

Pantheon Report

Generated at 2019-01-24 17:58:56 (UTC).

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

Repeated the test of 21 congestion control schemes 5 times.

Each test lasted for 30 seconds running 1 flow.

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

System info:

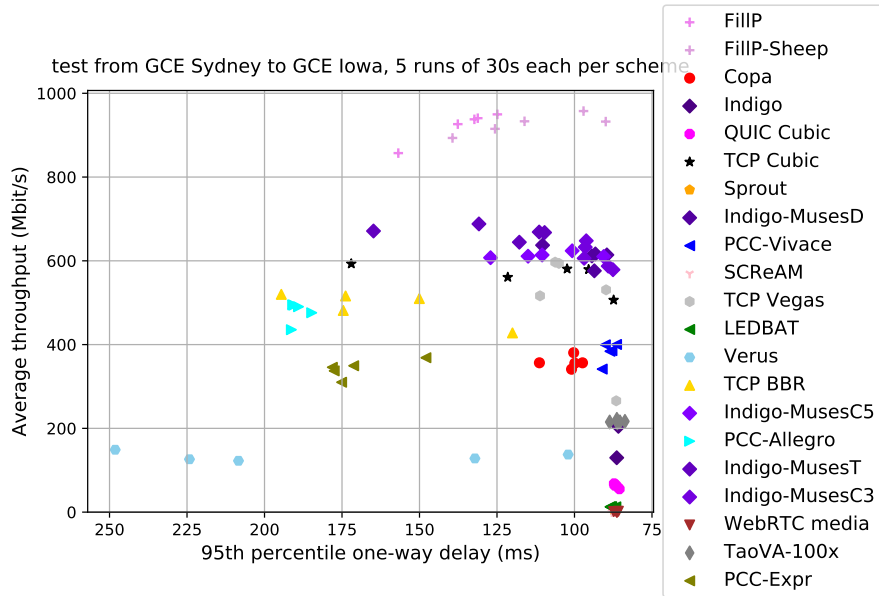
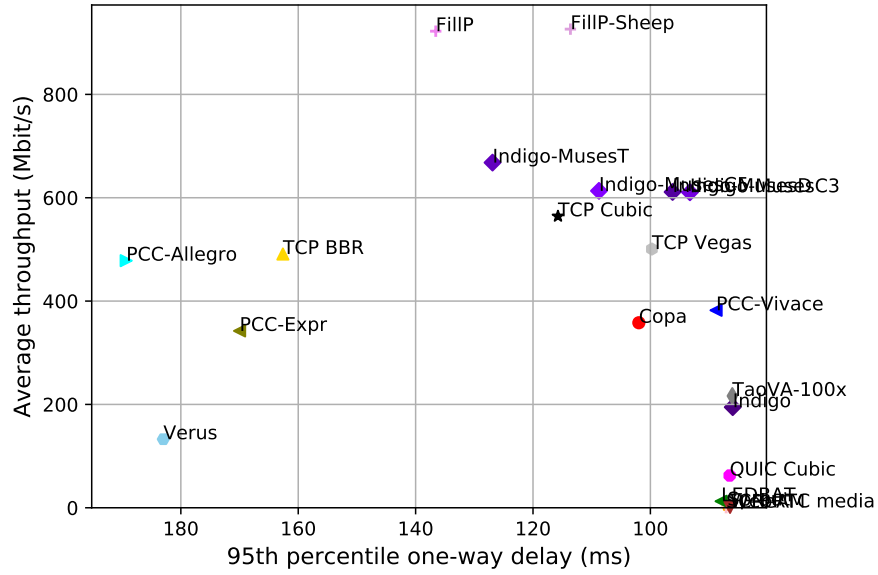
```
Linux 4.15.0-1026-gcp
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

```
branch: muses @ 0b8e9a949603c3842368430acf469eec3b941f9f
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd9c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ d9c5ea33091330aca25ecd105ab2db6d34d5c40d
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 Iowa, 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	491.10	162.61	0.67
Copa	5	358.07	101.97	0.01
TCP Cubic	5	564.11	115.75	0.04
FillP	5	922.32	136.57	1.02
FillP-Sheep	5	926.31	113.62	0.31
Indigo	5	194.70	85.97	0.00
Indigo-MusesC3	5	610.54	93.26	0.01
Indigo-MusesC5	5	613.32	108.76	0.08
Indigo-MusesD	5	611.16	96.22	0.00
Indigo-MusesT	5	668.01	126.90	0.07
LEDBAT	5	12.57	87.95	0.00
PCC-Allegro	5	478.23	189.31	1.91
PCC-Expr	5	342.26	169.99	1.56
QUIC Cubic	5	62.41	86.49	0.00
SCReAM	5	0.22	87.10	0.00
Sprout	5	4.45	86.89	0.00
TaoVA-100x	5	216.41	86.04	0.00
TCP Vegas	5	500.69	99.74	0.06
Verus	5	132.69	182.99	3.59
PCC-Vivace	5	382.17	88.81	0.09
WebRTC media	5	0.73	86.43	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-01-24 13:10:53

End at: 2019-01-24 13:11:23

Local clock offset: 8.997 ms

Remote clock offset: 19.909 ms

Below is generated by plot.py at 2019-01-24 16:07:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 509.93 Mbit/s

95th percentile per-packet one-way delay: 150.044 ms

Loss rate: 0.30%

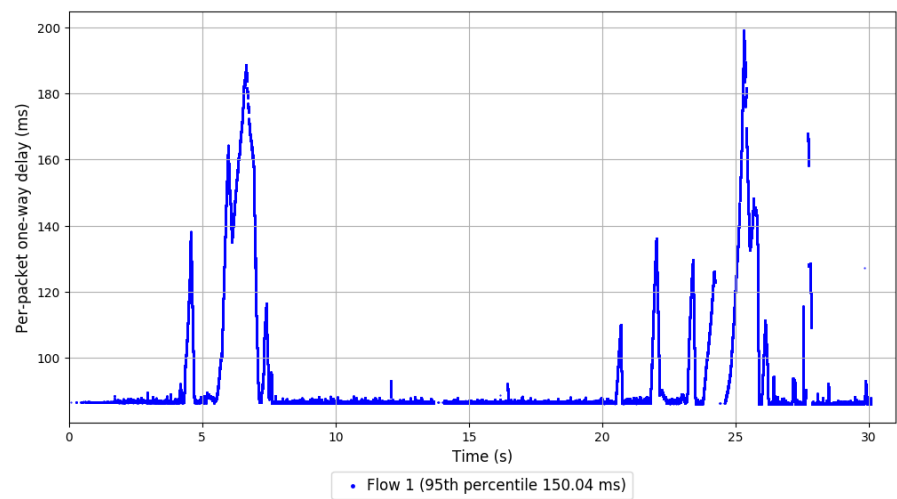
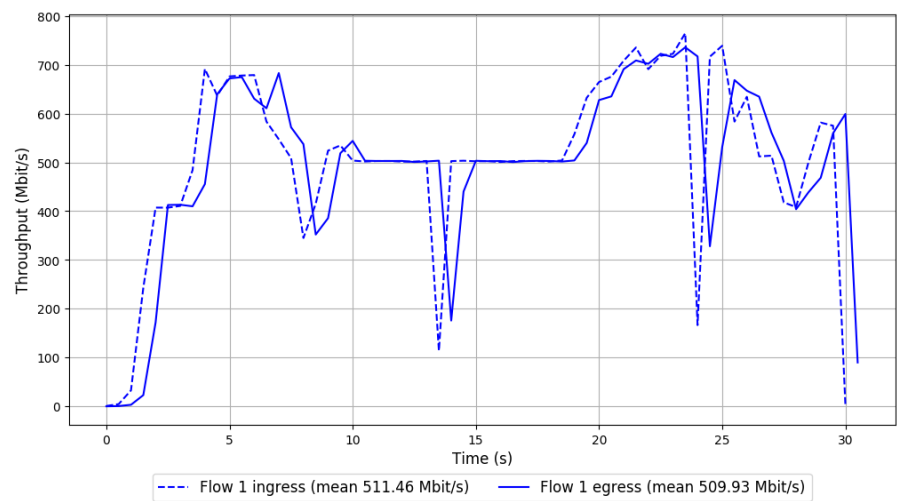
-- Flow 1:

Average throughput: 509.93 Mbit/s

95th percentile per-packet one-way delay: 150.044 ms

Loss rate: 0.30%

Run 1: Report of TCP BBR — Data Link

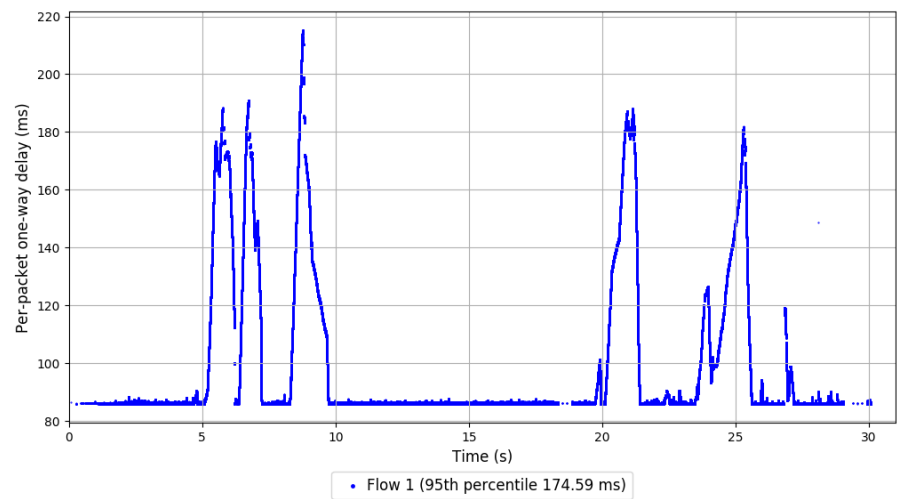
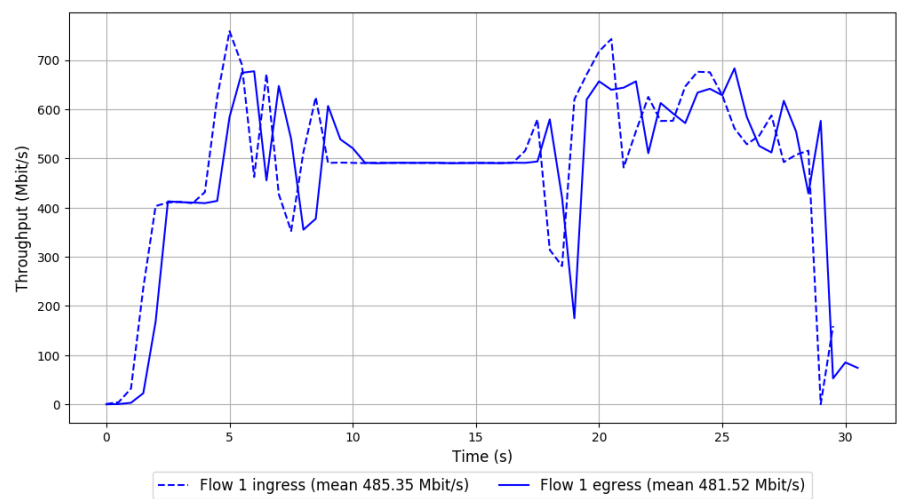


Run 2: Statistics of TCP BBR

Start at: 2019-01-24 13:43:17
End at: 2019-01-24 13:43:47
Local clock offset: 19.848 ms
Remote clock offset: 22.152 ms

Below is generated by plot.py at 2019-01-24 16:07:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 481.52 Mbit/s
95th percentile per-packet one-way delay: 174.587 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 481.52 Mbit/s
95th percentile per-packet one-way delay: 174.587 ms
Loss rate: 0.79%

Run 2: Report of TCP BBR — Data Link

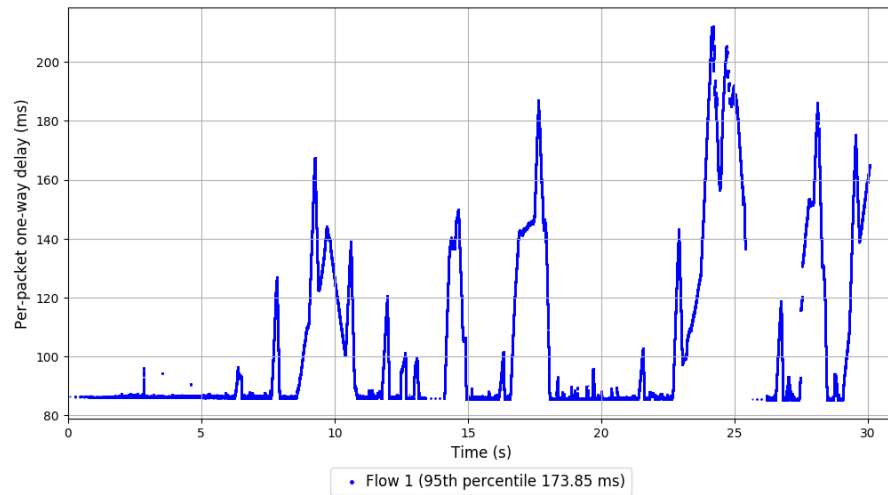
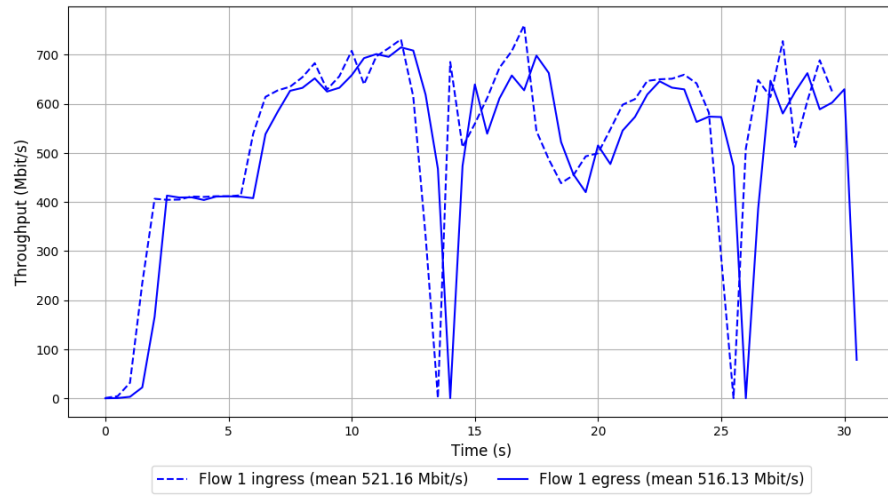


Run 3: Statistics of TCP BBR

Start at: 2019-01-24 14:17:04
End at: 2019-01-24 14:17:34
Local clock offset: 18.555 ms
Remote clock offset: 33.924 ms

Below is generated by plot.py at 2019-01-24 16:07:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 516.13 Mbit/s
95th percentile per-packet one-way delay: 173.849 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 516.13 Mbit/s
95th percentile per-packet one-way delay: 173.849 ms
Loss rate: 0.97%

Run 3: Report of TCP BBR — Data Link

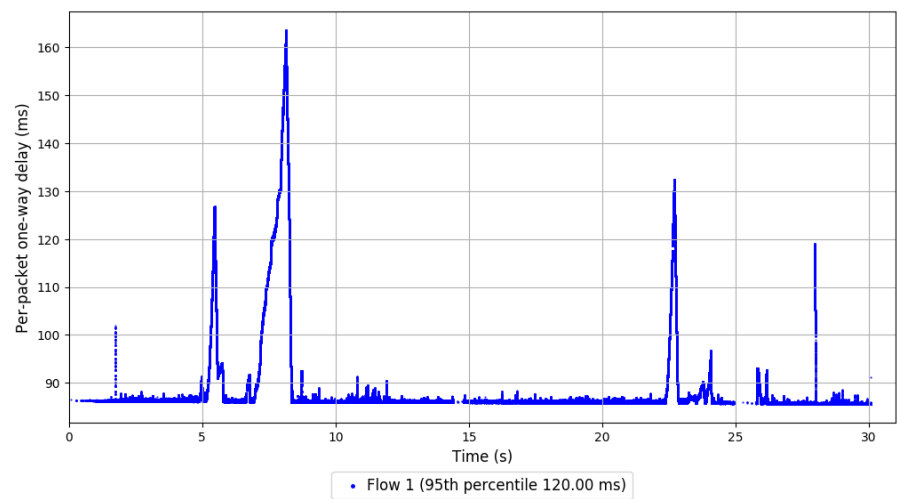
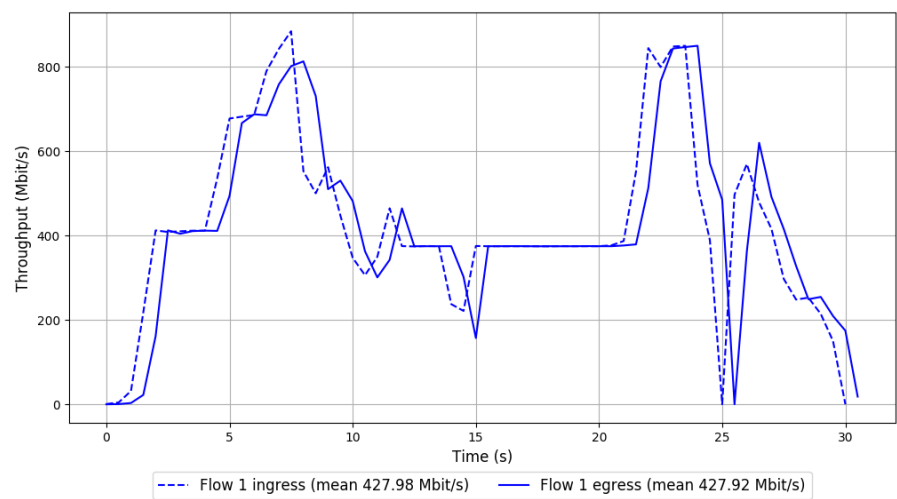


Run 4: Statistics of TCP BBR

Start at: 2019-01-24 14:50:00
End at: 2019-01-24 14:50:30
Local clock offset: 8.298 ms
Remote clock offset: 17.563 ms

Below is generated by plot.py at 2019-01-24 16:07:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 427.92 Mbit/s
95th percentile per-packet one-way delay: 120.004 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 427.92 Mbit/s
95th percentile per-packet one-way delay: 120.004 ms
Loss rate: 0.02%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-01-24 15:22:22

End at: 2019-01-24 15:22:52

Local clock offset: 2.558 ms

Remote clock offset: 4.61 ms

Below is generated by plot.py at 2019-01-24 16:07:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 520.00 Mbit/s

95th percentile per-packet one-way delay: 194.581 ms

Loss rate: 1.28%

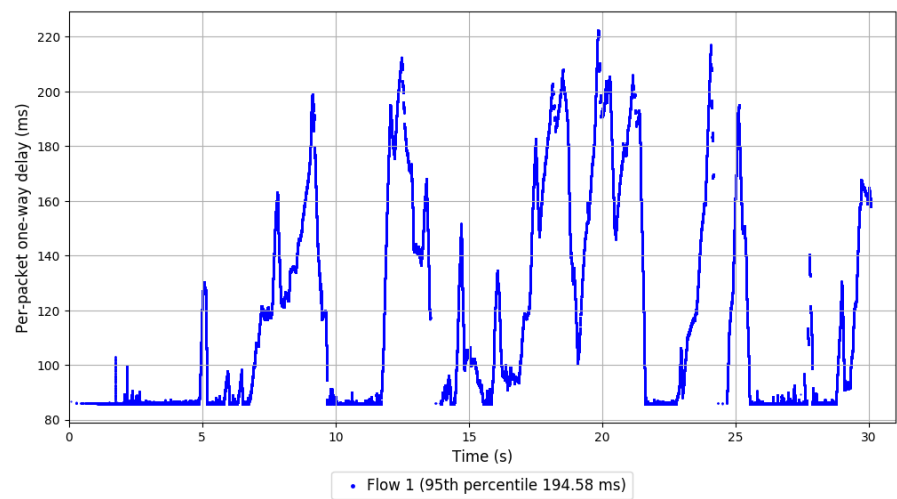
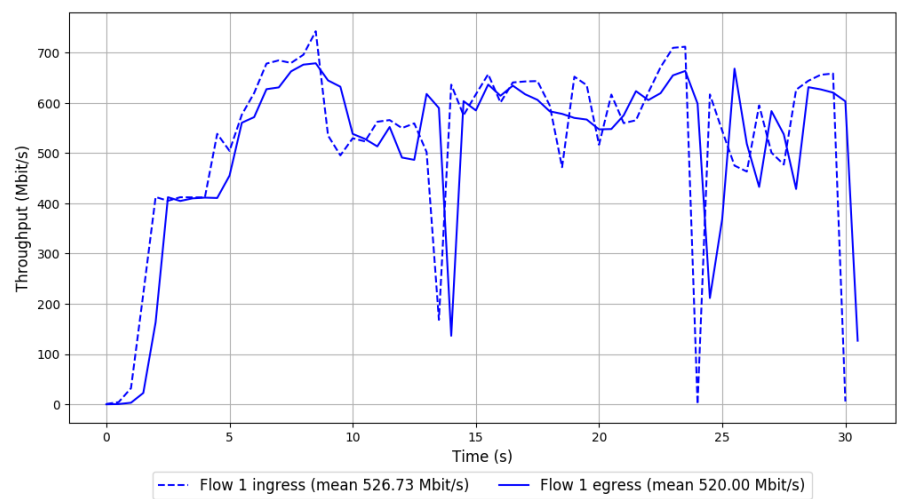
-- Flow 1:

Average throughput: 520.00 Mbit/s

95th percentile per-packet one-way delay: 194.581 ms

Loss rate: 1.28%

Run 5: Report of TCP BBR — Data Link

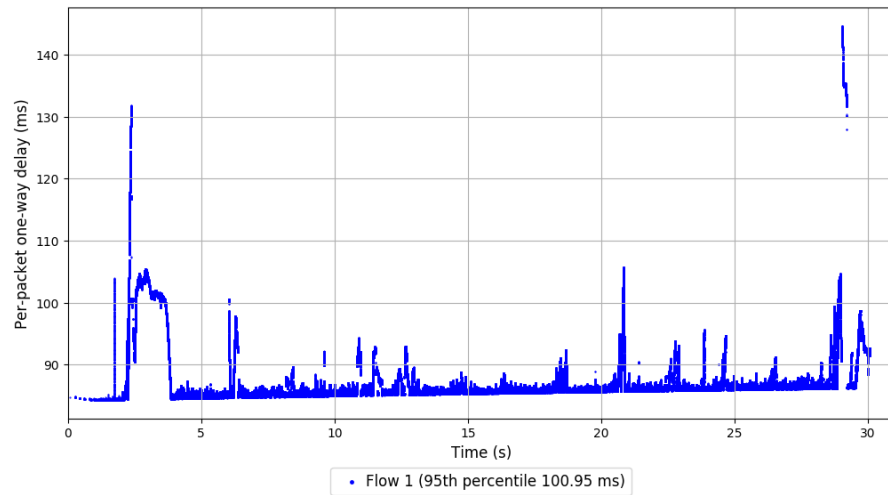
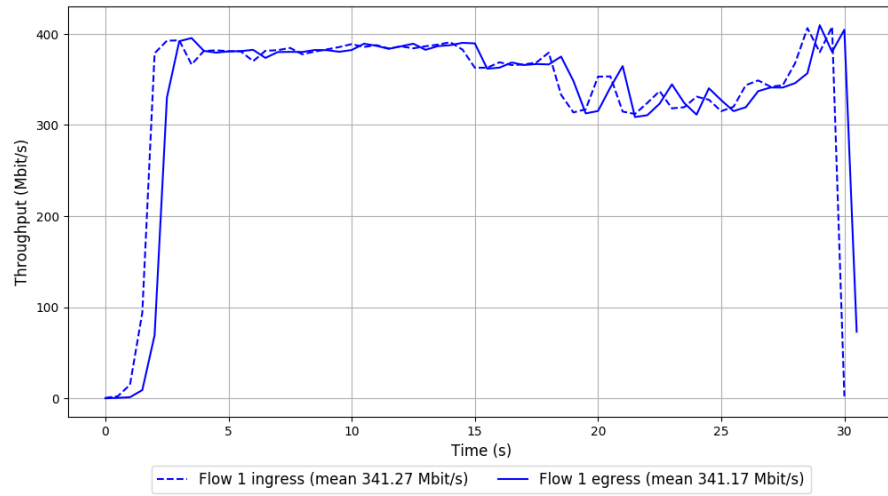


Run 1: Statistics of Copa

Start at: 2019-01-24 13:07:52
End at: 2019-01-24 13:08:22
Local clock offset: 12.169 ms
Remote clock offset: 25.713 ms

Below is generated by plot.py at 2019-01-24 16:09:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 341.17 Mbit/s
95th percentile per-packet one-way delay: 100.948 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 341.17 Mbit/s
95th percentile per-packet one-way delay: 100.948 ms
Loss rate: 0.02%

Run 1: Report of Copa — Data Link

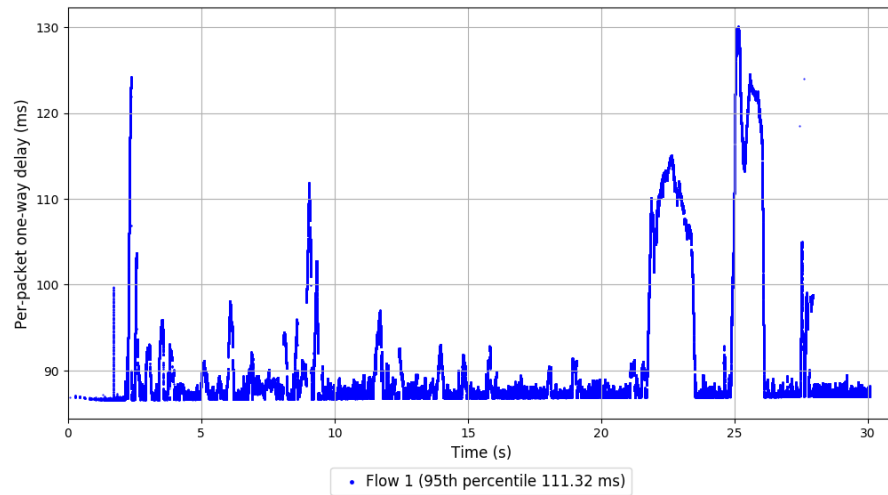
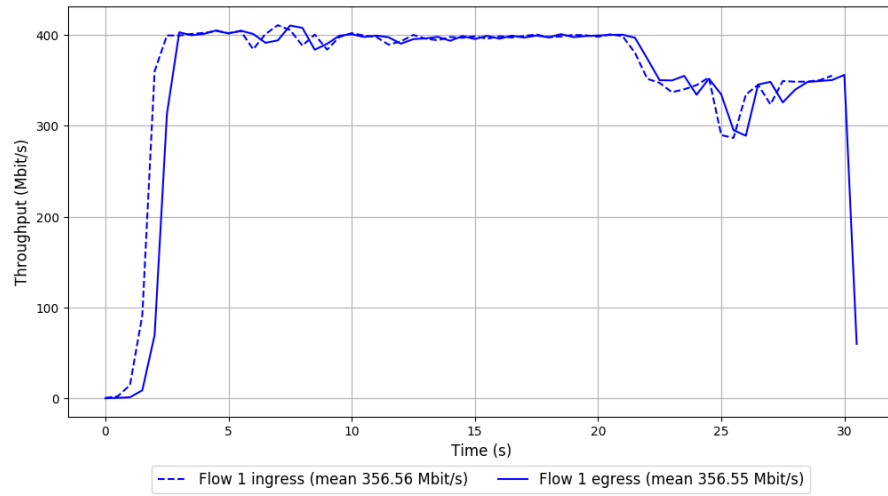


Run 2: Statistics of Copa

Start at: 2019-01-24 13:40:06
End at: 2019-01-24 13:40:36
Local clock offset: 19.616 ms
Remote clock offset: 23.873 ms

Below is generated by plot.py at 2019-01-24 16:09:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 356.55 Mbit/s
95th percentile per-packet one-way delay: 111.318 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 356.55 Mbit/s
95th percentile per-packet one-way delay: 111.318 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

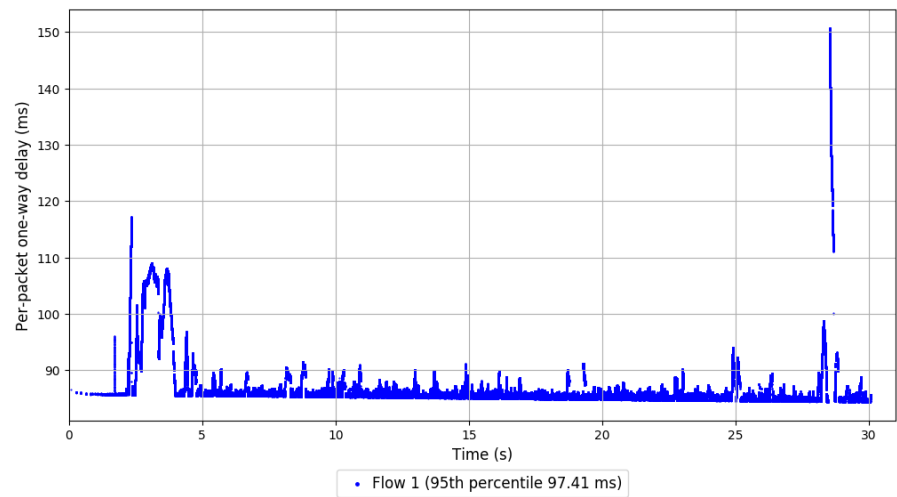
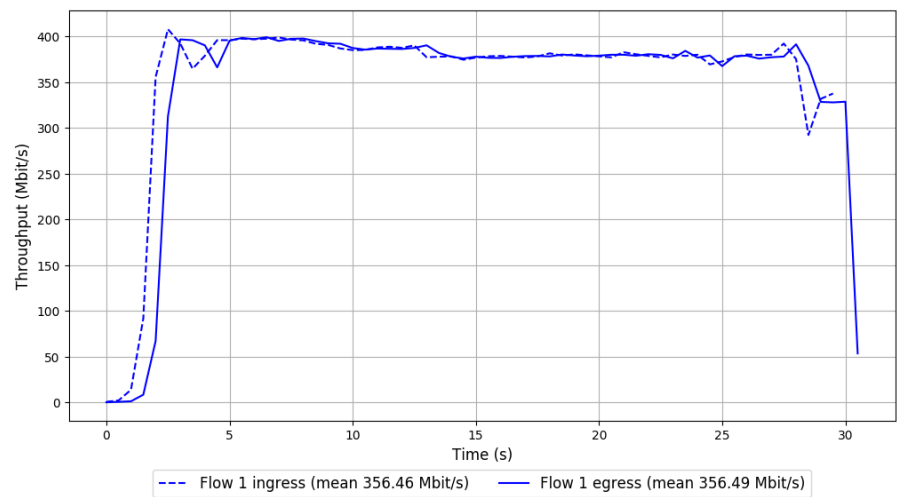


Run 3: Statistics of Copa

Start at: 2019-01-24 14:13:09
End at: 2019-01-24 14:13:39
Local clock offset: 23.765 ms
Remote clock offset: 29.871 ms

Below is generated by plot.py at 2019-01-24 16:09:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 356.49 Mbit/s
95th percentile per-packet one-way delay: 97.413 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 356.49 Mbit/s
95th percentile per-packet one-way delay: 97.413 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

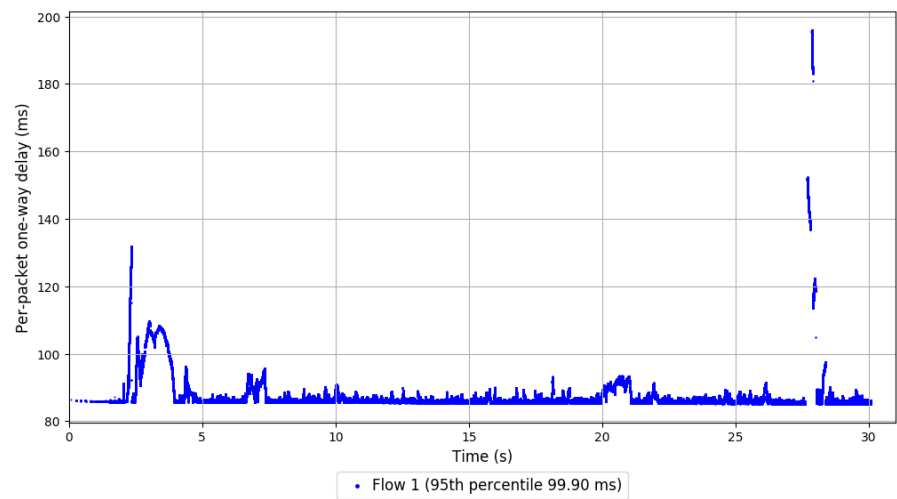
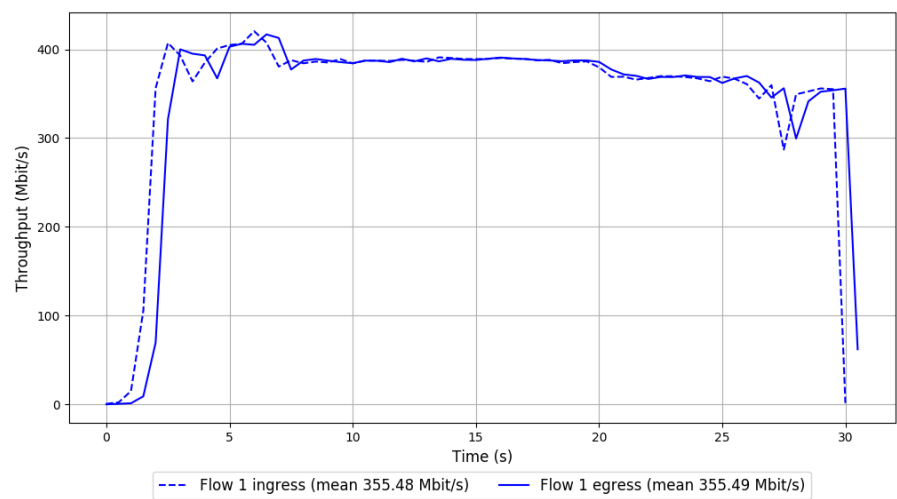


Run 4: Statistics of Copa

Start at: 2019-01-24 14:46:35
End at: 2019-01-24 14:47:05
Local clock offset: 11.525 ms
Remote clock offset: 16.561 ms

Below is generated by plot.py at 2019-01-24 16:18:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 355.49 Mbit/s
95th percentile per-packet one-way delay: 99.897 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 355.49 Mbit/s
95th percentile per-packet one-way delay: 99.897 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2019-01-24 15:19:00

End at: 2019-01-24 15:19:30

Local clock offset: 3.195 ms

Remote clock offset: 4.687 ms

Below is generated by plot.py at 2019-01-24 16:19:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 380.66 Mbit/s

95th percentile per-packet one-way delay: 100.264 ms

Loss rate: 0.02%

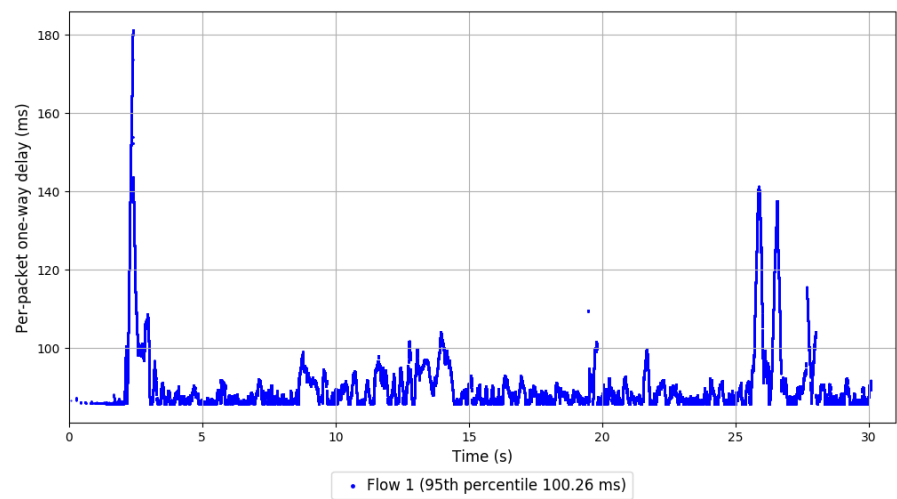
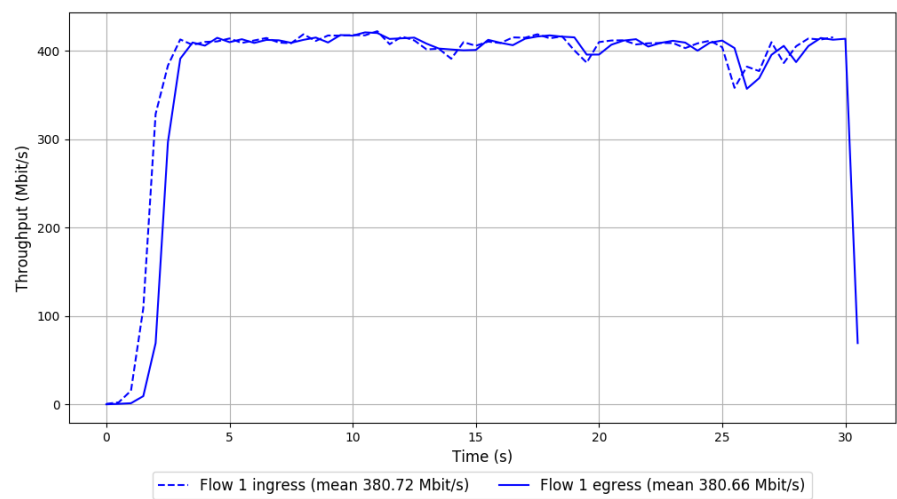
-- Flow 1:

Average throughput: 380.66 Mbit/s

95th percentile per-packet one-way delay: 100.264 ms

Loss rate: 0.02%

Run 5: Report of Copa — Data Link

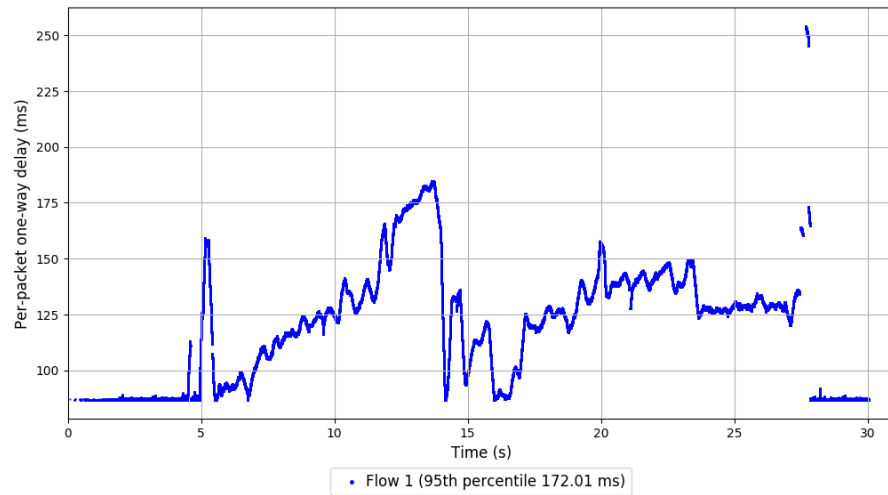
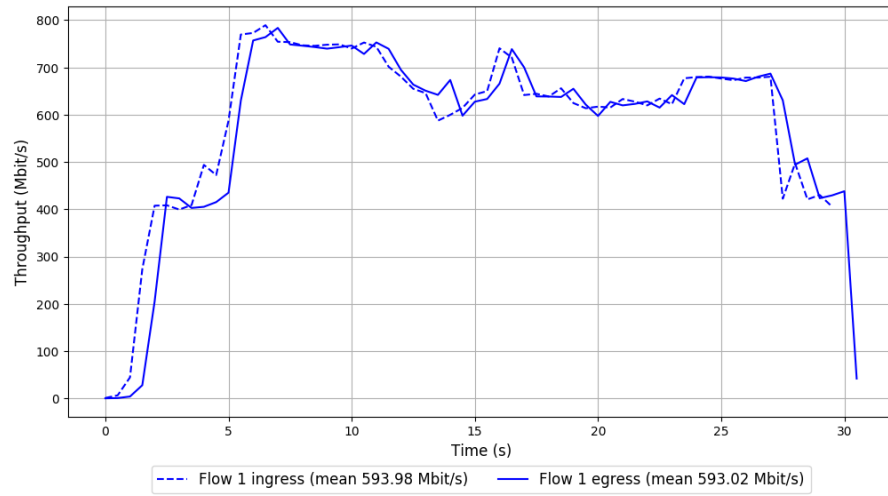


Run 1: Statistics of TCP Cubic

Start at: 2019-01-24 13:04:34
End at: 2019-01-24 13:05:04
Local clock offset: 5.847 ms
Remote clock offset: 12.946 ms

Below is generated by plot.py at 2019-01-24 16:19:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 593.02 Mbit/s
95th percentile per-packet one-way delay: 172.008 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 593.02 Mbit/s
95th percentile per-packet one-way delay: 172.008 ms
Loss rate: 0.16%

Run 1: Report of TCP Cubic — Data Link

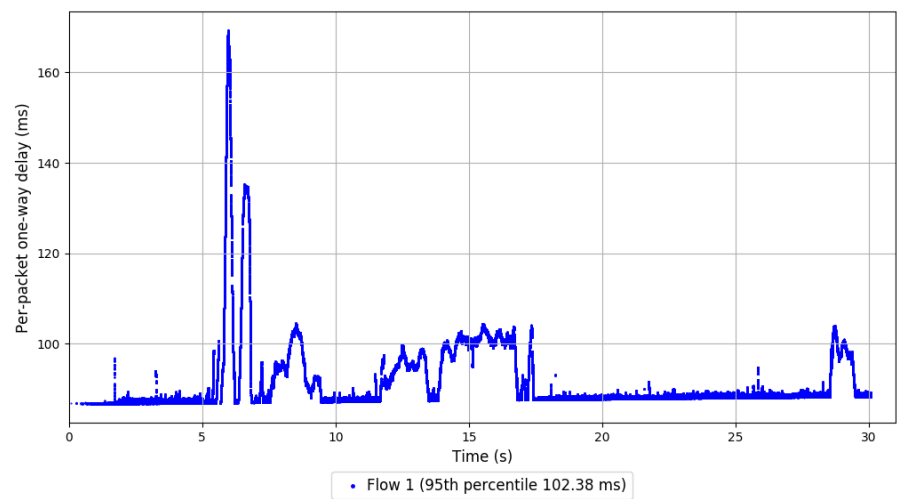
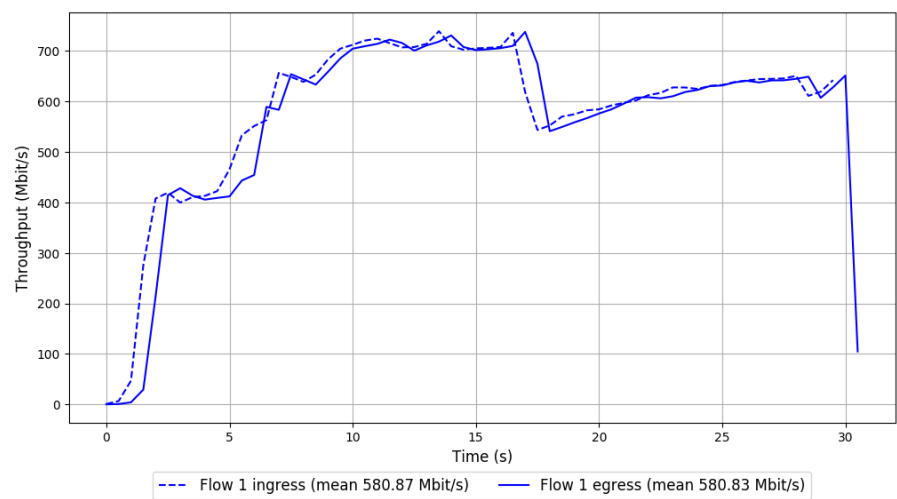


Run 2: Statistics of TCP Cubic

Start at: 2019-01-24 13:36:47
End at: 2019-01-24 13:37:17
Local clock offset: 22.291 ms
Remote clock offset: 33.801 ms

Below is generated by plot.py at 2019-01-24 16:19:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 580.83 Mbit/s
95th percentile per-packet one-way delay: 102.379 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 580.83 Mbit/s
95th percentile per-packet one-way delay: 102.379 ms
Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link

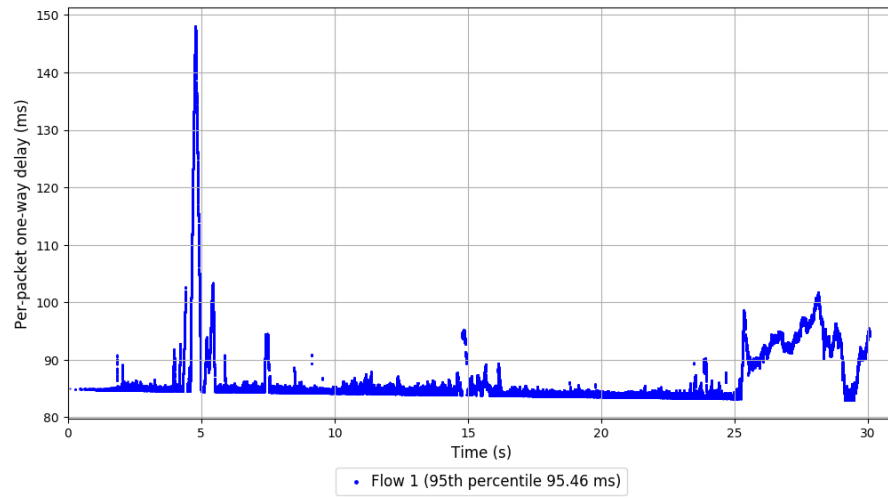
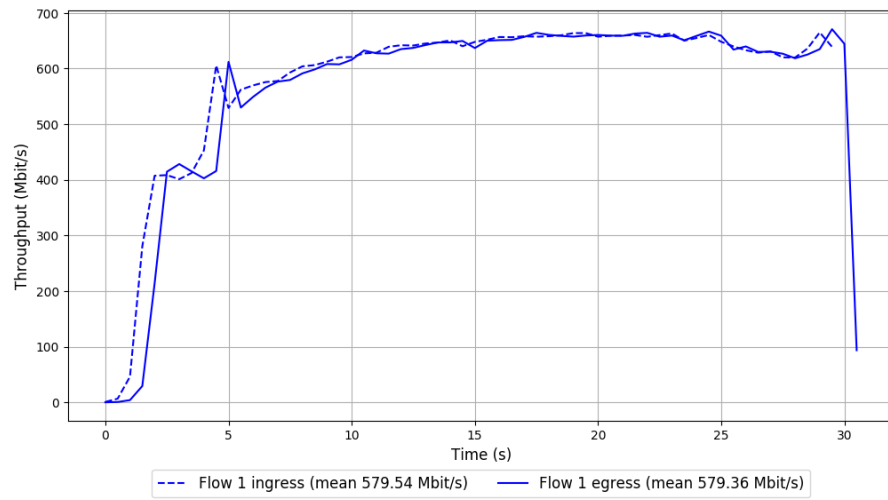


Run 3: Statistics of TCP Cubic

Start at: 2019-01-24 14:09:37
End at: 2019-01-24 14:10:07
Local clock offset: 32.792 ms
Remote clock offset: 26.591 ms

Below is generated by plot.py at 2019-01-24 16:19:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 579.36 Mbit/s
95th percentile per-packet one-way delay: 95.456 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 579.36 Mbit/s
95th percentile per-packet one-way delay: 95.456 ms
Loss rate: 0.04%

Run 3: Report of TCP Cubic — Data Link

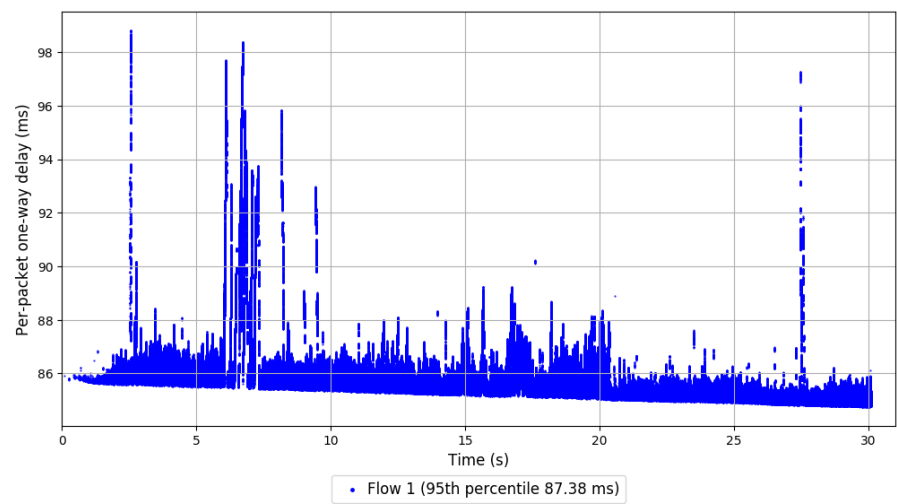
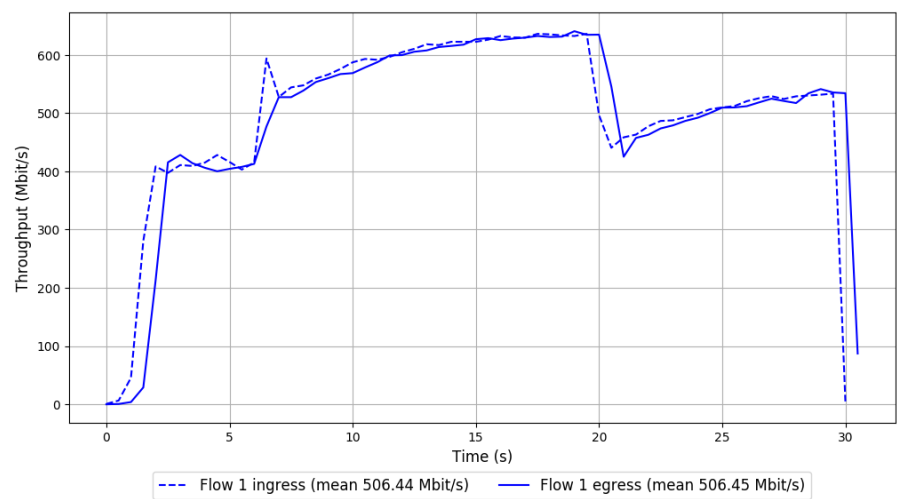


Run 4: Statistics of TCP Cubic

Start at: 2019-01-24 14:43:20
End at: 2019-01-24 14:43:50
Local clock offset: 16.878 ms
Remote clock offset: 16.178 ms

Below is generated by plot.py at 2019-01-24 16:19:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 506.45 Mbit/s
95th percentile per-packet one-way delay: 87.380 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 506.45 Mbit/s
95th percentile per-packet one-way delay: 87.380 ms
Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2019-01-24 15:15:49

End at: 2019-01-24 15:16:19

Local clock offset: 4.62 ms

Remote clock offset: 5.367 ms

Below is generated by plot.py at 2019-01-24 16:20:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 560.91 Mbit/s

95th percentile per-packet one-way delay: 121.524 ms

Loss rate: 0.00%

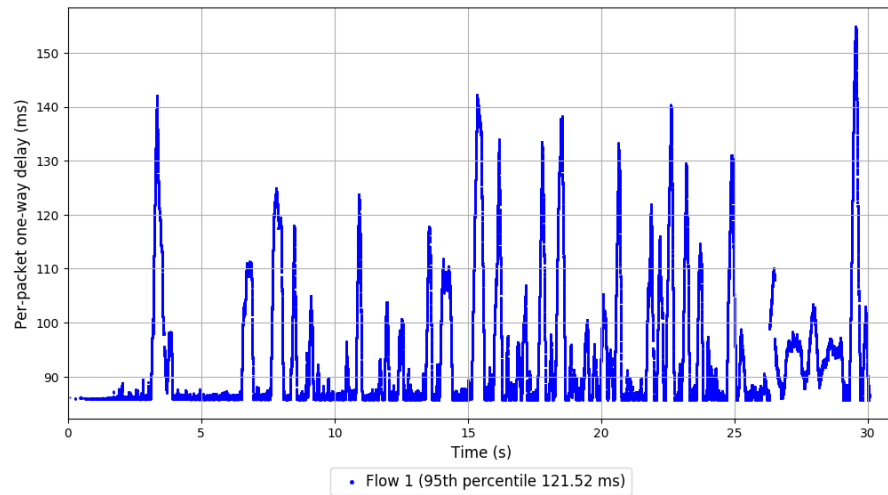
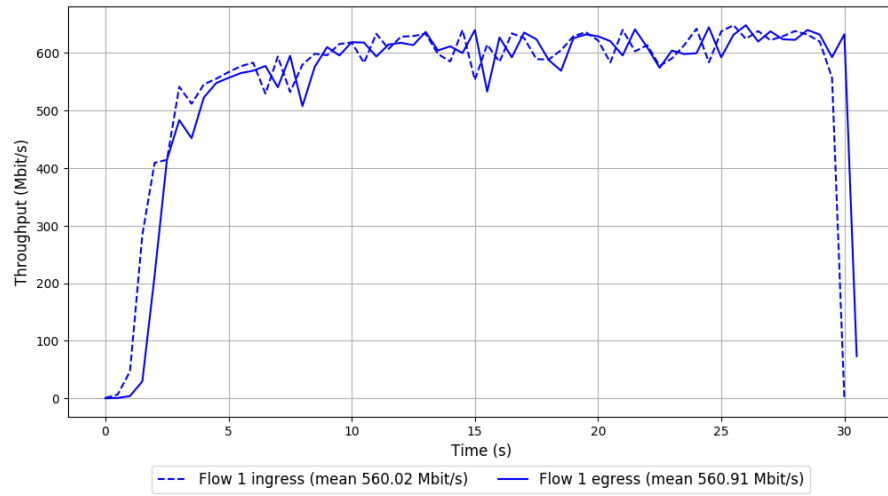
-- Flow 1:

Average throughput: 560.91 Mbit/s

95th percentile per-packet one-way delay: 121.524 ms

Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link

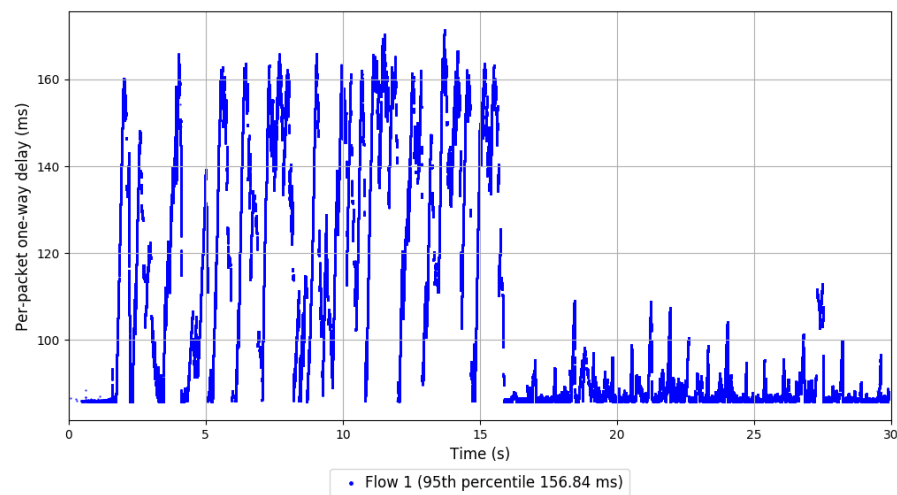
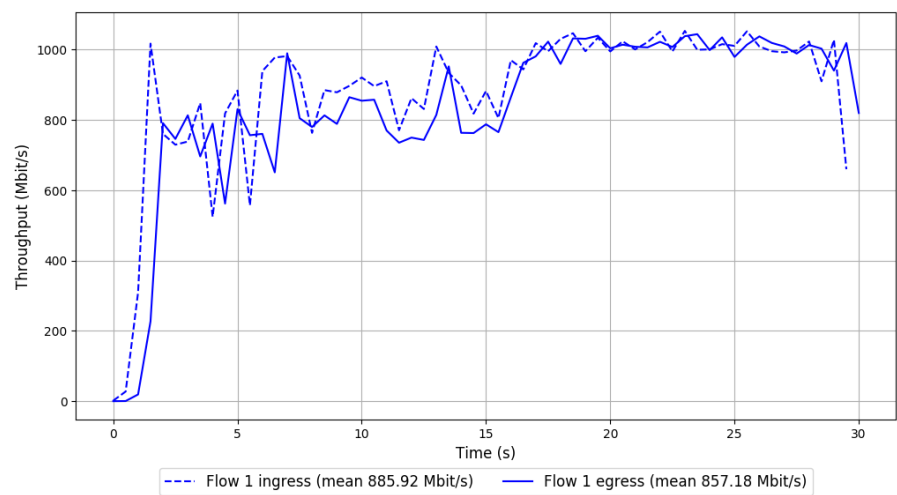


Run 1: Statistics of FillP

Start at: 2019-01-24 13:20:40
End at: 2019-01-24 13:21:10
Local clock offset: 13.322 ms
Remote clock offset: 28.865 ms

Below is generated by plot.py at 2019-01-24 16:27:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 857.18 Mbit/s
95th percentile per-packet one-way delay: 156.840 ms
Loss rate: 3.24%
-- Flow 1:
Average throughput: 857.18 Mbit/s
95th percentile per-packet one-way delay: 156.840 ms
Loss rate: 3.24%

Run 1: Report of FillP — Data Link

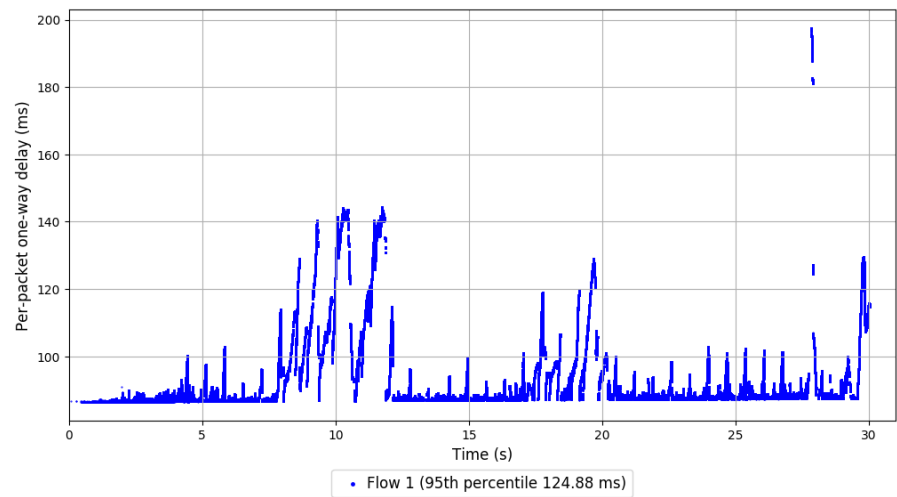
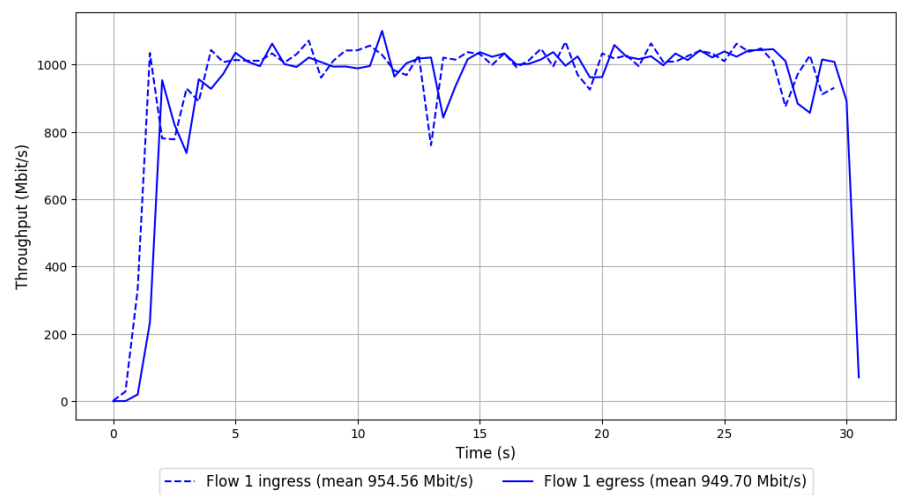


Run 2: Statistics of FillP

Start at: 2019-01-24 13:52:46
End at: 2019-01-24 13:53:16
Local clock offset: 24.978 ms
Remote clock offset: 25.748 ms

Below is generated by plot.py at 2019-01-24 16:40:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 949.70 Mbit/s
95th percentile per-packet one-way delay: 124.879 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 949.70 Mbit/s
95th percentile per-packet one-way delay: 124.879 ms
Loss rate: 0.50%

Run 2: Report of FillP — Data Link

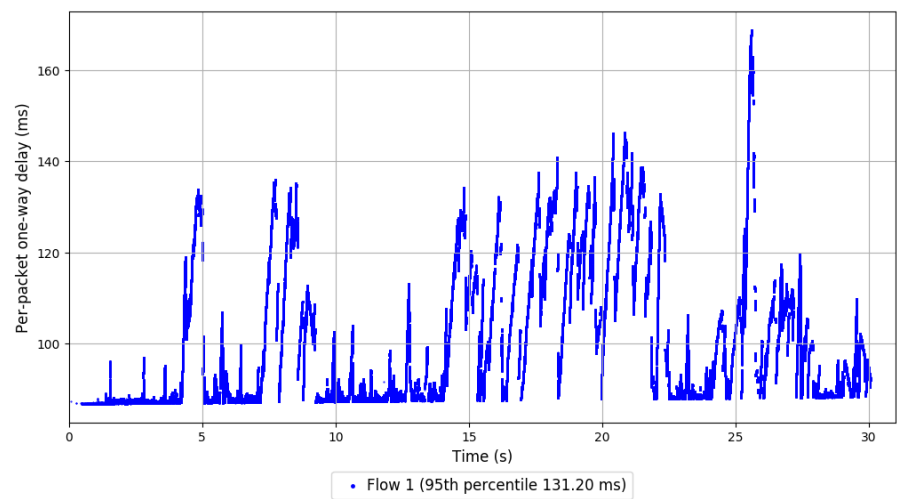
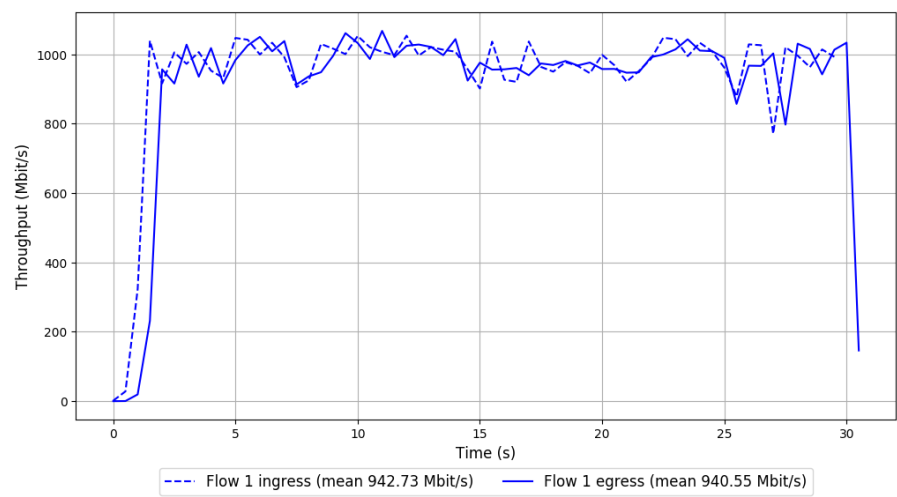


Run 3: Statistics of FillP

Start at: 2019-01-24 14:27:11
End at: 2019-01-24 14:27:41
Local clock offset: 15.105 ms
Remote clock offset: 33.936 ms

Below is generated by plot.py at 2019-01-24 16:40:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 940.55 Mbit/s
95th percentile per-packet one-way delay: 131.202 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 940.55 Mbit/s
95th percentile per-packet one-way delay: 131.202 ms
Loss rate: 0.23%

Run 3: Report of FillP — Data Link

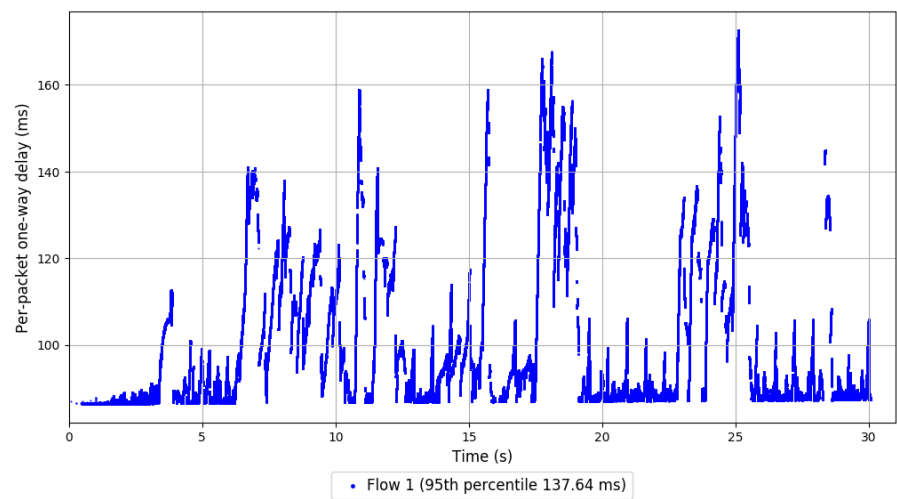
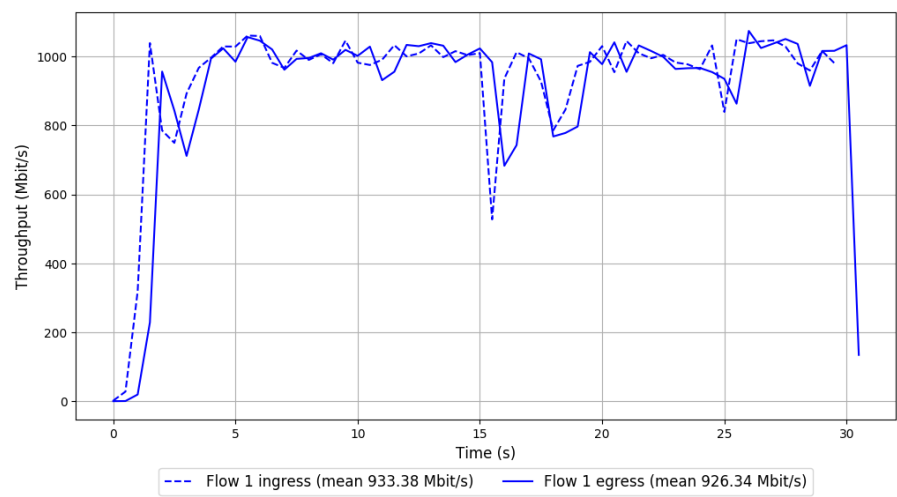


Run 4: Statistics of FillP

Start at: 2019-01-24 14:59:31
End at: 2019-01-24 15:00:01
Local clock offset: 4.905 ms
Remote clock offset: 20.969 ms

Below is generated by plot.py at 2019-01-24 16:40:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 926.34 Mbit/s
95th percentile per-packet one-way delay: 137.642 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 926.34 Mbit/s
95th percentile per-packet one-way delay: 137.642 ms
Loss rate: 0.75%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2019-01-24 15:31:54

End at: 2019-01-24 15:32:24

Local clock offset: 1.4 ms

Remote clock offset: 4.86 ms

Below is generated by plot.py at 2019-01-24 16:40:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 937.83 Mbit/s

95th percentile per-packet one-way delay: 132.295 ms

Loss rate: 0.39%

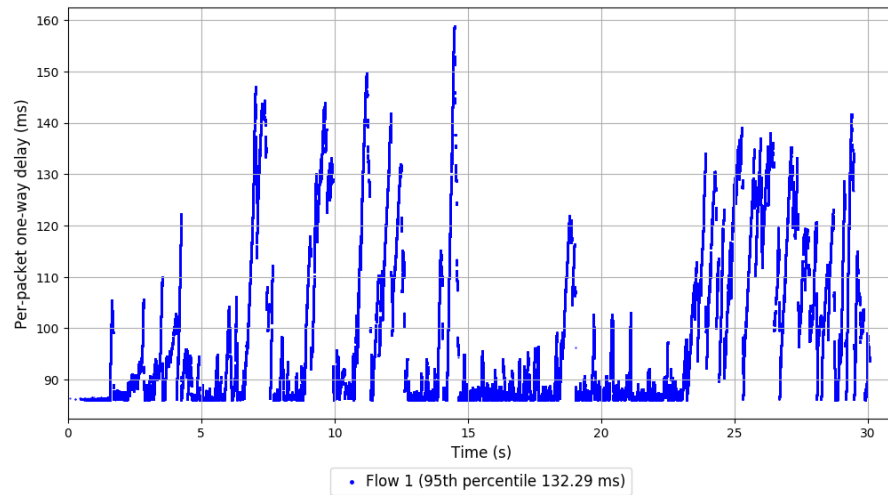
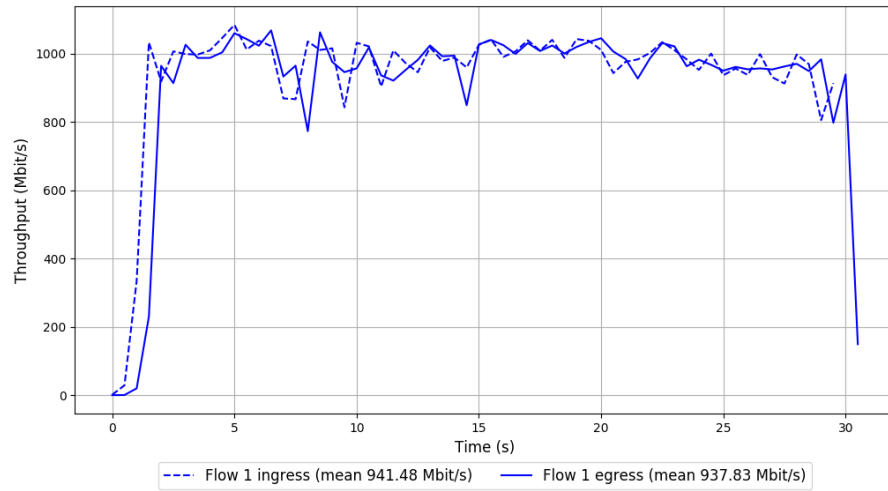
-- Flow 1:

Average throughput: 937.83 Mbit/s

95th percentile per-packet one-way delay: 132.295 ms

Loss rate: 0.39%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-01-24 13:01:12

End at: 2019-01-24 13:01:43

Local clock offset: 3.358 ms

Remote clock offset: 6.277 ms

Below is generated by plot.py at 2019-01-24 16:40:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 957.54 Mbit/s

95th percentile per-packet one-way delay: 97.083 ms

Loss rate: 0.01%

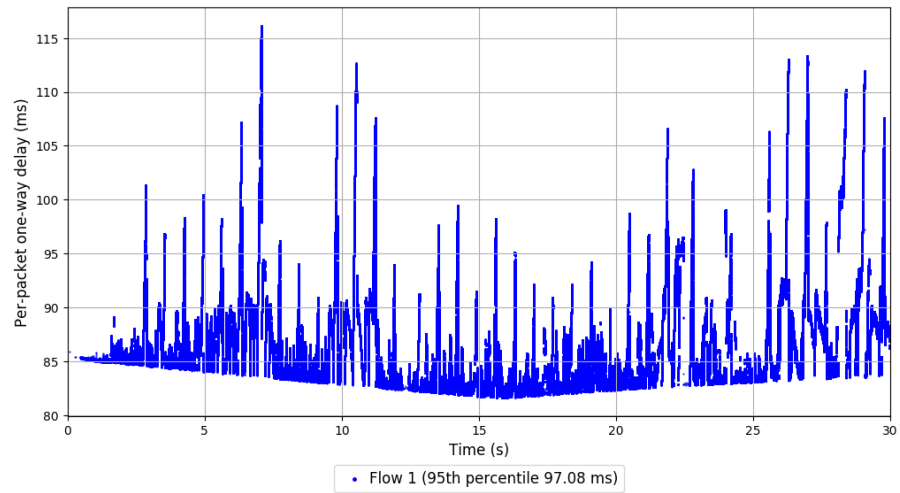
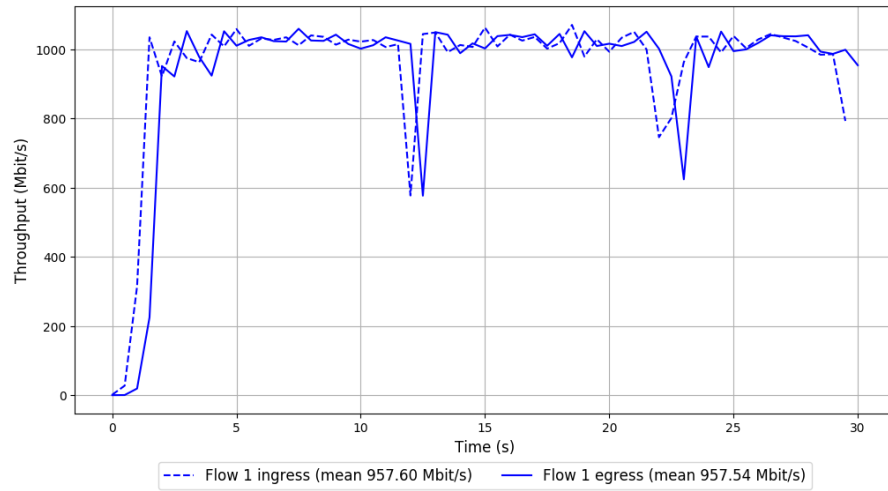
-- Flow 1:

Average throughput: 957.54 Mbit/s

95th percentile per-packet one-way delay: 97.083 ms

Loss rate: 0.01%

Run 1: Report of FillP-Sheep — Data Link

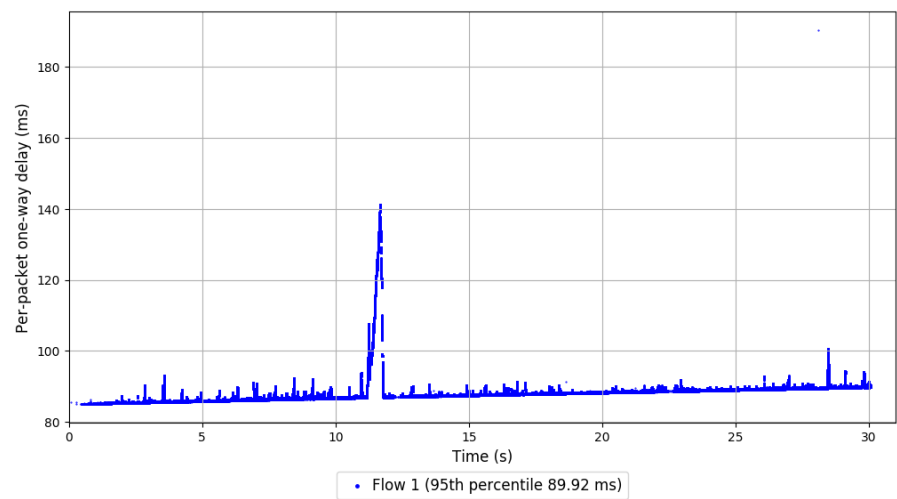
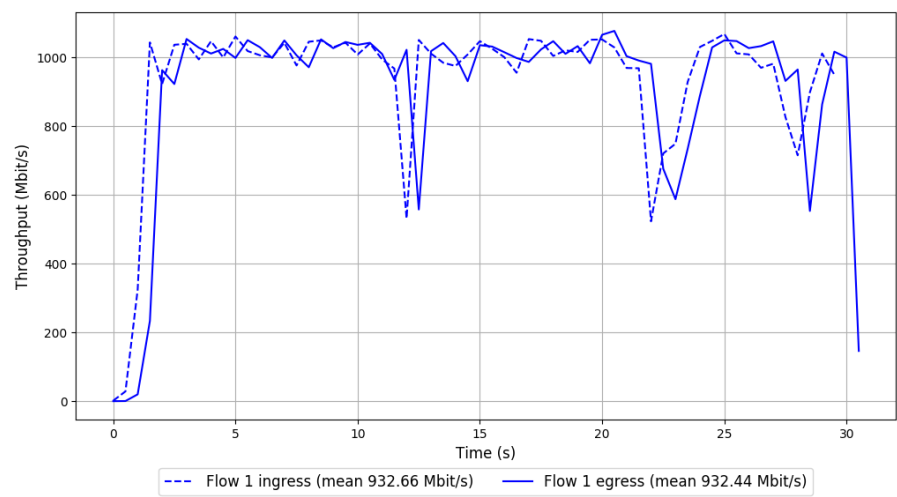


Run 2: Statistics of FillP-Sheep

Start at: 2019-01-24 13:33:30
End at: 2019-01-24 13:34:00
Local clock offset: 26.586 ms
Remote clock offset: 57.701 ms

Below is generated by plot.py at 2019-01-24 16:41:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 932.44 Mbit/s
95th percentile per-packet one-way delay: 89.917 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 932.44 Mbit/s
95th percentile per-packet one-way delay: 89.917 ms
Loss rate: 0.01%

Run 2: Report of FillP-Sheep — Data Link

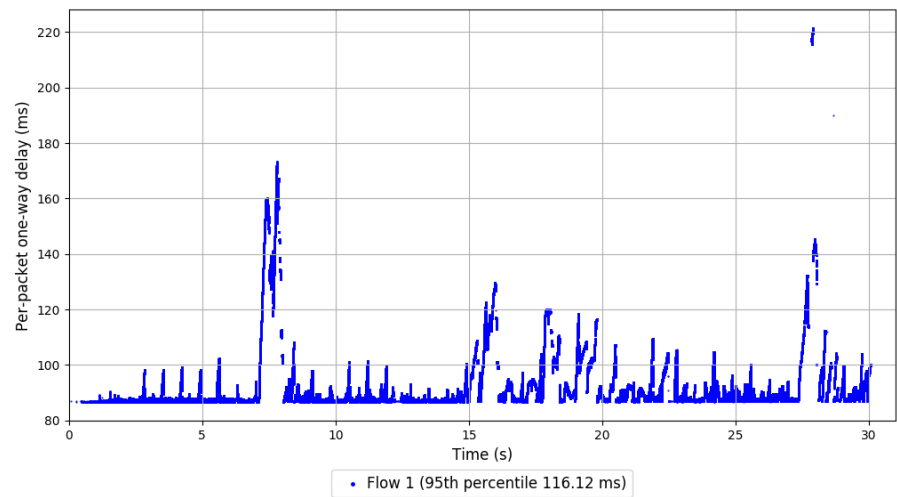
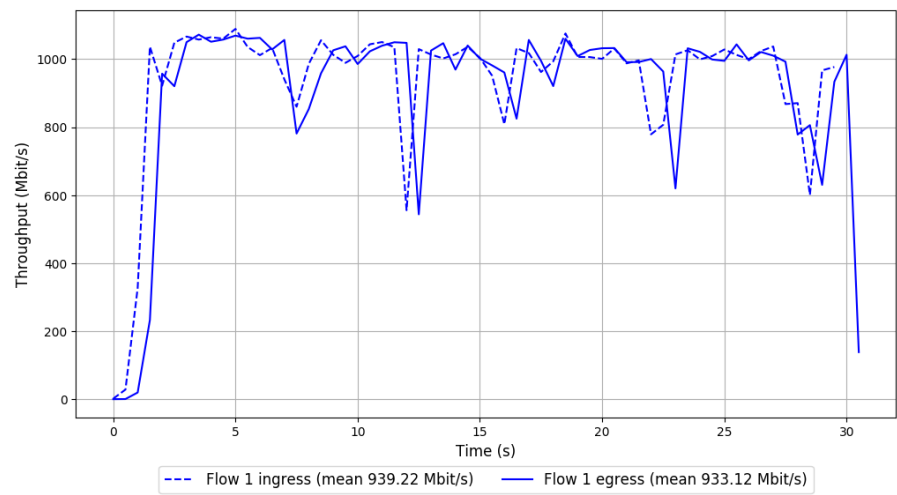


Run 3: Statistics of FillP-Sheep

Start at: 2019-01-24 14:06:10
End at: 2019-01-24 14:06:40
Local clock offset: 38.181 ms
Remote clock offset: 24.045 ms

Below is generated by plot.py at 2019-01-24 16:41:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 933.12 Mbit/s
95th percentile per-packet one-way delay: 116.121 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 933.12 Mbit/s
95th percentile per-packet one-way delay: 116.121 ms
Loss rate: 0.65%

Run 3: Report of FillP-Sheep — Data Link

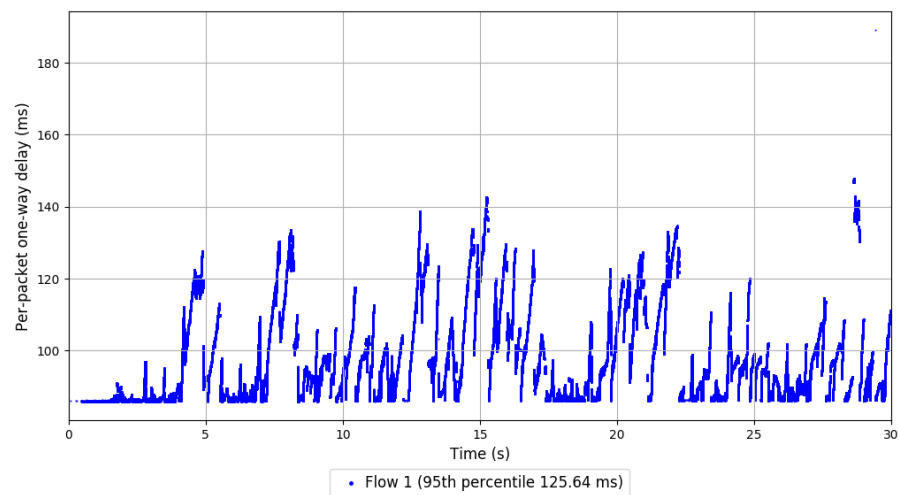
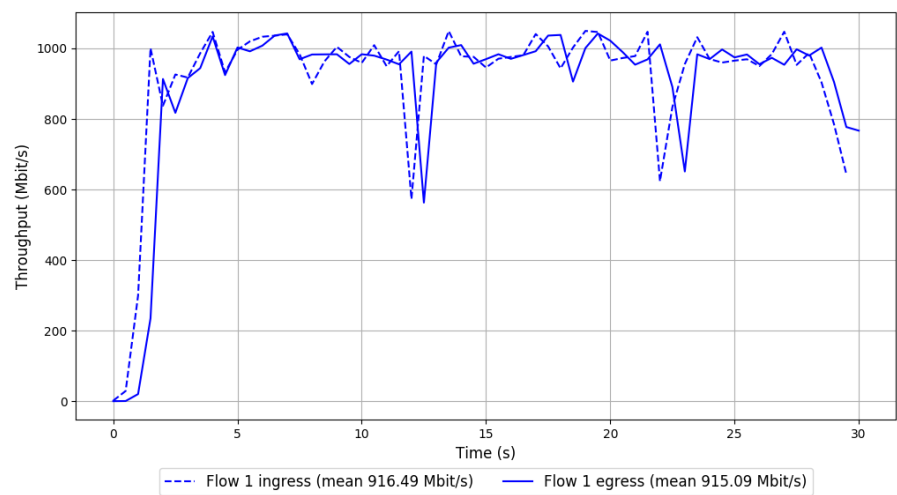


Run 4: Statistics of FillP-Sheep

Start at: 2019-01-24 14:40:04
End at: 2019-01-24 14:40:34
Local clock offset: 19.479 ms
Remote clock offset: 16.407 ms

Below is generated by plot.py at 2019-01-24 16:50:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 915.09 Mbit/s
95th percentile per-packet one-way delay: 125.645 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 915.09 Mbit/s
95th percentile per-packet one-way delay: 125.645 ms
Loss rate: 0.15%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-01-24 15:12:28

End at: 2019-01-24 15:12:58

Local clock offset: 3.714 ms

Remote clock offset: 6.147 ms

Below is generated by plot.py at 2019-01-24 17:01:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 893.34 Mbit/s

95th percentile per-packet one-way delay: 139.356 ms

Loss rate: 0.75%

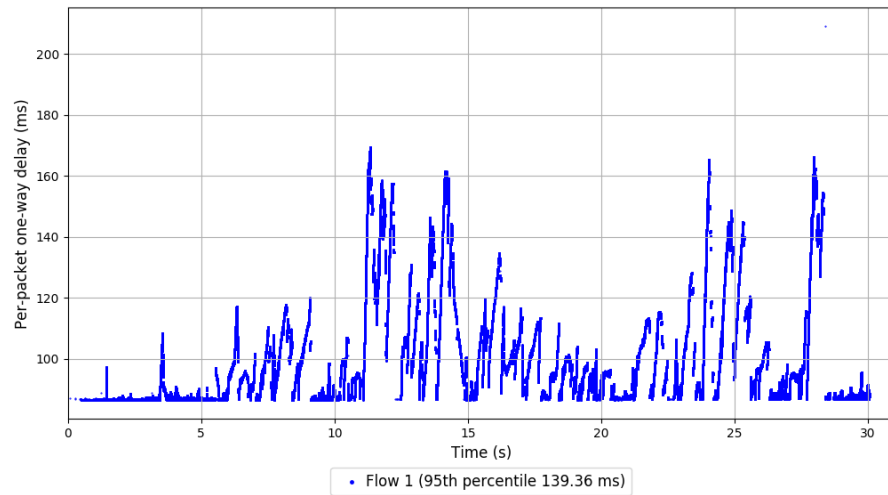
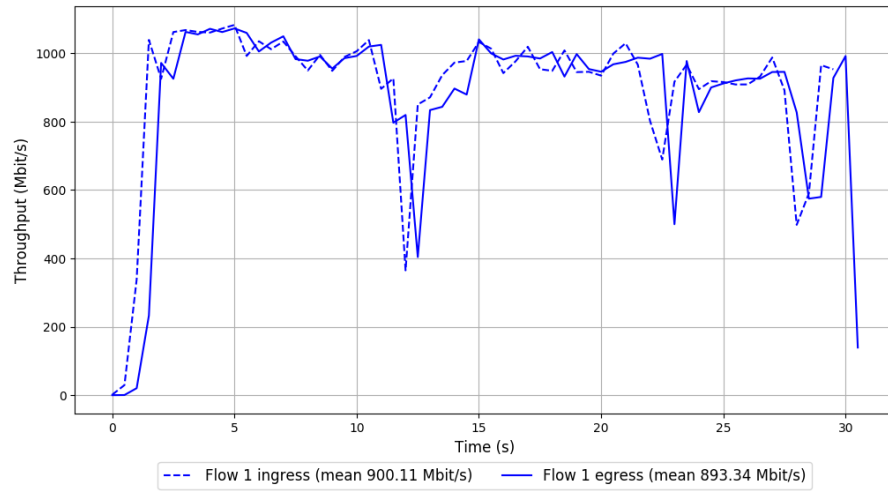
-- Flow 1:

Average throughput: 893.34 Mbit/s

95th percentile per-packet one-way delay: 139.356 ms

Loss rate: 0.75%

Run 5: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2019-01-24 13:09:33

End at: 2019-01-24 13:10:03

Local clock offset: 9.169 ms

Remote clock offset: 19.708 ms

Below is generated by plot.py at 2019-01-24 17:01:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 129.84 Mbit/s

95th percentile per-packet one-way delay: 86.376 ms

Loss rate: 0.00%

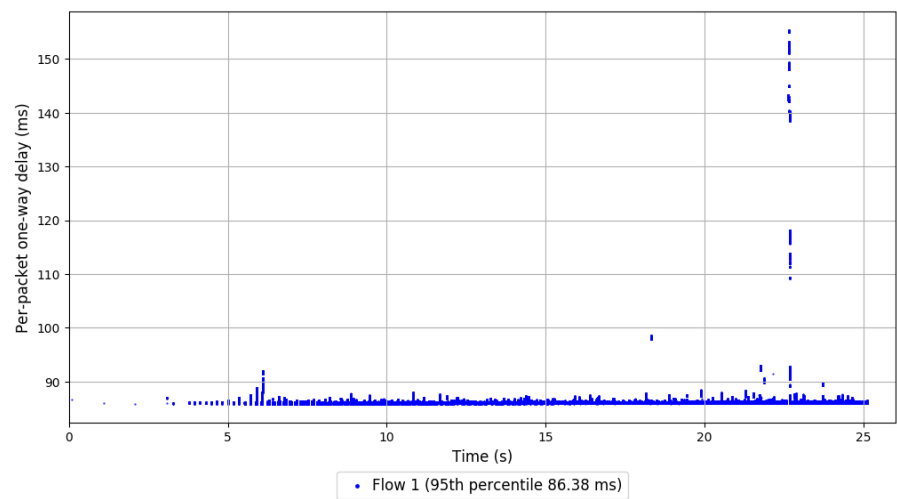
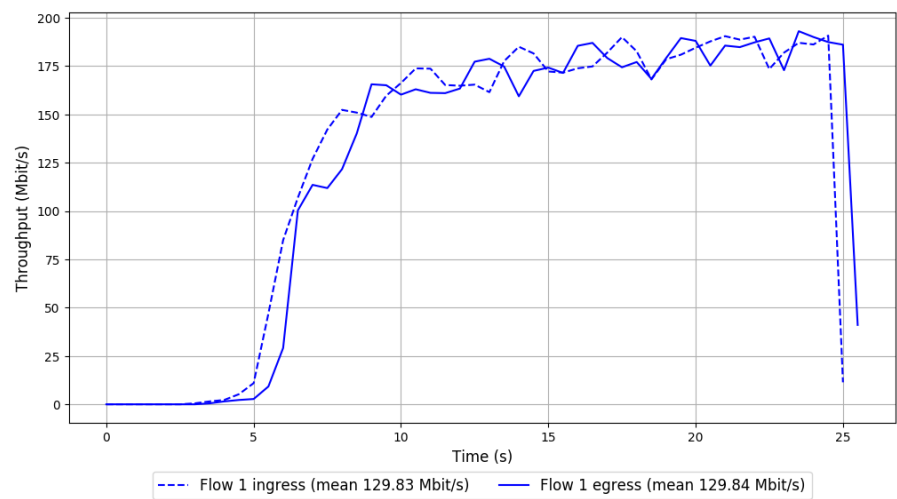
-- Flow 1:

Average throughput: 129.84 Mbit/s

95th percentile per-packet one-way delay: 86.376 ms

Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

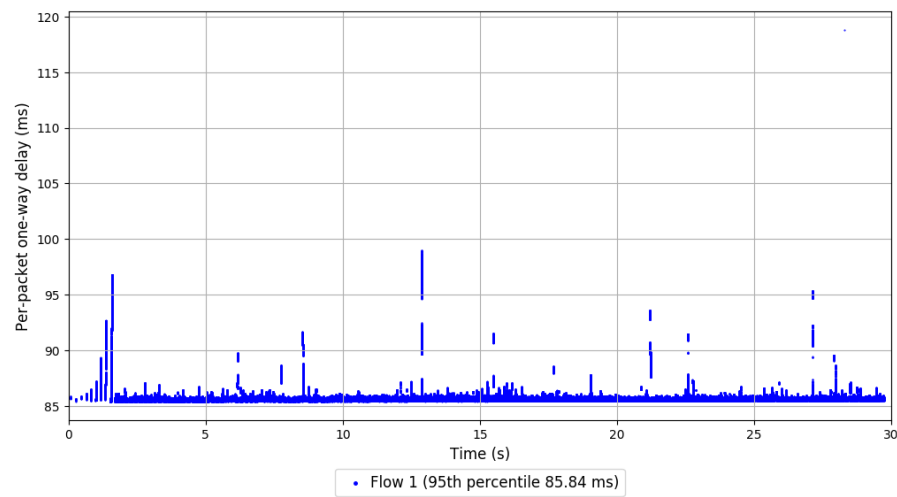
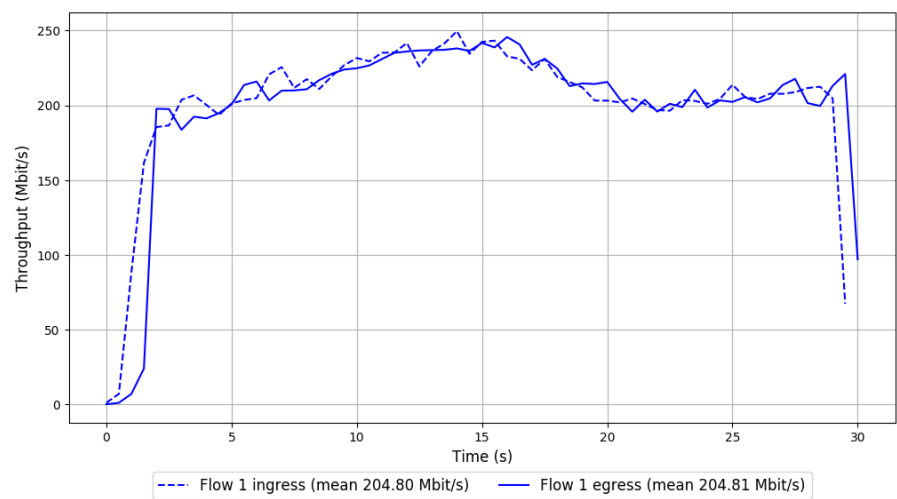


Run 2: Statistics of Indigo

Start at: 2019-01-24 13:41:49
End at: 2019-01-24 13:42:19
Local clock offset: 20.115 ms
Remote clock offset: 22.186 ms

Below is generated by plot.py at 2019-01-24 17:01:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 204.81 Mbit/s
95th percentile per-packet one-way delay: 85.837 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 204.81 Mbit/s
95th percentile per-packet one-way delay: 85.837 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

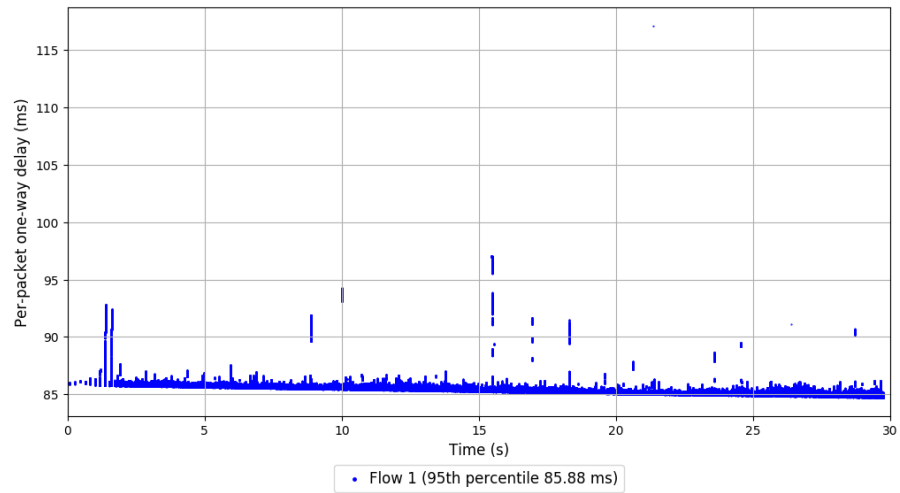
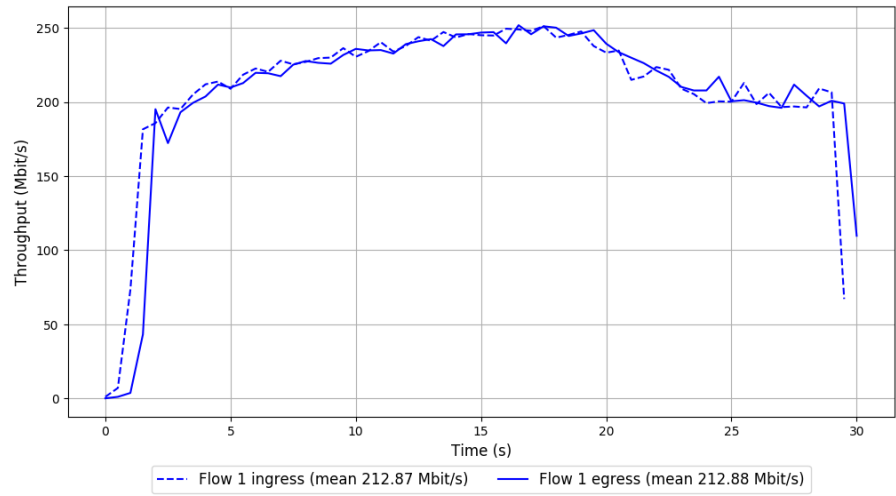


Run 3: Statistics of Indigo

Start at: 2019-01-24 14:15:27
End at: 2019-01-24 14:15:57
Local clock offset: 20.656 ms
Remote clock offset: 32.288 ms

Below is generated by plot.py at 2019-01-24 17:01:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 212.88 Mbit/s
95th percentile per-packet one-way delay: 85.882 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 212.88 Mbit/s
95th percentile per-packet one-way delay: 85.882 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

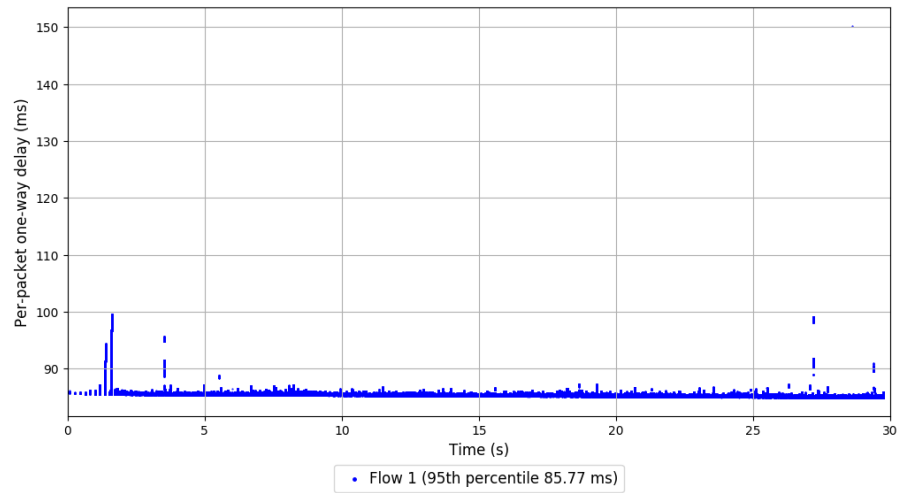
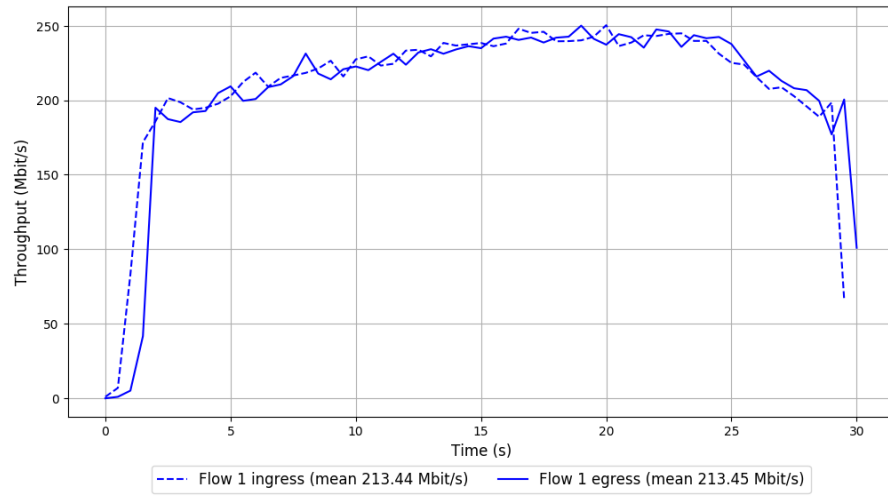


Run 4: Statistics of Indigo

Start at: 2019-01-24 14:48:18
End at: 2019-01-24 14:48:48
Local clock offset: 10.55 ms
Remote clock offset: 17.222 ms

Below is generated by plot.py at 2019-01-24 17:01:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 213.45 Mbit/s
95th percentile per-packet one-way delay: 85.766 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 213.45 Mbit/s
95th percentile per-packet one-way delay: 85.766 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-01-24 15:20:48

End at: 2019-01-24 15:21:18

Local clock offset: 2.924 ms

Remote clock offset: 4.505 ms

Below is generated by plot.py at 2019-01-24 17:01:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 212.50 Mbit/s

95th percentile per-packet one-way delay: 86.001 ms

Loss rate: 0.00%

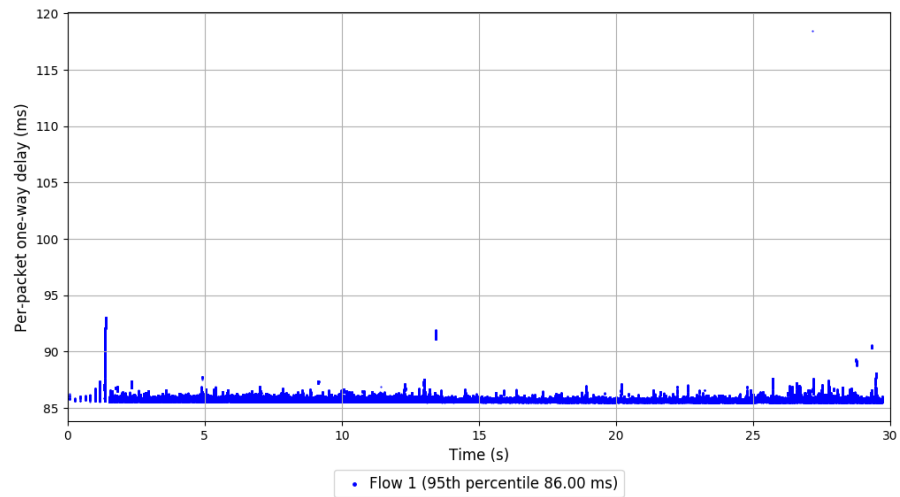
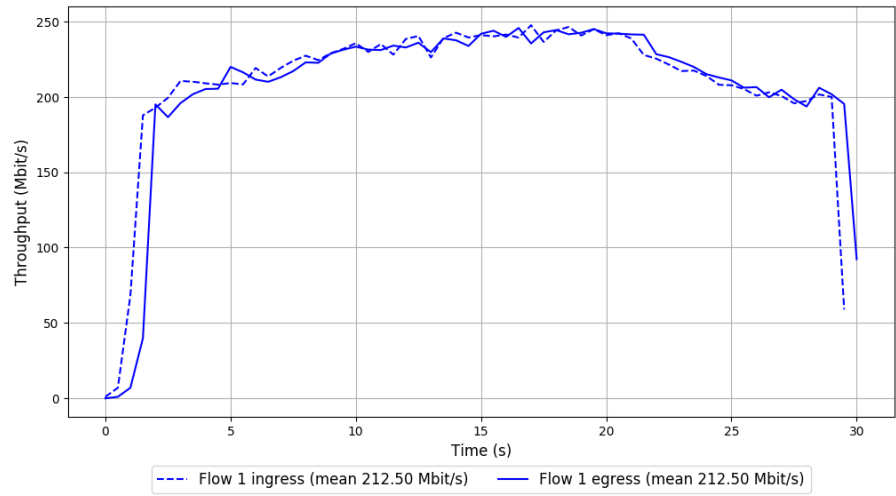
-- Flow 1:

Average throughput: 212.50 Mbit/s

95th percentile per-packet one-way delay: 86.001 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

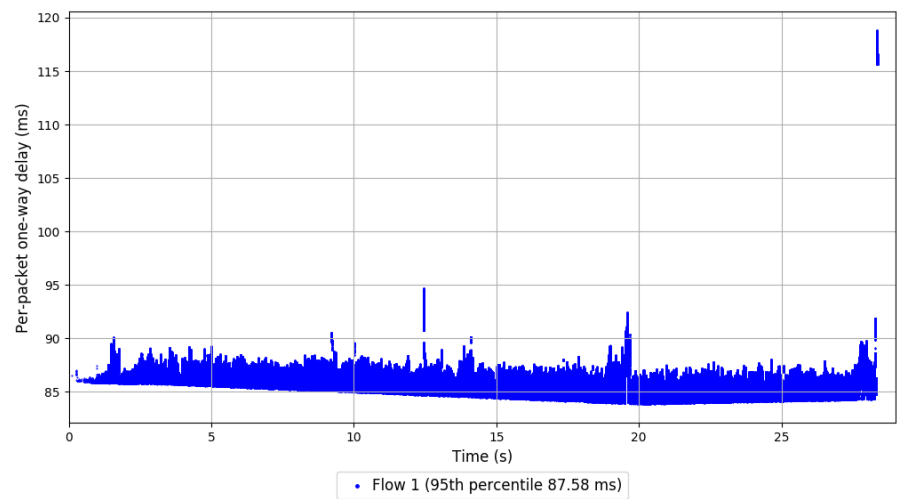
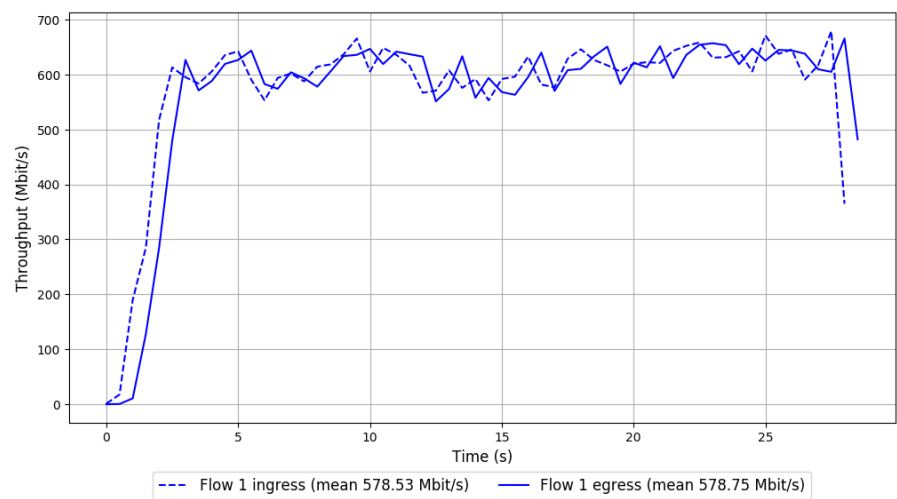


Run 1: Statistics of Indigo-MusesC3

Start at: 2019-01-24 13:16:04
End at: 2019-01-24 13:16:34
Local clock offset: 17.376 ms
Remote clock offset: 36.827 ms

Below is generated by plot.py at 2019-01-24 17:01:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 578.75 Mbit/s
95th percentile per-packet one-way delay: 87.582 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 578.75 Mbit/s
95th percentile per-packet one-way delay: 87.582 ms
Loss rate: 0.00%

Run 1: Report of Indigo-MusesC3 — Data Link

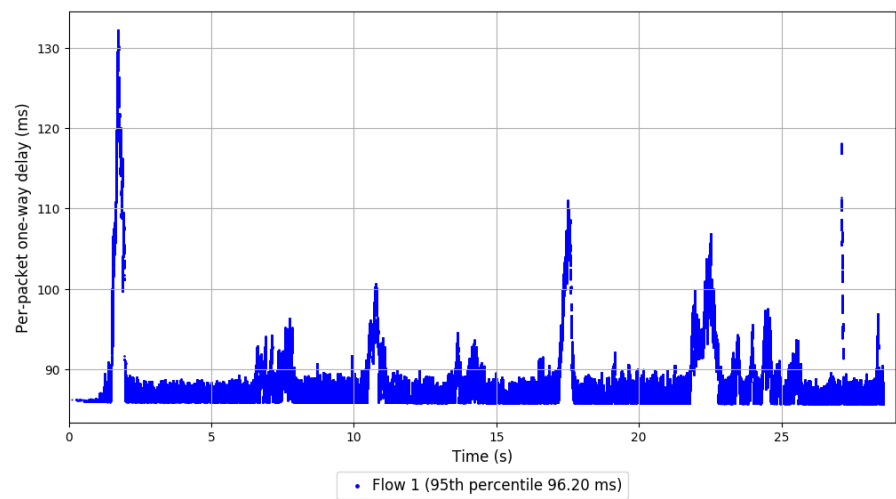
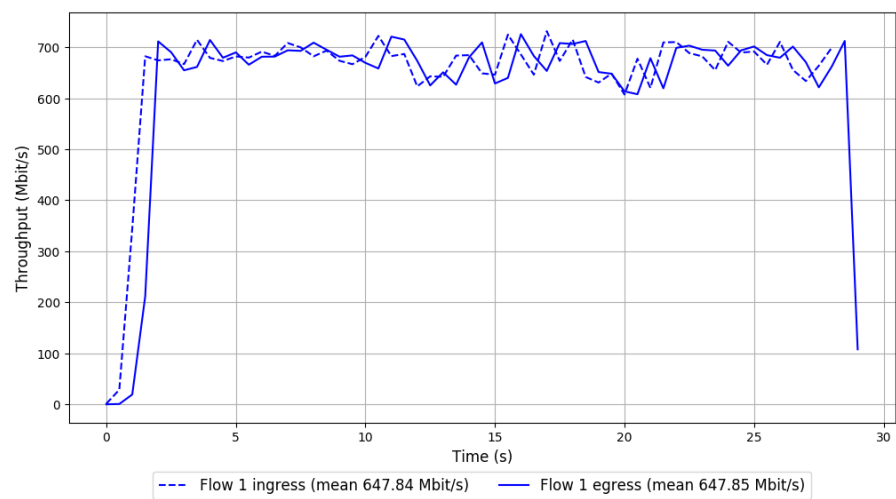


Run 2: Statistics of Indigo-MusesC3

Start at: 2019-01-24 13:48:17
End at: 2019-01-24 13:48:47
Local clock offset: 21.724 ms
Remote clock offset: 26.367 ms

Below is generated by plot.py at 2019-01-24 17:01:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 647.85 Mbit/s
95th percentile per-packet one-way delay: 96.202 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 647.85 Mbit/s
95th percentile per-packet one-way delay: 96.202 ms
Loss rate: 0.00%

Run 2: Report of Indigo-MusesC3 — Data Link



Run 3: Statistics of Indigo-MusesC3

Start at: 2019-01-24 14:22:45

End at: 2019-01-24 14:23:15

Local clock offset: 15.533 ms

Remote clock offset: 40.33 ms

Below is generated by plot.py at 2019-01-24 17:01:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 587.39 Mbit/s

95th percentile per-packet one-way delay: 89.118 ms

Loss rate: 0.01%

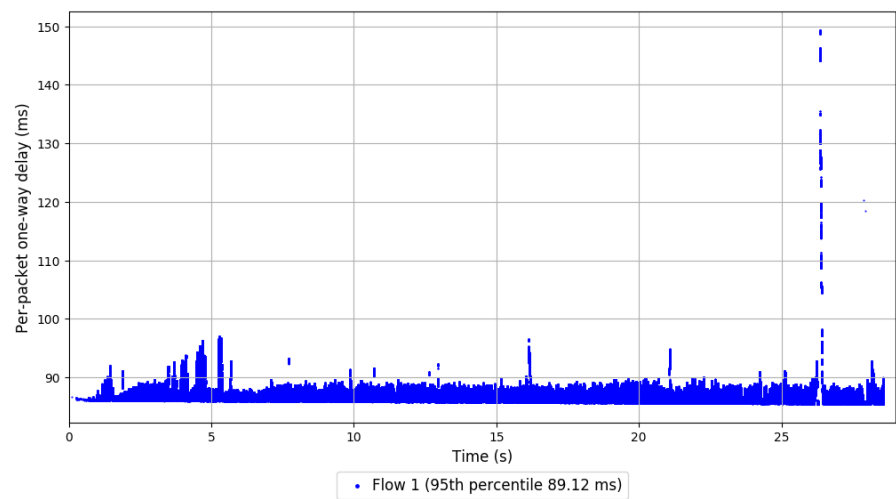
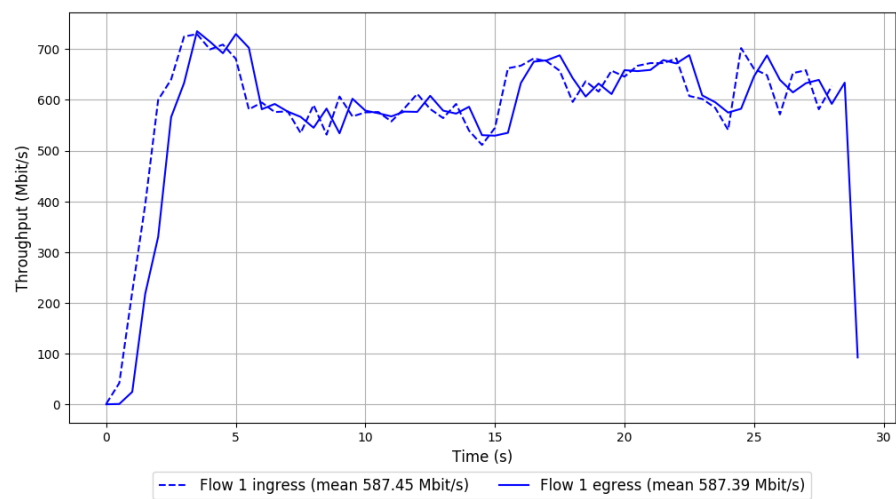
-- Flow 1:

Average throughput: 587.39 Mbit/s

95th percentile per-packet one-way delay: 89.118 ms

Loss rate: 0.01%

Run 3: Report of Indigo-MusesC3 — Data Link

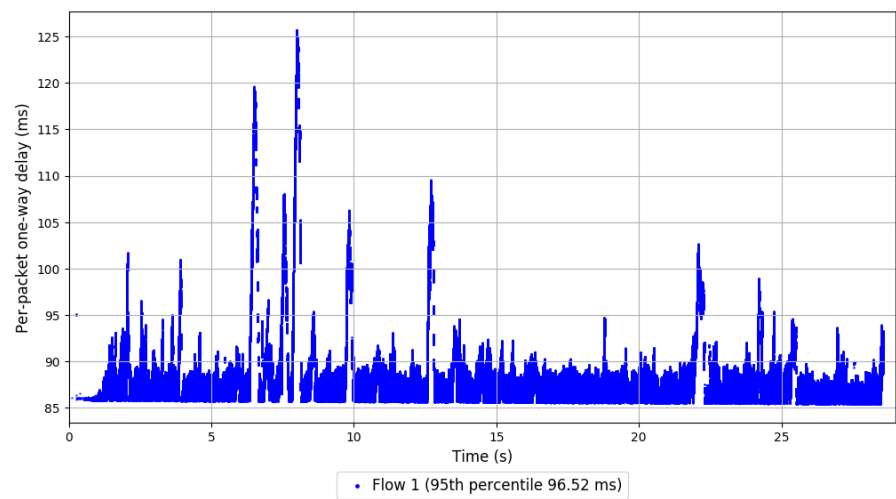
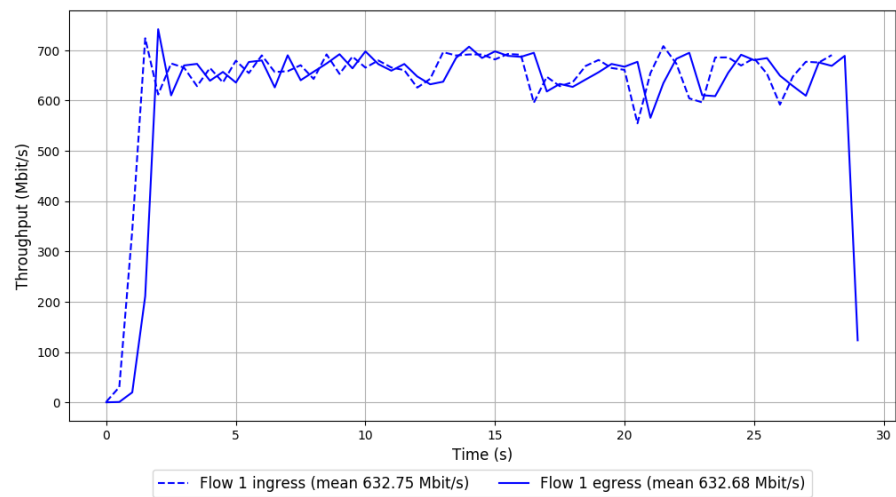


Run 4: Statistics of Indigo-MusesC3

Start at: 2019-01-24 14:54:58
End at: 2019-01-24 14:55:28
Local clock offset: 5.972 ms
Remote clock offset: 19.719 ms

Below is generated by plot.py at 2019-01-24 17:01:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 632.68 Mbit/s
95th percentile per-packet one-way delay: 96.523 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 632.68 Mbit/s
95th percentile per-packet one-way delay: 96.523 ms
Loss rate: 0.01%

Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2019-01-24 15:27:29

End at: 2019-01-24 15:27:59

Local clock offset: 1.486 ms

Remote clock offset: 4.612 ms

Below is generated by plot.py at 2019-01-24 17:01:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 606.05 Mbit/s

95th percentile per-packet one-way delay: 96.892 ms

Loss rate: 0.01%

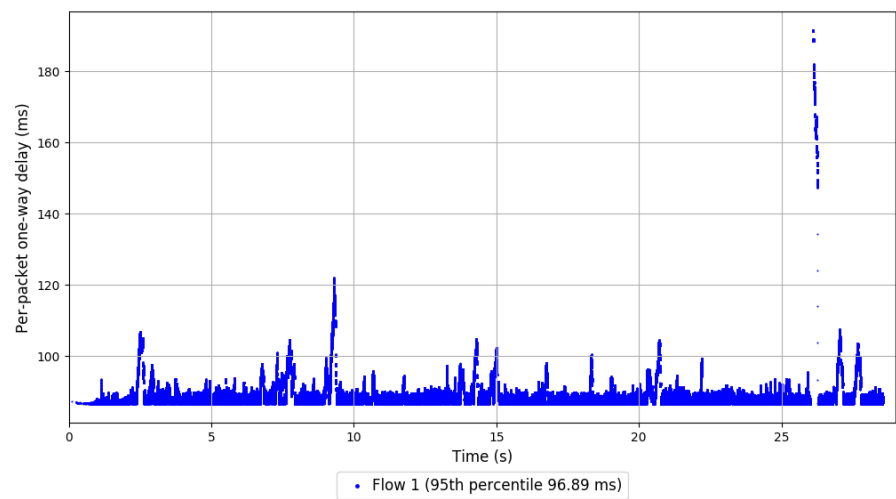
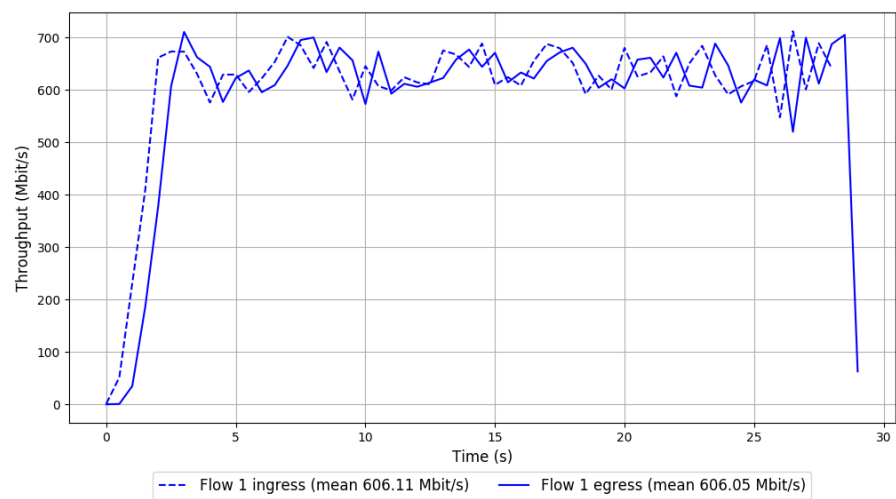
-- Flow 1:

Average throughput: 606.05 Mbit/s

95th percentile per-packet one-way delay: 96.892 ms

Loss rate: 0.01%

Run 5: Report of Indigo-MusesC3 — Data Link

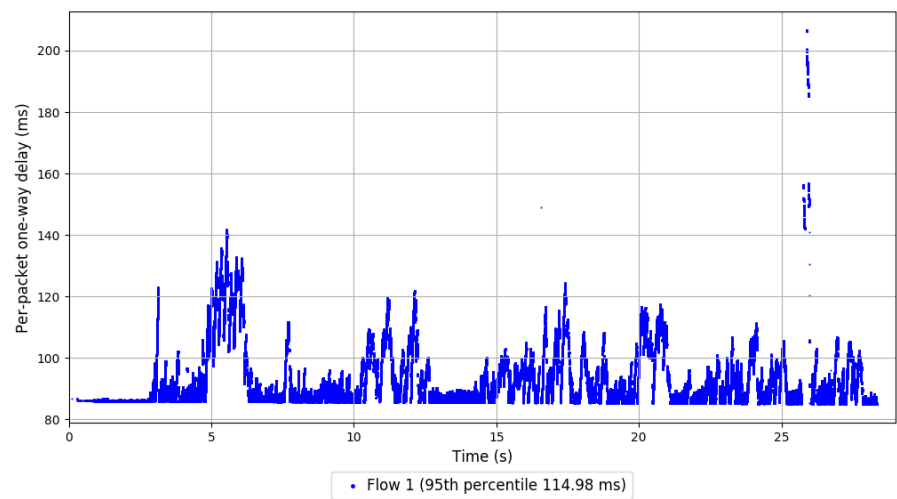
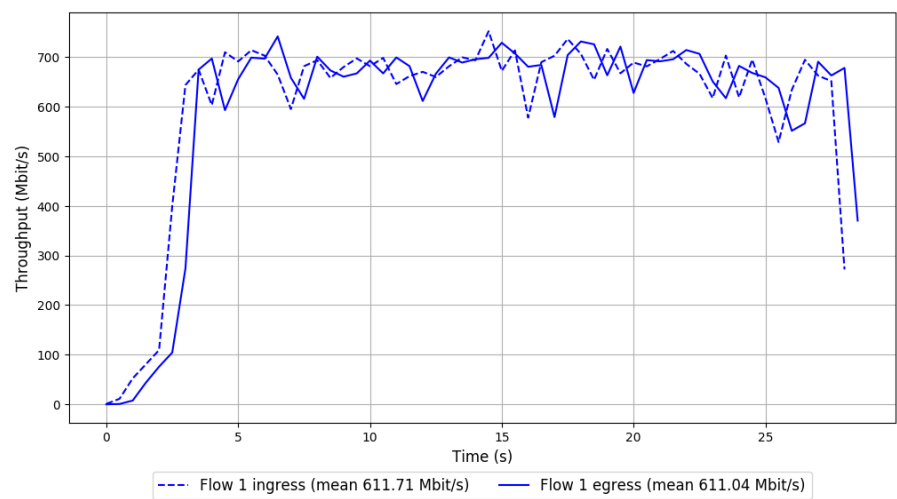


Run 1: Statistics of Indigo-MusesC5

Start at: 2019-01-24 13:14:11
End at: 2019-01-24 13:14:41
Local clock offset: 13.611 ms
Remote clock offset: 29.638 ms

Below is generated by plot.py at 2019-01-24 17:01:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 611.04 Mbit/s
95th percentile per-packet one-way delay: 114.980 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 611.04 Mbit/s
95th percentile per-packet one-way delay: 114.980 ms
Loss rate: 0.12%

Run 1: Report of Indigo-MusesC5 — Data Link

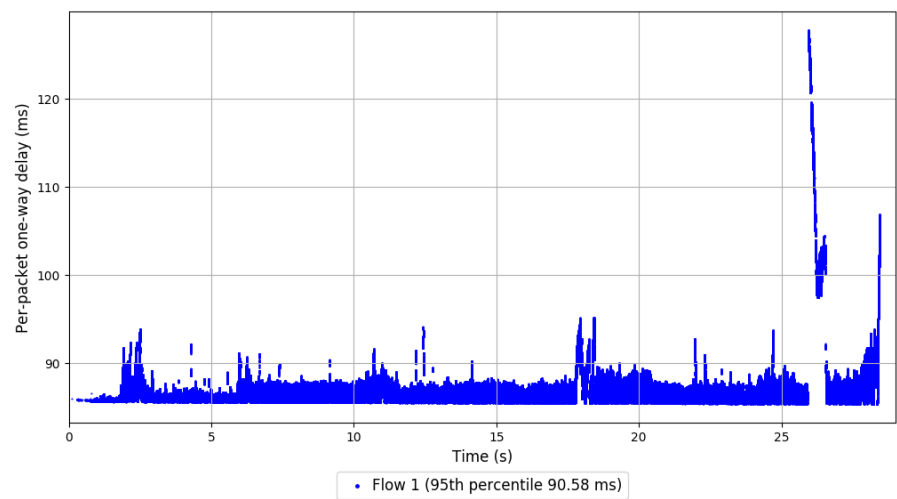
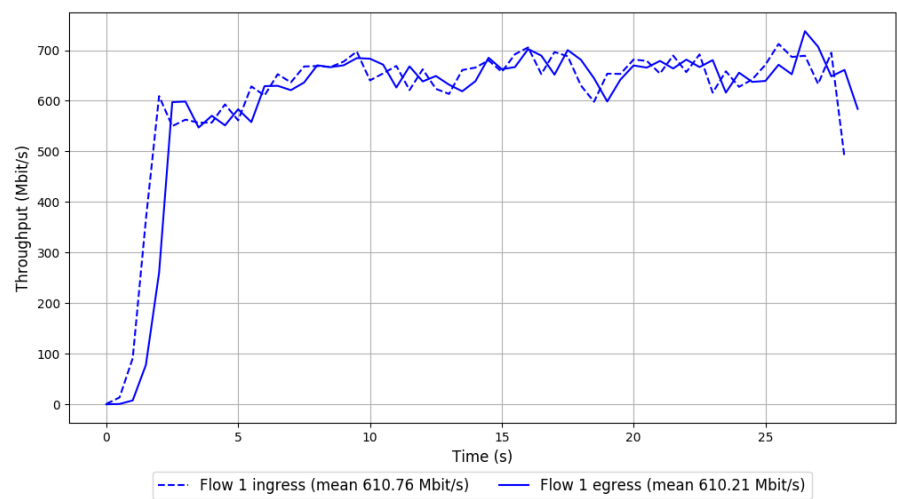


Run 2: Statistics of Indigo-MusesC5

Start at: 2019-01-24 13:46:38
End at: 2019-01-24 13:47:08
Local clock offset: 21.255 ms
Remote clock offset: 24.618 ms

Below is generated by plot.py at 2019-01-24 17:02:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 610.21 Mbit/s
95th percentile per-packet one-way delay: 90.575 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 610.21 Mbit/s
95th percentile per-packet one-way delay: 90.575 ms
Loss rate: 0.09%

Run 2: Report of Indigo-MusesC5 — Data Link

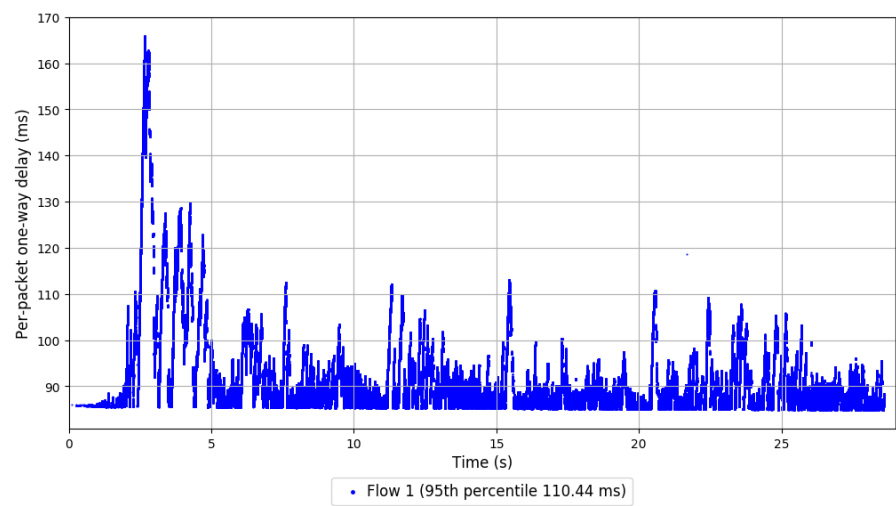
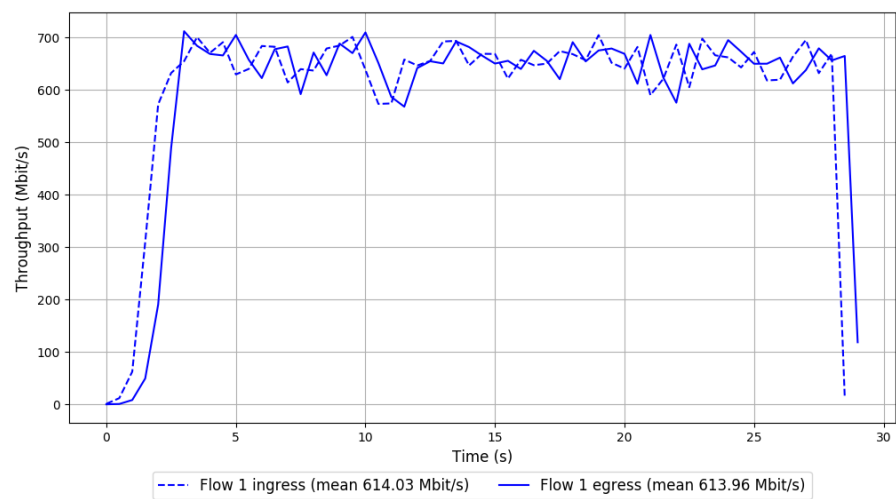


Run 3: Statistics of Indigo-MusesC5

Start at: 2019-01-24 14:21:02
End at: 2019-01-24 14:21:32
Local clock offset: 15.883 ms
Remote clock offset: 38.397 ms

Below is generated by plot.py at 2019-01-24 17:04:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 613.96 Mbit/s
95th percentile per-packet one-way delay: 110.439 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 613.96 Mbit/s
95th percentile per-packet one-way delay: 110.439 ms
Loss rate: 0.01%

Run 3: Report of Indigo-MusesC5 — Data Link

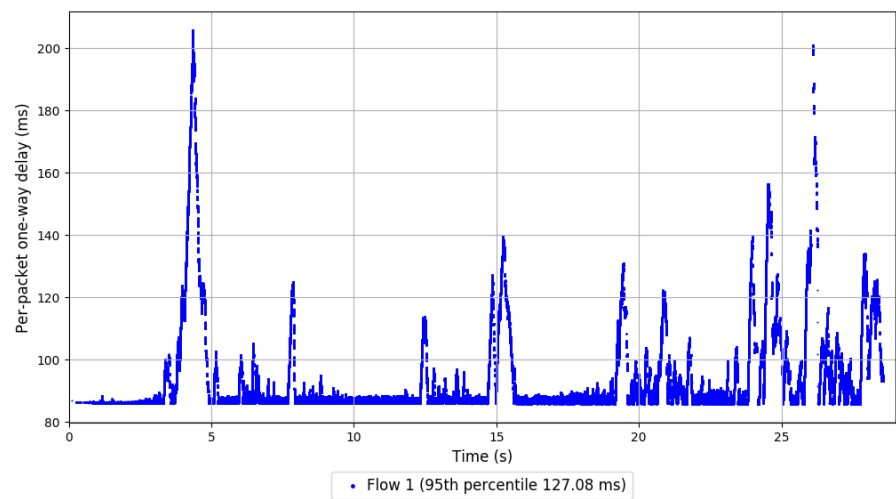
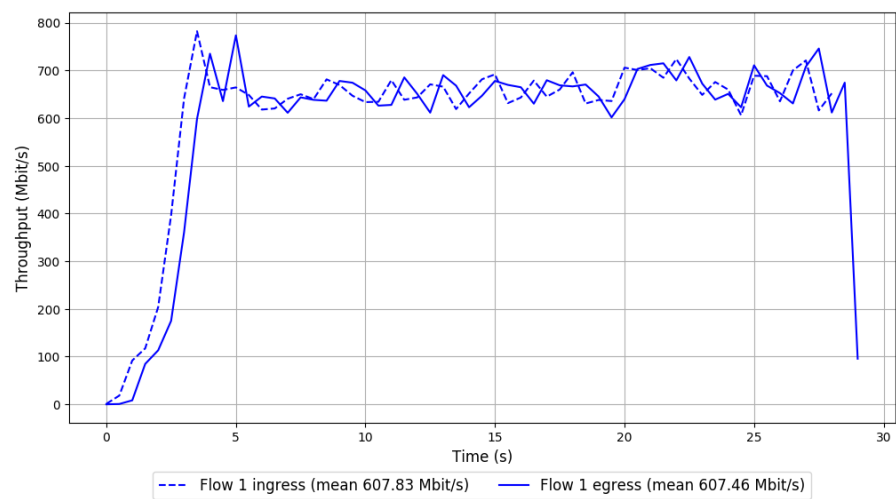


Run 4: Statistics of Indigo-MusesC5

Start at: 2019-01-24 14:53:18
End at: 2019-01-24 14:53:48
Local clock offset: 6.086 ms
Remote clock offset: 19.024 ms

Below is generated by plot.py at 2019-01-24 17:06:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 607.46 Mbit/s
95th percentile per-packet one-way delay: 127.079 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 607.46 Mbit/s
95th percentile per-packet one-way delay: 127.079 ms
Loss rate: 0.06%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-01-24 15:25:49

End at: 2019-01-24 15:26:19

Local clock offset: 2.256 ms

Remote clock offset: 4.385 ms

Below is generated by plot.py at 2019-01-24 17:10:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 623.92 Mbit/s

95th percentile per-packet one-way delay: 100.743 ms

Loss rate: 0.14%

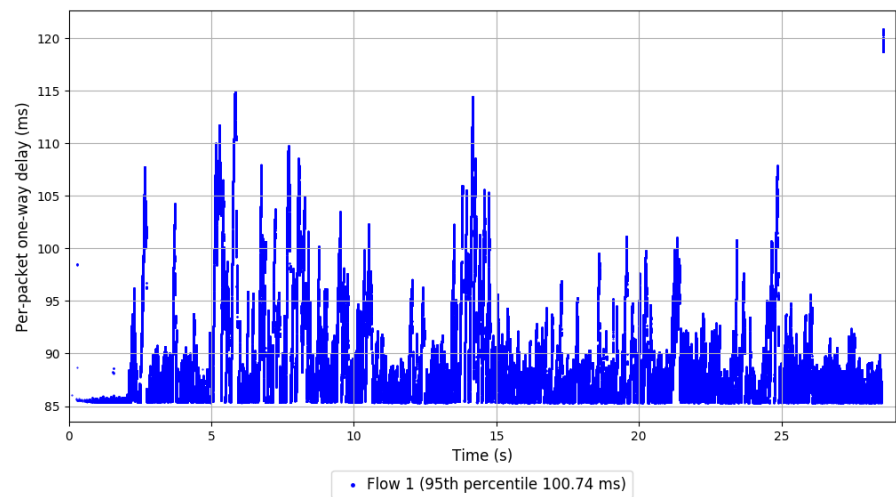
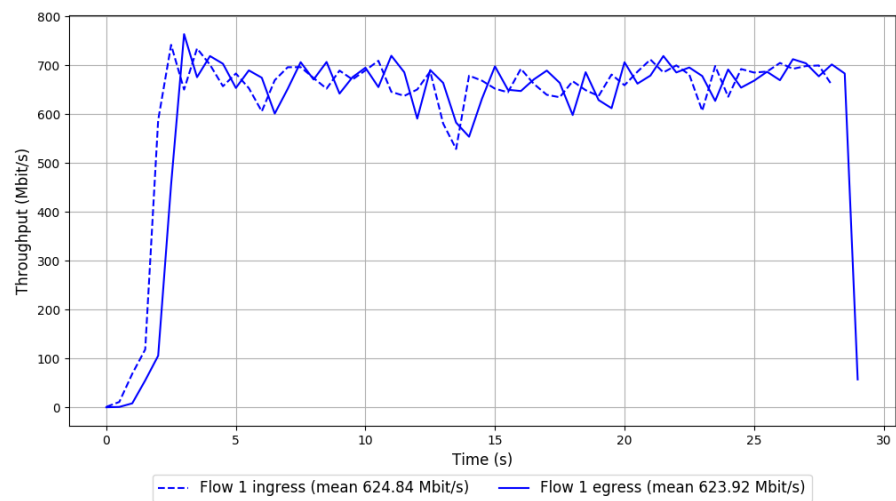
-- Flow 1:

Average throughput: 623.92 Mbit/s

95th percentile per-packet one-way delay: 100.743 ms

Loss rate: 0.14%

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

Start at: 2019-01-24 13:19:00

End at: 2019-01-24 13:19:30

Local clock offset: 13.779 ms

Remote clock offset: 30.568 ms

Below is generated by plot.py at 2019-01-24 17:12:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 616.42 Mbit/s

95th percentile per-packet one-way delay: 93.255 ms

Loss rate: 0.00%

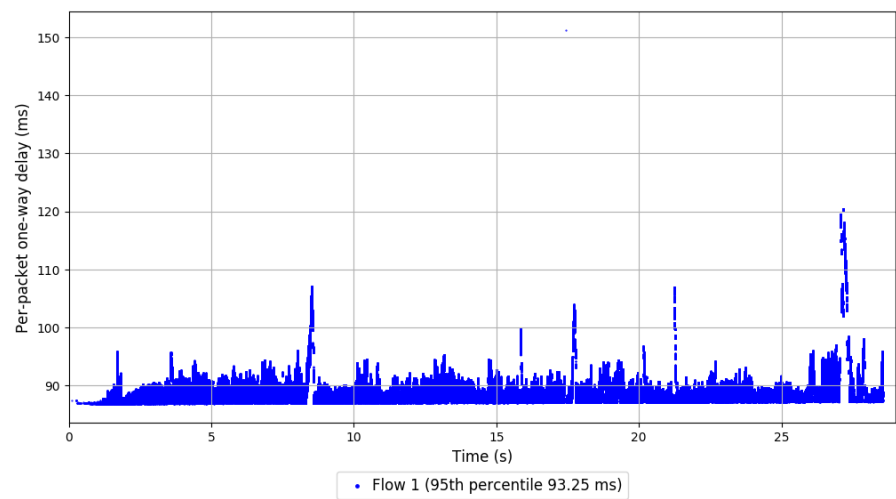
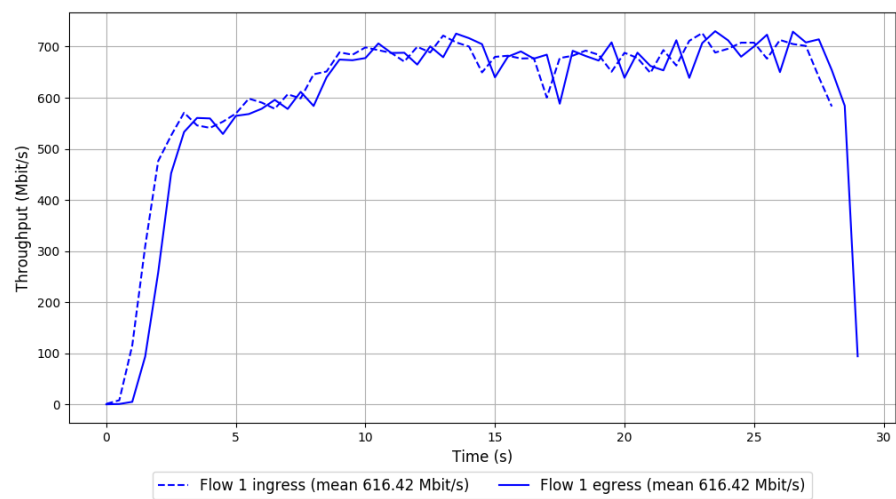
-- Flow 1:

Average throughput: 616.42 Mbit/s

95th percentile per-packet one-way delay: 93.255 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-01-24 13:51:06

End at: 2019-01-24 13:51:36

Local clock offset: 23.672 ms

Remote clock offset: 28.711 ms

Below is generated by plot.py at 2019-01-24 17:12:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 611.75 Mbit/s

95th percentile per-packet one-way delay: 94.393 ms

Loss rate: 0.00%

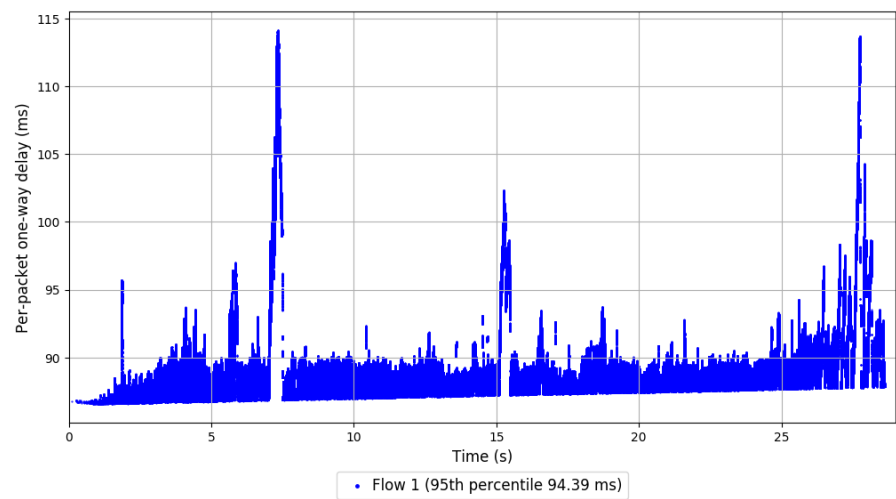
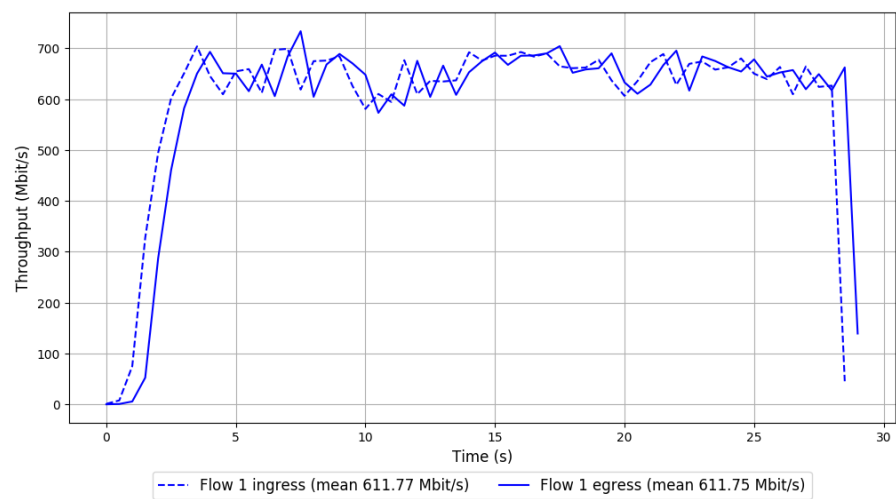
-- Flow 1:

Average throughput: 611.75 Mbit/s

95th percentile per-packet one-way delay: 94.393 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesD — Data Link

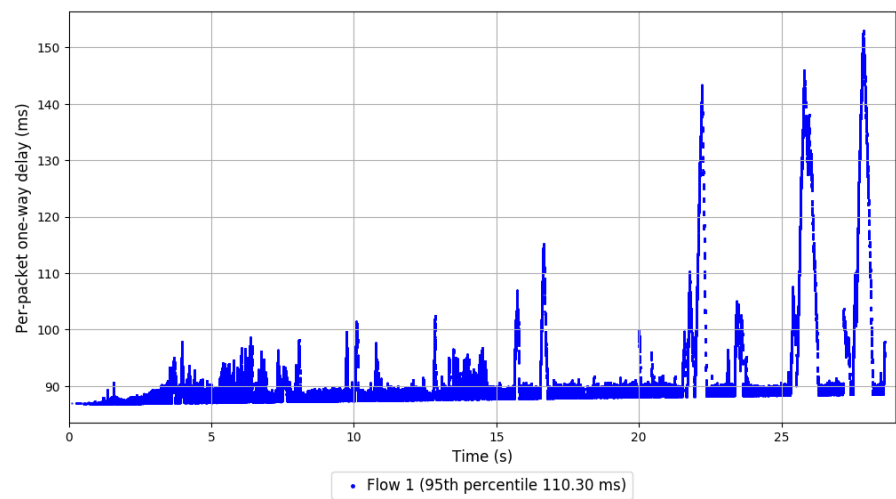
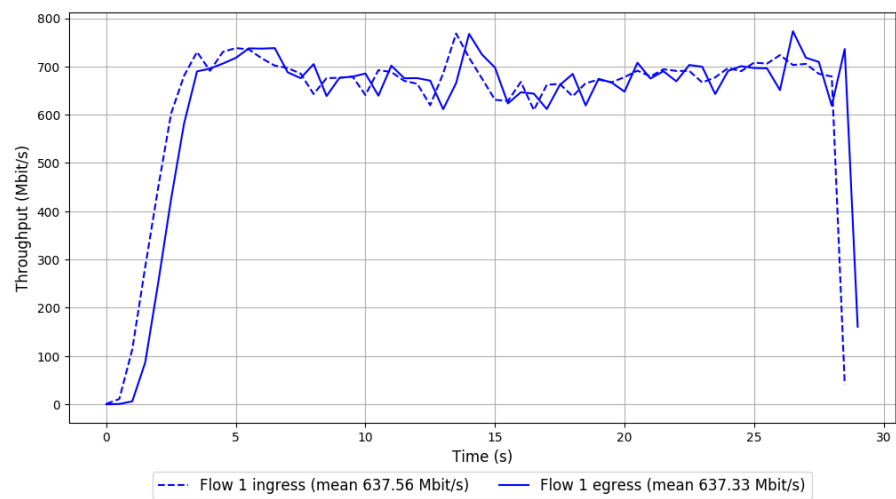


Run 3: Statistics of Indigo-MusesD

Start at: 2019-01-24 14:25:31
End at: 2019-01-24 14:26:01
Local clock offset: 15.346 ms
Remote clock offset: 40.404 ms

Below is generated by plot.py at 2019-01-24 17:13:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 637.33 Mbit/s
95th percentile per-packet one-way delay: 110.301 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 637.33 Mbit/s
95th percentile per-packet one-way delay: 110.301 ms
Loss rate: 0.02%

Run 3: Report of Indigo-MusesD — Data Link

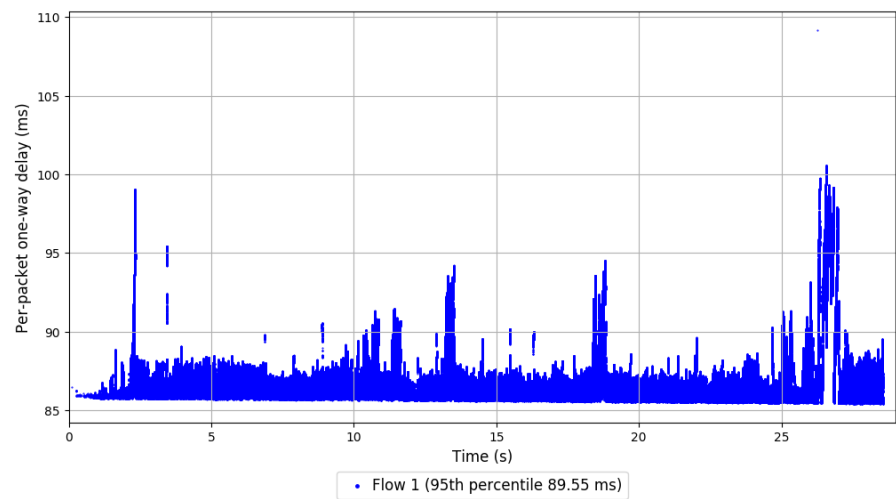
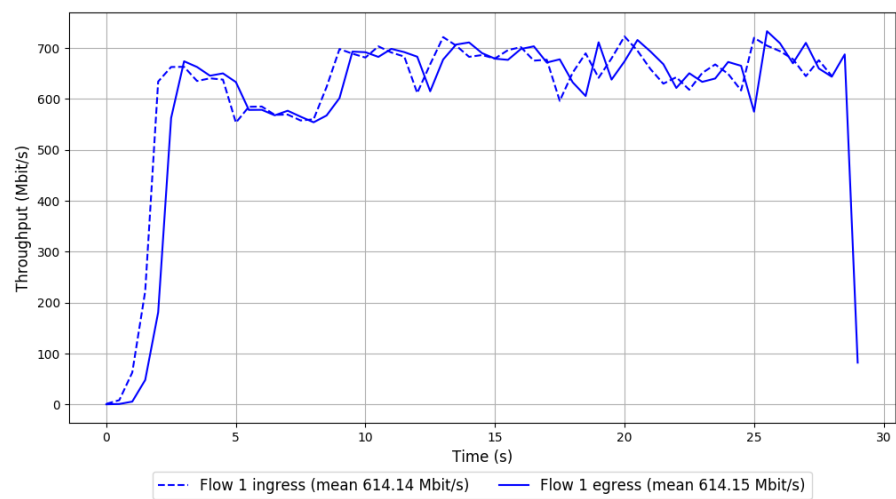


Run 4: Statistics of Indigo-MusesD

Start at: 2019-01-24 14:57:49
End at: 2019-01-24 14:58:19
Local clock offset: 5.124 ms
Remote clock offset: 21.024 ms

Below is generated by plot.py at 2019-01-24 17:13:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 614.15 Mbit/s
95th percentile per-packet one-way delay: 89.552 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 614.15 Mbit/s
95th percentile per-packet one-way delay: 89.552 ms
Loss rate: 0.00%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-01-24 15:30:17

End at: 2019-01-24 15:30:47

Local clock offset: 1.644 ms

Remote clock offset: 4.689 ms

Below is generated by plot.py at 2019-01-24 17:13:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 576.14 Mbit/s

95th percentile per-packet one-way delay: 93.595 ms

Loss rate: 0.00%

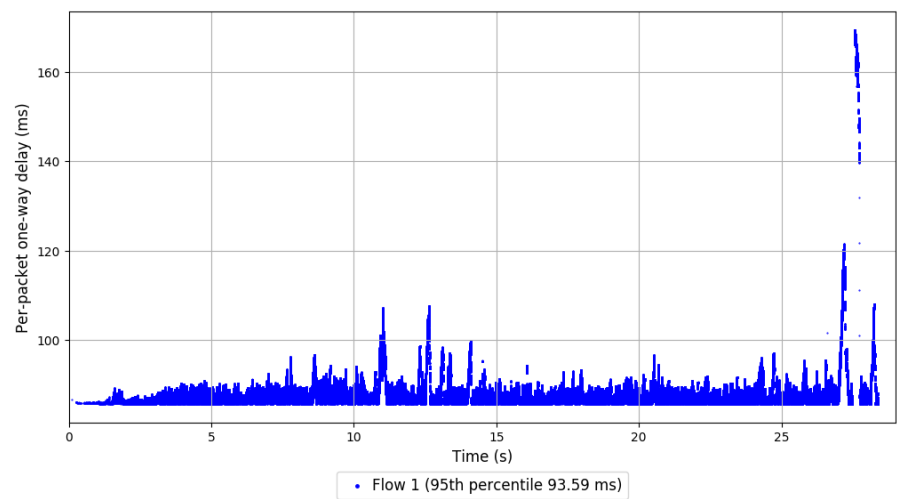
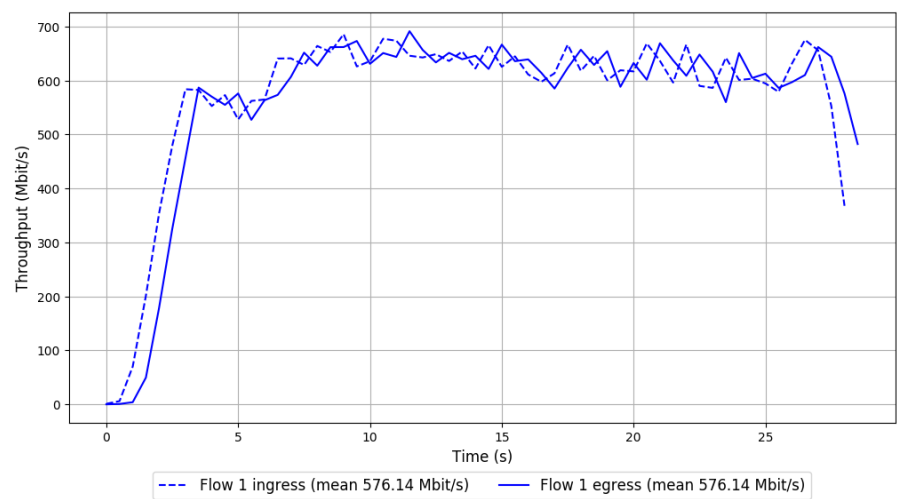
-- Flow 1:

Average throughput: 576.14 Mbit/s

95th percentile per-packet one-way delay: 93.595 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MusesT

Start at: 2019-01-24 13:27:47

End at: 2019-01-24 13:28:17

Local clock offset: 18.779 ms

Remote clock offset: 41.035 ms

Below is generated by plot.py at 2019-01-24 17:17:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 688.09 Mbit/s

95th percentile per-packet one-way delay: 130.828 ms

Loss rate: 0.21%

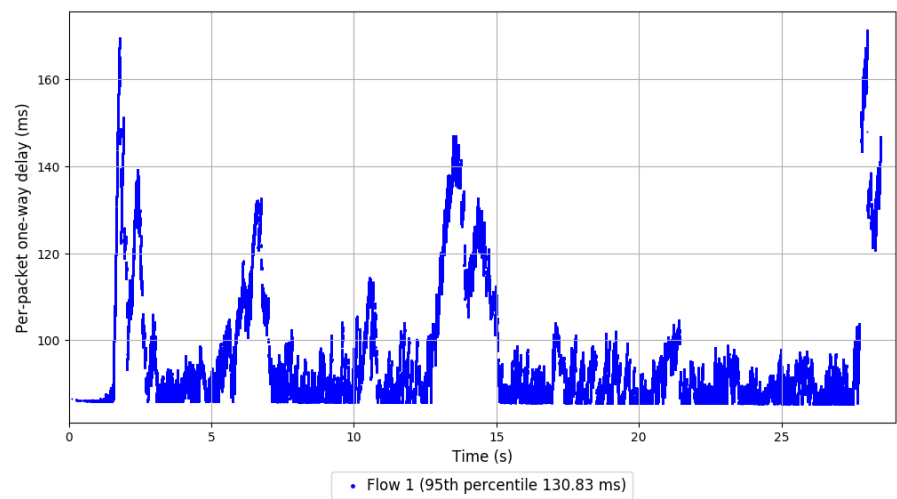
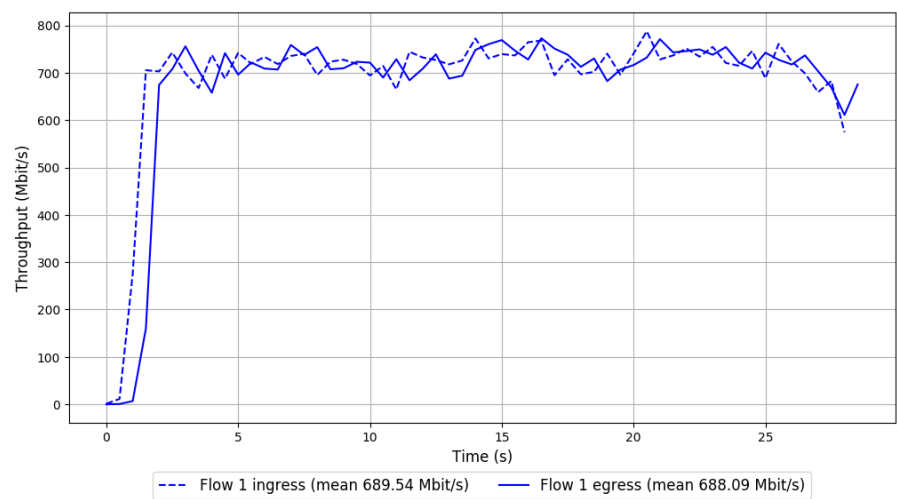
-- Flow 1:

Average throughput: 688.09 Mbit/s

95th percentile per-packet one-way delay: 130.828 ms

Loss rate: 0.21%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-01-24 14:00:03

End at: 2019-01-24 14:00:33

Local clock offset: 32.137 ms

Remote clock offset: 21.51 ms

Below is generated by plot.py at 2019-01-24 17:19:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 671.15 Mbit/s

95th percentile per-packet one-way delay: 164.841 ms

Loss rate: 0.13%

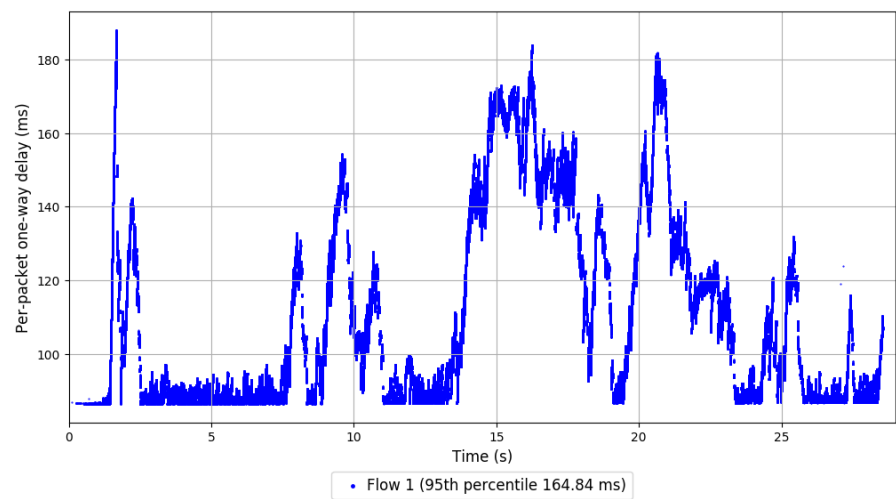
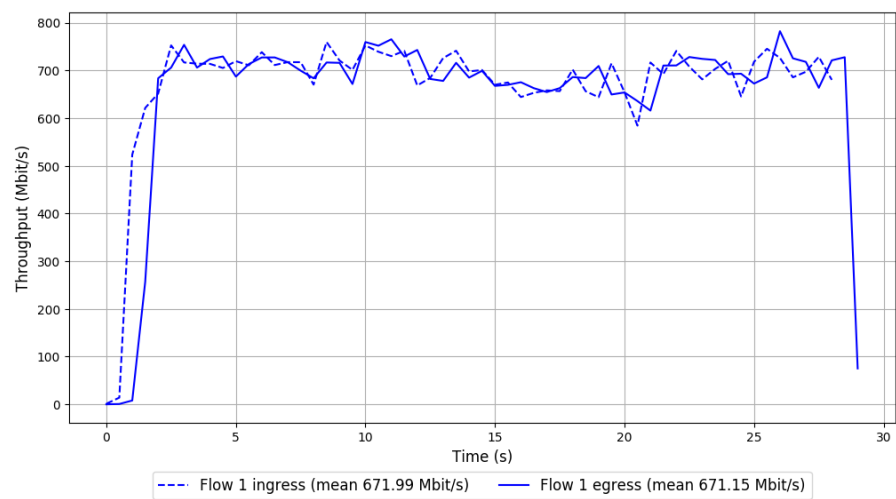
-- Flow 1:

Average throughput: 671.15 Mbit/s

95th percentile per-packet one-way delay: 164.841 ms

Loss rate: 0.13%

Run 2: Report of Indigo-MusesT — Data Link

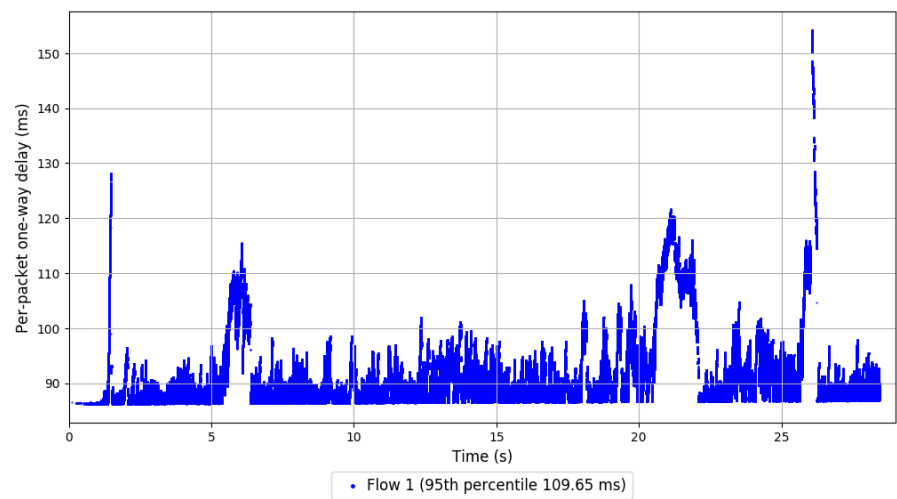
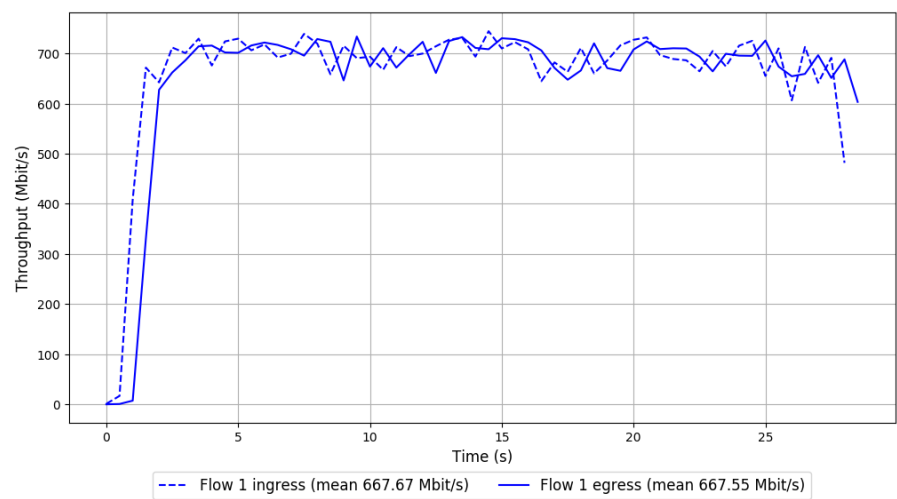


Run 3: Statistics of Indigo-MusesT

Start at: 2019-01-24 14:34:22
End at: 2019-01-24 14:34:52
Local clock offset: 16.832 ms
Remote clock offset: 19.724 ms

Below is generated by plot.py at 2019-01-24 17:22:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 667.55 Mbit/s
95th percentile per-packet one-way delay: 109.646 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 667.55 Mbit/s
95th percentile per-packet one-way delay: 109.646 ms
Loss rate: 0.01%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2019-01-24 15:06:45

End at: 2019-01-24 15:07:15

Local clock offset: 3.935 ms

Remote clock offset: 9.625 ms

Below is generated by plot.py at 2019-01-24 17:23:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 668.78 Mbit/s

95th percentile per-packet one-way delay: 111.380 ms

Loss rate: 0.00%

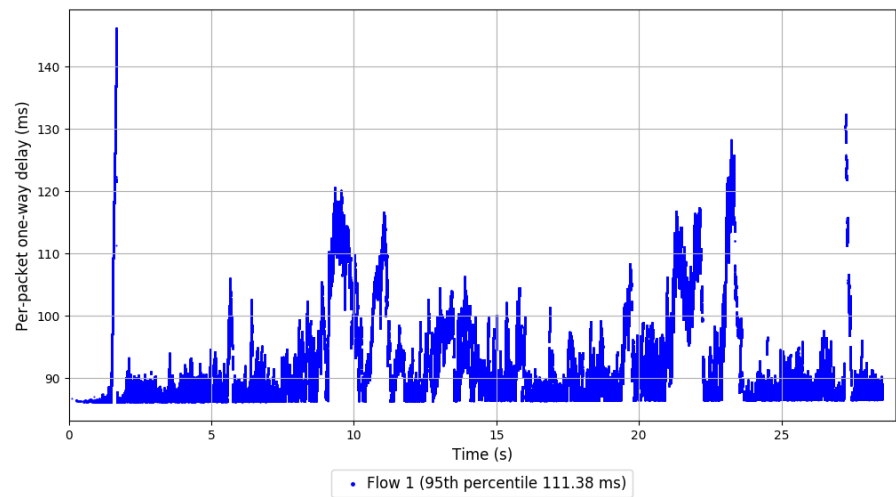
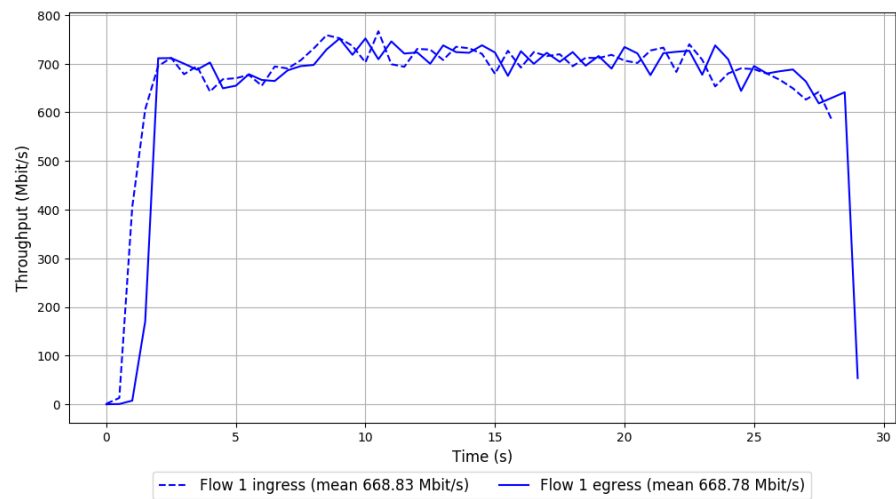
-- Flow 1:

Average throughput: 668.78 Mbit/s

95th percentile per-packet one-way delay: 111.380 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-01-24 15:39:04

End at: 2019-01-24 15:39:34

Local clock offset: 1.925 ms

Remote clock offset: 2.732 ms

Below is generated by plot.py at 2019-01-24 17:23:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 644.47 Mbit/s

95th percentile per-packet one-way delay: 117.792 ms

Loss rate: 0.02%

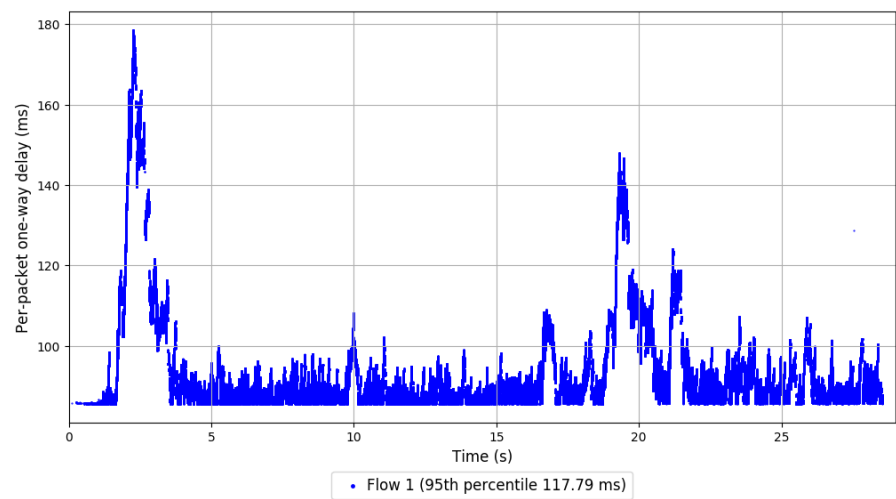
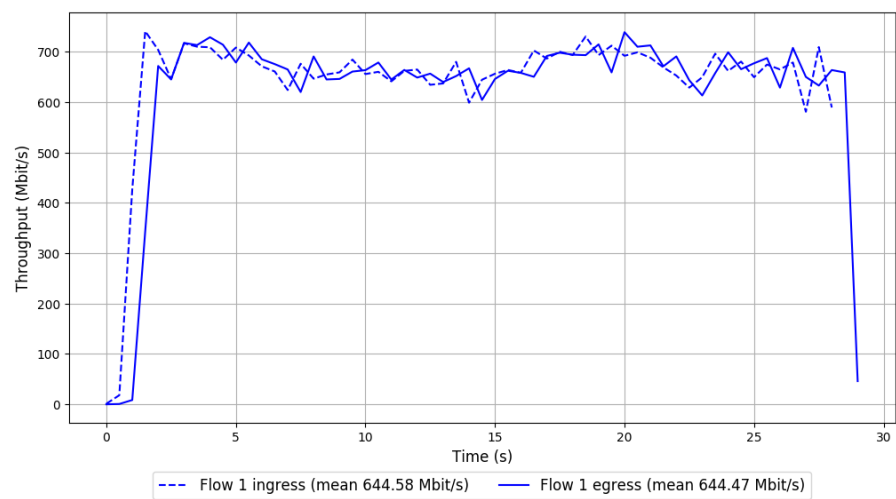
-- Flow 1:

Average throughput: 644.47 Mbit/s

95th percentile per-packet one-way delay: 117.792 ms

Loss rate: 0.02%

Run 5: Report of Indigo-MusesT — Data Link

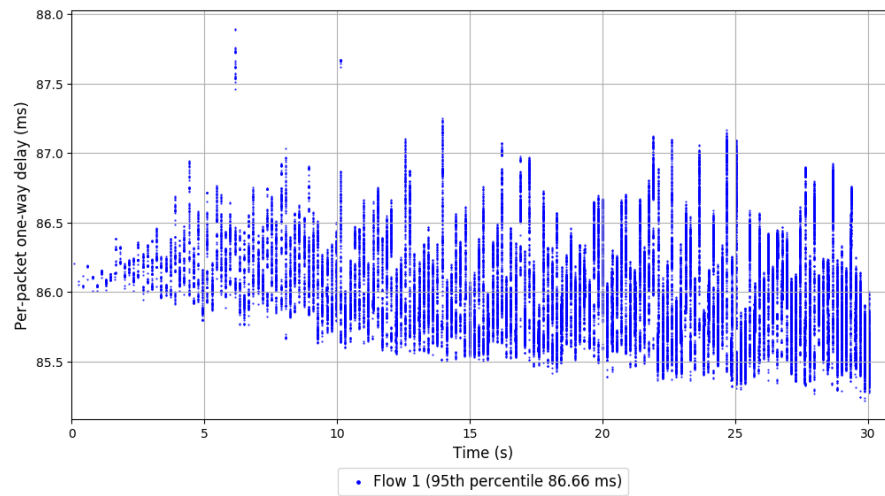
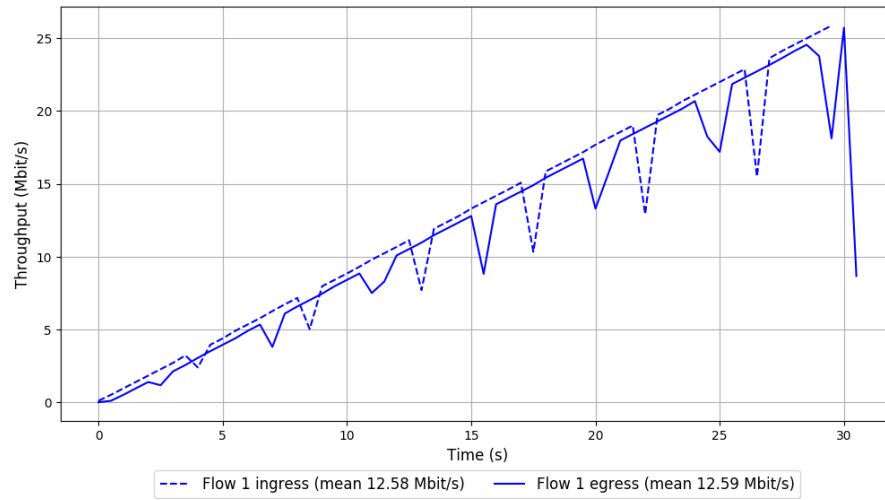


Run 1: Statistics of LEDBAT

Start at: 2019-01-24 13:24:02
End at: 2019-01-24 13:24:32
Local clock offset: 14.686 ms
Remote clock offset: 31.918 ms

Below is generated by plot.py at 2019-01-24 17:23:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.59 Mbit/s
95th percentile per-packet one-way delay: 86.661 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.59 Mbit/s
95th percentile per-packet one-way delay: 86.661 ms
Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2019-01-24 13:56:10

End at: 2019-01-24 13:56:40

Local clock offset: 27.52 ms

Remote clock offset: 22.31 ms

Below is generated by plot.py at 2019-01-24 17:23:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.48 Mbit/s

95th percentile per-packet one-way delay: 88.446 ms

Loss rate: 0.00%

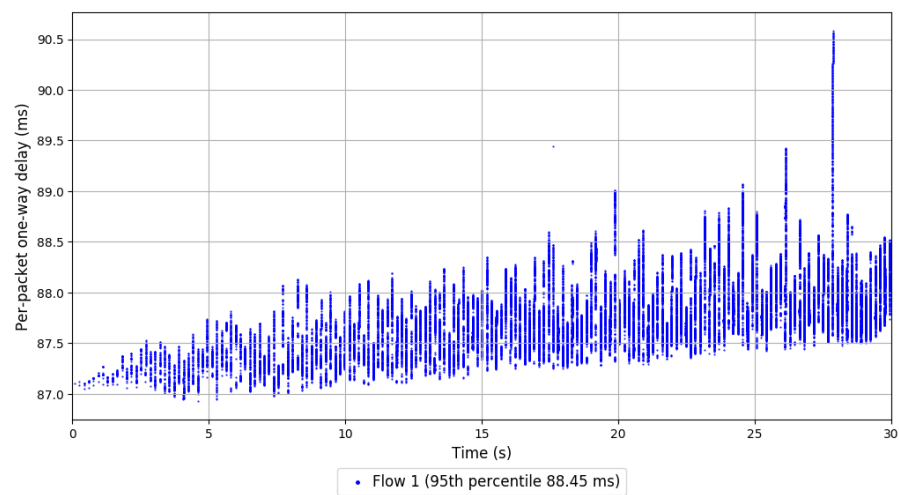
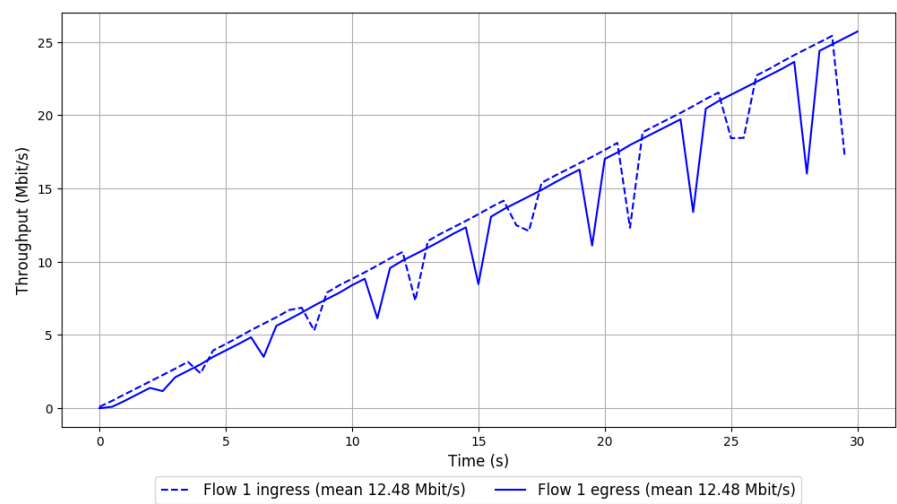
-- Flow 1:

Average throughput: 12.48 Mbit/s

95th percentile per-packet one-way delay: 88.446 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

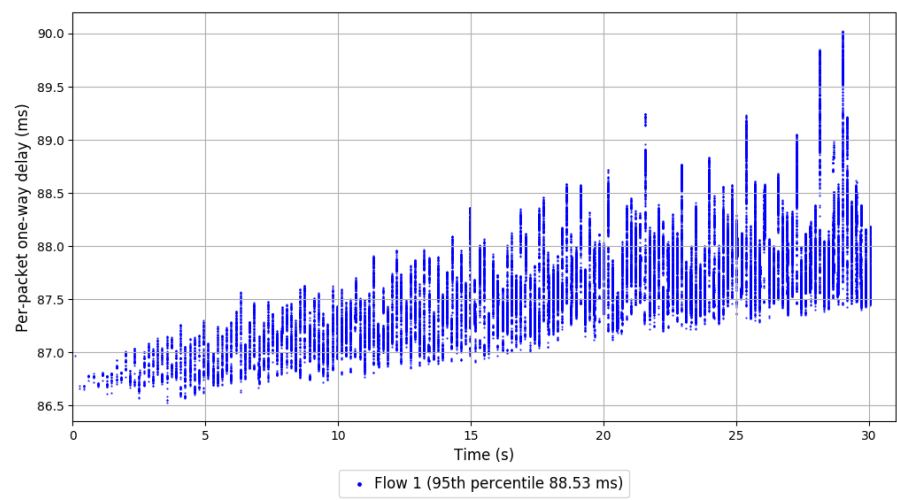
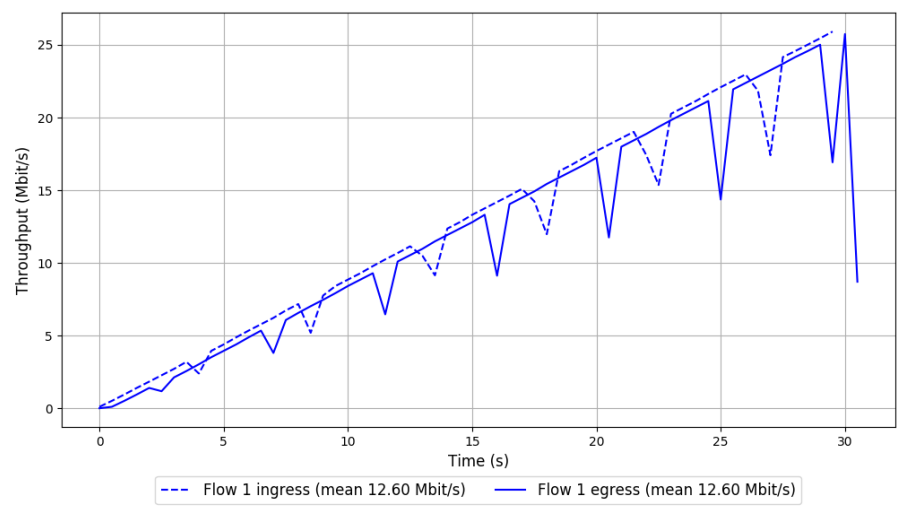


Run 3: Statistics of LEDBAT

Start at: 2019-01-24 14:30:36
End at: 2019-01-24 14:31:06
Local clock offset: 15.393 ms
Remote clock offset: 25.128 ms

Below is generated by plot.py at 2019-01-24 17:23:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.60 Mbit/s
95th percentile per-packet one-way delay: 88.534 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.60 Mbit/s
95th percentile per-packet one-way delay: 88.534 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2019-01-24 15:02:59

End at: 2019-01-24 15:03:29

Local clock offset: 4.36 ms

Remote clock offset: 14.36 ms

Below is generated by plot.py at 2019-01-24 17:23:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.62 Mbit/s

95th percentile per-packet one-way delay: 88.004 ms

Loss rate: 0.00%

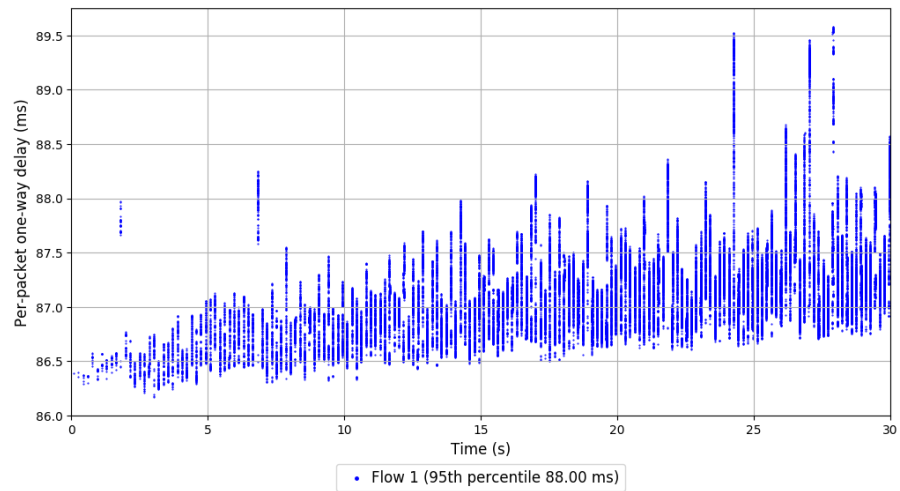
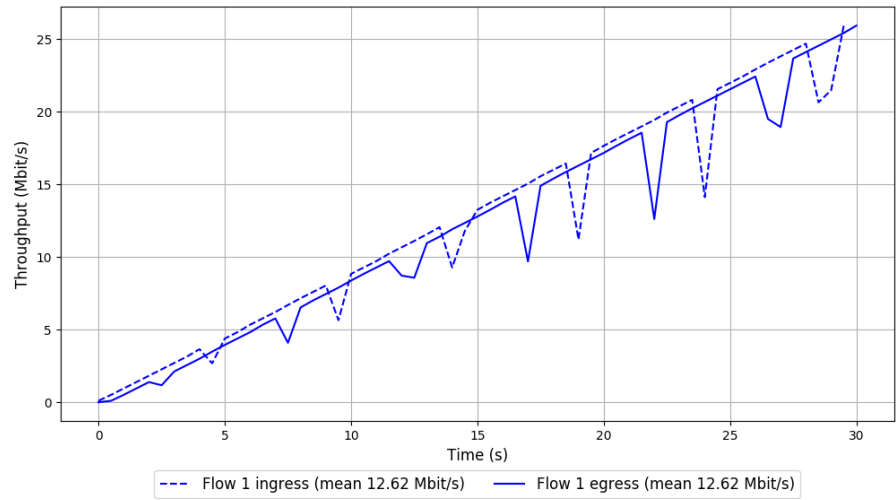
-- Flow 1:

Average throughput: 12.62 Mbit/s

95th percentile per-packet one-way delay: 88.004 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2019-01-24 15:35:18

End at: 2019-01-24 15:35:48

Local clock offset: 1.491 ms

Remote clock offset: 4.077 ms

Below is generated by plot.py at 2019-01-24 17:23:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.56 Mbit/s

95th percentile per-packet one-way delay: 88.102 ms

Loss rate: 0.00%

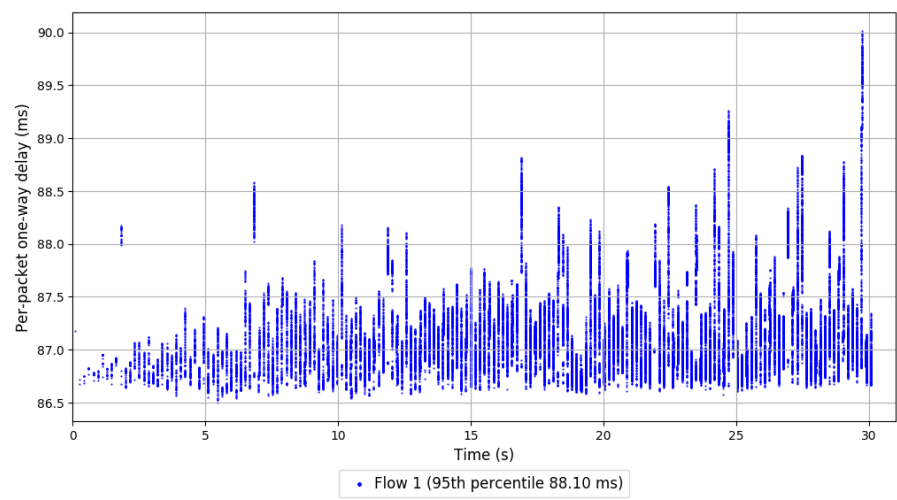
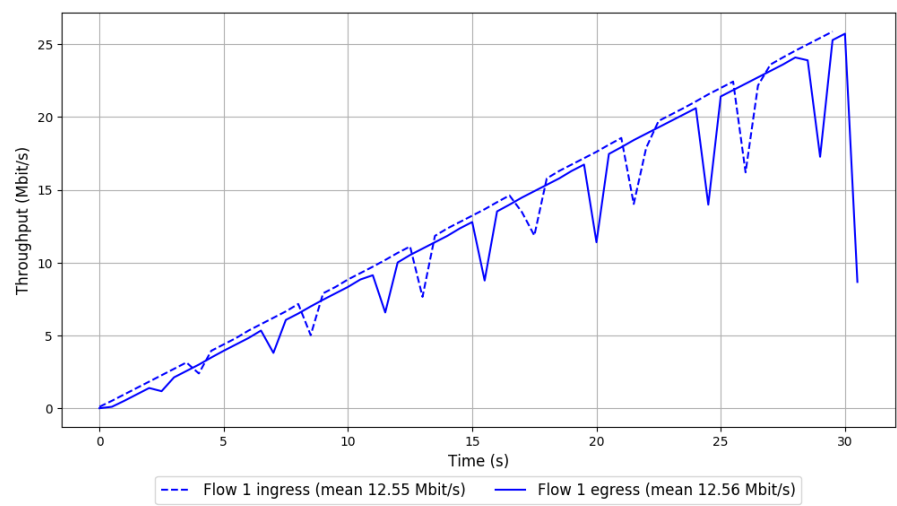
-- Flow 1:

Average throughput: 12.56 Mbit/s

95th percentile per-packet one-way delay: 88.102 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2019-01-24 13:31:47

End at: 2019-01-24 13:32:18

Local clock offset: 24.213 ms

Remote clock offset: 52.327 ms

Below is generated by plot.py at 2019-01-24 17:32:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 494.90 Mbit/s

95th percentile per-packet one-way delay: 190.903 ms

Loss rate: 3.09%

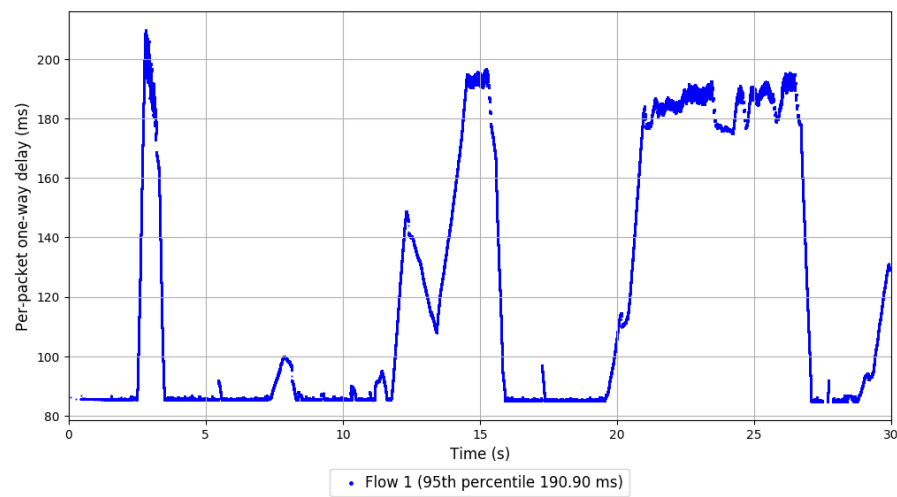
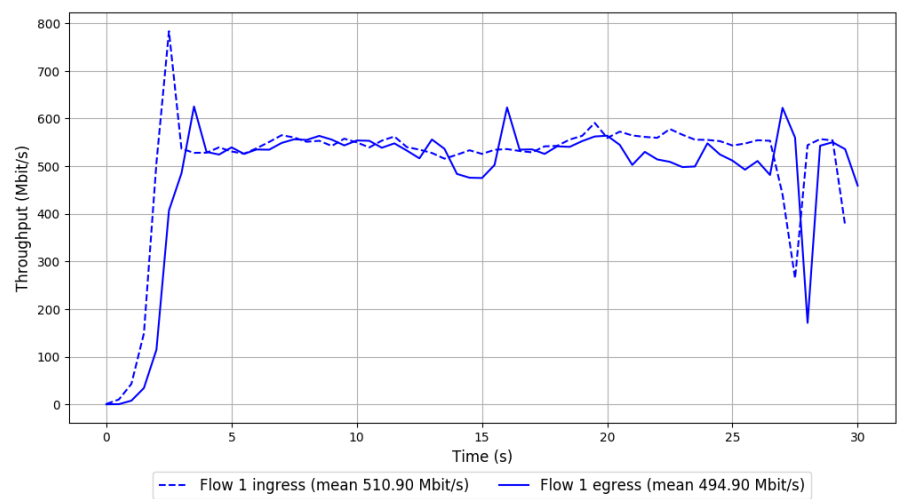
-- Flow 1:

Average throughput: 494.90 Mbit/s

95th percentile per-packet one-way delay: 190.903 ms

Loss rate: 3.09%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-01-24 14:04:16

End at: 2019-01-24 14:04:46

Local clock offset: 36.632 ms

Remote clock offset: 22.901 ms

Below is generated by plot.py at 2019-01-24 17:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 490.44 Mbit/s

95th percentile per-packet one-way delay: 189.032 ms

Loss rate: 2.07%

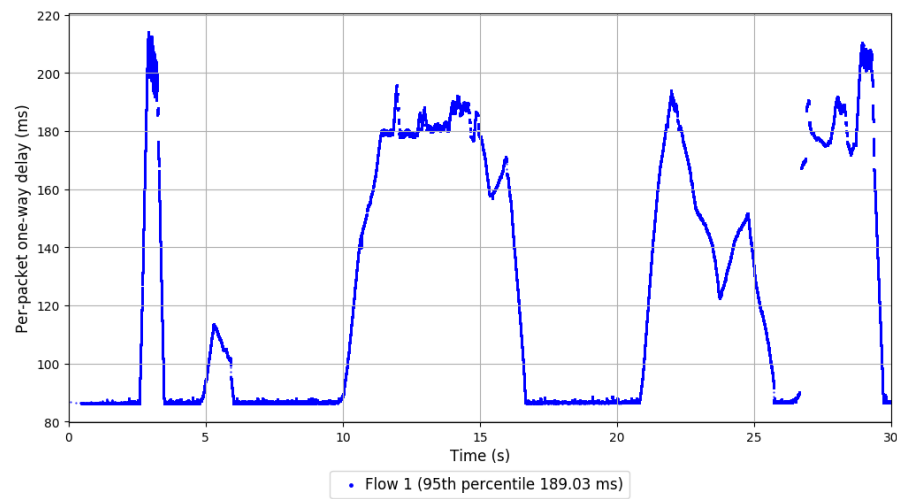
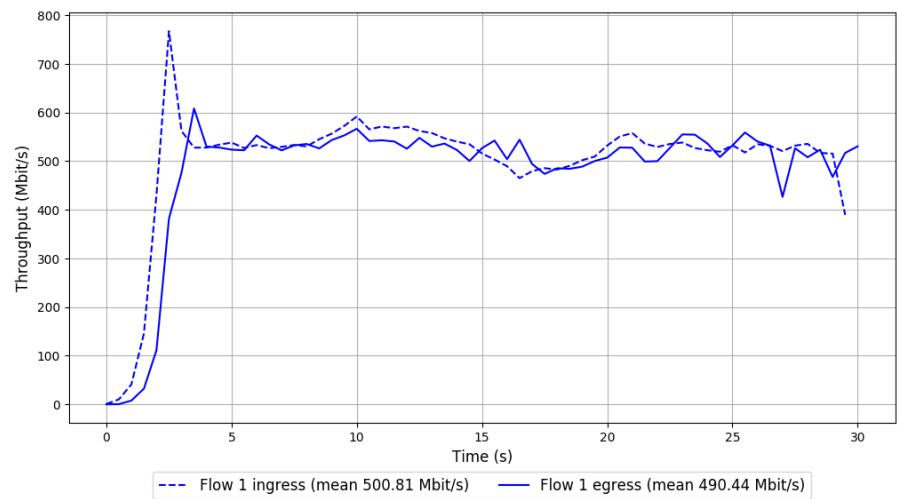
-- Flow 1:

Average throughput: 490.44 Mbit/s

95th percentile per-packet one-way delay: 189.032 ms

Loss rate: 2.07%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-01-24 14:38:22

End at: 2019-01-24 14:38:52

Local clock offset: 18.847 ms

Remote clock offset: 16.969 ms

Below is generated by plot.py at 2019-01-24 17:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 476.00 Mbit/s

95th percentile per-packet one-way delay: 184.769 ms

Loss rate: 1.19%

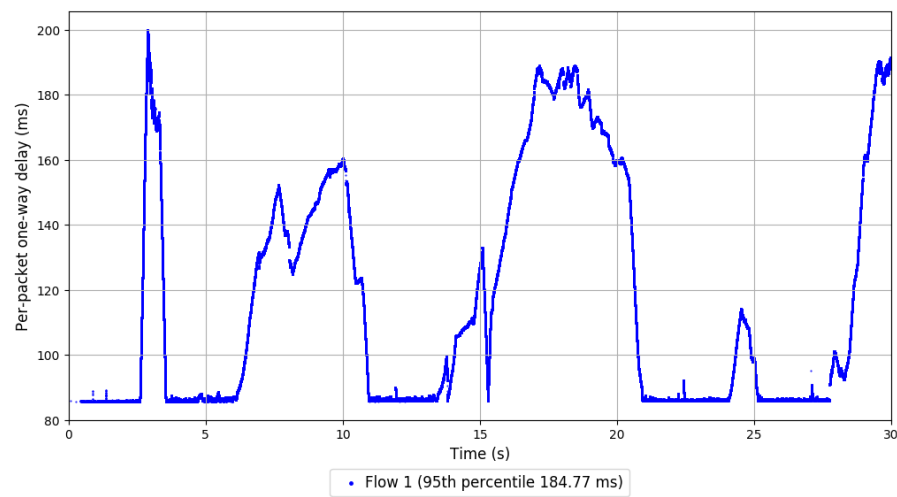
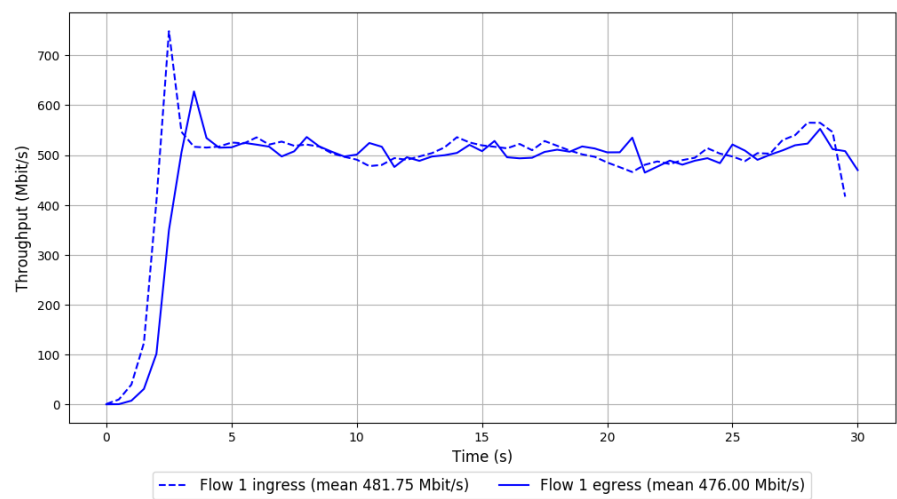
-- Flow 1:

Average throughput: 476.00 Mbit/s

95th percentile per-packet one-way delay: 184.769 ms

Loss rate: 1.19%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-01-24 15:10:45

End at: 2019-01-24 15:11:15

Local clock offset: 3.994 ms

Remote clock offset: 7.111 ms

Below is generated by plot.py at 2019-01-24 17:36:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 494.25 Mbit/s

95th percentile per-packet one-way delay: 190.525 ms

Loss rate: 1.28%

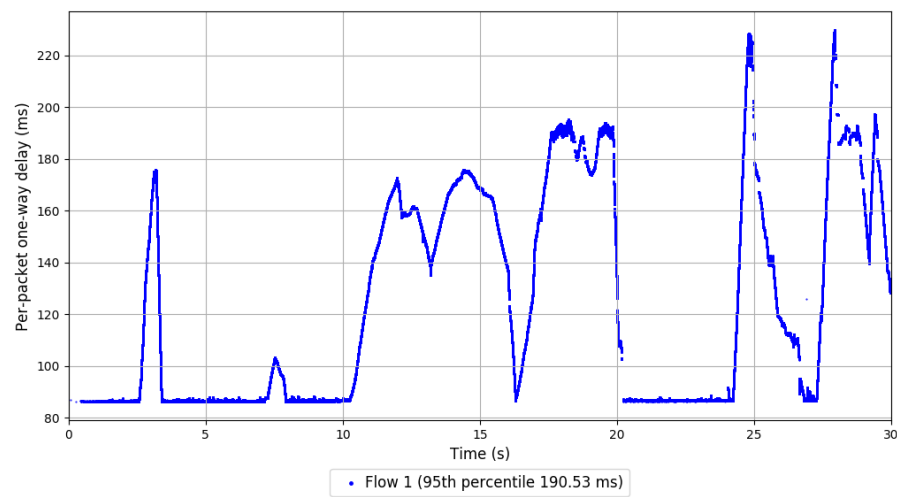
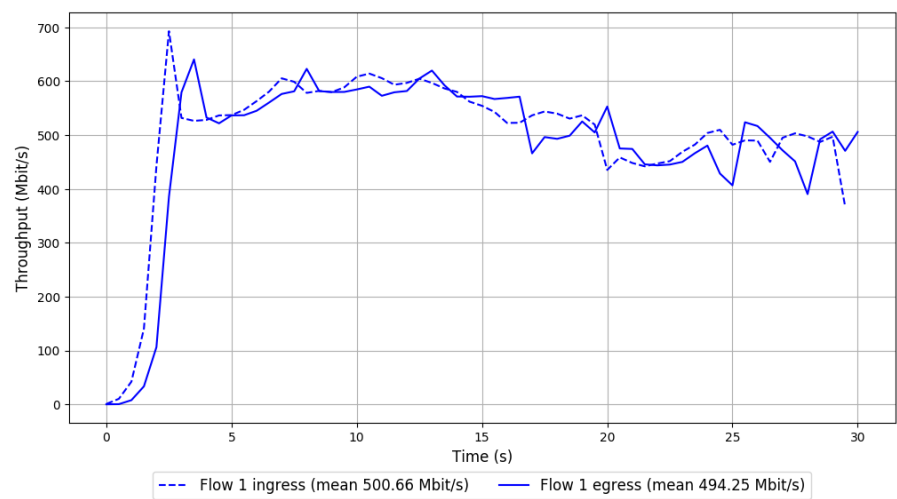
-- Flow 1:

Average throughput: 494.25 Mbit/s

95th percentile per-packet one-way delay: 190.525 ms

Loss rate: 1.28%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-01-24 15:43:03

End at: 2019-01-24 15:43:33

Local clock offset: 1.795 ms

Remote clock offset: 2.174 ms

Below is generated by plot.py at 2019-01-24 17:37:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 435.56 Mbit/s

95th percentile per-packet one-way delay: 191.329 ms

Loss rate: 1.93%

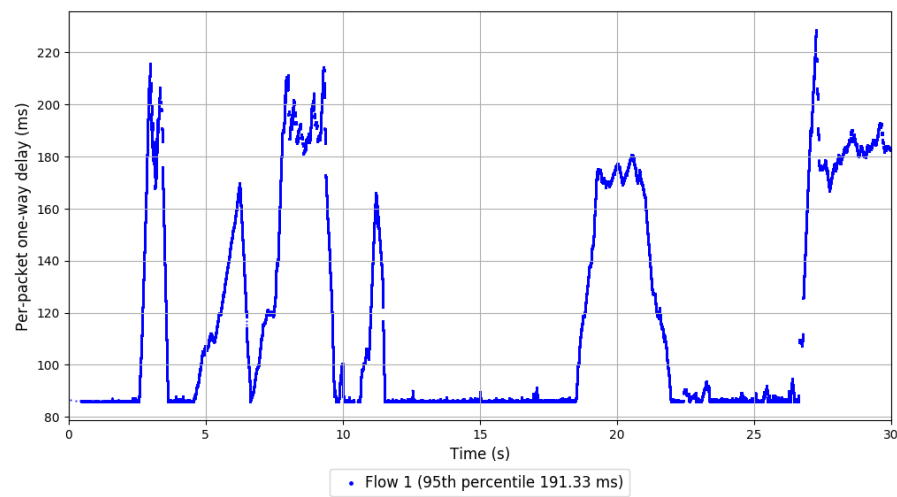
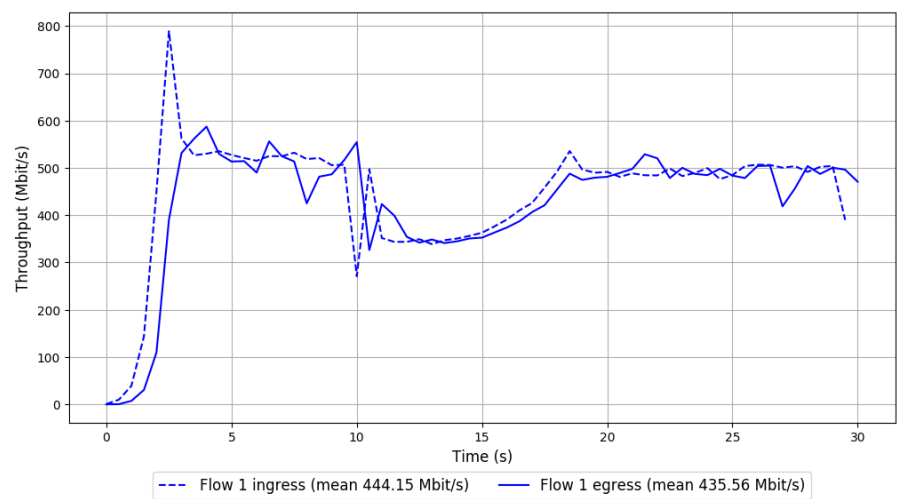
-- Flow 1:

Average throughput: 435.56 Mbit/s

95th percentile per-packet one-way delay: 191.329 ms

Loss rate: 1.93%

Run 5: Report of PCC-Allegro — Data Link

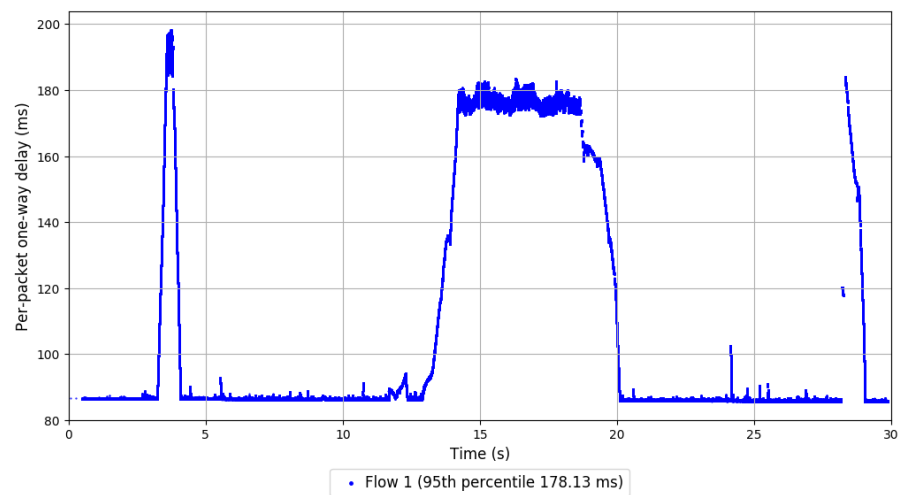
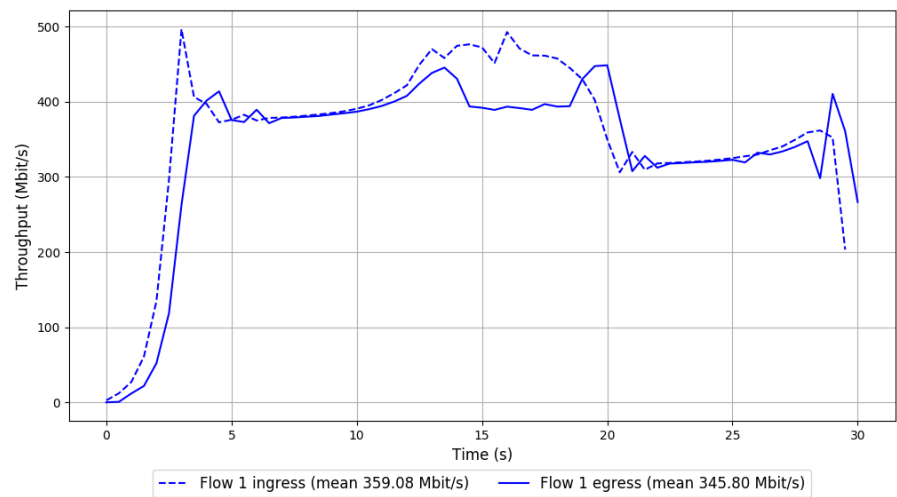


Run 1: Statistics of PCC-Expr

Start at: 2019-01-24 13:12:30
End at: 2019-01-24 13:13:00
Local clock offset: 10.674 ms
Remote clock offset: 23.569 ms

Below is generated by plot.py at 2019-01-24 17:37:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 345.80 Mbit/s
95th percentile per-packet one-way delay: 178.132 ms
Loss rate: 3.70%
-- Flow 1:
Average throughput: 345.80 Mbit/s
95th percentile per-packet one-way delay: 178.132 ms
Loss rate: 3.70%

Run 1: Report of PCC-Expr — Data Link

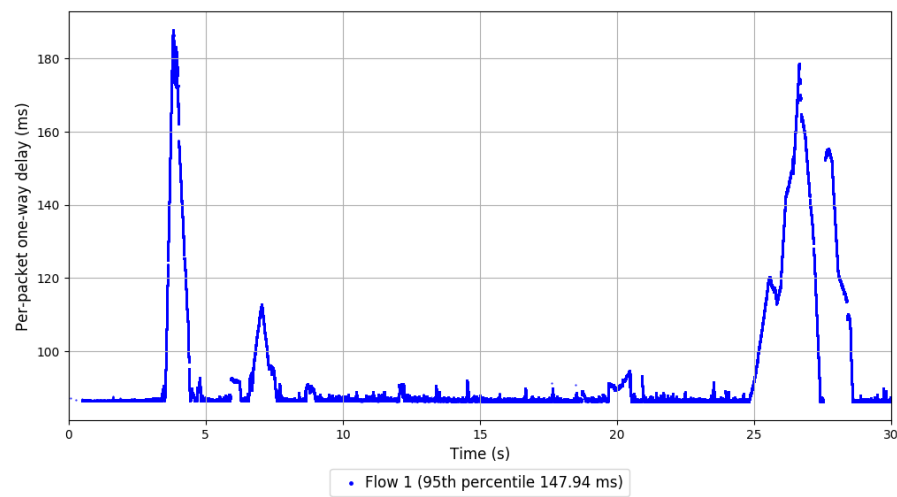
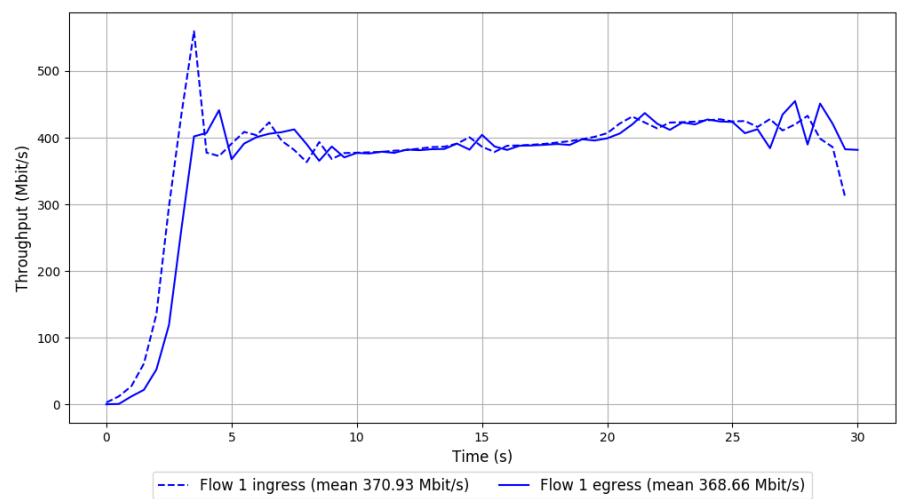


Run 2: Statistics of PCC-Expr

Start at: 2019-01-24 13:44:54
End at: 2019-01-24 13:45:24
Local clock offset: 19.687 ms
Remote clock offset: 22.979 ms

Below is generated by plot.py at 2019-01-24 17:38:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 368.66 Mbit/s
95th percentile per-packet one-way delay: 147.937 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 368.66 Mbit/s
95th percentile per-packet one-way delay: 147.937 ms
Loss rate: 0.61%

Run 2: Report of PCC-Expr — Data Link

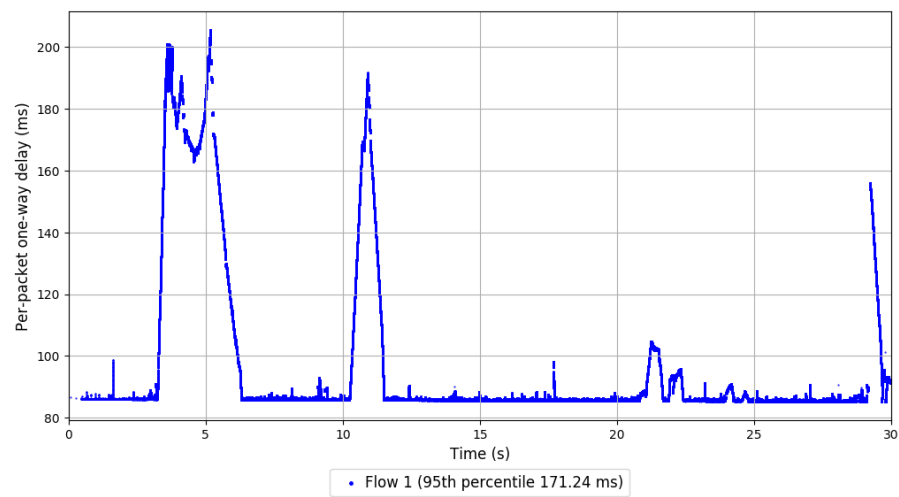
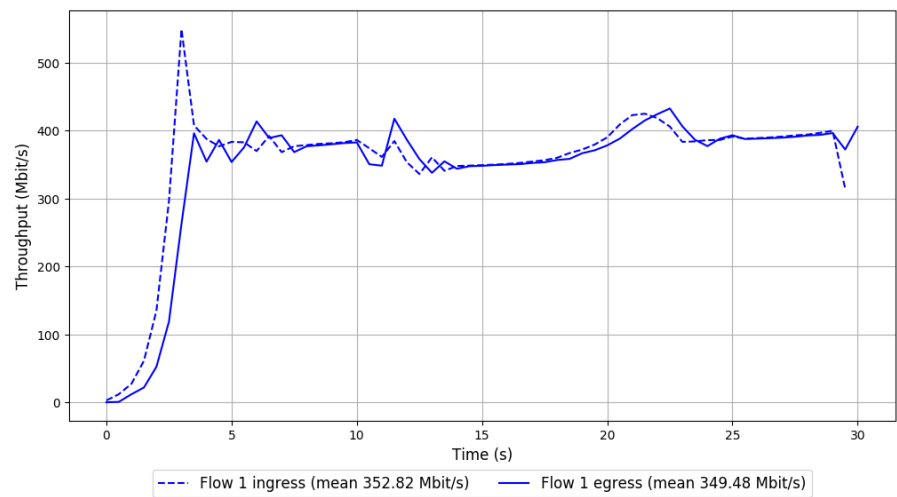


Run 3: Statistics of PCC-Expr

Start at: 2019-01-24 14:19:06
End at: 2019-01-24 14:19:36
Local clock offset: 16.737 ms
Remote clock offset: 36.181 ms

Below is generated by plot.py at 2019-01-24 17:38:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 349.48 Mbit/s
95th percentile per-packet one-way delay: 171.242 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 349.48 Mbit/s
95th percentile per-packet one-way delay: 171.242 ms
Loss rate: 0.95%

Run 3: Report of PCC-Expr — Data Link

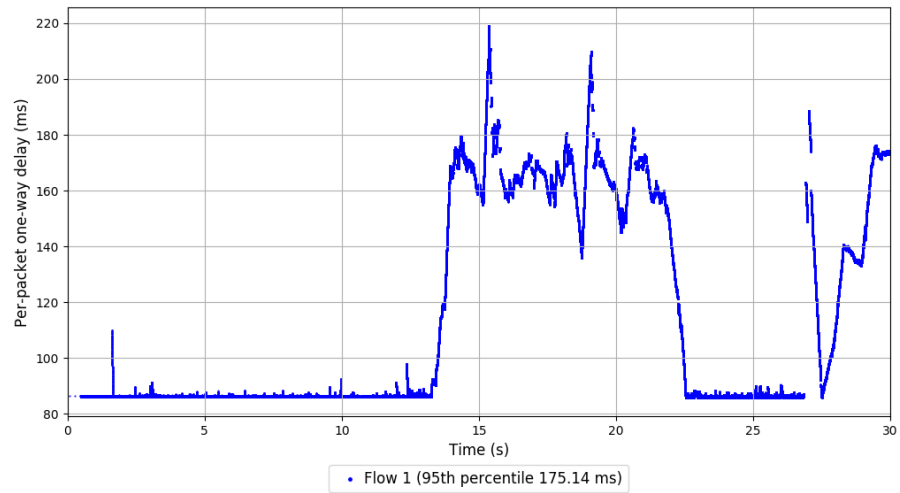
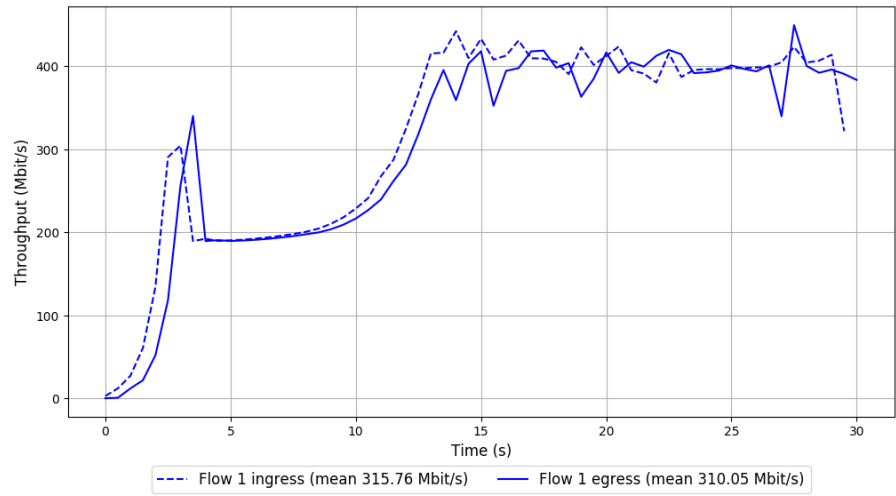


Run 4: Statistics of PCC-Expr

Start at: 2019-01-24 14:51:39
End at: 2019-01-24 14:52:09
Local clock offset: 7.5 ms
Remote clock offset: 18.465 ms

Below is generated by plot.py at 2019-01-24 17:44:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 310.05 Mbit/s
95th percentile per-packet one-way delay: 175.136 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 310.05 Mbit/s
95th percentile per-packet one-way delay: 175.136 ms
Loss rate: 1.83%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2019-01-24 15:24:05

End at: 2019-01-24 15:24:35

Local clock offset: 2.481 ms

Remote clock offset: 4.443 ms

Below is generated by plot.py at 2019-01-24 17:45:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 337.29 Mbit/s

95th percentile per-packet one-way delay: 177.527 ms

Loss rate: 0.72%

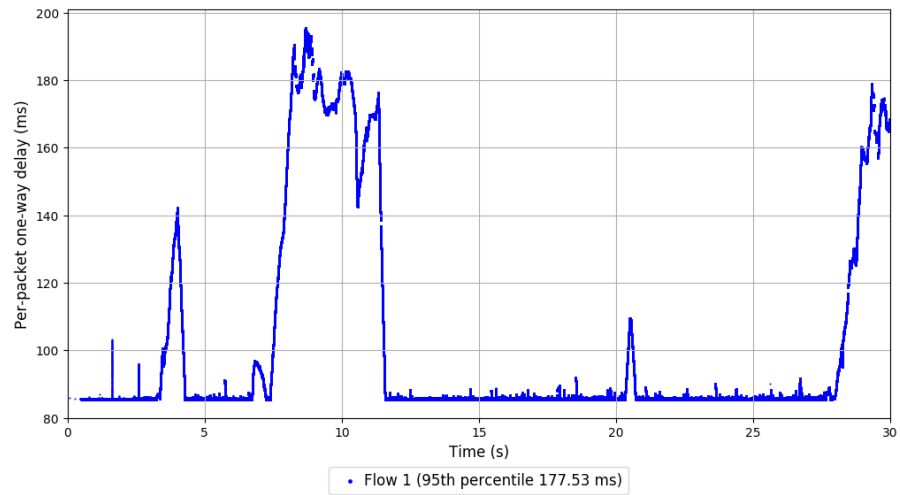
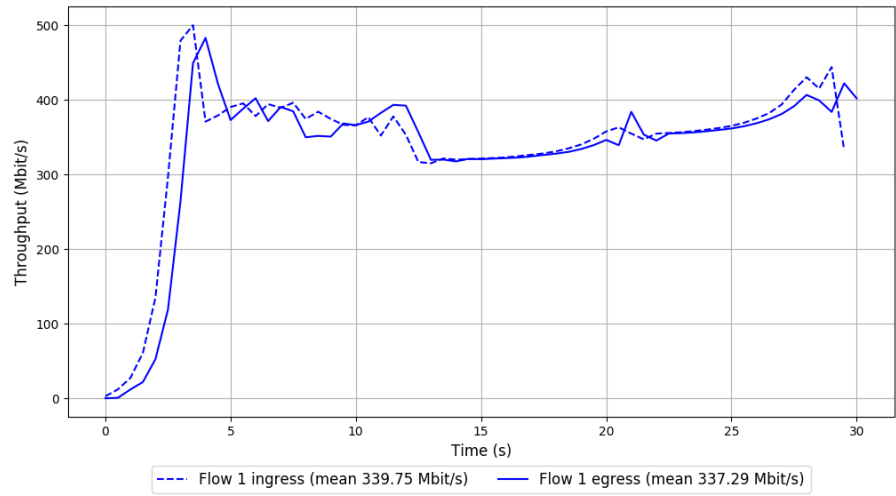
-- Flow 1:

Average throughput: 337.29 Mbit/s

95th percentile per-packet one-way delay: 177.527 ms

Loss rate: 0.72%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-01-24 13:25:13

End at: 2019-01-24 13:25:43

Local clock offset: 16.096 ms

Remote clock offset: 34.452 ms

Below is generated by plot.py at 2019-01-24 17:45:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.16 Mbit/s

95th percentile per-packet one-way delay: 85.502 ms

Loss rate: 0.00%

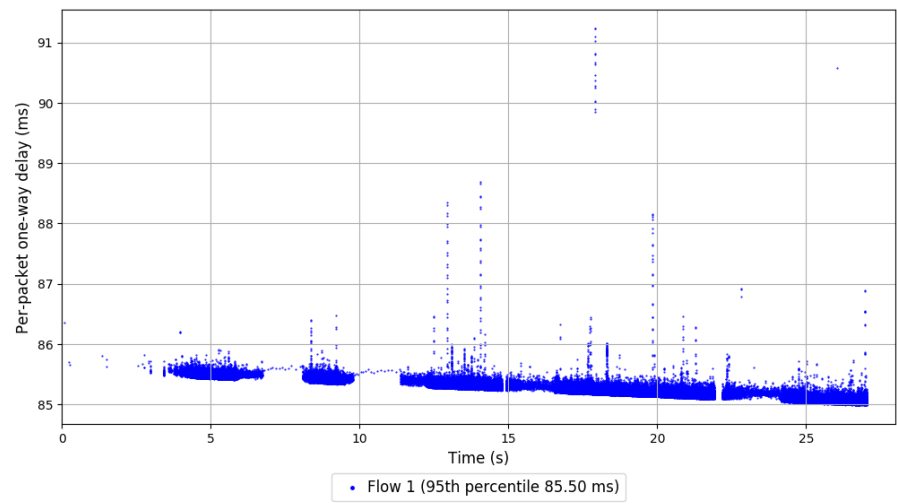
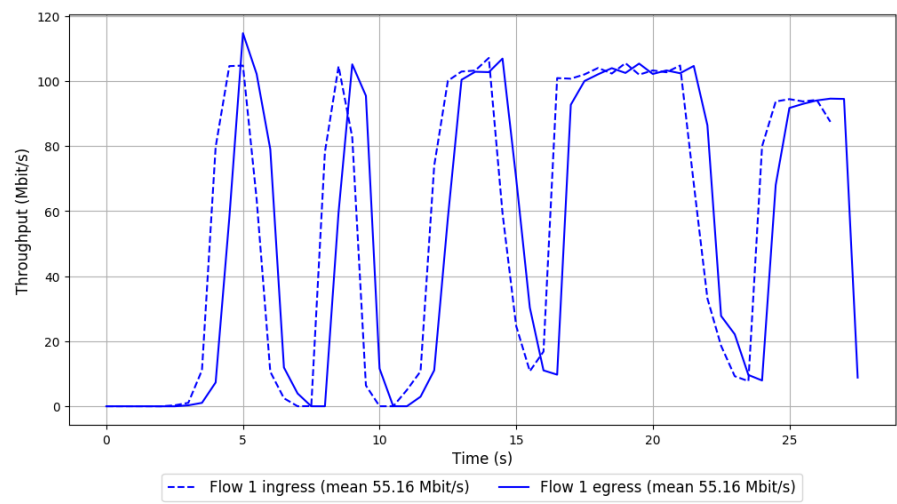
-- Flow 1:

Average throughput: 55.16 Mbit/s

95th percentile per-packet one-way delay: 85.502 ms

Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link

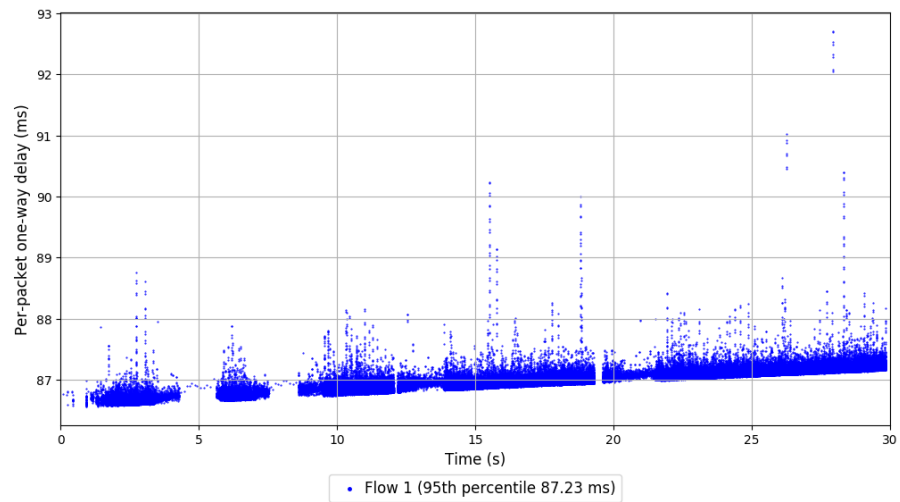
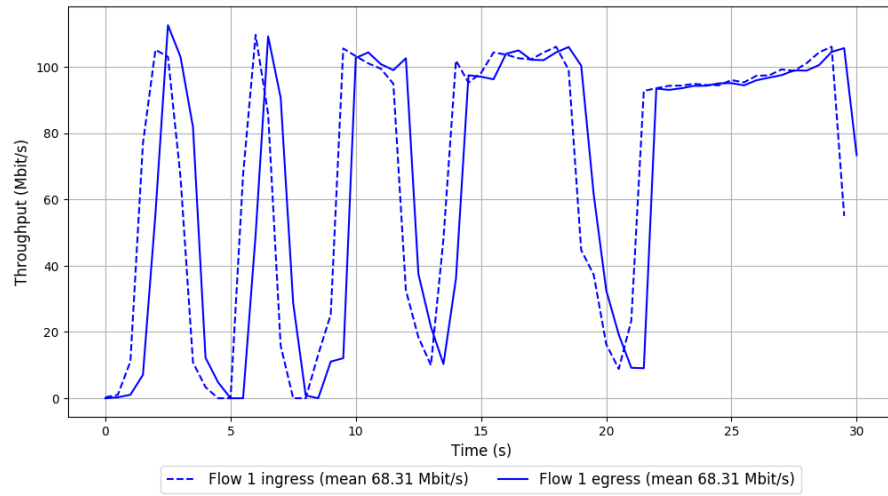


Run 2: Statistics of QUIC Cubic

Start at: 2019-01-24 13:57:21
End at: 2019-01-24 13:57:51
Local clock offset: 29.247 ms
Remote clock offset: 21.933 ms

Below is generated by plot.py at 2019-01-24 17:45:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.31 Mbit/s
95th percentile per-packet one-way delay: 87.230 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.31 Mbit/s
95th percentile per-packet one-way delay: 87.230 ms
Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-01-24 14:31:47

End at: 2019-01-24 14:32:17

Local clock offset: 16.314 ms

Remote clock offset: 23.076 ms

Below is generated by plot.py at 2019-01-24 17:45:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.68 Mbit/s

95th percentile per-packet one-way delay: 87.053 ms

Loss rate: 0.00%

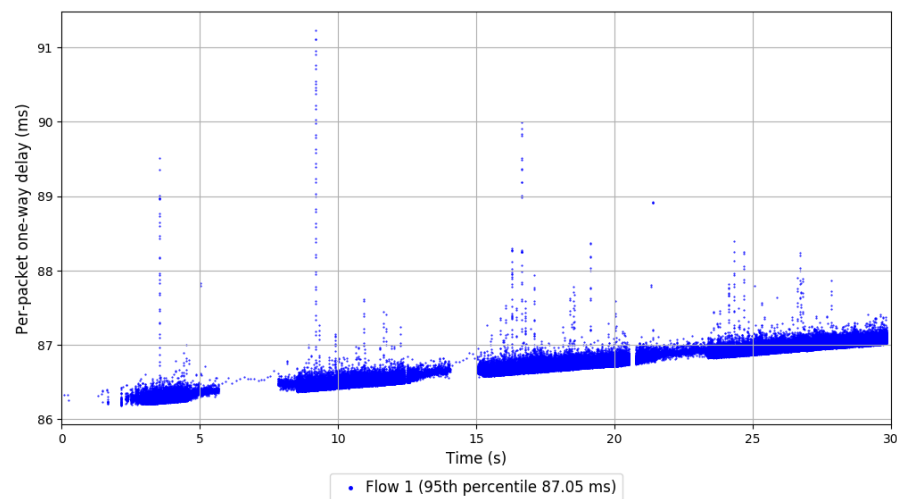
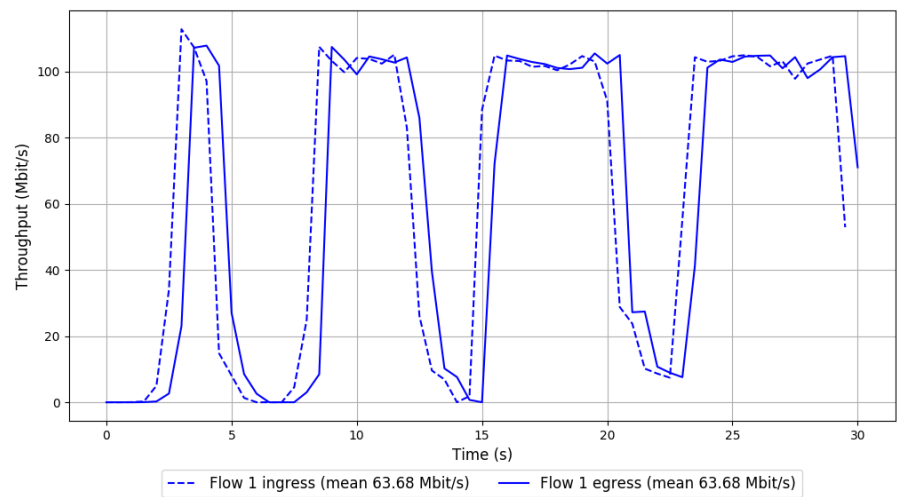
-- Flow 1:

Average throughput: 63.68 Mbit/s

95th percentile per-packet one-way delay: 87.053 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-01-24 15:04:10

End at: 2019-01-24 15:04:40

Local clock offset: 4.023 ms

Remote clock offset: 12.507 ms

Below is generated by plot.py at 2019-01-24 17:45:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.04 Mbit/s

95th percentile per-packet one-way delay: 86.780 ms

Loss rate: 0.00%

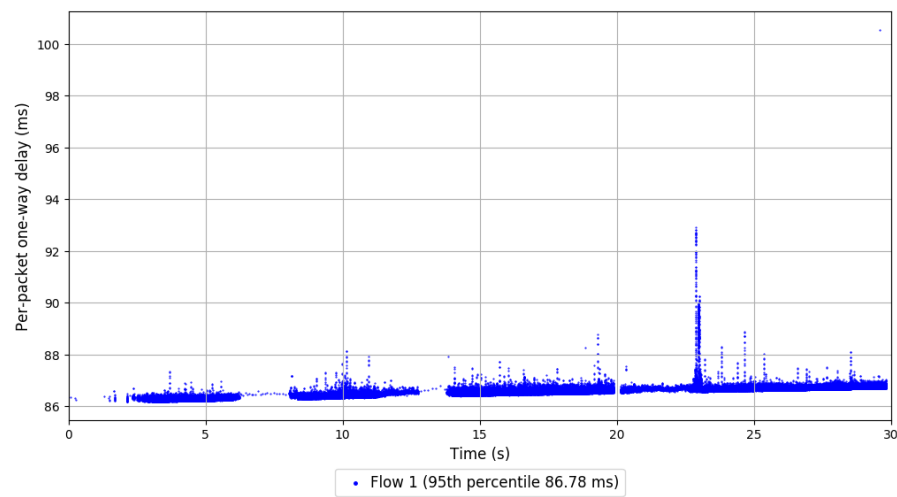
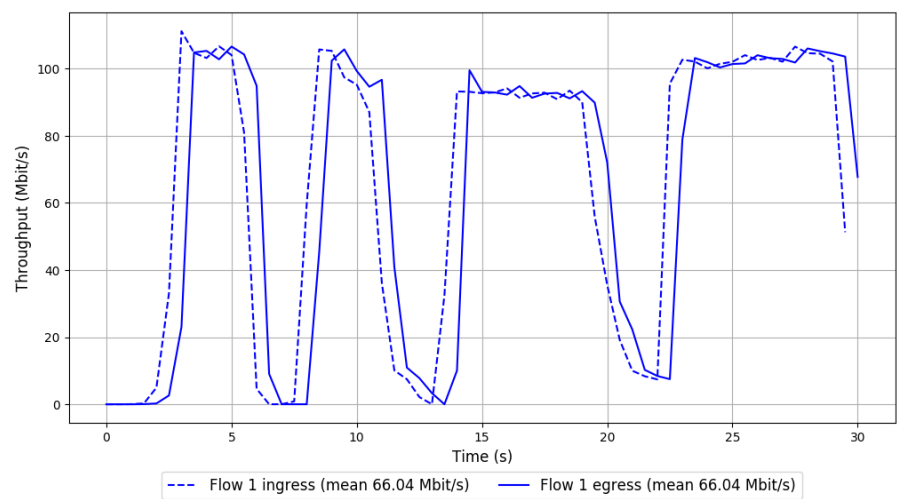
-- Flow 1:

Average throughput: 66.04 Mbit/s

95th percentile per-packet one-way delay: 86.780 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-01-24 15:36:28

End at: 2019-01-24 15:36:58

Local clock offset: 1.858 ms

Remote clock offset: 3.567 ms

Below is generated by plot.py at 2019-01-24 17:45:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.86 Mbit/s

95th percentile per-packet one-way delay: 85.910 ms

Loss rate: 0.00%

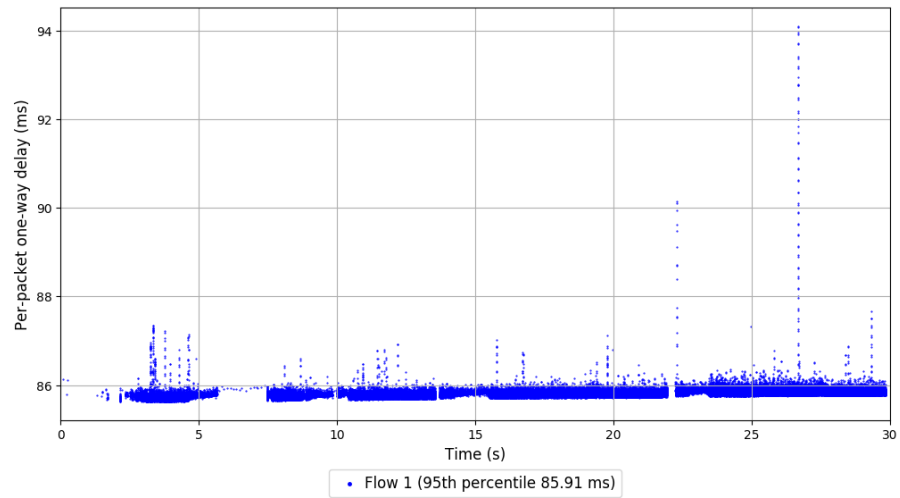
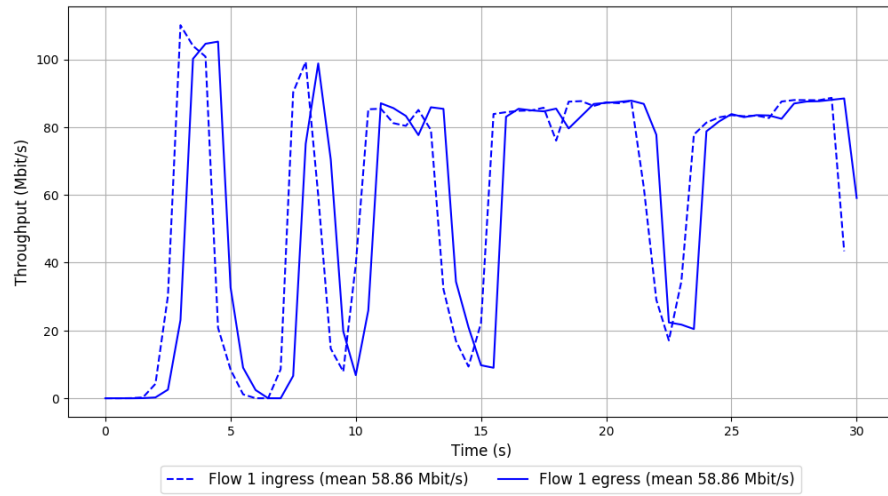
-- Flow 1:

Average throughput: 58.86 Mbit/s

95th percentile per-packet one-way delay: 85.910 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

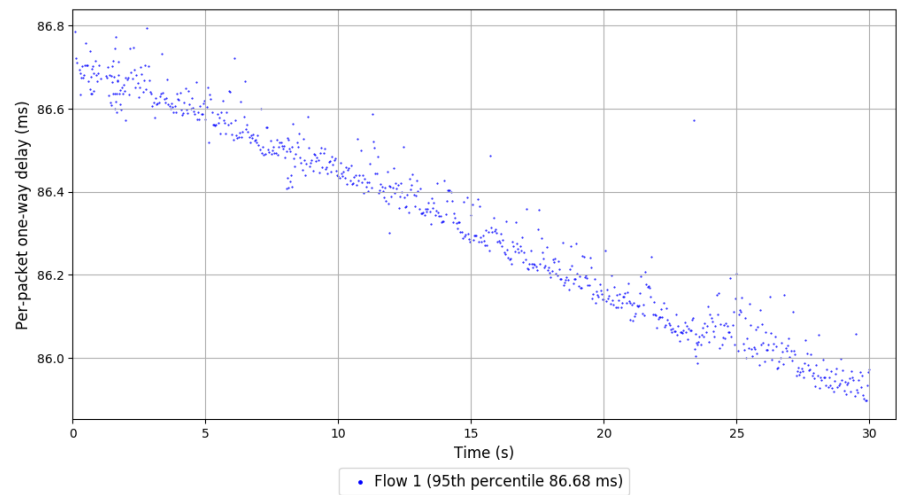
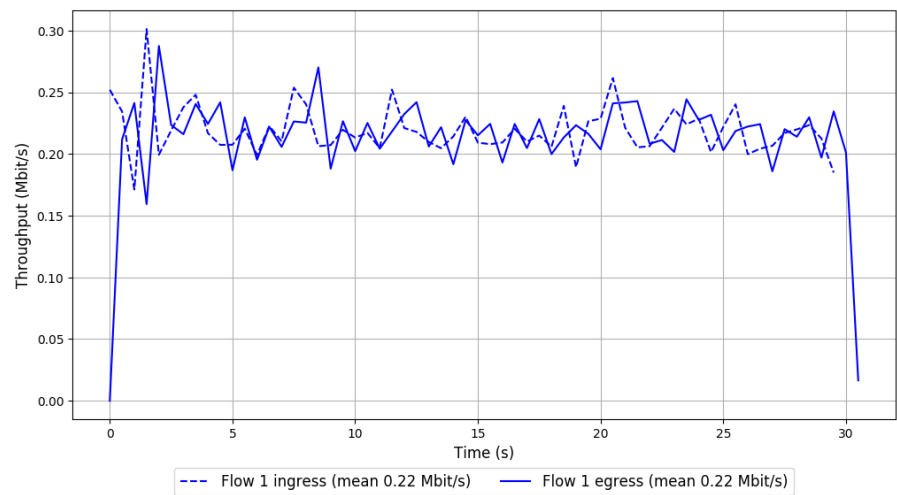


Run 1: Statistics of SCReAM

Start at: 2019-01-24 13:30:39
End at: 2019-01-24 13:31:09
Local clock offset: 22.23 ms
Remote clock offset: 49.403 ms

Below is generated by plot.py at 2019-01-24 17:45:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.679 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.679 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

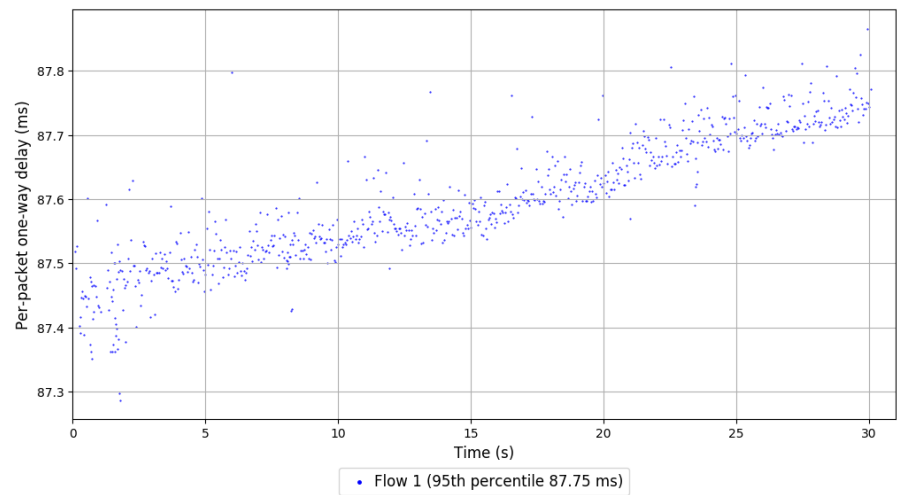
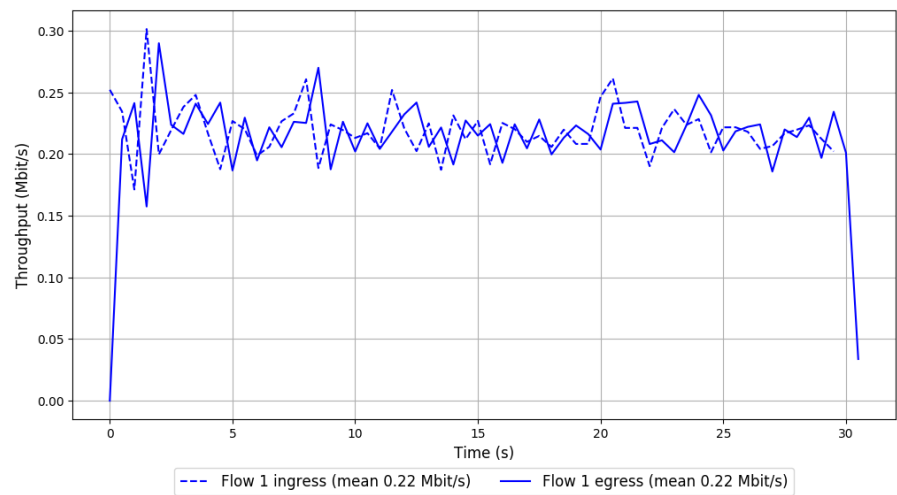


Run 2: Statistics of SCReAM

Start at: 2019-01-24 14:03:07
End at: 2019-01-24 14:03:37
Local clock offset: 34.639 ms
Remote clock offset: 22.208 ms

Below is generated by plot.py at 2019-01-24 17:45:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.748 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.748 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

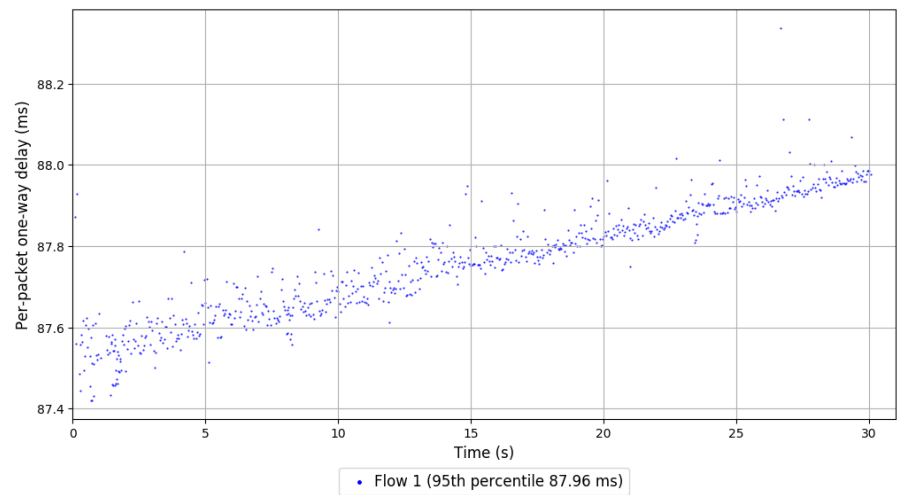
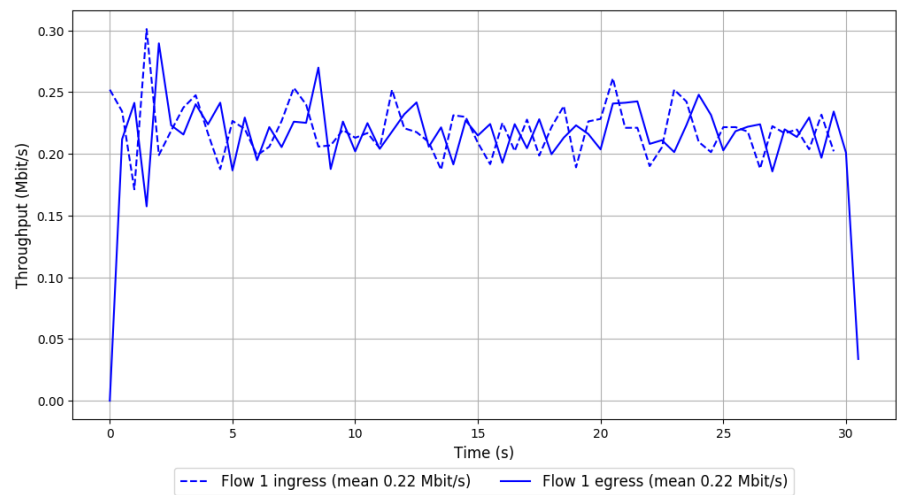


Run 3: Statistics of SCReAM

Start at: 2019-01-24 14:37:13
End at: 2019-01-24 14:37:43
Local clock offset: 17.684 ms
Remote clock offset: 17.773 ms

Below is generated by plot.py at 2019-01-24 17:45:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.963 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.963 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2019-01-24 15:09:36

End at: 2019-01-24 15:10:06

Local clock offset: 3.57 ms

Remote clock offset: 7.598 ms

Below is generated by plot.py at 2019-01-24 17:45:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.879 ms

Loss rate: 0.00%

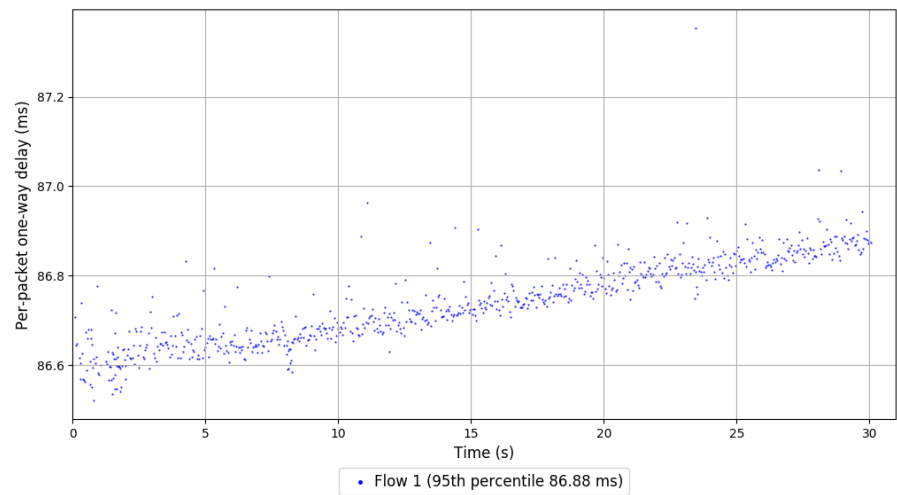
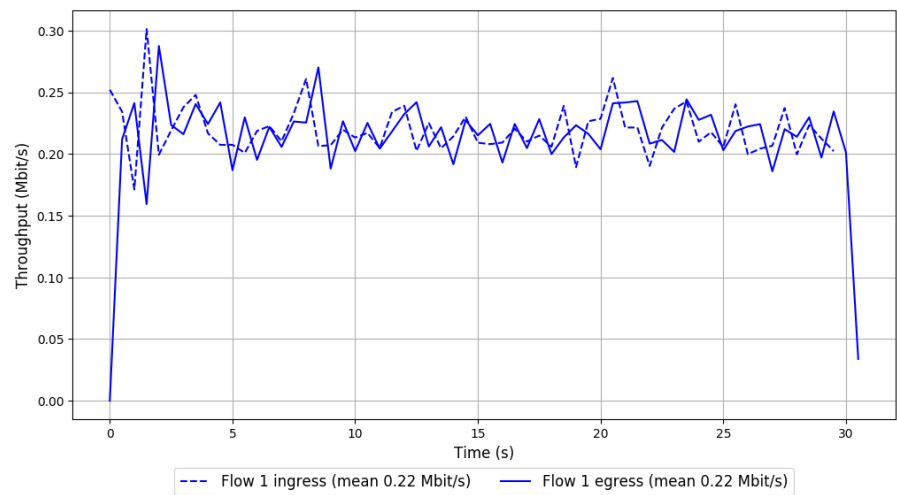
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.879 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2019-01-24 15:41:54

End at: 2019-01-24 15:42:24

Local clock offset: 2.04 ms

Remote clock offset: 2.21 ms

Below is generated by plot.py at 2019-01-24 17:45:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.212 ms

Loss rate: 0.00%

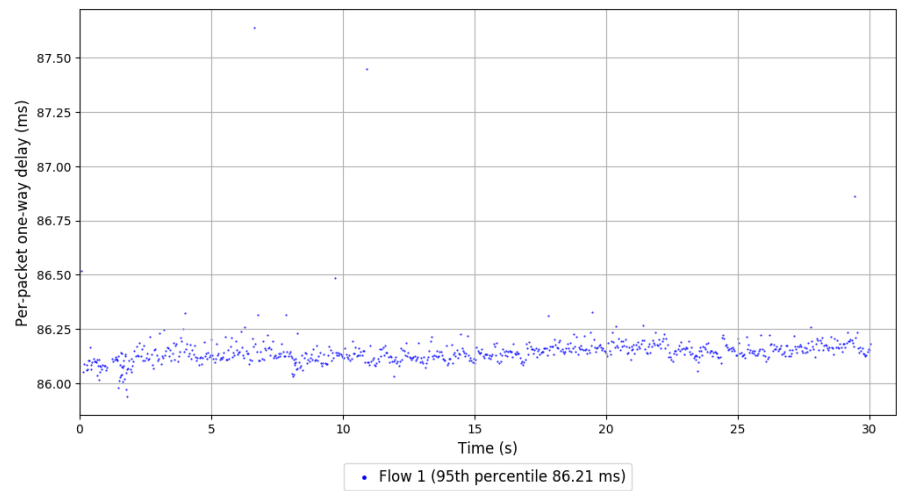
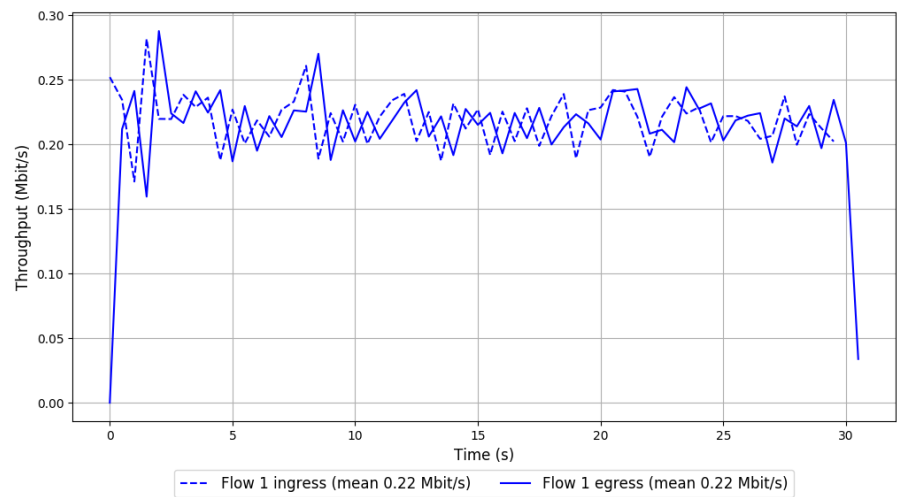
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.212 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

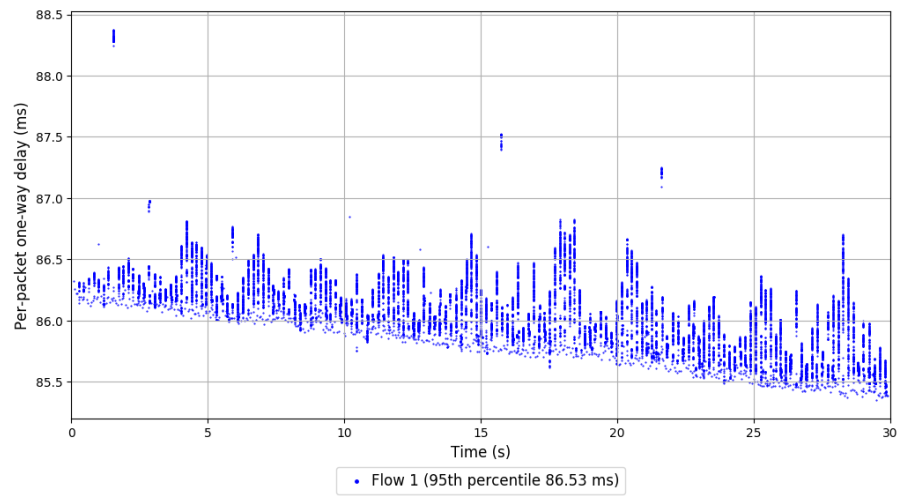
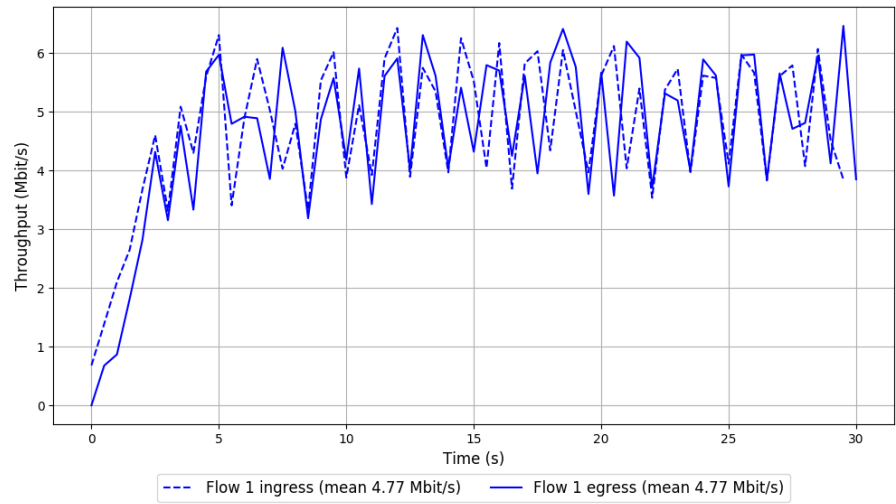


Run 1: Statistics of Sprout

Start at: 2019-01-24 13:29:29
End at: 2019-01-24 13:29:59
Local clock offset: 21.038 ms
Remote clock offset: 45.877 ms

Below is generated by plot.py at 2019-01-24 17:45:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.77 Mbit/s
95th percentile per-packet one-way delay: 86.529 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.77 Mbit/s
95th percentile per-packet one-way delay: 86.529 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

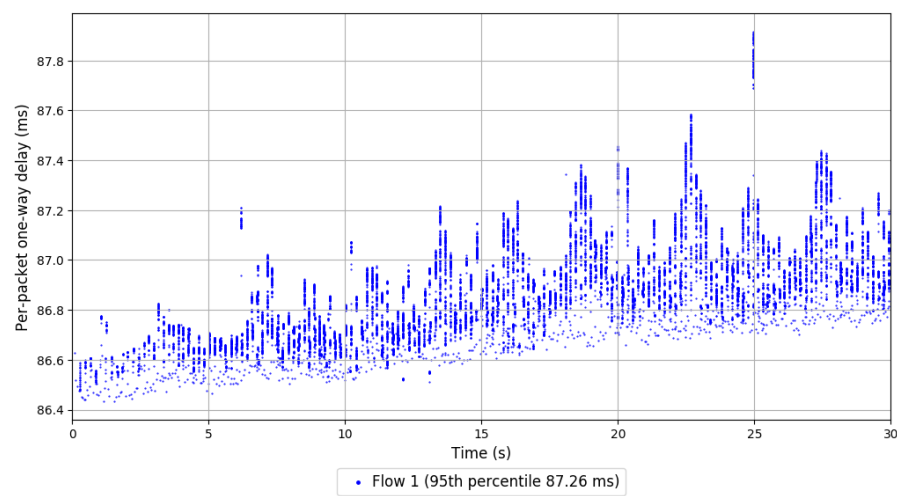
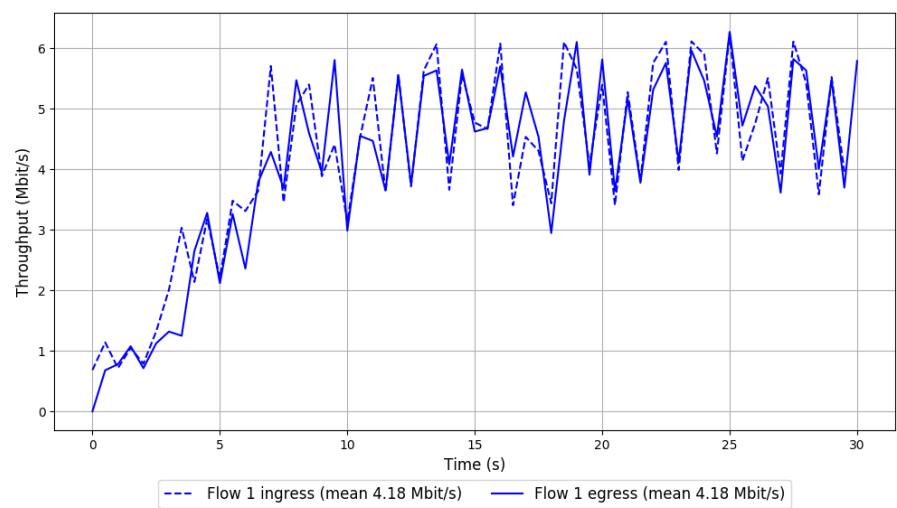


Run 2: Statistics of Sprout

Start at: 2019-01-24 14:01:57
End at: 2019-01-24 14:02:27
Local clock offset: 33.737 ms
Remote clock offset: 21.896 ms

Below is generated by plot.py at 2019-01-24 17:45:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.18 Mbit/s
95th percentile per-packet one-way delay: 87.259 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.18 Mbit/s
95th percentile per-packet one-way delay: 87.259 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

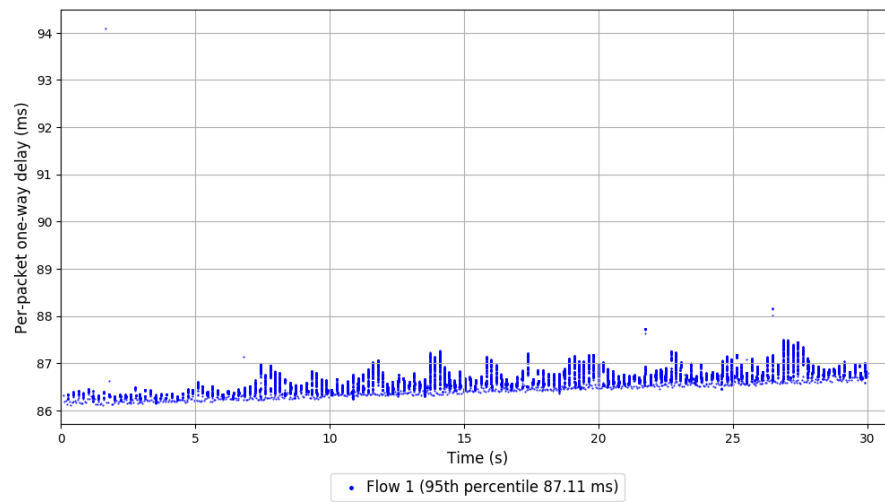
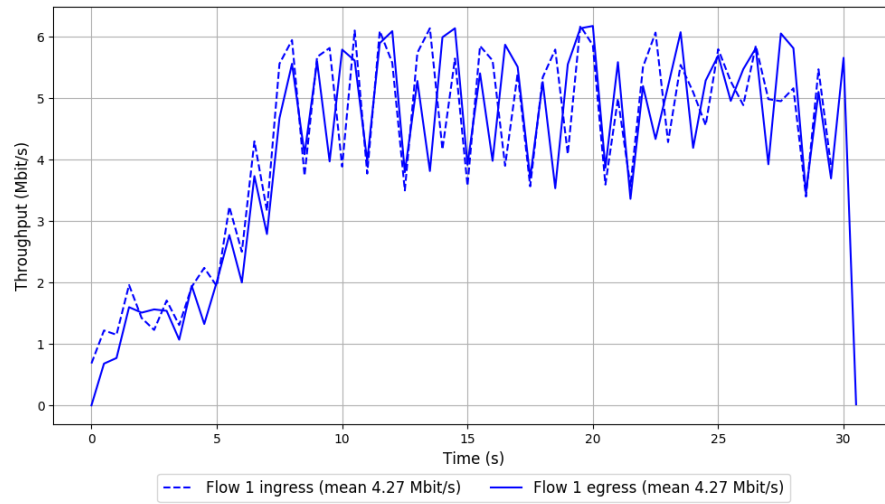


Run 3: Statistics of Sprout

Start at: 2019-01-24 14:36:03
End at: 2019-01-24 14:36:33
Local clock offset: 17.728 ms
Remote clock offset: 18.378 ms

Below is generated by plot.py at 2019-01-24 17:45:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.27 Mbit/s
95th percentile per-packet one-way delay: 87.108 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.27 Mbit/s
95th percentile per-packet one-way delay: 87.108 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2019-01-24 15:08:26

End at: 2019-01-24 15:08:56

Local clock offset: 3.979 ms

Remote clock offset: 8.233 ms

Below is generated by plot.py at 2019-01-24 17:45:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.71 Mbit/s

95th percentile per-packet one-way delay: 86.877 ms

Loss rate: 0.00%

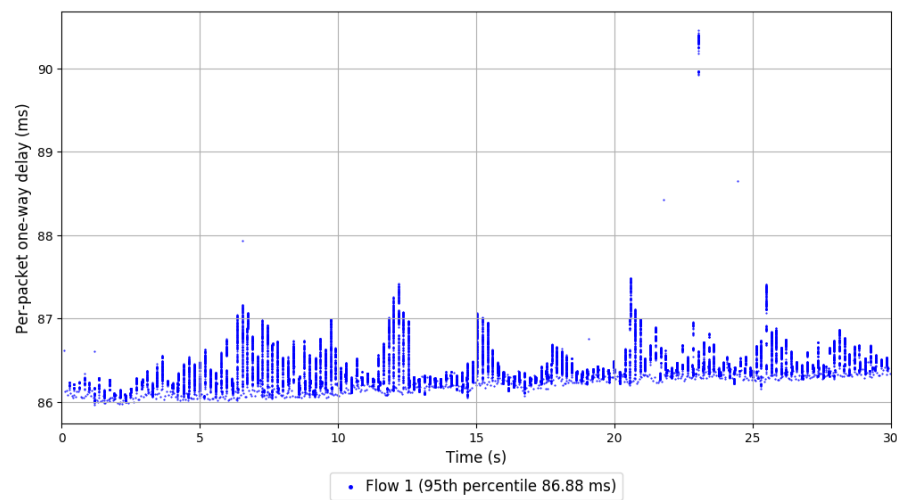
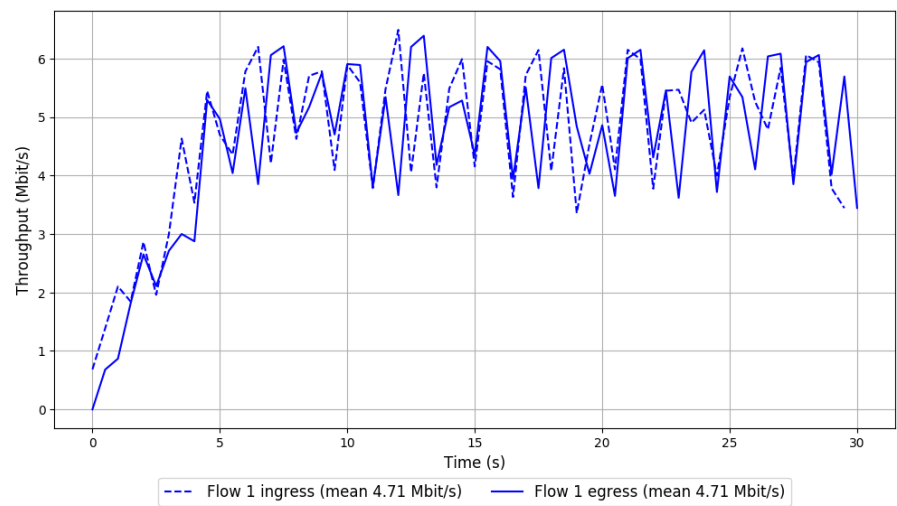
-- Flow 1:

Average throughput: 4.71 Mbit/s

95th percentile per-packet one-way delay: 86.877 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2019-01-24 15:40:44

End at: 2019-01-24 15:41:14

Local clock offset: 1.737 ms

Remote clock offset: 2.401 ms

Below is generated by plot.py at 2019-01-24 17:45:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.33 Mbit/s

95th percentile per-packet one-way delay: 86.652 ms

Loss rate: 0.00%

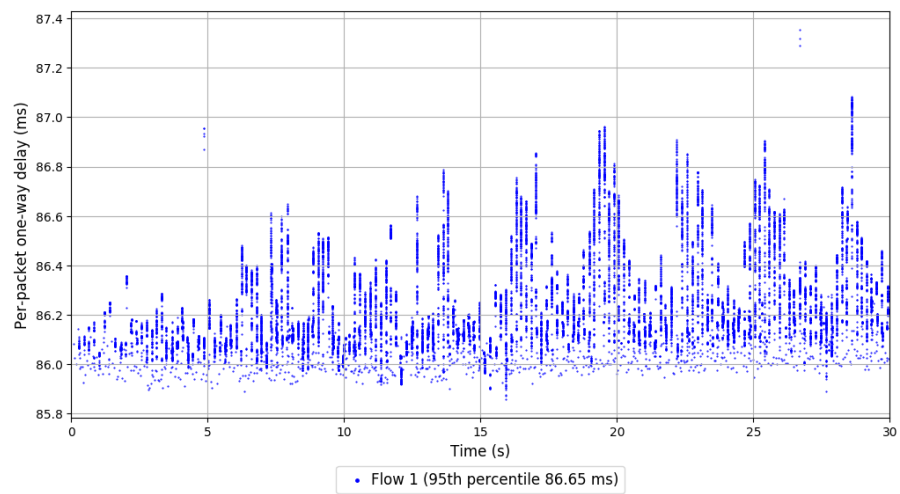
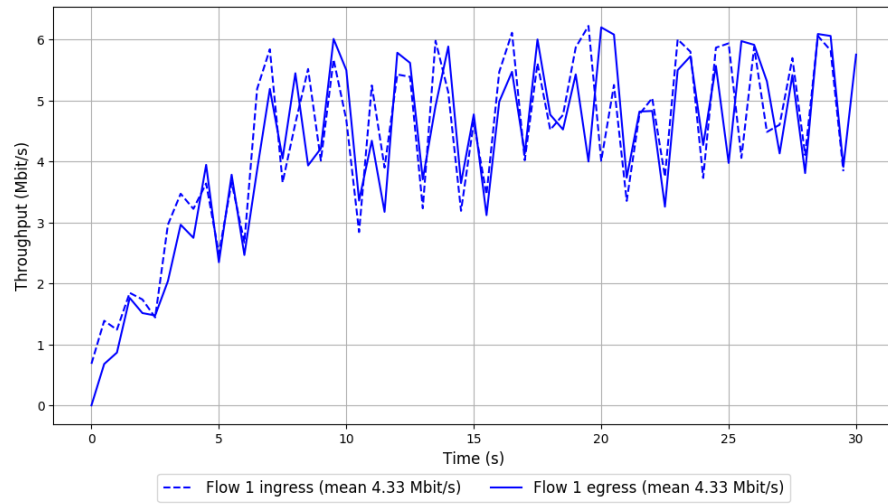
-- Flow 1:

Average throughput: 4.33 Mbit/s

95th percentile per-packet one-way delay: 86.652 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2019-01-24 13:03:05

End at: 2019-01-24 13:03:35

Local clock offset: 6.19 ms

Remote clock offset: 13.109 ms

Below is generated by plot.py at 2019-01-24 17:45:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.19 Mbit/s

95th percentile per-packet one-way delay: 86.164 ms

Loss rate: 0.00%

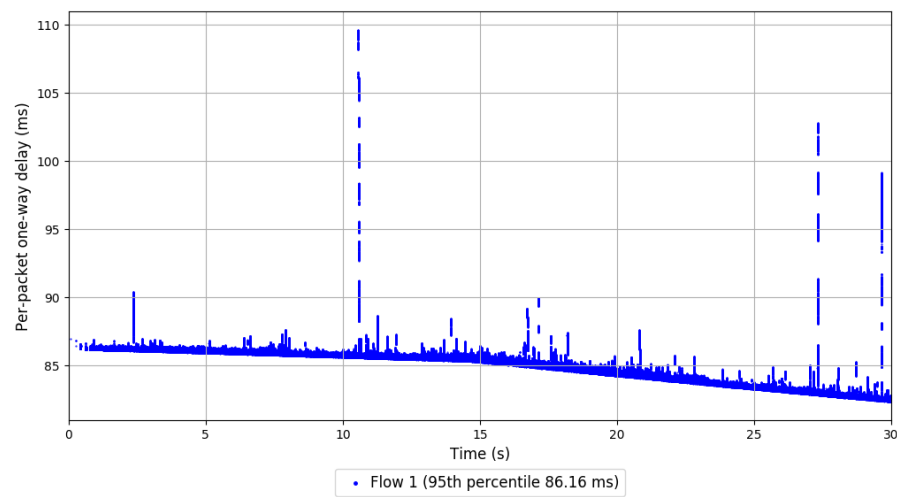
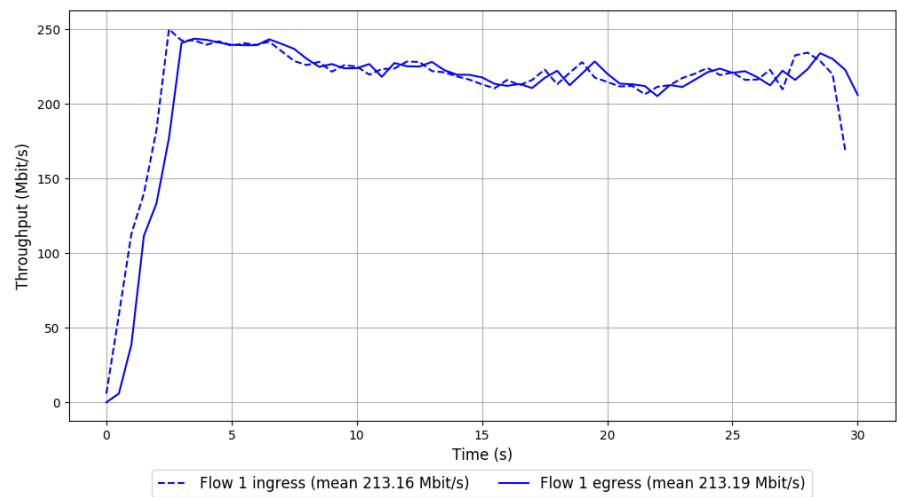
-- Flow 1:

Average throughput: 213.19 Mbit/s

95th percentile per-packet one-way delay: 86.164 ms

Loss rate: 0.00%

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

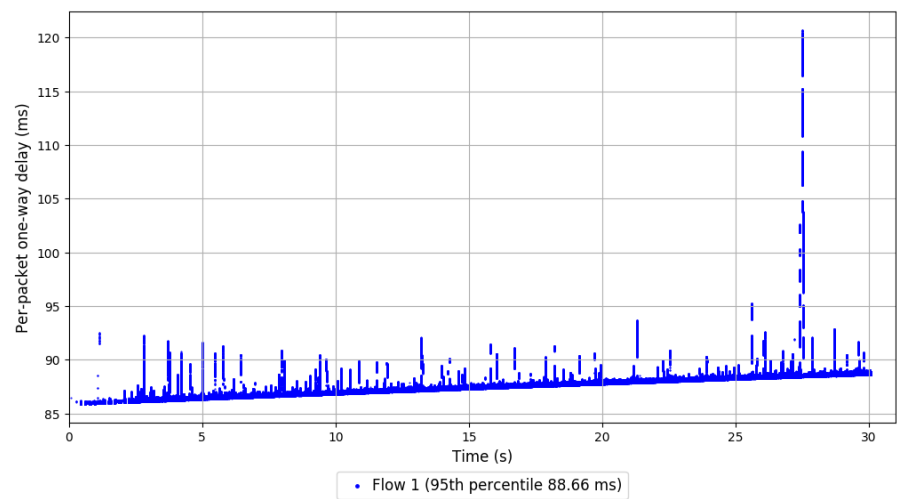
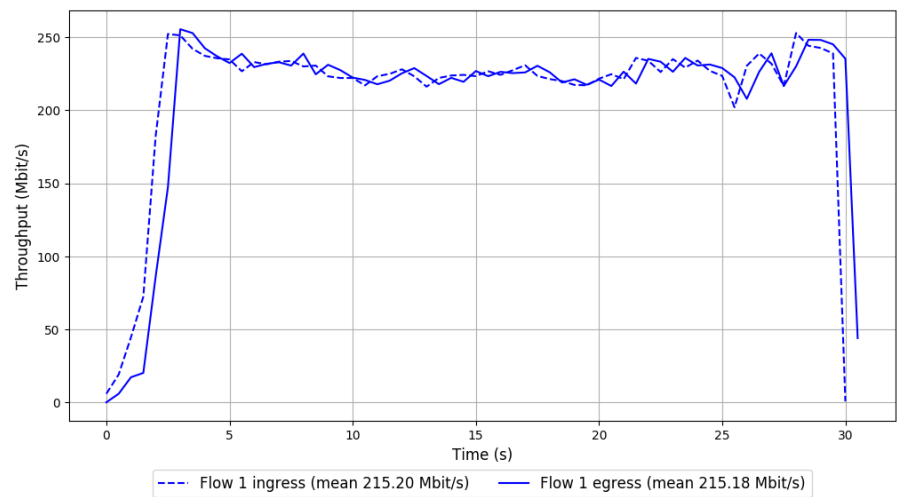


Run 2: Statistics of TaoVA-100x

Start at: 2019-01-24 13:35:18
End at: 2019-01-24 13:35:48
Local clock offset: 24.348 ms
Remote clock offset: 41.869 ms

Below is generated by plot.py at 2019-01-24 17:45:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 215.18 Mbit/s
95th percentile per-packet one-way delay: 88.659 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 215.18 Mbit/s
95th percentile per-packet one-way delay: 88.659 ms
Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-01-24 14:08:07

End at: 2019-01-24 14:08:37

Local clock offset: 38.823 ms

Remote clock offset: 25.354 ms

Below is generated by plot.py at 2019-01-24 17:45:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.72 Mbit/s

95th percentile per-packet one-way delay: 83.724 ms

Loss rate: 0.00%

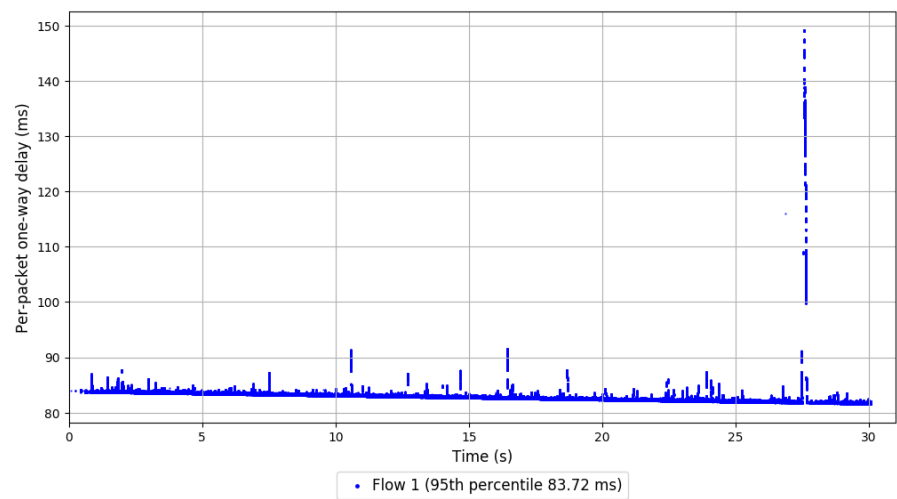
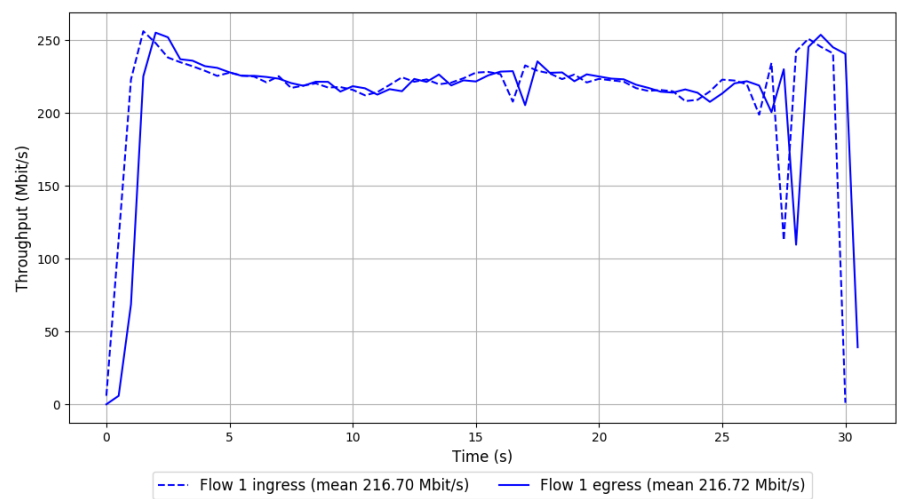
-- Flow 1:

Average throughput: 216.72 Mbit/s

95th percentile per-packet one-way delay: 83.724 ms

Loss rate: 0.00%

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

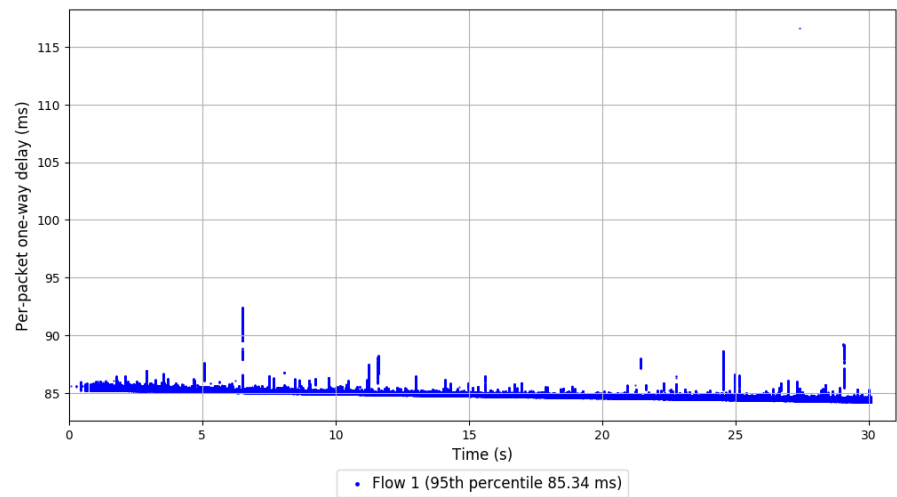
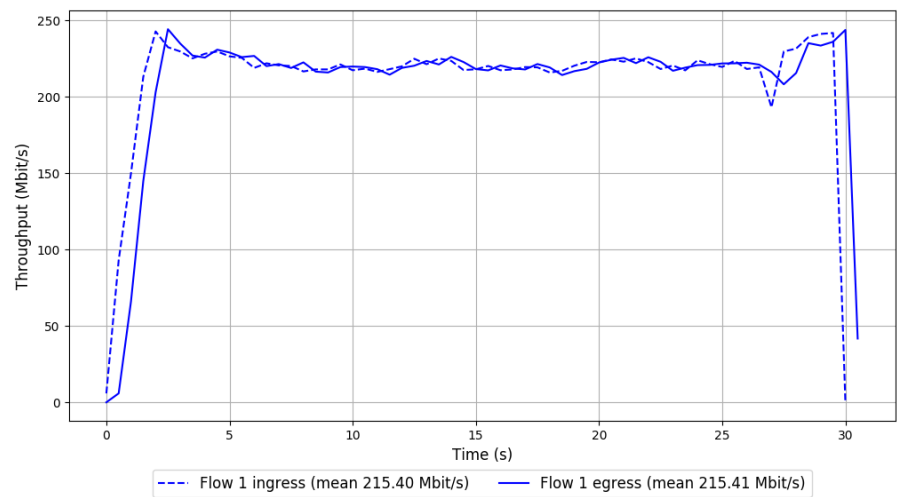


Run 4: Statistics of TaoVA-100x

Start at: 2019-01-24 14:41:51
End at: 2019-01-24 14:42:21
Local clock offset: 19.842 ms
Remote clock offset: 16.137 ms

Below is generated by plot.py at 2019-01-24 17:45:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 215.41 Mbit/s
95th percentile per-packet one-way delay: 85.345 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 215.41 Mbit/s
95th percentile per-packet one-way delay: 85.345 ms
Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2019-01-24 15:14:14

End at: 2019-01-24 15:14:44

Local clock offset: 4.601 ms

Remote clock offset: 5.539 ms

Below is generated by plot.py at 2019-01-24 17:46:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.54 Mbit/s

95th percentile per-packet one-way delay: 86.329 ms

Loss rate: 0.00%

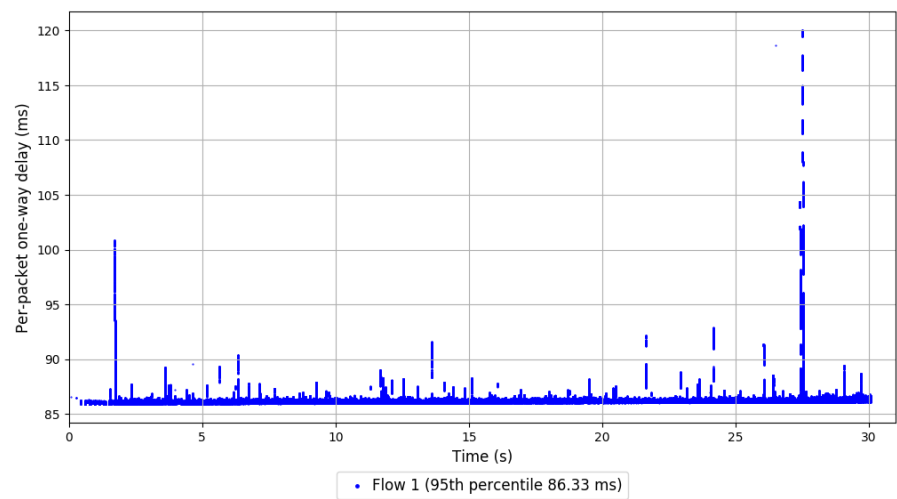
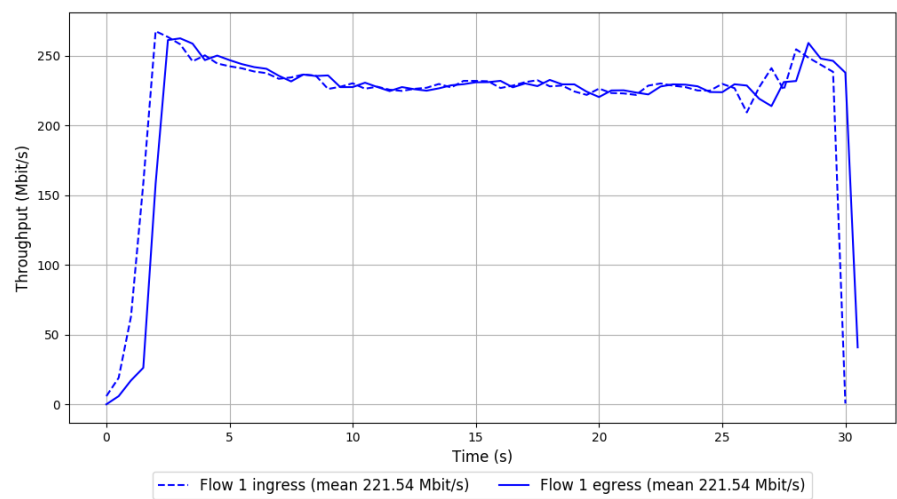
-- Flow 1:

Average throughput: 221.54 Mbit/s

95th percentile per-packet one-way delay: 86.329 ms

Loss rate: 0.00%

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

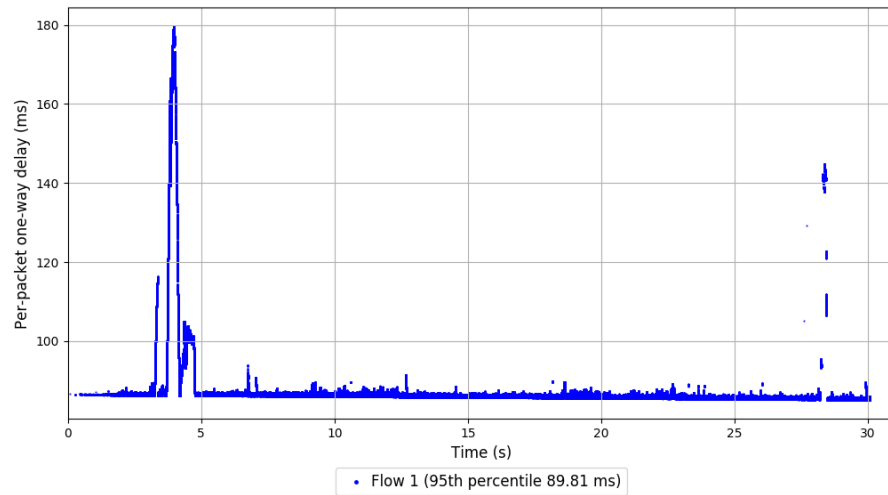
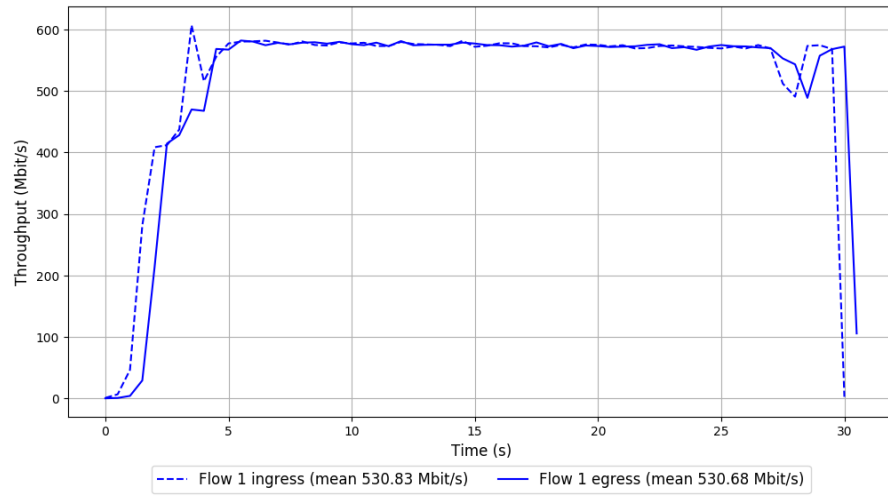


Run 1: Statistics of TCP Vegas

Start at: 2019-01-24 13:06:15
End at: 2019-01-24 13:06:45
Local clock offset: 7.725 ms
Remote clock offset: 17.105 ms

Below is generated by plot.py at 2019-01-24 17:48:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 530.68 Mbit/s
95th percentile per-packet one-way delay: 89.805 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 530.68 Mbit/s
95th percentile per-packet one-way delay: 89.805 ms
Loss rate: 0.03%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2019-01-24 13:38:27

End at: 2019-01-24 13:38:57

Local clock offset: 20.756 ms

Remote clock offset: 26.76 ms

Below is generated by plot.py at 2019-01-24 17:55:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 593.84 Mbit/s

95th percentile per-packet one-way delay: 105.018 ms

Loss rate: 0.03%

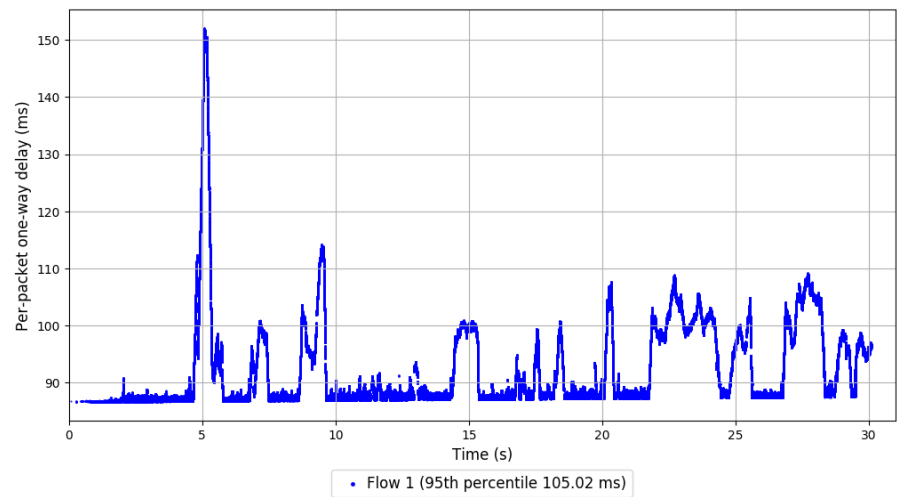
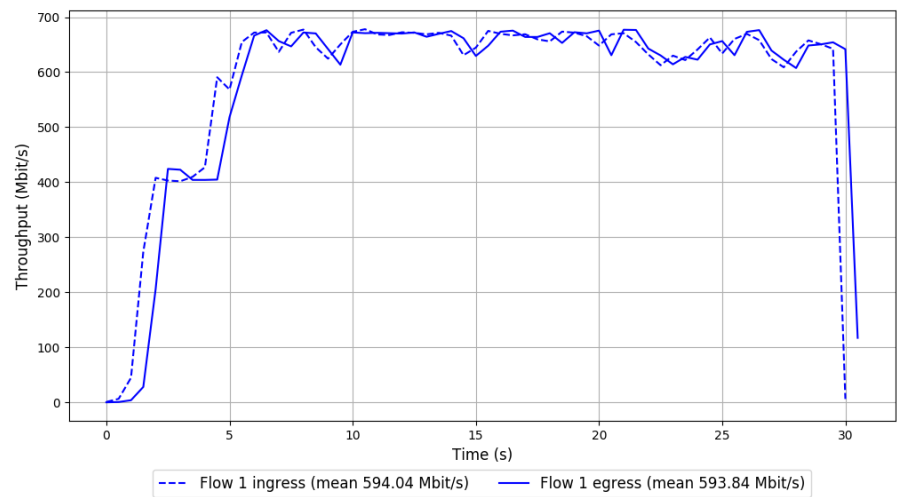
-- Flow 1:

Average throughput: 593.84 Mbit/s

95th percentile per-packet one-way delay: 105.018 ms

Loss rate: 0.03%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2019-01-24 14:11:27

End at: 2019-01-24 14:11:58

Local clock offset: 27.437 ms

Remote clock offset: 28.32 ms

Below is generated by plot.py at 2019-01-24 17:55:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 516.39 Mbit/s

95th percentile per-packet one-way delay: 111.121 ms

Loss rate: 0.26%

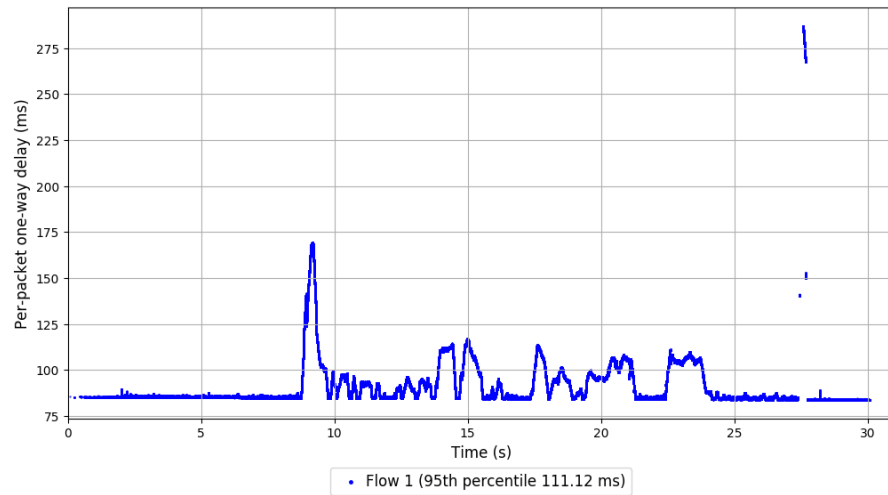
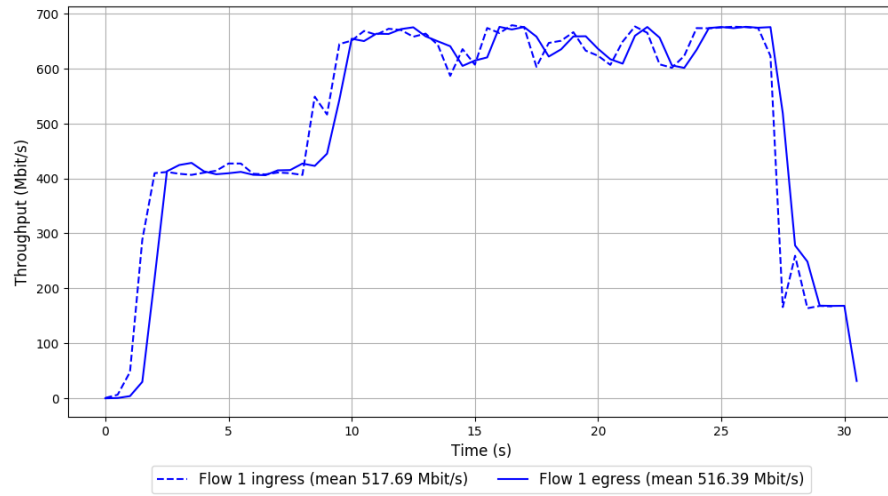
-- Flow 1:

Average throughput: 516.39 Mbit/s

95th percentile per-packet one-way delay: 111.121 ms

Loss rate: 0.26%

Run 3: Report of TCP Vegas — Data Link

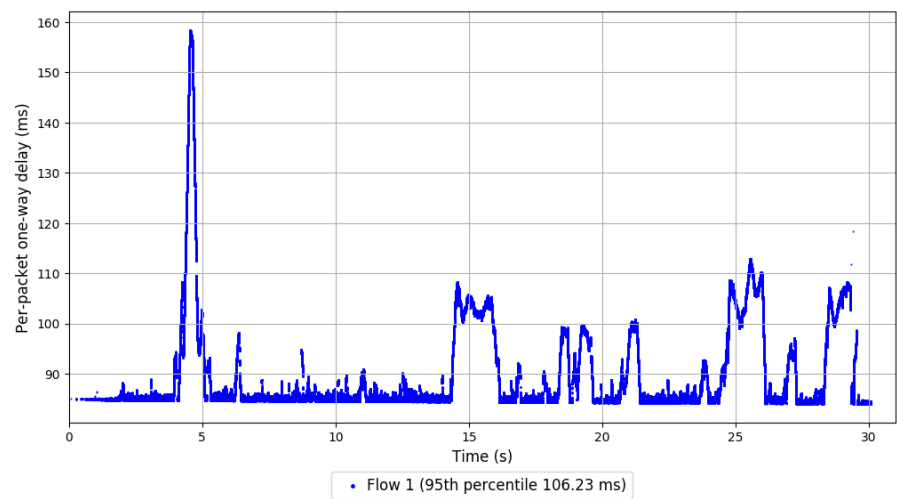
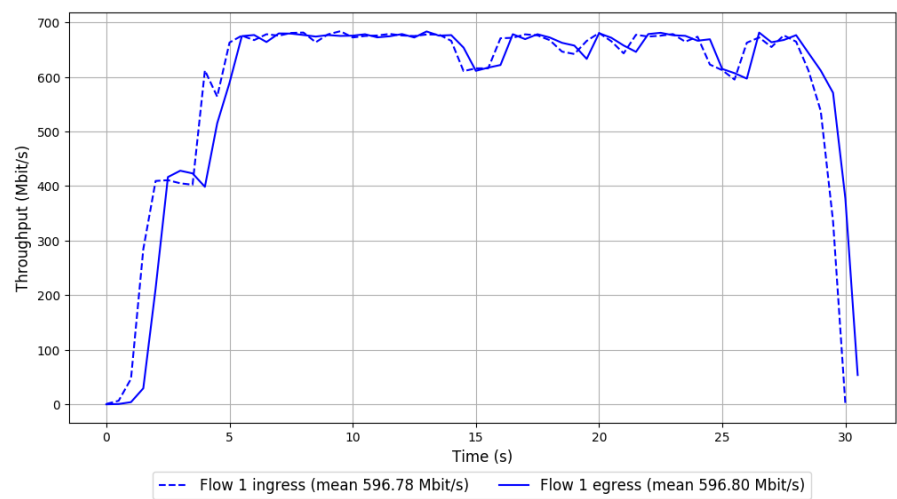


Run 4: Statistics of TCP Vegas

Start at: 2019-01-24 14:44:55
End at: 2019-01-24 14:45:25
Local clock offset: 14.939 ms
Remote clock offset: 16.426 ms

Below is generated by plot.py at 2019-01-24 17:57:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 596.80 Mbit/s
95th percentile per-packet one-way delay: 106.229 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 596.80 Mbit/s
95th percentile per-packet one-way delay: 106.229 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2019-01-24 15:17:36

End at: 2019-01-24 15:18:06

Local clock offset: 3.92 ms

Remote clock offset: 4.861 ms

Below is generated by plot.py at 2019-01-24 17:57:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 265.74 Mbit/s

95th percentile per-packet one-way delay: 86.538 ms

Loss rate: 0.00%

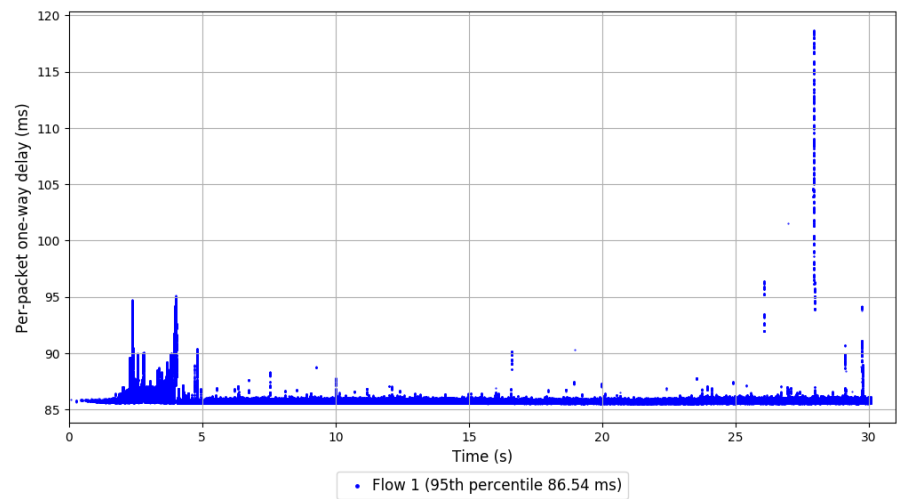
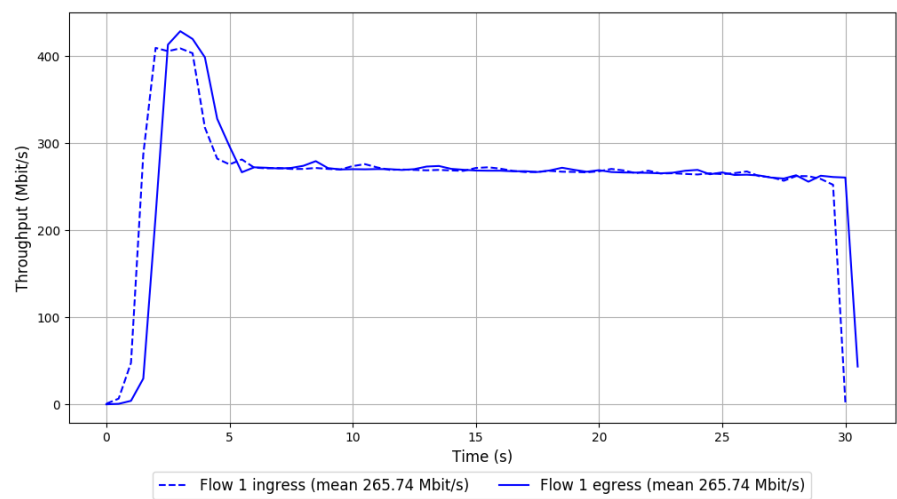
-- Flow 1:

Average throughput: 265.74 Mbit/s

95th percentile per-packet one-way delay: 86.538 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

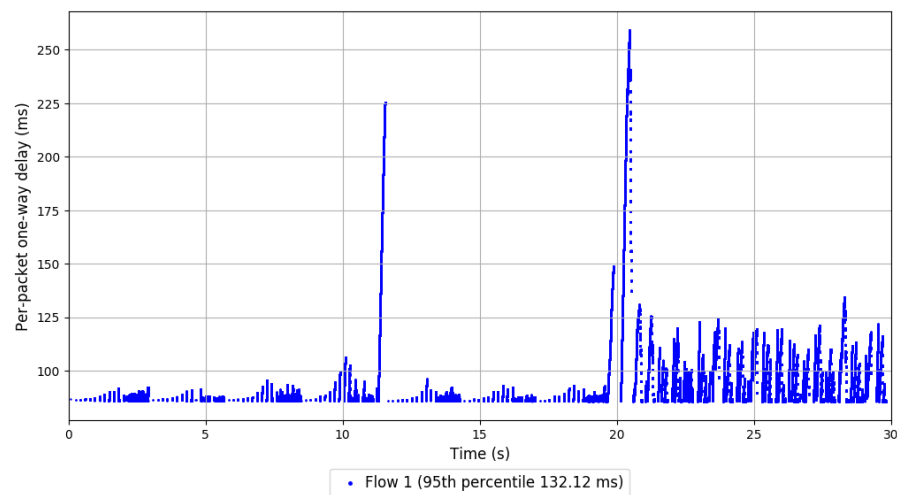
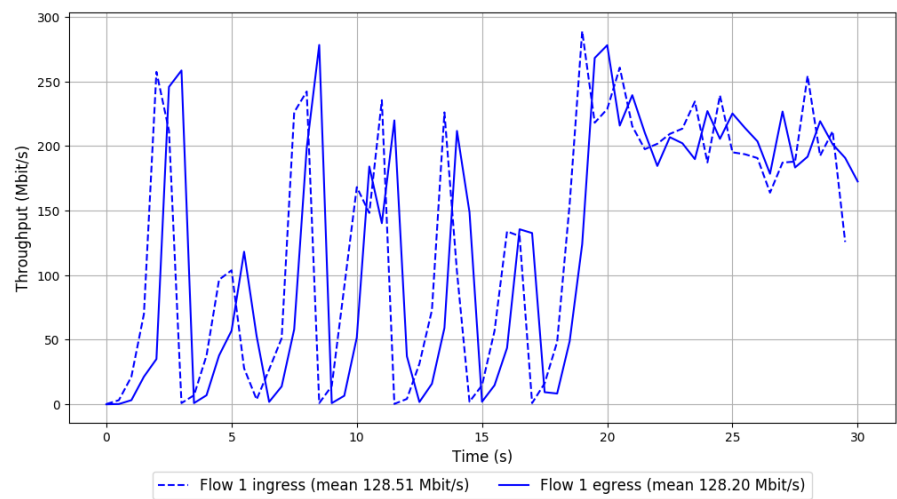


Run 1: Statistics of Verus

Start at: 2019-01-24 13:26:25
End at: 2019-01-24 13:26:55
Local clock offset: 17.261 ms
Remote clock offset: 37.368 ms

Below is generated by plot.py at 2019-01-24 17:57:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 128.20 Mbit/s
95th percentile per-packet one-way delay: 132.124 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 128.20 Mbit/s
95th percentile per-packet one-way delay: 132.124 ms
Loss rate: 0.25%

Run 1: Report of Verus — Data Link

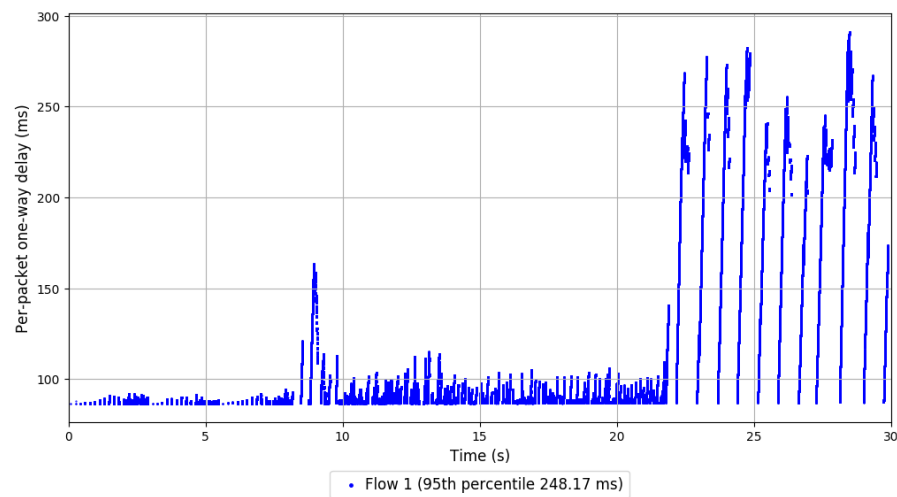
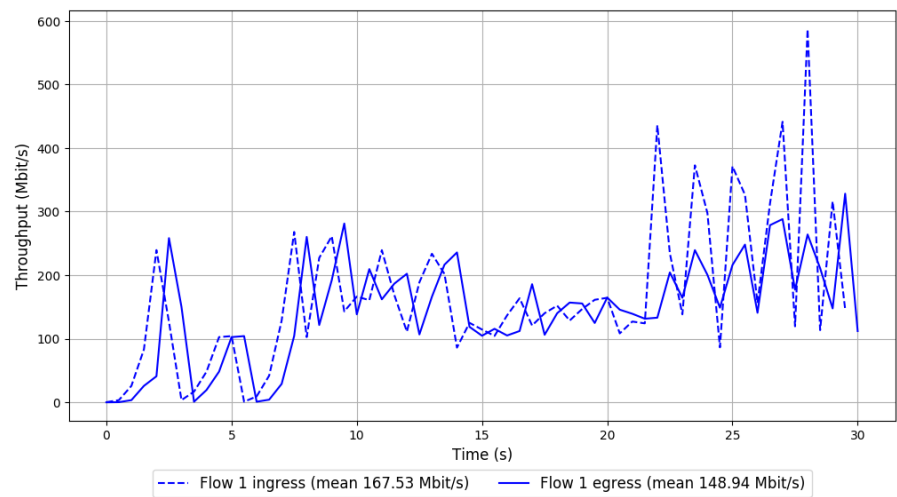


Run 2: Statistics of Verus

Start at: 2019-01-24 13:58:35
End at: 2019-01-24 13:59:05
Local clock offset: 30.233 ms
Remote clock offset: 21.565 ms

Below is generated by plot.py at 2019-01-24 17:57:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 148.94 Mbit/s
95th percentile per-packet one-way delay: 248.167 ms
Loss rate: 10.90%
-- Flow 1:
Average throughput: 148.94 Mbit/s
95th percentile per-packet one-way delay: 248.167 ms
Loss rate: 10.90%

Run 2: Report of Verus — Data Link

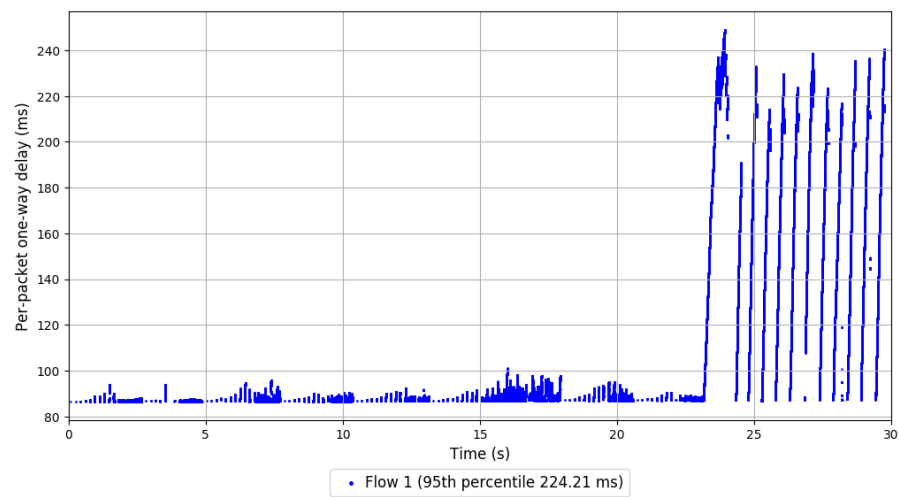
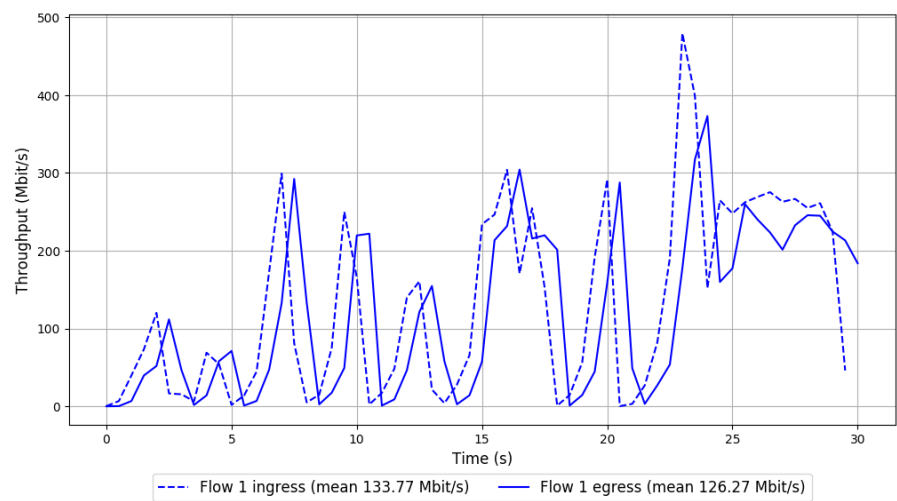


Run 3: Statistics of Verus

Start at: 2019-01-24 14:33:00
End at: 2019-01-24 14:33:30
Local clock offset: 16.329 ms
Remote clock offset: 21.493 ms

Below is generated by plot.py at 2019-01-24 17:57:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 126.27 Mbit/s
95th percentile per-packet one-way delay: 224.209 ms
Loss rate: 5.19%
-- Flow 1:
Average throughput: 126.27 Mbit/s
95th percentile per-packet one-way delay: 224.209 ms
Loss rate: 5.19%

Run 3: Report of Verus — Data Link

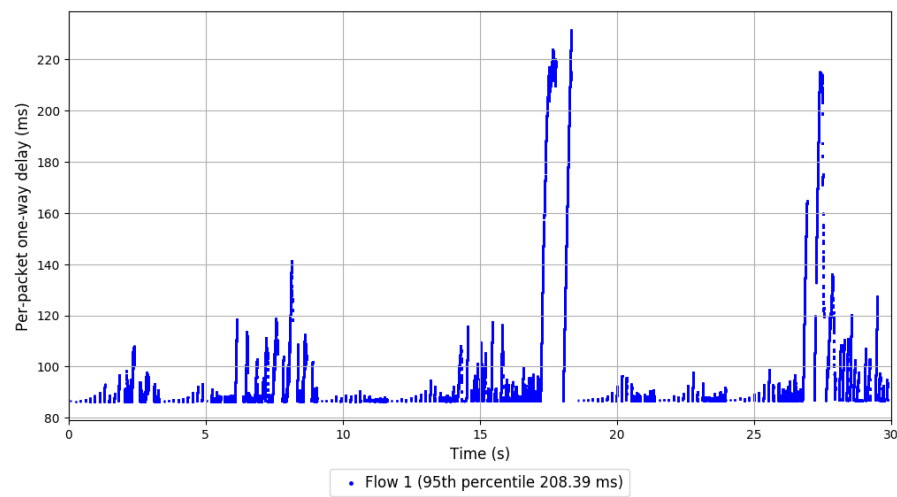
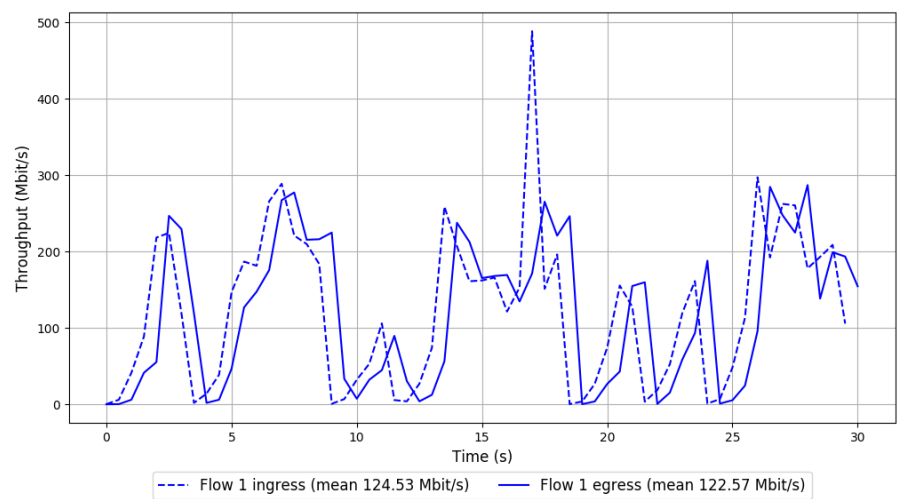


Run 4: Statistics of Verus

Start at: 2019-01-24 15:05:23
End at: 2019-01-24 15:05:53
Local clock offset: 3.765 ms
Remote clock offset: 10.943 ms

Below is generated by plot.py at 2019-01-24 17:57:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 122.57 Mbit/s
95th percentile per-packet one-way delay: 208.392 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 122.57 Mbit/s
95th percentile per-packet one-way delay: 208.392 ms
Loss rate: 1.58%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2019-01-24 15:37:41

End at: 2019-01-24 15:38:11

Local clock offset: 1.053 ms

Remote clock offset: 3.07 ms

Below is generated by plot.py at 2019-01-24 17:57:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 137.46 Mbit/s

95th percentile per-packet one-way delay: 102.042 ms

Loss rate: 0.02%

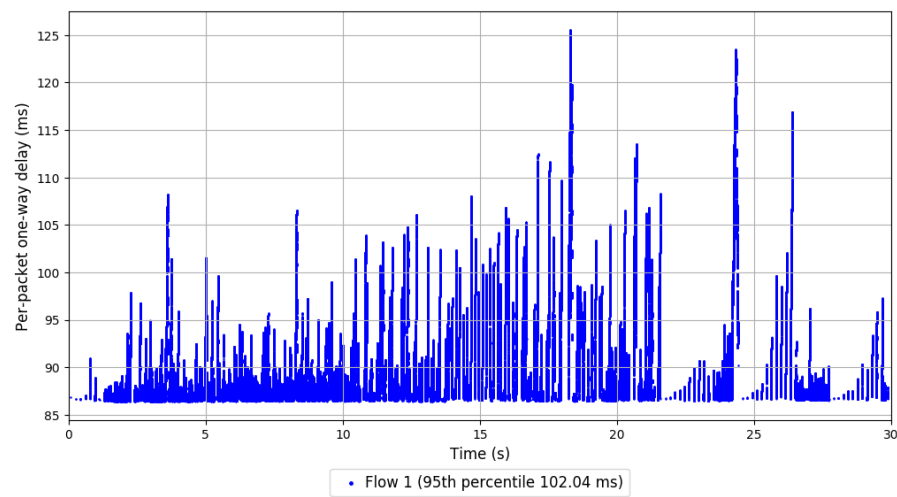
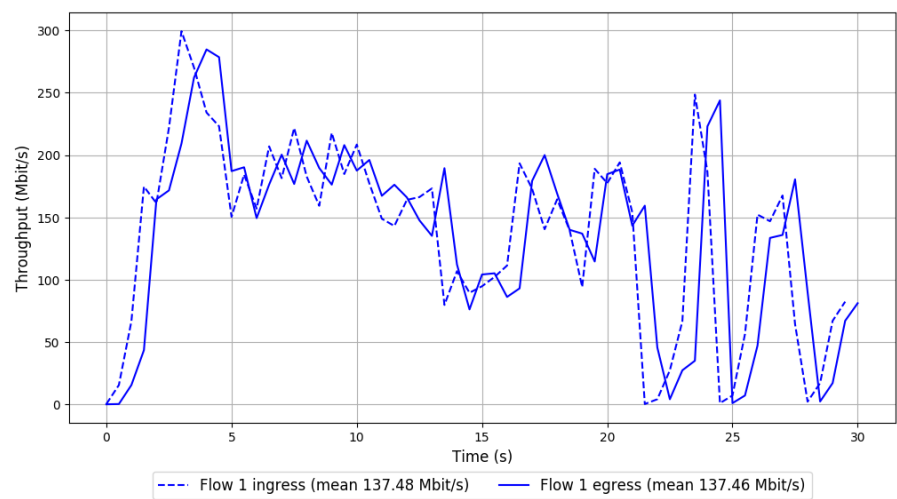
-- Flow 1:

Average throughput: 137.46 Mbit/s

95th percentile per-packet one-way delay: 102.042 ms

Loss rate: 0.02%

Run 5: Report of Verus — Data Link

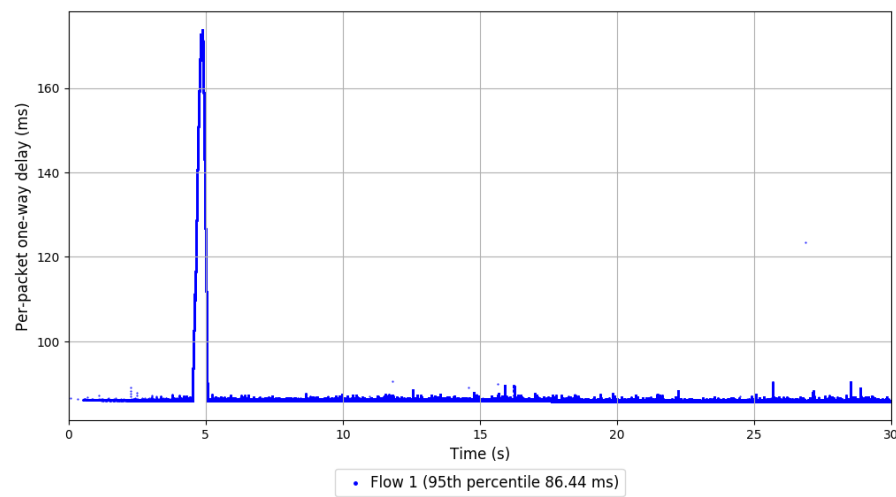
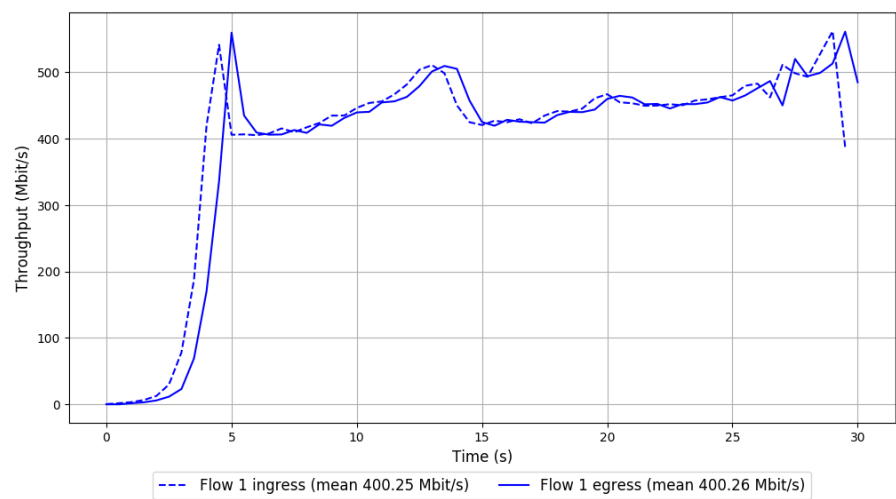


Run 1: Statistics of PCC-Vivace

Start at: 2019-01-24 13:22:25
End at: 2019-01-24 13:22:55
Local clock offset: 13.842 ms
Remote clock offset: 29.796 ms

Below is generated by plot.py at 2019-01-24 17:58:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 400.26 Mbit/s
95th percentile per-packet one-way delay: 86.438 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 400.26 Mbit/s
95th percentile per-packet one-way delay: 86.438 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

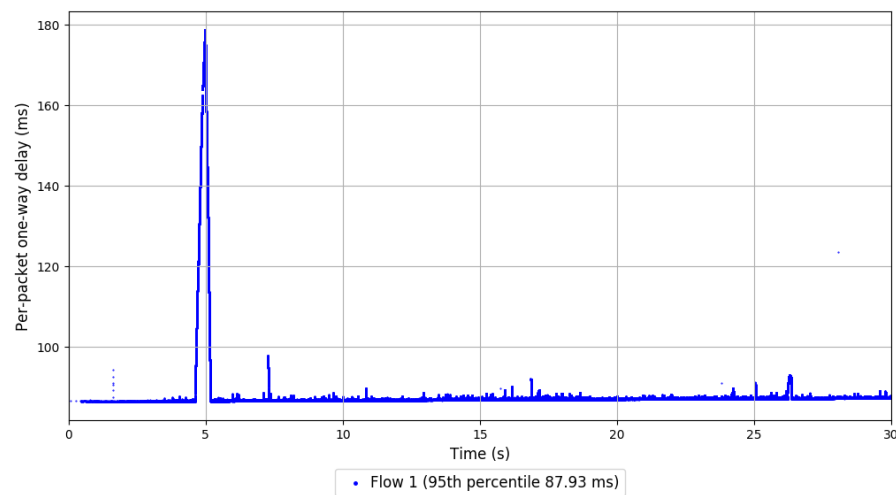
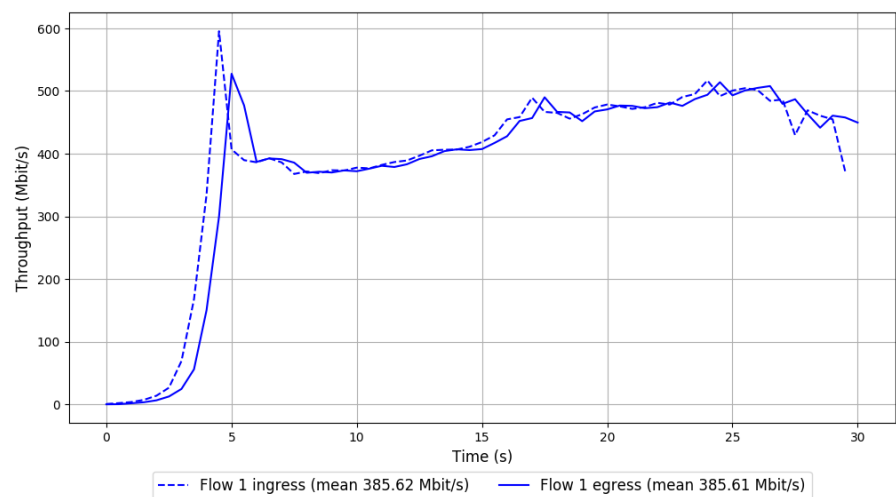


Run 2: Statistics of PCC-Vivace

Start at: 2019-01-24 13:54:34
End at: 2019-01-24 13:55:04
Local clock offset: 26.815 ms
Remote clock offset: 23.877 ms

Below is generated by plot.py at 2019-01-24 17:58:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 385.61 Mbit/s
95th percentile per-packet one-way delay: 87.927 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 385.61 Mbit/s
95th percentile per-packet one-way delay: 87.927 ms
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link

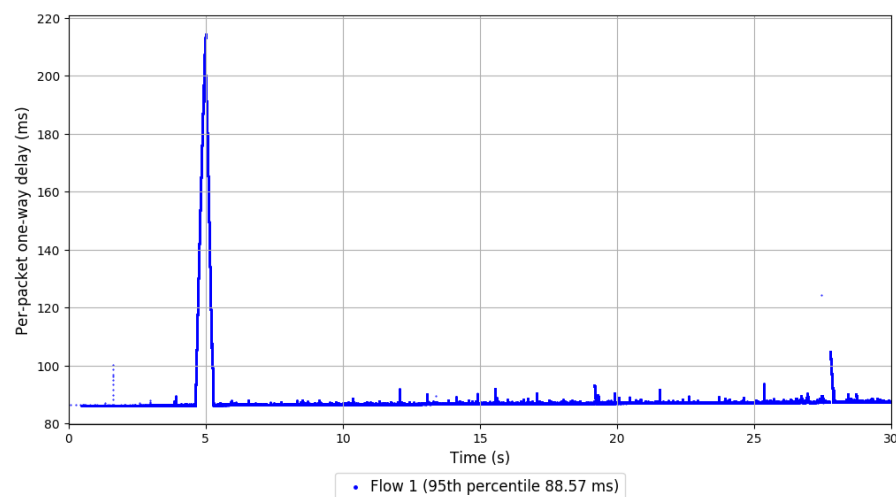
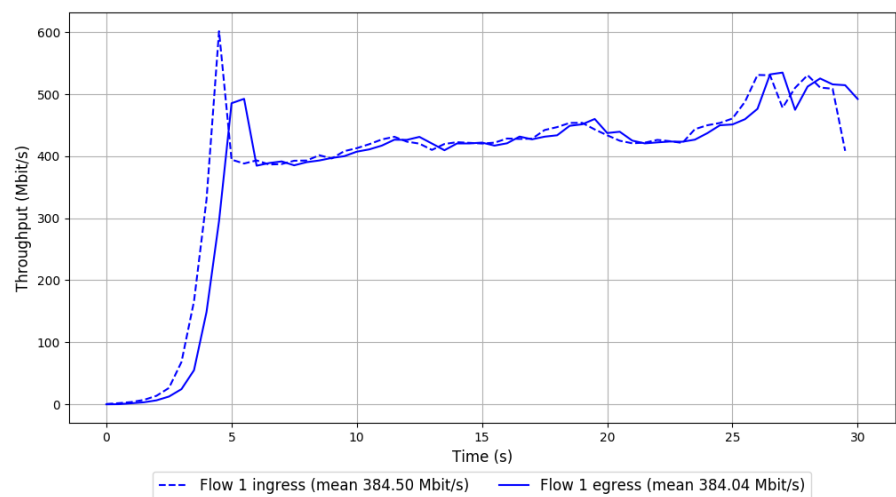


Run 3: Statistics of PCC-Vivace

Start at: 2019-01-24 14:29:00
End at: 2019-01-24 14:29:30
Local clock offset: 15.713 ms
Remote clock offset: 28.987 ms

Below is generated by plot.py at 2019-01-24 17:58:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 384.04 Mbit/s
95th percentile per-packet one-way delay: 88.566 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 384.04 Mbit/s
95th percentile per-packet one-way delay: 88.566 ms
Loss rate: 0.12%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-01-24 15:01:22

End at: 2019-01-24 15:01:52

Local clock offset: 4.188 ms

Remote clock offset: 17.072 ms

Below is generated by plot.py at 2019-01-24 17:58:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 399.44 Mbit/s

95th percentile per-packet one-way delay: 90.062 ms

Loss rate: 0.35%

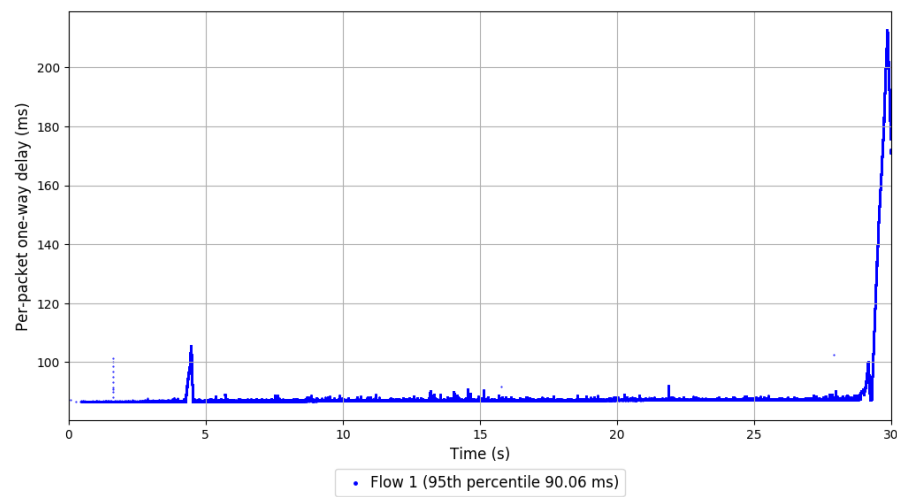
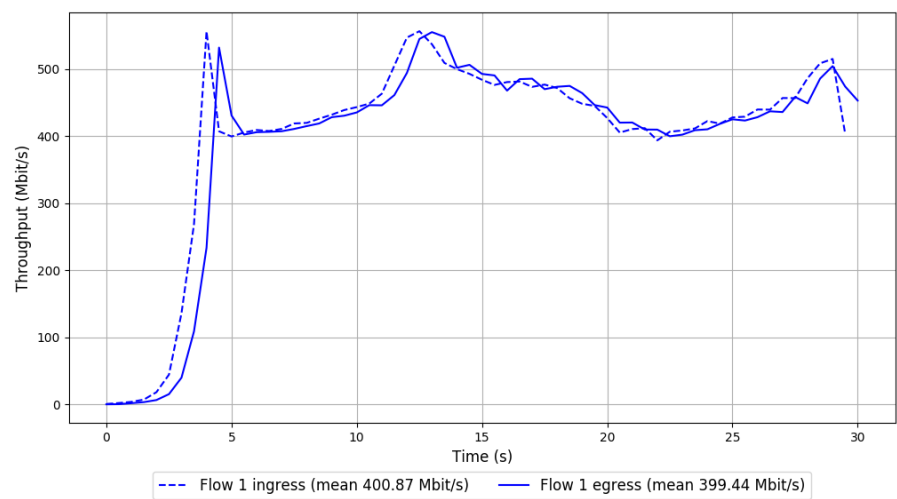
-- Flow 1:

Average throughput: 399.44 Mbit/s

95th percentile per-packet one-way delay: 90.062 ms

Loss rate: 0.35%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-01-24 15:33:44

End at: 2019-01-24 15:34:14

Local clock offset: 1.395 ms

Remote clock offset: 4.521 ms

Below is generated by plot.py at 2019-01-24 17:58:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 341.48 Mbit/s

95th percentile per-packet one-way delay: 91.066 ms

Loss rate: 0.00%

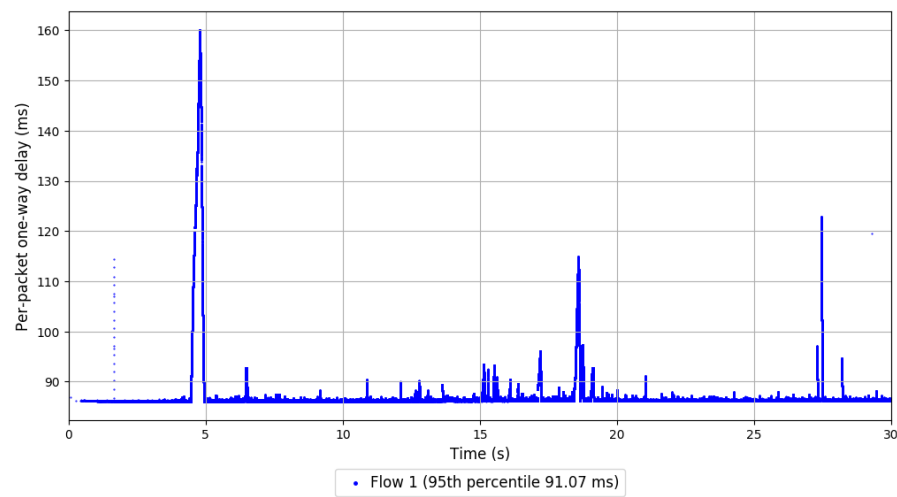
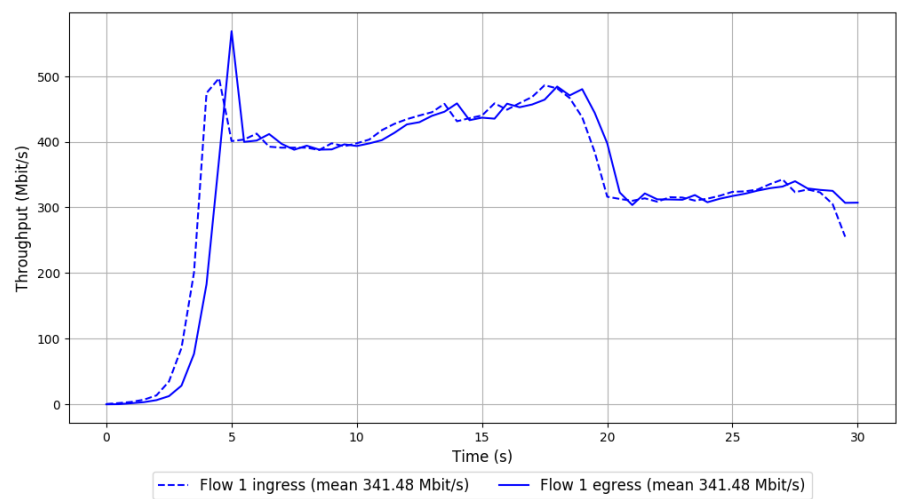
-- Flow 1:

Average throughput: 341.48 Mbit/s

95th percentile per-packet one-way delay: 91.066 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

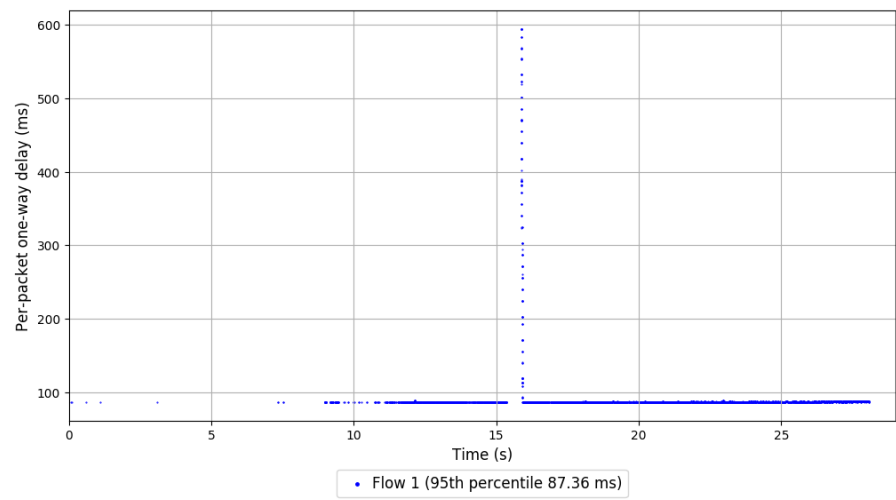
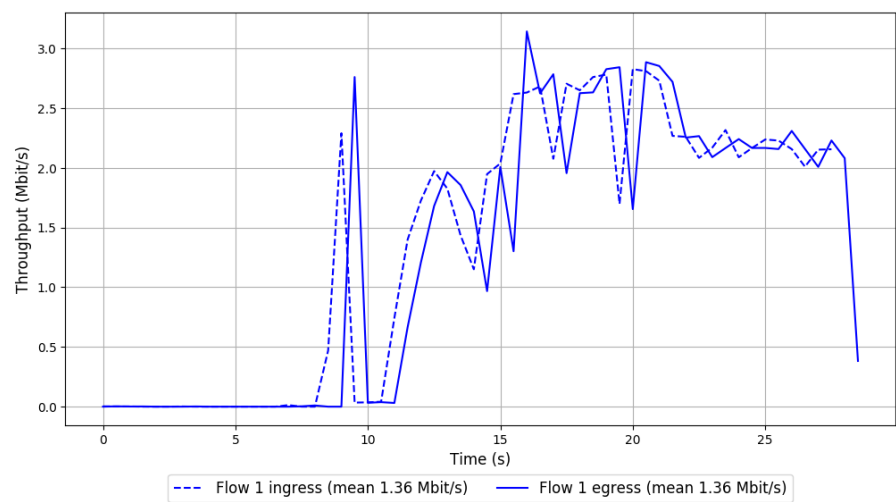


Run 1: Statistics of WebRTC media

Start at: 2019-01-24 13:17:51
End at: 2019-01-24 13:18:21
Local clock offset: 15.135 ms
Remote clock offset: 33.535 ms

Below is generated by plot.py at 2019-01-24 17:58:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.36 Mbit/s
95th percentile per-packet one-way delay: 87.357 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.36 Mbit/s
95th percentile per-packet one-way delay: 87.357 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

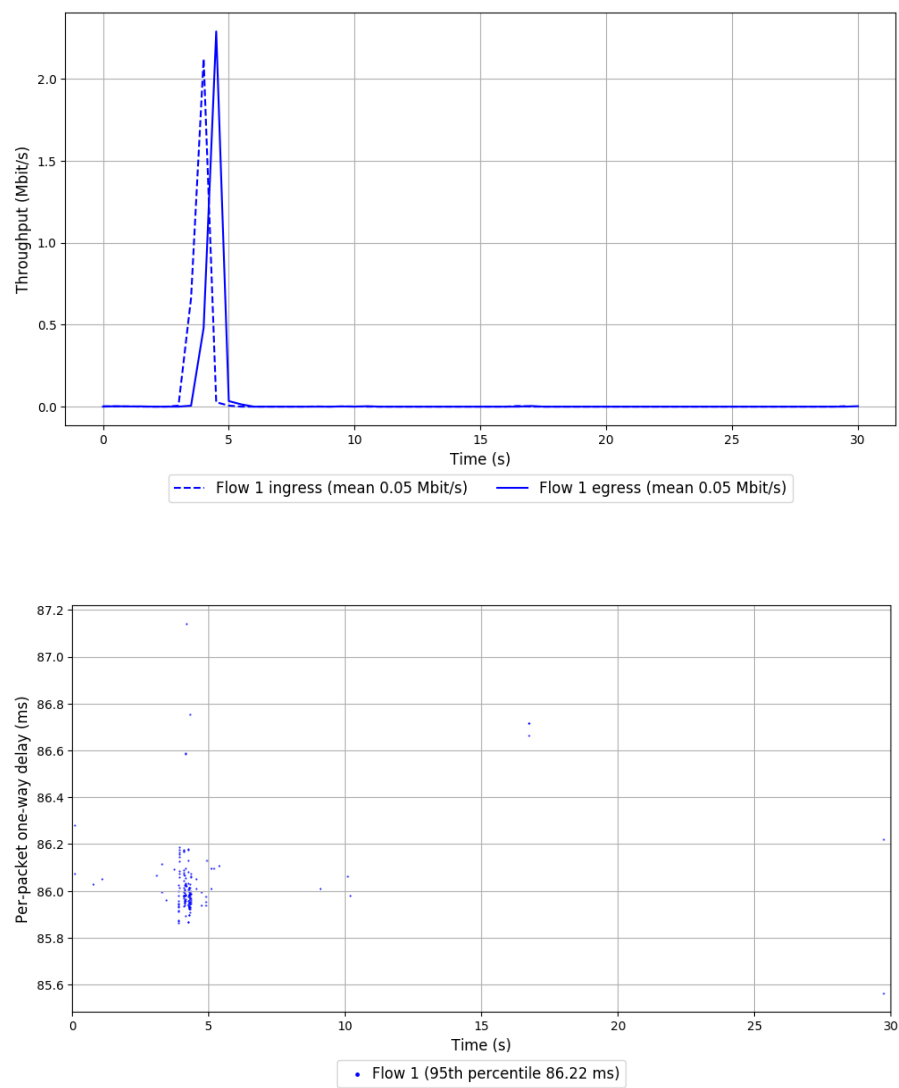


Run 2: Statistics of WebRTC media

Start at: 2019-01-24 13:49:57
End at: 2019-01-24 13:50:27
Local clock offset: 22.816 ms
Remote clock offset: 28.379 ms

Below is generated by plot.py at 2019-01-24 17:58:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.219 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.219 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

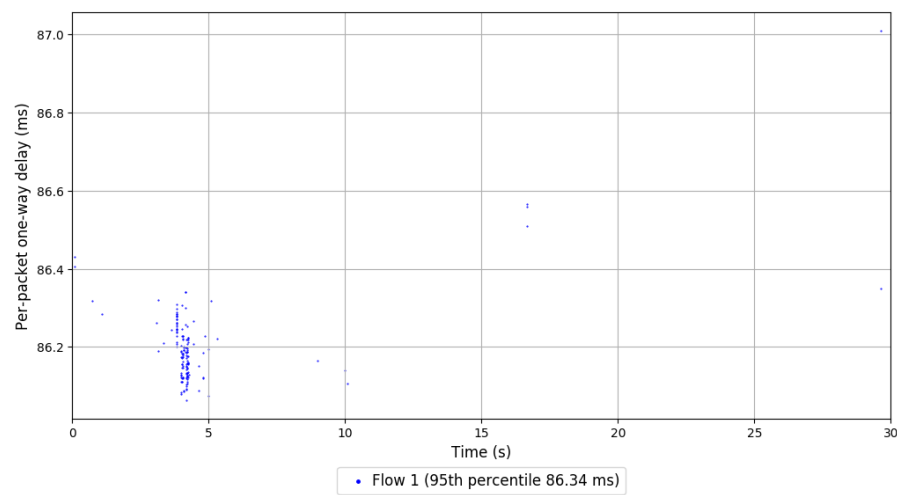
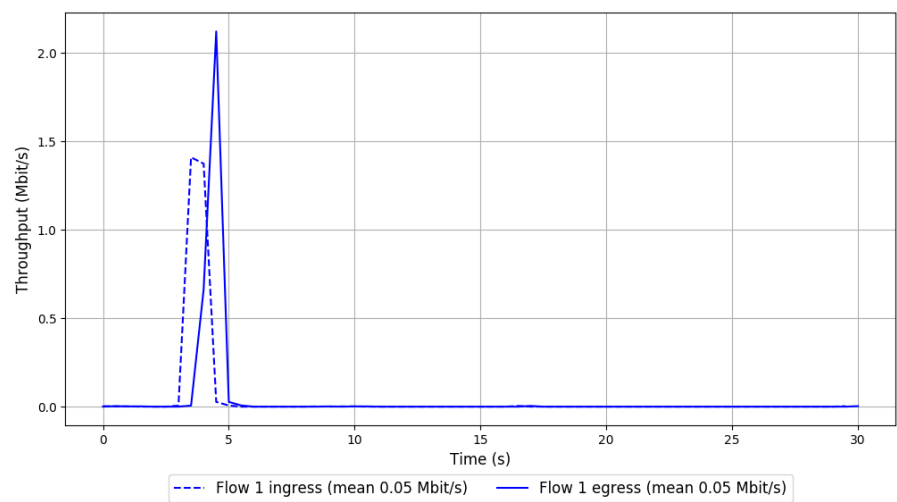


Run 3: Statistics of WebRTC media

Start at: 2019-01-24 14:24:22
End at: 2019-01-24 14:24:52
Local clock offset: 14.613 ms
Remote clock offset: 42.181 ms

Below is generated by plot.py at 2019-01-24 17:58:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.340 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.340 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

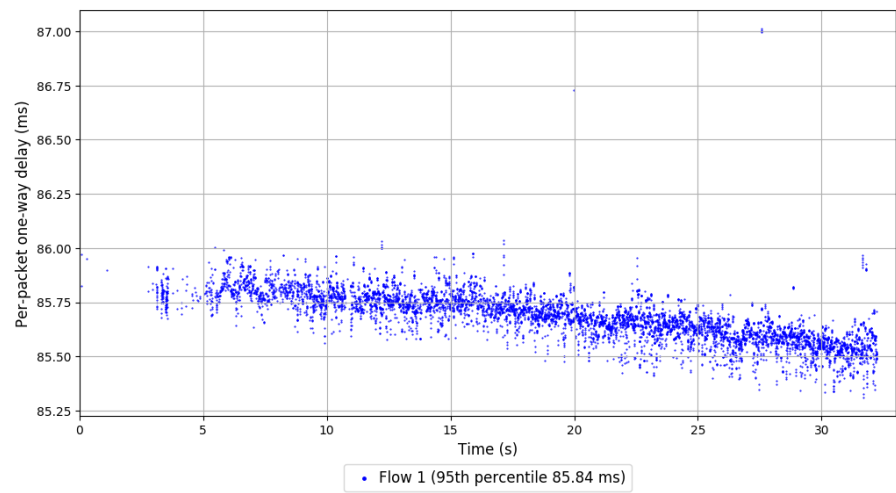
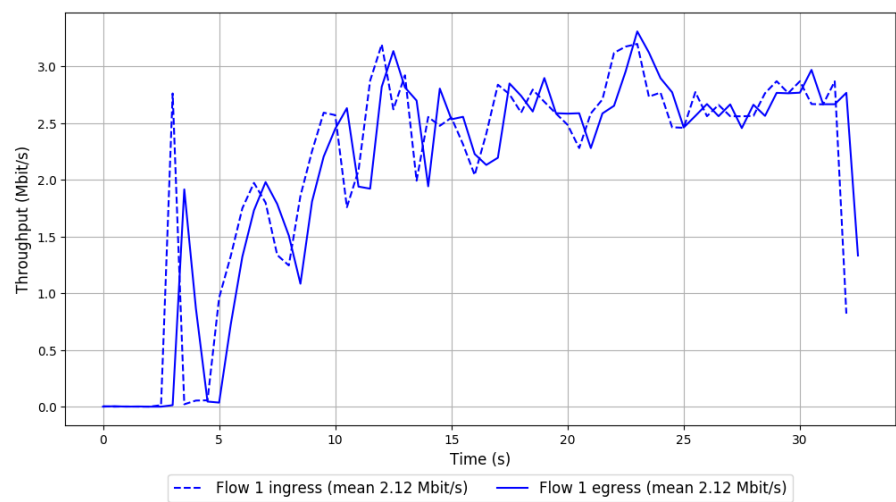


Run 4: Statistics of WebRTC media

Start at: 2019-01-24 14:56:39
End at: 2019-01-24 14:57:09
Local clock offset: 5.168 ms
Remote clock offset: 20.404 ms

Below is generated by plot.py at 2019-01-24 17:58:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 85.845 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 85.845 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-01-24 15:29:08

End at: 2019-01-24 15:29:38

Local clock offset: 1.543 ms

Remote clock offset: 4.601 ms

Below is generated by plot.py at 2019-01-24 17:58:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 86.383 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 86.383 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

