

## Pantheon Report

Generated at 2019-03-26 22:17:14 (UTC).

Data path: AWS India 1 on `ens5` (*local*) → India on `em1` (*remote*).

Repeated the test of 21 congestion control schemes 5 times.

Each test lasted for 30 seconds running 1 flow.

NTP offsets were measured against `nets.org.sg` and have been applied to correct the timestamps in logs.

### System info:

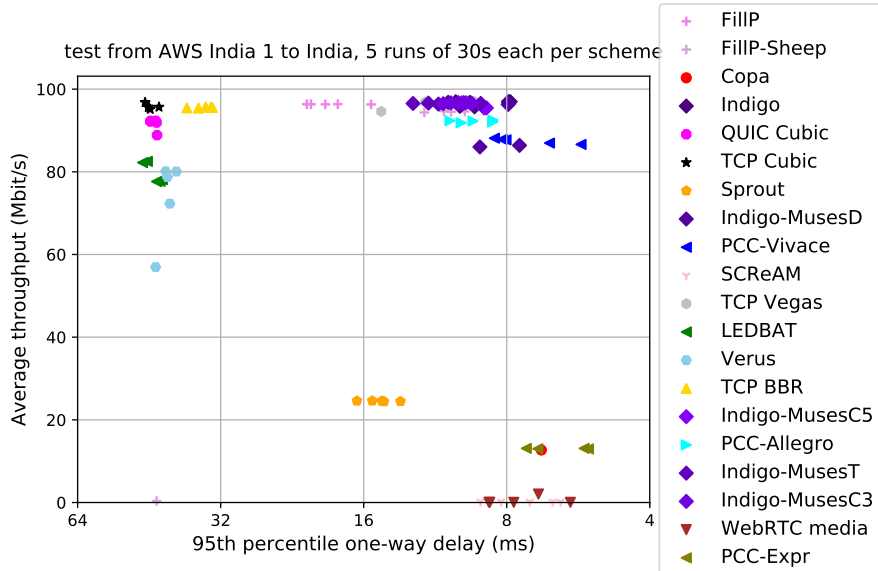
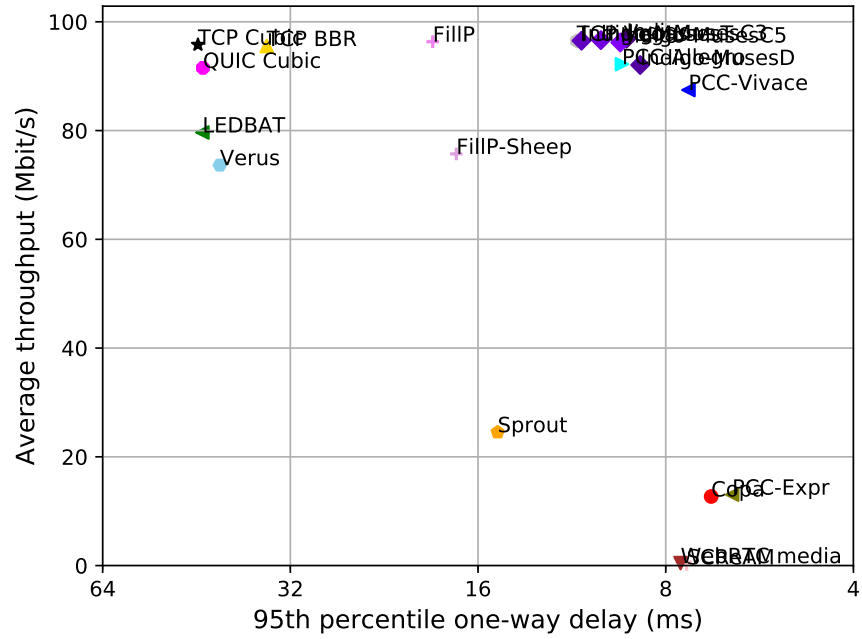
```
Linux 4.15.0-1034-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

### Git summary:

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

third\_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851

test from AWS India 1 to India, 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	95.54	34.91	0.19
Copa	1	12.70	6.76	72.33
TCP Cubic	5	95.78	45.02	0.35
FillP	5	96.34	18.91	0.38
FillP-Sheep	5	75.71	17.34	7.97
Indigo	5	96.89	9.25	0.00
Indigo-MusesC3	5	96.63	10.16	0.01
Indigo-MusesC5	5	96.19	9.46	0.00
Indigo-MusesD	5	92.06	8.79	0.00
Indigo-MusesT	5	96.52	10.92	0.00
LEDBAT	5	79.64	44.29	0.16
PCC-Allegro	5	92.20	9.40	0.29
PCC-Expr	4	13.04	6.26	47.13
QUIC Cubic	5	91.52	44.19	0.50
SCReAM	5	0.21	7.40	0.00
Sprout	5	24.53	14.88	0.00
TaoVA-100x	0	N/A	N/A	N/A
TCP Vegas	5	96.50	11.11	0.28
Verus	5	73.64	41.52	23.31
PCC-Vivace	5	87.46	7.36	0.00
WebRTC media	5	0.45	7.57	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-03-26 20:24:44

End at: 2019-03-26 20:25:14

Local clock offset: -5.502 ms

Remote clock offset: -4.522 ms

# Below is generated by plot.py at 2019-03-26 22:07:51

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.59 Mbit/s

95th percentile per-packet one-way delay: 33.534 ms

Loss rate: 0.18%

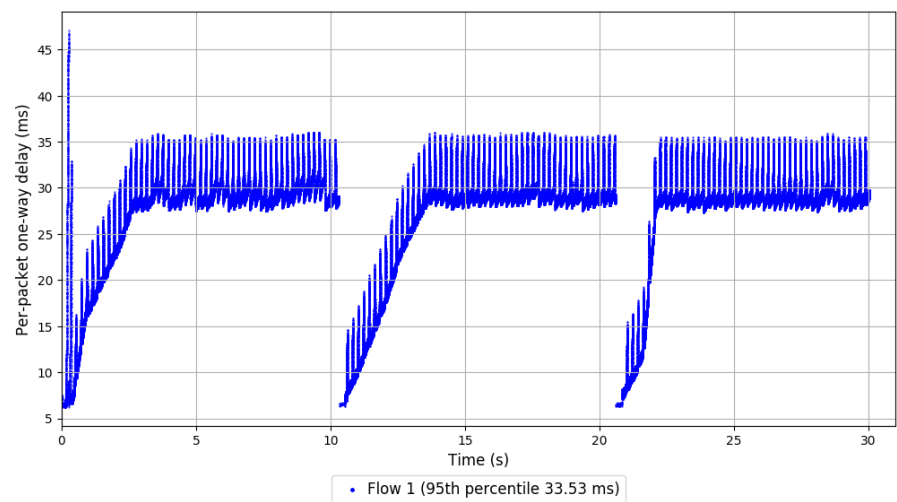
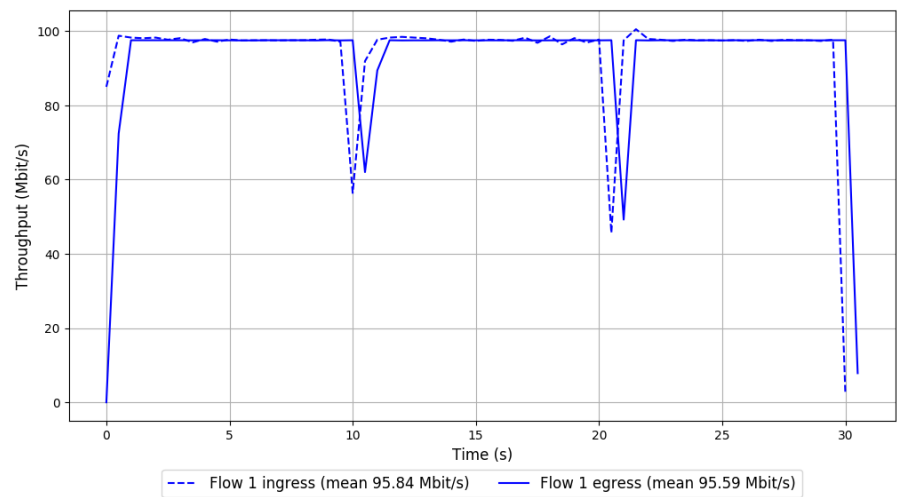
-- Flow 1:

Average throughput: 95.59 Mbit/s

95th percentile per-packet one-way delay: 33.534 ms

Loss rate: 0.18%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-03-26 20:48:36

End at: 2019-03-26 20:49:06

Local clock offset: -5.051 ms

Remote clock offset: -3.678 ms

# Below is generated by plot.py at 2019-03-26 22:07:51

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.66 Mbit/s

95th percentile per-packet one-way delay: 34.404 ms

Loss rate: 0.18%

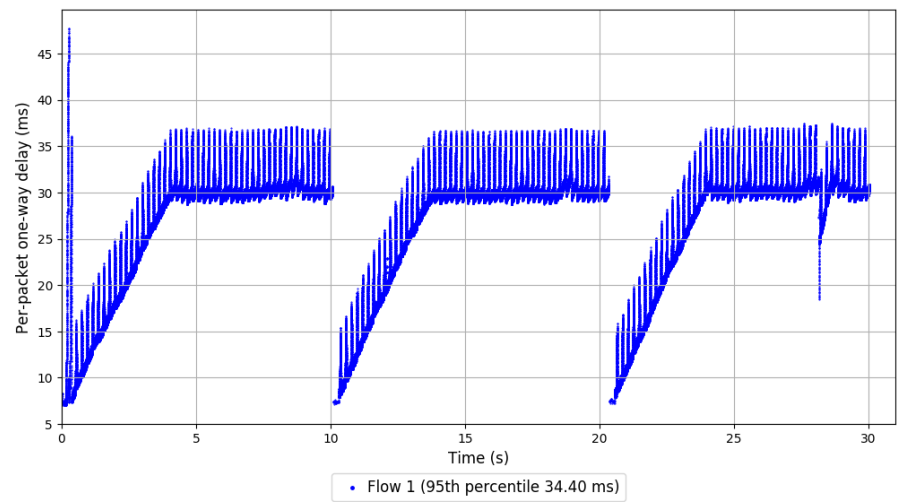
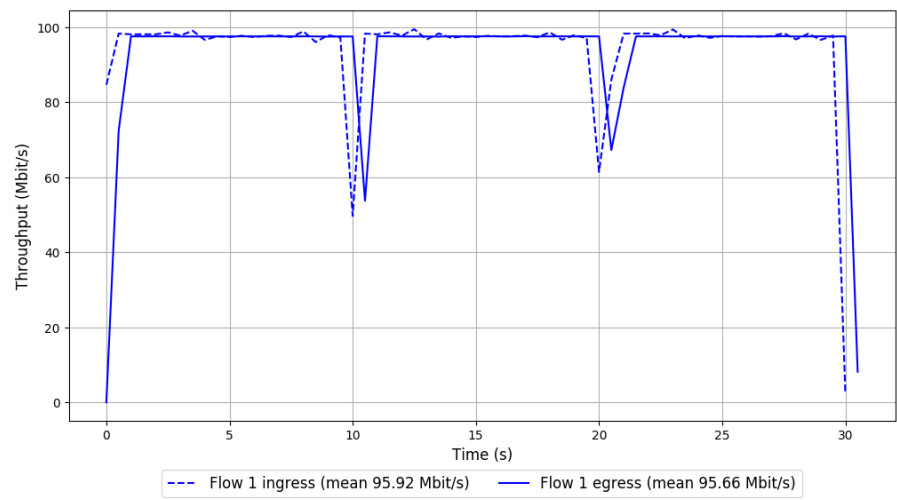
-- Flow 1:

Average throughput: 95.66 Mbit/s

95th percentile per-packet one-way delay: 34.404 ms

Loss rate: 0.18%

Run 2: Report of TCP BBR — Data Link

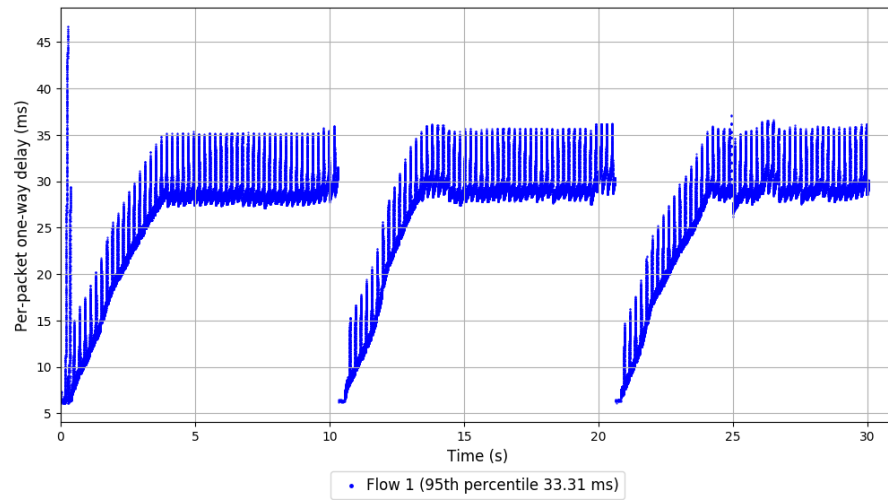
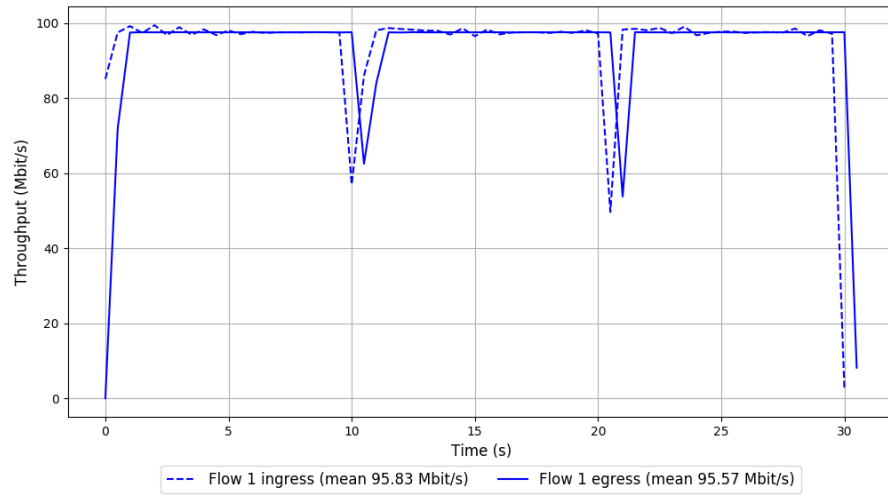


Run 3: Statistics of TCP BBR

Start at: 2019-03-26 21:12:30  
End at: 2019-03-26 21:13:01  
Local clock offset: -0.356 ms  
Remote clock offset: -2.366 ms

# Below is generated by plot.py at 2019-03-26 22:07:51  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.57 Mbit/s  
95th percentile per-packet one-way delay: 33.307 ms  
Loss rate: 0.19%  
-- Flow 1:  
Average throughput: 95.57 Mbit/s  
95th percentile per-packet one-way delay: 33.307 ms  
Loss rate: 0.19%

### Run 3: Report of TCP BBR — Data Link

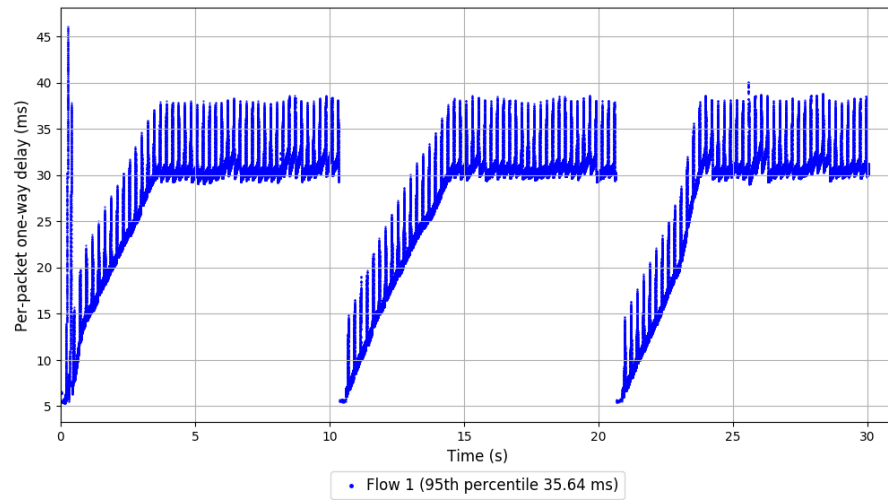
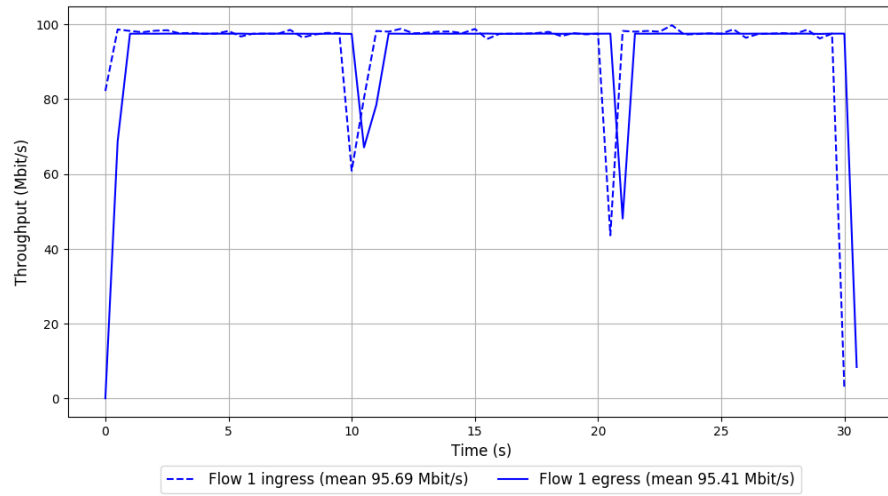


Run 4: Statistics of TCP BBR

Start at: 2019-03-26 21:36:21  
End at: 2019-03-26 21:36:51  
Local clock offset: 0.586 ms  
Remote clock offset: -2.497 ms

# Below is generated by plot.py at 2019-03-26 22:07:51  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.41 Mbit/s  
95th percentile per-packet one-way delay: 35.637 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 95.41 Mbit/s  
95th percentile per-packet one-way delay: 35.637 ms  
Loss rate: 0.20%

#### Run 4: Report of TCP BBR — Data Link

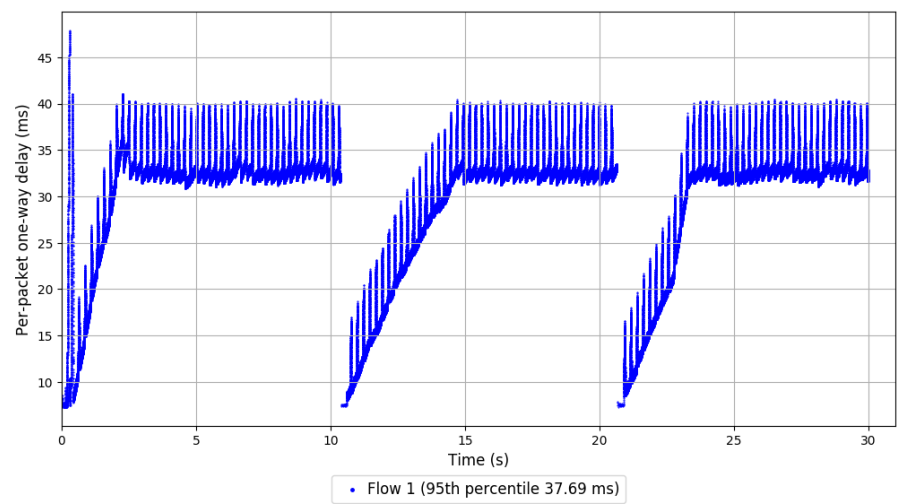
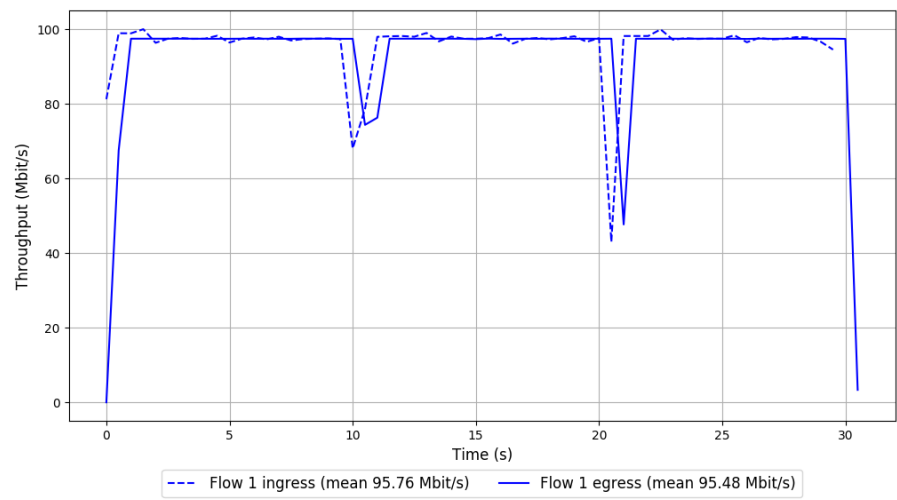


Run 5: Statistics of TCP BBR

Start at: 2019-03-26 22:00:09  
End at: 2019-03-26 22:00:39  
Local clock offset: -0.911 ms  
Remote clock offset: -1.451 ms

# Below is generated by plot.py at 2019-03-26 22:07:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.48 Mbit/s  
95th percentile per-packet one-way delay: 37.687 ms  
Loss rate: 0.21%  
-- Flow 1:  
Average throughput: 95.48 Mbit/s  
95th percentile per-packet one-way delay: 37.687 ms  
Loss rate: 0.21%

Run 5: Report of TCP BBR — Data Link

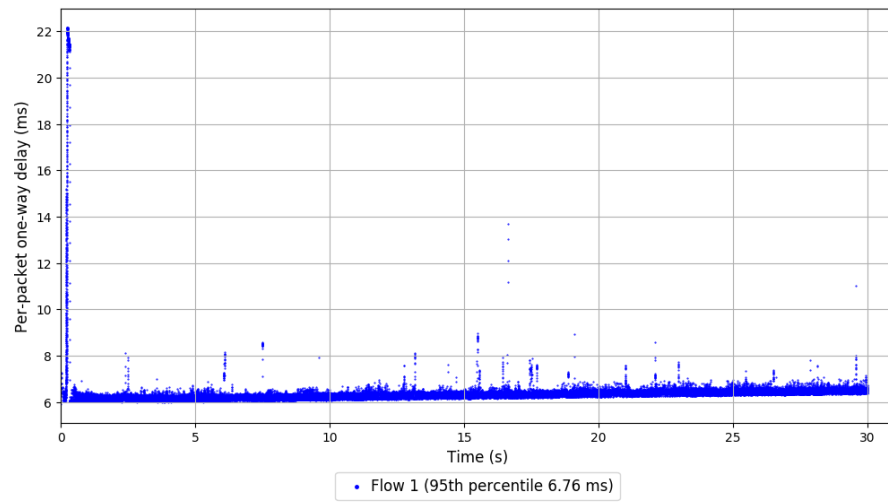
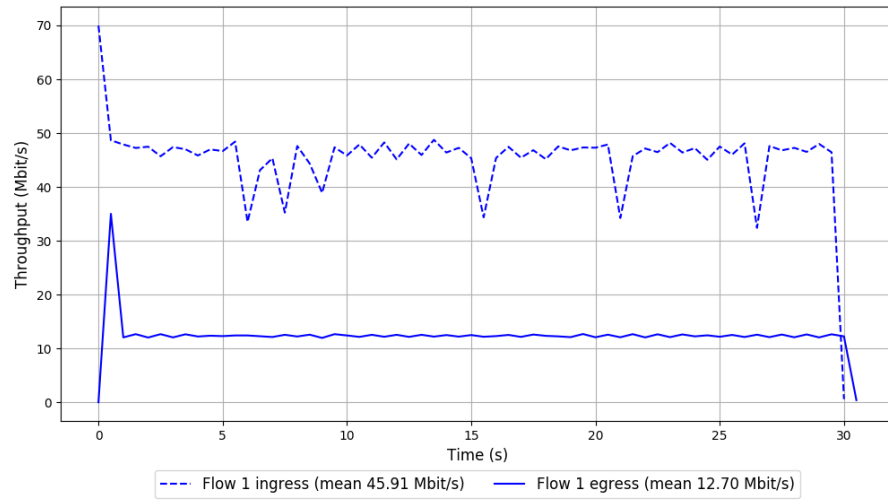


Run 1: Statistics of Copa

Start at: 2019-03-26 20:15:42  
End at: 2019-03-26 20:16:12  
Local clock offset: -9.39 ms  
Remote clock offset: -4.776 ms

# Below is generated by plot.py at 2019-03-26 22:07:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.70 Mbit/s  
95th percentile per-packet one-way delay: 6.764 ms  
Loss rate: 72.33%  
-- Flow 1:  
Average throughput: 12.70 Mbit/s  
95th percentile per-packet one-way delay: 6.764 ms  
Loss rate: 72.33%

### Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

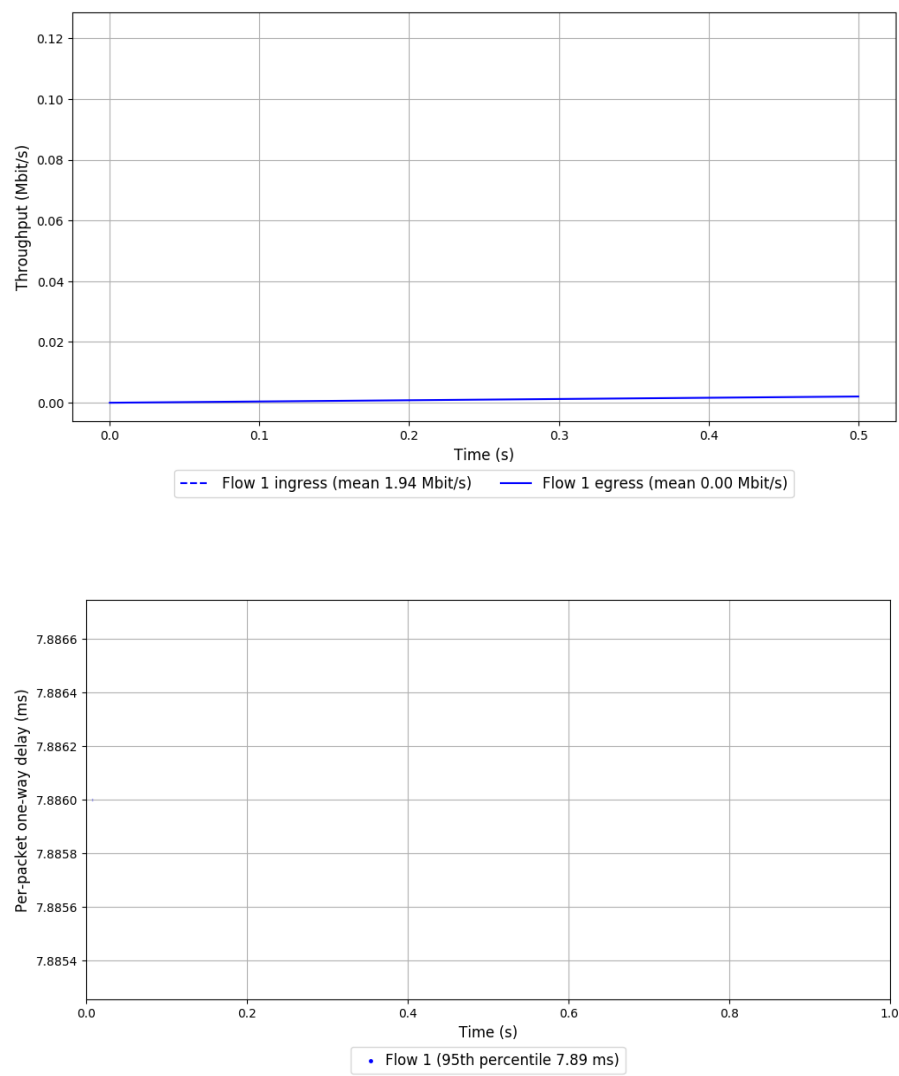
Start at: 2019-03-26 20:39:35

End at: 2019-03-26 20:40:05

Local clock offset: -4.772 ms

Remote clock offset: -1.974 ms

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

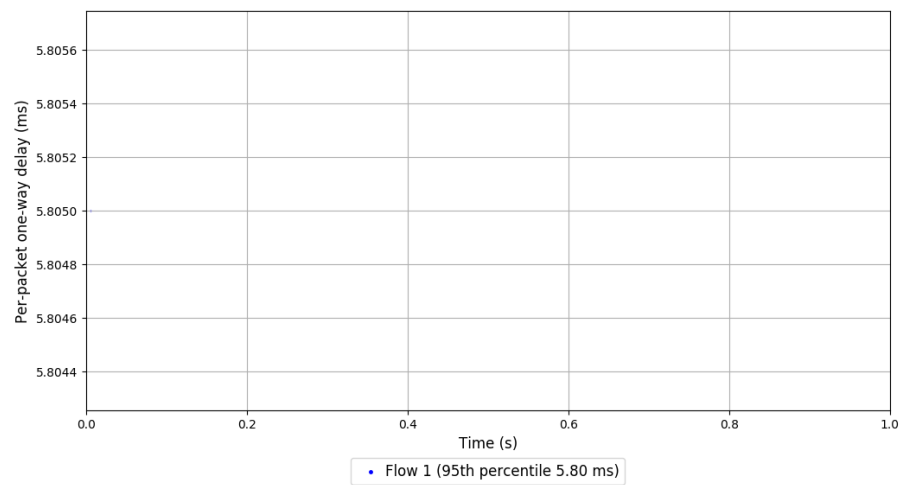
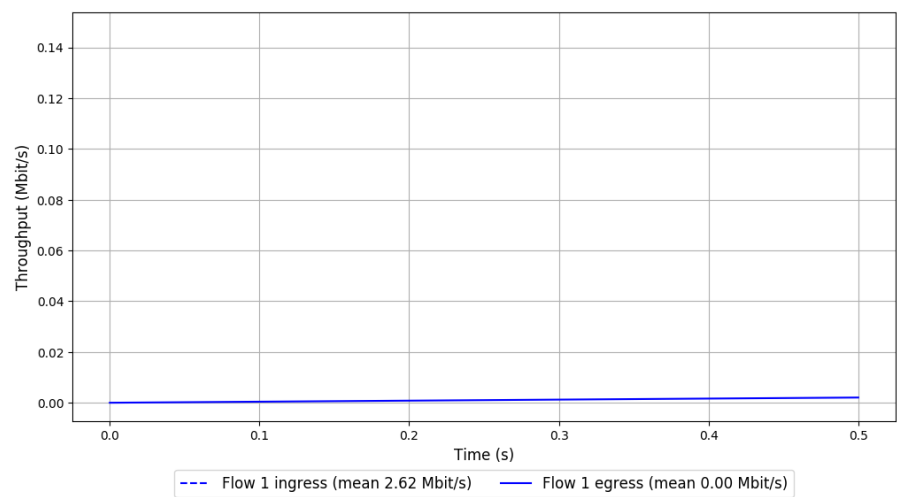
Start at: 2019-03-26 21:03:30

End at: 2019-03-26 21:04:00

Local clock offset: -5.697 ms

Remote clock offset: -8.43 ms

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

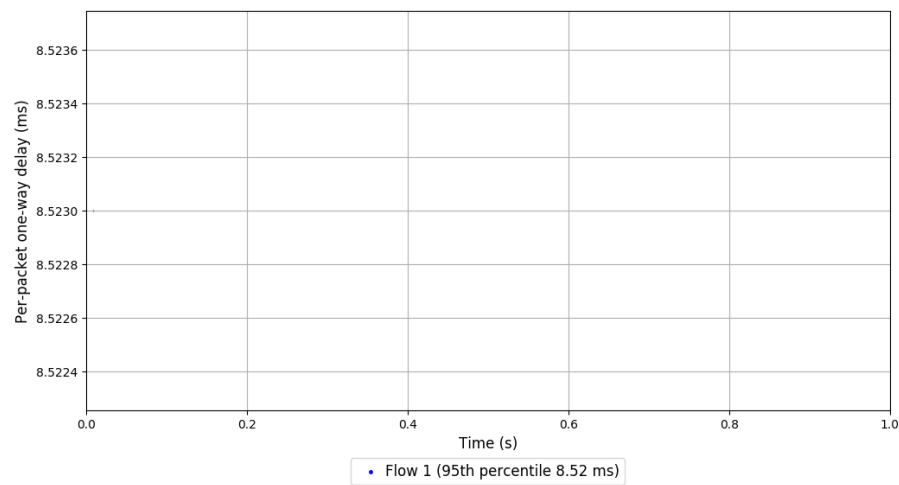
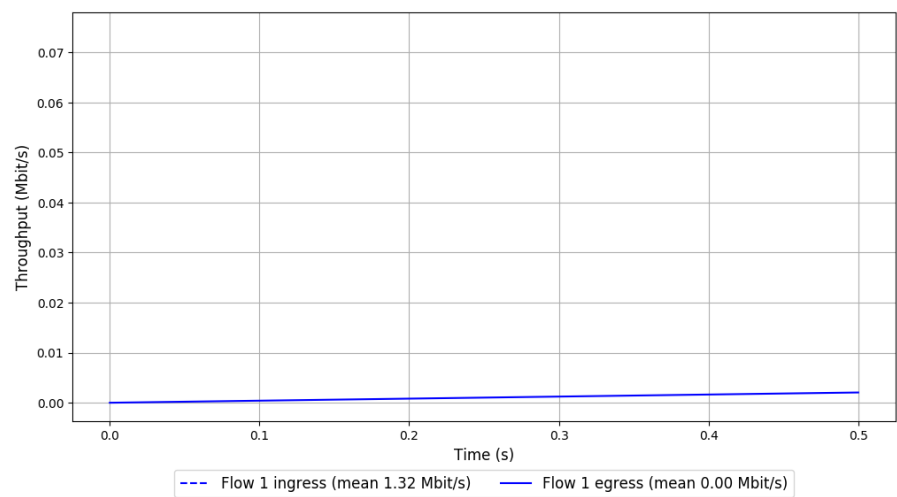
Start at: 2019-03-26 21:27:17

End at: 2019-03-26 21:27:47

Local clock offset: -0.798 ms

Remote clock offset: -1.006 ms

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

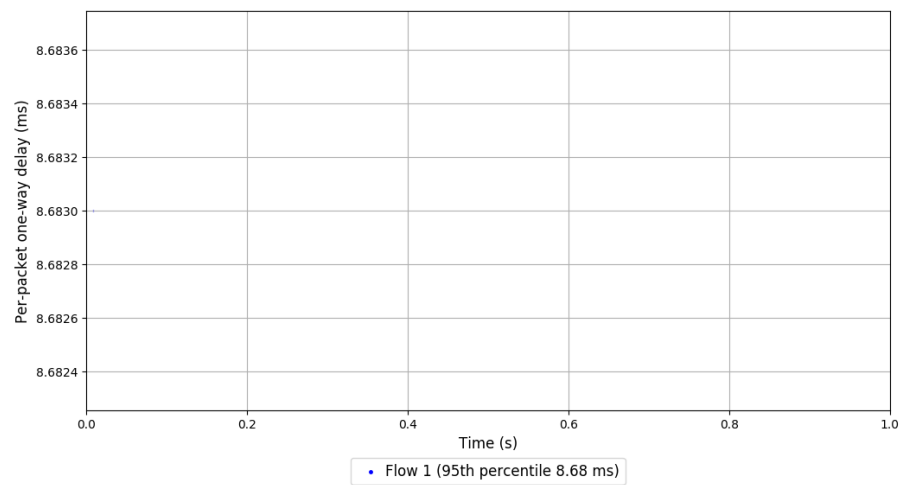
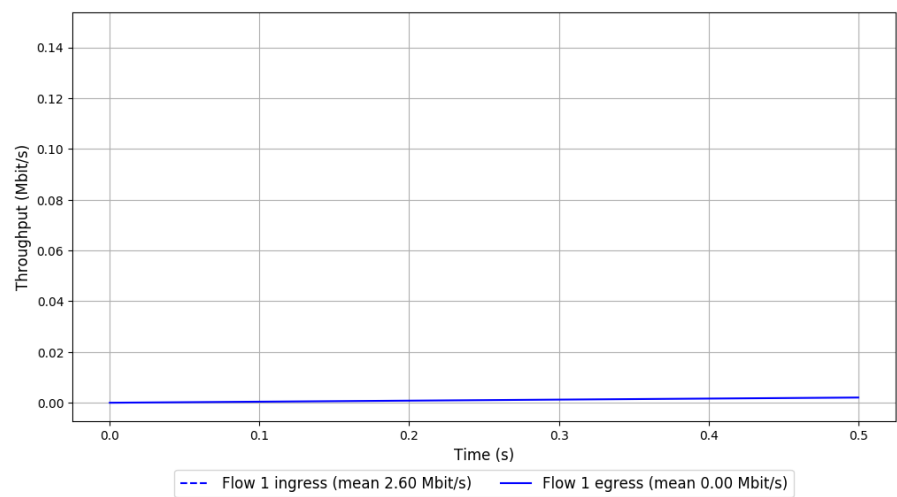
Start at: 2019-03-26 21:51:11

End at: 2019-03-26 21:51:41

Local clock offset: -0.928 ms

Remote clock offset: -0.567 ms

Run 5: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2019-03-26 20:23:34

End at: 2019-03-26 20:24:04

Local clock offset: -6.73 ms

Remote clock offset: -4.095 ms

# Below is generated by plot.py at 2019-03-26 22:07:52

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.14 Mbit/s

95th percentile per-packet one-way delay: 45.016 ms

Loss rate: 0.20%

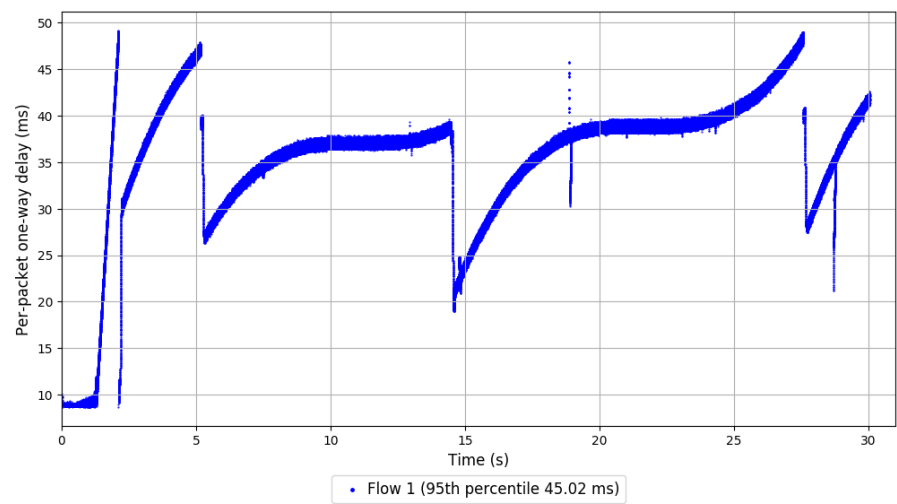
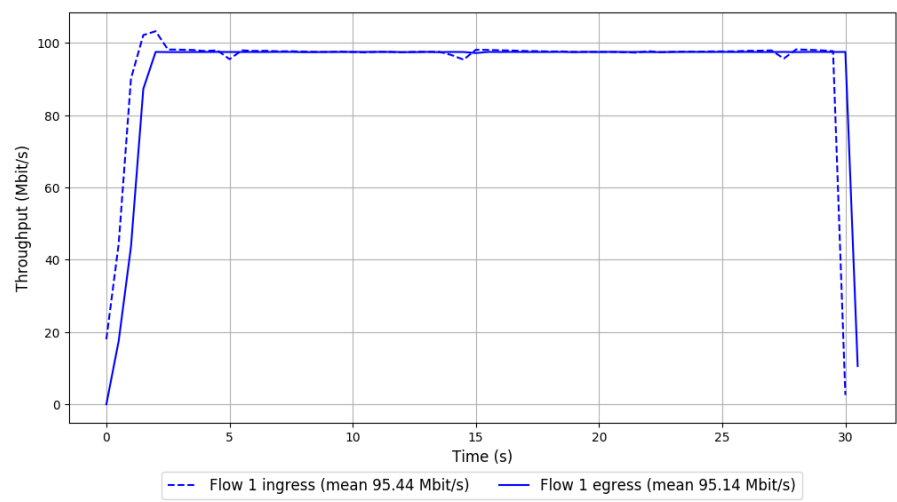
-- Flow 1:

Average throughput: 95.14 Mbit/s

95th percentile per-packet one-way delay: 45.016 ms

Loss rate: 0.20%

Run 1: Report of TCP Cubic — Data Link

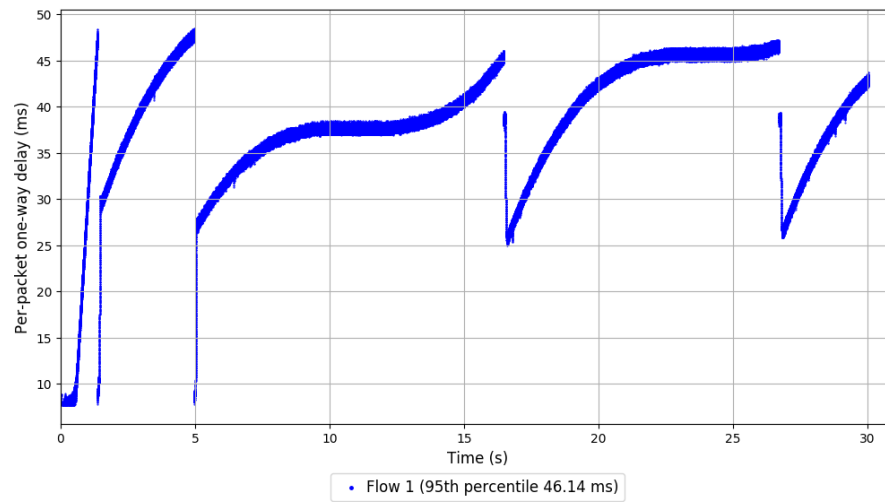
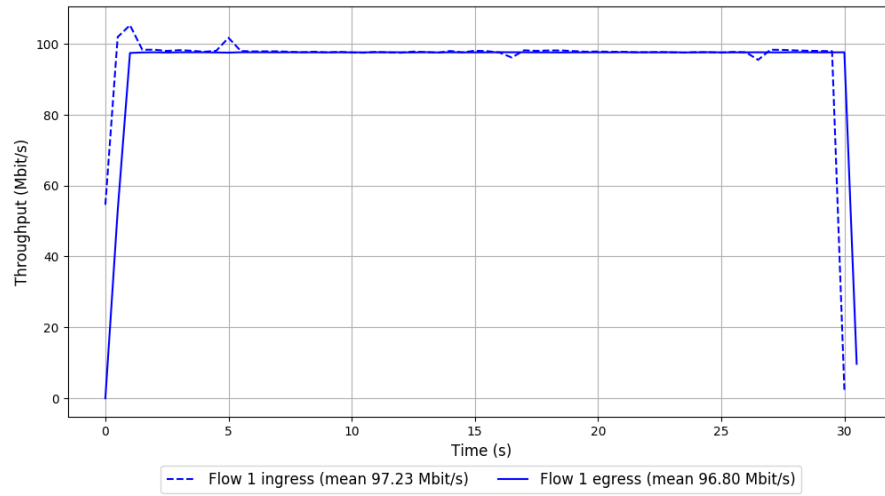


Run 2: Statistics of TCP Cubic

Start at: 2019-03-26 20:47:26  
End at: 2019-03-26 20:47:56  
Local clock offset: -5.53 ms  
Remote clock offset: -2.861 ms

# Below is generated by plot.py at 2019-03-26 22:07:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.80 Mbit/s  
95th percentile per-packet one-way delay: 46.138 ms  
Loss rate: 0.34%  
-- Flow 1:  
Average throughput: 96.80 Mbit/s  
95th percentile per-packet one-way delay: 46.138 ms  
Loss rate: 0.34%

## Run 2: Report of TCP Cubic — Data Link

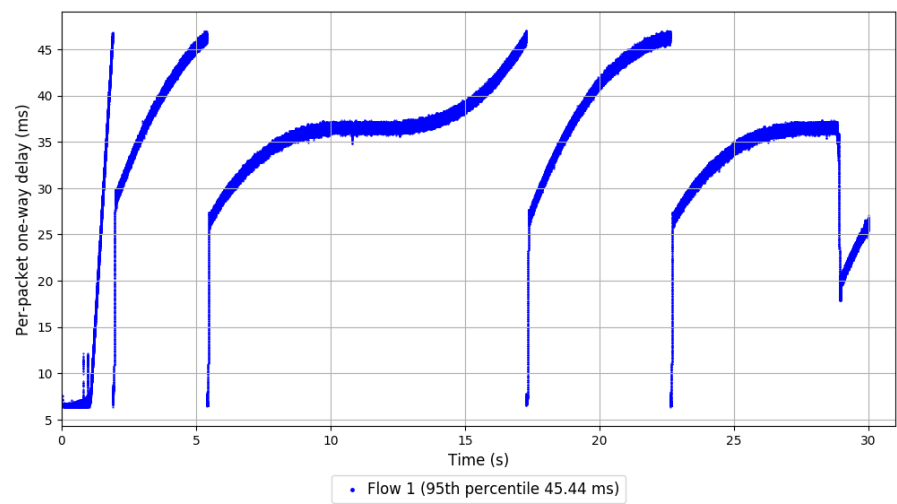
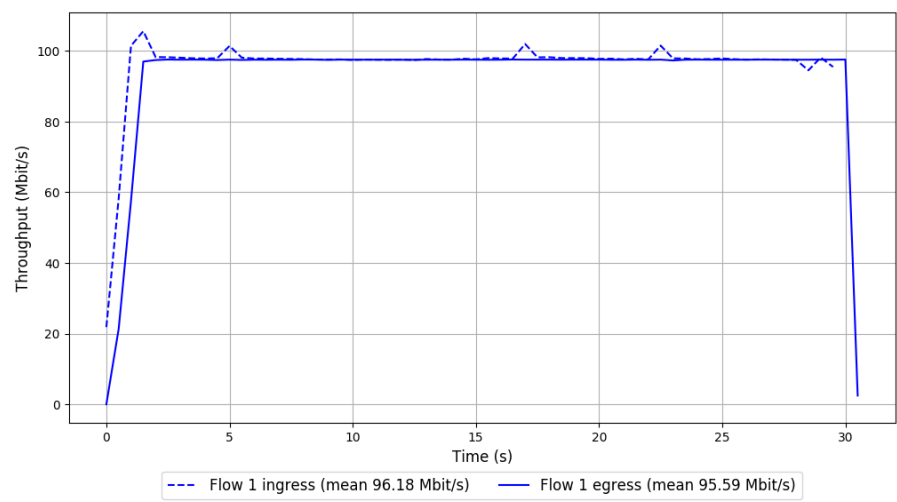


Run 3: Statistics of TCP Cubic

Start at: 2019-03-26 21:11:21  
End at: 2019-03-26 21:11:51  
Local clock offset: -1.126 ms  
Remote clock offset: -2.949 ms

# Below is generated by plot.py at 2019-03-26 22:08:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.59 Mbit/s  
95th percentile per-packet one-way delay: 45.437 ms  
Loss rate: 0.55%  
-- Flow 1:  
Average throughput: 95.59 Mbit/s  
95th percentile per-packet one-way delay: 45.437 ms  
Loss rate: 0.55%

Run 3: Report of TCP Cubic — Data Link

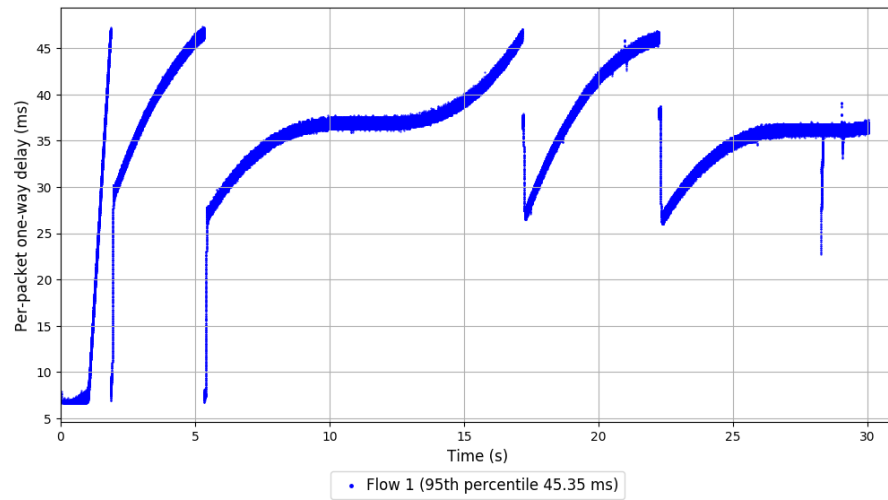
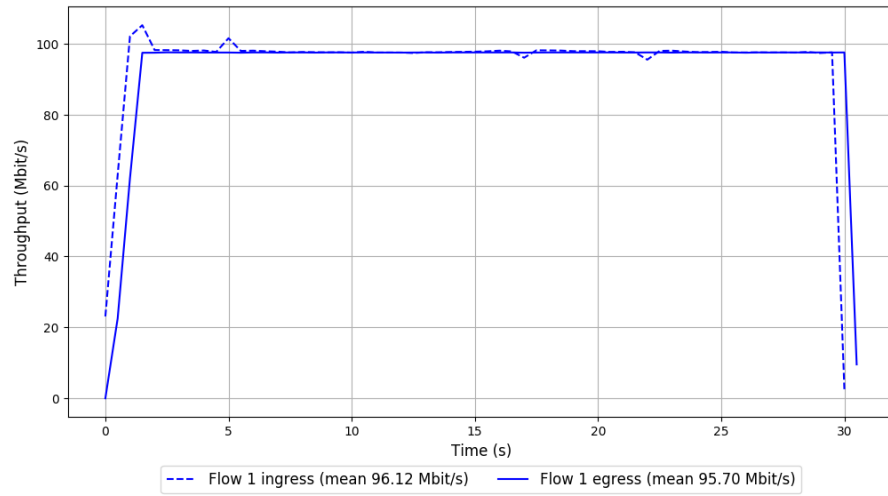


Run 4: Statistics of TCP Cubic

Start at: 2019-03-26 21:35:11  
End at: 2019-03-26 21:35:41  
Local clock offset: 0.22 ms  
Remote clock offset: -1.511 ms

# Below is generated by plot.py at 2019-03-26 22:08:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.70 Mbit/s  
95th percentile per-packet one-way delay: 45.348 ms  
Loss rate: 0.33%  
-- Flow 1:  
Average throughput: 95.70 Mbit/s  
95th percentile per-packet one-way delay: 45.348 ms  
Loss rate: 0.33%

#### Run 4: Report of TCP Cubic — Data Link

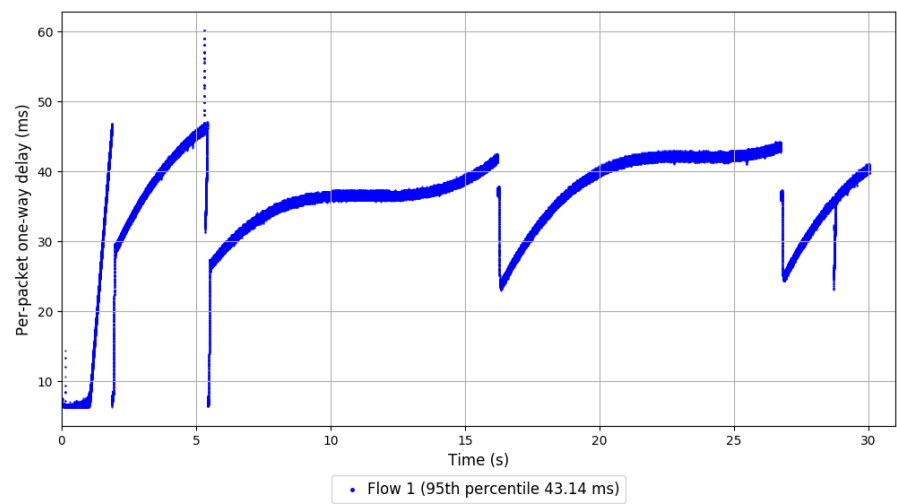
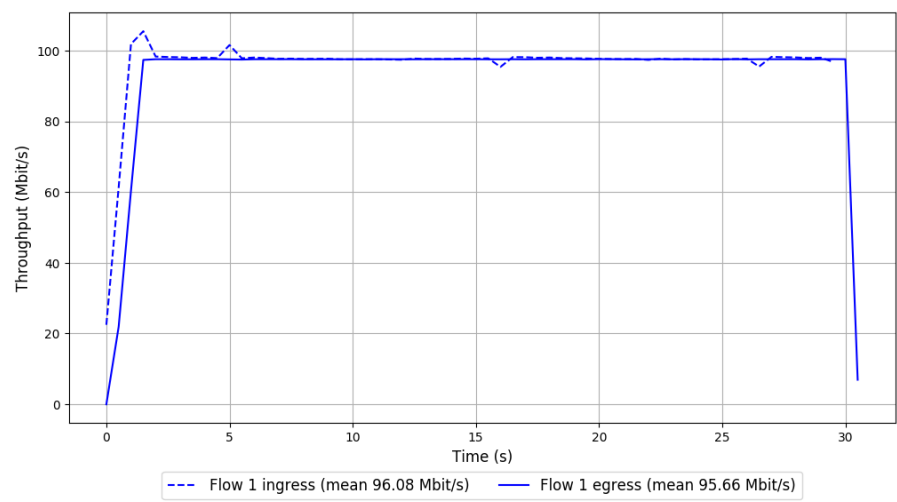


Run 5: Statistics of TCP Cubic

Start at: 2019-03-26 21:59:00  
End at: 2019-03-26 21:59:30  
Local clock offset: -0.056 ms  
Remote clock offset: -1.427 ms

# Below is generated by plot.py at 2019-03-26 22:08:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.66 Mbit/s  
95th percentile per-packet one-way delay: 43.143 ms  
Loss rate: 0.32%  
-- Flow 1:  
Average throughput: 95.66 Mbit/s  
95th percentile per-packet one-way delay: 43.143 ms  
Loss rate: 0.32%

Run 5: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2019-03-26 20:21:16

End at: 2019-03-26 20:21:46

Local clock offset: -5.024 ms

Remote clock offset: -3.5 ms

# Below is generated by plot.py at 2019-03-26 22:09:09

# Datalink statistics

-- Total of 1 flow:

Average throughput: 96.32 Mbit/s

95th percentile per-packet one-way delay: 19.266 ms

Loss rate: 0.37%

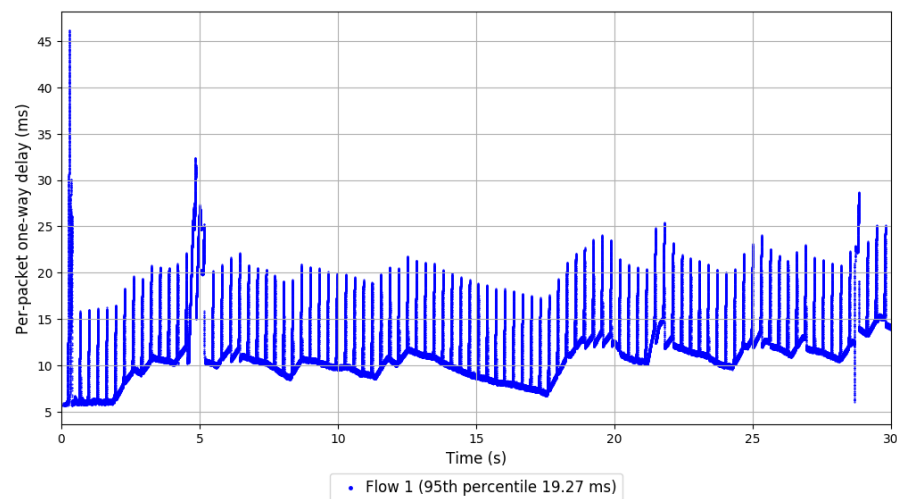
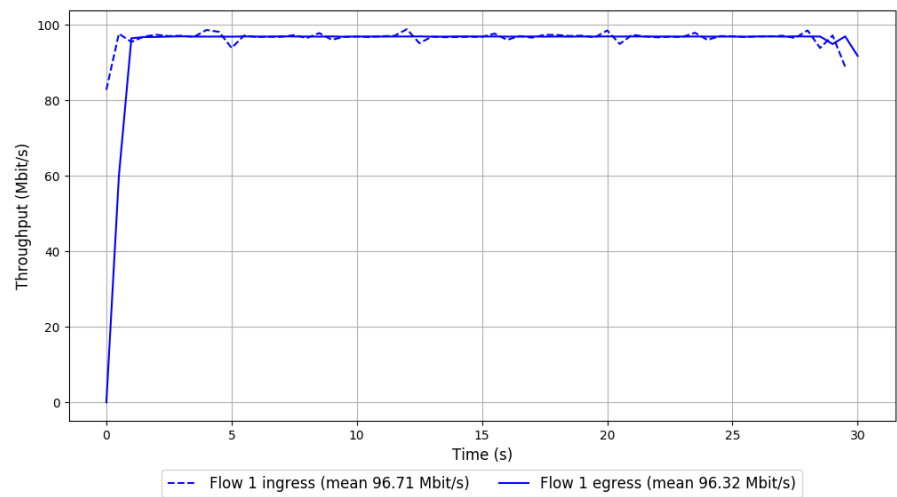
-- Flow 1:

Average throughput: 96.32 Mbit/s

95th percentile per-packet one-way delay: 19.266 ms

Loss rate: 0.37%

Run 1: Report of FillP — Data Link

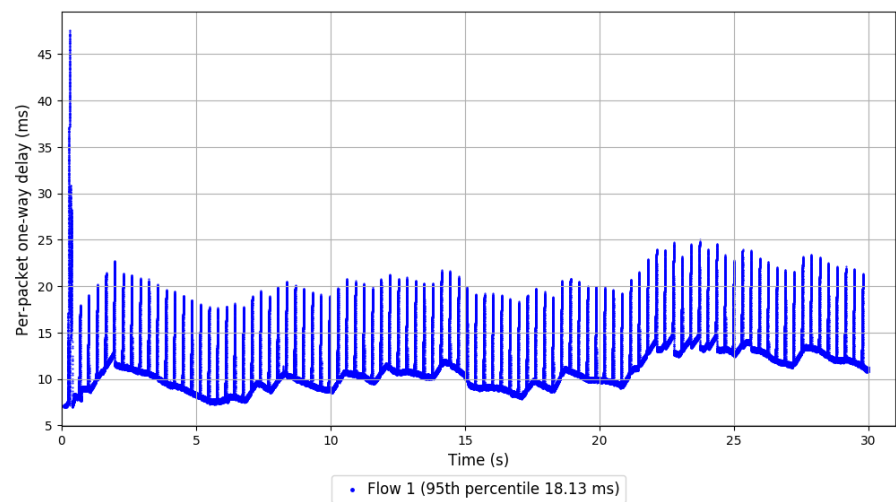
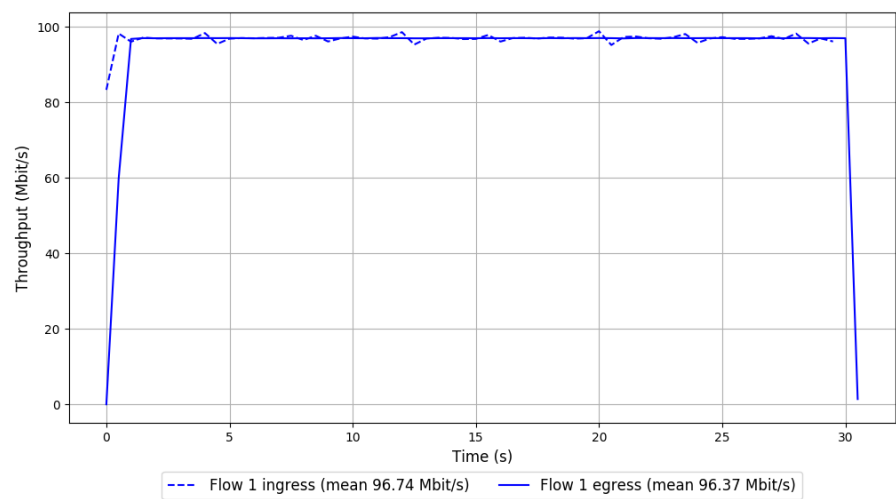


Run 2: Statistics of FillP

Start at: 2019-03-26 20:45:08  
End at: 2019-03-26 20:45:38  
Local clock offset: -5.863 ms  
Remote clock offset: -2.791 ms

# Below is generated by plot.py at 2019-03-26 22:09:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.37 Mbit/s  
95th percentile per-packet one-way delay: 18.134 ms  
Loss rate: 0.38%  
-- Flow 1:  
Average throughput: 96.37 Mbit/s  
95th percentile per-packet one-way delay: 18.134 ms  
Loss rate: 0.38%

Run 2: Report of FillP — Data Link

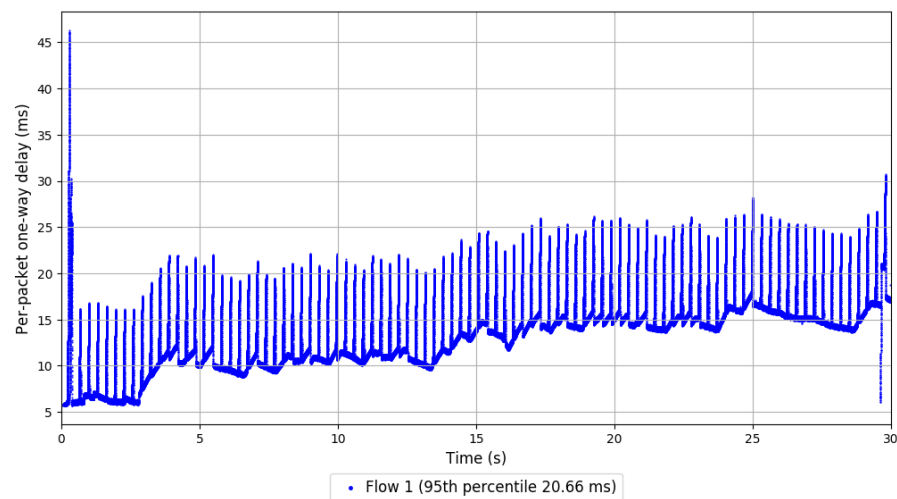
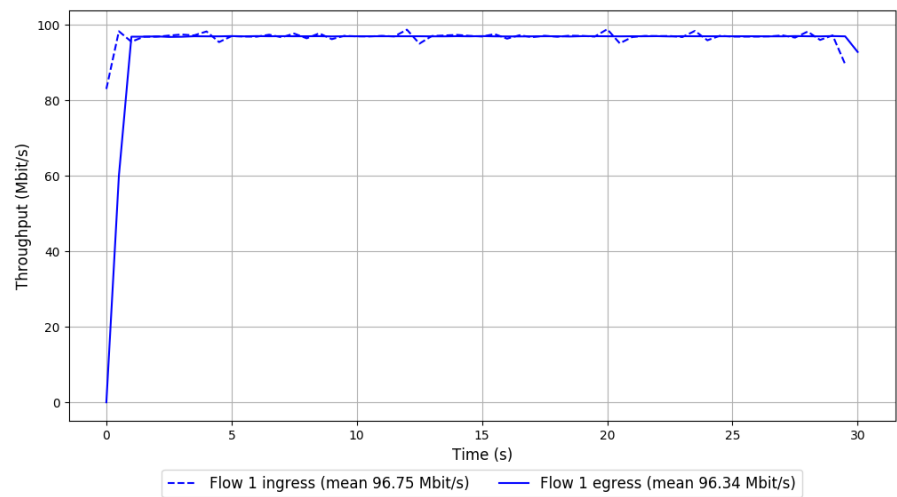


Run 3: Statistics of FillP

Start at: 2019-03-26 21:09:03  
End at: 2019-03-26 21:09:33  
Local clock offset: 0.361 ms  
Remote clock offset: -2.165 ms

# Below is generated by plot.py at 2019-03-26 22:09:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.34 Mbit/s  
95th percentile per-packet one-way delay: 20.658 ms  
Loss rate: 0.38%  
-- Flow 1:  
Average throughput: 96.34 Mbit/s  
95th percentile per-packet one-way delay: 20.658 ms  
Loss rate: 0.38%

Run 3: Report of FillP — Data Link

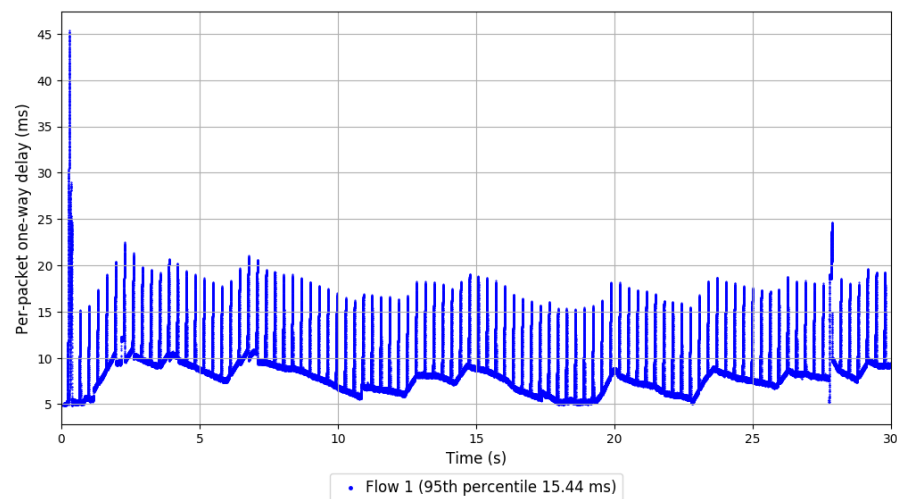
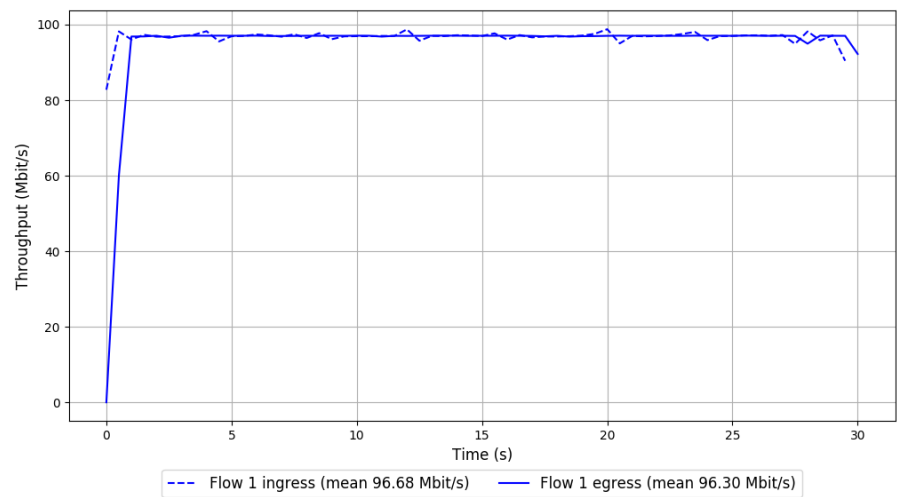


Run 4: Statistics of FillP

Start at: 2019-03-26 21:32:54  
End at: 2019-03-26 21:33:24  
Local clock offset: 2.092 ms  
Remote clock offset: -1.435 ms

# Below is generated by plot.py at 2019-03-26 22:09:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.30 Mbit/s  
95th percentile per-packet one-way delay: 15.437 ms  
Loss rate: 0.38%  
-- Flow 1:  
Average throughput: 96.30 Mbit/s  
95th percentile per-packet one-way delay: 15.437 ms  
Loss rate: 0.38%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2019-03-26 21:56:43

End at: 2019-03-26 21:57:13

Local clock offset: -1.705 ms

Remote clock offset: -0.69 ms

# Below is generated by plot.py at 2019-03-26 22:09:10

# Datalink statistics

-- Total of 1 flow:

Average throughput: 96.37 Mbit/s

95th percentile per-packet one-way delay: 21.076 ms

Loss rate: 0.37%

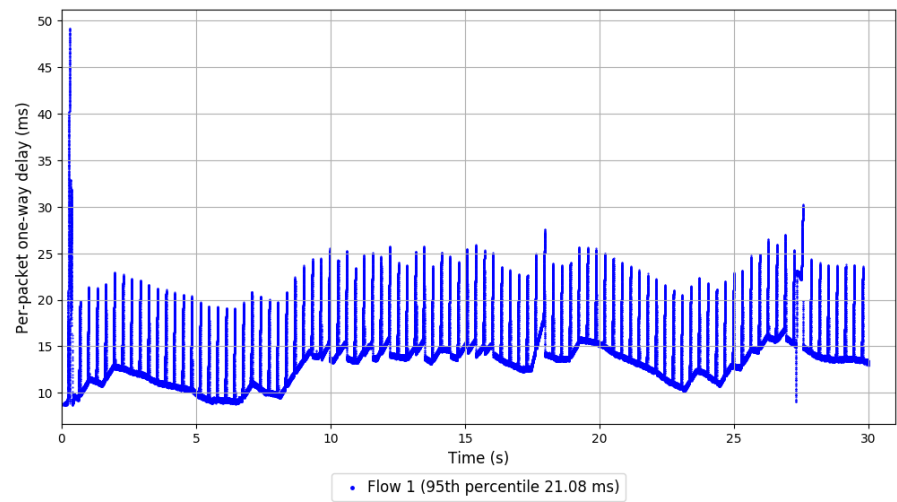
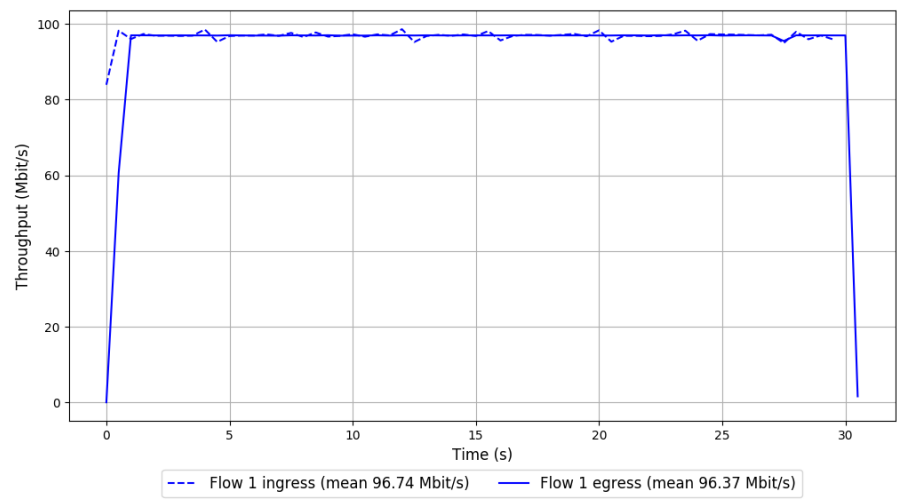
-- Flow 1:

Average throughput: 96.37 Mbit/s

95th percentile per-packet one-way delay: 21.076 ms

Loss rate: 0.37%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-03-26 20:25:54

End at: 2019-03-26 20:26:24

Local clock offset: -4.435 ms

Remote clock offset: -4.634 ms

# Below is generated by plot.py at 2019-03-26 22:09:20

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.60 Mbit/s

95th percentile per-packet one-way delay: 9.801 ms

Loss rate: 0.28%

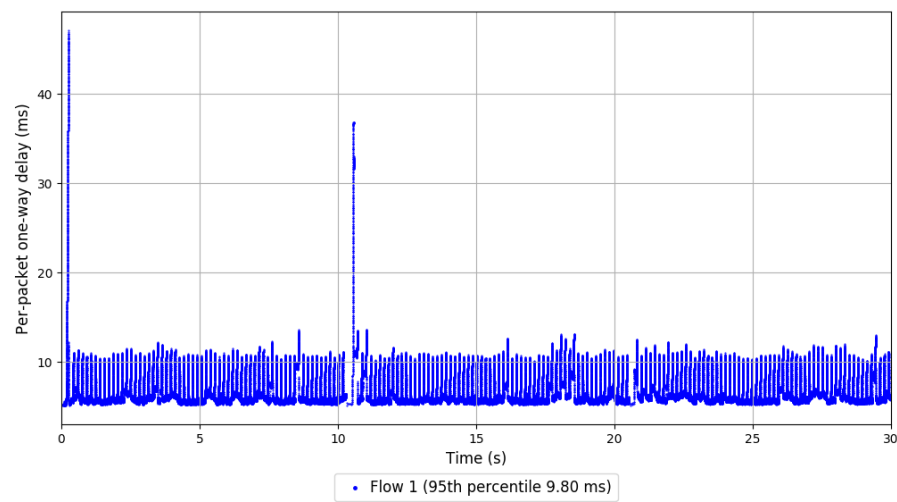
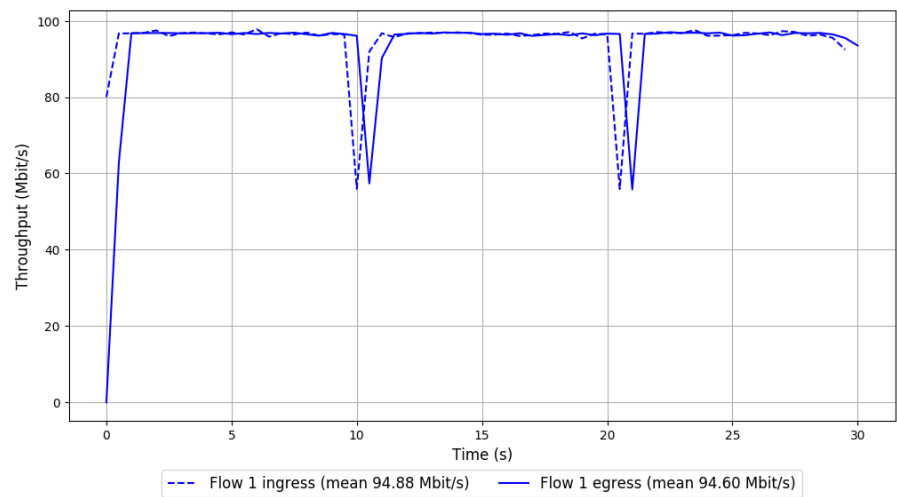
-- Flow 1:

Average throughput: 94.60 Mbit/s

95th percentile per-packet one-way delay: 9.801 ms

Loss rate: 0.28%

Run 1: Report of FillP-Sheep — Data Link

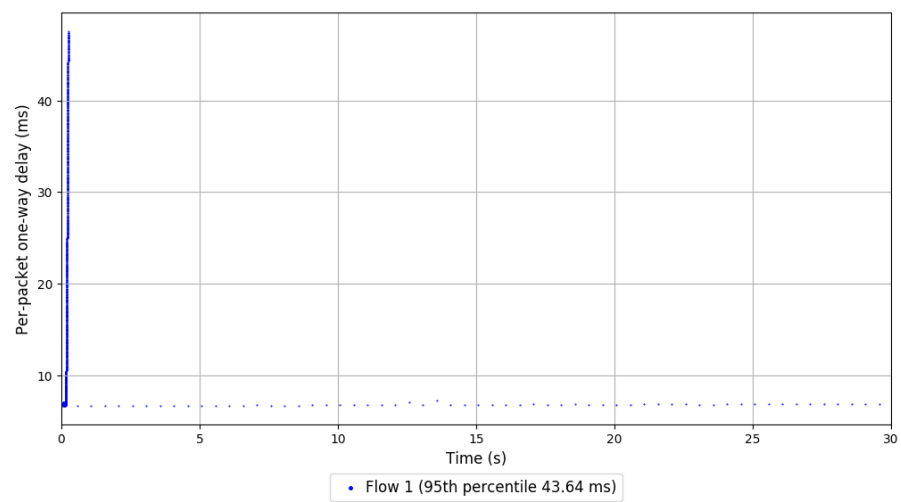
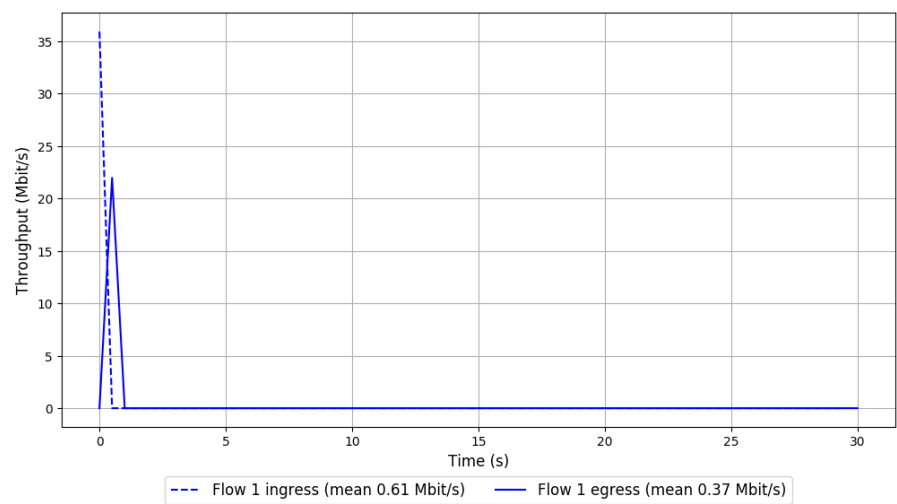


Run 2: Statistics of FillP-Sheep

Start at: 2019-03-26 20:49:45  
End at: 2019-03-26 20:50:15  
Local clock offset: -3.018 ms  
Remote clock offset: -2.385 ms

# Below is generated by plot.py at 2019-03-26 22:09:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.37 Mbit/s  
95th percentile per-packet one-way delay: 43.638 ms  
Loss rate: 38.70%  
-- Flow 1:  
Average throughput: 0.37 Mbit/s  
95th percentile per-packet one-way delay: 43.638 ms  
Loss rate: 38.70%

Run 2: Report of FillP-Sheep — Data Link

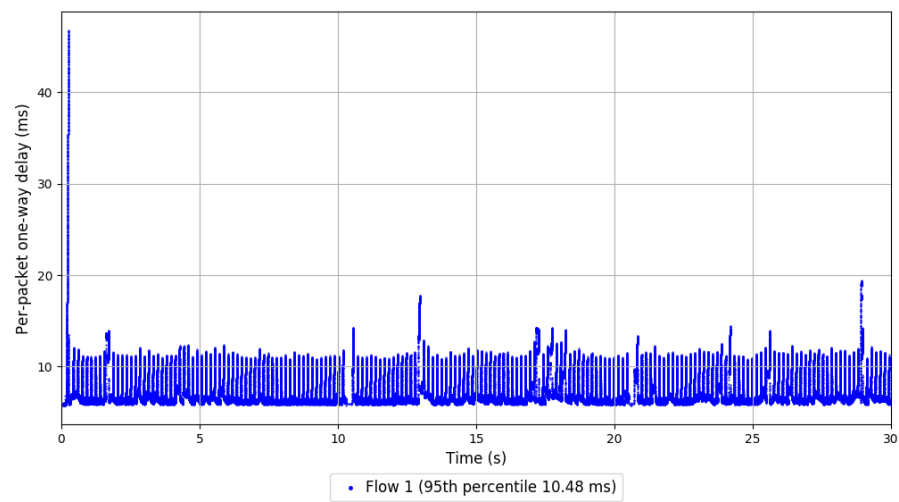
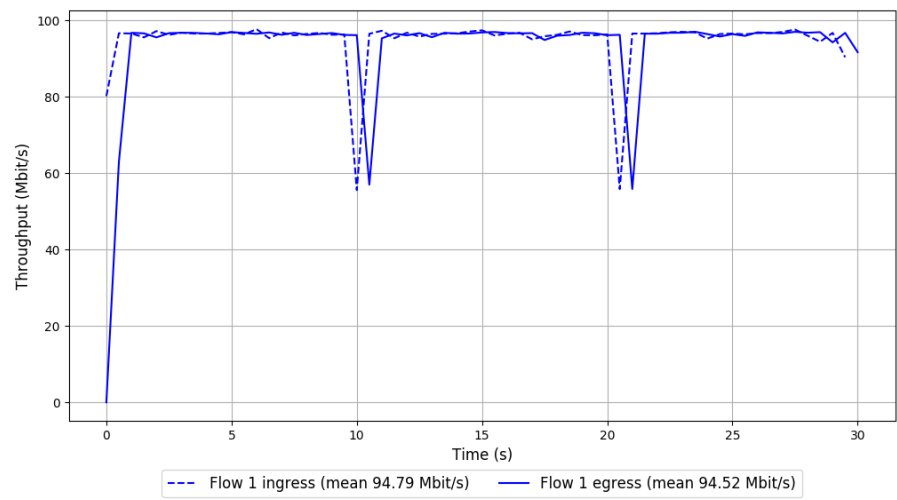


Run 3: Statistics of FillP-Sheep

Start at: 2019-03-26 21:13:40  
End at: 2019-03-26 21:14:10  
Local clock offset: -0.762 ms  
Remote clock offset: -3.003 ms

# Below is generated by plot.py at 2019-03-26 22:10:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.52 Mbit/s  
95th percentile per-packet one-way delay: 10.479 ms  
Loss rate: 0.28%  
-- Flow 1:  
Average throughput: 94.52 Mbit/s  
95th percentile per-packet one-way delay: 10.479 ms  
Loss rate: 0.28%

Run 3: Report of FillP-Sheep — Data Link

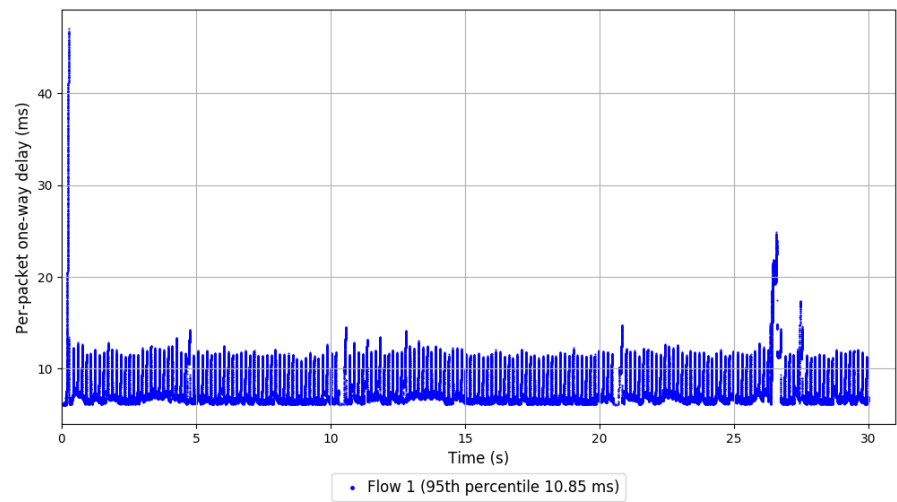
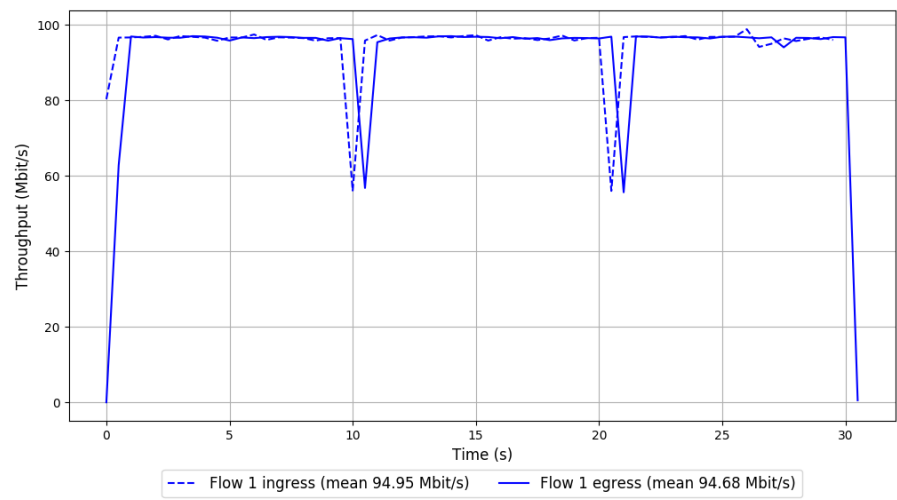


Run 4: Statistics of FillP-Sheep

Start at: 2019-03-26 21:37:30  
End at: 2019-03-26 21:38:00  
Local clock offset: -0.058 ms  
Remote clock offset: -2.399 ms

# Below is generated by plot.py at 2019-03-26 22:10:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.68 Mbit/s  
95th percentile per-packet one-way delay: 10.846 ms  
Loss rate: 0.28%  
-- Flow 1:  
Average throughput: 94.68 Mbit/s  
95th percentile per-packet one-way delay: 10.846 ms  
Loss rate: 0.28%

Run 4: Report of FillP-Sheep — Data Link

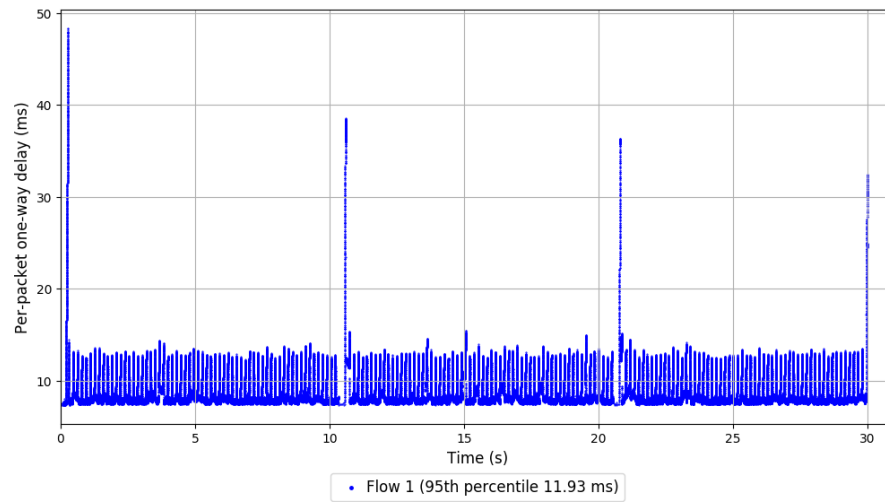
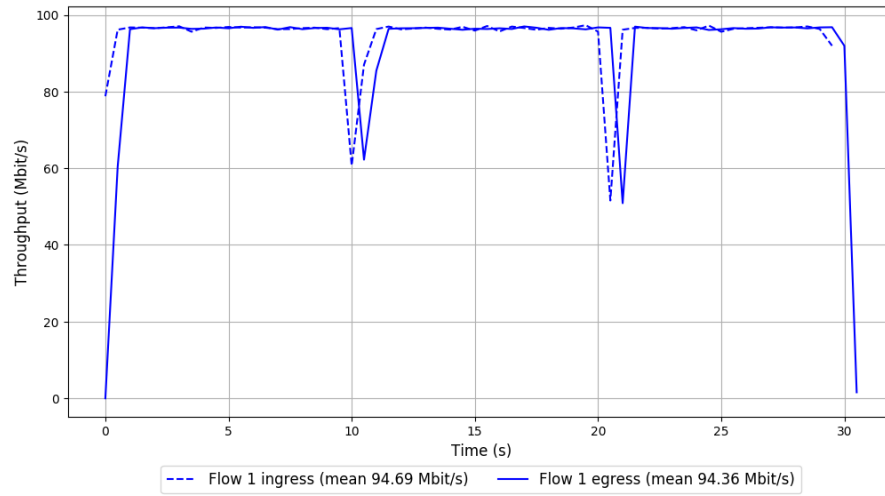


Run 5: Statistics of FillP-Sheep

Start at: 2019-03-26 22:01:17  
End at: 2019-03-26 22:01:47  
Local clock offset: -1.592 ms  
Remote clock offset: -1.779 ms

# Below is generated by plot.py at 2019-03-26 22:10:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.36 Mbit/s  
95th percentile per-packet one-way delay: 11.925 ms  
Loss rate: 0.30%  
-- Flow 1:  
Average throughput: 94.36 Mbit/s  
95th percentile per-packet one-way delay: 11.925 ms  
Loss rate: 0.30%

### Run 5: Report of FillP-Sheep — Data Link

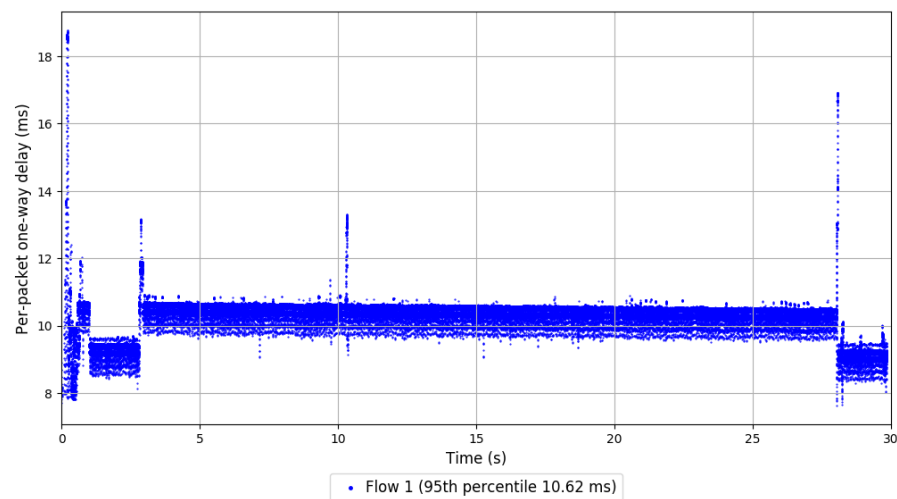
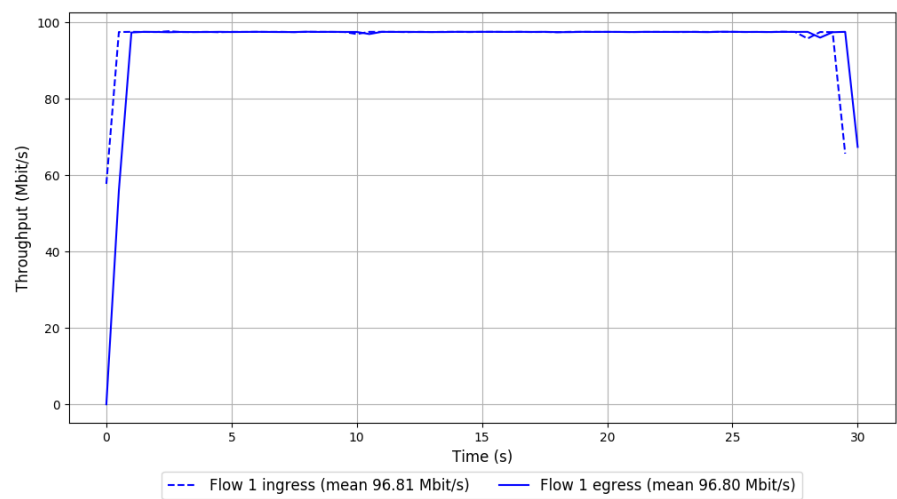


Run 1: Statistics of Indigo

Start at: 2019-03-26 20:12:14  
End at: 2019-03-26 20:12:44  
Local clock offset: -8.736 ms  
Remote clock offset: -4.759 ms

# Below is generated by plot.py at 2019-03-26 22:10:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.80 Mbit/s  
95th percentile per-packet one-way delay: 10.624 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 96.80 Mbit/s  
95th percentile per-packet one-way delay: 10.624 ms  
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

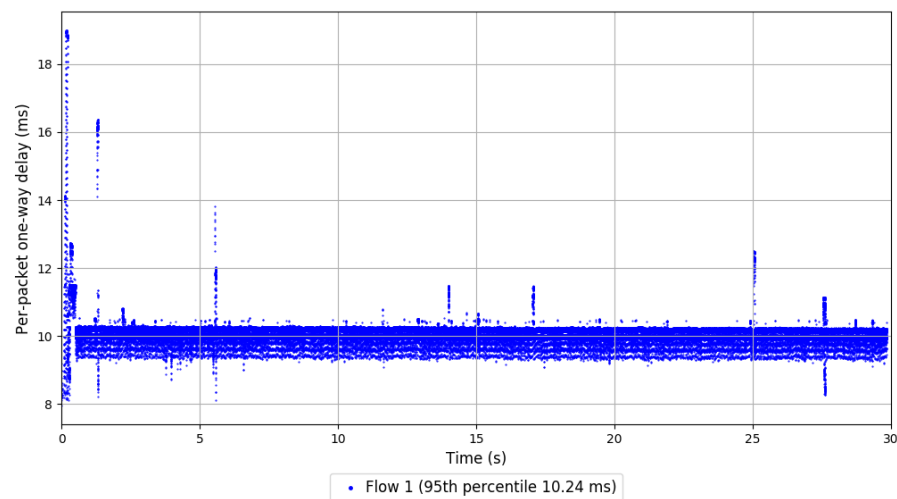
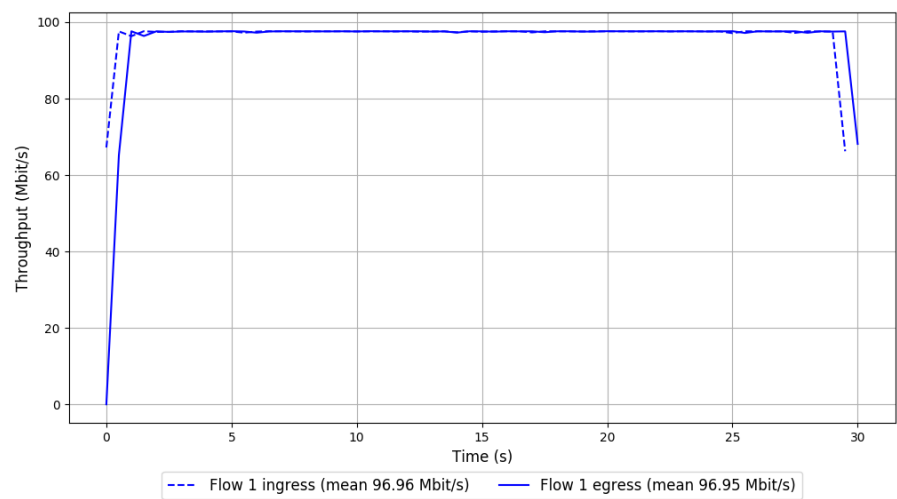


Run 2: Statistics of Indigo

Start at: 2019-03-26 20:36:05  
End at: 2019-03-26 20:36:35  
Local clock offset: -5.08 ms  
Remote clock offset: -2.279 ms

# Below is generated by plot.py at 2019-03-26 22:10:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.95 Mbit/s  
95th percentile per-packet one-way delay: 10.240 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 96.95 Mbit/s  
95th percentile per-packet one-way delay: 10.240 ms  
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

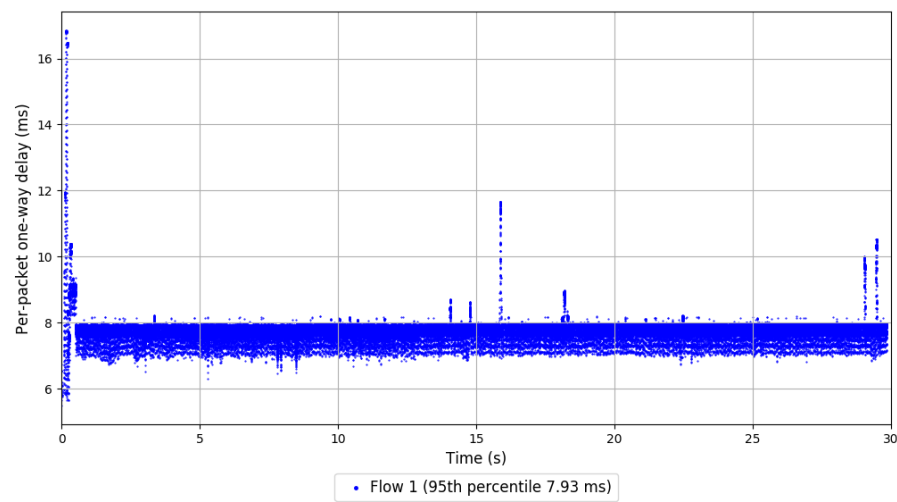
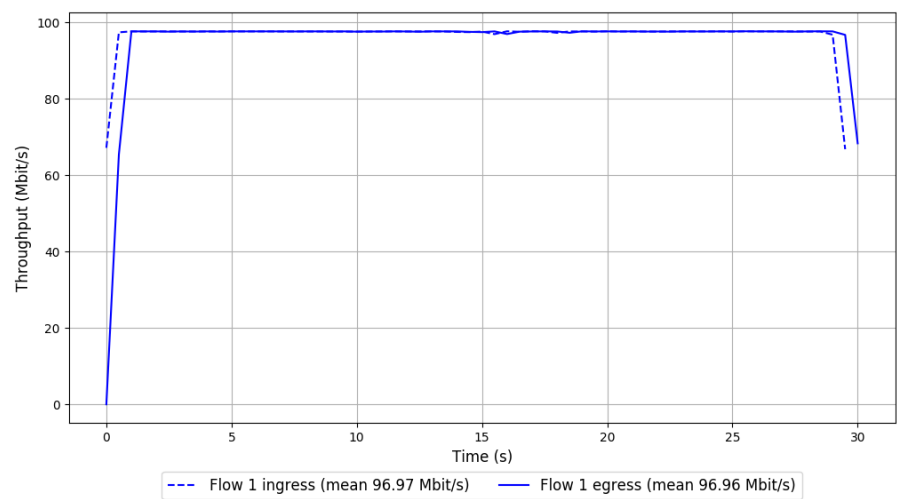


Run 3: Statistics of Indigo

Start at: 2019-03-26 20:59:59  
End at: 2019-03-26 21:00:29  
Local clock offset: -1.326 ms  
Remote clock offset: -3.833 ms

# Below is generated by plot.py at 2019-03-26 22:10:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.96 Mbit/s  
95th percentile per-packet one-way delay: 7.934 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 96.96 Mbit/s  
95th percentile per-packet one-way delay: 7.934 ms  
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

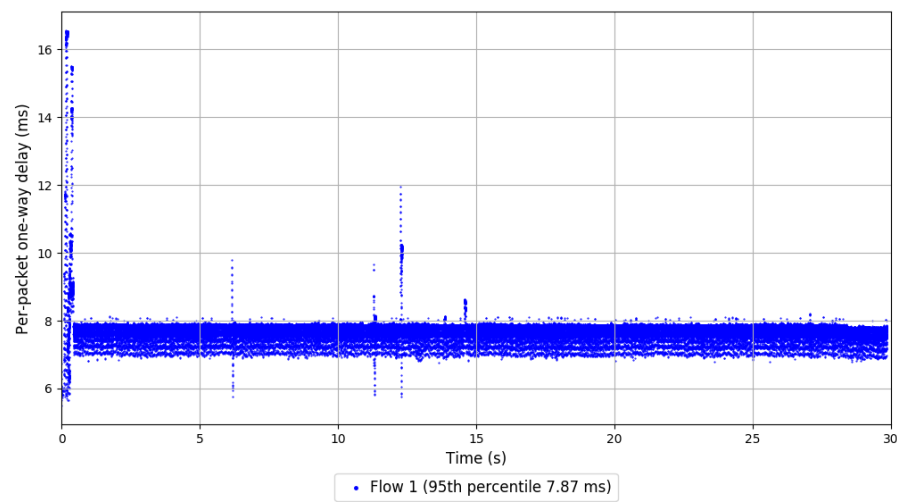
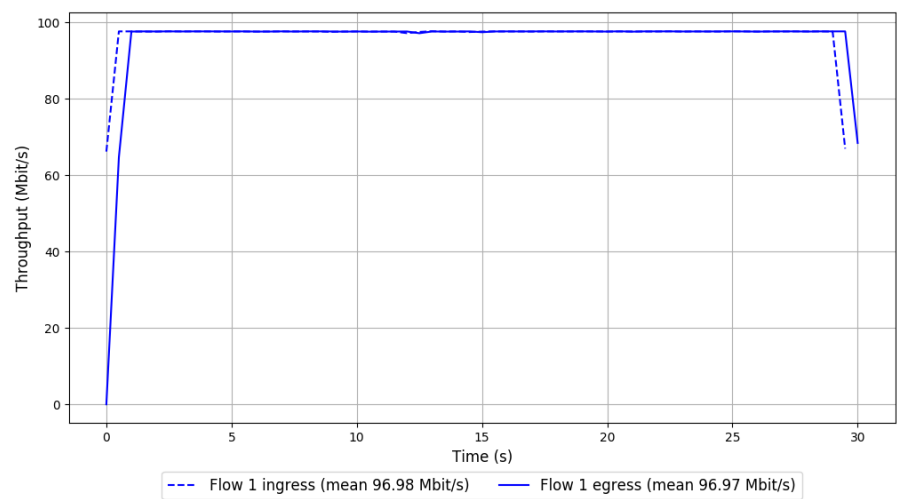


Run 4: Statistics of Indigo

Start at: 2019-03-26 21:23:48  
End at: 2019-03-26 21:24:18  
Local clock offset: -0.064 ms  
Remote clock offset: -3.112 ms

# Below is generated by plot.py at 2019-03-26 22:10:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.97 Mbit/s  
95th percentile per-packet one-way delay: 7.865 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 96.97 Mbit/s  
95th percentile per-packet one-way delay: 7.865 ms  
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

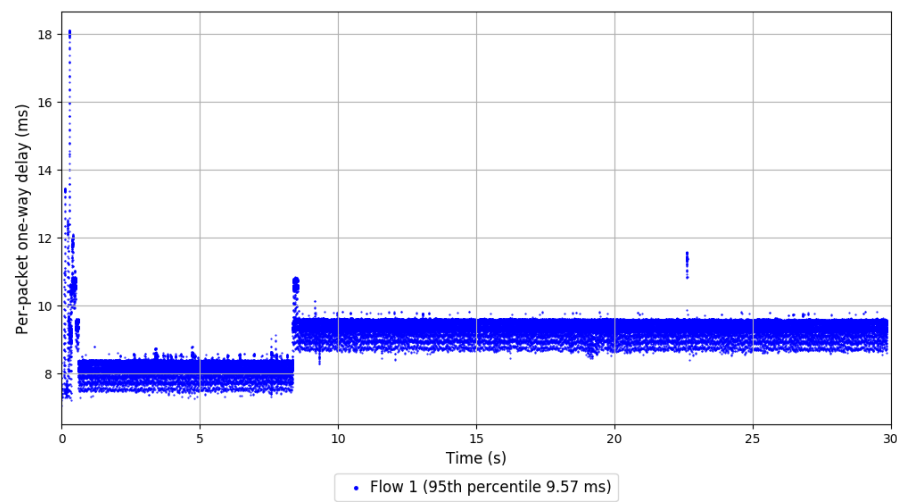
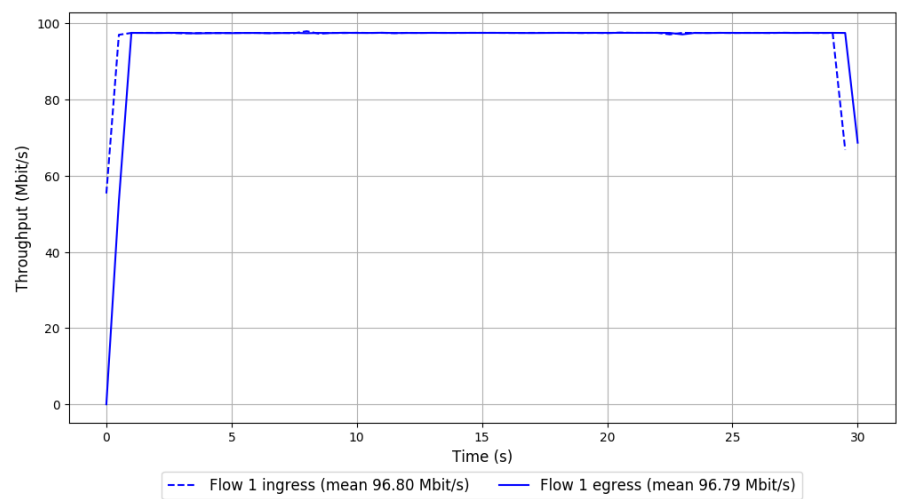


Run 5: Statistics of Indigo

Start at: 2019-03-26 21:47:41  
End at: 2019-03-26 21:48:11  
Local clock offset: -0.066 ms  
Remote clock offset: -0.994 ms

# Below is generated by plot.py at 2019-03-26 22:10:26  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.79 Mbit/s  
95th percentile per-packet one-way delay: 9.566 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 96.79 Mbit/s  
95th percentile per-packet one-way delay: 9.566 ms  
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

Start at: 2019-03-26 20:14:34

End at: 2019-03-26 20:15:04

Local clock offset: -9.612 ms

Remote clock offset: -4.71 ms

# Below is generated by plot.py at 2019-03-26 22:11:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 96.62 Mbit/s

95th percentile per-packet one-way delay: 9.490 ms

Loss rate: 0.00%

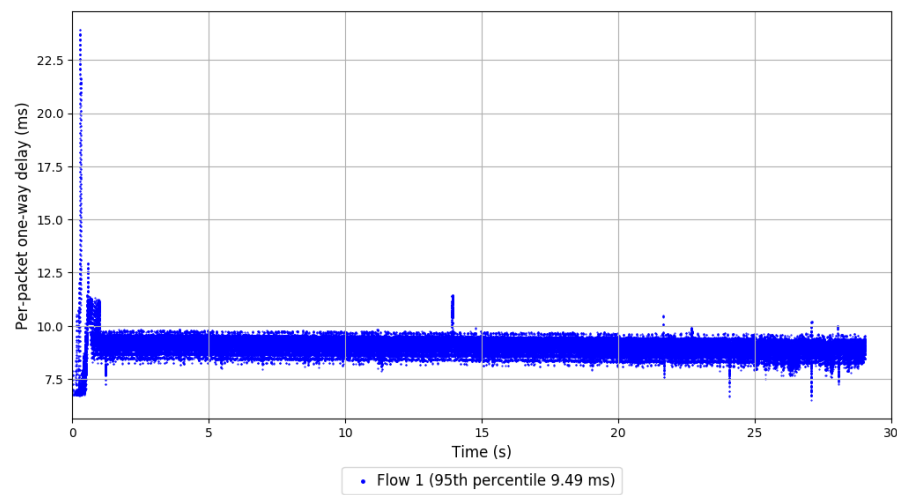
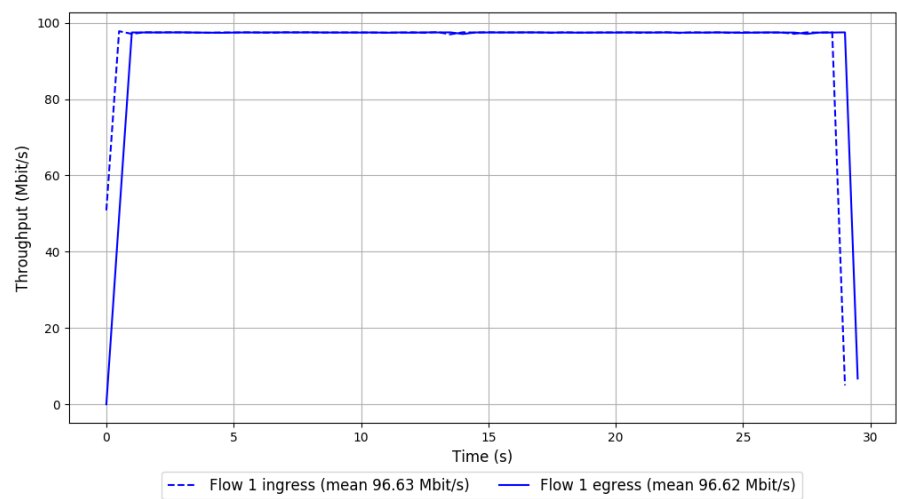
-- Flow 1:

Average throughput: 96.62 Mbit/s

95th percentile per-packet one-way delay: 9.490 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesC3 — Data Link

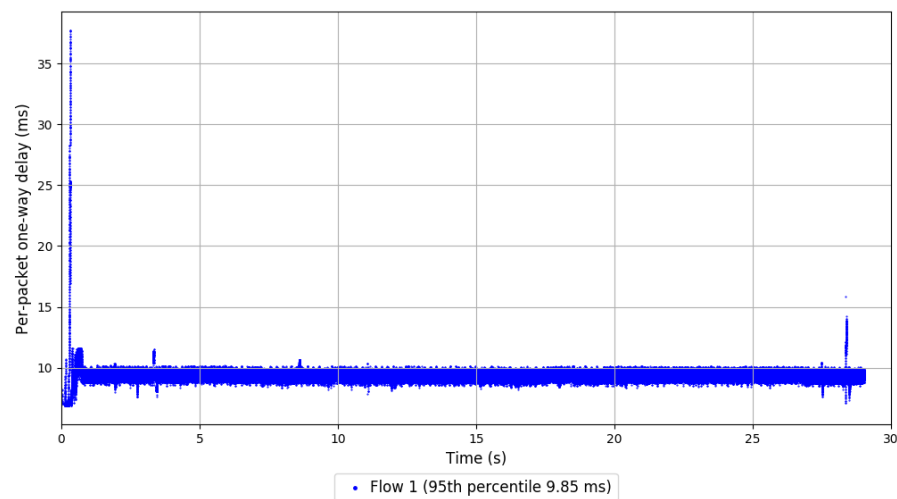
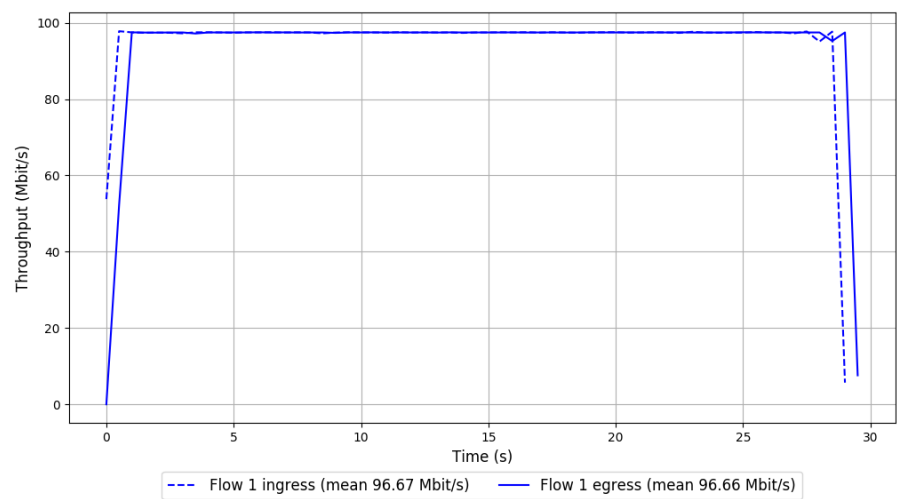


Run 2: Statistics of Indigo-MusesC3

Start at: 2019-03-26 20:38:25  
End at: 2019-03-26 20:38:55  
Local clock offset: -5.125 ms  
Remote clock offset: -3.272 ms

# Below is generated by plot.py at 2019-03-26 22:11:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.66 Mbit/s  
95th percentile per-packet one-way delay: 9.853 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 96.66 Mbit/s  
95th percentile per-packet one-way delay: 9.853 ms  
Loss rate: 0.00%

Run 2: Report of Indigo-MusesC3 — Data Link

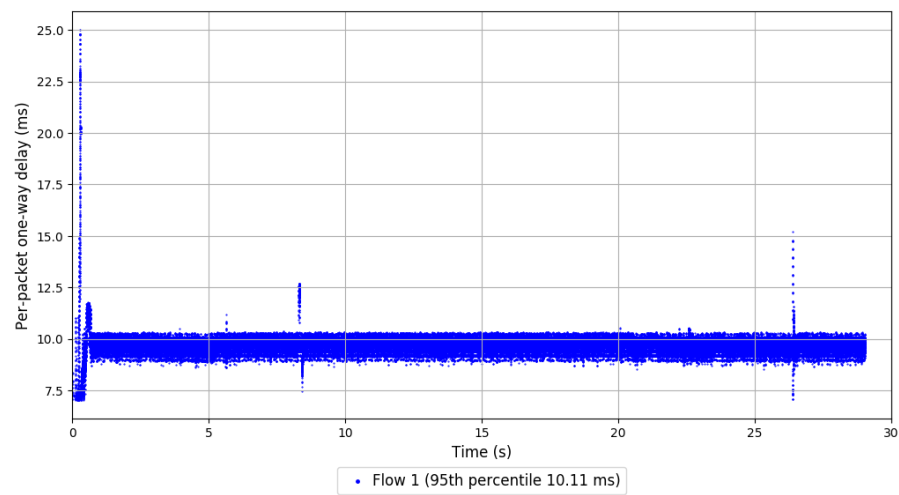
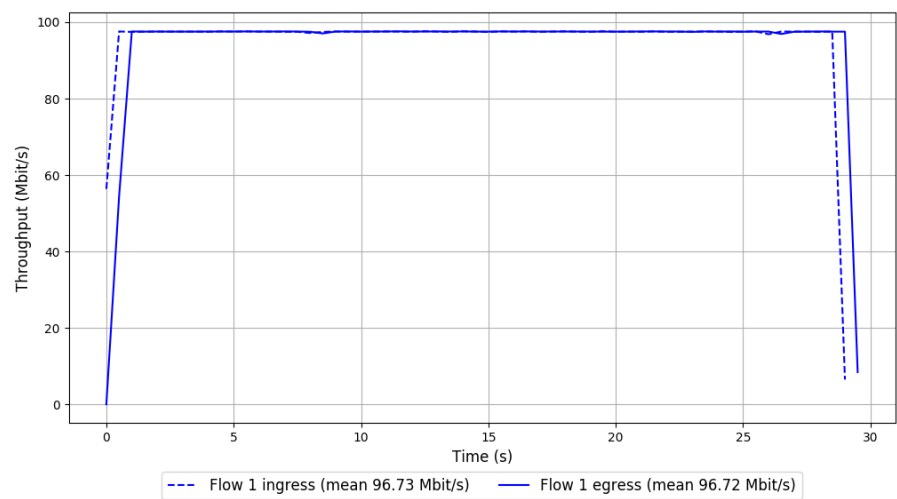


Run 3: Statistics of Indigo-MusesC3

Start at: 2019-03-26 21:02:21  
End at: 2019-03-26 21:02:51  
Local clock offset: -1.66 ms  
Remote clock offset: -3.028 ms

# Below is generated by plot.py at 2019-03-26 22:11:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.72 Mbit/s  
95th percentile per-packet one-way delay: 10.109 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 96.72 Mbit/s  
95th percentile per-packet one-way delay: 10.109 ms  
Loss rate: 0.00%

Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2019-03-26 21:26:08

End at: 2019-03-26 21:26:38

Local clock offset: -0.711 ms

Remote clock offset: -2.21 ms

# Below is generated by plot.py at 2019-03-26 22:11:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 96.67 Mbit/s

95th percentile per-packet one-way delay: 10.490 ms

Loss rate: 0.06%

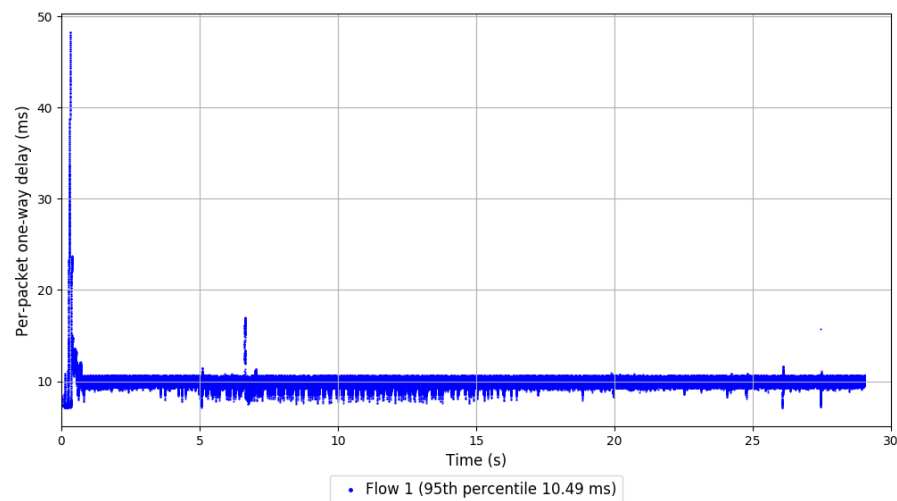
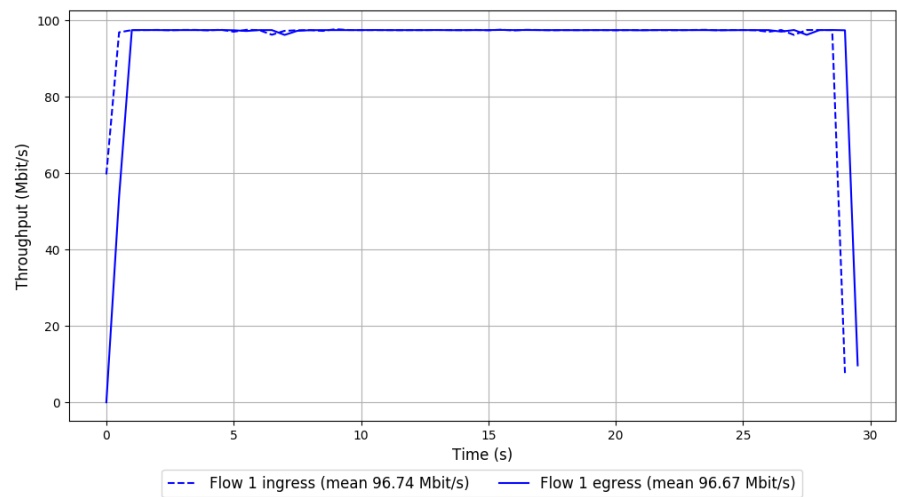
-- Flow 1:

Average throughput: 96.67 Mbit/s

95th percentile per-packet one-way delay: 10.490 ms

Loss rate: 0.06%

Run 4: Report of Indigo-MusesC3 — Data Link

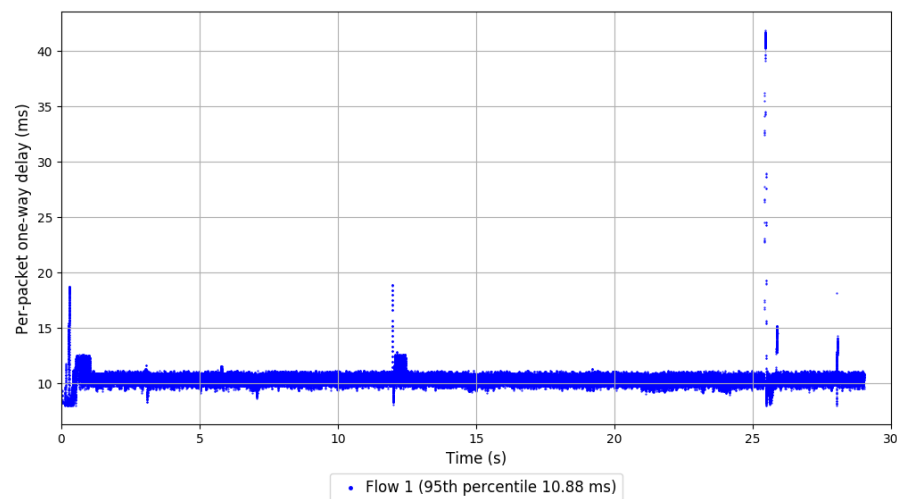
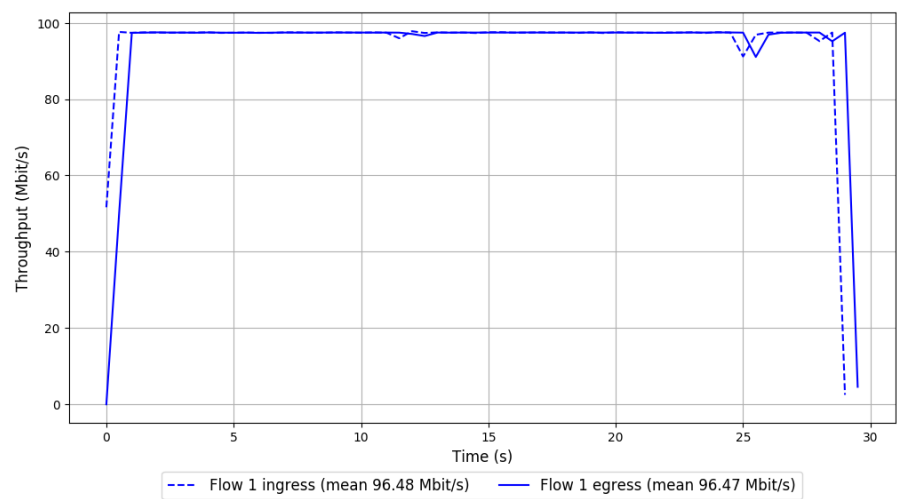


Run 5: Statistics of Indigo-MusesC3

Start at: 2019-03-26 21:50:02  
End at: 2019-03-26 21:50:32  
Local clock offset: -1.05 ms  
Remote clock offset: -1.184 ms

# Below is generated by plot.py at 2019-03-26 22:11:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.47 Mbit/s  
95th percentile per-packet one-way delay: 10.878 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 96.47 Mbit/s  
95th percentile per-packet one-way delay: 10.878 ms  
Loss rate: 0.00%

Run 5: Report of Indigo-MusesC3 — Data Link

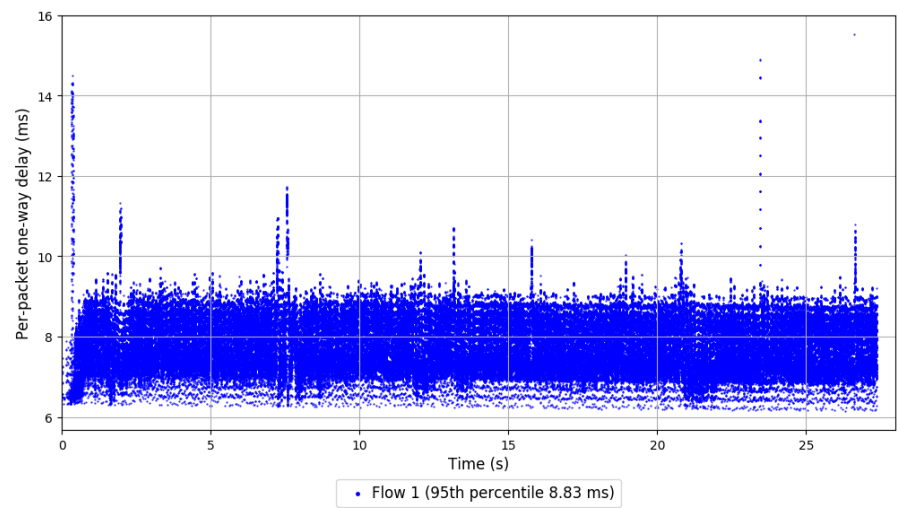
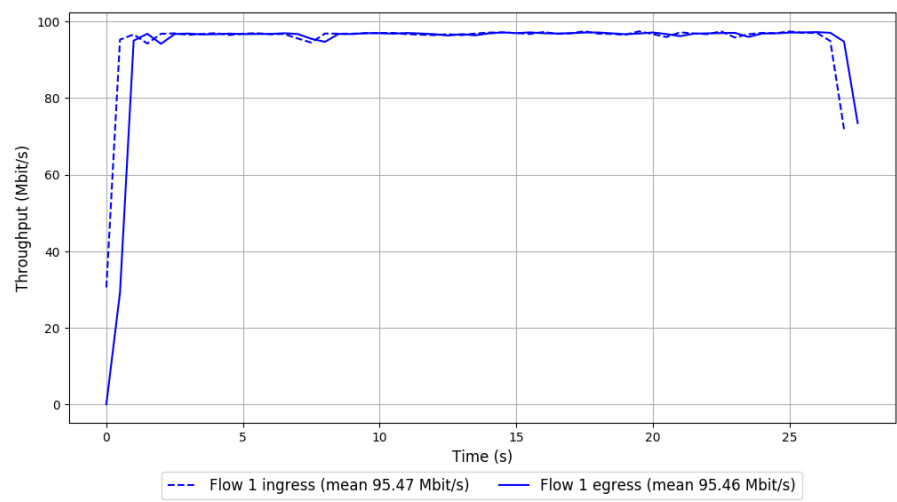


Run 1: Statistics of Indigo-MusesC5

Start at: 2019-03-26 20:09:59  
End at: 2019-03-26 20:10:30  
Local clock offset: -8.907 ms  
Remote clock offset: -6.367 ms

# Below is generated by plot.py at 2019-03-26 22:11:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.46 Mbit/s  
95th percentile per-packet one-way delay: 8.828 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 95.46 Mbit/s  
95th percentile per-packet one-way delay: 8.828 ms  
Loss rate: 0.00%

Run 1: Report of Indigo-MusesC5 — Data Link



Run 2: Statistics of Indigo-MusesC5

Start at: 2019-03-26 20:33:50

End at: 2019-03-26 20:34:20

Local clock offset: -4.38 ms

Remote clock offset: -3.45 ms

# Below is generated by plot.py at 2019-03-26 22:11:28

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.46 Mbit/s

95th percentile per-packet one-way delay: 8.924 ms

Loss rate: 0.00%

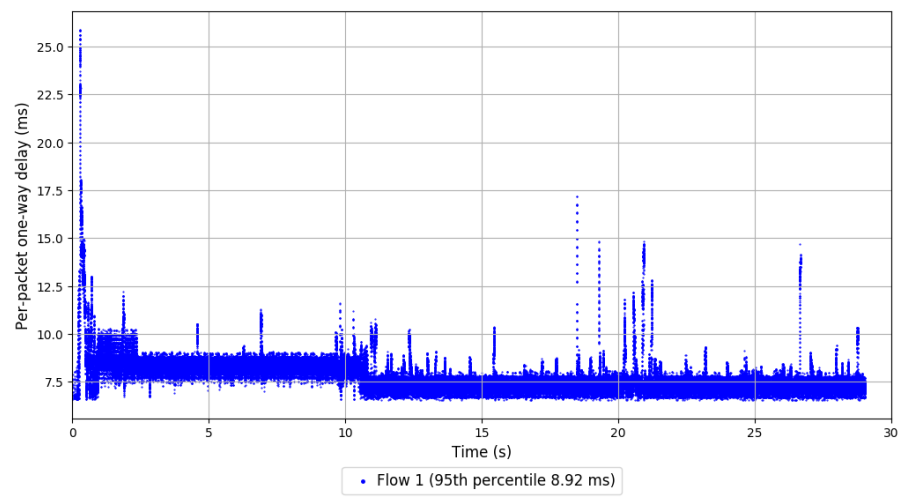
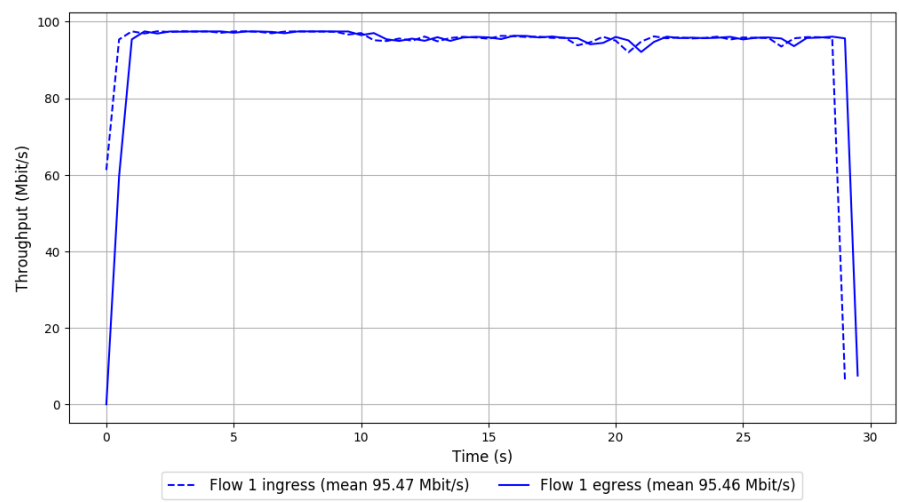
-- Flow 1:

Average throughput: 95.46 Mbit/s

95th percentile per-packet one-way delay: 8.924 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesC5 — Data Link

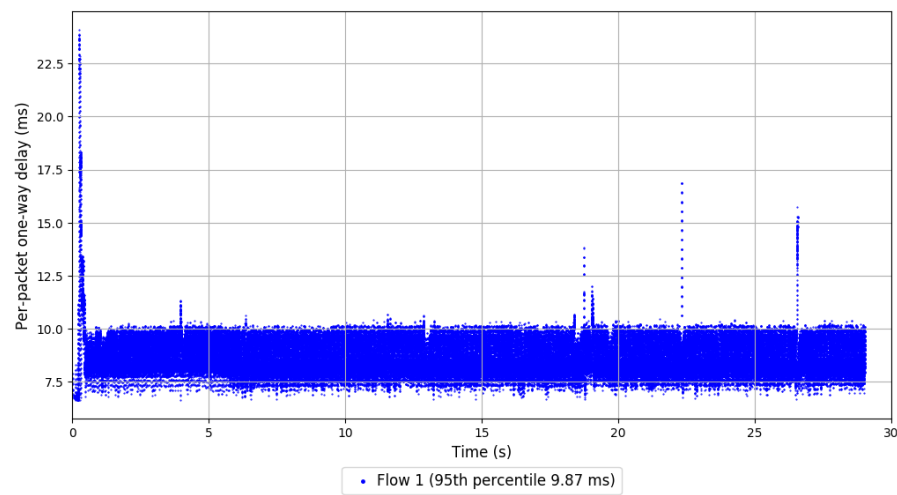
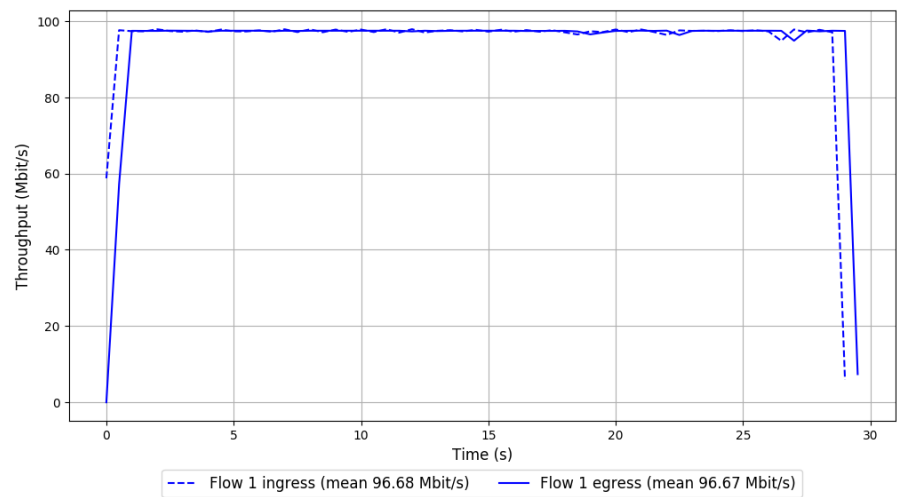


Run 3: Statistics of Indigo-MusesC5

Start at: 2019-03-26 20:57:44  
End at: 2019-03-26 20:58:14  
Local clock offset: -0.513 ms  
Remote clock offset: -1.891 ms

# Below is generated by plot.py at 2019-03-26 22:11:32  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.67 Mbit/s  
95th percentile per-packet one-way delay: 9.865 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 96.67 Mbit/s  
95th percentile per-packet one-way delay: 9.865 ms  
Loss rate: 0.00%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-03-26 21:21:34

End at: 2019-03-26 21:22:04

Local clock offset: 0.337 ms

Remote clock offset: -1.63 ms

# Below is generated by plot.py at 2019-03-26 22:12:13

# Datalink statistics

-- Total of 1 flow:

Average throughput: 96.70 Mbit/s

95th percentile per-packet one-way delay: 9.748 ms

Loss rate: 0.00%

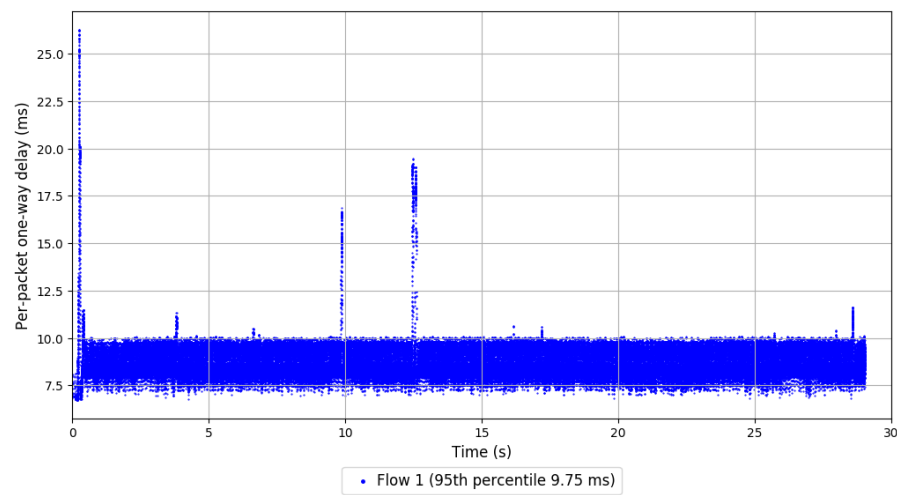
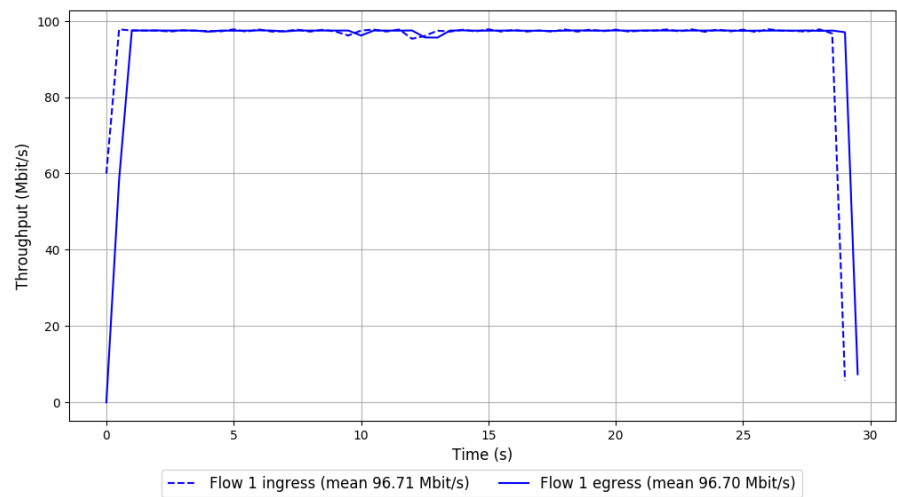
-- Flow 1:

Average throughput: 96.70 Mbit/s

95th percentile per-packet one-way delay: 9.748 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesC5 — Data Link

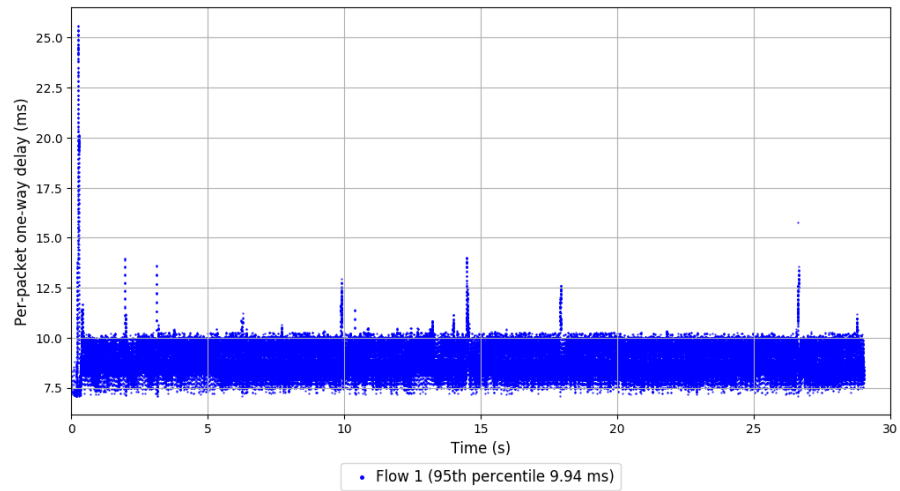
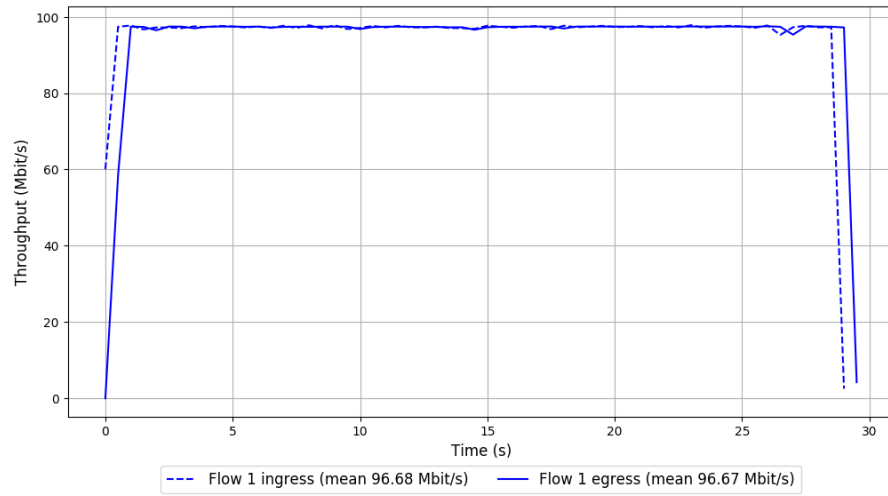


Run 5: Statistics of Indigo-MusesC5

Start at: 2019-03-26 21:45:26  
End at: 2019-03-26 21:45:56  
Local clock offset: -0.116 ms  
Remote clock offset: -1.438 ms

# Below is generated by plot.py at 2019-03-26 22:12:14  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.67 Mbit/s  
95th percentile per-packet one-way delay: 9.944 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 96.67 Mbit/s  
95th percentile per-packet one-way delay: 9.944 ms  
Loss rate: 0.00%

## Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

Start at: 2019-03-26 20:27:03

End at: 2019-03-26 20:27:33

Local clock offset: -3.151 ms

Remote clock offset: -3.758 ms

# Below is generated by plot.py at 2019-03-26 22:12:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 96.30 Mbit/s

95th percentile per-packet one-way delay: 7.944 ms

Loss rate: 0.00%

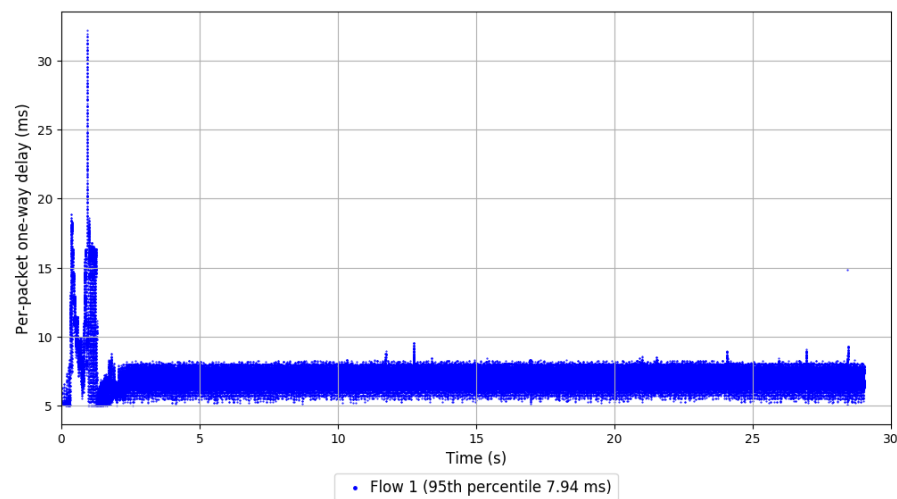
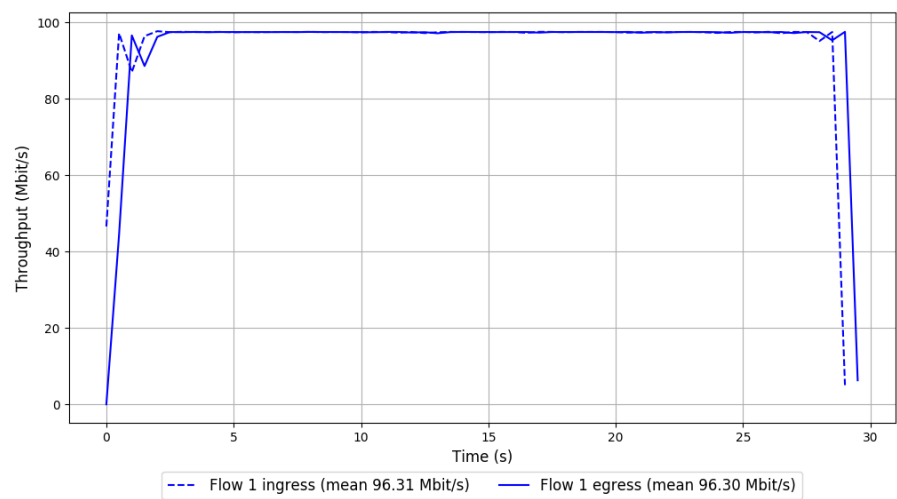
-- Flow 1:

Average throughput: 96.30 Mbit/s

95th percentile per-packet one-way delay: 7.944 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesD — Data Link

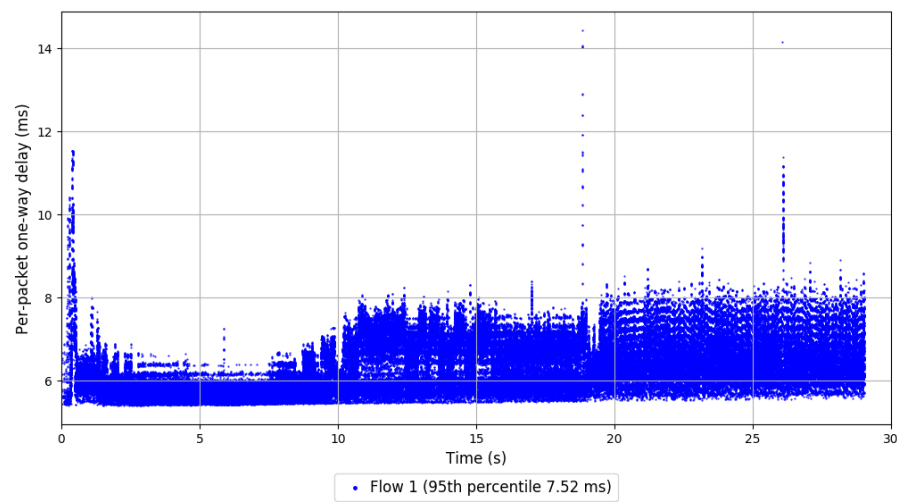
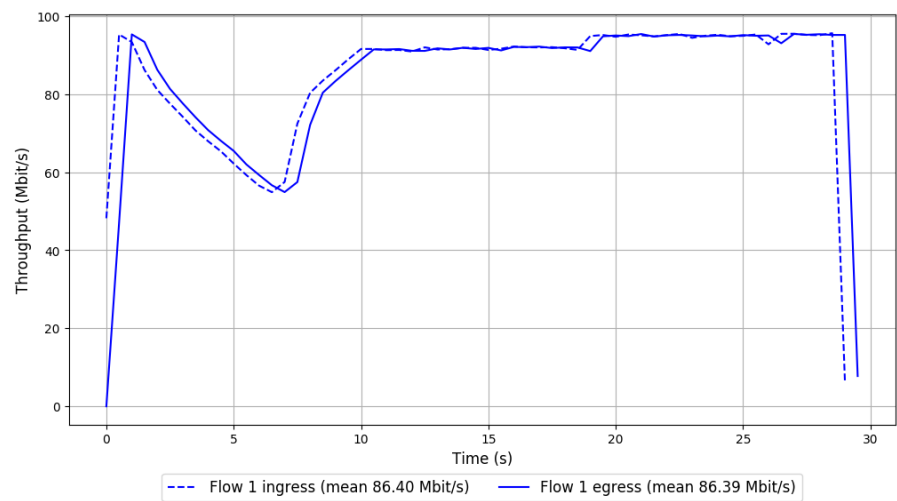


Run 2: Statistics of Indigo-MusesD

Start at: 2019-03-26 20:50:50  
End at: 2019-03-26 20:51:20  
Local clock offset: -3.018 ms  
Remote clock offset: -4.144 ms

# Below is generated by plot.py at 2019-03-26 22:12:14  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 86.39 Mbit/s  
95th percentile per-packet one-way delay: 7.519 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 86.39 Mbit/s  
95th percentile per-packet one-way delay: 7.519 ms  
Loss rate: 0.00%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-03-26 21:14:48

End at: 2019-03-26 21:15:19

Local clock offset: -1.254 ms

Remote clock offset: -2.329 ms

# Below is generated by plot.py at 2019-03-26 22:12:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.85 Mbit/s

95th percentile per-packet one-way delay: 10.038 ms

Loss rate: 0.00%

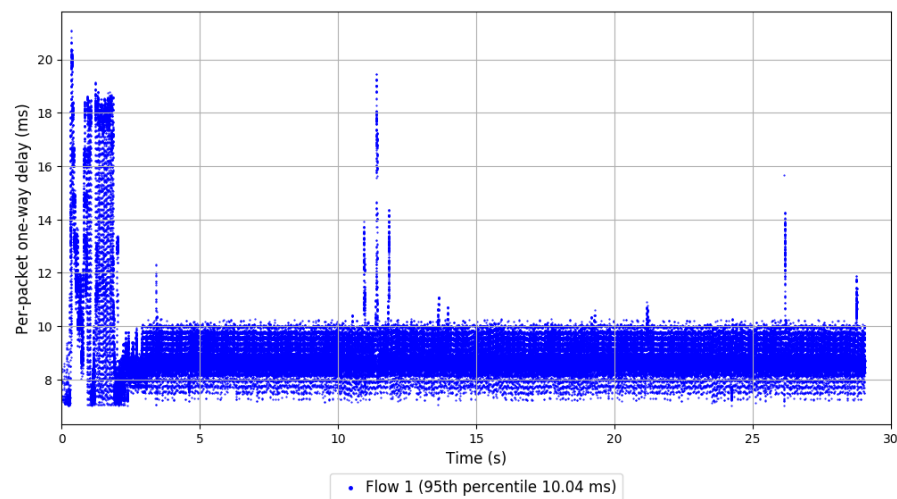
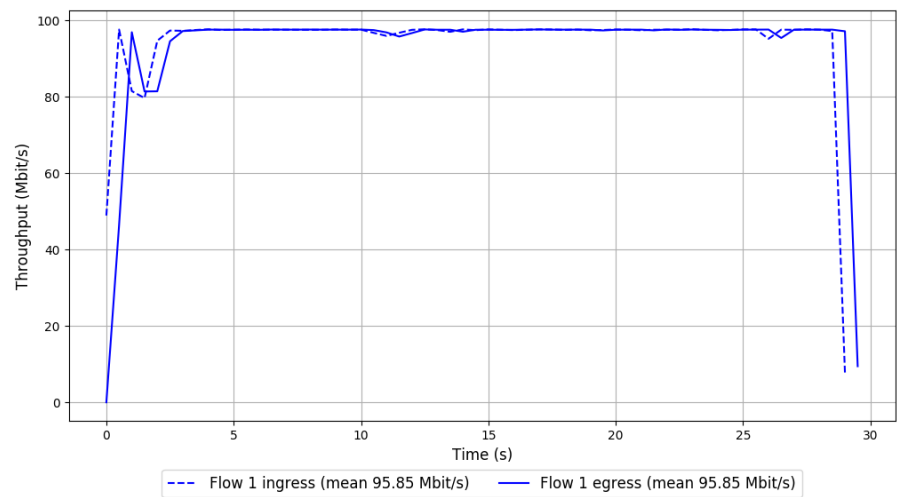
-- Flow 1:

Average throughput: 95.85 Mbit/s

95th percentile per-packet one-way delay: 10.038 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesD — Data Link

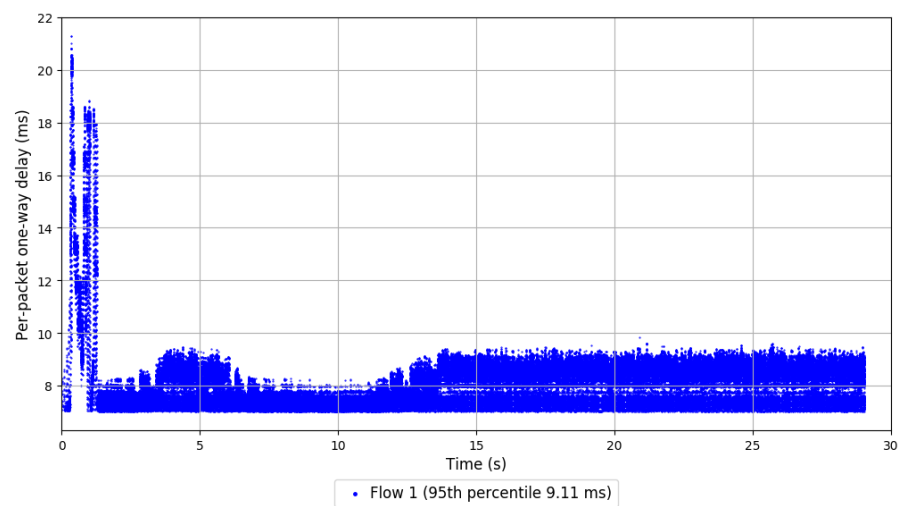
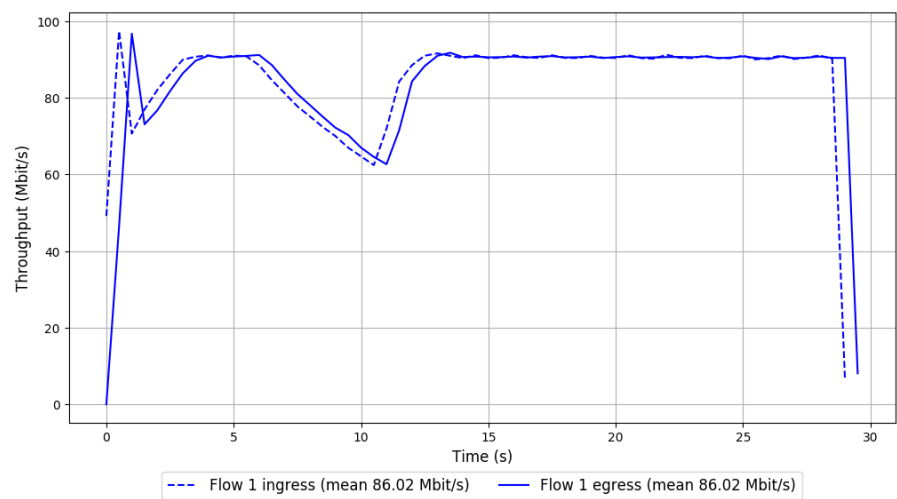


Run 4: Statistics of Indigo-MusesD

Start at: 2019-03-26 21:38:39  
End at: 2019-03-26 21:39:09  
Local clock offset: -0.066 ms  
Remote clock offset: -1.515 ms

# Below is generated by plot.py at 2019-03-26 22:12:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 86.02 Mbit/s  
95th percentile per-packet one-way delay: 9.110 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 86.02 Mbit/s  
95th percentile per-packet one-way delay: 9.110 ms  
Loss rate: 0.00%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-03-26 22:02:25

End at: 2019-03-26 22:02:55

Local clock offset: -0.666 ms

Remote clock offset: -2.017 ms

# Below is generated by plot.py at 2019-03-26 22:12:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.73 Mbit/s

95th percentile per-packet one-way delay: 9.349 ms

Loss rate: 0.00%

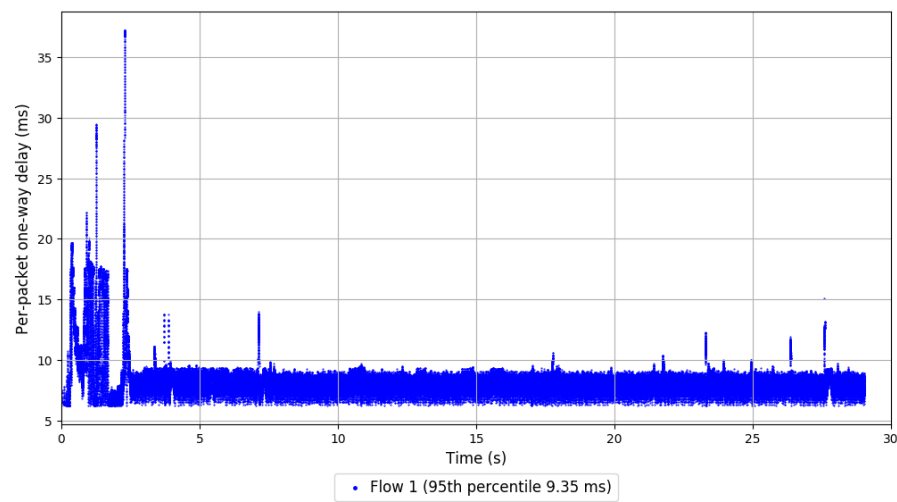
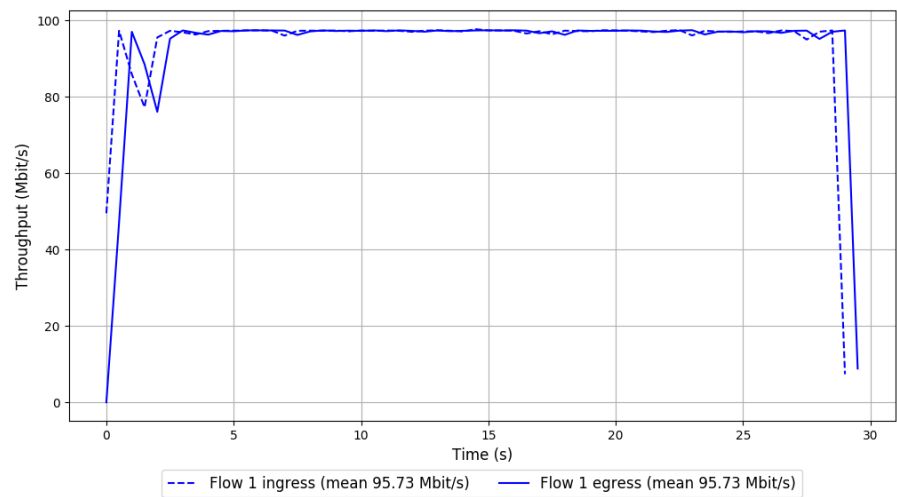
-- Flow 1:

Average throughput: 95.73 Mbit/s

95th percentile per-packet one-way delay: 9.349 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesD — Data Link

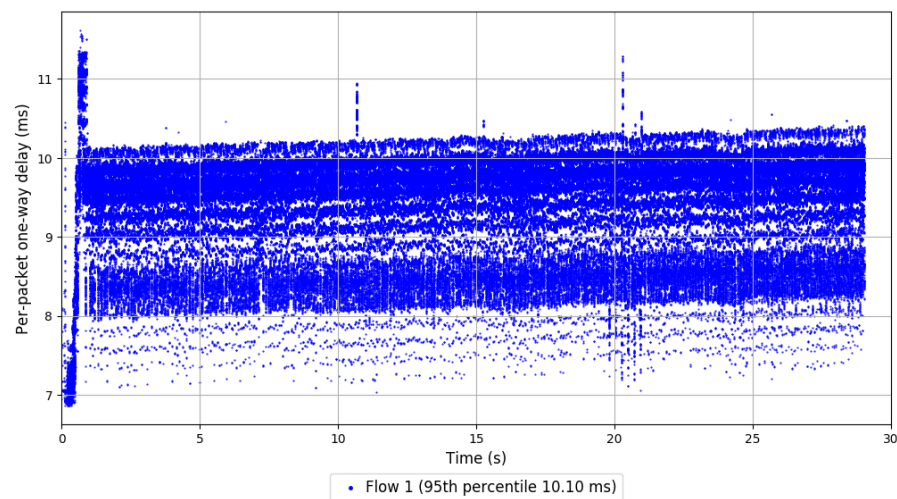
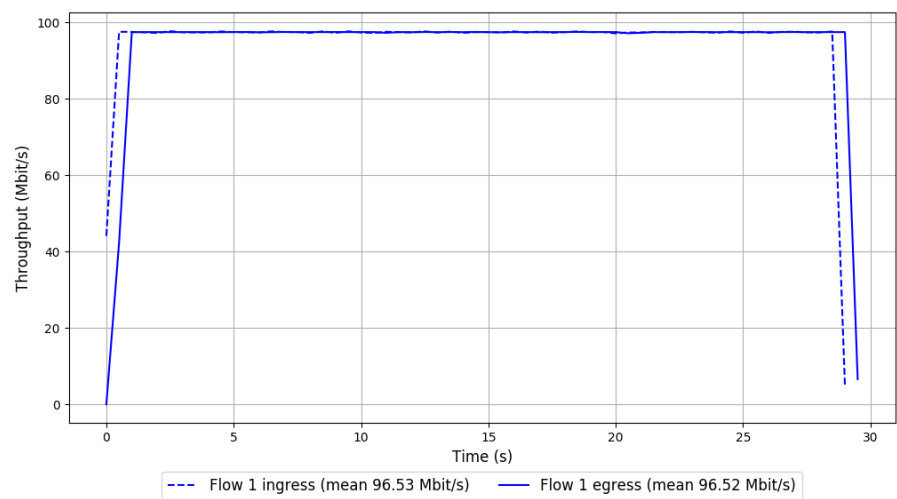


Run 1: Statistics of Indigo-MusesT

Start at: 2019-03-26 20:17:53  
End at: 2019-03-26 20:18:23  
Local clock offset: -8.448 ms  
Remote clock offset: -4.224 ms

# Below is generated by plot.py at 2019-03-26 22:12:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.52 Mbit/s  
95th percentile per-packet one-way delay: 10.100 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 96.52 Mbit/s  
95th percentile per-packet one-way delay: 10.100 ms  
Loss rate: 0.00%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-03-26 20:41:44

End at: 2019-03-26 20:42:14

Local clock offset: -5.211 ms

Remote clock offset: -2.72 ms

# Below is generated by plot.py at 2019-03-26 22:13:13

# Datalink statistics

-- Total of 1 flow:

Average throughput: 96.38 Mbit/s

95th percentile per-packet one-way delay: 11.138 ms

Loss rate: 0.00%

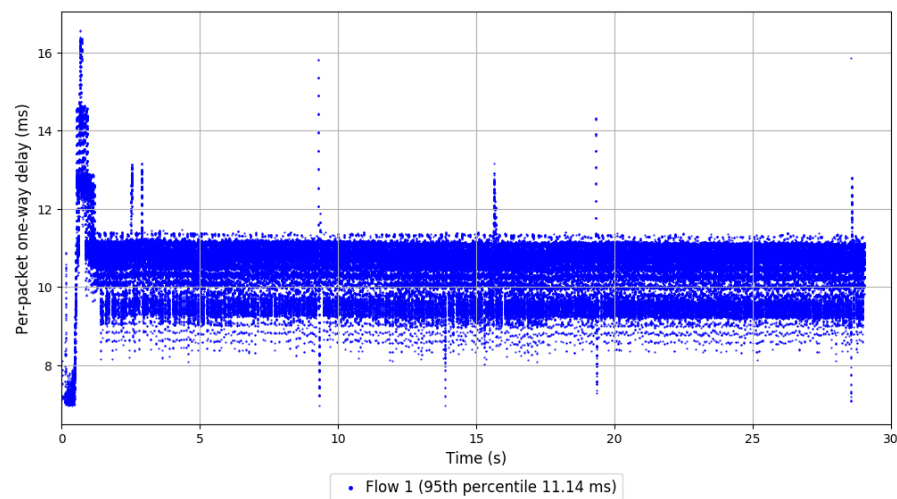
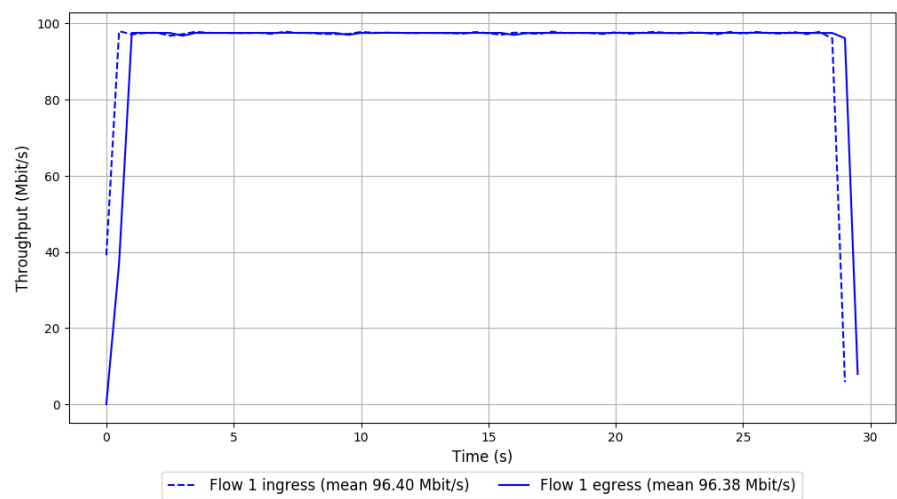
-- Flow 1:

Average throughput: 96.38 Mbit/s

95th percentile per-packet one-way delay: 11.138 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesT — Data Link

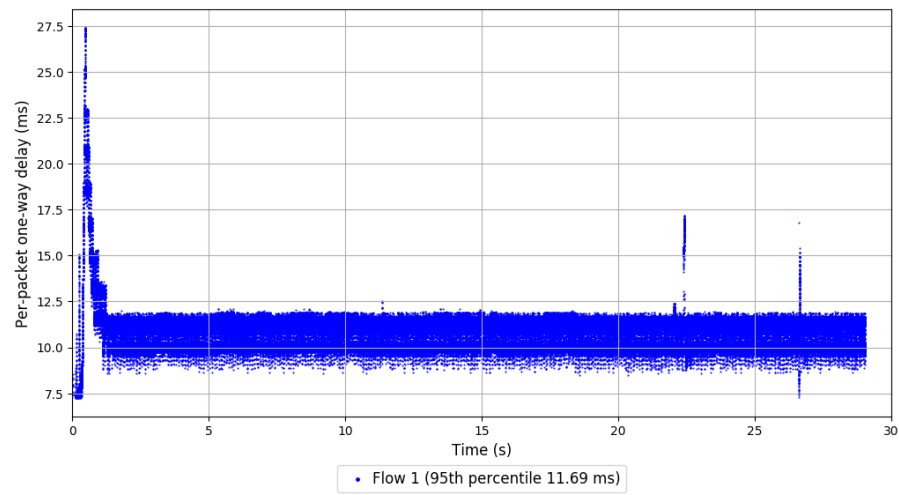
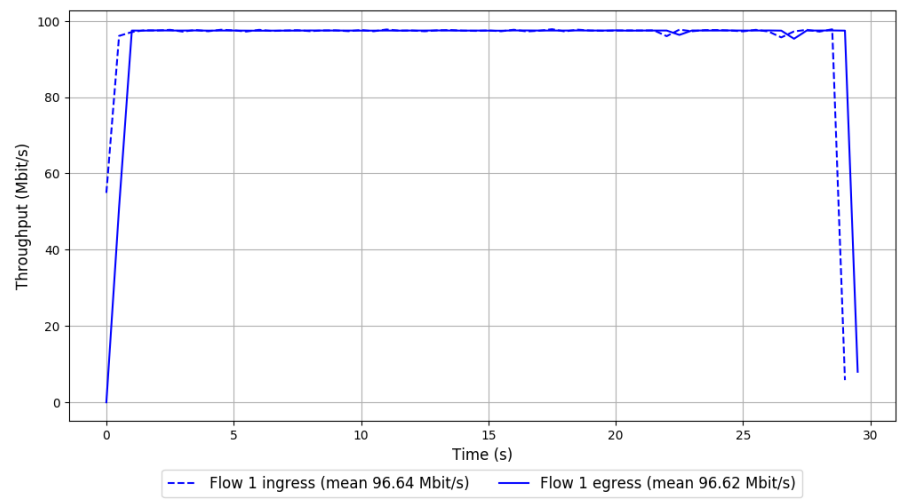


Run 3: Statistics of Indigo-MusesT

Start at: 2019-03-26 21:05:40  
End at: 2019-03-26 21:06:10  
Local clock offset: -1.066 ms  
Remote clock offset: -2.229 ms

# Below is generated by plot.py at 2019-03-26 22:13:17  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.62 Mbit/s  
95th percentile per-packet one-way delay: 11.691 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 96.62 Mbit/s  
95th percentile per-packet one-way delay: 11.691 ms  
Loss rate: 0.00%

Run 3: Report of Indigo-MusesT — Data Link

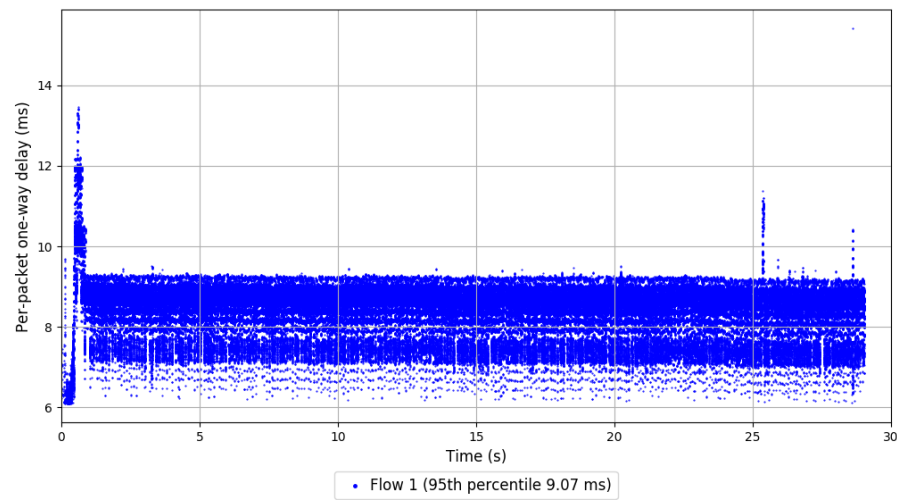
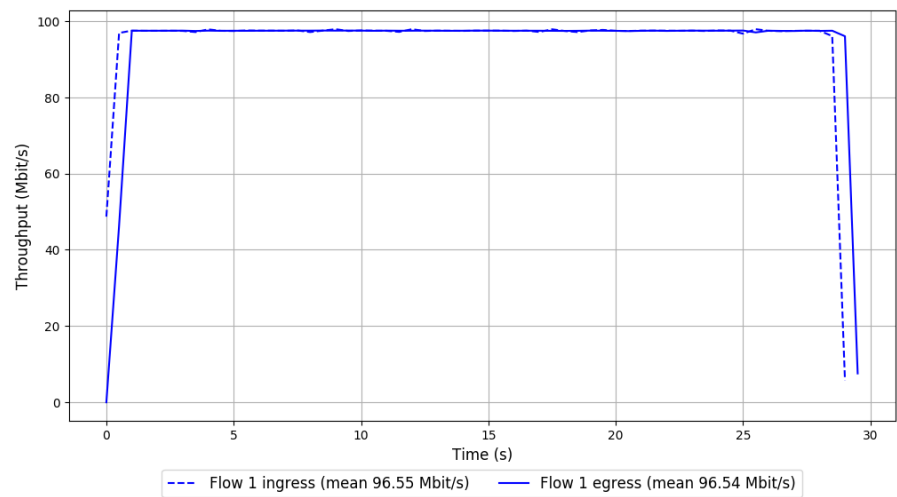


Run 4: Statistics of Indigo-MusesT

Start at: 2019-03-26 21:29:27  
End at: 2019-03-26 21:29:57  
Local clock offset: -0.127 ms  
Remote clock offset: -2.423 ms

# Below is generated by plot.py at 2019-03-26 22:13:22  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.54 Mbit/s  
95th percentile per-packet one-way delay: 9.073 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 96.54 Mbit/s  
95th percentile per-packet one-way delay: 9.073 ms  
Loss rate: 0.00%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-03-26 21:53:20

End at: 2019-03-26 21:53:51

Local clock offset: -1.334 ms

Remote clock offset: -0.909 ms

# Below is generated by plot.py at 2019-03-26 22:13:22

# Datalink statistics

-- Total of 1 flow:

Average throughput: 96.53 Mbit/s

95th percentile per-packet one-way delay: 12.595 ms

Loss rate: 0.00%

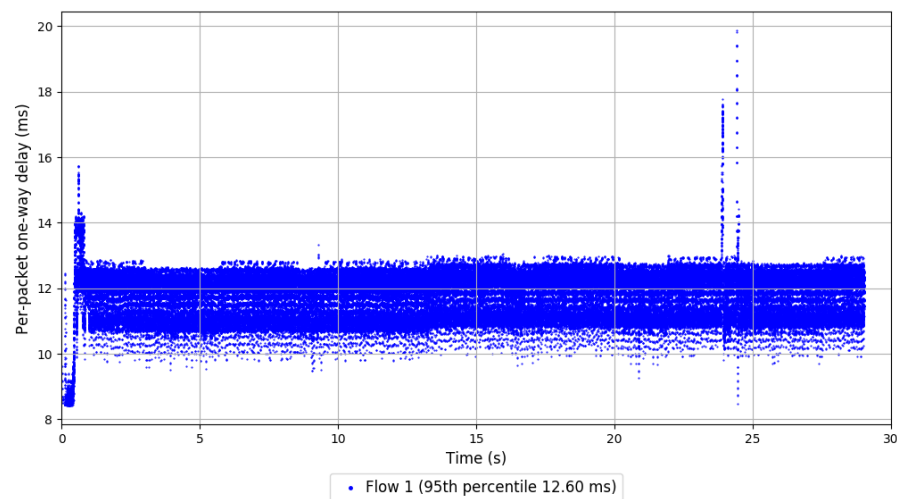
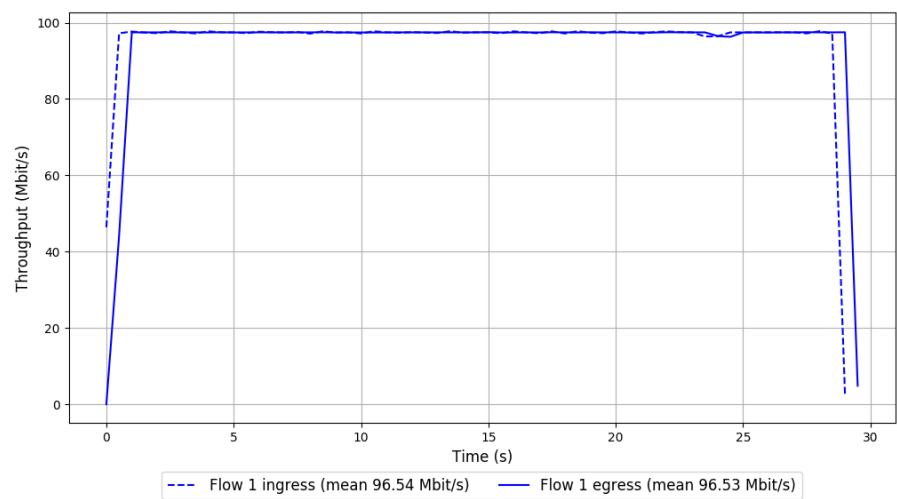
-- Flow 1:

Average throughput: 96.53 Mbit/s

95th percentile per-packet one-way delay: 12.595 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesT — Data Link

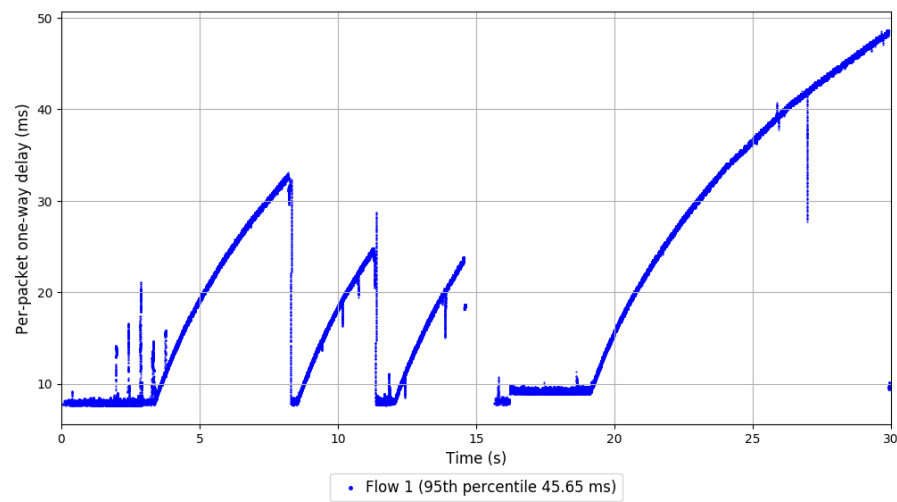
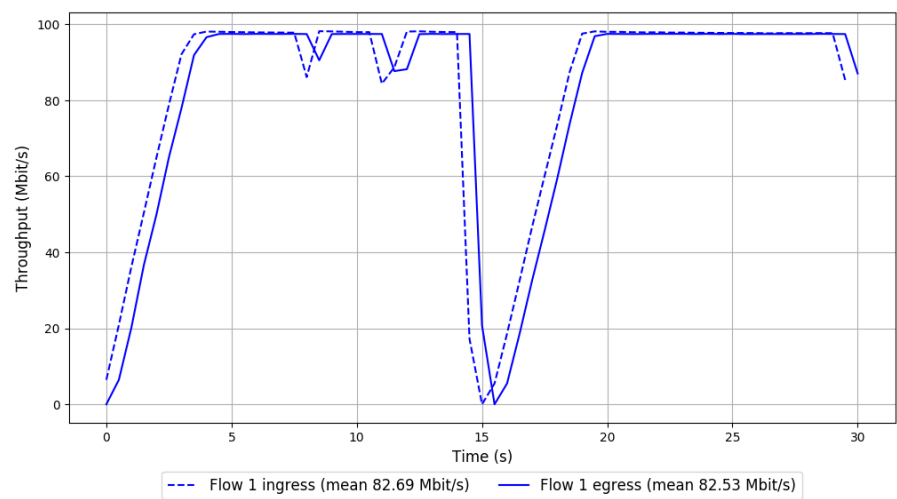


Run 1: Statistics of LEDBAT

Start at: 2019-03-26 20:22:24  
End at: 2019-03-26 20:22:54  
Local clock offset: -6.811 ms  
Remote clock offset: -3.778 ms

# Below is generated by plot.py at 2019-03-26 22:13:22  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 82.53 Mbit/s  
95th percentile per-packet one-way delay: 45.650 ms  
Loss rate: 0.18%  
-- Flow 1:  
Average throughput: 82.53 Mbit/s  
95th percentile per-packet one-way delay: 45.650 ms  
Loss rate: 0.18%

Run 1: Report of LEDBAT — Data Link

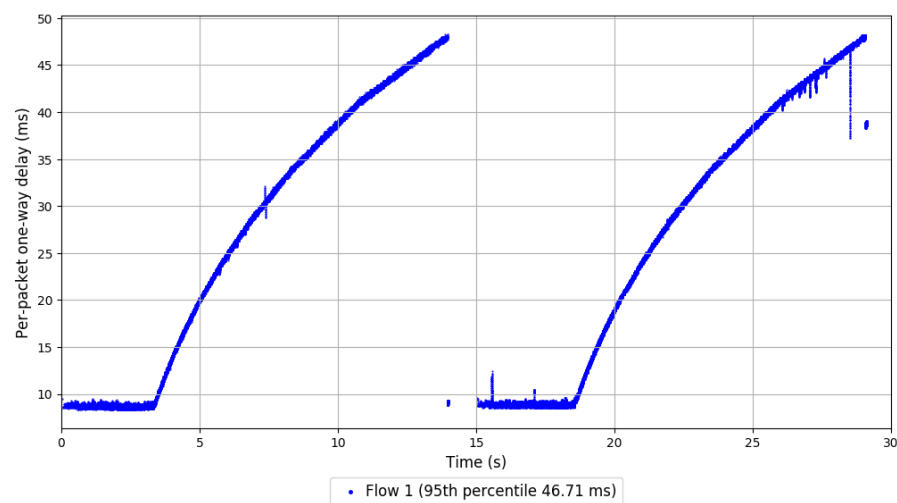
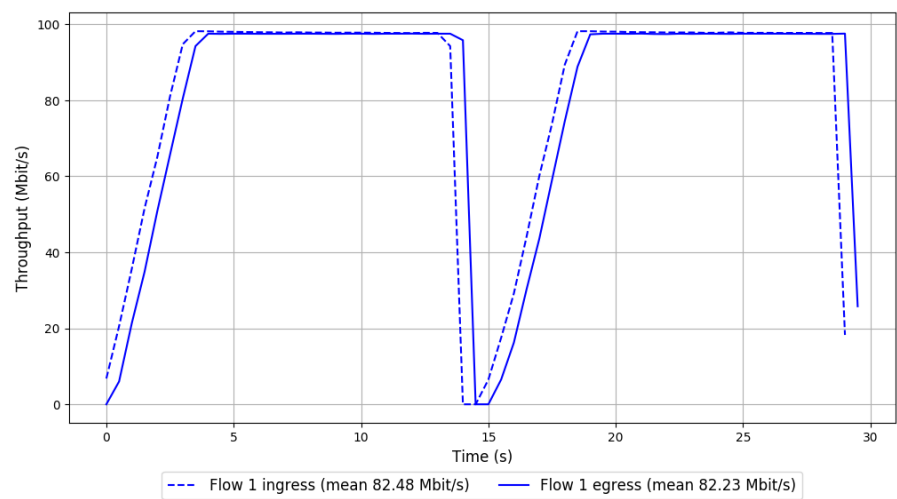


Run 2: Statistics of LEDBAT

Start at: 2019-03-26 20:46:17  
End at: 2019-03-26 20:46:47  
Local clock offset: -6.078 ms  
Remote clock offset: -2.048 ms

# Below is generated by plot.py at 2019-03-26 22:13:22  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 82.23 Mbit/s  
95th percentile per-packet one-way delay: 46.714 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 82.23 Mbit/s  
95th percentile per-packet one-way delay: 46.714 ms  
Loss rate: 0.20%

Run 2: Report of LEDBAT — Data Link

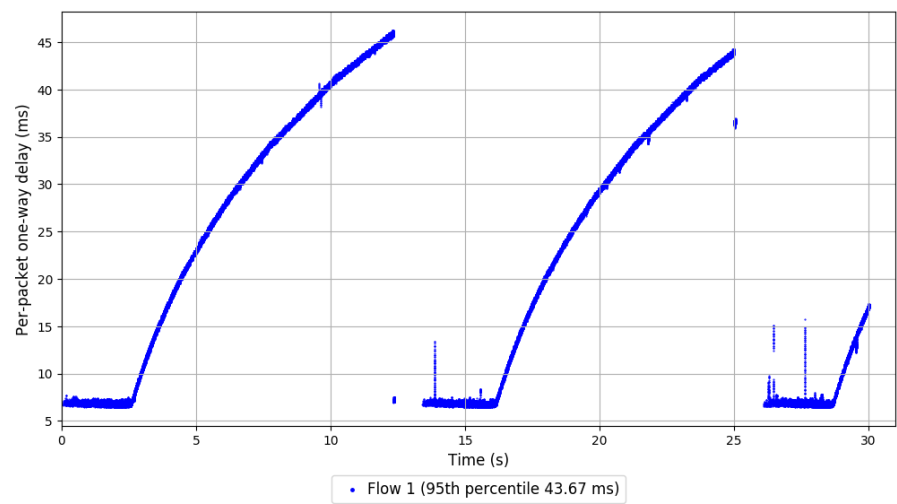
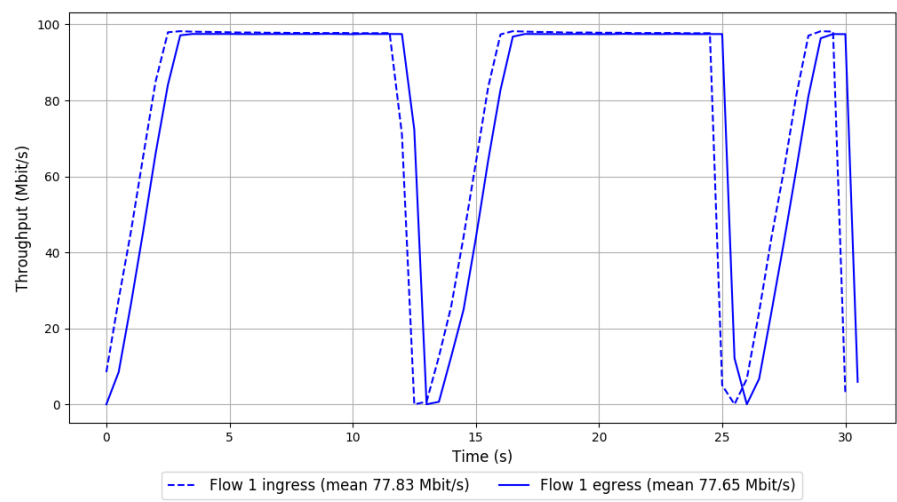


Run 3: Statistics of LEDBAT

Start at: 2019-03-26 21:10:11  
End at: 2019-03-26 21:10:42  
Local clock offset: -1.271 ms  
Remote clock offset: -3.196 ms

# Below is generated by plot.py at 2019-03-26 22:13:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 77.65 Mbit/s  
95th percentile per-packet one-way delay: 43.671 ms  
Loss rate: 0.19%  
-- Flow 1:  
Average throughput: 77.65 Mbit/s  
95th percentile per-packet one-way delay: 43.671 ms  
Loss rate: 0.19%

Run 3: Report of LEDBAT — Data Link

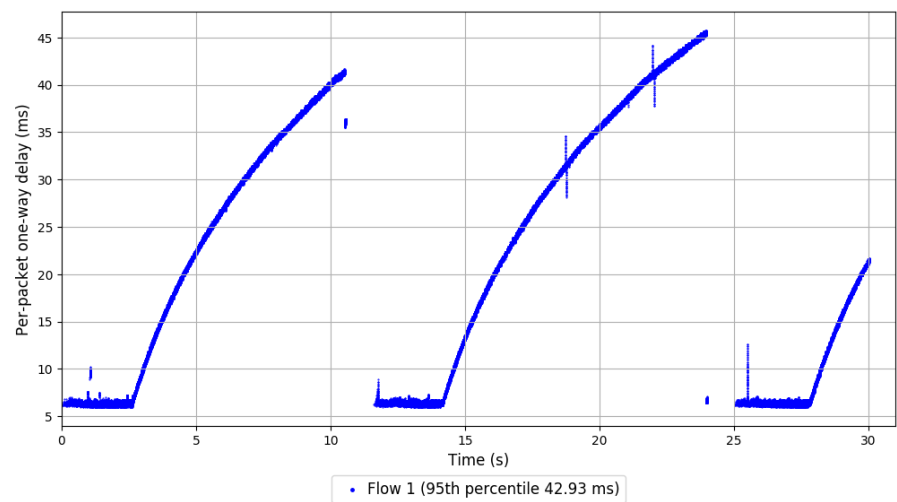
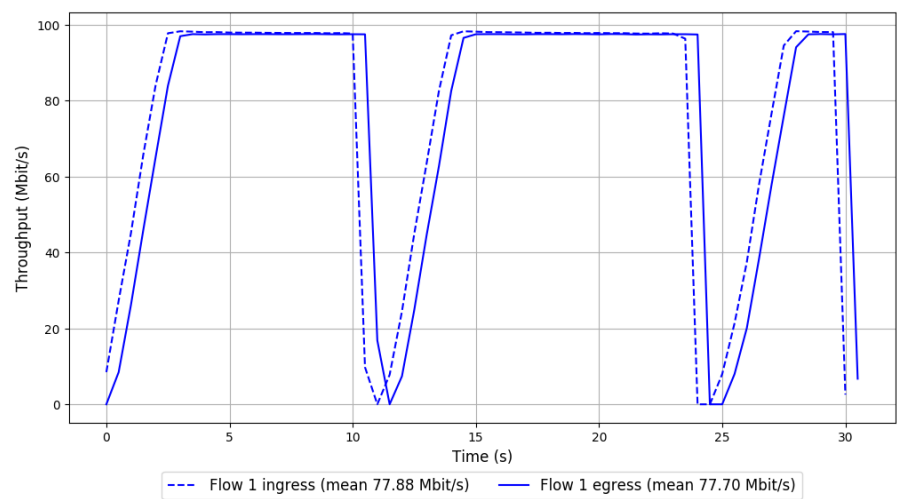


Run 4: Statistics of LEDBAT

Start at: 2019-03-26 21:34:02  
End at: 2019-03-26 21:34:32  
Local clock offset: 0.608 ms  
Remote clock offset: -1.901 ms

# Below is generated by plot.py at 2019-03-26 22:13:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 77.70 Mbit/s  
95th percentile per-packet one-way delay: 42.928 ms  
Loss rate: 0.18%  
-- Flow 1:  
Average throughput: 77.70 Mbit/s  
95th percentile per-packet one-way delay: 42.928 ms  
Loss rate: 0.18%

Run 4: Report of LEDBAT — Data Link

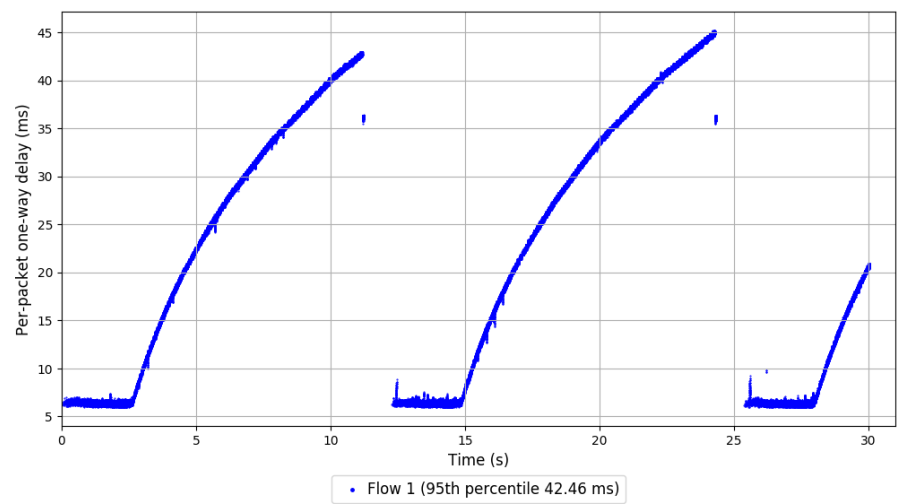
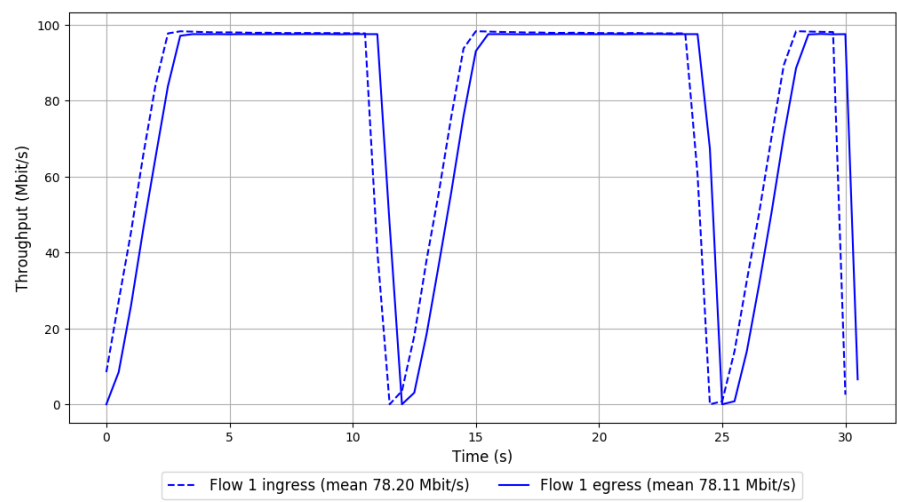


Run 5: Statistics of LEDBAT

Start at: 2019-03-26 21:57:51  
End at: 2019-03-26 21:58:21  
Local clock offset: -0.285 ms  
Remote clock offset: -2.113 ms

# Below is generated by plot.py at 2019-03-26 22:14:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 78.11 Mbit/s  
95th percentile per-packet one-way delay: 42.462 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 78.11 Mbit/s  
95th percentile per-packet one-way delay: 42.462 ms  
Loss rate: 0.07%

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2019-03-26 20:28:13

End at: 2019-03-26 20:28:43

Local clock offset: -5.748 ms

Remote clock offset: -4.12 ms

# Below is generated by plot.py at 2019-03-26 22:14:18

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.35 Mbit/s

95th percentile per-packet one-way delay: 10.529 ms

Loss rate: 0.32%

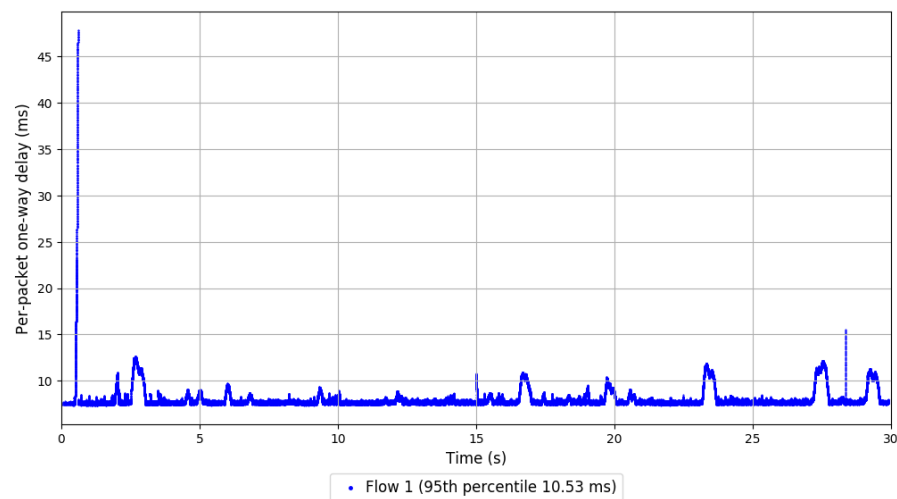
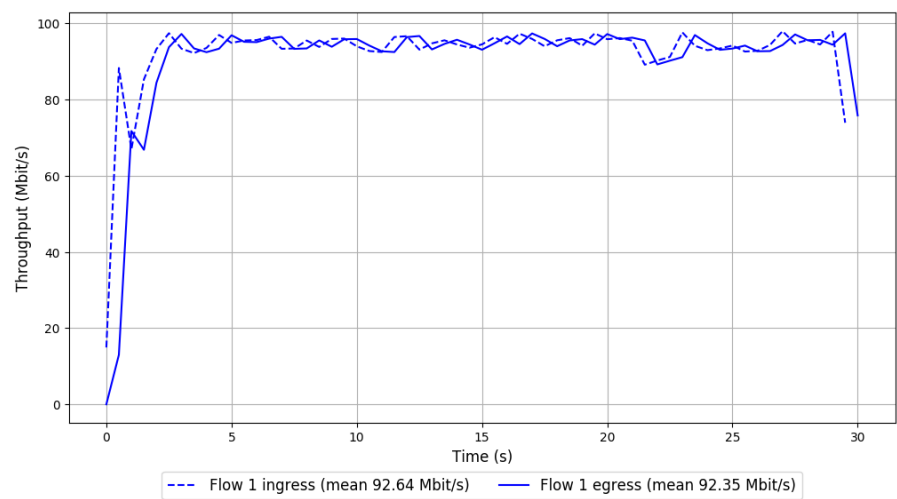
-- Flow 1:

Average throughput: 92.35 Mbit/s

95th percentile per-packet one-way delay: 10.529 ms

Loss rate: 0.32%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-03-26 20:52:04

End at: 2019-03-26 20:52:34

Local clock offset: -2.394 ms

Remote clock offset: -3.418 ms

# Below is generated by plot.py at 2019-03-26 22:14:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.06 Mbit/s

95th percentile per-packet one-way delay: 8.562 ms

Loss rate: 0.28%

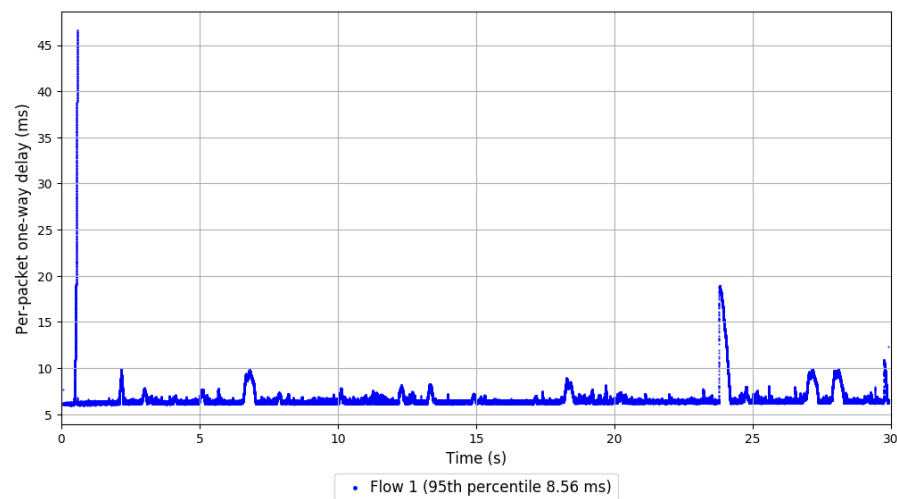
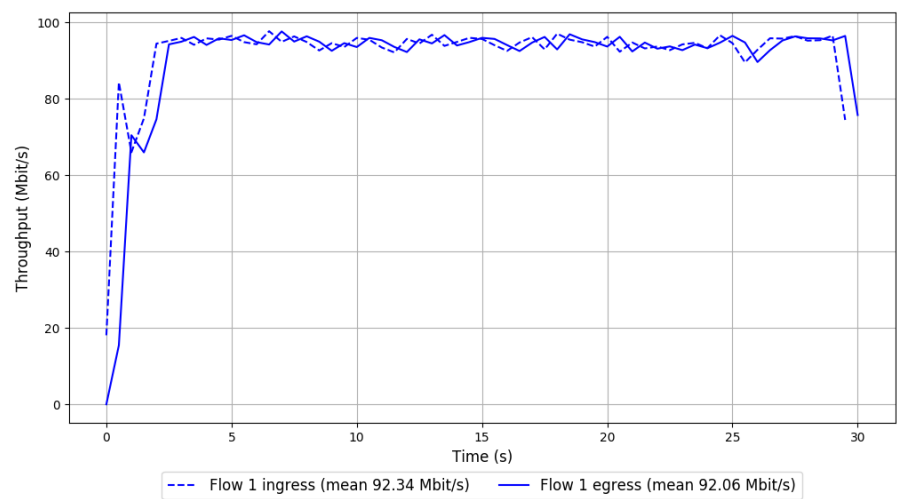
-- Flow 1:

Average throughput: 92.06 Mbit/s

95th percentile per-packet one-way delay: 8.562 ms

Loss rate: 0.28%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-03-26 21:15:58

End at: 2019-03-26 21:16:28

Local clock offset: -2.19 ms

Remote clock offset: -4.128 ms

# Below is generated by plot.py at 2019-03-26 22:14:22

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.46 Mbit/s

95th percentile per-packet one-way delay: 8.537 ms

Loss rate: 0.27%

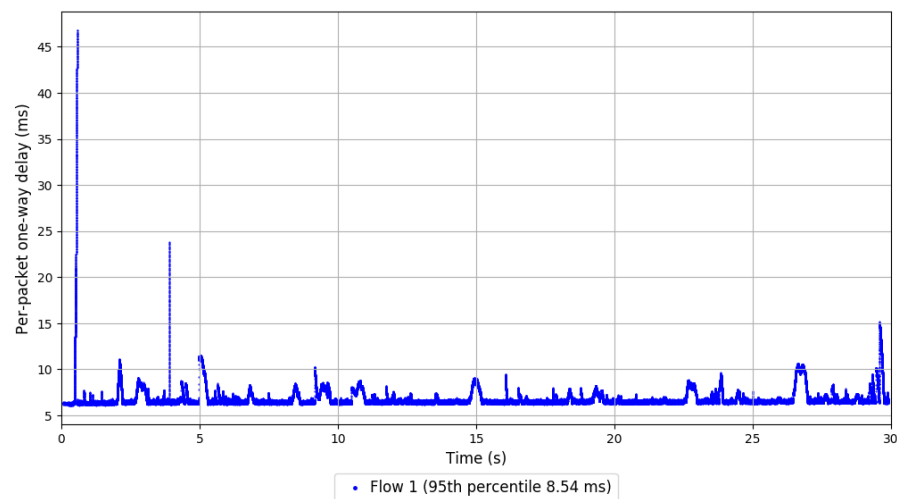
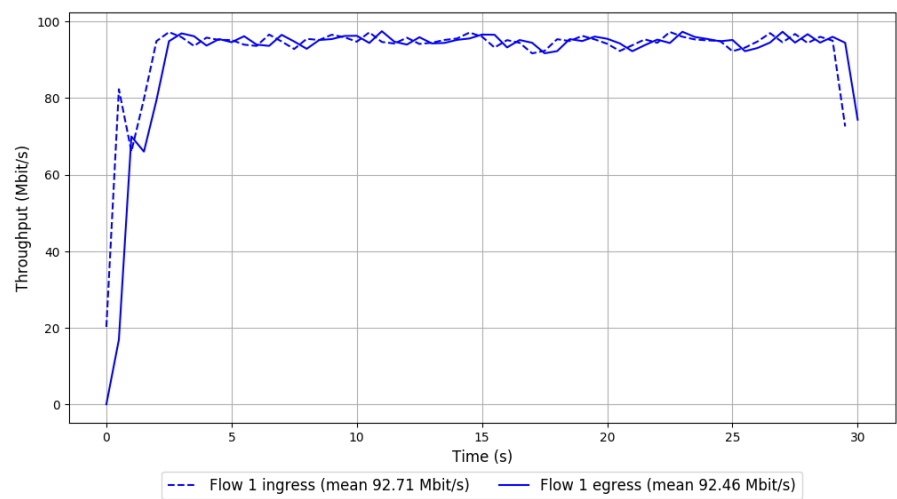
-- Flow 1:

Average throughput: 92.46 Mbit/s

95th percentile per-packet one-way delay: 8.537 ms

Loss rate: 0.27%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-03-26 21:39:48

End at: 2019-03-26 21:40:18

Local clock offset: 0.16 ms

Remote clock offset: -1.715 ms

# Below is generated by plot.py at 2019-03-26 22:14:25

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.27 Mbit/s

95th percentile per-packet one-way delay: 9.417 ms

Loss rate: 0.31%

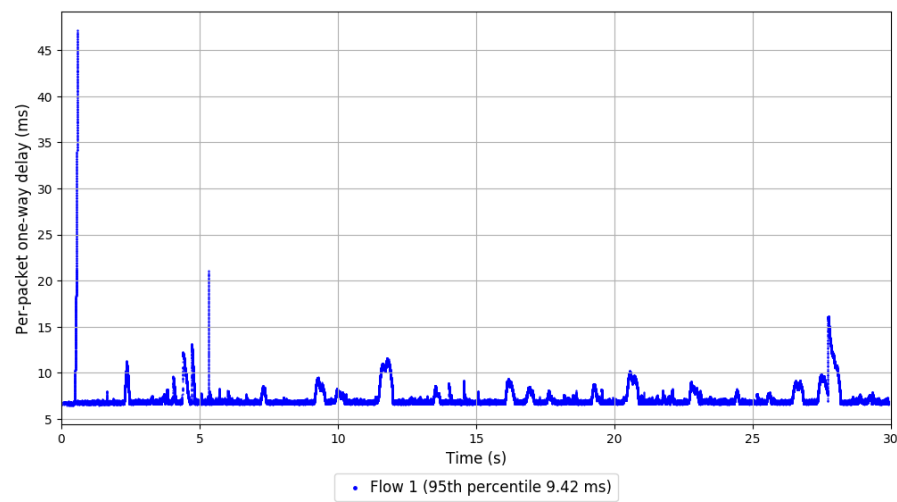
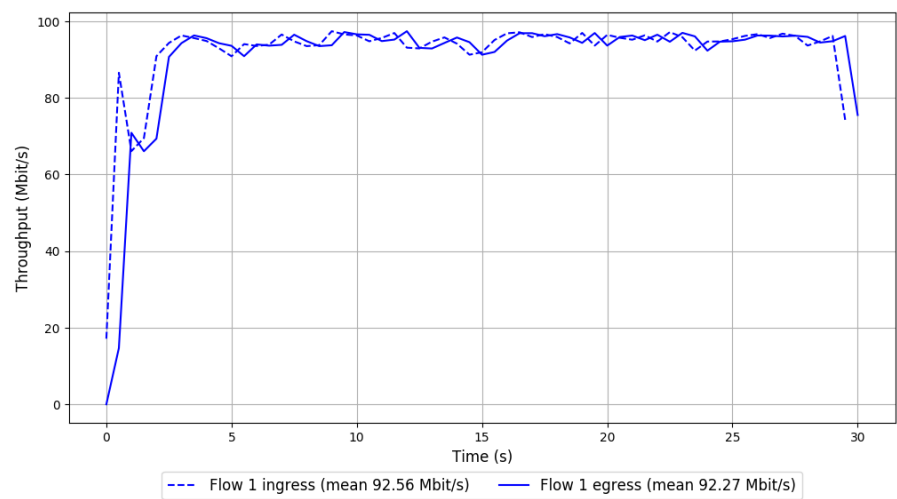
-- Flow 1:

Average throughput: 92.27 Mbit/s

95th percentile per-packet one-way delay: 9.417 ms

Loss rate: 0.31%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-03-26 22:03:34

End at: 2019-03-26 22:04:04

Local clock offset: -1.497 ms

Remote clock offset: -1.522 ms

# Below is generated by plot.py at 2019-03-26 22:14:26

# Datalink statistics

-- Total of 1 flow:

Average throughput: 91.86 Mbit/s

95th percentile per-packet one-way delay: 9.976 ms

Loss rate: 0.25%

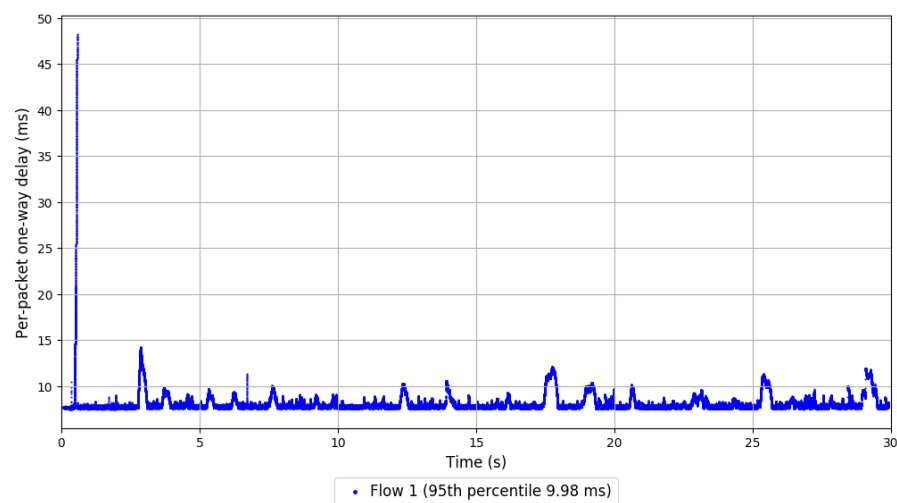
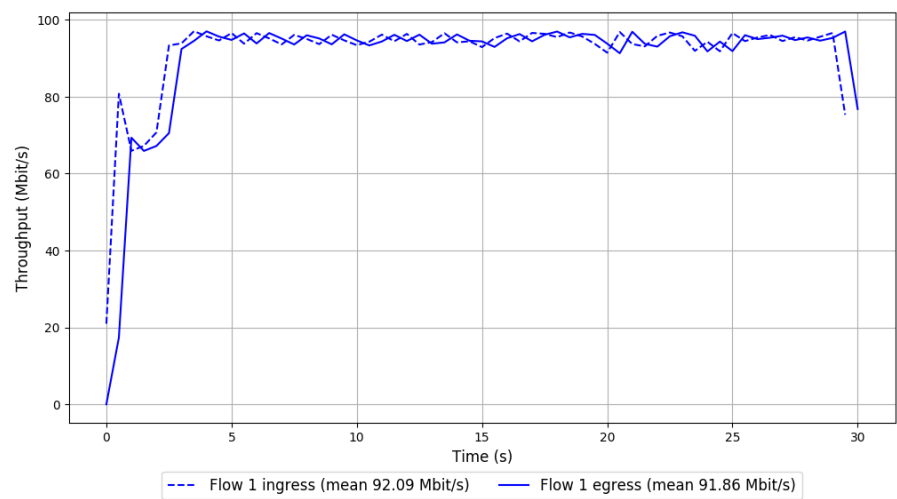
-- Flow 1:

Average throughput: 91.86 Mbit/s

95th percentile per-packet one-way delay: 9.976 ms

Loss rate: 0.25%

Run 5: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

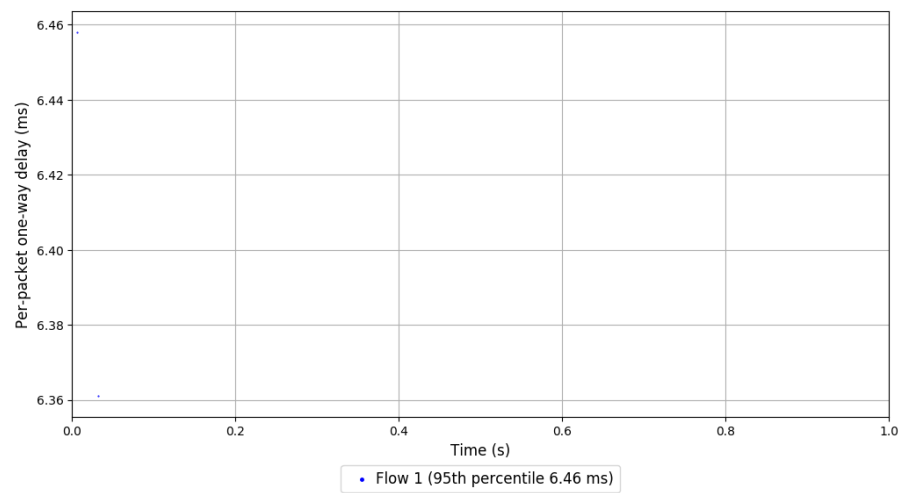
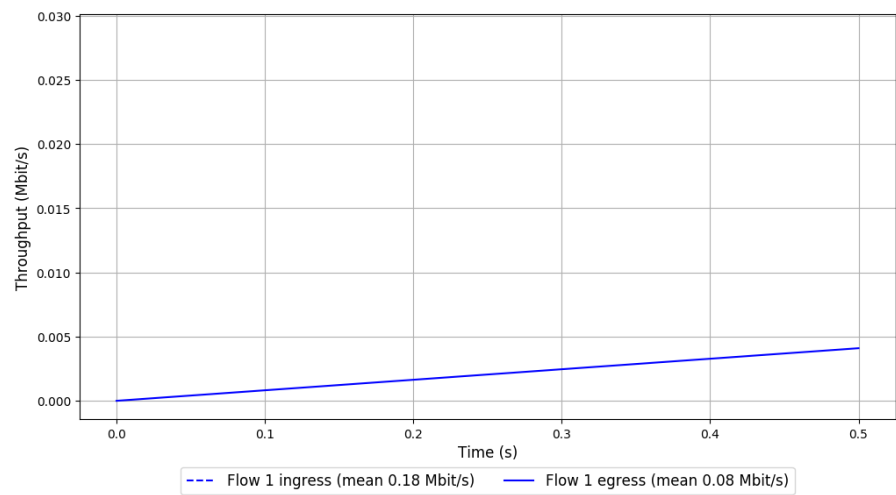
Start at: 2019-03-26 20:07:45

End at: 2019-03-26 20:08:15

Local clock offset: -8.2 ms

Remote clock offset: -6.385 ms

Run 1: Report of PCC-Expr — Data Link

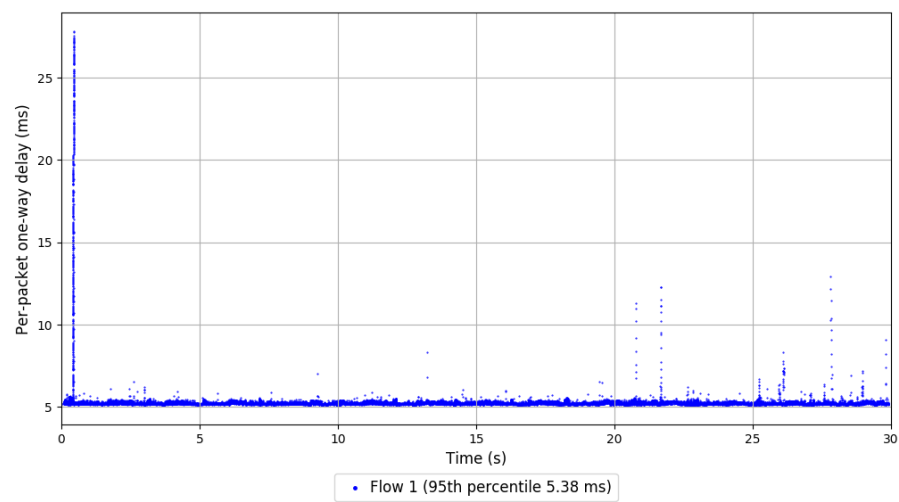
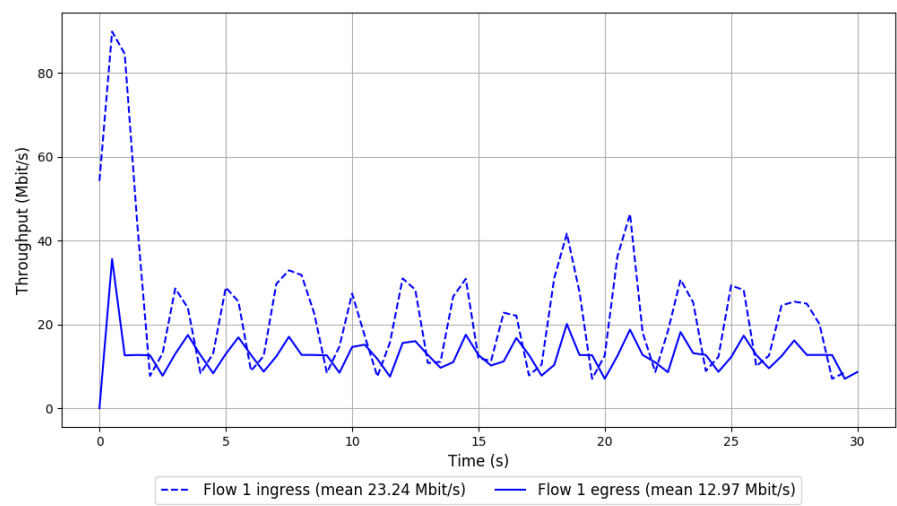


Run 2: Statistics of PCC-Expr

Start at: 2019-03-26 20:31:35  
End at: 2019-03-26 20:32:05  
Local clock offset: -4.12 ms  
Remote clock offset: -4.797 ms

# Below is generated by plot.py at 2019-03-26 22:14:26  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.97 Mbit/s  
95th percentile per-packet one-way delay: 5.384 ms  
Loss rate: 44.22%  
-- Flow 1:  
Average throughput: 12.97 Mbit/s  
95th percentile per-packet one-way delay: 5.384 ms  
Loss rate: 44.22%

Run 2: Report of PCC-Expr — Data Link

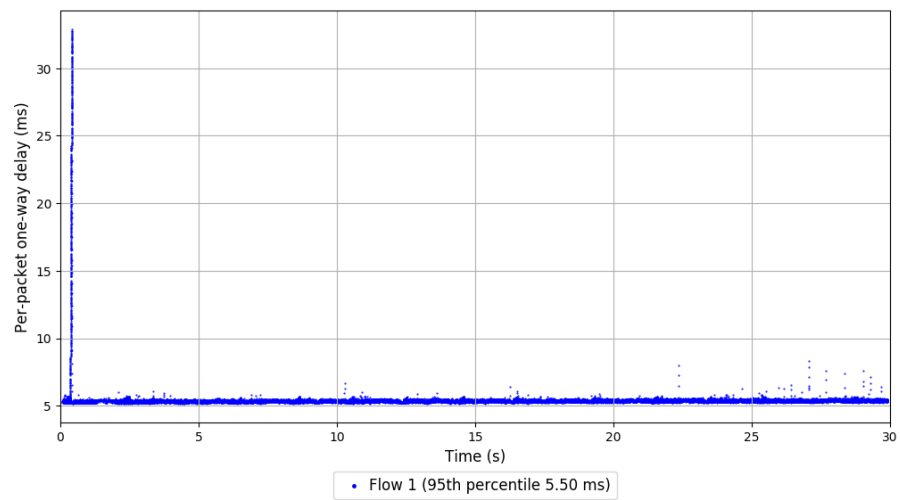
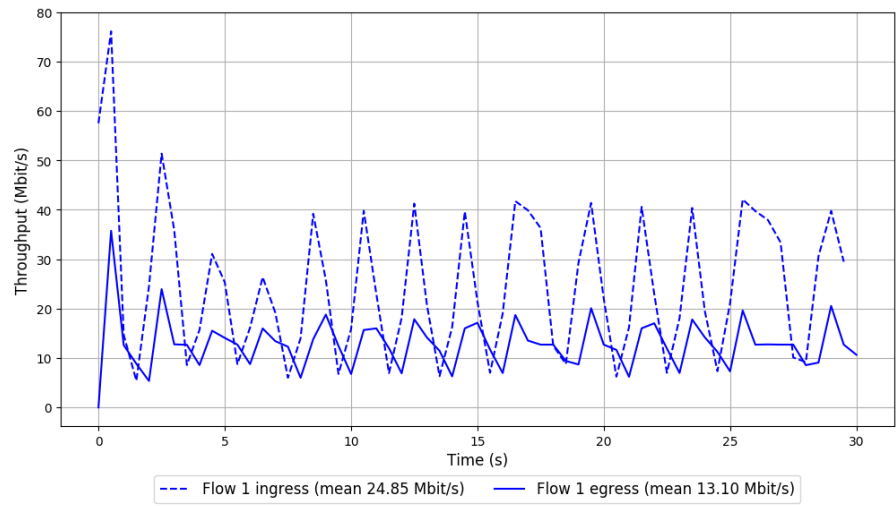


Run 3: Statistics of PCC-Expr

Start at: 2019-03-26 20:55:28  
End at: 2019-03-26 20:55:58  
Local clock offset: -1.675 ms  
Remote clock offset: -4.297 ms

# Below is generated by plot.py at 2019-03-26 22:14:26  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 13.10 Mbit/s  
95th percentile per-packet one-way delay: 5.500 ms  
Loss rate: 47.29%  
-- Flow 1:  
Average throughput: 13.10 Mbit/s  
95th percentile per-packet one-way delay: 5.500 ms  
Loss rate: 47.29%

### Run 3: Report of PCC-Expr — Data Link

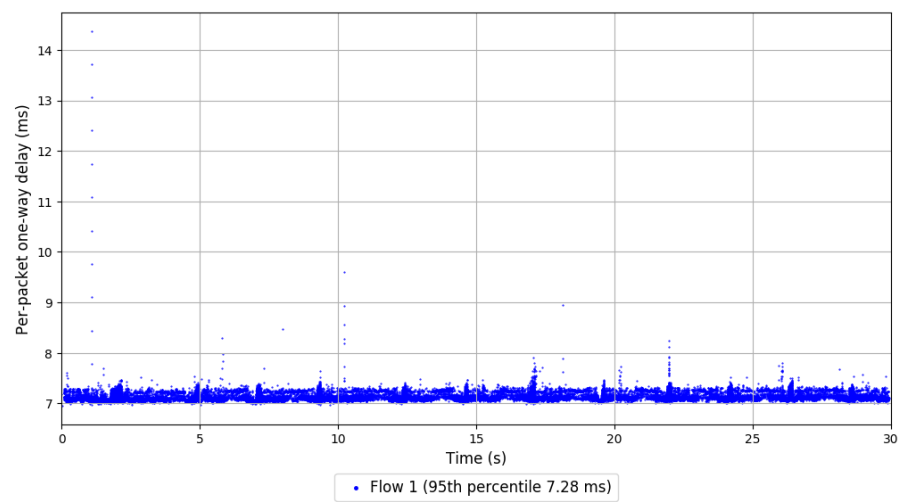
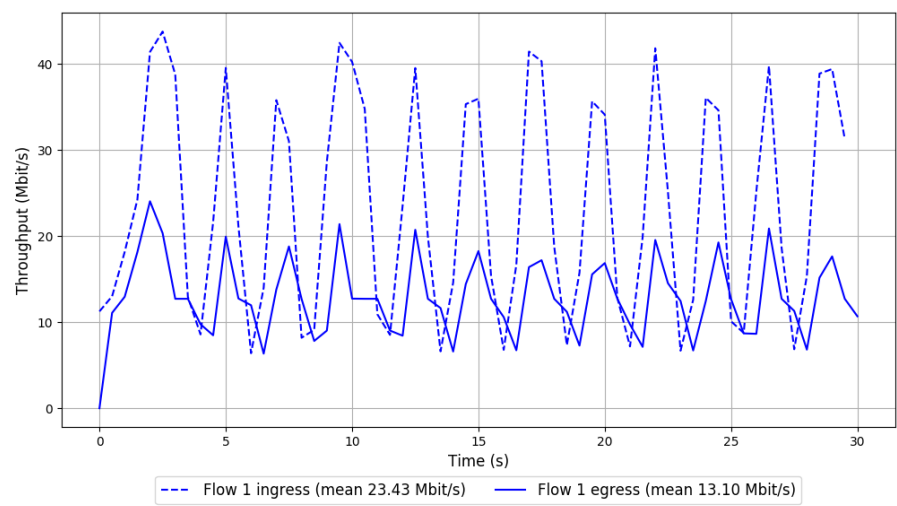


Run 4: Statistics of PCC-Expr

Start at: 2019-03-26 21:19:19  
End at: 2019-03-26 21:19:49  
Local clock offset: -0.157 ms  
Remote clock offset: -1.762 ms

# Below is generated by plot.py at 2019-03-26 22:14:26  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 13.10 Mbit/s  
95th percentile per-packet one-way delay: 7.277 ms  
Loss rate: 44.10%  
-- Flow 1:  
Average throughput: 13.10 Mbit/s  
95th percentile per-packet one-way delay: 7.277 ms  
Loss rate: 44.10%

Run 4: Report of PCC-Expr — Data Link

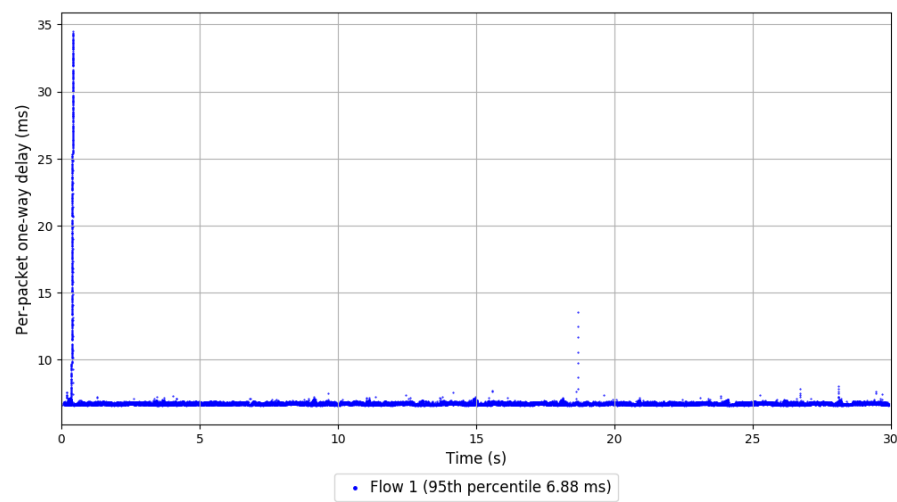
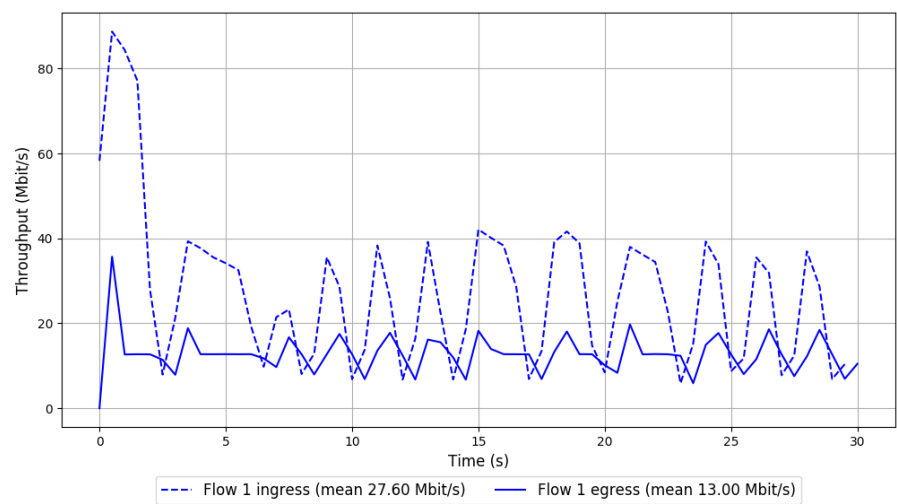


Run 5: Statistics of PCC-Expr

Start at: 2019-03-26 21:43:11  
End at: 2019-03-26 21:43:41  
Local clock offset: 0.45 ms  
Remote clock offset: -1.371 ms

# Below is generated by plot.py at 2019-03-26 22:14:26  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 13.00 Mbit/s  
95th percentile per-packet one-way delay: 6.881 ms  
Loss rate: 52.91%  
-- Flow 1:  
Average throughput: 13.00 Mbit/s  
95th percentile per-packet one-way delay: 6.881 ms  
Loss rate: 52.91%

Run 5: Report of PCC-Expr — Data Link

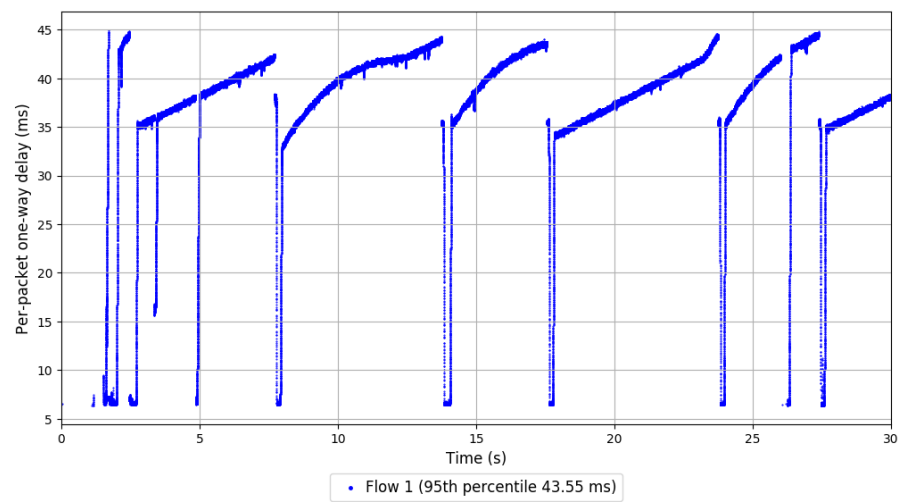
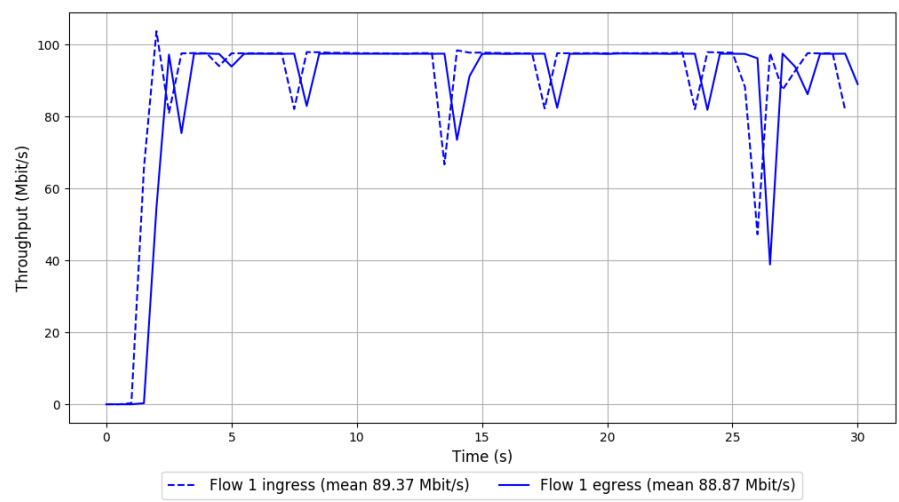


Run 1: Statistics of QUIC Cubic

Start at: 2019-03-26 20:06:36  
End at: 2019-03-26 20:07:06  
Local clock offset: -7.961 ms  
Remote clock offset: -6.221 ms

# Below is generated by plot.py at 2019-03-26 22:15:05  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 88.87 Mbit/s  
95th percentile per-packet one-way delay: 43.547 ms  
Loss rate: 0.45%  
-- Flow 1:  
Average throughput: 88.87 Mbit/s  
95th percentile per-packet one-way delay: 43.547 ms  
Loss rate: 0.45%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-03-26 20:30:25

End at: 2019-03-26 20:30:55

Local clock offset: -5.875 ms

Remote clock offset: -3.711 ms

# Below is generated by plot.py at 2019-03-26 22:15:17

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.20 Mbit/s

95th percentile per-packet one-way delay: 45.008 ms

Loss rate: 0.46%

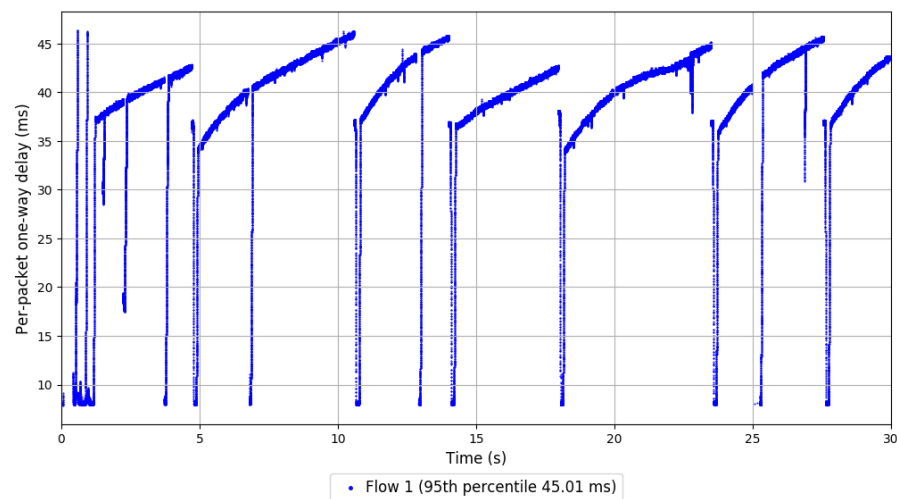
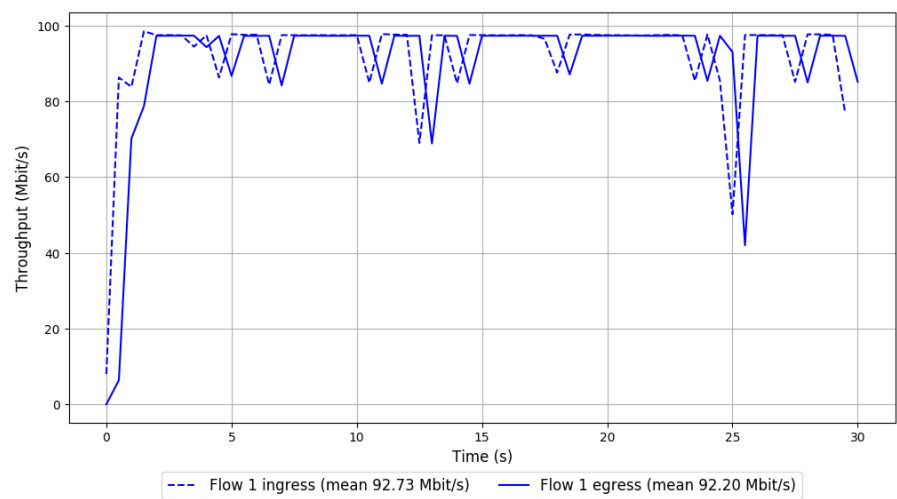
-- Flow 1:

Average throughput: 92.20 Mbit/s

95th percentile per-packet one-way delay: 45.008 ms

Loss rate: 0.46%

Run 2: Report of QUIC Cubic — Data Link

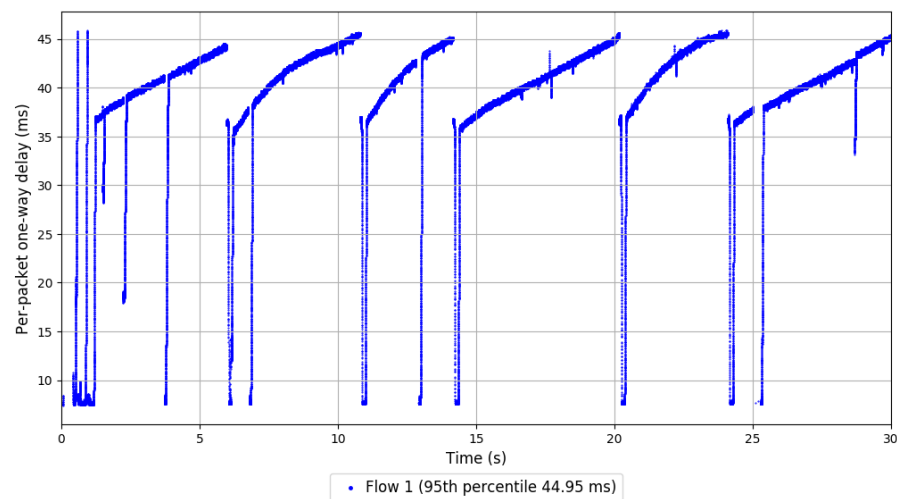
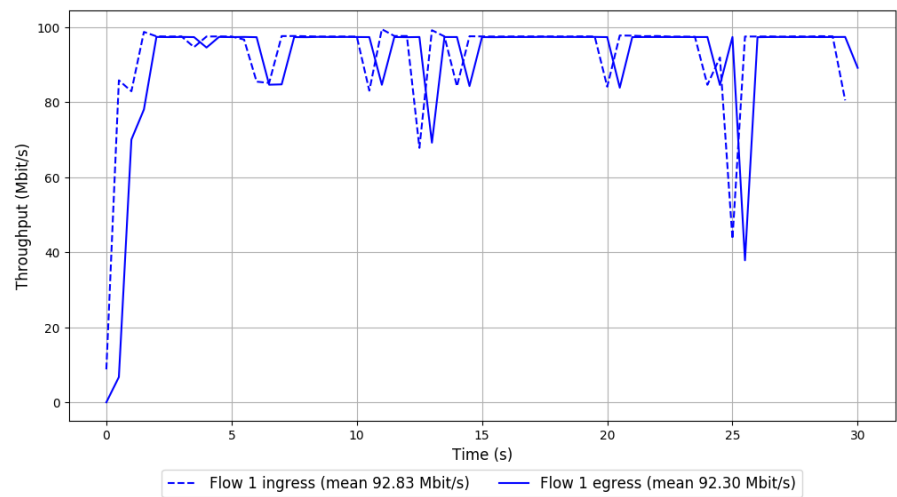


Run 3: Statistics of QUIC Cubic

Start at: 2019-03-26 20:54:18  
End at: 2019-03-26 20:54:48  
Local clock offset: -2.772 ms  
Remote clock offset: -2.823 ms

# Below is generated by plot.py at 2019-03-26 22:15:22  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.30 Mbit/s  
95th percentile per-packet one-way delay: 44.950 ms  
Loss rate: 0.45%  
-- Flow 1:  
Average throughput: 92.30 Mbit/s  
95th percentile per-packet one-way delay: 44.950 ms  
Loss rate: 0.45%

Run 3: Report of QUIC Cubic — Data Link

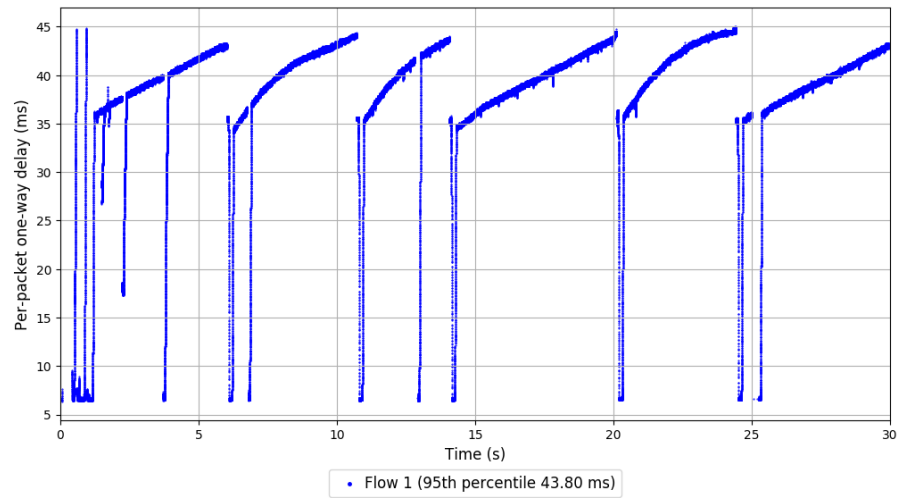
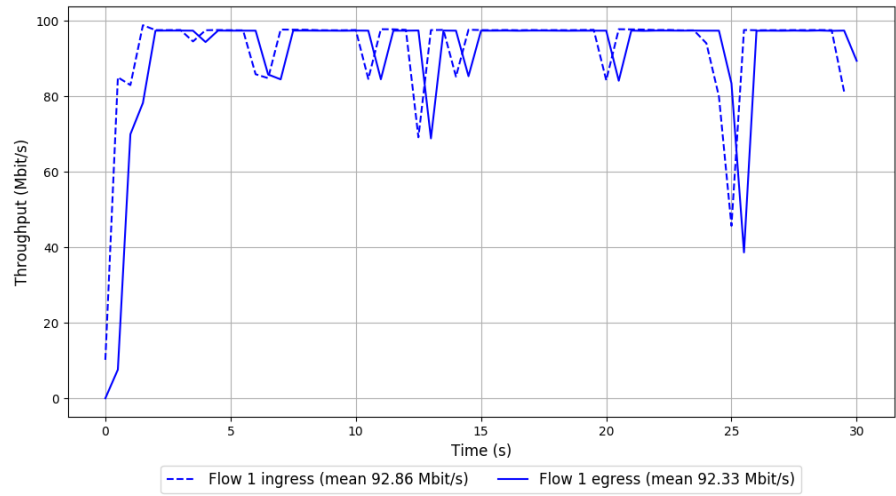


Run 4: Statistics of QUIC Cubic

Start at: 2019-03-26 21:18:10  
End at: 2019-03-26 21:18:40  
Local clock offset: -1.008 ms  
Remote clock offset: -3.071 ms

# Below is generated by plot.py at 2019-03-26 22:15:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.33 Mbit/s  
95th percentile per-packet one-way delay: 43.805 ms  
Loss rate: 0.45%  
-- Flow 1:  
Average throughput: 92.33 Mbit/s  
95th percentile per-packet one-way delay: 43.805 ms  
Loss rate: 0.45%

#### Run 4: Report of QUIC Cubic — Data Link

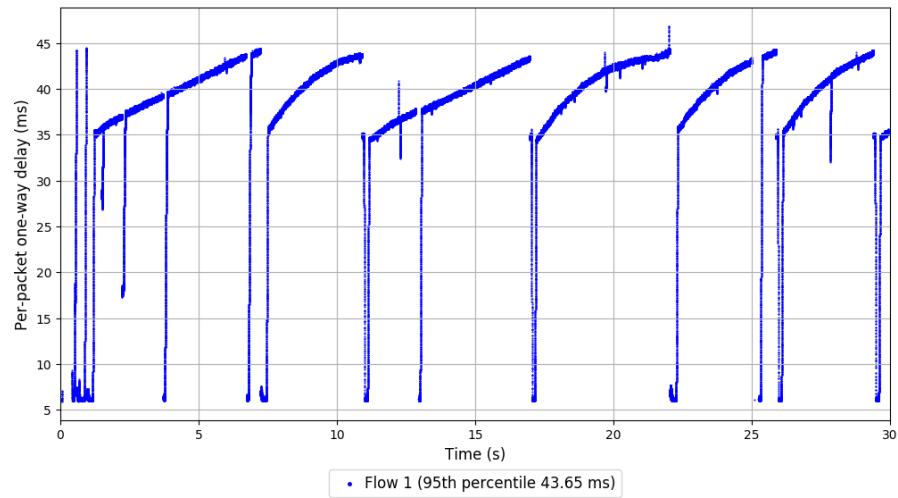
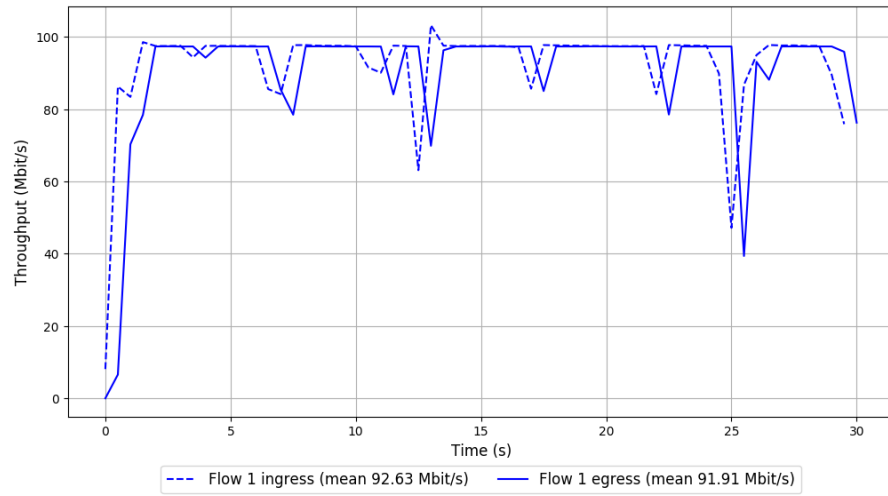


Run 5: Statistics of QUIC Cubic

Start at: 2019-03-26 21:42:01  
End at: 2019-03-26 21:42:31  
Local clock offset: 0.495 ms  
Remote clock offset: -1.998 ms

# Below is generated by plot.py at 2019-03-26 22:15:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 91.91 Mbit/s  
95th percentile per-packet one-way delay: 43.646 ms  
Loss rate: 0.68%  
-- Flow 1:  
Average throughput: 91.91 Mbit/s  
95th percentile per-packet one-way delay: 43.646 ms  
Loss rate: 0.68%

### Run 5: Report of QUIC Cubic — Data Link

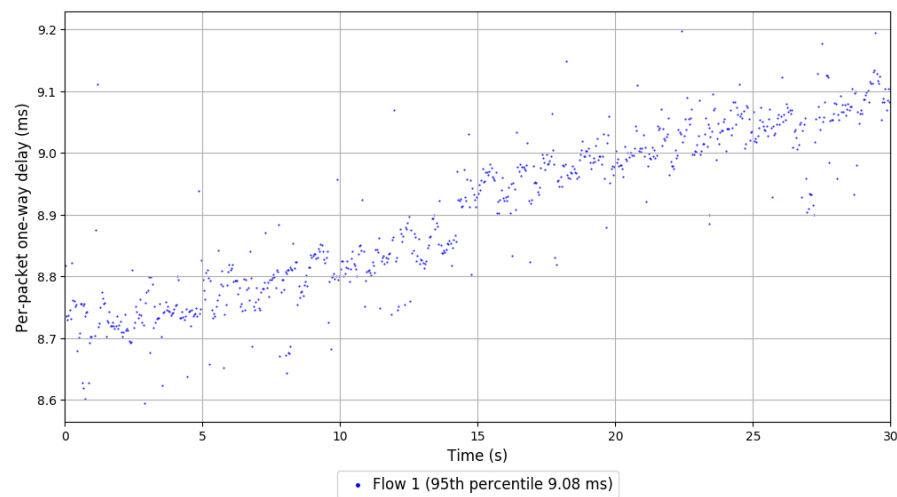
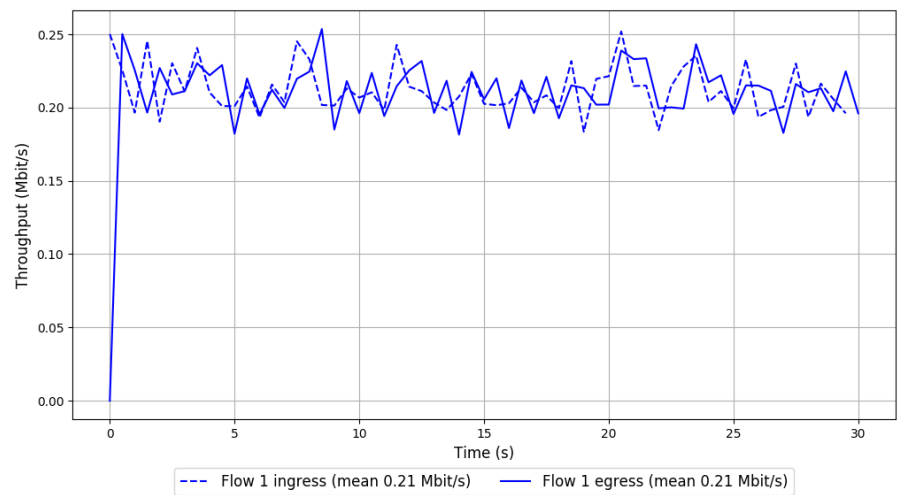


Run 1: Statistics of SCReAM

Start at: 2019-03-26 20:16:48  
End at: 2019-03-26 20:17:18  
Local clock offset: -10.439 ms  
Remote clock offset: -3.939 ms

# Below is generated by plot.py at 2019-03-26 22:15:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 9.083 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 9.083 ms  
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

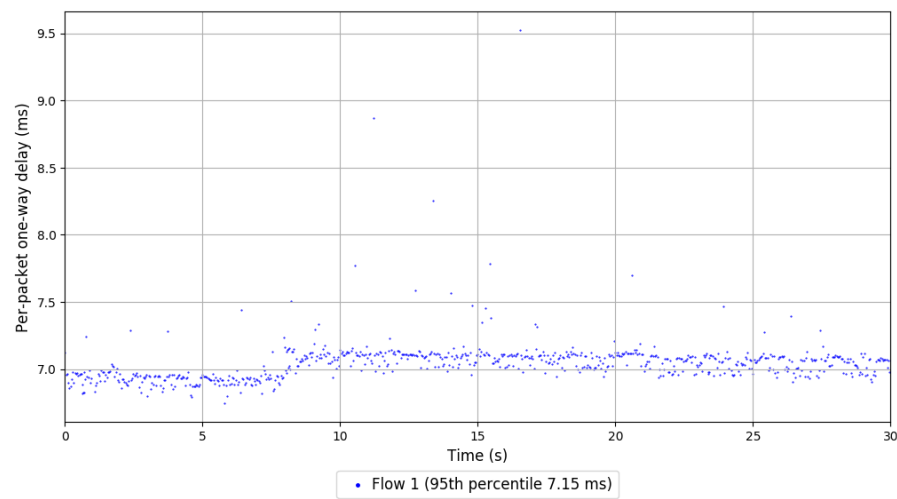
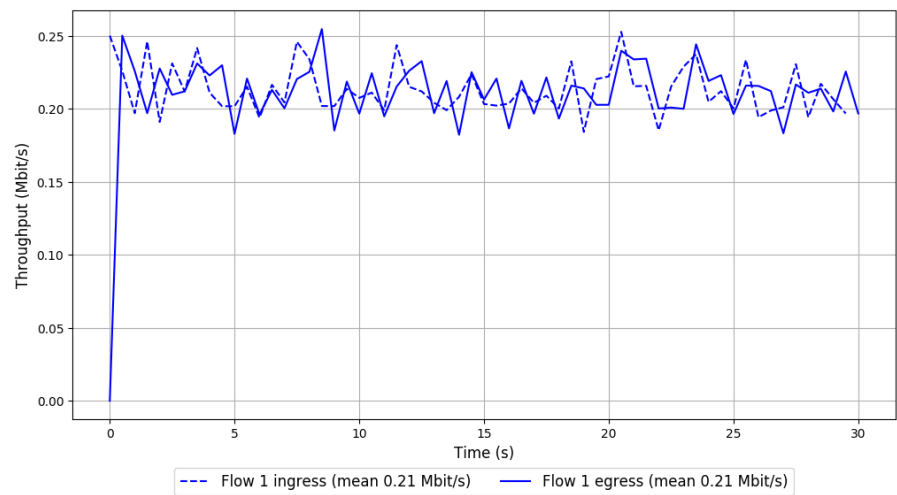


Run 2: Statistics of SCReAM

Start at: 2019-03-26 20:40:40  
End at: 2019-03-26 20:41:10  
Local clock offset: -4.047 ms  
Remote clock offset: -1.935 ms

# Below is generated by plot.py at 2019-03-26 22:15:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 7.154 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 7.154 ms  
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

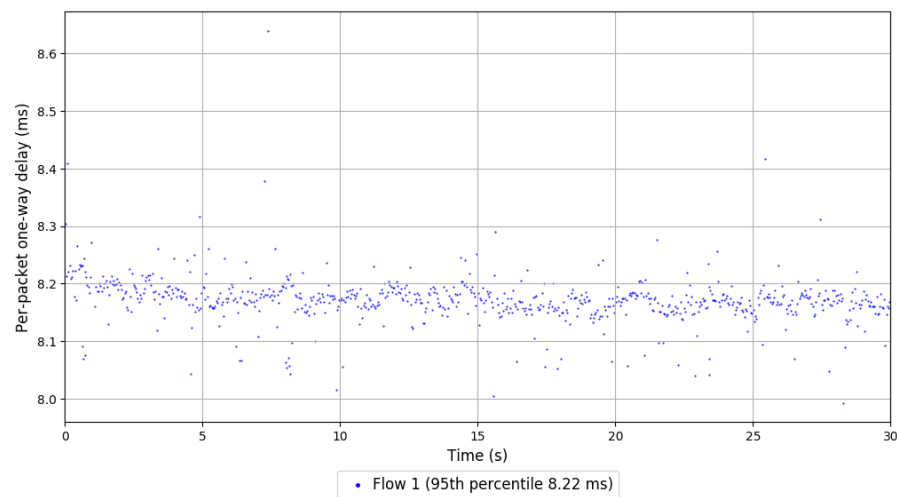
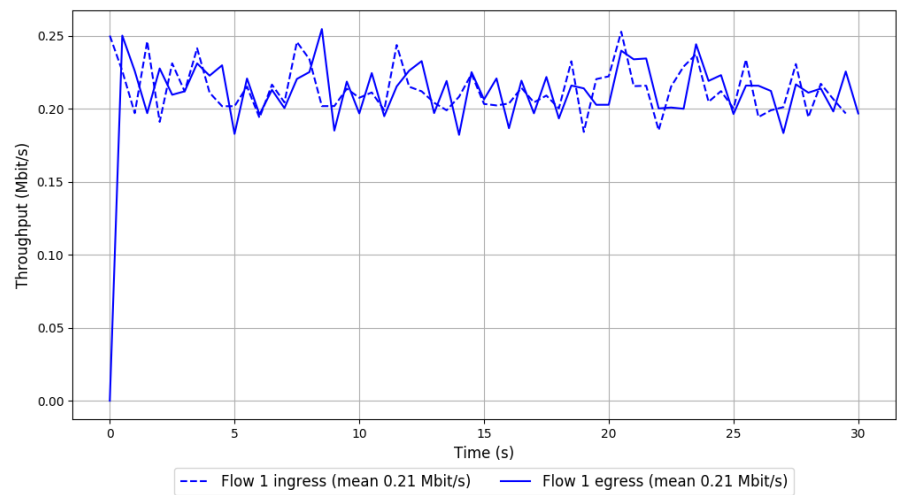


Run 3: Statistics of SCReAM

Start at: 2019-03-26 21:04:35  
End at: 2019-03-26 21:05:05  
Local clock offset: -1.877 ms  
Remote clock offset: -2.275 ms

# Below is generated by plot.py at 2019-03-26 22:15:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 8.224 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 8.224 ms  
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

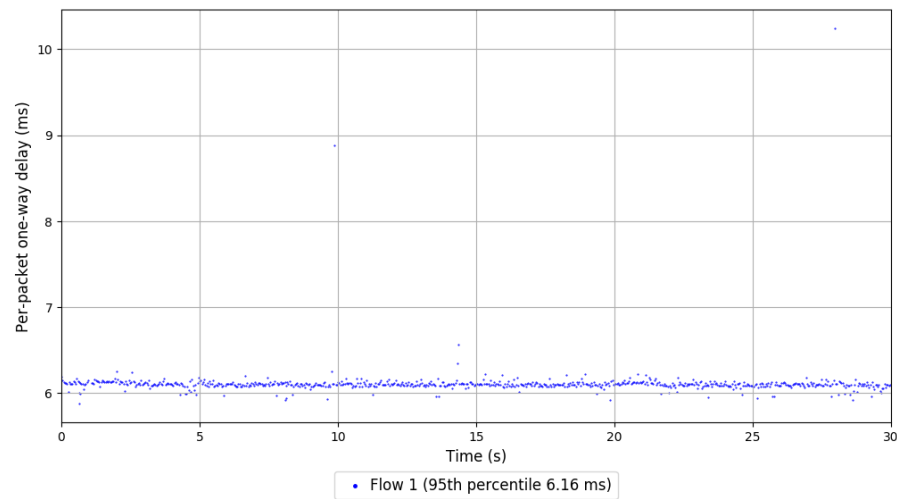
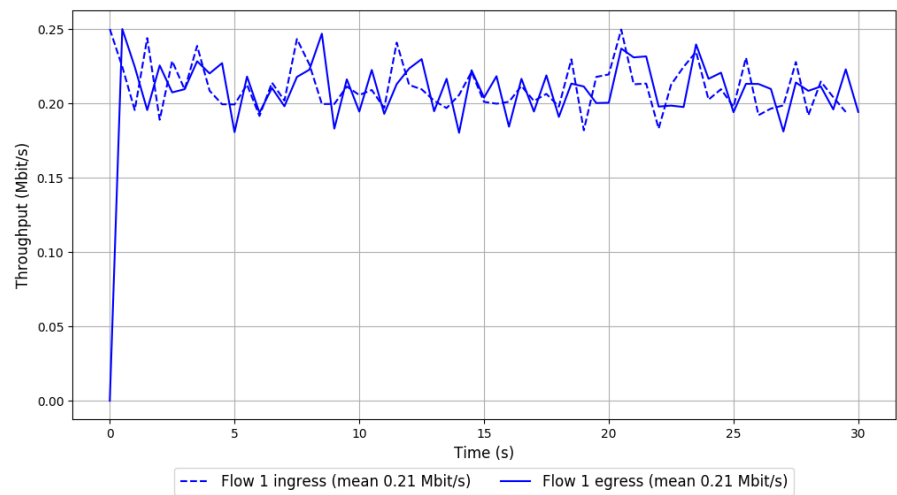


Run 4: Statistics of SReAM

Start at: 2019-03-26 21:28:22  
End at: 2019-03-26 21:28:52  
Local clock offset: 0.566 ms  
Remote clock offset: -2.013 ms

# Below is generated by plot.py at 2019-03-26 22:15:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 6.159 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 6.159 ms  
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

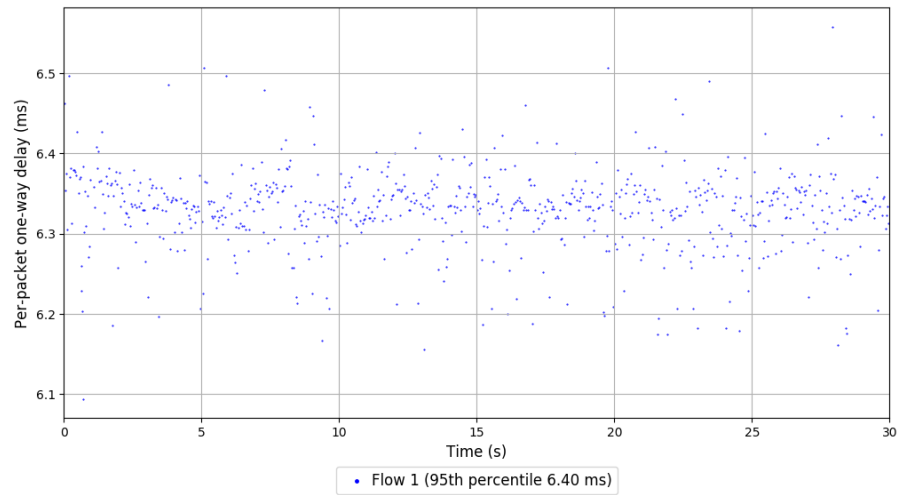
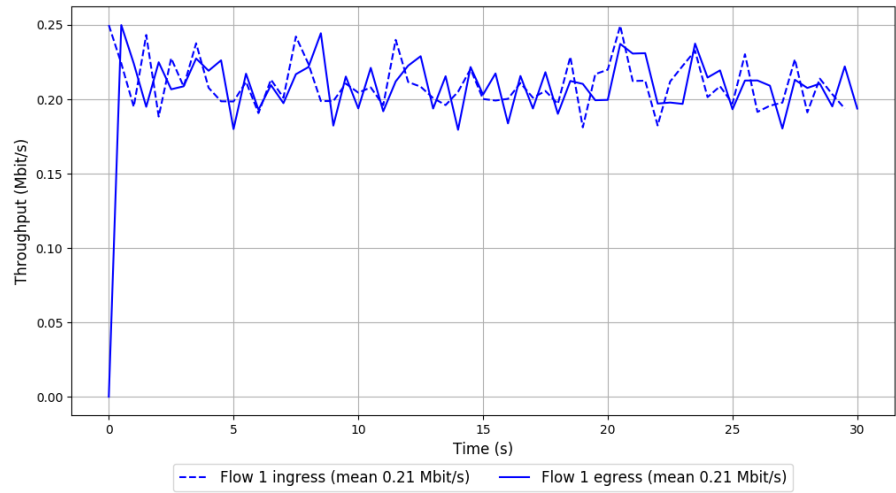


Run 5: Statistics of SCReAM

Start at: 2019-03-26 21:52:16  
End at: 2019-03-26 21:52:46  
Local clock offset: 0.031 ms  
Remote clock offset: -1.729 ms

# Below is generated by plot.py at 2019-03-26 22:15:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 6.401 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 6.401 ms  
Loss rate: 0.00%

## Run 5: Report of SReAM — Data Link

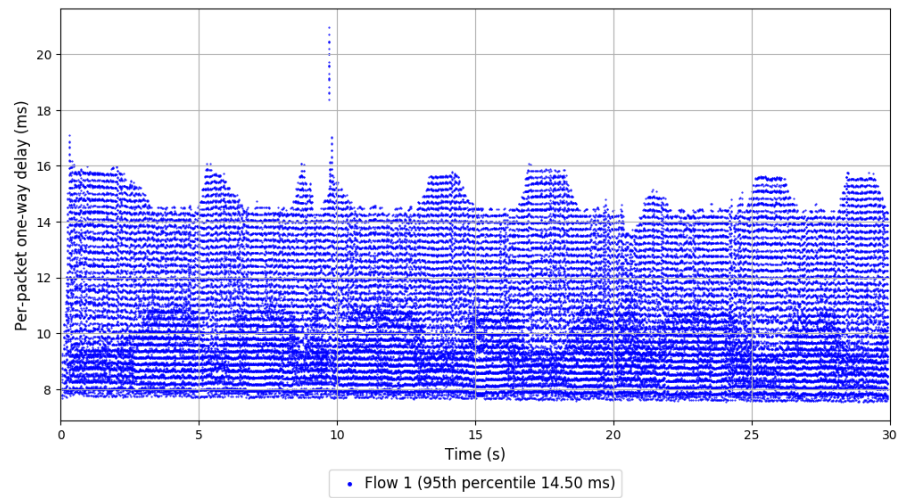
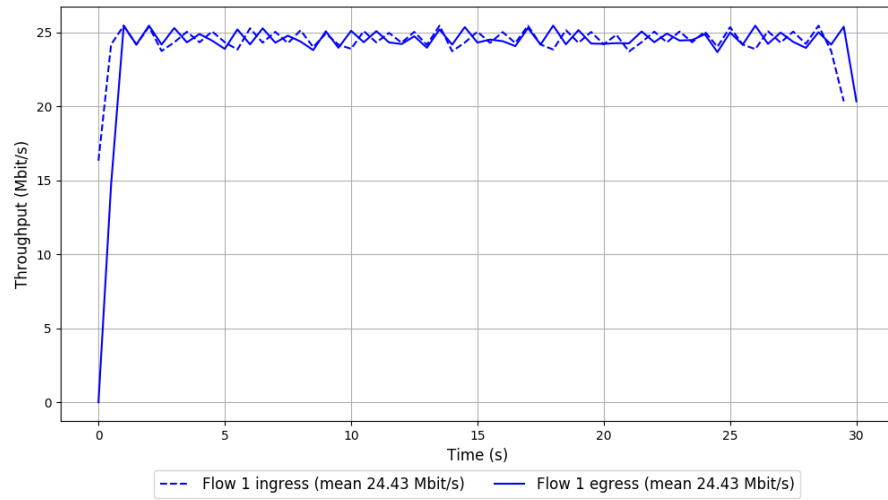


Run 1: Statistics of Sprout

Start at: 2019-03-26 20:11:08  
End at: 2019-03-26 20:11:38  
Local clock offset: -8.89 ms  
Remote clock offset: -5.508 ms

# Below is generated by plot.py at 2019-03-26 22:15:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.43 Mbit/s  
95th percentile per-packet one-way delay: 14.497 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 24.43 Mbit/s  
95th percentile per-packet one-way delay: 14.497 ms  
Loss rate: 0.00%

### Run 1: Report of Sprout — Data Link

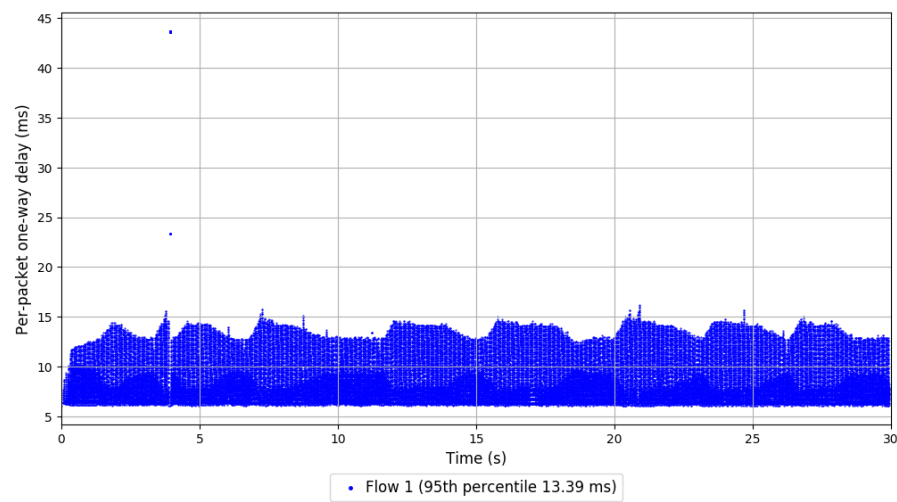
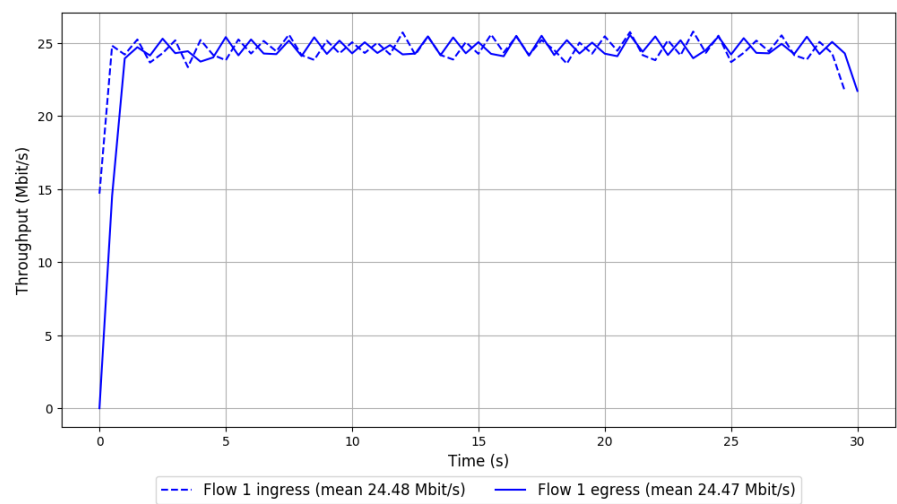


Run 2: Statistics of Sprout

Start at: 2019-03-26 20:34:59  
End at: 2019-03-26 20:35:29  
Local clock offset: -5.28 ms  
Remote clock offset: -4.741 ms

# Below is generated by plot.py at 2019-03-26 22:15:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.47 Mbit/s  
95th percentile per-packet one-way delay: 13.388 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 24.47 Mbit/s  
95th percentile per-packet one-way delay: 13.388 ms  
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

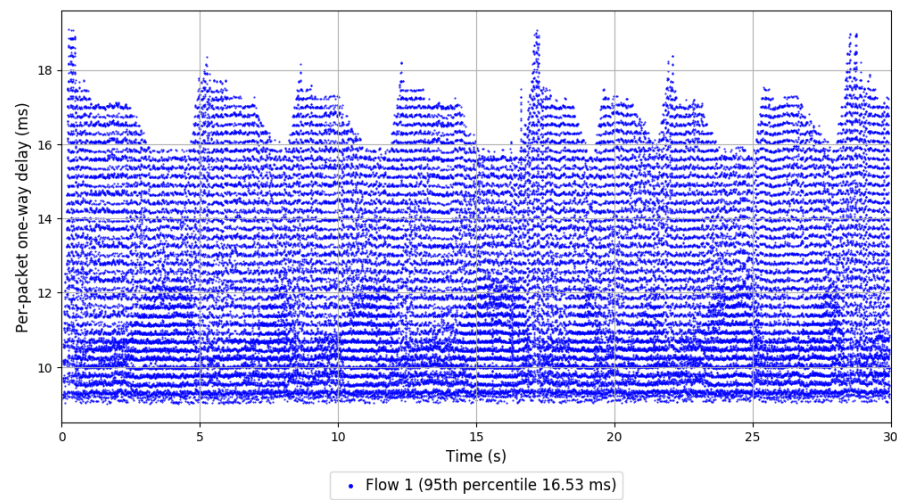
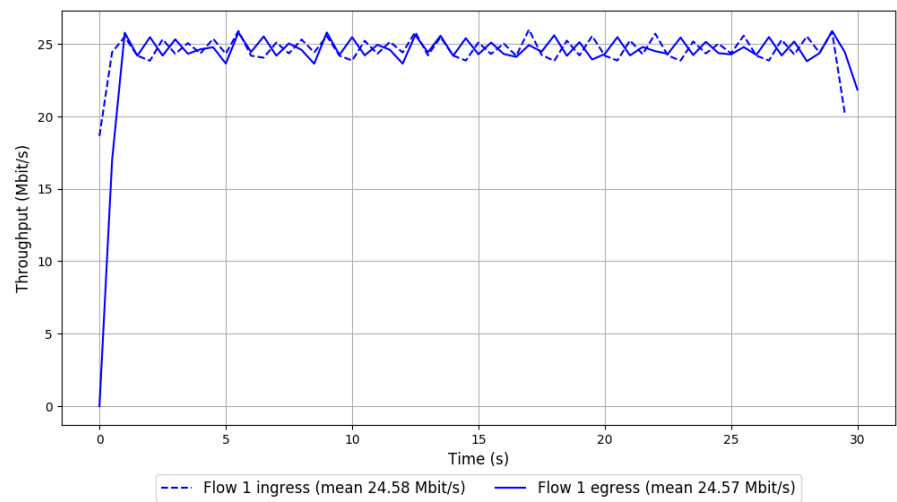


Run 3: Statistics of Sprout

Start at: 2019-03-26 20:58:54  
End at: 2019-03-26 20:59:24  
Local clock offset: -1.827 ms  
Remote clock offset: -1.137 ms

# Below is generated by plot.py at 2019-03-26 22:15:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.57 Mbit/s  
95th percentile per-packet one-way delay: 16.533 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 24.57 Mbit/s  
95th percentile per-packet one-way delay: 16.533 ms  
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

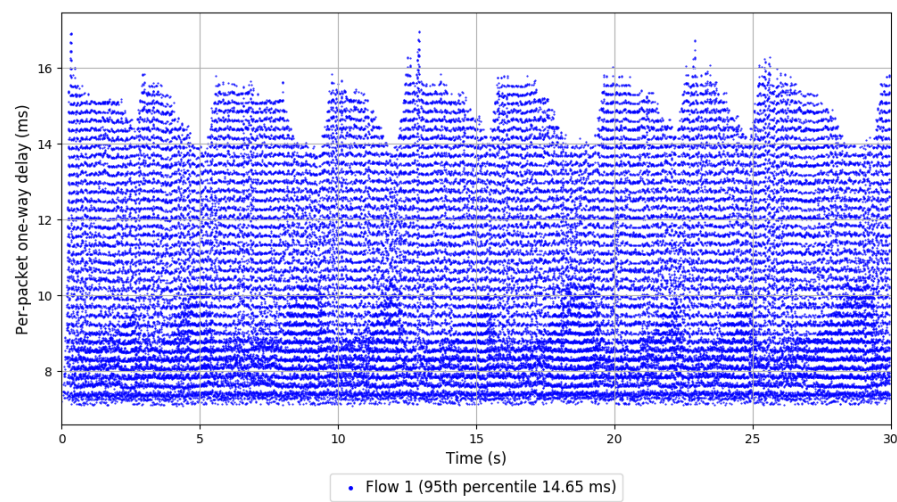
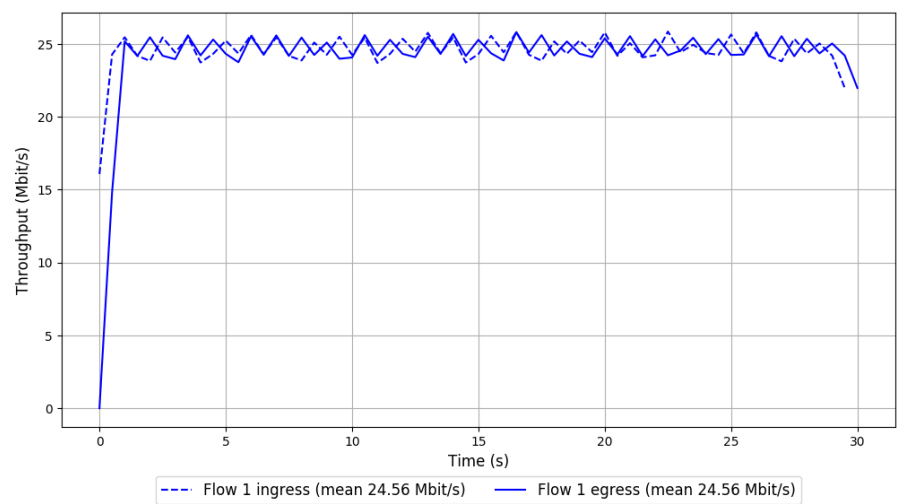


Run 4: Statistics of Sprout

Start at: 2019-03-26 21:22:43  
End at: 2019-03-26 21:23:13  
Local clock offset: -0.093 ms  
Remote clock offset: -1.712 ms

# Below is generated by plot.py at 2019-03-26 22:15:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.56 Mbit/s  
95th percentile per-packet one-way delay: 14.648 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 24.56 Mbit/s  
95th percentile per-packet one-way delay: 14.648 ms  
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

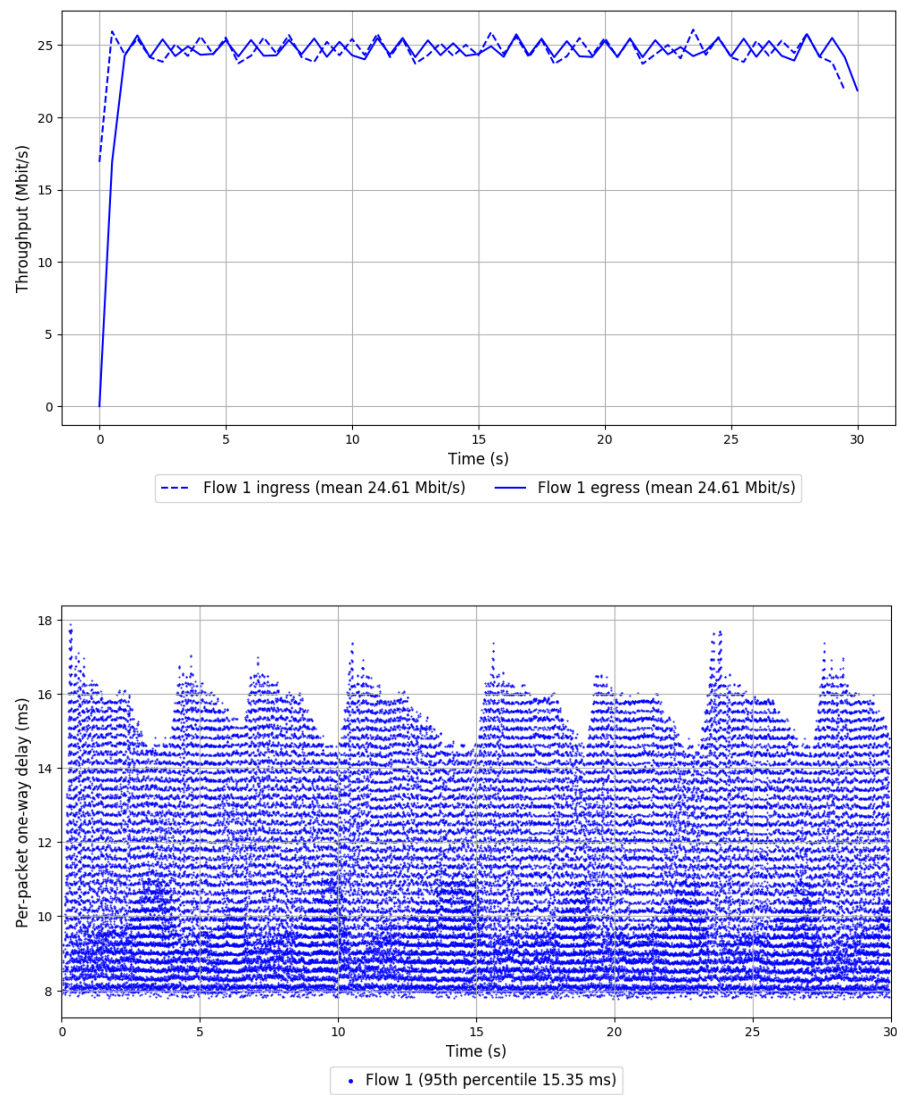


Run 5: Statistics of Sprout

Start at: 2019-03-26 21:46:36  
End at: 2019-03-26 21:47:06  
Local clock offset: -0.795 ms  
Remote clock offset: -1.349 ms

# Below is generated by plot.py at 2019-03-26 22:15:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.61 Mbit/s  
95th percentile per-packet one-way delay: 15.350 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 24.61 Mbit/s  
95th percentile per-packet one-way delay: 15.350 ms  
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

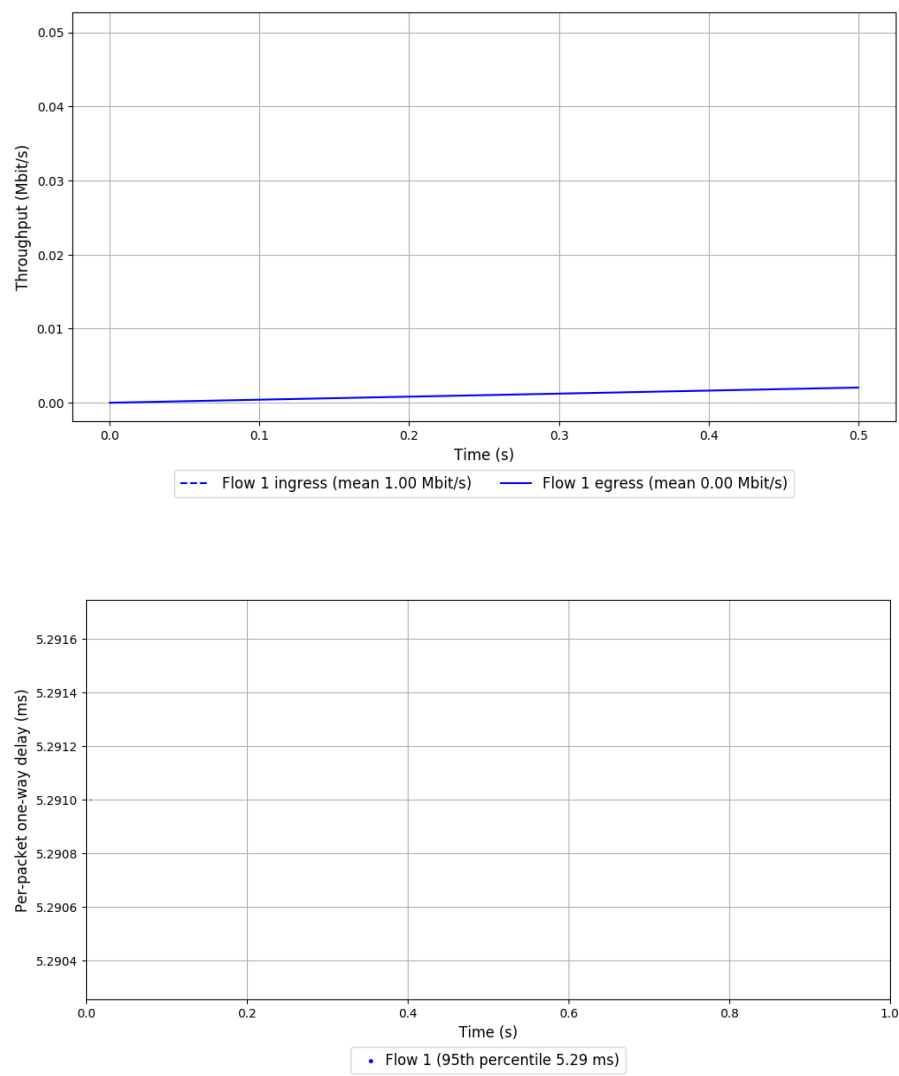
Start at: 2019-03-26 20:29:21

End at: 2019-03-26 20:29:51

Local clock offset: -4.041 ms

Remote clock offset: -4.549 ms

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



Run 2: Statistics of TaoVA-100x

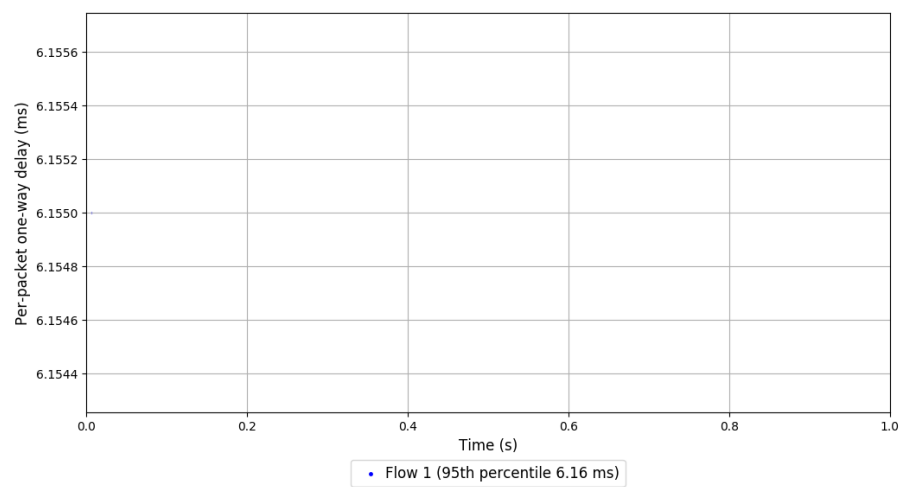
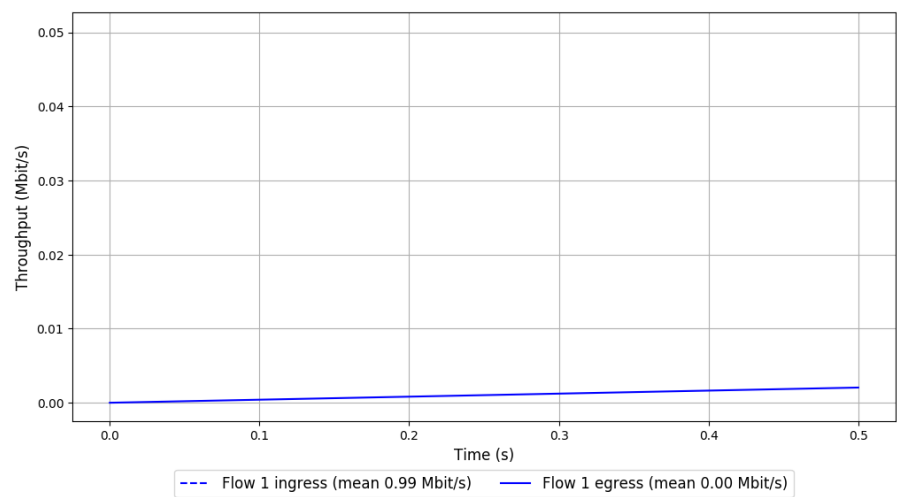
Start at: 2019-03-26 20:53:13

End at: 2019-03-26 20:53:43

Local clock offset: -2.986 ms

Remote clock offset: -4.153 ms

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



Run 3: Statistics of TaoVA-100x

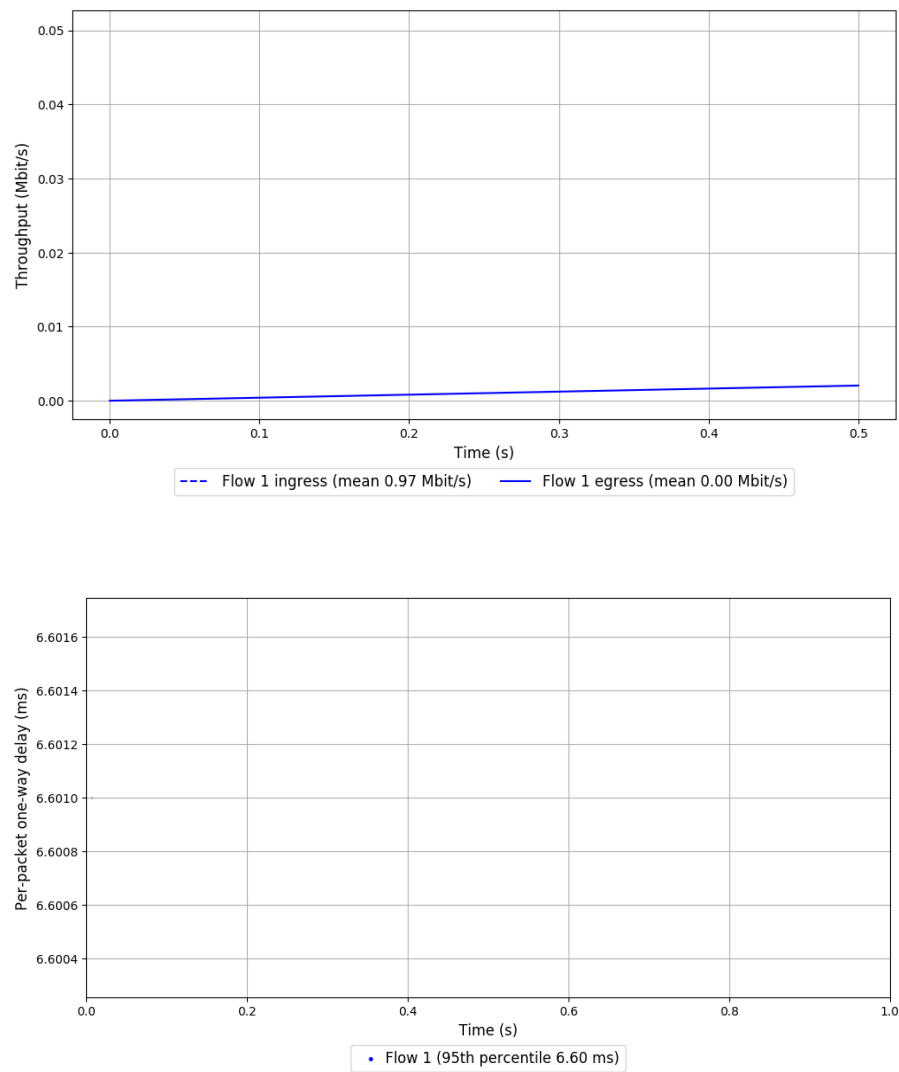
Start at: 2019-03-26 21:17:05

End at: 2019-03-26 21:17:35

Local clock offset: -1.004 ms

Remote clock offset: -2.98 ms

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



Run 4: Statistics of TaoVA-100x

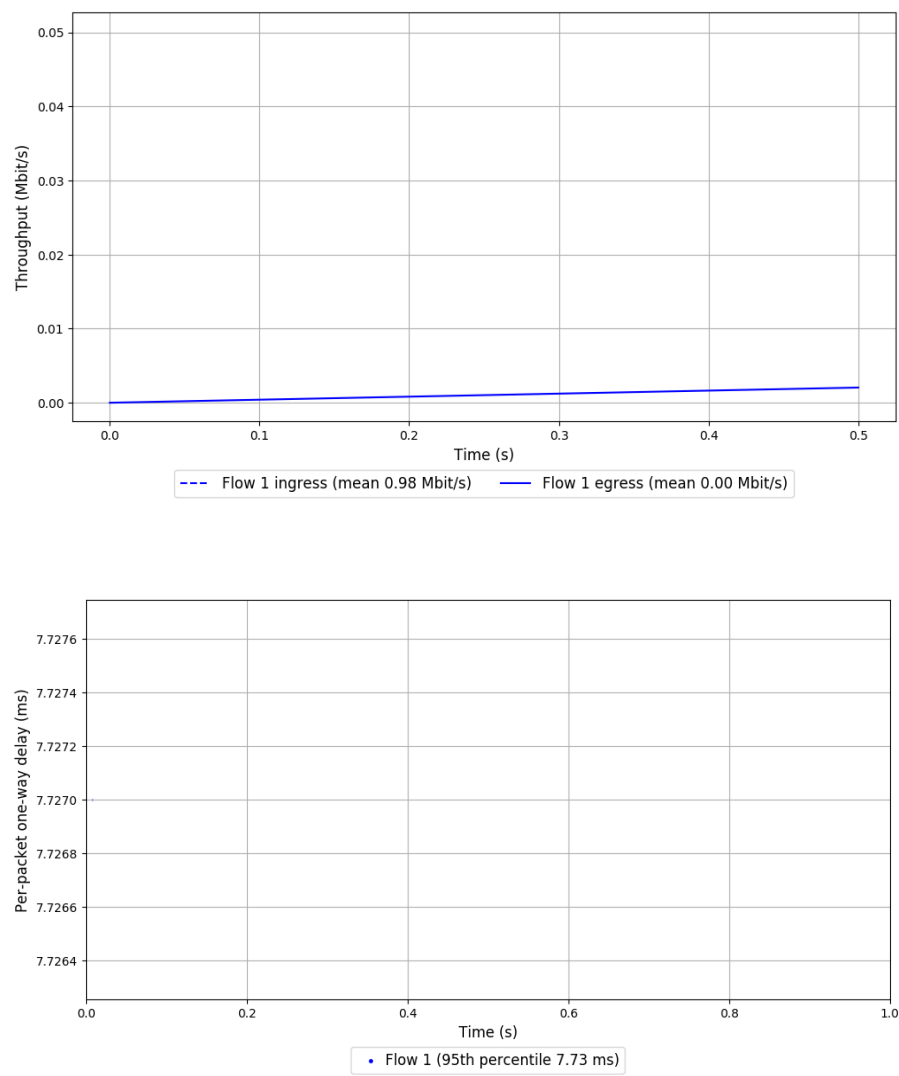
Start at: 2019-03-26 21:40:56

End at: 2019-03-26 21:41:26

Local clock offset: -0.108 ms

Remote clock offset: -0.98 ms

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



Run 5: Statistics of TaoVA-100x

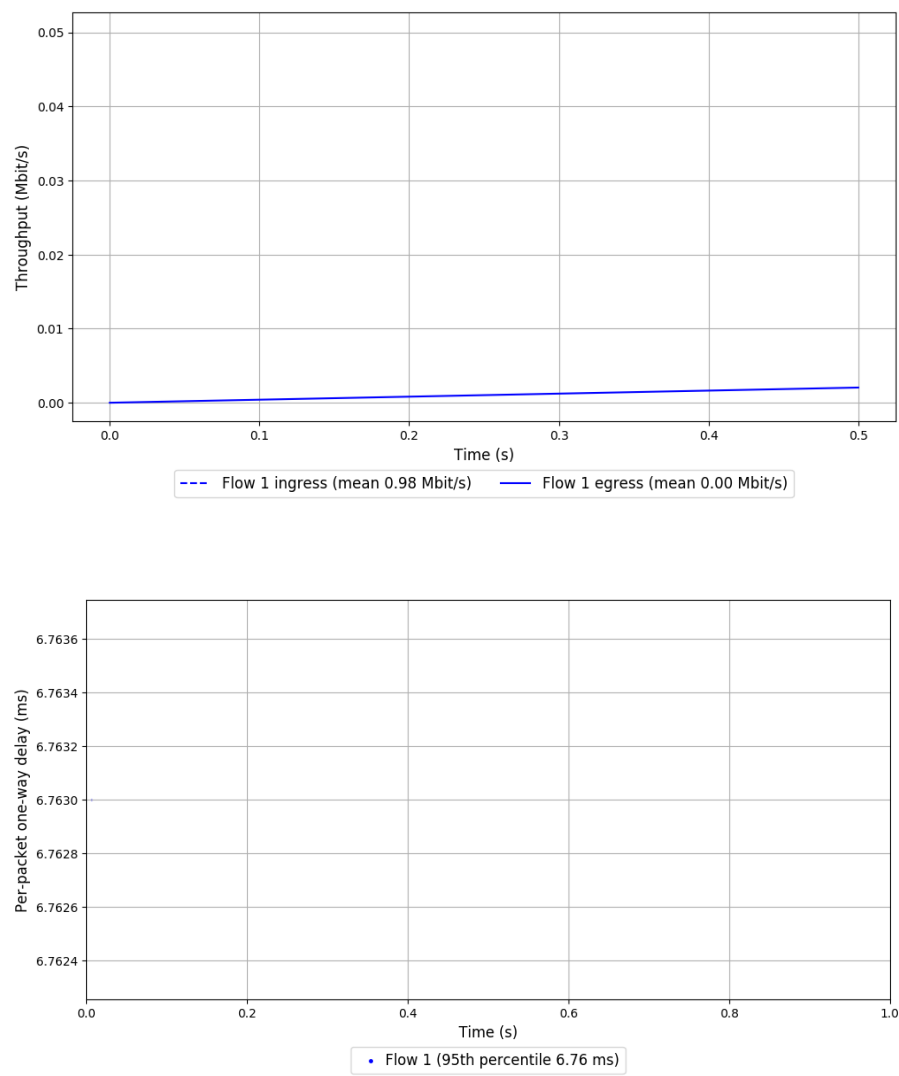
Start at: 2019-03-26 22:04:42

End at: 2019-03-26 22:05:12

Local clock offset: -0.922 ms

Remote clock offset: -1.835 ms

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



Run 1: Statistics of TCP Vegas

Start at: 2019-03-26 20:19:02

End at: 2019-03-26 20:19:32

Local clock offset: -7.313 ms

Remote clock offset: -4.21 ms

# Below is generated by plot.py at 2019-03-26 22:15:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 96.97 Mbit/s

95th percentile per-packet one-way delay: 9.845 ms

Loss rate: 0.40%

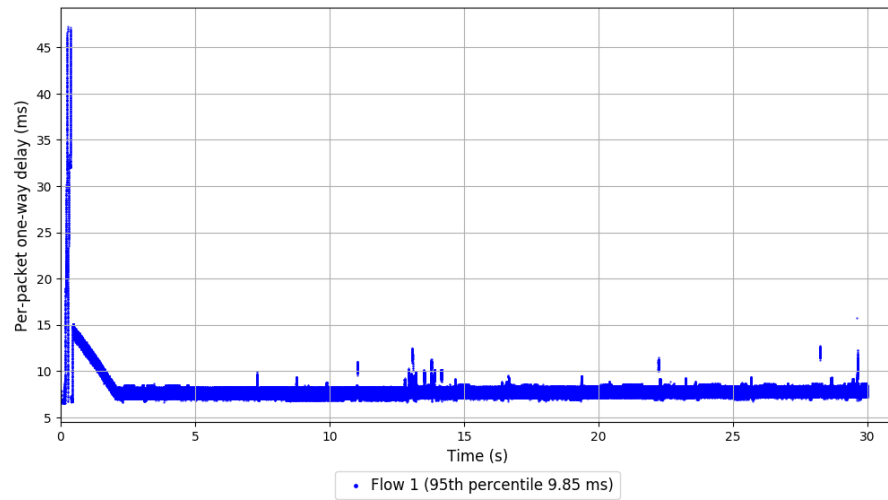
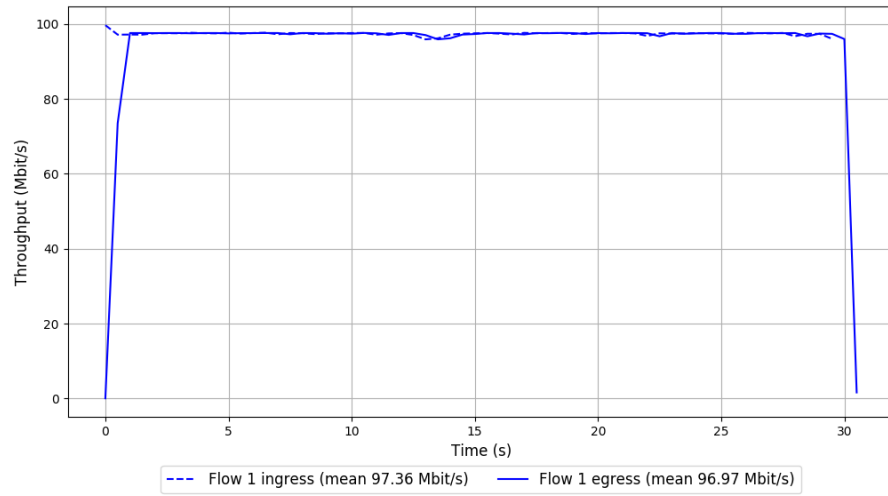
-- Flow 1:

Average throughput: 96.97 Mbit/s

95th percentile per-packet one-way delay: 9.845 ms

Loss rate: 0.40%

### Run 1: Report of TCP Vegas — Data Link

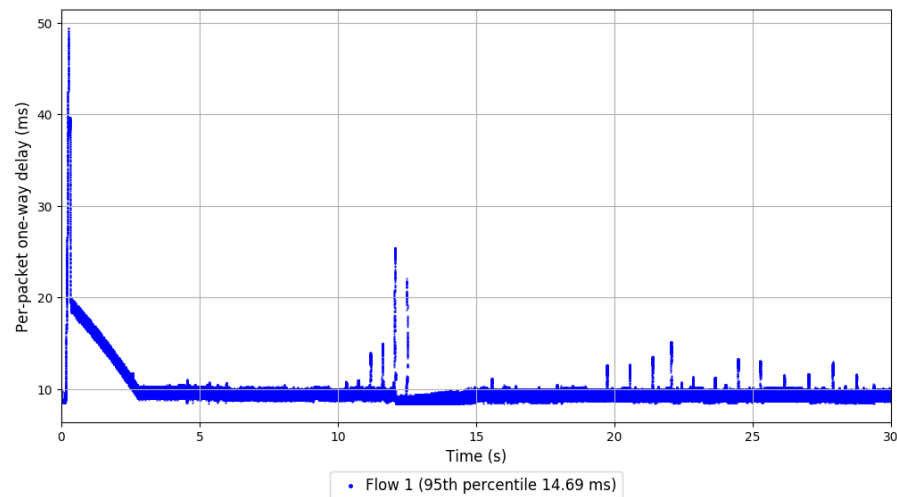
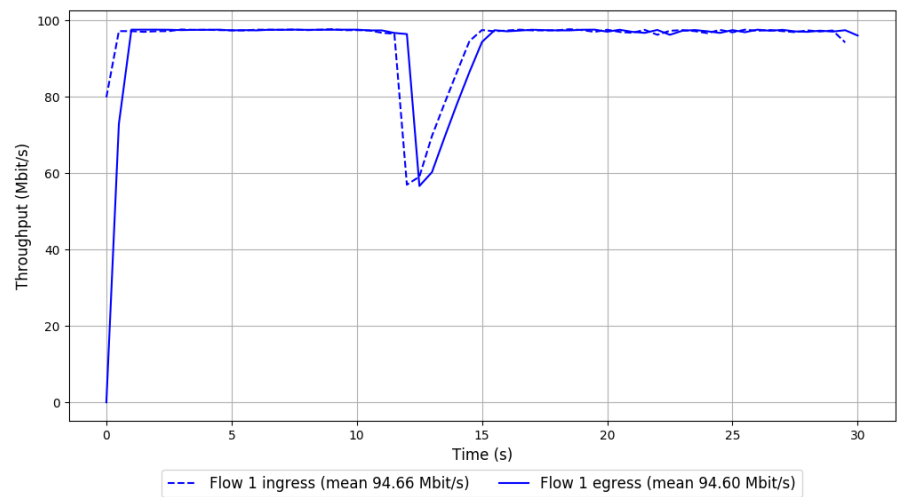


Run 2: Statistics of TCP Vegas

Start at: 2019-03-26 20:42:54  
End at: 2019-03-26 20:43:24  
Local clock offset: -4.849 ms  
Remote clock offset: -0.906 ms

# Below is generated by plot.py at 2019-03-26 22:16:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.60 Mbit/s  
95th percentile per-packet one-way delay: 14.693 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 94.60 Mbit/s  
95th percentile per-packet one-way delay: 14.693 ms  
Loss rate: 0.06%

Run 2: Report of TCP Vegas — Data Link

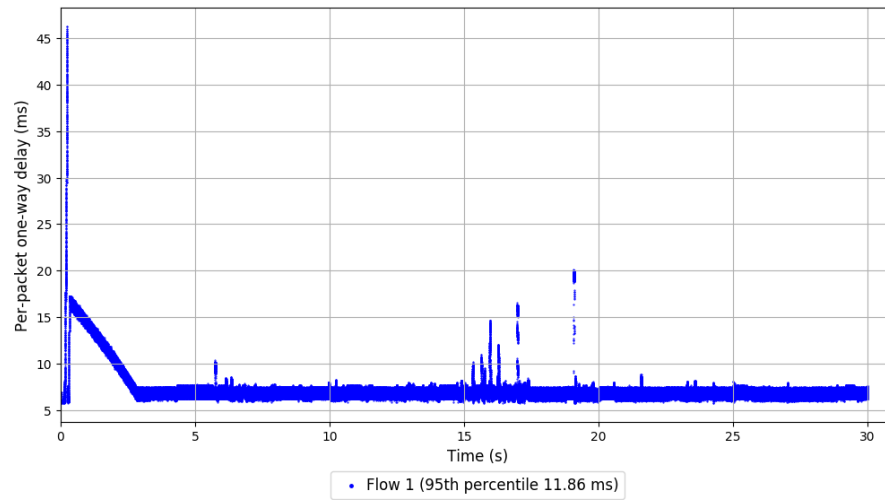
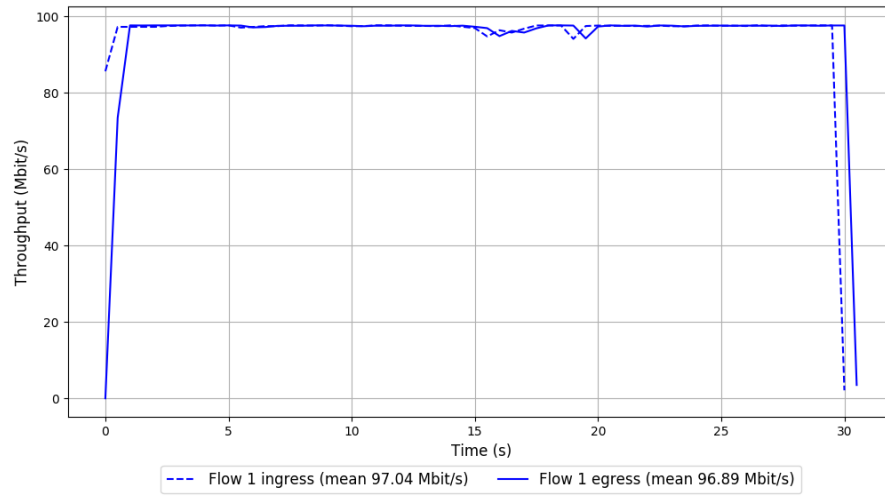


Run 3: Statistics of TCP Vegas

Start at: 2019-03-26 21:06:49  
End at: 2019-03-26 21:07:19  
Local clock offset: -0.063 ms  
Remote clock offset: -2.726 ms

# Below is generated by plot.py at 2019-03-26 22:16:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.89 Mbit/s  
95th percentile per-packet one-way delay: 11.861 ms  
Loss rate: 0.16%  
-- Flow 1:  
Average throughput: 96.89 Mbit/s  
95th percentile per-packet one-way delay: 11.861 ms  
Loss rate: 0.16%

### Run 3: Report of TCP Vegas — Data Link

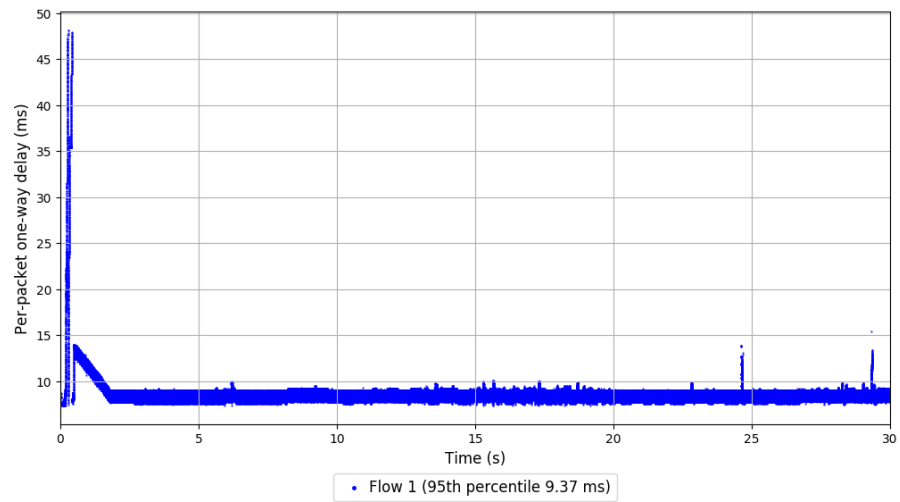
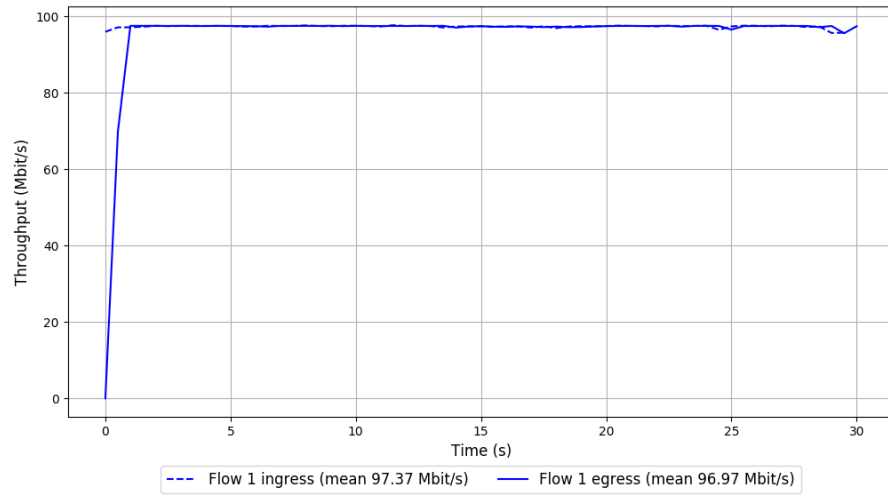


Run 4: Statistics of TCP Vegas

Start at: 2019-03-26 21:30:39  
End at: 2019-03-26 21:31:09  
Local clock offset: -0.304 ms  
Remote clock offset: -1.245 ms

# Below is generated by plot.py at 2019-03-26 22:16:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.97 Mbit/s  
95th percentile per-packet one-way delay: 9.368 ms  
Loss rate: 0.40%  
-- Flow 1:  
Average throughput: 96.97 Mbit/s  
95th percentile per-packet one-way delay: 9.368 ms  
Loss rate: 0.40%

#### Run 4: Report of TCP Vegas — Data Link

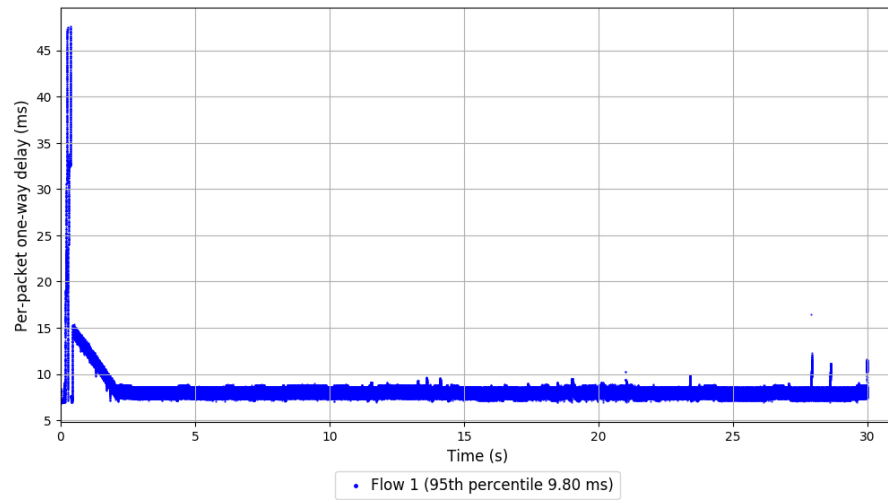
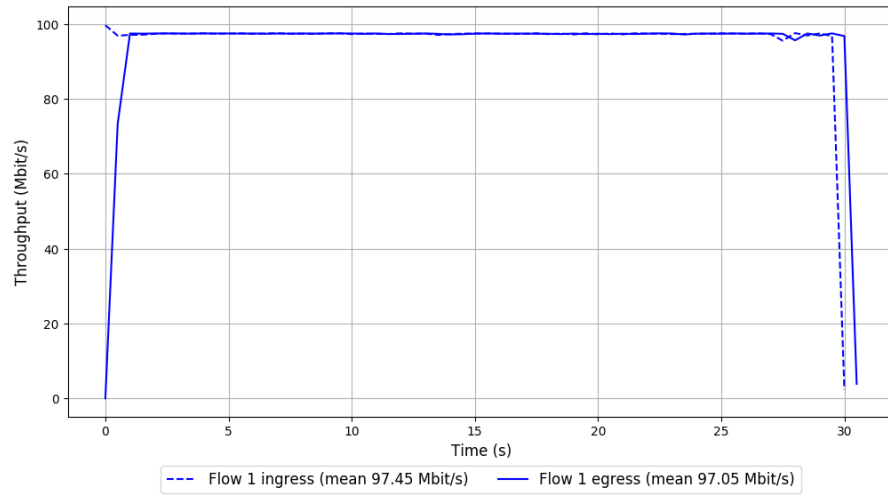


Run 5: Statistics of TCP Vegas

Start at: 2019-03-26 21:54:29  
End at: 2019-03-26 21:54:59  
Local clock offset: -0.169 ms  
Remote clock offset: -1.197 ms

# Below is generated by plot.py at 2019-03-26 22:16:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.05 Mbit/s  
95th percentile per-packet one-way delay: 9.799 ms  
Loss rate: 0.40%  
-- Flow 1:  
Average throughput: 97.05 Mbit/s  
95th percentile per-packet one-way delay: 9.799 ms  
Loss rate: 0.40%

### Run 5: Report of TCP Vegas — Data Link

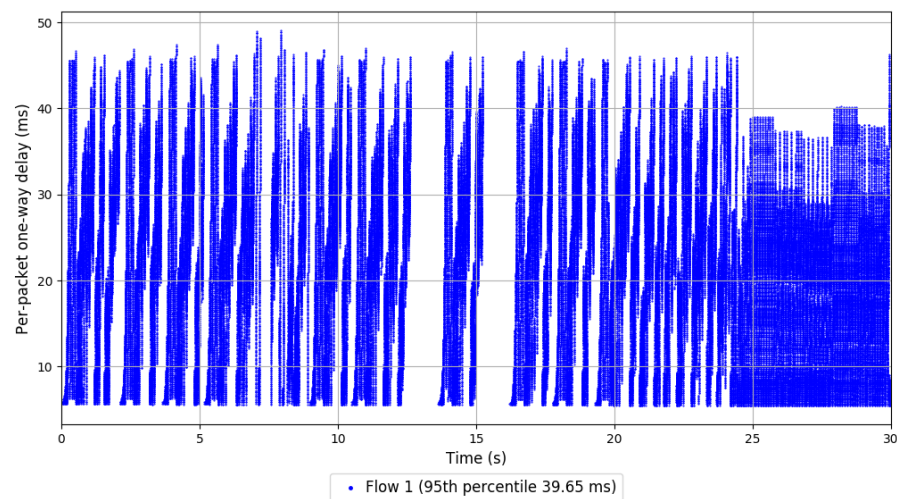
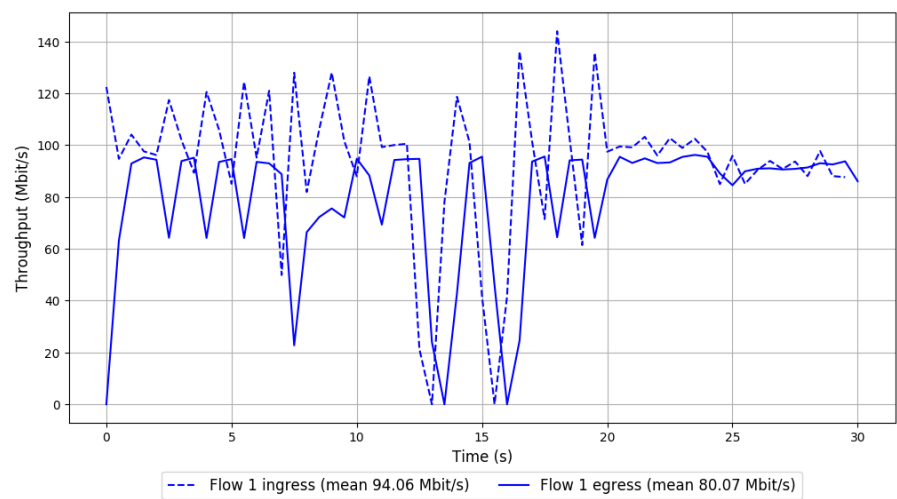


Run 1: Statistics of Verus

Start at: 2019-03-26 20:08:50  
End at: 2019-03-26 20:09:20  
Local clock offset: -7.936 ms  
Remote clock offset: -6.483 ms

# Below is generated by plot.py at 2019-03-26 22:16:21  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 80.07 Mbit/s  
95th percentile per-packet one-way delay: 39.652 ms  
Loss rate: 14.87%  
-- Flow 1:  
Average throughput: 80.07 Mbit/s  
95th percentile per-packet one-way delay: 39.652 ms  
Loss rate: 14.87%

Run 1: Report of Verus — Data Link

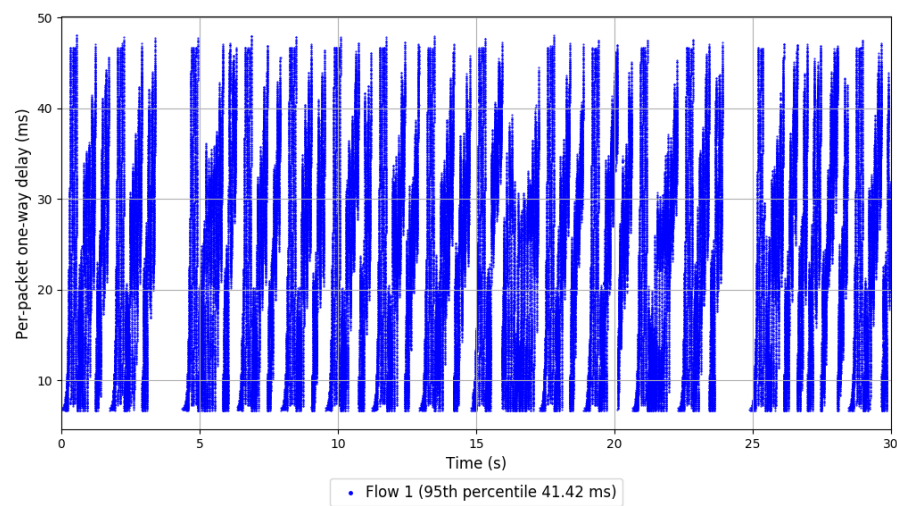
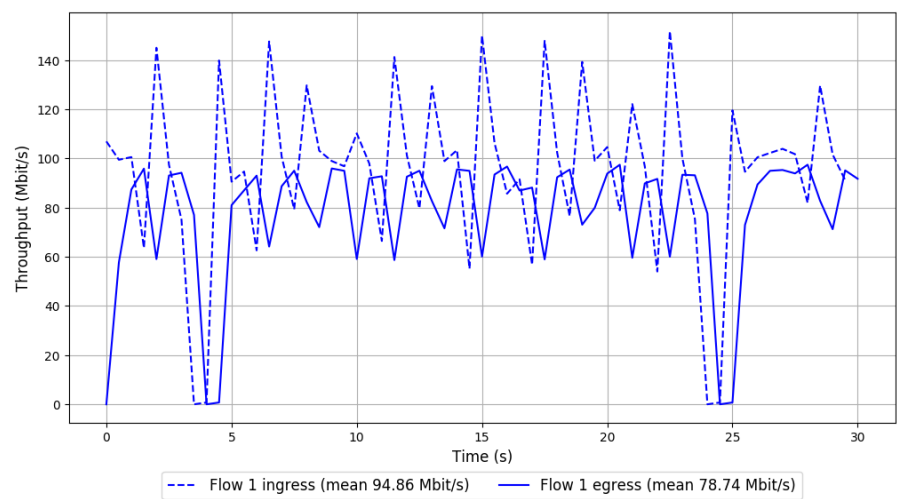


Run 2: Statistics of Verus

Start at: 2019-03-26 20:32:40  
End at: 2019-03-26 20:33:10  
Local clock offset: -4.766 ms  
Remote clock offset: -3.793 ms

# Below is generated by plot.py at 2019-03-26 22:16:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 78.74 Mbit/s  
95th percentile per-packet one-way delay: 41.419 ms  
Loss rate: 16.92%  
-- Flow 1:  
Average throughput: 78.74 Mbit/s  
95th percentile per-packet one-way delay: 41.419 ms  
Loss rate: 16.92%

Run 2: Report of Verus — Data Link

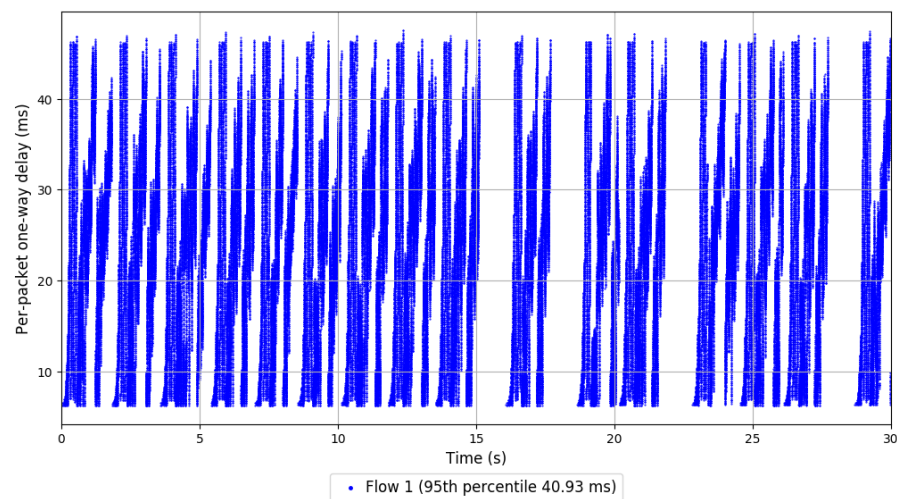
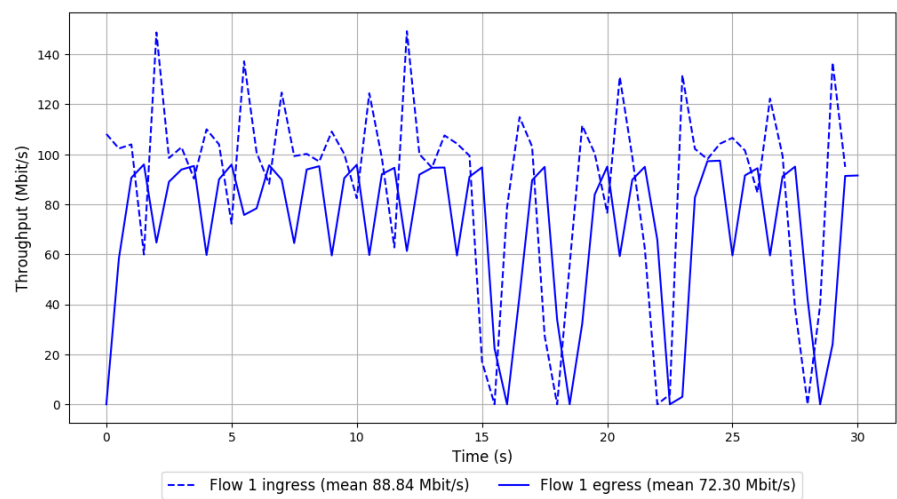


Run 3: Statistics of Verus

Start at: 2019-03-26 20:56:34  
End at: 2019-03-26 20:57:04  
Local clock offset: -2.008 ms  
Remote clock offset: -3.616 ms

# Below is generated by plot.py at 2019-03-26 22:16:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 72.30 Mbit/s  
95th percentile per-packet one-way delay: 40.926 ms  
Loss rate: 18.60%  
-- Flow 1:  
Average throughput: 72.30 Mbit/s  
95th percentile per-packet one-way delay: 40.926 ms  
Loss rate: 18.60%

Run 3: Report of Verus — Data Link

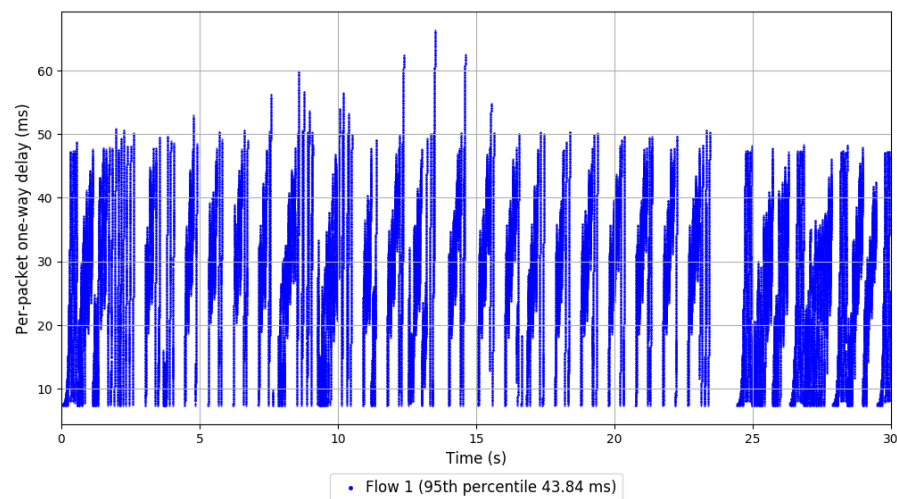
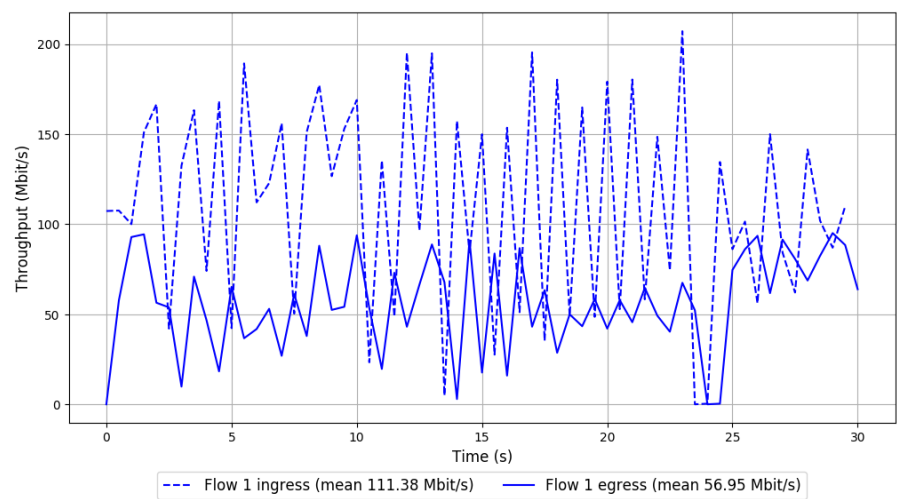


Run 4: Statistics of Verus

Start at: 2019-03-26 21:20:25  
End at: 2019-03-26 21:20:55  
Local clock offset: -0.326 ms  
Remote clock offset: -1.754 ms

# Below is generated by plot.py at 2019-03-26 22:16:44  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 56.95 Mbit/s  
95th percentile per-packet one-way delay: 43.842 ms  
Loss rate: 48.83%  
-- Flow 1:  
Average throughput: 56.95 Mbit/s  
95th percentile per-packet one-way delay: 43.842 ms  
Loss rate: 48.83%

Run 4: Report of Verus — Data Link

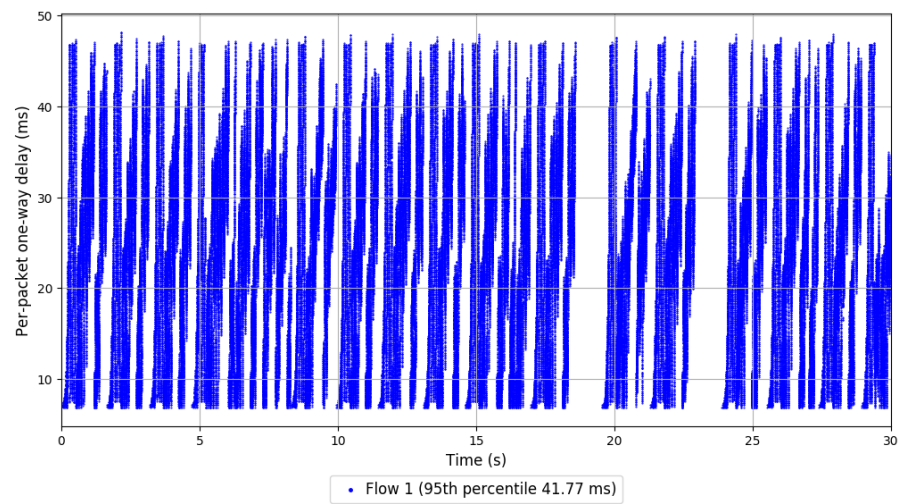
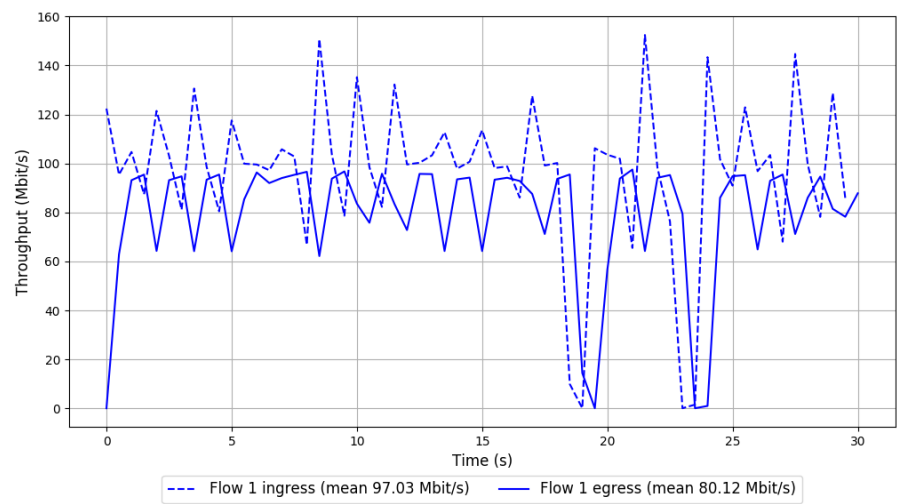


Run 5: Statistics of Verus

Start at: 2019-03-26 21:44:16  
End at: 2019-03-26 21:44:47  
Local clock offset: -0.127 ms  
Remote clock offset: -1.669 ms

# Below is generated by plot.py at 2019-03-26 22:17:05  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 80.12 Mbit/s  
95th percentile per-packet one-way delay: 41.767 ms  
Loss rate: 17.35%  
-- Flow 1:  
Average throughput: 80.12 Mbit/s  
95th percentile per-packet one-way delay: 41.767 ms  
Loss rate: 17.35%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-03-26 20:13:24

End at: 2019-03-26 20:13:54

Local clock offset: -7.889 ms

Remote clock offset: -6.516 ms

# Below is generated by plot.py at 2019-03-26 22:17:09

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.62 Mbit/s

95th percentile per-packet one-way delay: 5.581 ms

Loss rate: 0.00%

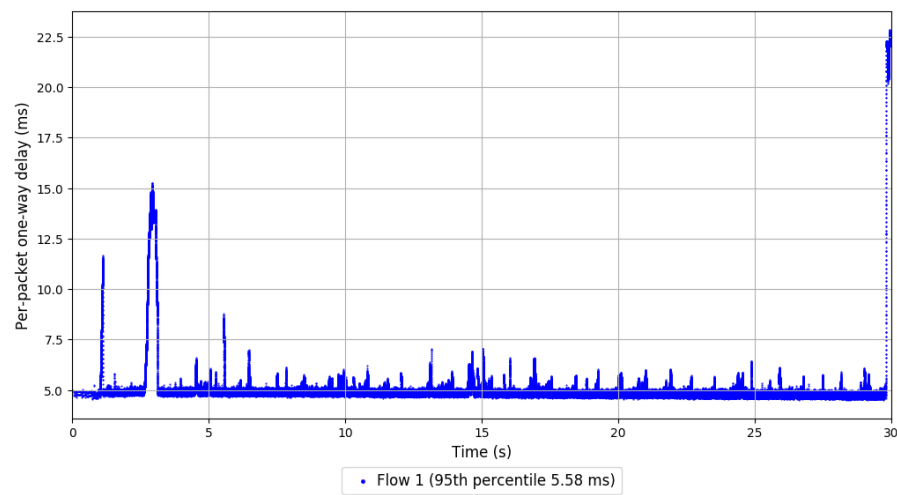
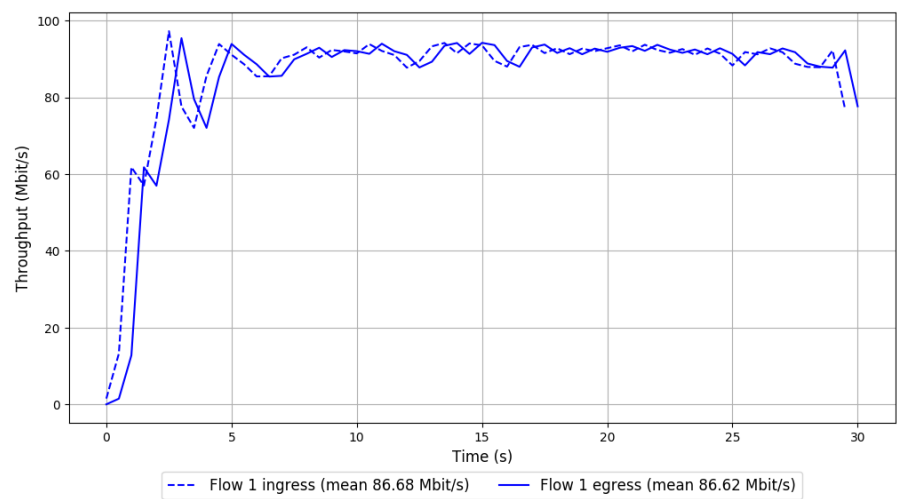
-- Flow 1:

Average throughput: 86.62 Mbit/s

95th percentile per-packet one-way delay: 5.581 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

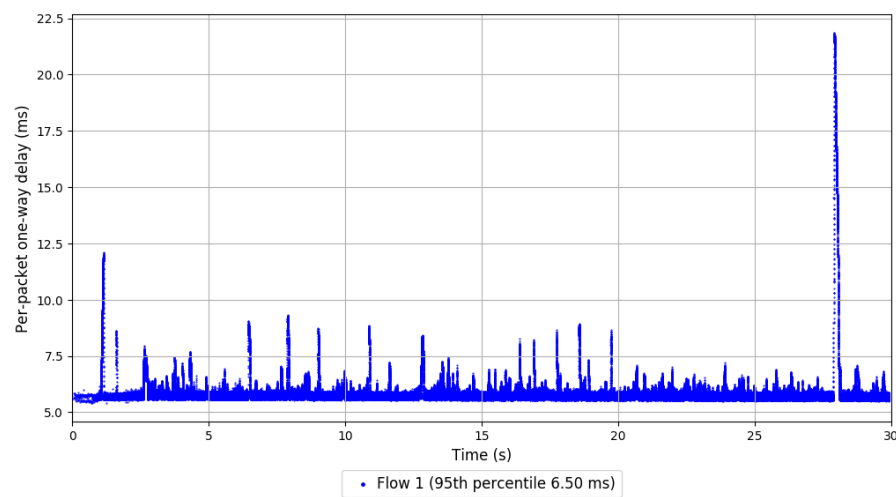
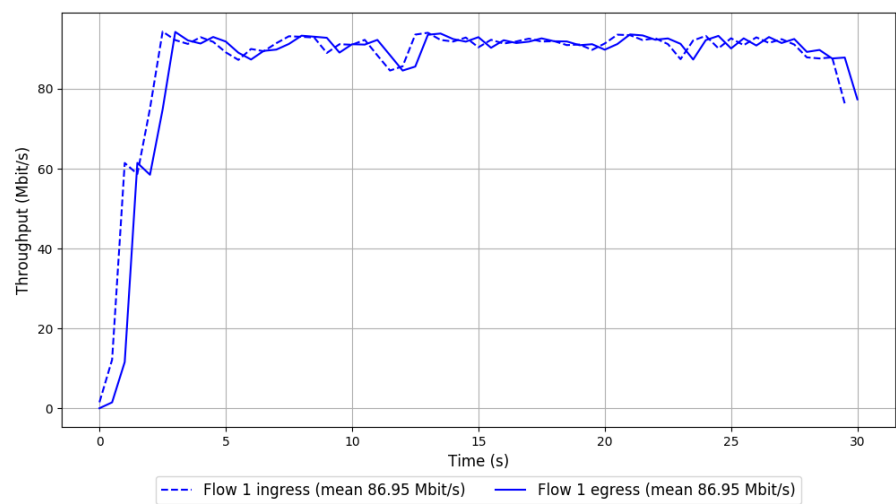


Run 2: Statistics of PCC-Vivace

Start at: 2019-03-26 20:37:15  
End at: 2019-03-26 20:37:45  
Local clock offset: -3.359 ms  
Remote clock offset: -3.107 ms

# Below is generated by plot.py at 2019-03-26 22:17:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 86.95 Mbit/s  
95th percentile per-packet one-way delay: 6.504 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 86.95 Mbit/s  
95th percentile per-packet one-way delay: 6.504 ms  
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link

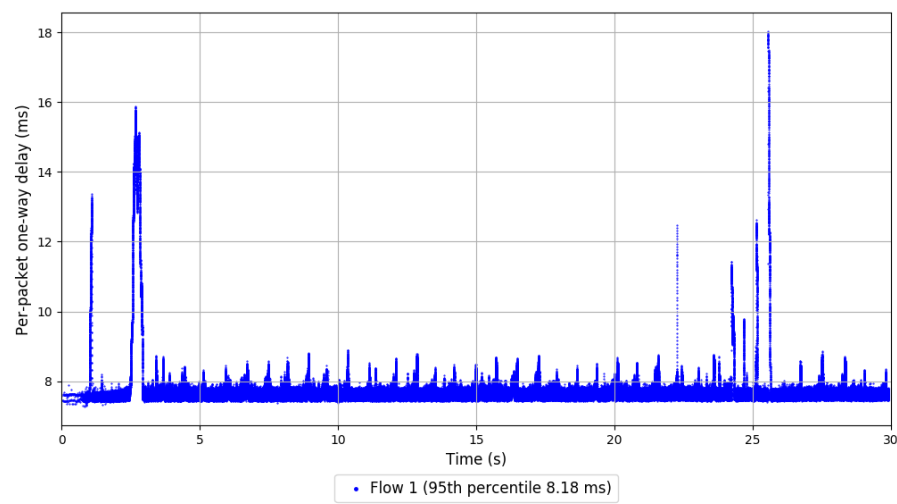
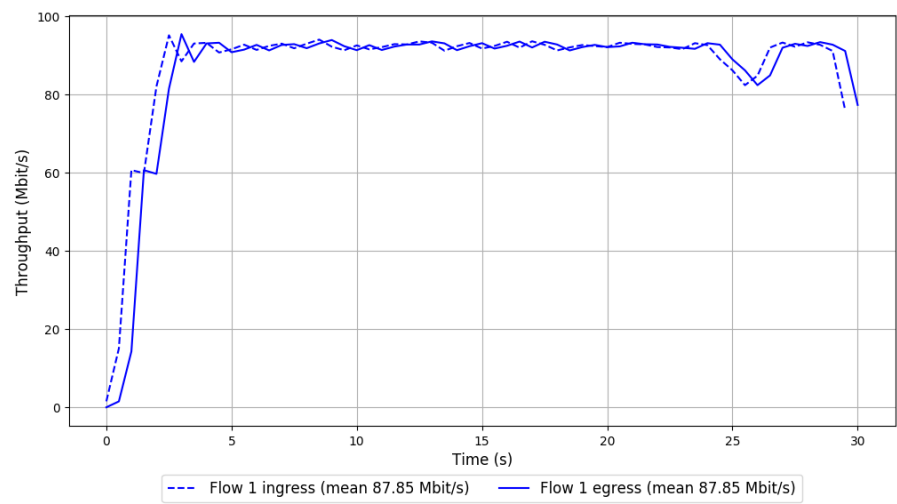


Run 3: Statistics of PCC-Vivace

Start at: 2019-03-26 21:01:10  
End at: 2019-03-26 21:01:40  
Local clock offset: -1.918 ms  
Remote clock offset: -2.708 ms

# Below is generated by plot.py at 2019-03-26 22:17:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 87.85 Mbit/s  
95th percentile per-packet one-way delay: 8.178 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 87.85 Mbit/s  
95th percentile per-packet one-way delay: 8.178 ms  
Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-03-26 21:24:58

End at: 2019-03-26 21:25:28

Local clock offset: 0.963 ms

Remote clock offset: -0.635 ms

# Below is generated by plot.py at 2019-03-26 22:17:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.74 Mbit/s

95th percentile per-packet one-way delay: 8.028 ms

Loss rate: 0.00%

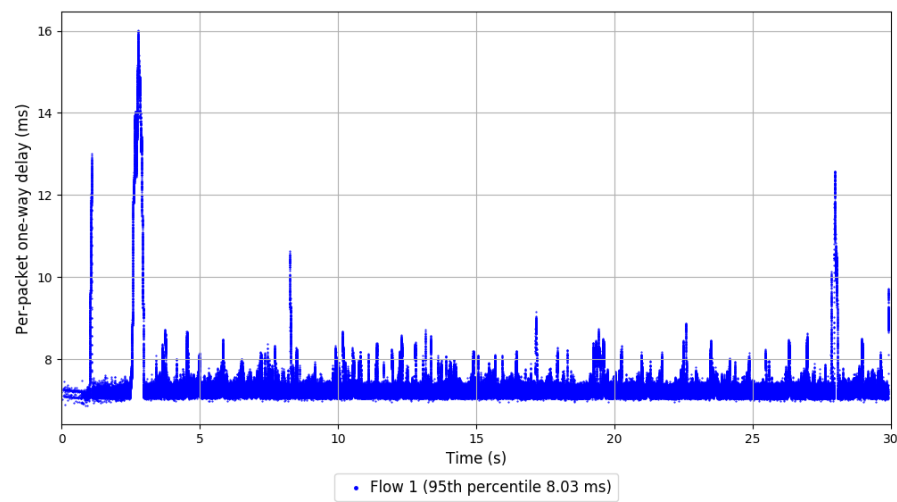
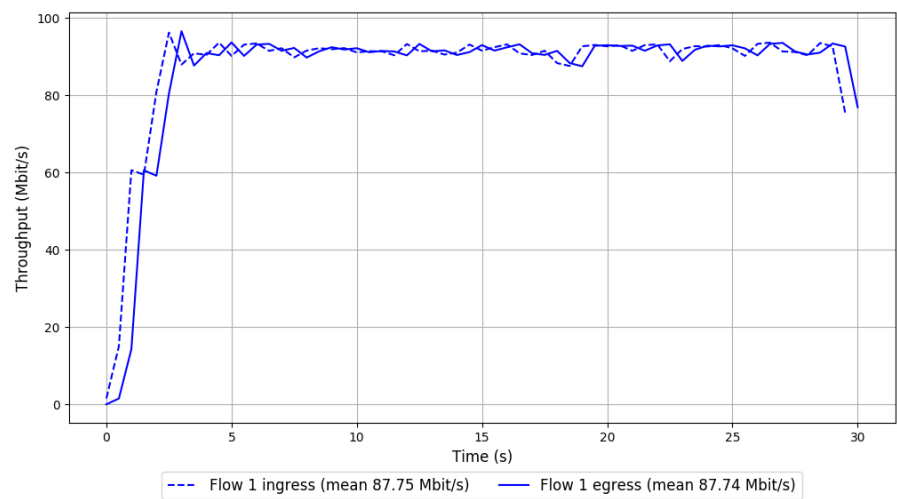
-- Flow 1:

Average throughput: 87.74 Mbit/s

95th percentile per-packet one-way delay: 8.028 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

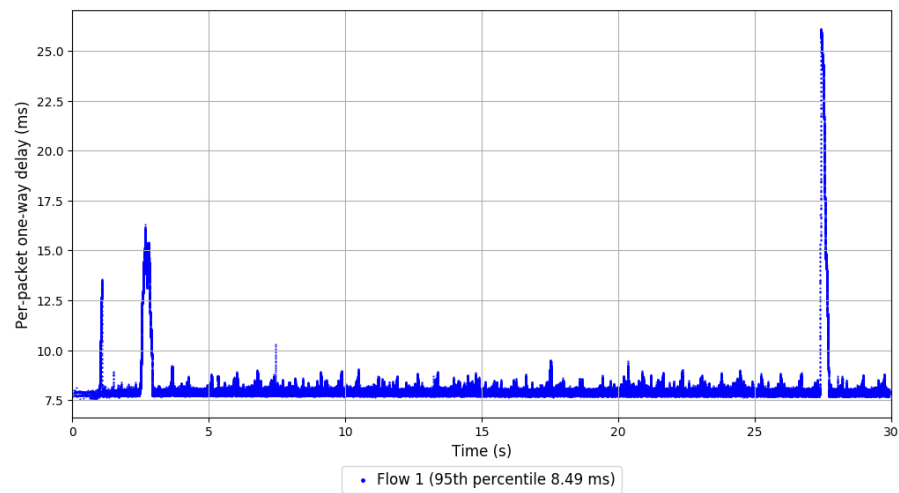
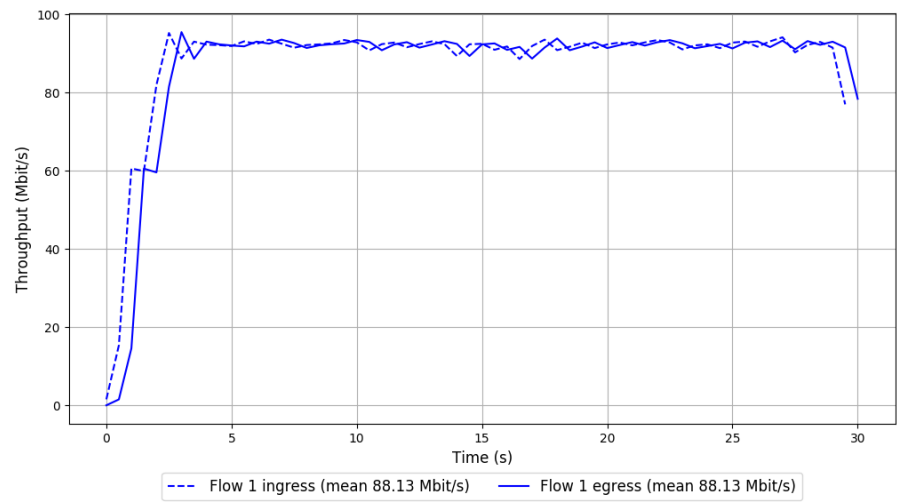


Run 5: Statistics of PCC-Vivace

Start at: 2019-03-26 21:48:52  
End at: 2019-03-26 21:49:22  
Local clock offset: -0.667 ms  
Remote clock offset: -1.158 ms

# Below is generated by plot.py at 2019-03-26 22:17:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 88.13 Mbit/s  
95th percentile per-packet one-way delay: 8.493 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 88.13 Mbit/s  
95th percentile per-packet one-way delay: 8.493 ms  
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

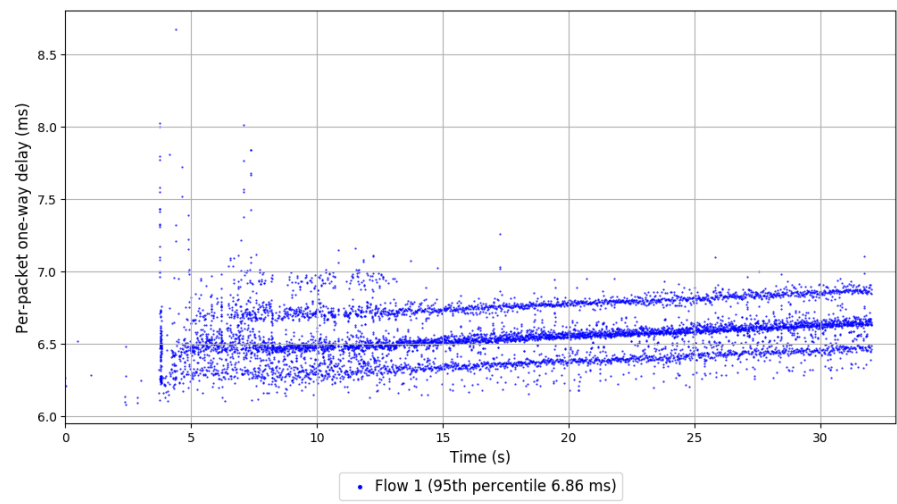
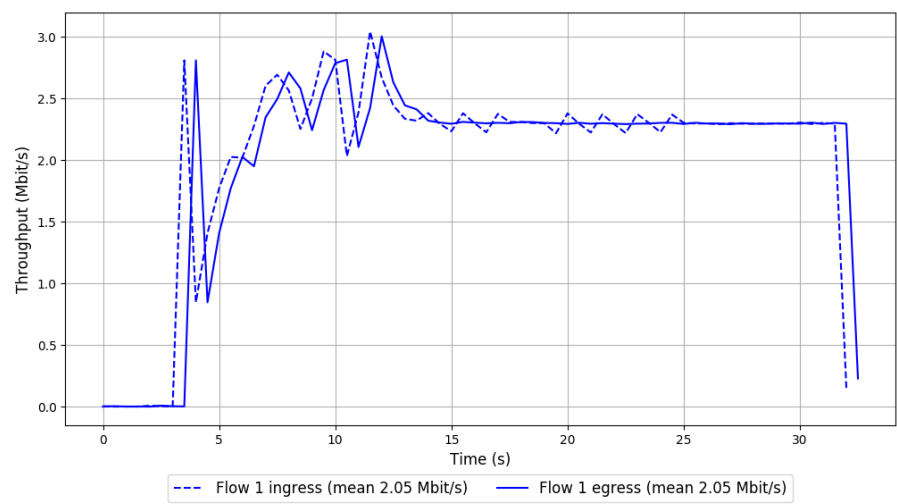


Run 1: Statistics of WebRTC media

Start at: 2019-03-26 20:20:11  
End at: 2019-03-26 20:20:41  
Local clock offset: -7.593 ms  
Remote clock offset: -5.076 ms

# Below is generated by plot.py at 2019-03-26 22:17:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.05 Mbit/s  
95th percentile per-packet one-way delay: 6.859 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.05 Mbit/s  
95th percentile per-packet one-way delay: 6.859 ms  
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2019-03-26 20:44:03

End at: 2019-03-26 20:44:33

Local clock offset: -4.014 ms

Remote clock offset: -1.27 ms

# Below is generated by plot.py at 2019-03-26 22:17:13

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 7.731 ms

Loss rate: 0.00%

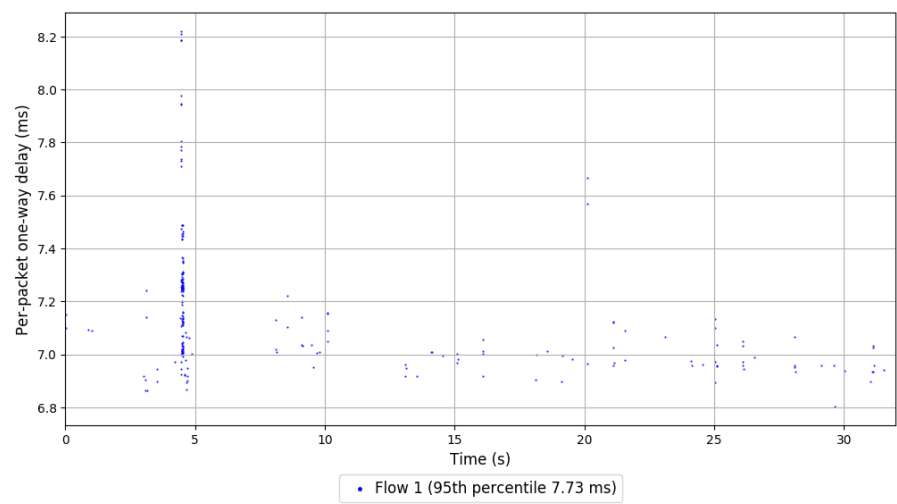
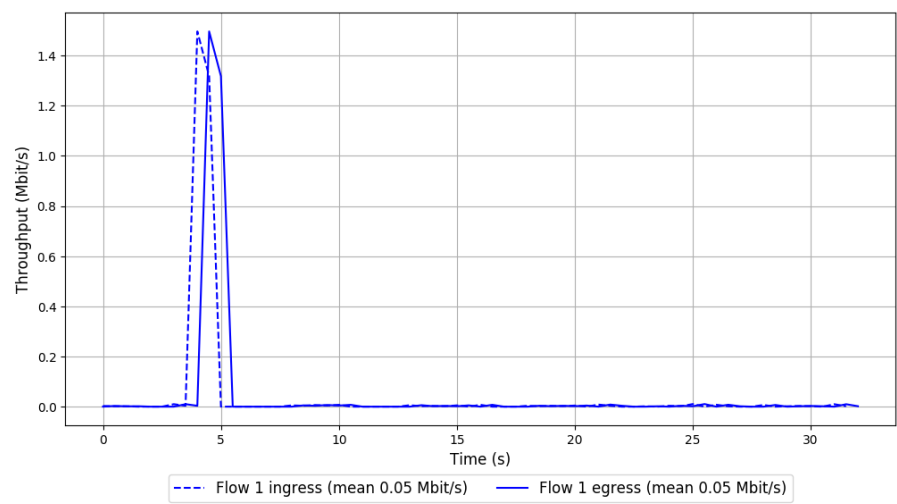
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 7.731 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

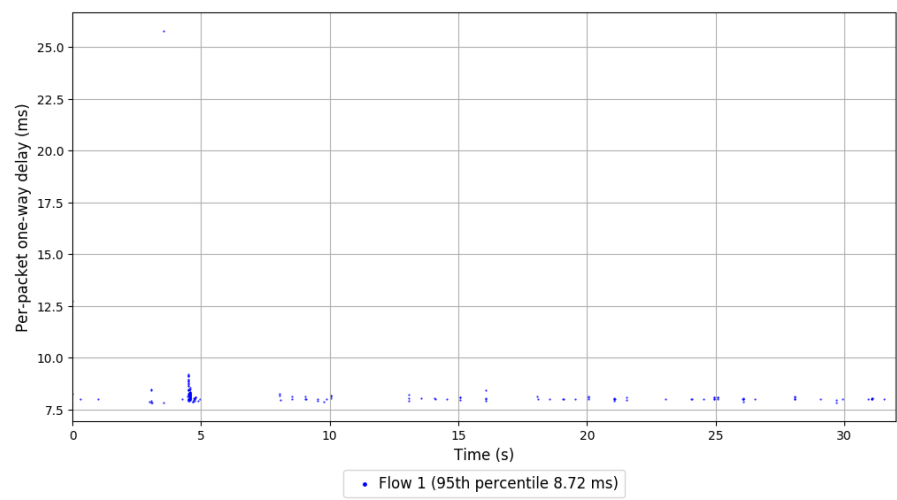
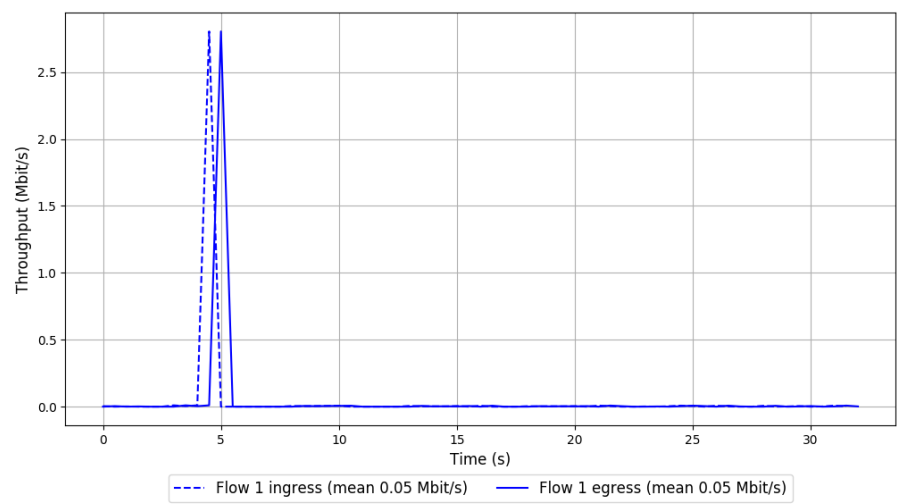


Run 3: Statistics of WebRTC media

Start at: 2019-03-26 21:07:58  
End at: 2019-03-26 21:08:28  
Local clock offset: -2.084 ms  
Remote clock offset: -2.491 ms

# Below is generated by plot.py at 2019-03-26 22:17:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 8.719 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 8.719 ms  
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

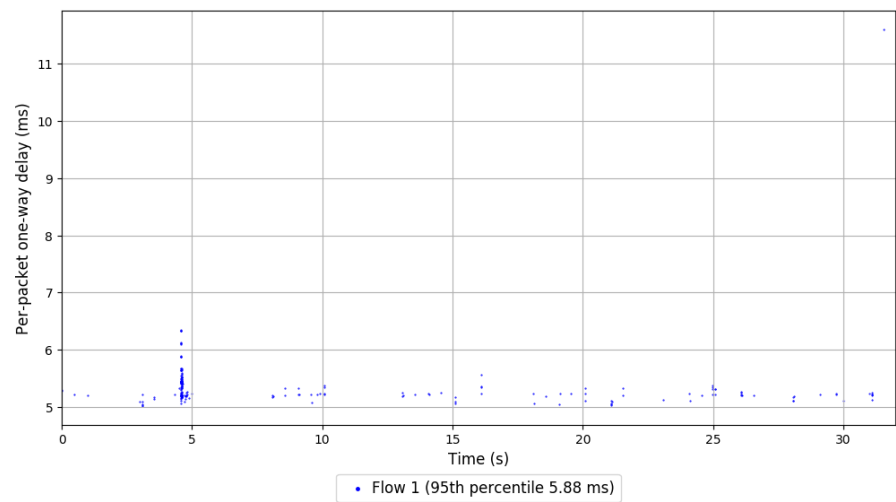
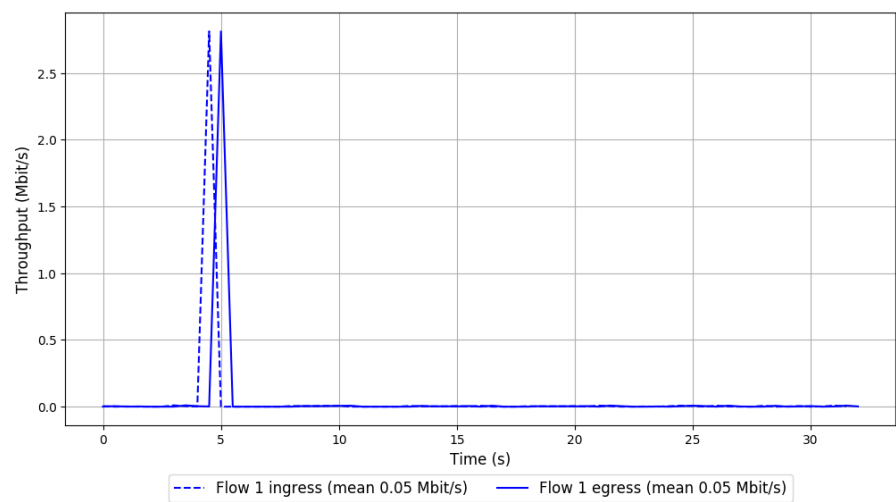


Run 4: Statistics of WebRTC media

Start at: 2019-03-26 21:31:49  
End at: 2019-03-26 21:32:19  
Local clock offset: 0.354 ms  
Remote clock offset: -2.778 ms

# Below is generated by plot.py at 2019-03-26 22:17:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 5.876 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 5.876 ms  
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-03-26 21:55:38  
End at: 2019-03-26 21:56:08  
Local clock offset: -1.163 ms  
Remote clock offset: -0.892 ms

# Below is generated by plot.py at 2019-03-26 22:17:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 8.684 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 8.684 ms  
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

