

Pantheon Report

Generated at 2019-02-12 15:58:45 (UTC).

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

Repeated the test of 21 congestion control schemes 5 times.

Each test lasted for 30 seconds running 1 flow.

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

System info:

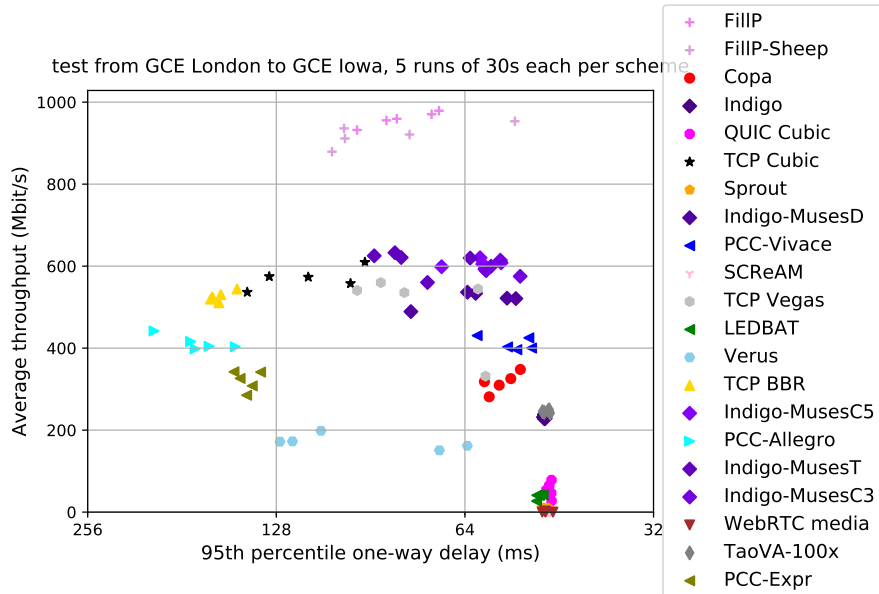
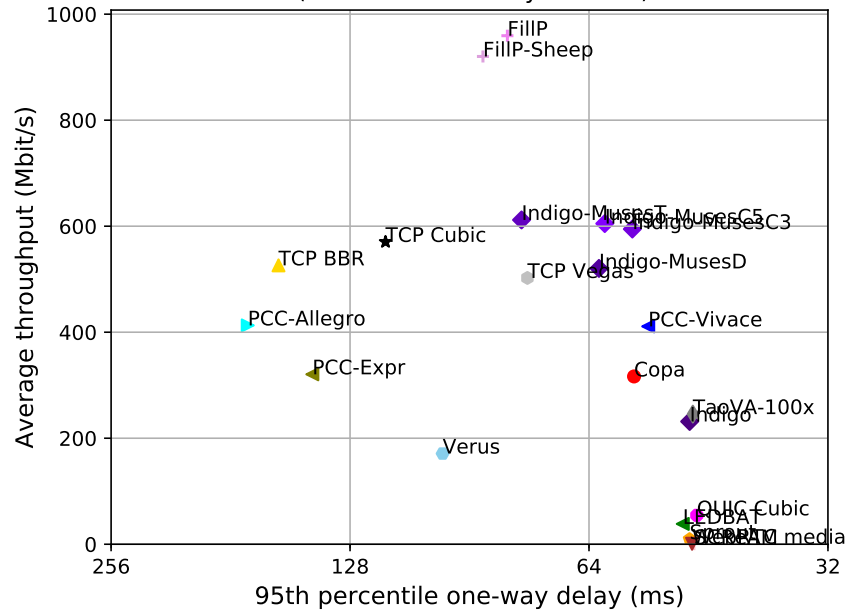
```
Linux 4.15.0-1026-gcp
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

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

third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851

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



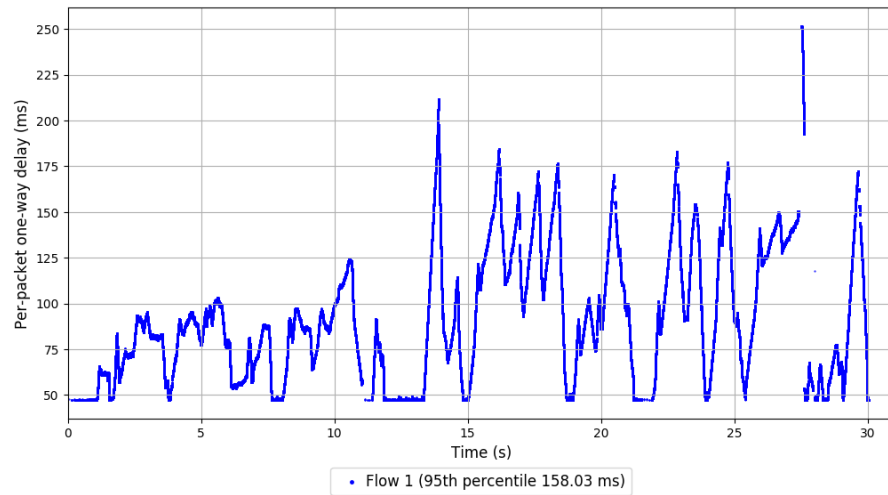
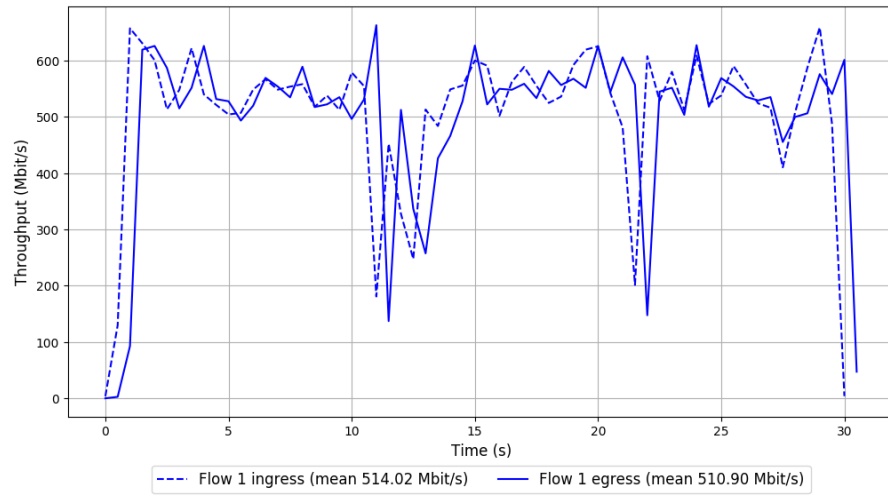
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	526.11	157.52	0.78
Copa	5	316.55	56.16	0.00
TCP Cubic	5	570.34	115.49	0.13
FillP	5	959.35	81.09	0.16
FillP-Sheep	5	920.19	87.05	0.25
Indigo	5	231.59	47.80	0.00
Indigo-MusesC3	4	594.61	56.44	0.01
Indigo-MusesC5	5	604.95	61.14	0.01
Indigo-MusesD	5	520.37	62.18	0.01
Indigo-MusesT	5	611.81	77.84	0.10
LEDBAT	5	38.35	48.76	0.00
PCC-Allegro	5	412.83	172.21	3.08
PCC-Expr	5	320.56	142.80	1.05
QUIC Cubic	5	54.54	46.82	0.00
SCReAM	5	0.22	47.21	0.00
Sprout	5	9.68	47.81	0.00
TaoVA-100x	5	245.51	47.35	0.00
TCP Vegas	5	502.37	76.52	0.00
Verus	5	171.06	97.85	0.01
PCC-Vivace	5	410.99	53.90	0.00
WebRTC media	5	0.89	47.46	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-02-12 11:37:06
End at: 2019-02-12 11:37:36
Local clock offset: -0.019 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2019-02-12 14:07:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 510.90 Mbit/s
95th percentile per-packet one-way delay: 158.028 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 510.90 Mbit/s
95th percentile per-packet one-way delay: 158.028 ms
Loss rate: 0.61%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-02-12 12:08:01

End at: 2019-02-12 12:08:31

Local clock offset: 0.01 ms

Remote clock offset: -0.069 ms

Below is generated by plot.py at 2019-02-12 14:07:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 519.63 Mbit/s

95th percentile per-packet one-way delay: 162.951 ms

Loss rate: 0.62%

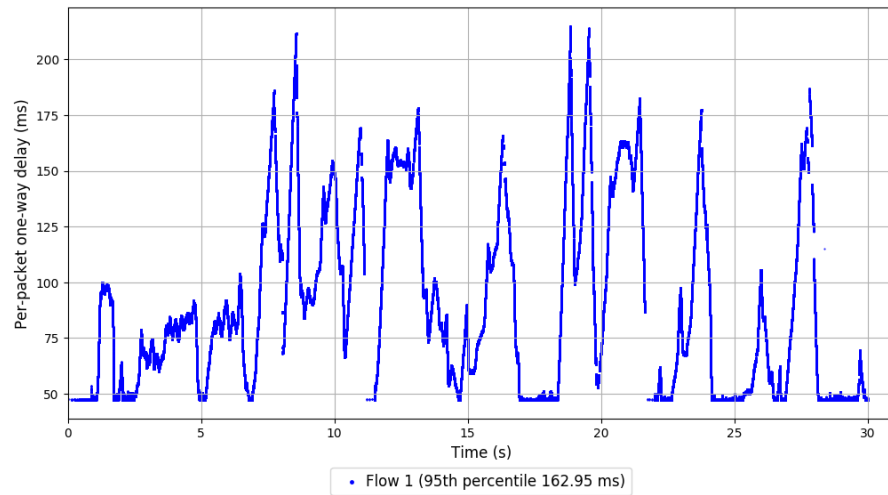
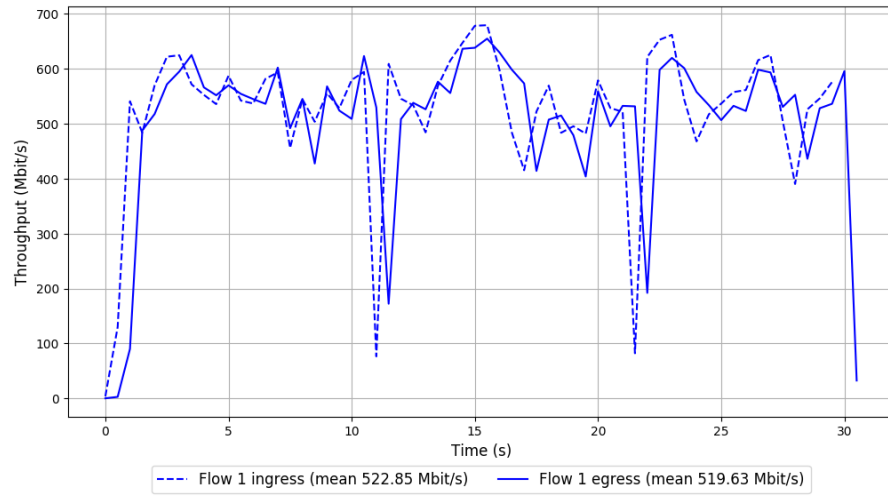
-- Flow 1:

Average throughput: 519.63 Mbit/s

95th percentile per-packet one-way delay: 162.951 ms

Loss rate: 0.62%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-02-12 12:38:57

End at: 2019-02-12 12:39:27

Local clock offset: 0.345 ms

Remote clock offset: -0.067 ms

Below is generated by plot.py at 2019-02-12 14:07:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 524.99 Mbit/s

95th percentile per-packet one-way delay: 161.854 ms

Loss rate: 0.91%

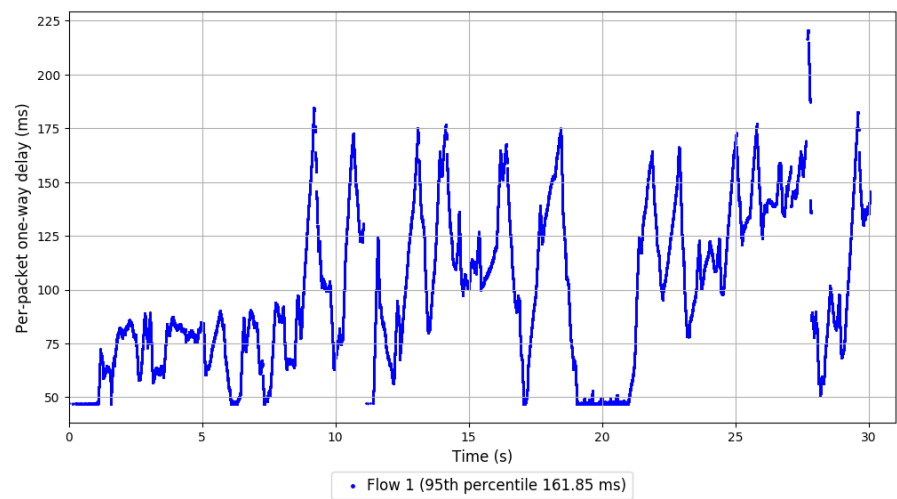
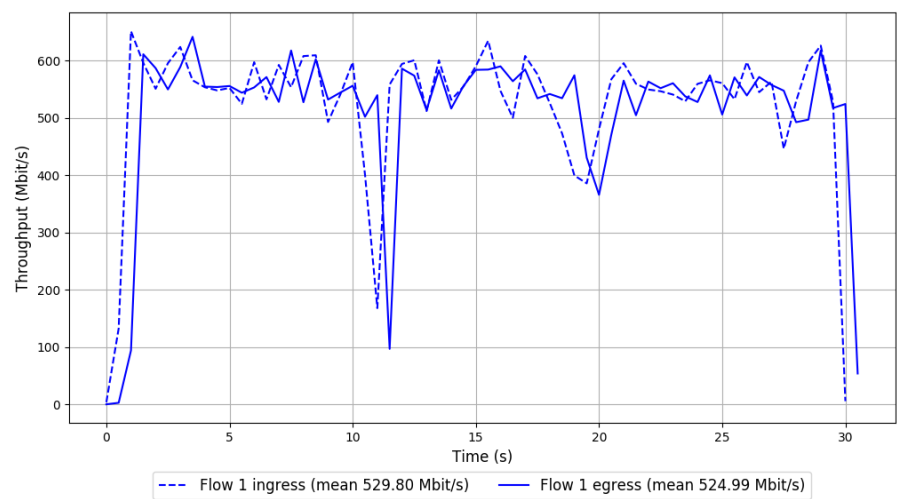
-- Flow 1:

Average throughput: 524.99 Mbit/s

95th percentile per-packet one-way delay: 161.854 ms

Loss rate: 0.91%

Run 3: Report of TCP BBR — Data Link

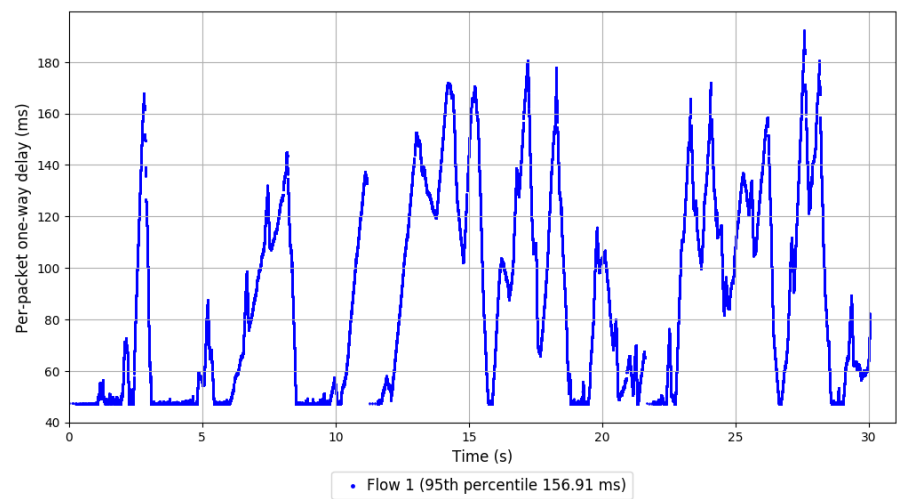
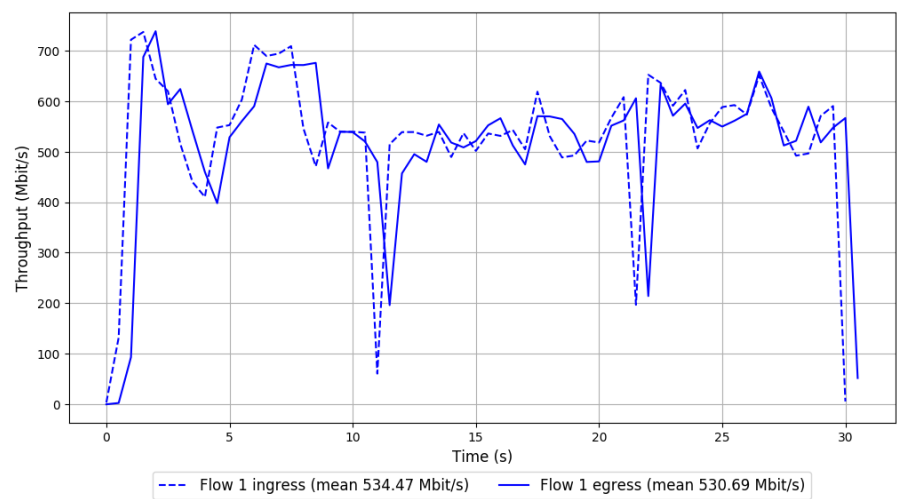


Run 4: Statistics of TCP BBR

Start at: 2019-02-12 13:10:42
End at: 2019-02-12 13:11:12
Local clock offset: -0.222 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2019-02-12 14:07:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 530.69 Mbit/s
95th percentile per-packet one-way delay: 156.907 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 530.69 Mbit/s
95th percentile per-packet one-way delay: 156.907 ms
Loss rate: 0.70%

Run 4: Report of TCP BBR — Data Link

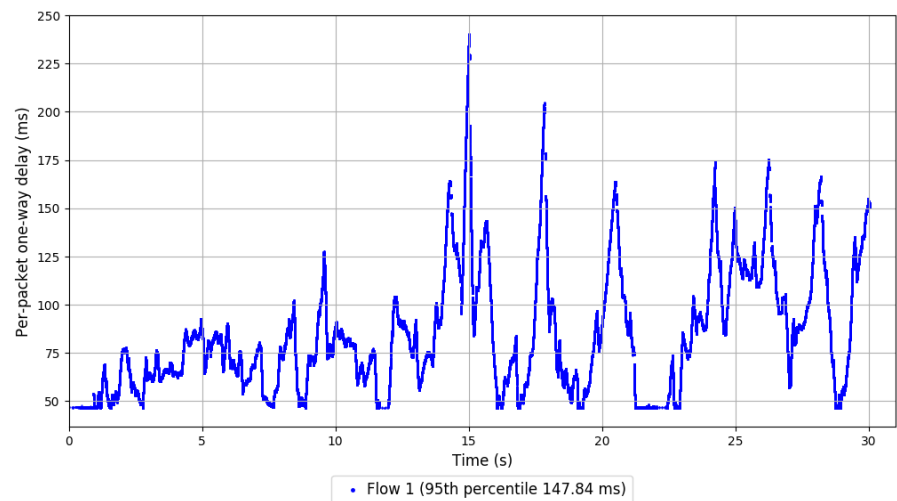
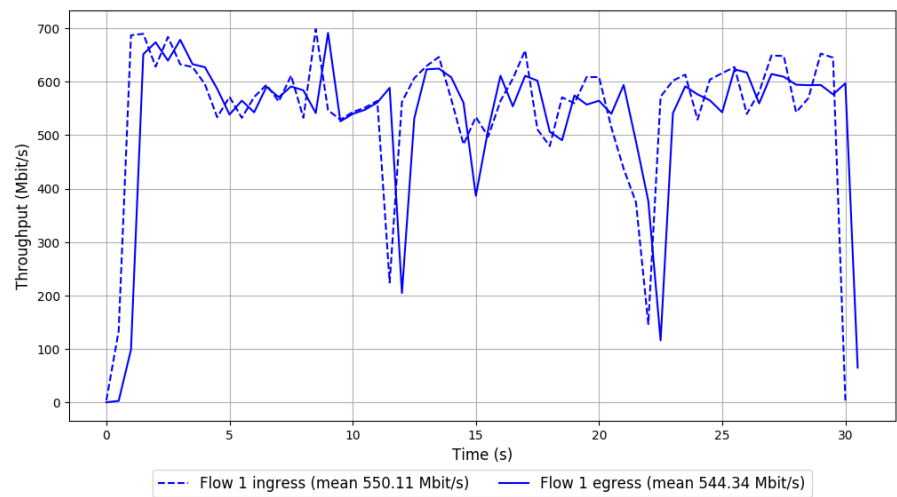


Run 5: Statistics of TCP BBR

Start at: 2019-02-12 13:41:21
End at: 2019-02-12 13:41:51
Local clock offset: -0.266 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2019-02-12 14:07:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 544.34 Mbit/s
95th percentile per-packet one-way delay: 147.842 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 544.34 Mbit/s
95th percentile per-packet one-way delay: 147.842 ms
Loss rate: 1.04%

Run 5: Report of TCP BBR — Data Link

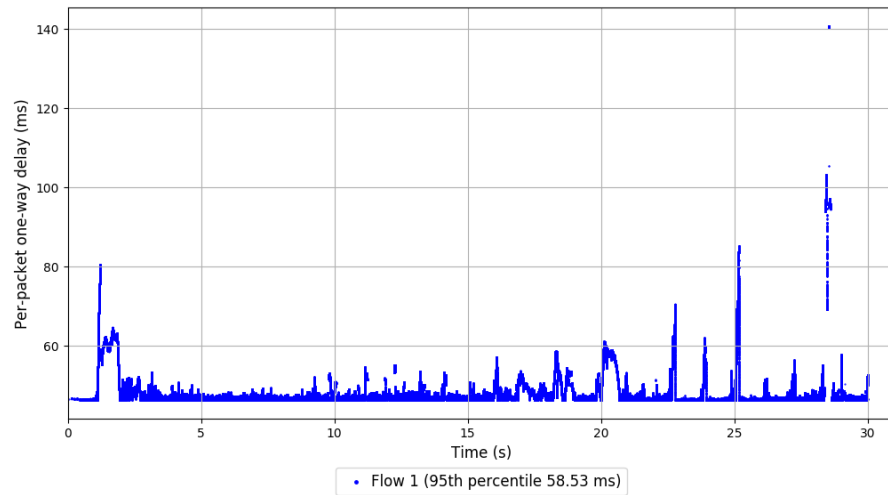
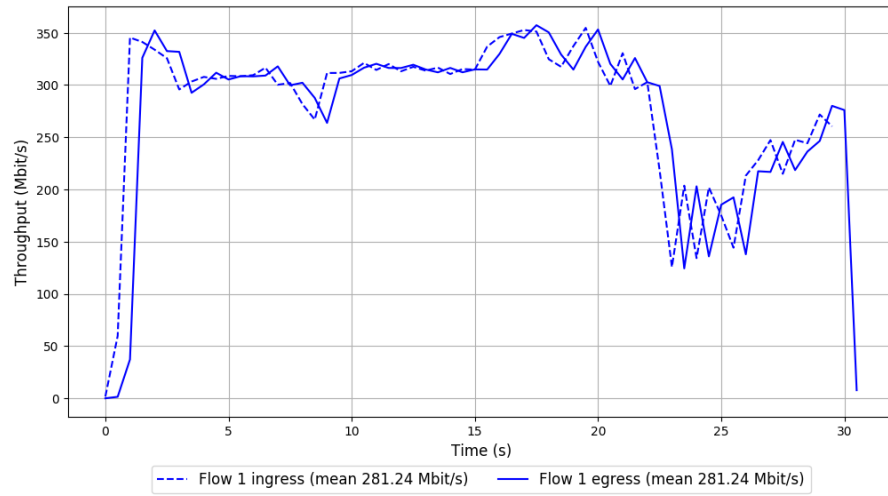


Run 1: Statistics of Copa

Start at: 2019-02-12 11:32:57
End at: 2019-02-12 11:33:27
Local clock offset: -0.06 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2019-02-12 14:07:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 281.24 Mbit/s
95th percentile per-packet one-way delay: 58.530 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 281.24 Mbit/s
95th percentile per-packet one-way delay: 58.530 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

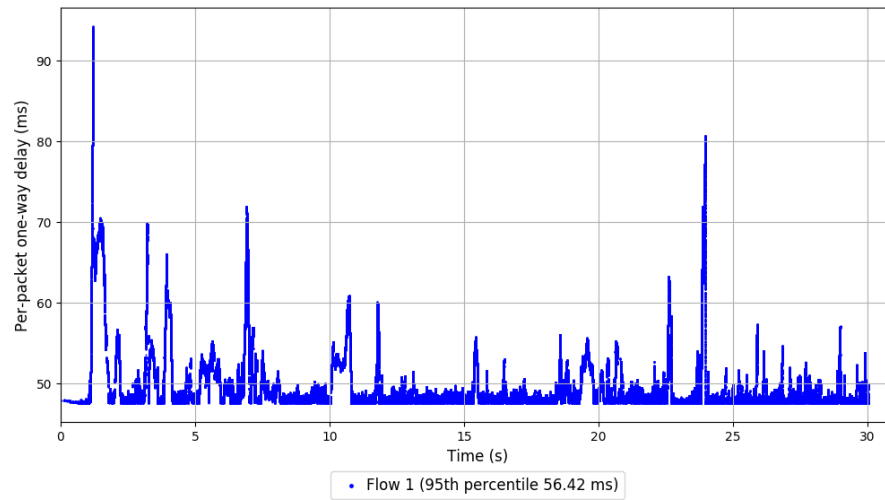
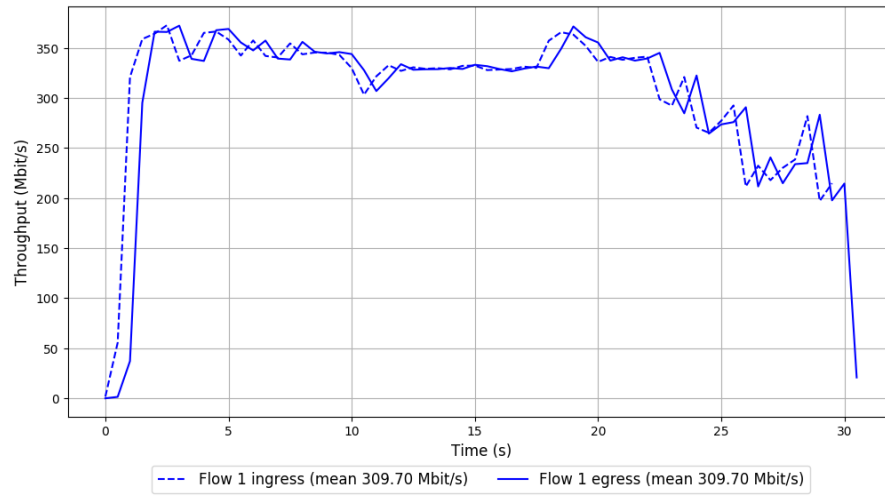


Run 2: Statistics of Copa

Start at: 2019-02-12 12:03:50
End at: 2019-02-12 12:04:20
Local clock offset: -0.334 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2019-02-12 14:07:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 309.70 Mbit/s
95th percentile per-packet one-way delay: 56.422 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 309.70 Mbit/s
95th percentile per-packet one-way delay: 56.422 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

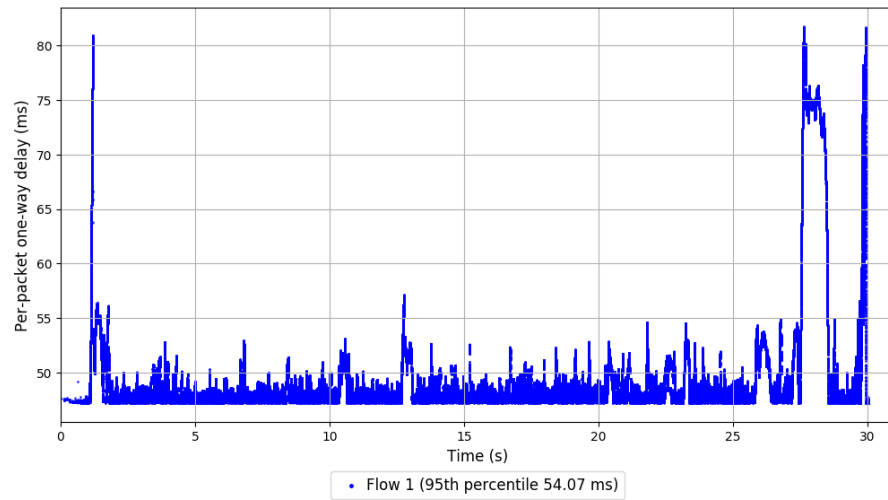
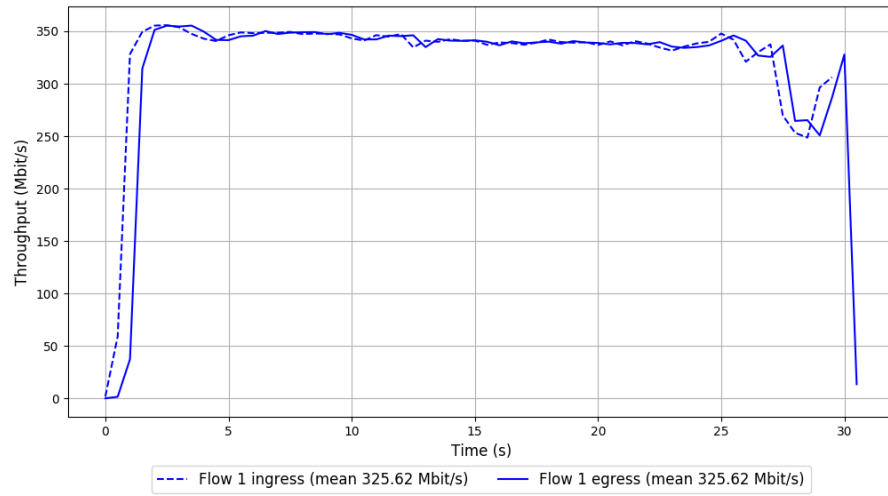


Run 3: Statistics of Copa

Start at: 2019-02-12 12:34:41
End at: 2019-02-12 12:35:11
Local clock offset: -0.041 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2019-02-12 14:08:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 325.62 Mbit/s
95th percentile per-packet one-way delay: 54.070 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 325.62 Mbit/s
95th percentile per-packet one-way delay: 54.070 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

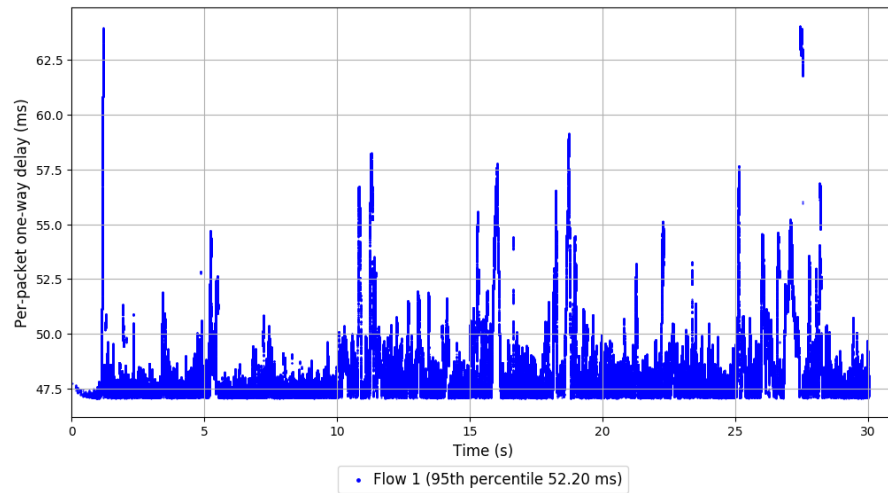
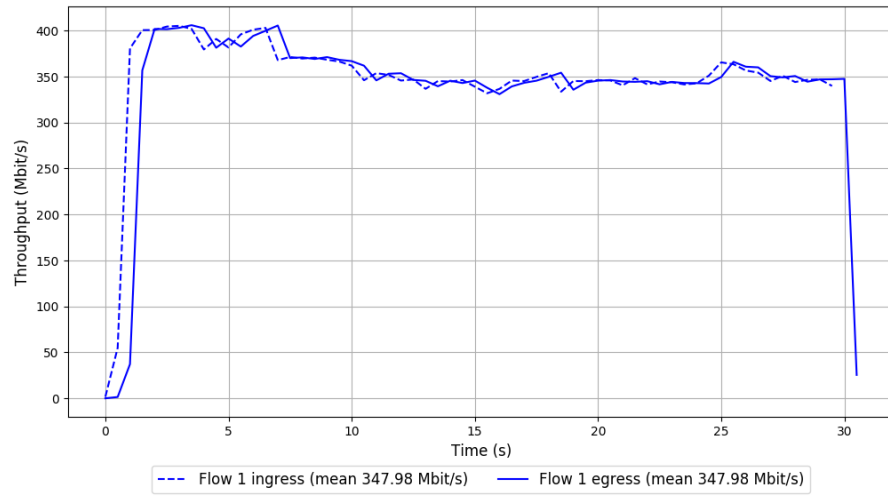


Run 4: Statistics of Copa

Start at: 2019-02-12 13:06:27
End at: 2019-02-12 13:06:57
Local clock offset: -0.167 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2019-02-12 14:19:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 347.98 Mbit/s
95th percentile per-packet one-way delay: 52.205 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 347.98 Mbit/s
95th percentile per-packet one-way delay: 52.205 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

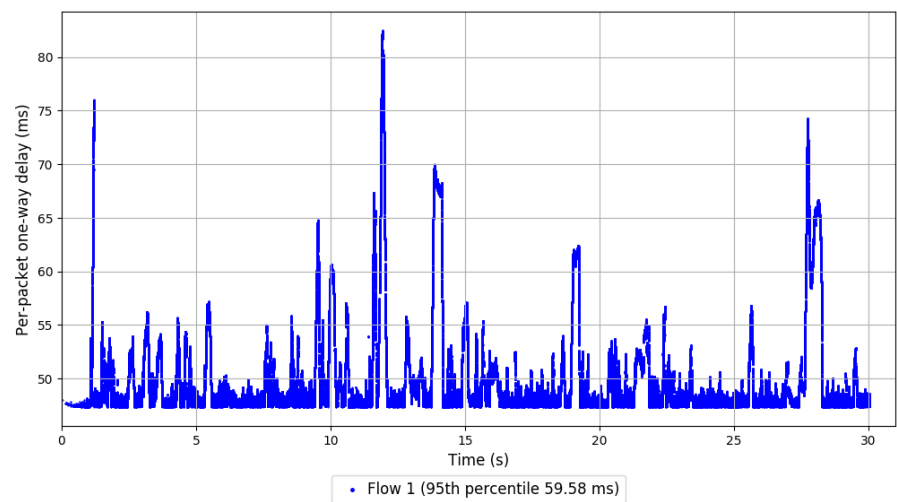
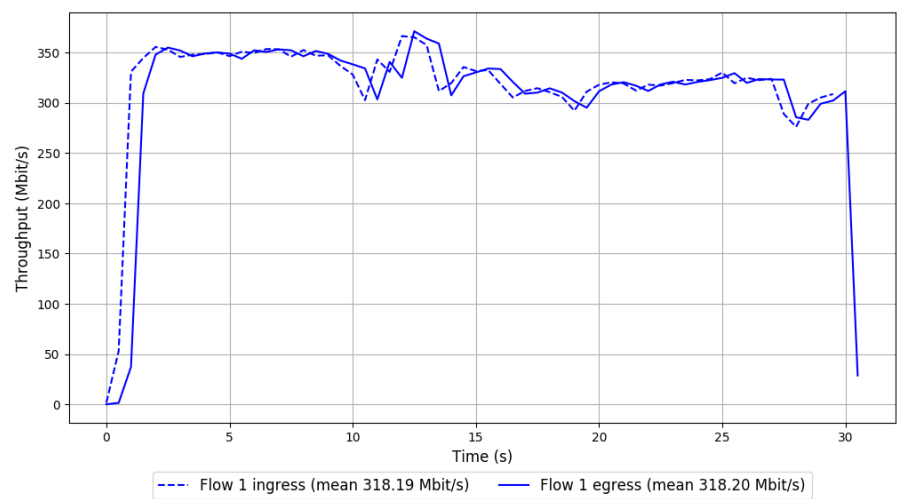


Run 5: Statistics of Copa

Start at: 2019-02-12 13:37:09
End at: 2019-02-12 13:37:39
Local clock offset: -0.265 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2019-02-12 14:19:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 318.20 Mbit/s
95th percentile per-packet one-way delay: 59.581 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 318.20 Mbit/s
95th percentile per-packet one-way delay: 59.581 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

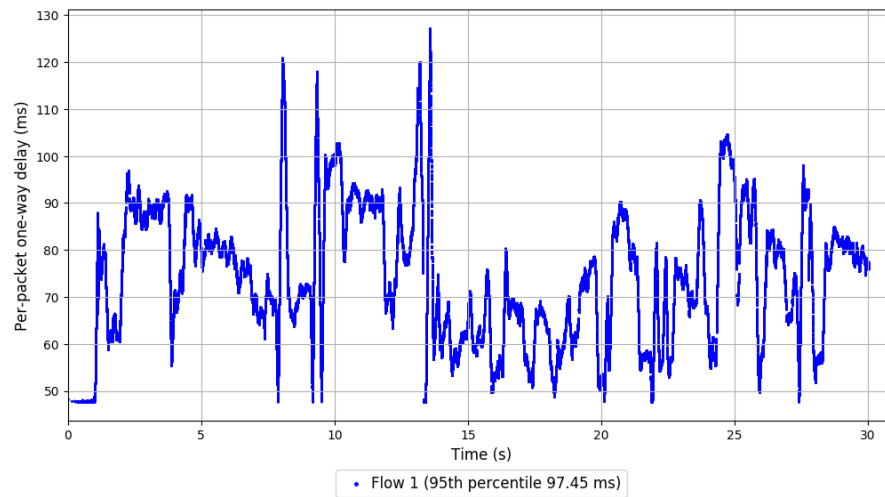
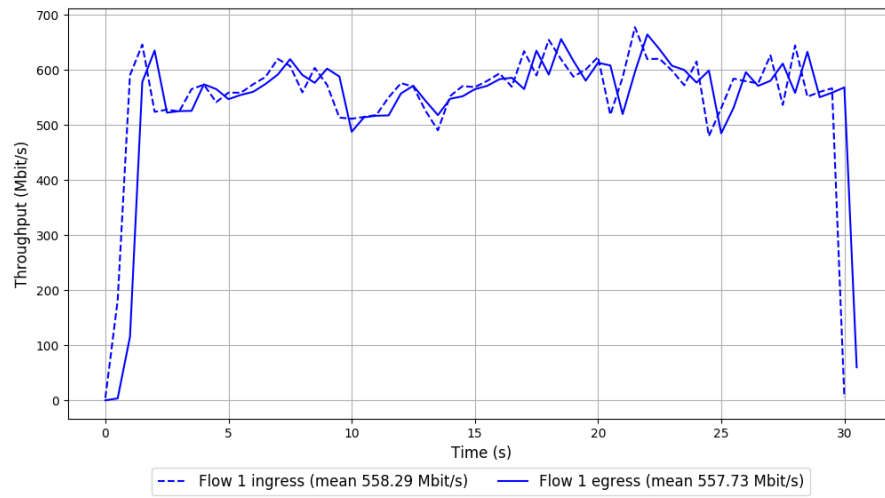


Run 1: Statistics of TCP Cubic

Start at: 2019-02-12 11:38:40
End at: 2019-02-12 11:39:10
Local clock offset: -0.381 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2019-02-12 14:19:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 557.73 Mbit/s
95th percentile per-packet one-way delay: 97.446 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 557.73 Mbit/s
95th percentile per-packet one-way delay: 97.446 ms
Loss rate: 0.10%

Run 1: Report of TCP Cubic — Data Link

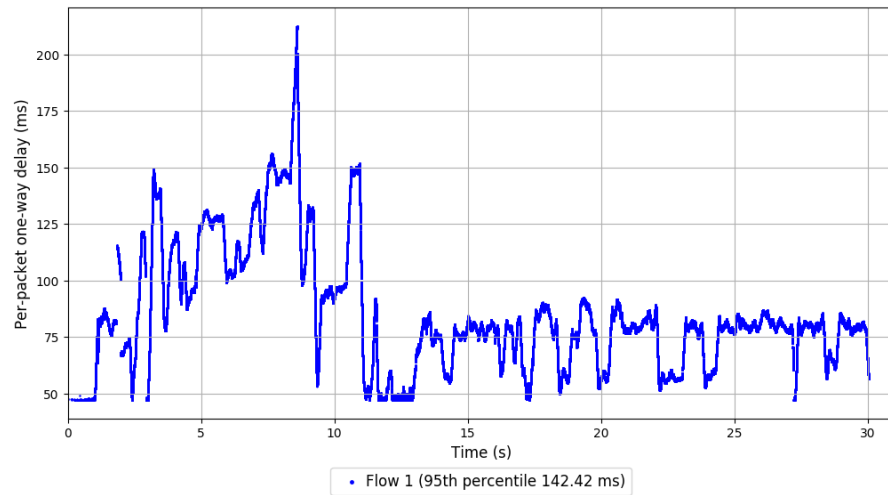
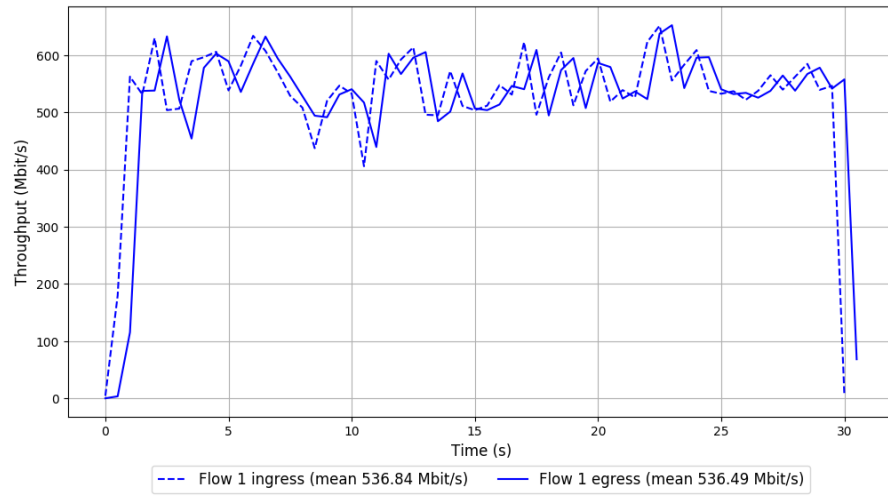


Run 2: Statistics of TCP Cubic

Start at: 2019-02-12 12:09:36
End at: 2019-02-12 12:10:06
Local clock offset: 0.015 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2019-02-12 14:19:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 536.49 Mbit/s
95th percentile per-packet one-way delay: 142.417 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 536.49 Mbit/s
95th percentile per-packet one-way delay: 142.417 ms
Loss rate: 0.06%

Run 2: Report of TCP Cubic — Data Link

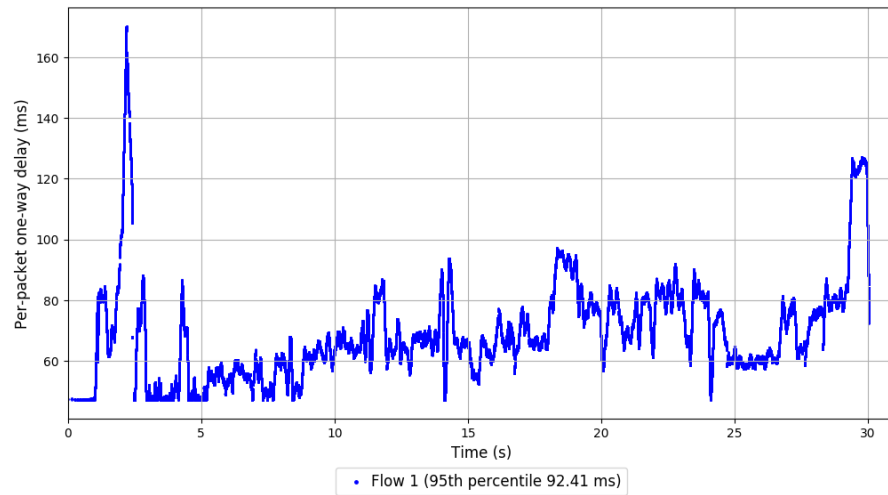
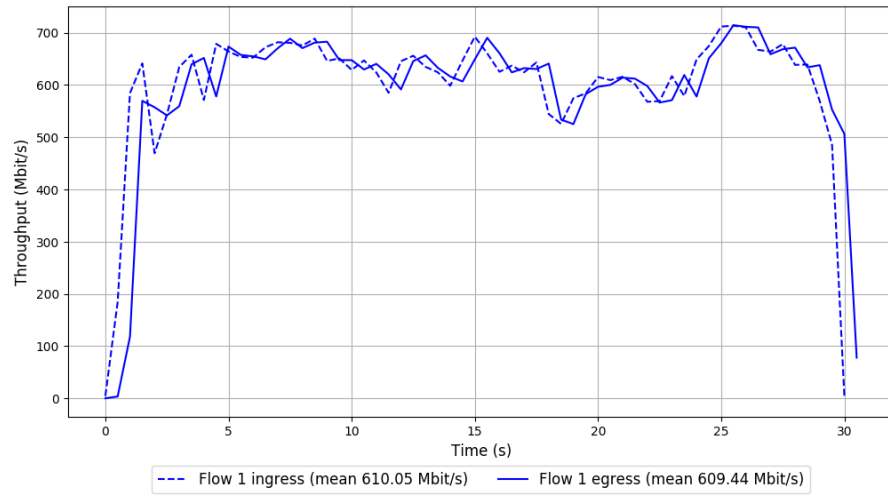


Run 3: Statistics of TCP Cubic

Start at: 2019-02-12 12:40:32
End at: 2019-02-12 12:41:02
Local clock offset: -0.047 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2019-02-12 14:19:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 609.44 Mbit/s
95th percentile per-packet one-way delay: 92.411 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 609.44 Mbit/s
95th percentile per-packet one-way delay: 92.411 ms
Loss rate: 0.10%

Run 3: Report of TCP Cubic — Data Link

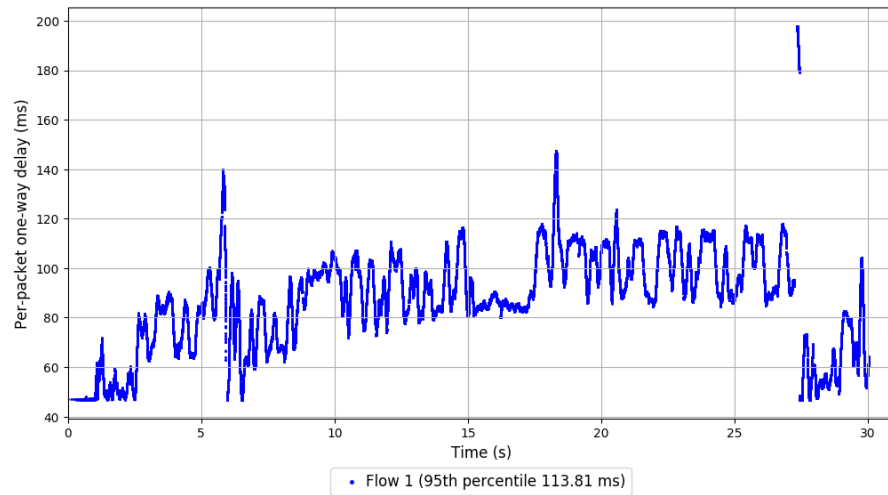
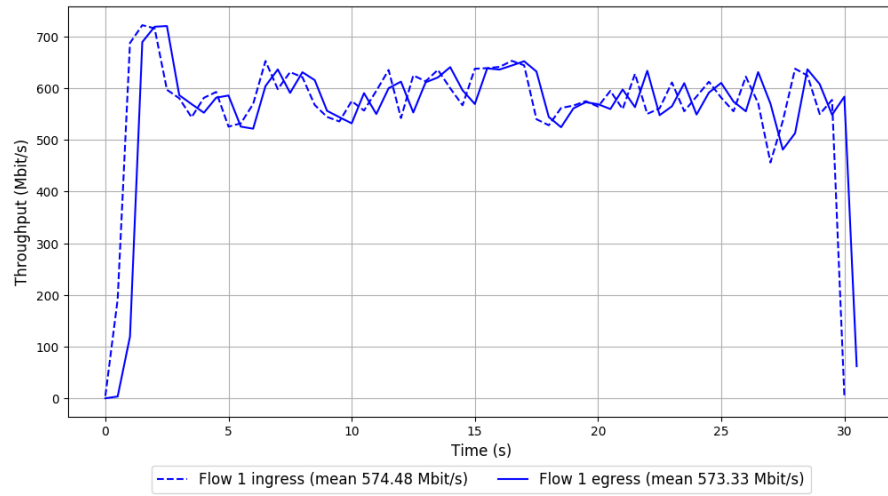


Run 4: Statistics of TCP Cubic

Start at: 2019-02-12 13:12:16
End at: 2019-02-12 13:12:46
Local clock offset: -0.217 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2019-02-12 14:19:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 573.33 Mbit/s
95th percentile per-packet one-way delay: 113.807 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 573.33 Mbit/s
95th percentile per-packet one-way delay: 113.807 ms
Loss rate: 0.20%

Run 4: Report of TCP Cubic — Data Link

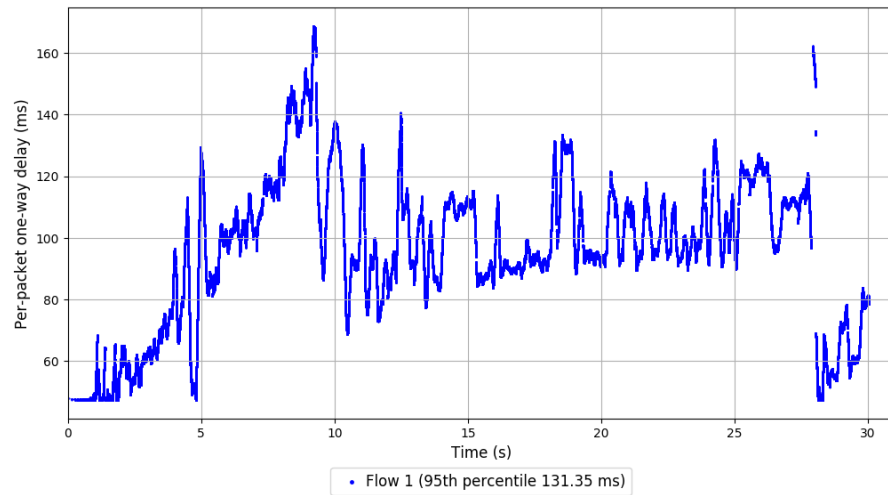
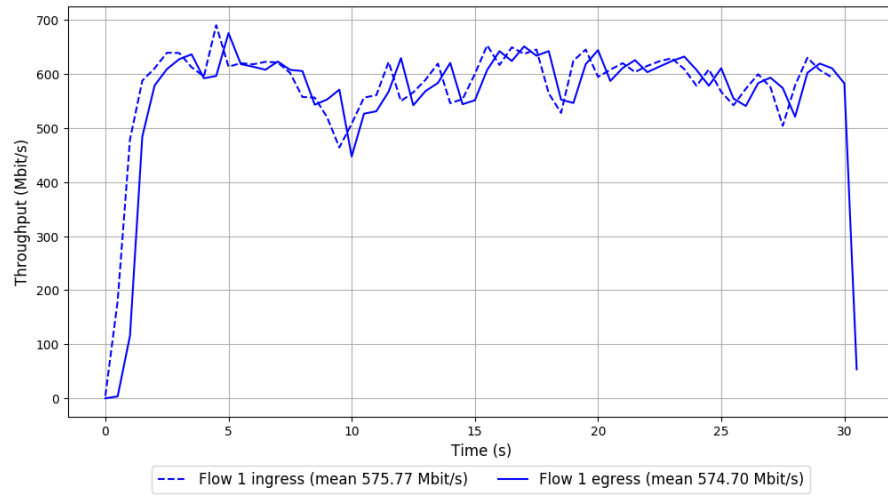


Run 5: Statistics of TCP Cubic

Start at: 2019-02-12 13:42:57
End at: 2019-02-12 13:43:27
Local clock offset: -0.293 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2019-02-12 14:19:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 574.70 Mbit/s
95th percentile per-packet one-way delay: 131.351 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 574.70 Mbit/s
95th percentile per-packet one-way delay: 131.351 ms
Loss rate: 0.19%

Run 5: Report of TCP Cubic — Data Link

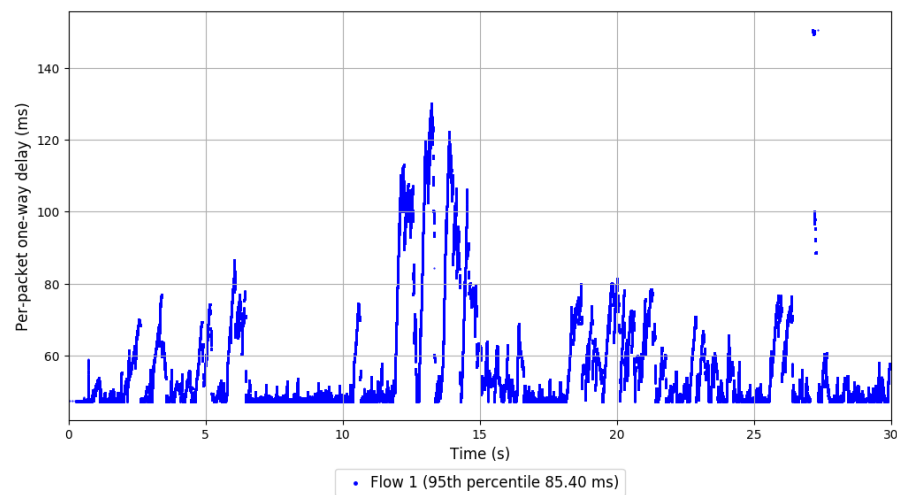
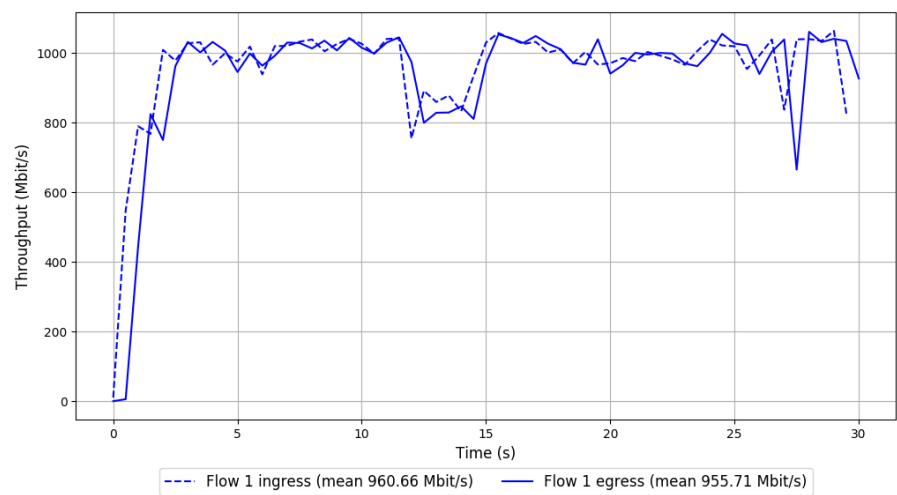


Run 1: Statistics of FillP

Start at: 2019-02-12 11:18:40
End at: 2019-02-12 11:19:10
Local clock offset: -0.05 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2019-02-12 14:27:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 955.71 Mbit/s
95th percentile per-packet one-way delay: 85.400 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 955.71 Mbit/s
95th percentile per-packet one-way delay: 85.400 ms
Loss rate: 0.51%

Run 1: Report of FillP — Data Link

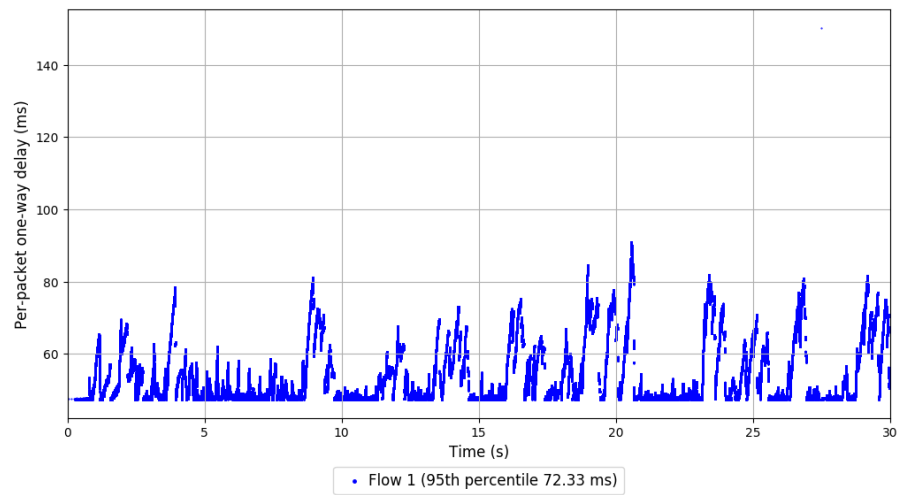
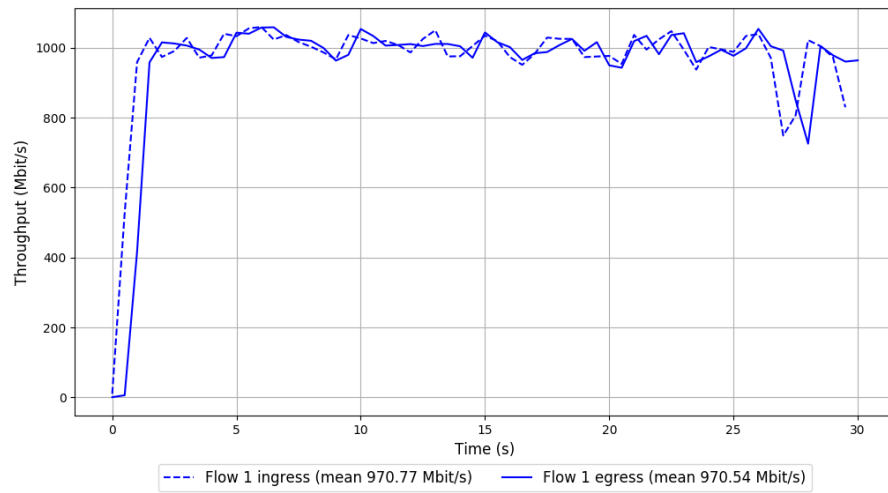


Run 2: Statistics of FillP

Start at: 2019-02-12 11:49:25
End at: 2019-02-12 11:49:55
Local clock offset: -0.005 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2019-02-12 14:40:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 970.54 Mbit/s
95th percentile per-packet one-way delay: 72.335 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 970.54 Mbit/s
95th percentile per-packet one-way delay: 72.335 ms
Loss rate: 0.02%

Run 2: Report of FillP — Data Link

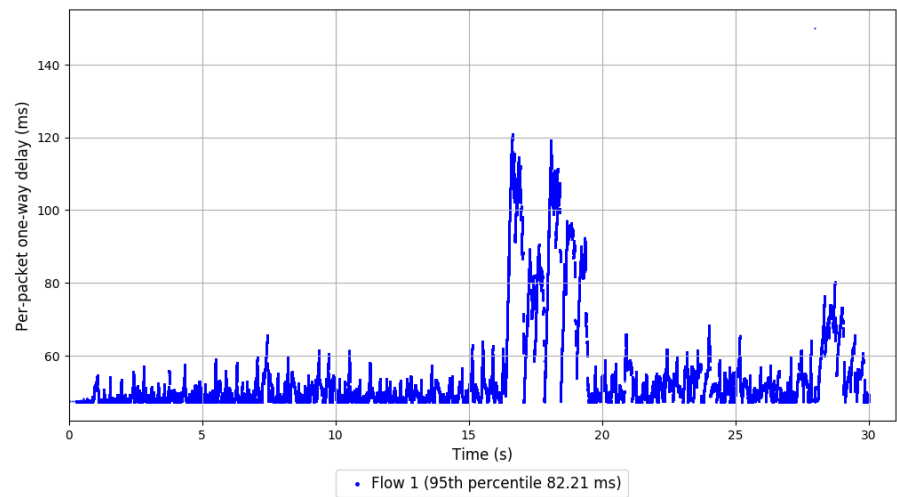
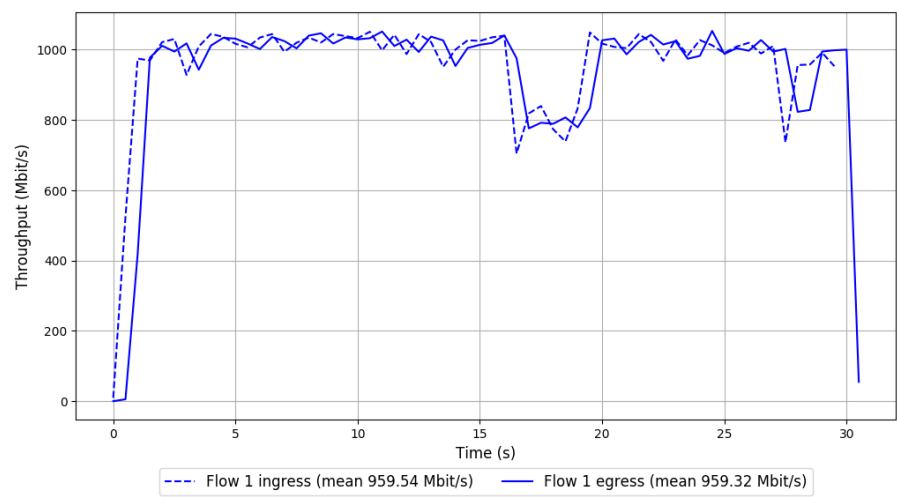


Run 3: Statistics of FillP

Start at: 2019-02-12 12:20:20
End at: 2019-02-12 12:20:50
Local clock offset: 0.04 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2019-02-12 14:40:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 959.32 Mbit/s
95th percentile per-packet one-way delay: 82.208 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 959.32 Mbit/s
95th percentile per-packet one-way delay: 82.208 ms
Loss rate: 0.02%

Run 3: Report of FillP — Data Link

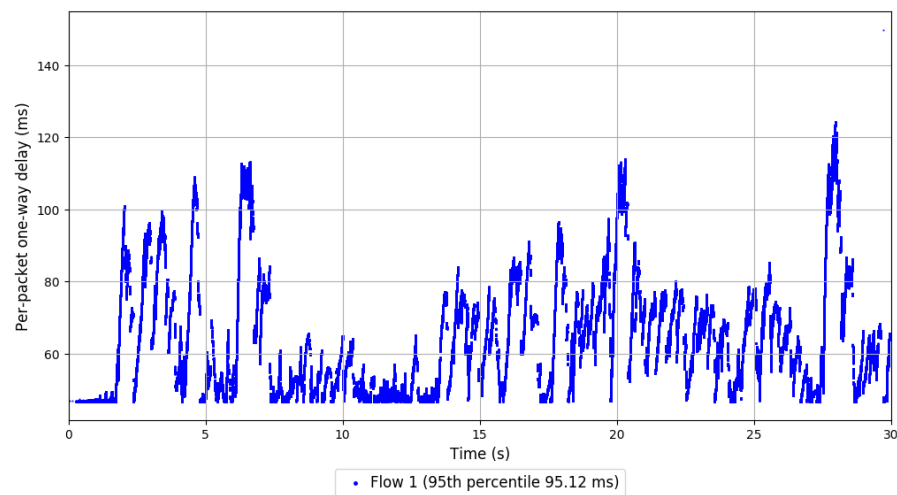
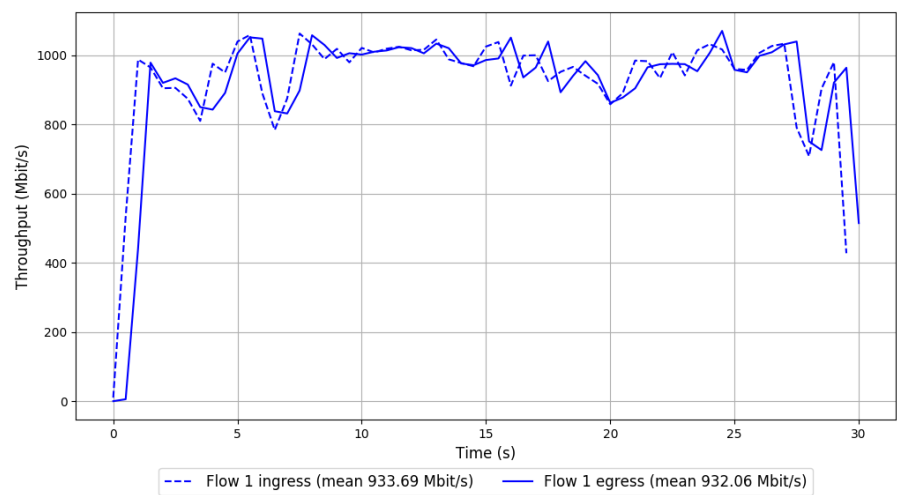


Run 4: Statistics of FillP

Start at: 2019-02-12 12:51:58
End at: 2019-02-12 12:52:29
Local clock offset: -0.441 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2019-02-12 14:40:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 932.06 Mbit/s
95th percentile per-packet one-way delay: 95.117 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 932.06 Mbit/s
95th percentile per-packet one-way delay: 95.117 ms
Loss rate: 0.17%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2019-02-12 13:22:59

End at: 2019-02-12 13:23:29

Local clock offset: 0.136 ms

Remote clock offset: -0.13 ms

Below is generated by plot.py at 2019-02-12 14:41:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 979.12 Mbit/s

95th percentile per-packet one-way delay: 70.403 ms

Loss rate: 0.08%

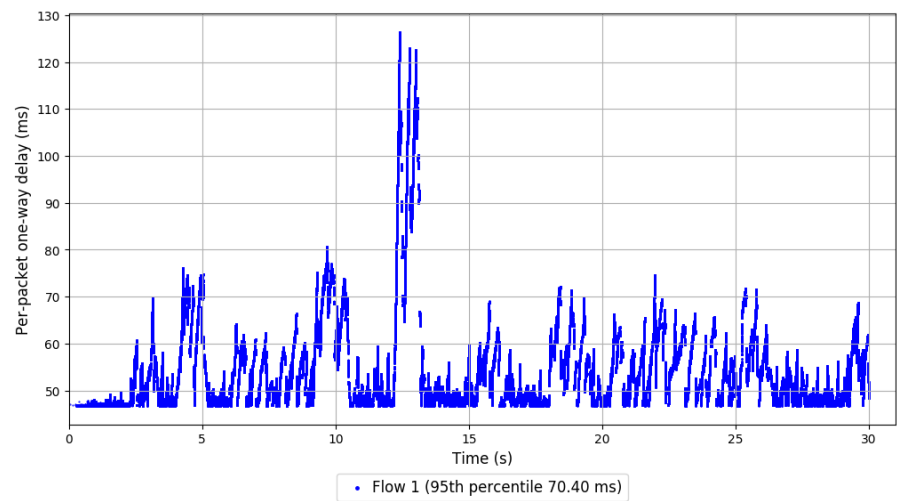
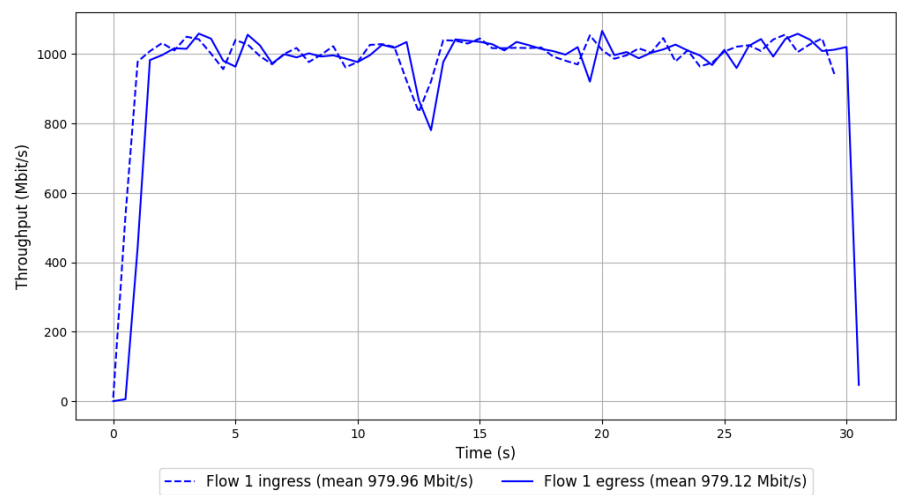
-- Flow 1:

Average throughput: 979.12 Mbit/s

95th percentile per-packet one-way delay: 70.403 ms

Loss rate: 0.08%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-02-12 11:16:45

End at: 2019-02-12 11:17:15

Local clock offset: -0.4 ms

Remote clock offset: -0.012 ms

Below is generated by plot.py at 2019-02-12 14:41:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 936.00 Mbit/s

95th percentile per-packet one-way delay: 99.790 ms

Loss rate: 0.46%

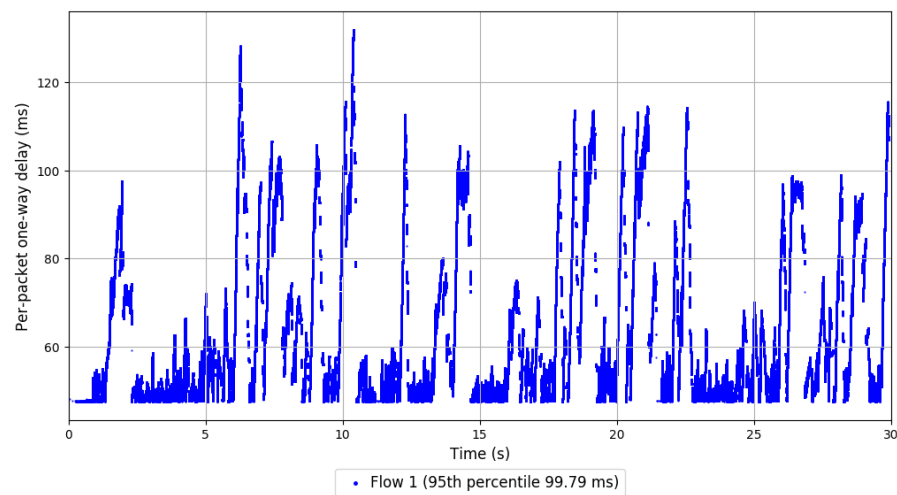
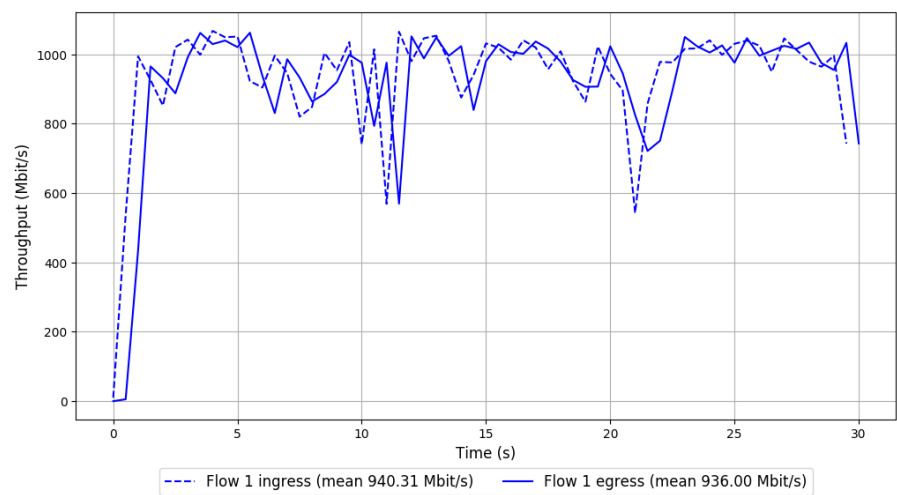
-- Flow 1:

Average throughput: 936.00 Mbit/s

95th percentile per-packet one-way delay: 99.790 ms

Loss rate: 0.46%

Run 1: Report of FillP-Sheep — Data Link

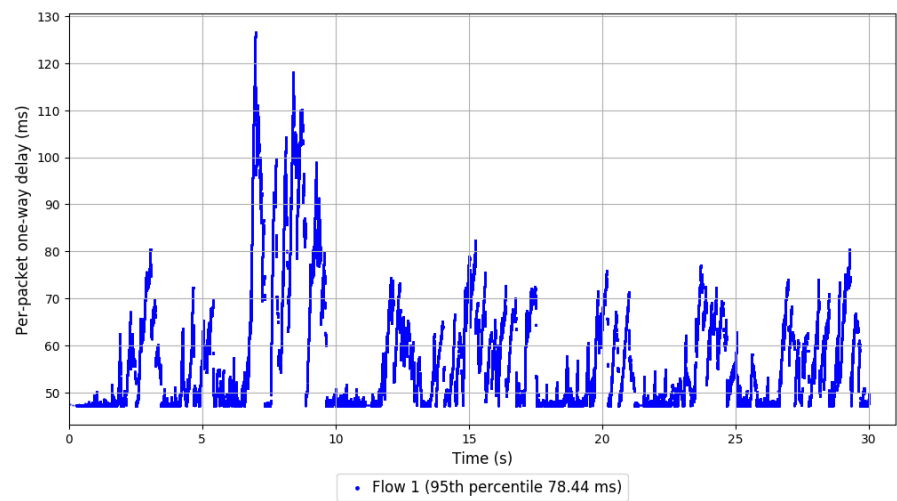
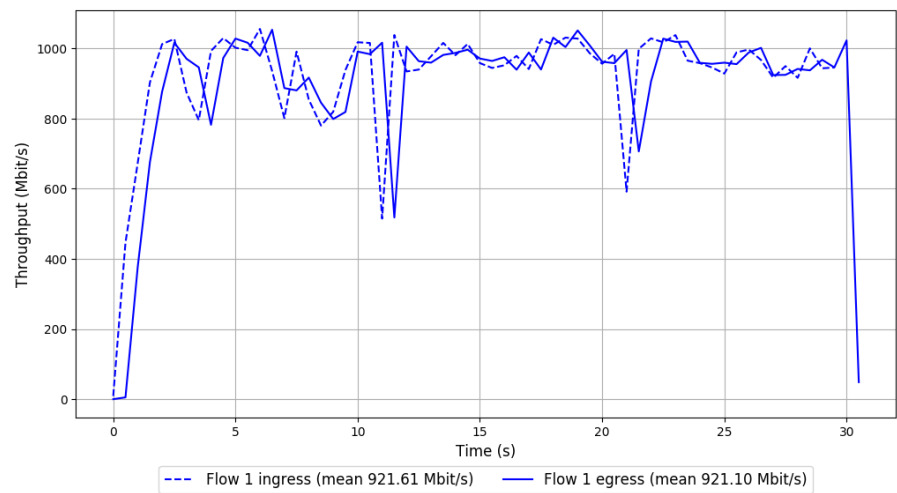


Run 2: Statistics of FillP-Sheep

Start at: 2019-02-12 11:47:42
End at: 2019-02-12 11:48:12
Local clock offset: -0.076 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2019-02-12 14:41:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 921.10 Mbit/s
95th percentile per-packet one-way delay: 78.439 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 921.10 Mbit/s
95th percentile per-packet one-way delay: 78.439 ms
Loss rate: 0.05%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2019-02-12 12:18:37

End at: 2019-02-12 12:19:07

Local clock offset: -0.0 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2019-02-12 14:41:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 911.37 Mbit/s

95th percentile per-packet one-way delay: 99.450 ms

Loss rate: 0.29%

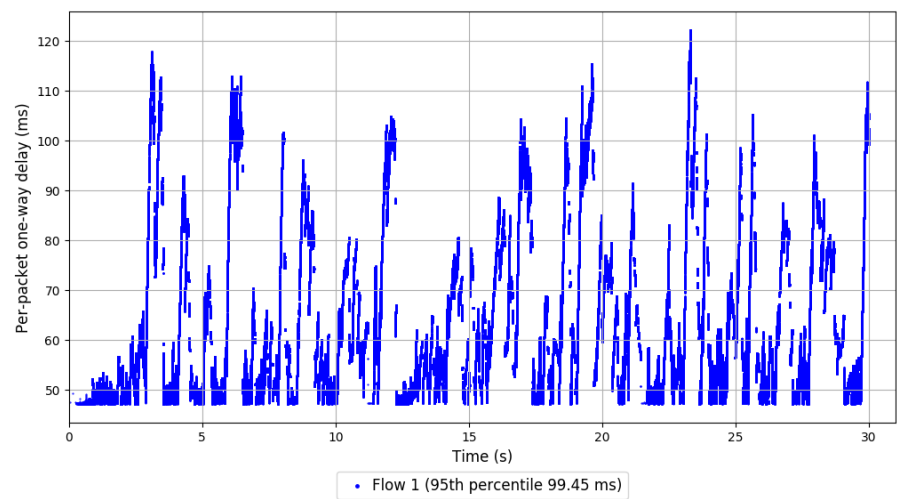
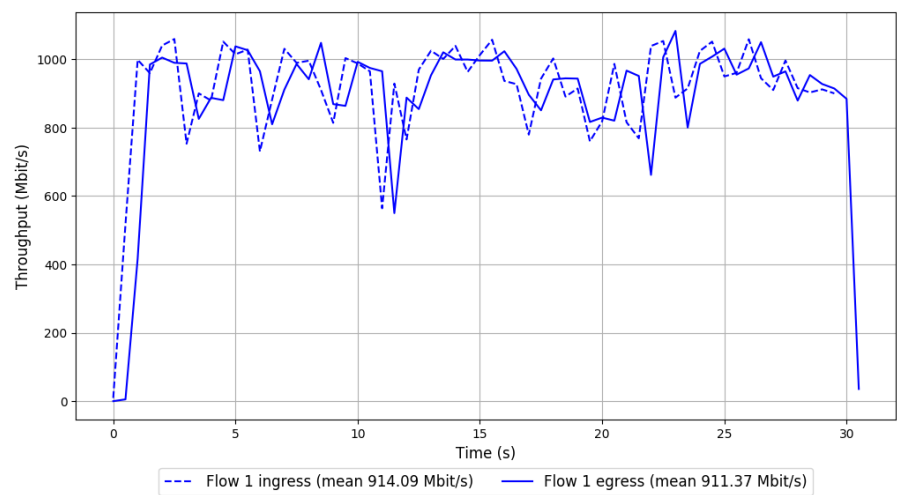
-- Flow 1:

Average throughput: 911.37 Mbit/s

95th percentile per-packet one-way delay: 99.450 ms

Loss rate: 0.29%

Run 3: Report of FillP-Sheep — Data Link

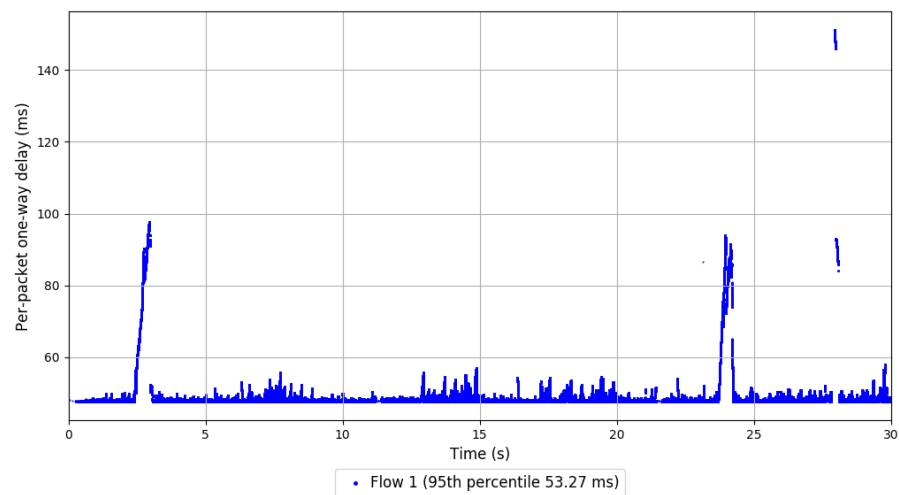
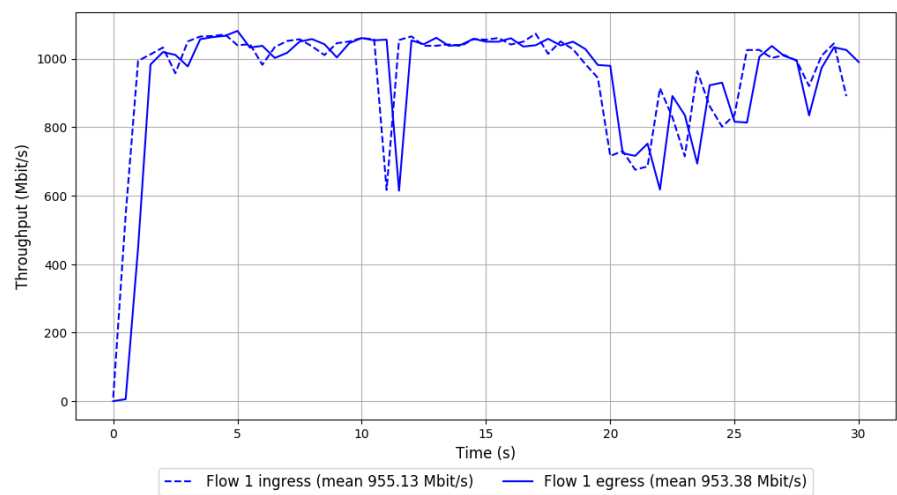


Run 4: Statistics of FillP-Sheep

Start at: 2019-02-12 12:50:00
End at: 2019-02-12 12:50:30
Local clock offset: -0.414 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2019-02-12 14:52:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 953.38 Mbit/s
95th percentile per-packet one-way delay: 53.266 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 953.38 Mbit/s
95th percentile per-packet one-way delay: 53.266 ms
Loss rate: 0.18%

Run 4: Report of FillP-Sheep — Data Link

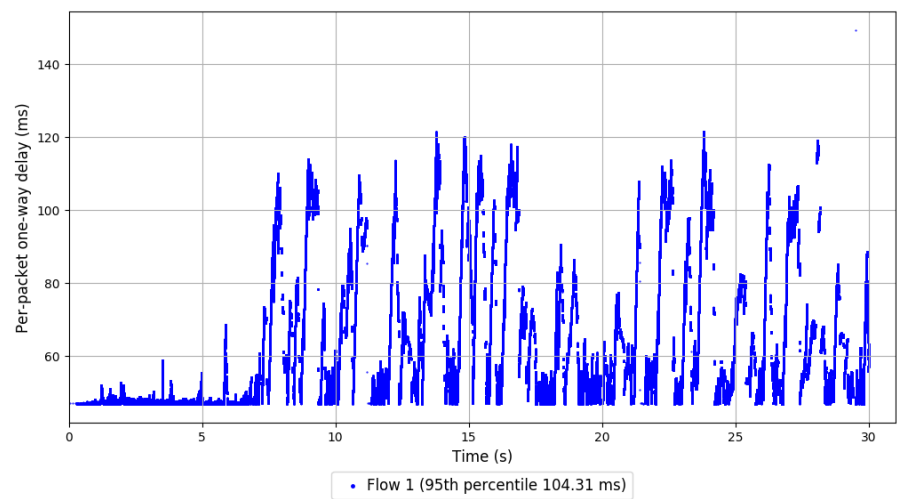
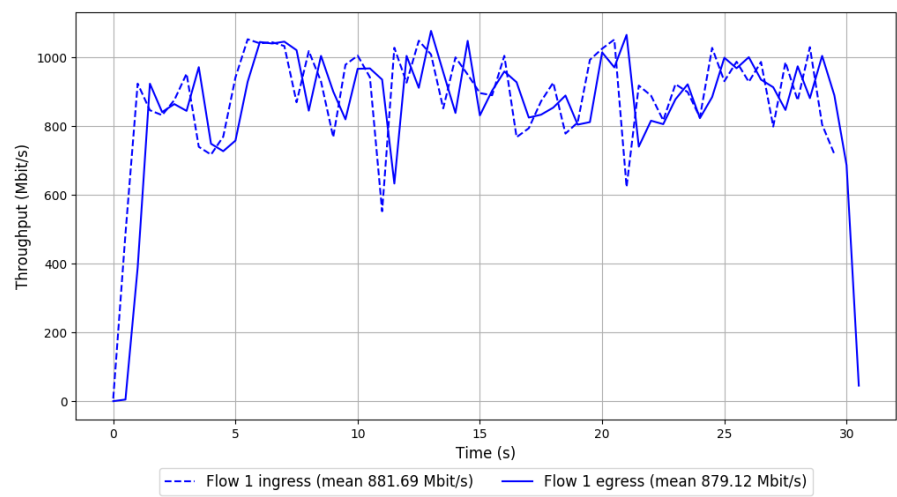


Run 5: Statistics of FillP-Sheep

Start at: 2019-02-12 13:21:17
End at: 2019-02-12 13:21:47
Local clock offset: -0.605 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2019-02-12 15:00:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 879.12 Mbit/s
95th percentile per-packet one-way delay: 104.313 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 879.12 Mbit/s
95th percentile per-packet one-way delay: 104.313 ms
Loss rate: 0.29%

Run 5: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2019-02-12 11:29:59

End at: 2019-02-12 11:30:29

Local clock offset: 0.306 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2019-02-12 15:00:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 228.41 Mbit/s

95th percentile per-packet one-way delay: 47.642 ms

Loss rate: 0.00%

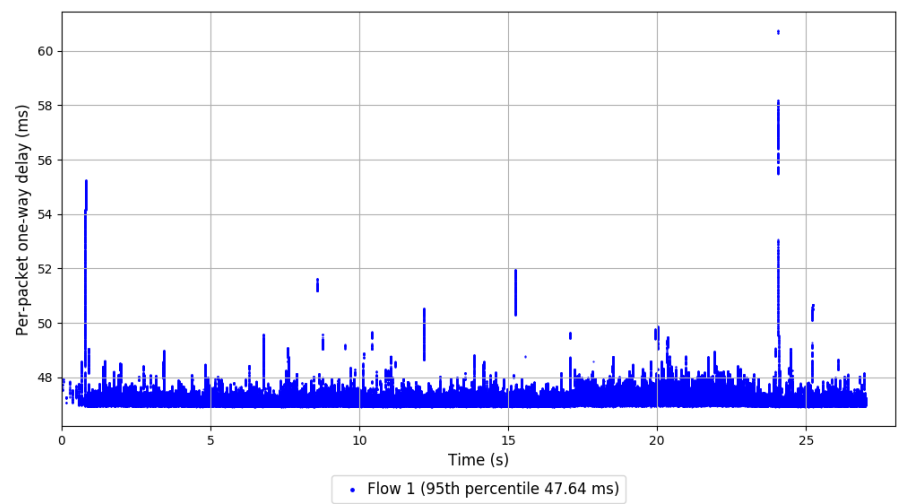
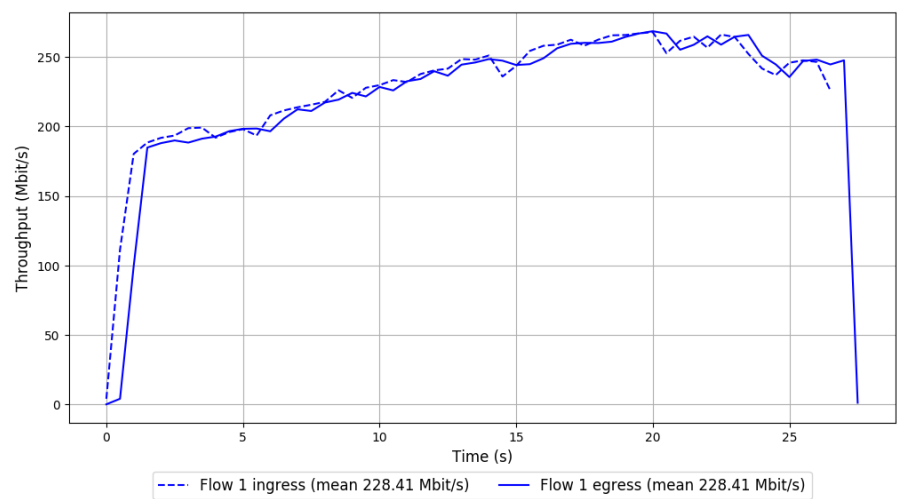
-- Flow 1:

Average throughput: 228.41 Mbit/s

95th percentile per-packet one-way delay: 47.642 ms

Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

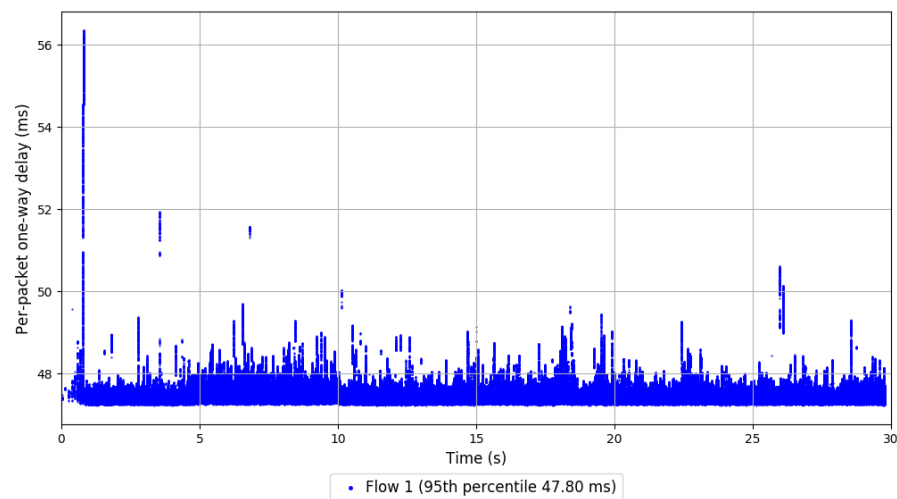
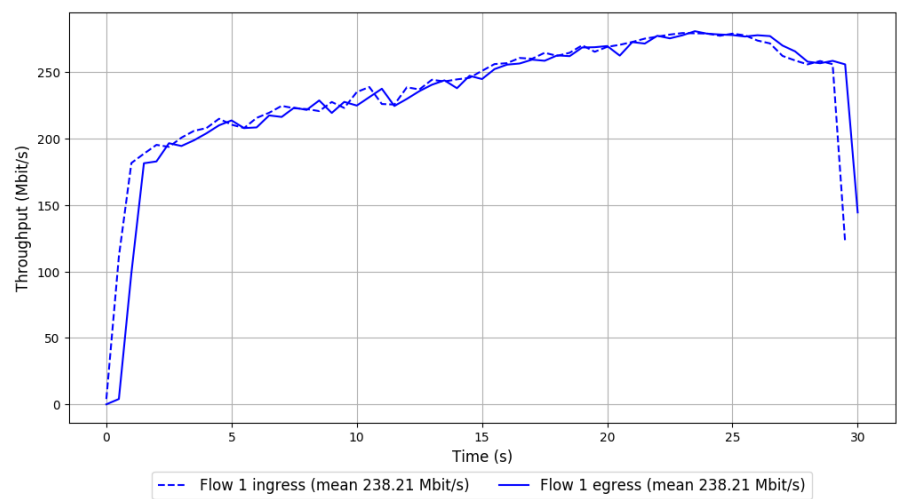


Run 2: Statistics of Indigo

Start at: 2019-02-12 12:00:49
End at: 2019-02-12 12:01:19
Local clock offset: -0.013 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2019-02-12 15:00:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 238.21 Mbit/s
95th percentile per-packet one-way delay: 47.802 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 238.21 Mbit/s
95th percentile per-packet one-way delay: 47.802 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

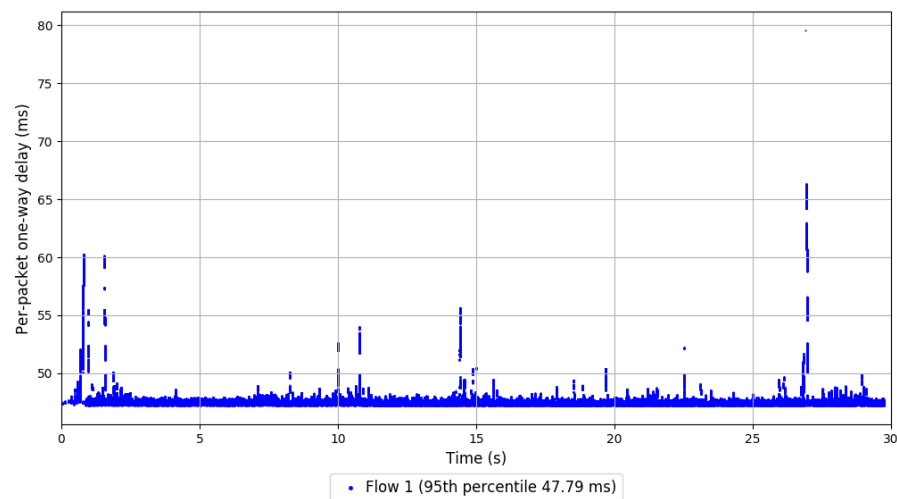
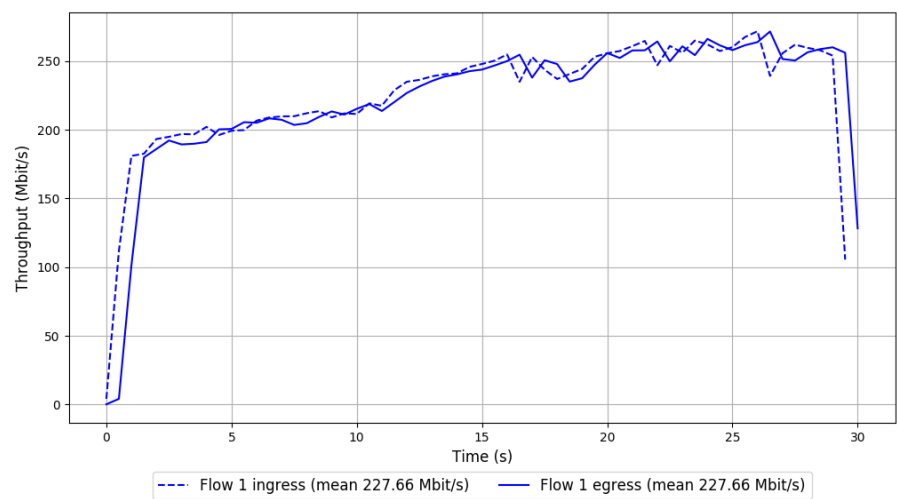


Run 3: Statistics of Indigo

Start at: 2019-02-12 12:31:38
End at: 2019-02-12 12:32:08
Local clock offset: -0.056 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2019-02-12 15:00:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 227.66 Mbit/s
95th percentile per-packet one-way delay: 47.789 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 227.66 Mbit/s
95th percentile per-packet one-way delay: 47.789 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

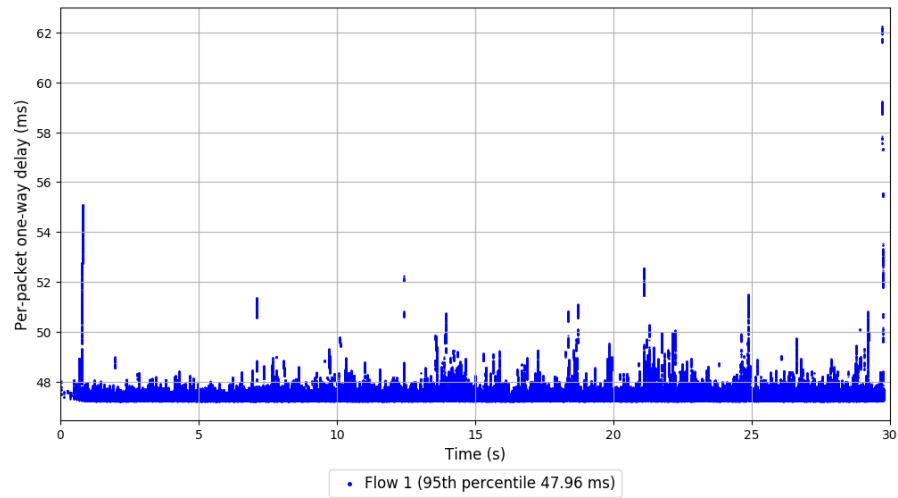
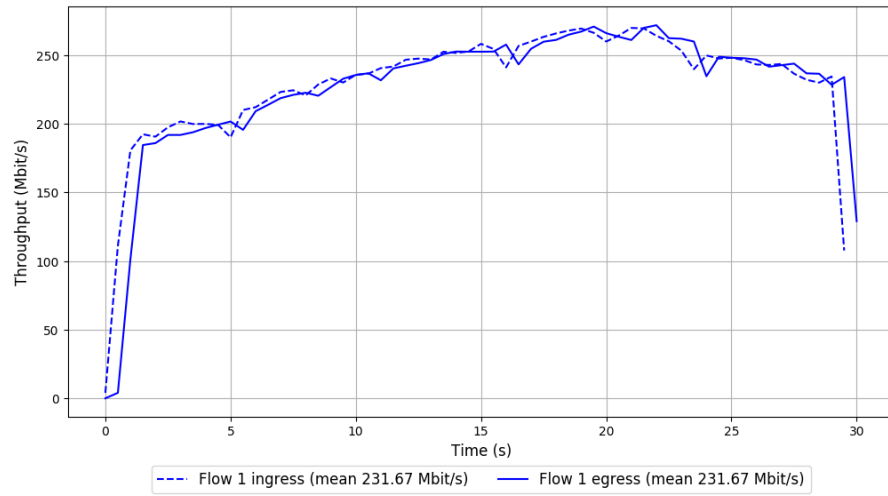


Run 4: Statistics of Indigo

Start at: 2019-02-12 13:03:25
End at: 2019-02-12 13:03:55
Local clock offset: -0.151 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2019-02-12 15:00:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 231.67 Mbit/s
95th percentile per-packet one-way delay: 47.958 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 231.67 Mbit/s
95th percentile per-packet one-way delay: 47.958 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

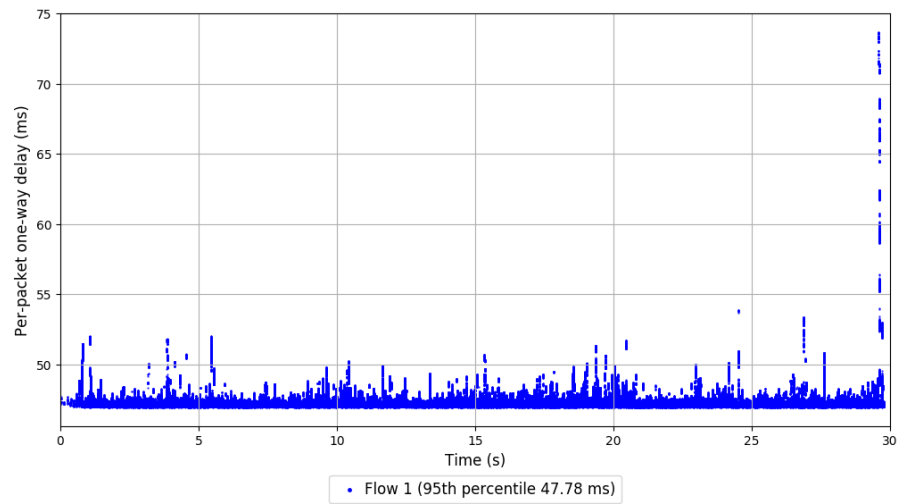
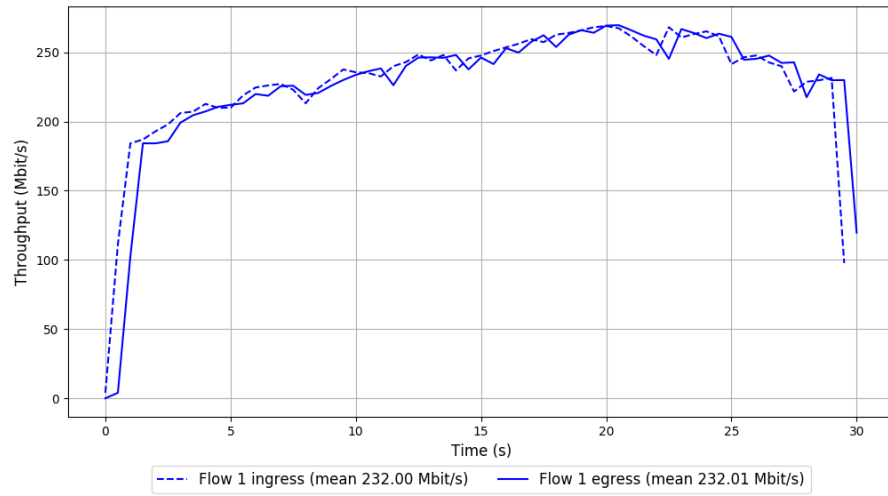


Run 5: Statistics of Indigo

Start at: 2019-02-12 13:34:17
End at: 2019-02-12 13:34:47
Local clock offset: -0.099 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2019-02-12 15:00:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 232.01 Mbit/s
95th percentile per-packet one-way delay: 47.785 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 232.01 Mbit/s
95th percentile per-packet one-way delay: 47.785 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

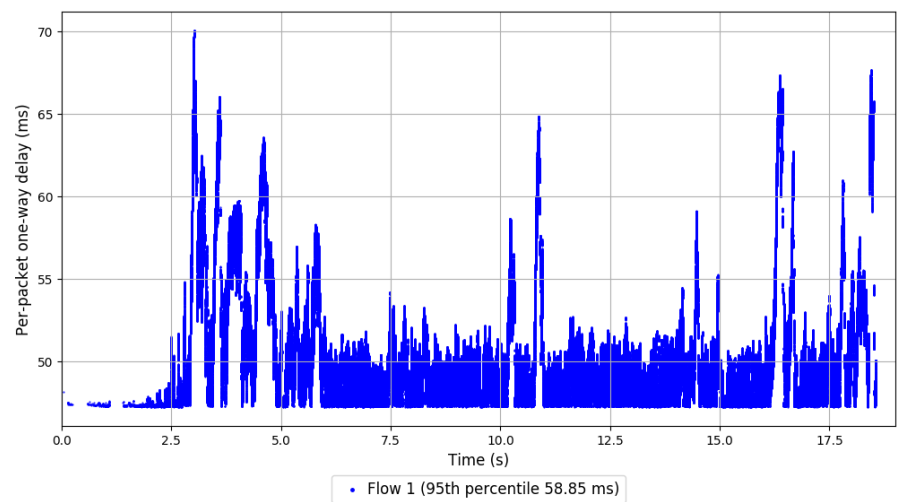
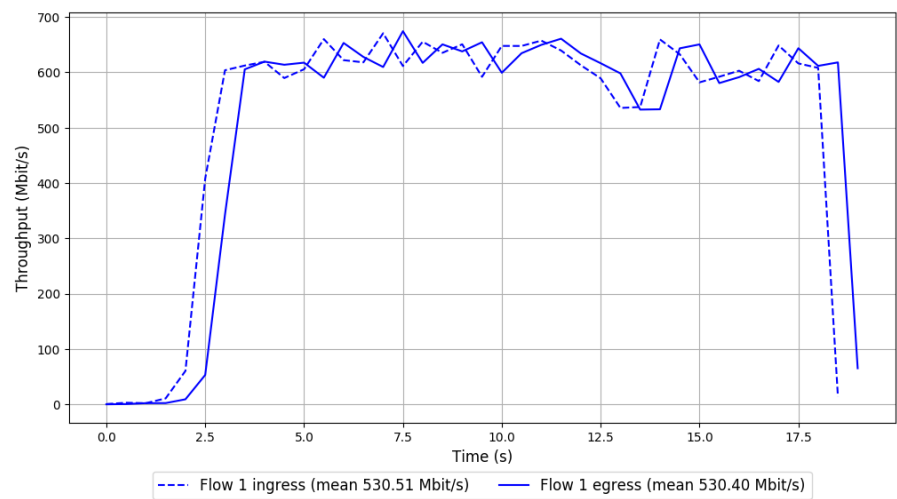
Start at: 2019-02-12 11:13:29

End at: 2019-02-12 11:13:59

Local clock offset: -0.02 ms

Remote clock offset: -0.025 ms

Run 1: Report of Indigo-MusesC3 — Data Link

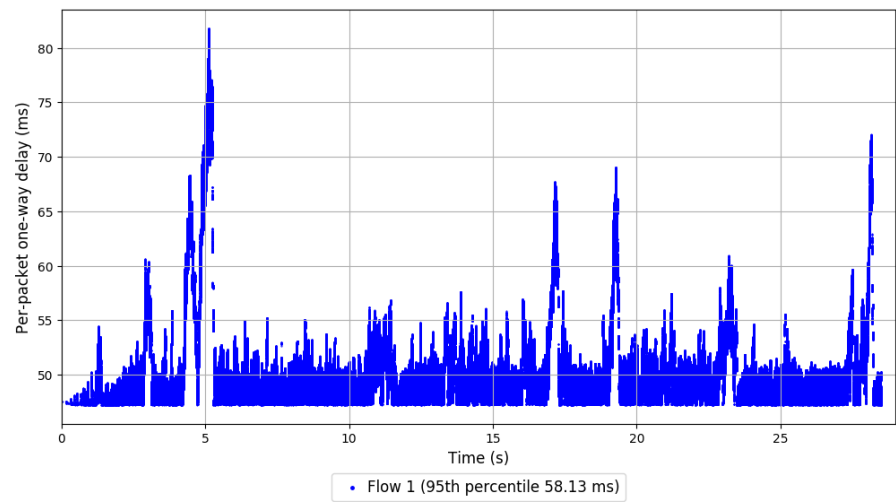
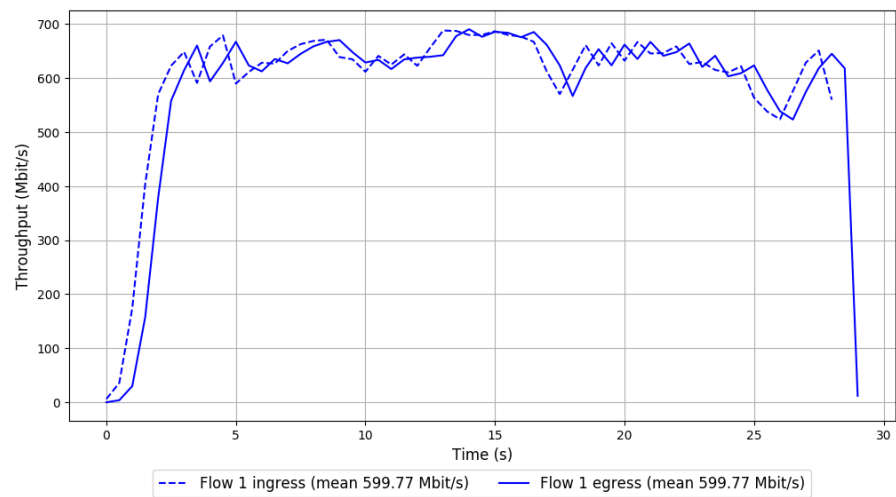


Run 2: Statistics of Indigo-MusesC3

Start at: 2019-02-12 11:44:31
End at: 2019-02-12 11:45:01
Local clock offset: -0.011 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2019-02-12 15:00:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 599.77 Mbit/s
95th percentile per-packet one-way delay: 58.135 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 599.77 Mbit/s
95th percentile per-packet one-way delay: 58.135 ms
Loss rate: 0.00%

Run 2: Report of Indigo-MusesC3 — Data Link

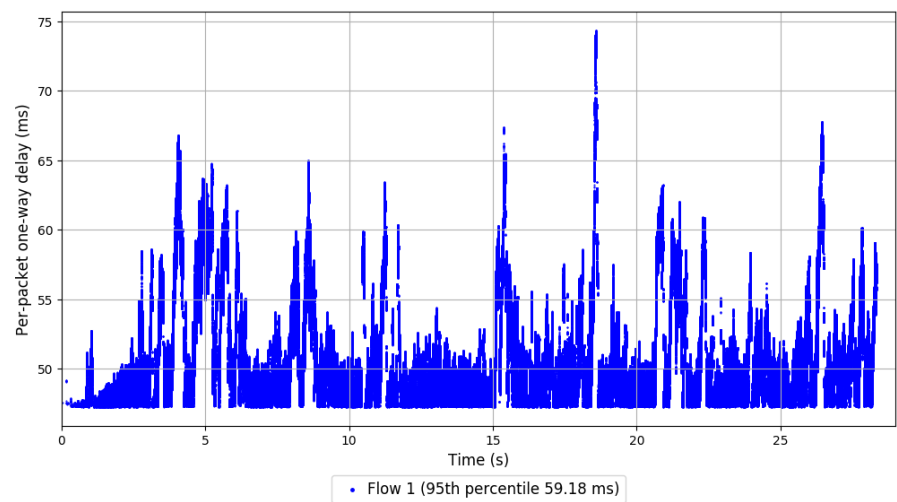
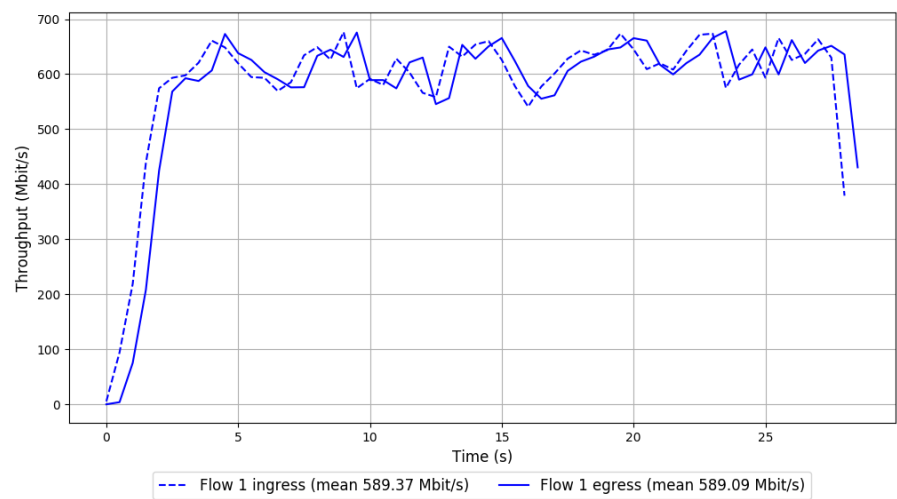


Run 3: Statistics of Indigo-MusesC3

Start at: 2019-02-12 12:15:26
End at: 2019-02-12 12:15:56
Local clock offset: -0.003 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2019-02-12 15:00:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 589.09 Mbit/s
95th percentile per-packet one-way delay: 59.180 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 589.09 Mbit/s
95th percentile per-packet one-way delay: 59.180 ms
Loss rate: 0.04%

Run 3: Report of Indigo-MusesC3 — Data Link

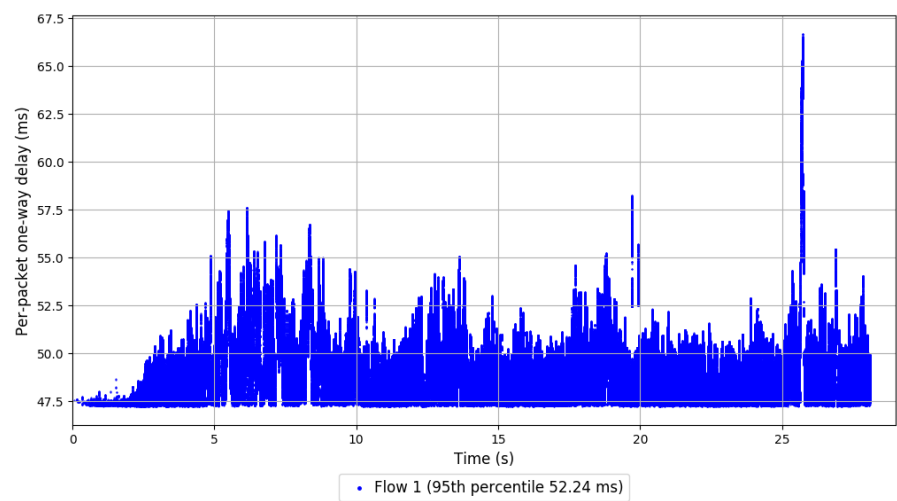
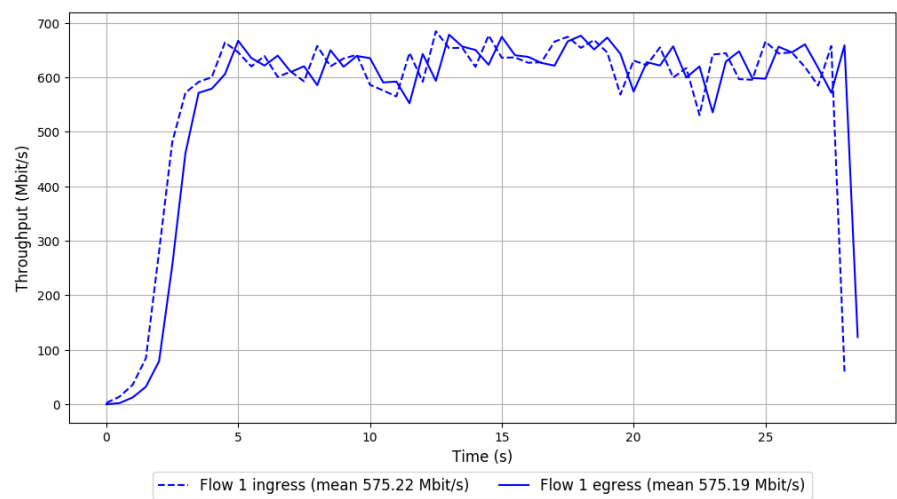


Run 4: Statistics of Indigo-MusesC3

Start at: 2019-02-12 12:46:39
End at: 2019-02-12 12:47:09
Local clock offset: -0.026 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2019-02-12 15:00:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 575.19 Mbit/s
95th percentile per-packet one-way delay: 52.240 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 575.19 Mbit/s
95th percentile per-packet one-way delay: 52.240 ms
Loss rate: 0.00%

Run 4: Report of Indigo-MusesC3 — Data Link

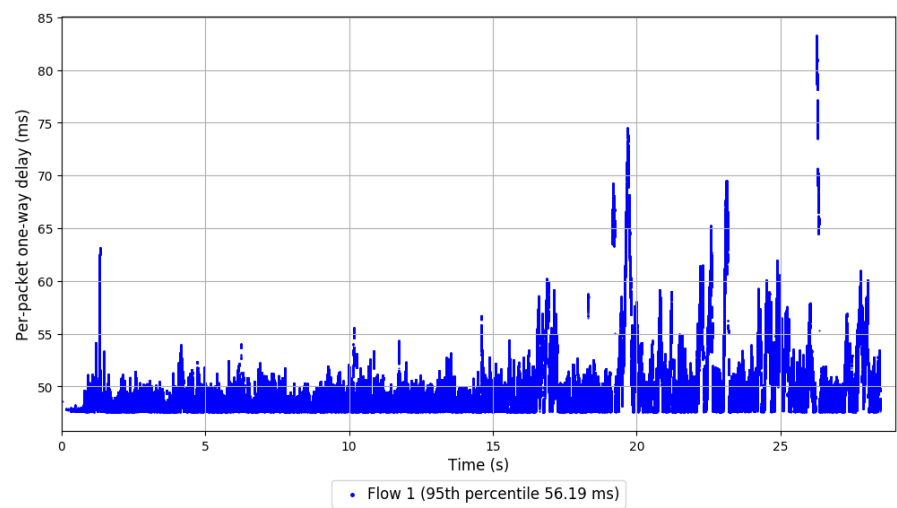
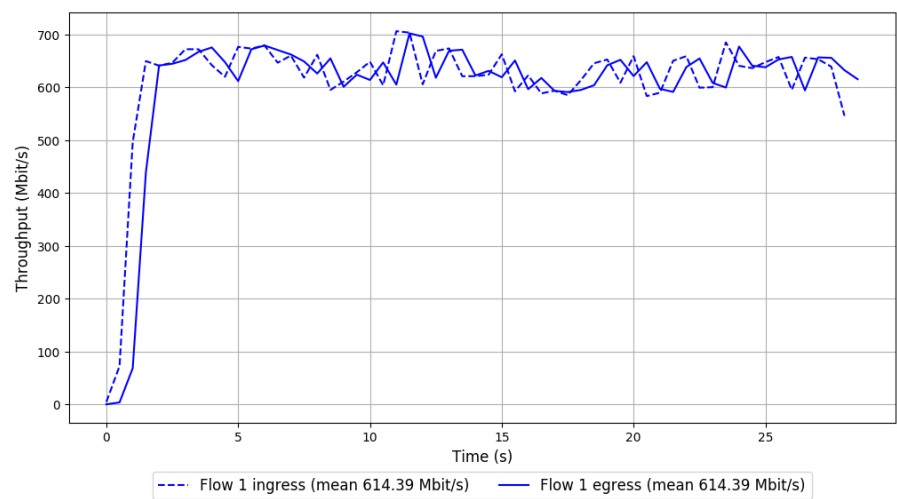


Run 5: Statistics of Indigo-MusesC3

Start at: 2019-02-12 13:18:07
End at: 2019-02-12 13:18:37
Local clock offset: -0.594 ms
Remote clock offset: -0.127 ms

Below is generated by plot.py at 2019-02-12 15:00:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 614.39 Mbit/s
95th percentile per-packet one-way delay: 56.189 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 614.39 Mbit/s
95th percentile per-packet one-way delay: 56.189 ms
Loss rate: 0.00%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2019-02-12 11:21:37

End at: 2019-02-12 11:22:07

Local clock offset: 0.323 ms

Remote clock offset: -0.088 ms

Below is generated by plot.py at 2019-02-12 15:00:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 592.58 Mbit/s

95th percentile per-packet one-way delay: 59.462 ms

Loss rate: 0.03%

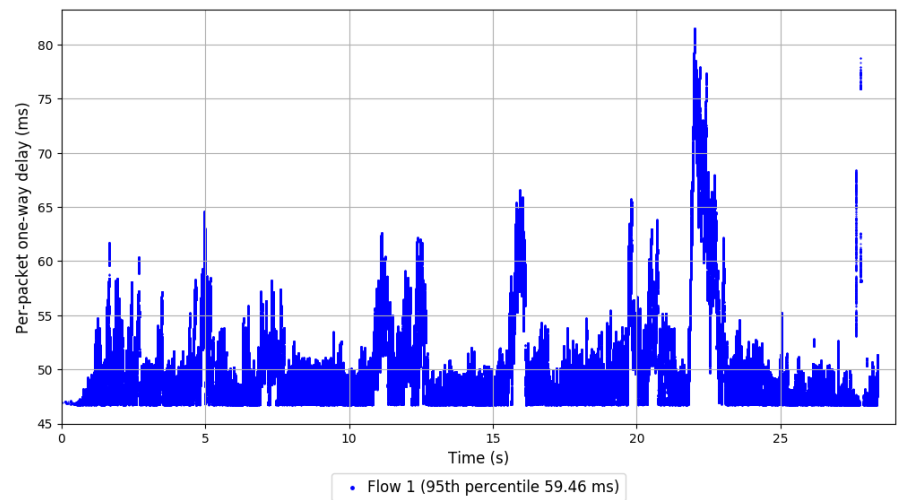
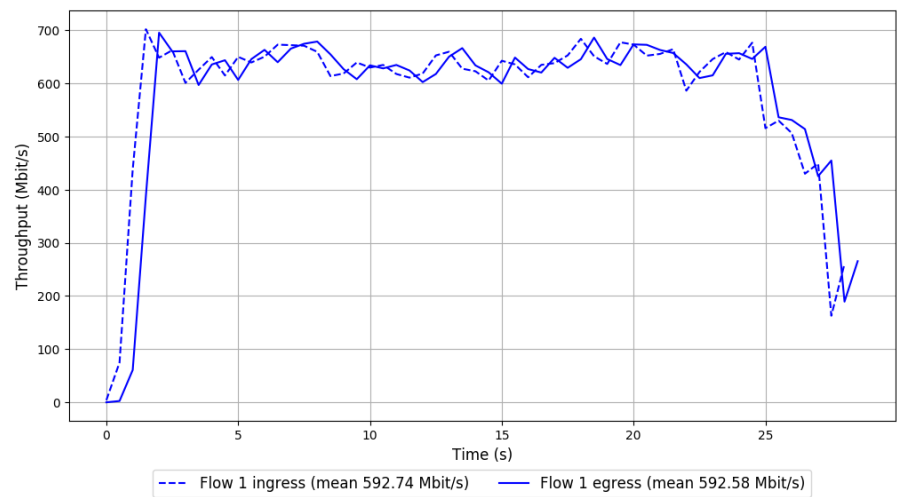
-- Flow 1:

Average throughput: 592.58 Mbit/s

95th percentile per-packet one-way delay: 59.462 ms

Loss rate: 0.03%

Run 1: Report of Indigo-MusesC5 — Data Link

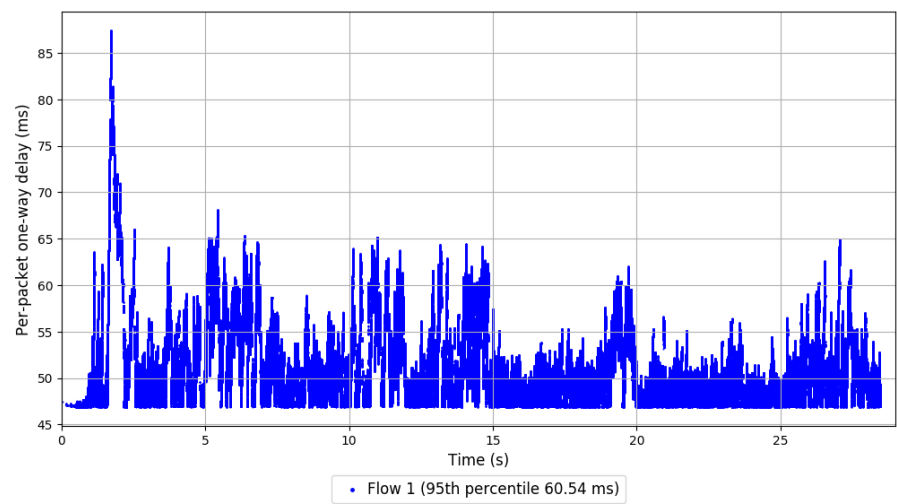
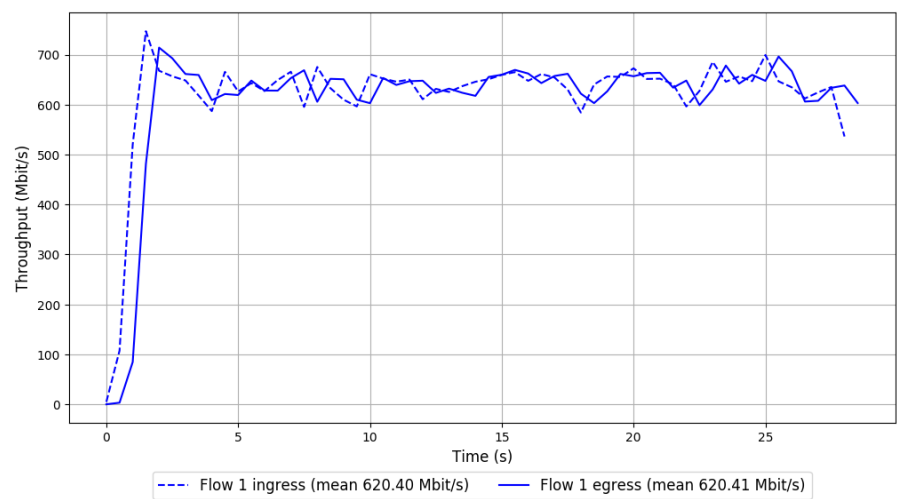


Run 2: Statistics of Indigo-MusesC5

Start at: 2019-02-12 11:52:21
End at: 2019-02-12 11:52:51
Local clock offset: 0.361 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2019-02-12 15:01:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 620.41 Mbit/s
95th percentile per-packet one-way delay: 60.541 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 620.41 Mbit/s
95th percentile per-packet one-way delay: 60.541 ms
Loss rate: 0.00%

Run 2: Report of Indigo-MusesC5 — Data Link

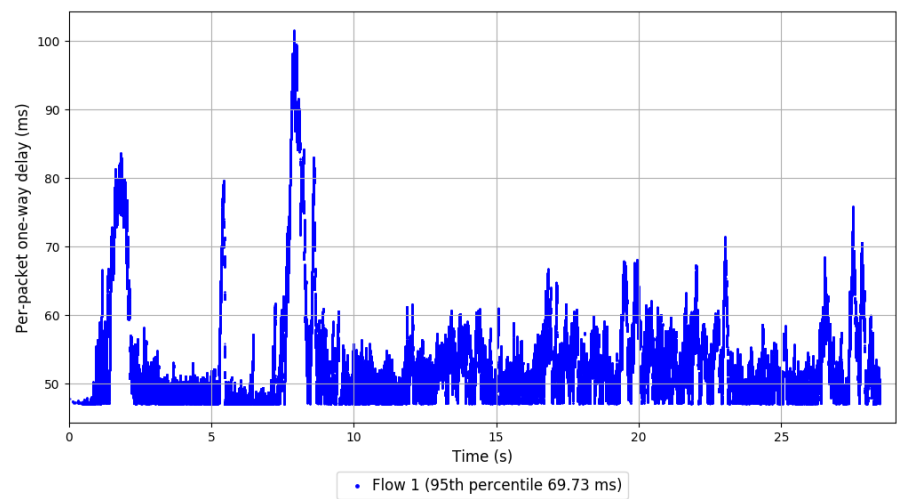
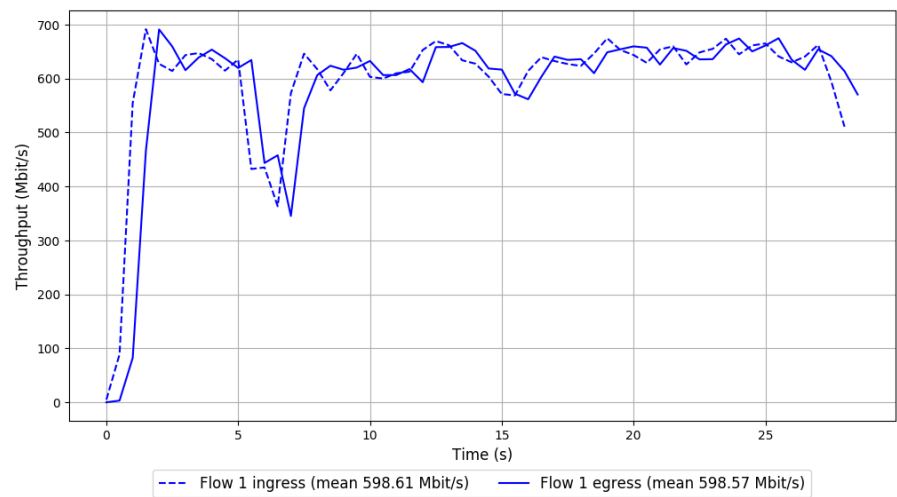


Run 3: Statistics of Indigo-MusesC5

Start at: 2019-02-12 12:23:15
End at: 2019-02-12 12:23:45
Local clock offset: -0.009 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2019-02-12 15:03:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 598.57 Mbit/s
95th percentile per-packet one-way delay: 69.726 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 598.57 Mbit/s
95th percentile per-packet one-way delay: 69.726 ms
Loss rate: 0.01%

Run 3: Report of Indigo-MusesC5 — Data Link

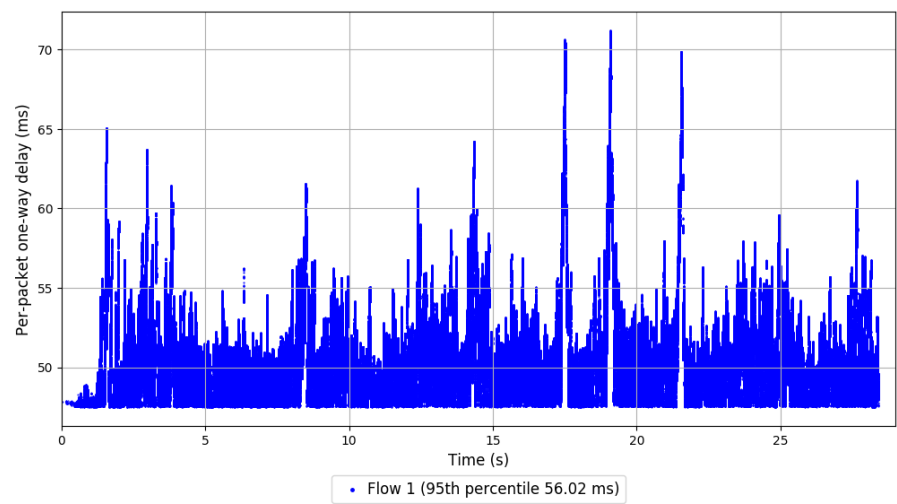
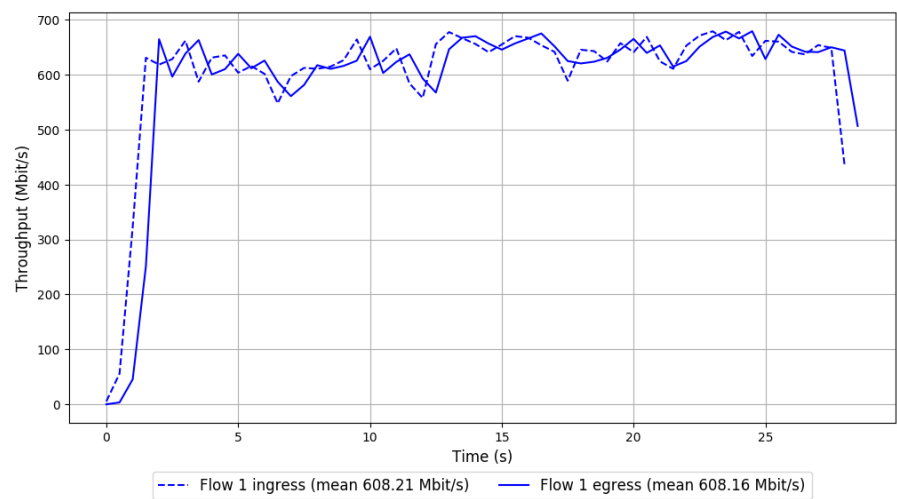


Run 4: Statistics of Indigo-MusesC5

Start at: 2019-02-12 12:55:01
End at: 2019-02-12 12:55:31
Local clock offset: -0.169 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2019-02-12 15:10:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 608.16 Mbit/s
95th percentile per-packet one-way delay: 56.021 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 608.16 Mbit/s
95th percentile per-packet one-way delay: 56.021 ms
Loss rate: 0.01%

Run 4: Report of Indigo-MusesC5 — Data Link

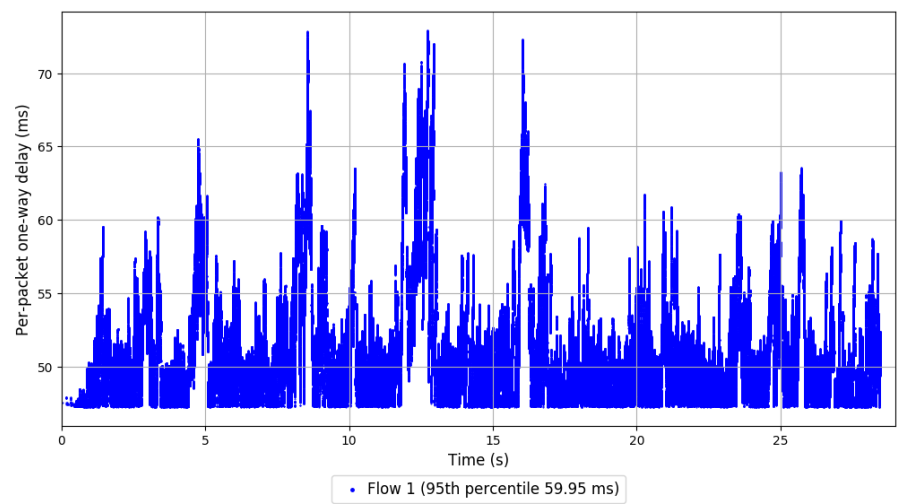
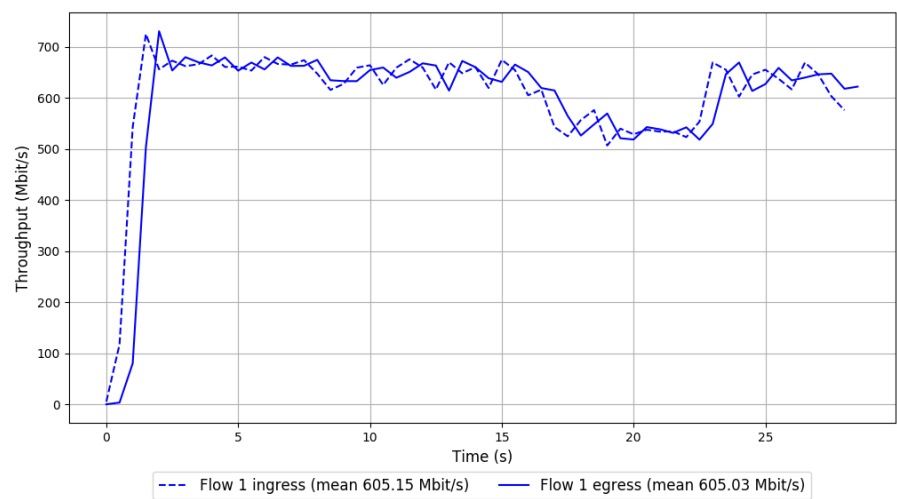


Run 5: Statistics of Indigo-MusesC5

Start at: 2019-02-12 13:25:57
End at: 2019-02-12 13:26:27
Local clock offset: -0.258 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2019-02-12 15:10:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 605.03 Mbit/s
95th percentile per-packet one-way delay: 59.945 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 605.03 Mbit/s
95th percentile per-packet one-way delay: 59.945 ms
Loss rate: 0.02%

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

Start at: 2019-02-12 11:27:18

End at: 2019-02-12 11:27:48

Local clock offset: 0.31 ms

Remote clock offset: -0.037 ms

Below is generated by plot.py at 2019-02-12 15:10:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 520.87 Mbit/s

95th percentile per-packet one-way delay: 53.074 ms

Loss rate: 0.00%

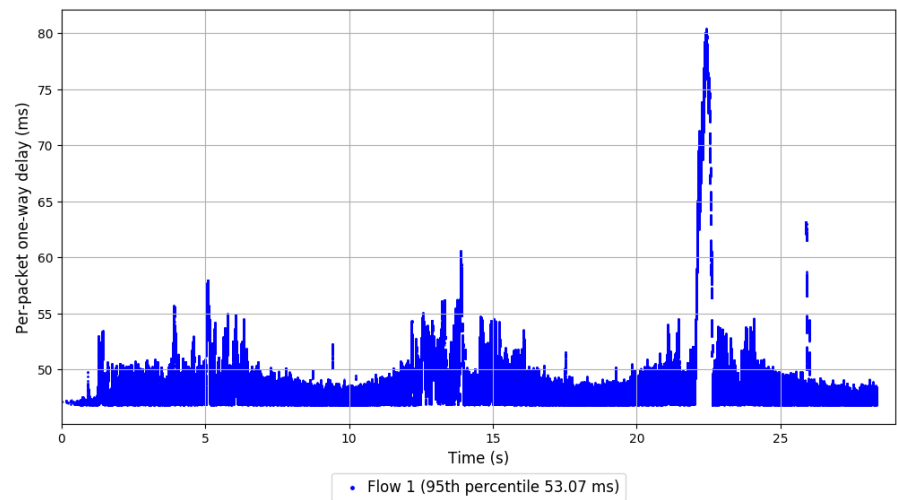
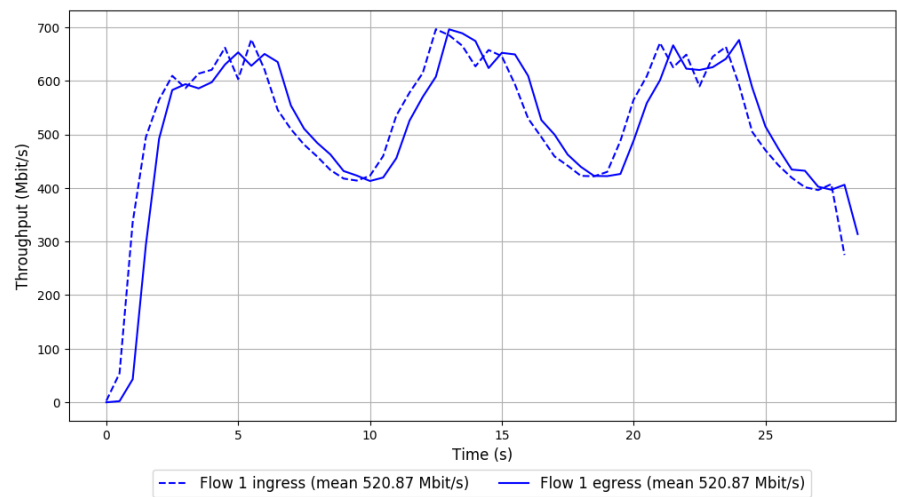
-- Flow 1:

Average throughput: 520.87 Mbit/s

95th percentile per-packet one-way delay: 53.074 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-02-12 11:58:06

End at: 2019-02-12 11:58:36

Local clock offset: -0.018 ms

Remote clock offset: -0.033 ms

Below is generated by plot.py at 2019-02-12 15:10:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 536.38 Mbit/s

95th percentile per-packet one-way delay: 63.411 ms

Loss rate: 0.00%

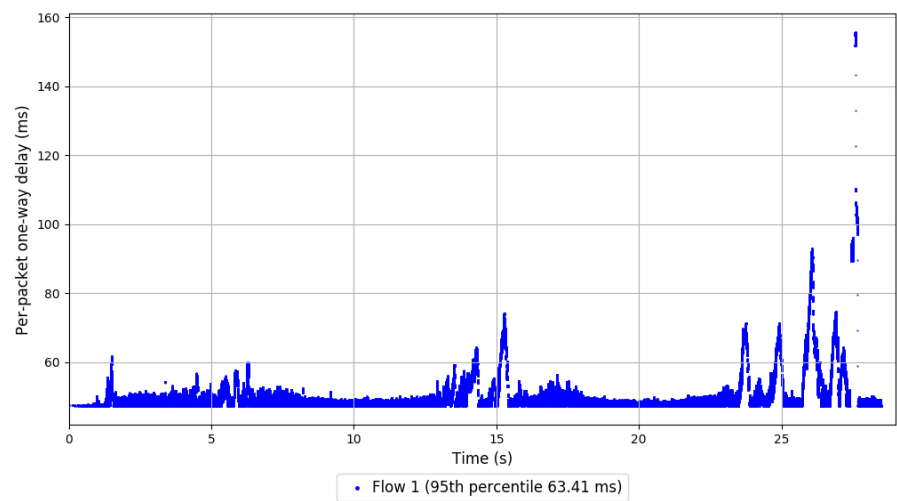
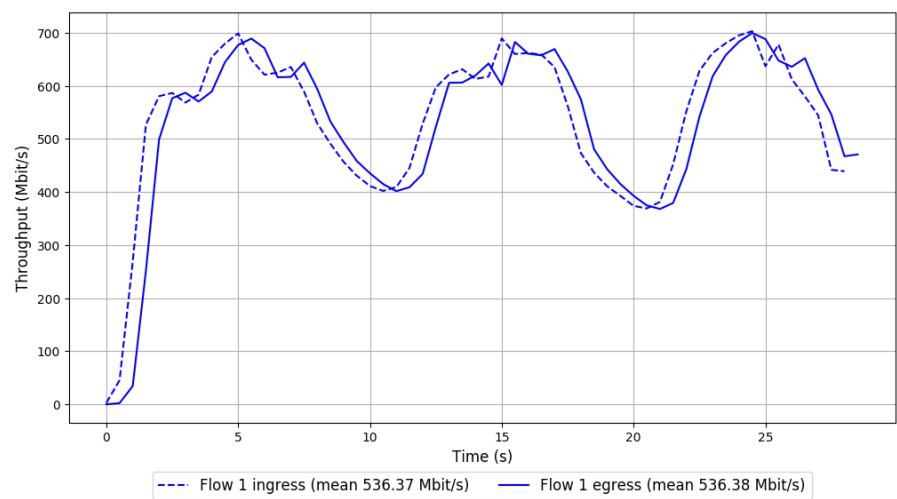
-- Flow 1:

Average throughput: 536.38 Mbit/s

95th percentile per-packet one-way delay: 63.411 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-02-12 12:28:55

End at: 2019-02-12 12:29:26

Local clock offset: -0.025 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2019-02-12 15:10:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 521.86 Mbit/s

95th percentile per-packet one-way delay: 54.825 ms

Loss rate: 0.00%

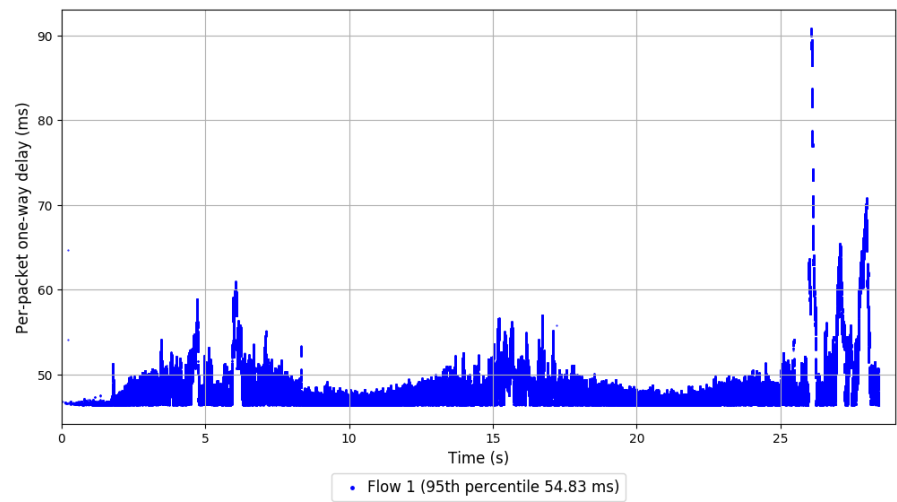
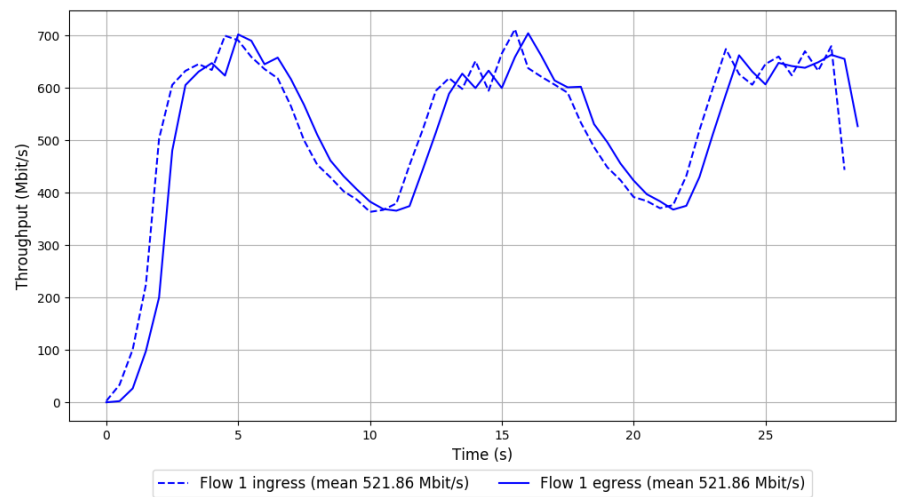
-- Flow 1:

Average throughput: 521.86 Mbit/s

95th percentile per-packet one-way delay: 54.825 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-02-12 13:00:43

End at: 2019-02-12 13:01:13

Local clock offset: -0.112 ms

Remote clock offset: -0.079 ms

Below is generated by plot.py at 2019-02-12 15:11:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 533.59 Mbit/s

95th percentile per-packet one-way delay: 61.529 ms

Loss rate: 0.00%

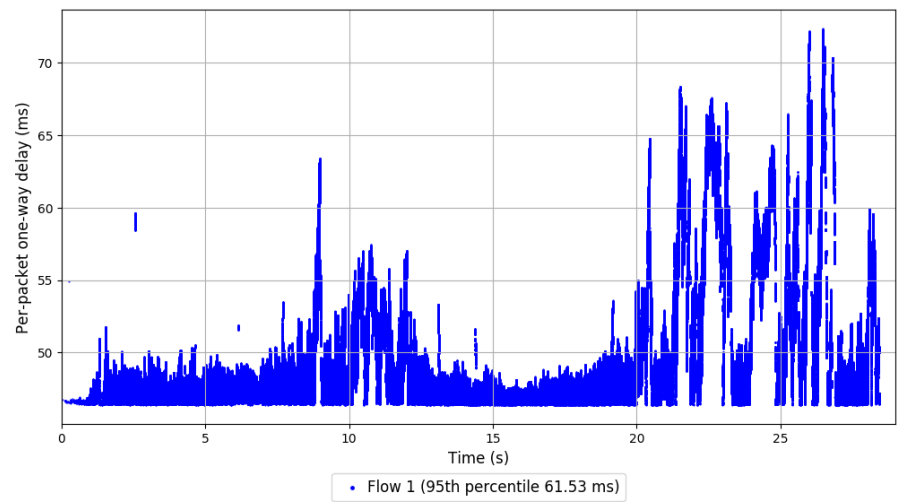
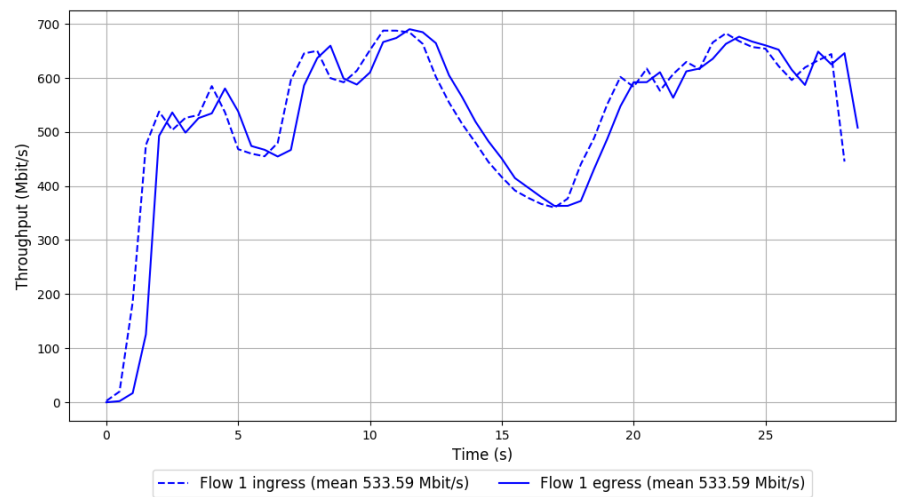
-- Flow 1:

Average throughput: 533.59 Mbit/s

95th percentile per-packet one-way delay: 61.529 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesD — Data Link

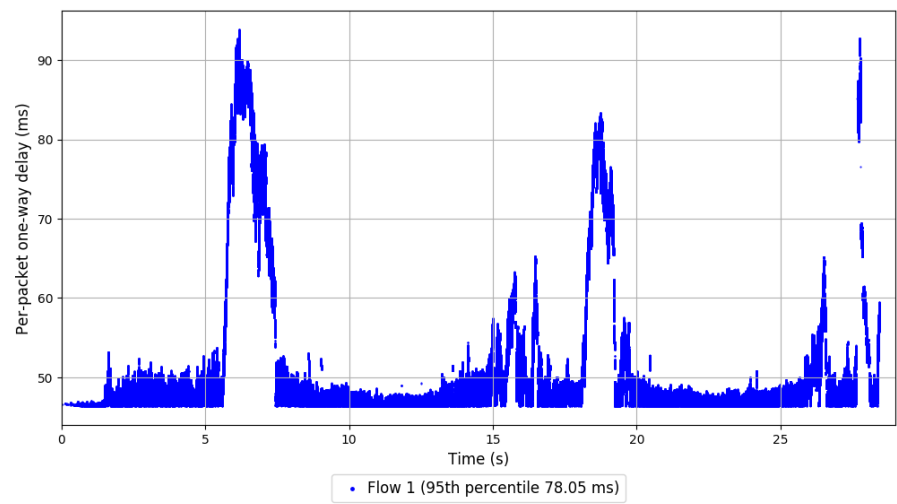
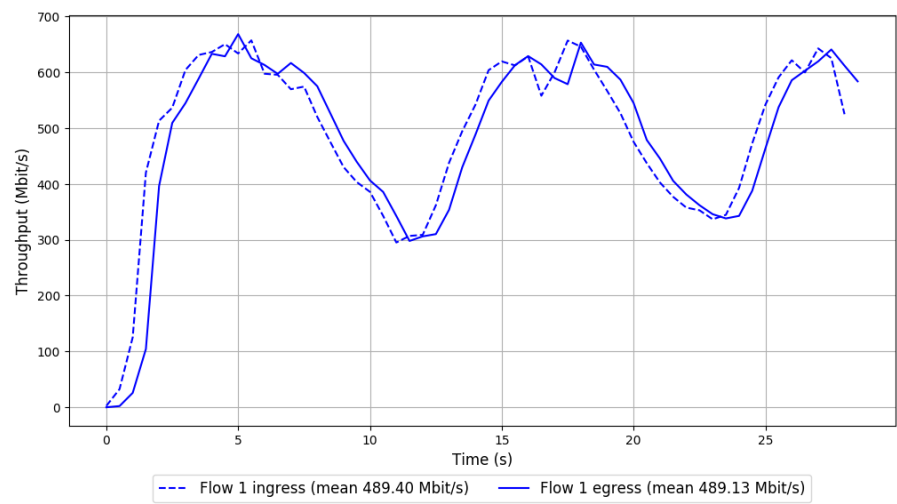


Run 5: Statistics of Indigo-MusesD

Start at: 2019-02-12 13:31:37
End at: 2019-02-12 13:32:07
Local clock offset: -0.281 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2019-02-12 15:11:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 489.13 Mbit/s
95th percentile per-packet one-way delay: 78.054 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 489.13 Mbit/s
95th percentile per-packet one-way delay: 78.054 ms
Loss rate: 0.05%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MusesT

Start at: 2019-02-12 11:14:54

End at: 2019-02-12 11:15:24

Local clock offset: -0.434 ms

Remote clock offset: -0.041 ms

Below is generated by plot.py at 2019-02-12 15:15:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 632.82 Mbit/s

95th percentile per-packet one-way delay: 82.772 ms

Loss rate: 0.00%

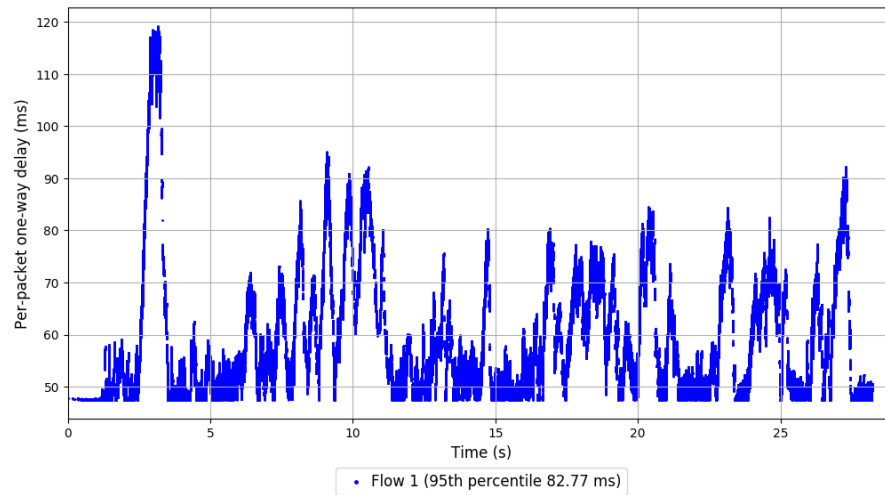
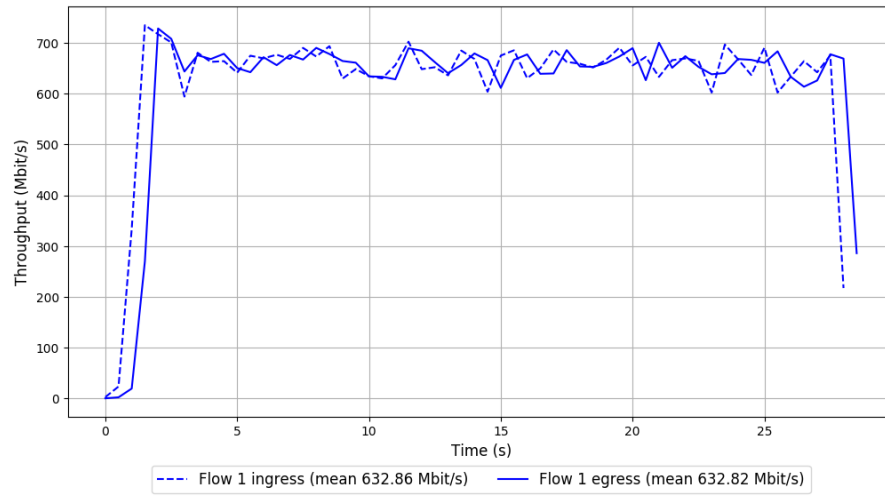
-- Flow 1:

Average throughput: 632.82 Mbit/s

95th percentile per-packet one-way delay: 82.772 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-02-12 11:46:06

End at: 2019-02-12 11:46:36

Local clock offset: 0.356 ms

Remote clock offset: -0.073 ms

Below is generated by plot.py at 2019-02-12 15:20:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 621.02 Mbit/s

95th percentile per-packet one-way delay: 80.883 ms

Loss rate: 0.00%

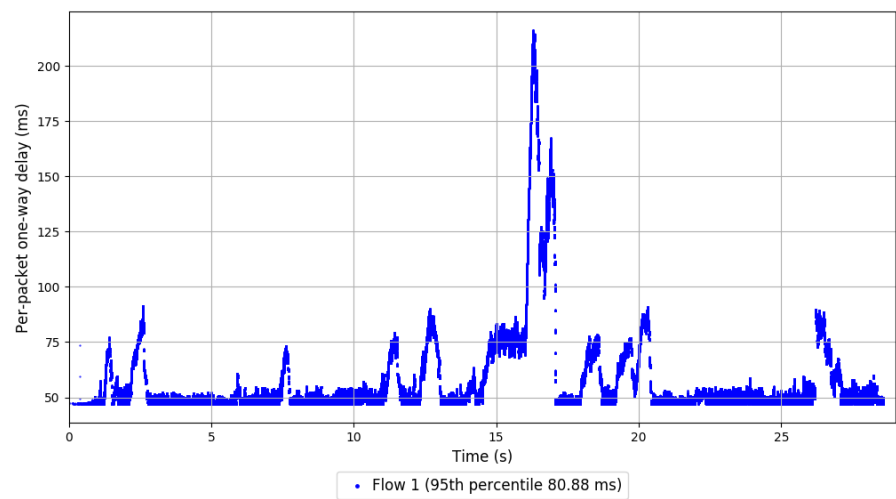
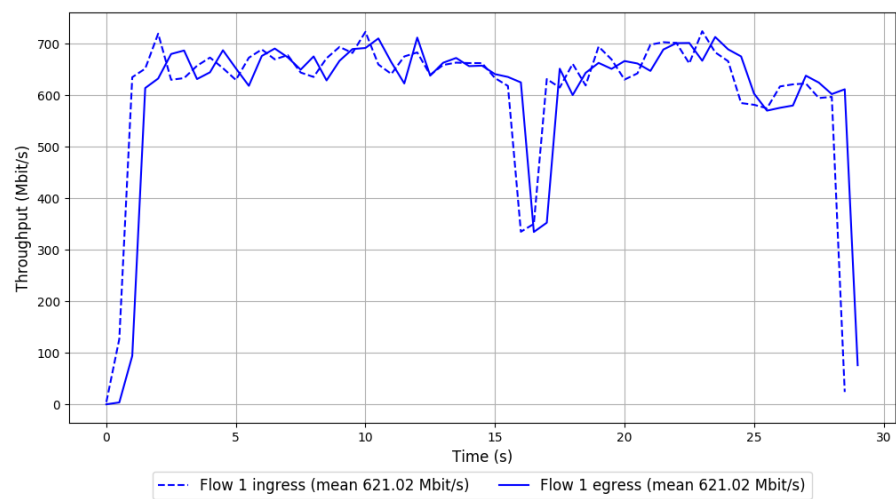
-- Flow 1:

Average throughput: 621.02 Mbit/s

95th percentile per-packet one-way delay: 80.883 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesT — Data Link

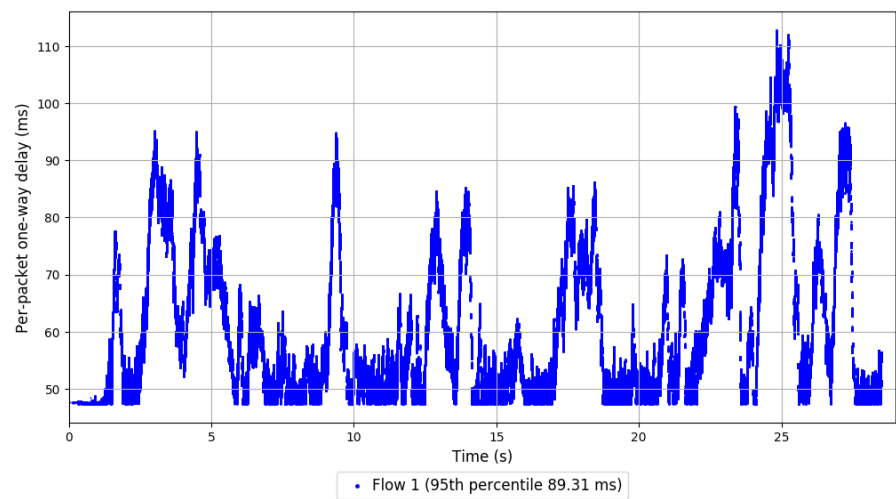
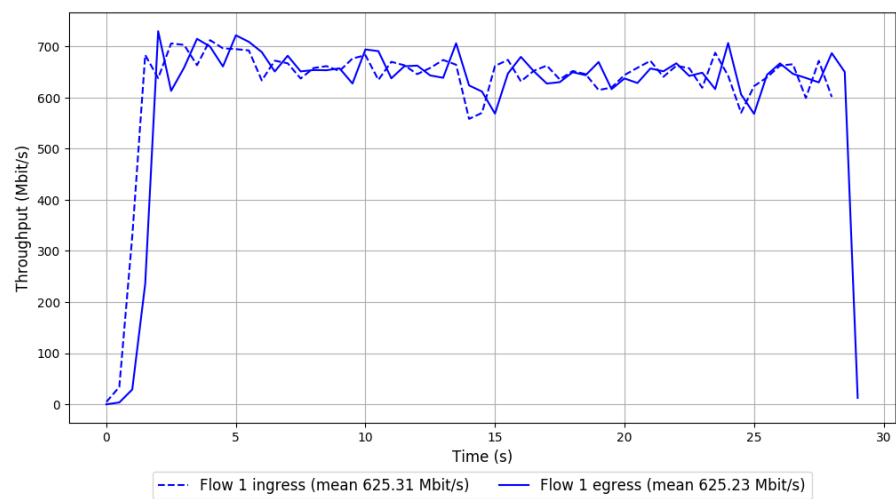


Run 3: Statistics of Indigo-MusesT

Start at: 2019-02-12 12:17:00
End at: 2019-02-12 12:17:30
Local clock offset: 0.045 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2019-02-12 15:21:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 625.23 Mbit/s
95th percentile per-packet one-way delay: 89.314 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 625.23 Mbit/s
95th percentile per-packet one-way delay: 89.314 ms
Loss rate: 0.00%

Run 3: Report of Indigo-MusesT — Data Link

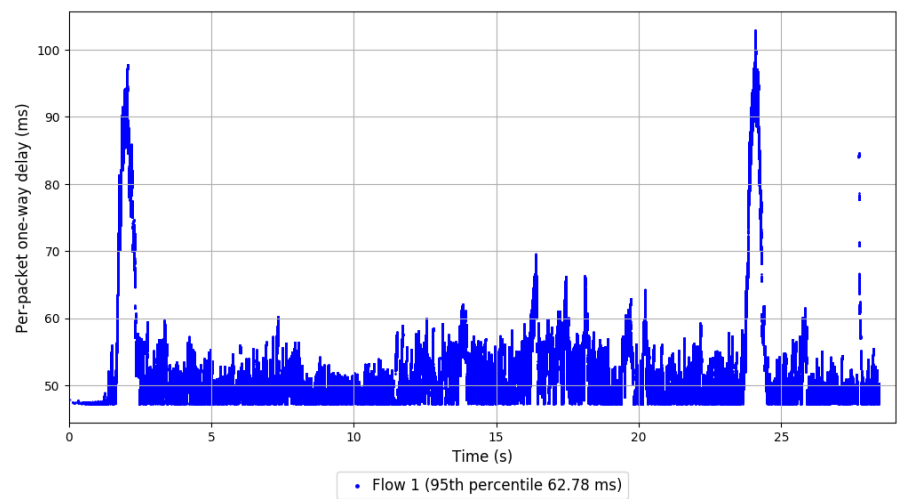
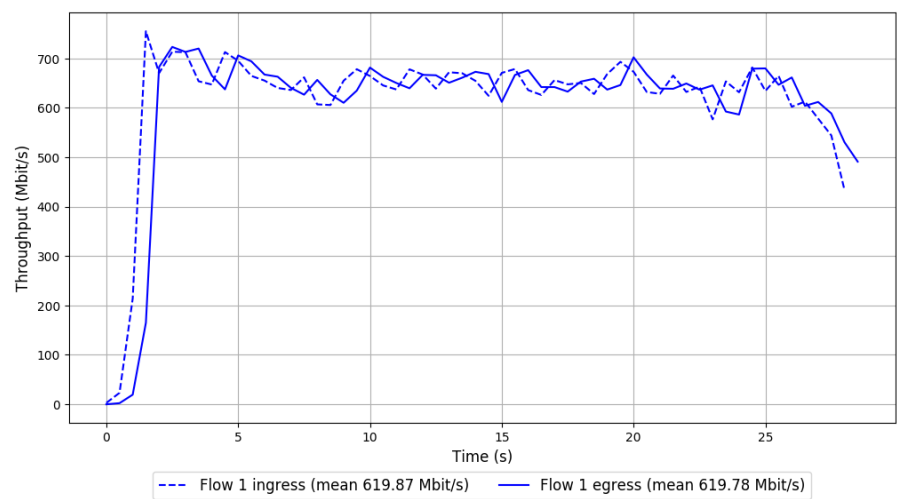


Run 4: Statistics of Indigo-MusesT

Start at: 2019-02-12 12:48:17
End at: 2019-02-12 12:48:47
Local clock offset: -0.083 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2019-02-12 15:21:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 619.78 Mbit/s
95th percentile per-packet one-way delay: 62.776 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 619.78 Mbit/s
95th percentile per-packet one-way delay: 62.776 ms
Loss rate: 0.02%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-02-12 13:19:44

End at: 2019-02-12 13:20:14

Local clock offset: -0.254 ms

Remote clock offset: -0.178 ms

Below is generated by plot.py at 2019-02-12 15:21:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 560.22 Mbit/s

95th percentile per-packet one-way delay: 73.437 ms

Loss rate: 0.46%

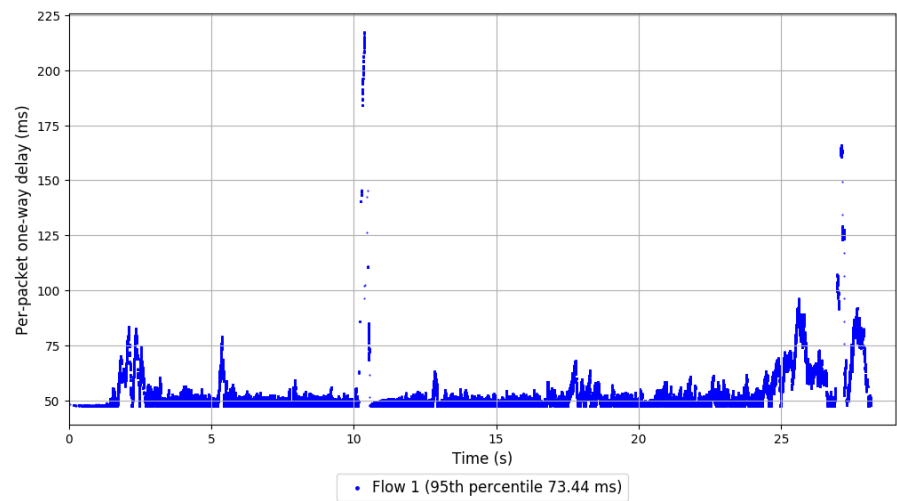
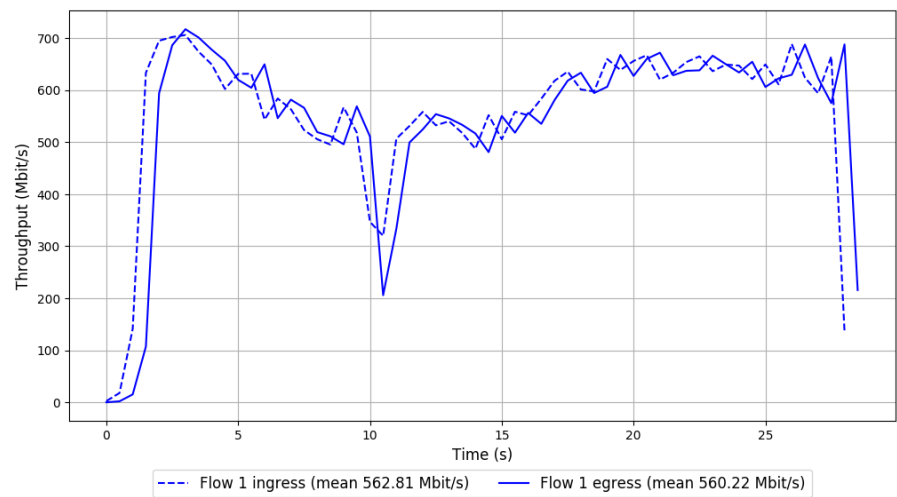
-- Flow 1:

Average throughput: 560.22 Mbit/s

95th percentile per-packet one-way delay: 73.437 ms

Loss rate: 0.46%

Run 5: Report of Indigo-MusesT — Data Link

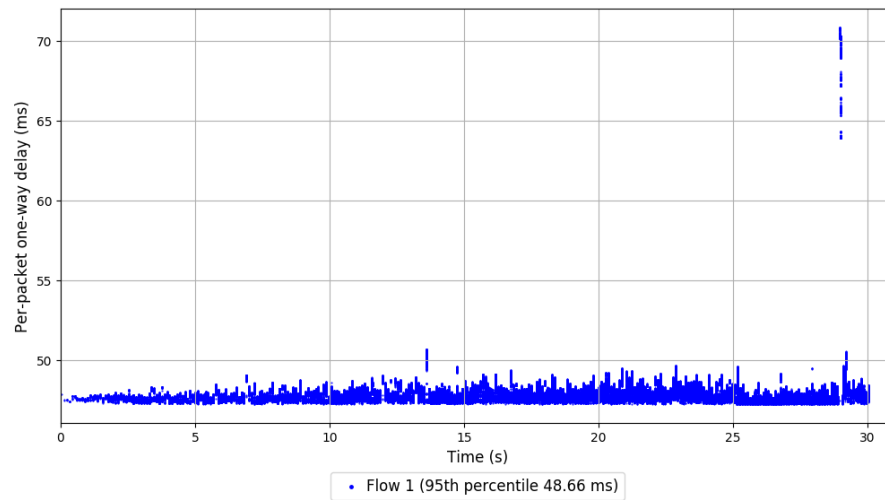
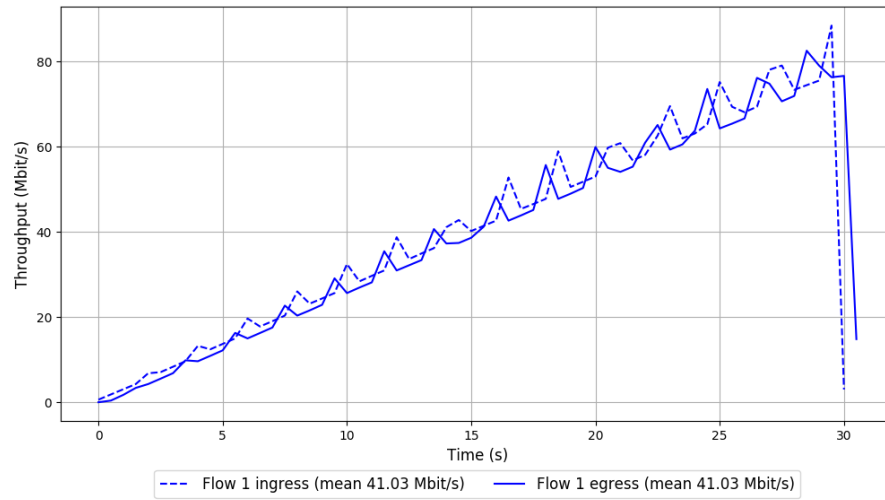


Run 1: Statistics of LEDBAT

Start at: 2019-02-12 11:20:26
End at: 2019-02-12 11:20:56
Local clock offset: -0.032 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2019-02-12 15:21:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 41.03 Mbit/s
95th percentile per-packet one-way delay: 48.665 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.03 Mbit/s
95th percentile per-packet one-way delay: 48.665 ms
Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link

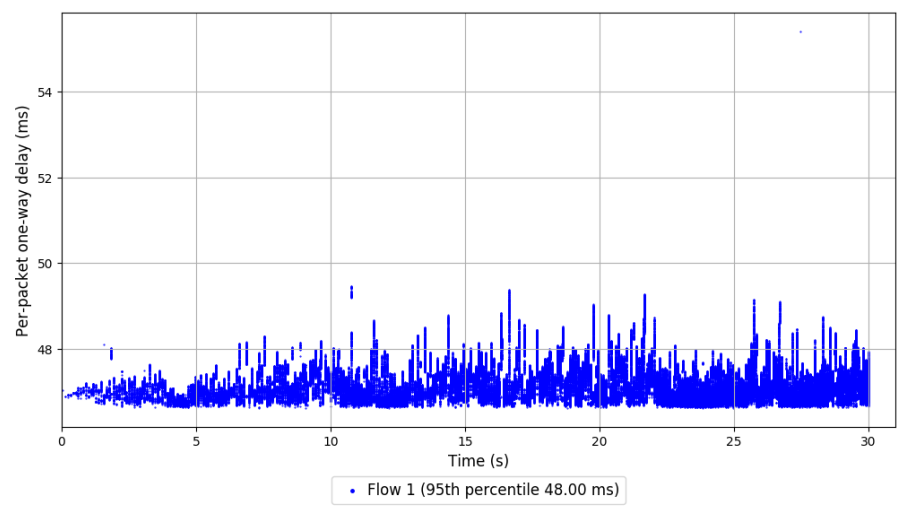
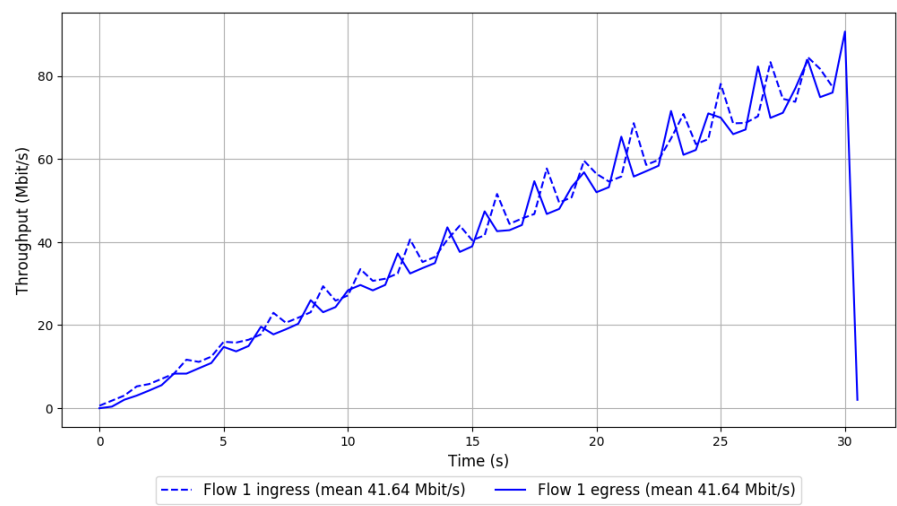


Run 2: Statistics of LEDBAT

Start at: 2019-02-12 11:51:09
End at: 2019-02-12 11:51:39
Local clock offset: -0.02 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2019-02-12 15:21:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 41.64 Mbit/s
95th percentile per-packet one-way delay: 48.004 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.64 Mbit/s
95th percentile per-packet one-way delay: 48.004 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

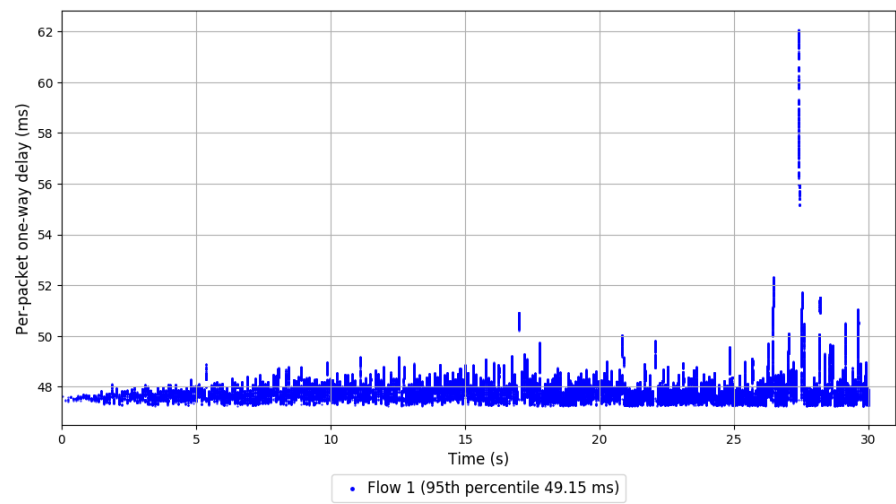
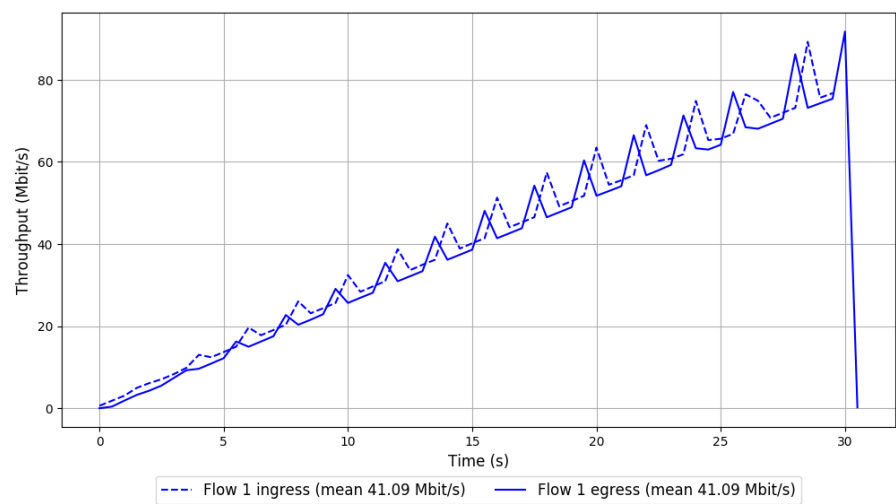


Run 3: Statistics of LEDBAT

Start at: 2019-02-12 12:22:04
End at: 2019-02-12 12:22:34
Local clock offset: -0.031 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2019-02-12 15:21:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 41.09 Mbit/s
95th percentile per-packet one-way delay: 49.146 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.09 Mbit/s
95th percentile per-packet one-way delay: 49.146 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

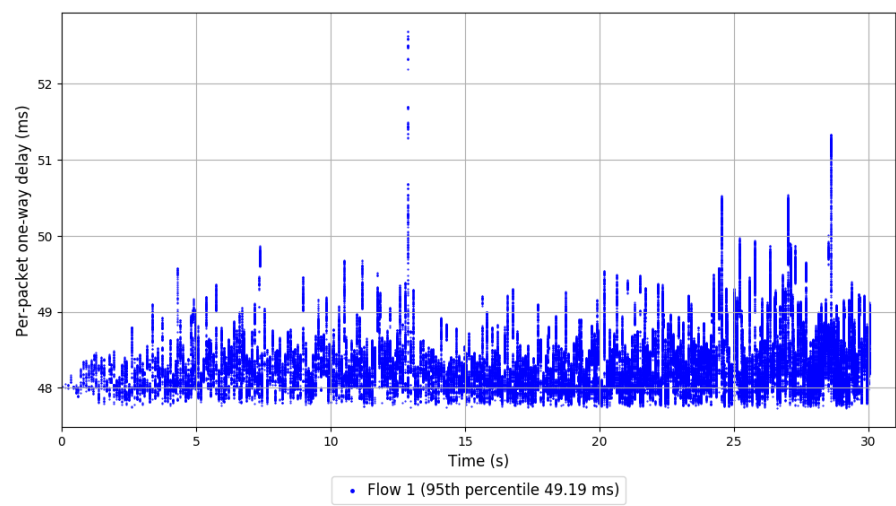
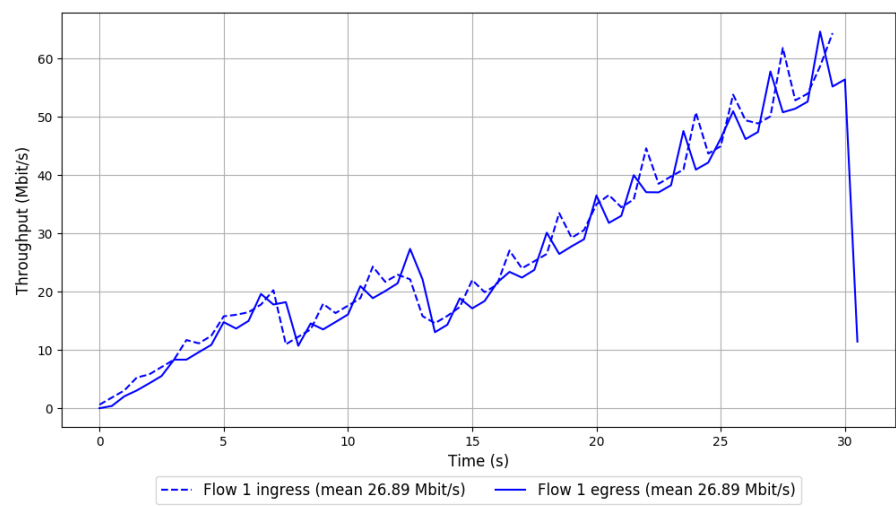


Run 4: Statistics of LEDBAT

Start at: 2019-02-12 12:53:51
End at: 2019-02-12 12:54:21
Local clock offset: -0.452 ms
Remote clock offset: -0.107 ms

Below is generated by plot.py at 2019-02-12 15:21:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 26.89 Mbit/s
95th percentile per-packet one-way delay: 49.192 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 26.89 Mbit/s
95th percentile per-packet one-way delay: 49.192 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

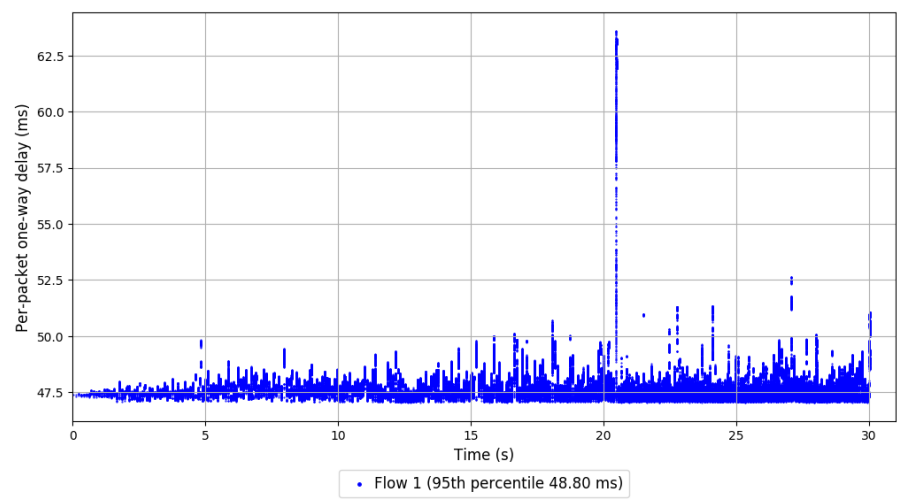
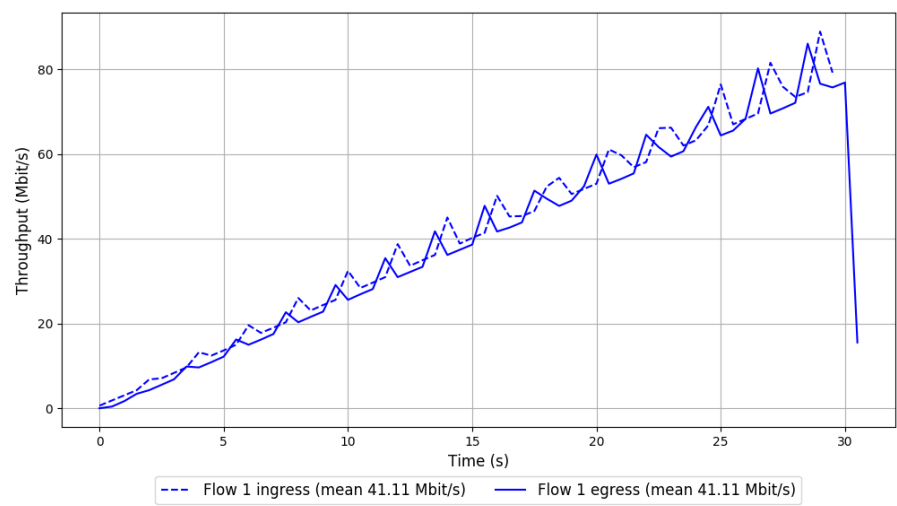


Run 5: Statistics of LEDBAT

Start at: 2019-02-12 13:24:45
End at: 2019-02-12 13:25:15
Local clock offset: -0.234 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2019-02-12 15:21:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 41.11 Mbit/s
95th percentile per-packet one-way delay: 48.803 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.11 Mbit/s
95th percentile per-packet one-way delay: 48.803 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

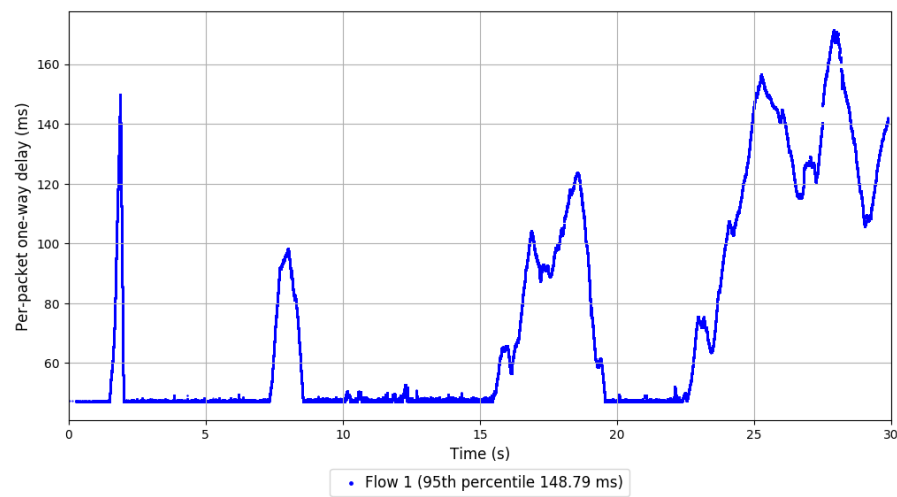
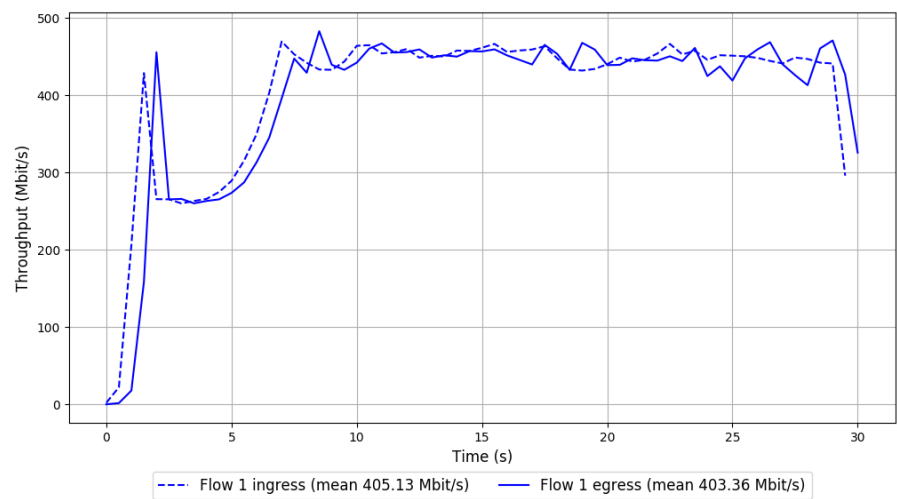


```
Run 1: Statistics of PCC-Allegro

Start at: 2019-02-12 11:10:06
End at: 2019-02-12 11:10:36
Local clock offset: 0.095 ms
Remote clock offset: -0.016 ms

# Below is generated by plot.py at 2019-02-12 15:27:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 403.36 Mbit/s
95th percentile per-packet one-way delay: 148.789 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 403.36 Mbit/s
95th percentile per-packet one-way delay: 148.789 ms
Loss rate: 0.43%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-02-12 11:41:23

End at: 2019-02-12 11:41:54

Local clock offset: 0.354 ms

Remote clock offset: -0.065 ms

Below is generated by plot.py at 2019-02-12 15:27:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 404.31 Mbit/s

95th percentile per-packet one-way delay: 163.828 ms

Loss rate: 0.64%

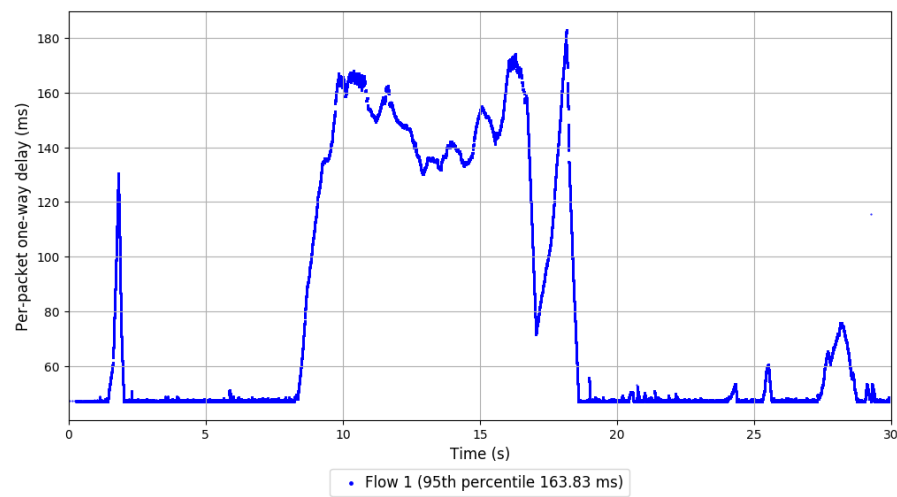
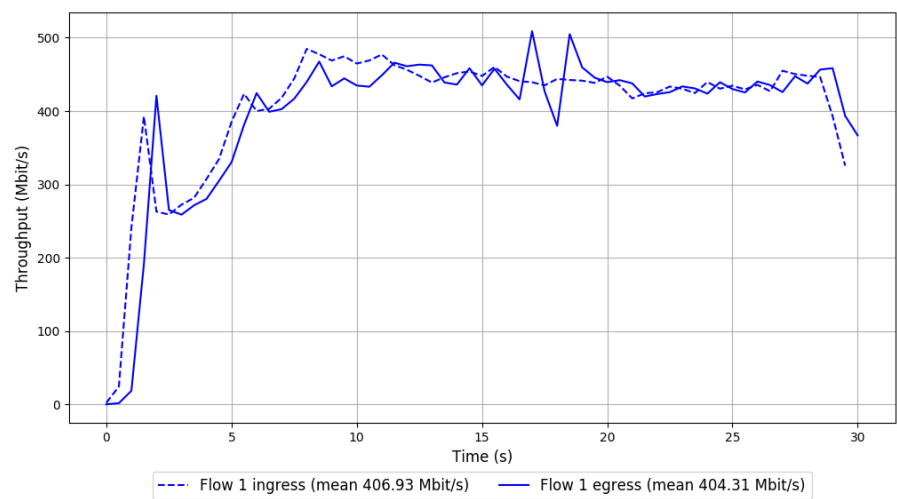
-- Flow 1:

Average throughput: 404.31 Mbit/s

95th percentile per-packet one-way delay: 163.828 ms

Loss rate: 0.64%

Run 2: Report of PCC-Allegro — Data Link

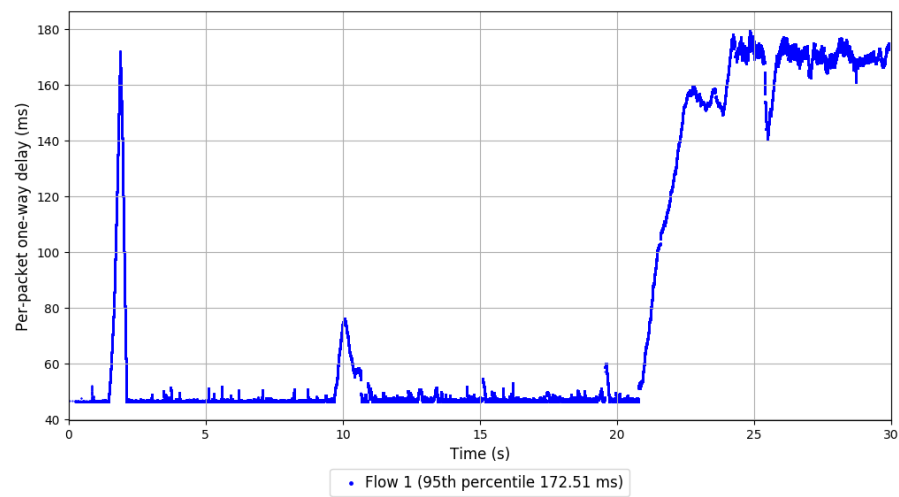
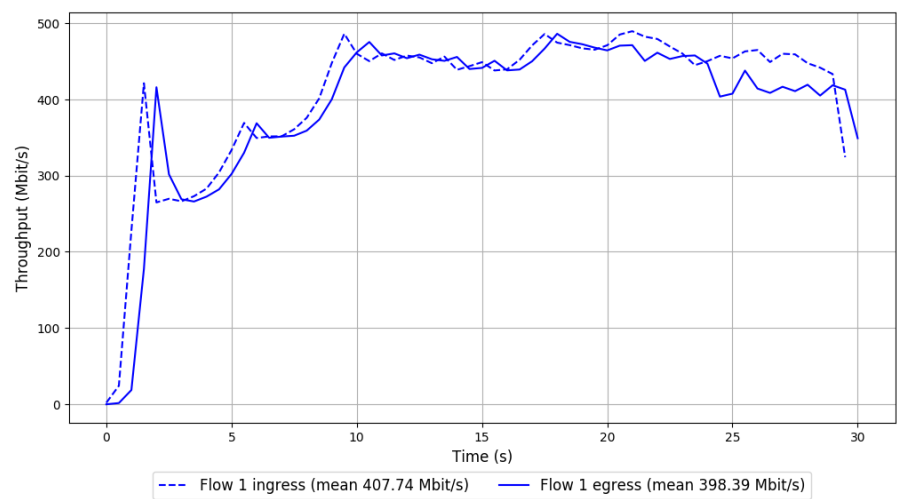


Run 3: Statistics of PCC-Allegro

Start at: 2019-02-12 12:12:18
End at: 2019-02-12 12:12:48
Local clock offset: -0.013 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2019-02-12 15:28:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 398.39 Mbit/s
95th percentile per-packet one-way delay: 172.509 ms
Loss rate: 2.29%
-- Flow 1:
Average throughput: 398.39 Mbit/s
95th percentile per-packet one-way delay: 172.509 ms
Loss rate: 2.29%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-02-12 12:43:19

End at: 2019-02-12 12:43:49

Local clock offset: -0.06 ms

Remote clock offset: -0.106 ms

Below is generated by plot.py at 2019-02-12 15:33:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 441.94 Mbit/s

95th percentile per-packet one-way delay: 200.575 ms

Loss rate: 5.81%

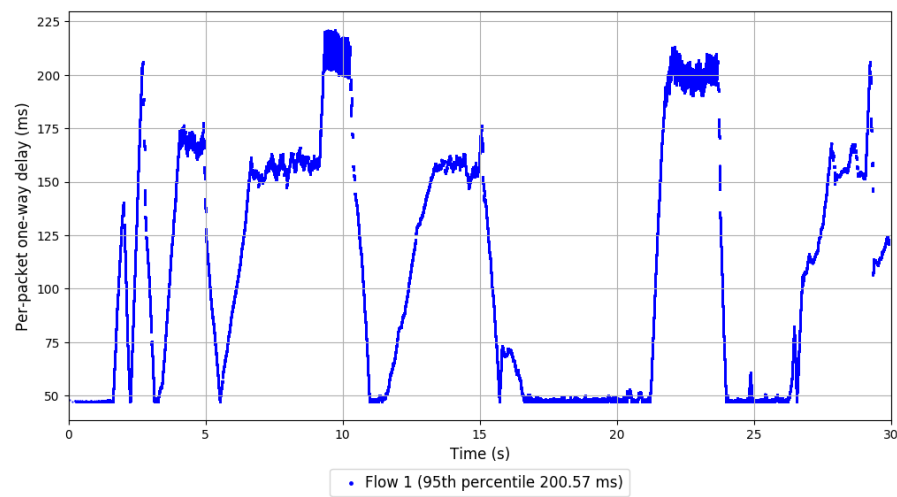
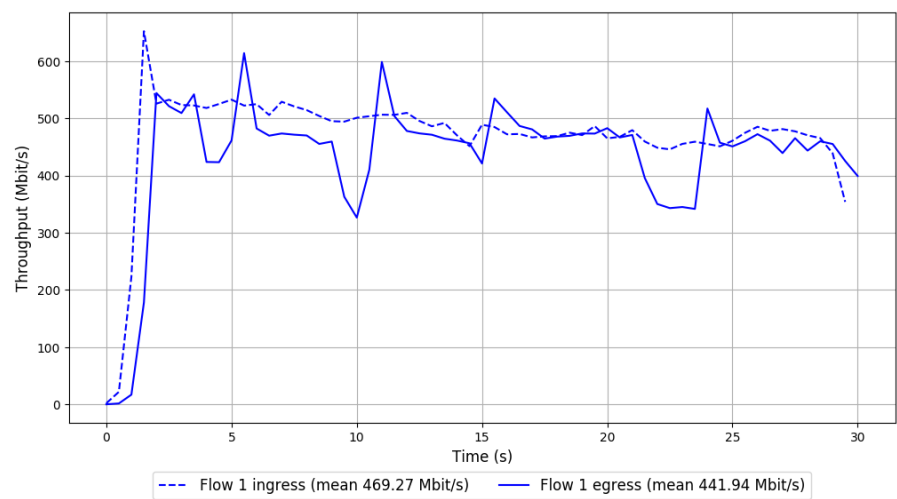
-- Flow 1:

Average throughput: 441.94 Mbit/s

95th percentile per-packet one-way delay: 200.575 ms

Loss rate: 5.81%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-02-12 13:14:59

End at: 2019-02-12 13:15:29

Local clock offset: -0.278 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2019-02-12 15:37:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 416.15 Mbit/s

95th percentile per-packet one-way delay: 175.358 ms

Loss rate: 6.25%

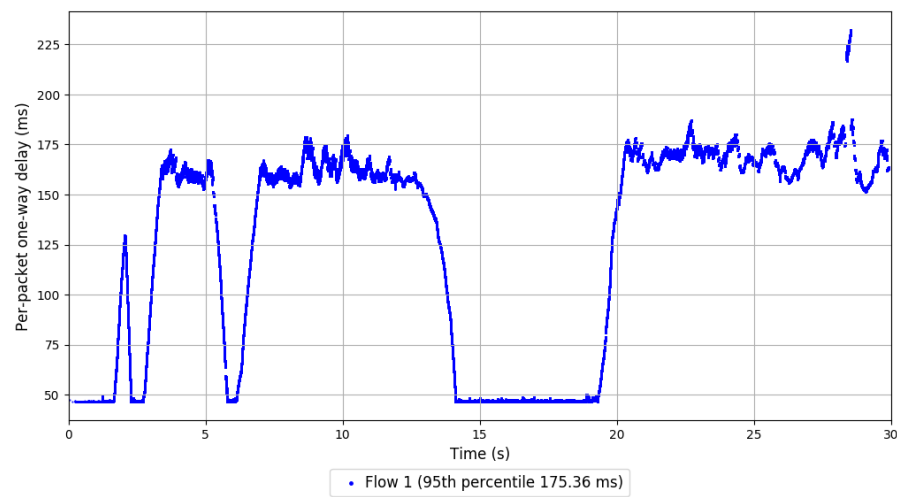
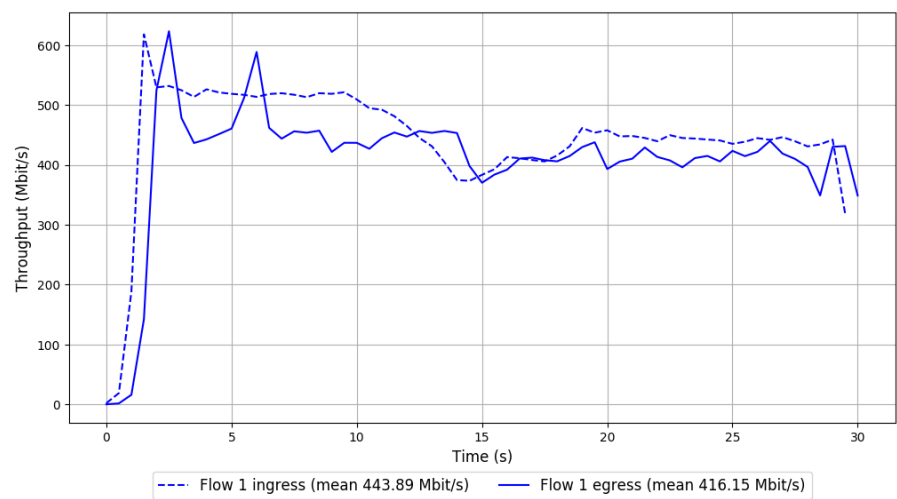
-- Flow 1:

Average throughput: 416.15 Mbit/s

95th percentile per-packet one-way delay: 175.358 ms

Loss rate: 6.25%

Run 5: Report of PCC-Allegro — Data Link

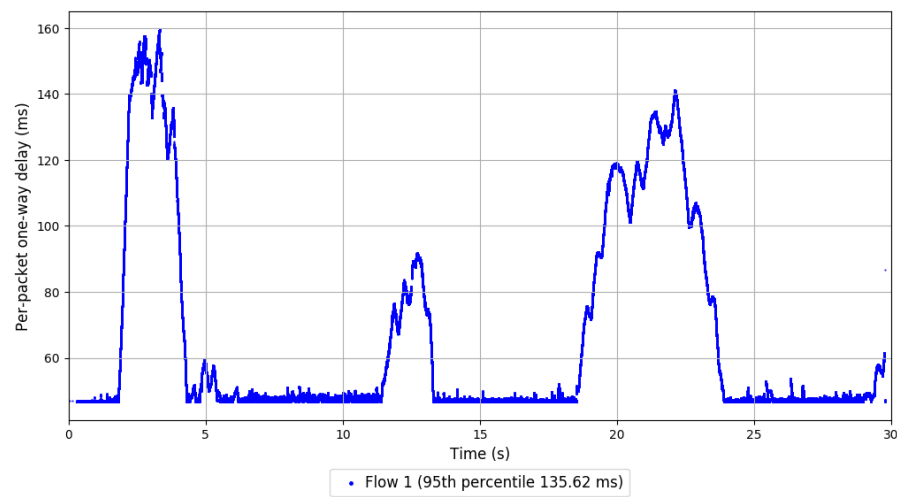
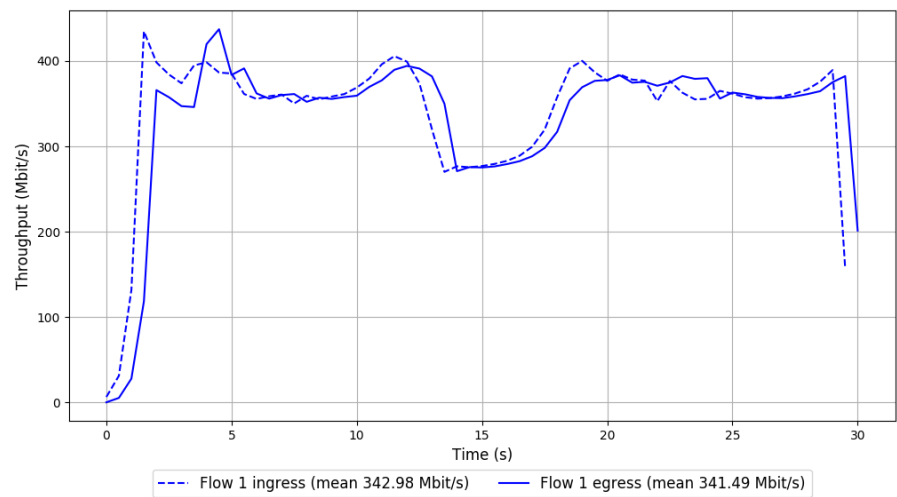


Run 1: Statistics of PCC-Expr

Start at: 2019-02-12 11:25:41
End at: 2019-02-12 11:26:11
Local clock offset: 0.333 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2019-02-12 15:37:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 341.49 Mbit/s
95th percentile per-packet one-way delay: 135.623 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 341.49 Mbit/s
95th percentile per-packet one-way delay: 135.623 ms
Loss rate: 0.43%

Run 1: Report of PCC-Expr — Data Link

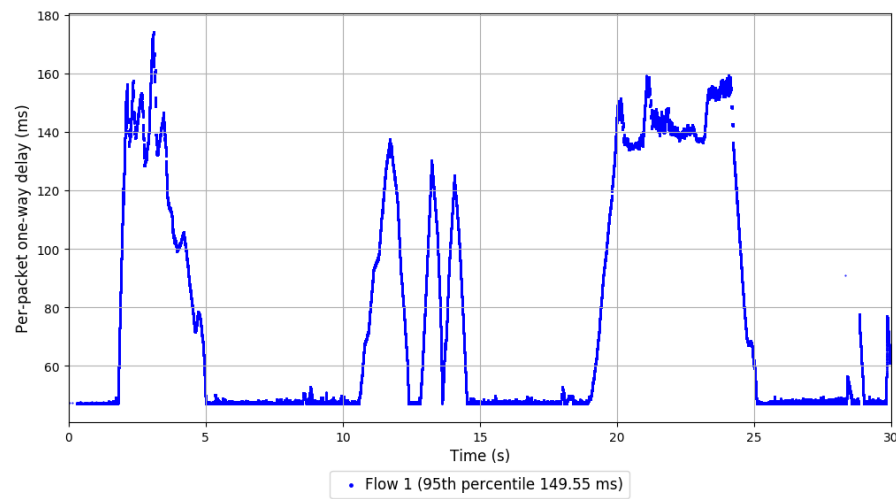
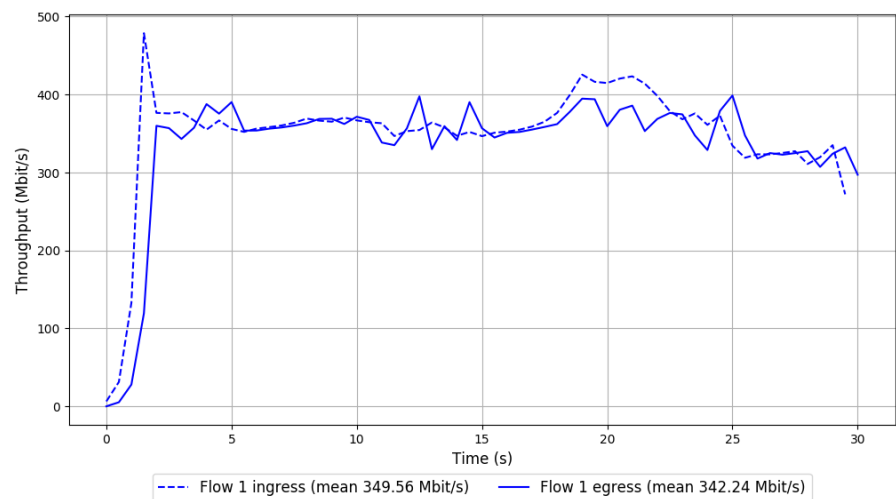


Run 2: Statistics of PCC-Expr

Start at: 2019-02-12 11:56:28
End at: 2019-02-12 11:56:58
Local clock offset: 0.017 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2019-02-12 15:37:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 342.24 Mbit/s
95th percentile per-packet one-way delay: 149.553 ms
Loss rate: 2.09%
-- Flow 1:
Average throughput: 342.24 Mbit/s
95th percentile per-packet one-way delay: 149.553 ms
Loss rate: 2.09%

Run 2: Report of PCC-Expr — Data Link

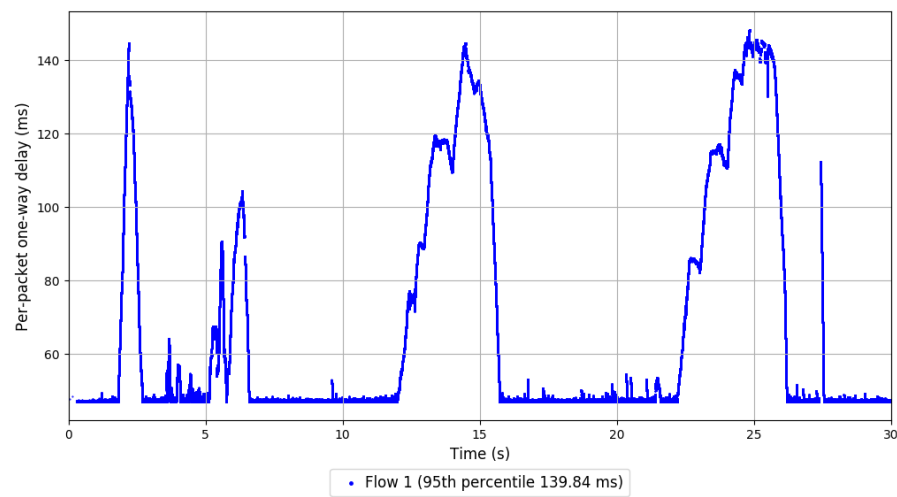
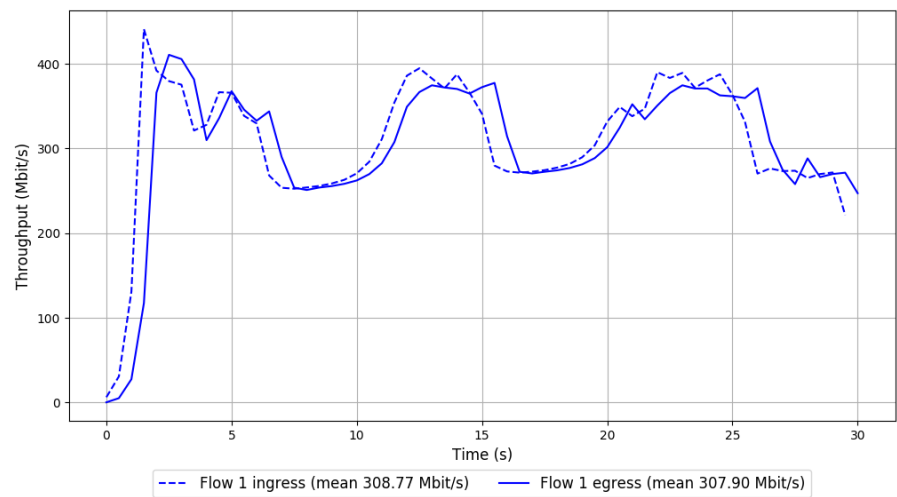


Run 3: Statistics of PCC-Expr

Start at: 2019-02-12 12:27:21
End at: 2019-02-12 12:27:51
Local clock offset: -0.392 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2019-02-12 15:37:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 307.90 Mbit/s
95th percentile per-packet one-way delay: 139.839 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 307.90 Mbit/s
95th percentile per-packet one-way delay: 139.839 ms
Loss rate: 0.28%

Run 3: Report of PCC-Expr — Data Link

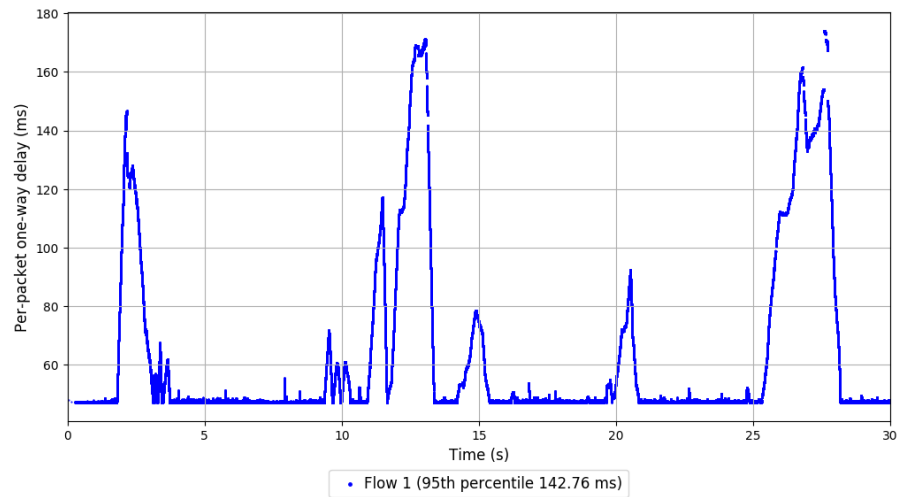
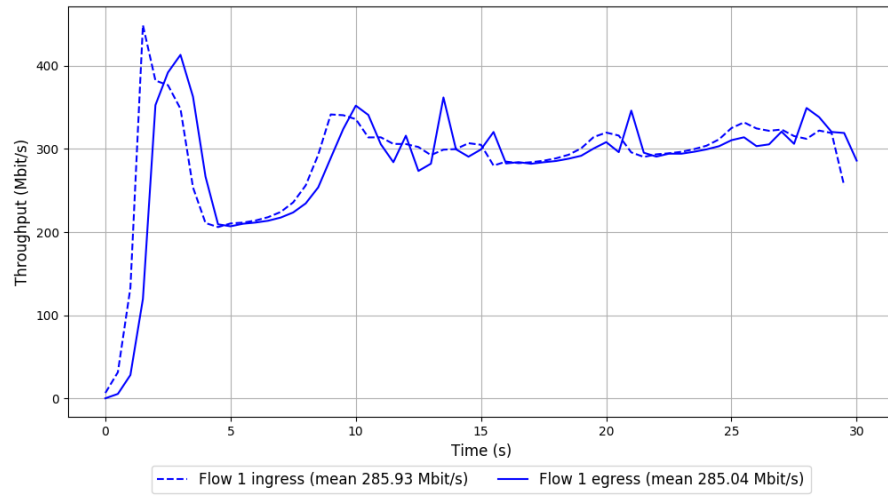


Run 4: Statistics of PCC-Expr

Start at: 2019-02-12 12:59:10
End at: 2019-02-12 12:59:40
Local clock offset: -0.148 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2019-02-12 15:38:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 285.04 Mbit/s
95th percentile per-packet one-way delay: 142.758 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 285.04 Mbit/s
95th percentile per-packet one-way delay: 142.758 ms
Loss rate: 0.31%

Run 4: Report of PCC-Expr — Data Link

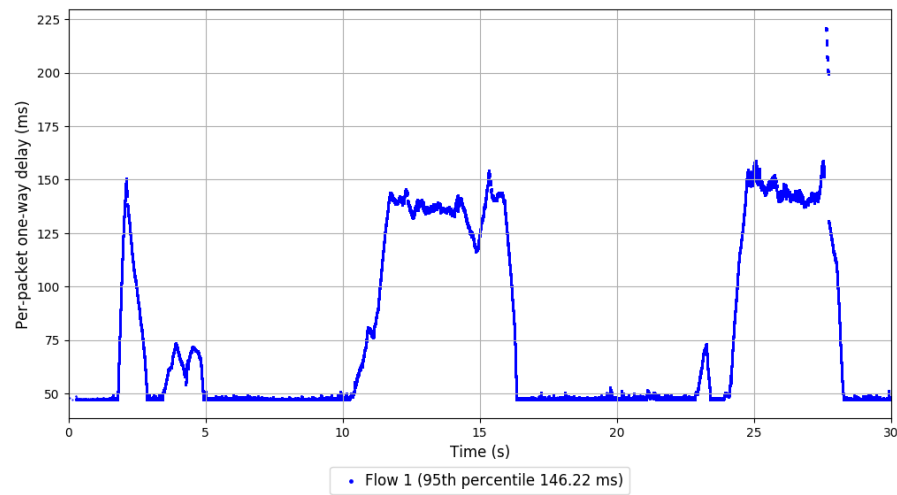
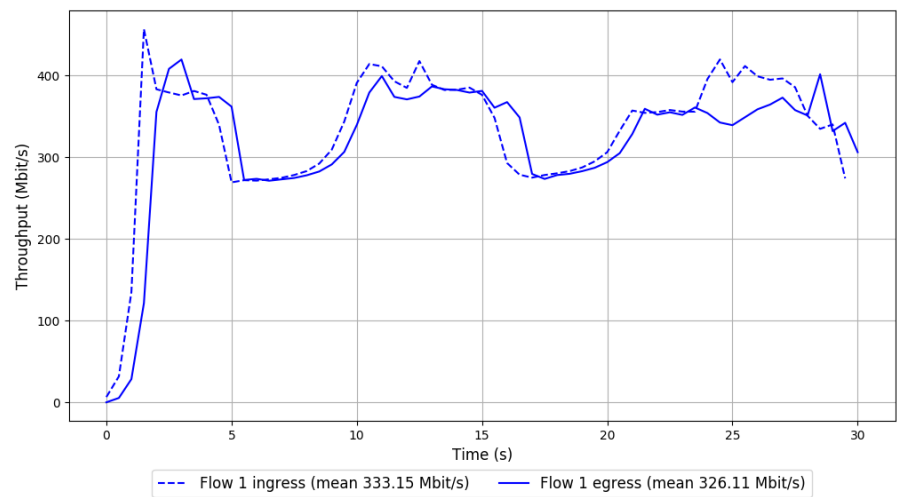


Run 5: Statistics of PCC-Expr

Start at: 2019-02-12 13:30:01
End at: 2019-02-12 13:30:31
Local clock offset: -0.274 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2019-02-12 15:40:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 326.11 Mbit/s
95th percentile per-packet one-way delay: 146.224 ms
Loss rate: 2.12%
-- Flow 1:
Average throughput: 326.11 Mbit/s
95th percentile per-packet one-way delay: 146.224 ms
Loss rate: 2.12%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-02-12 11:28:49

End at: 2019-02-12 11:29:20

Local clock offset: -0.018 ms

Remote clock offset: -0.061 ms

Below is generated by plot.py at 2019-02-12 15:40:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 27.68 Mbit/s

95th percentile per-packet one-way delay: 46.546 ms

Loss rate: 0.00%

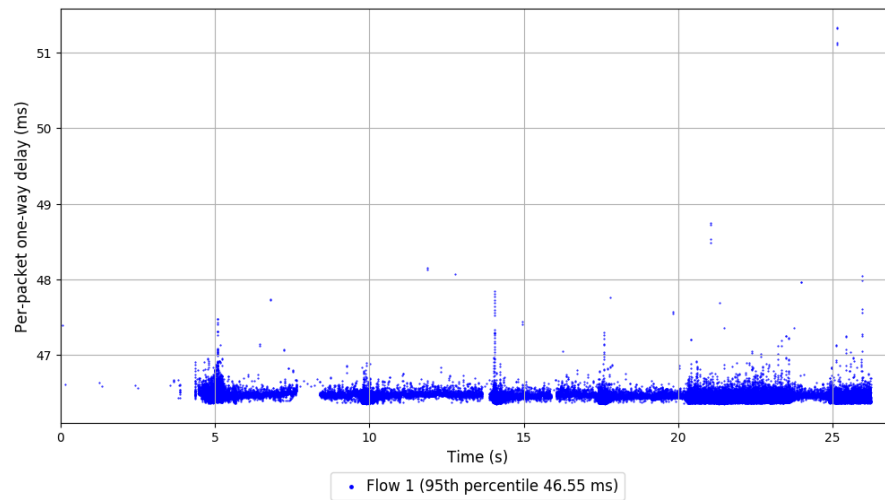
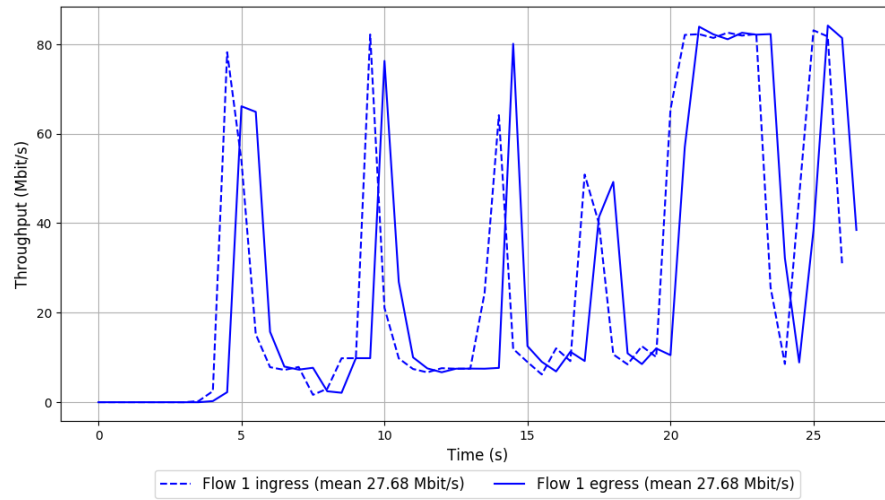
-- Flow 1:

Average throughput: 27.68 Mbit/s

95th percentile per-packet one-way delay: 46.546 ms

Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-02-12 11:59:37

End at: 2019-02-12 12:00:07

Local clock offset: 0.002 ms

Remote clock offset: -0.067 ms

Below is generated by plot.py at 2019-02-12 15:40:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.28 Mbit/s

95th percentile per-packet one-way delay: 46.552 ms

Loss rate: 0.00%

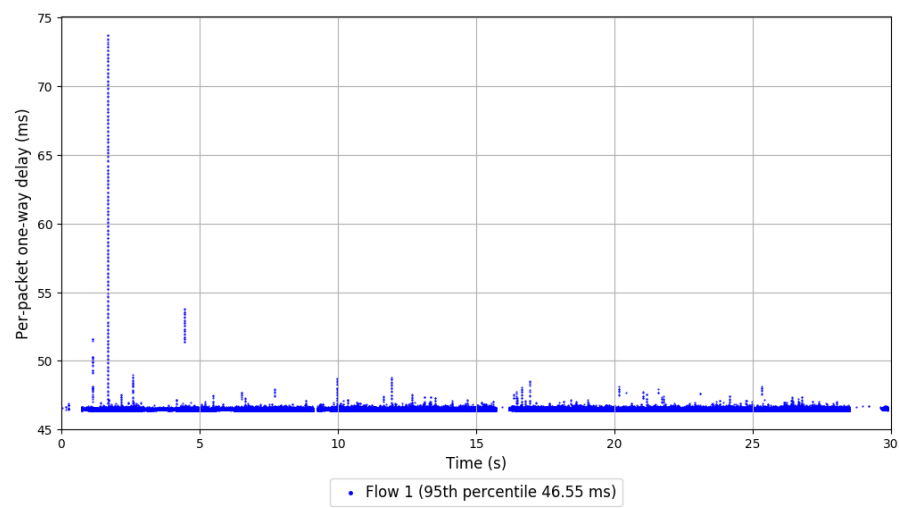
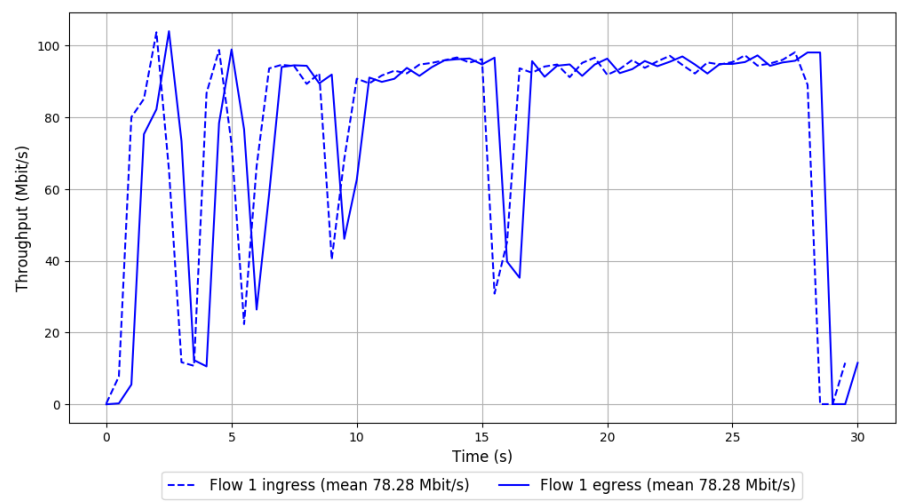
-- Flow 1:

Average throughput: 78.28 Mbit/s

95th percentile per-packet one-way delay: 46.552 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-02-12 12:30:27

End at: 2019-02-12 12:30:57

Local clock offset: -0.405 ms

Remote clock offset: -0.069 ms

Below is generated by plot.py at 2019-02-12 15:40:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.66 Mbit/s

95th percentile per-packet one-way delay: 46.942 ms

Loss rate: 0.00%

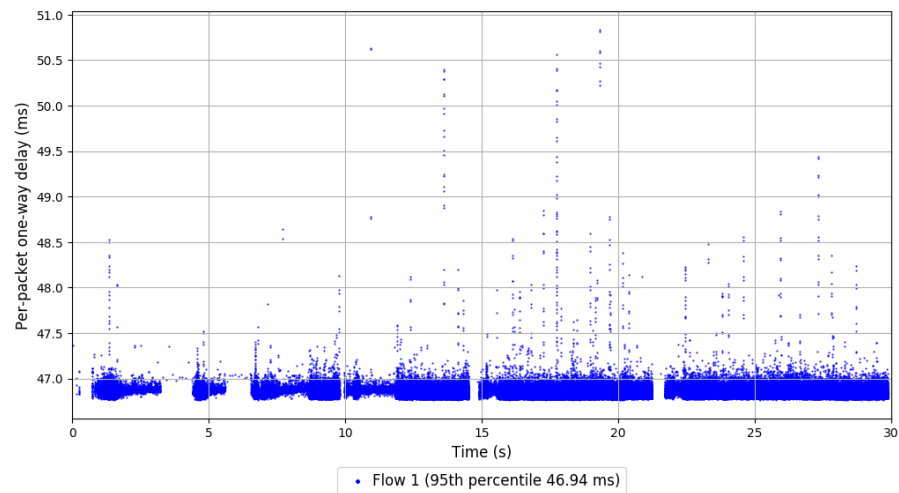
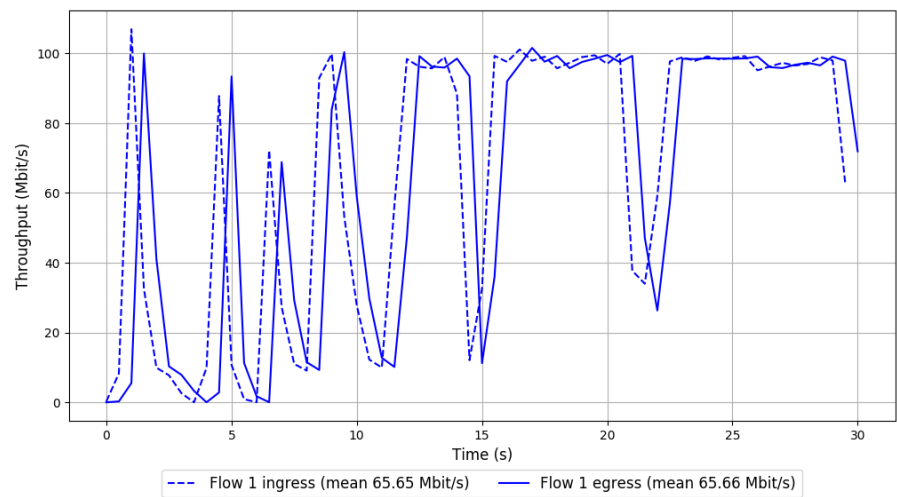
-- Flow 1:

Average throughput: 65.66 Mbit/s

95th percentile per-packet one-way delay: 46.942 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

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

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

Local clock offset: -0.166 ms

Remote clock offset: -0.087 ms

Below is generated by plot.py at 2019-02-12 15:40:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.44 Mbit/s

95th percentile per-packet one-way delay: 47.440 ms

Loss rate: 0.00%

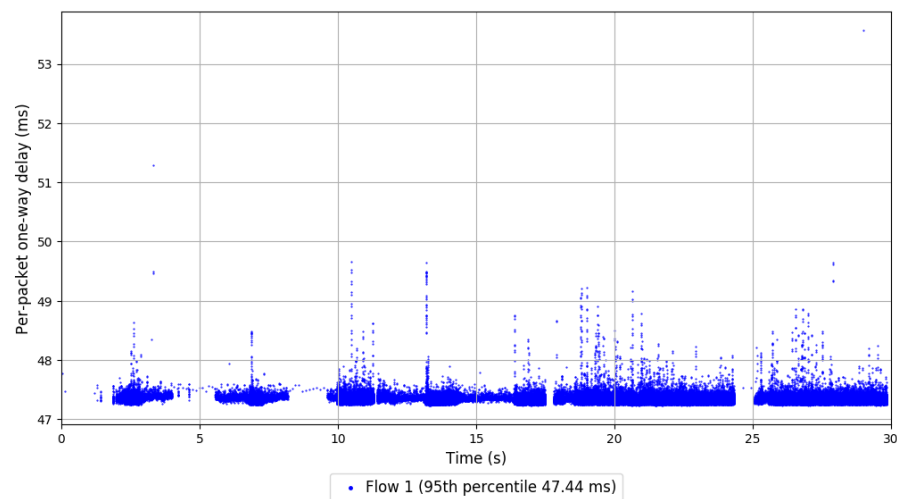
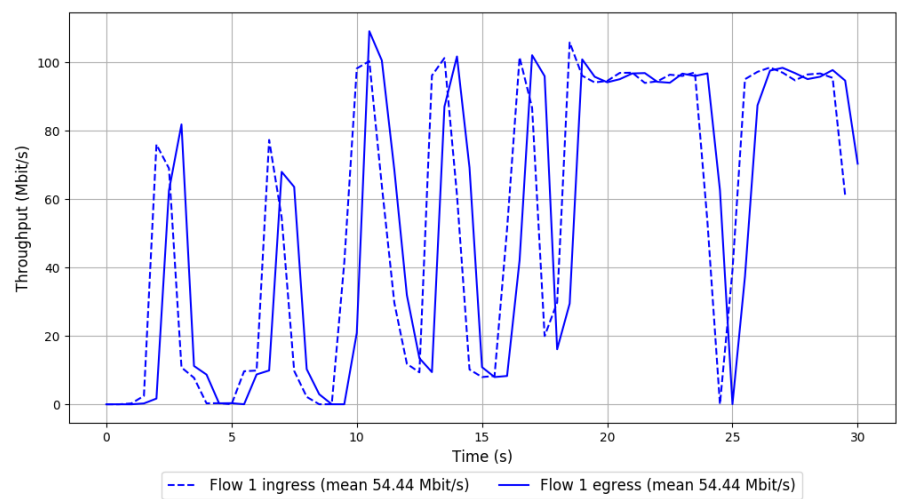
-- Flow 1:

Average throughput: 54.44 Mbit/s

95th percentile per-packet one-way delay: 47.440 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-02-12 13:33:07

End at: 2019-02-12 13:33:37

Local clock offset: -0.289 ms

Remote clock offset: -0.054 ms

Below is generated by plot.py at 2019-02-12 15:40:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.65 Mbit/s

95th percentile per-packet one-way delay: 46.597 ms

Loss rate: 0.00%

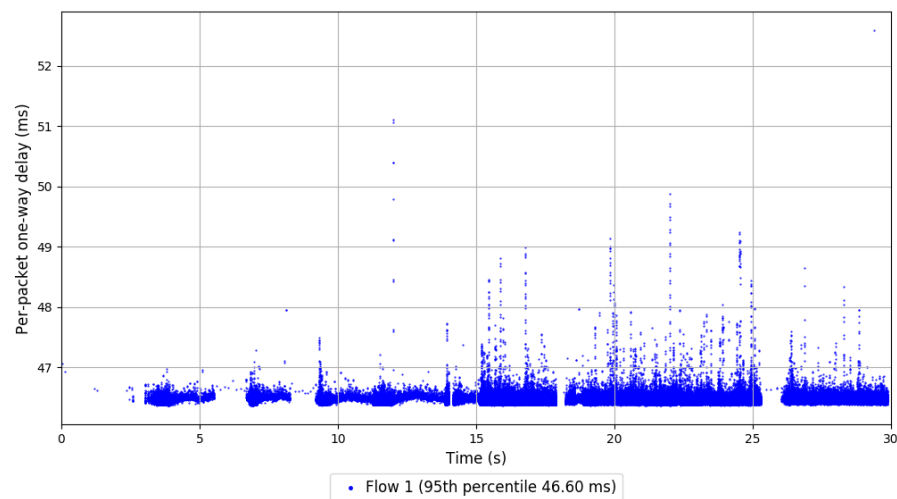
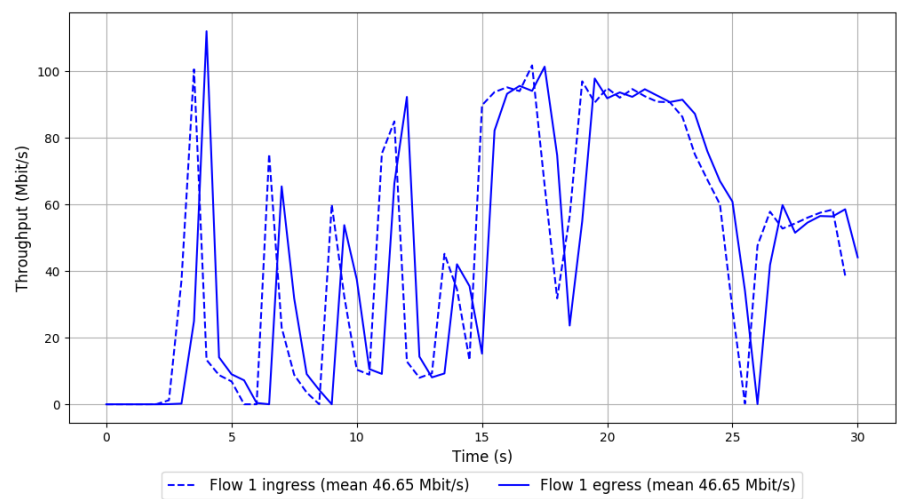
-- Flow 1:

Average throughput: 46.65 Mbit/s

95th percentile per-packet one-way delay: 46.597 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

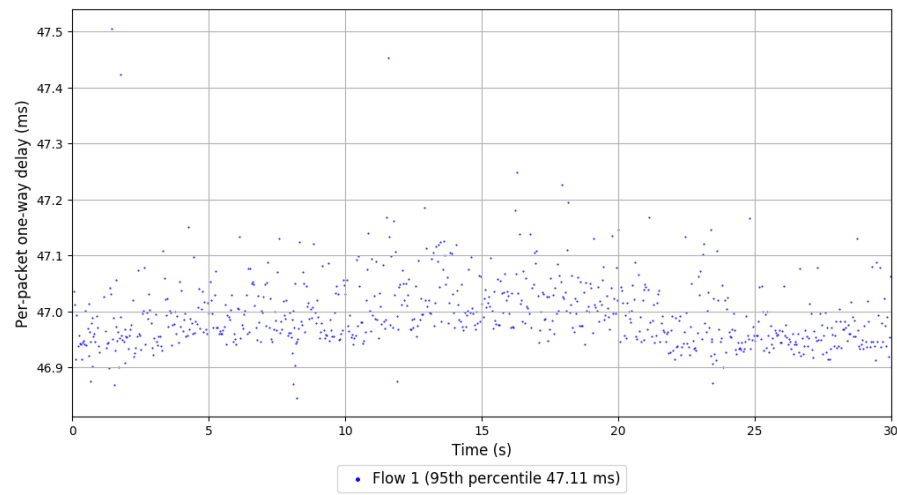
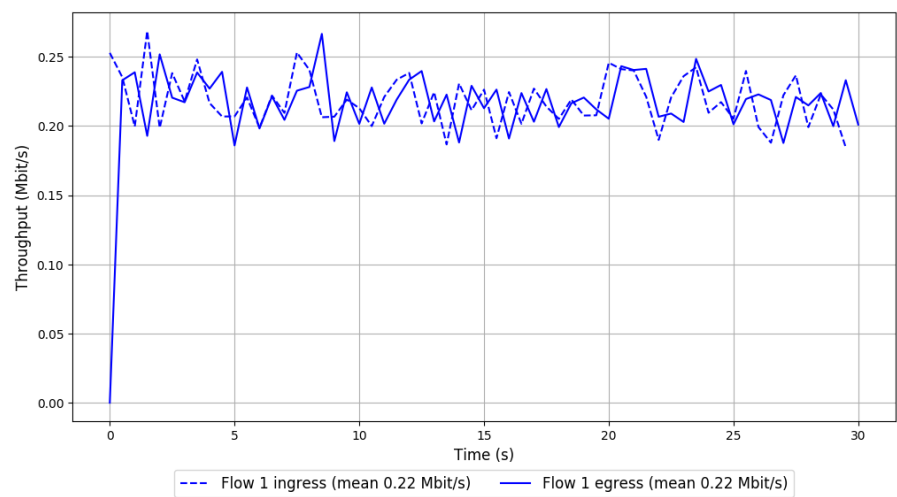


Run 1: Statistics of SCReAM

Start at: 2019-02-12 11:35:59
End at: 2019-02-12 11:36:29
Local clock offset: 0.326 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2019-02-12 15:40:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.107 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.107 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

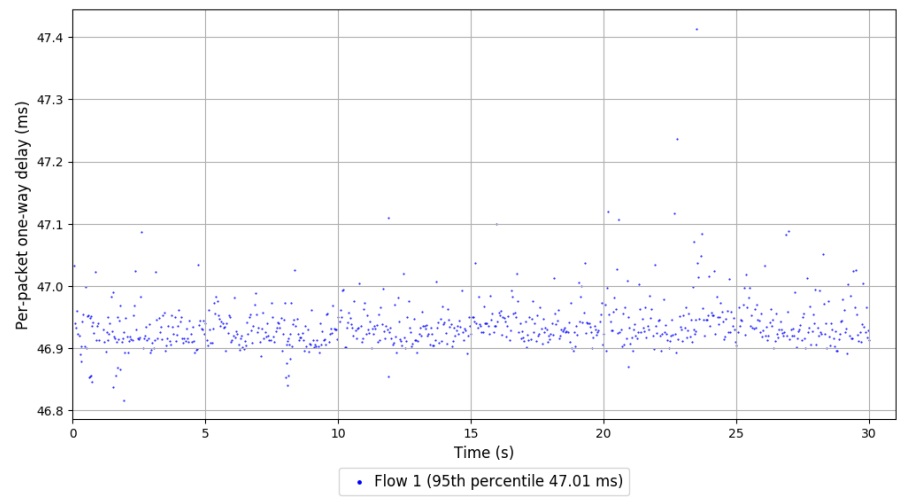
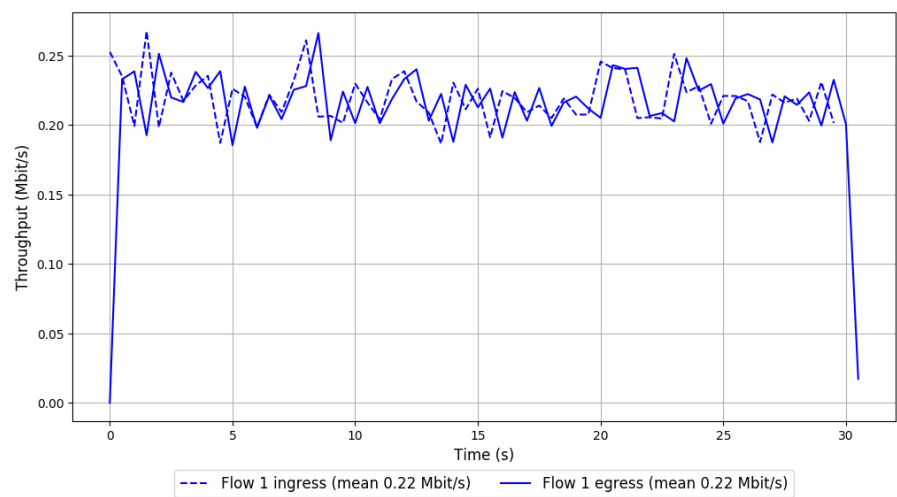


Run 2: Statistics of SCReAM

Start at: 2019-02-12 12:06:54
End at: 2019-02-12 12:07:24
Local clock offset: 0.388 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2019-02-12 15:40:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.007 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.007 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

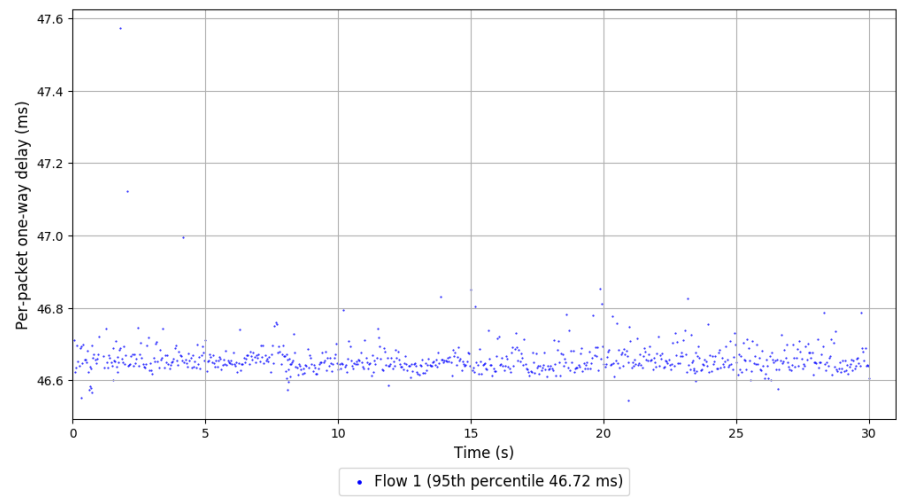
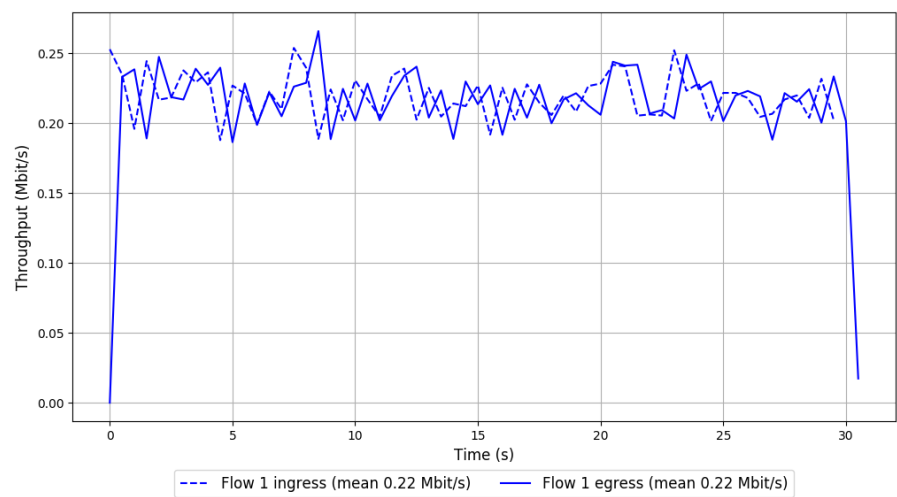


Run 3: Statistics of SCReAM

Start at: 2019-02-12 12:37:50
End at: 2019-02-12 12:38:20
Local clock offset: -0.025 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2019-02-12 15:40:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 46.720 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 46.720 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

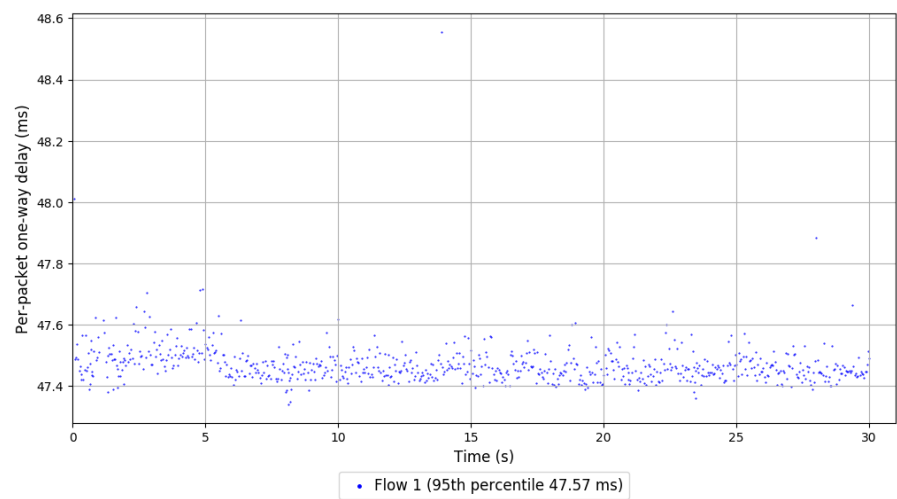
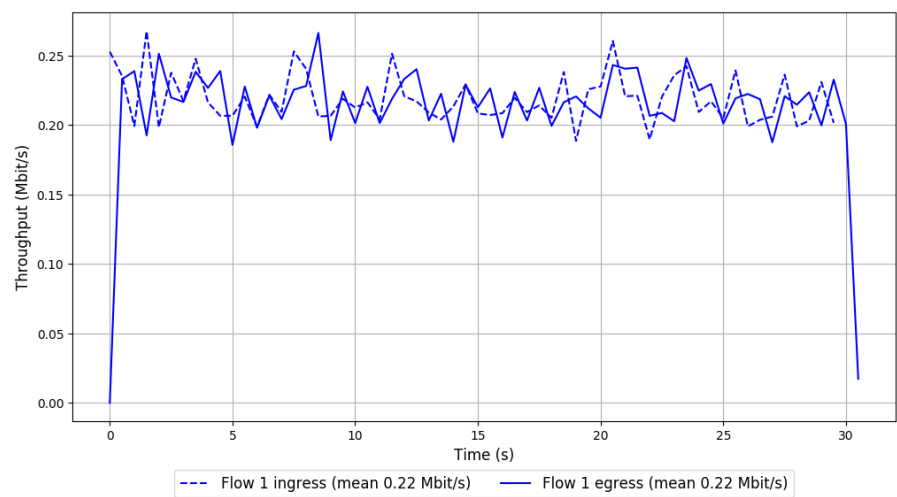


Run 4: Statistics of SCReAM

Start at: 2019-02-12 13:09:35
End at: 2019-02-12 13:10:05
Local clock offset: -0.182 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2019-02-12 15:40:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.568 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.568 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2019-02-12 13:40:13

End at: 2019-02-12 13:40:43

Local clock offset: -0.323 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2019-02-12 15:40:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 47.649 ms

Loss rate: 0.00%

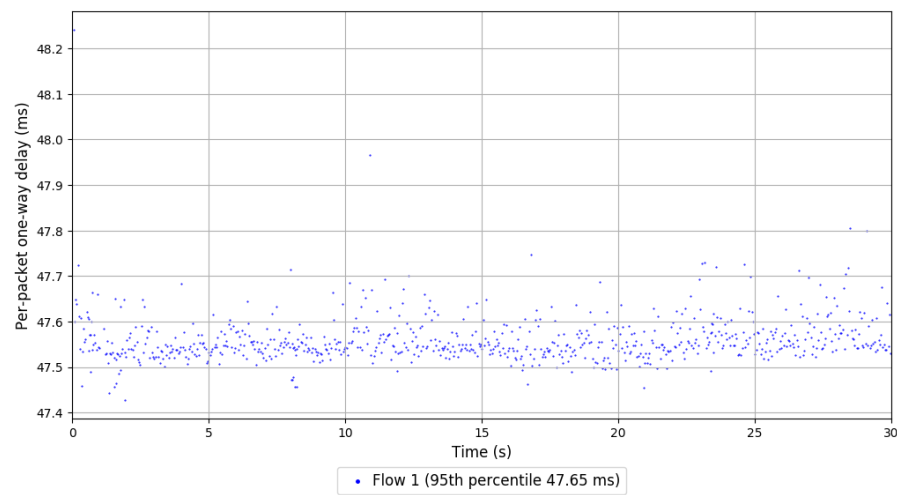
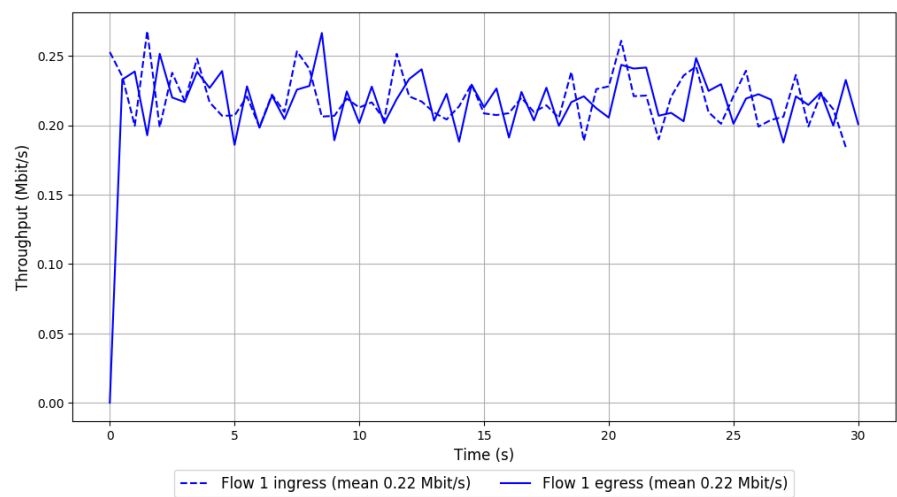
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 47.649 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2019-02-12 11:08:56

End at: 2019-02-12 11:09:26

Local clock offset: -0.44 ms

Remote clock offset: -0.009 ms

Below is generated by plot.py at 2019-02-12 15:40:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.68 Mbit/s

95th percentile per-packet one-way delay: 48.106 ms

Loss rate: 0.00%

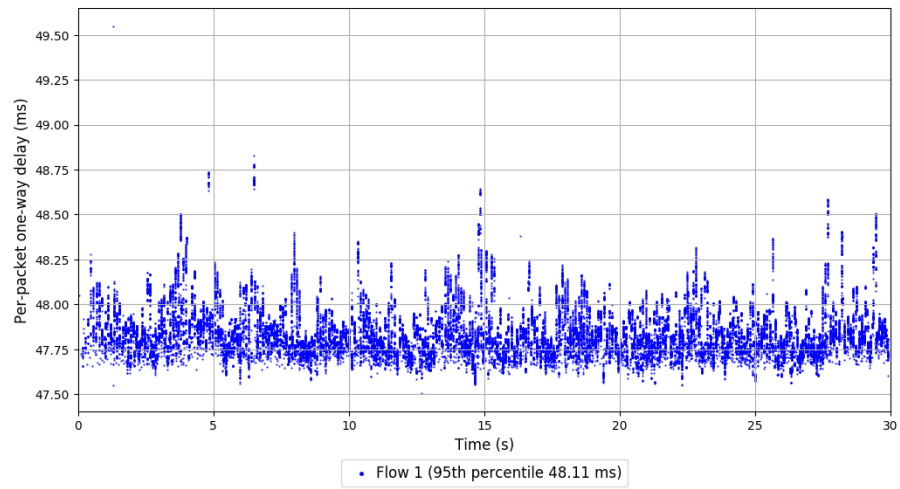
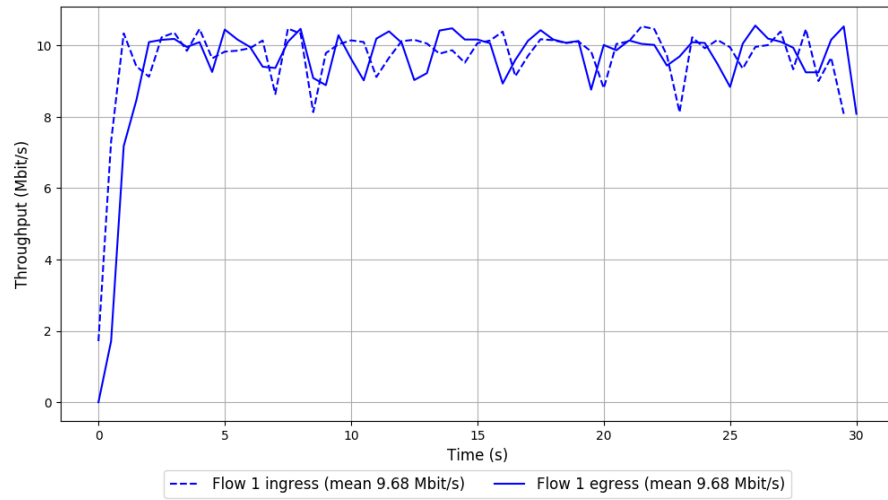
-- Flow 1:

Average throughput: 9.68 Mbit/s

95th percentile per-packet one-way delay: 48.106 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

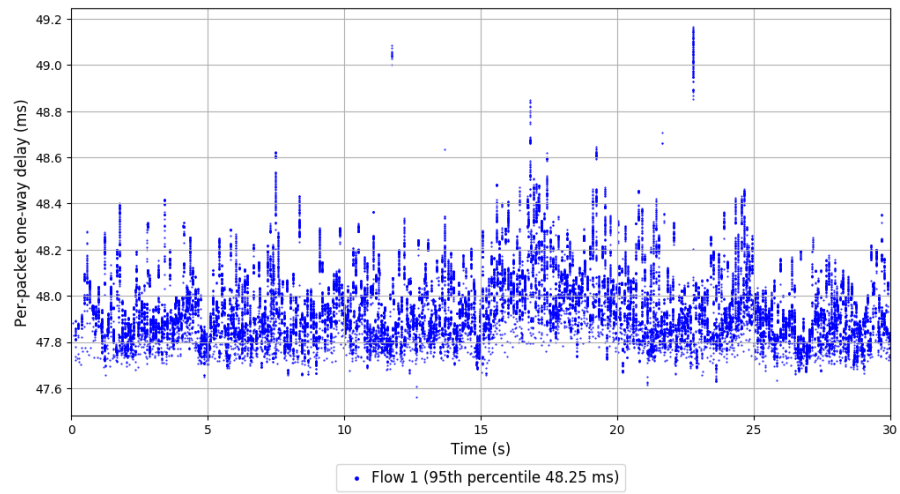
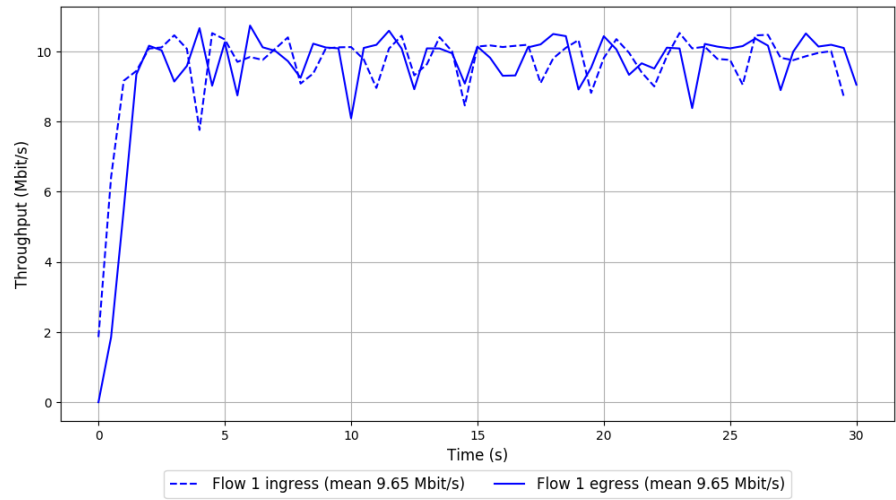


Run 2: Statistics of Sprout

Start at: 2019-02-12 11:40:15
End at: 2019-02-12 11:40:45
Local clock offset: -0.367 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2019-02-12 15:40:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.65 Mbit/s
95th percentile per-packet one-way delay: 48.250 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.65 Mbit/s
95th percentile per-packet one-way delay: 48.250 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

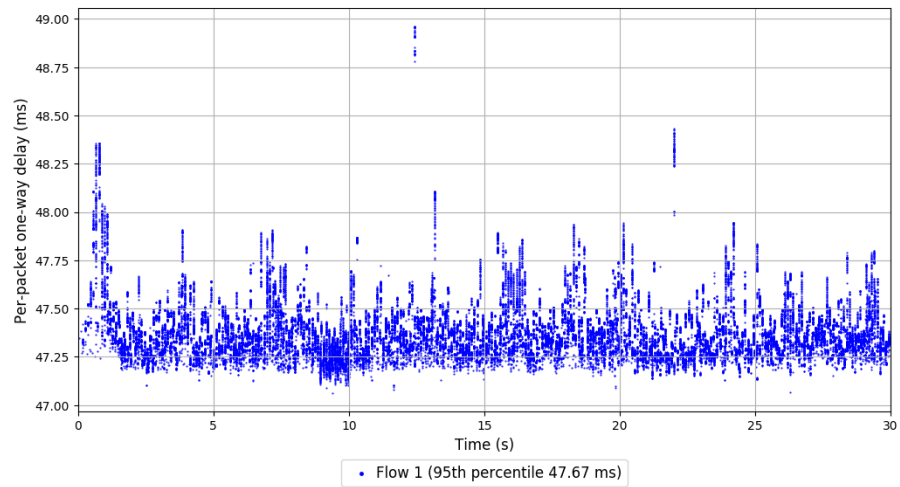
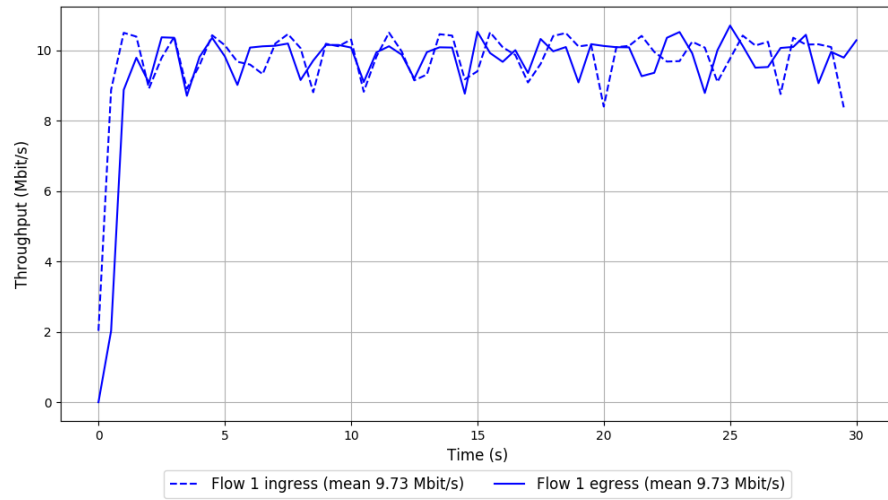


Run 3: Statistics of Sprout

Start at: 2019-02-12 12:11:09
End at: 2019-02-12 12:11:39
Local clock offset: 0.008 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2019-02-12 15:40:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.73 Mbit/s
95th percentile per-packet one-way delay: 47.672 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.73 Mbit/s
95th percentile per-packet one-way delay: 47.672 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2019-02-12 12:42:11

End at: 2019-02-12 12:42:41

Local clock offset: -0.05 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2019-02-12 15:40:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.68 Mbit/s

95th percentile per-packet one-way delay: 47.967 ms

Loss rate: 0.00%

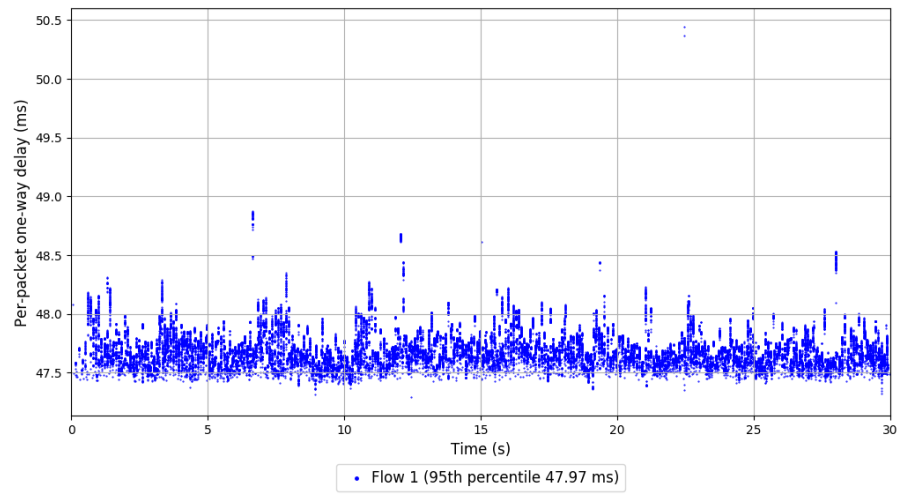
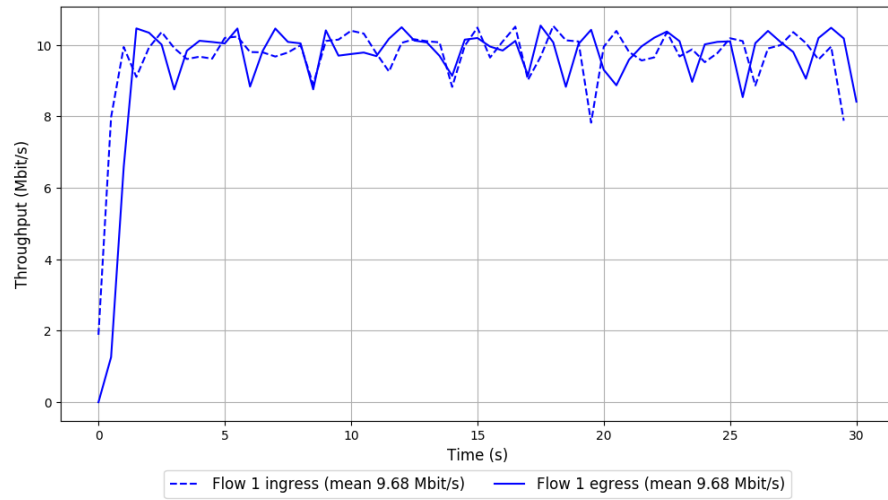
-- Flow 1:

Average throughput: 9.68 Mbit/s

95th percentile per-packet one-way delay: 47.967 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

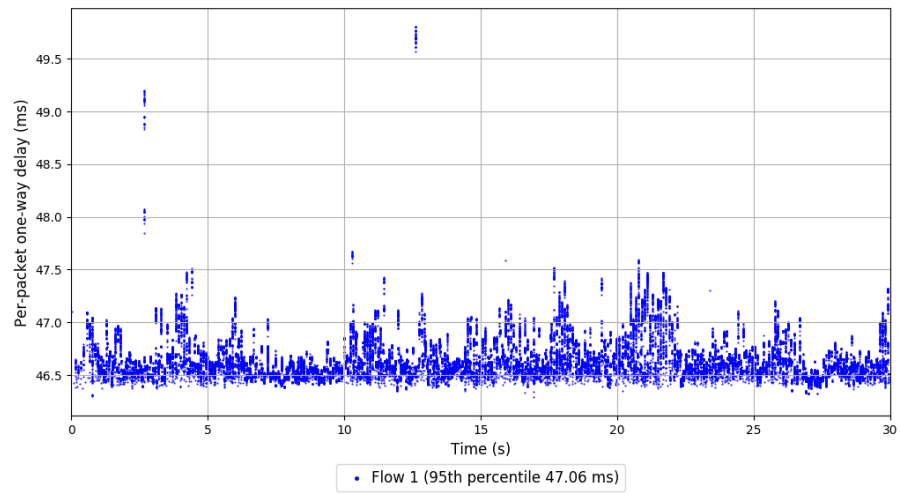
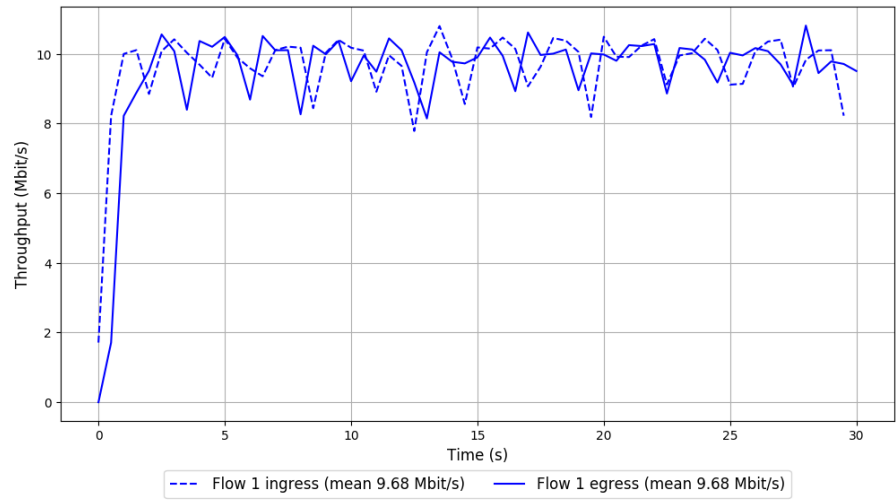


Run 5: Statistics of Sprout

Start at: 2019-02-12 13:13:51
End at: 2019-02-12 13:14:21
Local clock offset: -0.069 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2019-02-12 15:40:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.68 Mbit/s
95th percentile per-packet one-way delay: 47.059 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.68 Mbit/s
95th percentile per-packet one-way delay: 47.059 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2019-02-12 11:34:29

End at: 2019-02-12 11:34:59

Local clock offset: 0.333 ms

Remote clock offset: -0.084 ms

Below is generated by plot.py at 2019-02-12 15:44:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 248.21 Mbit/s

95th percentile per-packet one-way delay: 47.106 ms

Loss rate: 0.00%

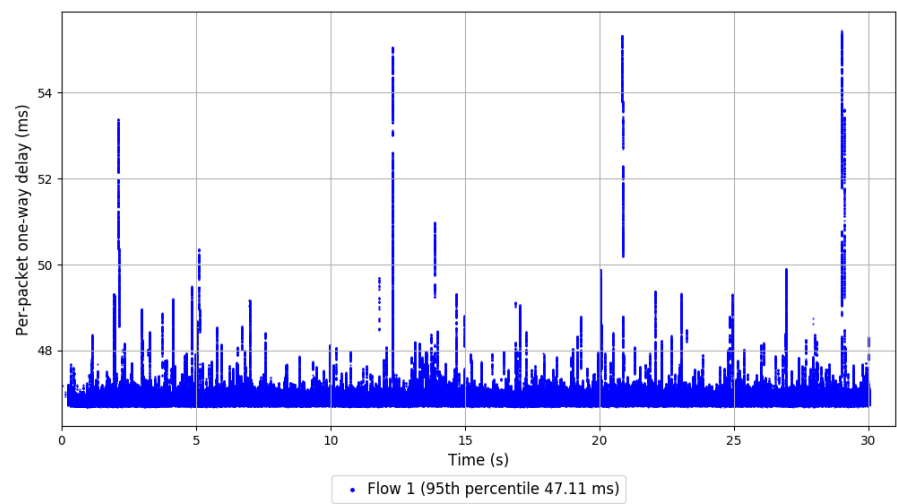
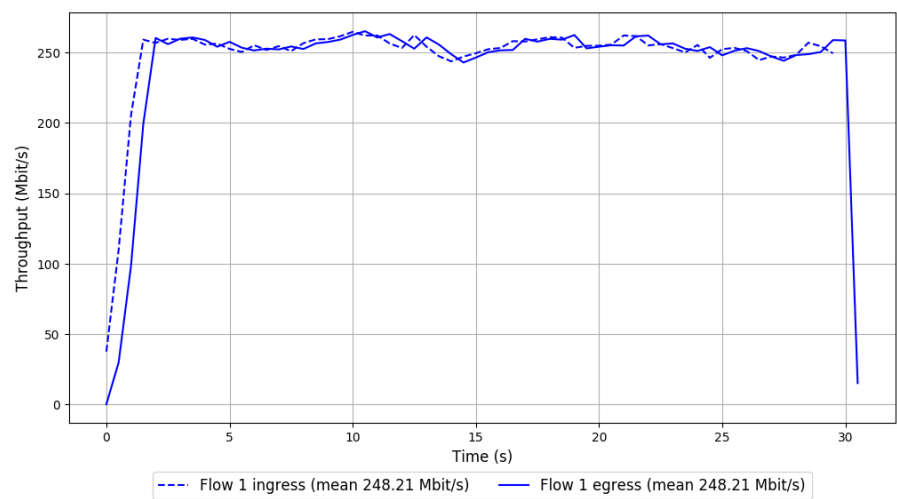
-- Flow 1:

Average throughput: 248.21 Mbit/s

95th percentile per-packet one-way delay: 47.106 ms

Loss rate: 0.00%

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



Run 2: Statistics of TaoVA-100x

Start at: 2019-02-12 12:05:24

End at: 2019-02-12 12:05:55

Local clock offset: 0.017 ms

Remote clock offset: -0.034 ms

Below is generated by plot.py at 2019-02-12 15:44:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 249.48 Mbit/s

95th percentile per-packet one-way delay: 46.950 ms

Loss rate: 0.01%

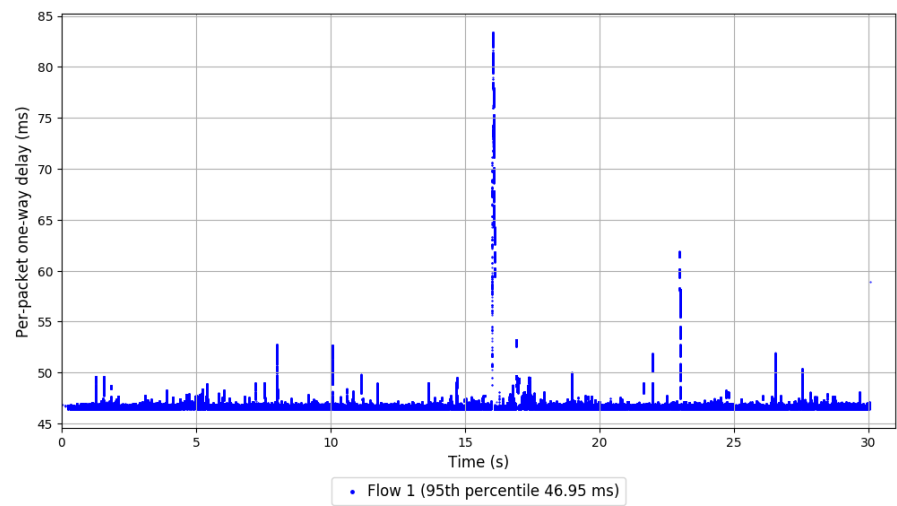
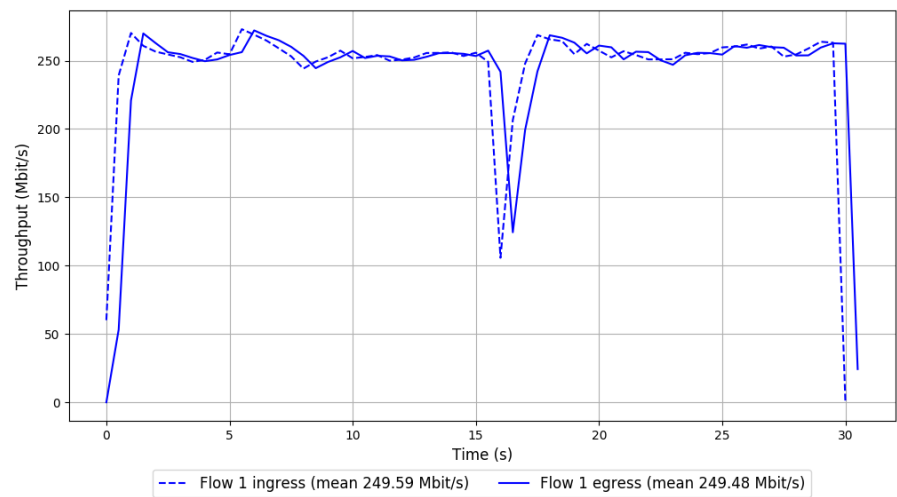
-- Flow 1:

Average throughput: 249.48 Mbit/s

95th percentile per-packet one-way delay: 46.950 ms

Loss rate: 0.01%

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

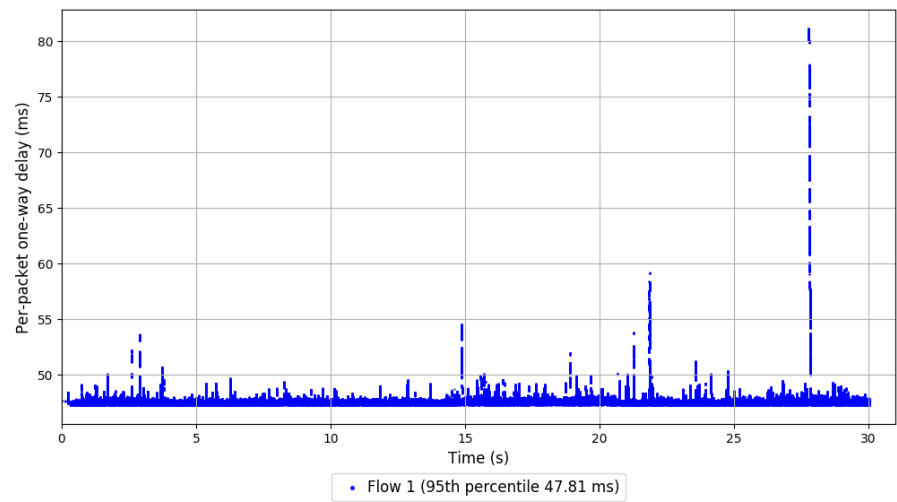
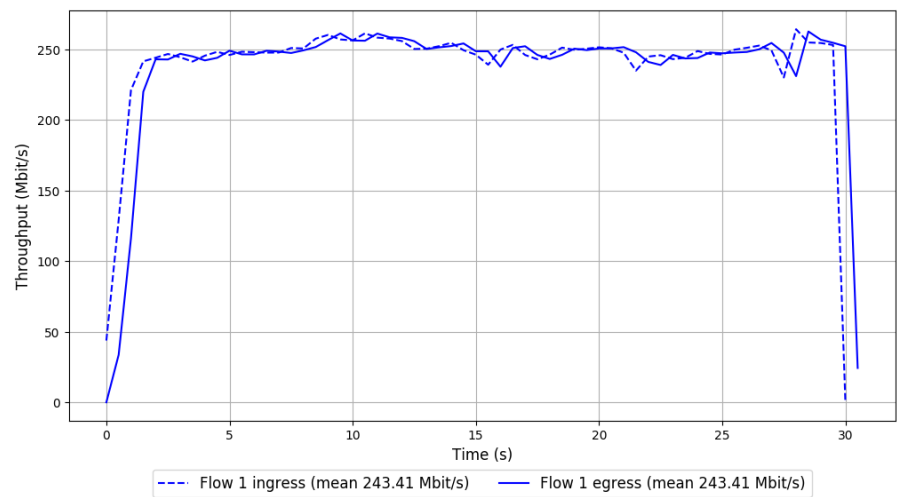


Run 3: Statistics of TaoVA-100x

Start at: 2019-02-12 12:36:20
End at: 2019-02-12 12:36:50
Local clock offset: -0.051 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2019-02-12 15:44:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 243.41 Mbit/s
95th percentile per-packet one-way delay: 47.812 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 243.41 Mbit/s
95th percentile per-packet one-way delay: 47.812 ms
Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-02-12 13:08:06

End at: 2019-02-12 13:08:36

Local clock offset: -0.19 ms

Remote clock offset: -0.114 ms

Below is generated by plot.py at 2019-02-12 15:44:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 241.36 Mbit/s

95th percentile per-packet one-way delay: 46.782 ms

Loss rate: 0.00%

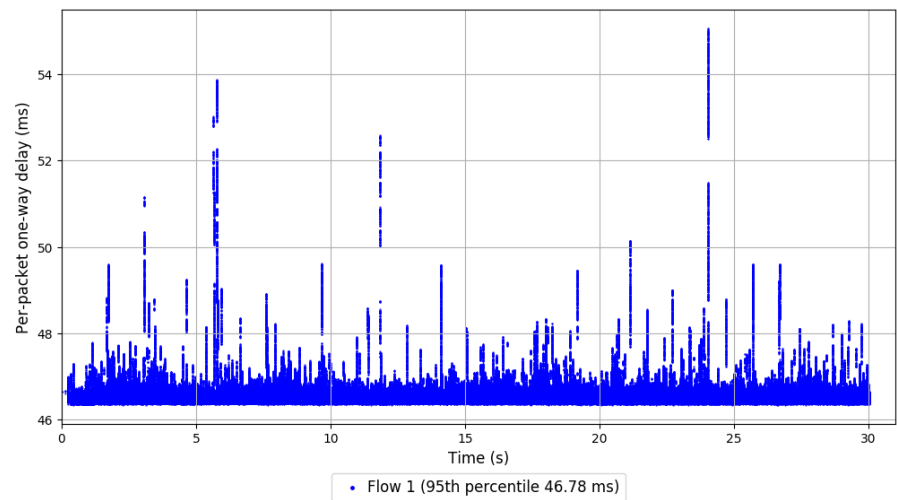
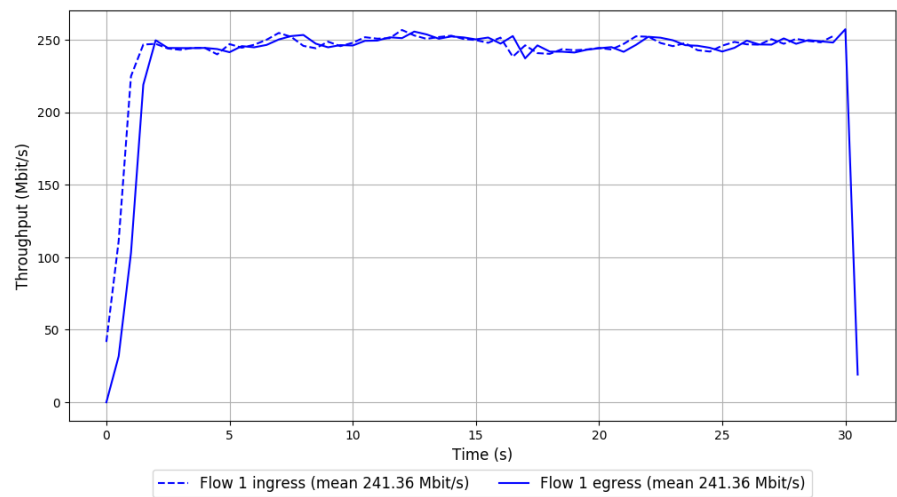
-- Flow 1:

Average throughput: 241.36 Mbit/s

95th percentile per-packet one-way delay: 46.782 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2019-02-12 13:38:44

End at: 2019-02-12 13:39:14

Local clock offset: -0.297 ms

Remote clock offset: -0.044 ms

Below is generated by plot.py at 2019-02-12 15:44:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 245.11 Mbit/s

95th percentile per-packet one-way delay: 48.125 ms

Loss rate: 0.00%

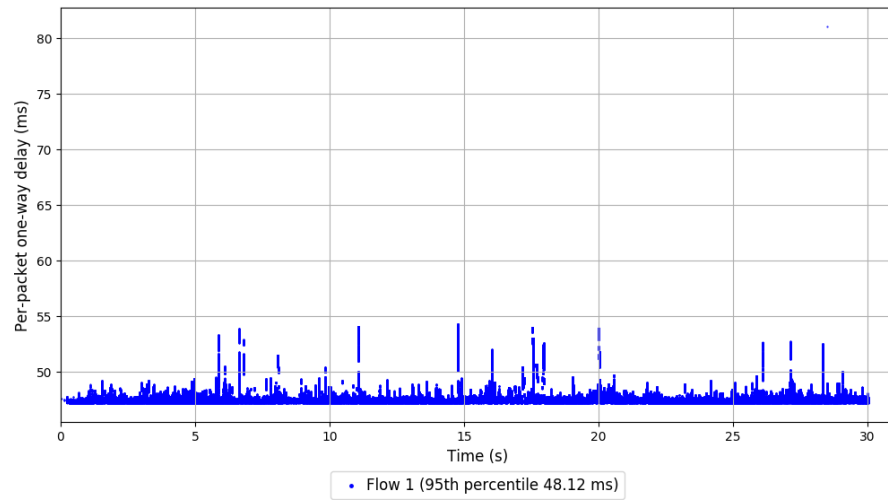
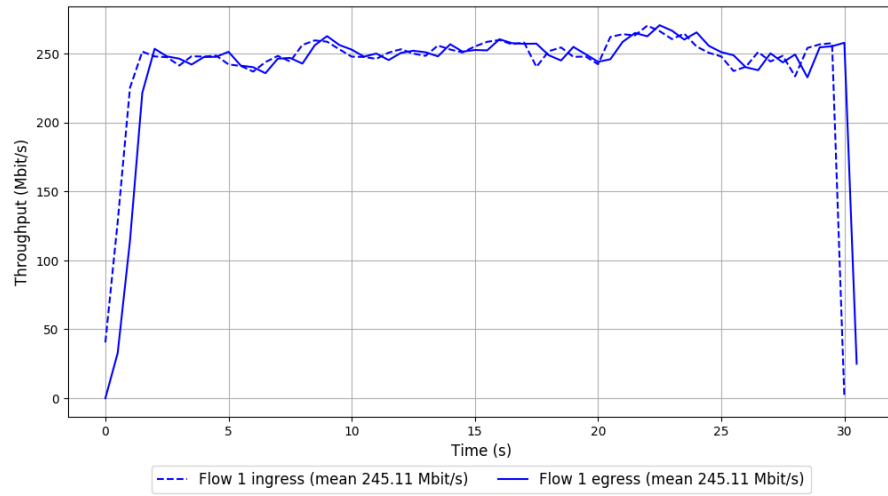
-- Flow 1:

Average throughput: 245.11 Mbit/s

95th percentile per-packet one-way delay: 48.125 ms

Loss rate: 0.00%

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

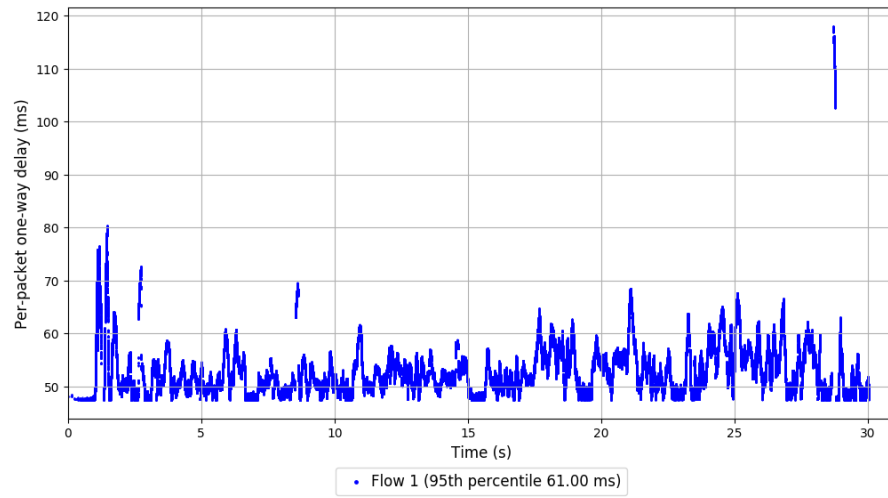
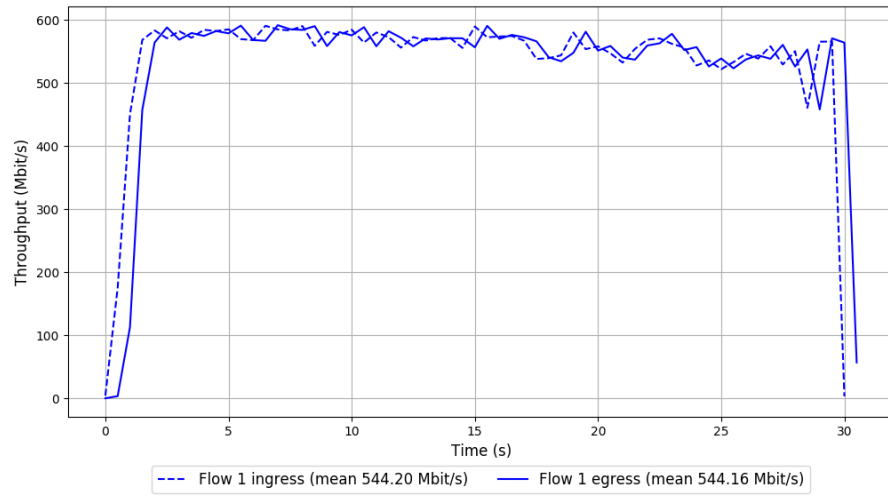


Run 1: Statistics of TCP Vegas

Start at: 2019-02-12 11:31:25
End at: 2019-02-12 11:31:55
Local clock offset: 0.01 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2019-02-12 15:48:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 544.16 Mbit/s
95th percentile per-packet one-way delay: 61.001 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 544.16 Mbit/s
95th percentile per-packet one-way delay: 61.001 ms
Loss rate: 0.01%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

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

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

Local clock offset: -0.01 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2019-02-12 15:50:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 535.39 Mbit/s

95th percentile per-packet one-way delay: 79.953 ms

Loss rate: 0.01%

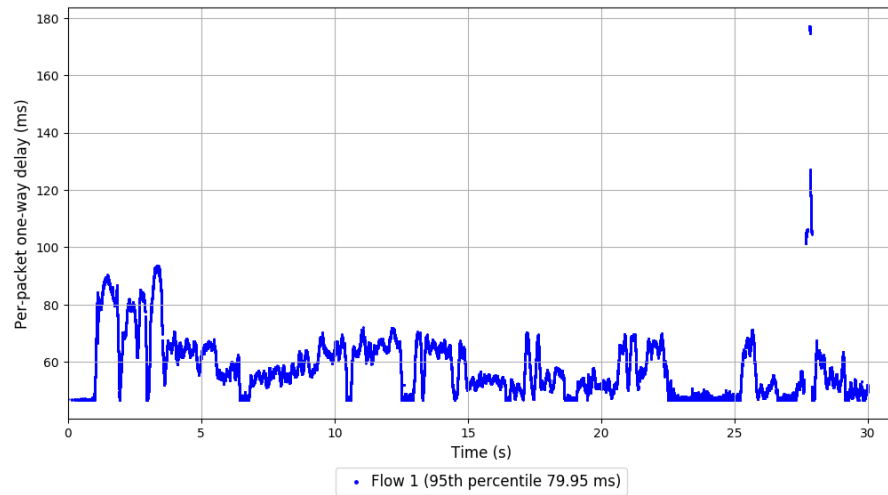
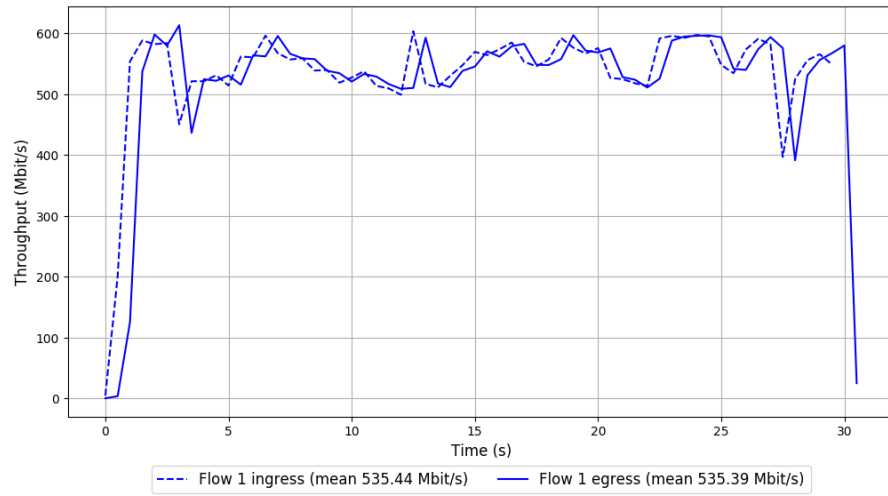
-- Flow 1:

Average throughput: 535.39 Mbit/s

95th percentile per-packet one-way delay: 79.953 ms

Loss rate: 0.01%

Run 2: Report of TCP Vegas — Data Link

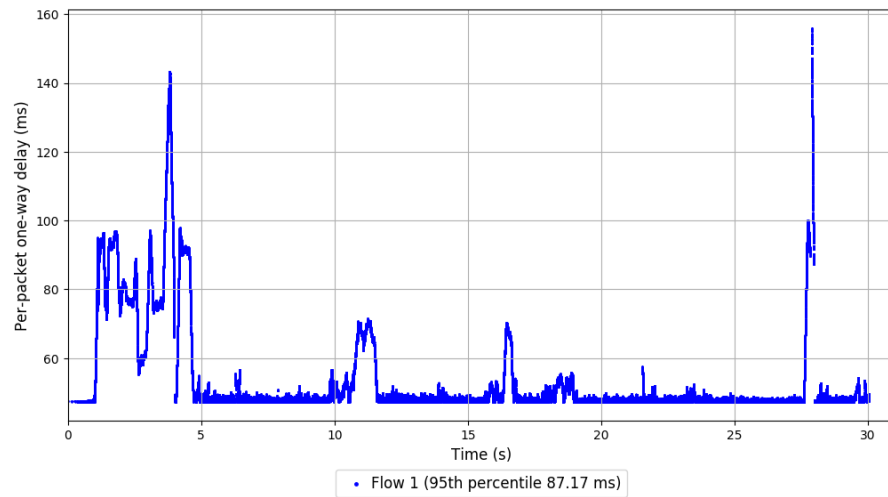
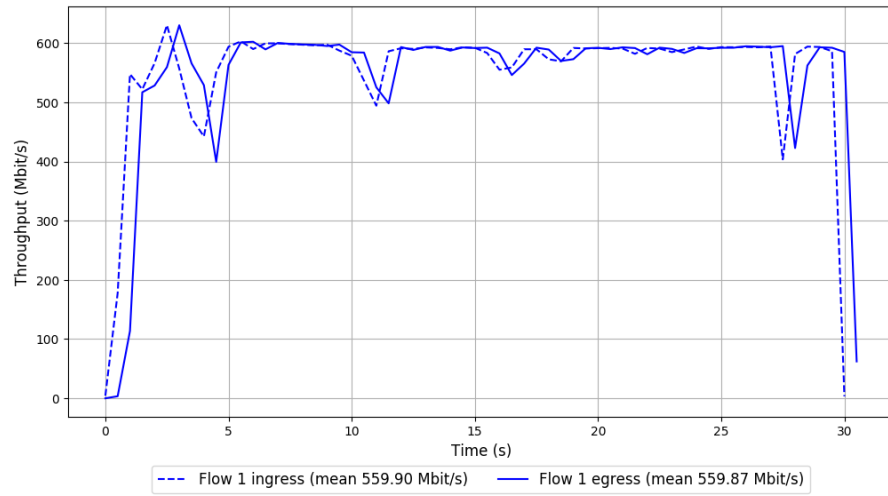


Run 3: Statistics of TCP Vegas

Start at: 2019-02-12 12:33:06
End at: 2019-02-12 12:33:36
Local clock offset: -0.054 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2019-02-12 15:53:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 559.87 Mbit/s
95th percentile per-packet one-way delay: 87.169 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 559.87 Mbit/s
95th percentile per-packet one-way delay: 87.169 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

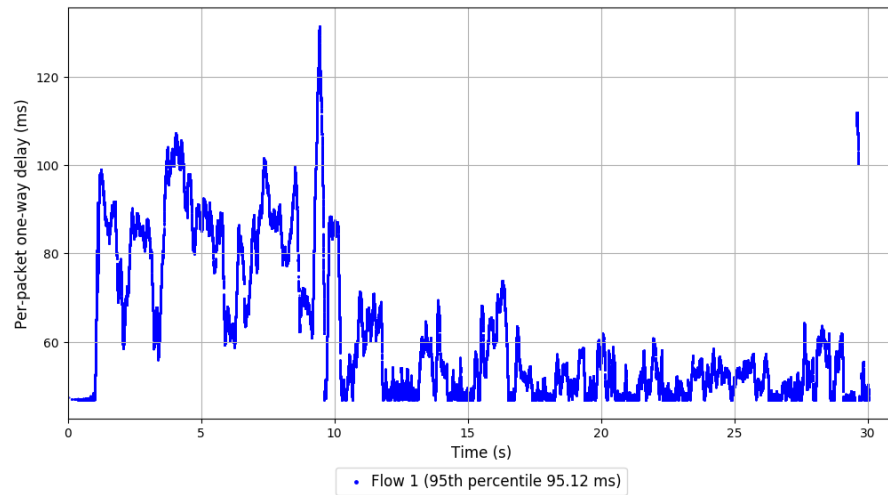
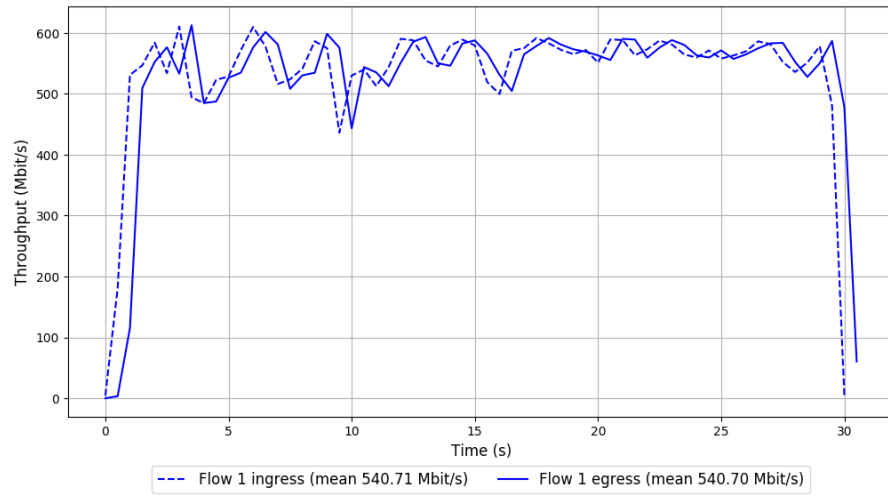


Run 4: Statistics of TCP Vegas

Start at: 2019-02-12 13:04:54
End at: 2019-02-12 13:05:24
Local clock offset: 0.204 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2019-02-12 15:55:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 540.70 Mbit/s
95th percentile per-packet one-way delay: 95.125 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 540.70 Mbit/s
95th percentile per-packet one-way delay: 95.125 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

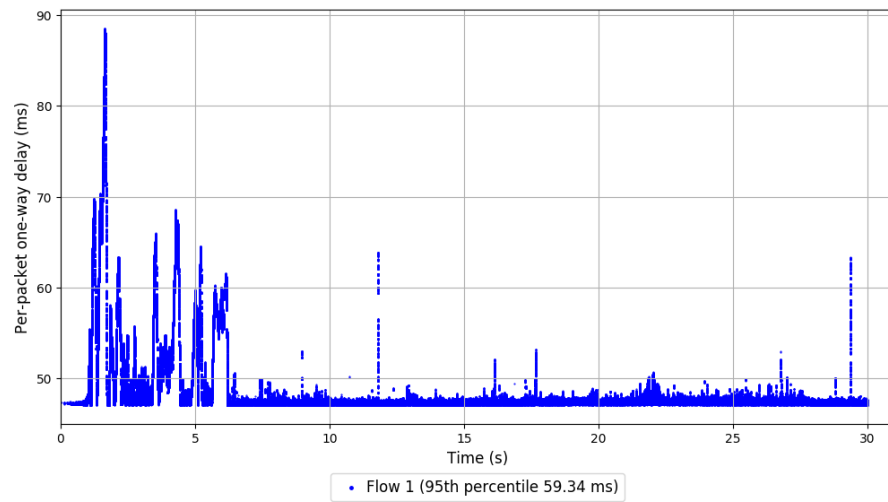
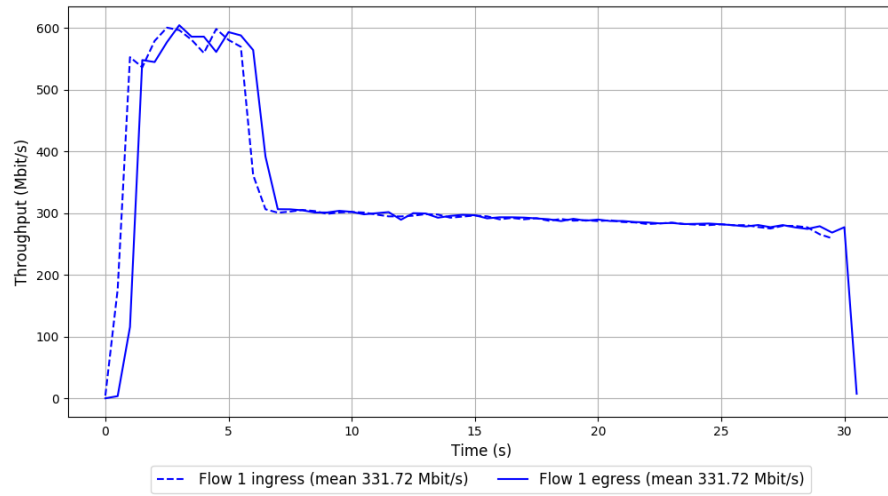


Run 5: Statistics of TCP Vegas

Start at: 2019-02-12 13:35:45
End at: 2019-02-12 13:36:15
Local clock offset: -0.072 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2019-02-12 15:55:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 331.72 Mbit/s
95th percentile per-packet one-way delay: 59.338 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 331.72 Mbit/s
95th percentile per-packet one-way delay: 59.338 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

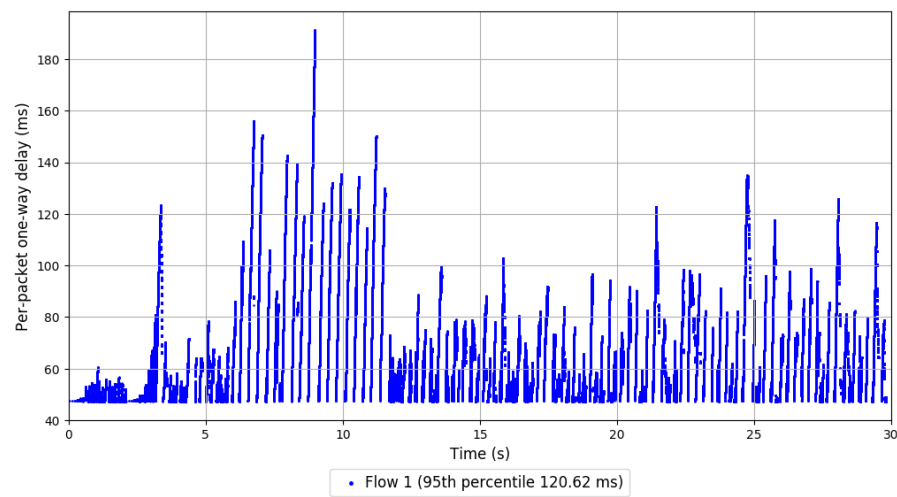
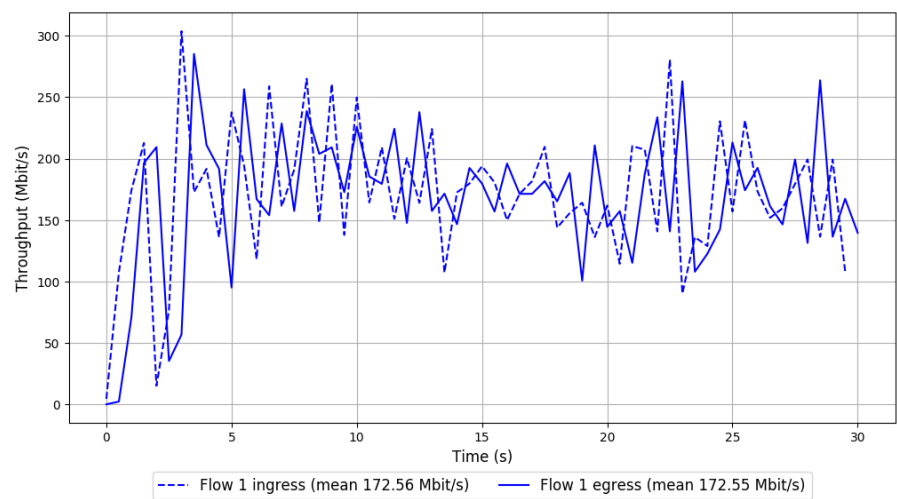


Run 1: Statistics of Verus

Start at: 2019-02-12 11:24:18
End at: 2019-02-12 11:24:48
Local clock offset: -0.028 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2019-02-12 15:55:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 172.55 Mbit/s
95th percentile per-packet one-way delay: 120.624 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 172.55 Mbit/s
95th percentile per-packet one-way delay: 120.624 ms
Loss rate: 0.00%

Run 1: Report of Verus — Data Link

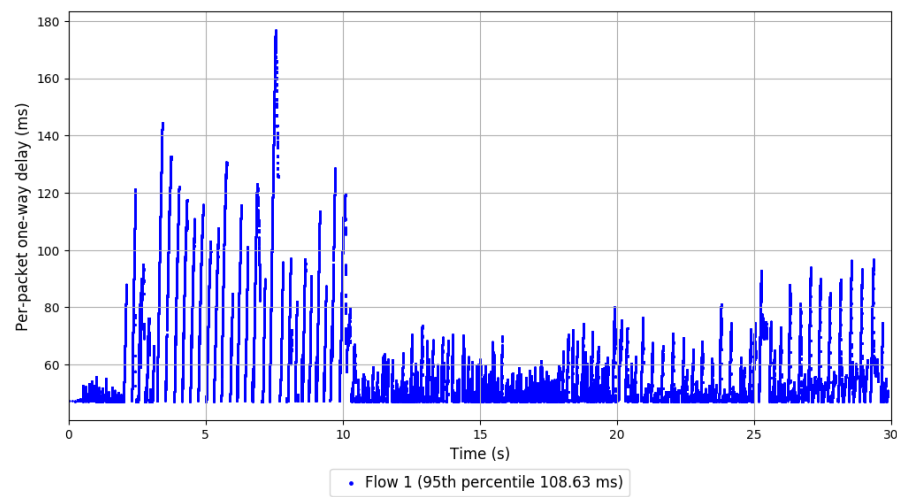
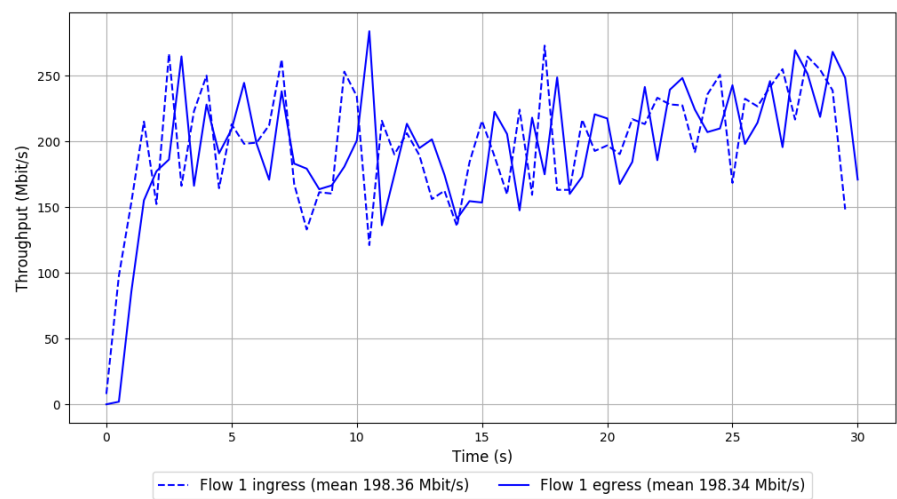


Run 2: Statistics of Verus

Start at: 2019-02-12 11:55:03
End at: 2019-02-12 11:55:33
Local clock offset: -0.01 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2019-02-12 15:55:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 198.34 Mbit/s
95th percentile per-packet one-way delay: 108.626 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 198.34 Mbit/s
95th percentile per-packet one-way delay: 108.626 ms
Loss rate: 0.00%

Run 2: Report of Verus — Data Link

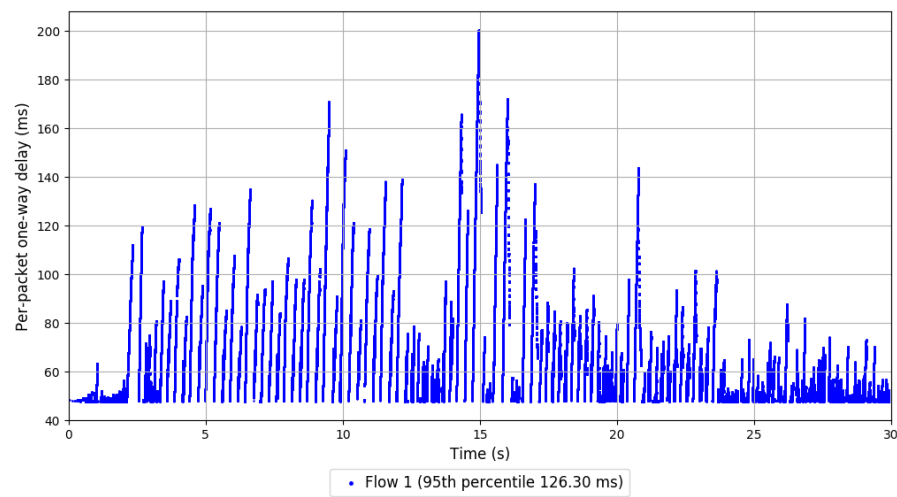
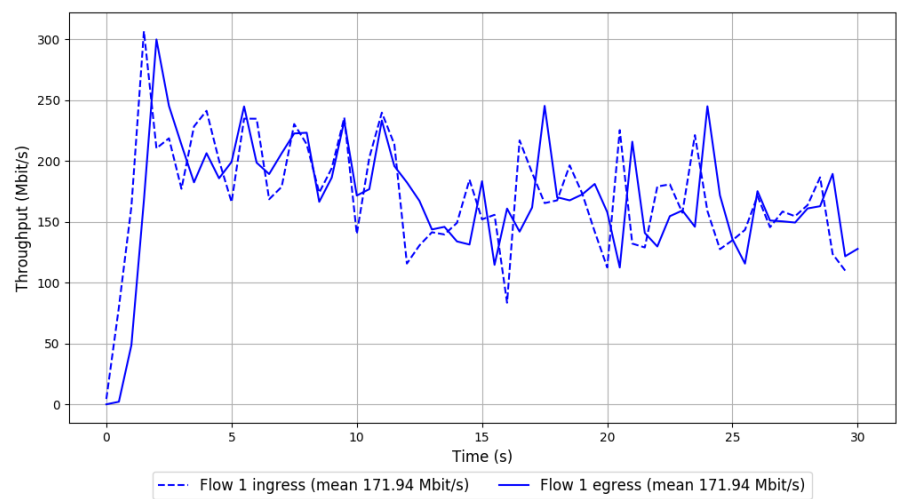


Run 3: Statistics of Verus

Start at: 2019-02-12 12:25:58
End at: 2019-02-12 12:26:28
Local clock offset: -0.381 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2019-02-12 15:55:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 171.94 Mbit/s
95th percentile per-packet one-way delay: 126.300 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 171.94 Mbit/s
95th percentile per-packet one-way delay: 126.300 ms
Loss rate: 0.00%

Run 3: Report of Verus — Data Link

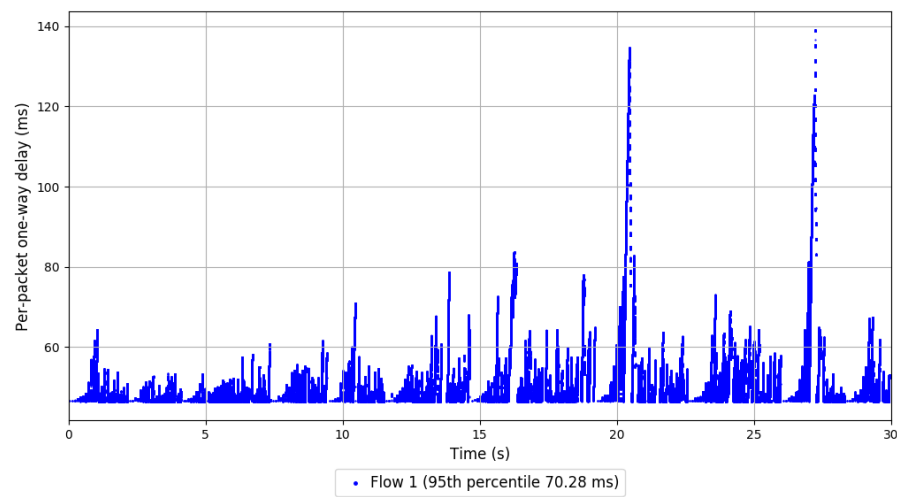
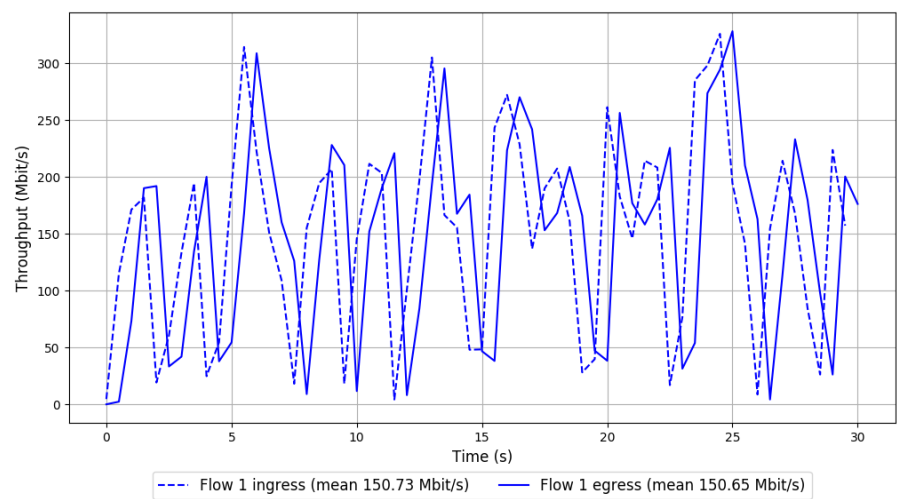


Run 4: Statistics of Verus

Start at: 2019-02-12 12:57:49
End at: 2019-02-12 12:58:19
Local clock offset: -0.11 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2019-02-12 15:55:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 150.65 Mbit/s
95th percentile per-packet one-way delay: 70.285 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 150.65 Mbit/s
95th percentile per-packet one-way delay: 70.285 ms
Loss rate: 0.05%

Run 4: Report of Verus — Data Link

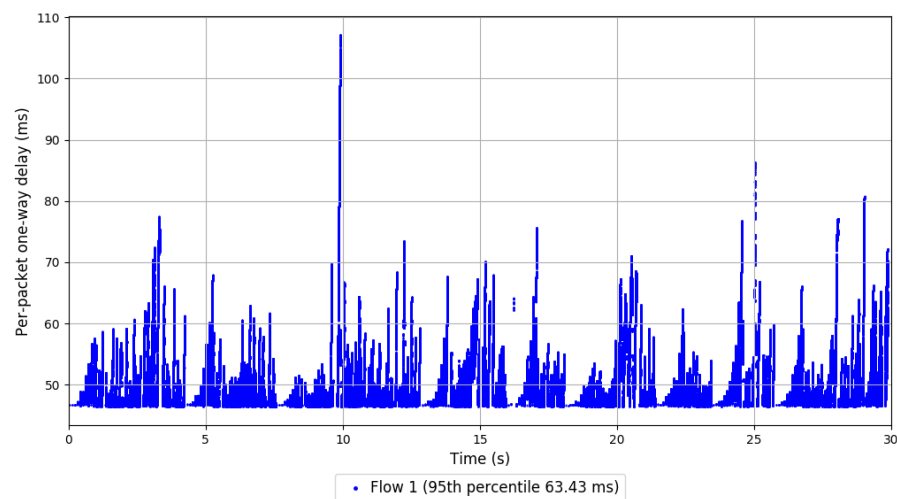
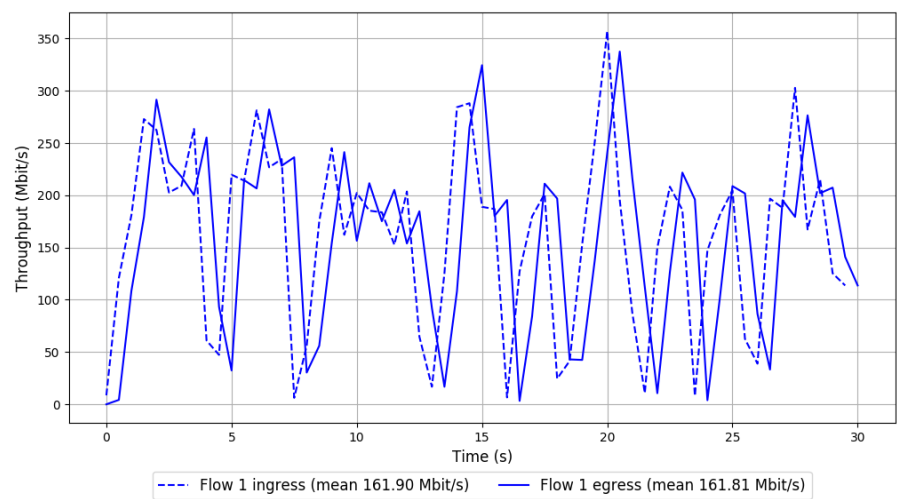


Run 5: Statistics of Verus

Start at: 2019-02-12 13:28:39
End at: 2019-02-12 13:29:09
Local clock offset: -0.259 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2019-02-12 15:55:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 161.81 Mbit/s
95th percentile per-packet one-way delay: 63.434 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 161.81 Mbit/s
95th percentile per-packet one-way delay: 63.434 ms
Loss rate: 0.00%

Run 5: Report of Verus — Data Link

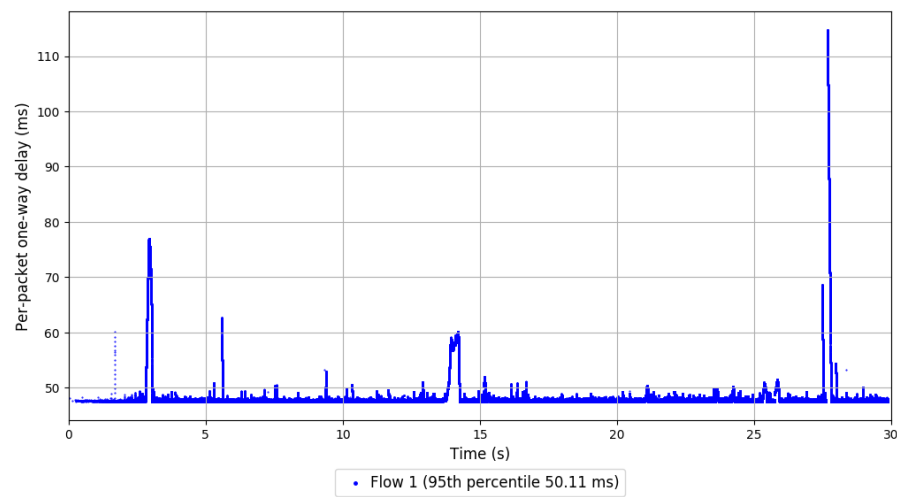
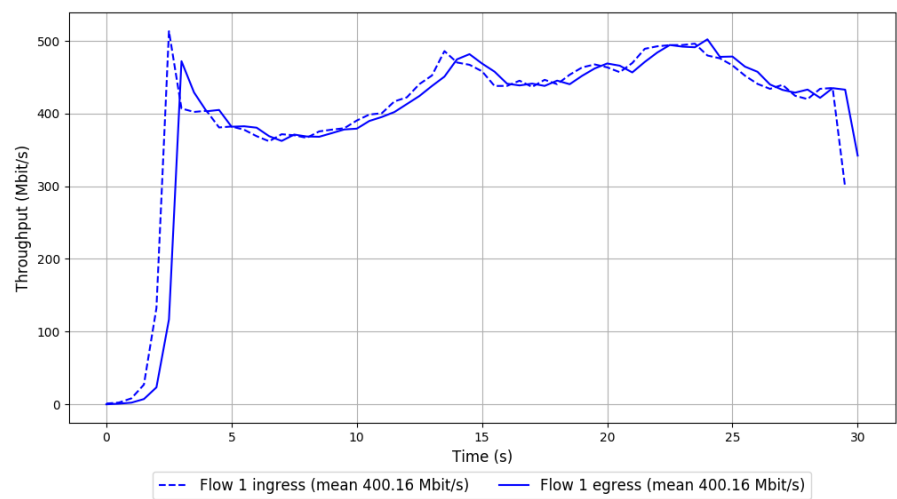


Run 1: Statistics of PCC-Vivace

Start at: 2019-02-12 11:11:51
End at: 2019-02-12 11:12:21
Local clock offset: -0.072 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2019-02-12 15:58:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 400.16 Mbit/s
95th percentile per-packet one-way delay: 50.109 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 400.16 Mbit/s
95th percentile per-packet one-way delay: 50.109 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-02-12 11:42:57

End at: 2019-02-12 11:43:27

Local clock offset: 0.019 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2019-02-12 15:58:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 425.05 Mbit/s

95th percentile per-packet one-way delay: 50.608 ms

Loss rate: 0.00%

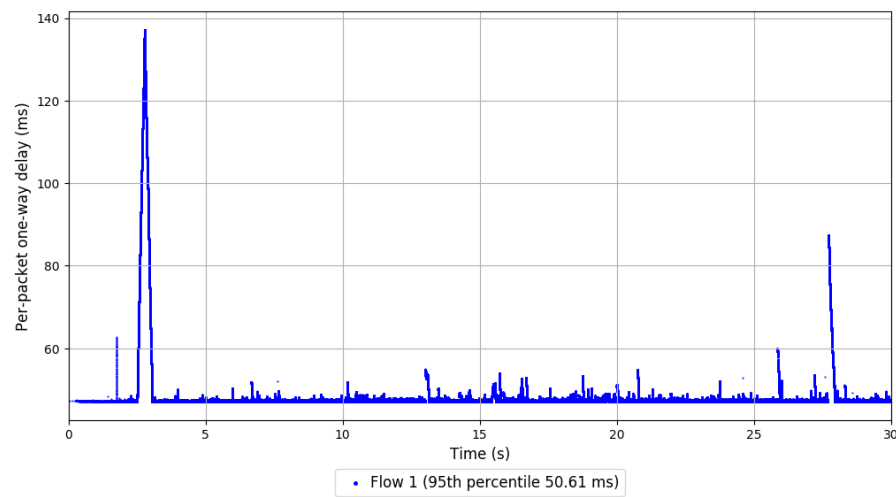
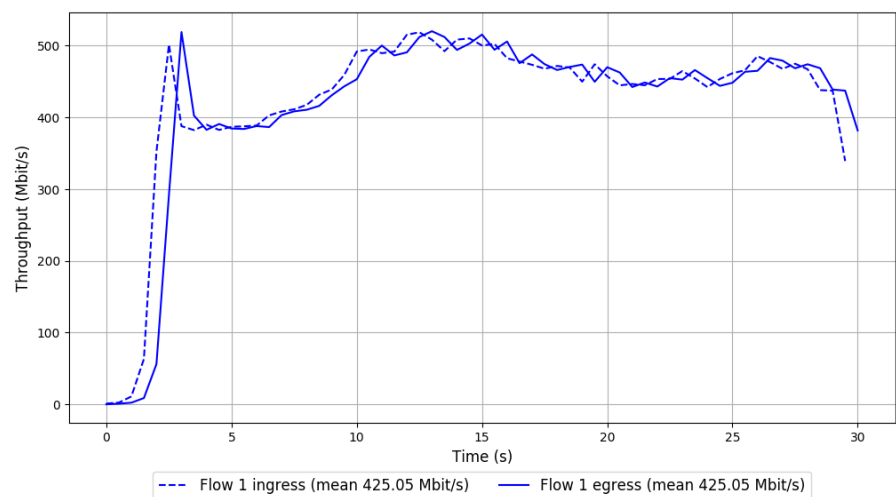
-- Flow 1:

Average throughput: 425.05 Mbit/s

95th percentile per-packet one-way delay: 50.608 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link

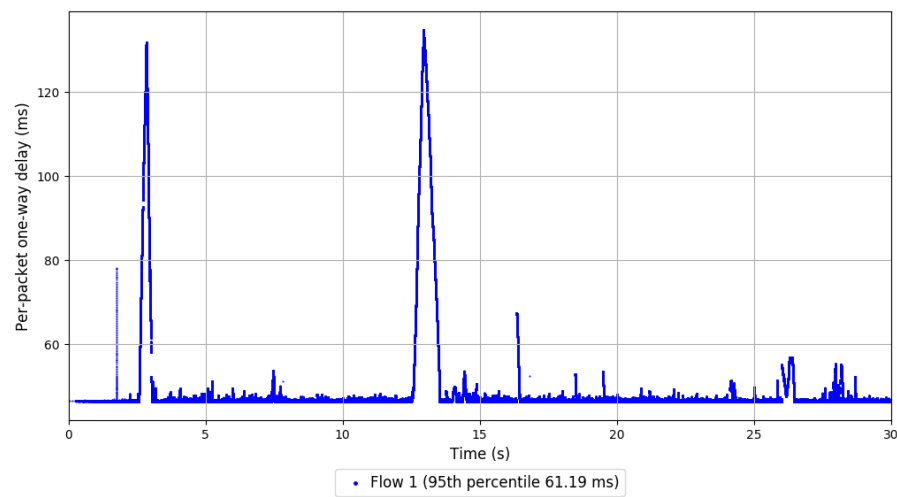
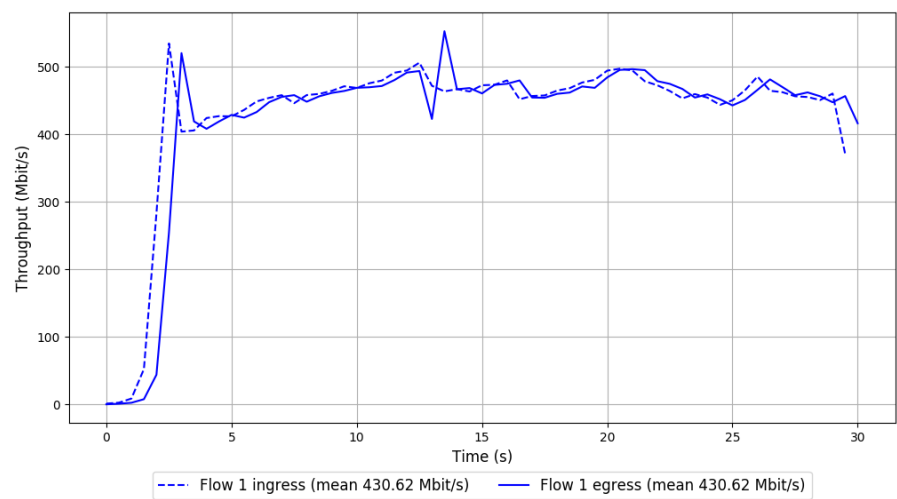


Run 3: Statistics of PCC-Vivace

Start at: 2019-02-12 12:13:50
End at: 2019-02-12 12:14:20
Local clock offset: 0.013 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2019-02-12 15:58:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 430.62 Mbit/s
95th percentile per-packet one-way delay: 61.191 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 430.62 Mbit/s
95th percentile per-packet one-way delay: 61.191 ms
Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

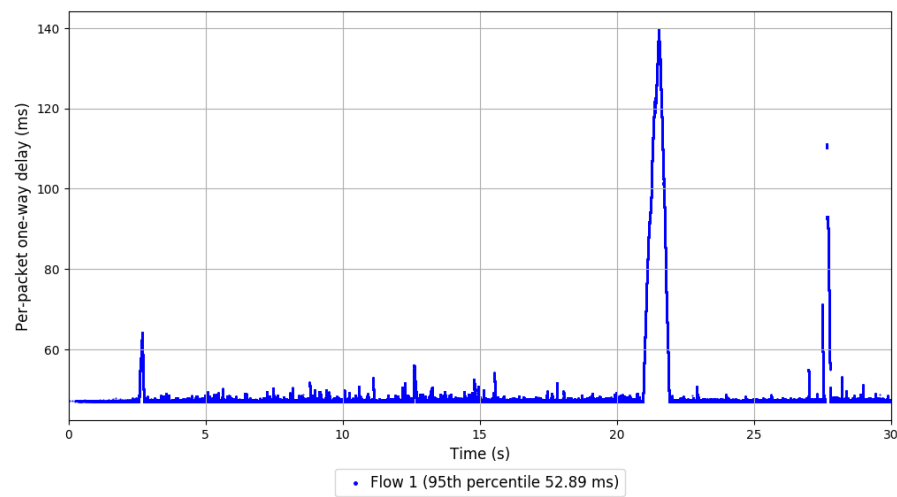
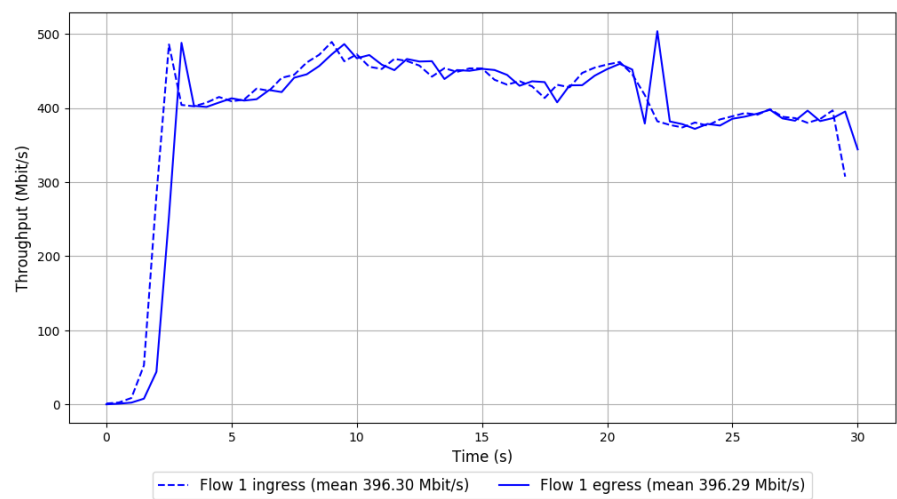


Run 4: Statistics of PCC-Vivace

Start at: 2019-02-12 12:45:00
End at: 2019-02-12 12:45:30
Local clock offset: -0.049 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2019-02-12 15:58:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 396.29 Mbit/s
95th percentile per-packet one-way delay: 52.886 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 396.29 Mbit/s
95th percentile per-packet one-way delay: 52.886 ms
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

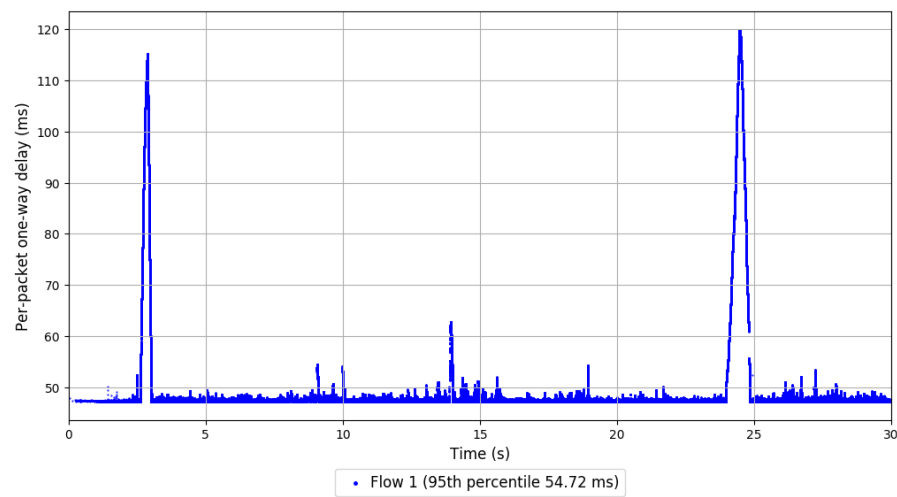
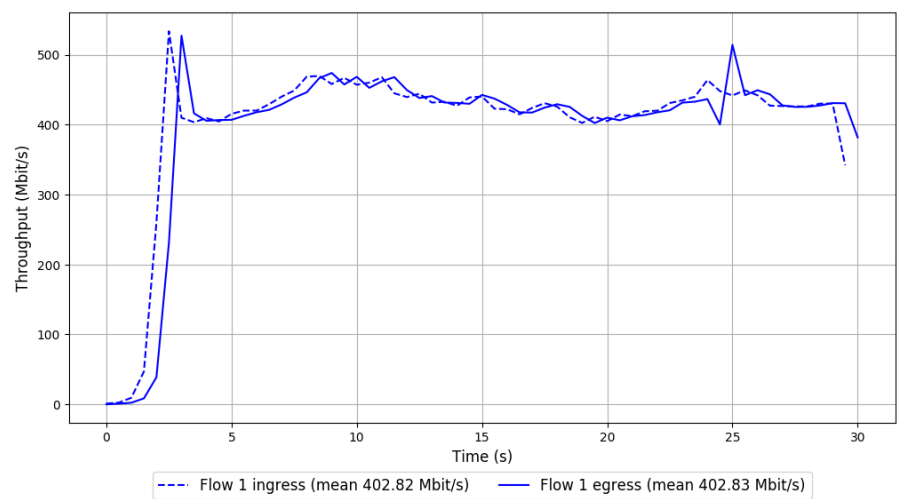


Run 5: Statistics of PCC-Vivace

Start at: 2019-02-12 13:16:33
End at: 2019-02-12 13:17:03
Local clock offset: -0.225 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2019-02-12 15:58:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 402.83 Mbit/s
95th percentile per-packet one-way delay: 54.721 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 402.83 Mbit/s
95th percentile per-packet one-way delay: 54.721 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

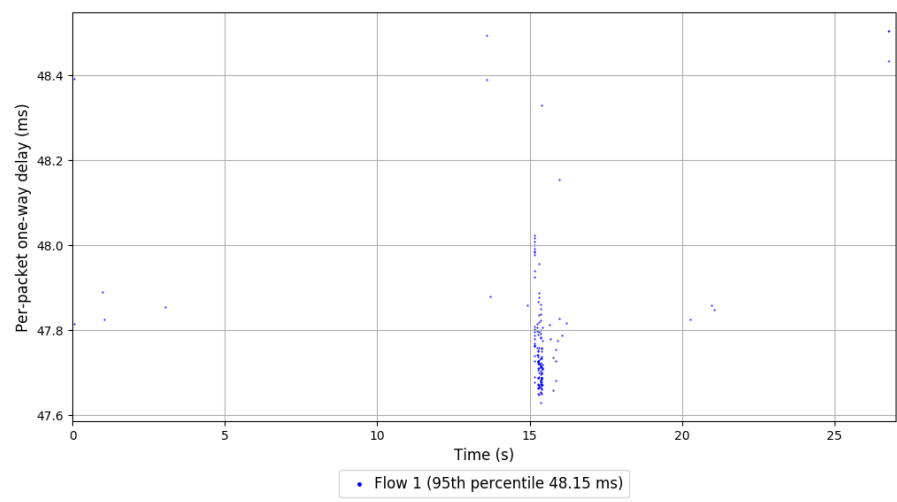
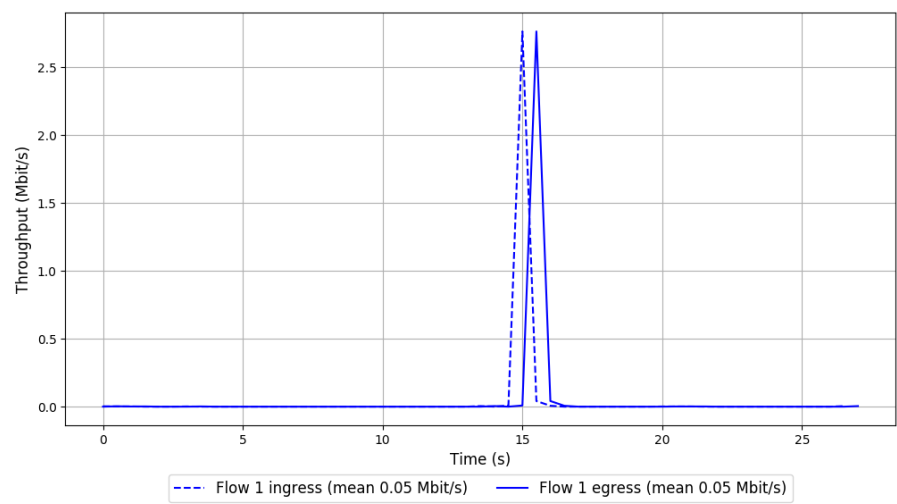


Run 1: Statistics of WebRTC media

Start at: 2019-02-12 11:23:11
End at: 2019-02-12 11:23:41
Local clock offset: -0.405 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2019-02-12 15:58:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 48.154 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 48.154 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

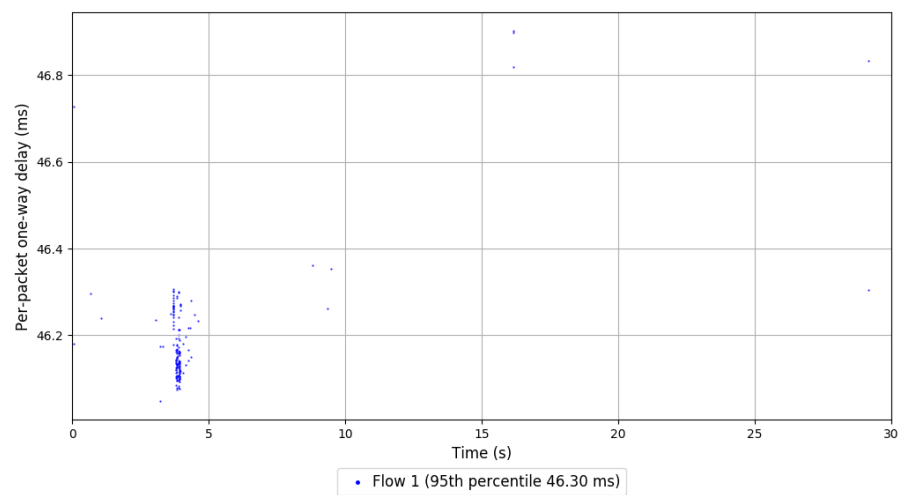
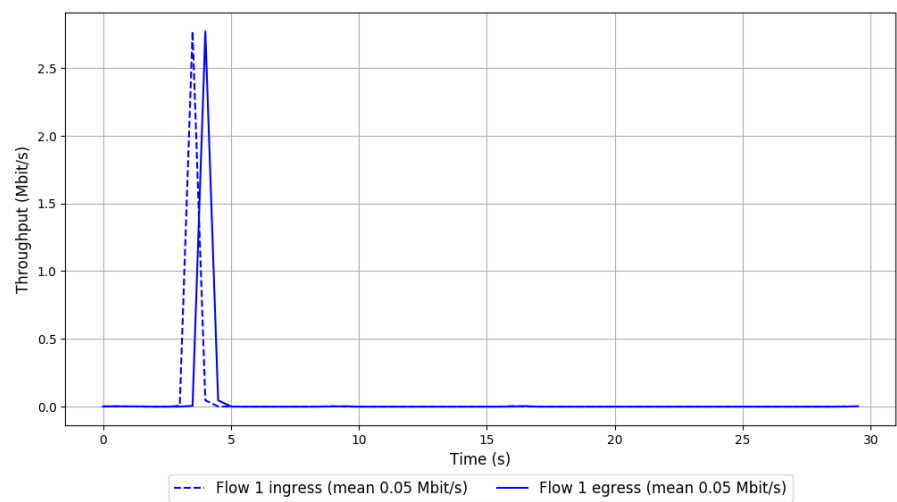


Run 2: Statistics of WebRTC media

Start at: 2019-02-12 11:53:56
End at: 2019-02-12 11:54:26
Local clock offset: 0.395 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2019-02-12 15:58:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 46.304 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 46.304 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

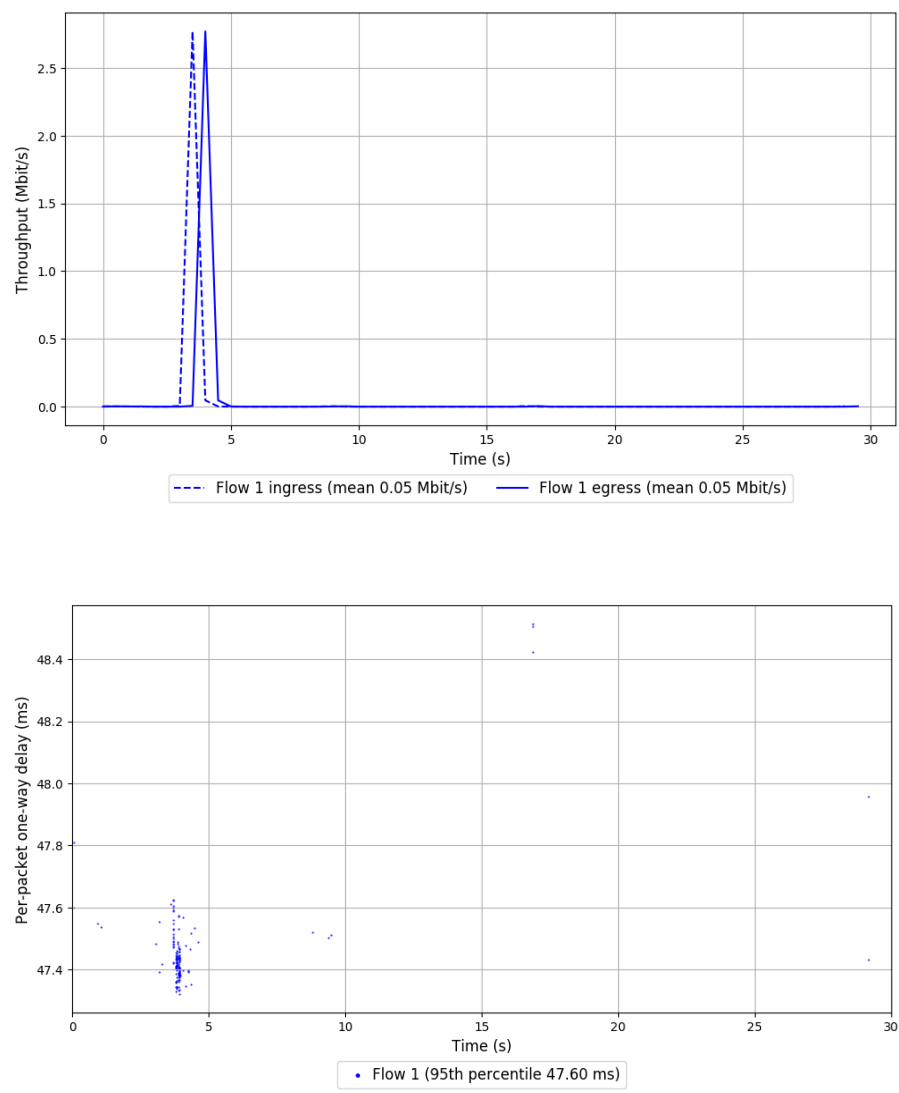


Run 3: Statistics of WebRTC media

Start at: 2019-02-12 12:24:51
End at: 2019-02-12 12:25:21
Local clock offset: -0.009 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2019-02-12 15:58:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 47.604 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 47.604 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-02-12 12:56:41

End at: 2019-02-12 12:57:11

Local clock offset: -0.092 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2019-02-12 15:58:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.14 Mbit/s

95th percentile per-packet one-way delay: 47.640 ms

Loss rate: 0.00%

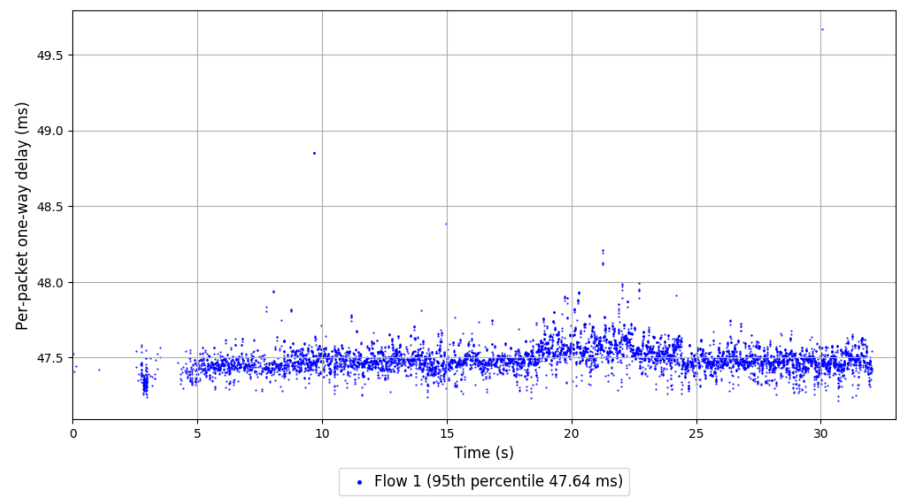
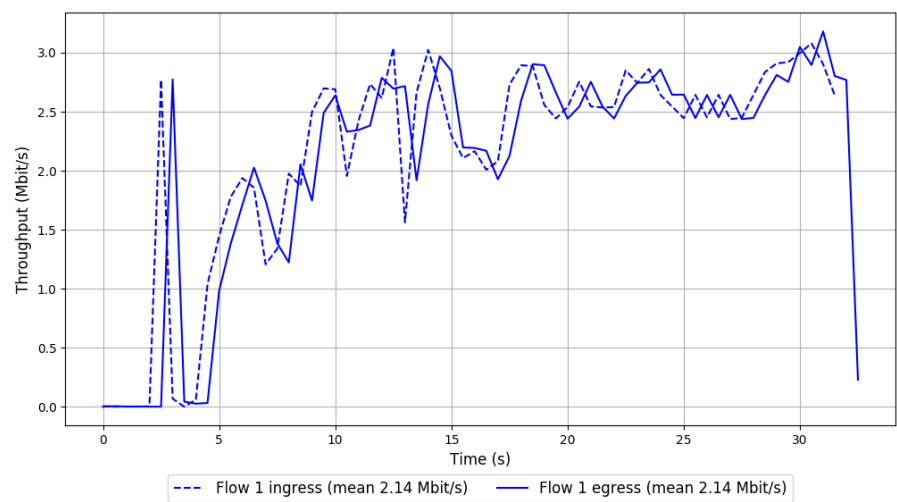
-- Flow 1:

Average throughput: 2.14 Mbit/s

95th percentile per-packet one-way delay: 47.640 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-02-12 13:27:31
End at: 2019-02-12 13:28:01
Local clock offset: -0.288 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2019-02-12 15:58:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 47.621 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 47.621 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

