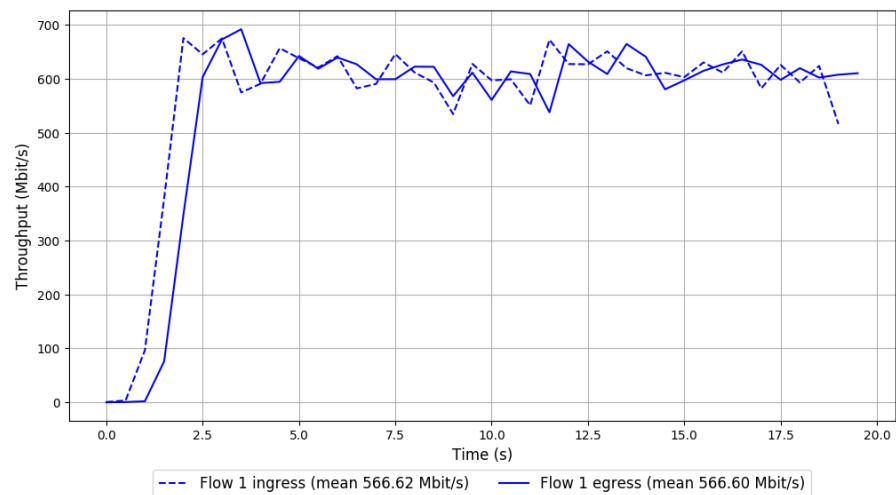
Start at: 2019-03-09 16:34:05

End at: 2019-03-09 16:34:35

Local clock offset: 0.218 ms

Remote clock offset: 0.015 ms

Run 1: Report of Indigo-MusesC5 — Data Link



Run 2: Statistics of Indigo-MusesC5

Start at: 2019-03-09 17:07:35

End at: 2019-03-09 17:08:05

Local clock offset: 0.269 ms

Remote clock offset: 0.084 ms

Below is generated by plot.py at 2019-03-09 20:32:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 599.88 Mbit/s

95th percentile per-packet one-way delay: 83.141 ms

Loss rate: 0.08%

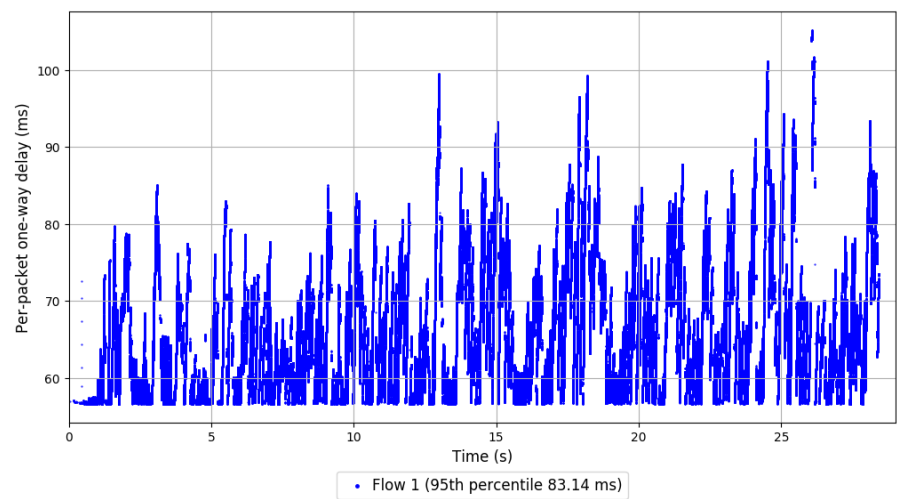
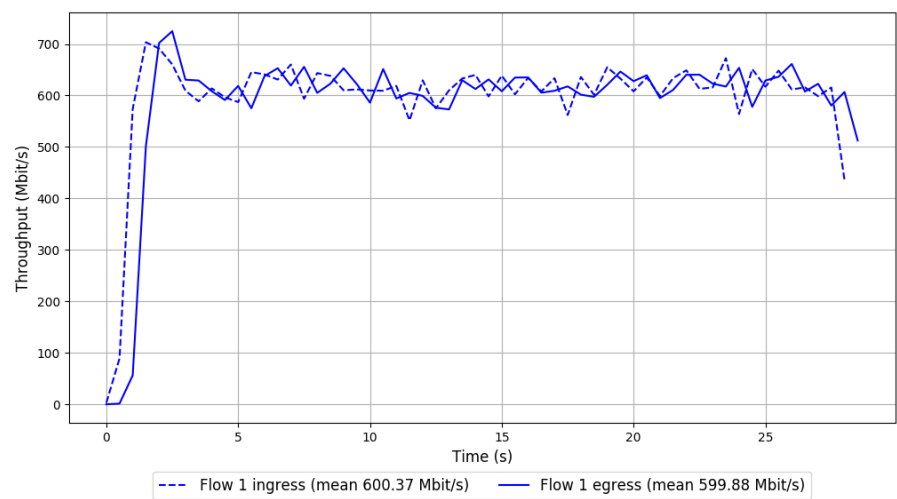
-- Flow 1:

Average throughput: 599.88 Mbit/s

95th percentile per-packet one-way delay: 83.141 ms

Loss rate: 0.08%

Run 2: Report of Indigo-MusesC5 — Data Link

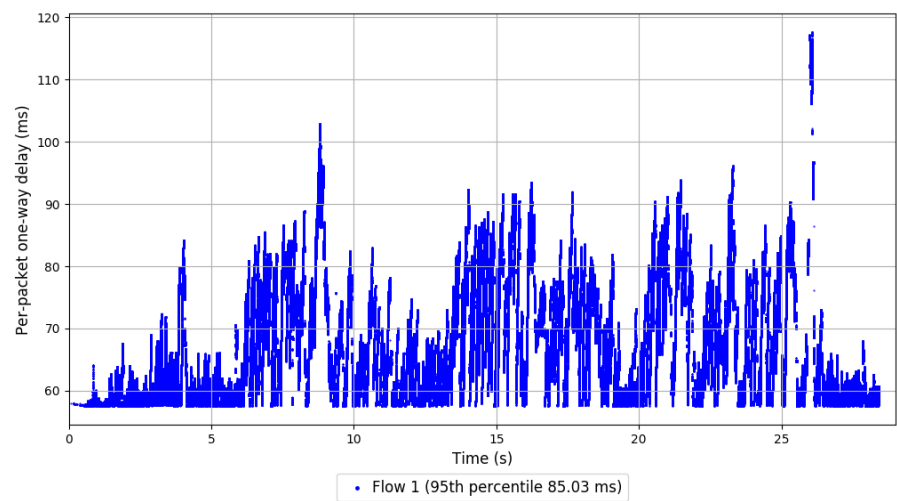
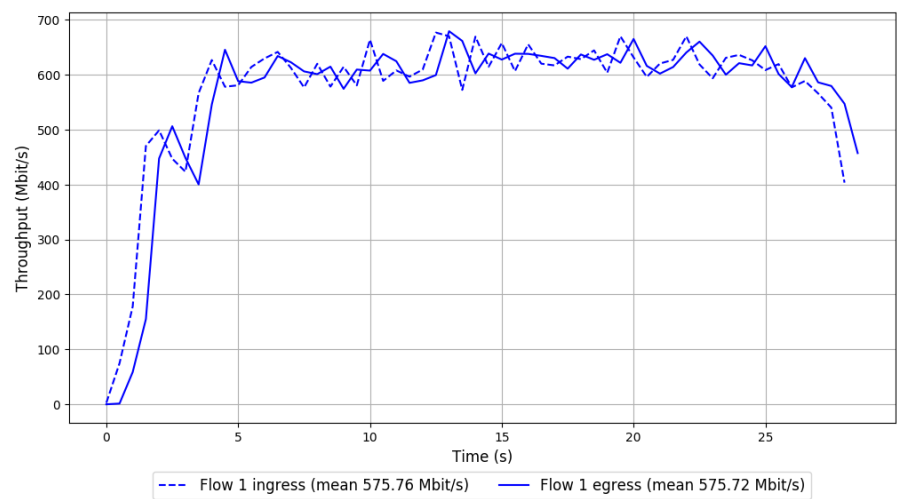


Run 3: Statistics of Indigo-MusesC5

Start at: 2019-03-09 17:42:06
End at: 2019-03-09 17:42:36
Local clock offset: -0.39 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2019-03-09 20:32:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 575.72 Mbit/s
95th percentile per-packet one-way delay: 85.032 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 575.72 Mbit/s
95th percentile per-packet one-way delay: 85.032 ms
Loss rate: 0.01%

Run 3: Report of Indigo-MusesC5 — Data Link

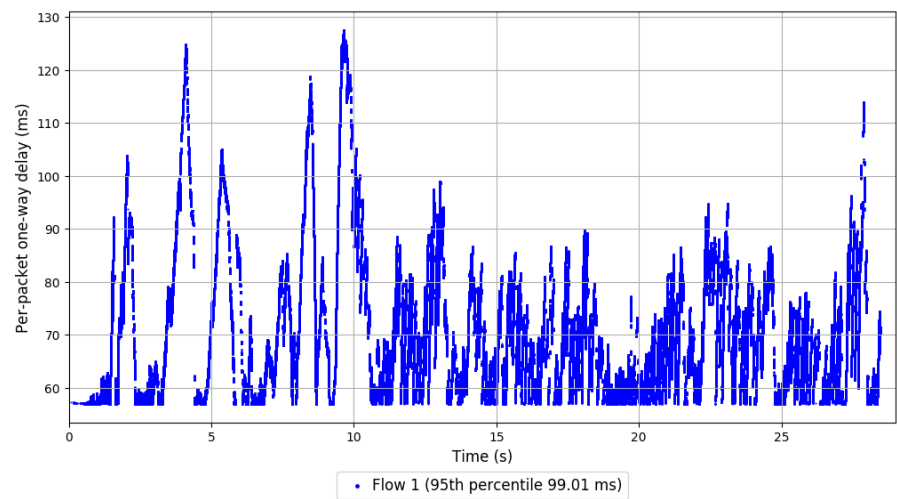
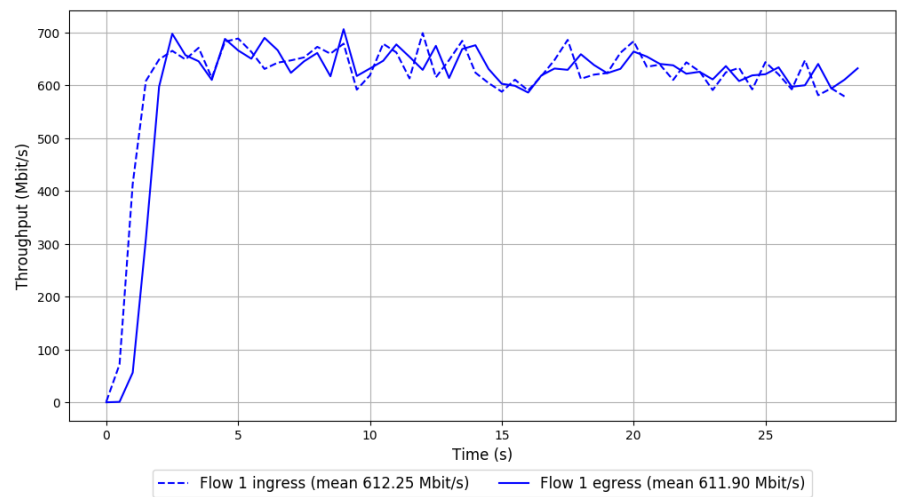


Run 4: Statistics of Indigo-MusesC5

Start at: 2019-03-09 18:16:51
End at: 2019-03-09 18:17:21
Local clock offset: -0.442 ms
Remote clock offset: -0.261 ms

Below is generated by plot.py at 2019-03-09 20:37:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 611.90 Mbit/s
95th percentile per-packet one-way delay: 99.013 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 611.90 Mbit/s
95th percentile per-packet one-way delay: 99.013 ms
Loss rate: 0.06%

Run 4: Report of Indigo-MusesC5 — Data Link

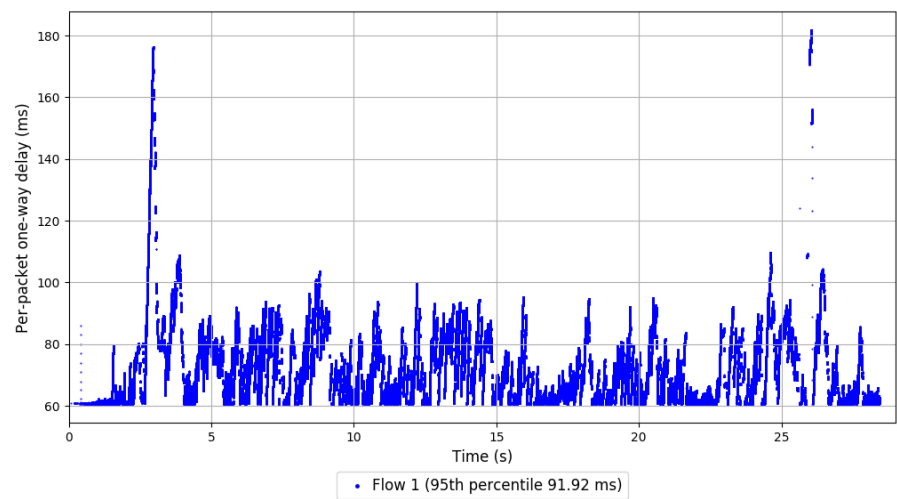
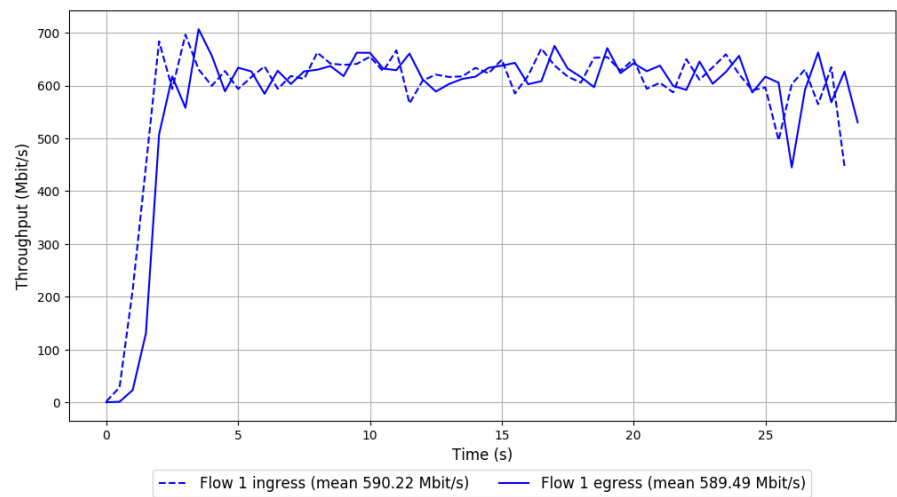


Run 5: Statistics of Indigo-MusesC5

Start at: 2019-03-09 18:51:38
End at: 2019-03-09 18:52:08
Local clock offset: -0.438 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2019-03-09 20:38:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 589.49 Mbit/s
95th percentile per-packet one-way delay: 91.919 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 589.49 Mbit/s
95th percentile per-packet one-way delay: 91.919 ms
Loss rate: 0.14%

Run 5: Report of Indigo-MusesC5 — Data Link

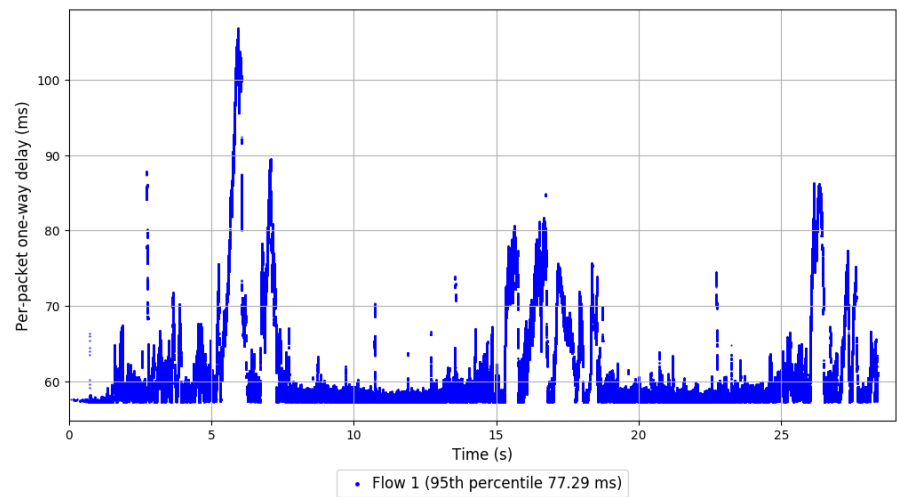
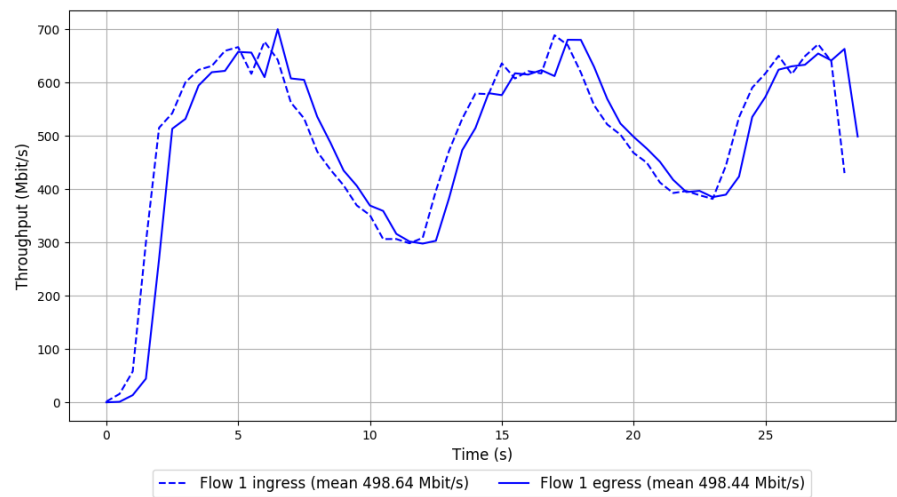



```
Run 1: Statistics of Indigo-MusesD

Start at: 2019-03-09 16:56:04
End at: 2019-03-09 16:56:34
Local clock offset: -0.384 ms
Remote clock offset: -0.282 ms

# Below is generated by plot.py at 2019-03-09 20:38:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 498.44 Mbit/s
95th percentile per-packet one-way delay: 77.287 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 498.44 Mbit/s
95th percentile per-packet one-way delay: 77.287 ms
Loss rate: 0.04%
```

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-03-09 17:30:18

End at: 2019-03-09 17:30:48

Local clock offset: 0.063 ms

Remote clock offset: -0.121 ms

Below is generated by plot.py at 2019-03-09 20:38:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 485.97 Mbit/s

95th percentile per-packet one-way delay: 88.580 ms

Loss rate: 0.03%

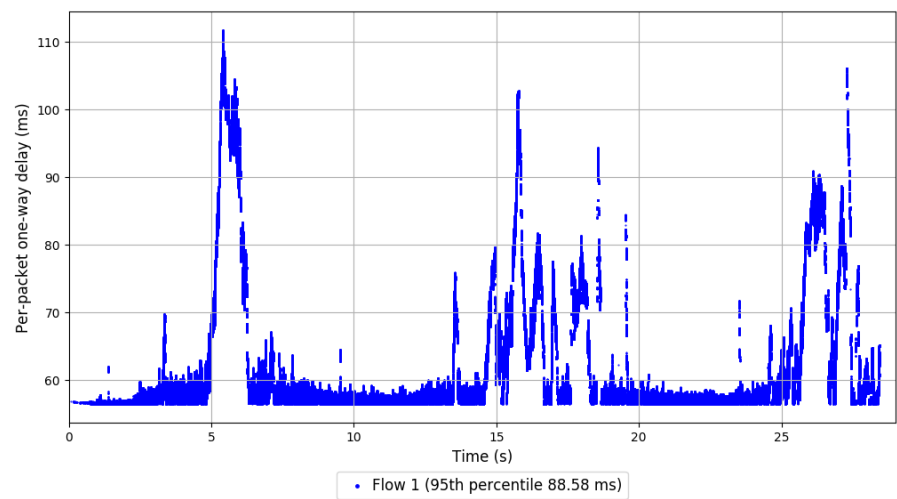
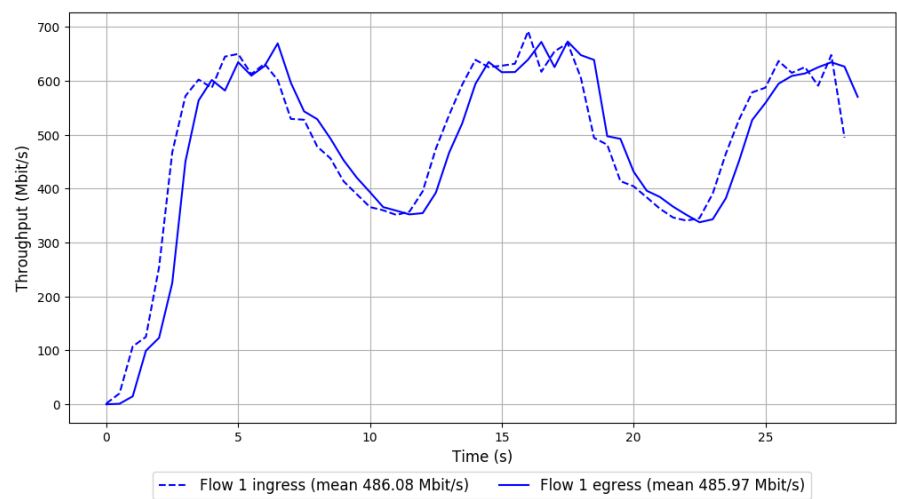
-- Flow 1:

Average throughput: 485.97 Mbit/s

95th percentile per-packet one-way delay: 88.580 ms

Loss rate: 0.03%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-03-09 18:05:01

End at: 2019-03-09 18:05:31

Local clock offset: 0.322 ms

Remote clock offset: -0.174 ms

Below is generated by plot.py at 2019-03-09 20:38:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 504.31 Mbit/s

95th percentile per-packet one-way delay: 83.384 ms

Loss rate: 0.05%

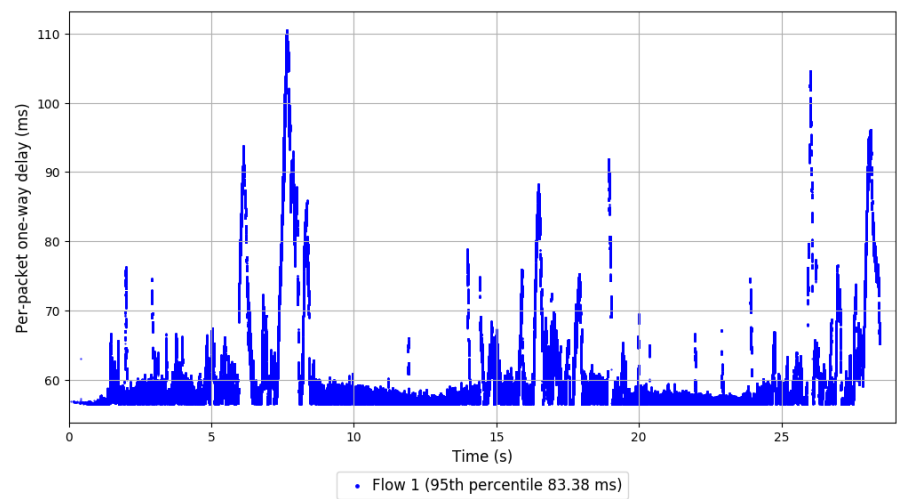
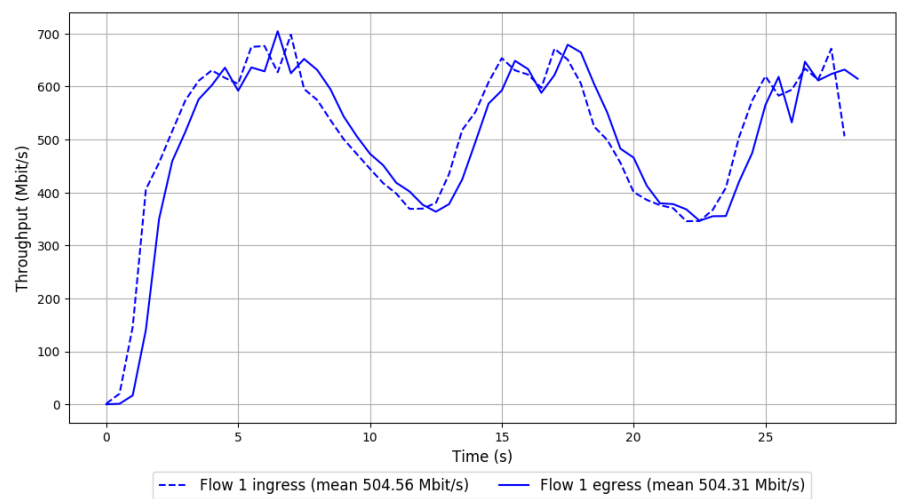
-- Flow 1:

Average throughput: 504.31 Mbit/s

95th percentile per-packet one-way delay: 83.384 ms

Loss rate: 0.05%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-03-09 18:40:11

End at: 2019-03-09 18:40:41

Local clock offset: -0.518 ms

Remote clock offset: 0.048 ms

Below is generated by plot.py at 2019-03-09 20:38:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 488.88 Mbit/s

95th percentile per-packet one-way delay: 72.521 ms

Loss rate: 0.02%

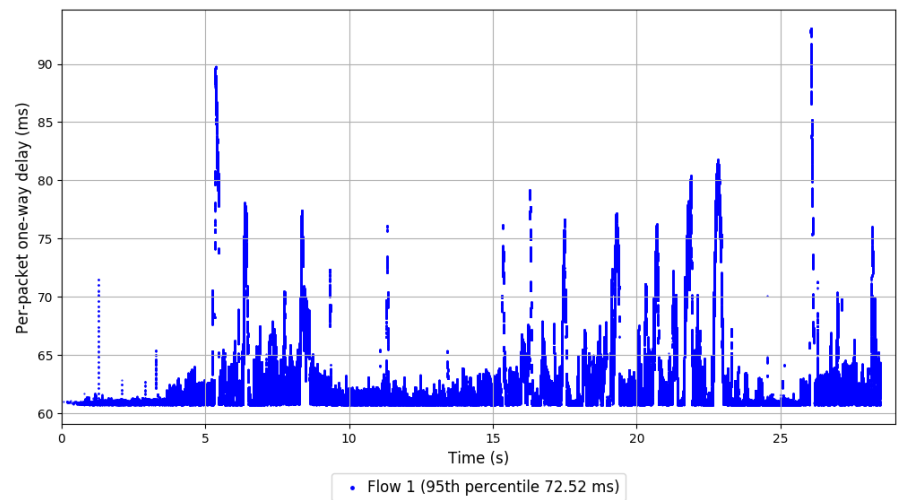
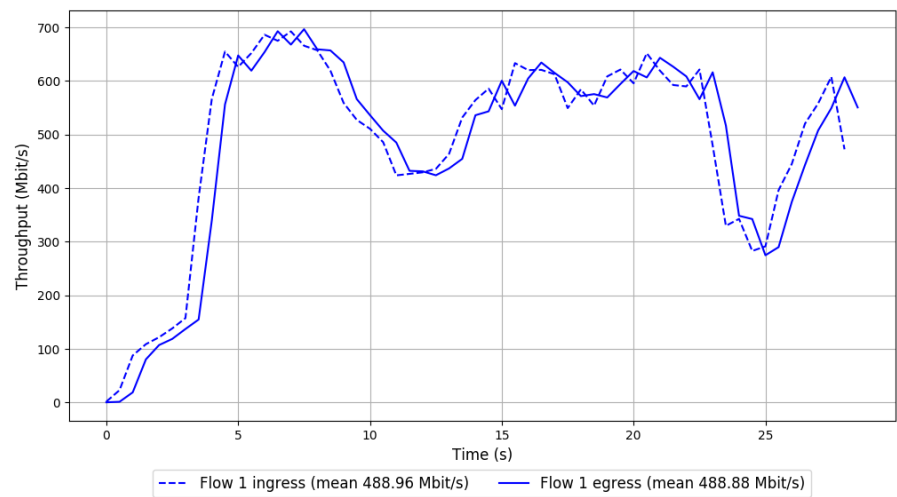
-- Flow 1:

Average throughput: 488.88 Mbit/s

95th percentile per-packet one-way delay: 72.521 ms

Loss rate: 0.02%

Run 4: Report of Indigo-MusesD — Data Link

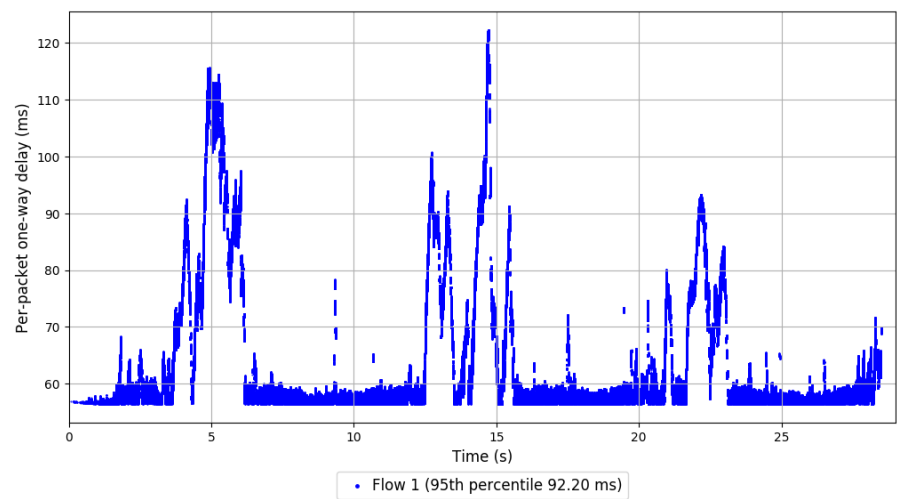
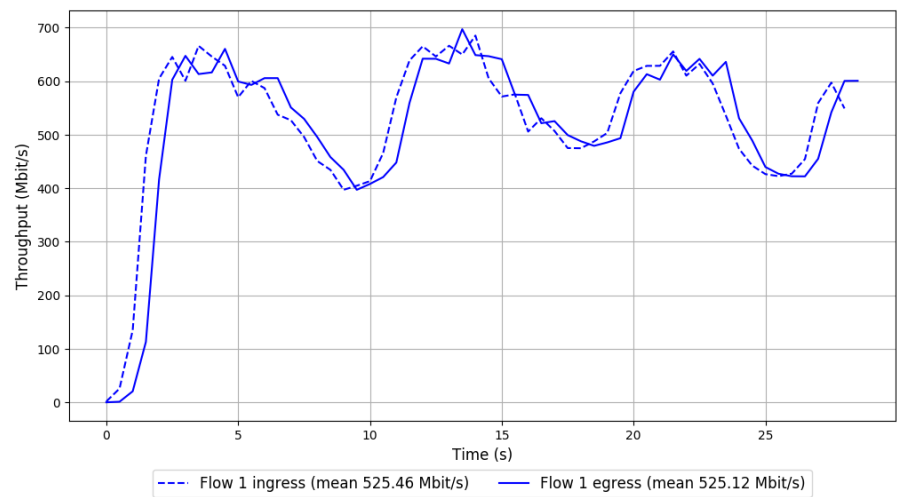


Run 5: Statistics of Indigo-MusesD

Start at: 2019-03-09 19:15:12
End at: 2019-03-09 19:15:42
Local clock offset: -0.196 ms
Remote clock offset: -0.643 ms

Below is generated by plot.py at 2019-03-09 20:42:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 525.12 Mbit/s
95th percentile per-packet one-way delay: 92.203 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 525.12 Mbit/s
95th percentile per-packet one-way delay: 92.203 ms
Loss rate: 0.06%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MusesT

Start at: 2019-03-09 16:52:21

End at: 2019-03-09 16:52:51

Local clock offset: -0.174 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2019-03-09 20:44:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 635.95 Mbit/s

95th percentile per-packet one-way delay: 116.334 ms

Loss rate: 0.07%

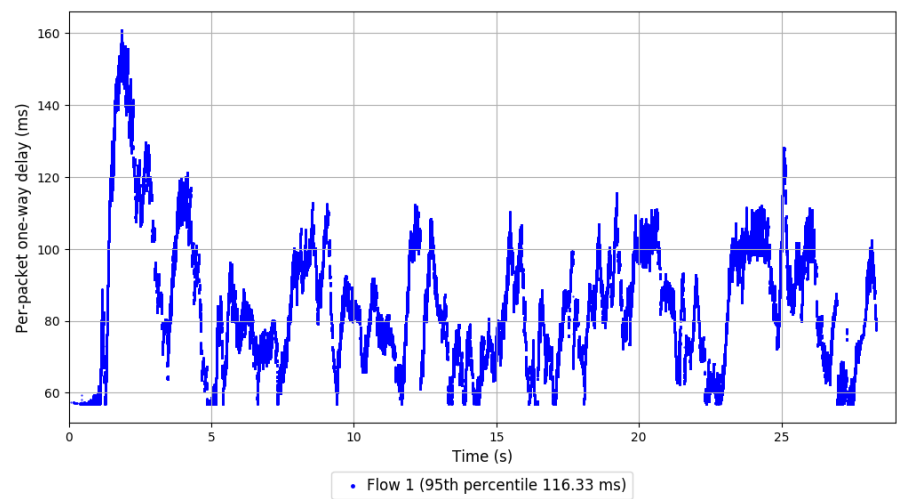
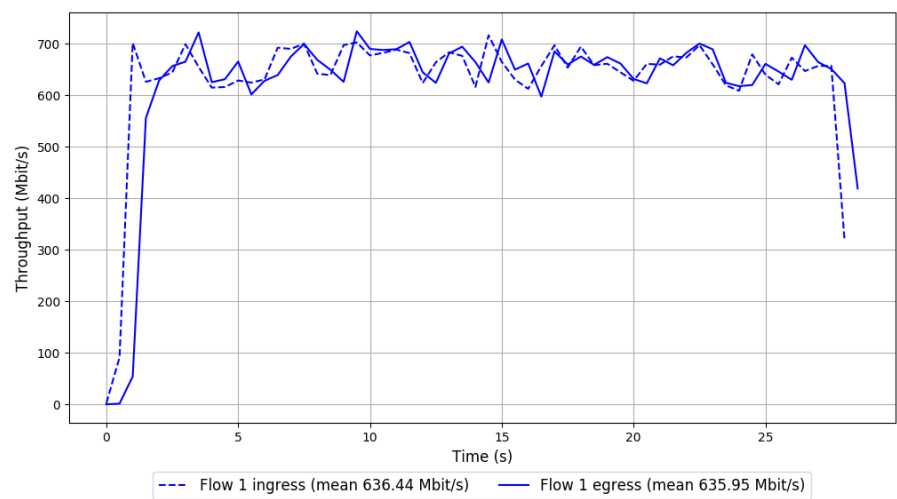
-- Flow 1:

Average throughput: 635.95 Mbit/s

95th percentile per-packet one-way delay: 116.334 ms

Loss rate: 0.07%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-03-09 17:26:31

End at: 2019-03-09 17:27:01

Local clock offset: 0.309 ms

Remote clock offset: 0.376 ms

Below is generated by plot.py at 2019-03-09 20:46:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 573.19 Mbit/s

95th percentile per-packet one-way delay: 88.435 ms

Loss rate: 0.01%

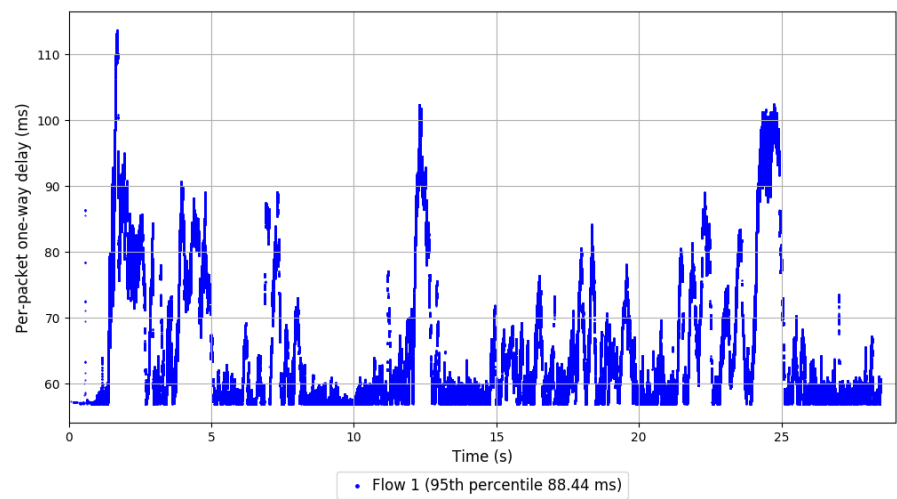
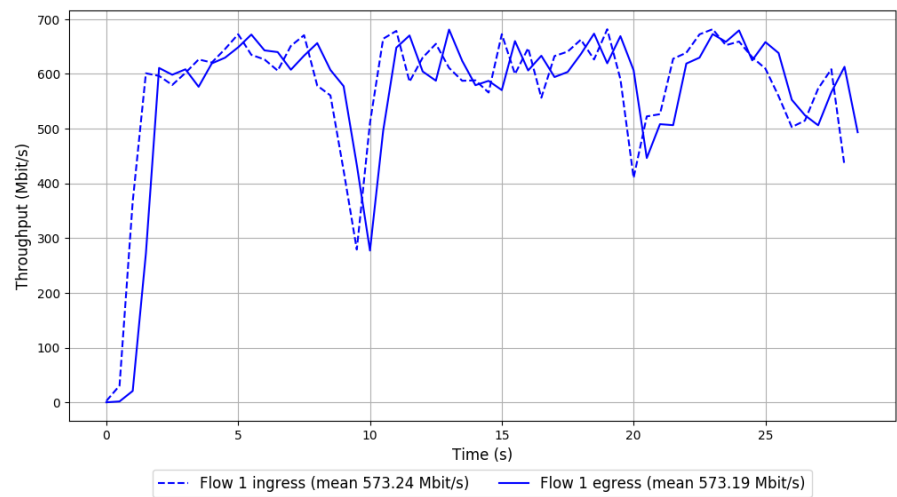
-- Flow 1:

Average throughput: 573.19 Mbit/s

95th percentile per-packet one-way delay: 88.435 ms

Loss rate: 0.01%

Run 2: Report of Indigo-MusesT — Data Link

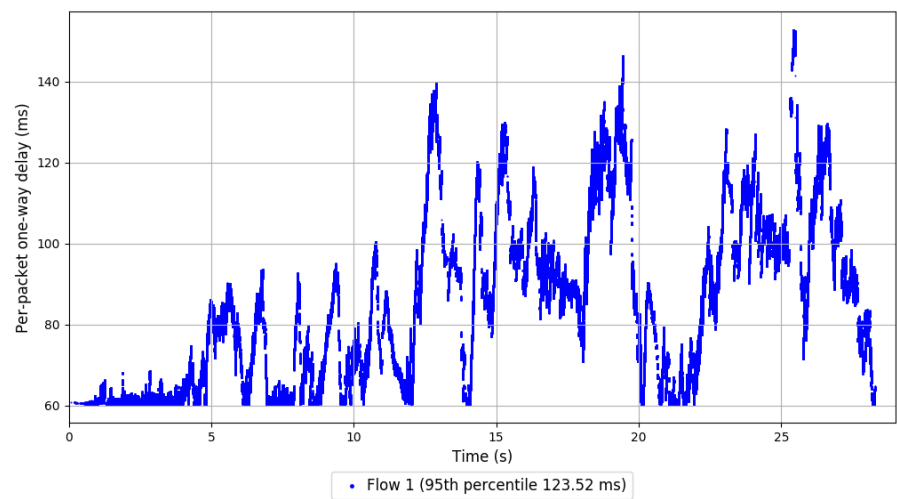
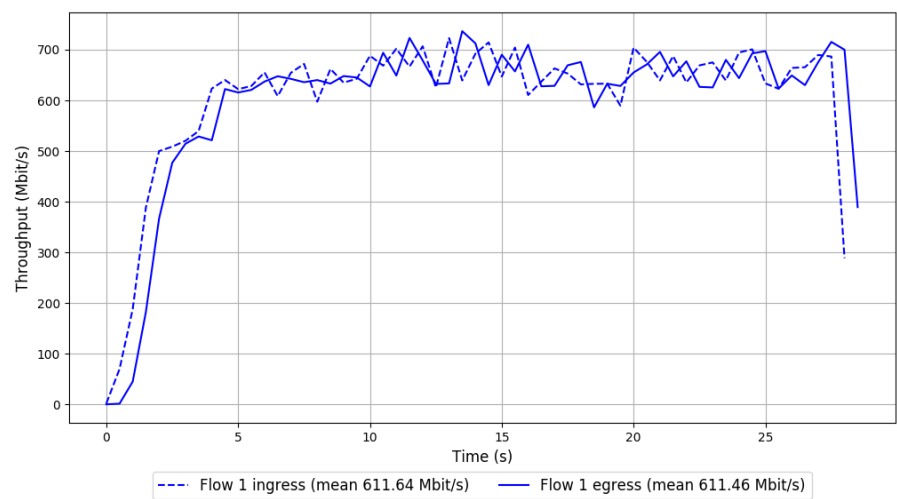


Run 3: Statistics of Indigo-MusesT

Start at: 2019-03-09 18:01:03
End at: 2019-03-09 18:01:33
Local clock offset: -0.447 ms
Remote clock offset: -0.107 ms

Below is generated by plot.py at 2019-03-09 20:47:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 611.46 Mbit/s
95th percentile per-packet one-way delay: 123.515 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 611.46 Mbit/s
95th percentile per-packet one-way delay: 123.515 ms
Loss rate: 0.04%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2019-03-09 18:36:22

End at: 2019-03-09 18:36:52

Local clock offset: 0.31 ms

Remote clock offset: -0.139 ms

Below is generated by plot.py at 2019-03-09 20:47:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 603.37 Mbit/s

95th percentile per-packet one-way delay: 117.183 ms

Loss rate: 0.15%

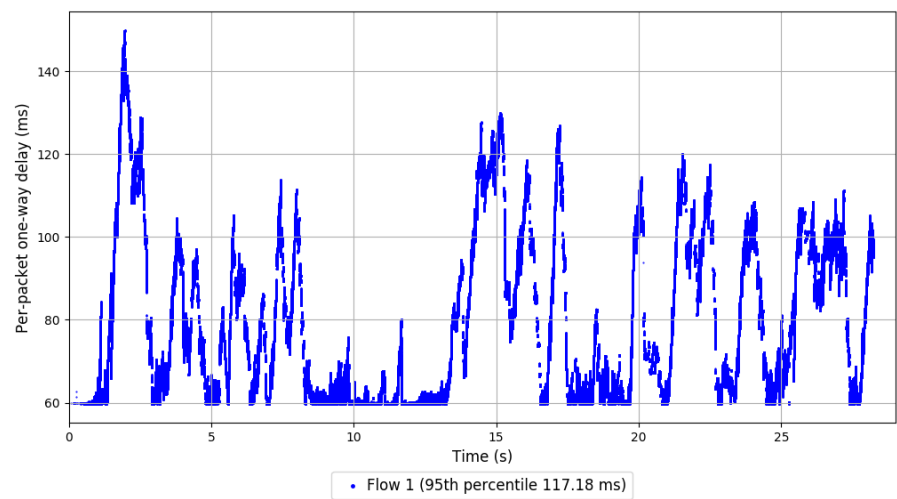
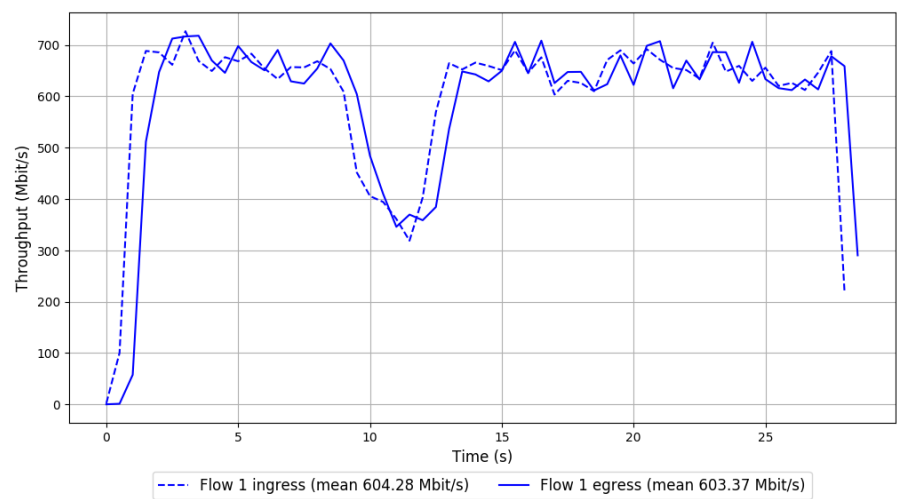
-- Flow 1:

Average throughput: 603.37 Mbit/s

95th percentile per-packet one-way delay: 117.183 ms

Loss rate: 0.15%

Run 4: Report of Indigo-MusesT — Data Link

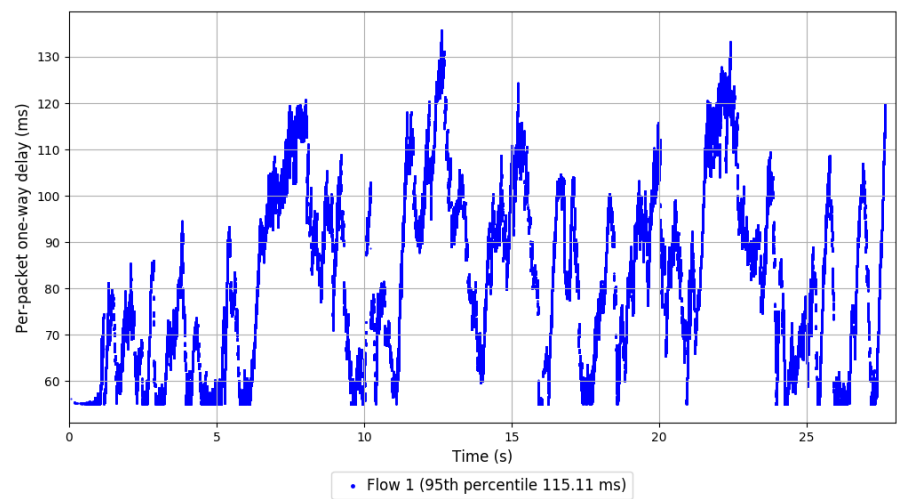
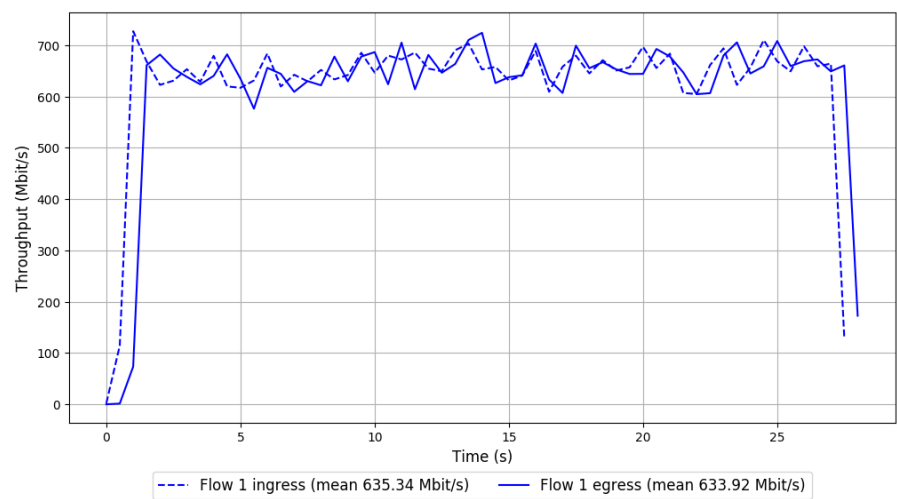


Run 5: Statistics of Indigo-MusesT

Start at: 2019-03-09 19:11:26
End at: 2019-03-09 19:11:56
Local clock offset: 0.245 ms
Remote clock offset: -1.455 ms

Below is generated by plot.py at 2019-03-09 20:48:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 633.92 Mbit/s
95th percentile per-packet one-way delay: 115.114 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 633.92 Mbit/s
95th percentile per-packet one-way delay: 115.114 ms
Loss rate: 0.22%

Run 5: Report of Indigo-MusesT — Data Link

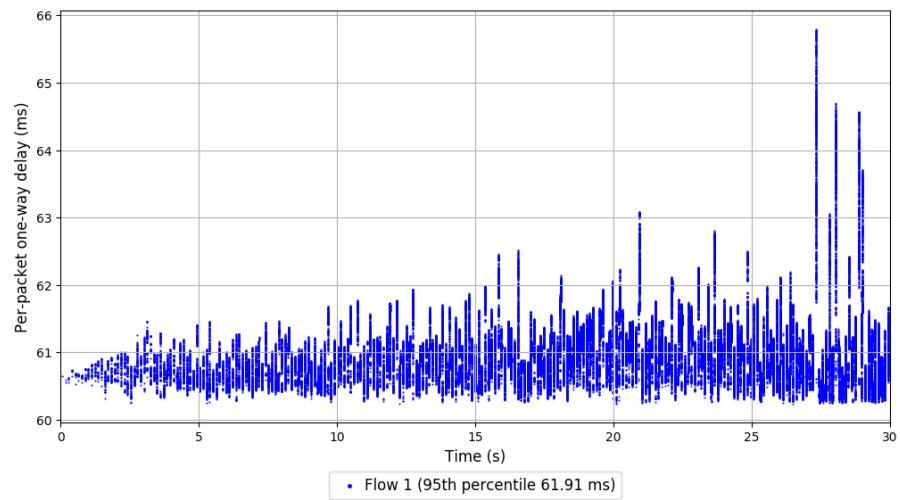
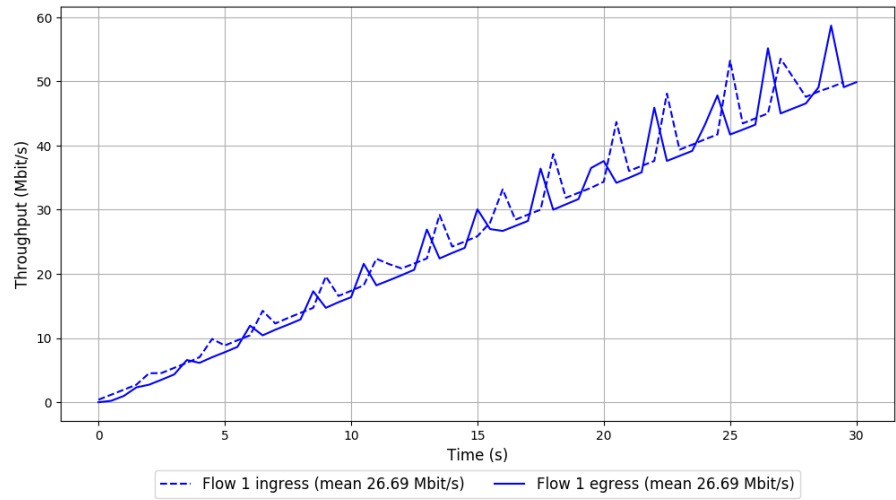


Run 1: Statistics of LEDBAT

Start at: 2019-03-09 16:57:41
End at: 2019-03-09 16:58:11
Local clock offset: -0.306 ms
Remote clock offset: -0.283 ms

Below is generated by plot.py at 2019-03-09 20:48:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 26.69 Mbit/s
95th percentile per-packet one-way delay: 61.912 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 26.69 Mbit/s
95th percentile per-packet one-way delay: 61.912 ms
Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link

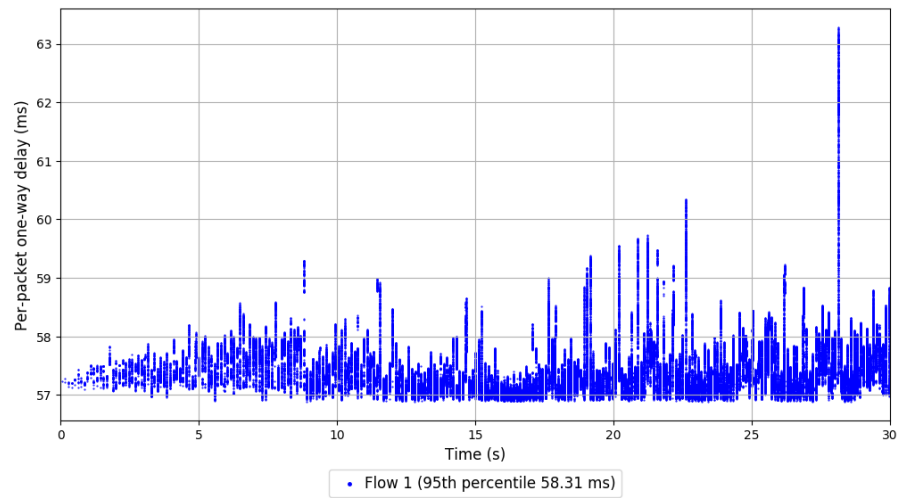
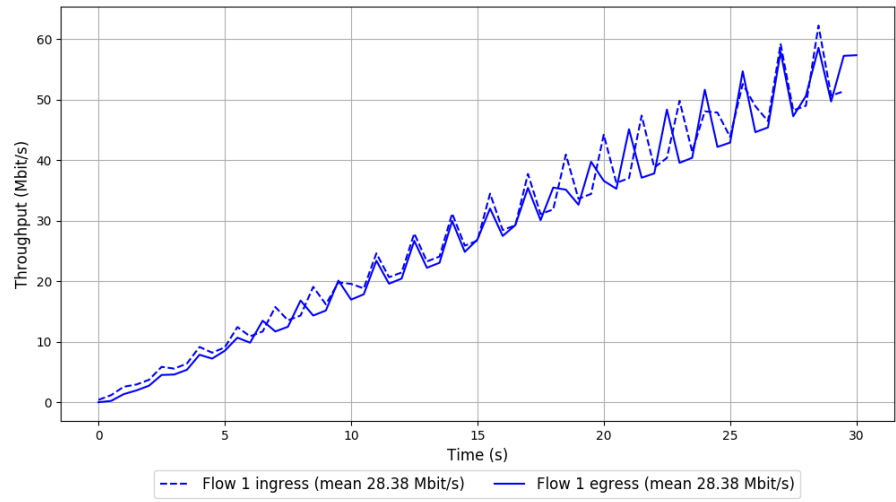


Run 2: Statistics of LEDBAT

Start at: 2019-03-09 17:31:57
End at: 2019-03-09 17:32:27
Local clock offset: -0.129 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2019-03-09 20:48:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 28.38 Mbit/s
95th percentile per-packet one-way delay: 58.315 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 28.38 Mbit/s
95th percentile per-packet one-way delay: 58.315 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

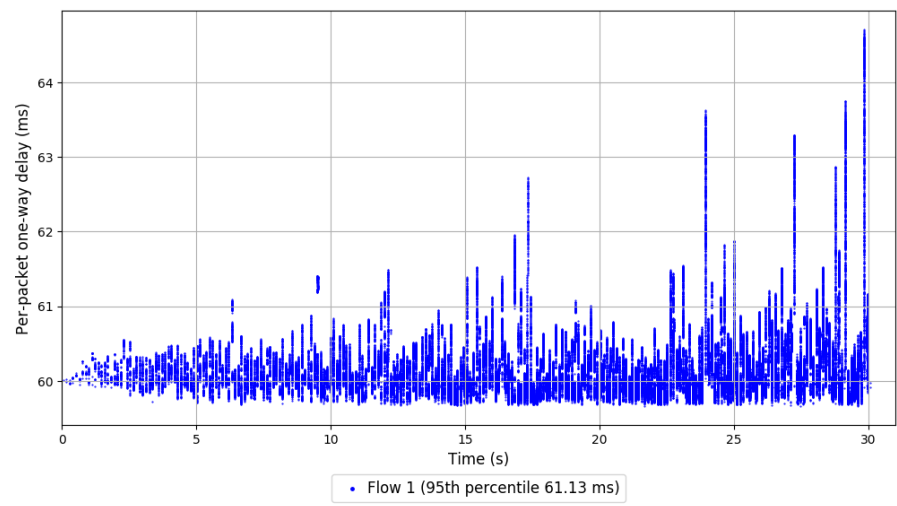
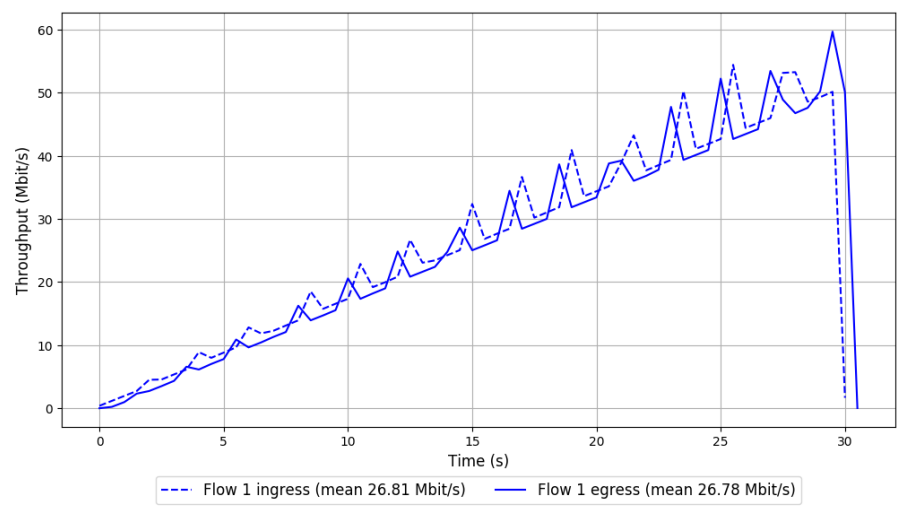


Run 3: Statistics of LEDBAT

Start at: 2019-03-09 18:06:43
End at: 2019-03-09 18:07:13
Local clock offset: 0.168 ms
Remote clock offset: -0.107 ms

Below is generated by plot.py at 2019-03-09 20:48:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 26.78 Mbit/s
95th percentile per-packet one-way delay: 61.135 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 26.78 Mbit/s
95th percentile per-packet one-way delay: 61.135 ms
Loss rate: 0.11%

Run 3: Report of LEDBAT — Data Link

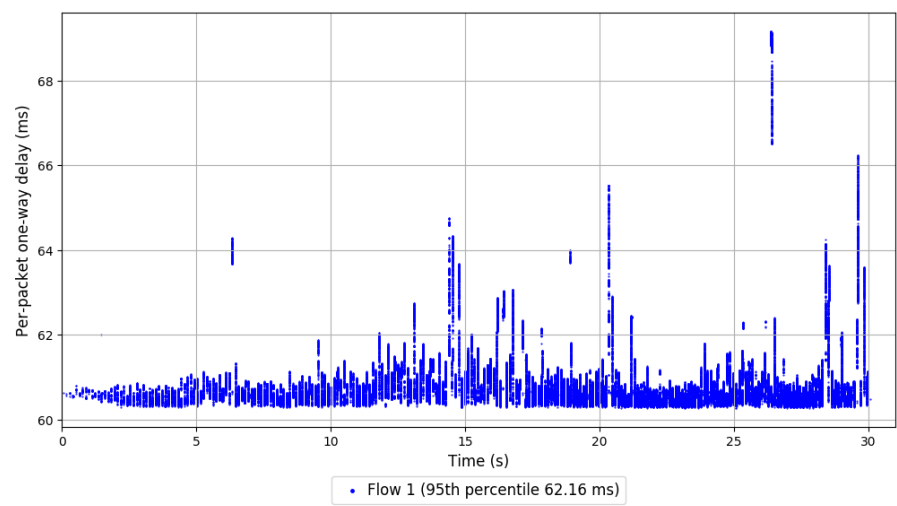
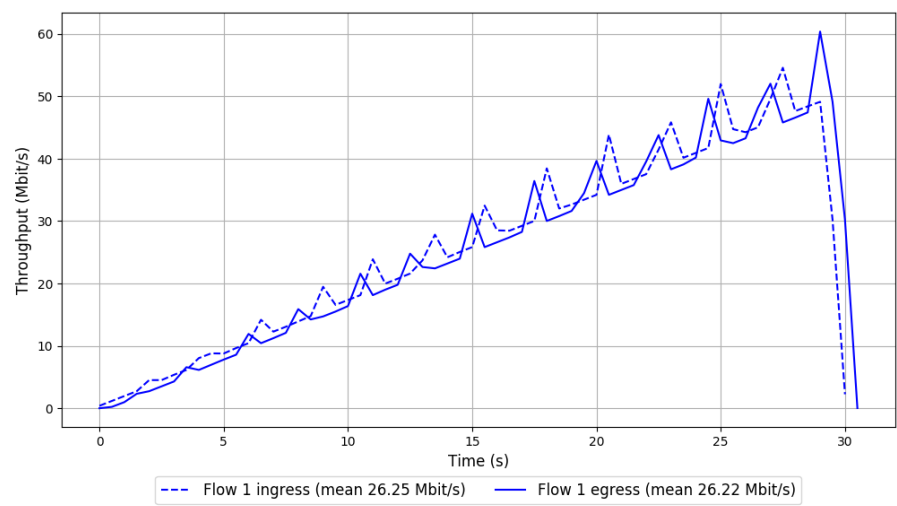


Run 4: Statistics of LEDBAT

Start at: 2019-03-09 18:41:53
End at: 2019-03-09 18:42:24
Local clock offset: -0.158 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2019-03-09 20:48:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 26.22 Mbit/s
95th percentile per-packet one-way delay: 62.160 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 26.22 Mbit/s
95th percentile per-packet one-way delay: 62.160 ms
Loss rate: 0.14%

Run 4: Report of LEDBAT — Data Link

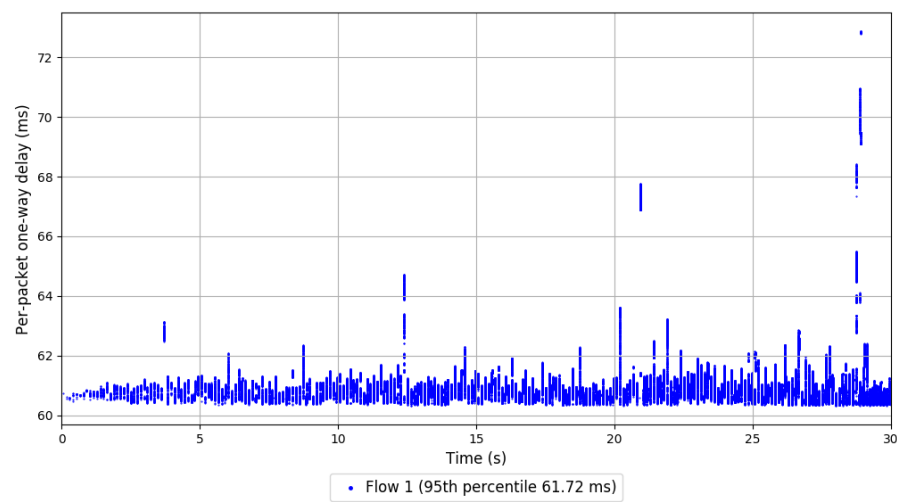
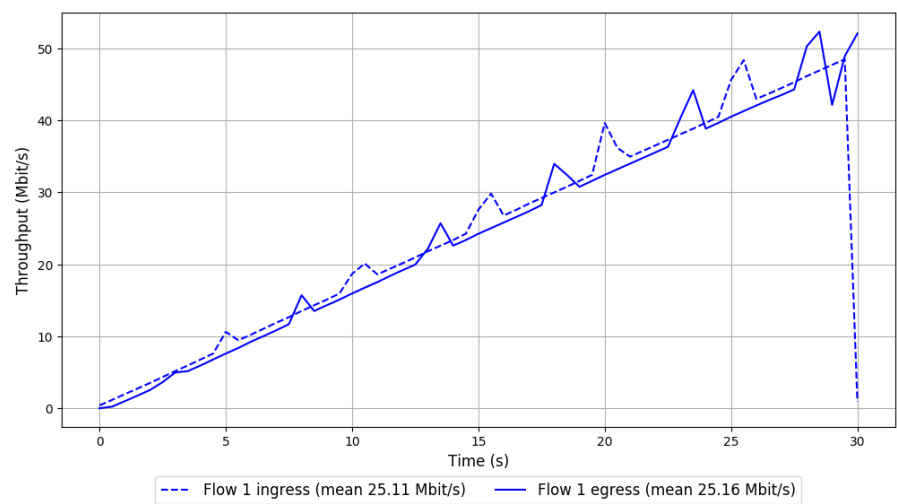


Run 5: Statistics of LEDBAT

Start at: 2019-03-09 19:17:01
End at: 2019-03-09 19:17:31
Local clock offset: -0.359 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2019-03-09 20:48:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 25.16 Mbit/s
95th percentile per-packet one-way delay: 61.721 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 25.16 Mbit/s
95th percentile per-packet one-way delay: 61.721 ms
Loss rate: 0.06%

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2019-03-09 16:32:13

End at: 2019-03-09 16:32:43

Local clock offset: -0.551 ms

Remote clock offset: -0.047 ms

Below is generated by plot.py at 2019-03-09 20:54:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 393.99 Mbit/s

95th percentile per-packet one-way delay: 116.313 ms

Loss rate: 0.12%

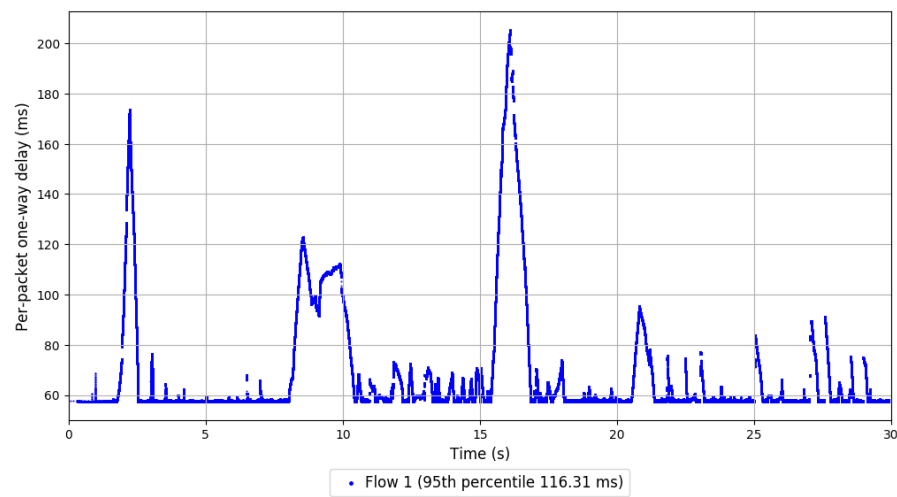
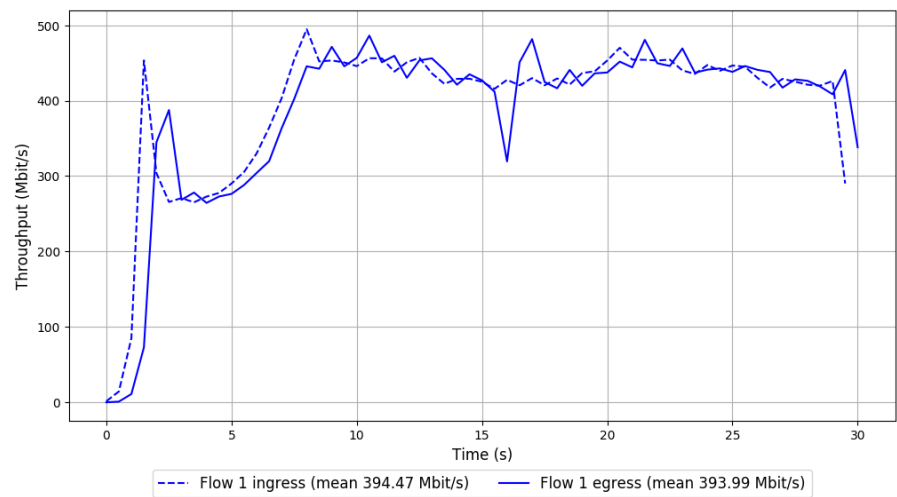
-- Flow 1:

Average throughput: 393.99 Mbit/s

95th percentile per-packet one-way delay: 116.313 ms

Loss rate: 0.12%

Run 1: Report of PCC-Allegro — Data Link

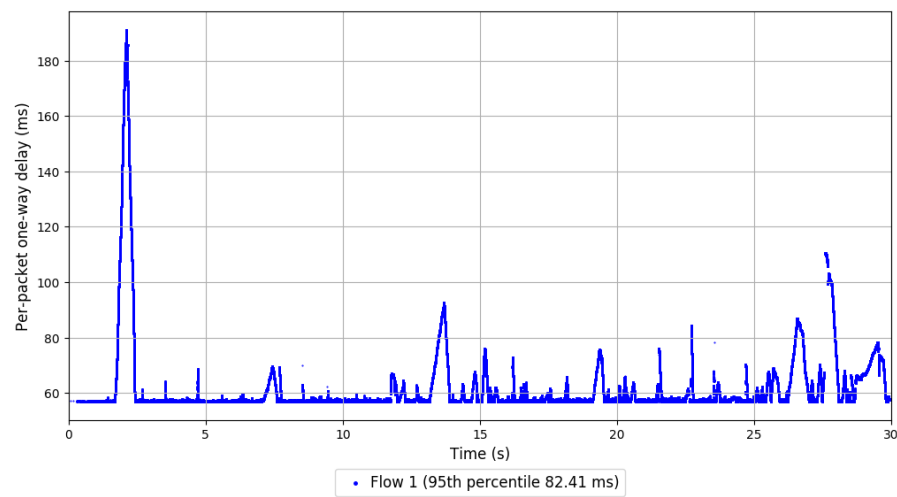
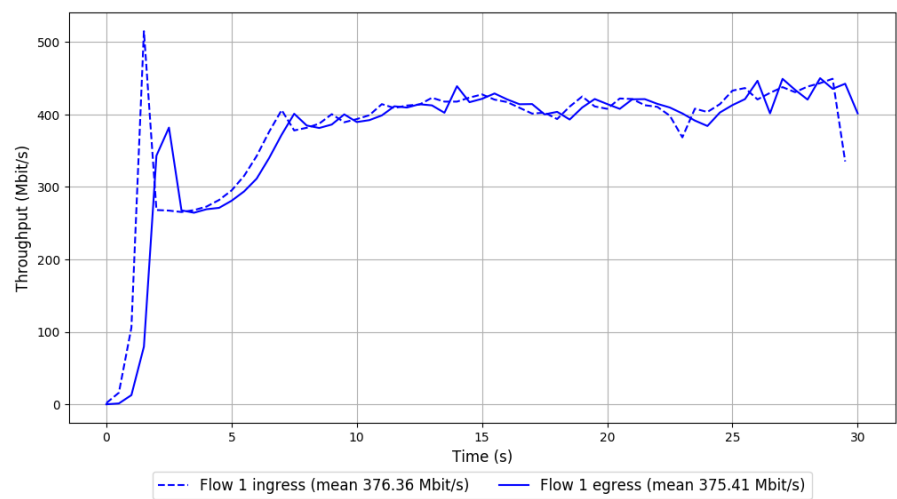


Run 2: Statistics of PCC-Allegro

Start at: 2019-03-09 17:05:51
End at: 2019-03-09 17:06:21
Local clock offset: -0.386 ms
Remote clock offset: -0.273 ms

Below is generated by plot.py at 2019-03-09 20:54:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 375.41 Mbit/s
95th percentile per-packet one-way delay: 82.412 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 375.41 Mbit/s
95th percentile per-packet one-way delay: 82.412 ms
Loss rate: 0.26%

Run 2: Report of PCC-Allegro — Data Link

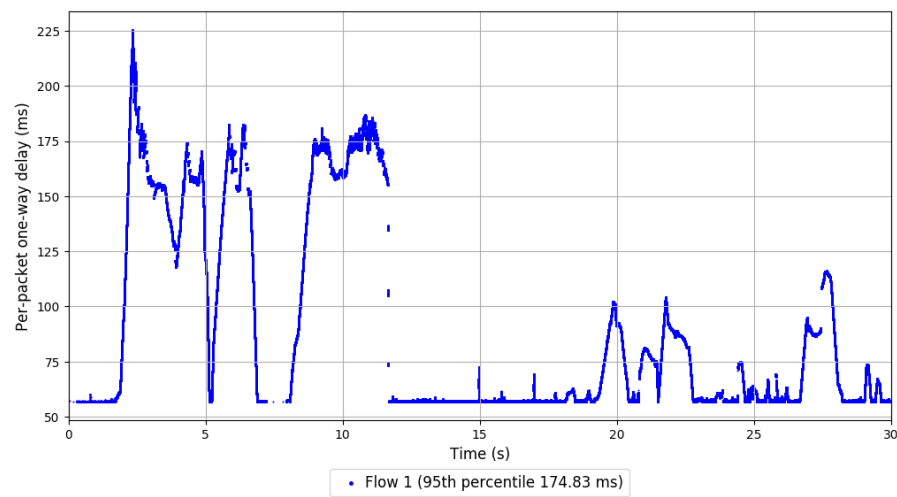
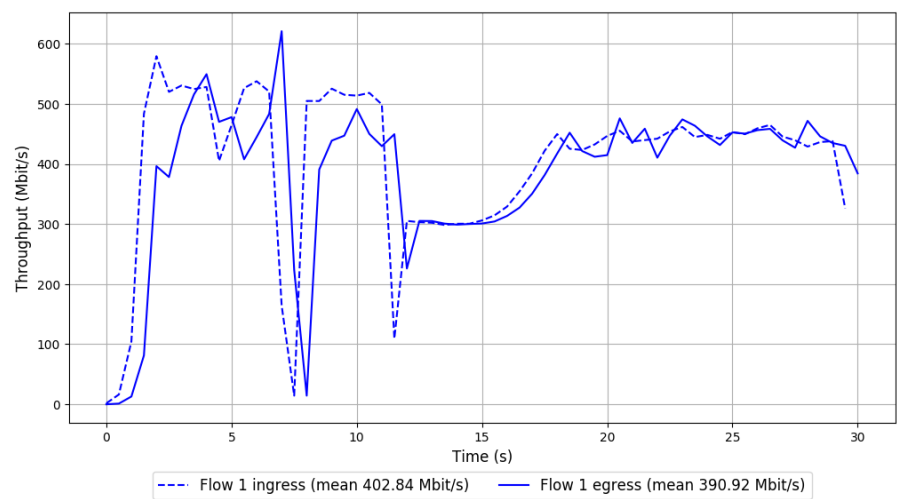


Run 3: Statistics of PCC-Allegro

Start at: 2019-03-09 17:40:09
End at: 2019-03-09 17:40:39
Local clock offset: -0.132 ms
Remote clock offset: -0.228 ms

Below is generated by plot.py at 2019-03-09 20:56:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 390.92 Mbit/s
95th percentile per-packet one-way delay: 174.829 ms
Loss rate: 2.96%
-- Flow 1:
Average throughput: 390.92 Mbit/s
95th percentile per-packet one-way delay: 174.829 ms
Loss rate: 2.96%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-03-09 18:15:00

End at: 2019-03-09 18:15:30

Local clock offset: 0.108 ms

Remote clock offset: -0.295 ms

Below is generated by plot.py at 2019-03-09 20:58:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 381.46 Mbit/s

95th percentile per-packet one-way delay: 119.930 ms

Loss rate: 0.11%

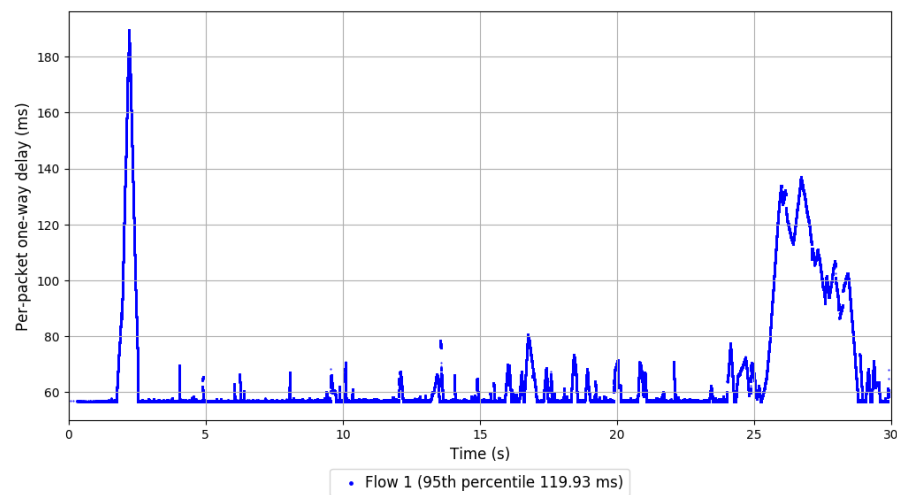
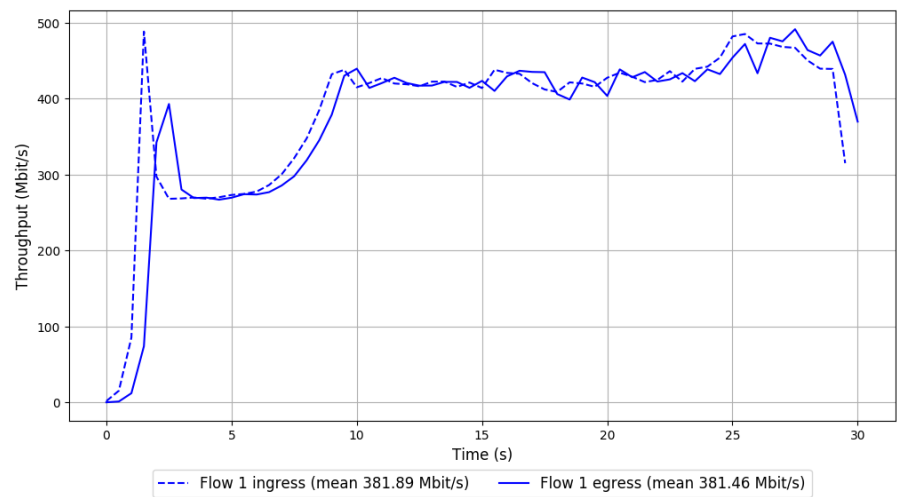
-- Flow 1:

Average throughput: 381.46 Mbit/s

95th percentile per-packet one-way delay: 119.930 ms

Loss rate: 0.11%

Run 4: Report of PCC-Allegro — Data Link

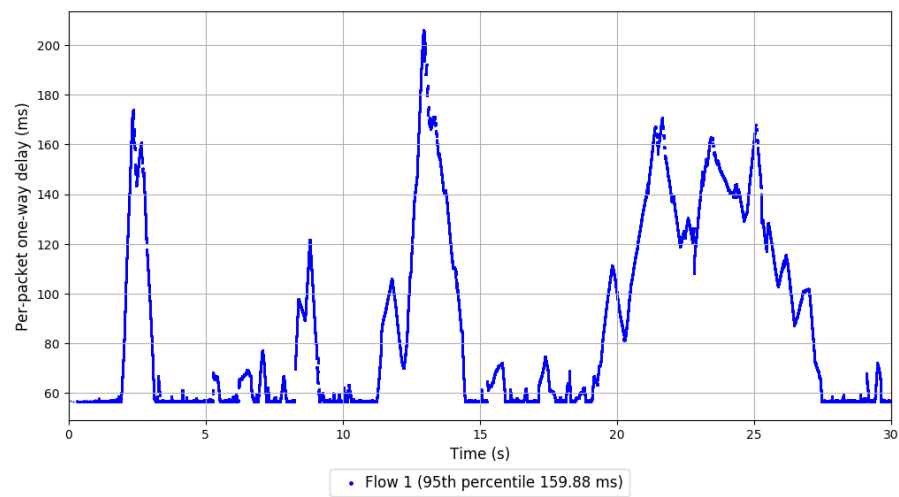
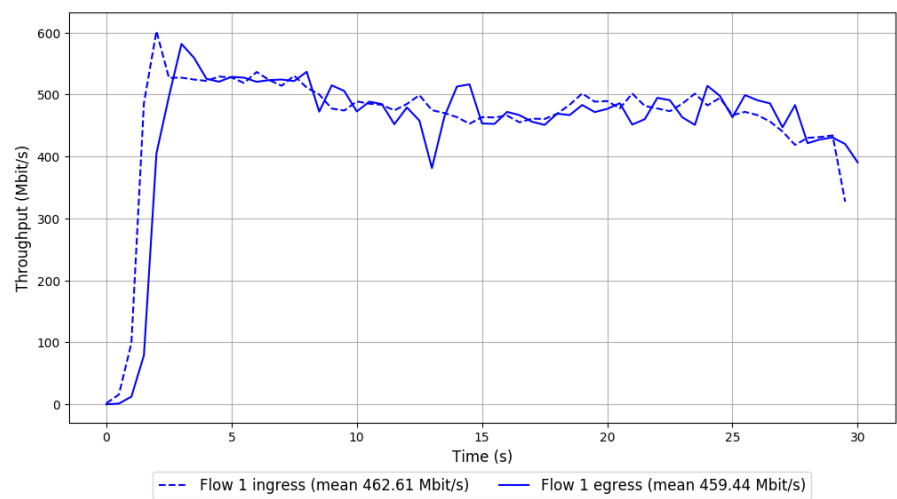


Run 5: Statistics of PCC-Allegro

Start at: 2019-03-09 18:49:40
End at: 2019-03-09 18:50:10
Local clock offset: 0.139 ms
Remote clock offset: -0.245 ms

Below is generated by plot.py at 2019-03-09 21:03:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 459.44 Mbit/s
95th percentile per-packet one-way delay: 159.880 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 459.44 Mbit/s
95th percentile per-packet one-way delay: 159.880 ms
Loss rate: 0.69%

Run 5: Report of PCC-Allegro — Data Link

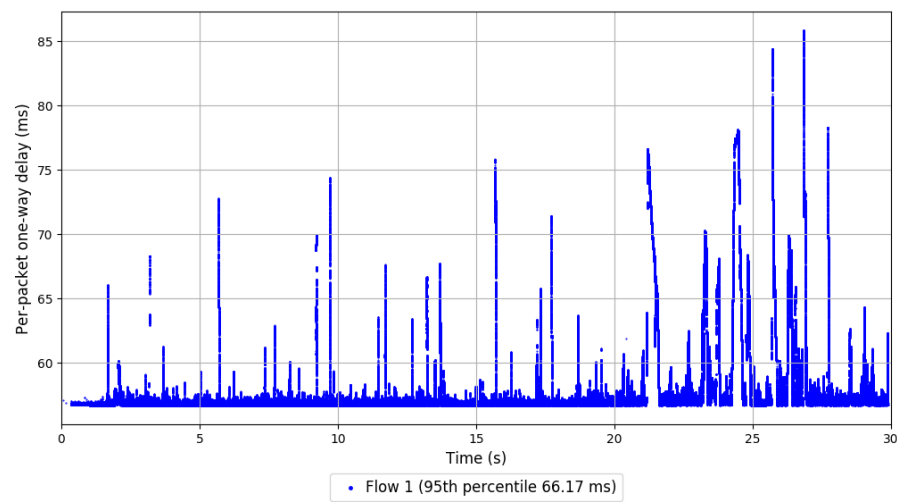
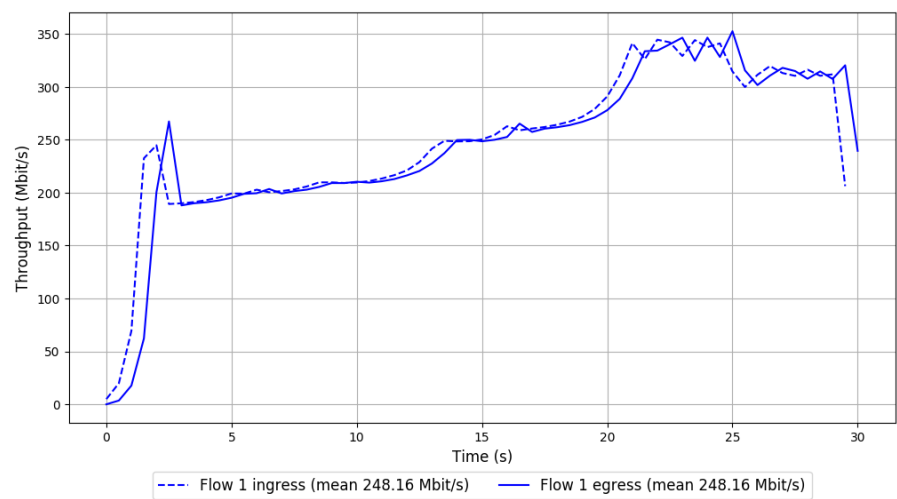



```
Run 1: Statistics of PCC-Expr

Start at: 2019-03-09 16:43:30
End at: 2019-03-09 16:44:00
Local clock offset: -0.116 ms
Remote clock offset: -0.229 ms

# Below is generated by plot.py at 2019-03-09 21:03:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 248.16 Mbit/s
95th percentile per-packet one-way delay: 66.168 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 248.16 Mbit/s
95th percentile per-packet one-way delay: 66.168 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Expr — Data Link

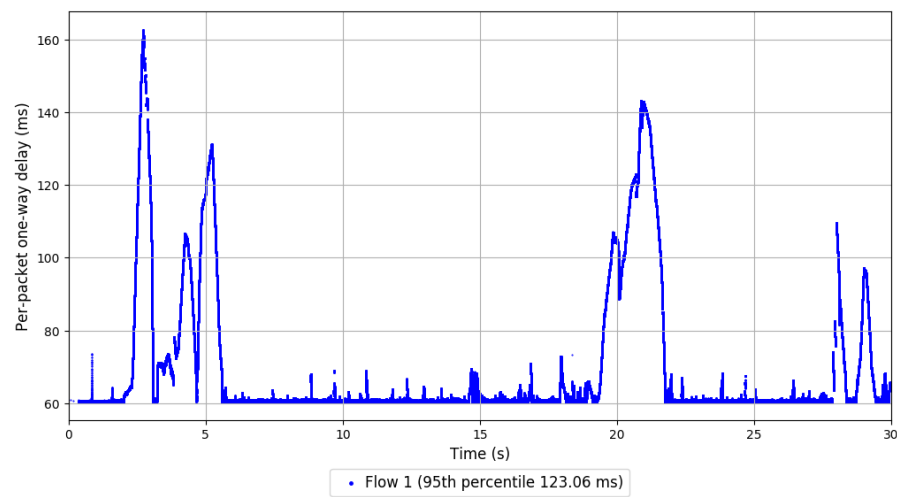
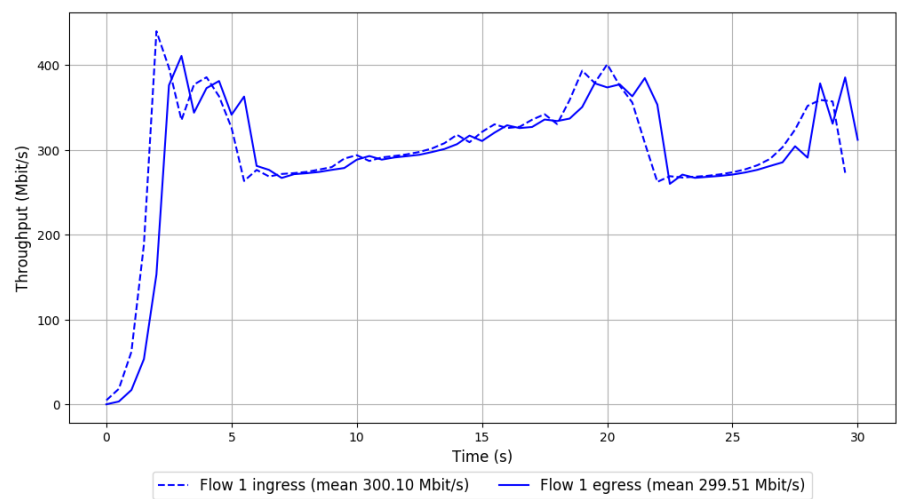


Run 2: Statistics of PCC-Expr

Start at: 2019-03-09 17:17:35
End at: 2019-03-09 17:18:05
Local clock offset: -0.371 ms
Remote clock offset: -0.125 ms

Below is generated by plot.py at 2019-03-09 21:03:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 299.51 Mbit/s
95th percentile per-packet one-way delay: 123.058 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 299.51 Mbit/s
95th percentile per-packet one-way delay: 123.058 ms
Loss rate: 0.21%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-03-09 17:52:04

End at: 2019-03-09 17:52:34

Local clock offset: -0.144 ms

Remote clock offset: -0.178 ms

Below is generated by plot.py at 2019-03-09 21:03:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 270.74 Mbit/s

95th percentile per-packet one-way delay: 80.384 ms

Loss rate: 0.37%

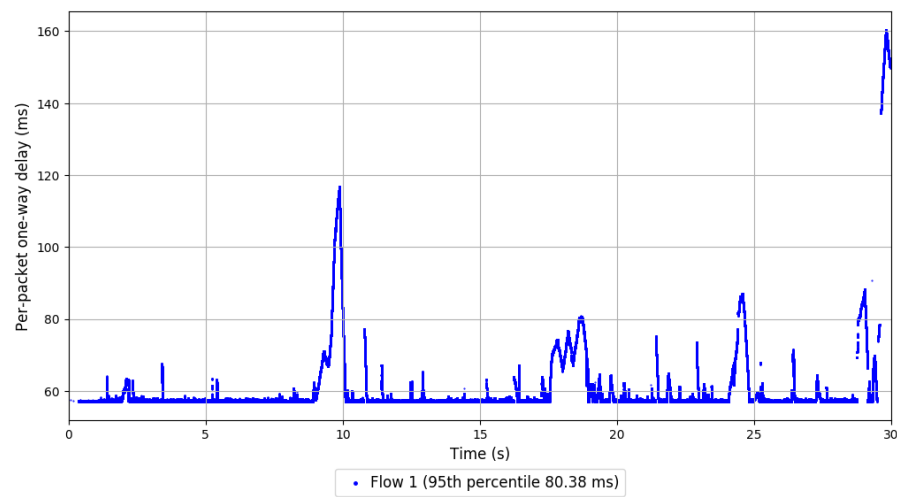
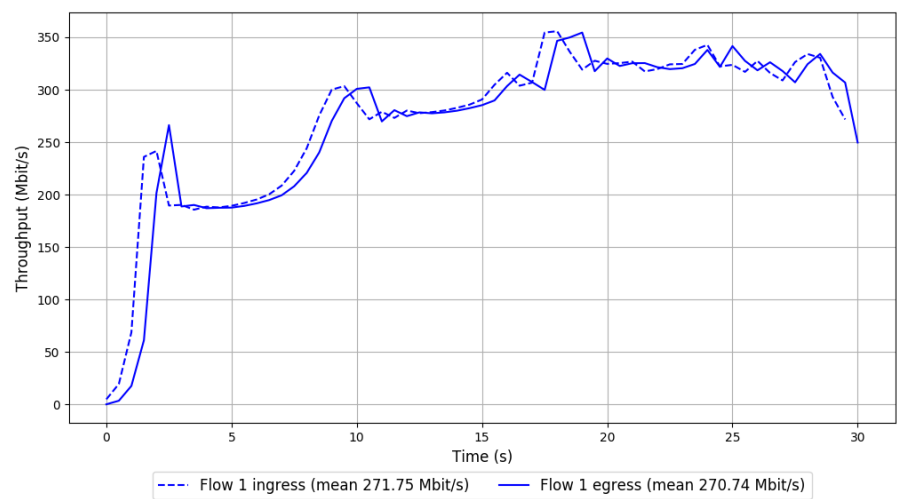
-- Flow 1:

Average throughput: 270.74 Mbit/s

95th percentile per-packet one-way delay: 80.384 ms

Loss rate: 0.37%

Run 3: Report of PCC-Expr — Data Link

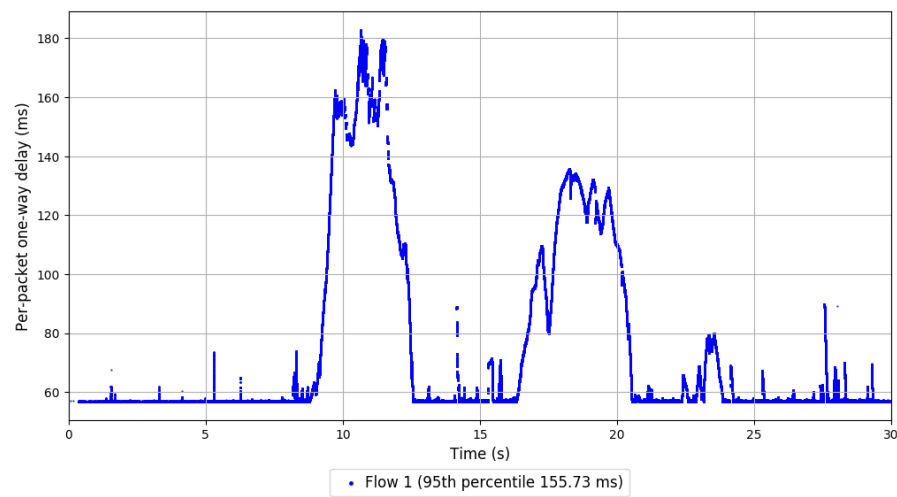
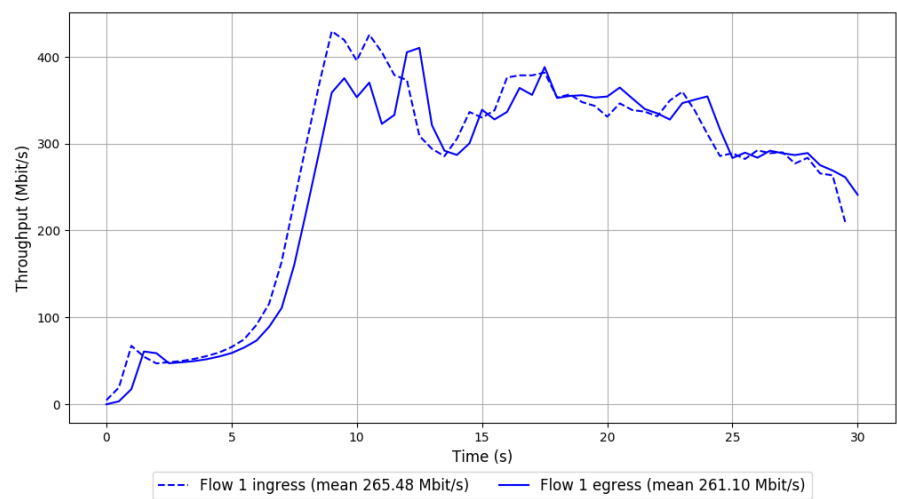


Run 4: Statistics of PCC-Expr

Start at: 2019-03-09 18:27:00
End at: 2019-03-09 18:27:30
Local clock offset: 0.283 ms
Remote clock offset: -0.186 ms

Below is generated by plot.py at 2019-03-09 21:03:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 261.10 Mbit/s
95th percentile per-packet one-way delay: 155.730 ms
Loss rate: 1.65%
-- Flow 1:
Average throughput: 261.10 Mbit/s
95th percentile per-packet one-way delay: 155.730 ms
Loss rate: 1.65%

Run 4: Report of PCC-Expr — Data Link

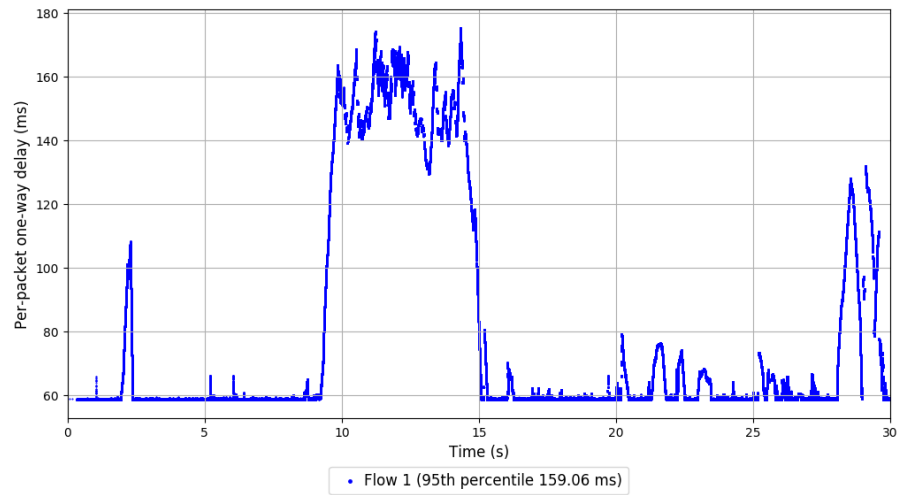
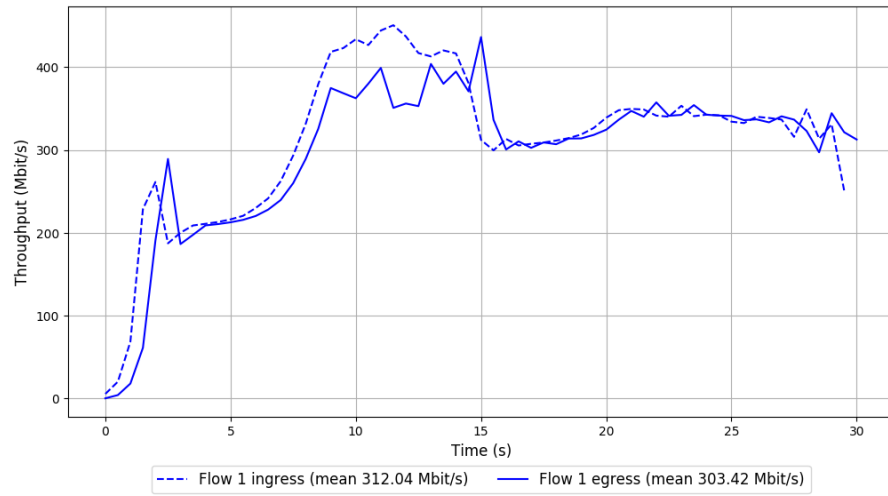


Run 5: Statistics of PCC-Expr

Start at: 2019-03-09 19:01:54
End at: 2019-03-09 19:02:24
Local clock offset: -0.169 ms
Remote clock offset: -1.496 ms

Below is generated by plot.py at 2019-03-09 21:06:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 303.42 Mbit/s
95th percentile per-packet one-way delay: 159.058 ms
Loss rate: 2.77%
-- Flow 1:
Average throughput: 303.42 Mbit/s
95th percentile per-packet one-way delay: 159.058 ms
Loss rate: 2.77%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

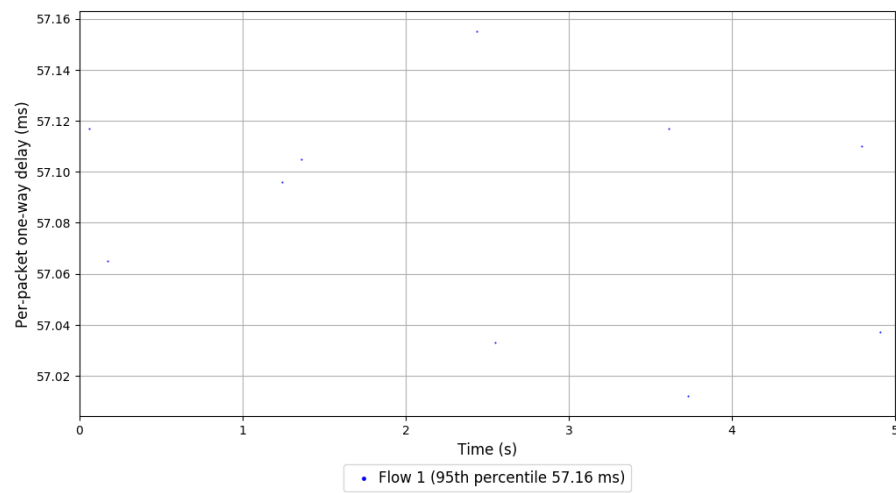
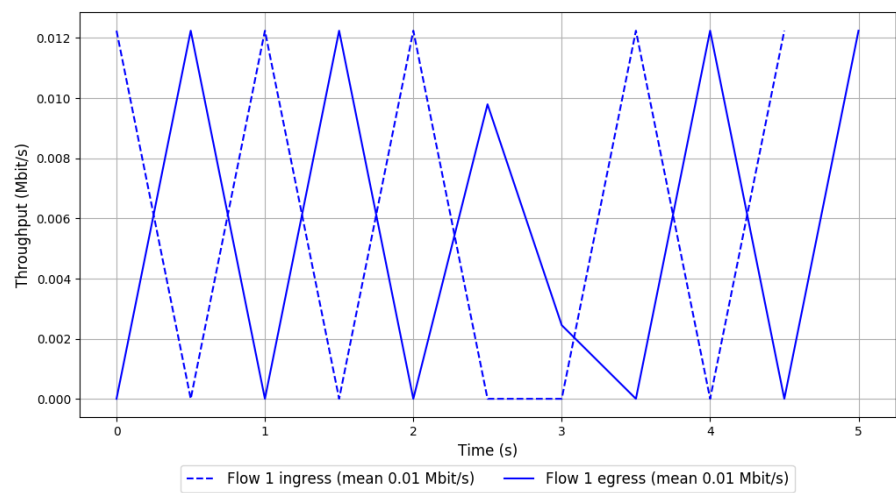
Start at: 2019-03-09 16:46:59

End at: 2019-03-09 16:47:29

Local clock offset: -0.131 ms

Remote clock offset: -0.021 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-03-09 17:20:56

End at: 2019-03-09 17:21:26

Local clock offset: -0.144 ms

Remote clock offset: -0.107 ms

Below is generated by plot.py at 2019-03-09 21:06:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.71 Mbit/s

95th percentile per-packet one-way delay: 57.047 ms

Loss rate: 0.00%

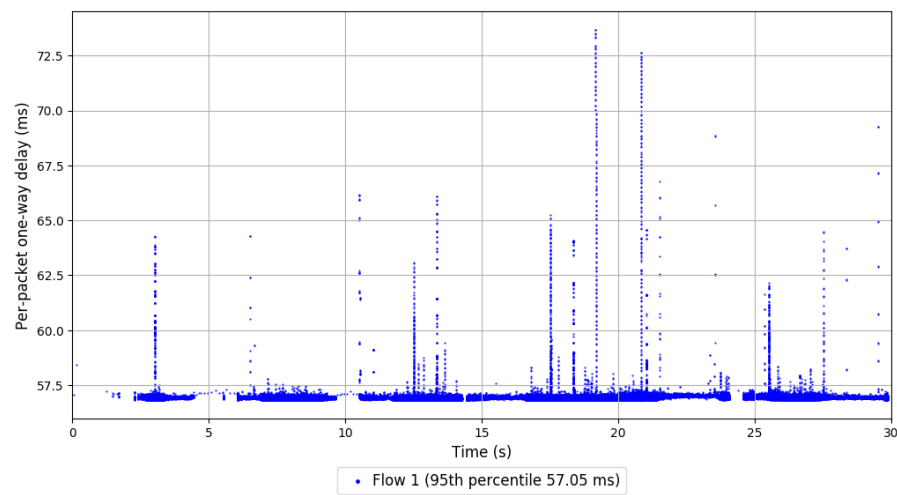
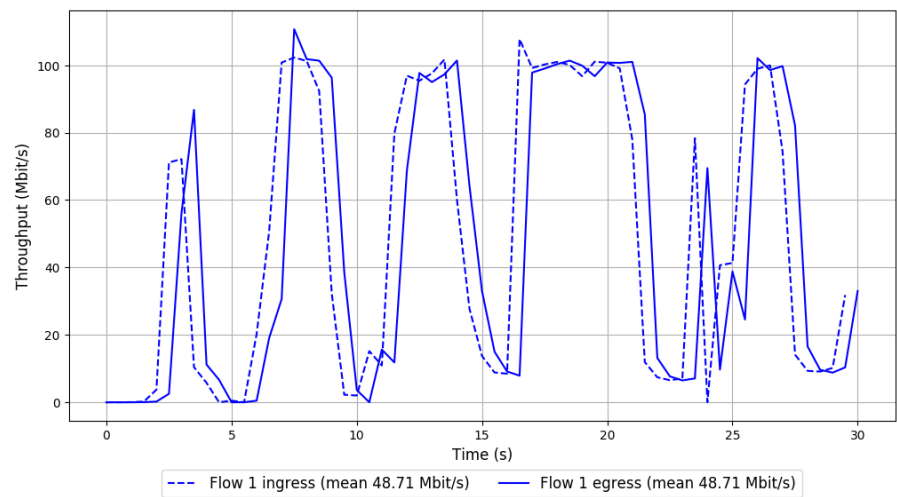
-- Flow 1:

Average throughput: 48.71 Mbit/s

95th percentile per-packet one-way delay: 57.047 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-03-09 17:55:30

End at: 2019-03-09 17:56:00

Local clock offset: 0.295 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2019-03-09 21:06:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.34 Mbit/s

95th percentile per-packet one-way delay: 56.925 ms

Loss rate: 0.00%

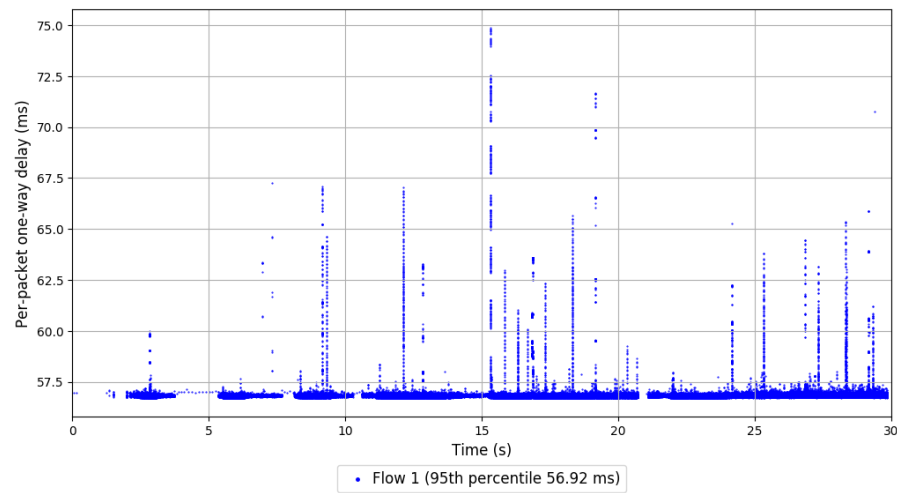
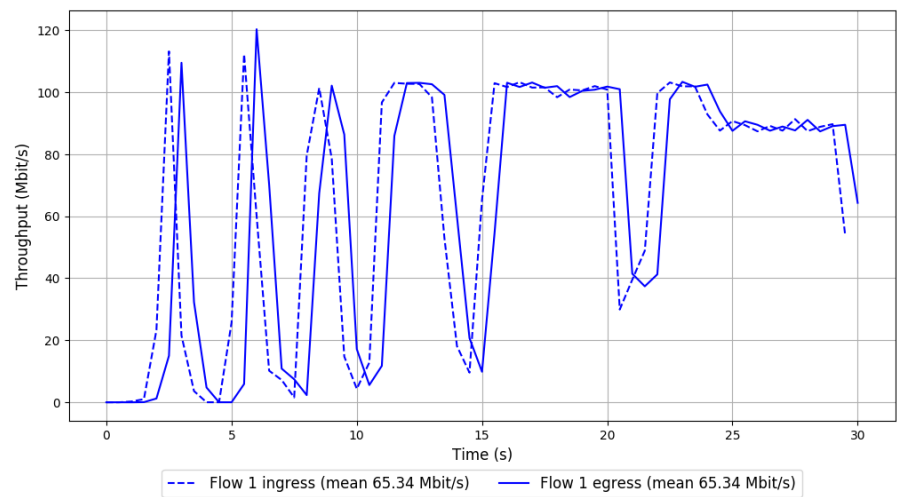
-- Flow 1:

Average throughput: 65.34 Mbit/s

95th percentile per-packet one-way delay: 56.925 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-03-09 18:30:46

End at: 2019-03-09 18:31:16

Local clock offset: -0.502 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2019-03-09 21:06:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.23 Mbit/s

95th percentile per-packet one-way delay: 60.644 ms

Loss rate: 0.01%

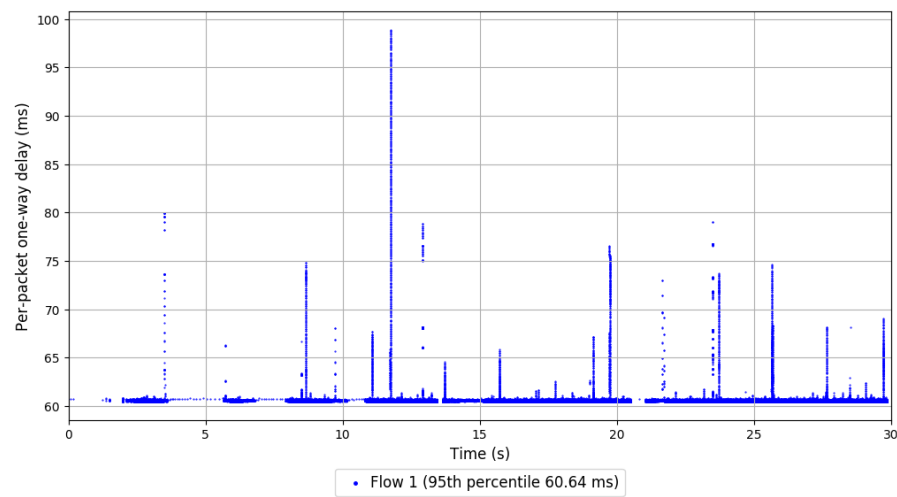
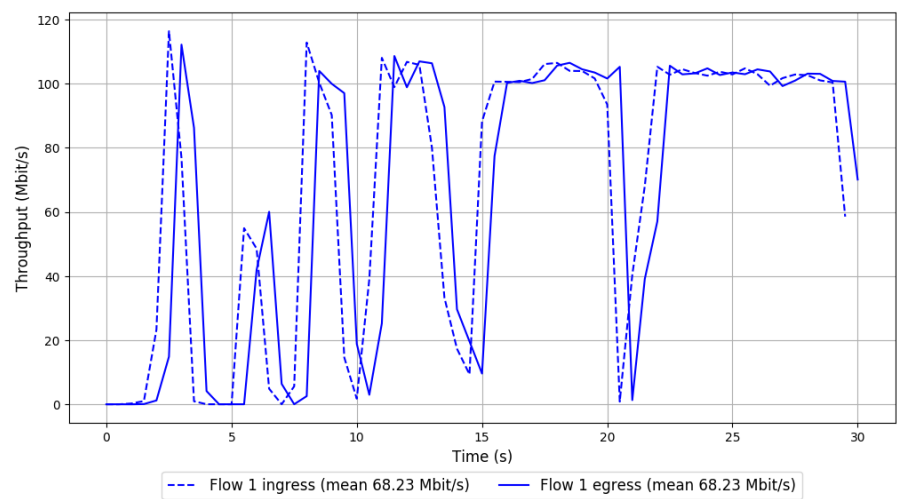
-- Flow 1:

Average throughput: 68.23 Mbit/s

95th percentile per-packet one-way delay: 60.644 ms

Loss rate: 0.01%

Run 4: Report of QUIC Cubic — Data Link

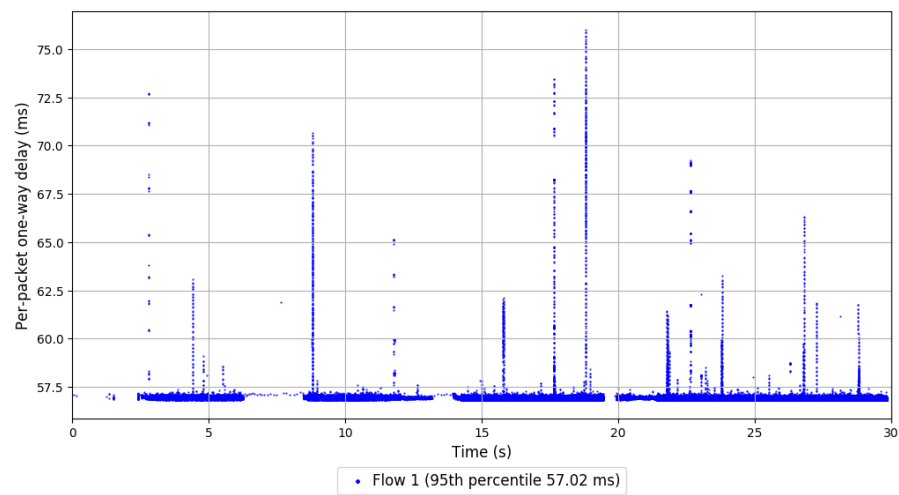
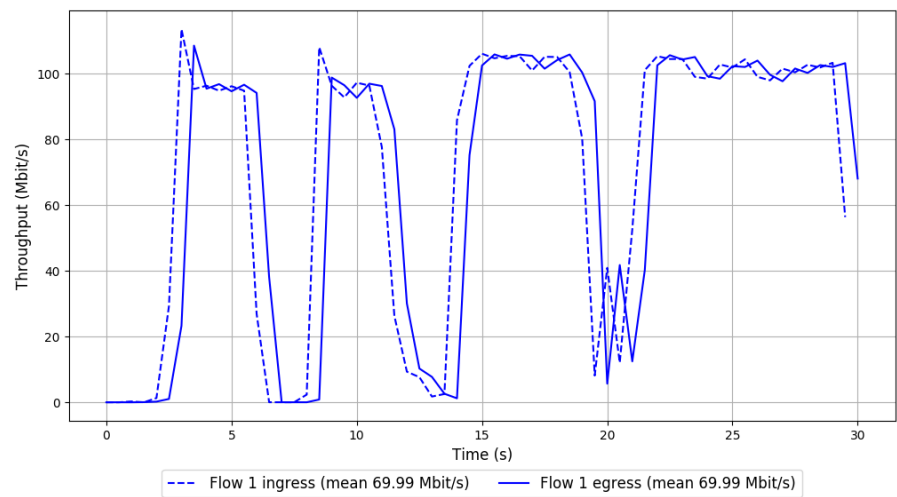


Run 5: Statistics of QUIC Cubic

Start at: 2019-03-09 19:05:47
End at: 2019-03-09 19:06:17
Local clock offset: -0.171 ms
Remote clock offset: -0.268 ms

Below is generated by plot.py at 2019-03-09 21:06:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.99 Mbit/s
95th percentile per-packet one-way delay: 57.016 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 69.99 Mbit/s
95th percentile per-packet one-way delay: 57.016 ms
Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

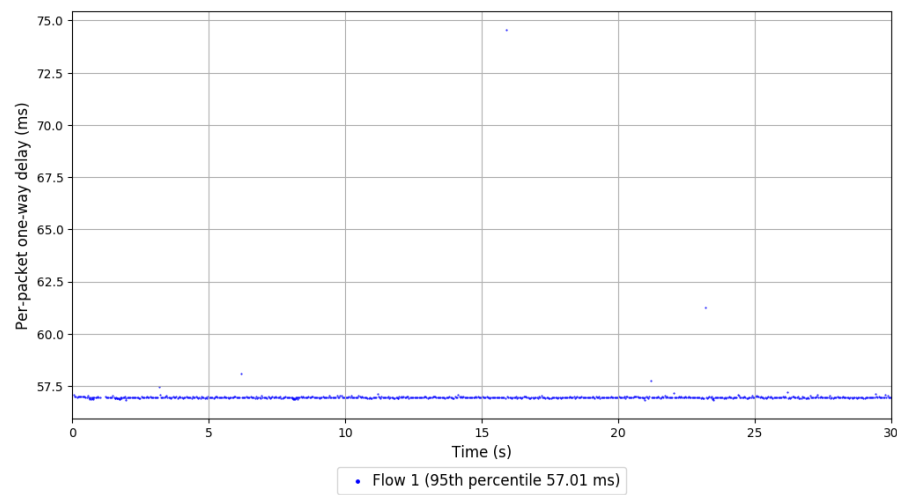
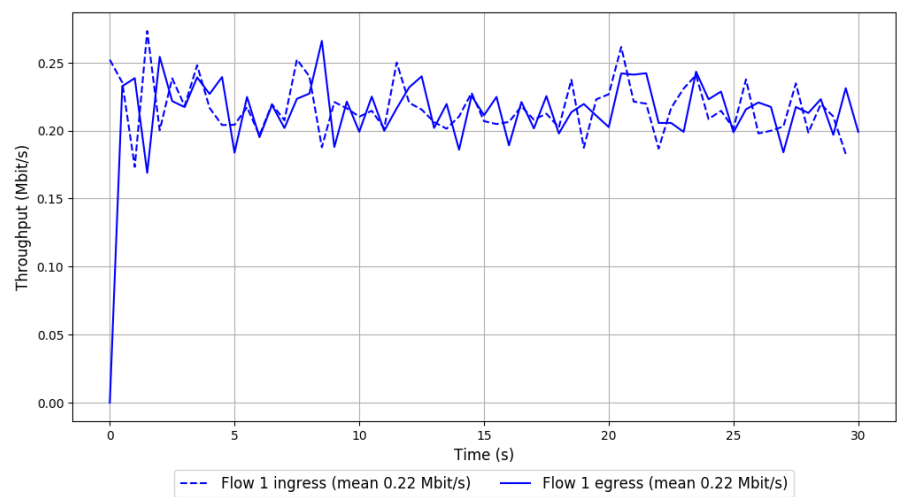


Run 1: Statistics of SCReAM

Start at: 2019-03-09 16:51:13
End at: 2019-03-09 16:51:43
Local clock offset: -0.122 ms
Remote clock offset: -0.206 ms

Below is generated by plot.py at 2019-03-09 21:06:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.010 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.010 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

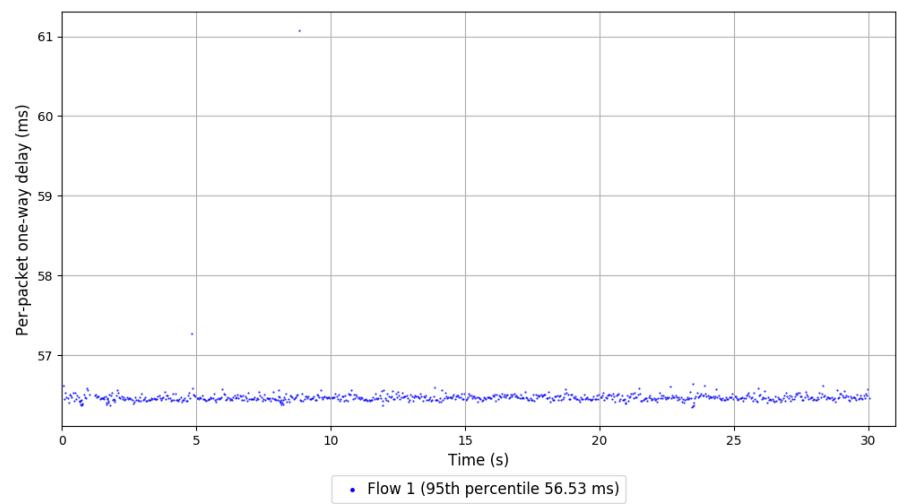
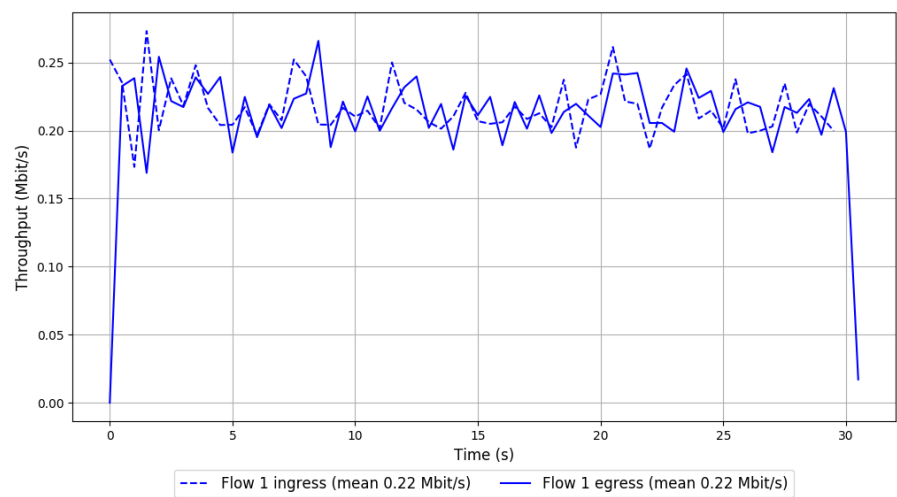


Run 2: Statistics of SCReAM

Start at: 2019-03-09 17:25:23
End at: 2019-03-09 17:25:53
Local clock offset: 0.072 ms
Remote clock offset: -0.648 ms

Below is generated by plot.py at 2019-03-09 21:06:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 56.531 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 56.531 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2019-03-09 17:59:55

End at: 2019-03-09 18:00:25

Local clock offset: 0.085 ms

Remote clock offset: -0.84 ms

Below is generated by plot.py at 2019-03-09 21:06:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 56.623 ms

Loss rate: 0.00%

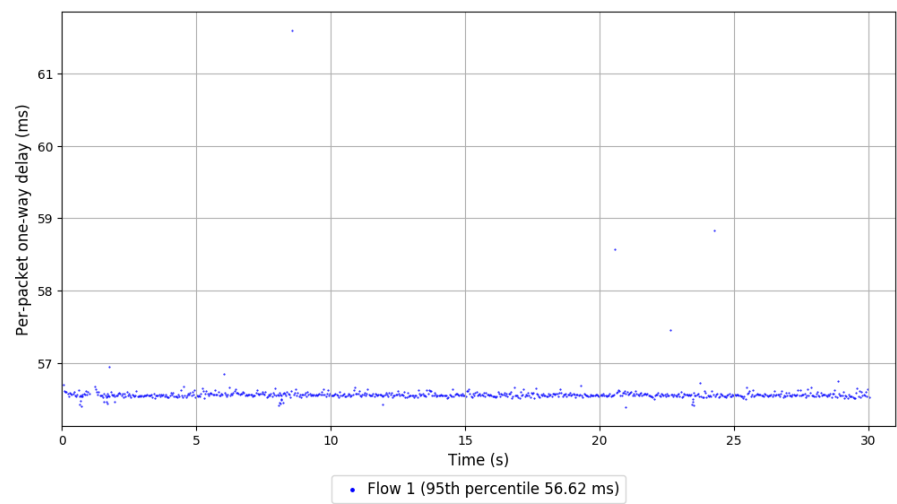
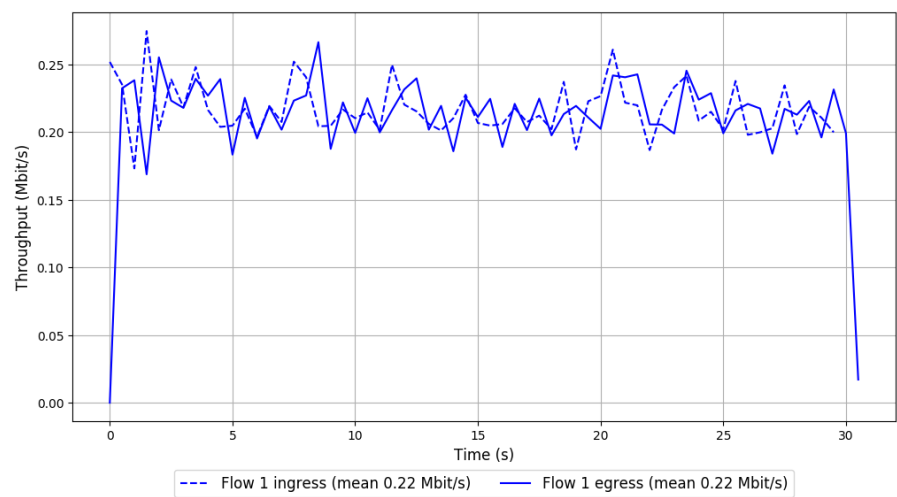
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 56.623 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

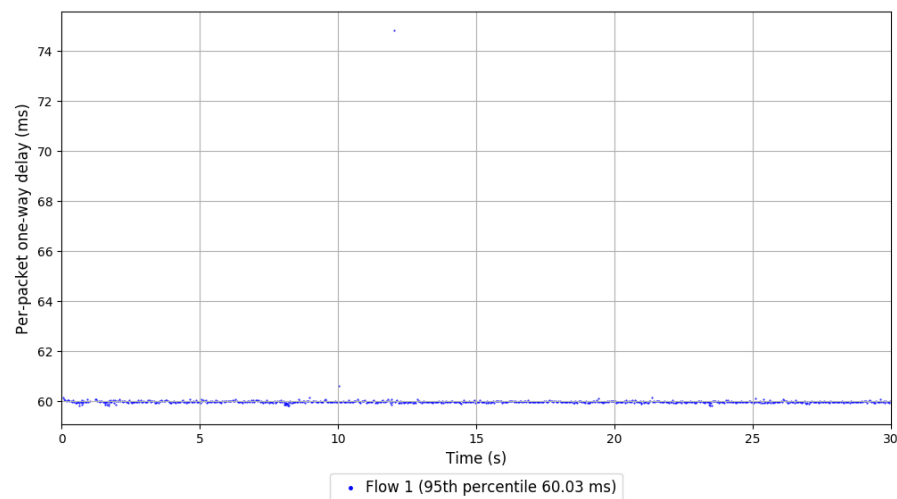
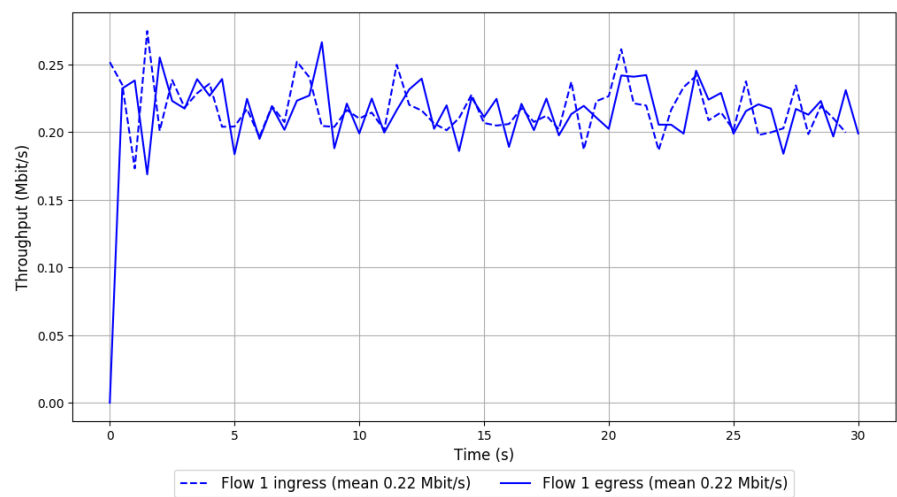


Run 4: Statistics of SCReAM

Start at: 2019-03-09 18:35:14
End at: 2019-03-09 18:35:44
Local clock offset: 0.311 ms
Remote clock offset: -0.139 ms

Below is generated by plot.py at 2019-03-09 21:06:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.027 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.027 ms
Loss rate: 0.13%

Run 4: Report of SReAM — Data Link

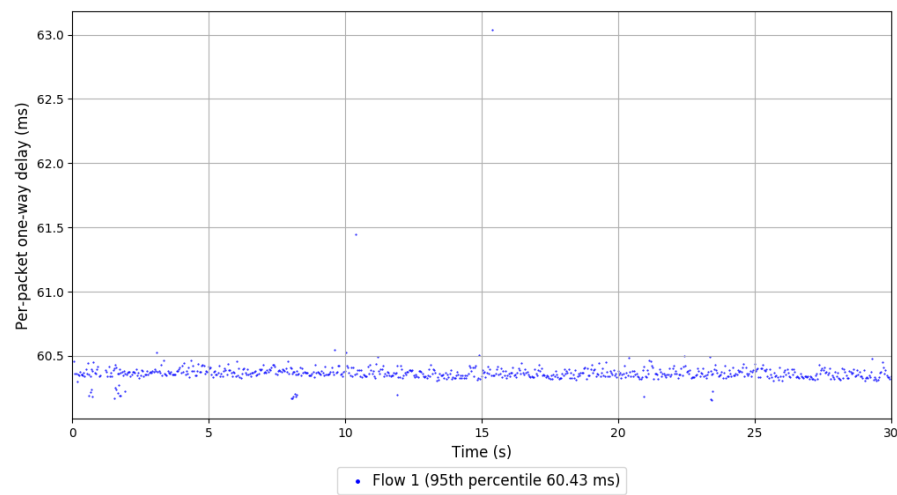
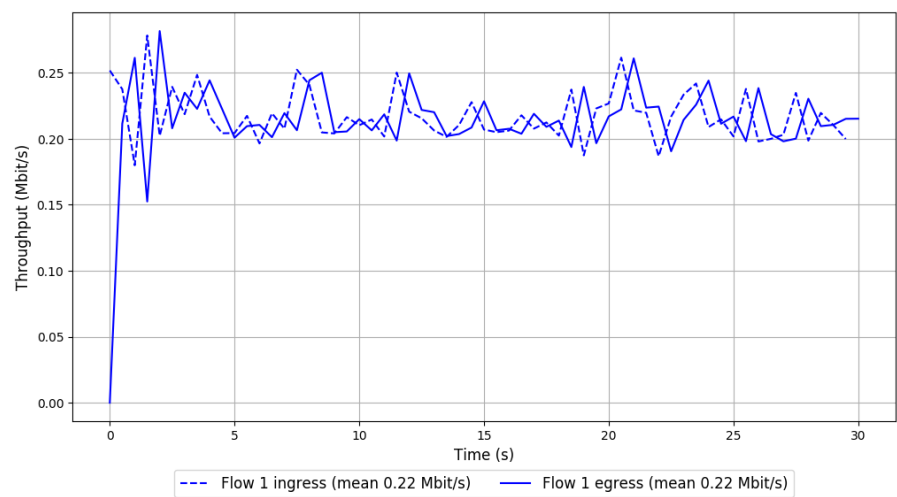


Run 5: Statistics of SCReAM

Start at: 2019-03-09 19:10:18
End at: 2019-03-09 19:10:48
Local clock offset: -0.209 ms
Remote clock offset: -0.304 ms

Below is generated by plot.py at 2019-03-09 21:06:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.428 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.428 ms
Loss rate: 0.13%

Run 5: Report of SReAM — Data Link

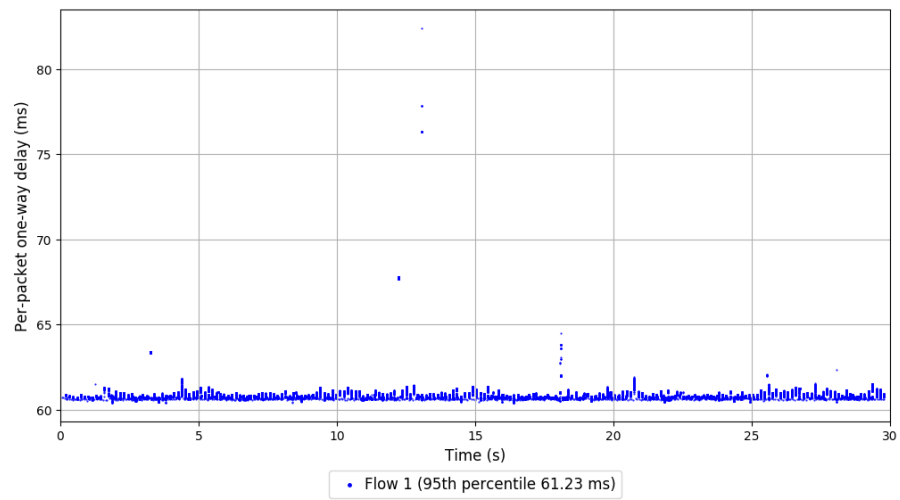
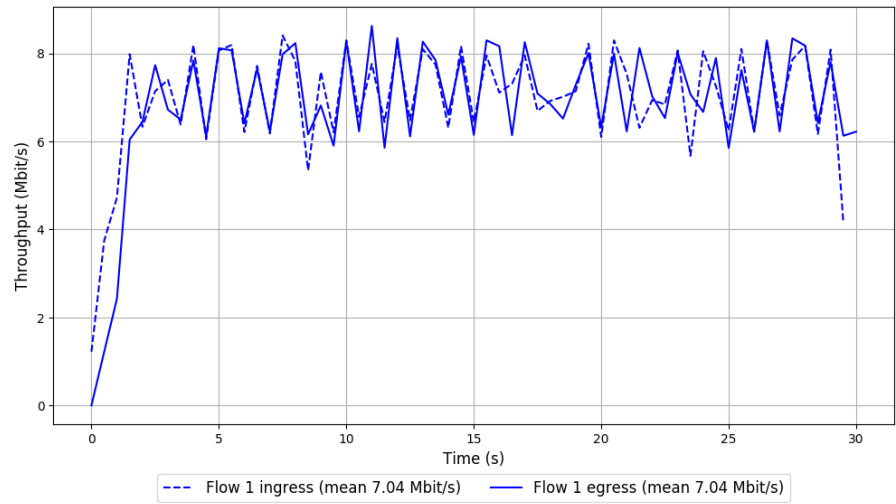


Run 1: Statistics of Sprout

Start at: 2019-03-09 17:02:51
End at: 2019-03-09 17:03:21
Local clock offset: -0.375 ms
Remote clock offset: -0.228 ms

Below is generated by plot.py at 2019-03-09 21:06:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.04 Mbit/s
95th percentile per-packet one-way delay: 61.230 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.04 Mbit/s
95th percentile per-packet one-way delay: 61.230 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2019-03-09 17:37:11

End at: 2019-03-09 17:37:41

Local clock offset: -0.066 ms

Remote clock offset: -0.59 ms

Below is generated by plot.py at 2019-03-09 21:06:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.91 Mbit/s

95th percentile per-packet one-way delay: 57.122 ms

Loss rate: 0.00%

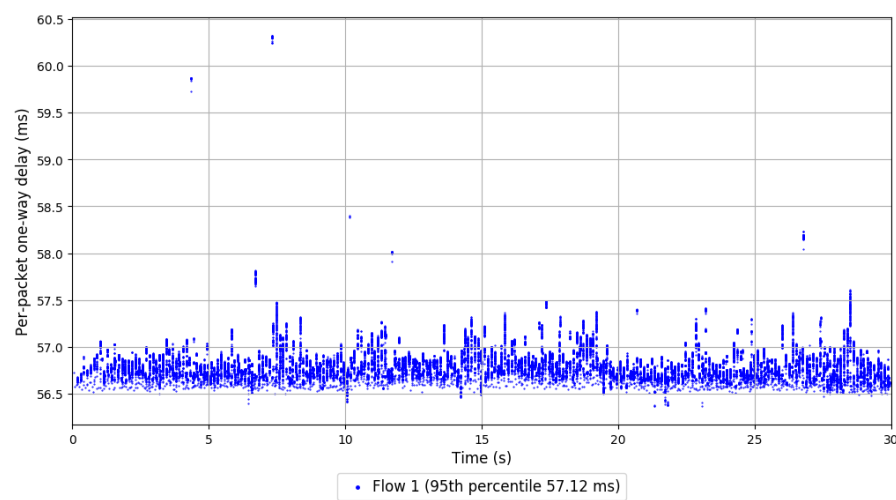
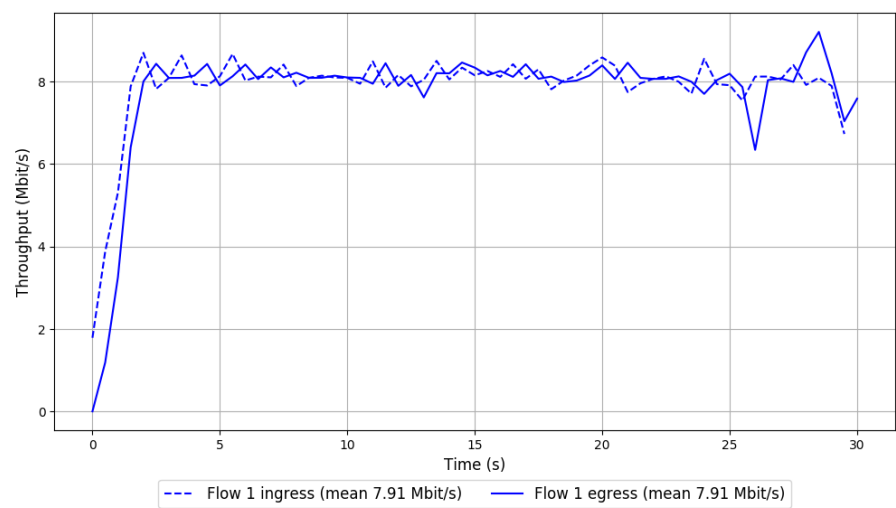
-- Flow 1:

Average throughput: 7.91 Mbit/s

95th percentile per-packet one-way delay: 57.122 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

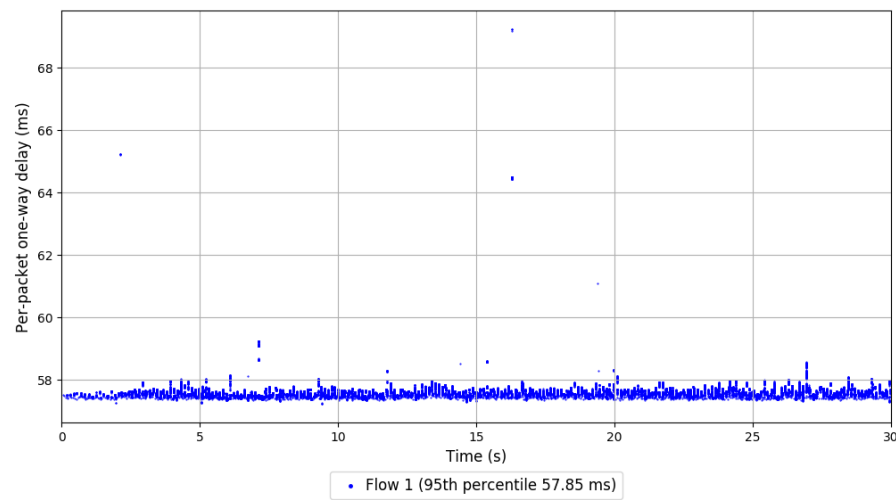
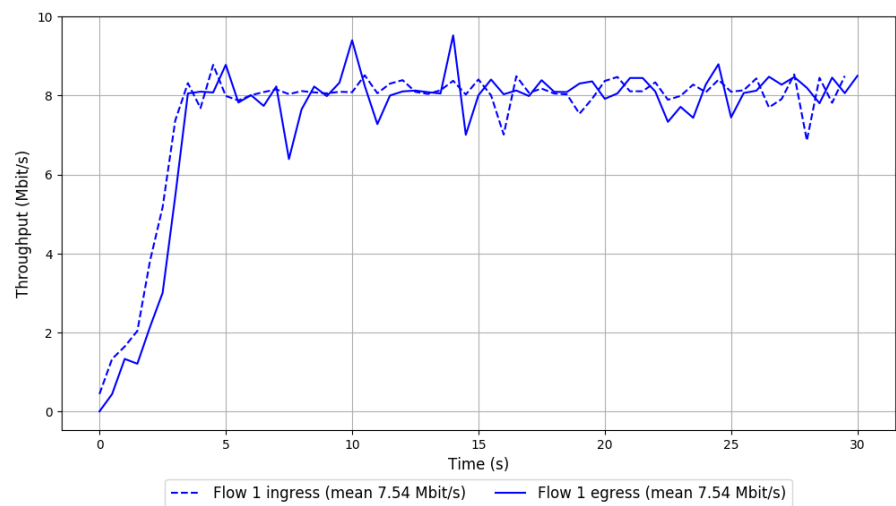


Run 3: Statistics of Sprout

Start at: 2019-03-09 18:11:47
End at: 2019-03-09 18:12:17
Local clock offset: -0.346 ms
Remote clock offset: -0.156 ms

Below is generated by plot.py at 2019-03-09 21:06:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.54 Mbit/s
95th percentile per-packet one-way delay: 57.854 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 7.54 Mbit/s
95th percentile per-packet one-way delay: 57.854 ms
Loss rate: 0.07%

Run 3: Report of Sprout — Data Link

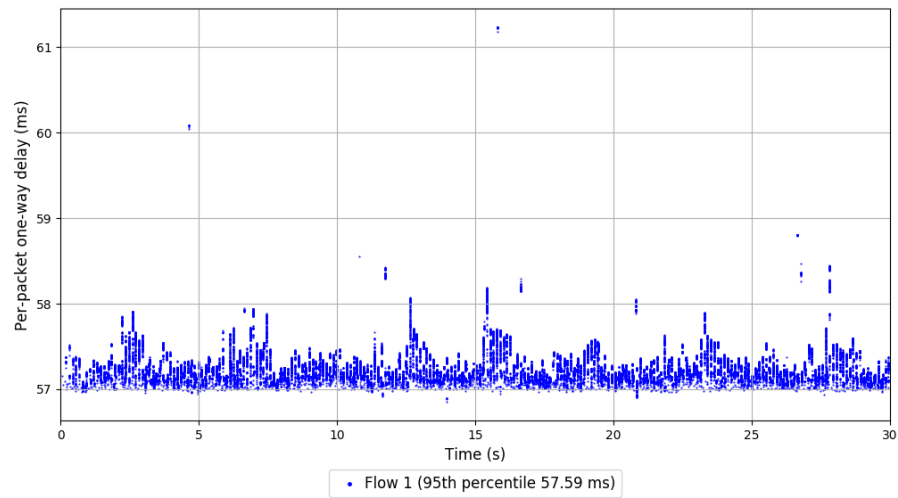
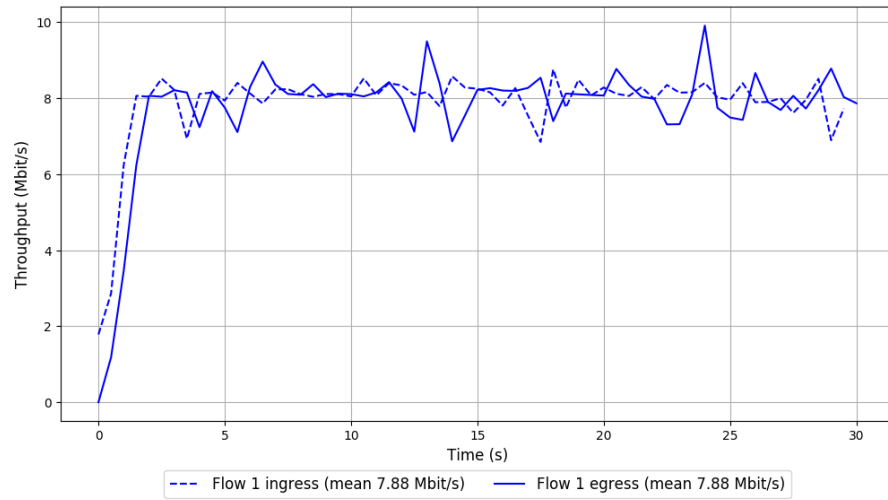


Run 4: Statistics of Sprout

Start at: 2019-03-09 18:46:38
End at: 2019-03-09 18:47:08
Local clock offset: -0.152 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2019-03-09 21:06:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.88 Mbit/s
95th percentile per-packet one-way delay: 57.586 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.88 Mbit/s
95th percentile per-packet one-way delay: 57.586 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

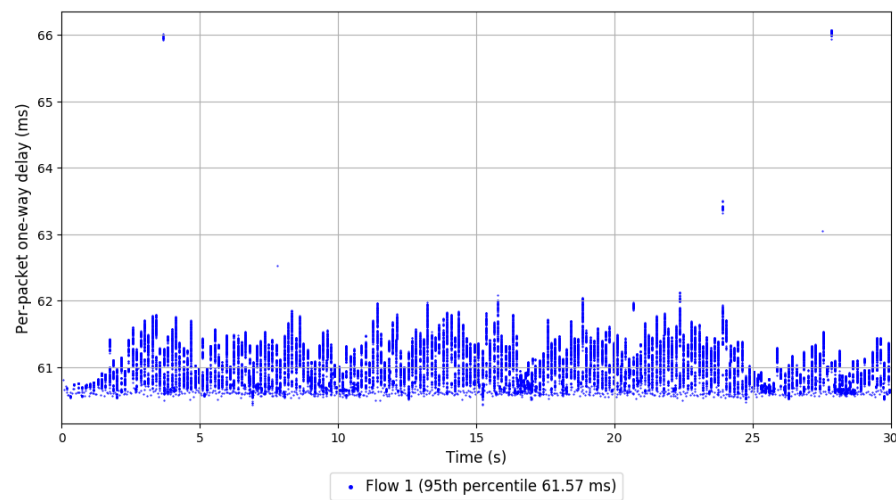
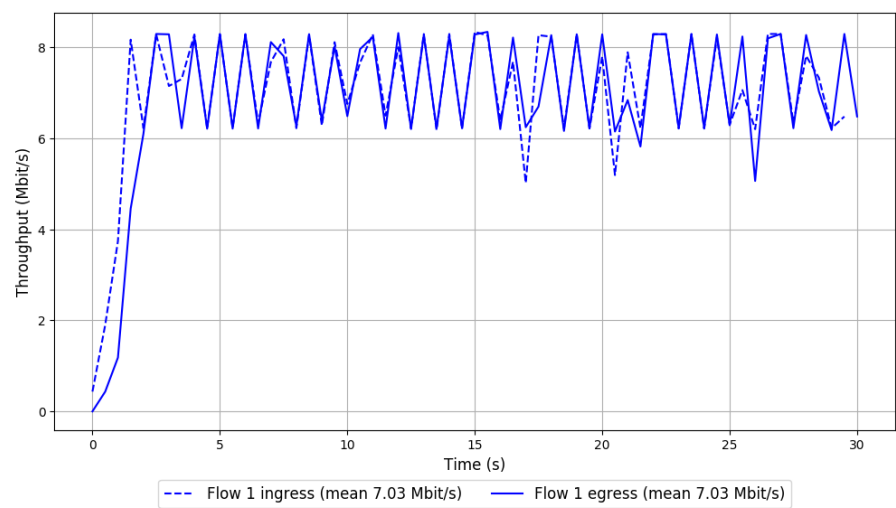


Run 5: Statistics of Sprout

Start at: 2019-03-09 19:21:46
End at: 2019-03-09 19:22:16
Local clock offset: -0.443 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2019-03-09 21:06:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.03 Mbit/s
95th percentile per-packet one-way delay: 61.569 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.03 Mbit/s
95th percentile per-packet one-way delay: 61.569 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

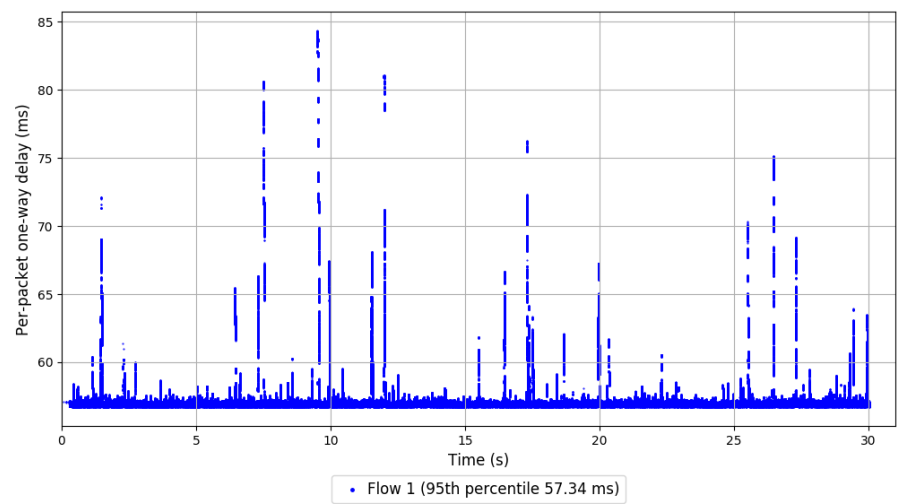
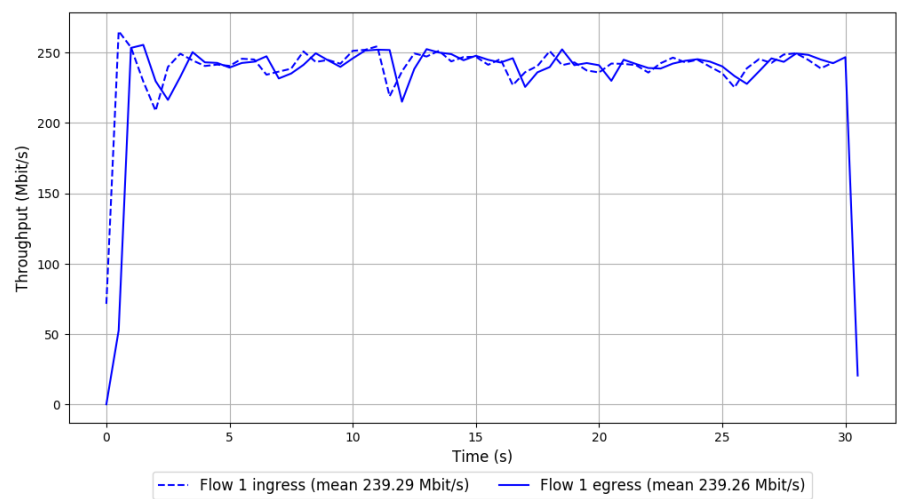


Run 1: Statistics of TaoVA-100x

Start at: 2019-03-09 16:48:07
End at: 2019-03-09 16:48:37
Local clock offset: -0.224 ms
Remote clock offset: -0.111 ms

Below is generated by plot.py at 2019-03-09 21:08:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 239.26 Mbit/s
95th percentile per-packet one-way delay: 57.337 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 239.26 Mbit/s
95th percentile per-packet one-way delay: 57.337 ms
Loss rate: 0.01%

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



Run 2: Statistics of TaoVA-100x

Start at: 2019-03-09 17:22:08

End at: 2019-03-09 17:22:38

Local clock offset: -0.18 ms

Remote clock offset: -0.236 ms

Below is generated by plot.py at 2019-03-09 21:08:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 237.28 Mbit/s

95th percentile per-packet one-way delay: 57.506 ms

Loss rate: 0.00%

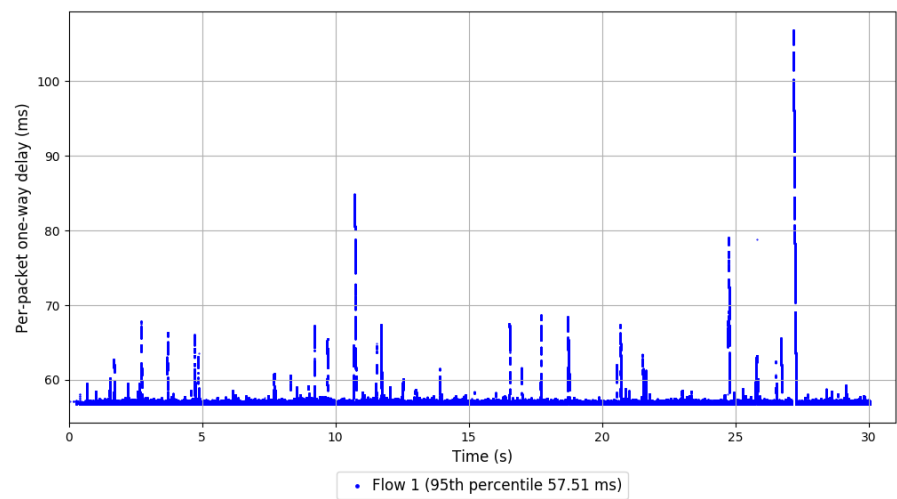
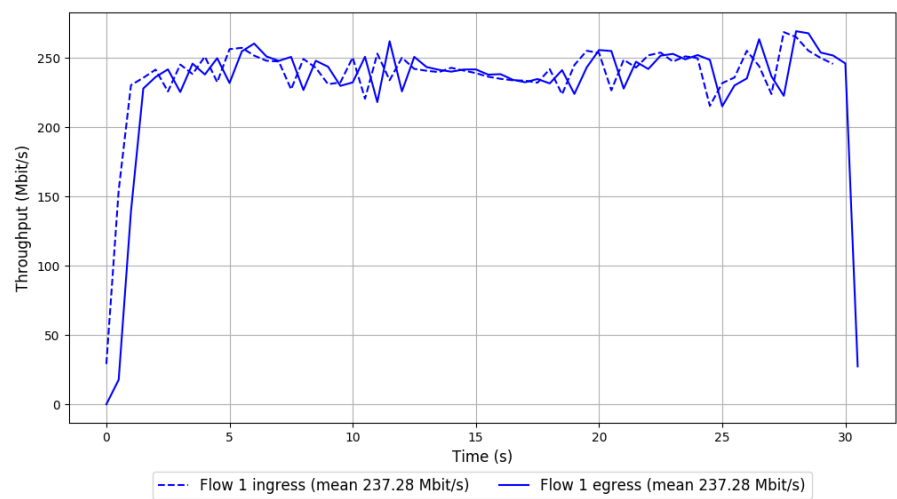
-- Flow 1:

Average throughput: 237.28 Mbit/s

95th percentile per-packet one-way delay: 57.506 ms

Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-03-09 17:56:44

End at: 2019-03-09 17:57:14

Local clock offset: 0.168 ms

Remote clock offset: -0.042 ms

Below is generated by plot.py at 2019-03-09 21:08:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 240.91 Mbit/s

95th percentile per-packet one-way delay: 57.298 ms

Loss rate: 0.00%

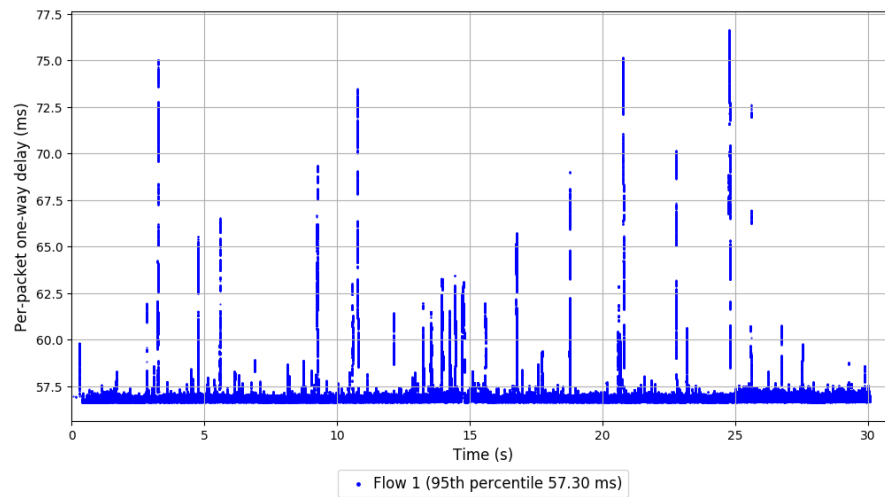
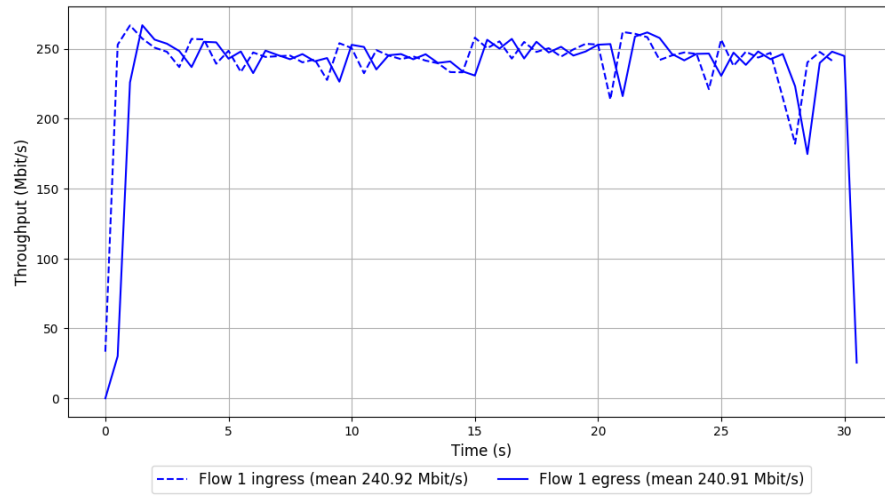
-- Flow 1:

Average throughput: 240.91 Mbit/s

95th percentile per-packet one-way delay: 57.298 ms

Loss rate: 0.00%

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

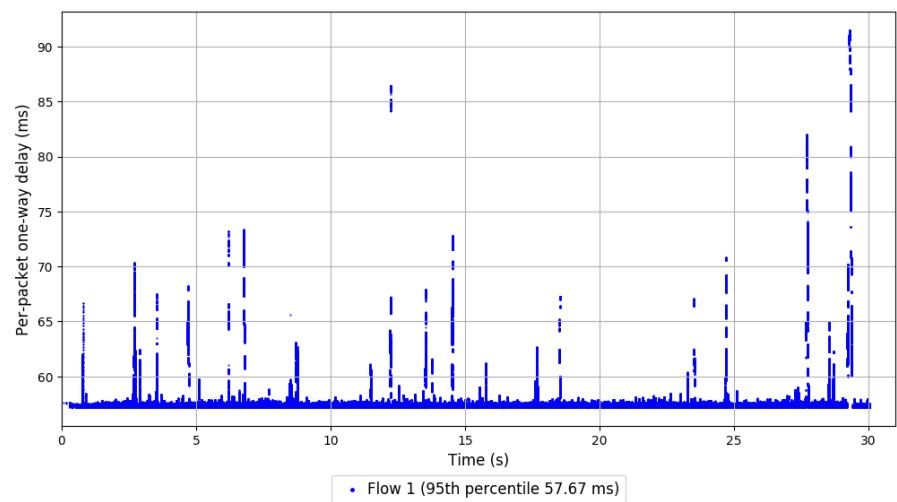
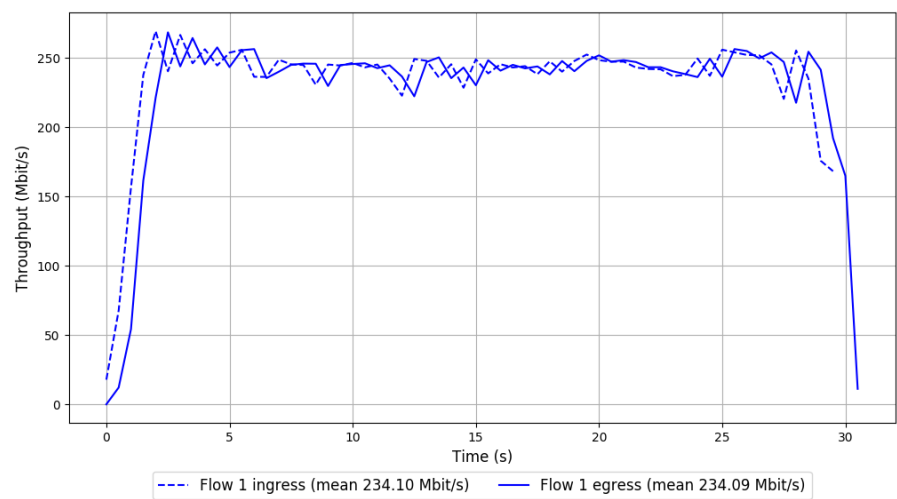


Run 4: Statistics of TaoVA-100x

Start at: 2019-03-09 18:32:01
End at: 2019-03-09 18:32:31
Local clock offset: -0.359 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2019-03-09 21:08:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 234.09 Mbit/s
95th percentile per-packet one-way delay: 57.666 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 234.09 Mbit/s
95th percentile per-packet one-way delay: 57.666 ms
Loss rate: 0.01%

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



Run 5: Statistics of TaoVA-100x

Start at: 2019-03-09 19:07:02

End at: 2019-03-09 19:07:32

Local clock offset: -0.598 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2019-03-09 21:08:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.90 Mbit/s

95th percentile per-packet one-way delay: 61.037 ms

Loss rate: 0.01%

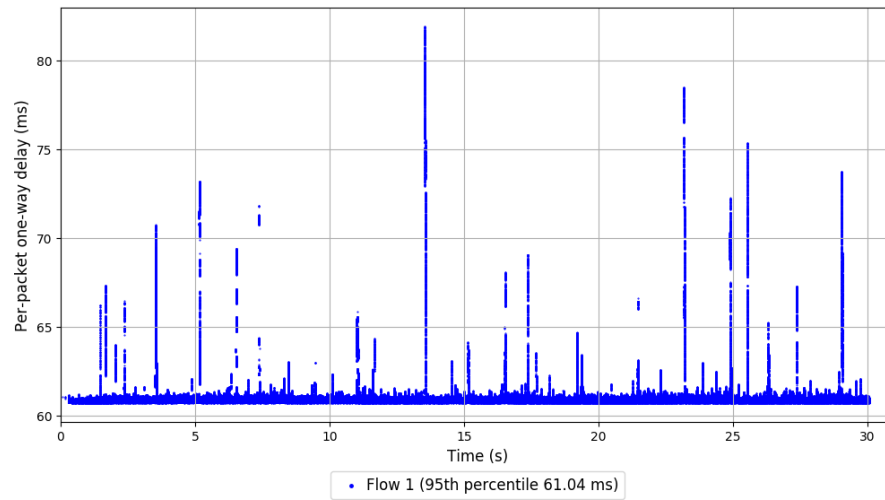
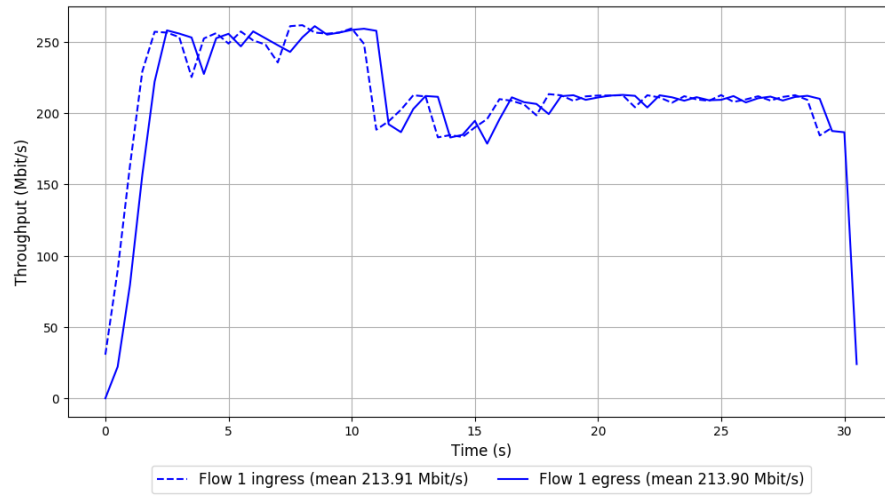
-- Flow 1:

Average throughput: 213.90 Mbit/s

95th percentile per-packet one-way delay: 61.037 ms

Loss rate: 0.01%

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



Run 1: Statistics of TCP Vegas

Start at: 2019-03-09 16:35:38

End at: 2019-03-09 16:36:08

Local clock offset: -0.382 ms

Remote clock offset: -0.32 ms

Below is generated by plot.py at 2019-03-09 21:08:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 233.19 Mbit/s

95th percentile per-packet one-way delay: 60.810 ms

Loss rate: 0.01%

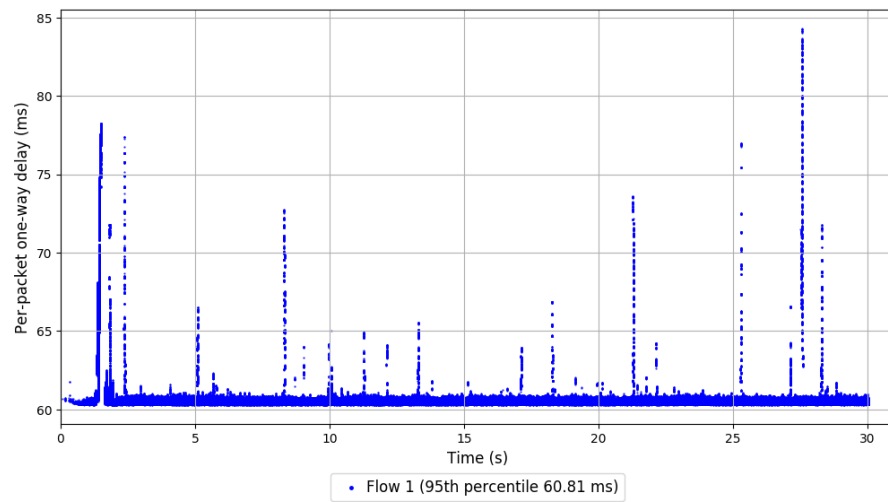
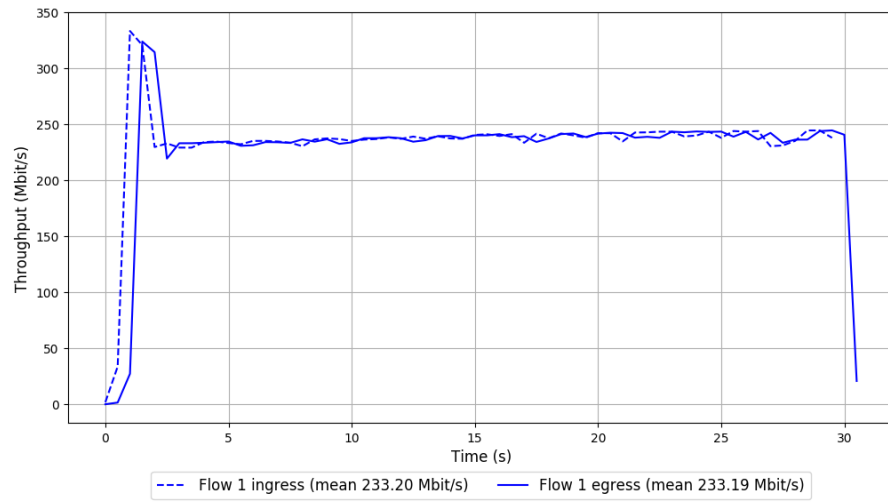
-- Flow 1:

Average throughput: 233.19 Mbit/s

95th percentile per-packet one-way delay: 60.810 ms

Loss rate: 0.01%

Run 1: Report of TCP Vegas — Data Link

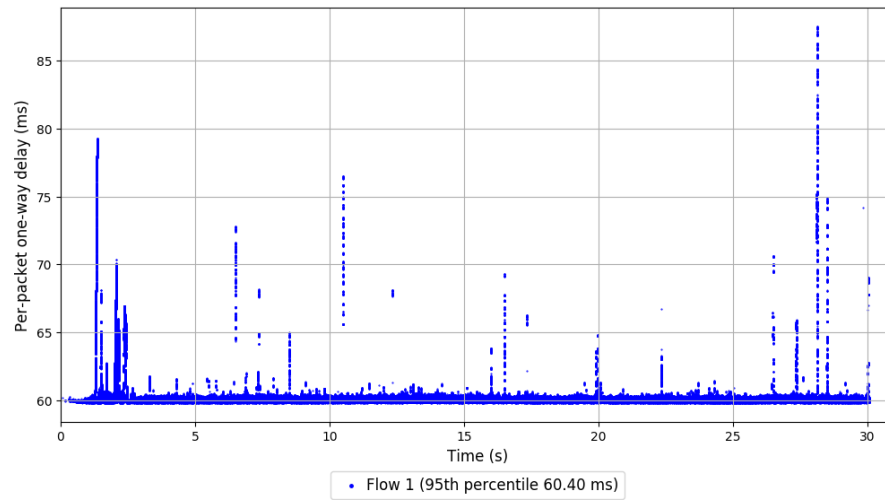
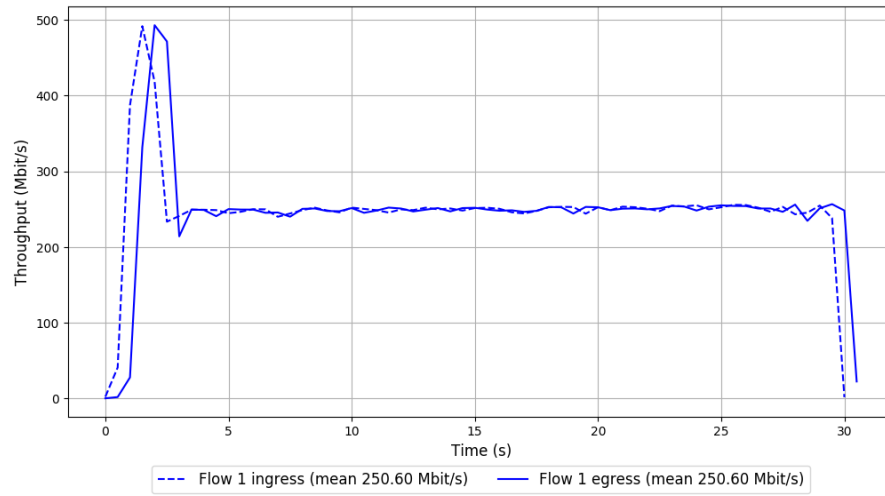


Run 2: Statistics of TCP Vegas

Start at: 2019-03-09 17:09:27
End at: 2019-03-09 17:09:57
Local clock offset: -0.116 ms
Remote clock offset: -0.741 ms

Below is generated by plot.py at 2019-03-09 21:08:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 250.60 Mbit/s
95th percentile per-packet one-way delay: 60.397 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 250.60 Mbit/s
95th percentile per-packet one-way delay: 60.397 ms
Loss rate: 0.01%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2019-03-09 17:44:01

End at: 2019-03-09 17:44:31

Local clock offset: -0.533 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2019-03-09 21:10:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 250.03 Mbit/s

95th percentile per-packet one-way delay: 61.923 ms

Loss rate: 0.00%

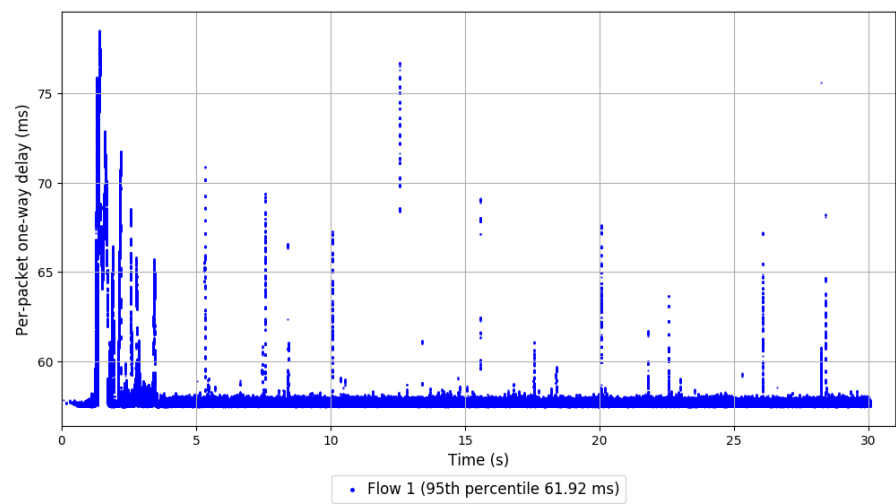
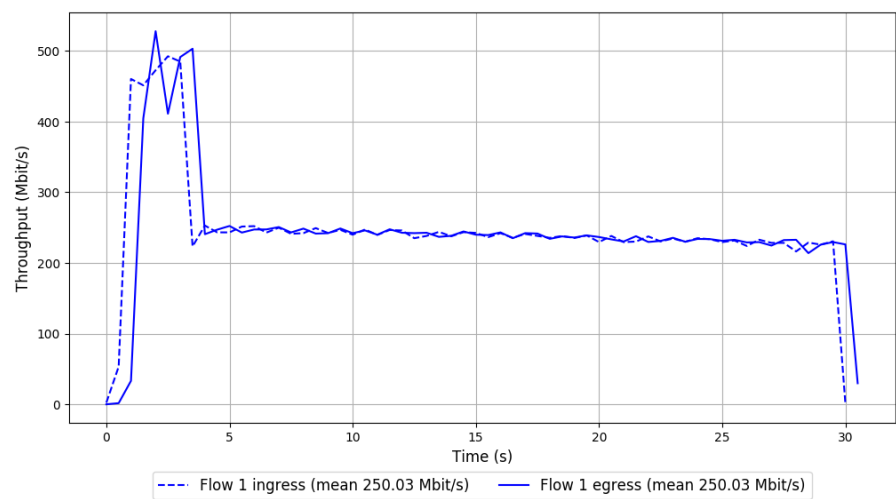
-- Flow 1:

Average throughput: 250.03 Mbit/s

95th percentile per-packet one-way delay: 61.923 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2019-03-09 18:18:29

End at: 2019-03-09 18:18:59

Local clock offset: -0.379 ms

Remote clock offset: 0.057 ms

Below is generated by plot.py at 2019-03-09 21:15:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 464.79 Mbit/s

95th percentile per-packet one-way delay: 68.629 ms

Loss rate: 0.01%

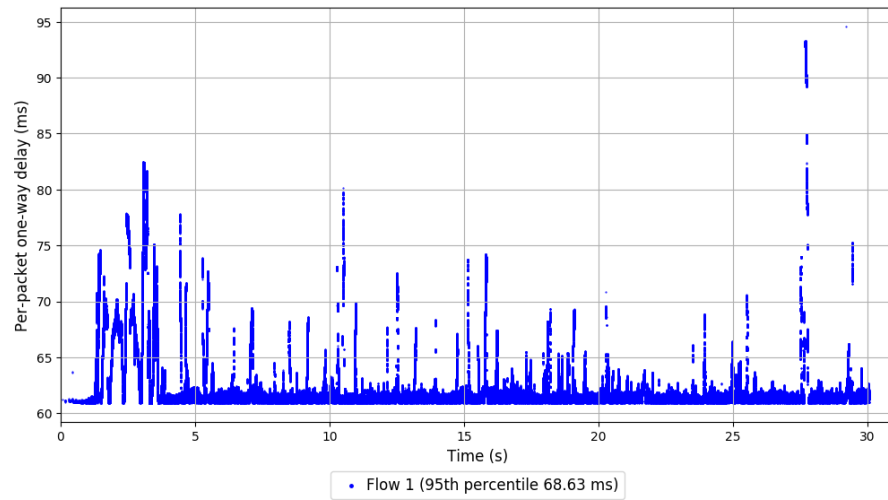
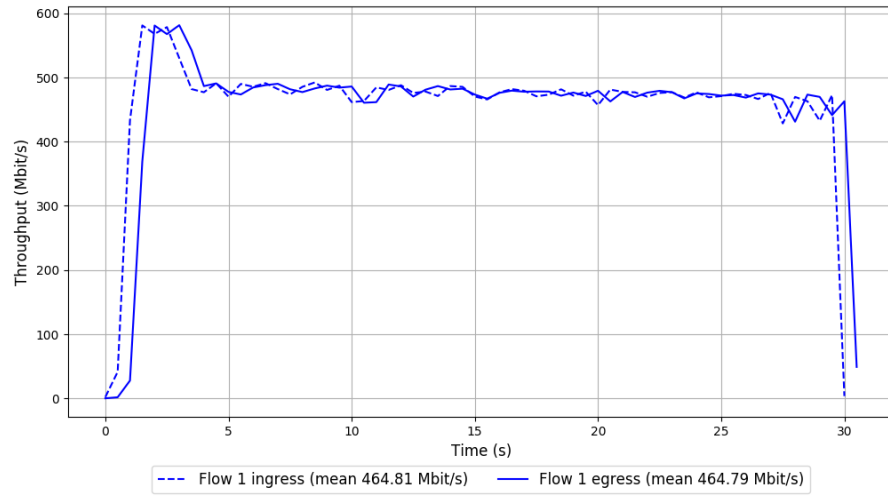
-- Flow 1:

Average throughput: 464.79 Mbit/s

95th percentile per-packet one-way delay: 68.629 ms

Loss rate: 0.01%

Run 4: Report of TCP Vegas — Data Link

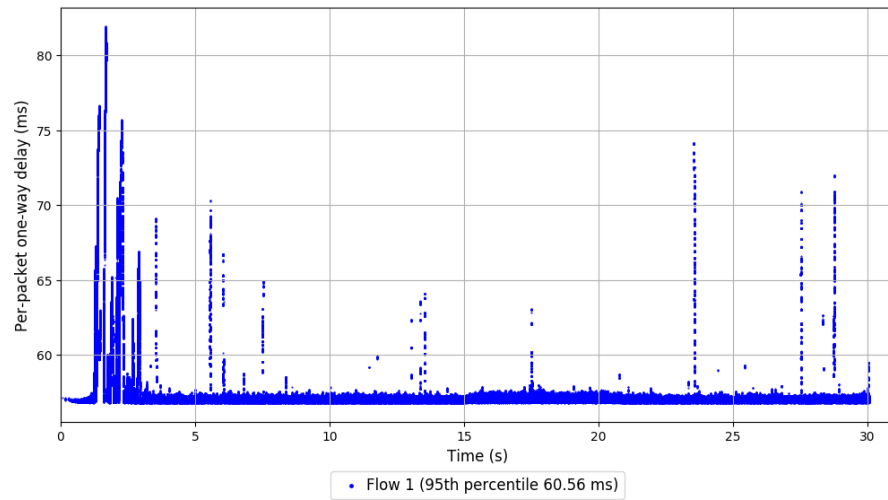
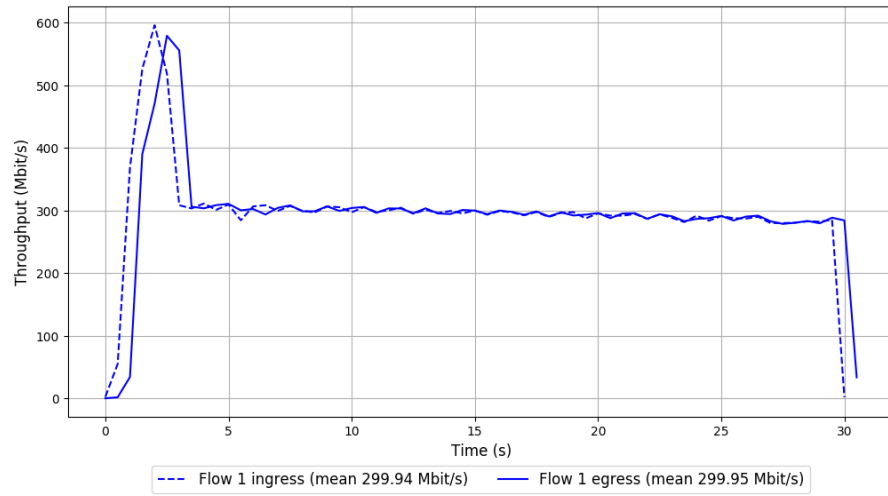


Run 5: Statistics of TCP Vegas

Start at: 2019-03-09 18:53:31
End at: 2019-03-09 18:54:01
Local clock offset: -0.331 ms
Remote clock offset: -0.134 ms

Below is generated by plot.py at 2019-03-09 21:15:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 299.95 Mbit/s
95th percentile per-packet one-way delay: 60.562 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 299.95 Mbit/s
95th percentile per-packet one-way delay: 60.562 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

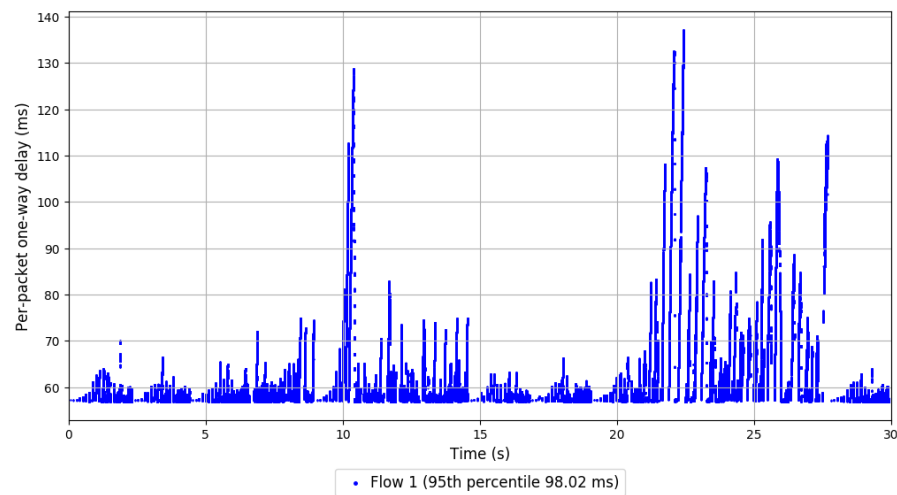
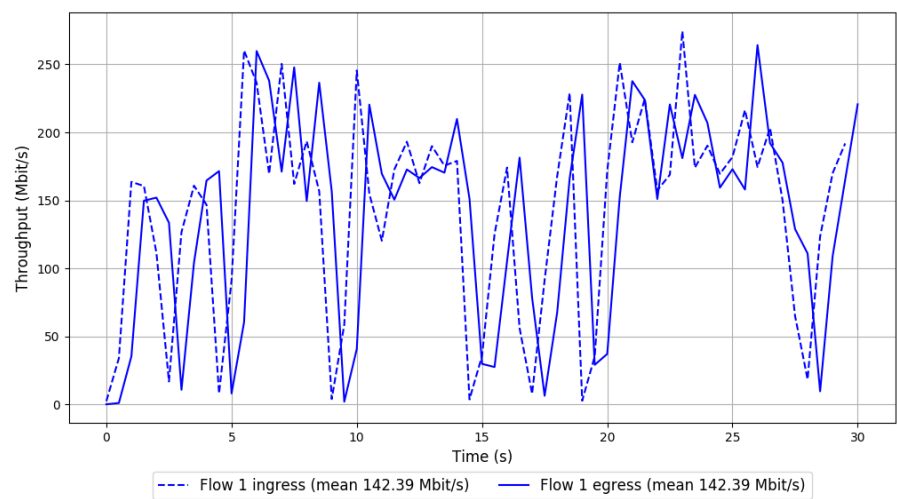


Run 1: Statistics of Verus

Start at: 2019-03-09 16:49:45
End at: 2019-03-09 16:50:15
Local clock offset: -0.224 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2019-03-09 21:15:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 142.39 Mbit/s
95th percentile per-packet one-way delay: 98.024 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 142.39 Mbit/s
95th percentile per-packet one-way delay: 98.024 ms
Loss rate: 0.00%

Run 1: Report of Verus — Data Link

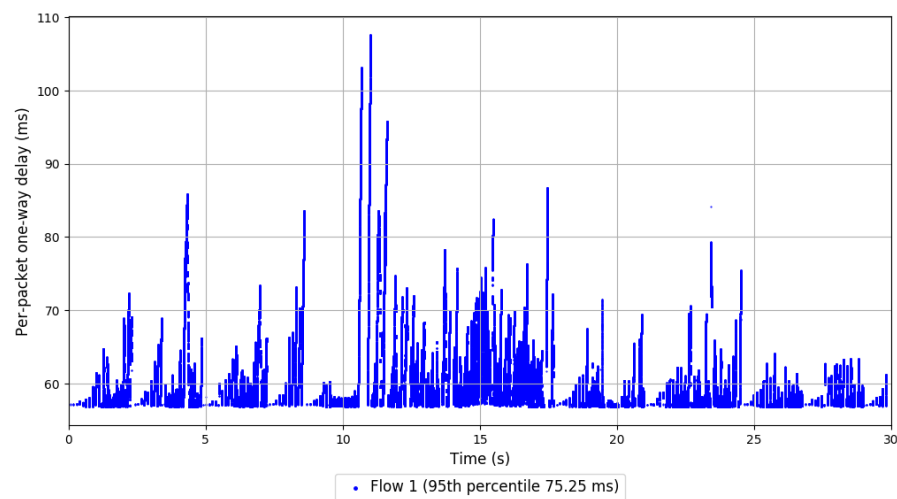
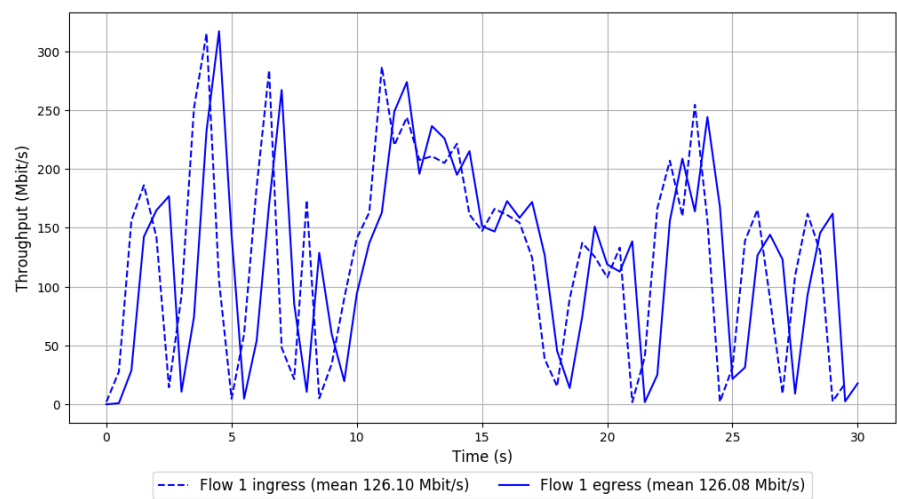


Run 2: Statistics of Verus

Start at: 2019-03-09 17:23:52
End at: 2019-03-09 17:24:22
Local clock offset: -0.324 ms
Remote clock offset: -0.166 ms

Below is generated by plot.py at 2019-03-09 21:15:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 126.08 Mbit/s
95th percentile per-packet one-way delay: 75.248 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 126.08 Mbit/s
95th percentile per-packet one-way delay: 75.248 ms
Loss rate: 0.00%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2019-03-09 17:58:24

End at: 2019-03-09 17:58:54

Local clock offset: -0.058 ms

Remote clock offset: -0.15 ms

Below is generated by plot.py at 2019-03-09 21:15:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 176.03 Mbit/s

95th percentile per-packet one-way delay: 147.398 ms

Loss rate: 0.84%

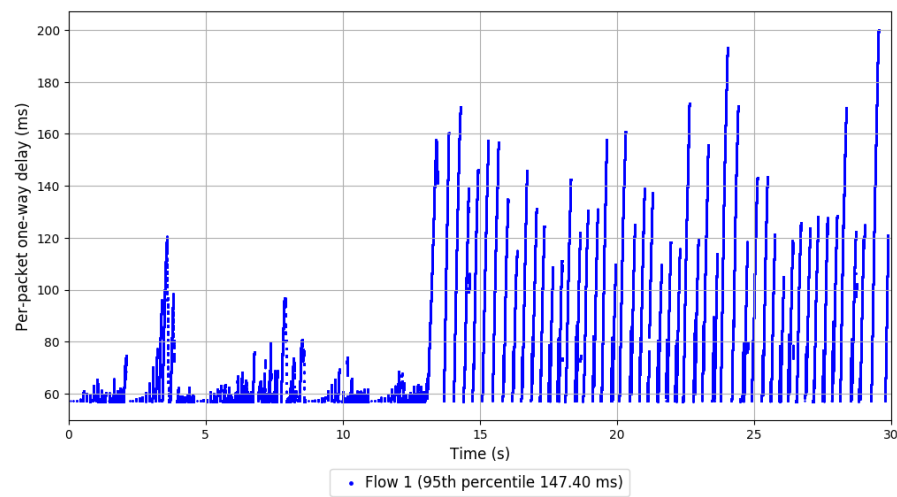
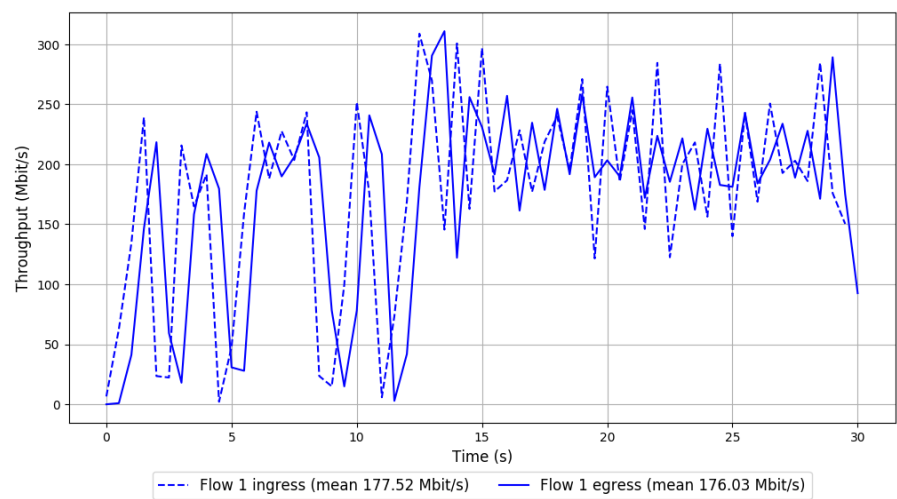
-- Flow 1:

Average throughput: 176.03 Mbit/s

95th percentile per-packet one-way delay: 147.398 ms

Loss rate: 0.84%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2019-03-09 18:33:46

End at: 2019-03-09 18:34:16

Local clock offset: 0.334 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2019-03-09 21:15:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 168.73 Mbit/s

95th percentile per-packet one-way delay: 190.597 ms

Loss rate: 1.44%

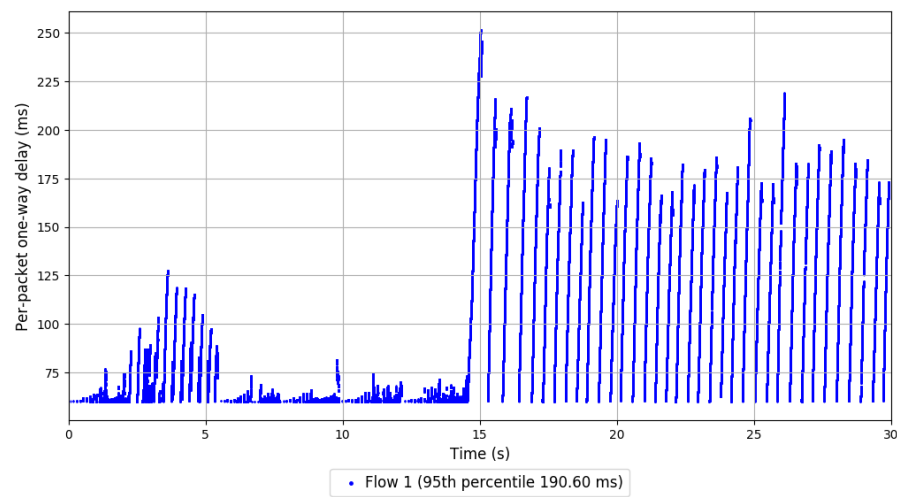
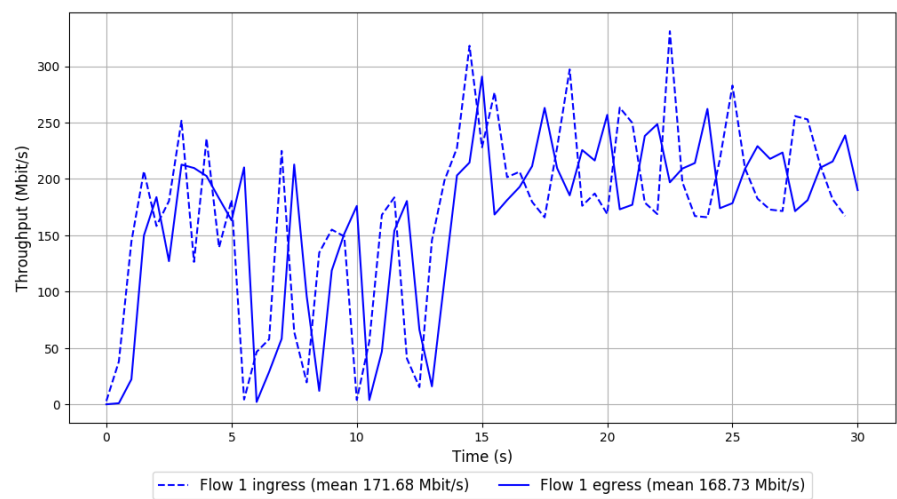
-- Flow 1:

Average throughput: 168.73 Mbit/s

95th percentile per-packet one-way delay: 190.597 ms

Loss rate: 1.44%

Run 4: Report of Verus — Data Link

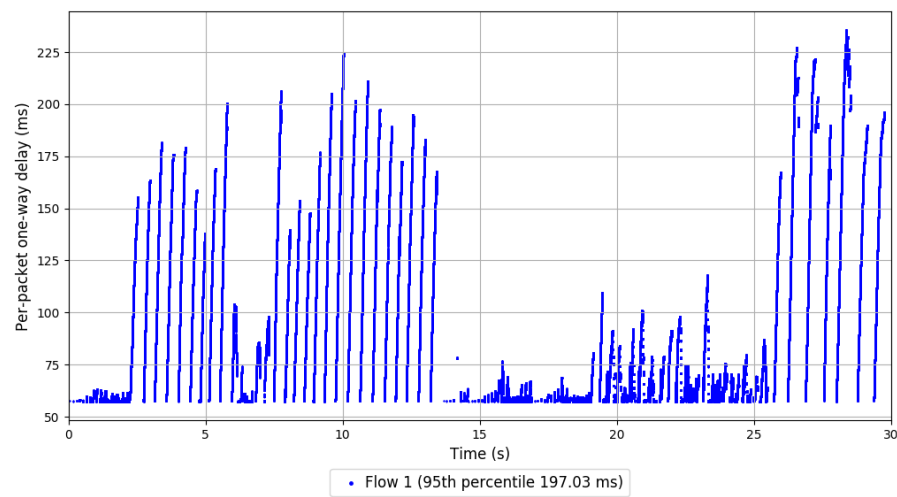
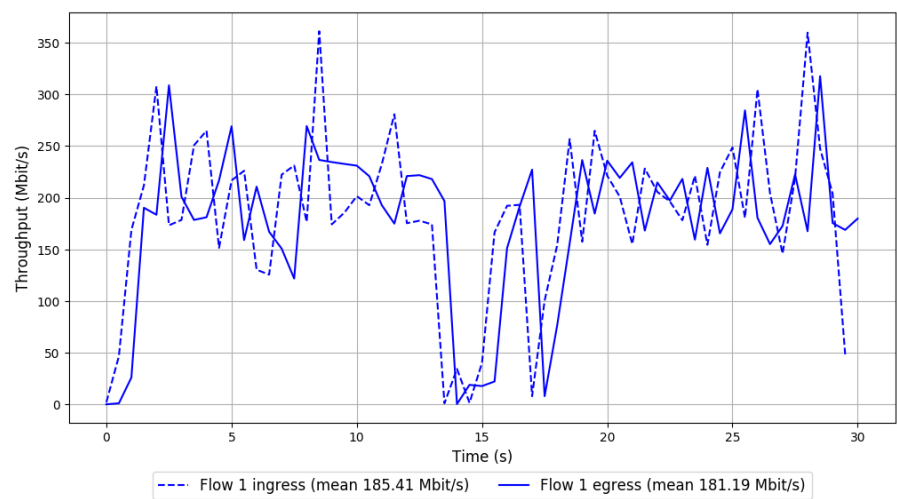


Run 5: Statistics of Verus

Start at: 2019-03-09 19:08:42
End at: 2019-03-09 19:09:12
Local clock offset: -0.389 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2019-03-09 21:15:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 181.19 Mbit/s
95th percentile per-packet one-way delay: 197.027 ms
Loss rate: 1.82%
-- Flow 1:
Average throughput: 181.19 Mbit/s
95th percentile per-packet one-way delay: 197.027 ms
Loss rate: 1.82%

Run 5: Report of Verus — Data Link

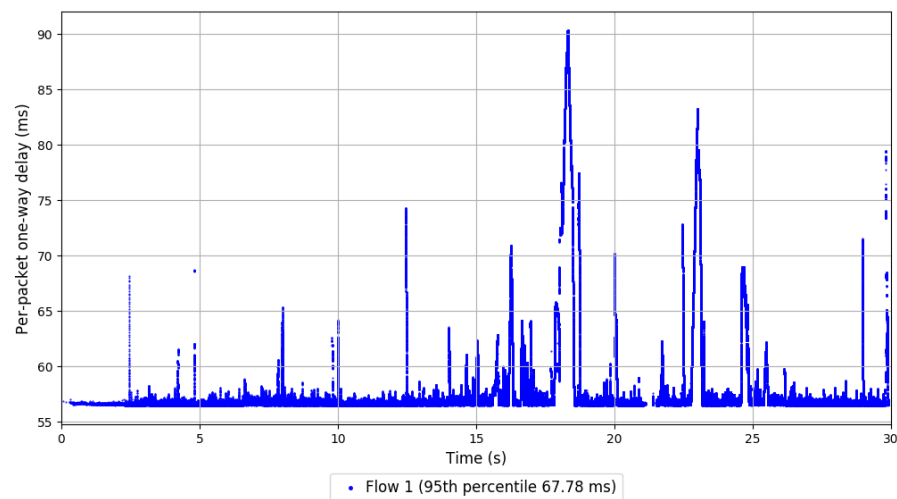
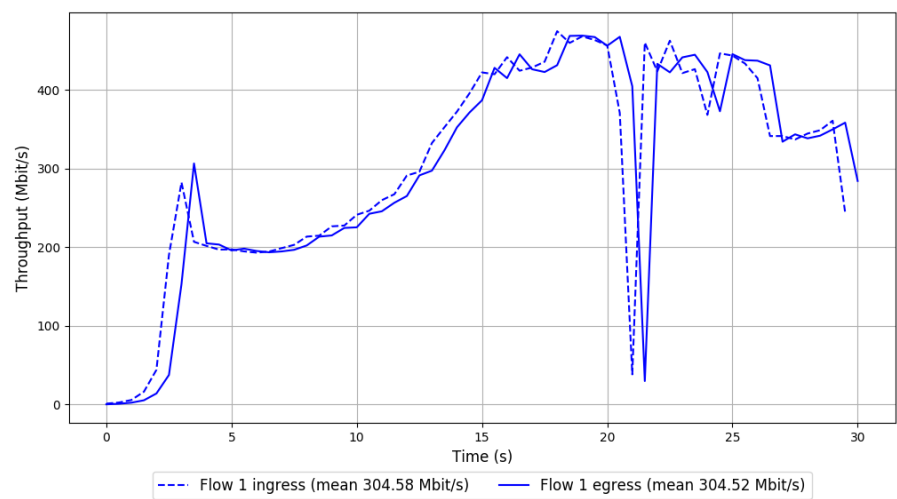


Run 1: Statistics of PCC-Vivace

Start at: 2019-03-09 16:45:15
End at: 2019-03-09 16:45:45
Local clock offset: -0.143 ms
Remote clock offset: -0.251 ms

Below is generated by plot.py at 2019-03-09 21:16:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 304.52 Mbit/s
95th percentile per-packet one-way delay: 67.779 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 304.52 Mbit/s
95th percentile per-packet one-way delay: 67.779 ms
Loss rate: 0.02%

Run 1: Report of PCC-Vivace — Data Link

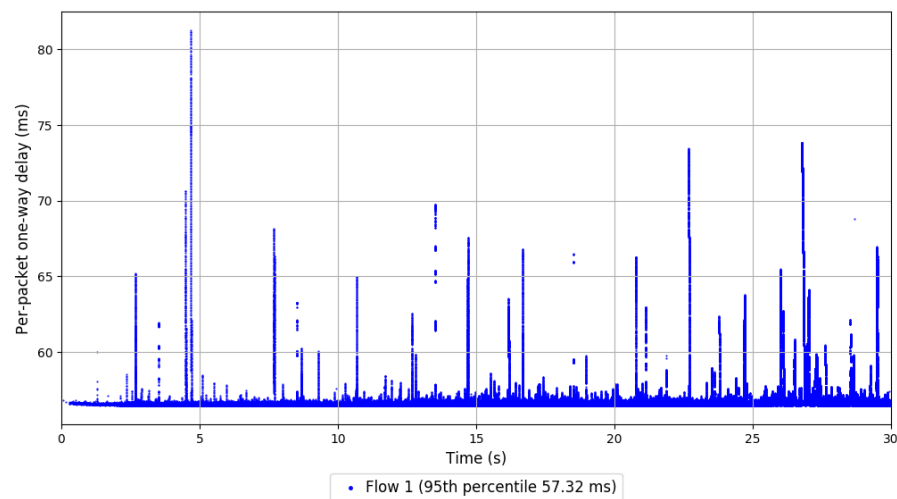
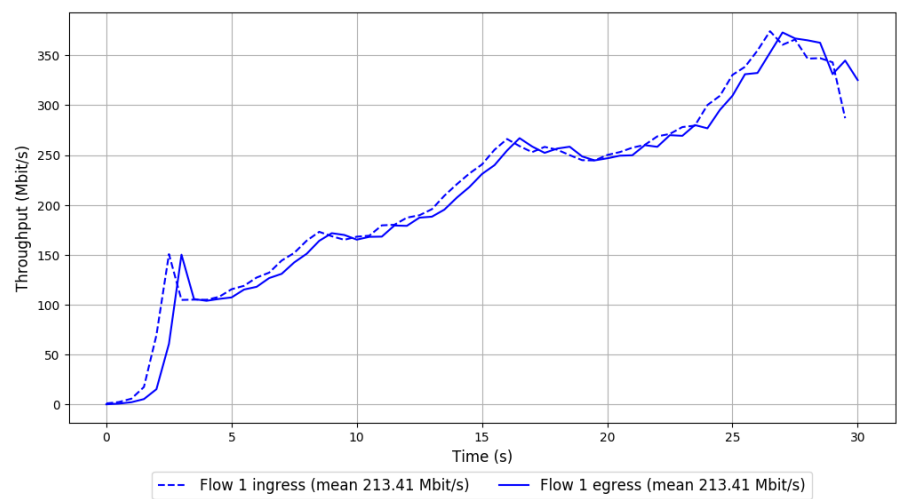


Run 2: Statistics of PCC-Vivace

Start at: 2019-03-09 17:19:21
End at: 2019-03-09 17:19:51
Local clock offset: 0.083 ms
Remote clock offset: -0.285 ms

Below is generated by plot.py at 2019-03-09 21:16:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 213.41 Mbit/s
95th percentile per-packet one-way delay: 57.317 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 213.41 Mbit/s
95th percentile per-packet one-way delay: 57.317 ms
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link

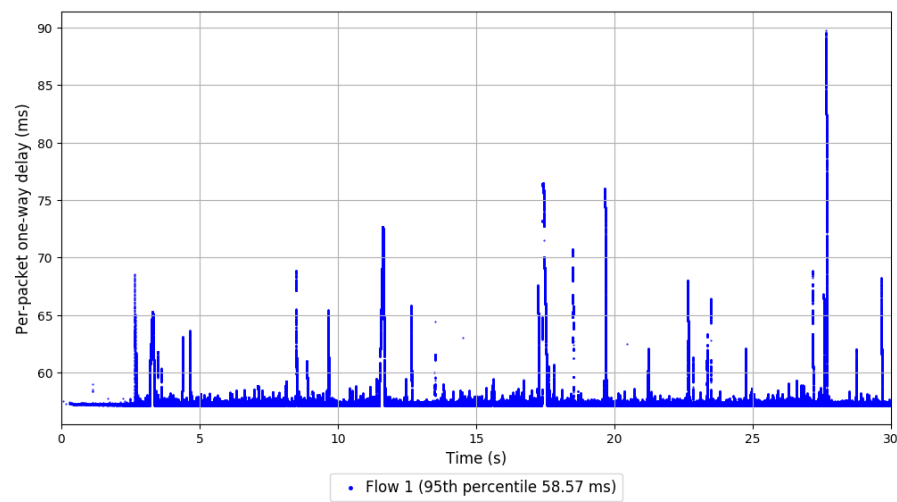
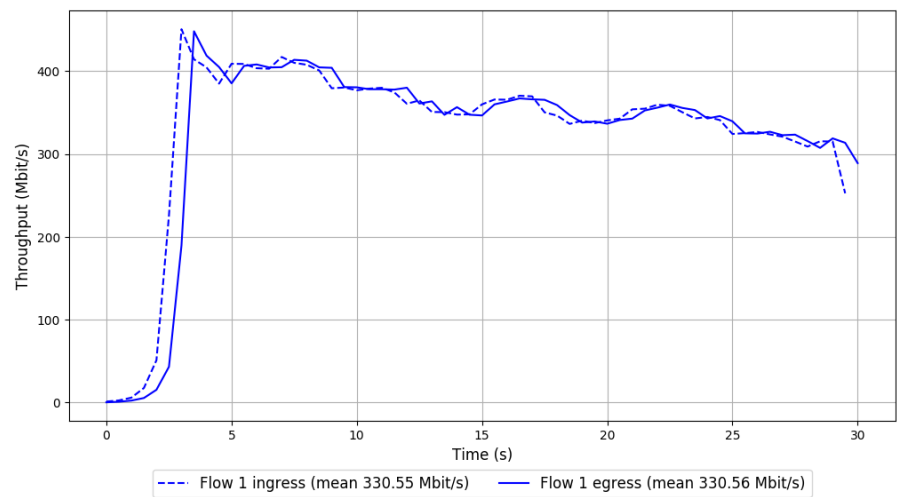


Run 3: Statistics of PCC-Vivace

Start at: 2019-03-09 17:53:46
End at: 2019-03-09 17:54:16
Local clock offset: -0.509 ms
Remote clock offset: -0.185 ms

Below is generated by plot.py at 2019-03-09 21:16:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 330.56 Mbit/s
95th percentile per-packet one-way delay: 58.566 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 330.56 Mbit/s
95th percentile per-packet one-way delay: 58.566 ms
Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

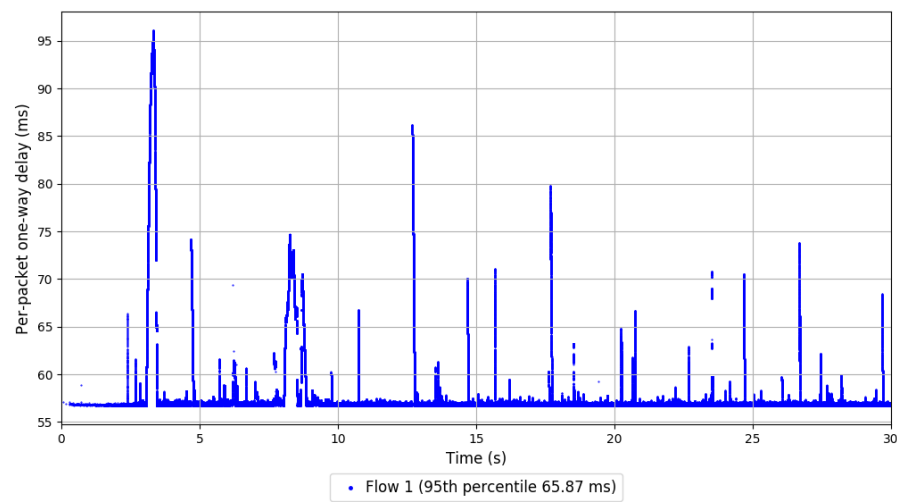
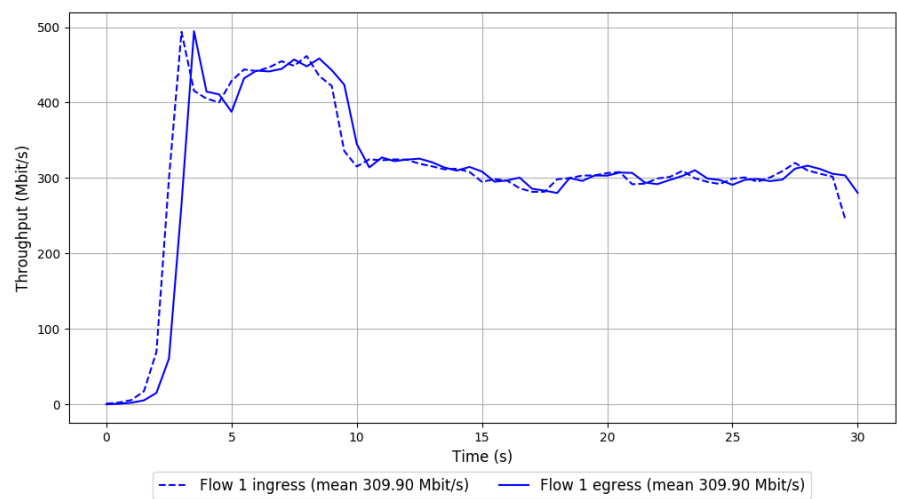


Run 4: Statistics of PCC-Vivace

Start at: 2019-03-09 18:28:51
End at: 2019-03-09 18:29:21
Local clock offset: 0.07 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2019-03-09 21:16:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 309.90 Mbit/s
95th percentile per-packet one-way delay: 65.866 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 309.90 Mbit/s
95th percentile per-packet one-way delay: 65.866 ms
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

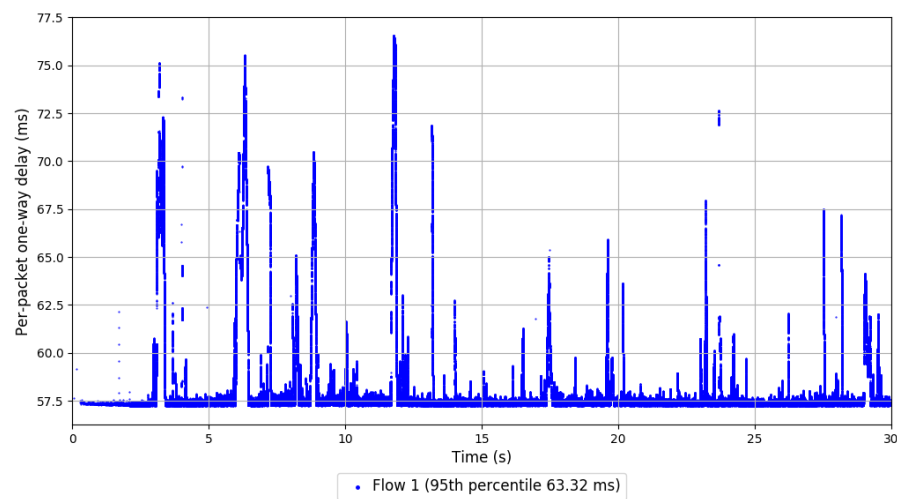
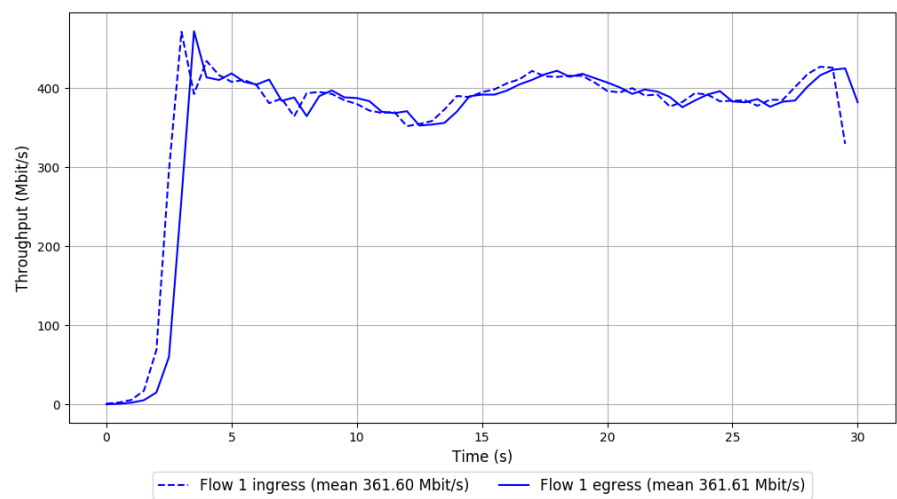


Run 5: Statistics of PCC-Vivace

Start at: 2019-03-09 19:03:56
End at: 2019-03-09 19:04:26
Local clock offset: -0.429 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2019-03-09 21:17:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 361.61 Mbit/s
95th percentile per-packet one-way delay: 63.318 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 361.61 Mbit/s
95th percentile per-packet one-way delay: 63.318 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2019-03-09 16:37:02

End at: 2019-03-09 16:37:32

Local clock offset: -0.098 ms

Remote clock offset: 0.709 ms

Below is generated by plot.py at 2019-03-09 21:17:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 58.356 ms

Loss rate: 0.00%

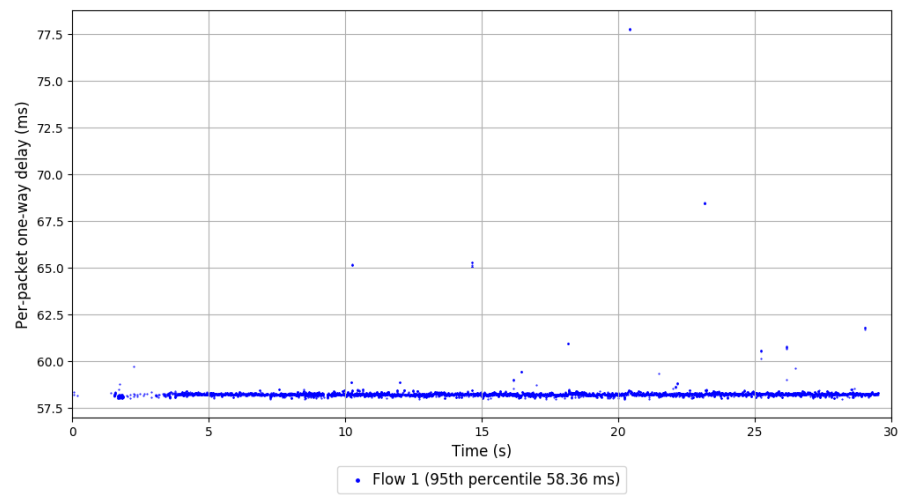
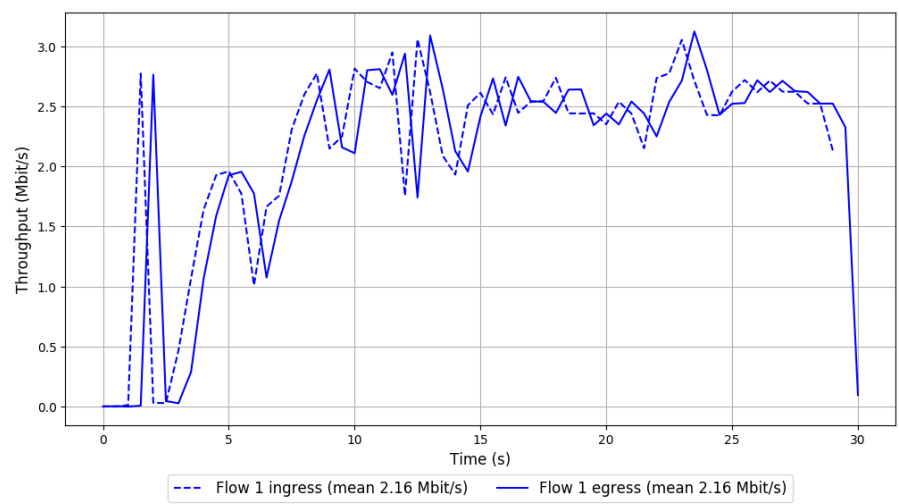
-- Flow 1:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 58.356 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

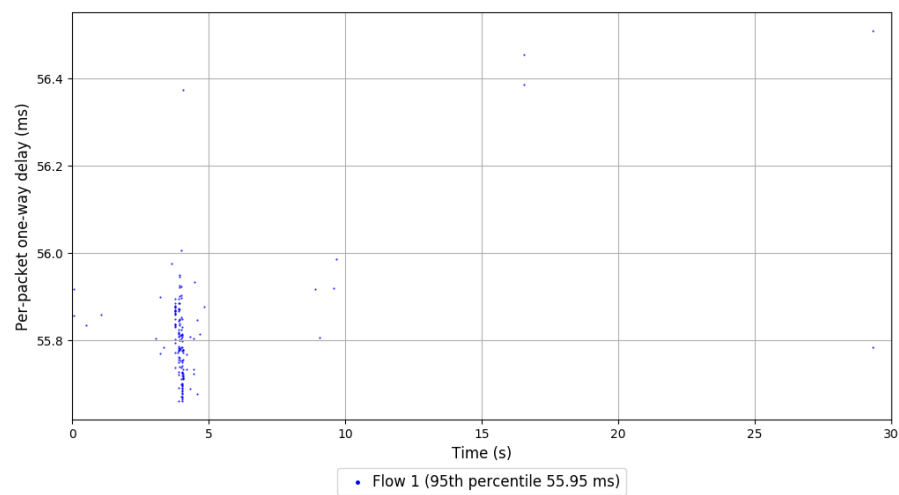
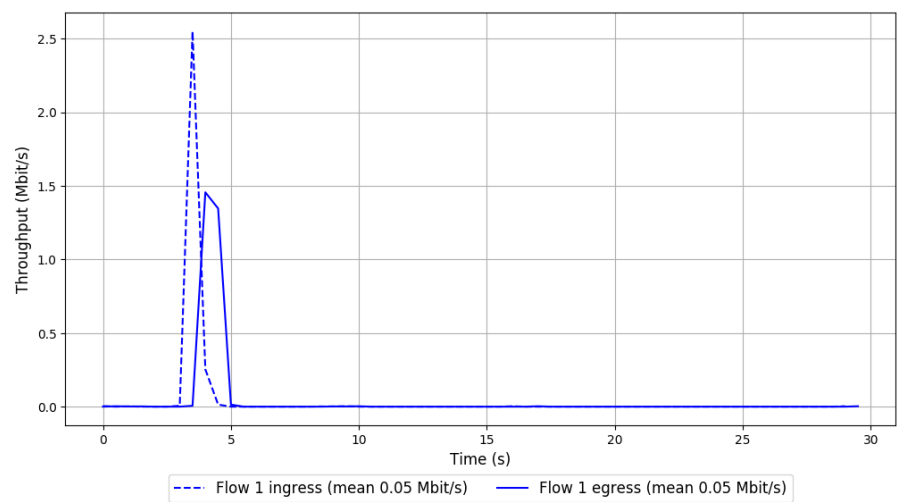


Run 2: Statistics of WebRTC media

Start at: 2019-03-09 17:10:57
End at: 2019-03-09 17:11:27
Local clock offset: -0.051 ms
Remote clock offset: -1.455 ms

Below is generated by plot.py at 2019-03-09 21:17:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 55.946 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 55.946 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

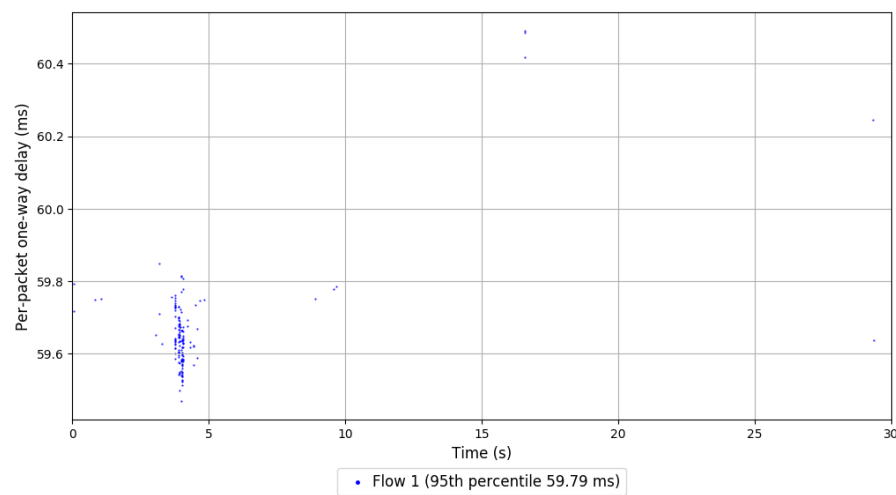
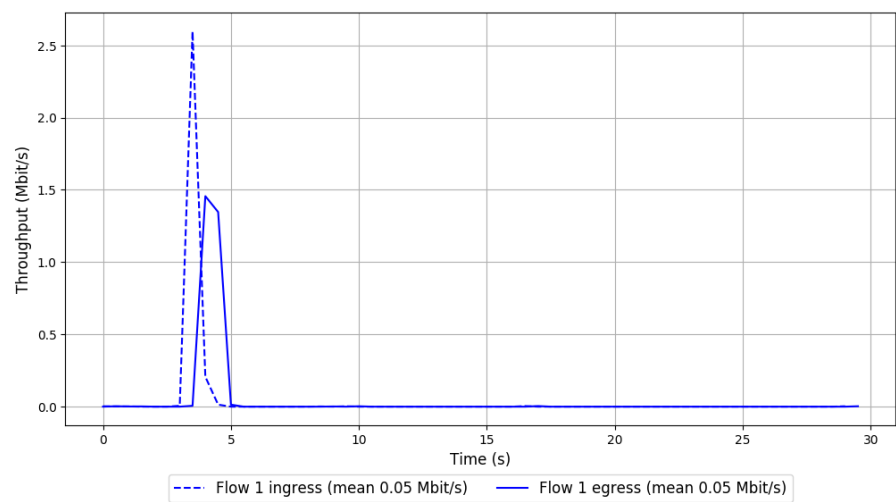


Run 3: Statistics of WebRTC media

Start at: 2019-03-09 17:45:25
End at: 2019-03-09 17:45:55
Local clock offset: -0.107 ms
Remote clock offset: -0.738 ms

Below is generated by plot.py at 2019-03-09 21:17:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 59.792 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 59.792 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

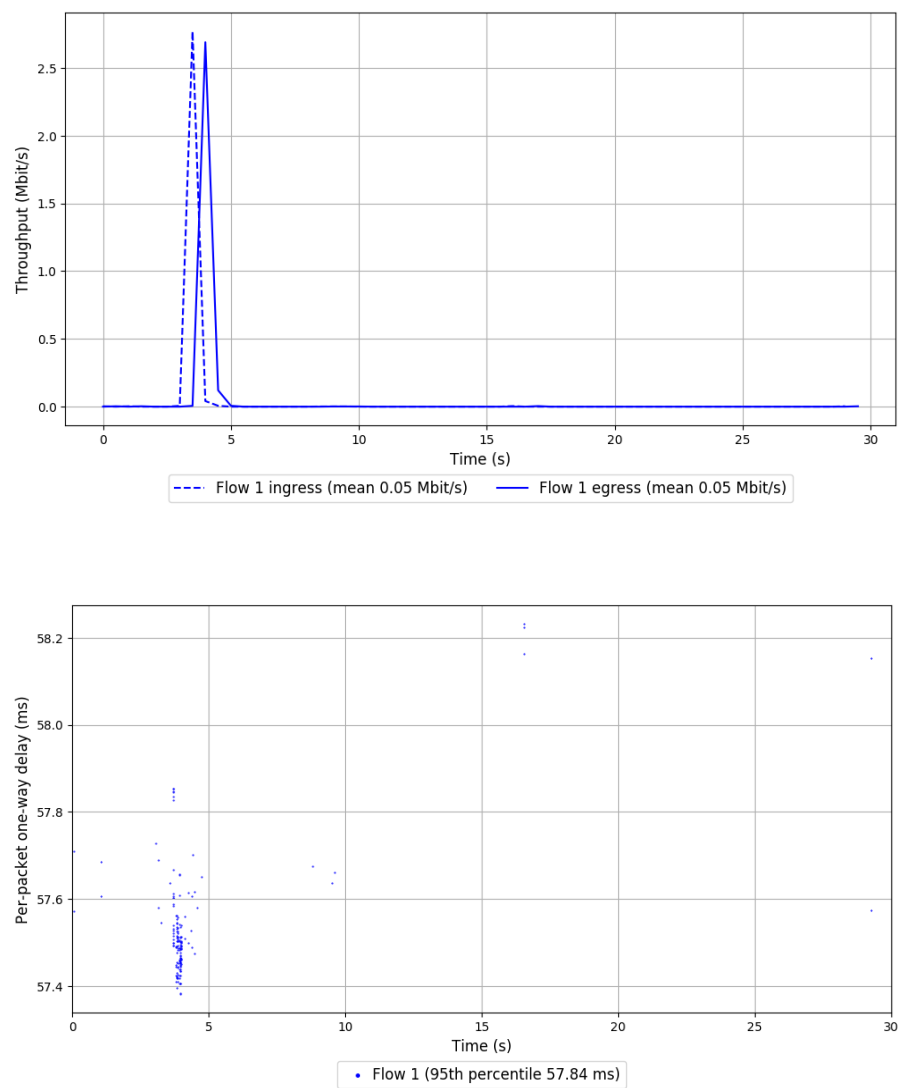


Run 4: Statistics of WebRTC media

Start at: 2019-03-09 18:20:19
End at: 2019-03-09 18:20:49
Local clock offset: -0.487 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2019-03-09 21:17:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 57.835 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 57.835 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-03-09 18:55:07
End at: 2019-03-09 18:55:37
Local clock offset: -0.162 ms
Remote clock offset: -0.119 ms

Below is generated by plot.py at 2019-03-09 21:17:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 60.268 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 60.268 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

