

Pantheon Report

Generated at 2019-02-05 15:10:33 (UTC).

Data path: Mexico on **em1** (*remote*) → AWS California 2 on **ens5** (*local*).

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.stanford.edu** and have been applied to correct the timestamps in logs.

System info:

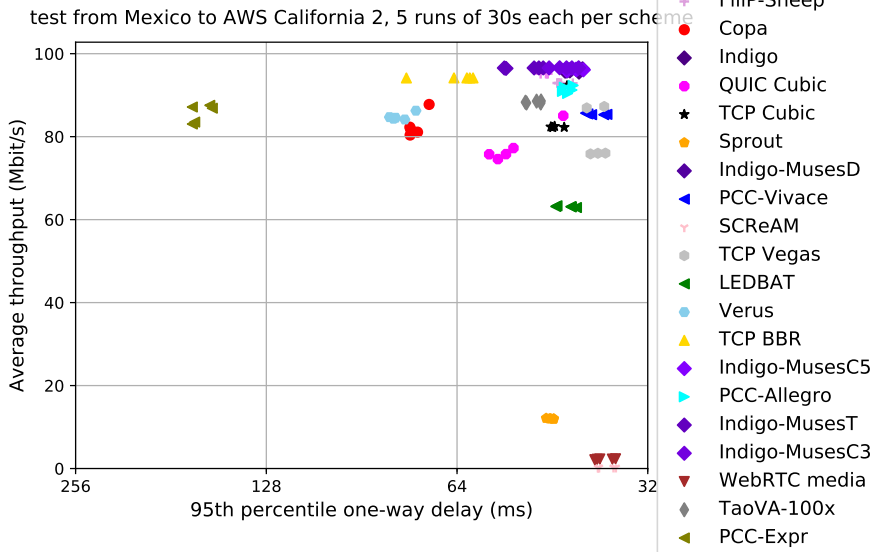
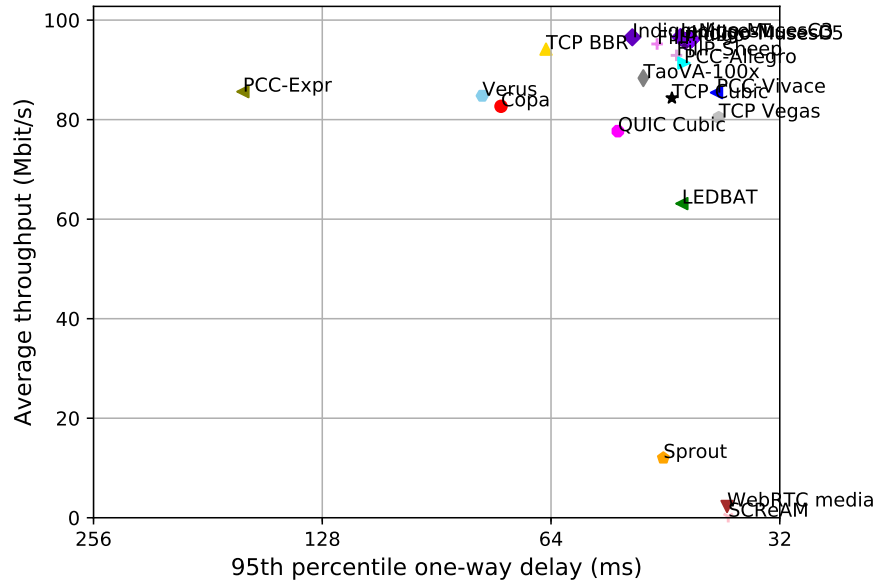
```
Linux 4.15.0-1031-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

```
branch: muses @ 7a686f7c2ed0a333082c0bab1fa5c921ab47e6ee
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
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 Mexico to AWS California 2, 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	94.17	64.98	0.66
Copa	5	82.68	74.47	0.29
TCP Cubic	5	84.33	44.37	0.29
FillP	5	95.20	46.40	0.22
FillP-Sheep	5	92.91	43.76	0.23
Indigo	5	95.79	42.59	0.23
Indigo-MusesC3	5	96.59	43.24	0.24
Indigo-MusesC5	5	96.11	41.85	0.24
Indigo-MusesD	5	96.15	41.81	0.24
Indigo-MusesT	5	96.54	50.03	1.01
LEDBAT	5	63.13	43.05	0.20
PCC-Allegro	5	91.37	42.78	0.24
PCC-Expr	5	85.62	162.81	0.34
QUIC Cubic	5	77.69	52.27	0.27
SCReAM	5	0.21	37.41	0.21
Sprout	5	12.02	45.54	0.17
TaoVA-100x	5	88.34	48.39	0.23
TCP Vegas	5	80.41	38.50	0.33
Verus	5	84.80	78.83	0.47
PCC-Vivace	5	85.43	38.76	0.22
WebRTC media	5	2.26	37.54	0.24

Run 1: Statistics of TCP BBR

Start at: 2019-02-05 13:06:31

End at: 2019-02-05 13:07:01

Local clock offset: 1.419 ms

Remote clock offset: -8.487 ms

Below is generated by plot.py at 2019-02-05 14:57:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.17 Mbit/s

95th percentile per-packet one-way delay: 60.389 ms

Loss rate: 0.52%

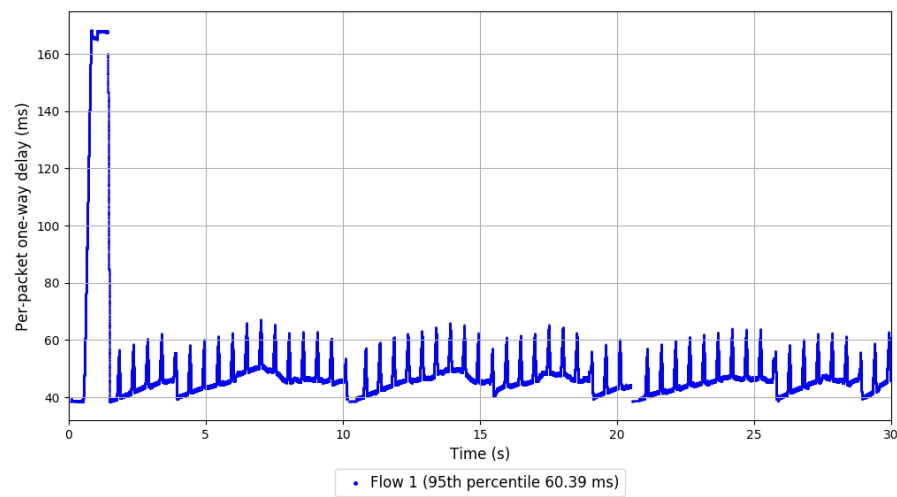
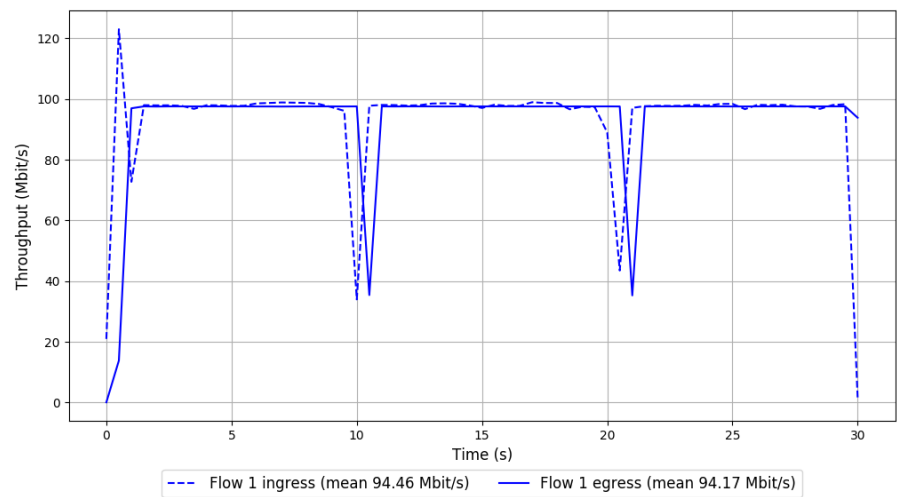
-- Flow 1:

Average throughput: 94.17 Mbit/s

95th percentile per-packet one-way delay: 60.389 ms

Loss rate: 0.52%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-02-05 13:31:03

End at: 2019-02-05 13:31:33

Local clock offset: 1.174 ms

Remote clock offset: -6.795 ms

Below is generated by plot.py at 2019-02-05 14:57:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.17 Mbit/s

95th percentile per-packet one-way delay: 64.717 ms

Loss rate: 0.76%

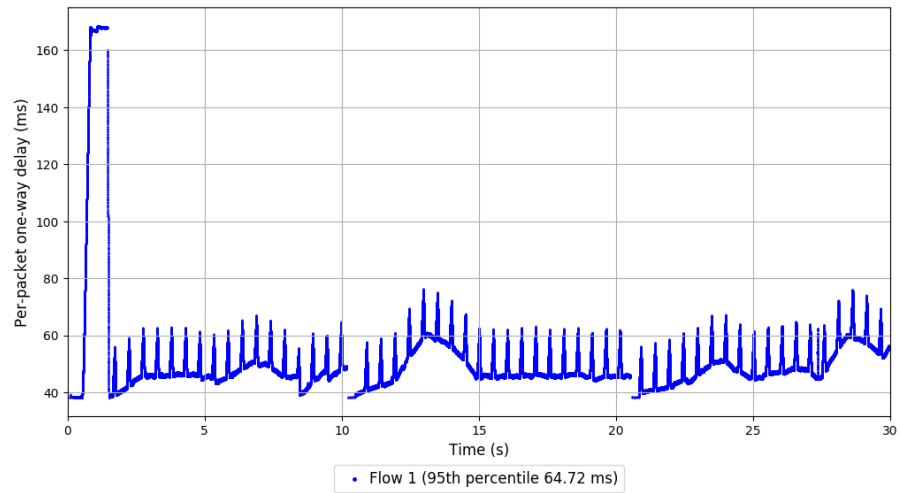
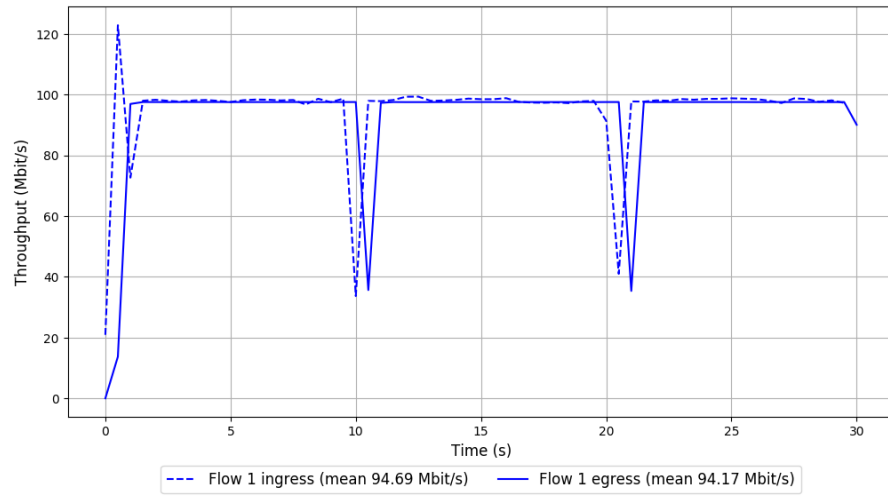
-- Flow 1:

Average throughput: 94.17 Mbit/s

95th percentile per-packet one-way delay: 64.717 ms

Loss rate: 0.76%

Run 2: Report of TCP BBR — Data Link

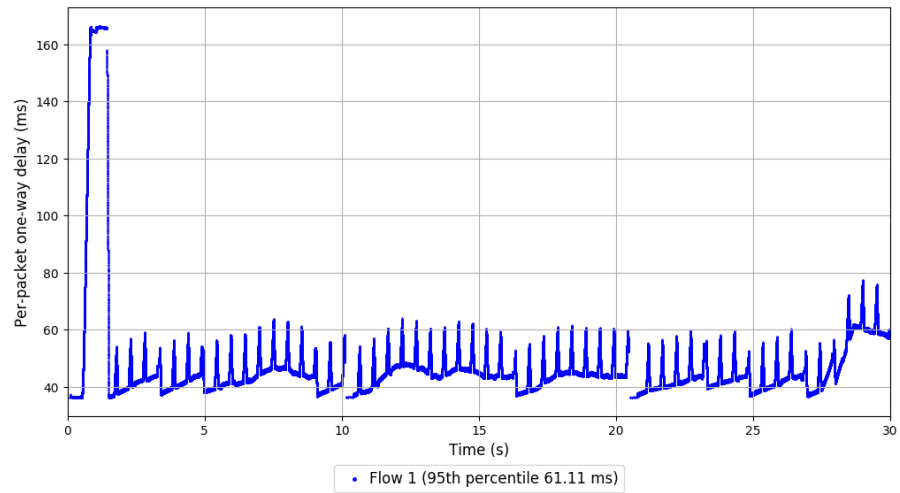
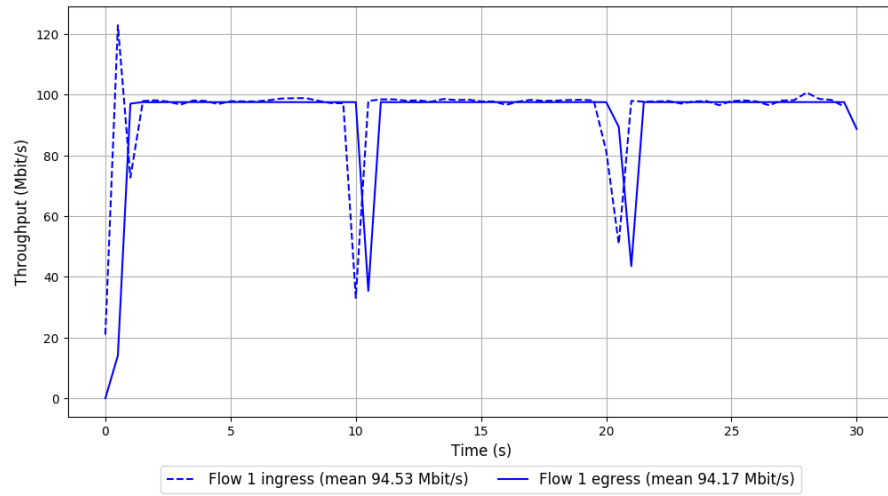


Run 3: Statistics of TCP BBR

Start at: 2019-02-05 13:55:35
End at: 2019-02-05 13:56:05
Local clock offset: 1.6 ms
Remote clock offset: -3.737 ms

Below is generated by plot.py at 2019-02-05 14:57:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.17 Mbit/s
95th percentile per-packet one-way delay: 61.106 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 94.17 Mbit/s
95th percentile per-packet one-way delay: 61.106 ms
Loss rate: 0.59%

Run 3: Report of TCP BBR — Data Link

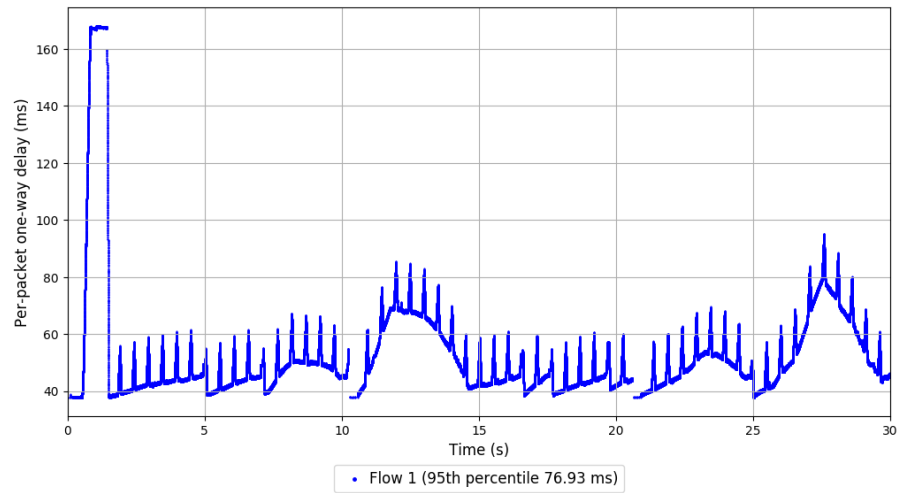
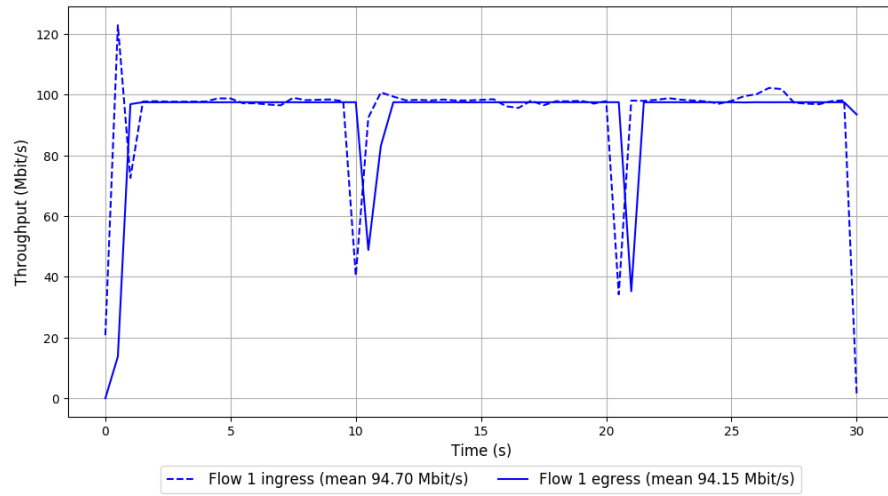


Run 4: Statistics of TCP BBR

Start at: 2019-02-05 14:20:20
End at: 2019-02-05 14:20:50
Local clock offset: 2.078 ms
Remote clock offset: -4.526 ms

Below is generated by plot.py at 2019-02-05 14:57:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.15 Mbit/s
95th percentile per-packet one-way delay: 76.932 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 94.15 Mbit/s
95th percentile per-packet one-way delay: 76.932 ms
Loss rate: 0.79%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-02-05 14:45:03

End at: 2019-02-05 14:45:33

Local clock offset: 2.376 ms

Remote clock offset: -4.325 ms

Below is generated by plot.py at 2019-02-05 14:57:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.17 Mbit/s

95th percentile per-packet one-way delay: 61.749 ms

Loss rate: 0.65%

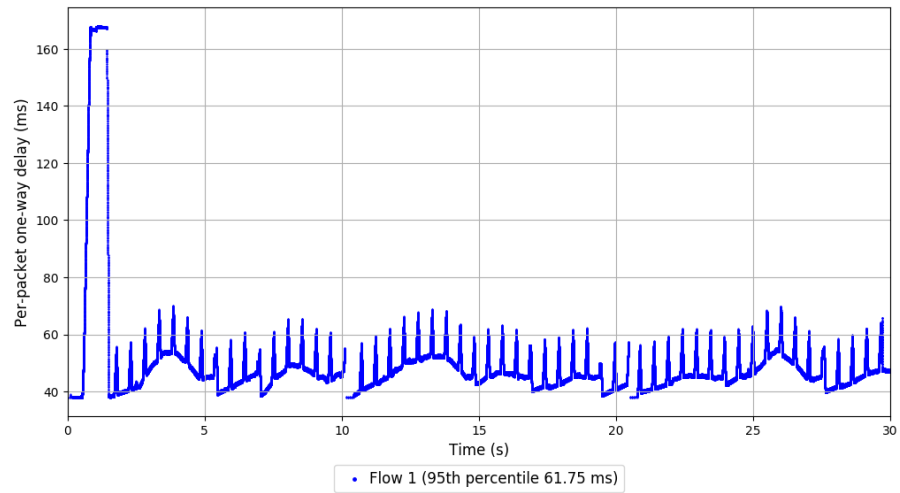
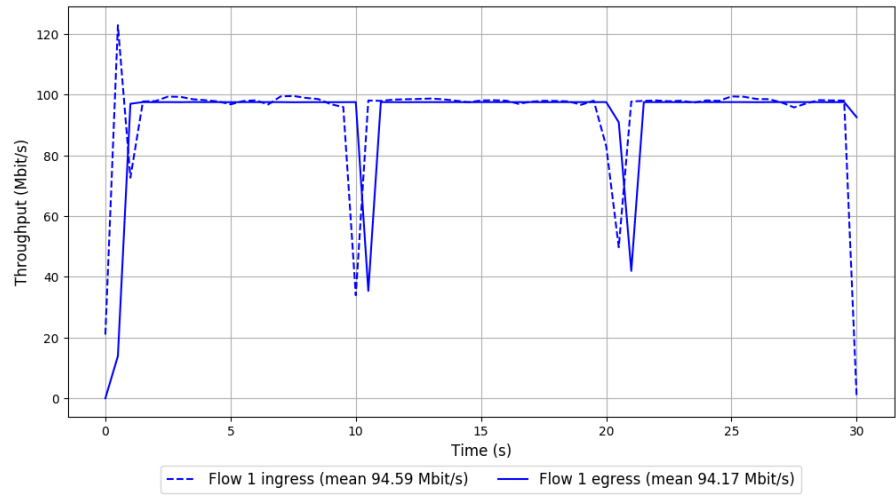
-- Flow 1:

Average throughput: 94.17 Mbit/s

95th percentile per-packet one-way delay: 61.749 ms

Loss rate: 0.65%

Run 5: Report of TCP BBR — Data Link

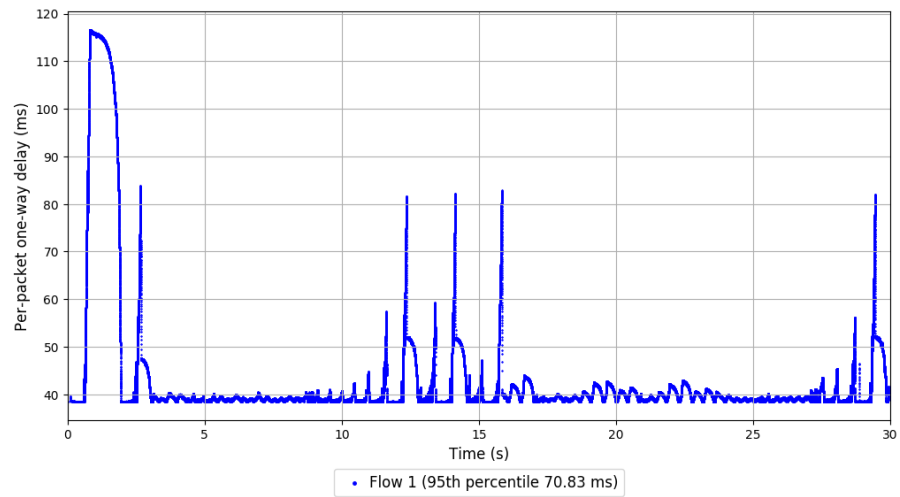
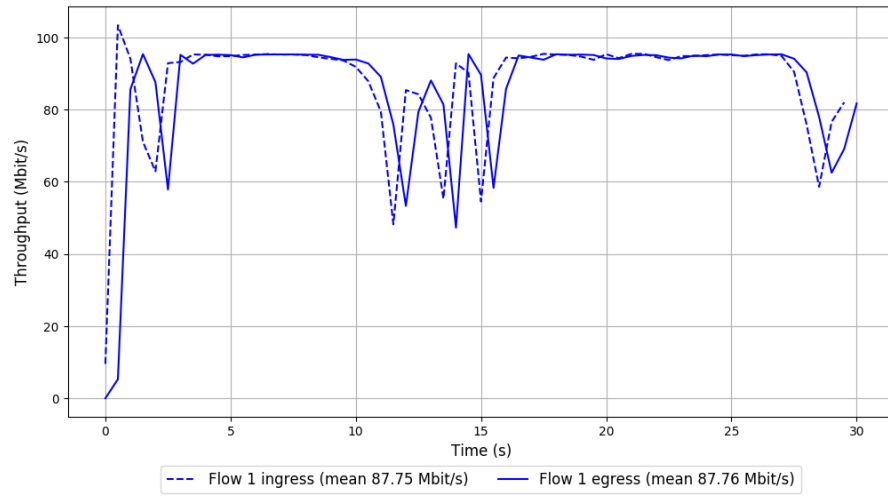


Run 1: Statistics of Copa

Start at: 2019-02-05 13:14:35
End at: 2019-02-05 13:15:05
Local clock offset: 1.358 ms
Remote clock offset: -8.064 ms

Below is generated by plot.py at 2019-02-05 14:58:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.76 Mbit/s
95th percentile per-packet one-way delay: 70.833 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 87.76 Mbit/s
95th percentile per-packet one-way delay: 70.833 ms
Loss rate: 0.20%

Run 1: Report of Copa — Data Link

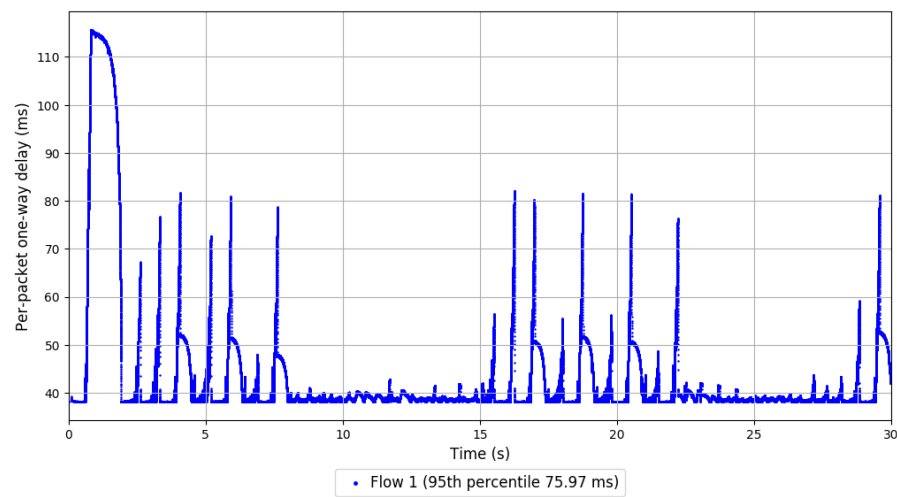
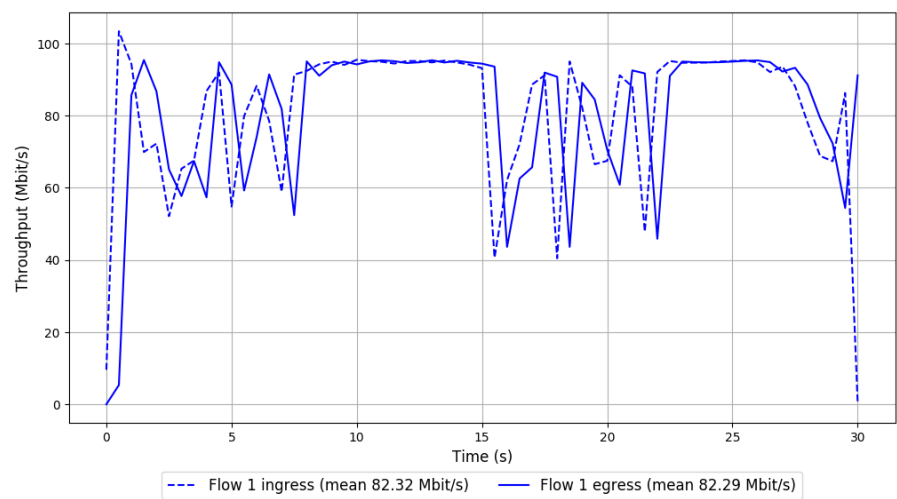


Run 2: Statistics of Copa

Start at: 2019-02-05 13:39:07
End at: 2019-02-05 13:39:37
Local clock offset: 1.102 ms
Remote clock offset: -6.302 ms

Below is generated by plot.py at 2019-02-05 14:58:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.29 Mbit/s
95th percentile per-packet one-way delay: 75.966 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 82.29 Mbit/s
95th percentile per-packet one-way delay: 75.966 ms
Loss rate: 0.25%

Run 2: Report of Copa — Data Link

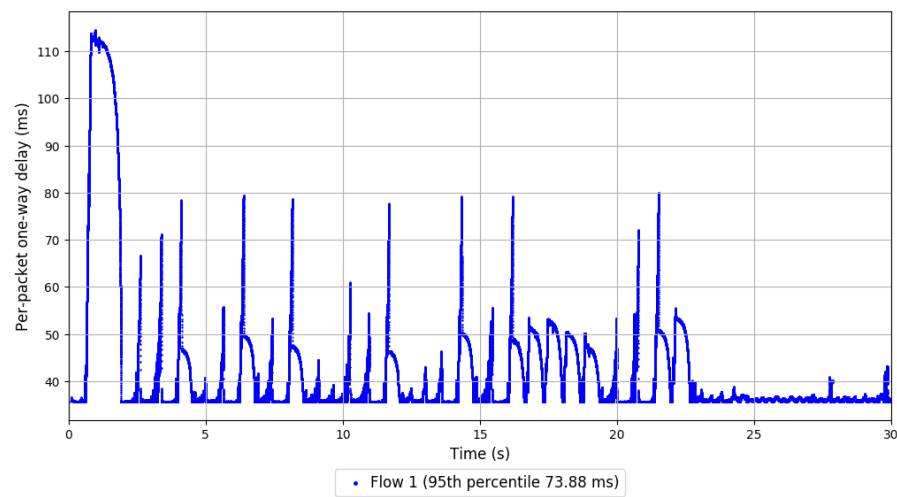
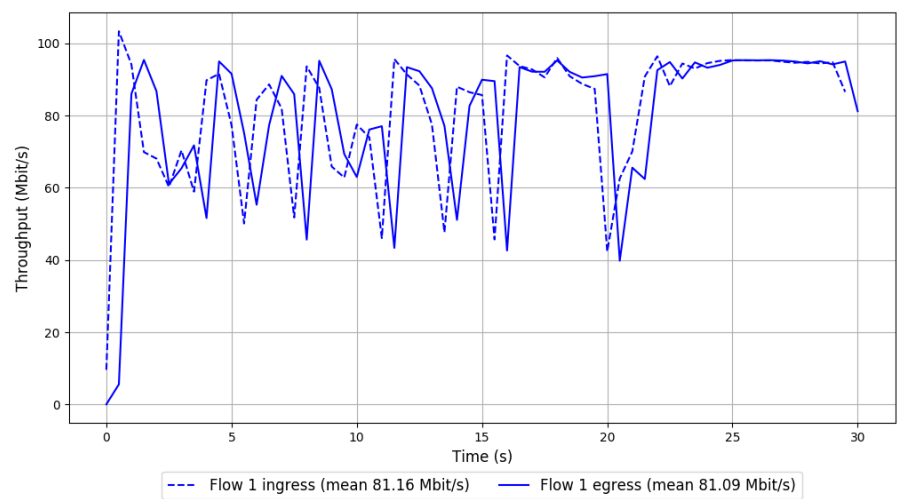


Run 3: Statistics of Copa

Start at: 2019-02-05 14:03:44
End at: 2019-02-05 14:04:14
Local clock offset: 1.818 ms
Remote clock offset: -2.774 ms

Below is generated by plot.py at 2019-02-05 14:58:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.09 Mbit/s
95th percentile per-packet one-way delay: 73.878 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 81.09 Mbit/s
95th percentile per-packet one-way delay: 73.878 ms
Loss rate: 0.30%

Run 3: Report of Copa — Data Link

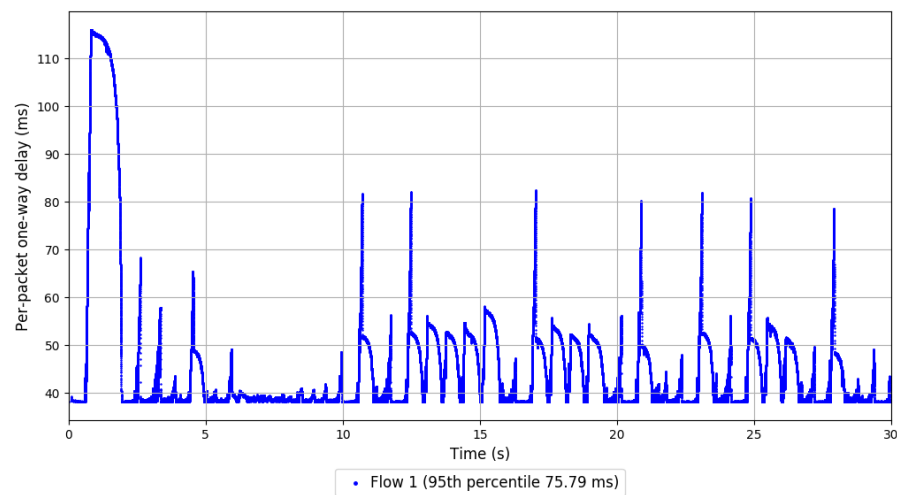
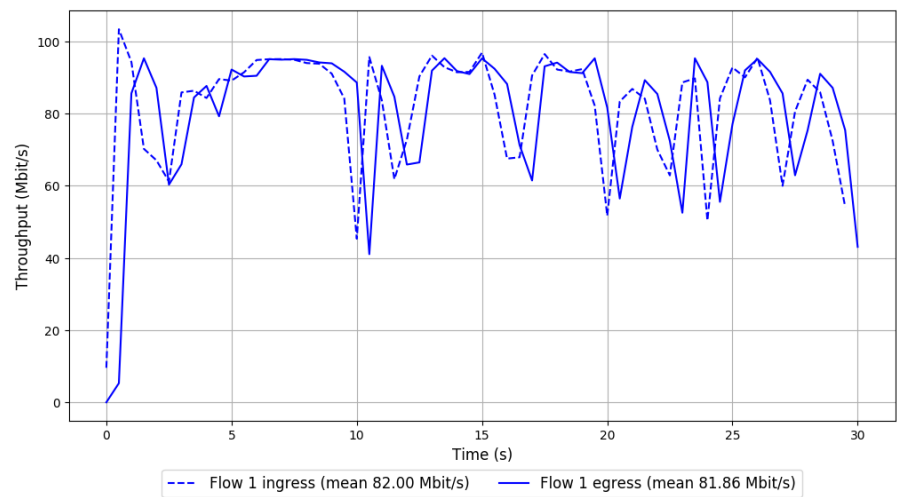


Run 4: Statistics of Copa

Start at: 2019-02-05 14:28:26
End at: 2019-02-05 14:28:56
Local clock offset: 2.218 ms
Remote clock offset: -4.869 ms

Below is generated by plot.py at 2019-02-05 14:59:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.86 Mbit/s
95th percentile per-packet one-way delay: 75.793 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 81.86 Mbit/s
95th percentile per-packet one-way delay: 75.793 ms
Loss rate: 0.38%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2019-02-05 14:53:07

End at: 2019-02-05 14:53:37

Local clock offset: 1.995 ms

Remote clock offset: -2.7 ms

Below is generated by plot.py at 2019-02-05 14:59:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.38 Mbit/s

95th percentile per-packet one-way delay: 75.903 ms

Loss rate: 0.32%

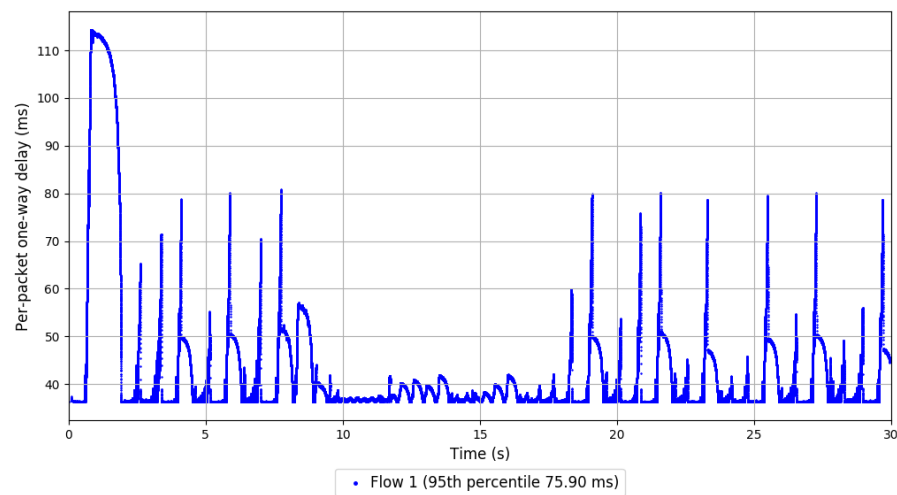
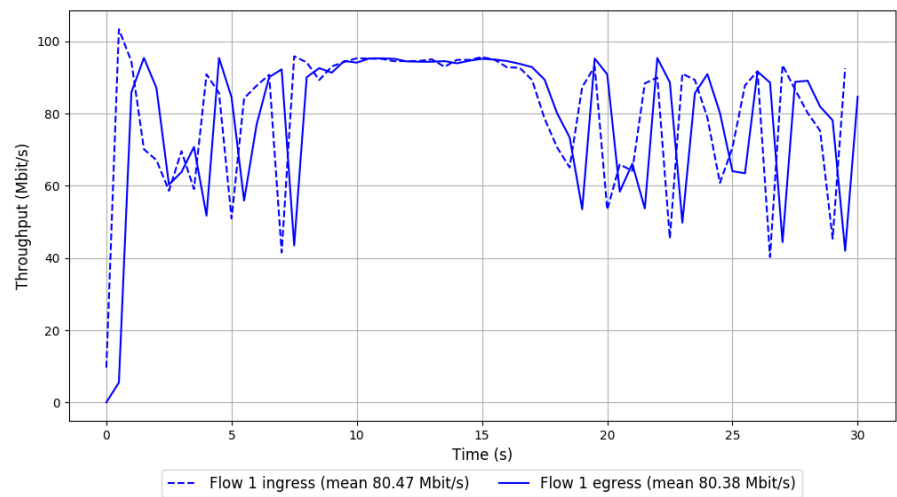
-- Flow 1:

Average throughput: 80.38 Mbit/s

95th percentile per-packet one-way delay: 75.903 ms

Loss rate: 0.32%

Run 5: Report of Copa — Data Link

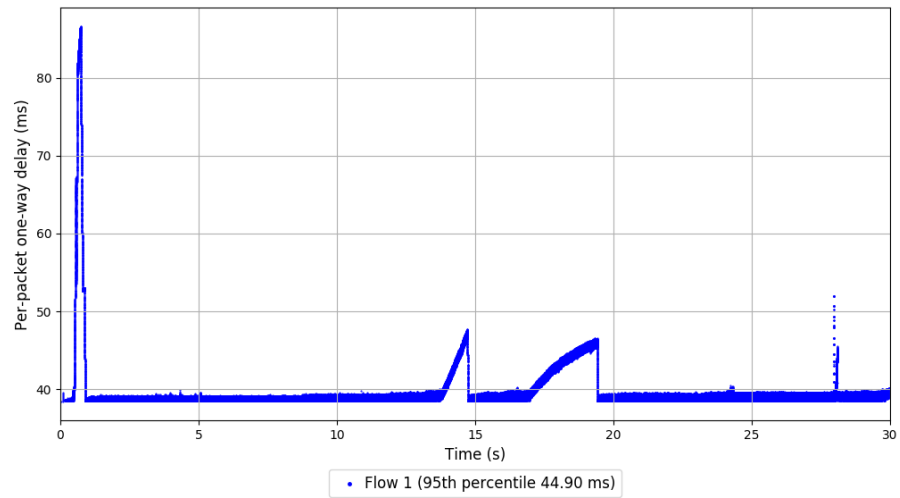
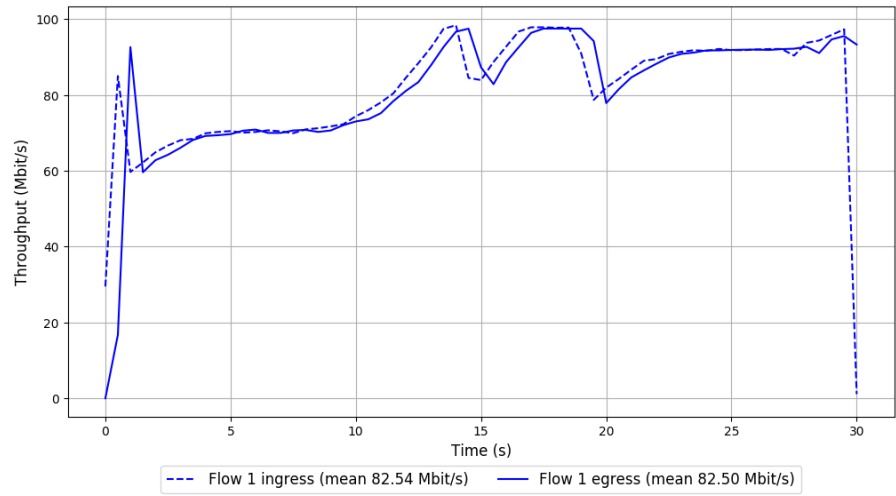


Run 1: Statistics of TCP Cubic

Start at: 2019-02-05 12:53:41
End at: 2019-02-05 12:54:11
Local clock offset: 1.639 ms
Remote clock offset: -8.901 ms

Below is generated by plot.py at 2019-02-05 14:59:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.50 Mbit/s
95th percentile per-packet one-way delay: 44.896 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 82.50 Mbit/s
95th percentile per-packet one-way delay: 44.896 ms
Loss rate: 0.26%

Run 1: Report of TCP Cubic — Data Link

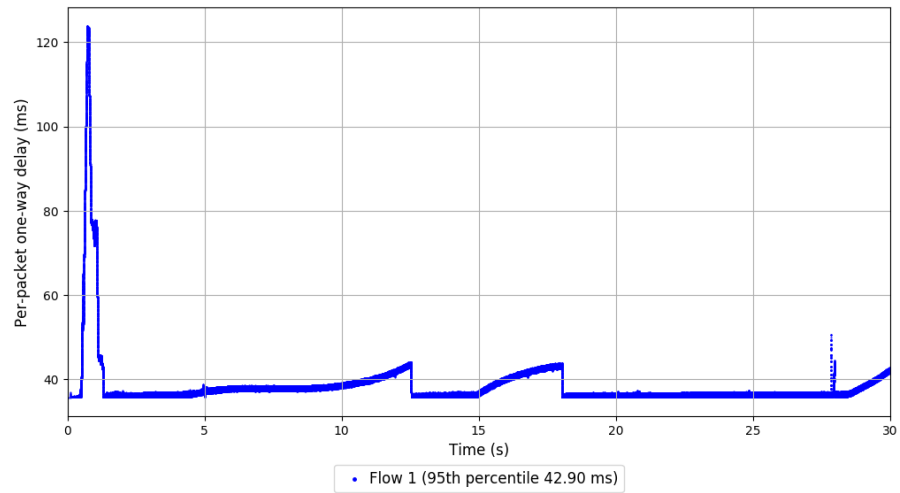
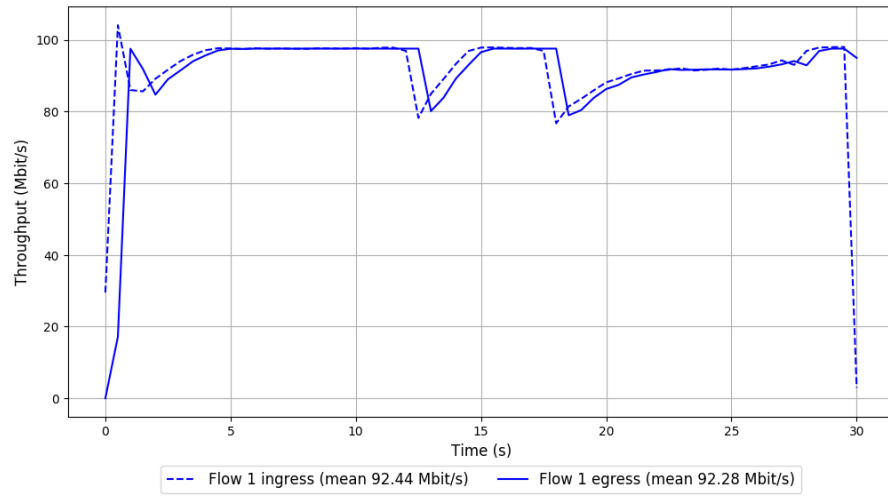


Run 2: Statistics of TCP Cubic

Start at: 2019-02-05 13:18:11
End at: 2019-02-05 13:18:41
Local clock offset: 1.331 ms
Remote clock offset: -5.016 ms

Below is generated by plot.py at 2019-02-05 14:59:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.28 Mbit/s
95th percentile per-packet one-way delay: 42.904 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 92.28 Mbit/s
95th percentile per-packet one-way delay: 42.904 ms
Loss rate: 0.38%

Run 2: Report of TCP Cubic — Data Link

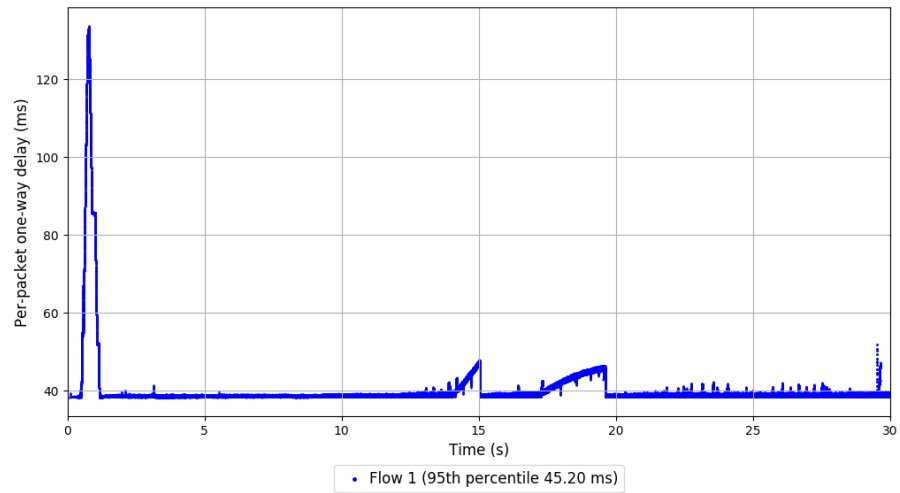
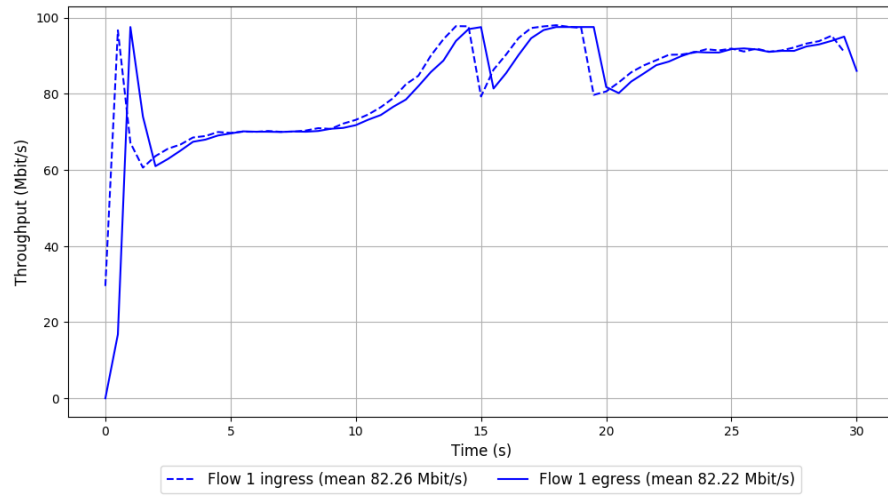


Run 3: Statistics of TCP Cubic

Start at: 2019-02-05 13:42:43
End at: 2019-02-05 13:43:13
Local clock offset: 1.076 ms
Remote clock offset: -6.164 ms

Below is generated by plot.py at 2019-02-05 14:59:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.22 Mbit/s
95th percentile per-packet one-way delay: 45.204 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 82.22 Mbit/s
95th percentile per-packet one-way delay: 45.204 ms
Loss rate: 0.26%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2019-02-05 14:07:20

End at: 2019-02-05 14:07:50

Local clock offset: 1.877 ms

Remote clock offset: -3.65 ms

Below is generated by plot.py at 2019-02-05 14:59:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.26 Mbit/s

95th percentile per-packet one-way delay: 43.352 ms

Loss rate: 0.27%

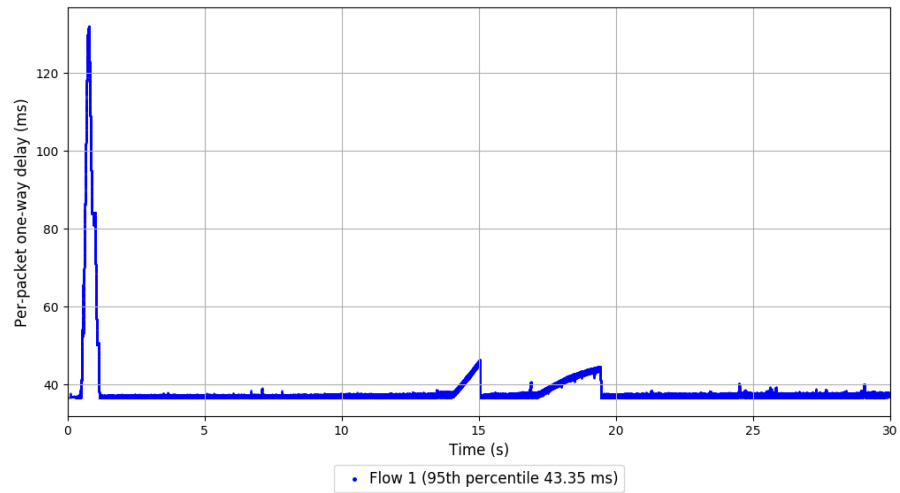
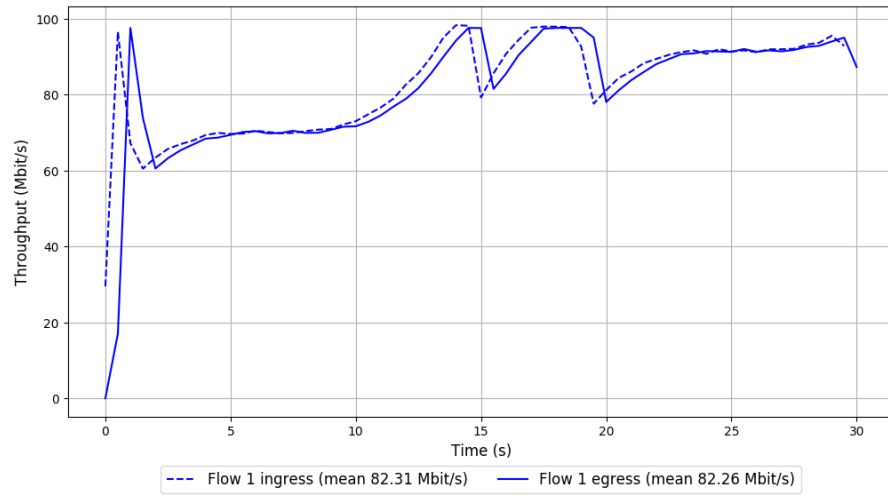
-- Flow 1:

Average throughput: 82.26 Mbit/s

95th percentile per-packet one-way delay: 43.352 ms

Loss rate: 0.27%

Run 4: Report of TCP Cubic — Data Link

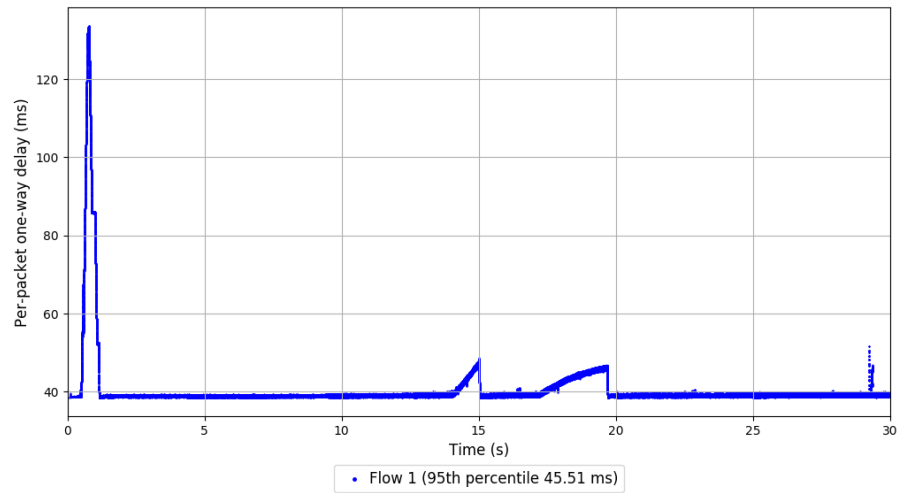
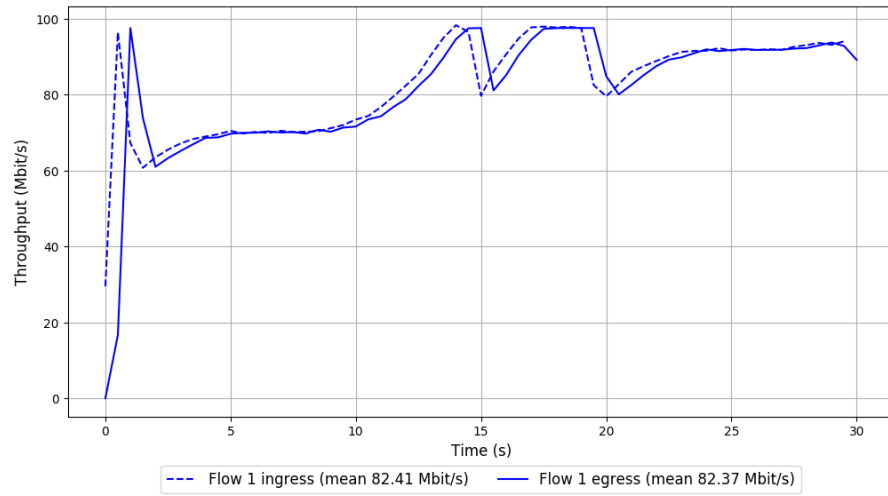


Run 5: Statistics of TCP Cubic

Start at: 2019-02-05 14:32:03
End at: 2019-02-05 14:32:33
Local clock offset: 2.261 ms
Remote clock offset: -5.071 ms

Below is generated by plot.py at 2019-02-05 14:59:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.37 Mbit/s
95th percentile per-packet one-way delay: 45.510 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 82.37 Mbit/s
95th percentile per-packet one-way delay: 45.510 ms
Loss rate: 0.26%

Run 5: Report of TCP Cubic — Data Link

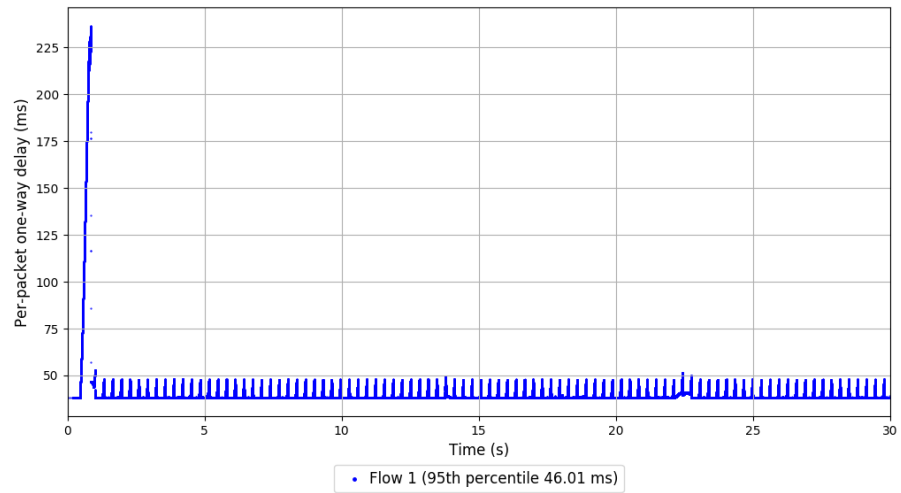
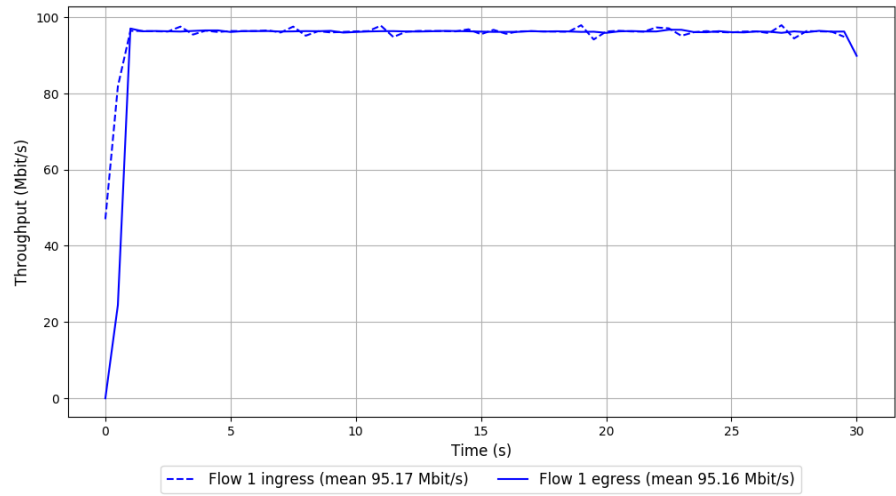


Run 1: Statistics of FillP

Start at: 2019-02-05 13:01:56
End at: 2019-02-05 13:02:26
Local clock offset: 1.479 ms
Remote clock offset: -8.307 ms

Below is generated by plot.py at 2019-02-05 15:00:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.16 Mbit/s
95th percentile per-packet one-way delay: 46.013 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 95.16 Mbit/s
95th percentile per-packet one-way delay: 46.013 ms
Loss rate: 0.22%

Run 1: Report of FillP — Data Link

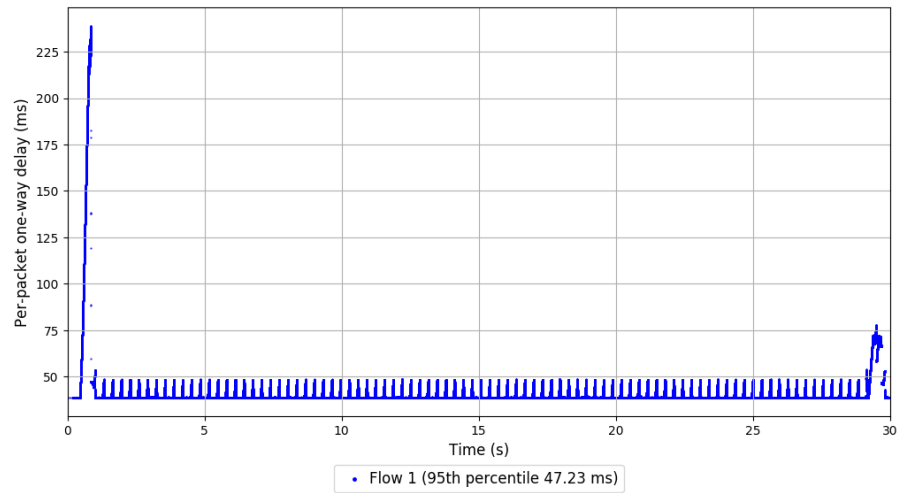
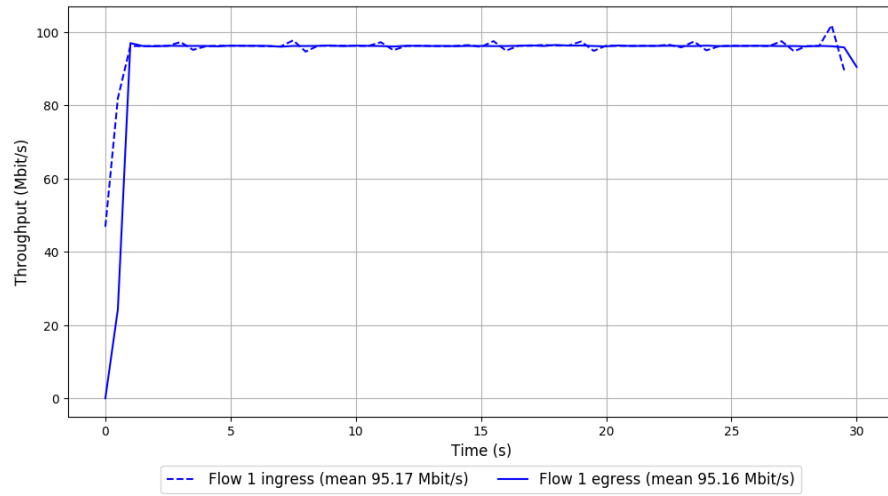


Run 2: Statistics of FillP

Start at: 2019-02-05 13:26:27
End at: 2019-02-05 13:26:57
Local clock offset: 1.232 ms
Remote clock offset: -7.406 ms

Below is generated by plot.py at 2019-02-05 15:00:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.16 Mbit/s
95th percentile per-packet one-way delay: 47.227 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 95.16 Mbit/s
95th percentile per-packet one-way delay: 47.227 ms
Loss rate: 0.22%

Run 2: Report of FillP — Data Link

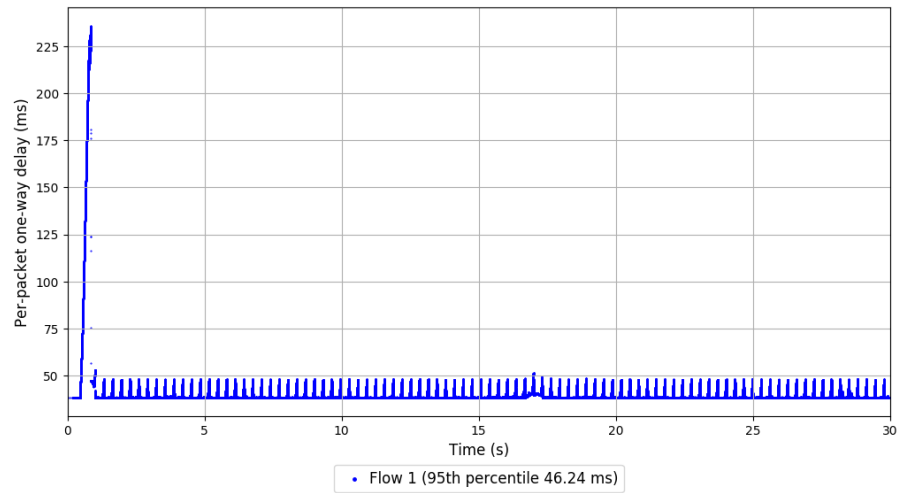
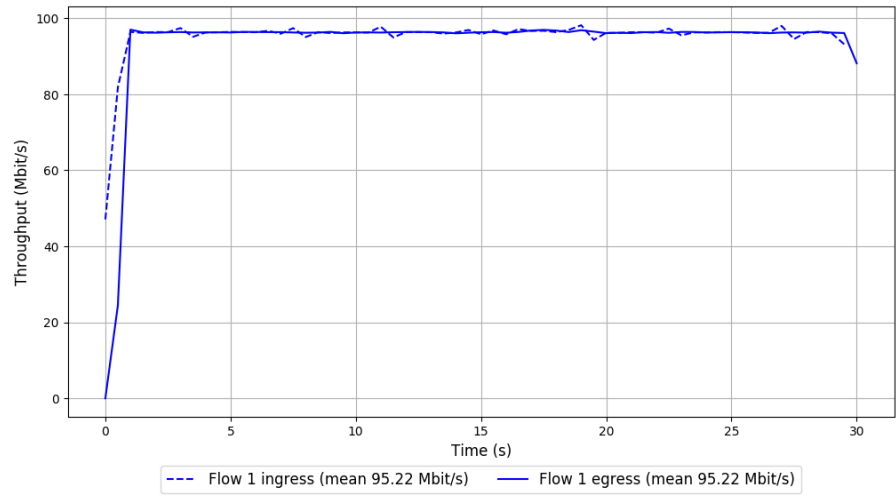


Run 3: Statistics of FillP

Start at: 2019-02-05 13:50:59
End at: 2019-02-05 13:51:29
Local clock offset: 1.388 ms
Remote clock offset: -5.897 ms

Below is generated by plot.py at 2019-02-05 15:00:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.22 Mbit/s
95th percentile per-packet one-way delay: 46.243 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 95.22 Mbit/s
95th percentile per-packet one-way delay: 46.243 ms
Loss rate: 0.22%

Run 3: Report of FillP — Data Link

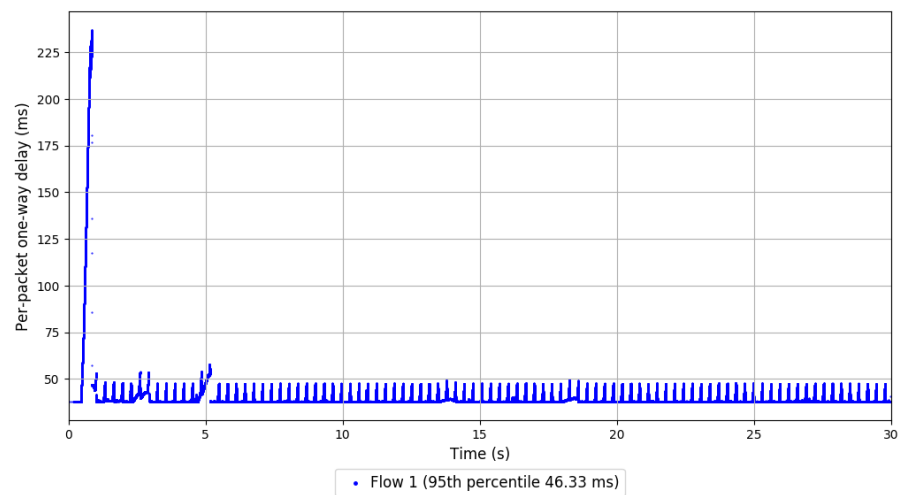
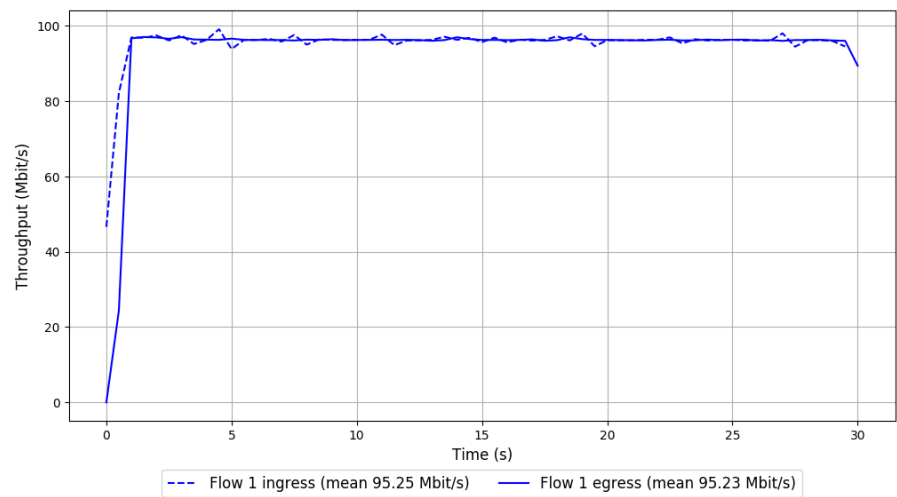


Run 4: Statistics of FillP

Start at: 2019-02-05 14:15:44
End at: 2019-02-05 14:16:14
Local clock offset: 1.978 ms
Remote clock offset: -4.779 ms

Below is generated by plot.py at 2019-02-05 15:00:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.23 Mbit/s
95th percentile per-packet one-way delay: 46.330 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 95.23 Mbit/s
95th percentile per-packet one-way delay: 46.330 ms
Loss rate: 0.22%

Run 4: Report of FillP — Data Link

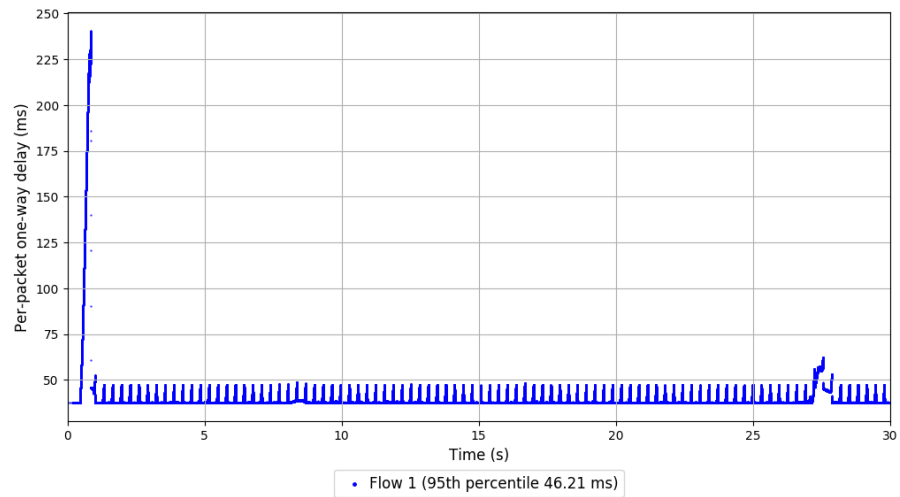
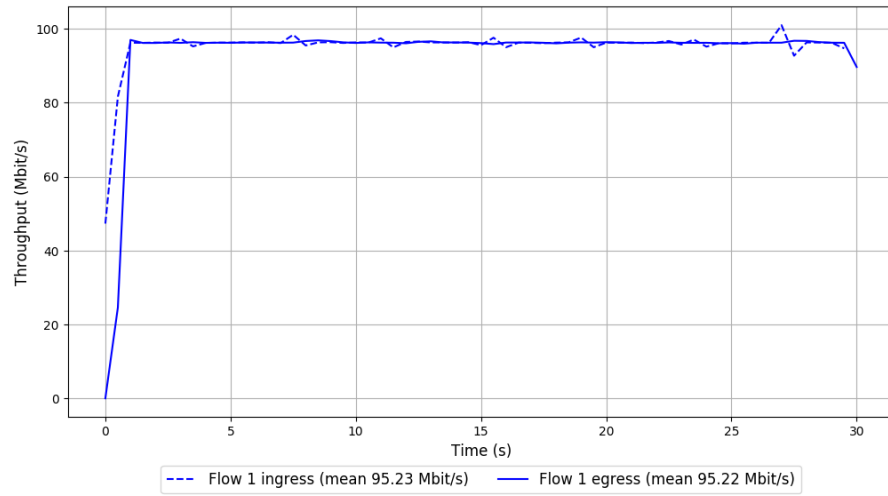


Run 5: Statistics of FillP

Start at: 2019-02-05 14:40:19
End at: 2019-02-05 14:40:49
Local clock offset: 2.332 ms
Remote clock offset: -4.184 ms

Below is generated by plot.py at 2019-02-05 15:00:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.22 Mbit/s
95th percentile per-packet one-way delay: 46.207 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 95.22 Mbit/s
95th percentile per-packet one-way delay: 46.207 ms
Loss rate: 0.22%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-02-05 13:09:59

End at: 2019-02-05 13:10:29

Local clock offset: 1.384 ms

Remote clock offset: -7.967 ms

Below is generated by plot.py at 2019-02-05 15:00:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.91 Mbit/s

95th percentile per-packet one-way delay: 44.232 ms

Loss rate: 0.22%

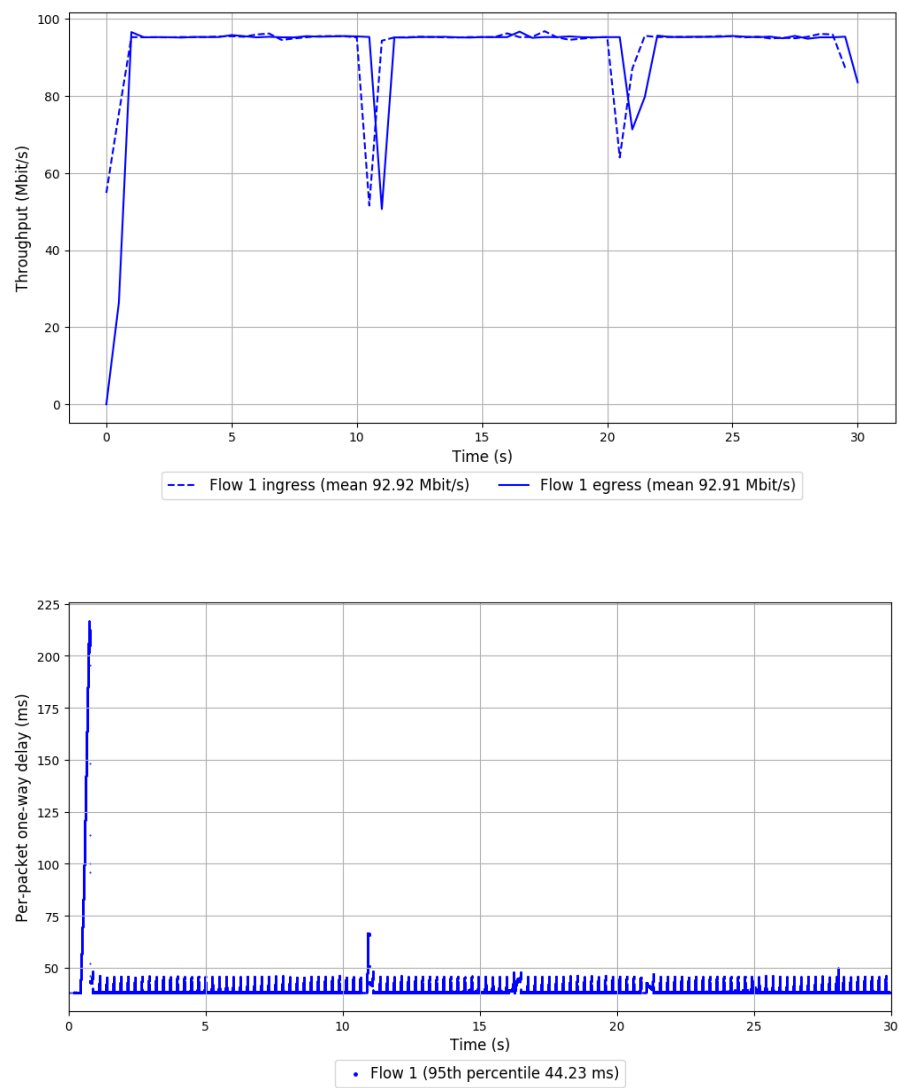
-- Flow 1:

Average throughput: 92.91 Mbit/s

95th percentile per-packet one-way delay: 44.232 ms

Loss rate: 0.22%

Run 1: Report of FillP-Sheep — Data Link

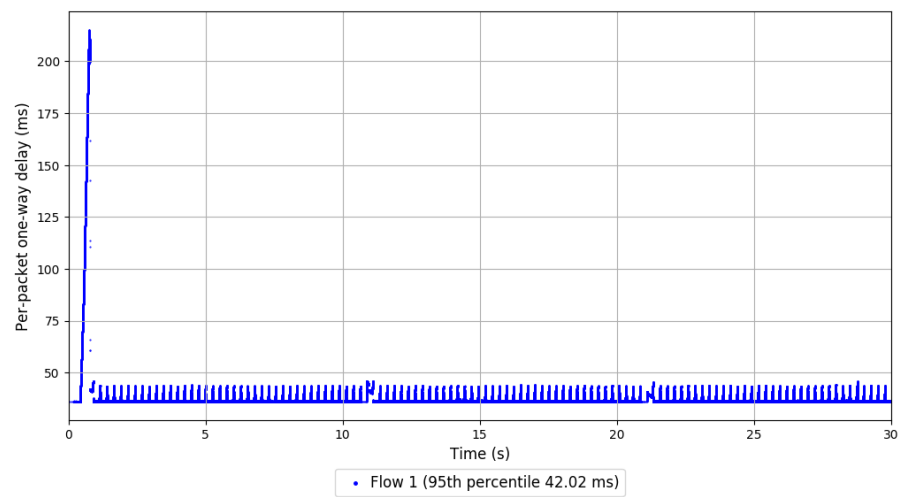
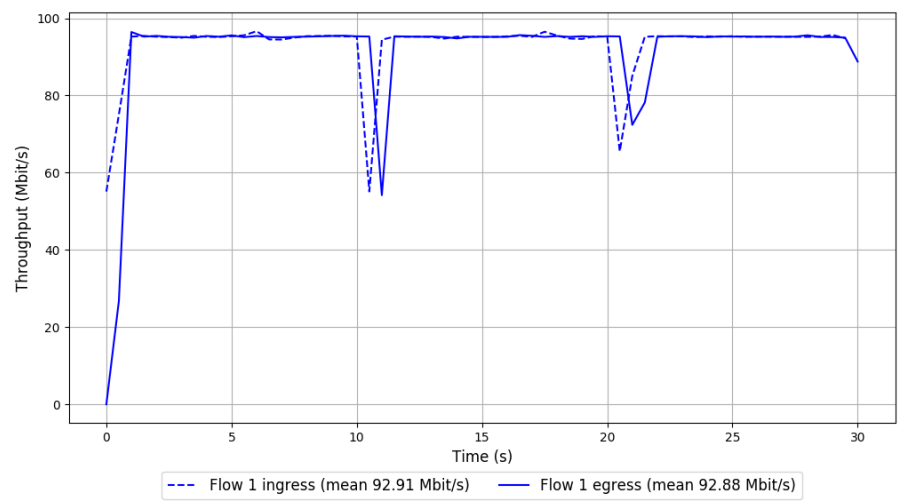


Run 2: Statistics of FillP-Sheep

Start at: 2019-02-05 13:34:31
End at: 2019-02-05 13:35:01
Local clock offset: 1.157 ms
Remote clock offset: -4.532 ms

Below is generated by plot.py at 2019-02-05 15:00:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.88 Mbit/s
95th percentile per-packet one-way delay: 42.022 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 92.88 Mbit/s
95th percentile per-packet one-way delay: 42.022 ms
Loss rate: 0.24%

Run 2: Report of FillP-Sheep — Data Link

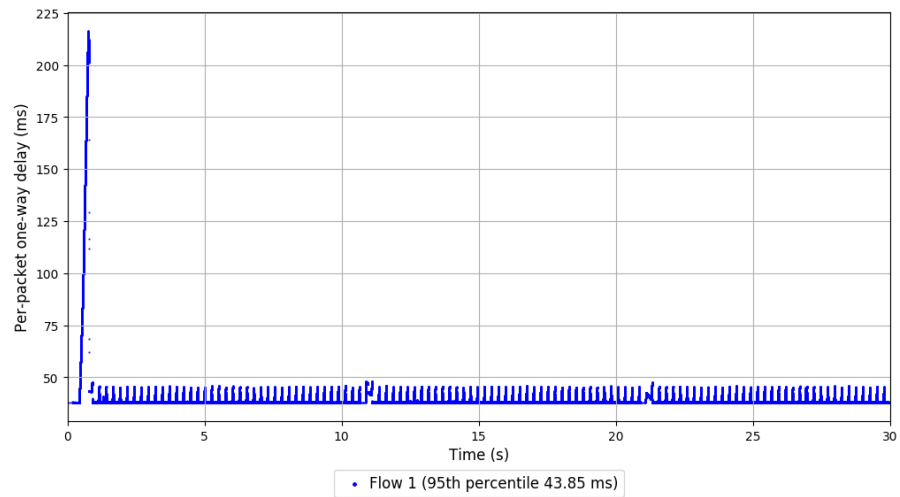
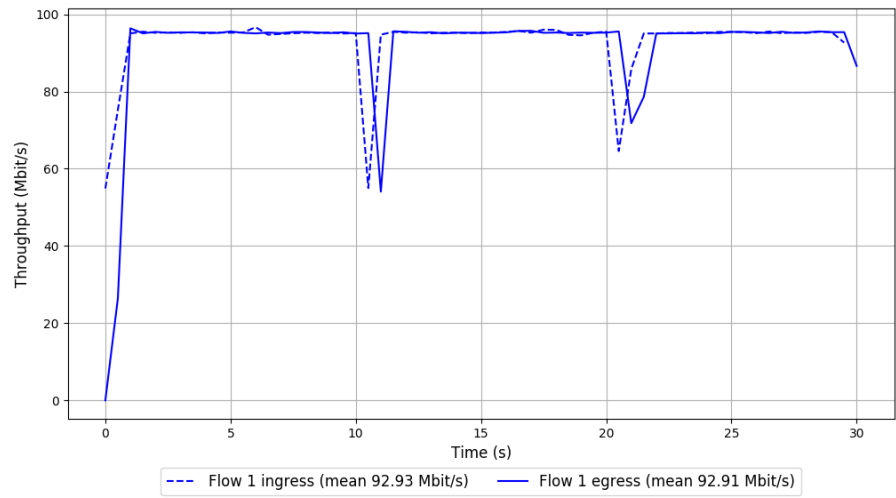


Run 3: Statistics of FillP-Sheep

Start at: 2019-02-05 13:59:03
End at: 2019-02-05 13:59:33
Local clock offset: 1.697 ms
Remote clock offset: -5.243 ms

Below is generated by plot.py at 2019-02-05 15:00:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.91 Mbit/s
95th percentile per-packet one-way delay: 43.849 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 92.91 Mbit/s
95th percentile per-packet one-way delay: 43.849 ms
Loss rate: 0.24%

Run 3: Report of FillP-Sheep — Data Link

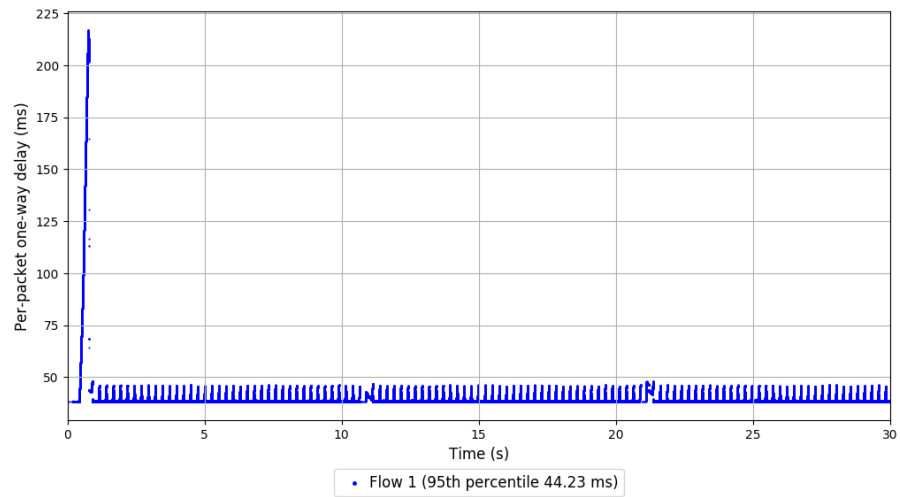
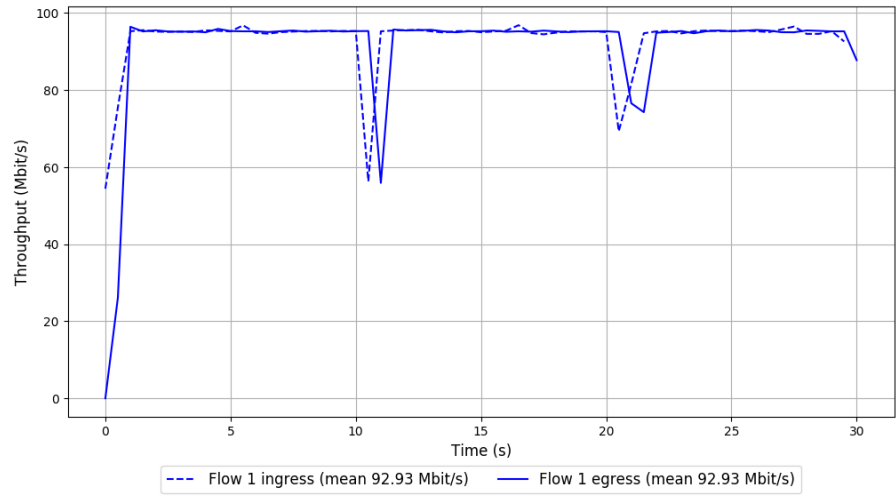


Run 4: Statistics of FillP-Sheep

Start at: 2019-02-05 14:23:49
End at: 2019-02-05 14:24:19
Local clock offset: 2.141 ms
Remote clock offset: -5.043 ms

Below is generated by plot.py at 2019-02-05 15:01:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.93 Mbit/s
95th percentile per-packet one-way delay: 44.227 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 92.93 Mbit/s
95th percentile per-packet one-way delay: 44.227 ms
Loss rate: 0.22%

Run 4: Report of FillP-Sheep — Data Link

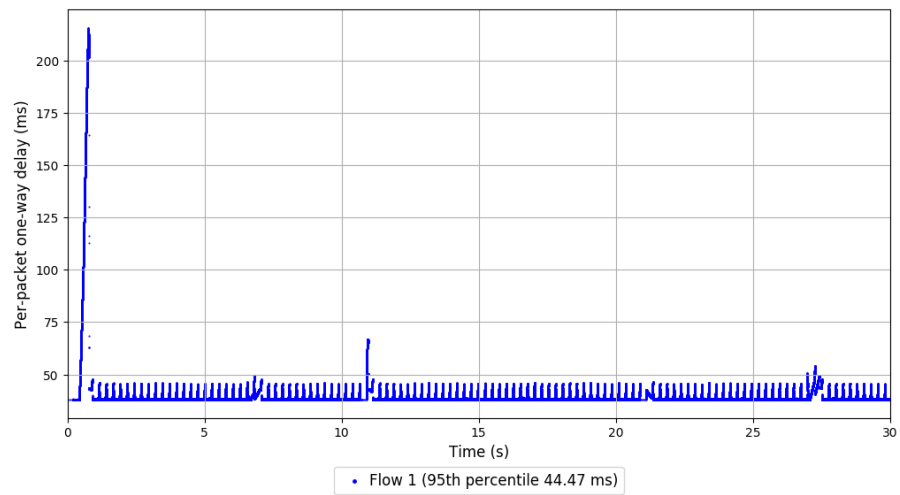
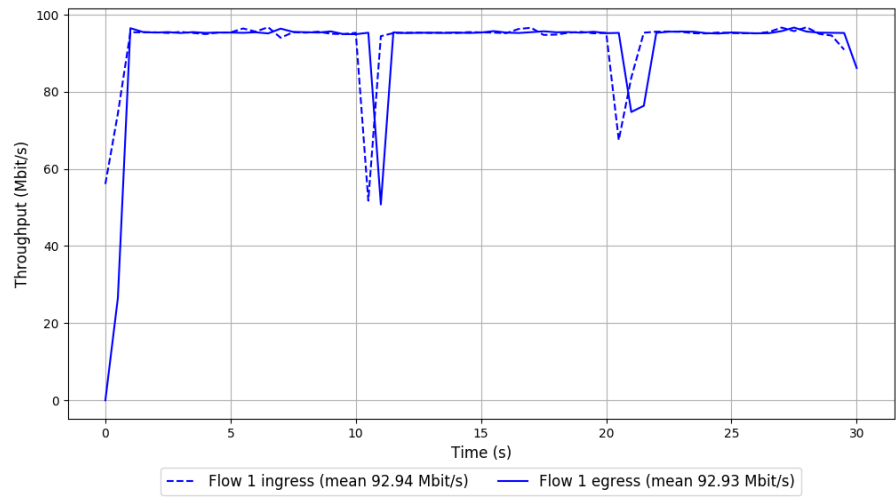


Run 5: Statistics of FillP-Sheep

Start at: 2019-02-05 14:48:31
End at: 2019-02-05 14:49:01
Local clock offset: 2.205 ms
Remote clock offset: -4.386 ms

Below is generated by plot.py at 2019-02-05 15:01:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.93 Mbit/s
95th percentile per-packet one-way delay: 44.467 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 92.93 Mbit/s
95th percentile per-packet one-way delay: 44.467 ms
Loss rate: 0.22%

Run 5: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2019-02-05 13:00:44

End at: 2019-02-05 13:01:14

Local clock offset: 1.485 ms

Remote clock offset: -8.302 ms

Below is generated by plot.py at 2019-02-05 15:01:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.85 Mbit/s

95th percentile per-packet one-way delay: 42.479 ms

Loss rate: 0.23%

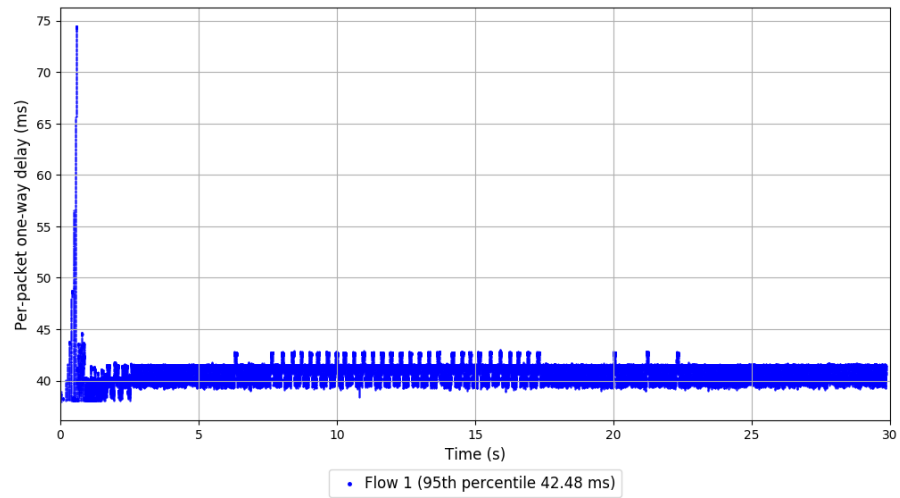
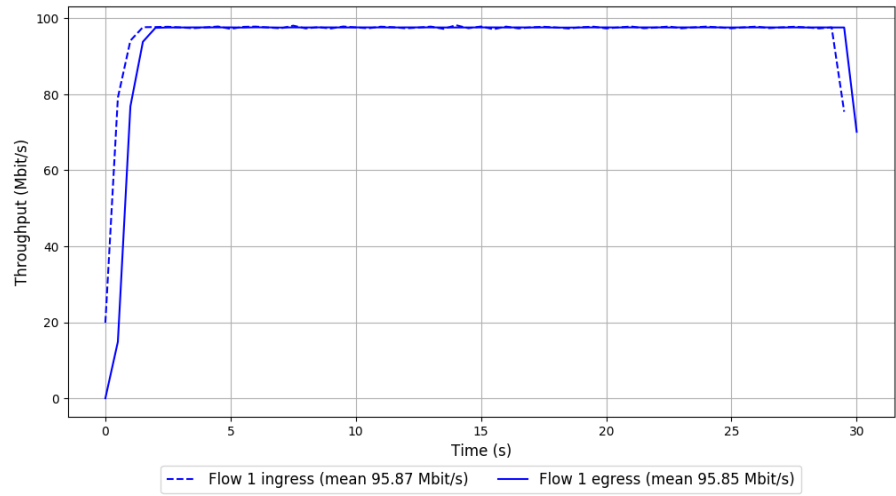
-- Flow 1:

Average throughput: 95.85 Mbit/s

95th percentile per-packet one-way delay: 42.479 ms

Loss rate: 0.23%

Run 1: Report of Indigo — Data Link

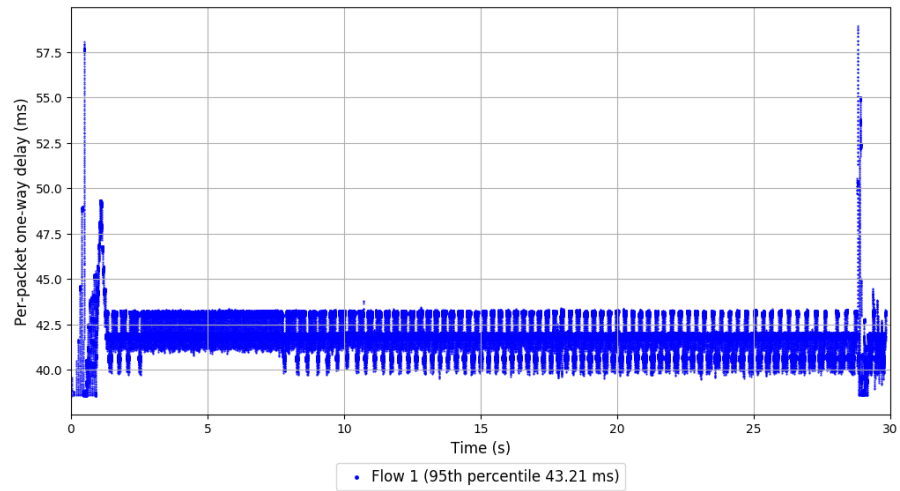
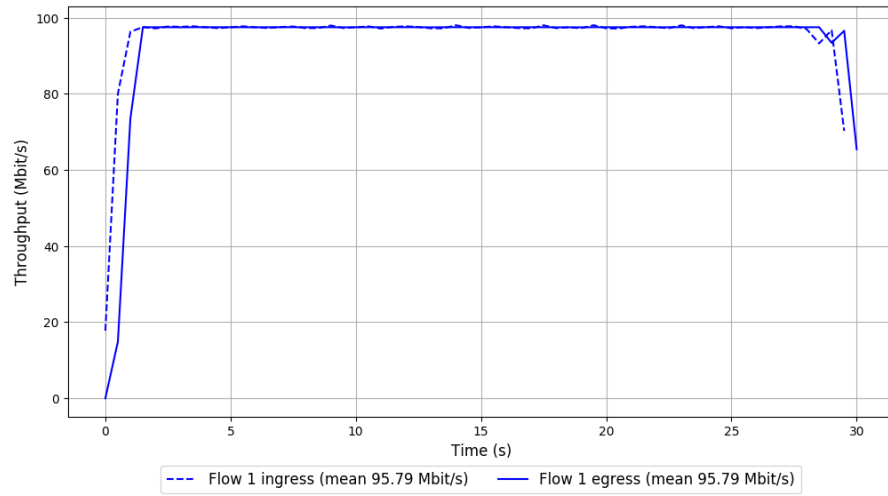


Run 2: Statistics of Indigo

Start at: 2019-02-05 13:25:15
End at: 2019-02-05 13:25:45
Local clock offset: 1.239 ms
Remote clock offset: -7.394 ms

Below is generated by plot.py at 2019-02-05 15:01:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.79 Mbit/s
95th percentile per-packet one-way delay: 43.211 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 95.79 Mbit/s
95th percentile per-packet one-way delay: 43.211 ms
Loss rate: 0.22%

Run 2: Report of Indigo — Data Link

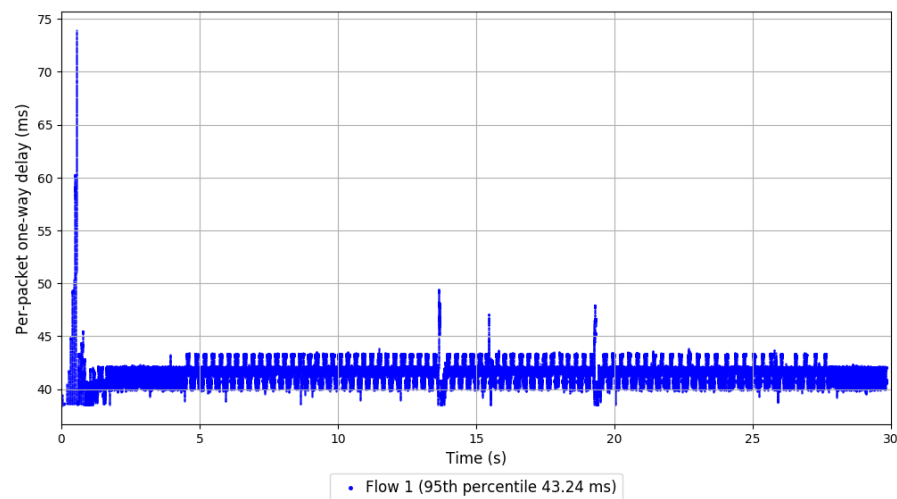
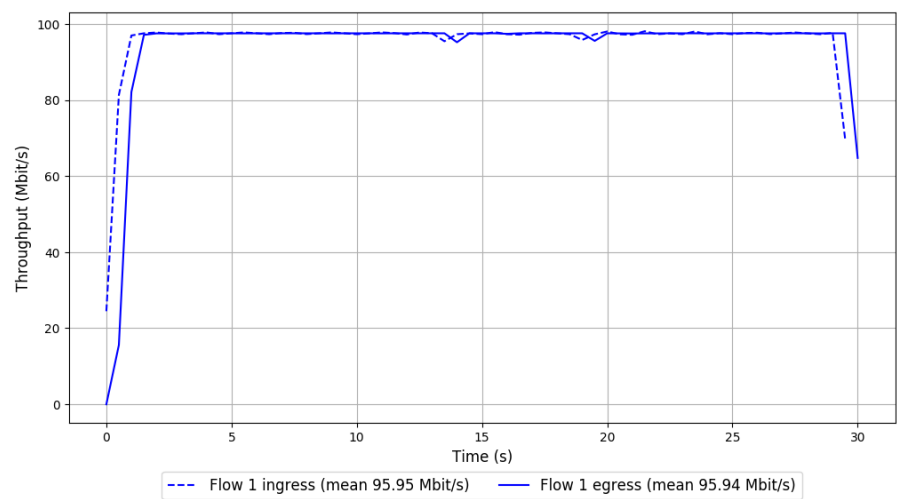


Run 3: Statistics of Indigo

Start at: 2019-02-05 13:49:47
End at: 2019-02-05 13:50:17
Local clock offset: 1.331 ms
Remote clock offset: -6.182 ms

Below is generated by plot.py at 2019-02-05 15:01:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.94 Mbit/s
95th percentile per-packet one-way delay: 43.241 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 95.94 Mbit/s
95th percentile per-packet one-way delay: 43.241 ms
Loss rate: 0.22%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-02-05 14:14:32

End at: 2019-02-05 14:15:02

Local clock offset: 1.958 ms

Remote clock offset: -3.244 ms

Below is generated by plot.py at 2019-02-05 15:01:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.56 Mbit/s

95th percentile per-packet one-way delay: 41.090 ms

Loss rate: 0.23%

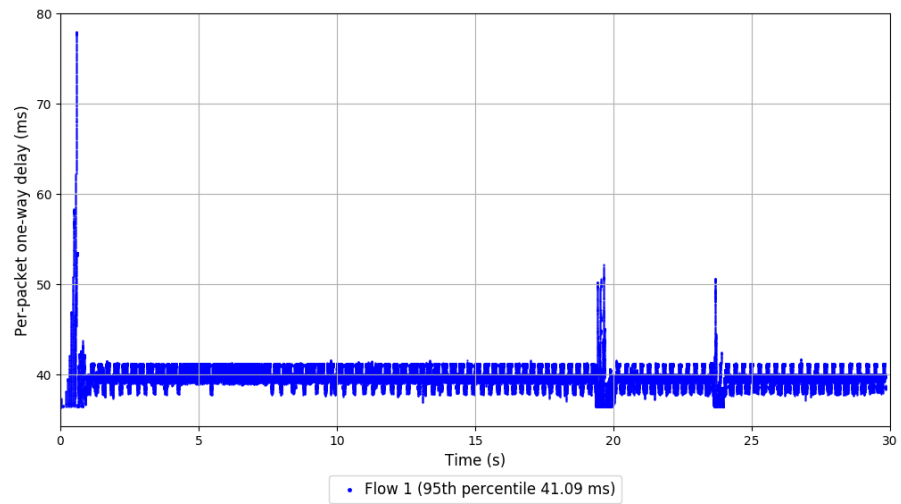
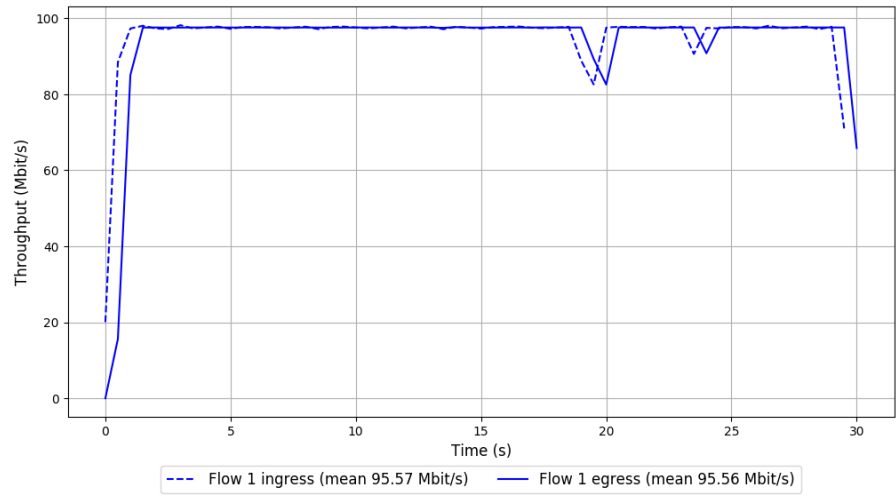
-- Flow 1:

Average throughput: 95.56 Mbit/s

95th percentile per-packet one-way delay: 41.090 ms

Loss rate: 0.23%

Run 4: Report of Indigo — Data Link

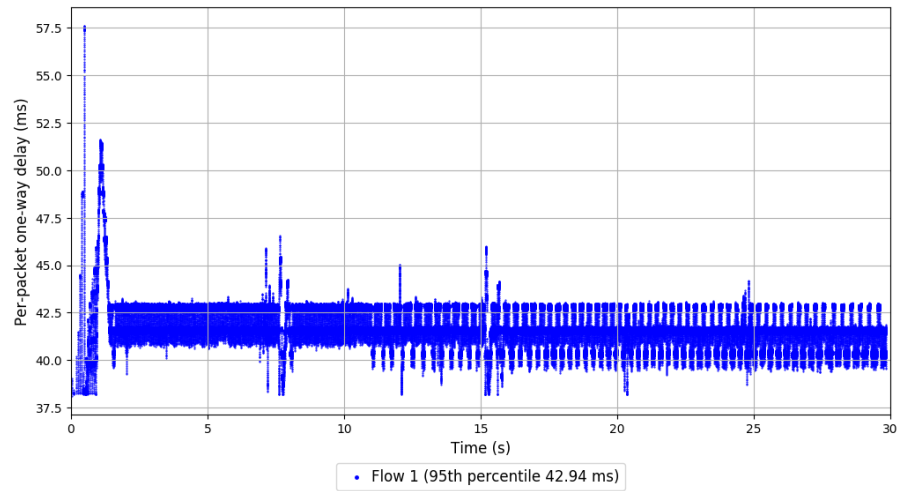
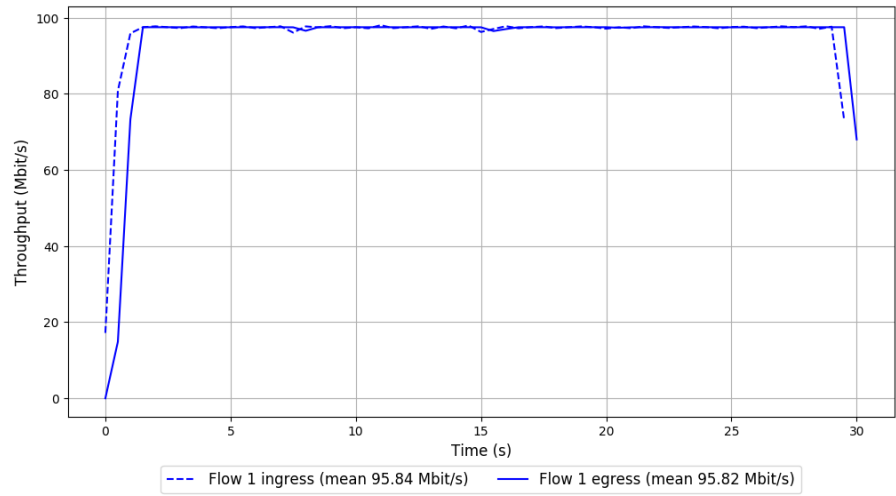


Run 5: Statistics of Indigo

Start at: 2019-02-05 14:39:07
End at: 2019-02-05 14:39:37
Local clock offset: 2.331 ms
Remote clock offset: -4.612 ms

Below is generated by plot.py at 2019-02-05 15:02:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.82 Mbit/s
95th percentile per-packet one-way delay: 42.936 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 95.82 Mbit/s
95th percentile per-packet one-way delay: 42.936 ms
Loss rate: 0.23%

Run 5: Report of Indigo — Data Link

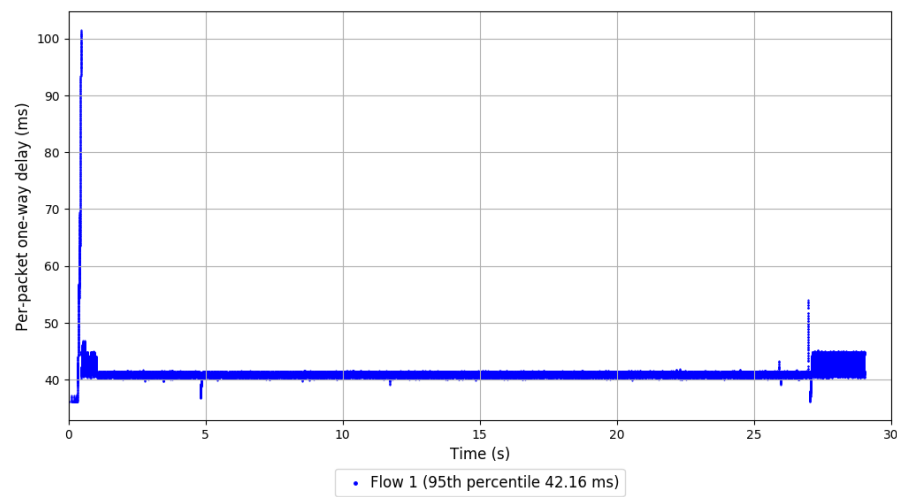
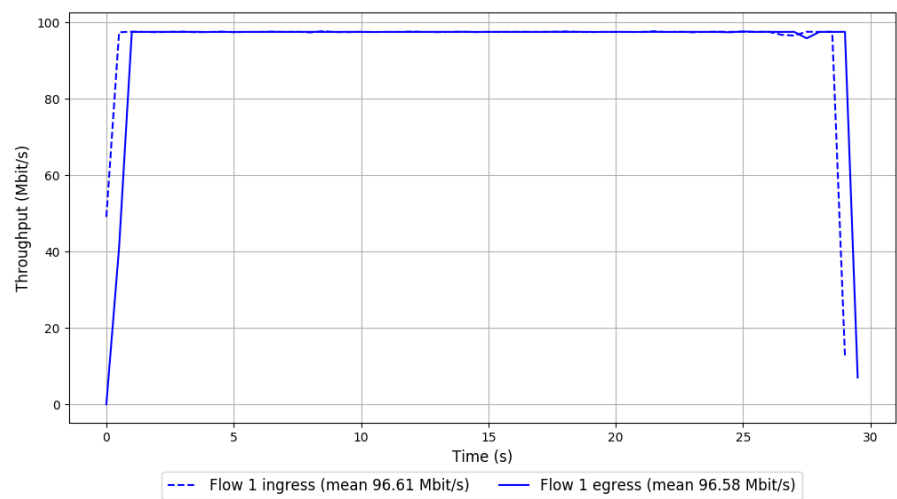


```
Run 1: Statistics of Indigo-MusesC3

Start at: 2019-02-05 13:15:48
End at: 2019-02-05 13:16:18
Local clock offset: 1.362 ms
Remote clock offset: -5.606 ms

# Below is generated by plot.py at 2019-02-05 15:02:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.58 Mbit/s
95th percentile per-packet one-way delay: 42.163 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 96.58 Mbit/s
95th percentile per-packet one-way delay: 42.163 ms
Loss rate: 0.24%
```

Run 1: Report of Indigo-MusesC3 — Data Link

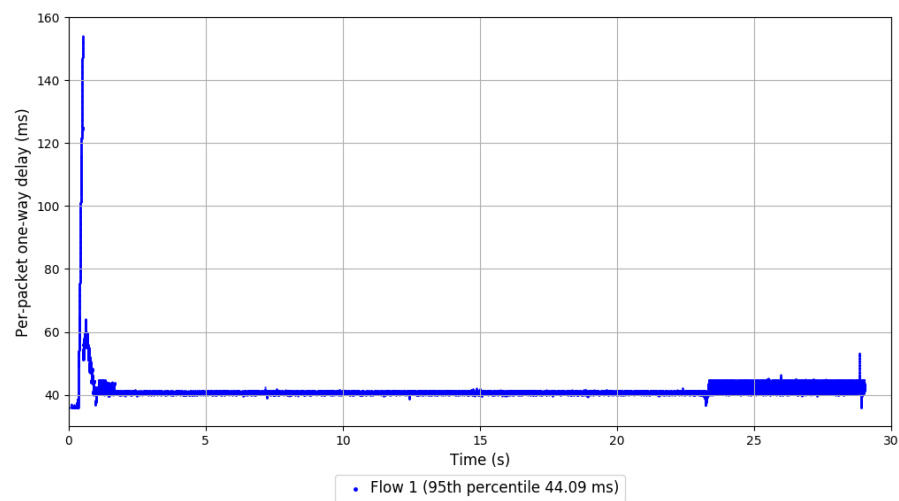
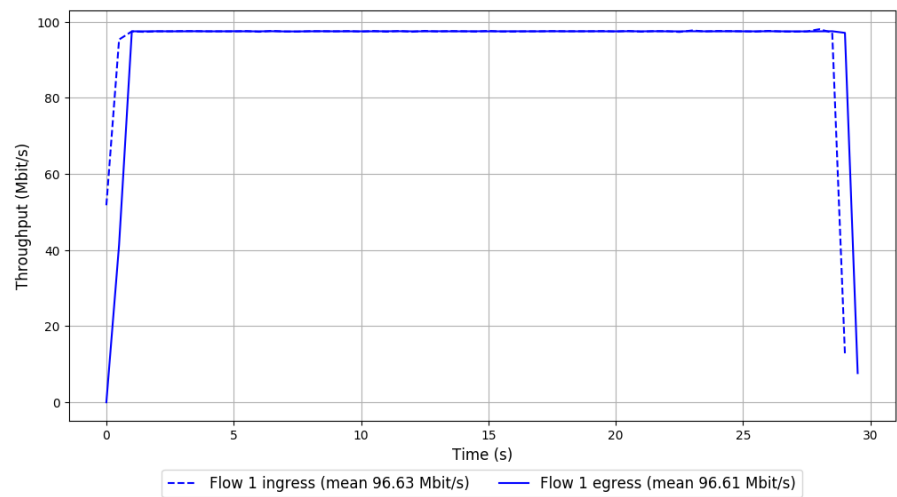


Run 2: Statistics of Indigo-MusesC3

Start at: 2019-02-05 13:40:19
End at: 2019-02-05 13:40:49
Local clock offset: 1.102 ms
Remote clock offset: -4.052 ms

Below is generated by plot.py at 2019-02-05 15:02:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.61 Mbit/s
95th percentile per-packet one-way delay: 44.086 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 96.61 Mbit/s
95th percentile per-packet one-way delay: 44.086 ms
Loss rate: 0.24%

Run 2: Report of Indigo-MusesC3 — Data Link



Run 3: Statistics of Indigo-MusesC3

Start at: 2019-02-05 14:04:57

End at: 2019-02-05 14:05:27

Local clock offset: 1.84 ms

Remote clock offset: -5.78 ms

Below is generated by plot.py at 2019-02-05 15:02:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.58 Mbit/s

95th percentile per-packet one-way delay: 45.798 ms

Loss rate: 0.25%

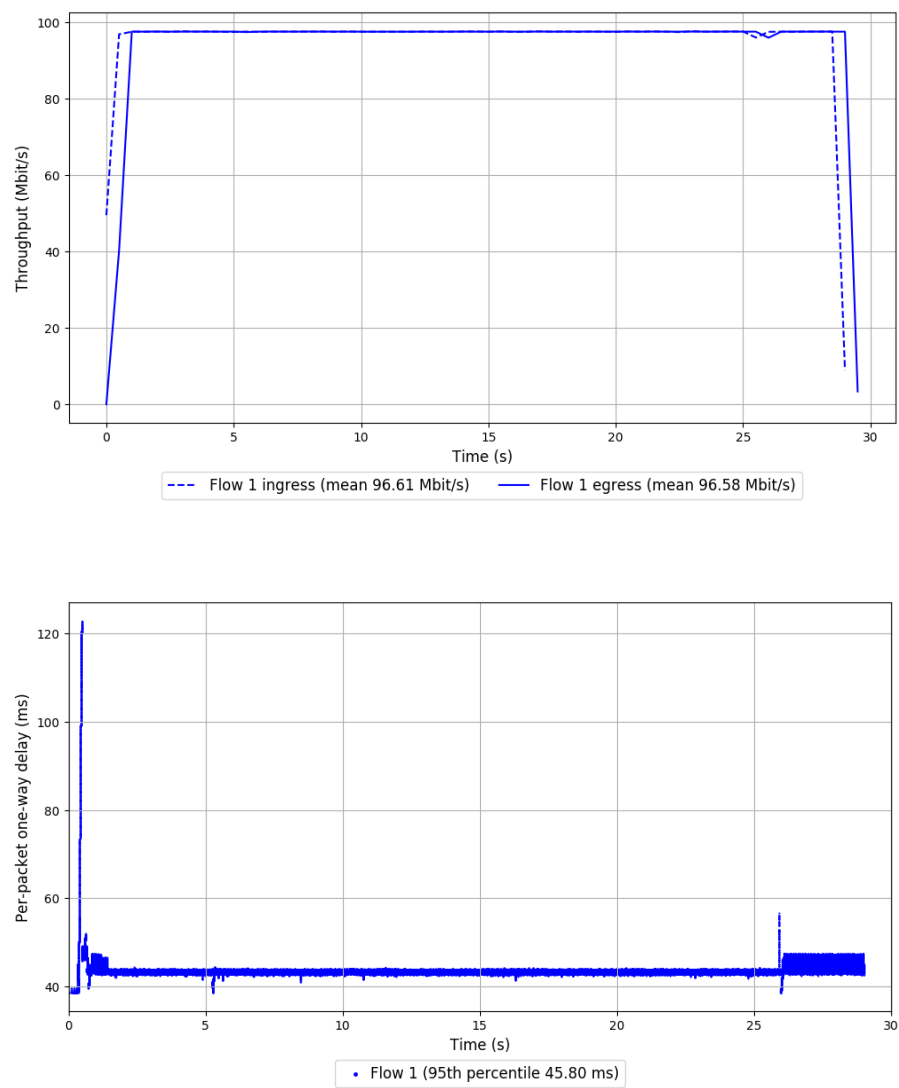
-- Flow 1:

Average throughput: 96.58 Mbit/s

95th percentile per-packet one-way delay: 45.798 ms

Loss rate: 0.25%

Run 3: Report of Indigo-MusesC3 — Data Link

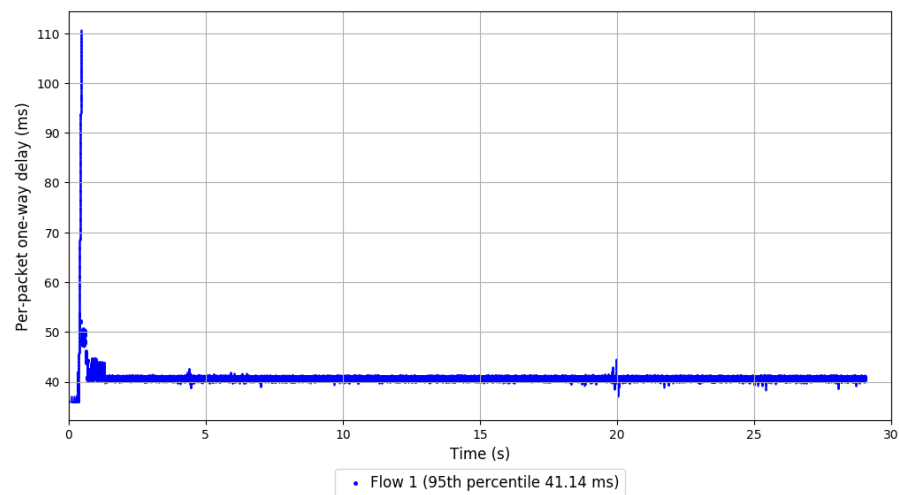
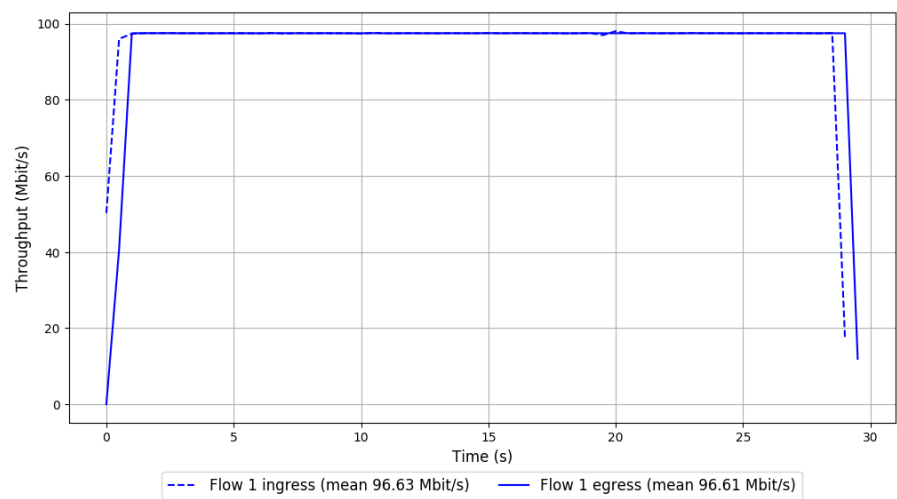


Run 4: Statistics of Indigo-MusesC3

Start at: 2019-02-05 14:29:39
End at: 2019-02-05 14:30:09
Local clock offset: 2.237 ms
Remote clock offset: -2.587 ms

Below is generated by plot.py at 2019-02-05 15:02:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.61 Mbit/s
95th percentile per-packet one-way delay: 41.143 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 96.61 Mbit/s
95th percentile per-packet one-way delay: 41.143 ms
Loss rate: 0.24%

Run 4: Report of Indigo-MusesC3 — Data Link

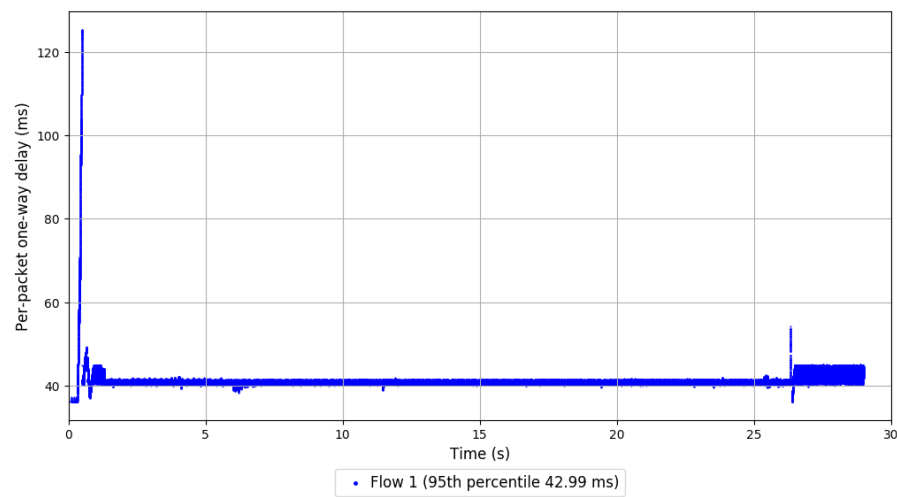
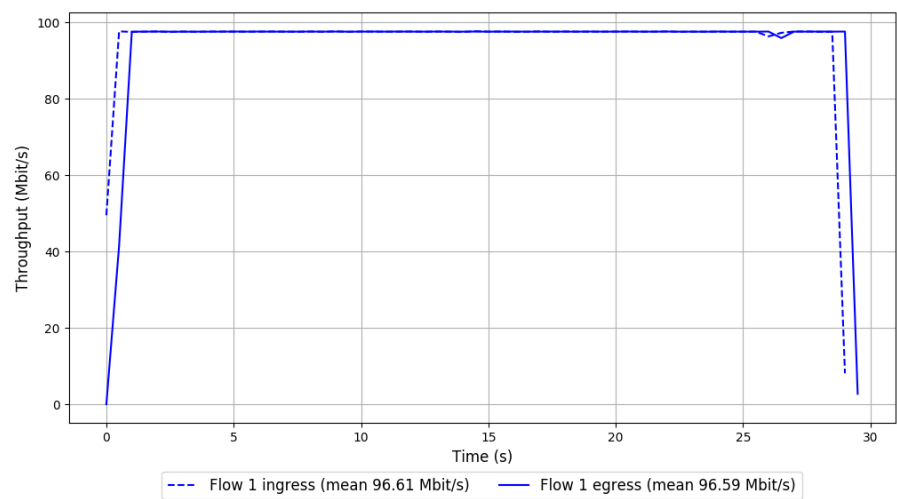


Run 5: Statistics of Indigo-MusesC3

Start at: 2019-02-05 14:54:19
End at: 2019-02-05 14:54:49
Local clock offset: 1.954 ms
Remote clock offset: -2.426 ms

Below is generated by plot.py at 2019-02-05 15:02:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.59 Mbit/s
95th percentile per-packet one-way delay: 42.995 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 96.59 Mbit/s
95th percentile per-packet one-way delay: 42.995 ms
Loss rate: 0.24%

Run 5: Report of Indigo-MusesC3 — Data Link

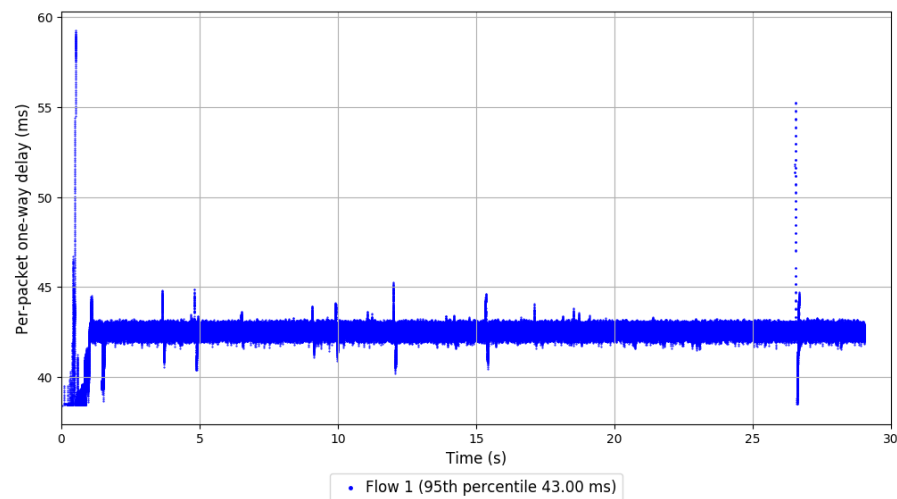
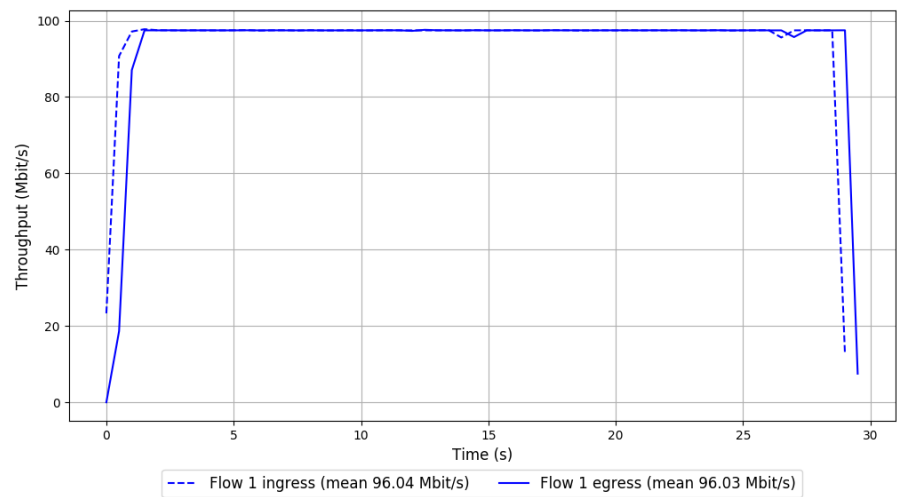


Run 1: Statistics of Indigo-MusesC5

Start at: 2019-02-05 13:13:25
End at: 2019-02-05 13:13:55
Local clock offset: 1.371 ms
Remote clock offset: -8.128 ms

Below is generated by plot.py at 2019-02-05 15:03:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 42.997 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 42.997 ms
Loss rate: 0.24%

Run 1: Report of Indigo-MusesC5 — Data Link

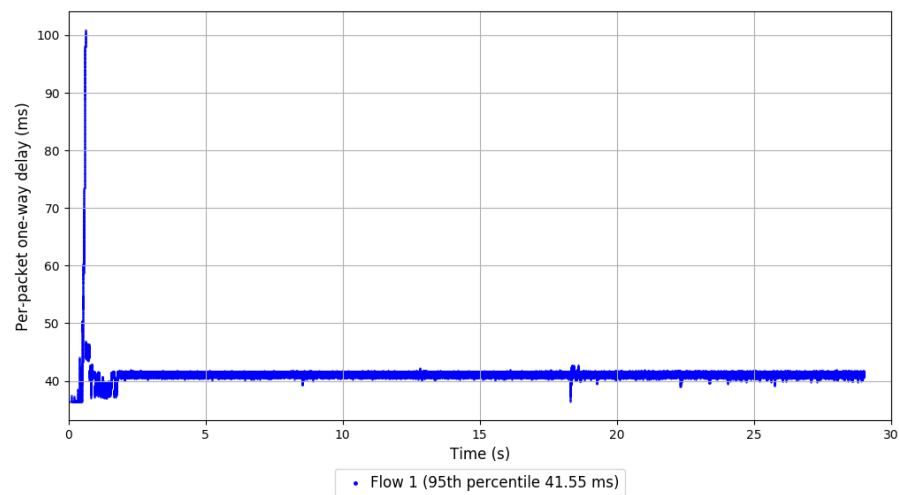
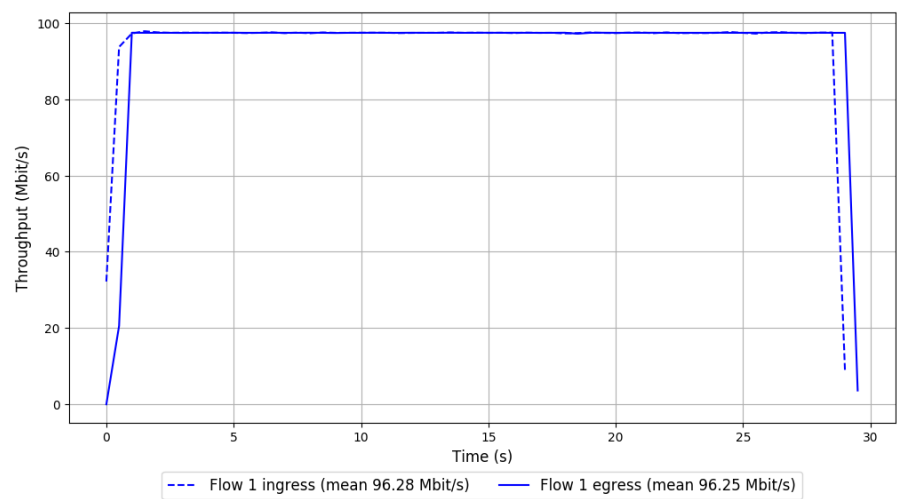


Run 2: Statistics of Indigo-MusesC5

Start at: 2019-02-05 13:37:56
End at: 2019-02-05 13:38:26
Local clock offset: 1.111 ms
Remote clock offset: -4.659 ms

Below is generated by plot.py at 2019-02-05 15:03:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: 41.546 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: 41.546 ms
Loss rate: 0.24%

Run 2: Report of Indigo-MusesC5 — Data Link

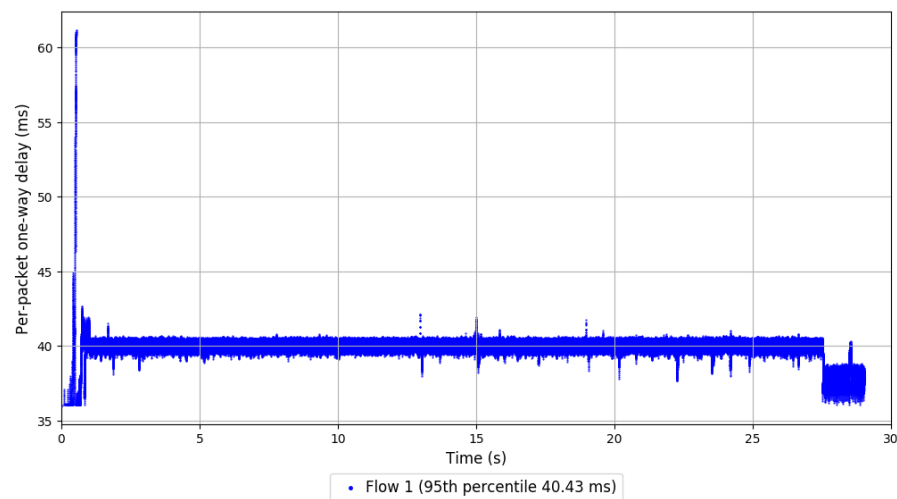
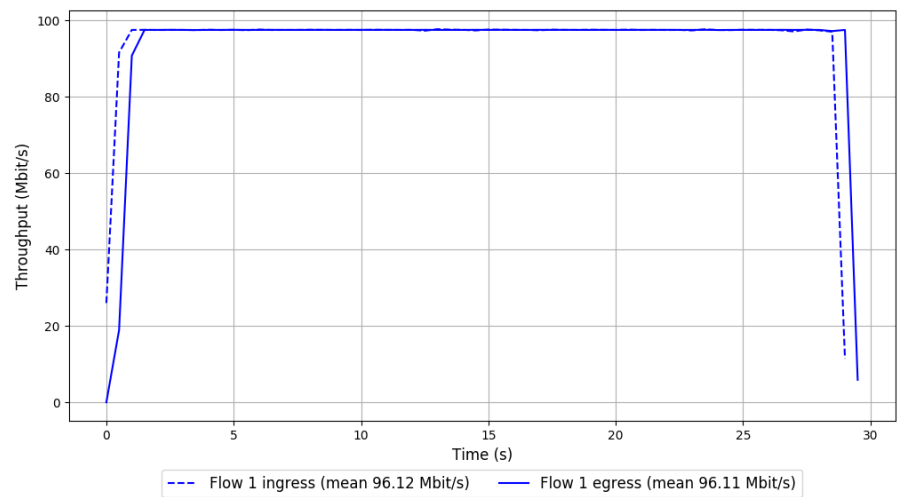


Run 3: Statistics of Indigo-MusesC5

Start at: 2019-02-05 14:02:29
End at: 2019-02-05 14:02:59
Local clock offset: 1.782 ms
Remote clock offset: -3.258 ms

Below is generated by plot.py at 2019-02-05 15:03:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.11 Mbit/s
95th percentile per-packet one-way delay: 40.433 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 96.11 Mbit/s
95th percentile per-packet one-way delay: 40.433 ms
Loss rate: 0.23%

Run 3: Report of Indigo-MusesC5 — Data Link

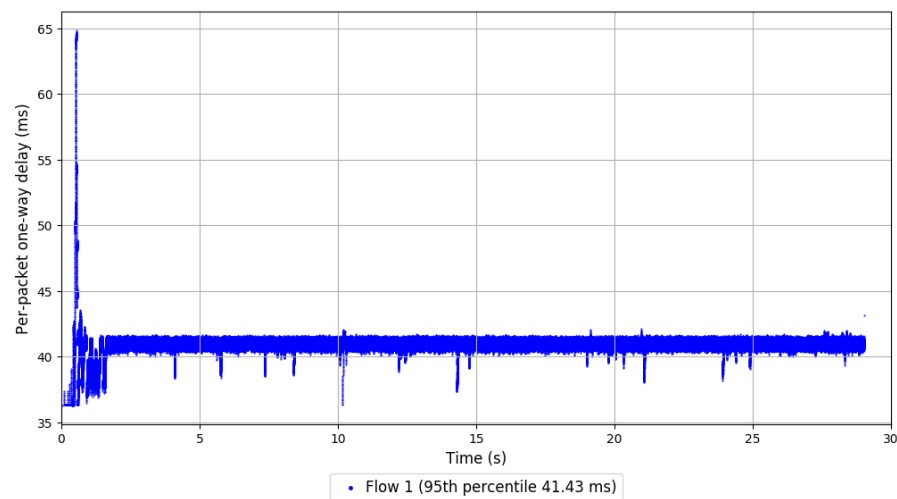
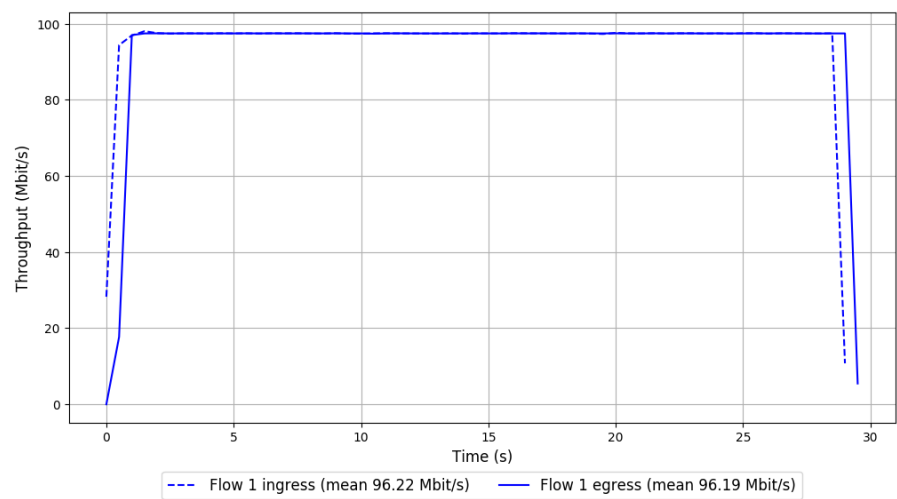


Run 4: Statistics of Indigo-MusesC5

Start at: 2019-02-05 14:27:15
End at: 2019-02-05 14:27:45
Local clock offset: 2.192 ms
Remote clock offset: -2.975 ms

Below is generated by plot.py at 2019-02-05 15:03:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.19 Mbit/s
95th percentile per-packet one-way delay: 41.427 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 96.19 Mbit/s
95th percentile per-packet one-way delay: 41.427 ms
Loss rate: 0.24%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-02-05 14:51:57

End at: 2019-02-05 14:52:27

Local clock offset: 2.04 ms

Remote clock offset: -4.73 ms

Below is generated by plot.py at 2019-02-05 15:03:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.98 Mbit/s

95th percentile per-packet one-way delay: 42.862 ms

Loss rate: 0.23%

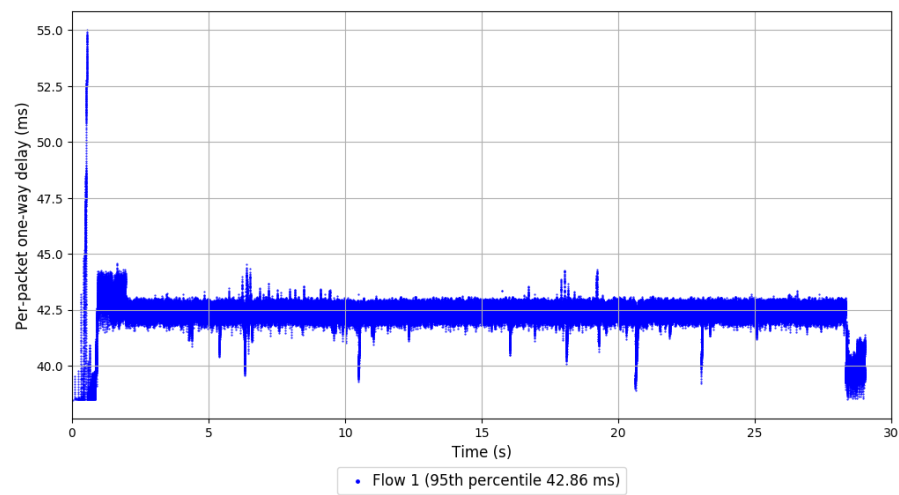
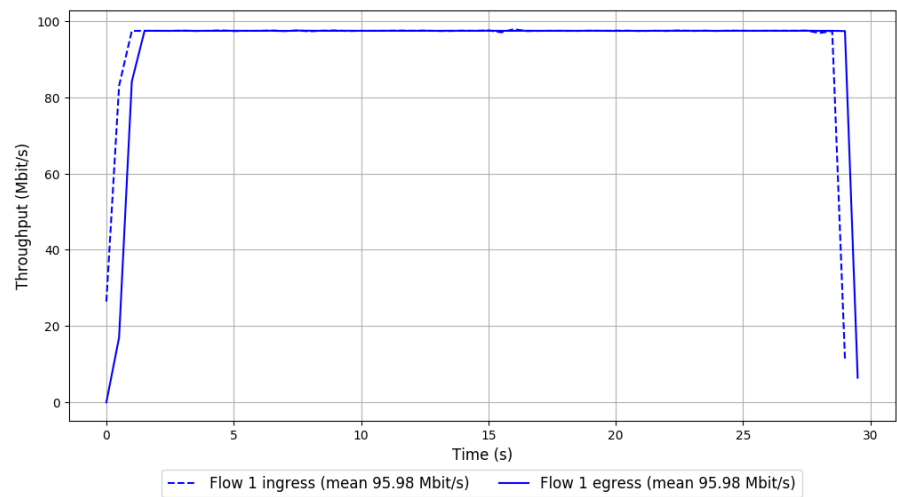
-- Flow 1:

Average throughput: 95.98 Mbit/s

95th percentile per-packet one-way delay: 42.862 ms

Loss rate: 0.23%

Run 5: Report of Indigo-MusesC5 — Data Link

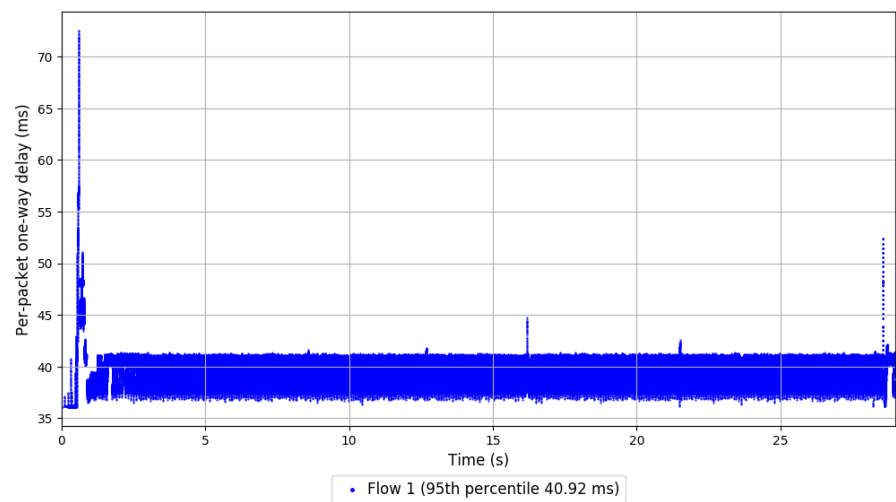
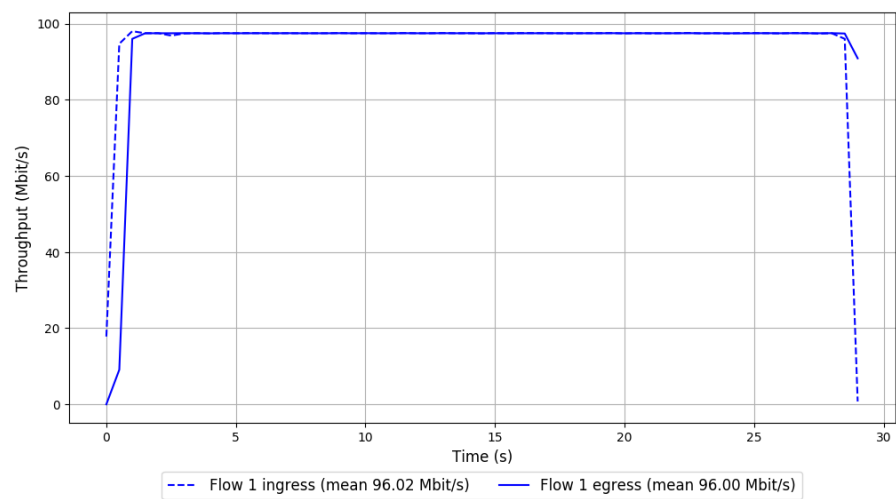


Run 1: Statistics of Indigo-MusesD

Start at: 2019-02-05 12:58:21
End at: 2019-02-05 12:58:51
Local clock offset: 1.53 ms
Remote clock offset: -6.378 ms

Below is generated by plot.py at 2019-02-05 15:03:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 40.920 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 40.920 ms
Loss rate: 0.24%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-02-05 13:22:52

End at: 2019-02-05 13:23:22

Local clock offset: 1.258 ms

Remote clock offset: -7.569 ms

Below is generated by plot.py at 2019-02-05 15:03:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.96 Mbit/s

95th percentile per-packet one-way delay: 42.909 ms

Loss rate: 0.24%

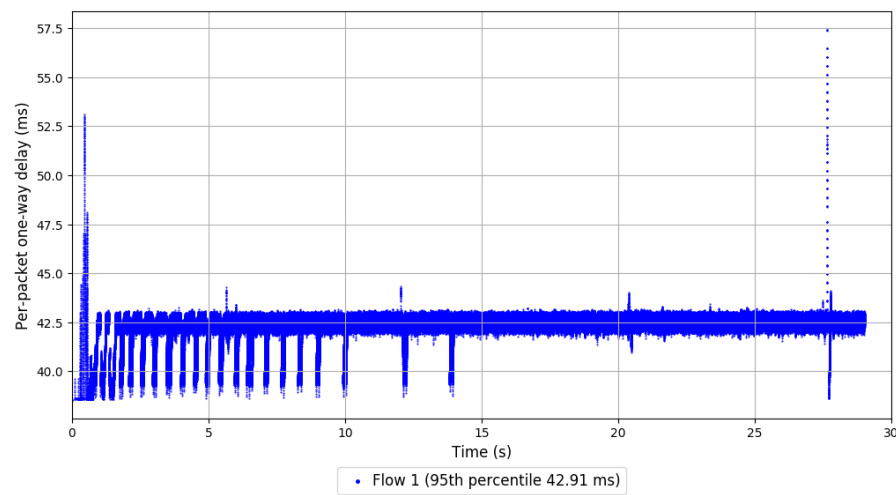
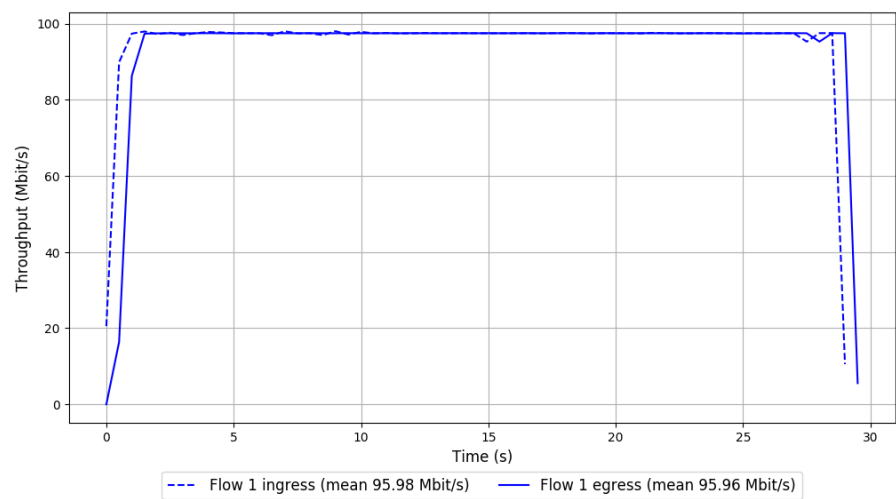
-- Flow 1:

Average throughput: 95.96 Mbit/s

95th percentile per-packet one-way delay: 42.909 ms

Loss rate: 0.24%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-02-05 13:47:24

End at: 2019-02-05 13:47:54

Local clock offset: 1.159 ms

Remote clock offset: -5.669 ms

Below is generated by plot.py at 2019-02-05 15:03:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.35 Mbit/s

95th percentile per-packet one-way delay: 42.144 ms

Loss rate: 0.24%

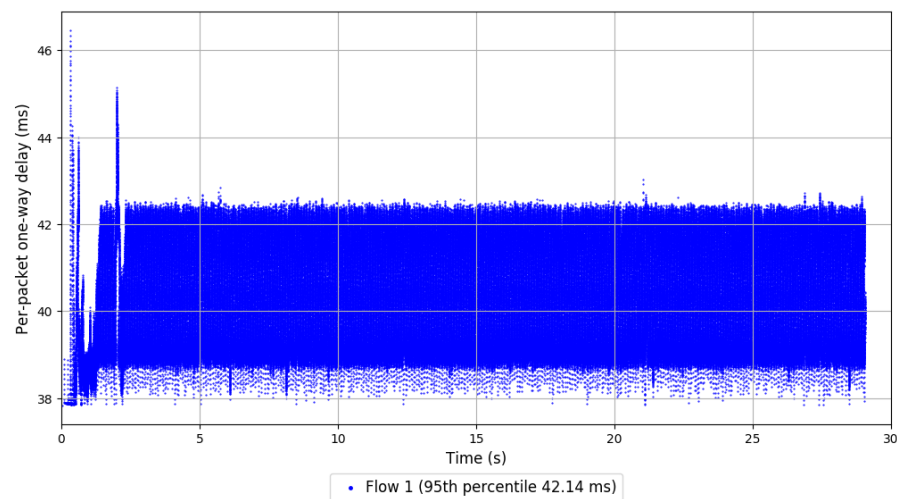
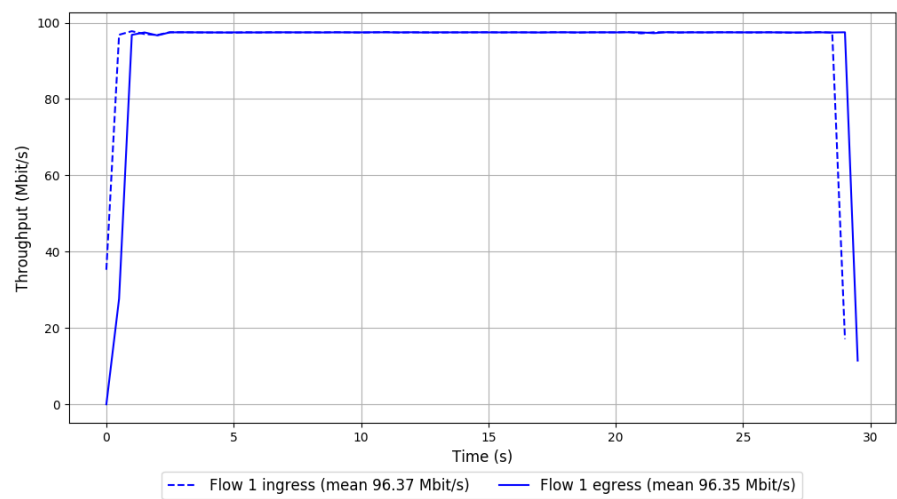
-- Flow 1:

Average throughput: 96.35 Mbit/s

95th percentile per-packet one-way delay: 42.144 ms

Loss rate: 0.24%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-02-05 14:12:09

End at: 2019-02-05 14:12:39

Local clock offset: 1.935 ms

Remote clock offset: -3.144 ms

Below is generated by plot.py at 2019-02-05 15:04:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.36 Mbit/s

95th percentile per-packet one-way delay: 40.560 ms

Loss rate: 0.24%

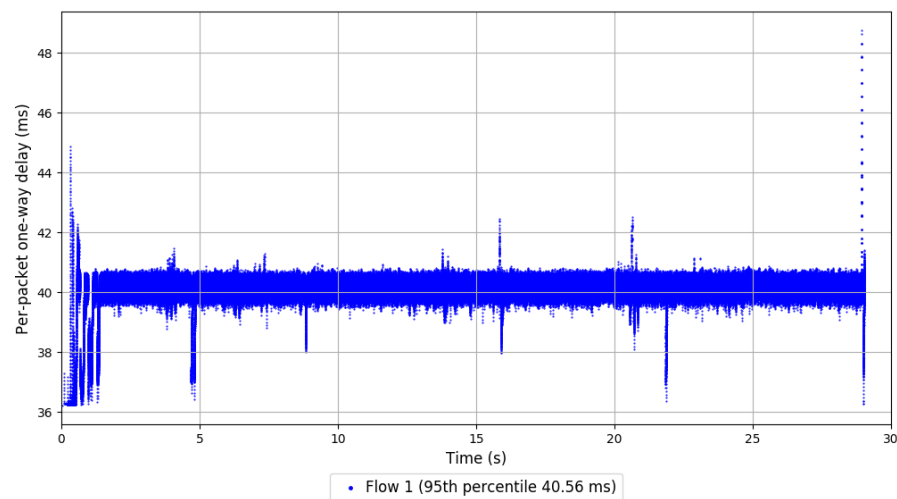
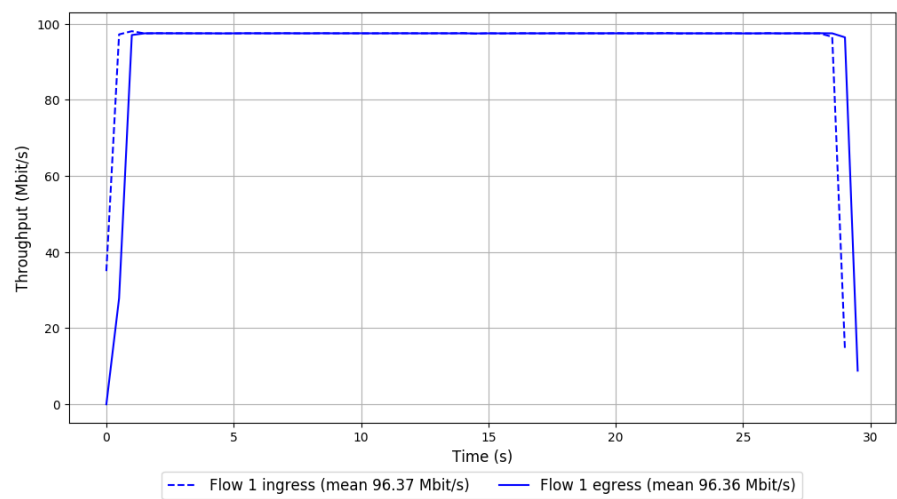
-- Flow 1:

Average throughput: 96.36 Mbit/s

95th percentile per-packet one-way delay: 40.560 ms

Loss rate: 0.24%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-02-05 14:36:44

End at: 2019-02-05 14:37:14

Local clock offset: 2.297 ms

Remote clock offset: -4.665 ms

Below is generated by plot.py at 2019-02-05 15:04:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.10 Mbit/s

95th percentile per-packet one-way delay: 42.532 ms

Loss rate: 0.24%

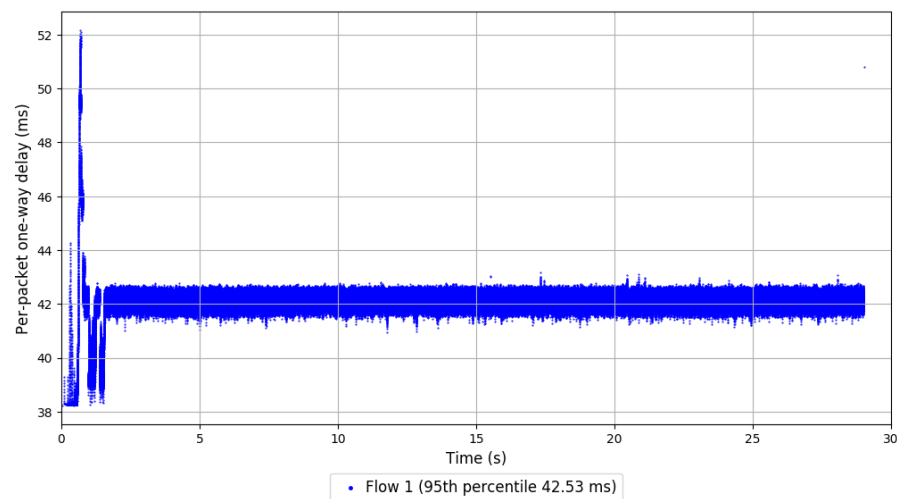
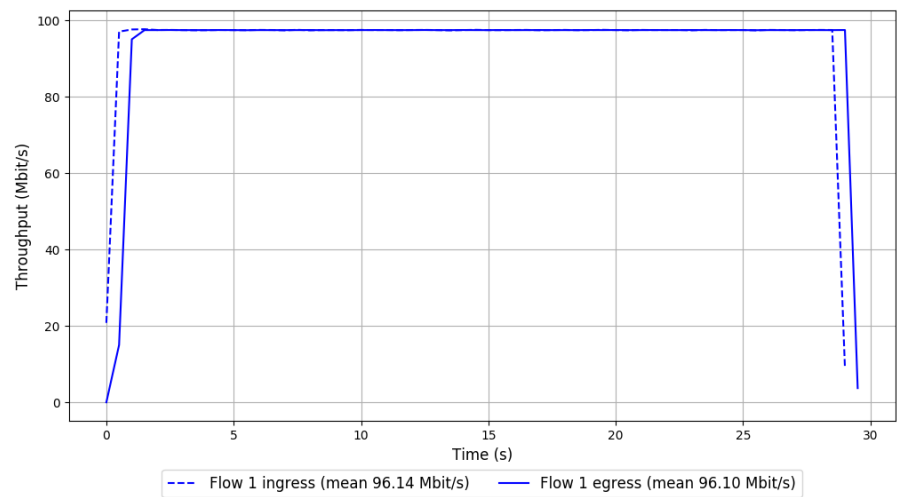
-- Flow 1:

Average throughput: 96.10 Mbit/s

95th percentile per-packet one-way delay: 42.532 ms

Loss rate: 0.24%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MusesT

Start at: 2019-02-05 13:05:21

End at: 2019-02-05 13:05:51

Local clock offset: 1.434 ms

Remote clock offset: -6.093 ms

Below is generated by plot.py at 2019-02-05 15:04:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.56 Mbit/s

95th percentile per-packet one-way delay: 48.363 ms

Loss rate: 1.43%

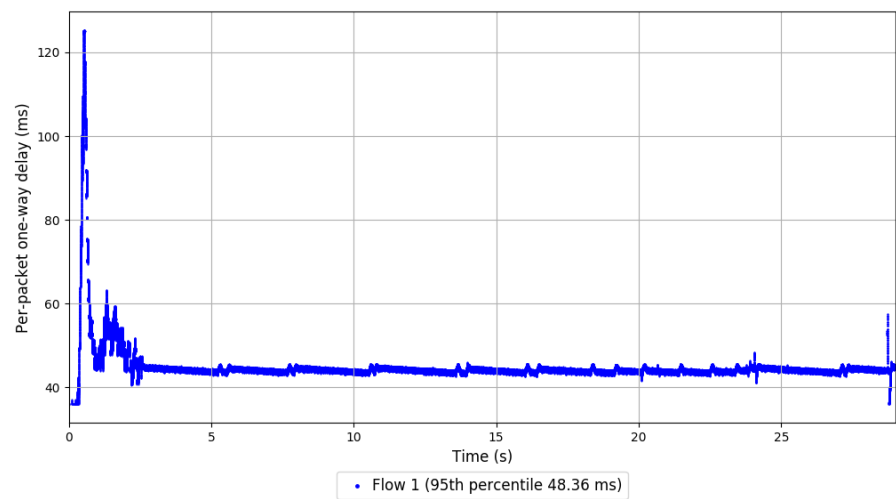
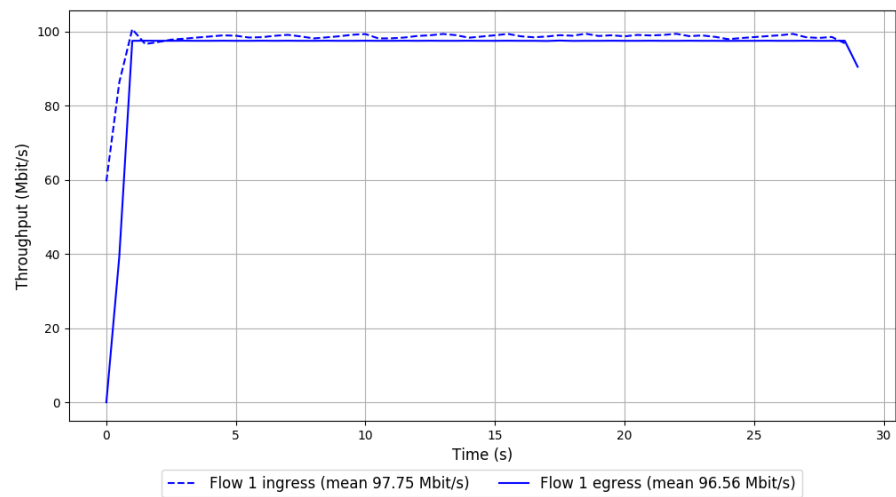
-- Flow 1:

Average throughput: 96.56 Mbit/s

95th percentile per-packet one-way delay: 48.363 ms

Loss rate: 1.43%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-02-05 13:29:52

End at: 2019-02-05 13:30:22

Local clock offset: 1.18 ms

Remote clock offset: -4.868 ms

Below is generated by plot.py at 2019-02-05 15:04:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.57 Mbit/s

95th percentile per-packet one-way delay: 46.788 ms

Loss rate: 1.39%

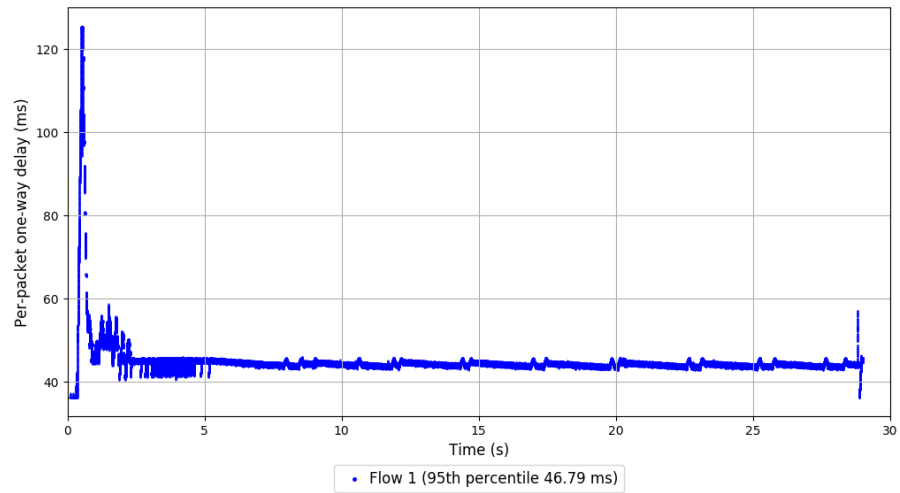
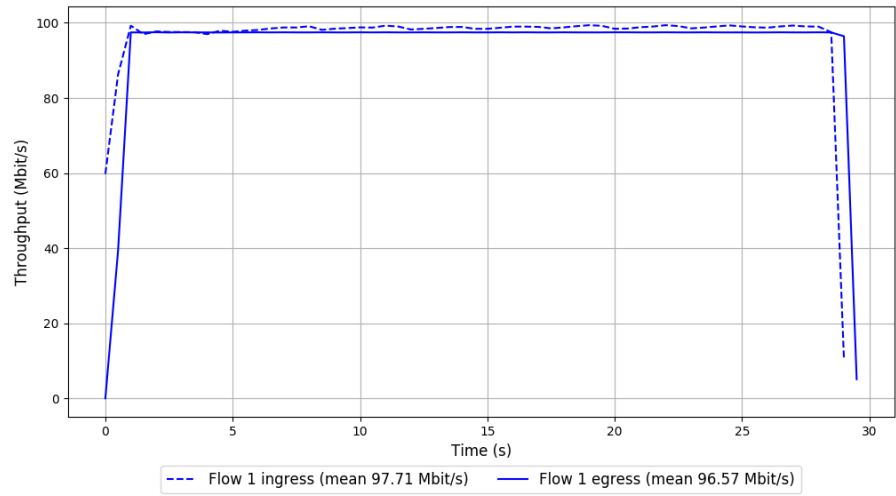
-- Flow 1:

Average throughput: 96.57 Mbit/s

95th percentile per-packet one-way delay: 46.788 ms

Loss rate: 1.39%

Run 2: Report of Indigo-MusesT — Data Link

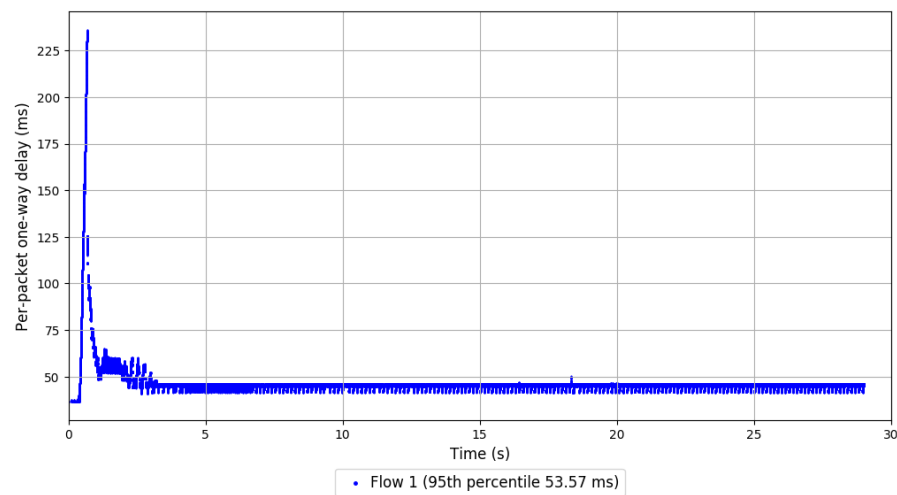
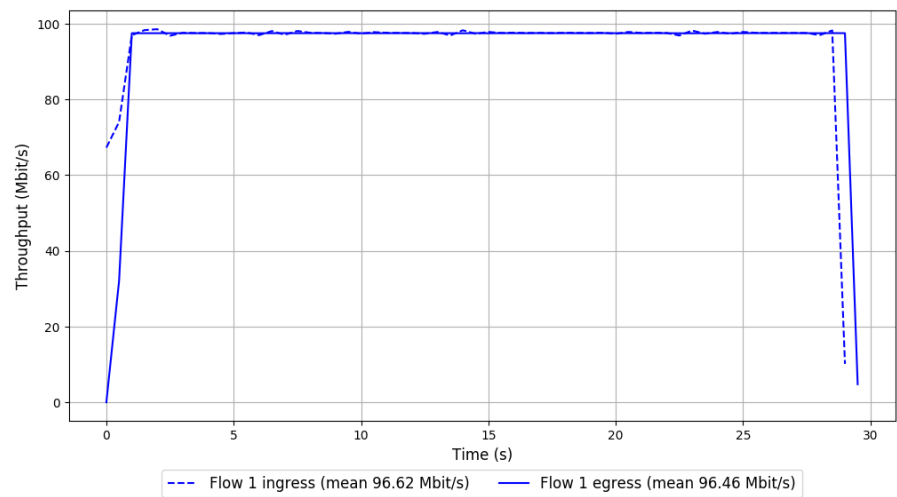


Run 3: Statistics of Indigo-MusesT

Start at: 2019-02-05 13:54:25
End at: 2019-02-05 13:54:55
Local clock offset: 1.554 ms
Remote clock offset: -3.889 ms

Below is generated by plot.py at 2019-02-05 15:04:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.46 Mbit/s
95th percentile per-packet one-way delay: 53.566 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 96.46 Mbit/s
95th percentile per-packet one-way delay: 53.566 ms
Loss rate: 0.38%

Run 3: Report of Indigo-MusesT — Data Link

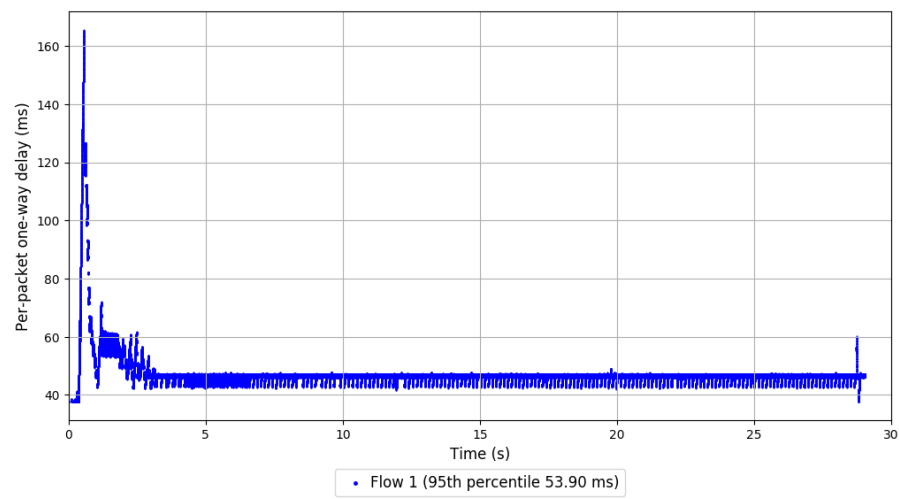
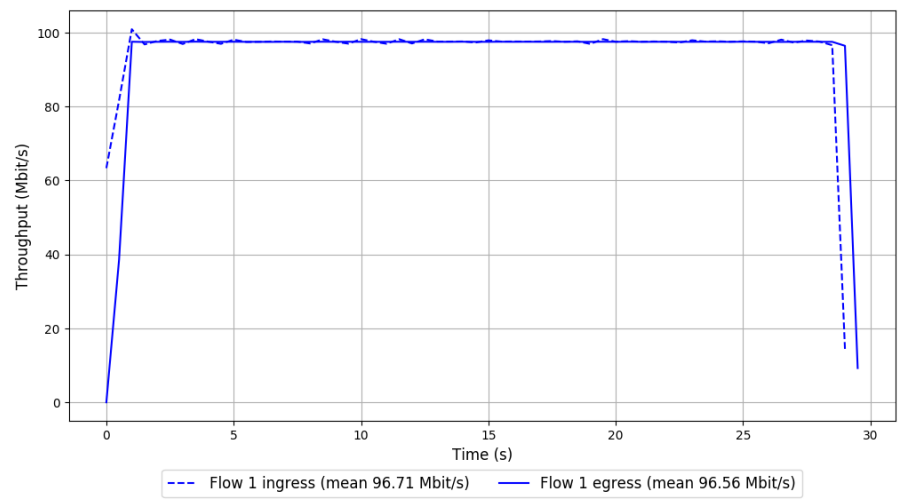


Run 4: Statistics of Indigo-MusesT

Start at: 2019-02-05 14:19:09
End at: 2019-02-05 14:19:39
Local clock offset: 2.039 ms
Remote clock offset: -4.532 ms

Below is generated by plot.py at 2019-02-05 15:04:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.56 Mbit/s
95th percentile per-packet one-way delay: 53.896 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 96.56 Mbit/s
95th percentile per-packet one-way delay: 53.896 ms
Loss rate: 0.38%

Run 4: Report of Indigo-MusesT — Data Link

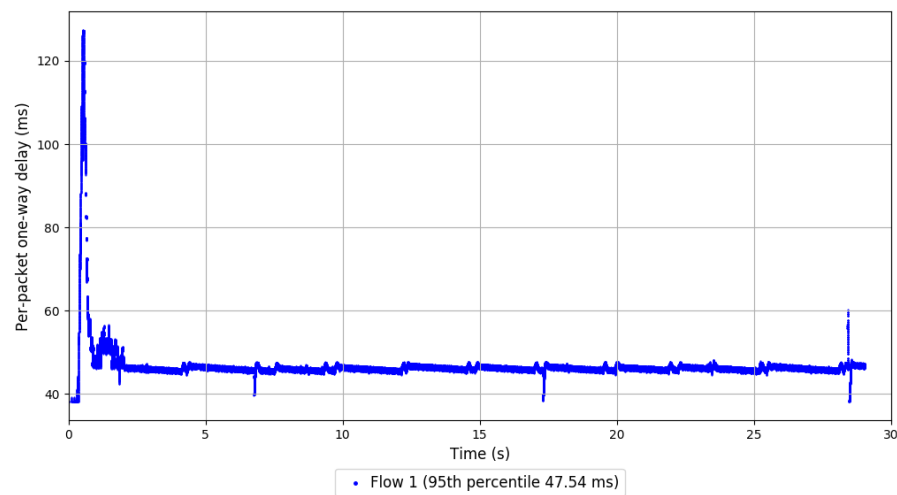
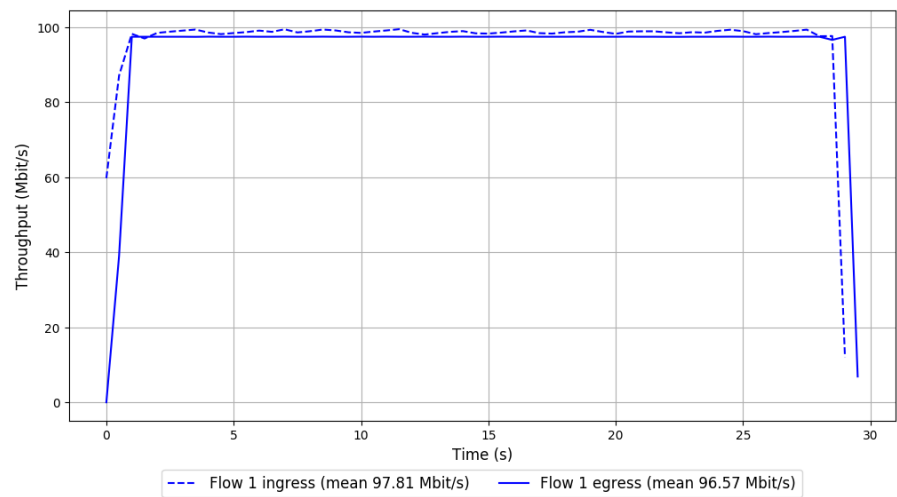


Run 5: Statistics of Indigo-MusesT

Start at: 2019-02-05 14:43:51
End at: 2019-02-05 14:44:21
Local clock offset: 2.369 ms
Remote clock offset: -4.462 ms

Below is generated by plot.py at 2019-02-05 15:04:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.57 Mbit/s
95th percentile per-packet one-way delay: 47.536 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 96.57 Mbit/s
95th percentile per-packet one-way delay: 47.536 ms
Loss rate: 1.49%

Run 5: Report of Indigo-MusesT — Data Link

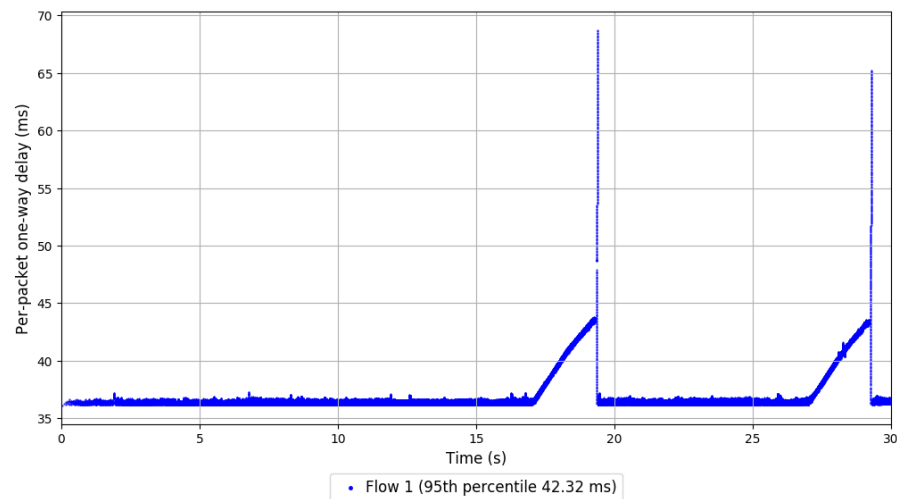
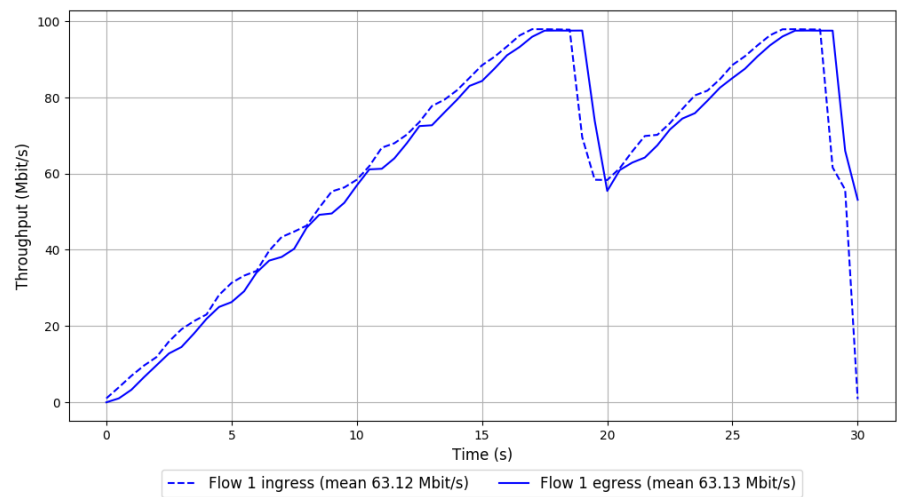


Run 1: Statistics of LEDBAT

Start at: 2019-02-05 13:11:09
End at: 2019-02-05 13:11:39
Local clock offset: 1.368 ms
Remote clock offset: -5.885 ms

Below is generated by plot.py at 2019-02-05 15:04:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.13 Mbit/s
95th percentile per-packet one-way delay: 42.324 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 63.13 Mbit/s
95th percentile per-packet one-way delay: 42.324 ms
Loss rate: 0.20%

Run 1: Report of LEDBAT — Data Link

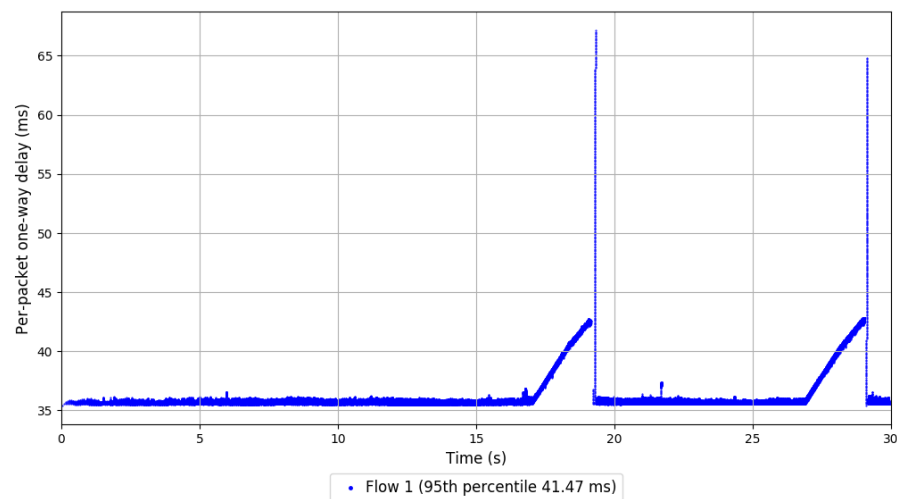
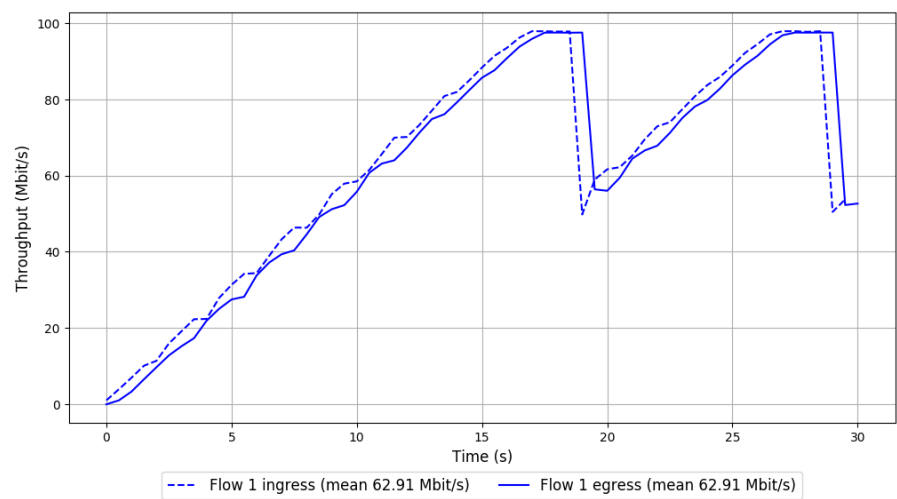


Run 2: Statistics of LEDBAT

Start at: 2019-02-05 13:35:40
End at: 2019-02-05 13:36:10
Local clock offset: 1.141 ms
Remote clock offset: -3.792 ms

Below is generated by plot.py at 2019-02-05 15:04:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 62.91 Mbit/s
95th percentile per-packet one-way delay: 41.470 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 62.91 Mbit/s
95th percentile per-packet one-way delay: 41.470 ms
Loss rate: 0.20%

Run 2: Report of LEDBAT — Data Link

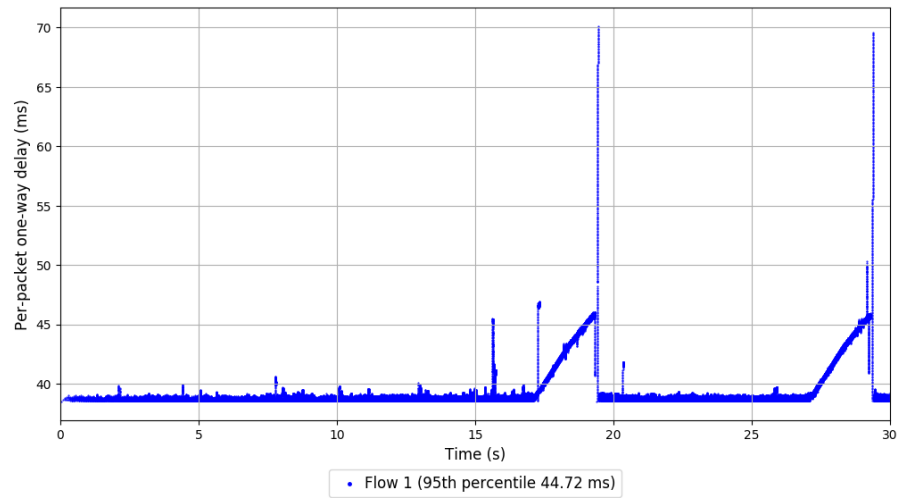
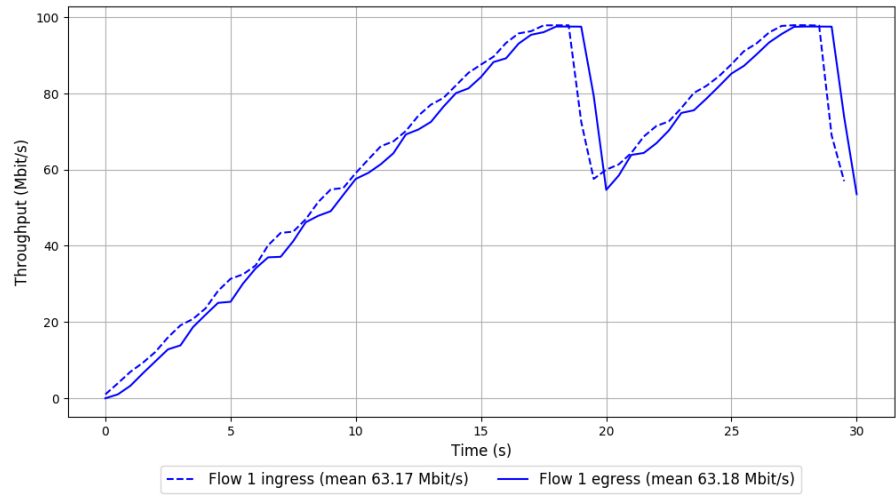


Run 3: Statistics of LEDBAT

Start at: 2019-02-05 14:00:13
End at: 2019-02-05 14:00:43
Local clock offset: 1.718 ms
Remote clock offset: -5.761 ms

Below is generated by plot.py at 2019-02-05 15:04:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.18 Mbit/s
95th percentile per-packet one-way delay: 44.717 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 63.18 Mbit/s
95th percentile per-packet one-way delay: 44.717 ms
Loss rate: 0.20%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2019-02-05 14:24:59

End at: 2019-02-05 14:25:29

Local clock offset: 2.152 ms

Remote clock offset: -4.88 ms

Below is generated by plot.py at 2019-02-05 15:05:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.34 Mbit/s

95th percentile per-packet one-way delay: 44.507 ms

Loss rate: 0.20%

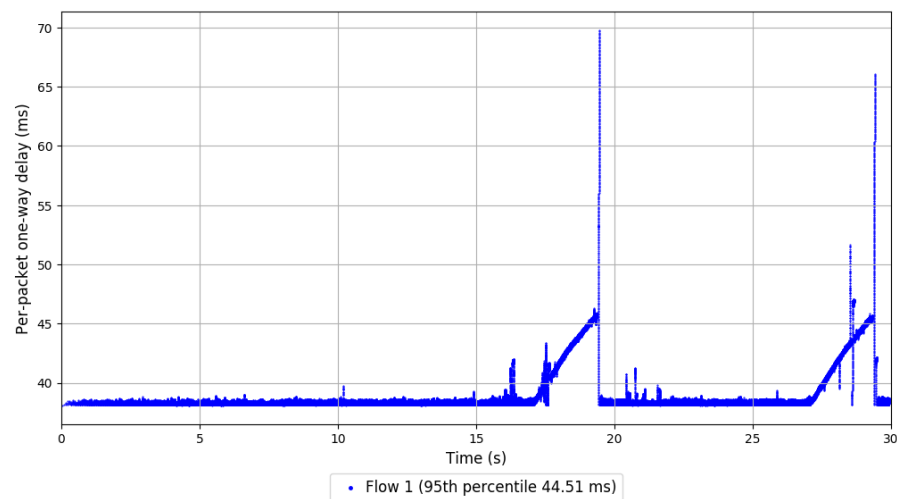
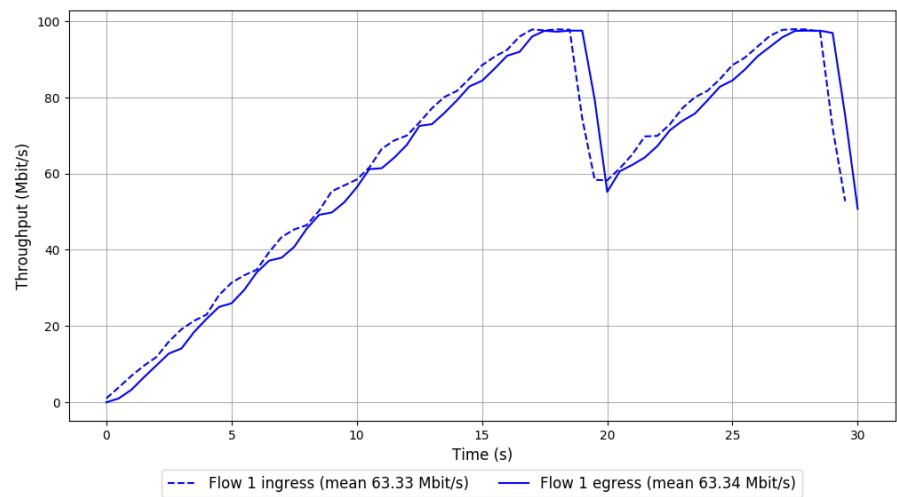
-- Flow 1:

Average throughput: 63.34 Mbit/s

95th percentile per-packet one-way delay: 44.507 ms

Loss rate: 0.20%

Run 4: Report of LEDBAT — Data Link

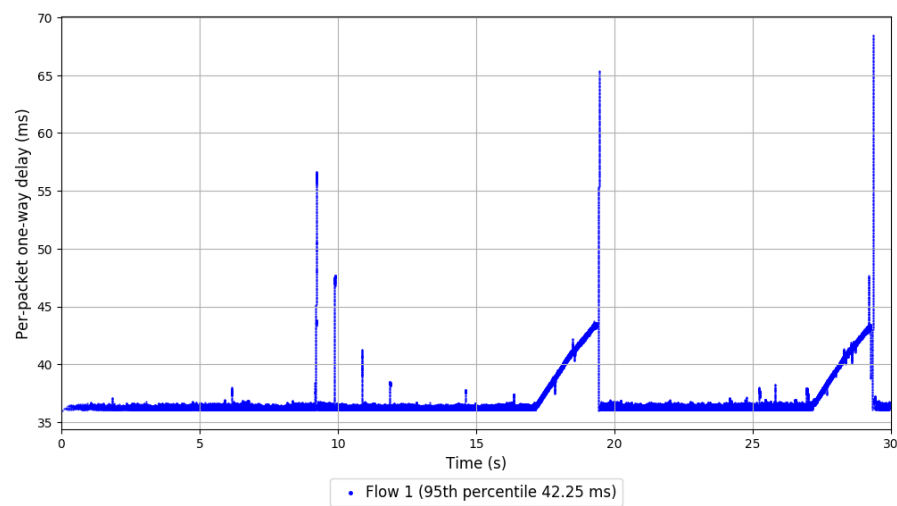
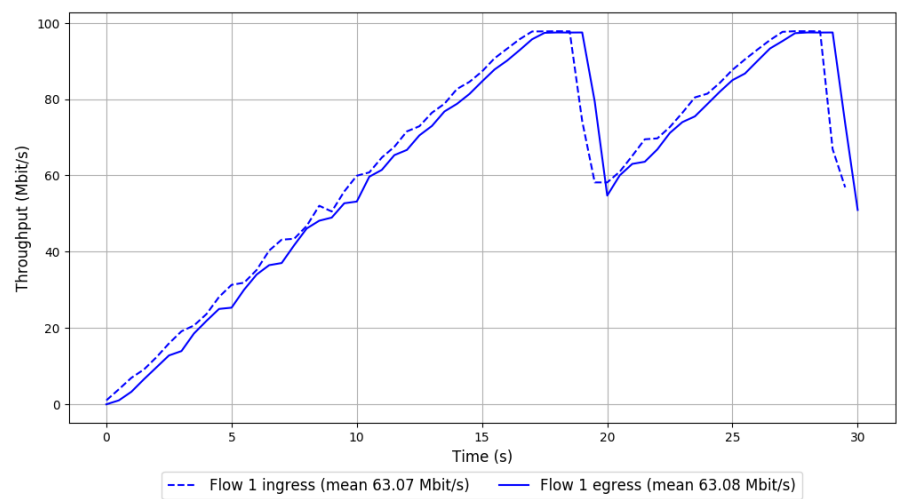


Run 5: Statistics of LEDBAT

Start at: 2019-02-05 14:49:41
End at: 2019-02-05 14:50:11
Local clock offset: 2.142 ms
Remote clock offset: -2.321 ms

Below is generated by plot.py at 2019-02-05 15:05:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.08 Mbit/s
95th percentile per-packet one-way delay: 42.253 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 63.08 Mbit/s
95th percentile per-packet one-way delay: 42.253 ms
Loss rate: 0.20%

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2019-02-05 13:03:05

End at: 2019-02-05 13:03:35

Local clock offset: 1.464 ms

Remote clock offset: -8.653 ms

Below is generated by plot.py at 2019-02-05 15:05:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.91 Mbit/s

95th percentile per-packet one-way delay: 43.340 ms

Loss rate: 0.23%

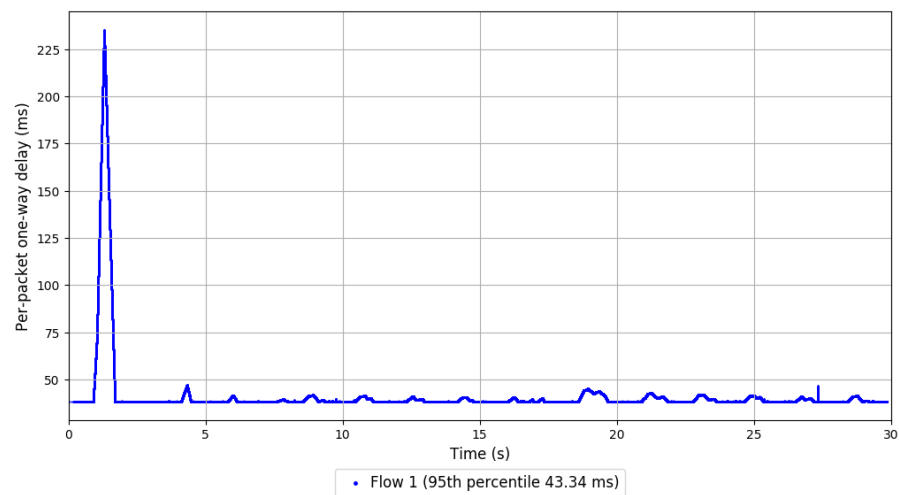
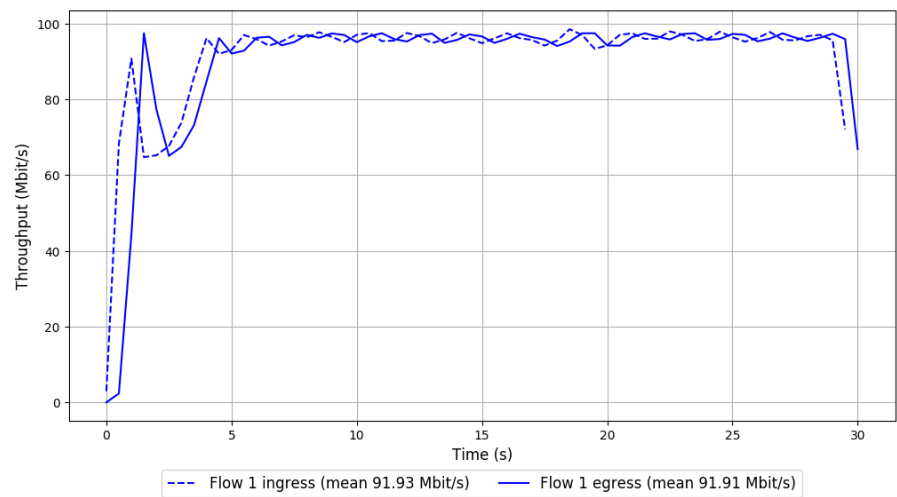
-- Flow 1:

Average throughput: 91.91 Mbit/s

95th percentile per-packet one-way delay: 43.340 ms

Loss rate: 0.23%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-02-05 13:27:36

End at: 2019-02-05 13:28:06

Local clock offset: 1.213 ms

Remote clock offset: -6.572 ms

Below is generated by plot.py at 2019-02-05 15:05:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.42 Mbit/s

95th percentile per-packet one-way delay: 42.824 ms

Loss rate: 0.24%

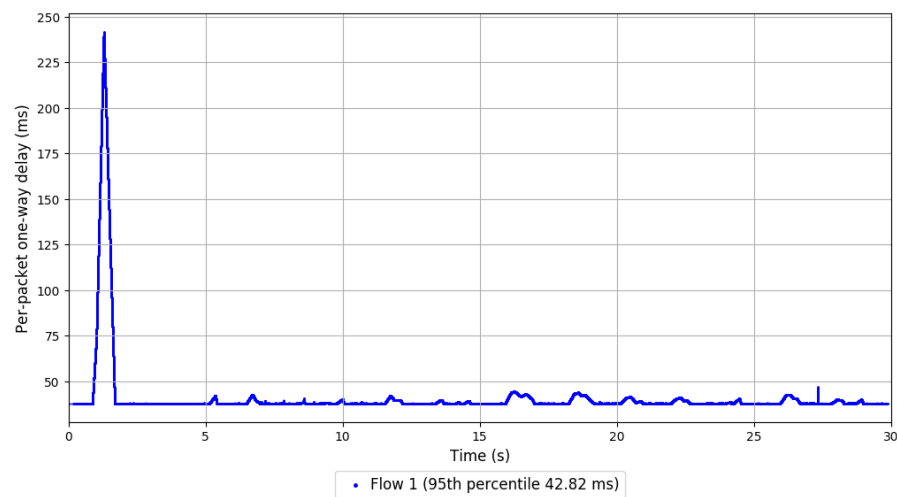
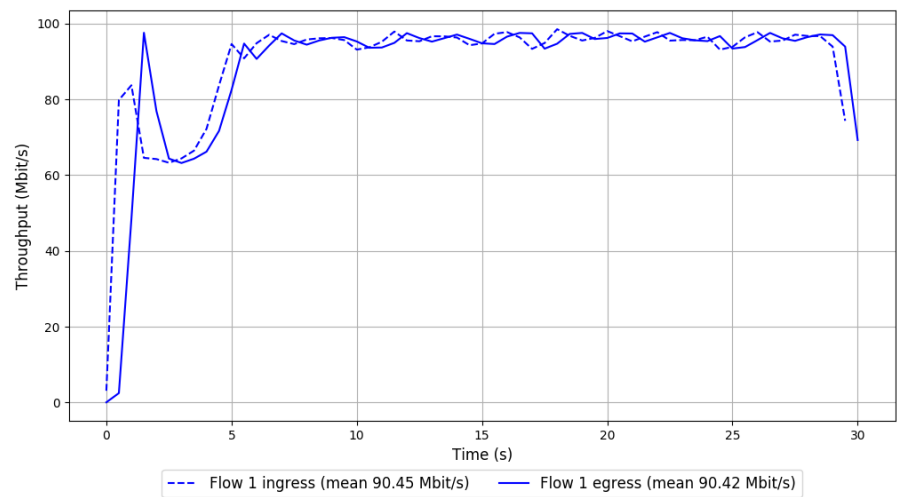
-- Flow 1:

Average throughput: 90.42 Mbit/s

95th percentile per-packet one-way delay: 42.824 ms

Loss rate: 0.24%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-02-05 13:52:09

End at: 2019-02-05 13:52:39

Local clock offset: 1.457 ms

Remote clock offset: -5.663 ms

Below is generated by plot.py at 2019-02-05 15:05:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.25 Mbit/s

95th percentile per-packet one-way delay: 42.145 ms

Loss rate: 0.24%

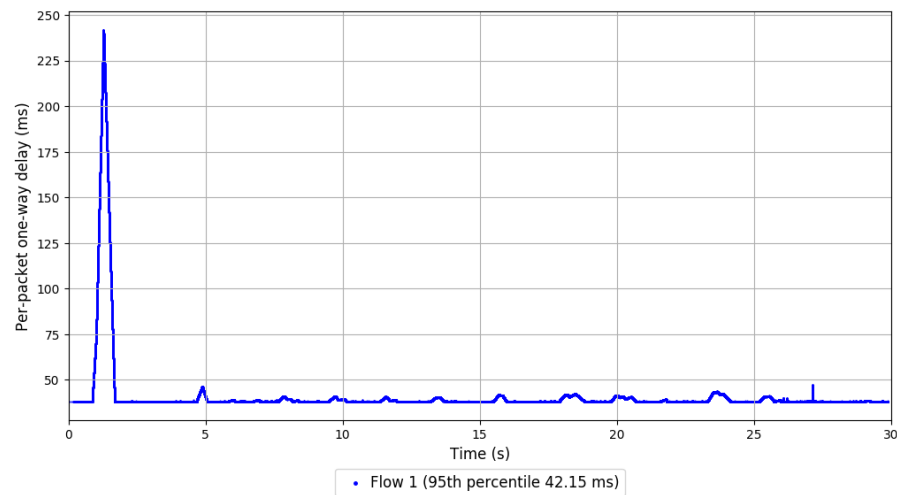
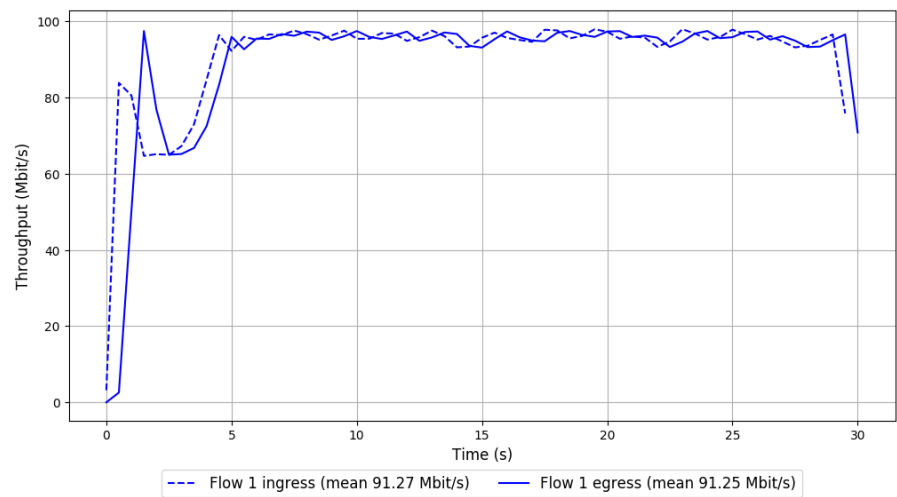
-- Flow 1:

Average throughput: 91.25 Mbit/s

95th percentile per-packet one-way delay: 42.145 ms

Loss rate: 0.24%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-02-05 14:16:53

End at: 2019-02-05 14:17:23

Local clock offset: 1.993 ms

Remote clock offset: -5.626 ms

Below is generated by plot.py at 2019-02-05 15:05:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.35 Mbit/s

95th percentile per-packet one-way delay: 41.965 ms

Loss rate: 0.23%

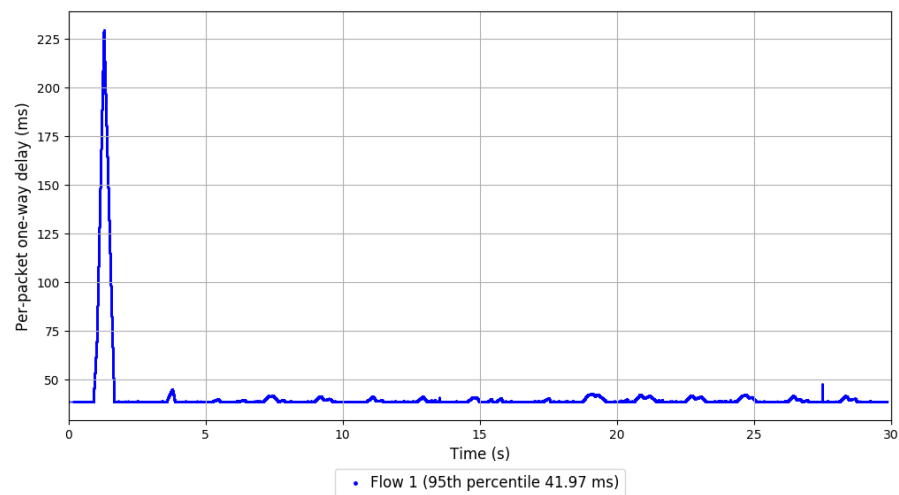
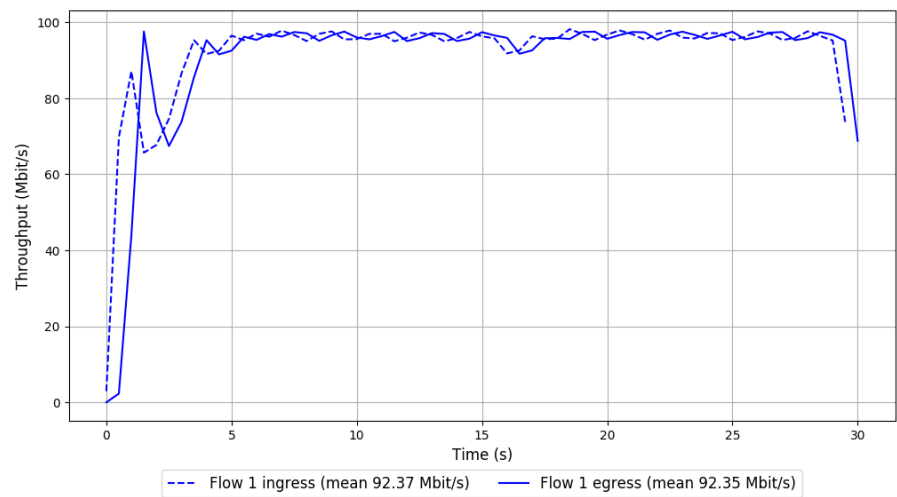
-- Flow 1:

Average throughput: 92.35 Mbit/s

95th percentile per-packet one-way delay: 41.965 ms

Loss rate: 0.23%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-02-05 14:41:29

End at: 2019-02-05 14:41:59

Local clock offset: 2.333 ms

Remote clock offset: -2.763 ms

Below is generated by plot.py at 2019-02-05 15:05:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.91 Mbit/s

95th percentile per-packet one-way delay: 43.630 ms

Loss rate: 0.25%

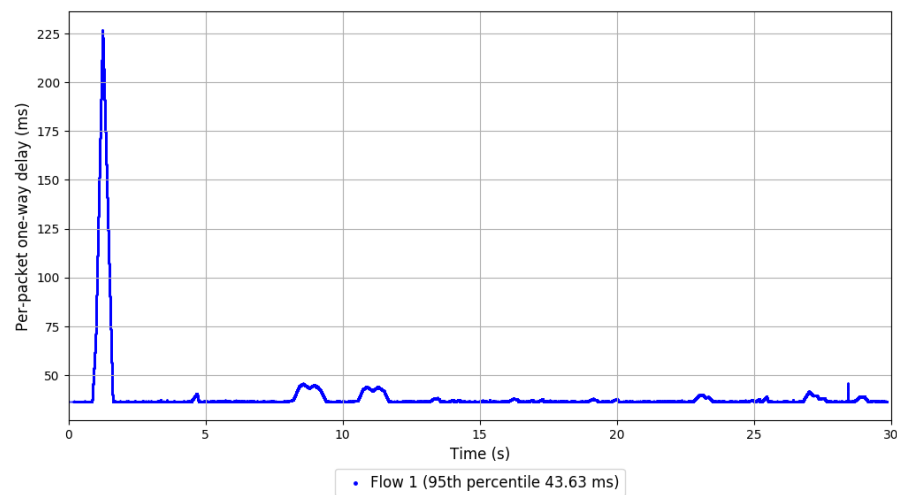
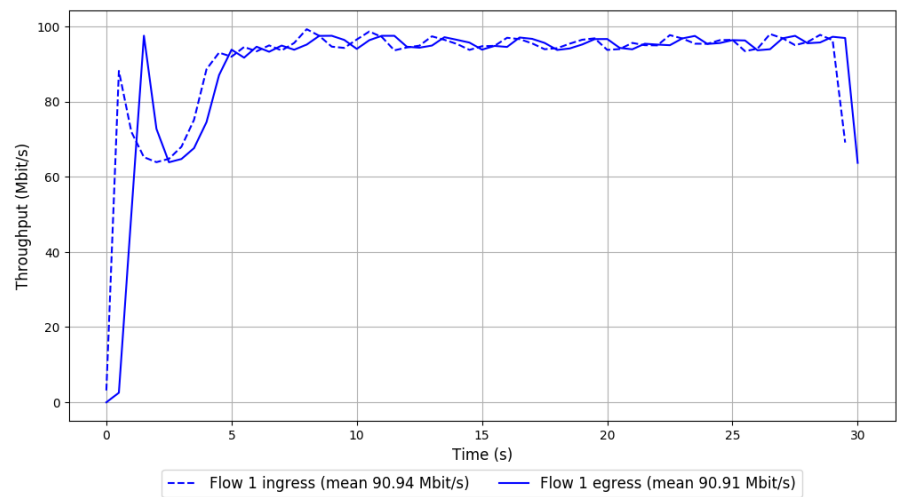
-- Flow 1:

Average throughput: 90.91 Mbit/s

95th percentile per-packet one-way delay: 43.630 ms

Loss rate: 0.25%

Run 5: Report of PCC-Allegro — Data Link

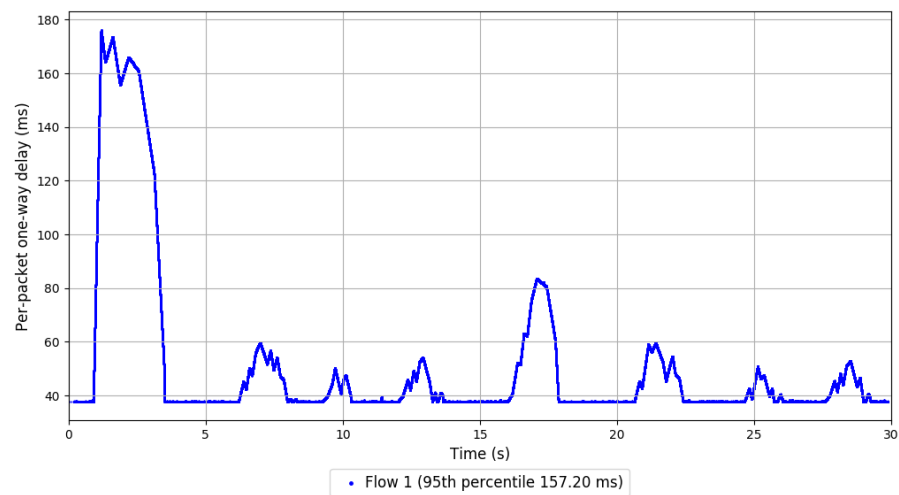
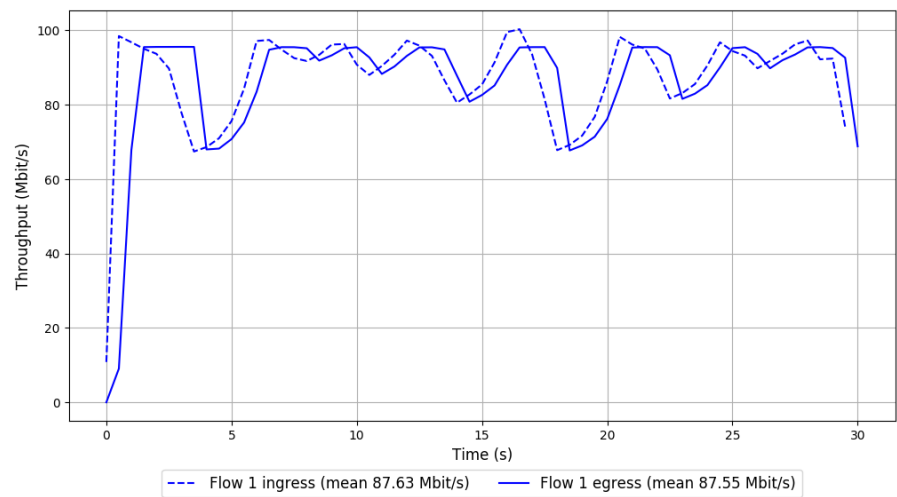


Run 1: Statistics of PCC-Expr

Start at: 2019-02-05 12:59:31
End at: 2019-02-05 13:00:01
Local clock offset: 1.522 ms
Remote clock offset: -8.079 ms

Below is generated by plot.py at 2019-02-05 15:06:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.55 Mbit/s
95th percentile per-packet one-way delay: 157.204 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 87.55 Mbit/s
95th percentile per-packet one-way delay: 157.204 ms
Loss rate: 0.31%

Run 1: Report of PCC-Expr — Data Link

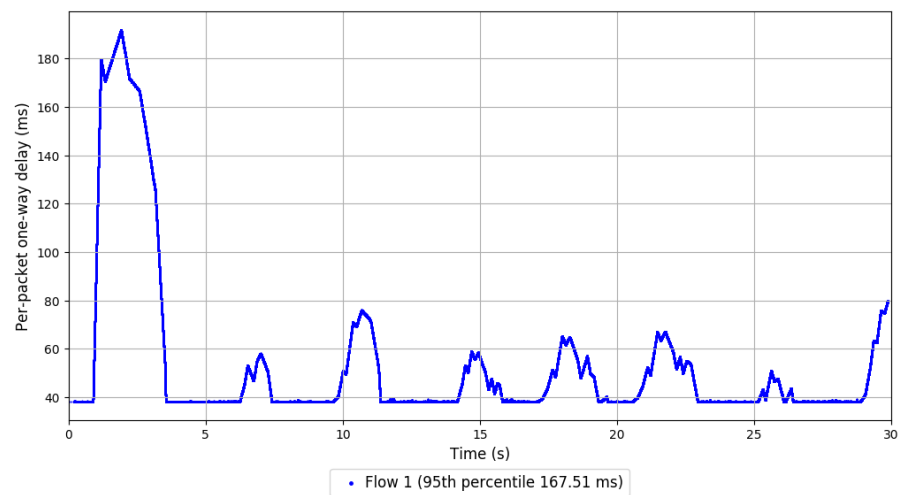
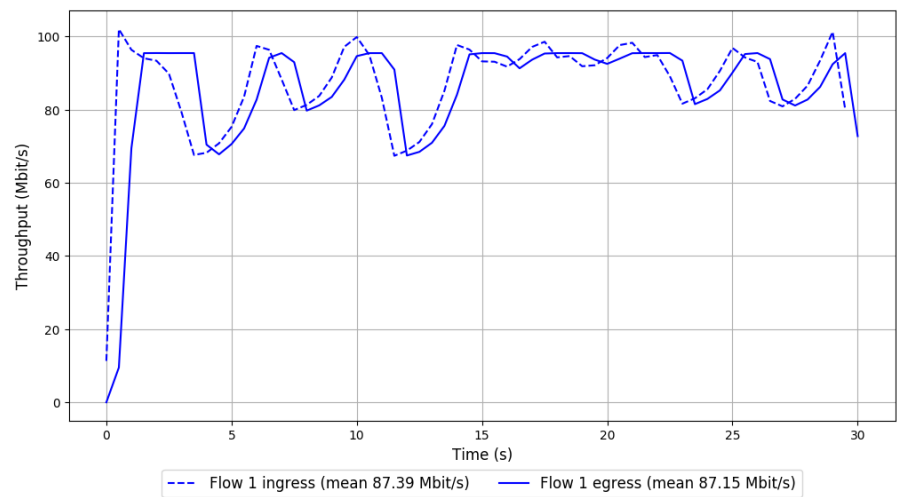


Run 2: Statistics of PCC-Expr

Start at: 2019-02-05 13:24:03
End at: 2019-02-05 13:24:33
Local clock offset: 1.233 ms
Remote clock offset: -7.224 ms

Below is generated by plot.py at 2019-02-05 15:06:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.15 Mbit/s
95th percentile per-packet one-way delay: 167.513 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 87.15 Mbit/s
95th percentile per-packet one-way delay: 167.513 ms
Loss rate: 0.49%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-02-05 13:48:34

End at: 2019-02-05 13:49:04

Local clock offset: 1.249 ms

Remote clock offset: -3.63 ms

Below is generated by plot.py at 2019-02-05 15:06:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.86 Mbit/s

95th percentile per-packet one-way delay: 155.779 ms

Loss rate: 0.27%

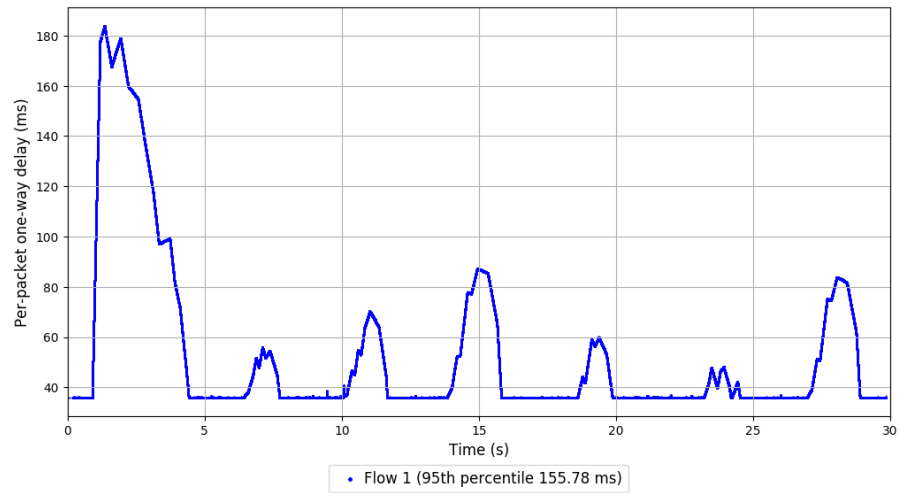
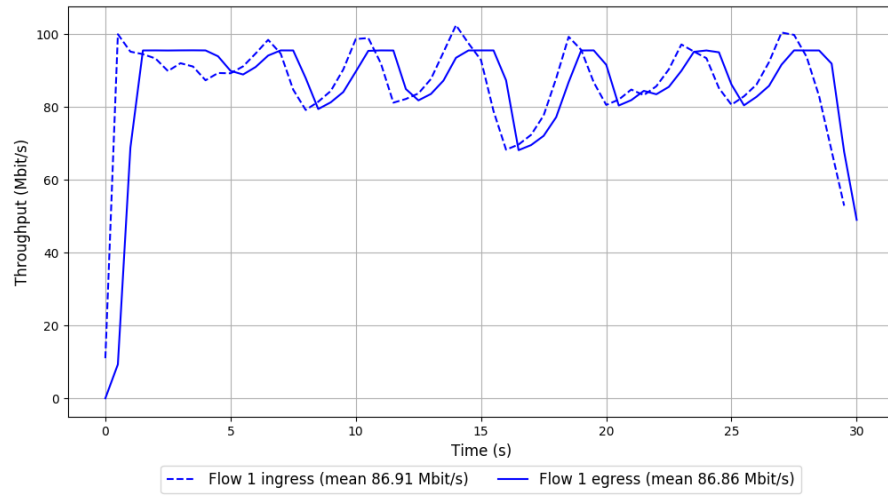
-- Flow 1:

Average throughput: 86.86 Mbit/s

95th percentile per-packet one-way delay: 155.779 ms

Loss rate: 0.27%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2019-02-05 14:13:19

End at: 2019-02-05 14:13:49

Local clock offset: 1.953 ms

Remote clock offset: -5.13 ms

Below is generated by plot.py at 2019-02-05 15:07:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.05 Mbit/s

95th percentile per-packet one-way delay: 167.497 ms

Loss rate: 0.30%

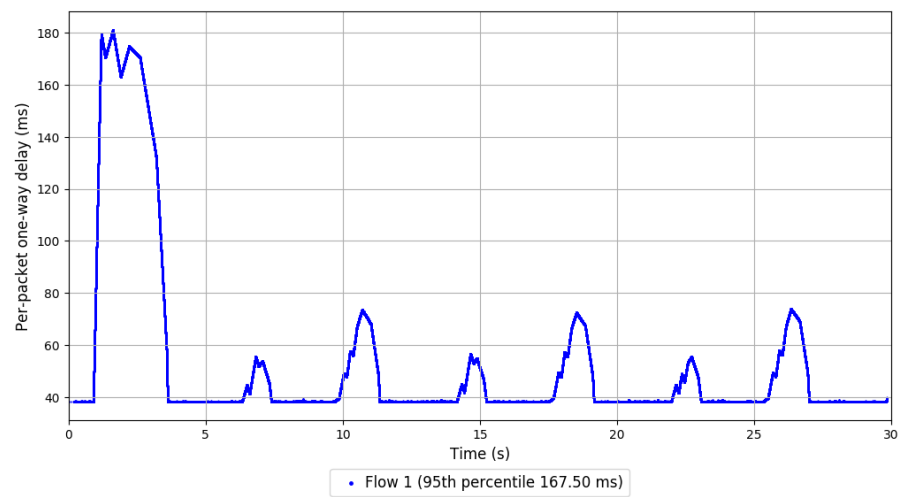
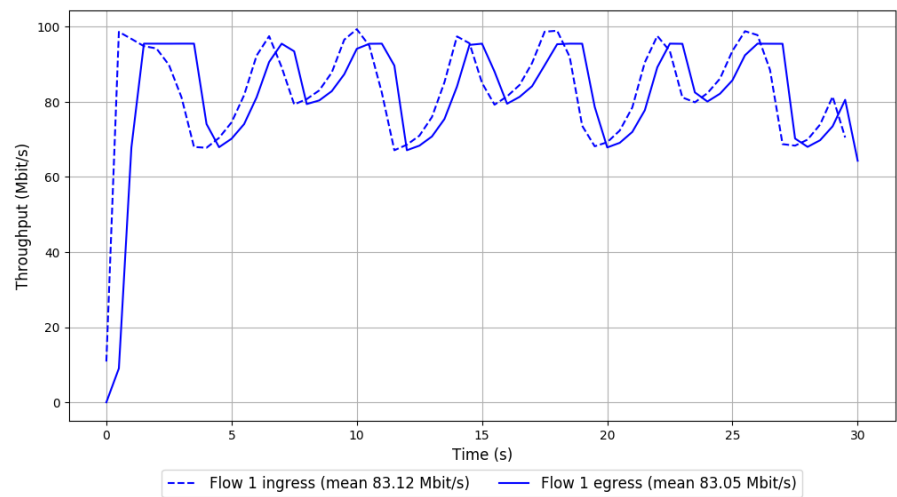
-- Flow 1:

Average throughput: 83.05 Mbit/s

95th percentile per-packet one-way delay: 167.497 ms

Loss rate: 0.30%

Run 4: Report of PCC-Expr — Data Link

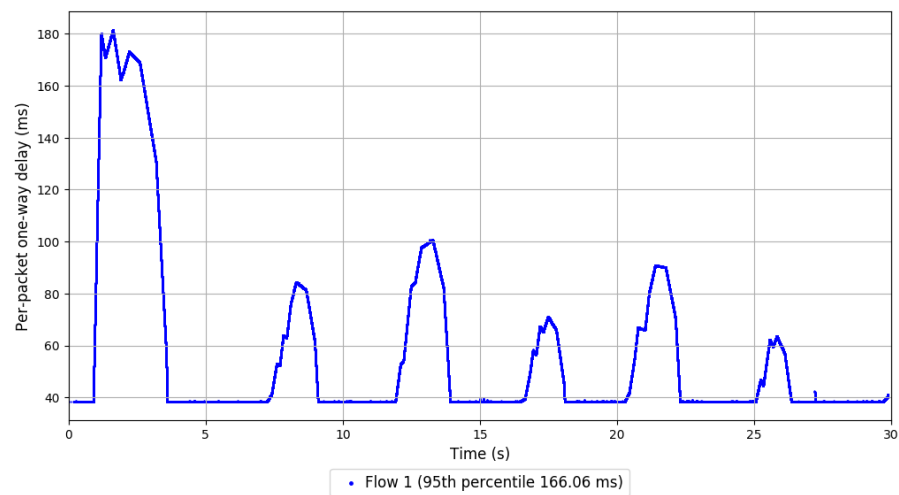
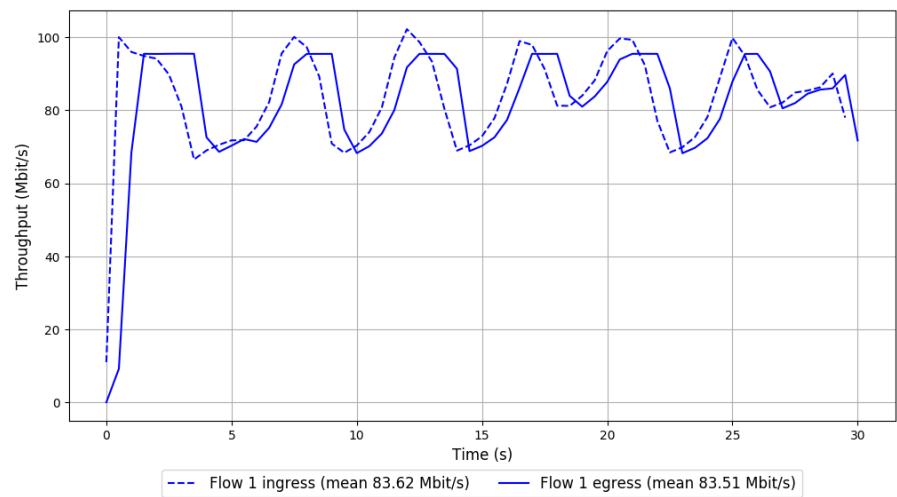


Run 5: Statistics of PCC-Expr

Start at: 2019-02-05 14:37:55
End at: 2019-02-05 14:38:25
Local clock offset: 2.318 ms
Remote clock offset: -4.932 ms

Below is generated by plot.py at 2019-02-05 15:07:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.51 Mbit/s
95th percentile per-packet one-way delay: 166.056 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 83.51 Mbit/s
95th percentile per-packet one-way delay: 166.056 ms
Loss rate: 0.34%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-02-05 12:56:02

End at: 2019-02-05 12:56:32

Local clock offset: 1.592 ms

Remote clock offset: -6.455 ms

Below is generated by plot.py at 2019-02-05 15:07:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.79 Mbit/s

95th percentile per-packet one-way delay: 53.573 ms

Loss rate: 0.29%

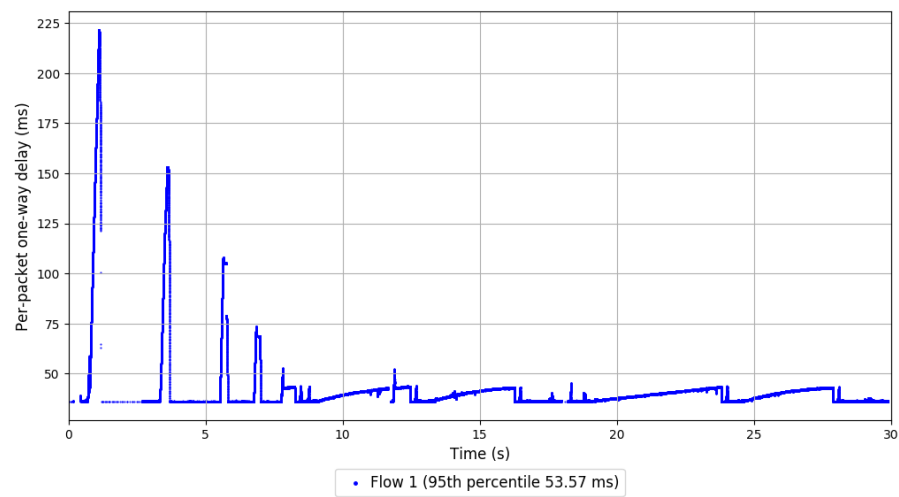
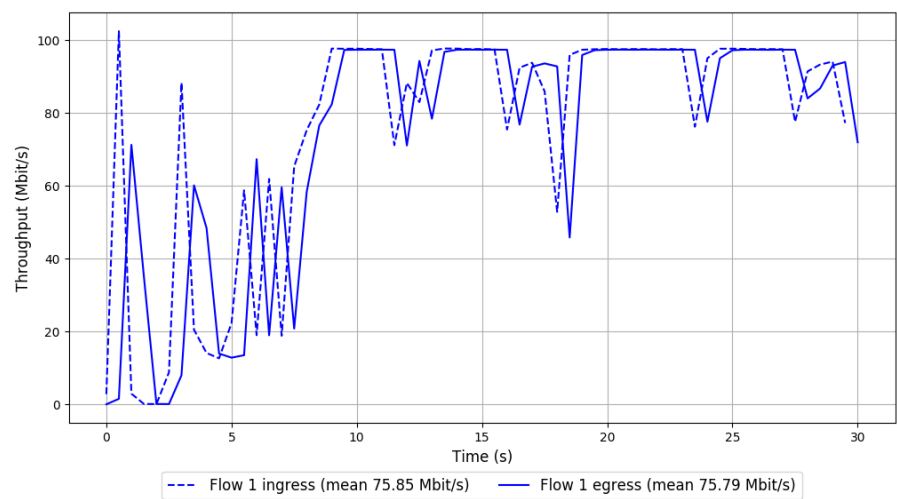
-- Flow 1:

Average throughput: 75.79 Mbit/s

95th percentile per-packet one-way delay: 53.573 ms

Loss rate: 0.29%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-02-05 13:20:33

End at: 2019-02-05 13:21:03

Local clock offset: 1.284 ms

Remote clock offset: -5.152 ms

Below is generated by plot.py at 2019-02-05 15:07:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.59 Mbit/s

95th percentile per-packet one-way delay: 55.169 ms

Loss rate: 0.38%

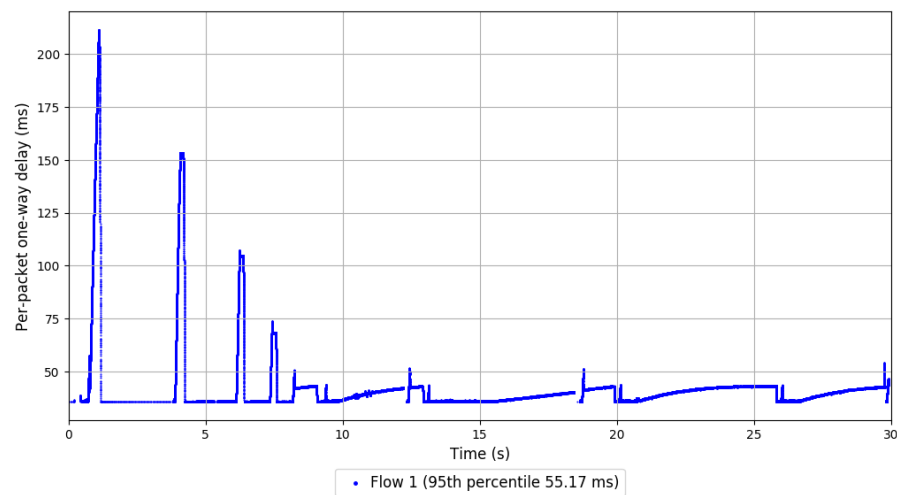
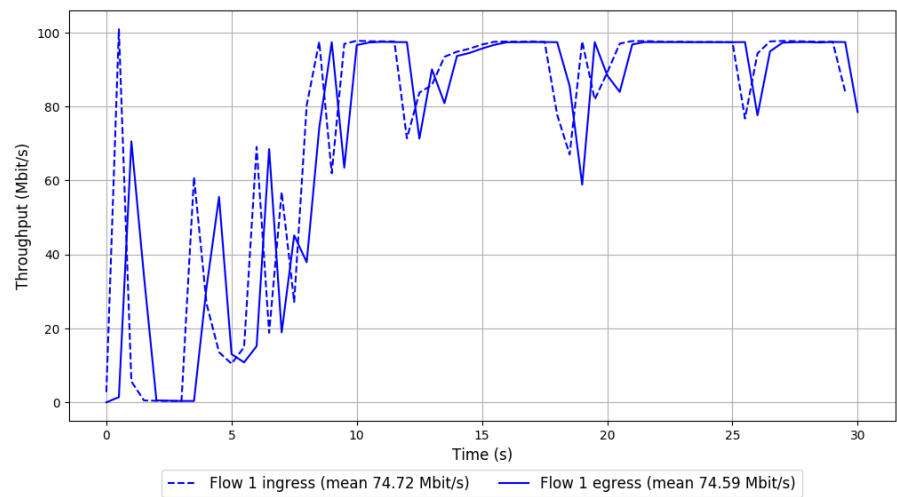
-- Flow 1:

Average throughput: 74.59 Mbit/s

95th percentile per-packet one-way delay: 55.169 ms

Loss rate: 0.38%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-02-05 13:45:04

End at: 2019-02-05 13:45:34

Local clock offset: 1.06 ms

Remote clock offset: -4.247 ms

Below is generated by plot.py at 2019-02-05 15:07:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.04 Mbit/s

95th percentile per-packet one-way delay: 43.503 ms

Loss rate: 0.10%

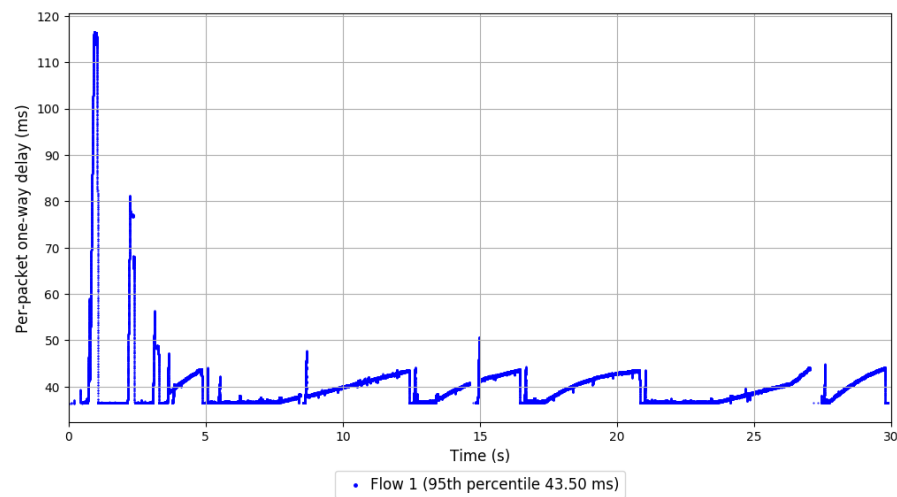
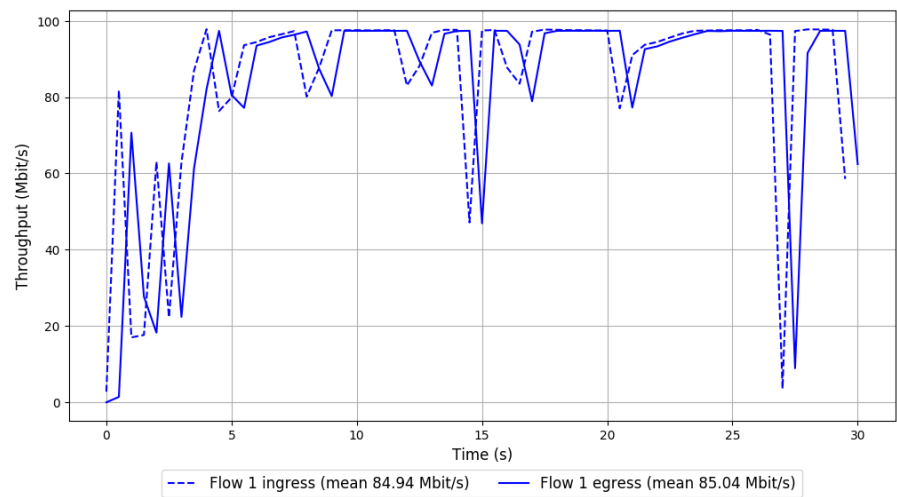
-- Flow 1:

Average throughput: 85.04 Mbit/s

95th percentile per-packet one-way delay: 43.503 ms

Loss rate: 0.10%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-02-05 14:09:42

End at: 2019-02-05 14:10:12

Local clock offset: 1.921 ms

Remote clock offset: -3.572 ms

Below is generated by plot.py at 2019-02-05 15:07:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.25 Mbit/s

95th percentile per-packet one-way delay: 52.137 ms

Loss rate: 0.28%

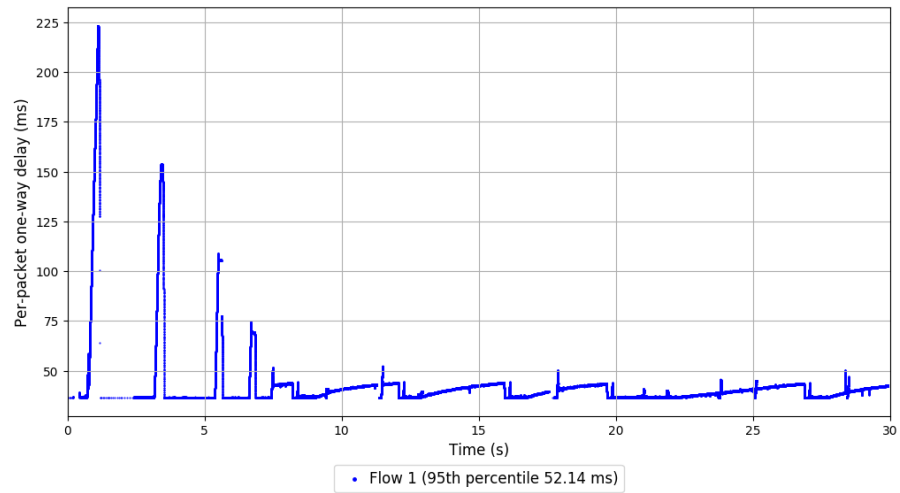
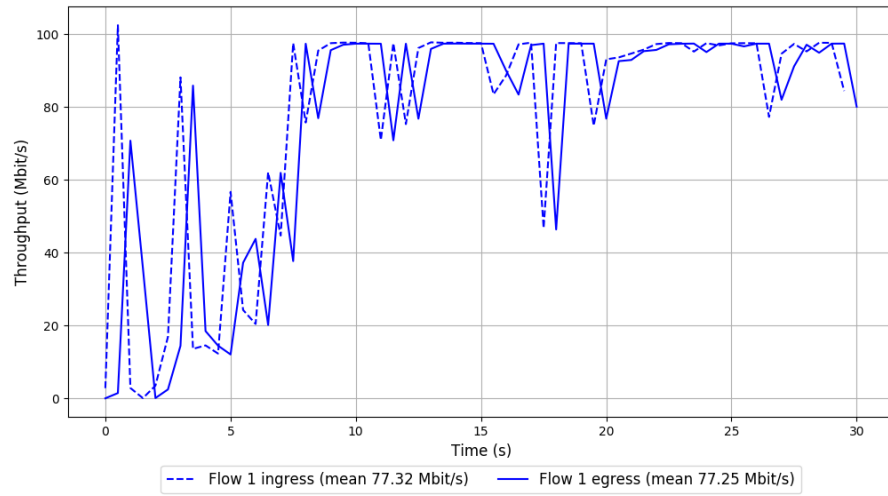
-- Flow 1:

Average throughput: 77.25 Mbit/s

95th percentile per-packet one-way delay: 52.137 ms

Loss rate: 0.28%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-02-05 14:34:25

End at: 2019-02-05 14:34:55

Local clock offset: 2.266 ms

Remote clock offset: -4.625 ms

Below is generated by plot.py at 2019-02-05 15:07:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.76 Mbit/s

95th percentile per-packet one-way delay: 56.945 ms

Loss rate: 0.28%

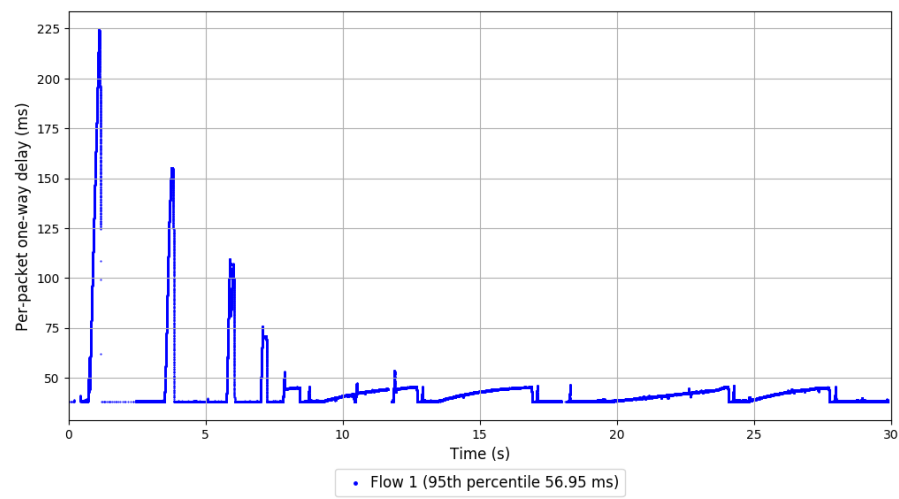
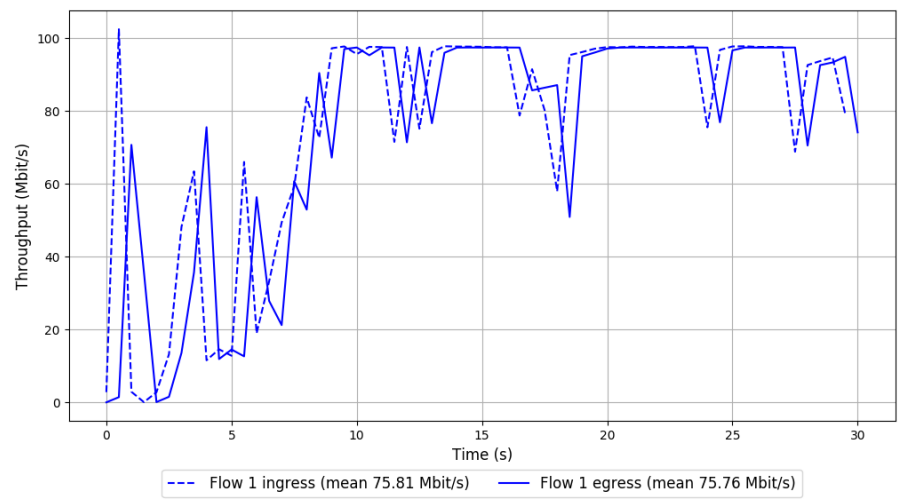
-- Flow 1:

Average throughput: 75.76 Mbit/s

95th percentile per-packet one-way delay: 56.945 ms

Loss rate: 0.28%

Run 5: Report of QUIC Cubic — Data Link

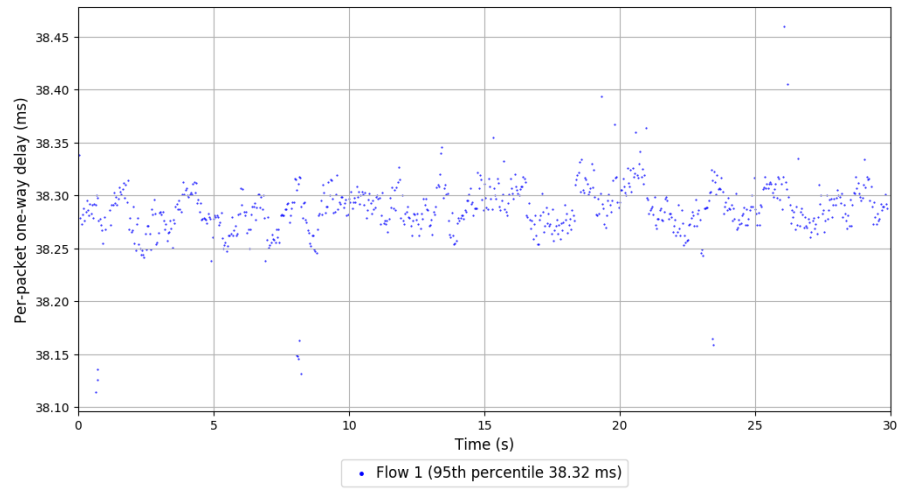
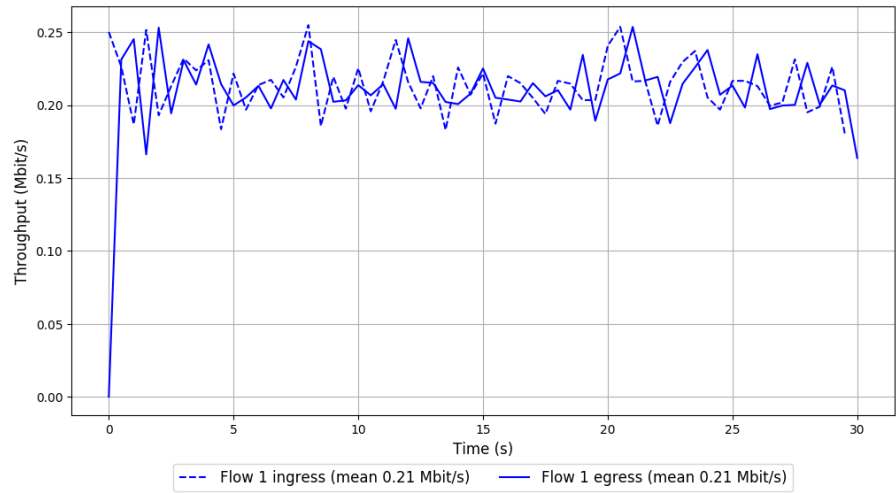


Run 1: Statistics of SCReAM

Start at: 2019-02-05 13:12:19
End at: 2019-02-05 13:12:49
Local clock offset: 1.367 ms
Remote clock offset: -7.947 ms

Below is generated by plot.py at 2019-02-05 15:07:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 38.318 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 38.318 ms
Loss rate: 0.26%

Run 1: Report of SReAM — Data Link

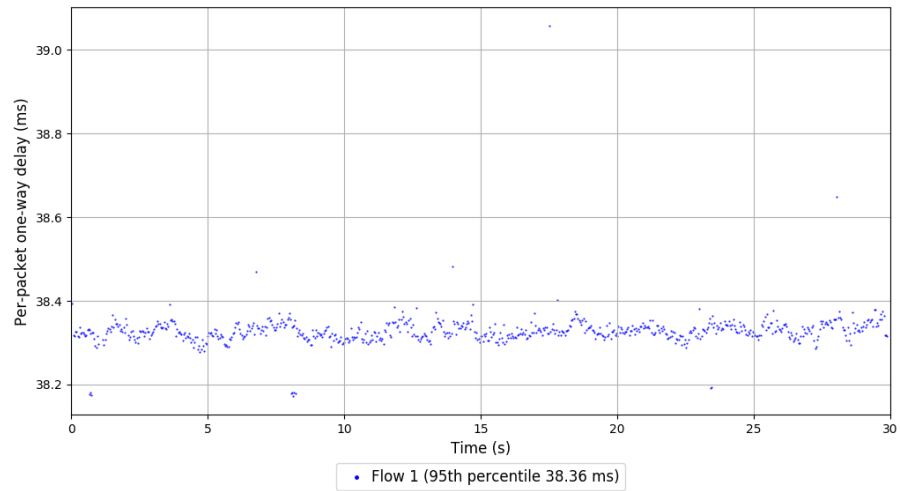
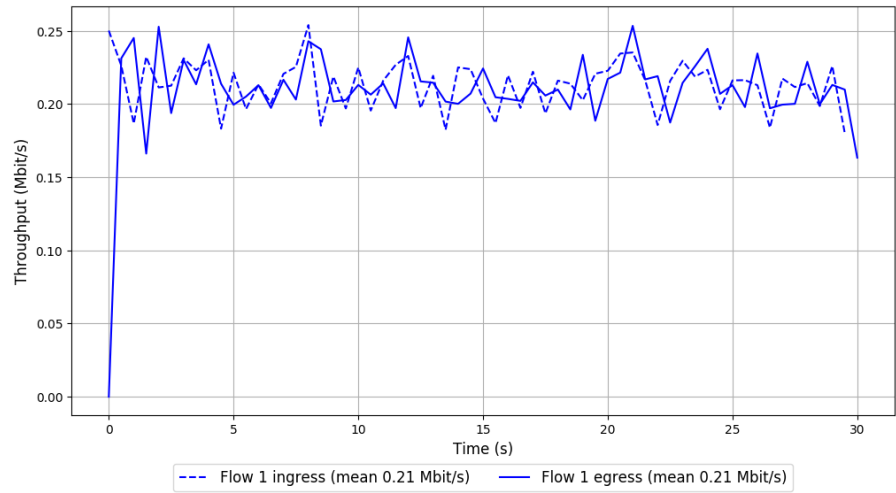


Run 2: Statistics of SCReAM

Start at: 2019-02-05 13:36:50
End at: 2019-02-05 13:37:20
Local clock offset: 1.121 ms
Remote clock offset: -6.534 ms

Below is generated by plot.py at 2019-02-05 15:07:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 38.358 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 38.358 ms
Loss rate: 0.26%

Run 2: Report of SReAM — Data Link

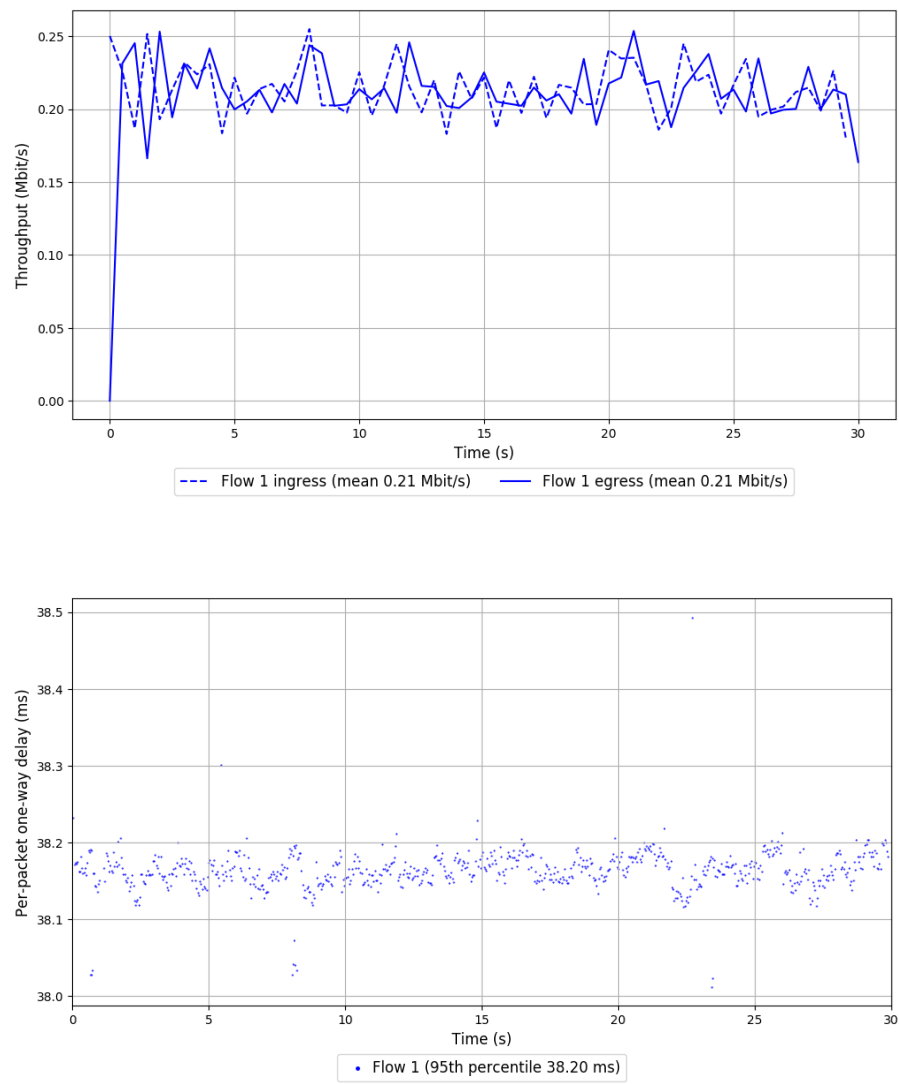


Run 3: Statistics of SCReAM

Start at: 2019-02-05 14:01:23
End at: 2019-02-05 14:01:53
Local clock offset: 1.753 ms
Remote clock offset: -5.349 ms

Below is generated by plot.py at 2019-02-05 15:07:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 38.195 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 38.195 ms
Loss rate: 0.26%

Run 3: Report of SReAM — Data Link

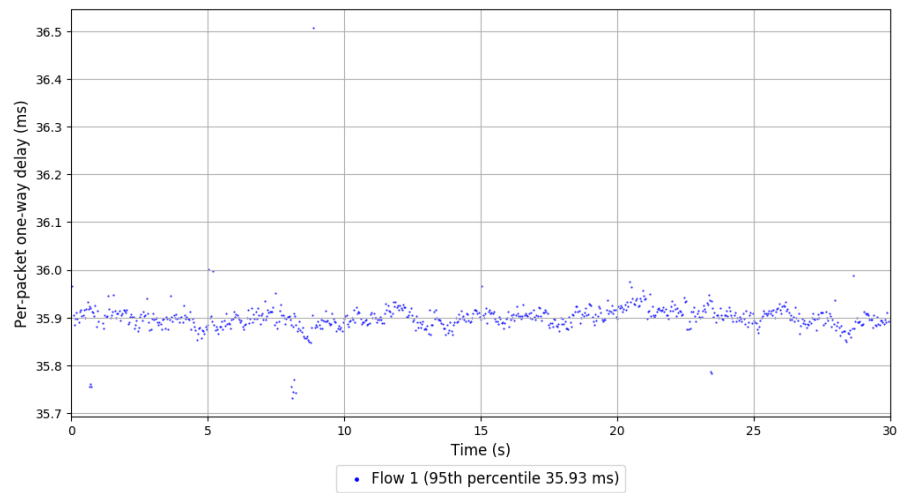
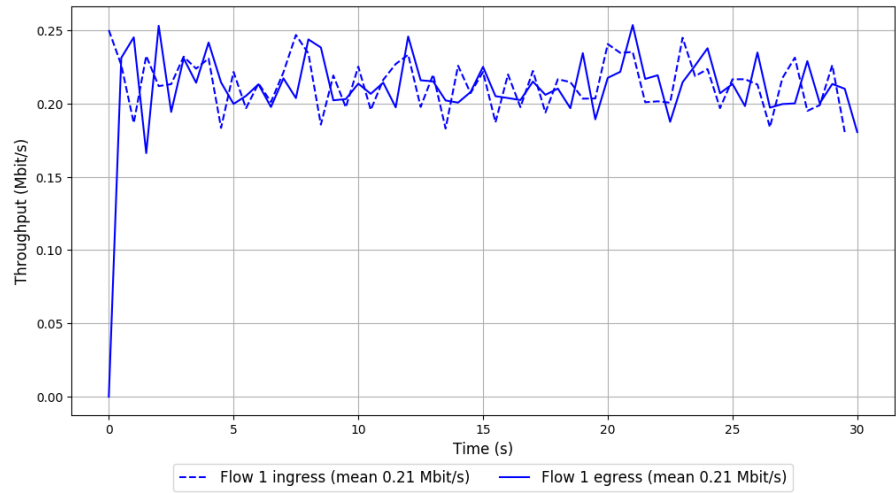


Run 4: Statistics of SCReAM

Start at: 2019-02-05 14:26:09
End at: 2019-02-05 14:26:39
Local clock offset: 2.178 ms
Remote clock offset: -2.582 ms

Below is generated by plot.py at 2019-02-05 15:07:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 35.932 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 35.932 ms
Loss rate: 0.13%

Run 4: Report of SReAM — Data Link

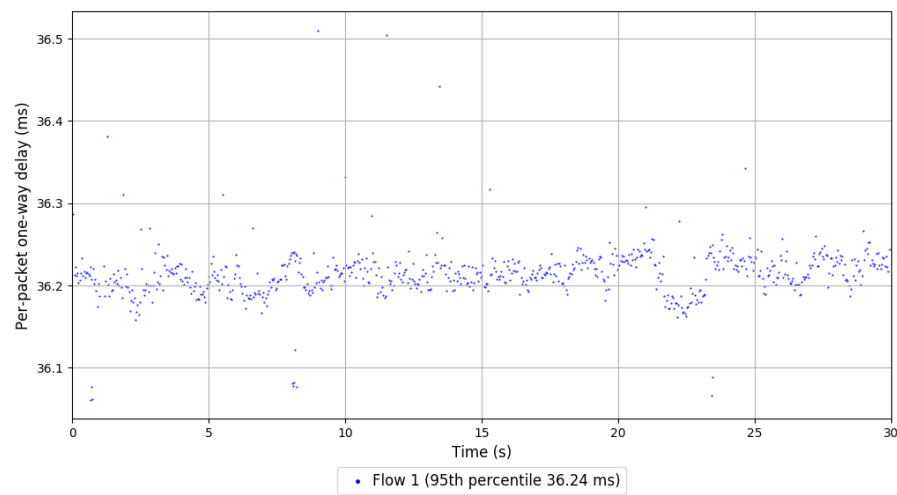
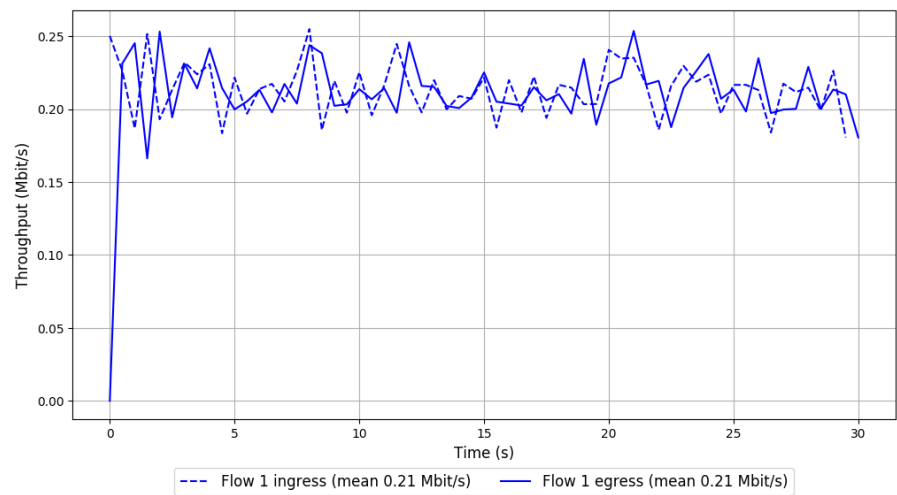


Run 5: Statistics of SCReAM

Start at: 2019-02-05 14:50:51
End at: 2019-02-05 14:51:21
Local clock offset: 2.091 ms
Remote clock offset: -2.453 ms

Below is generated by plot.py at 2019-02-05 15:07:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 36.245 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 36.245 ms
Loss rate: 0.13%

Run 5: Report of SReAM — Data Link

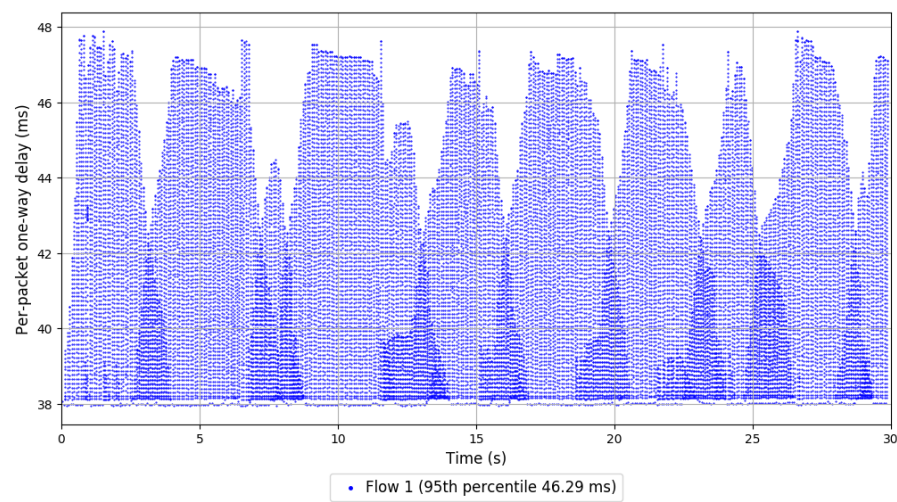
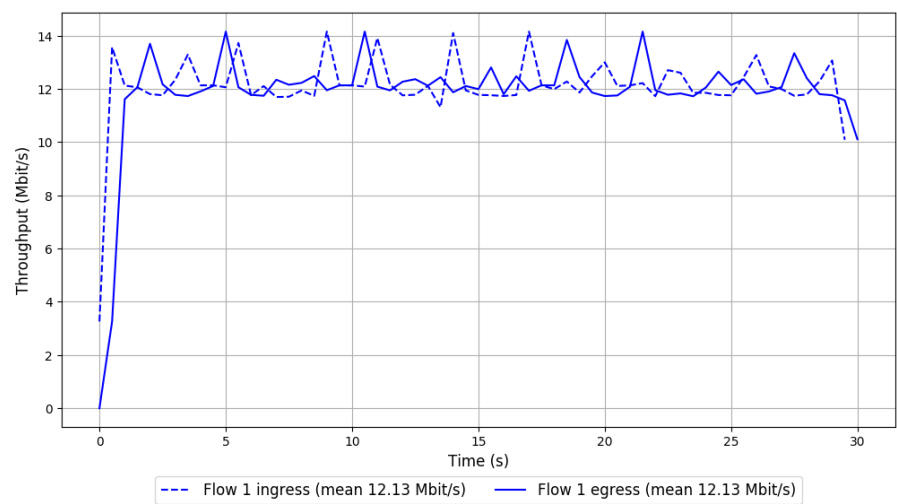


Run 1: Statistics of Sprout

Start at: 2019-02-05 13:04:14
End at: 2019-02-05 13:04:44
Local clock offset: 1.438 ms
Remote clock offset: -8.228 ms

Below is generated by plot.py at 2019-02-05 15:07:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.13 Mbit/s
95th percentile per-packet one-way delay: 46.289 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 12.13 Mbit/s
95th percentile per-packet one-way delay: 46.289 ms
Loss rate: 0.28%

Run 1: Report of Sprout — Data Link

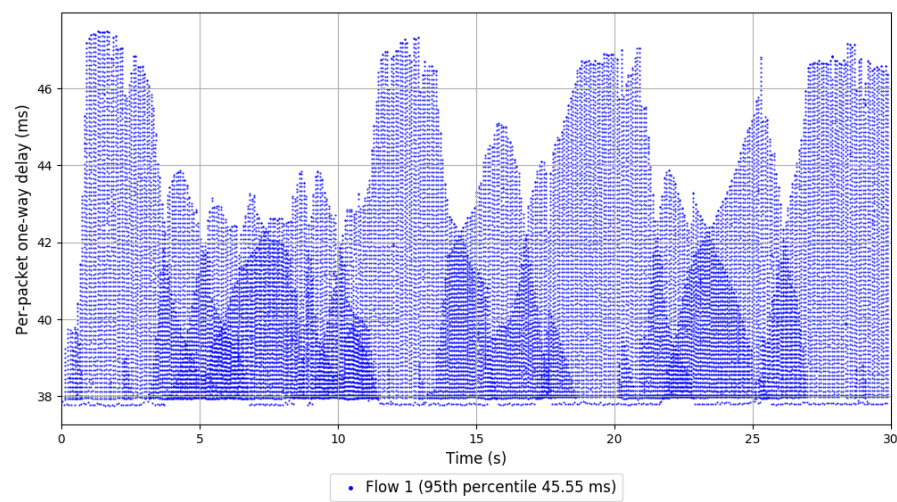
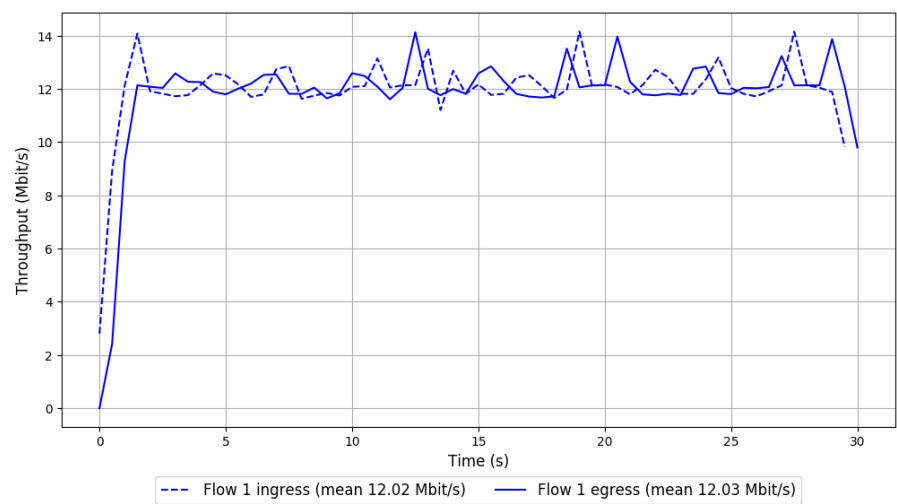


Run 2: Statistics of Sprout

Start at: 2019-02-05 13:28:46
End at: 2019-02-05 13:29:16
Local clock offset: 1.205 ms
Remote clock offset: -6.558 ms

Below is generated by plot.py at 2019-02-05 15:07:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.03 Mbit/s
95th percentile per-packet one-way delay: 45.550 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.03 Mbit/s
95th percentile per-packet one-way delay: 45.550 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2019-02-05 13:53:18

End at: 2019-02-05 13:53:48

Local clock offset: 1.513 ms

Remote clock offset: -5.92 ms

Below is generated by plot.py at 2019-02-05 15:07:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.01 Mbit/s

95th percentile per-packet one-way delay: 45.741 ms

Loss rate: 0.18%

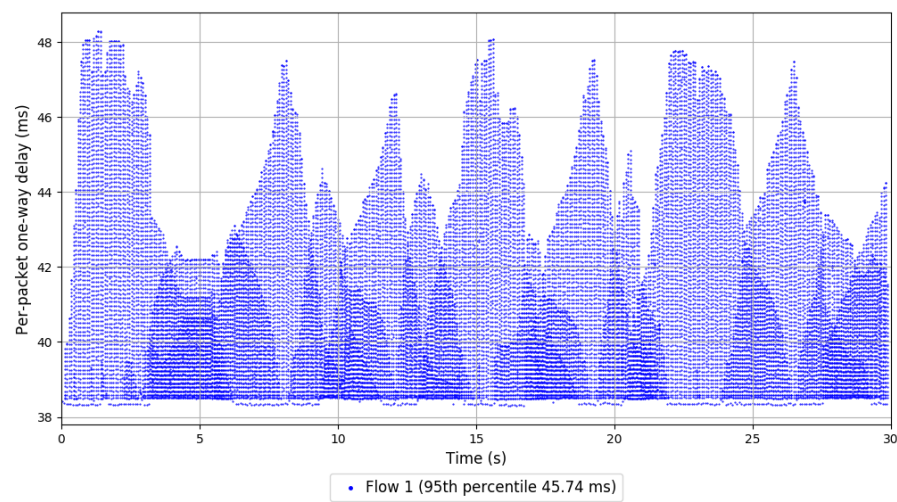
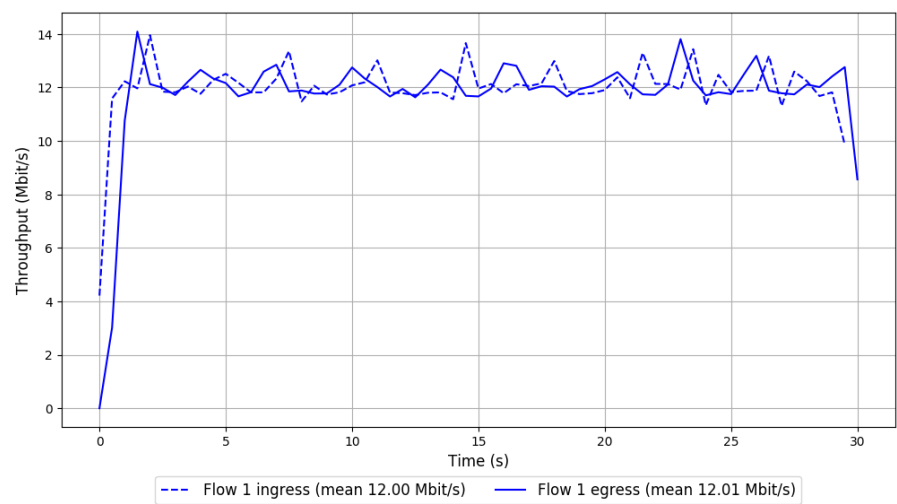
-- Flow 1:

Average throughput: 12.01 Mbit/s

95th percentile per-packet one-way delay: 45.741 ms

Loss rate: 0.18%

Run 3: Report of Sprout — Data Link

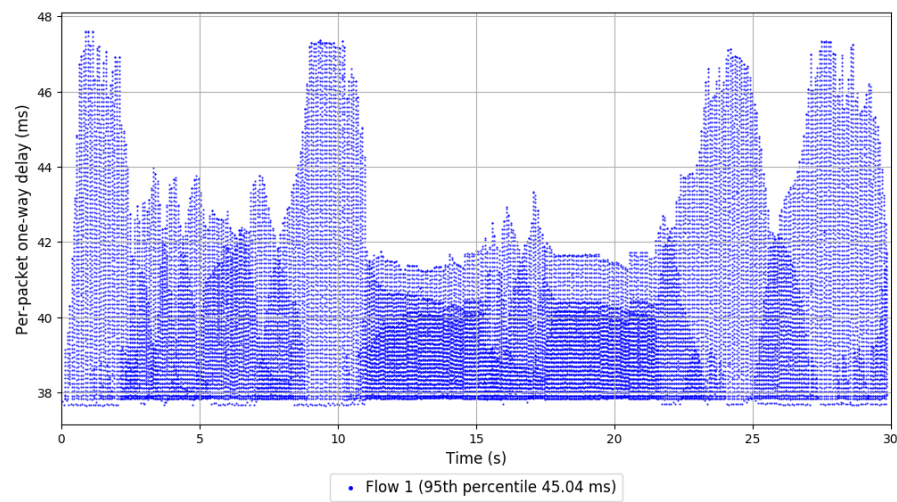
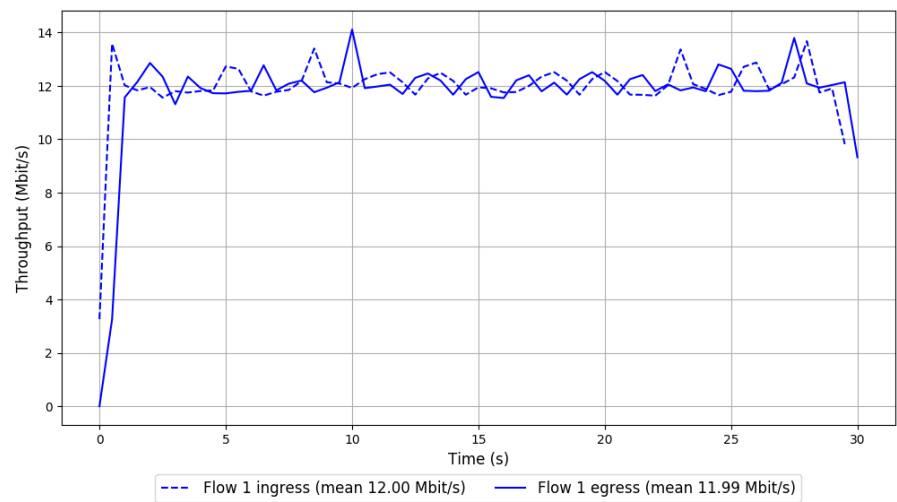


Run 4: Statistics of Sprout

Start at: 2019-02-05 14:18:03
End at: 2019-02-05 14:18:33
Local clock offset: 2.035 ms
Remote clock offset: -4.567 ms

Below is generated by plot.py at 2019-02-05 15:07:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.99 Mbit/s
95th percentile per-packet one-way delay: 45.038 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 11.99 Mbit/s
95th percentile per-packet one-way delay: 45.038 ms
Loss rate: 0.27%

Run 4: Report of Sprout — Data Link

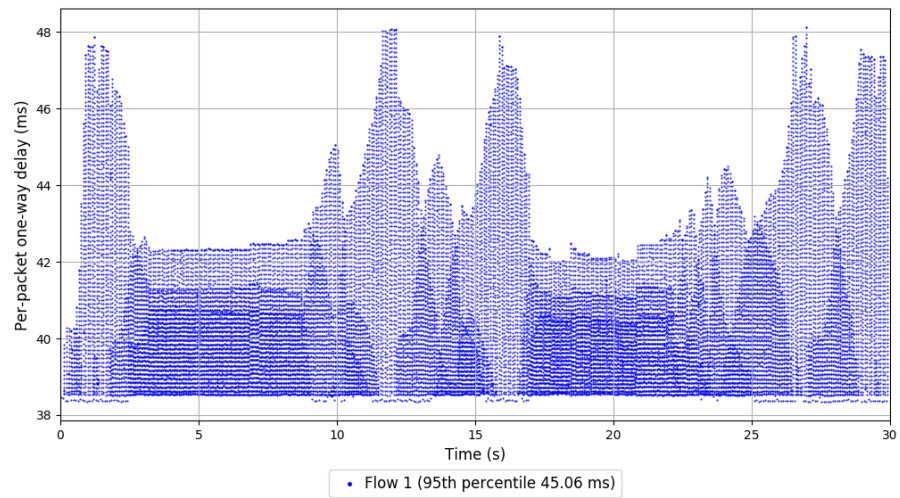
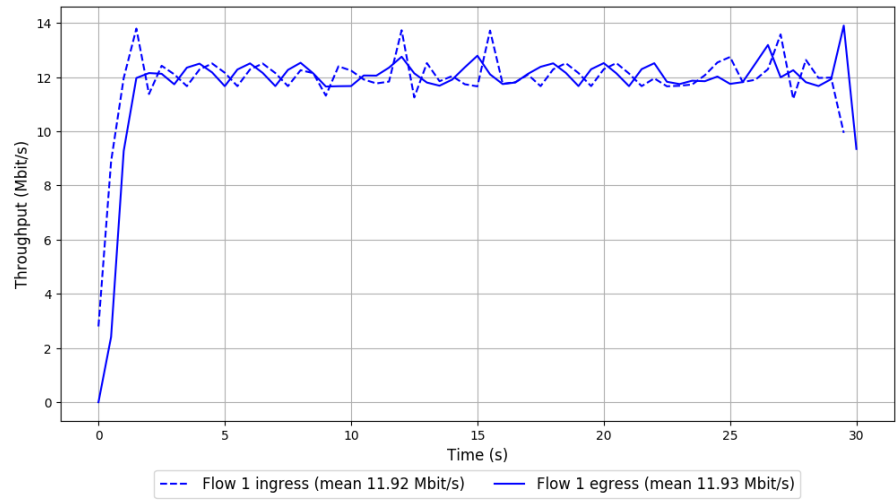


Run 5: Statistics of Sprout

Start at: 2019-02-05 14:42:44
End at: 2019-02-05 14:43:14
Local clock offset: 2.356 ms
Remote clock offset: -4.844 ms

Below is generated by plot.py at 2019-02-05 15:07:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.93 Mbit/s
95th percentile per-packet one-way delay: 45.060 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 11.93 Mbit/s
95th percentile per-packet one-way delay: 45.060 ms
Loss rate: 0.10%

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2019-02-05 12:52:28

End at: 2019-02-05 12:52:58

Local clock offset: 1.688 ms

Remote clock offset: -6.382 ms

Below is generated by plot.py at 2019-02-05 15:09:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.11 Mbit/s

95th percentile per-packet one-way delay: 47.216 ms

Loss rate: 0.27%

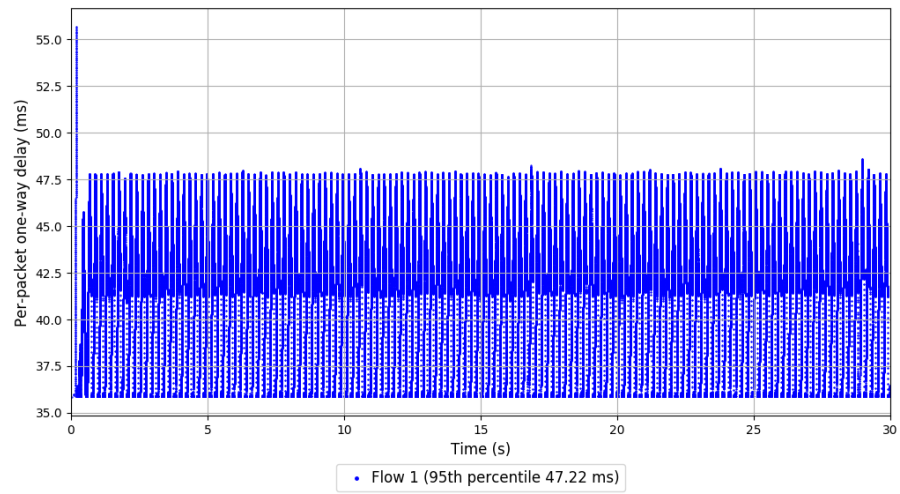
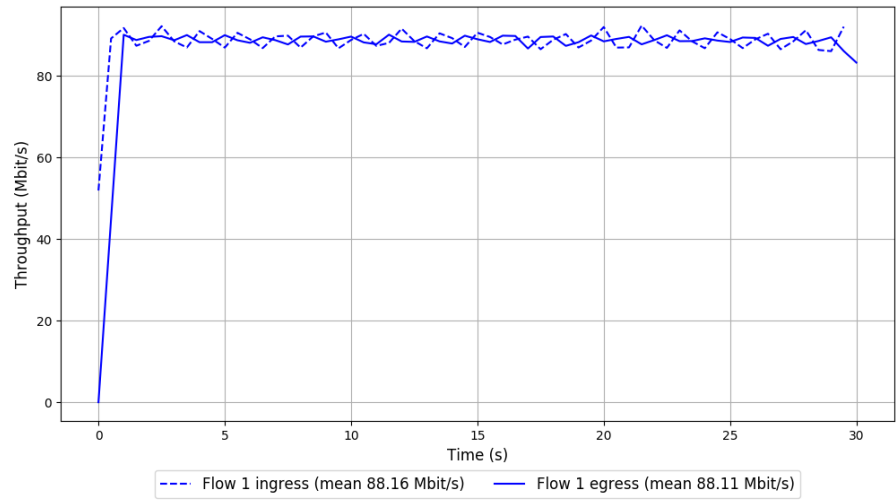
-- Flow 1:

Average throughput: 88.11 Mbit/s

95th percentile per-packet one-way delay: 47.216 ms

Loss rate: 0.27%

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



Run 2: Statistics of TaoVA-100x

Start at: 2019-02-05 13:16:58

End at: 2019-02-05 13:17:28

Local clock offset: 1.348 ms

Remote clock offset: -7.654 ms

Below is generated by plot.py at 2019-02-05 15:09:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.11 Mbit/s

95th percentile per-packet one-way delay: 49.725 ms

Loss rate: 0.23%

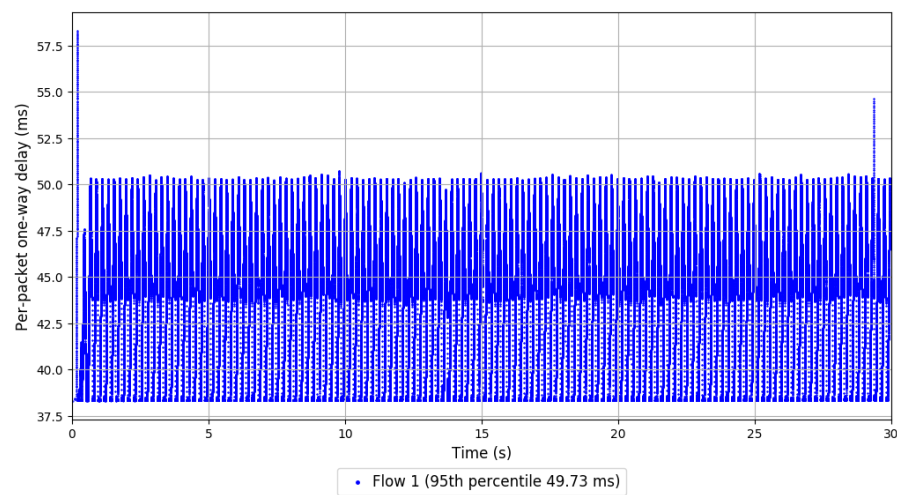
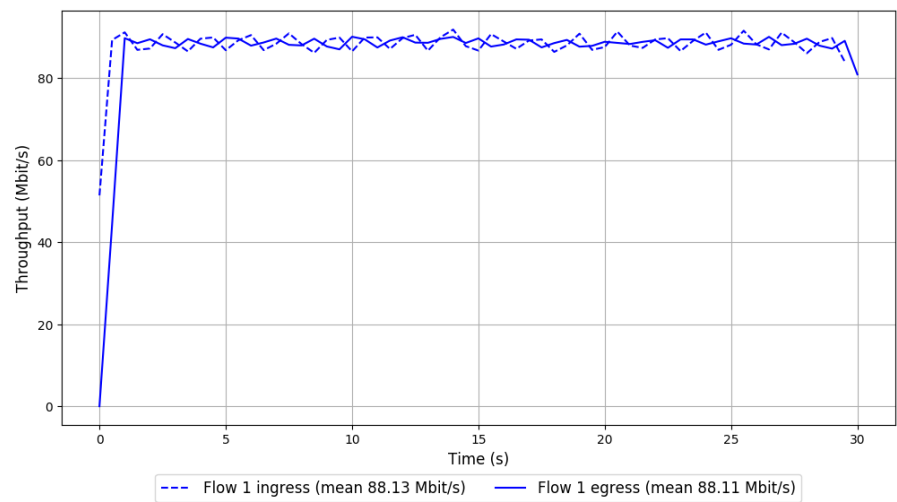
-- Flow 1:

Average throughput: 88.11 Mbit/s

95th percentile per-packet one-way delay: 49.725 ms

Loss rate: 0.23%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-02-05 13:41:30

End at: 2019-02-05 13:42:00

Local clock offset: 1.083 ms

Remote clock offset: -6.639 ms

Below is generated by plot.py at 2019-02-05 15:09:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.30 Mbit/s

95th percentile per-packet one-way delay: 49.908 ms

Loss rate: 0.20%

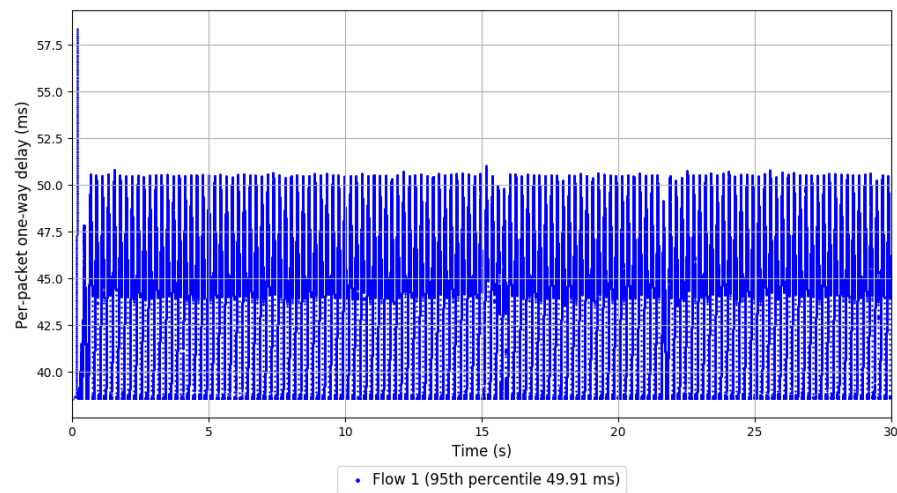
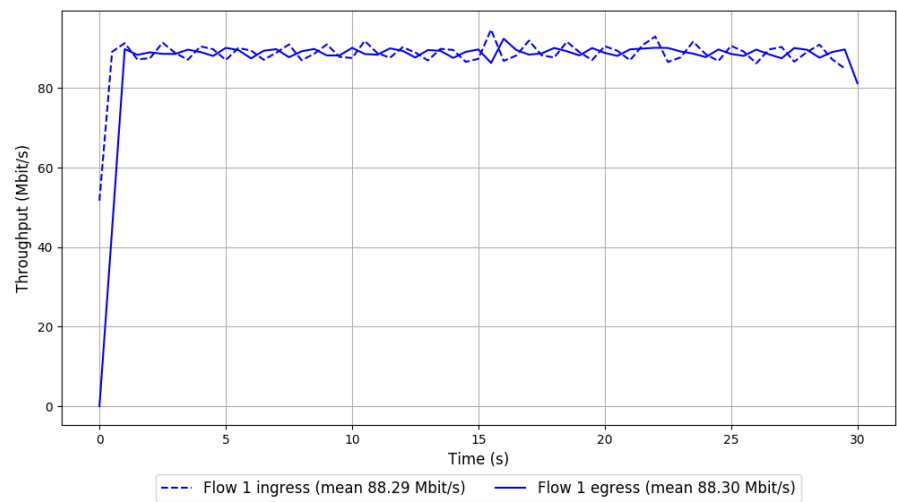
-- Flow 1:

Average throughput: 88.30 Mbit/s

95th percentile per-packet one-way delay: 49.908 ms

Loss rate: 0.20%

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-02-05 14:06:07

End at: 2019-02-05 14:06:37

Local clock offset: 1.861 ms

Remote clock offset: -3.677 ms

Below is generated by plot.py at 2019-02-05 15:09:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.57 Mbit/s

95th percentile per-packet one-way delay: 47.936 ms

Loss rate: 0.23%

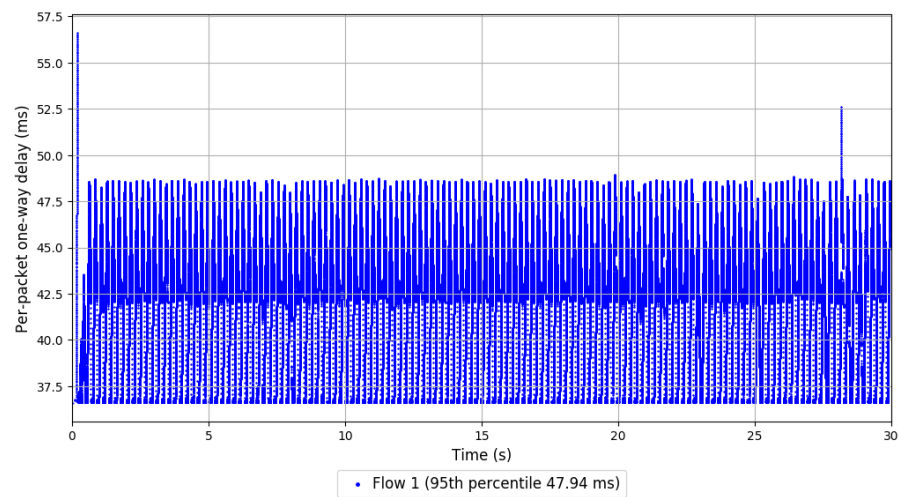
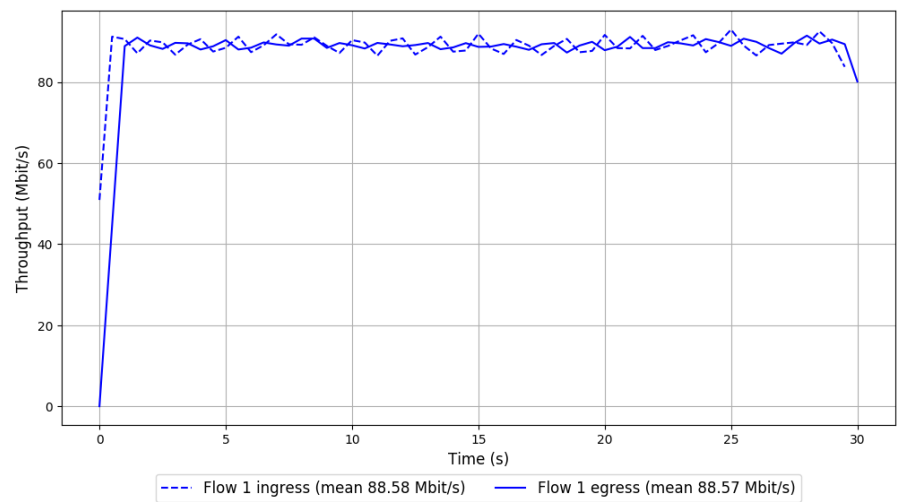
-- Flow 1:

Average throughput: 88.57 Mbit/s

95th percentile per-packet one-way delay: 47.936 ms

Loss rate: 0.23%

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



Run 5: Statistics of TaoVA-100x

Start at: 2019-02-05 14:30:50

End at: 2019-02-05 14:31:20

Local clock offset: 2.251 ms

Remote clock offset: -2.539 ms

Below is generated by plot.py at 2019-02-05 15:09:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.60 Mbit/s

95th percentile per-packet one-way delay: 47.160 ms

Loss rate: 0.21%

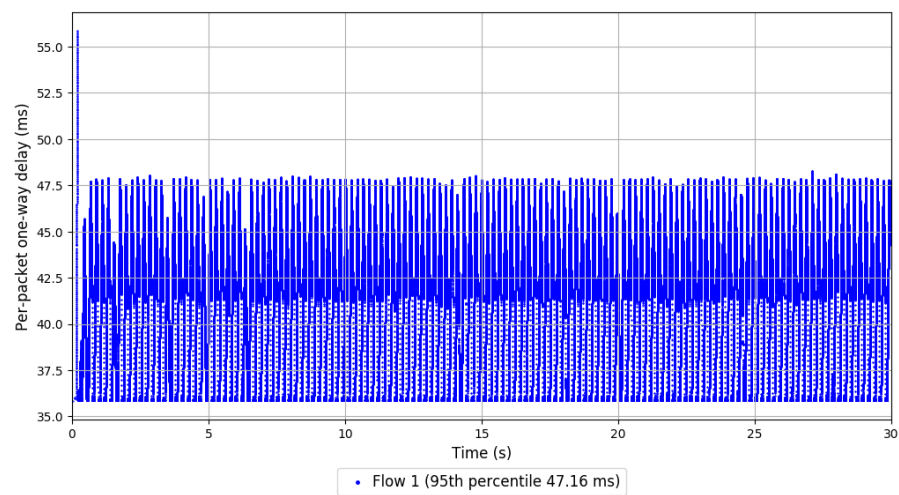
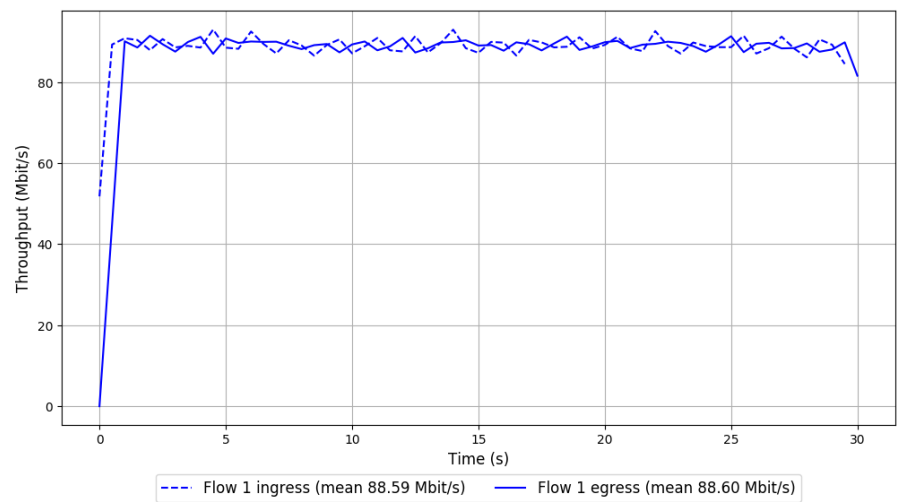
-- Flow 1:

Average throughput: 88.60 Mbit/s

95th percentile per-packet one-way delay: 47.160 ms

Loss rate: 0.21%

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



Run 1: Statistics of TCP Vegas

Start at: 2019-02-05 12:57:11

End at: 2019-02-05 12:57:41

Local clock offset: 1.544 ms

Remote clock offset: -6.32 ms

Below is generated by plot.py at 2019-02-05 15:09:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.03 Mbit/s

95th percentile per-packet one-way delay: 37.324 ms

Loss rate: 0.28%

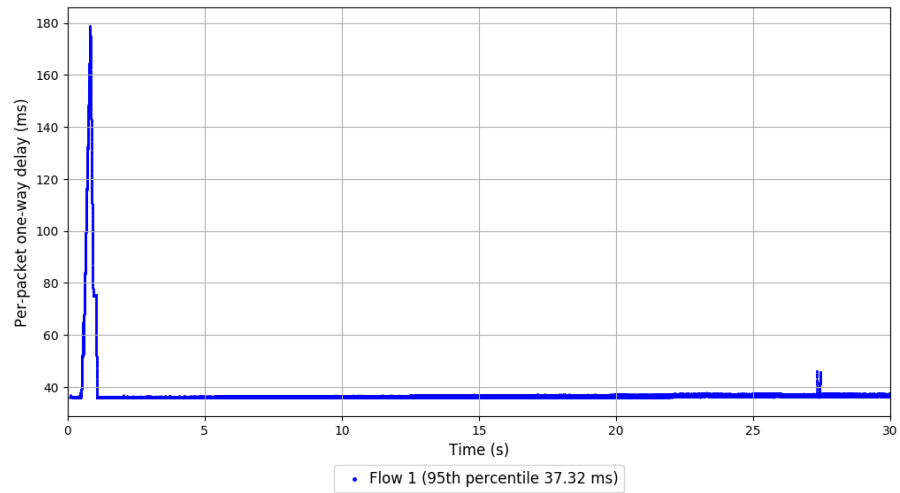
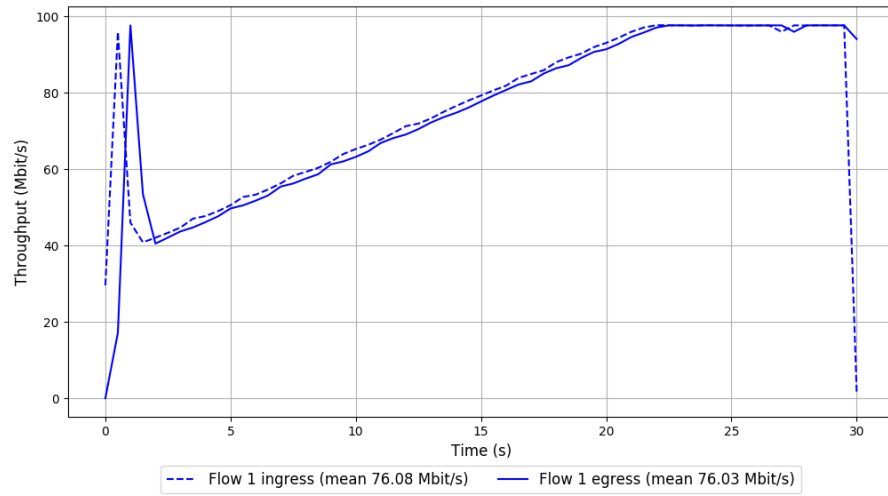
-- Flow 1:

Average throughput: 76.03 Mbit/s

95th percentile per-packet one-way delay: 37.324 ms

Loss rate: 0.28%

Run 1: Report of TCP Vegas — Data Link

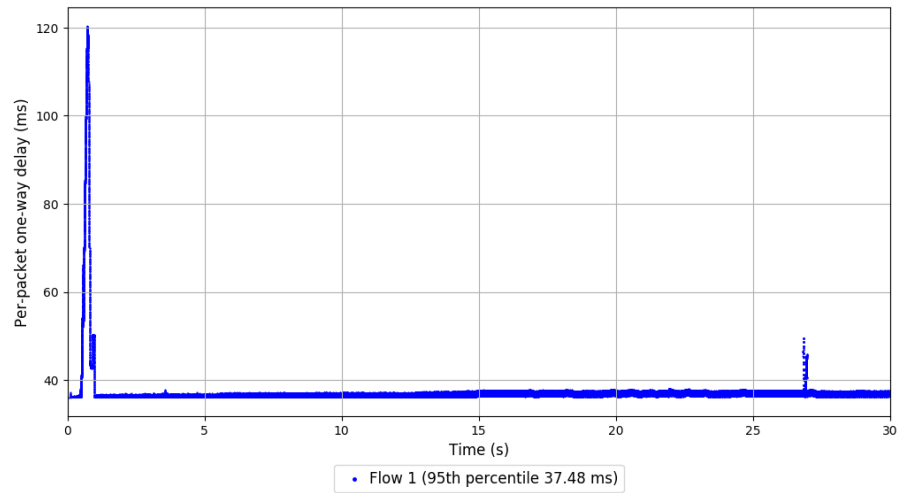
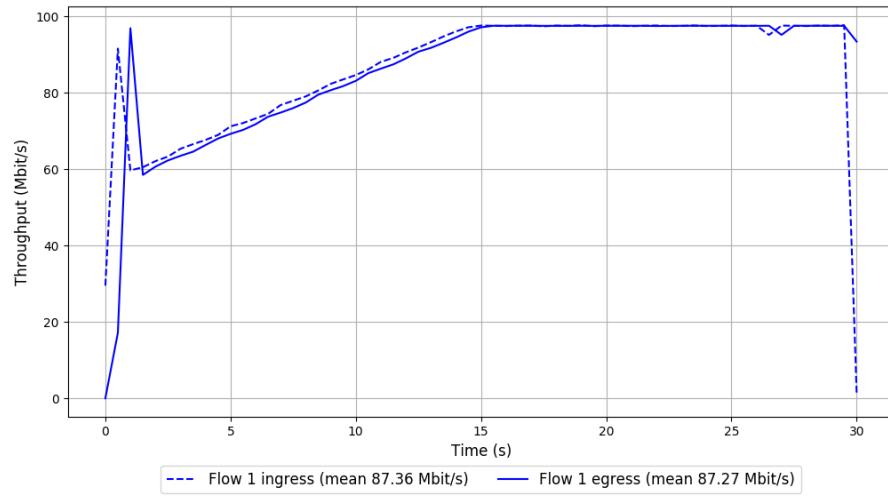


Run 2: Statistics of TCP Vegas

Start at: 2019-02-05 13:21:42
End at: 2019-02-05 13:22:12
Local clock offset: 1.27 ms
Remote clock offset: -5.211 ms

Below is generated by plot.py at 2019-02-05 15:09:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.27 Mbit/s
95th percentile per-packet one-way delay: 37.484 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 87.27 Mbit/s
95th percentile per-packet one-way delay: 37.484 ms
Loss rate: 0.31%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2019-02-05 13:46:14

End at: 2019-02-05 13:46:44

Local clock offset: 1.096 ms

Remote clock offset: -5.82 ms

Below is generated by plot.py at 2019-02-05 15:09:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.84 Mbit/s

95th percentile per-packet one-way delay: 39.403 ms

Loss rate: 0.55%

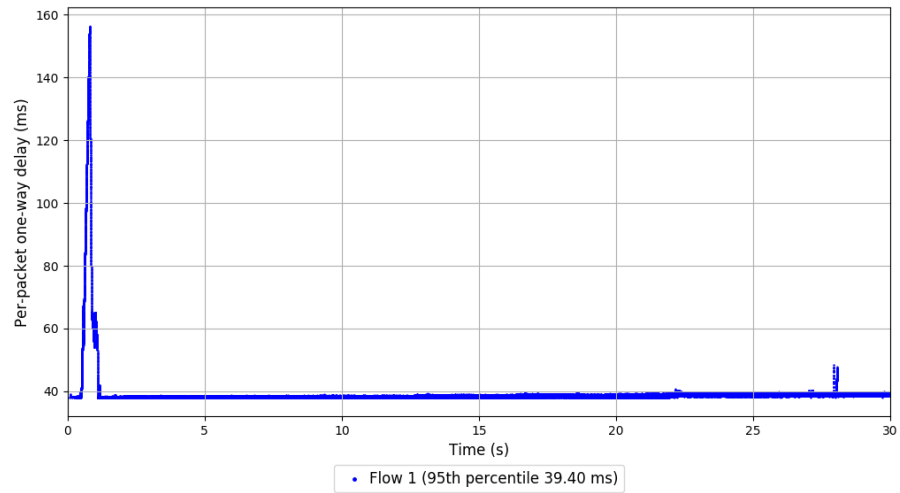
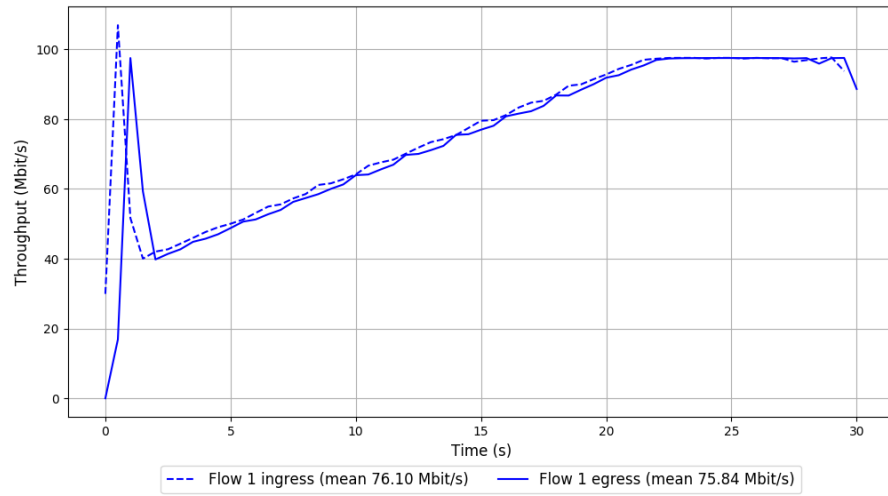
-- Flow 1:

Average throughput: 75.84 Mbit/s

95th percentile per-packet one-way delay: 39.403 ms

Loss rate: 0.55%

Run 3: Report of TCP Vegas — Data Link

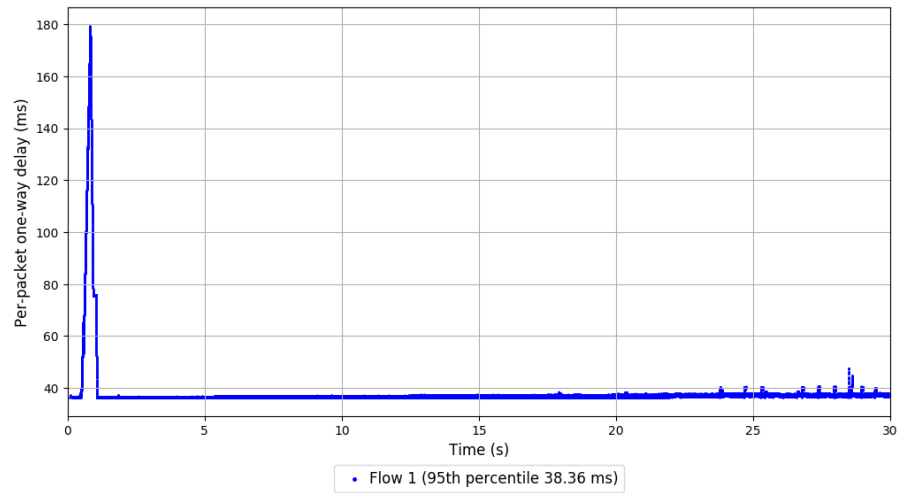
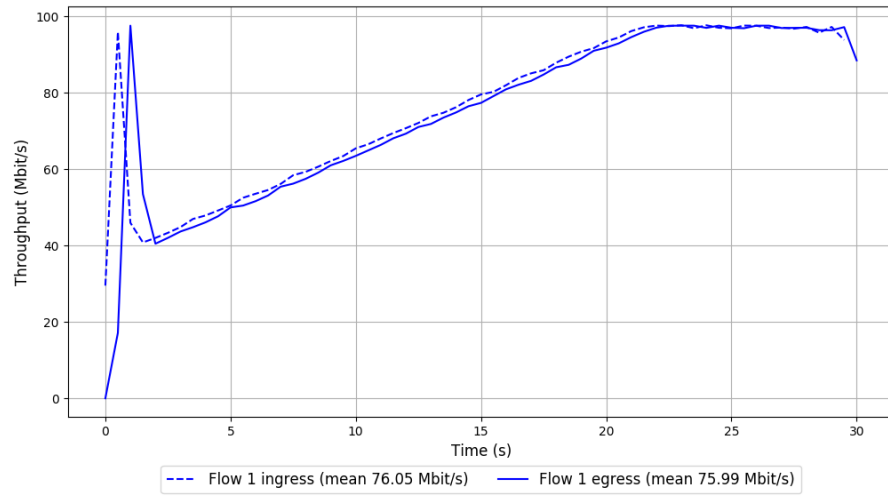


Run 4: Statistics of TCP Vegas

Start at: 2019-02-05 14:10:59
End at: 2019-02-05 14:11:29
Local clock offset: 1.918 ms
Remote clock offset: -3.268 ms

Below is generated by plot.py at 2019-02-05 15:09:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.99 Mbit/s
95th percentile per-packet one-way delay: 38.361 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 75.99 Mbit/s
95th percentile per-packet one-way delay: 38.361 ms
Loss rate: 0.28%

Run 4: Report of TCP Vegas — Data Link

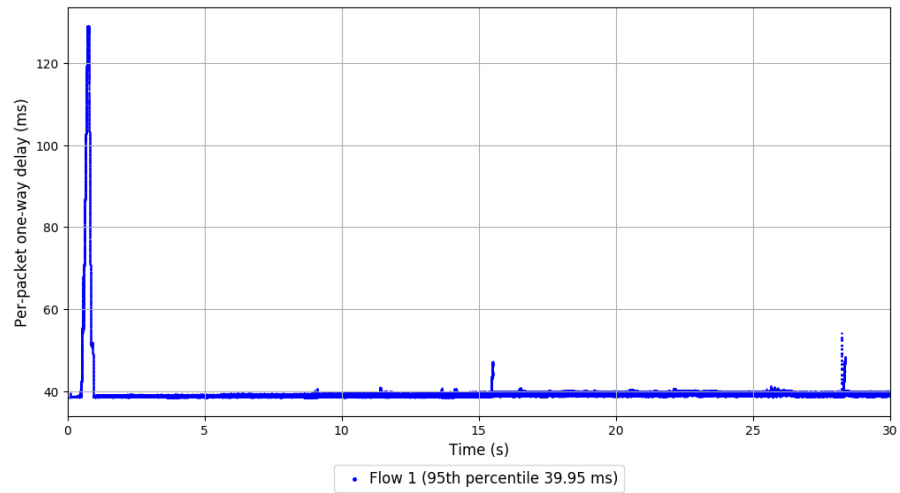
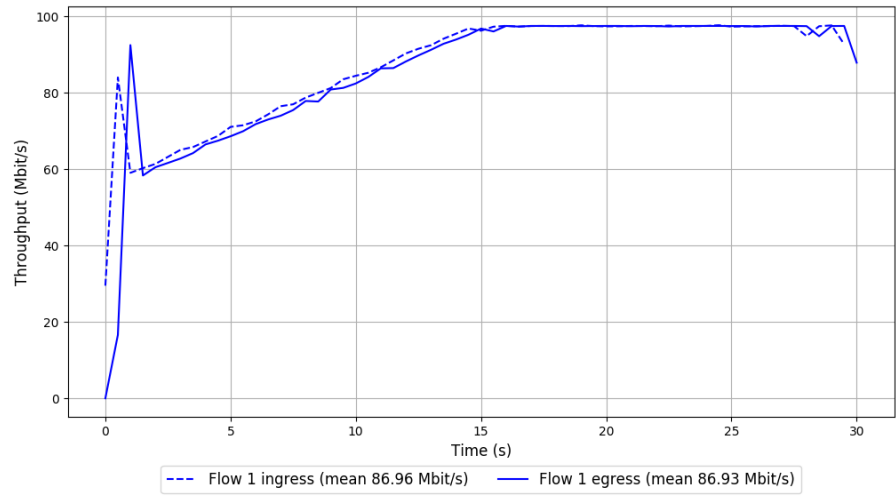


Run 5: Statistics of TCP Vegas

Start at: 2019-02-05 14:35:34
End at: 2019-02-05 14:36:04
Local clock offset: 2.292 ms
Remote clock offset: -5.022 ms

Below is generated by plot.py at 2019-02-05 15:09:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.93 Mbit/s
95th percentile per-packet one-way delay: 39.945 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 86.93 Mbit/s
95th percentile per-packet one-way delay: 39.945 ms
Loss rate: 0.24%

Run 5: Report of TCP Vegas — Data Link

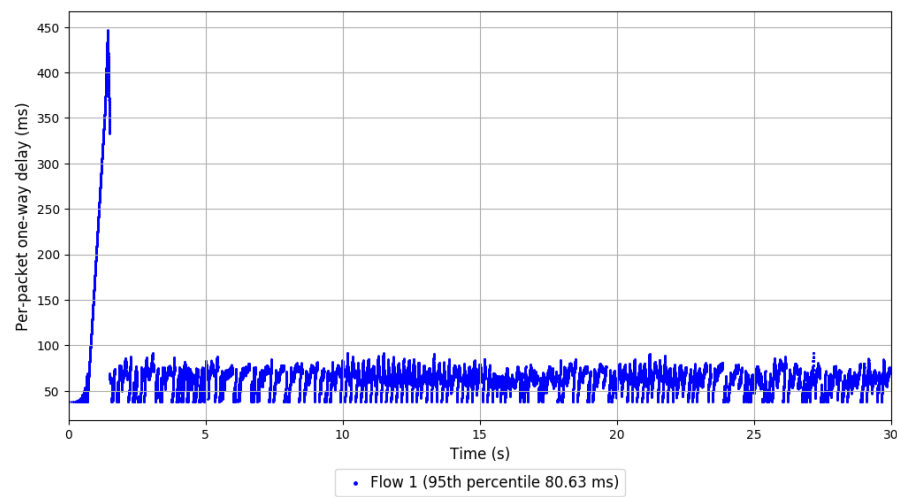
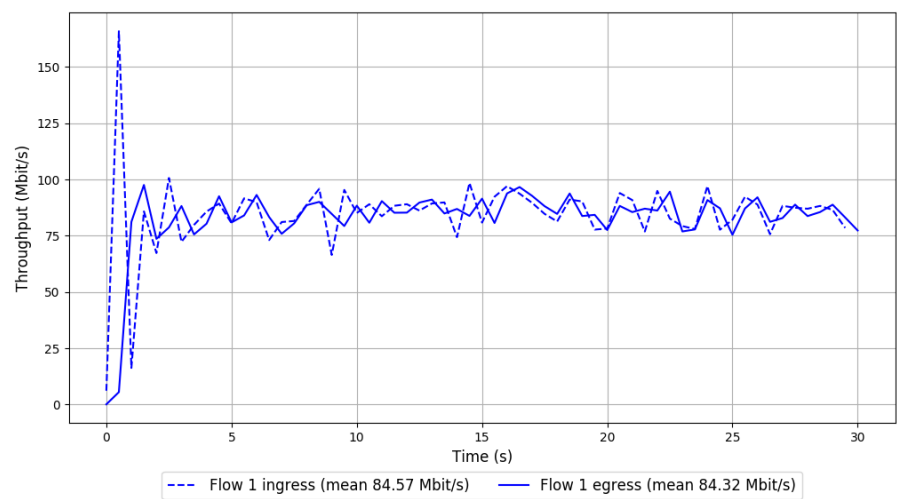


Run 1: Statistics of Verus

Start at: 2019-02-05 13:07:42
End at: 2019-02-05 13:08:12
Local clock offset: 1.405 ms
Remote clock offset: -7.788 ms

Below is generated by plot.py at 2019-02-05 15:09:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.32 Mbit/s
95th percentile per-packet one-way delay: 80.628 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 84.32 Mbit/s
95th percentile per-packet one-way delay: 80.628 ms
Loss rate: 0.43%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2019-02-05 13:32:14

End at: 2019-02-05 13:32:44

Local clock offset: 1.169 ms

Remote clock offset: -4.67 ms

Below is generated by plot.py at 2019-02-05 15:09:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.14 Mbit/s

95th percentile per-packet one-way delay: 77.381 ms

Loss rate: 0.50%

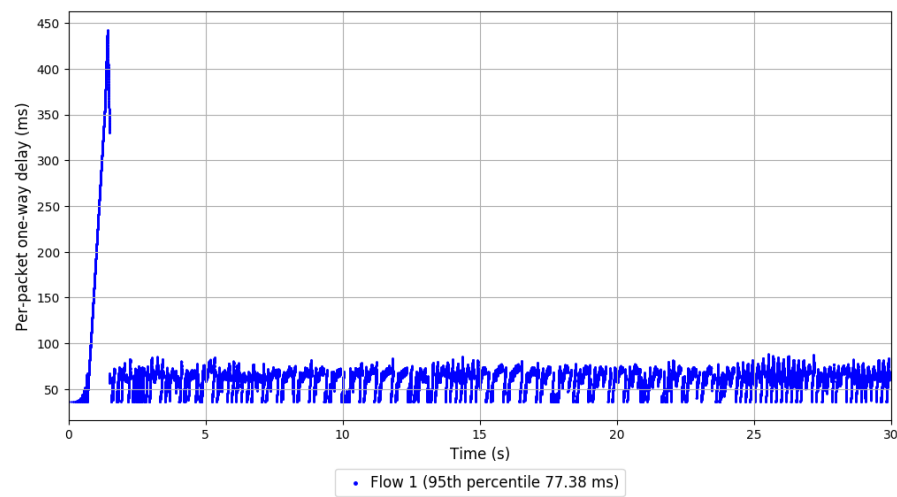
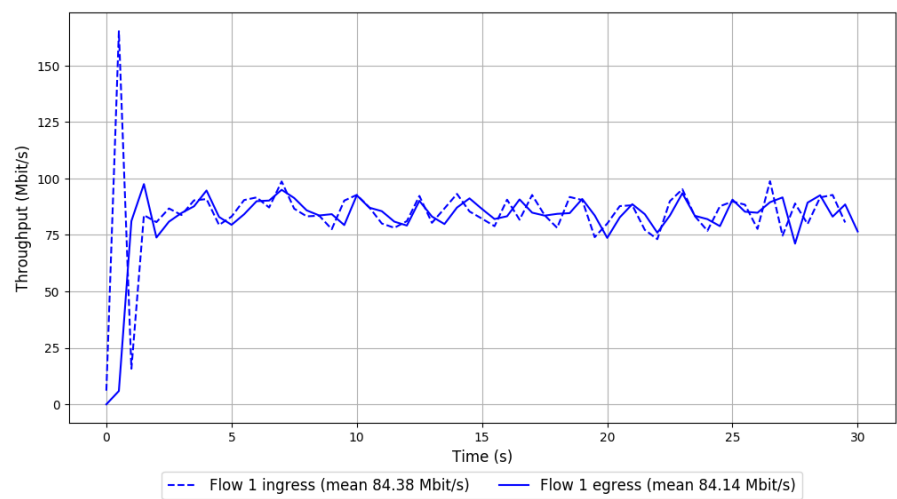
-- Flow 1:

Average throughput: 84.14 Mbit/s

95th percentile per-packet one-way delay: 77.381 ms

Loss rate: 0.50%

Run 2: Report of Verus — Data Link

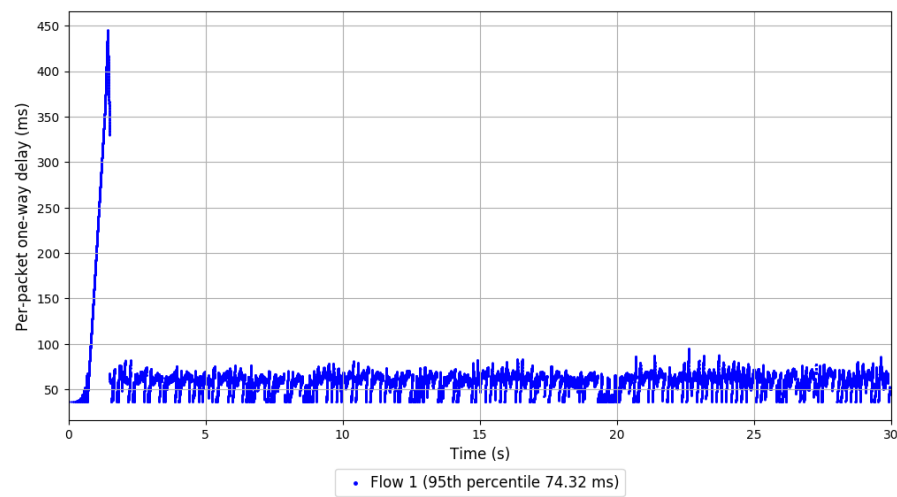
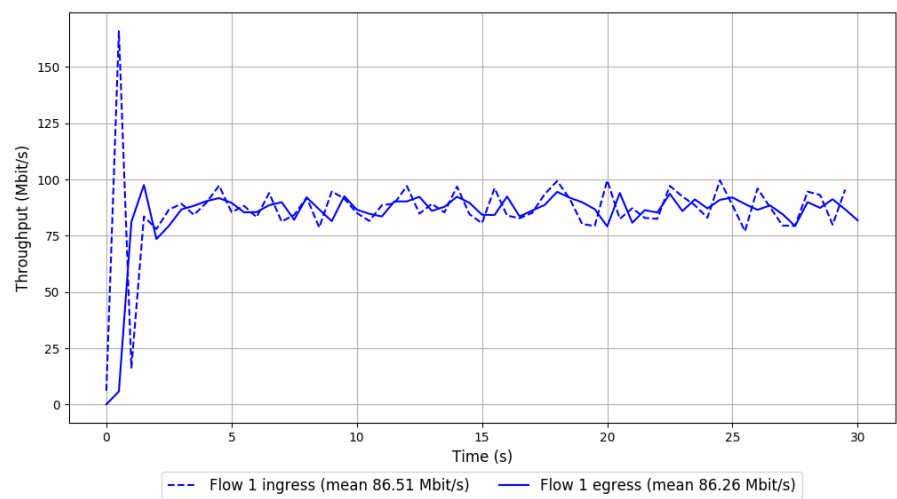


Run 3: Statistics of Verus

Start at: 2019-02-05 13:56:46
End at: 2019-02-05 13:57:16
Local clock offset: 1.639 ms
Remote clock offset: -3.642 ms

Below is generated by plot.py at 2019-02-05 15:10:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.26 Mbit/s
95th percentile per-packet one-way delay: 74.316 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 86.26 Mbit/s
95th percentile per-packet one-way delay: 74.316 ms
Loss rate: 0.50%

Run 3: Report of Verus — Data Link

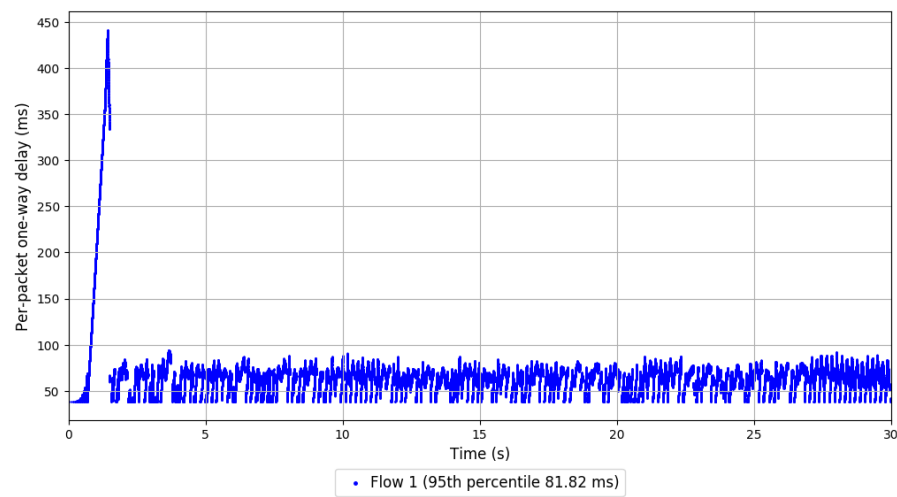
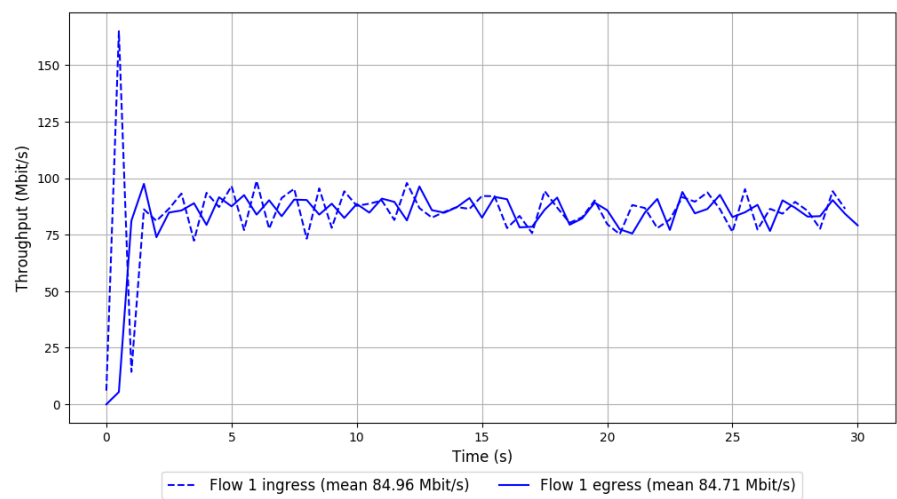


Run 4: Statistics of Verus

Start at: 2019-02-05 14:21:31
End at: 2019-02-05 14:22:01
Local clock offset: 2.092 ms
Remote clock offset: -5.065 ms

Below is generated by plot.py at 2019-02-05 15:10:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.71 Mbit/s
95th percentile per-packet one-way delay: 81.817 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 84.71 Mbit/s
95th percentile per-packet one-way delay: 81.817 ms
Loss rate: 0.51%

Run 4: Report of Verus — Data Link

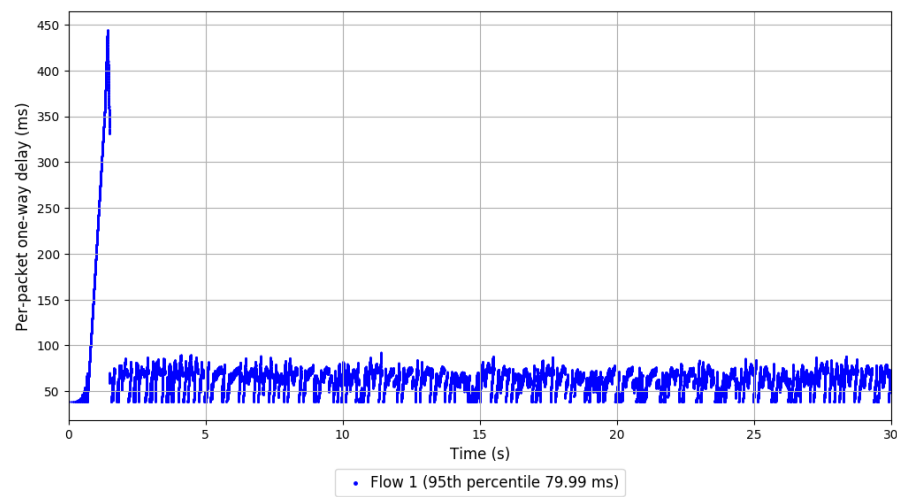
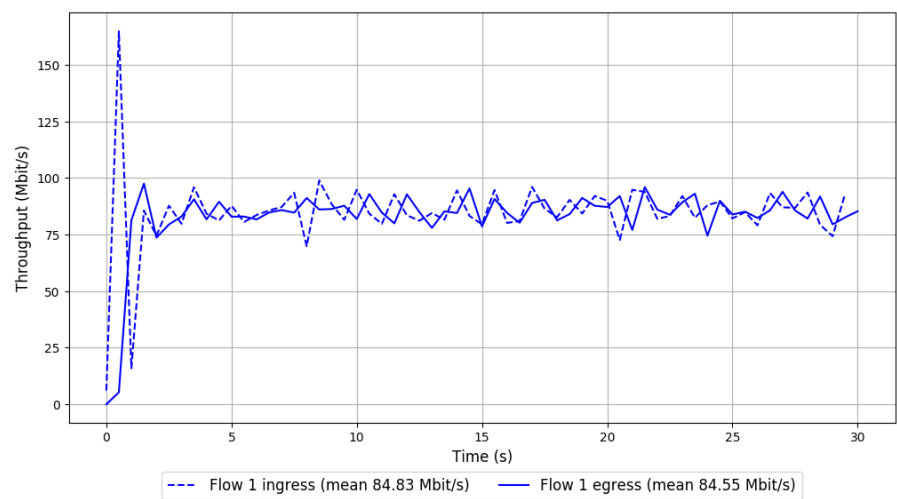


Run 5: Statistics of Verus

Start at: 2019-02-05 14:46:14
End at: 2019-02-05 14:46:44
Local clock offset: 2.38 ms
Remote clock offset: -4.811 ms

Below is generated by plot.py at 2019-02-05 15:10:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.55 Mbit/s
95th percentile per-packet one-way delay: 79.988 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 84.55 Mbit/s
95th percentile per-packet one-way delay: 79.988 ms
Loss rate: 0.42%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-02-05 12:54:51

End at: 2019-02-05 12:55:21

Local clock offset: 1.612 ms

Remote clock offset: -8.907 ms

Below is generated by plot.py at 2019-02-05 15:10:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.48 Mbit/s

95th percentile per-packet one-way delay: 39.777 ms

Loss rate: 0.23%

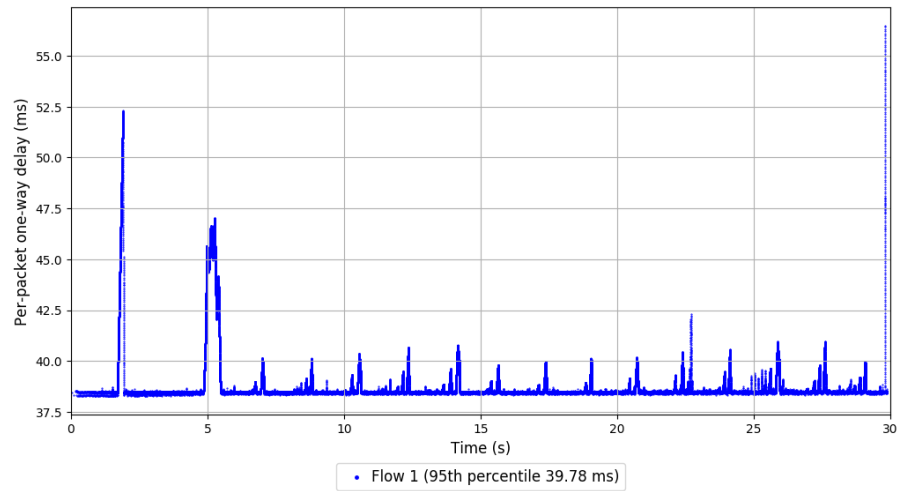
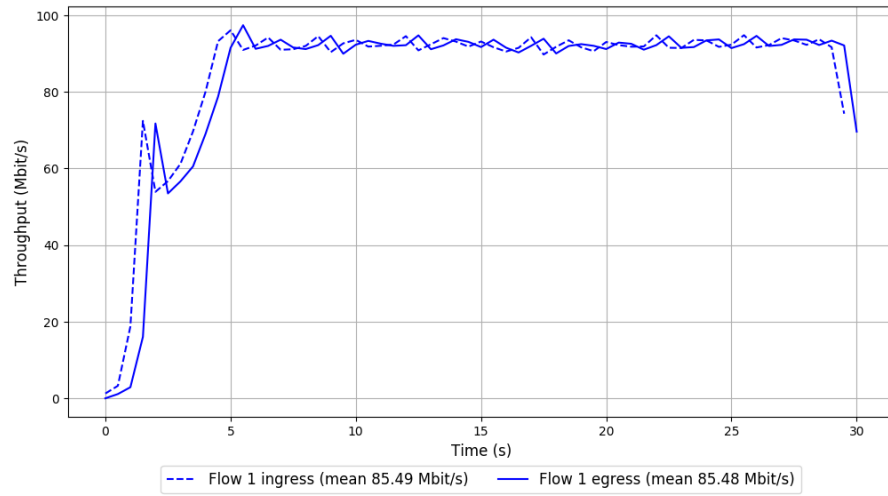
-- Flow 1:

Average throughput: 85.48 Mbit/s

95th percentile per-packet one-way delay: 39.777 ms

Loss rate: 0.23%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-02-05 13:19:22

End at: 2019-02-05 13:19:52

Local clock offset: 1.304 ms

Remote clock offset: -5.102 ms

Below is generated by plot.py at 2019-02-05 15:10:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.37 Mbit/s

95th percentile per-packet one-way delay: 37.123 ms

Loss rate: 0.22%

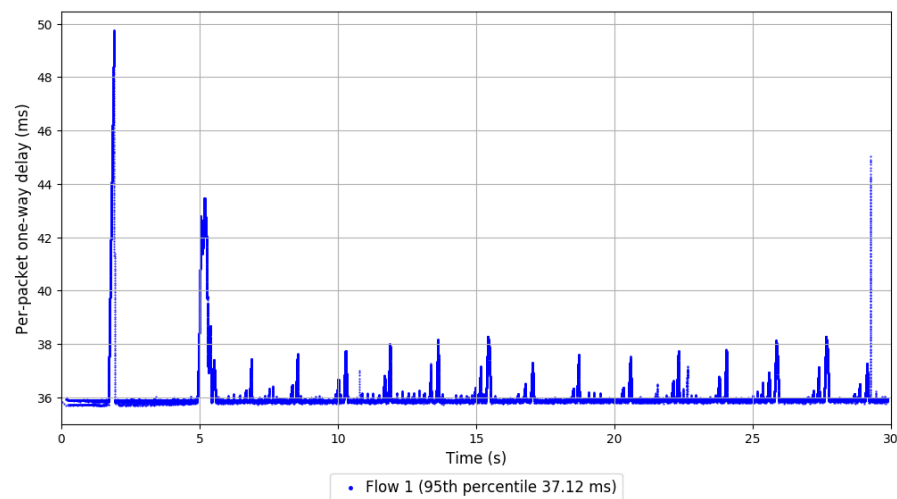
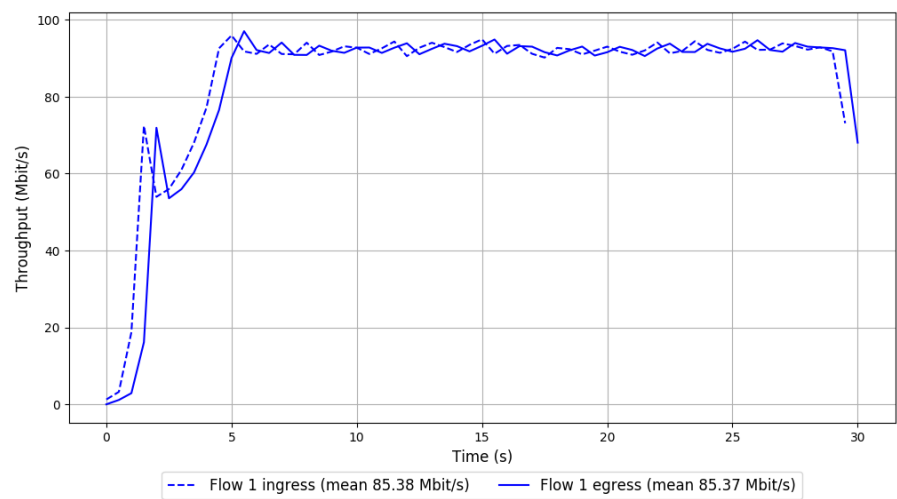
-- Flow 1:

Average throughput: 85.37 Mbit/s

95th percentile per-packet one-way delay: 37.123 ms

Loss rate: 0.22%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-02-05 13:43:53

End at: 2019-02-05 13:44:23

Local clock offset: 1.076 ms

Remote clock offset: -4.208 ms

Below is generated by plot.py at 2019-02-05 15:10:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.30 Mbit/s

95th percentile per-packet one-way delay: 37.553 ms

Loss rate: 0.23%

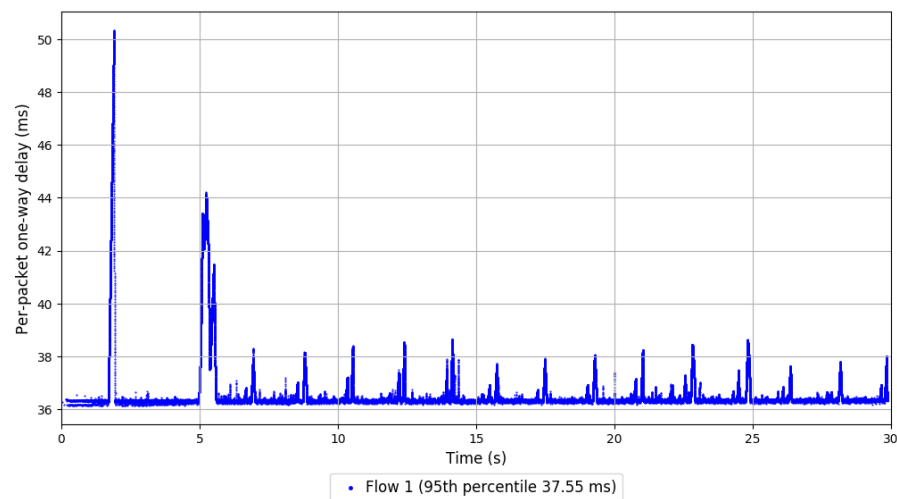
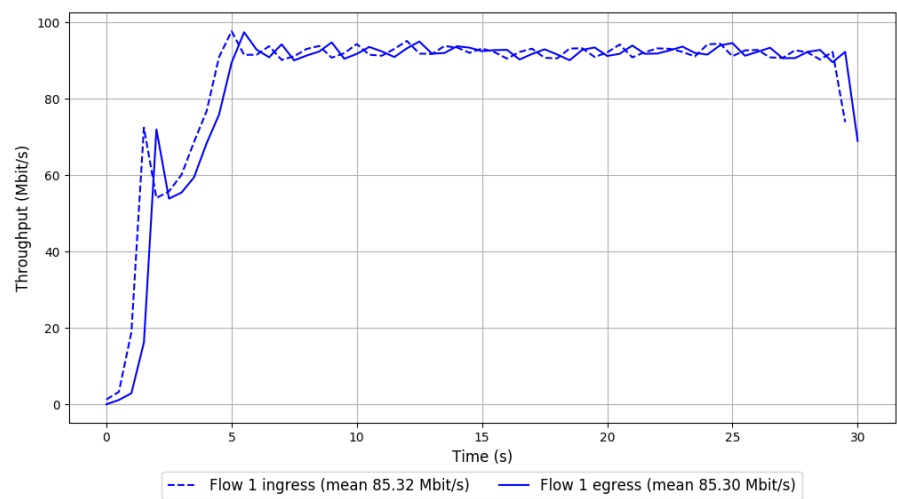
-- Flow 1:

Average throughput: 85.30 Mbit/s

95th percentile per-packet one-way delay: 37.553 ms

Loss rate: 0.23%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-02-05 14:08:30

End at: 2019-02-05 14:09:00

Local clock offset: 1.884 ms

Remote clock offset: -5.496 ms

Below is generated by plot.py at 2019-02-05 15:10:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.68 Mbit/s

95th percentile per-packet one-way delay: 40.118 ms

Loss rate: 0.22%

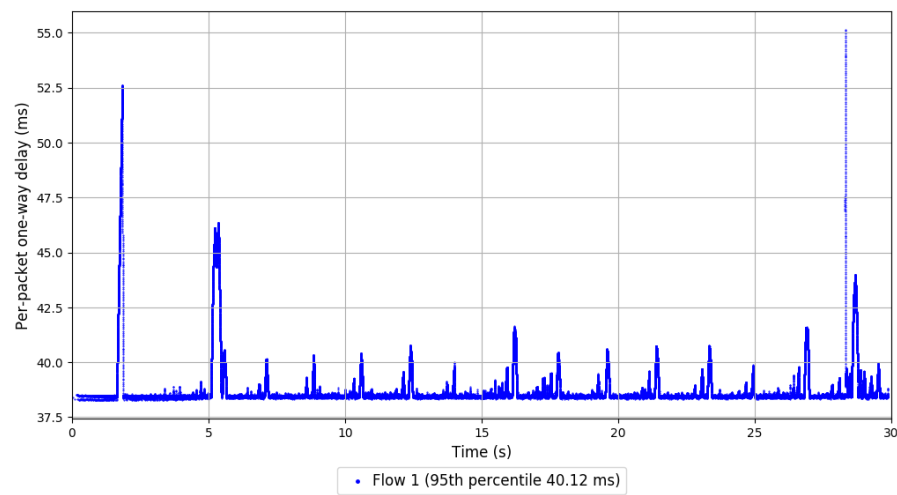
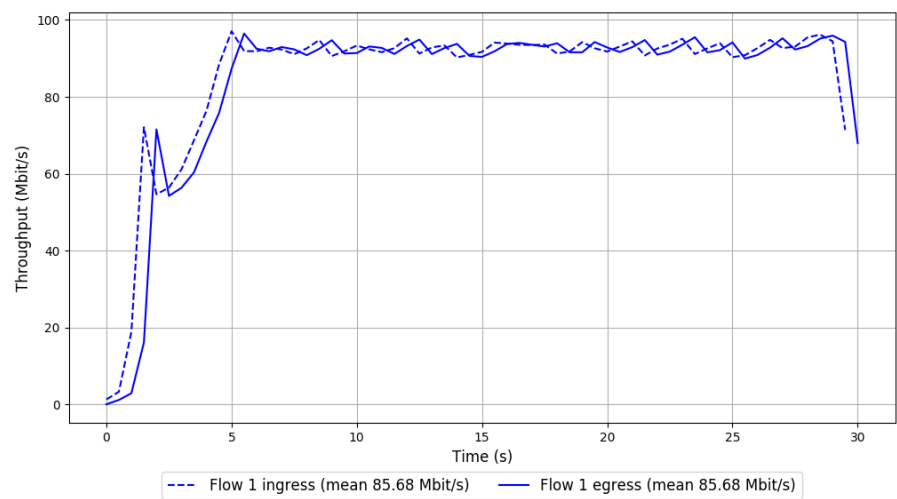
-- Flow 1:

Average throughput: 85.68 Mbit/s

95th percentile per-packet one-way delay: 40.118 ms

Loss rate: 0.22%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-02-05 14:33:13

End at: 2019-02-05 14:33:43

Local clock offset: 2.28 ms

Remote clock offset: -4.593 ms

Below is generated by plot.py at 2019-02-05 15:10:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.30 Mbit/s

95th percentile per-packet one-way delay: 39.245 ms

Loss rate: 0.22%

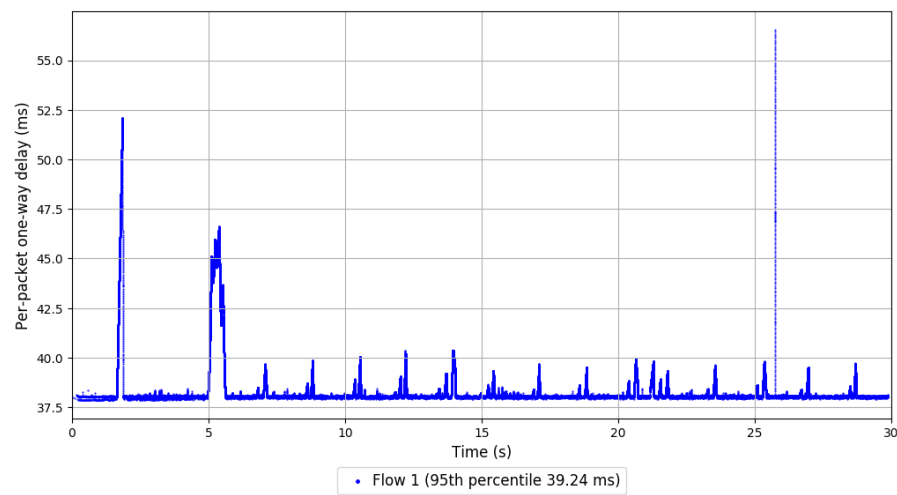
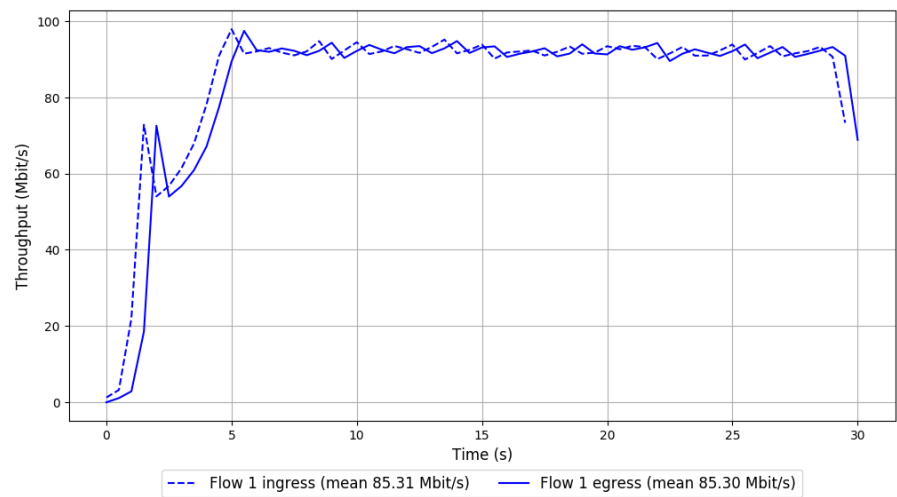
-- Flow 1:

Average throughput: 85.30 Mbit/s

95th percentile per-packet one-way delay: 39.245 ms

Loss rate: 0.22%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2019-02-05 13:08:53

End at: 2019-02-05 13:09:23

Local clock offset: 1.403 ms

Remote clock offset: -5.891 ms

Below is generated by plot.py at 2019-02-05 15:10:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 36.390 ms

Loss rate: 0.26%

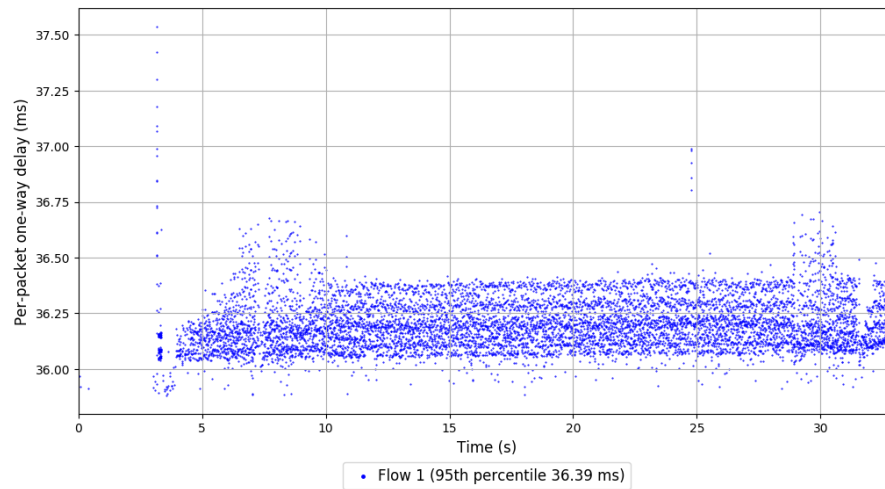
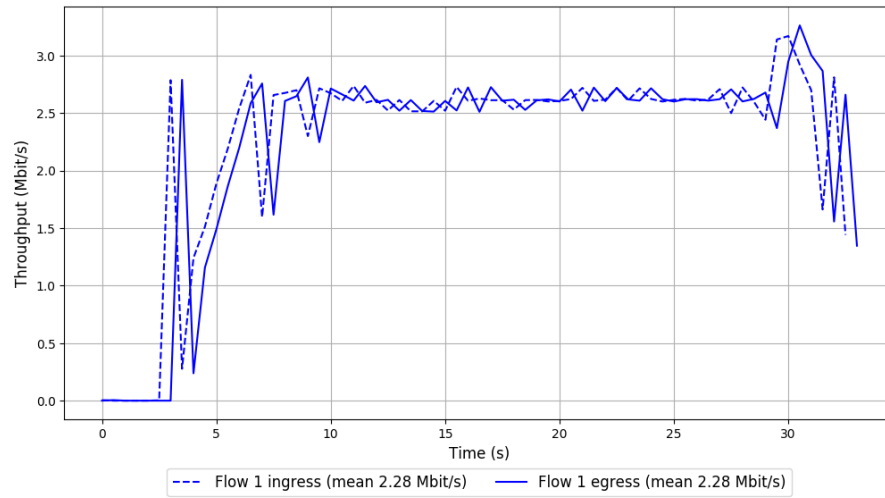
-- Flow 1:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 36.390 ms

Loss rate: 0.26%

Run 1: Report of WebRTC media — Data Link

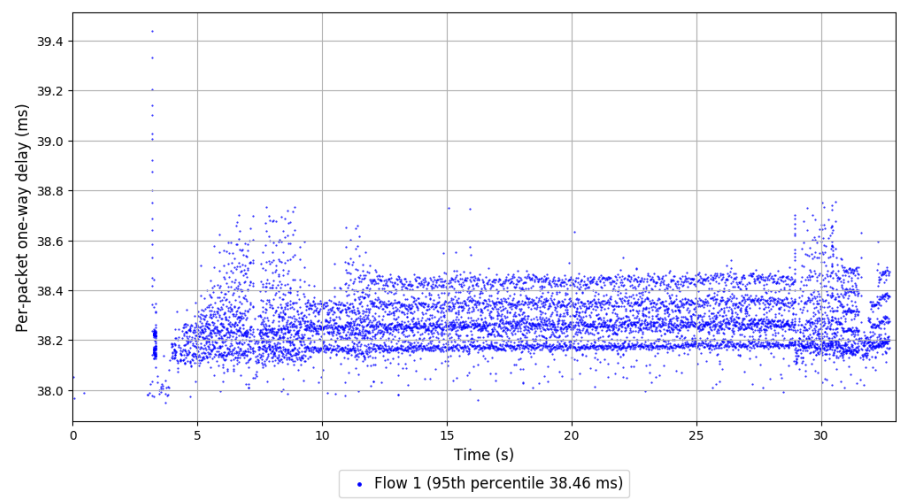
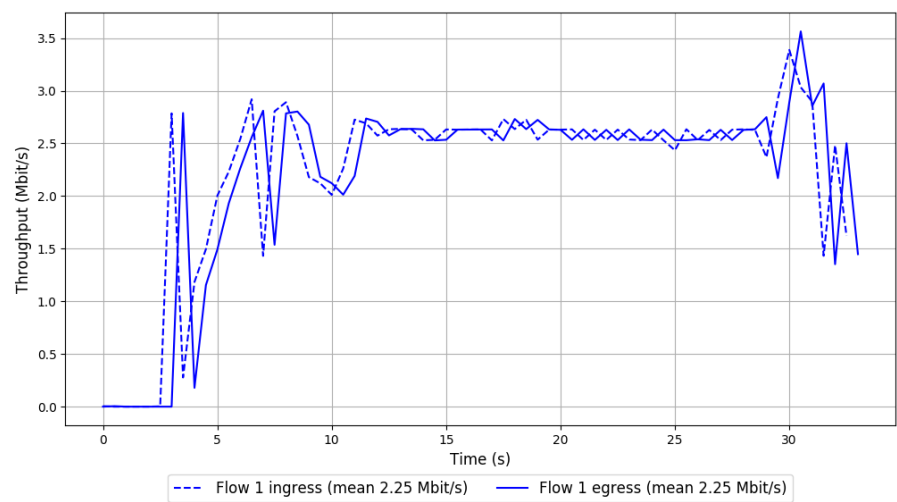


Run 2: Statistics of WebRTC media

Start at: 2019-02-05 13:33:25
End at: 2019-02-05 13:33:55
Local clock offset: 1.159 ms
Remote clock offset: -6.587 ms

Below is generated by plot.py at 2019-02-05 15:10:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 38.459 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 38.459 ms
Loss rate: 0.25%

Run 2: Report of WebRTC media — Data Link

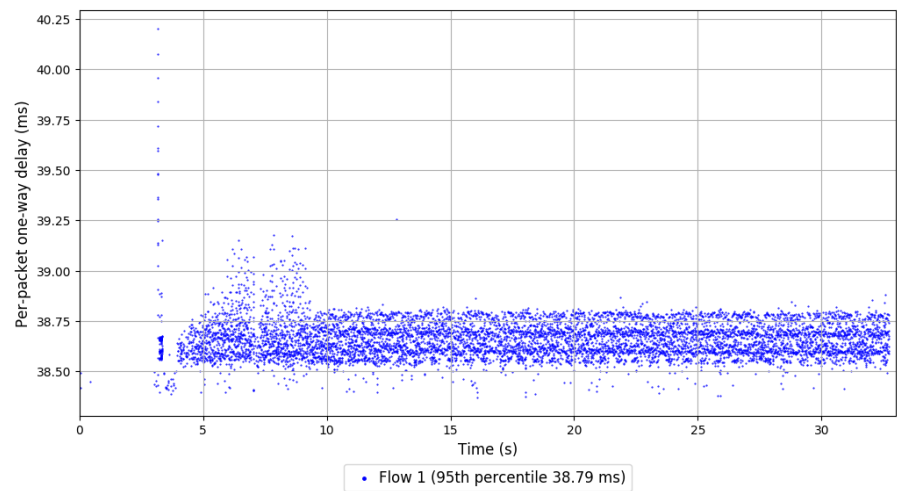
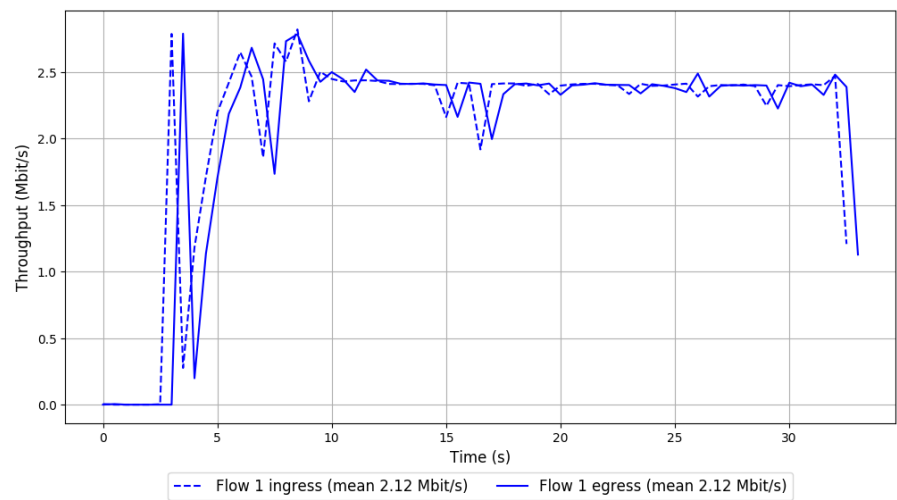


Run 3: Statistics of WebRTC media

Start at: 2019-02-05 13:57:57
End at: 2019-02-05 13:58:27
Local clock offset: 1.677 ms
Remote clock offset: -5.799 ms

Below is generated by plot.py at 2019-02-05 15:10:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 38.792 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 38.792 ms
Loss rate: 0.23%

Run 3: Report of WebRTC media — Data Link

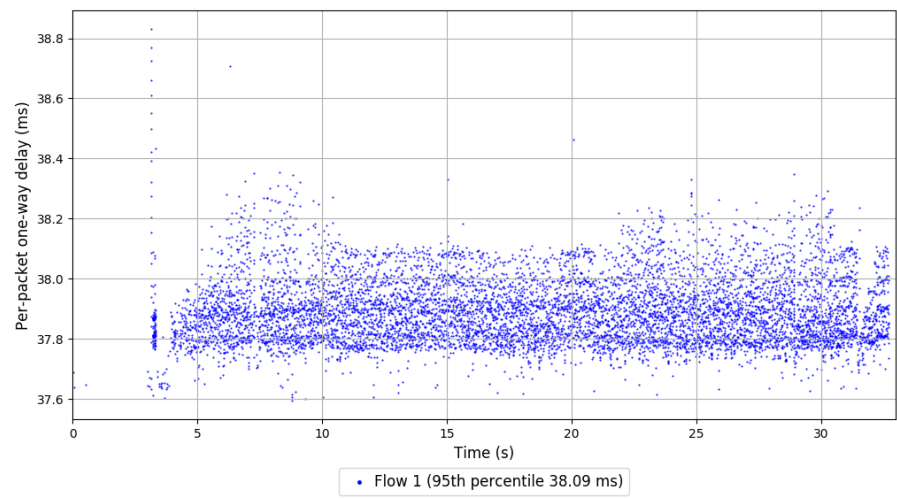
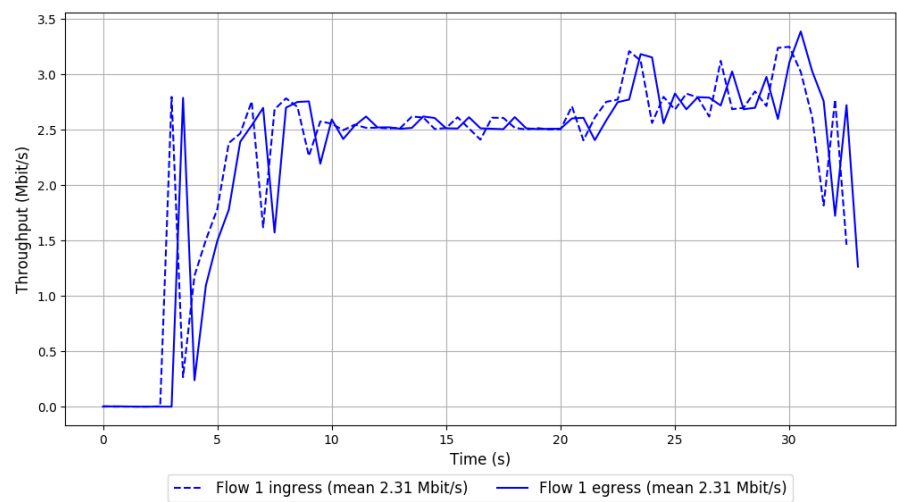


Run 4: Statistics of WebRTC media

Start at: 2019-02-05 14:22:43
End at: 2019-02-05 14:23:13
Local clock offset: 2.117 ms
Remote clock offset: -4.513 ms

Below is generated by plot.py at 2019-02-05 15:10:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 38.095 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 38.095 ms
Loss rate: 0.26%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-02-05 14:47:25
End at: 2019-02-05 14:47:55
Local clock offset: 2.279 ms
Remote clock offset: -1.838 ms

Below is generated by plot.py at 2019-02-05 15:10:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 35.975 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 35.975 ms
Loss rate: 0.19%

Run 5: Report of WebRTC media — Data Link

