

## Pantheon Report

Generated at 2019-01-18 22:16:59 (UTC).

Data path: AWS Korea on `ens5` (*local*) → China on `eno1` (*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 `ntp.nict.jp` and have been applied to correct the timestamps in logs.

### System info:

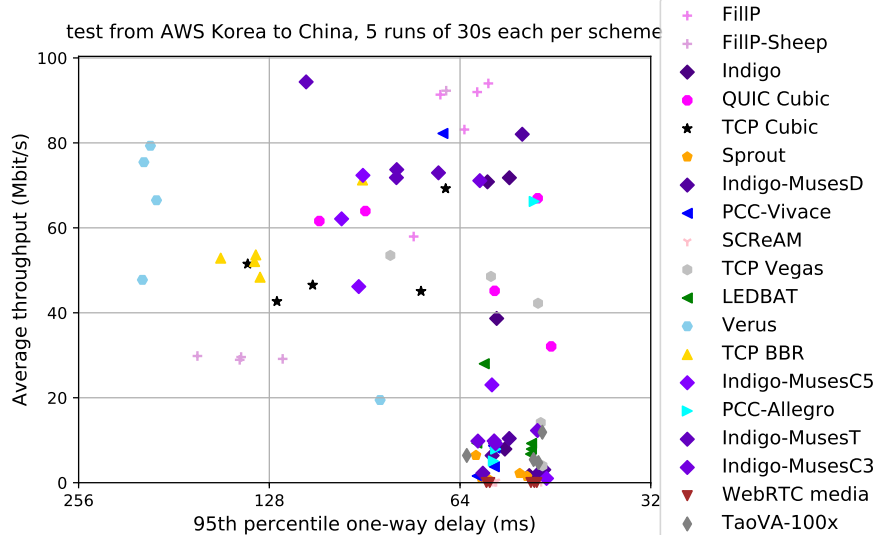
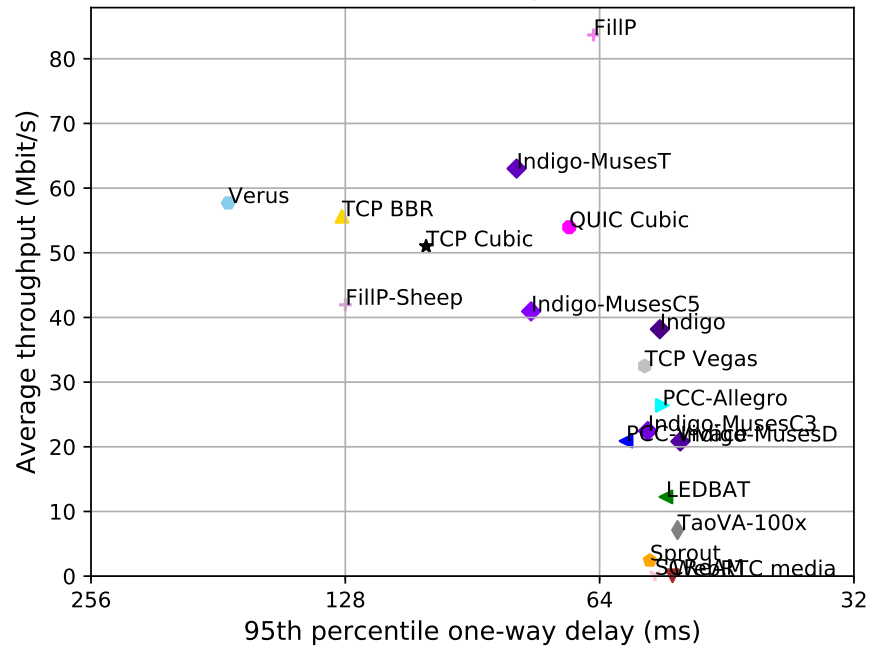
```
Linux 4.15.0-1031-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

### Git summary:

```
branch: muses @ c80a283586bf7b0cc1fe08c69c8f60d56498f81c
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ c3eee875824760ec5b2fd207fefe166e1afe2170
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 Korea to China, 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	55.65	129.17	14.17
Copa	0	N/A	N/A	N/A
TCP Cubic	5	51.00	102.70	1.50
FillP	5	83.68	65.07	1.26
FillP-Sheep	5	41.96	127.96	3.84
Indigo	5	38.18	54.32	2.32
Indigo-MusesC3	5	22.45	56.13	0.03
Indigo-MusesC5	5	40.94	77.15	8.07
Indigo-MusesD	5	20.82	51.37	0.00
Indigo-MusesT	5	63.02	80.26	0.10
LEDBAT	5	12.25	53.42	0.00
PCC-Allegro	3	26.40	53.93	0.65
PCC-Expr	0	N/A	N/A	N/A
QUIC Cubic	5	53.96	69.53	0.01
SCReAM	5	0.22	55.04	0.00
Sprout	5	2.42	55.80	0.00
TaoVA-100x	4	7.12	51.76	3.08
TCP Vegas	5	32.49	56.60	0.47
Verus	5	57.70	176.11	33.70
PCC-Vivace	5	20.89	59.56	0.03
WebRTC media	5	0.05	52.46	0.00



Run 1: Statistics of TCP BBR

Start at: 2019-01-18 19:56:52

End at: 2019-01-18 19:57:22

Local clock offset: 6.886 ms

Remote clock offset: 11.995 ms

# Below is generated by plot.py at 2019-01-18 22:12:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 52.07 Mbit/s

95th percentile per-packet one-way delay: 135.055 ms

Loss rate: 21.36%

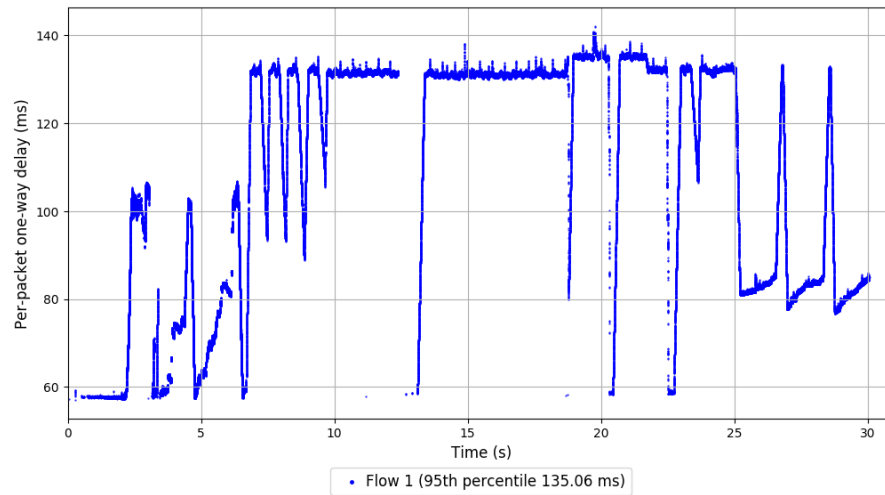
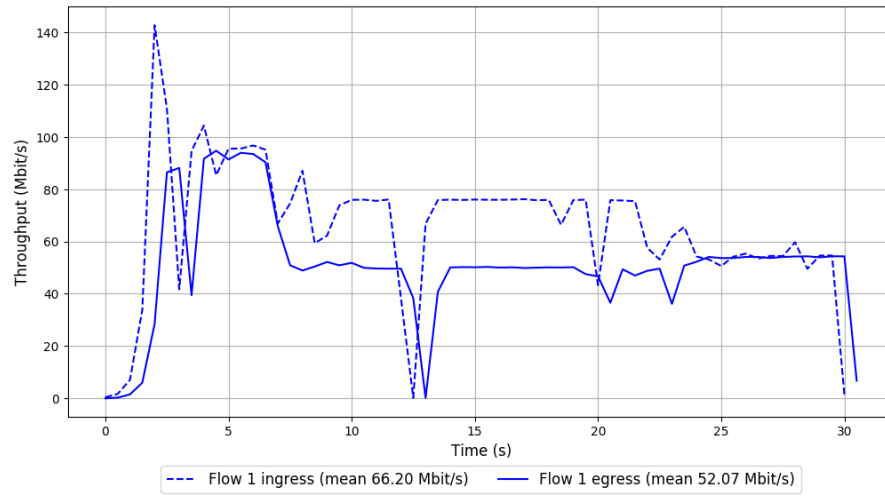
-- Flow 1:

Average throughput: 52.07 Mbit/s

95th percentile per-packet one-way delay: 135.055 ms

Loss rate: 21.36%

# Run 1: Report of TCP BBR — Data Link

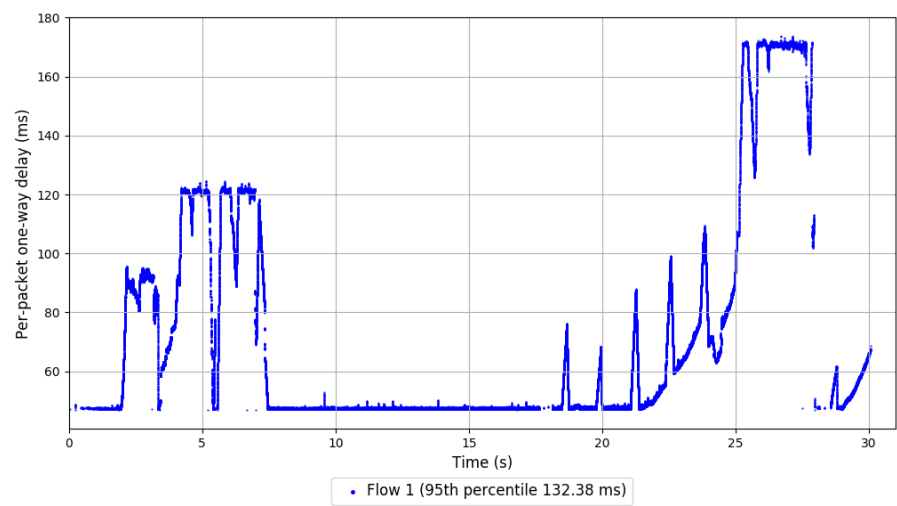
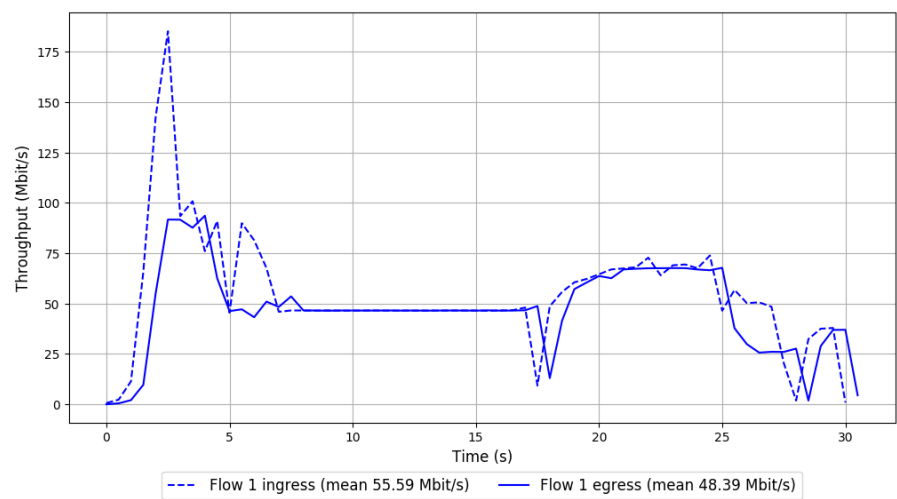


Run 2: Statistics of TCP BBR

Start at: 2019-01-18 20:47:24  
End at: 2019-01-18 20:47:54  
Local clock offset: -0.283 ms  
Remote clock offset: -11.377 ms

# Below is generated by plot.py at 2019-01-18 22:12:14  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 48.39 Mbit/s  
95th percentile per-packet one-way delay: 132.375 ms  
Loss rate: 12.96%  
-- Flow 1:  
Average throughput: 48.39 Mbit/s  
95th percentile per-packet one-way delay: 132.375 ms  
Loss rate: 12.96%

Run 2: Report of TCP BBR — Data Link

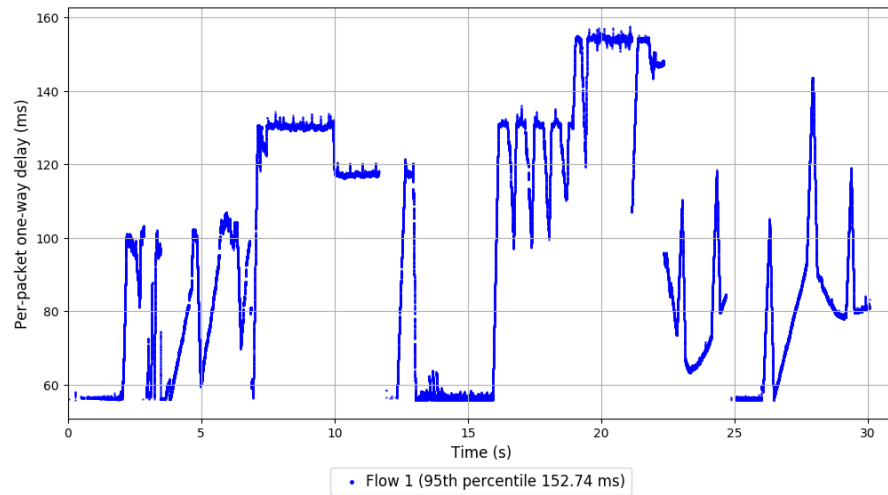
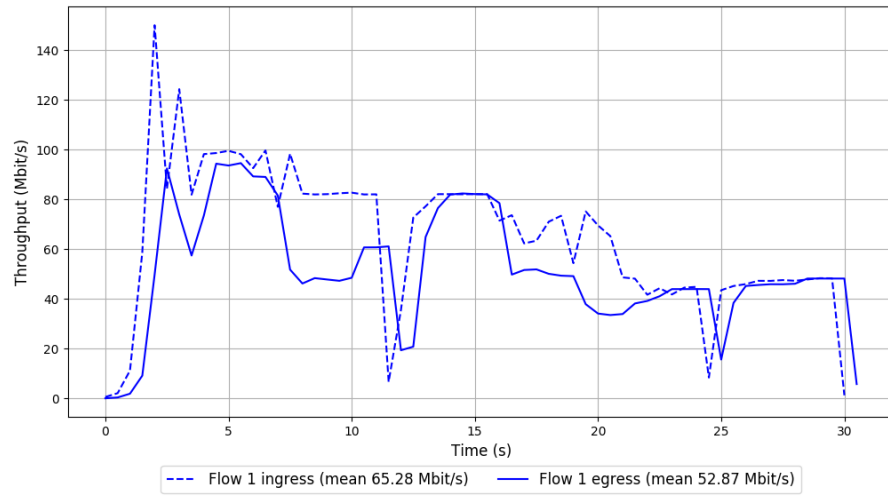


Run 3: Statistics of TCP BBR

Start at: 2019-01-18 21:15:18  
End at: 2019-01-18 21:15:48  
Local clock offset: 0.264 ms  
Remote clock offset: 11.407 ms

# Below is generated by plot.py at 2019-01-18 22:12:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 52.87 Mbit/s  
95th percentile per-packet one-way delay: 152.740 ms  
Loss rate: 19.04%  
-- Flow 1:  
Average throughput: 52.87 Mbit/s  
95th percentile per-packet one-way delay: 152.740 ms  
Loss rate: 19.04%

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



Run 4: Statistics of TCP BBR

Start at: 2019-01-18 21:41:24

End at: 2019-01-18 21:41:54

Local clock offset: 3.672 ms

Remote clock offset: 5.94 ms

# Below is generated by plot.py at 2019-01-18 22:12:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 53.64 Mbit/s

95th percentile per-packet one-way delay: 134.451 ms

Loss rate: 8.22%

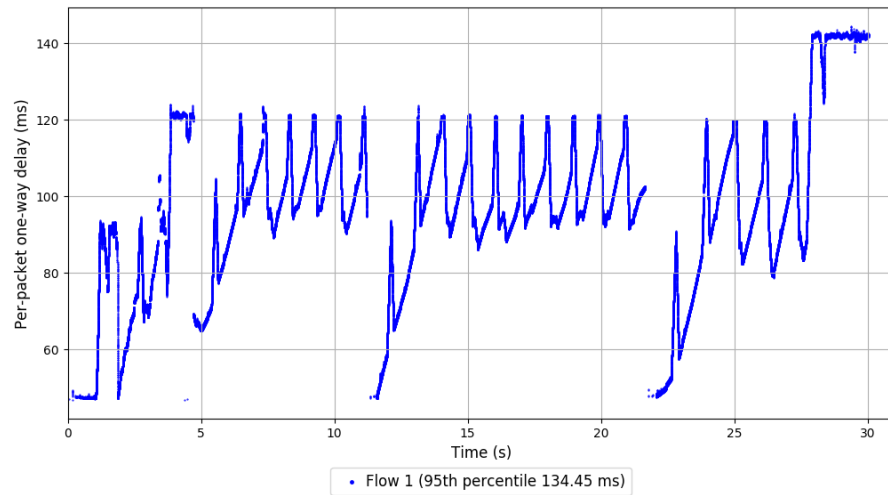
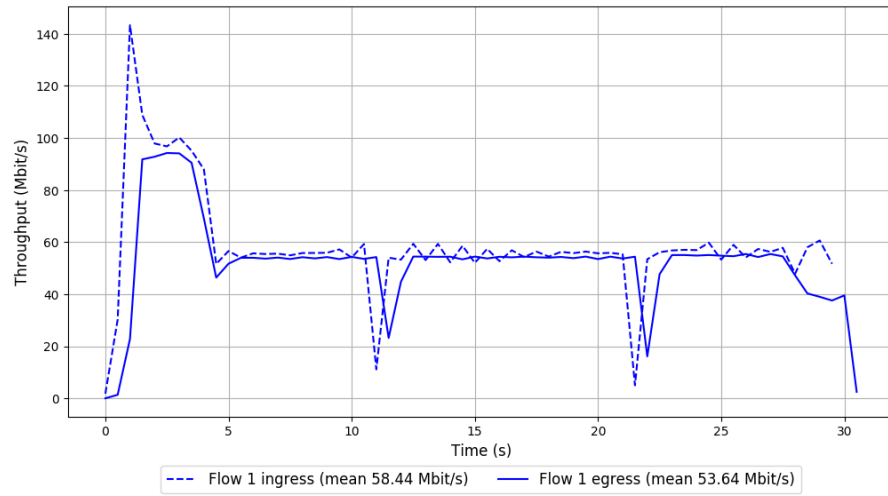
-- Flow 1:

Average throughput: 53.64 Mbit/s

95th percentile per-packet one-way delay: 134.451 ms

Loss rate: 8.22%

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





Run 5: Statistics of TCP BBR

Start at: 2019-01-18 22:07:43

End at: 2019-01-18 22:08:13

Local clock offset: -0.159 ms

Remote clock offset: 2.421 ms

# Below is generated by plot.py at 2019-01-18 22:12:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 71.27 Mbit/s

95th percentile per-packet one-way delay: 91.229 ms

Loss rate: 9.29%

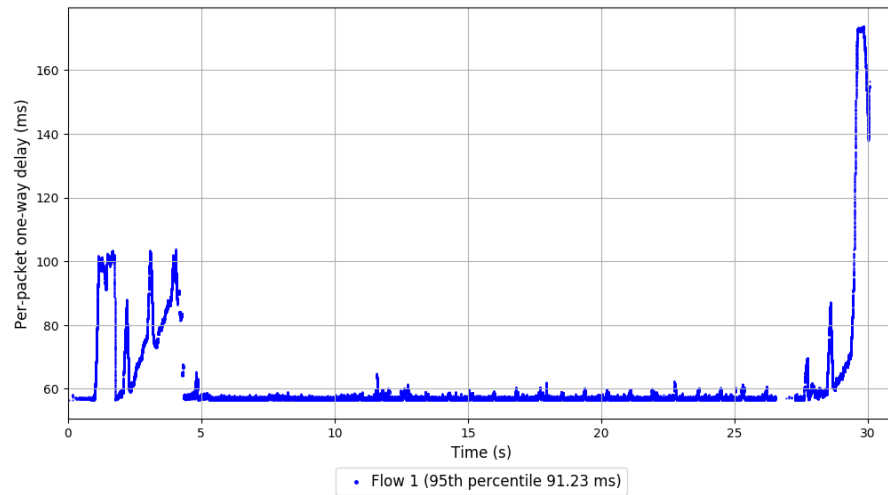
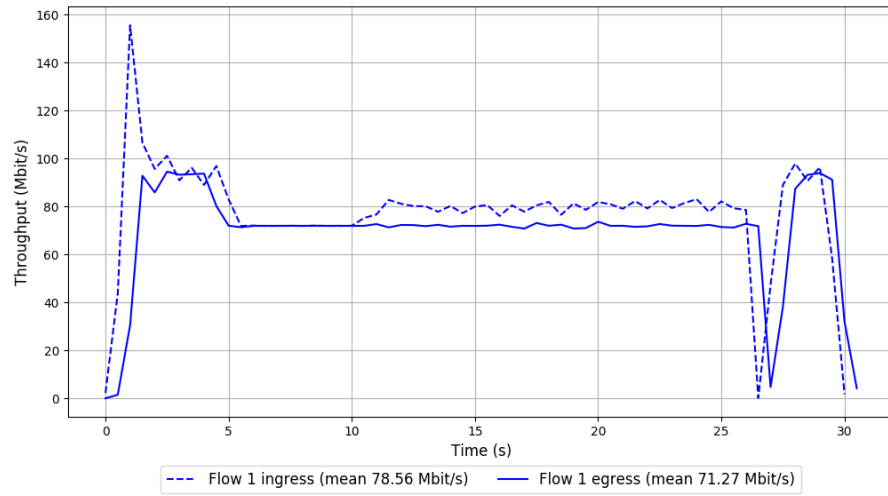
-- Flow 1:

Average throughput: 71.27 Mbit/s

95th percentile per-packet one-way delay: 91.229 ms

Loss rate: 9.29%

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



Run 1: Statistics of Copa

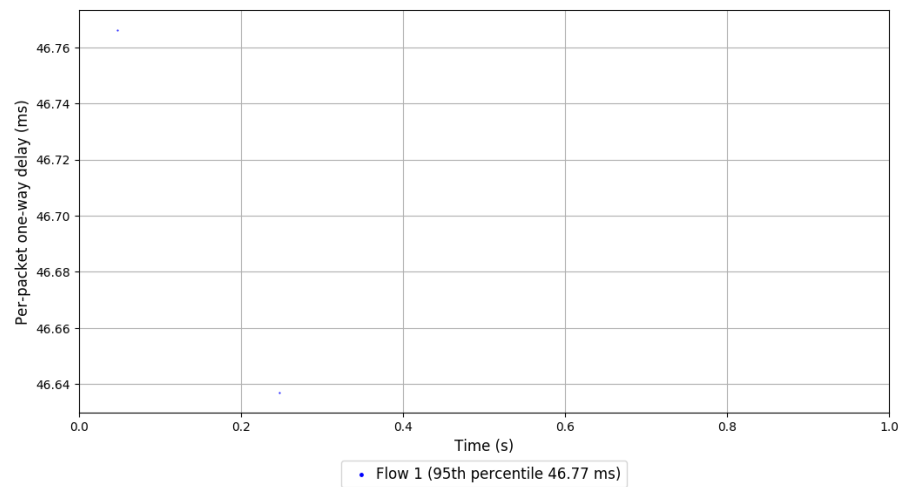
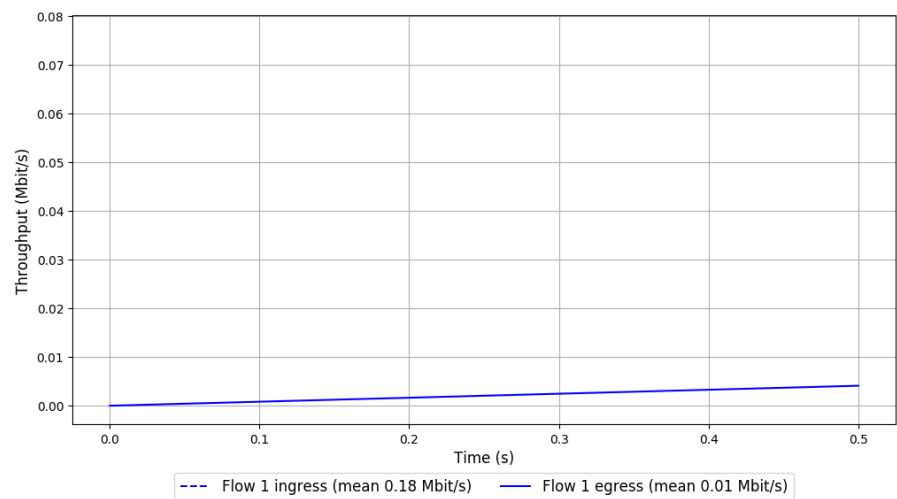
Start at: 2019-01-18 19:18:38

End at: 2019-01-18 19:19:08

Local clock offset: 4.385 ms

Remote clock offset: 62.983 ms

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

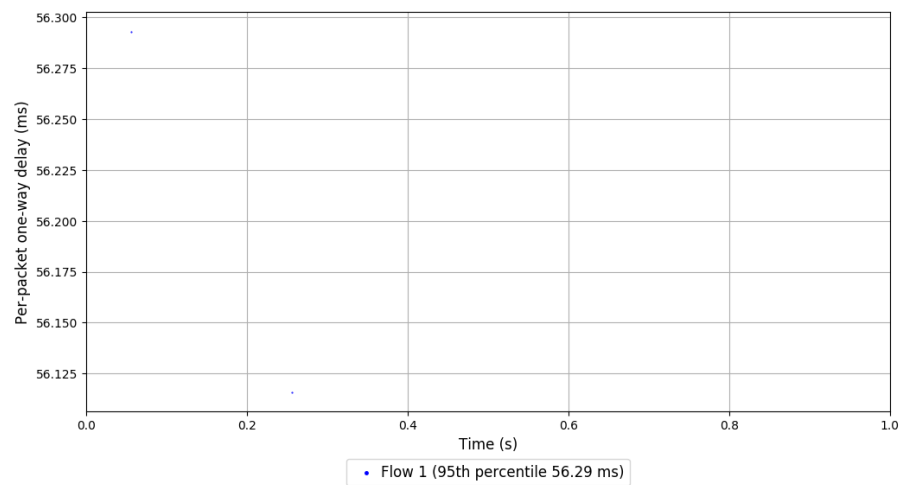
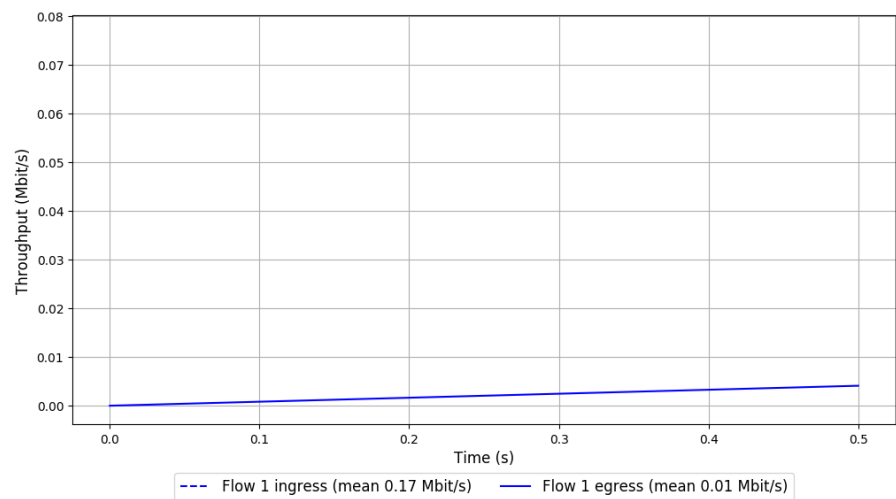
Start at: 2019-01-18 20:28:18

End at: 2019-01-18 20:28:48

Local clock offset: 2.276 ms

Remote clock offset: -11.221 ms

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

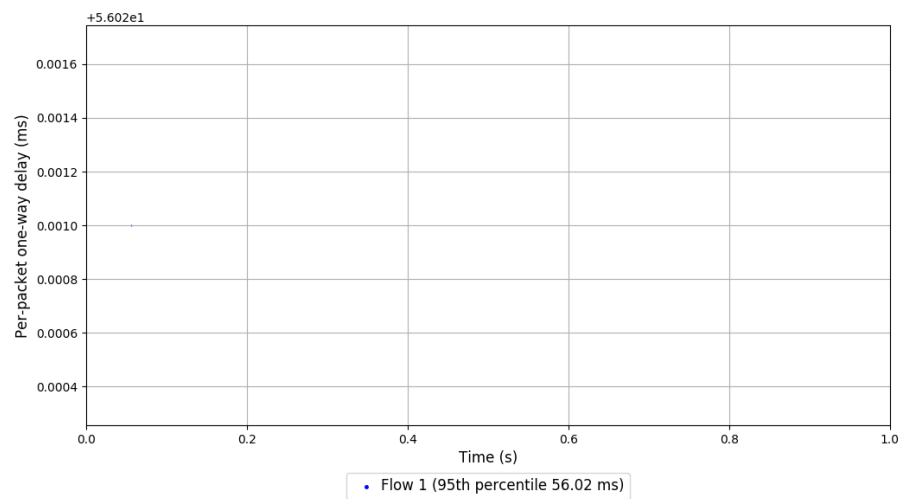
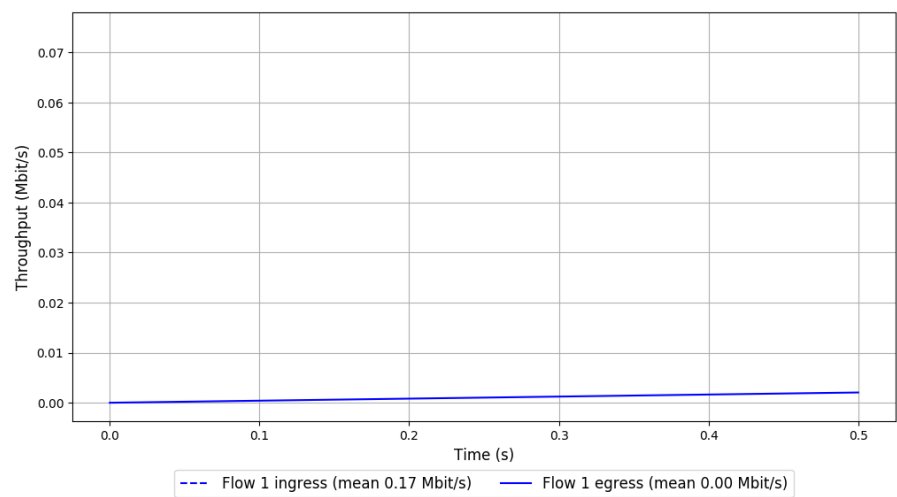
Start at: 2019-01-18 21:03:03

End at: 2019-01-18 21:03:33

Local clock offset: 0.527 ms

Remote clock offset: 4.636 ms

Run 3: Report of Copa — Data Link





Run 4: Statistics of Copa

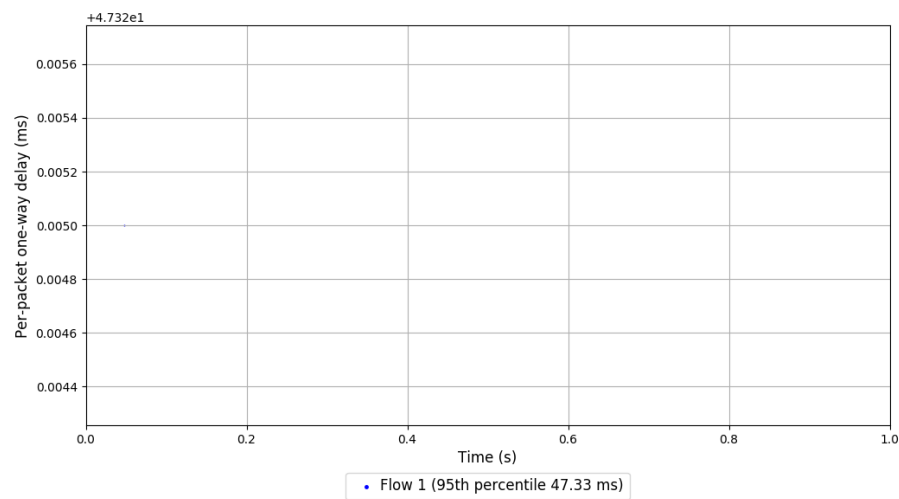
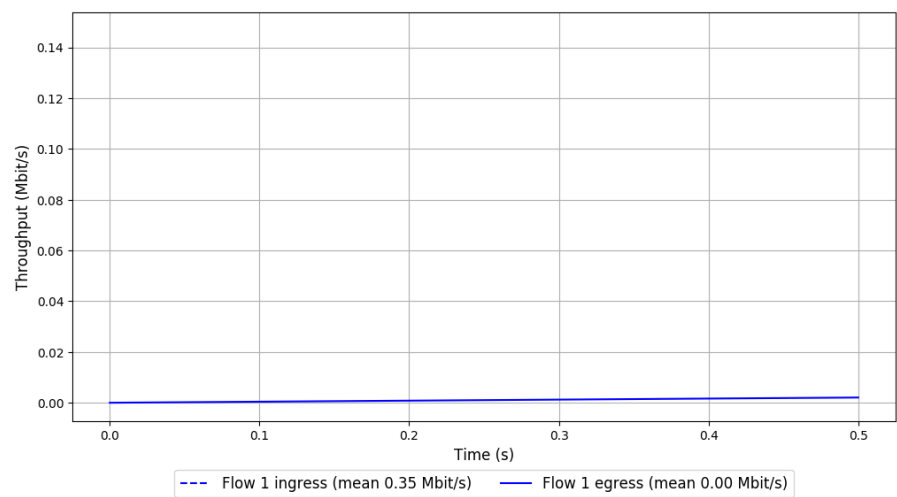
Start at: 2019-01-18 21:28:34

End at: 2019-01-18 21:29:04

Local clock offset: 2.748 ms

Remote clock offset: 12.246 ms

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

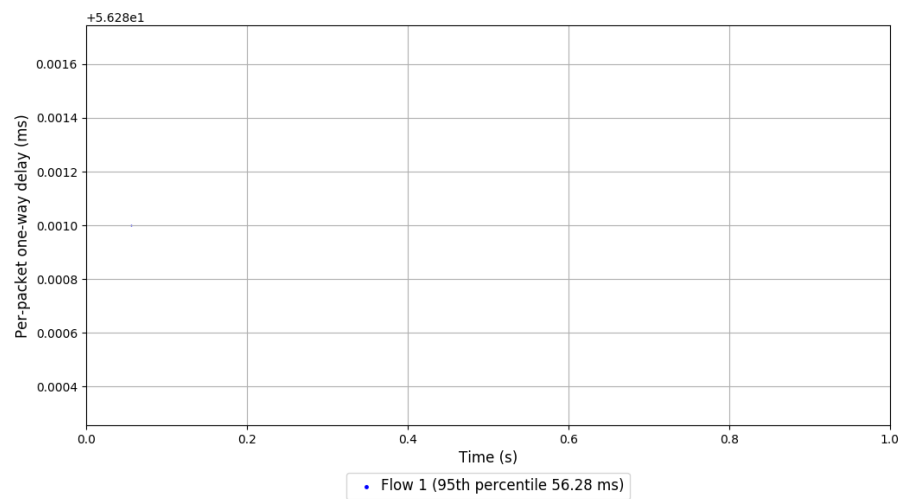
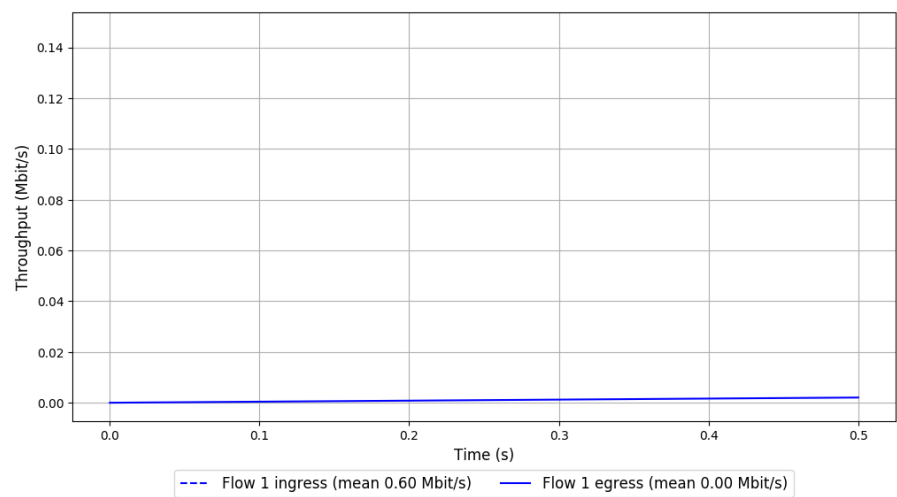
Start at: 2019-01-18 21:55:06

End at: 2019-01-18 21:55:36

Local clock offset: 1.565 ms

Remote clock offset: 3.482 ms

Run 5: Report of Copa — Data Link

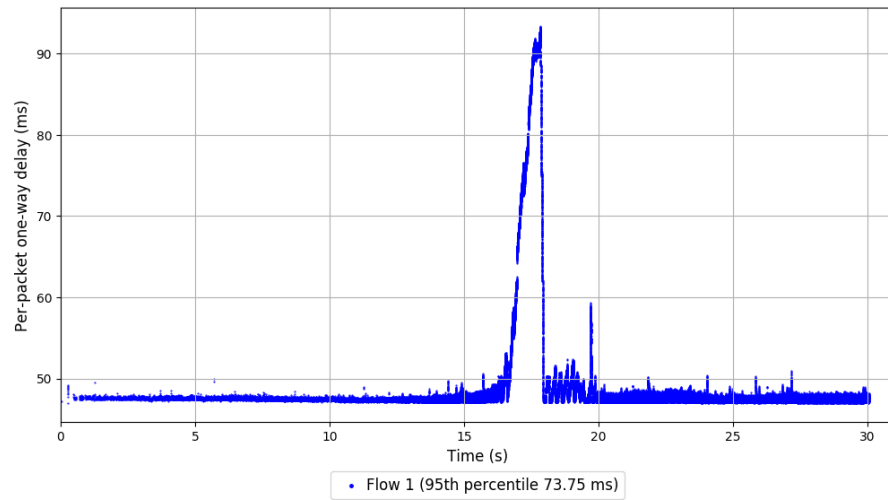
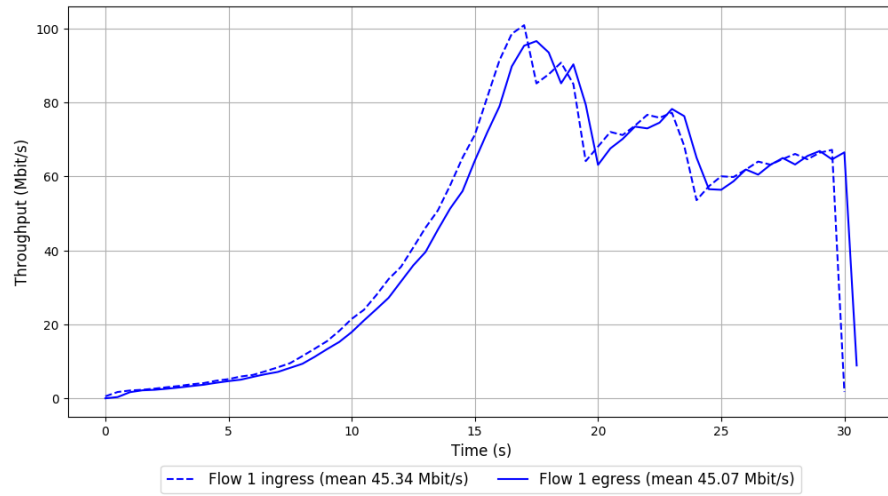


Run 1: Statistics of TCP Cubic

Start at: 2019-01-18 19:09:31  
End at: 2019-01-18 19:10:01  
Local clock offset: 3.464 ms  
Remote clock offset: 52.819 ms

# Below is generated by plot.py at 2019-01-18 22:12:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 45.07 Mbit/s  
95th percentile per-packet one-way delay: 73.747 ms  
Loss rate: 0.60%  
-- Flow 1:  
Average throughput: 45.07 Mbit/s  
95th percentile per-packet one-way delay: 73.747 ms  
Loss rate: 0.60%

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

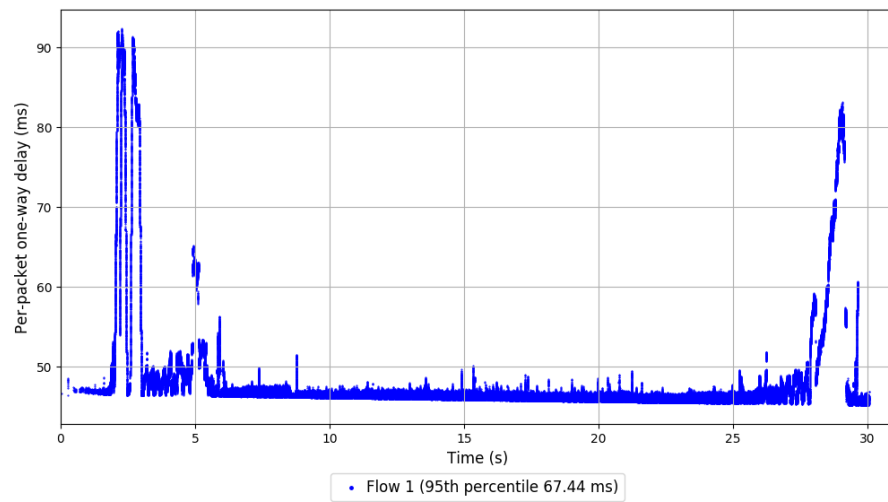
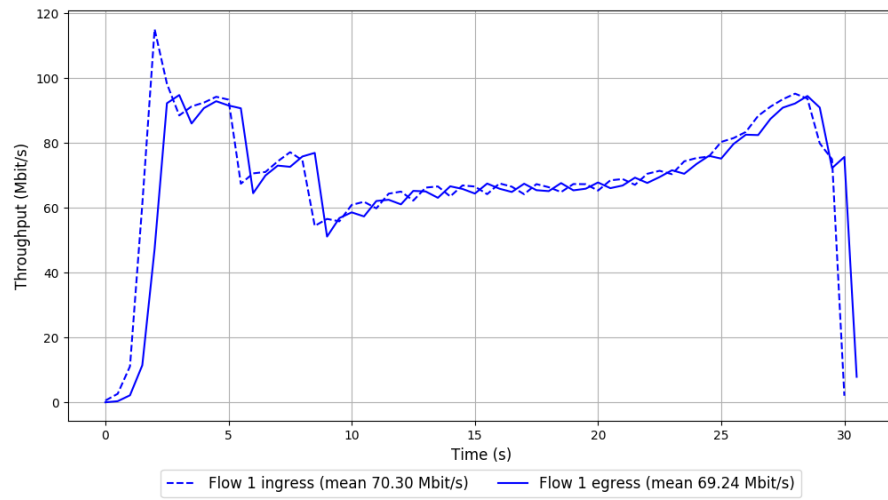


Run 2: Statistics of TCP Cubic

Start at: 2019-01-18 20:22:10  
End at: 2019-01-18 20:22:40  
Local clock offset: 4.624 ms  
Remote clock offset: -20.976 ms

# Below is generated by plot.py at 2019-01-18 22:12:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 69.24 Mbit/s  
95th percentile per-packet one-way delay: 67.435 ms  
Loss rate: 1.50%  
-- Flow 1:  
Average throughput: 69.24 Mbit/s  
95th percentile per-packet one-way delay: 67.435 ms  
Loss rate: 1.50%

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





Run 3: Statistics of TCP Cubic

Start at: 2019-01-18 21:00:17

End at: 2019-01-18 21:00:47

Local clock offset: 0.27 ms

Remote clock offset: 1.832 ms

# Below is generated by plot.py at 2019-01-18 22:12:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 46.53 Mbit/s

95th percentile per-packet one-way delay: 109.344 ms

Loss rate: 1.02%

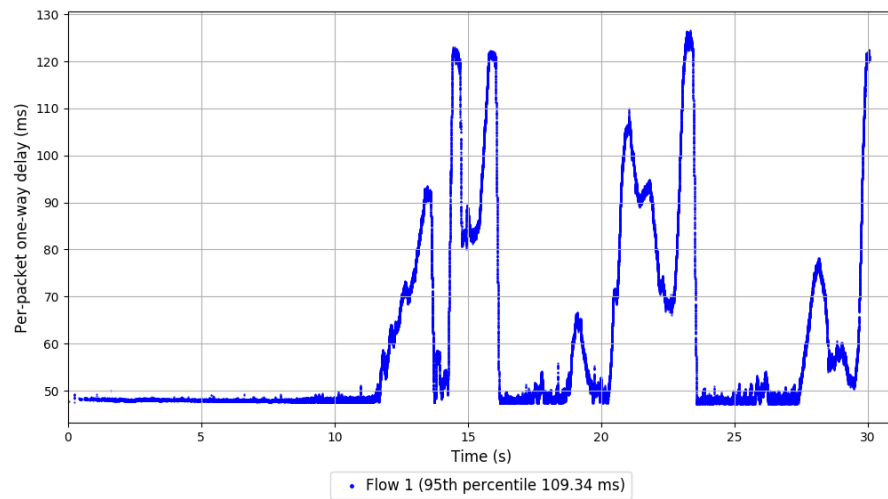
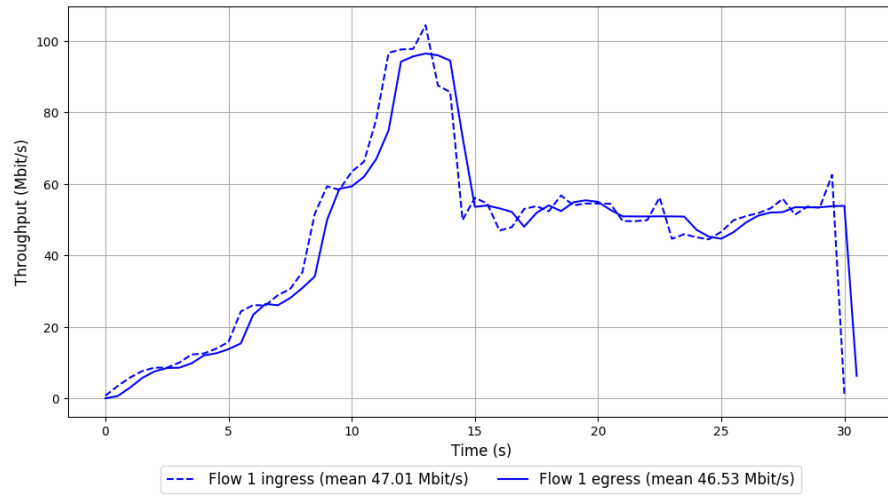
-- Flow 1:

Average throughput: 46.53 Mbit/s

95th percentile per-packet one-way delay: 109.344 ms

Loss rate: 1.02%

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

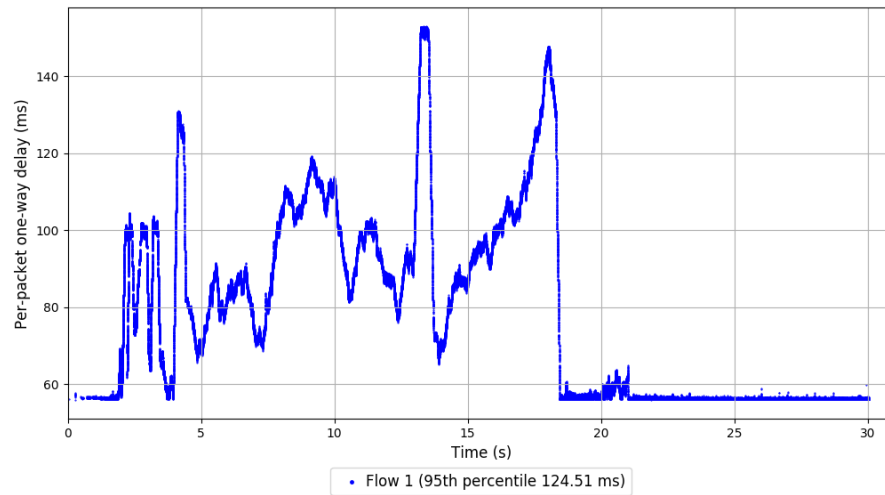
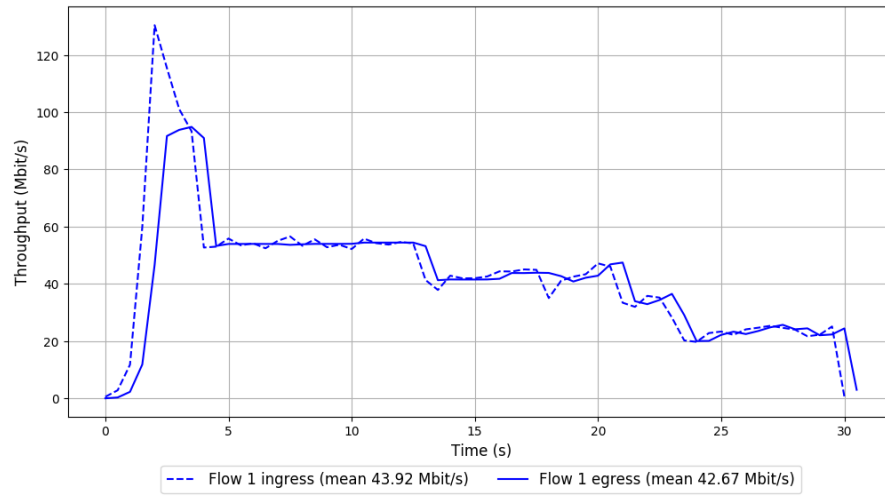


Run 4: Statistics of TCP Cubic

Start at: 2019-01-18 21:26:09  
End at: 2019-01-18 21:26:39  
Local clock offset: 2.498 ms  
Remote clock offset: 13.022 ms

# Below is generated by plot.py at 2019-01-18 22:12:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 42.67 Mbit/s  
95th percentile per-packet one-way delay: 124.509 ms  
Loss rate: 2.87%  
-- Flow 1:  
Average throughput: 42.67 Mbit/s  
95th percentile per-packet one-way delay: 124.509 ms  
Loss rate: 2.87%

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



Run 5: Statistics of TCP Cubic

Start at: 2019-01-18 21:52:25

End at: 2019-01-18 21:52:55

Local clock offset: 2.107 ms

Remote clock offset: 4.061 ms

# Below is generated by plot.py at 2019-01-18 22:12:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 51.50 Mbit/s

95th percentile per-packet one-way delay: 138.468 ms

Loss rate: 1.52%

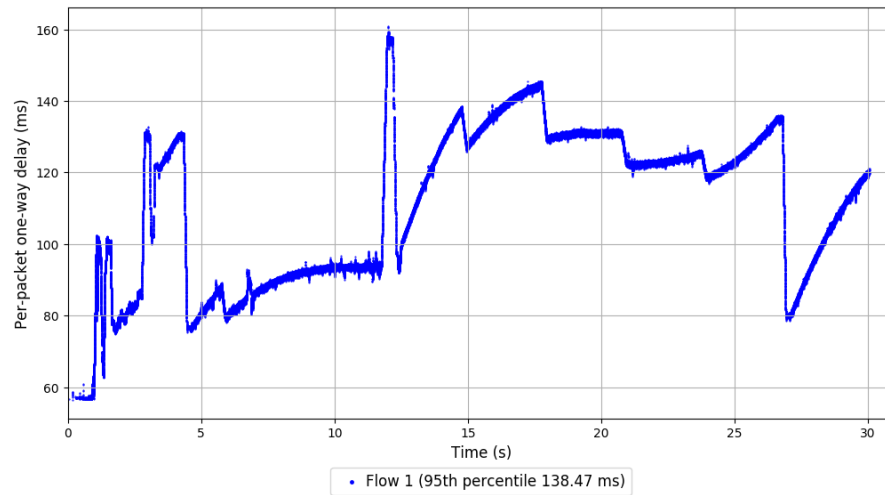
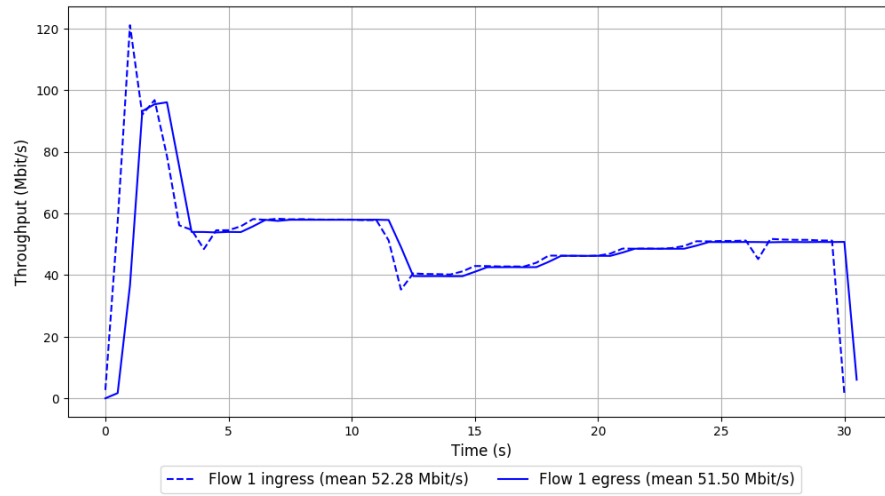
-- Flow 1:

Average throughput: 51.50 Mbit/s

95th percentile per-packet one-way delay: 138.468 ms

Loss rate: 1.52%

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

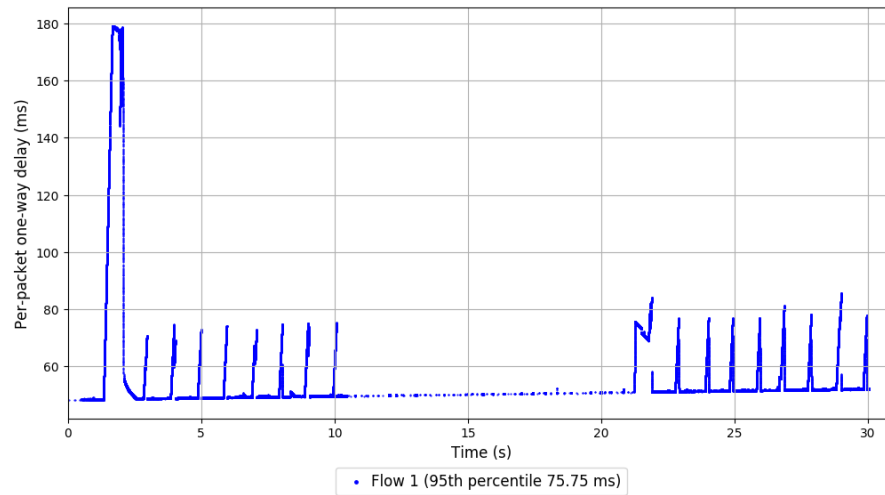
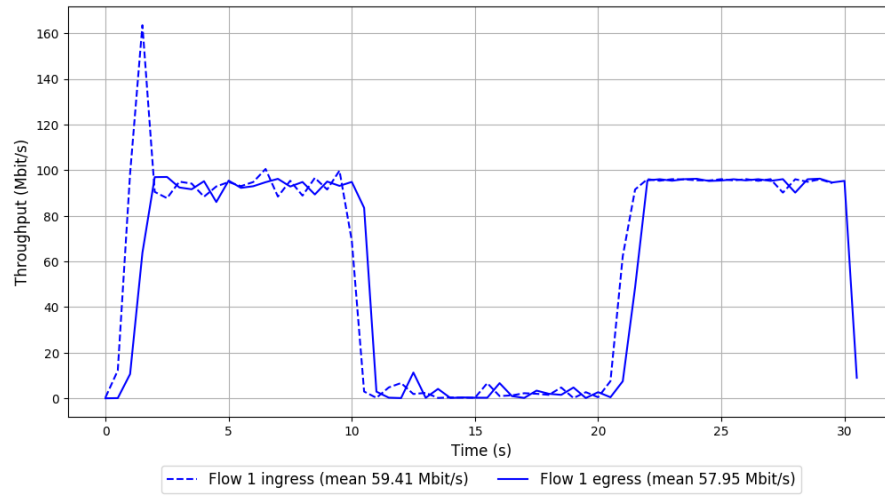


Run 1: Statistics of FillP

Start at: 2019-01-18 19:47:13  
End at: 2019-01-18 19:47:43  
Local clock offset: 6.434 ms  
Remote clock offset: 60.695 ms

# Below is generated by plot.py at 2019-01-18 22:12:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 57.95 Mbit/s  
95th percentile per-packet one-way delay: 75.746 ms  
Loss rate: 2.45%  
-- Flow 1:  
Average throughput: 57.95 Mbit/s  
95th percentile per-packet one-way delay: 75.746 ms  
Loss rate: 2.45%

## Run 1: Report of FillP — Data Link



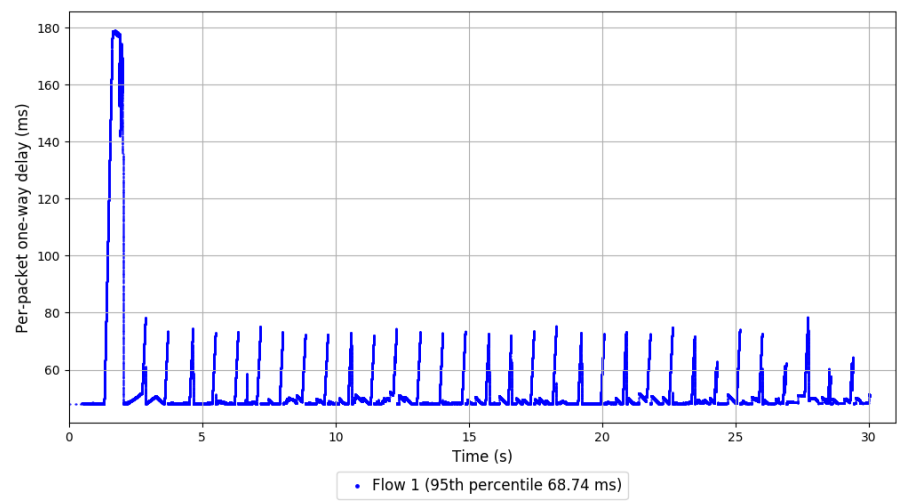
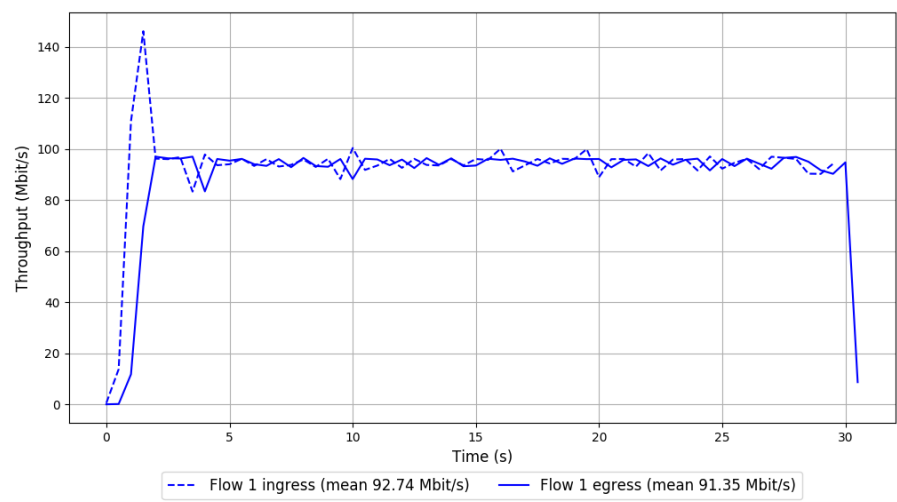


Run 2: Statistics of FillP

Start at: 2019-01-18 20:42:37  
End at: 2019-01-18 20:43:07  
Local clock offset: -0.113 ms  
Remote clock offset: -8.427 ms

# Below is generated by plot.py at 2019-01-18 22:13:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 91.35 Mbit/s  
95th percentile per-packet one-way delay: 68.744 ms  
Loss rate: 1.49%  
-- Flow 1:  
Average throughput: 91.35 Mbit/s  
95th percentile per-packet one-way delay: 68.744 ms  
Loss rate: 1.49%

Run 2: Report of FillP — Data Link

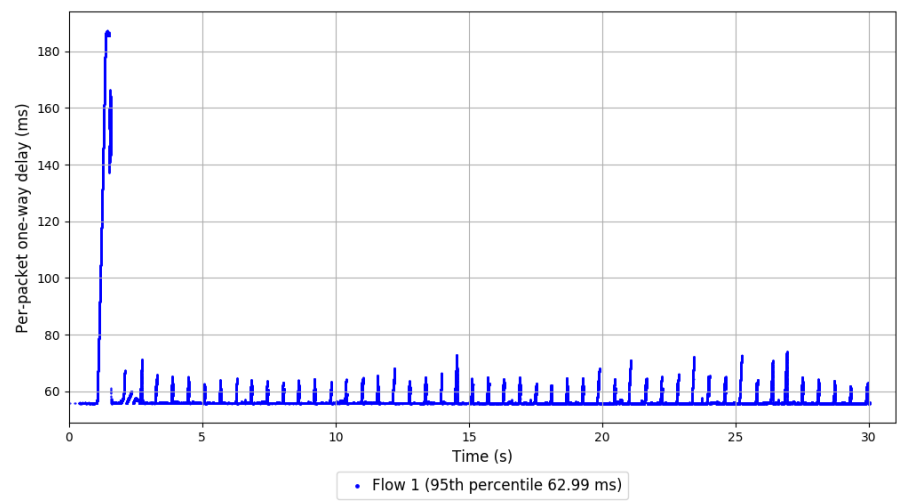
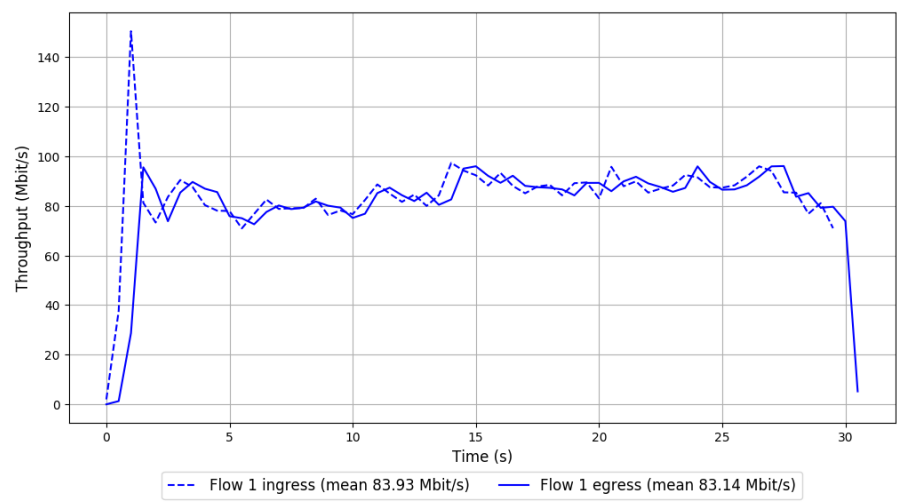


Run 3: Statistics of FillP

Start at: 2019-01-18 21:11:42  
End at: 2019-01-18 21:12:12  
Local clock offset: 0.328 ms  
Remote clock offset: 10.231 ms

# Below is generated by plot.py at 2019-01-18 22:13:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 83.14 Mbit/s  
95th percentile per-packet one-way delay: 62.992 ms  
Loss rate: 0.97%  
-- Flow 1:  
Average throughput: 83.14 Mbit/s  
95th percentile per-packet one-way delay: 62.992 ms  
Loss rate: 0.97%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2019-01-18 21:37:53

End at: 2019-01-18 21:38:23

Local clock offset: 3.384 ms

Remote clock offset: 6.992 ms

# Below is generated by plot.py at 2019-01-18 22:13:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 91.97 Mbit/s

95th percentile per-packet one-way delay: 60.127 ms

Loss rate: 0.87%

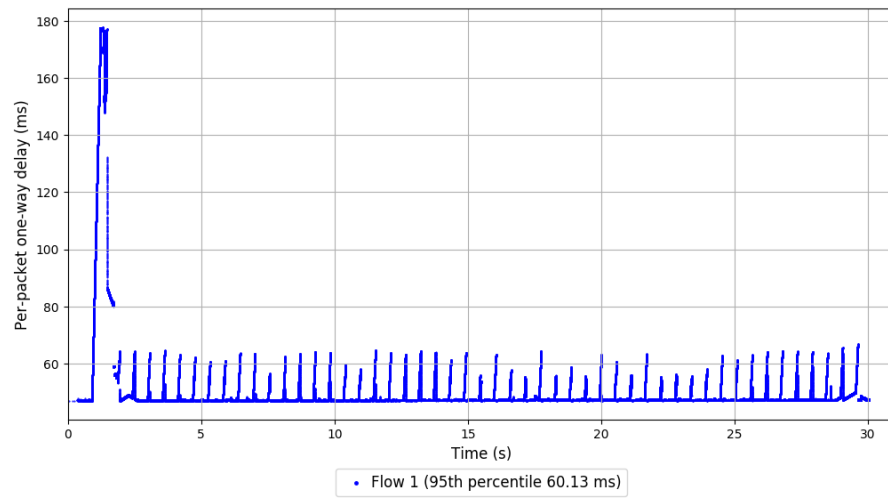
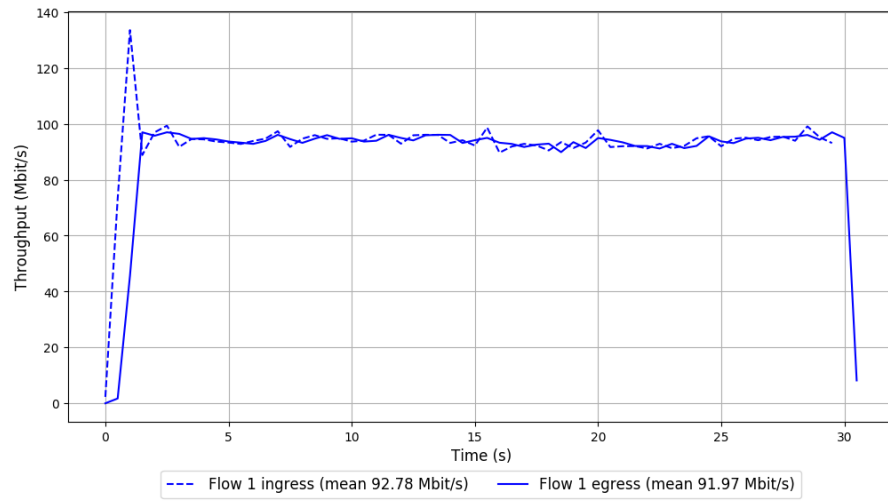
-- Flow 1:

Average throughput: 91.97 Mbit/s

95th percentile per-packet one-way delay: 60.127 ms

Loss rate: 0.87%

#### Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2019-01-18 22:03:27

End at: 2019-01-18 22:03:57

Local clock offset: 0.063 ms

Remote clock offset: 2.787 ms

# Below is generated by plot.py at 2019-01-18 22:13:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.99 Mbit/s

95th percentile per-packet one-way delay: 57.740 ms

Loss rate: 0.52%

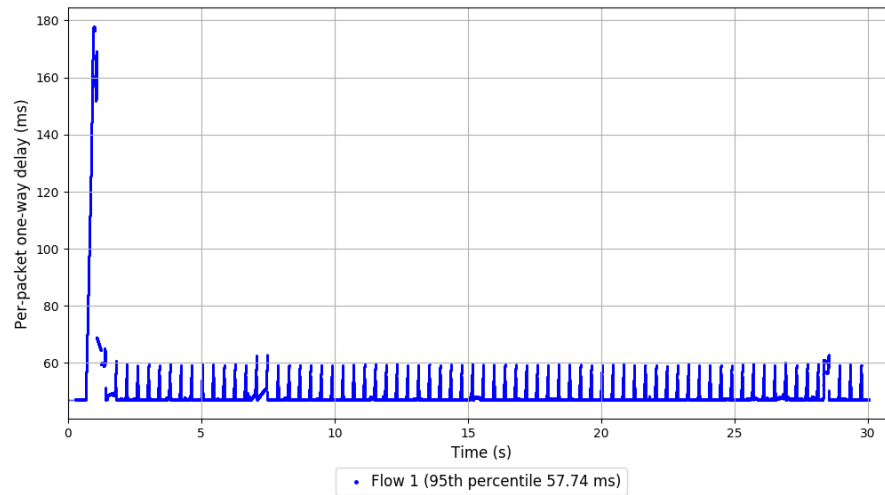
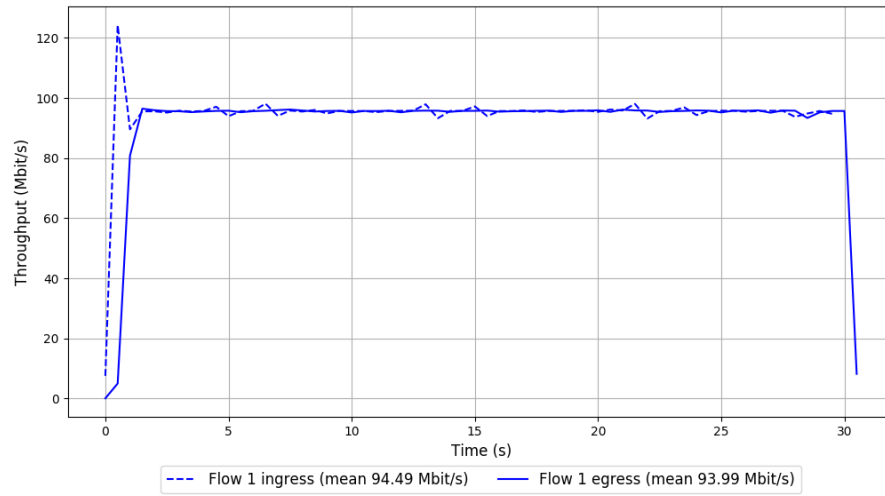
-- Flow 1:

Average throughput: 93.99 Mbit/s

95th percentile per-packet one-way delay: 57.740 ms

Loss rate: 0.52%

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





Run 1: Statistics of FillP-Sheep

Start at: 2019-01-18 19:04:54

End at: 2019-01-18 19:05:24

Local clock offset: 2.868 ms

Remote clock offset: 50.762 ms

# Below is generated by plot.py at 2019-01-18 22:13:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 28.93 Mbit/s

95th percentile per-packet one-way delay: 142.543 ms

Loss rate: 5.79%

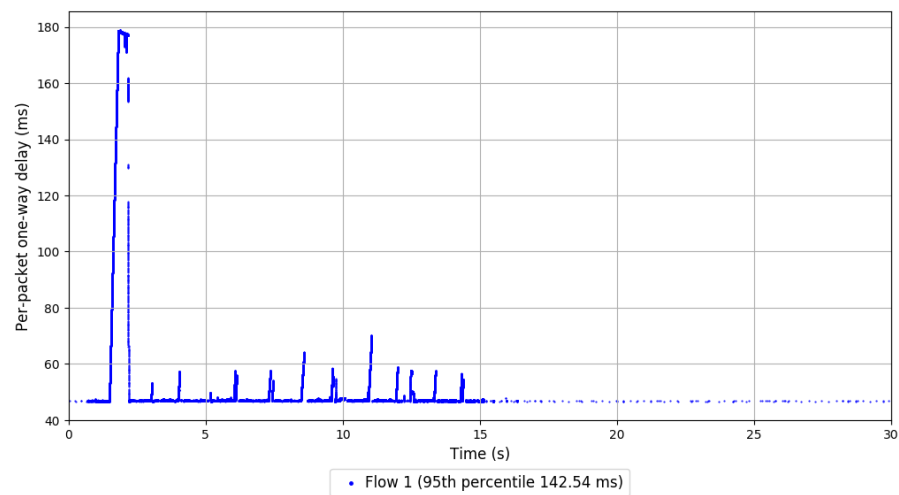
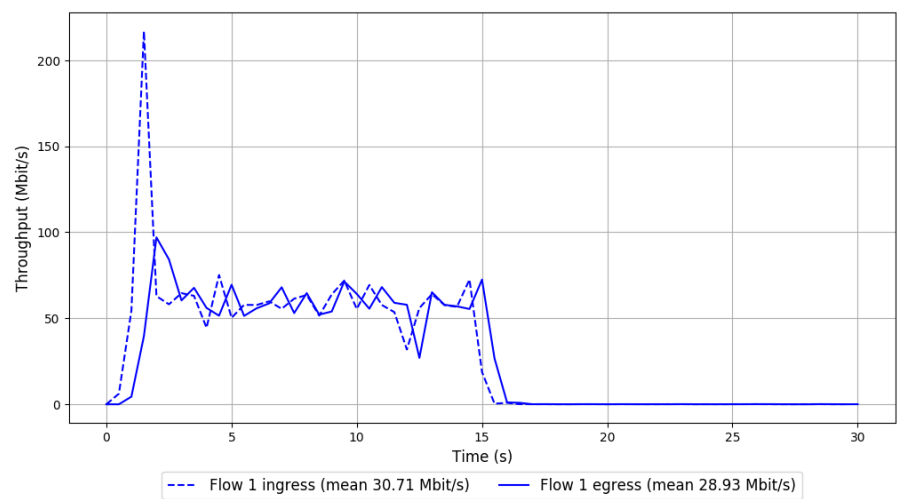
-- Flow 1:

Average throughput: 28.93 Mbit/s

95th percentile per-packet one-way delay: 142.543 ms

Loss rate: 5.79%

Run 1: Report of FillP-Sheep — Data Link

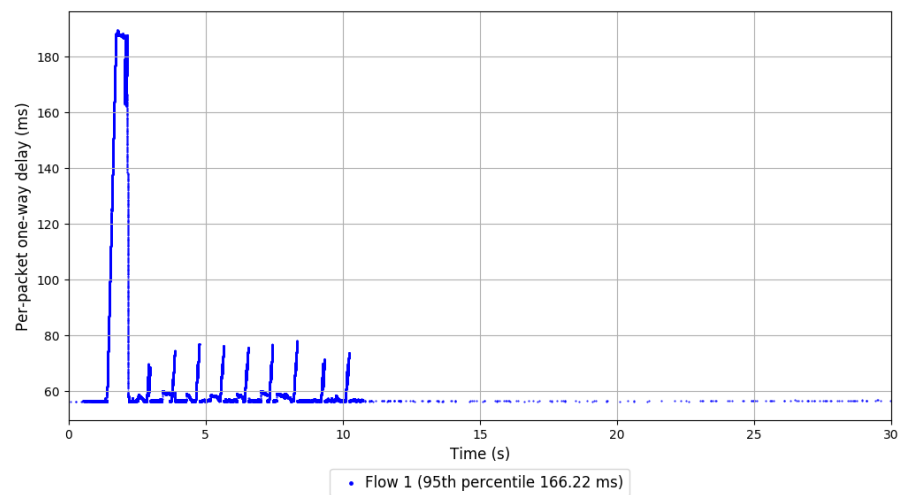
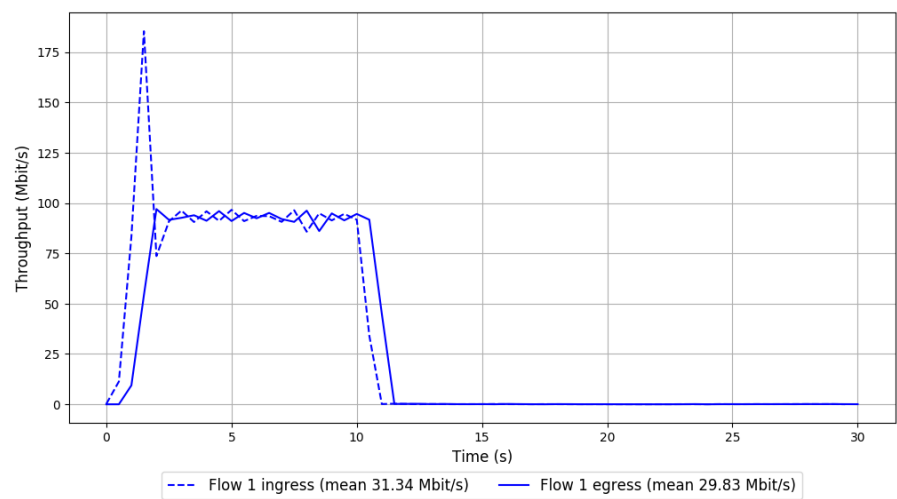


Run 2: Statistics of FillP-Sheep

Start at: 2019-01-18 20:18:04  
End at: 2019-01-18 20:18:34  
Local clock offset: 7.143 ms  
Remote clock offset: -28.885 ms

# Below is generated by plot.py at 2019-01-18 22:13:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 29.83 Mbit/s  
95th percentile per-packet one-way delay: 166.220 ms  
Loss rate: 4.83%  
-- Flow 1:  
Average throughput: 29.83 Mbit/s  
95th percentile per-packet one-way delay: 166.220 ms  
Loss rate: 4.83%

Run 2: Report of FillP-Sheep — Data Link

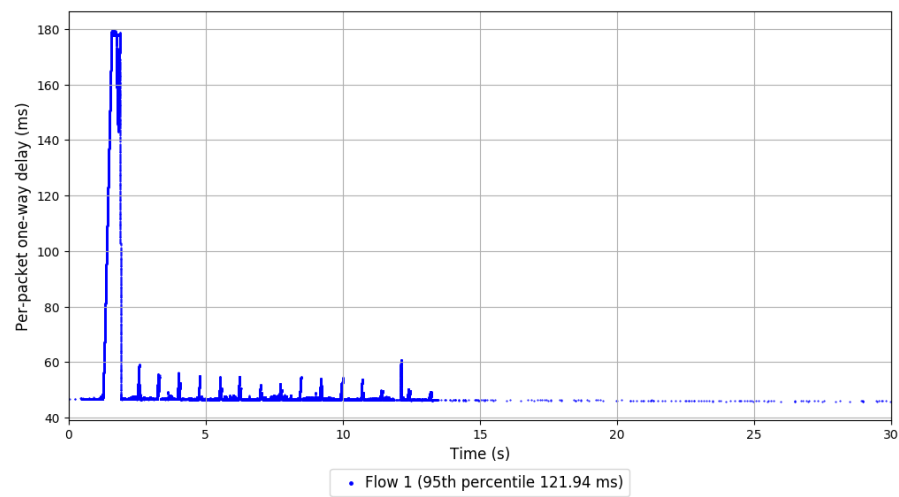
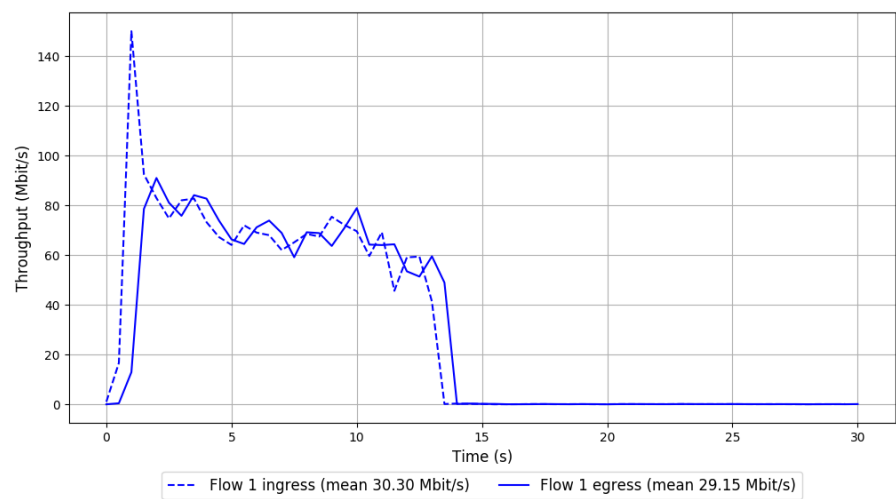


Run 3: Statistics of FillP-Sheep

Start at: 2019-01-18 20:57:52  
End at: 2019-01-18 20:58:22  
Local clock offset: 0.542 ms  
Remote clock offset: -2.547 ms

# Below is generated by plot.py at 2019-01-18 22:13:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 29.15 Mbit/s  
95th percentile per-packet one-way delay: 121.937 ms  
Loss rate: 3.82%  
-- Flow 1:  
Average throughput: 29.15 Mbit/s  
95th percentile per-packet one-way delay: 121.937 ms  
Loss rate: 3.82%

Run 3: Report of FillP-Sheep — Data Link

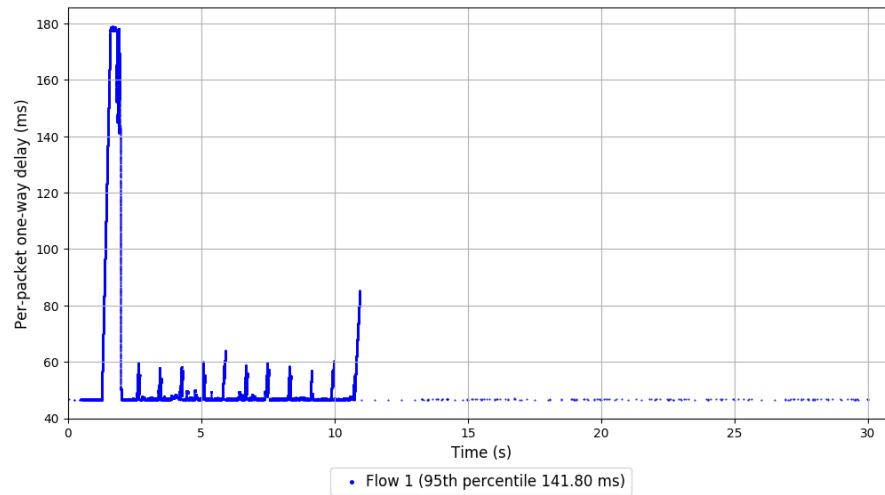
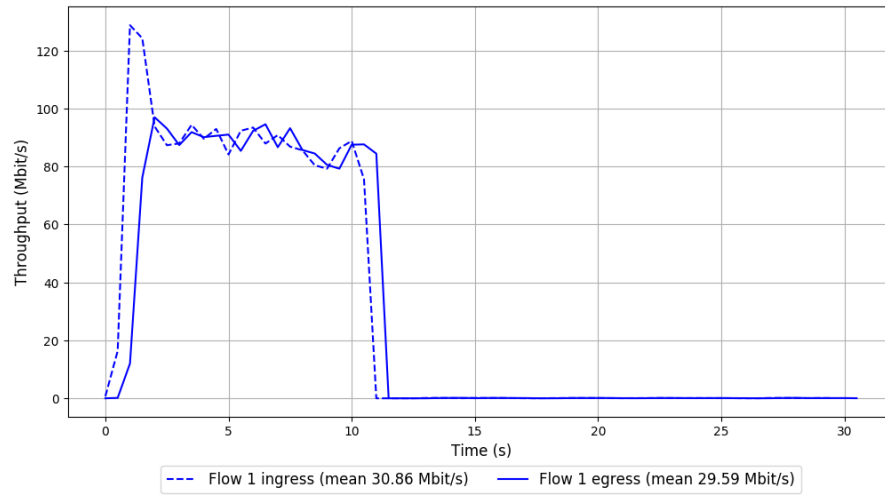


Run 4: Statistics of FillP-Sheep

Start at: 2019-01-18 21:23:48  
End at: 2019-01-18 21:24:18  
Local clock offset: 2.156 ms  
Remote clock offset: 12.809 ms

# Below is generated by plot.py at 2019-01-18 22:13:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 29.59 Mbit/s  
95th percentile per-packet one-way delay: 141.802 ms  
Loss rate: 4.13%  
-- Flow 1:  
Average throughput: 29.59 Mbit/s  
95th percentile per-packet one-way delay: 141.802 ms  
Loss rate: 4.13%

#### Run 4: Report of FillP-Sheep — Data Link





Run 5: Statistics of FillP-Sheep

Start at: 2019-01-18 21:50:06

End at: 2019-01-18 21:50:36

Local clock offset: 2.79 ms

Remote clock offset: 4.091 ms

# Below is generated by plot.py at 2019-01-18 22:14:24

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.28 Mbit/s

95th percentile per-packet one-way delay: 67.303 ms

Loss rate: 0.65%

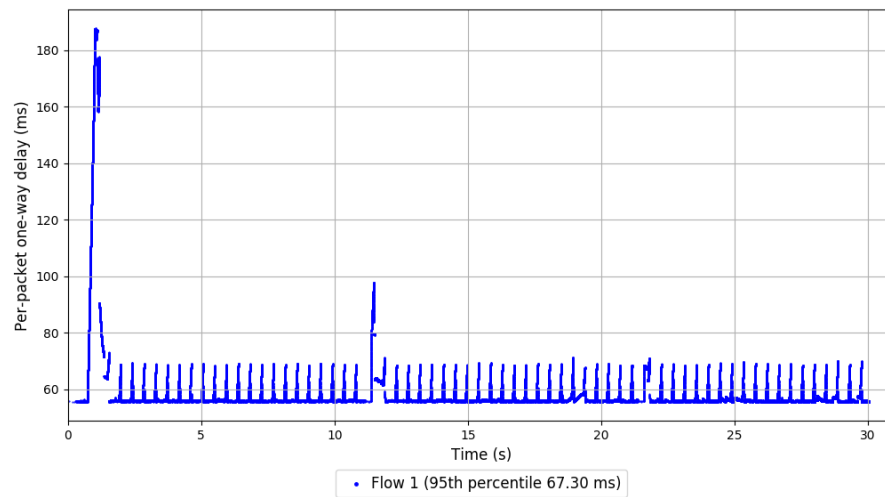
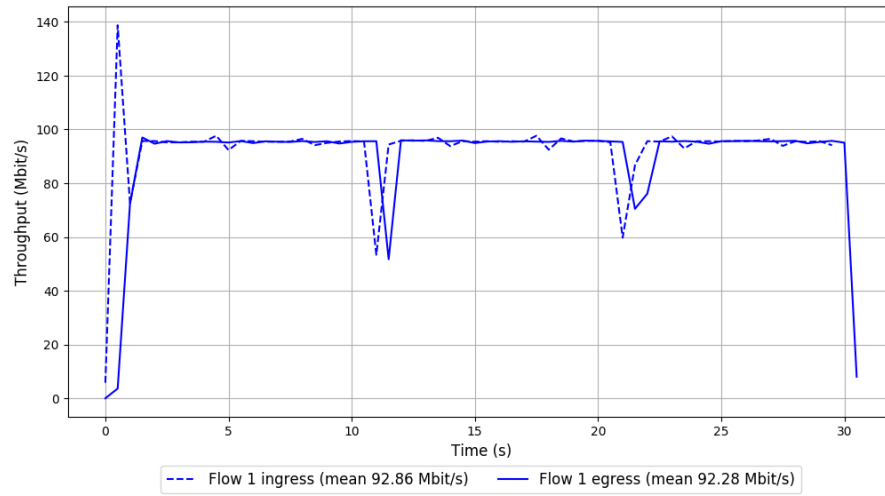
-- Flow 1:

Average throughput: 92.28 Mbit/s

95th percentile per-packet one-way delay: 67.303 ms

Loss rate: 0.65%

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



Run 1: Statistics of Indigo

Start at: 2019-01-18 20:02:25

End at: 2019-01-18 20:02:55

Local clock offset: 7.528 ms

Remote clock offset: -2.739 ms

# Below is generated by plot.py at 2019-01-18 22:14:24

# Datalink statistics

-- Total of 1 flow:

Average throughput: 70.83 Mbit/s

95th percentile per-packet one-way delay: 57.931 ms

Loss rate: 8.00%

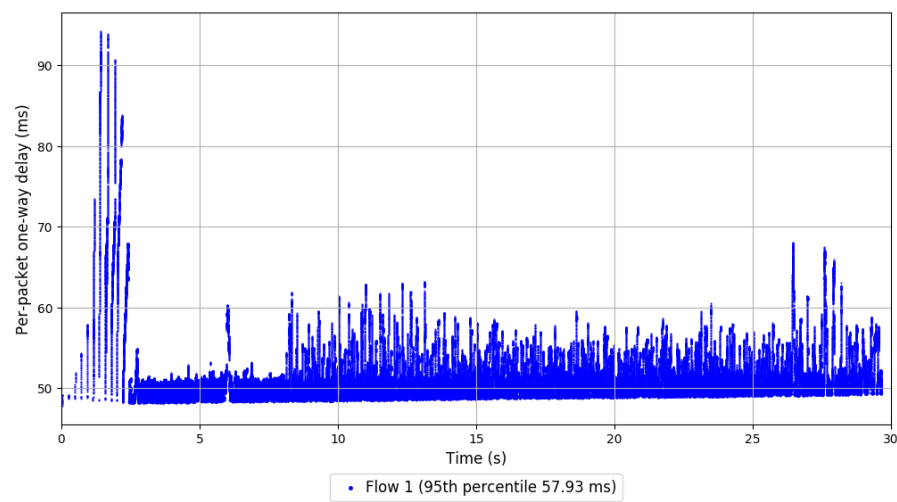
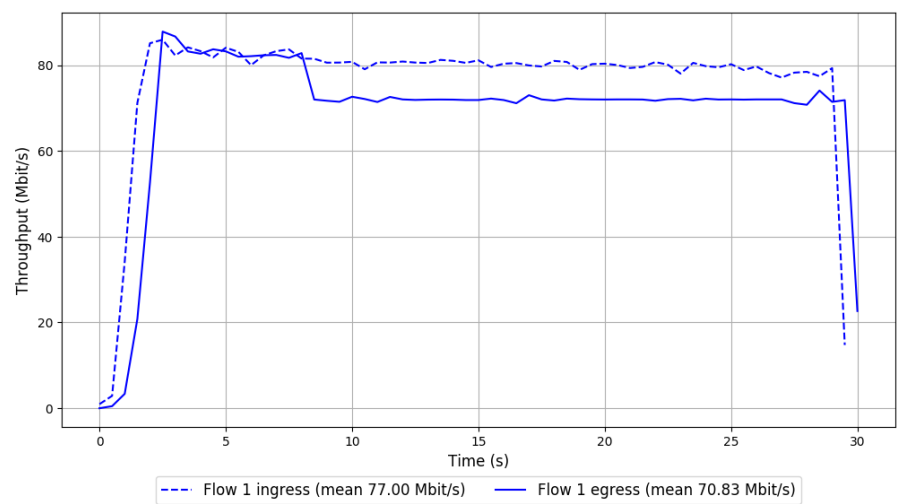
-- Flow 1:

Average throughput: 70.83 Mbit/s

95th percentile per-packet one-way delay: 57.931 ms

Loss rate: 8.00%

Run 1: Report of Indigo — Data Link

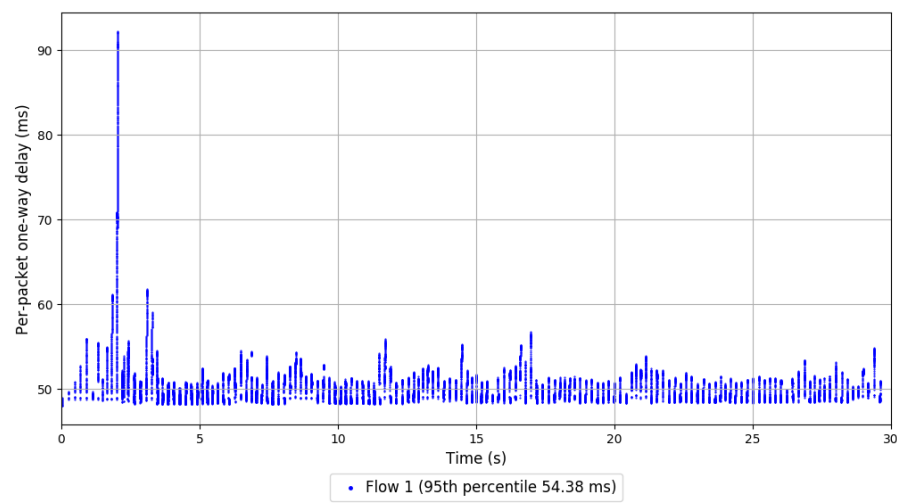
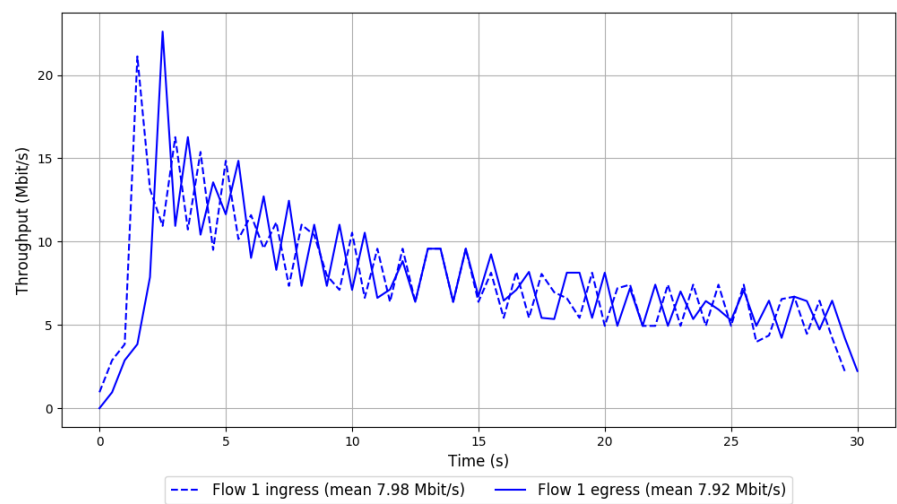


Run 2: Statistics of Indigo

Start at: 2019-01-18 20:49:11  
End at: 2019-01-18 20:49:41  
Local clock offset: -0.244 ms  
Remote clock offset: -11.34 ms

# Below is generated by plot.py at 2019-01-18 22:14:24  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 7.92 Mbit/s  
95th percentile per-packet one-way delay: 54.379 ms  
Loss rate: 0.80%  
-- Flow 1:  
Average throughput: 7.92 Mbit/s  
95th percentile per-packet one-way delay: 54.379 ms  
Loss rate: 0.80%

Run 2: Report of Indigo — Data Link

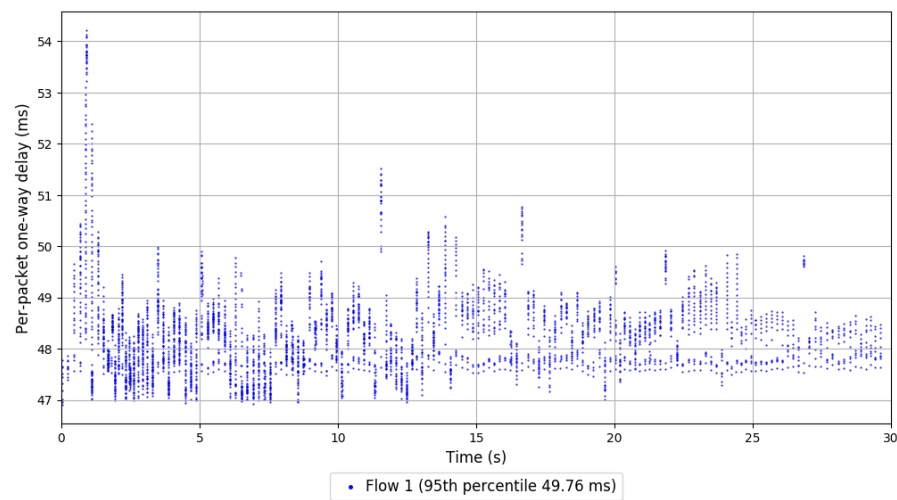
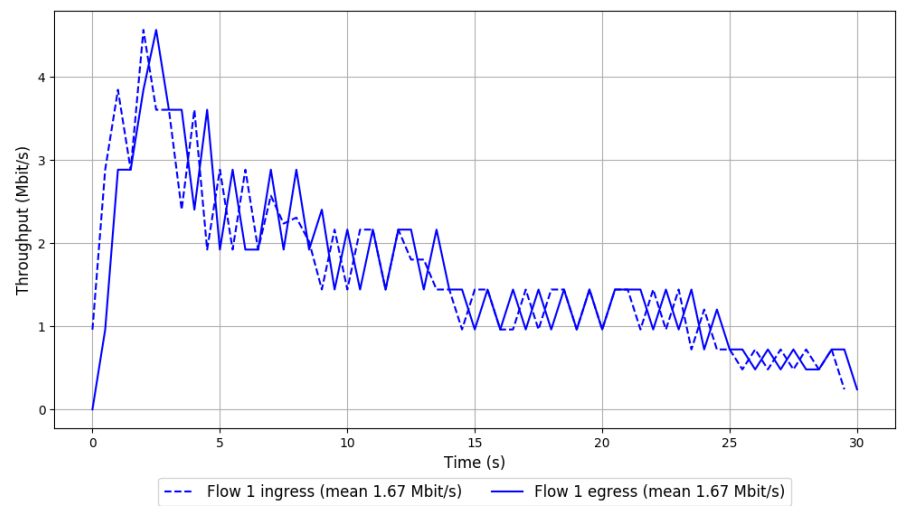


Run 3: Statistics of Indigo

Start at: 2019-01-18 21:16:33  
End at: 2019-01-18 21:17:03  
Local clock offset: 0.259 ms  
Remote clock offset: 11.906 ms

# Below is generated by plot.py at 2019-01-18 22:14:24  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.67 Mbit/s  
95th percentile per-packet one-way delay: 49.763 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.67 Mbit/s  
95th percentile per-packet one-way delay: 49.763 ms  
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link





Run 4: Statistics of Indigo

Start at: 2019-01-18 21:42:36

End at: 2019-01-18 21:43:06

Local clock offset: 3.596 ms

Remote clock offset: 5.658 ms

# Below is generated by plot.py at 2019-01-18 22:14:24

# Datalink statistics

-- Total of 1 flow:

Average throughput: 38.67 Mbit/s

95th percentile per-packet one-way delay: 56.023 ms

Loss rate: 0.10%

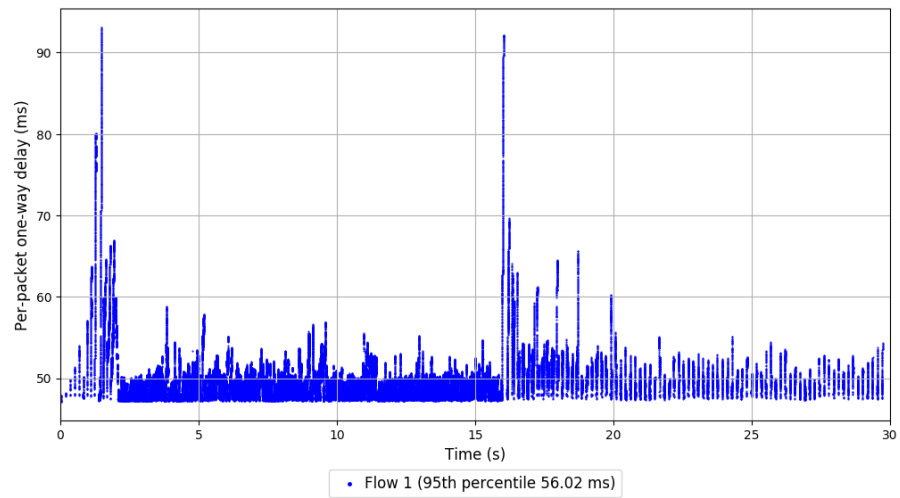
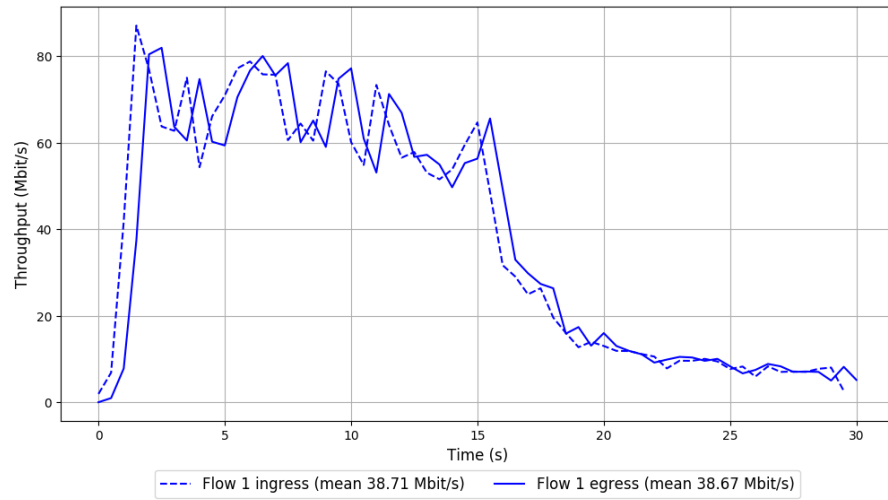
-- Flow 1:

Average throughput: 38.67 Mbit/s

95th percentile per-packet one-way delay: 56.023 ms

Loss rate: 0.10%

#### Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-01-18 22:09:02

End at: 2019-01-18 22:09:32

Local clock offset: -0.257 ms

Remote clock offset: 2.272 ms

# Below is generated by plot.py at 2019-01-18 22:14:24

# Datalink statistics

-- Total of 1 flow:

Average throughput: 71.79 Mbit/s

95th percentile per-packet one-way delay: 53.493 ms

Loss rate: 2.72%

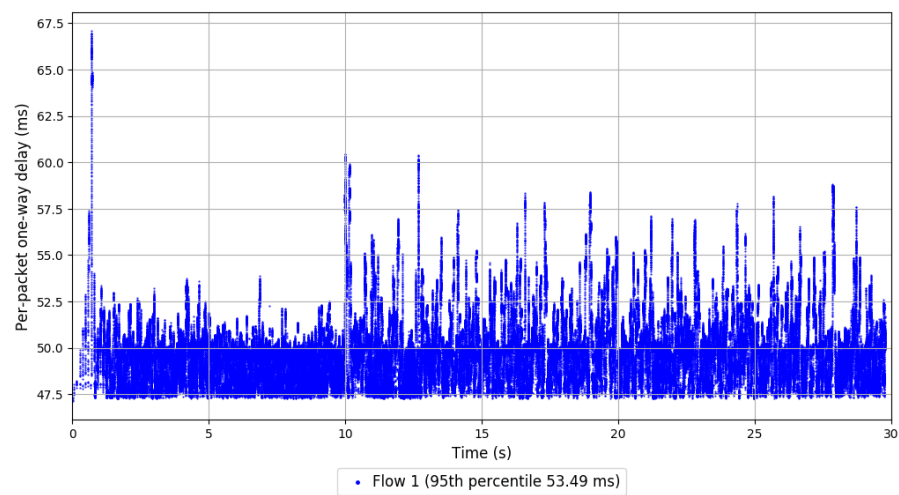
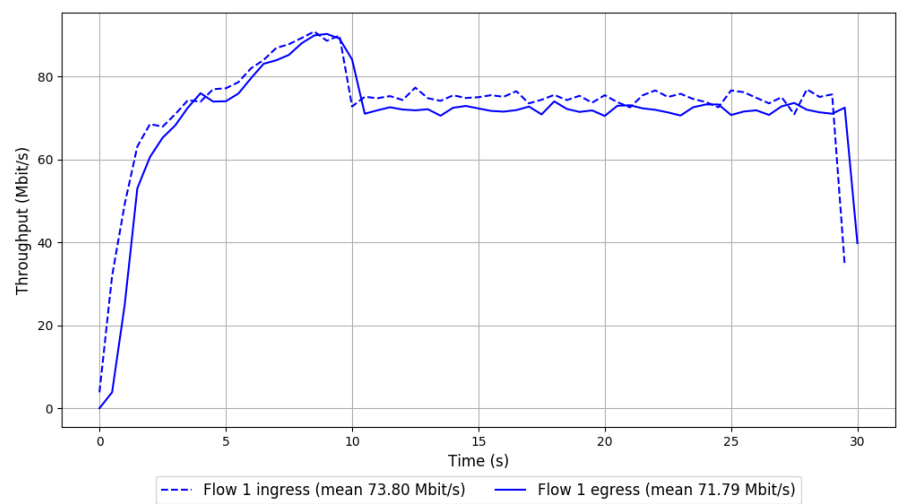
-- Flow 1:

Average throughput: 71.79 Mbit/s

95th percentile per-packet one-way delay: 53.493 ms

Loss rate: 2.72%

Run 5: Report of Indigo — Data Link

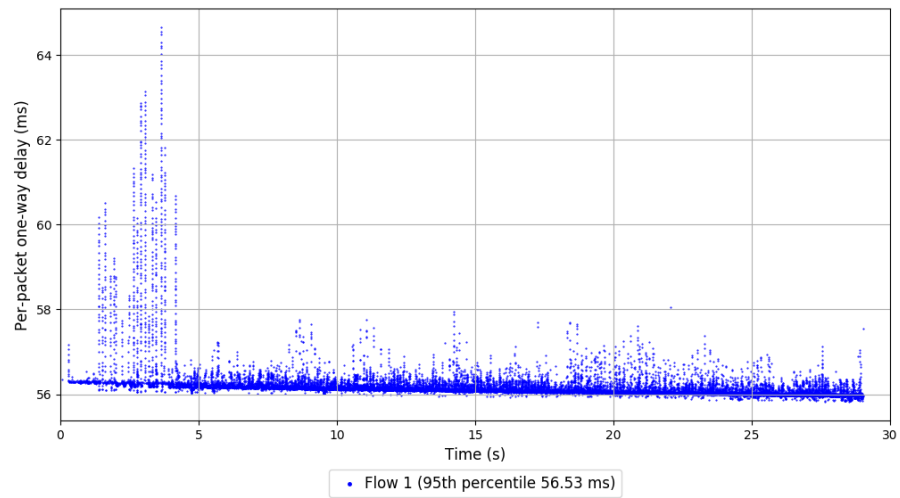
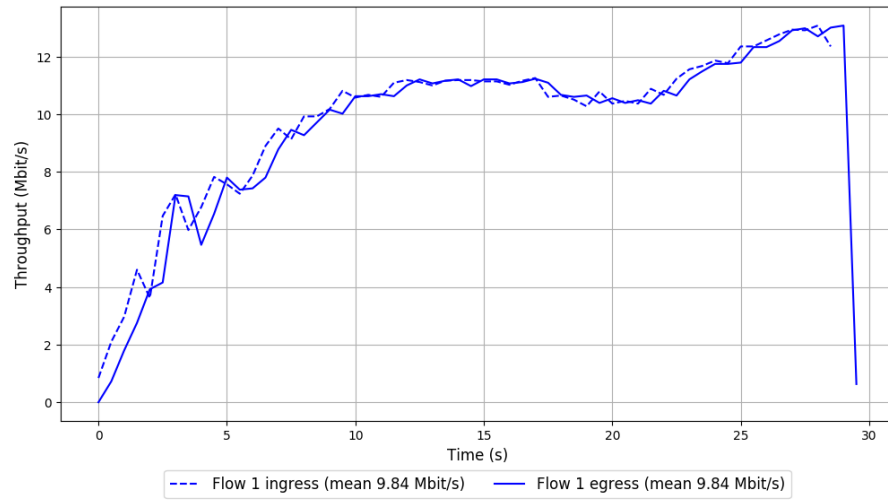


Run 1: Statistics of Indigo-MusesC3

Start at: 2019-01-18 18:52:54  
End at: 2019-01-18 18:53:24  
Local clock offset: -0.718 ms  
Remote clock offset: 42.235 ms

# Below is generated by plot.py at 2019-01-18 22:14:24  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 9.84 Mbit/s  
95th percentile per-packet one-way delay: 56.535 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 9.84 Mbit/s  
95th percentile per-packet one-way delay: 56.535 ms  
Loss rate: 0.04%

# Run 1: Report of Indigo-MusesC3 — Data Link

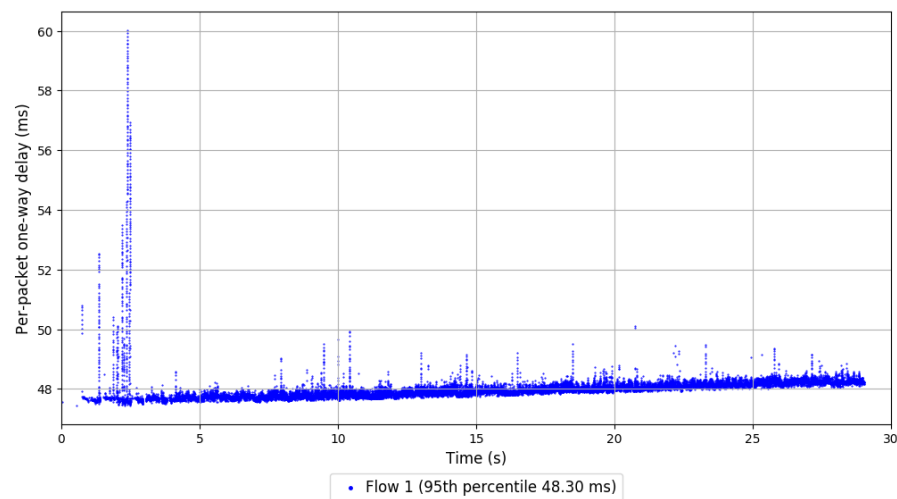
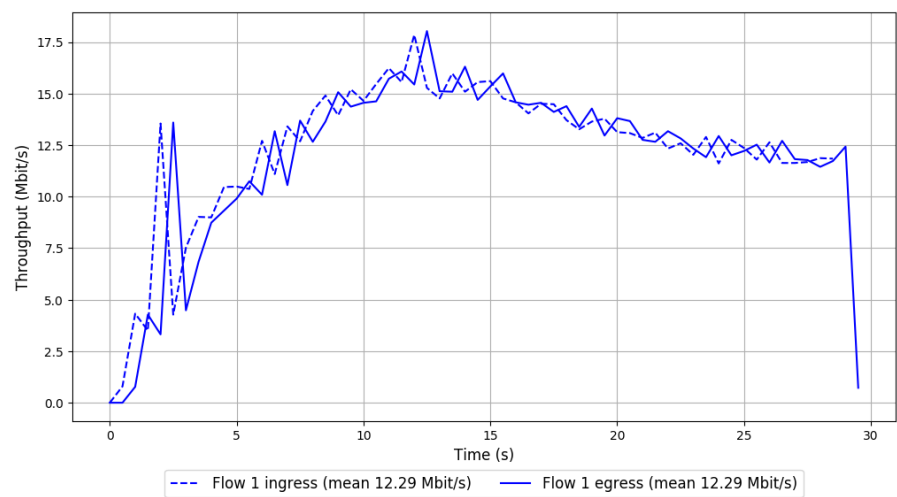


Run 2: Statistics of Indigo-MusesC3

Start at: 2019-01-18 20:15:14  
End at: 2019-01-18 20:15:44  
Local clock offset: 8.157 ms  
Remote clock offset: -25.007 ms

# Below is generated by plot.py at 2019-01-18 22:14:24  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.29 Mbit/s  
95th percentile per-packet one-way delay: 48.302 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 12.29 Mbit/s  
95th percentile per-packet one-way delay: 48.302 ms  
Loss rate: 0.00%

Run 2: Report of Indigo-MusesC3 — Data Link



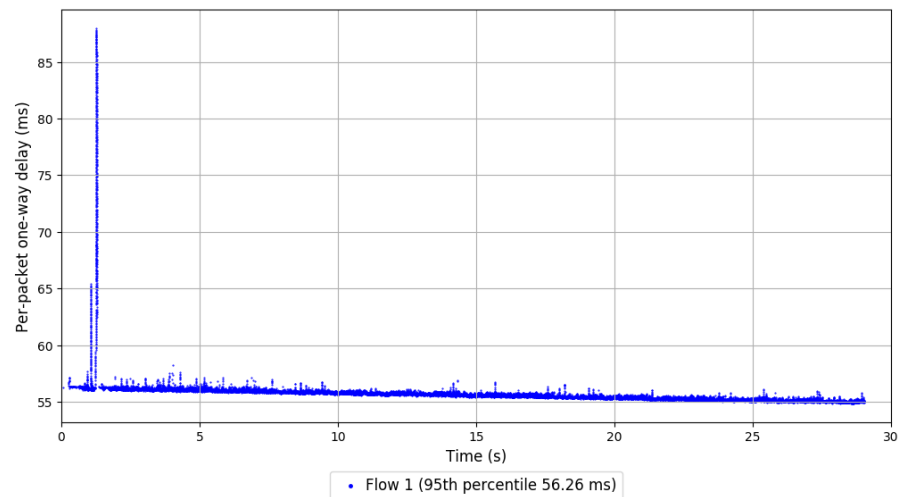
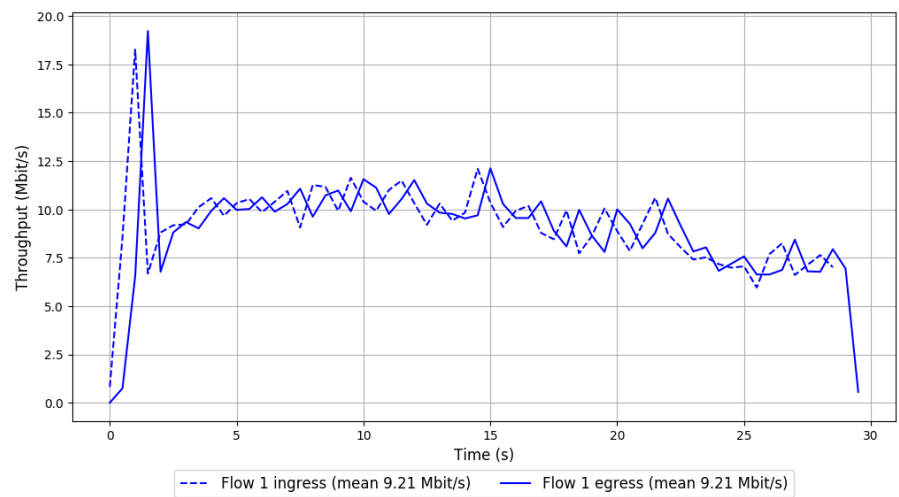


Run 3: Statistics of Indigo-MusesC3

Start at: 2019-01-18 20:54:18  
End at: 2019-01-18 20:54:48  
Local clock offset: 0.108 ms  
Remote clock offset: -10.894 ms

# Below is generated by plot.py at 2019-01-18 22:14:24  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 9.21 Mbit/s  
95th percentile per-packet one-way delay: 56.258 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 9.21 Mbit/s  
95th percentile per-packet one-way delay: 56.258 ms  
Loss rate: 0.03%

Run 3: Report of Indigo-MusesC3 — Data Link

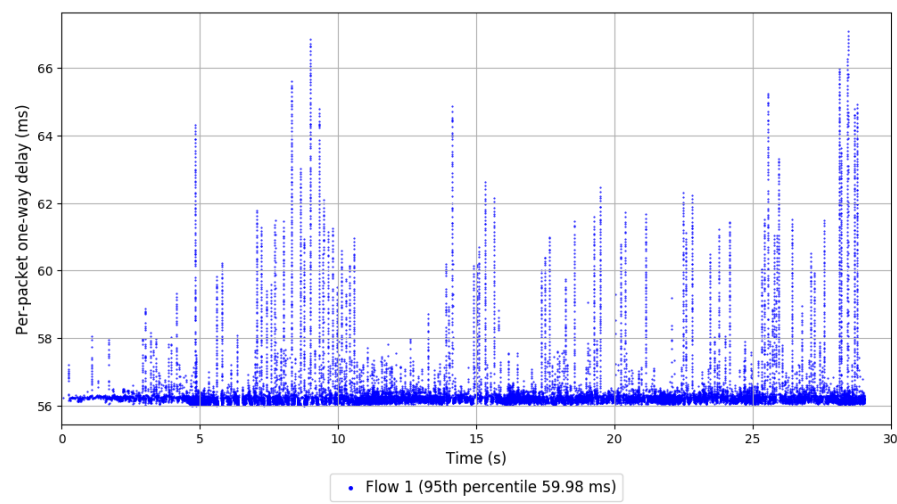
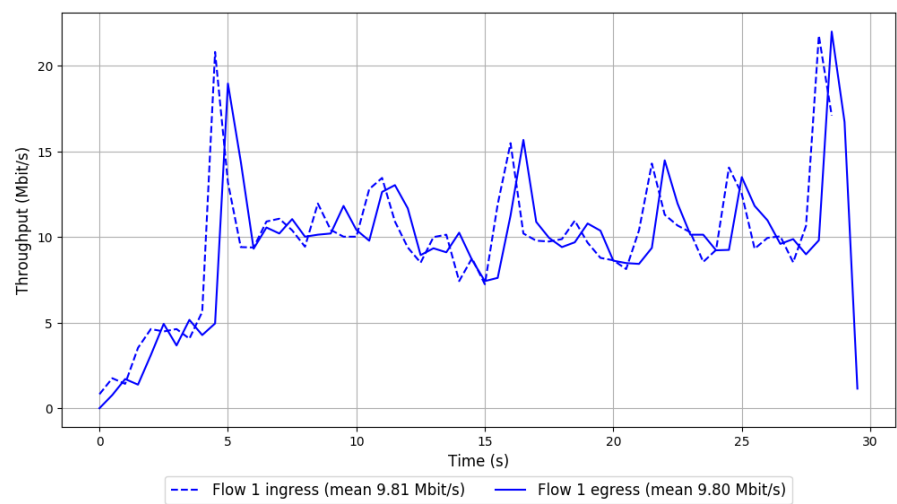


Run 4: Statistics of Indigo-MusesC3

Start at: 2019-01-18 21:21:15  
End at: 2019-01-18 21:21:45  
Local clock offset: 1.702 ms  
Remote clock offset: 12.584 ms

# Below is generated by plot.py at 2019-01-18 22:14:24  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 9.80 Mbit/s  
95th percentile per-packet one-way delay: 59.977 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 9.80 Mbit/s  
95th percentile per-packet one-way delay: 59.977 ms  
Loss rate: 0.06%

Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2019-01-18 21:47:42

End at: 2019-01-18 21:48:12

Local clock offset: 3.371 ms

Remote clock offset: 4.7 ms

# Below is generated by plot.py at 2019-01-18 22:14:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 71.11 Mbit/s

95th percentile per-packet one-way delay: 59.561 ms

Loss rate: 0.00%

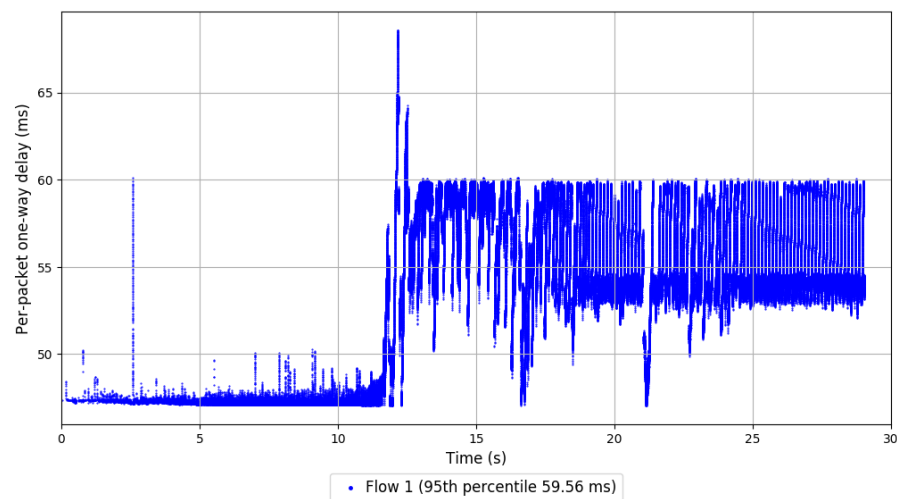
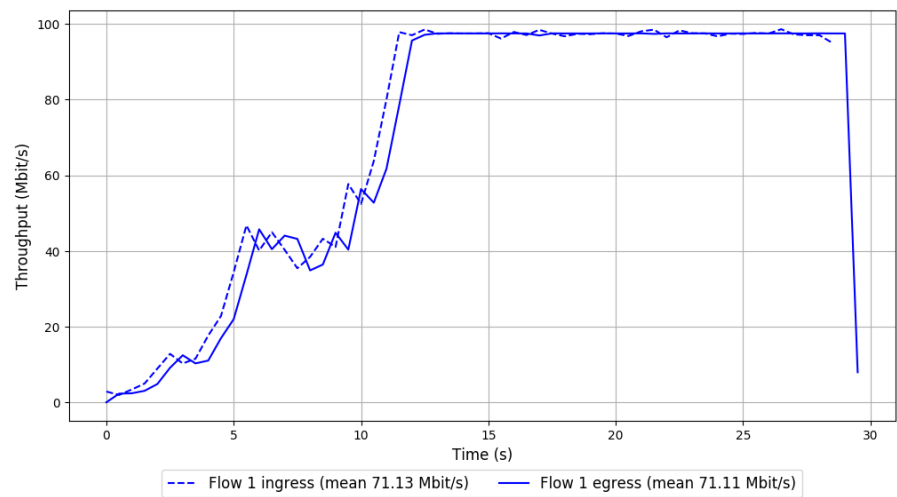
-- Flow 1:

Average throughput: 71.11 Mbit/s

95th percentile per-packet one-way delay: 59.561 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2019-01-18 19:21:07

End at: 2019-01-18 19:21:37

Local clock offset: 4.53 ms

Remote clock offset: 65.307 ms

# Below is generated by plot.py at 2019-01-18 22:14:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 62.12 Mbit/s

95th percentile per-packet one-way delay: 98.431 ms

Loss rate: 0.05%

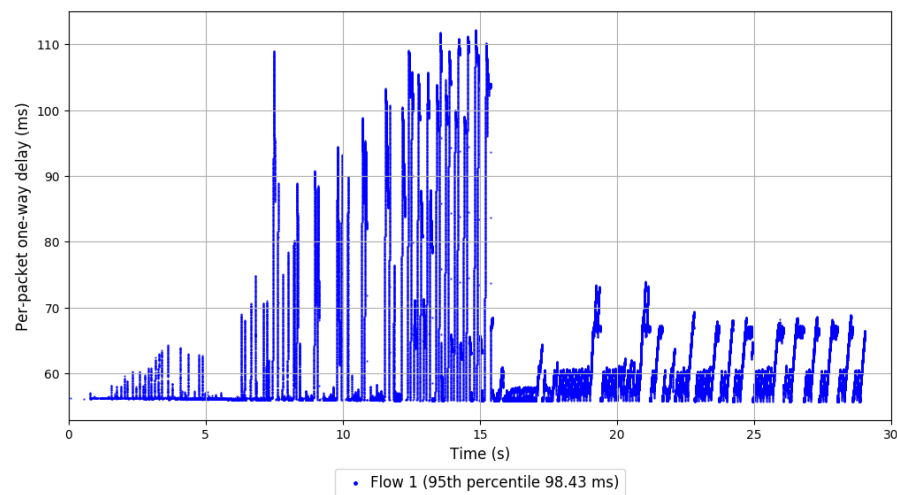
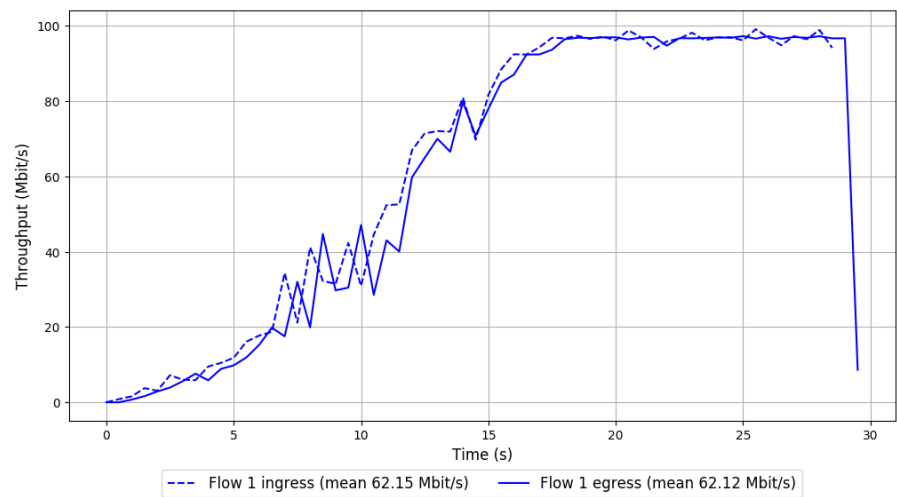
-- Flow 1:

Average throughput: 62.12 Mbit/s

95th percentile per-packet one-way delay: 98.431 ms

Loss rate: 0.05%

Run 1: Report of Indigo-MusesC5 — Data Link



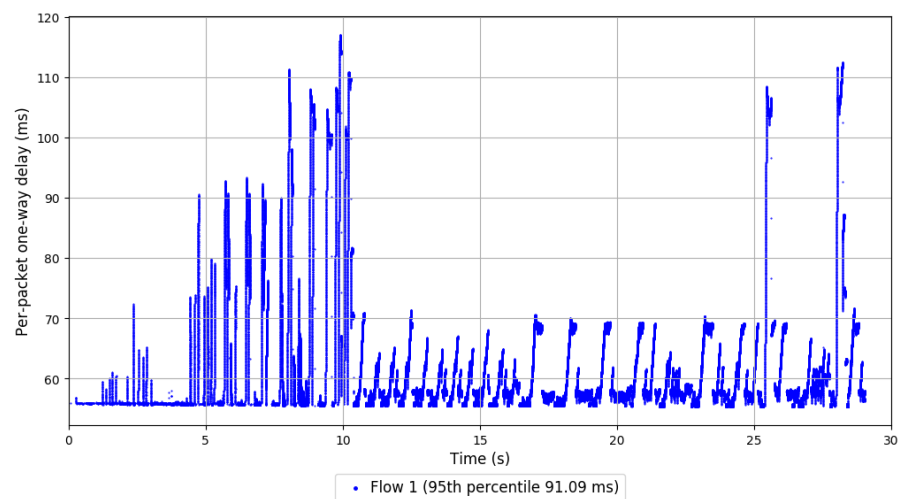
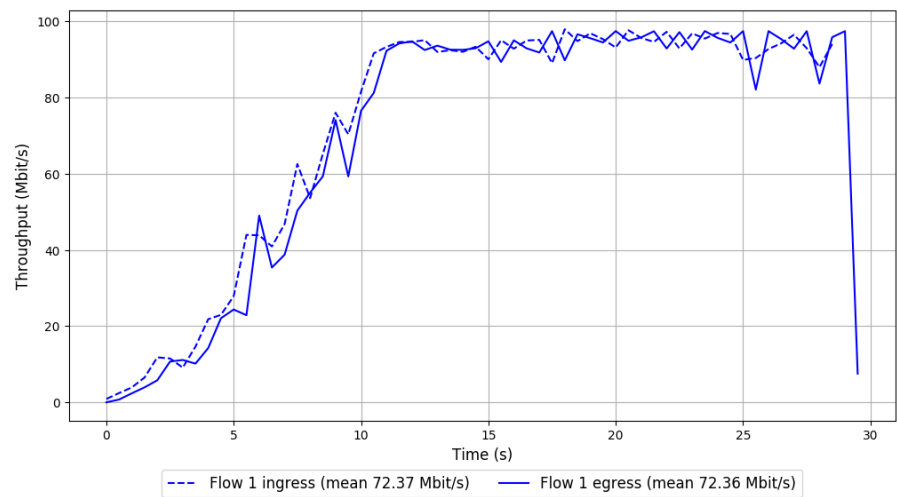


Run 2: Statistics of Indigo-MusesC5

Start at: 2019-01-18 20:30:42  
End at: 2019-01-18 20:31:12  
Local clock offset: 1.64 ms  
Remote clock offset: -9.906 ms

# Below is generated by plot.py at 2019-01-18 22:14:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 72.36 Mbit/s  
95th percentile per-packet one-way delay: 91.087 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 72.36 Mbit/s  
95th percentile per-packet one-way delay: 91.087 ms  
Loss rate: 0.04%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-01-18 21:05:25

End at: 2019-01-18 21:05:55

Local clock offset: 0.501 ms

Remote clock offset: 6.807 ms

# Below is generated by plot.py at 2019-01-18 22:14:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.01 Mbit/s

95th percentile per-packet one-way delay: 46.737 ms

Loss rate: 0.00%

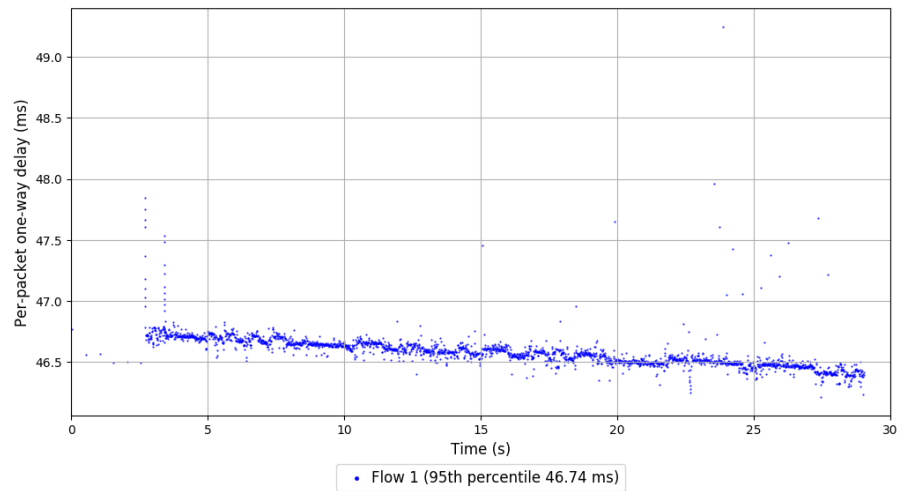
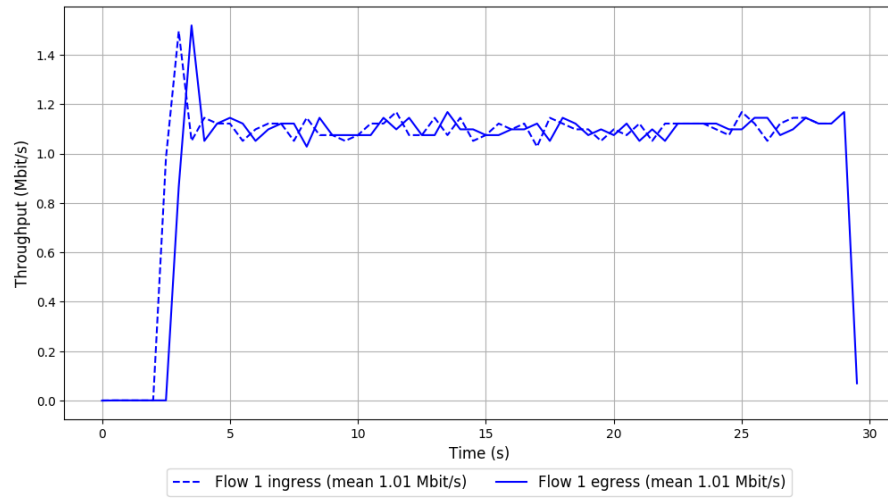
-- Flow 1:

Average throughput: 1.01 Mbit/s

95th percentile per-packet one-way delay: 46.737 ms

Loss rate: 0.00%

### Run 3: Report of Indigo-MusesC5 — Data Link

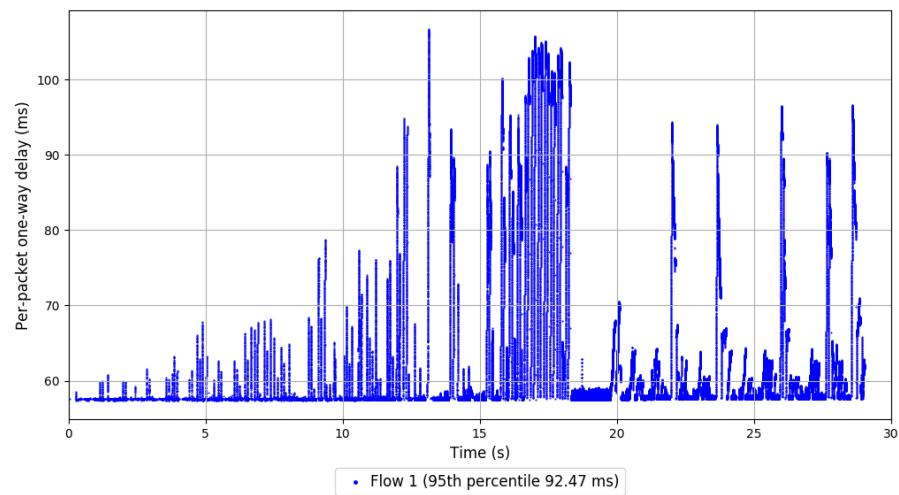
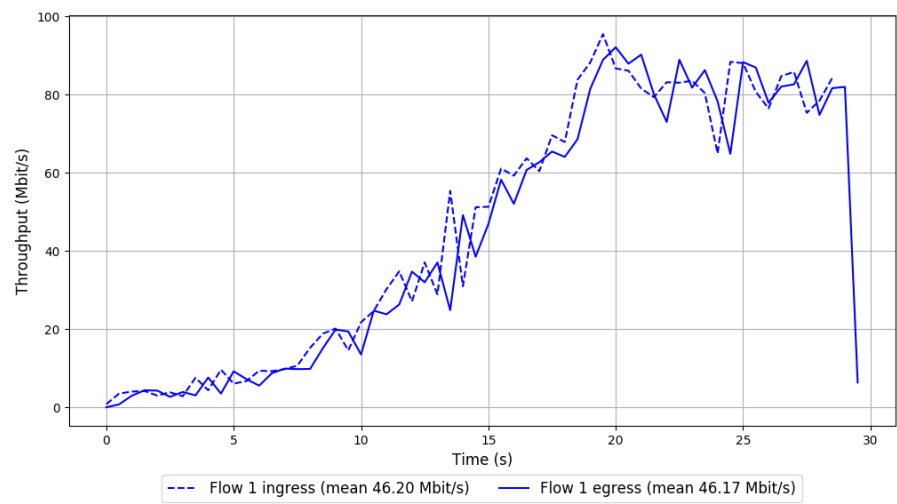


Run 4: Statistics of Indigo-MusesC5

Start at: 2019-01-18 21:31:44  
End at: 2019-01-18 21:32:14  
Local clock offset: 3.078 ms  
Remote clock offset: 10.711 ms

# Below is generated by plot.py at 2019-01-18 22:14:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 46.17 Mbit/s  
95th percentile per-packet one-way delay: 92.475 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 46.17 Mbit/s  
95th percentile per-packet one-way delay: 92.475 ms  
Loss rate: 0.07%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-01-18 21:57:26

End at: 2019-01-18 21:57:56

Local clock offset: 0.707 ms

Remote clock offset: 3.106 ms

# Below is generated by plot.py at 2019-01-18 22:14:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 23.03 Mbit/s

95th percentile per-packet one-way delay: 56.997 ms

Loss rate: 40.17%

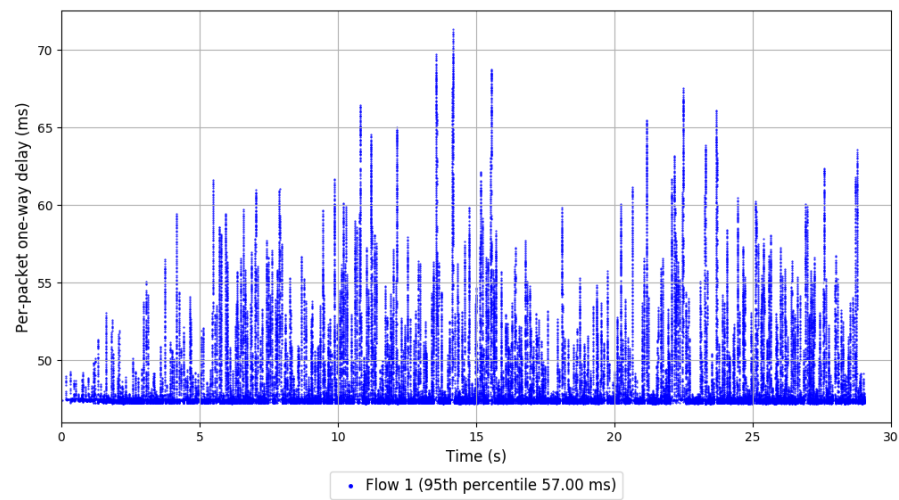
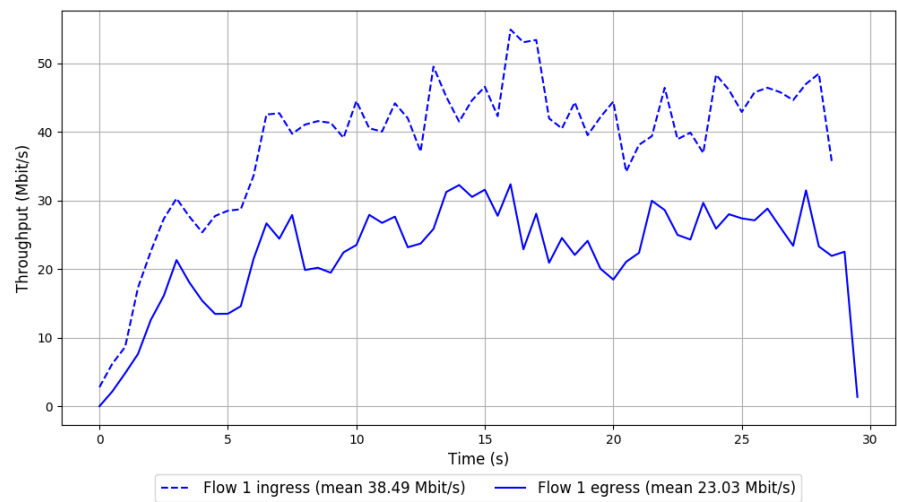
-- Flow 1:

Average throughput: 23.03 Mbit/s

95th percentile per-packet one-way delay: 56.997 ms

Loss rate: 40.17%

Run 5: Report of Indigo-MusesC5 — Data Link



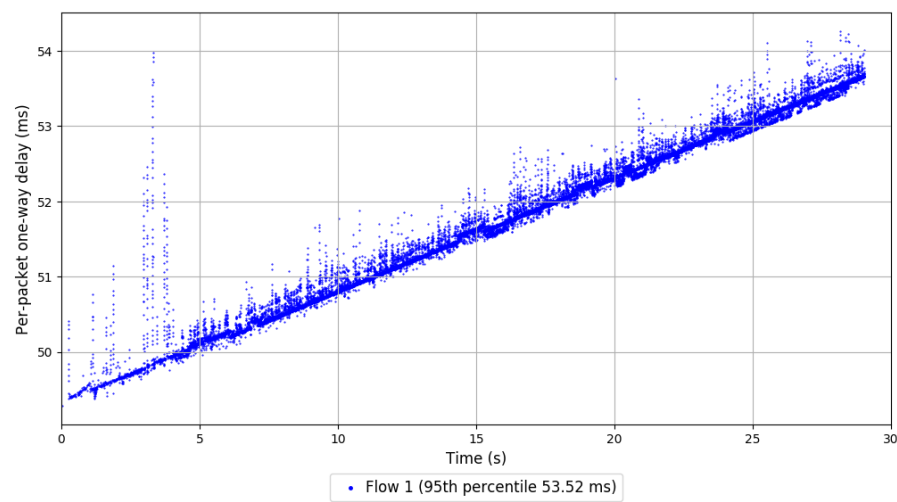
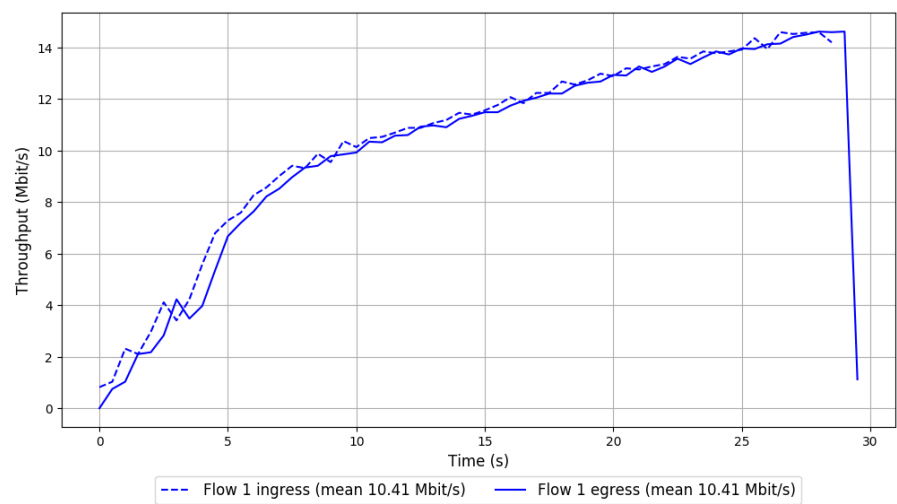


```
Run 1: Statistics of Indigo-MusesD

Start at: 2019-01-18 19:45:14
End at: 2019-01-18 19:45:44
Local clock offset: 6.217 ms
Remote clock offset: 77.963 ms

# Below is generated by plot.py at 2019-01-18 22:14:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.41 Mbit/s
95th percentile per-packet one-way delay: 53.518 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.41 Mbit/s
95th percentile per-packet one-way delay: 53.518 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-MusesD — Data Link

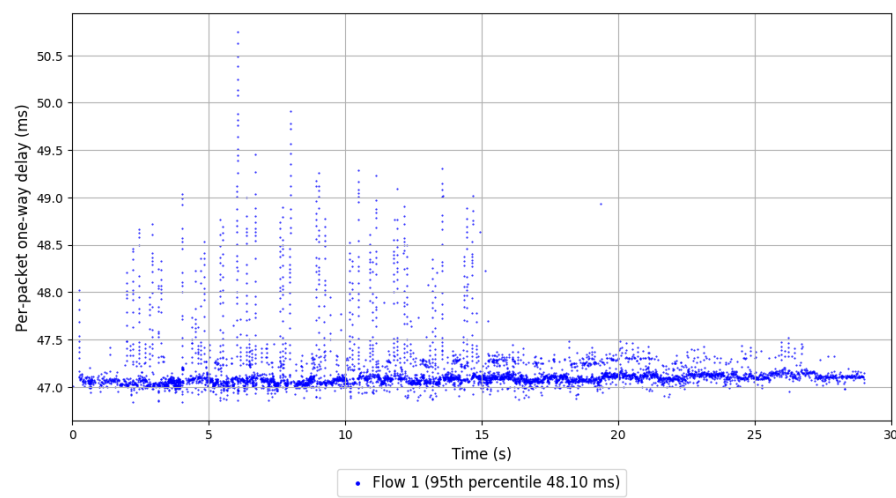
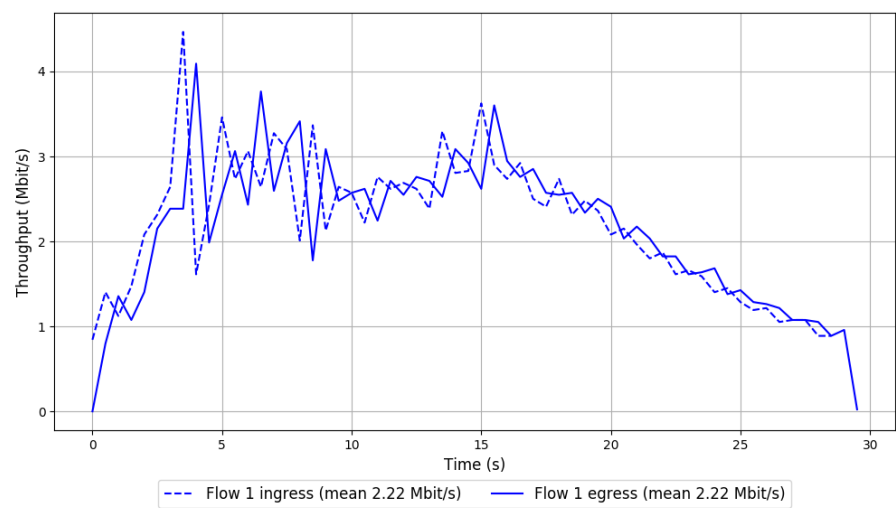


Run 2: Statistics of Indigo-MusesD

Start at: 2019-01-18 20:41:09  
End at: 2019-01-18 20:41:39  
Local clock offset: 0.298 ms  
Remote clock offset: -8.826 ms

# Below is generated by plot.py at 2019-01-18 22:14:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.22 Mbit/s  
95th percentile per-packet one-way delay: 48.105 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.22 Mbit/s  
95th percentile per-packet one-way delay: 48.105 ms  
Loss rate: 0.00%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-01-18 21:10:31

End at: 2019-01-18 21:11:01

Local clock offset: 0.44 ms

Remote clock offset: 9.822 ms

# Below is generated by plot.py at 2019-01-18 22:14:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 3.06 Mbit/s

95th percentile per-packet one-way delay: 47.209 ms

Loss rate: 0.00%

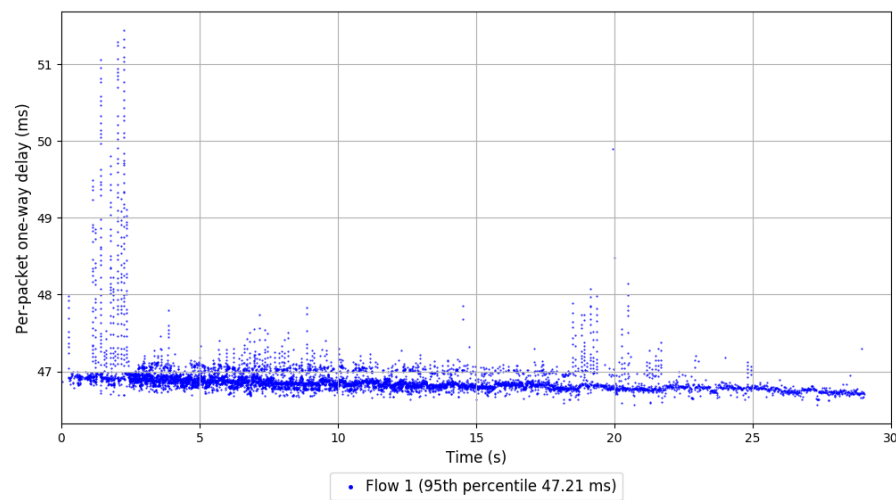
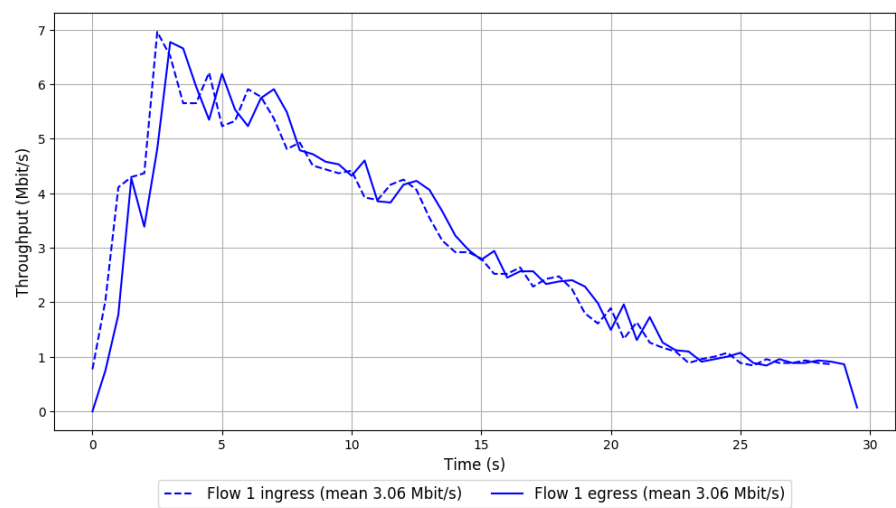
-- Flow 1:

Average throughput: 3.06 Mbit/s

95th percentile per-packet one-way delay: 47.209 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-01-18 21:36:43

End at: 2019-01-18 21:37:13

Local clock offset: 3.696 ms

Remote clock offset: 8.051 ms

# Below is generated by plot.py at 2019-01-18 22:14:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 6.40 Mbit/s

95th percentile per-packet one-way delay: 56.949 ms

Loss rate: 0.00%

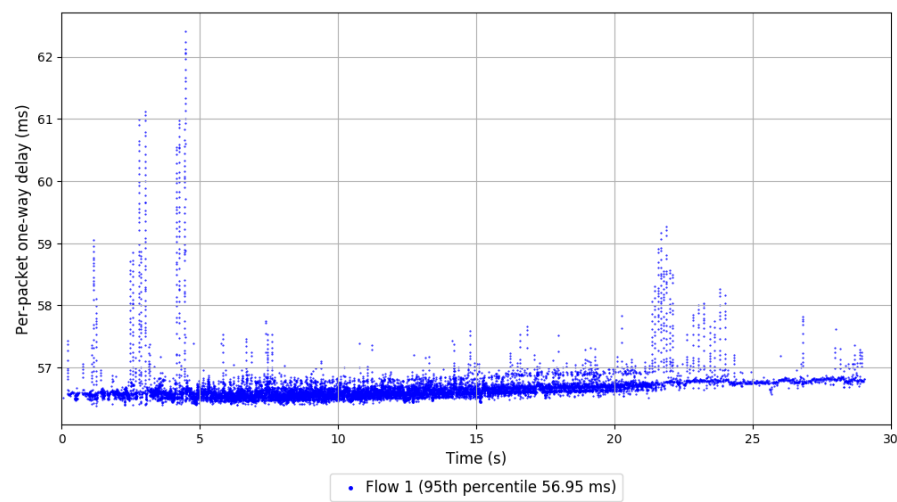
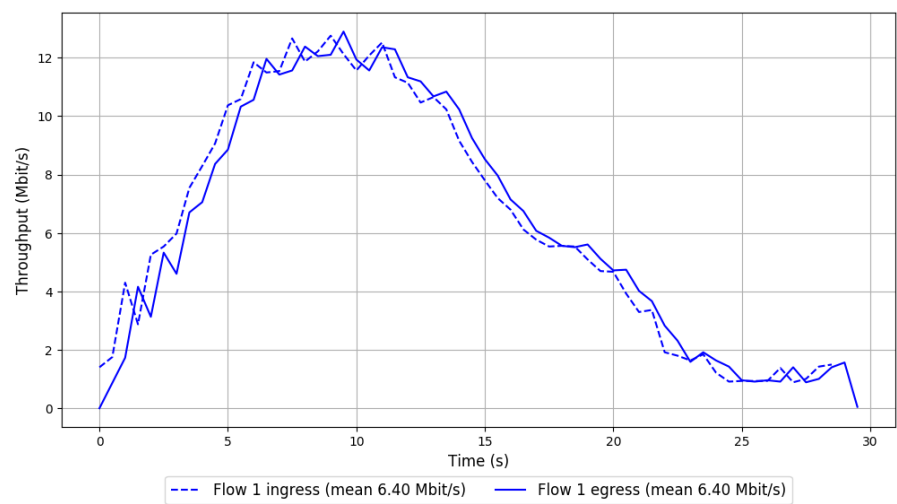
-- Flow 1:

Average throughput: 6.40 Mbit/s

95th percentile per-packet one-way delay: 56.949 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesD — Data Link





Run 5: Statistics of Indigo-MusesD

Start at: 2019-01-18 22:02:15

End at: 2019-01-18 22:02:45

Local clock offset: 0.417 ms

Remote clock offset: 2.784 ms

# Below is generated by plot.py at 2019-01-18 22:15:08

# Datalink statistics

-- Total of 1 flow:

Average throughput: 82.03 Mbit/s

95th percentile per-packet one-way delay: 51.047 ms

Loss rate: 0.00%

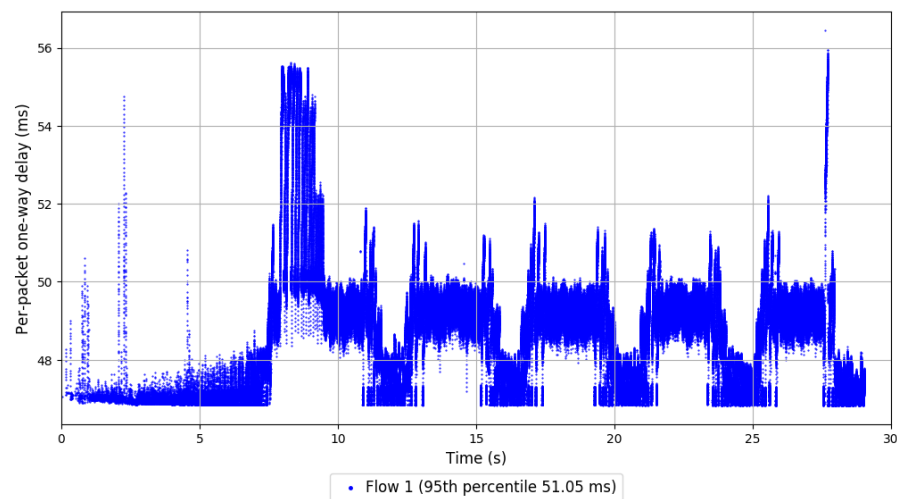
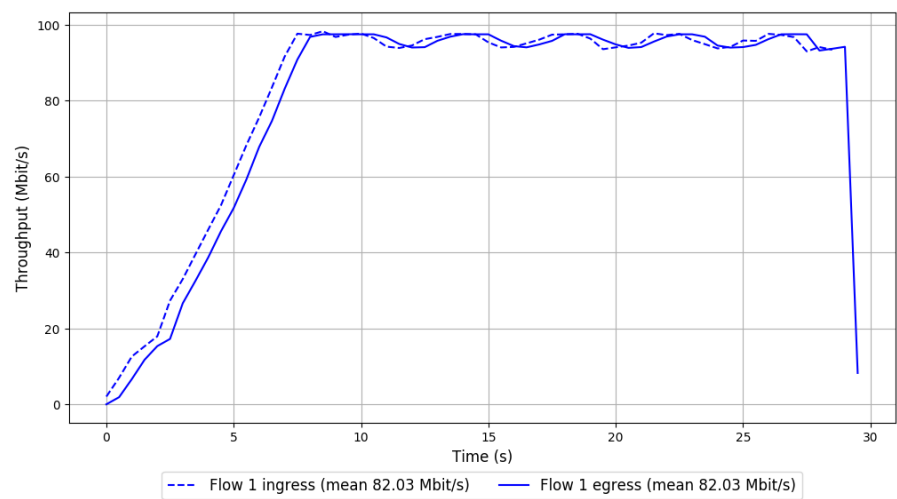
-- Flow 1:

Average throughput: 82.03 Mbit/s

95th percentile per-packet one-way delay: 51.047 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesD — Data Link

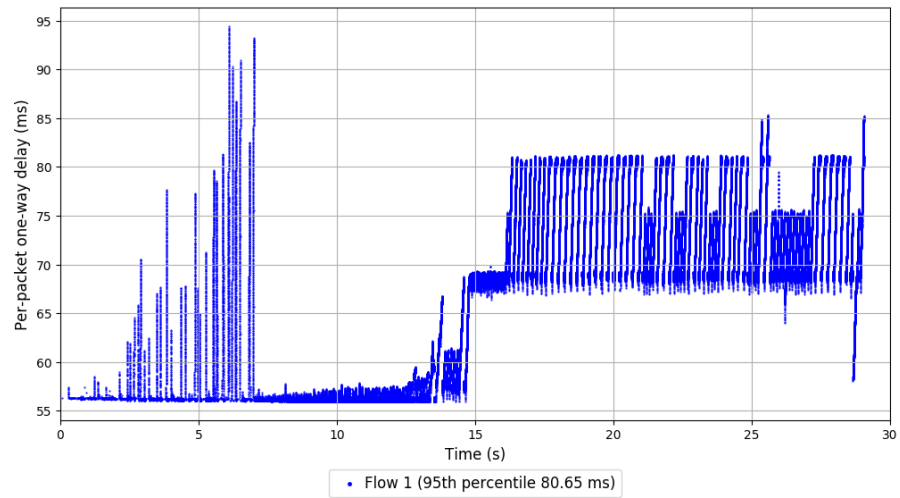
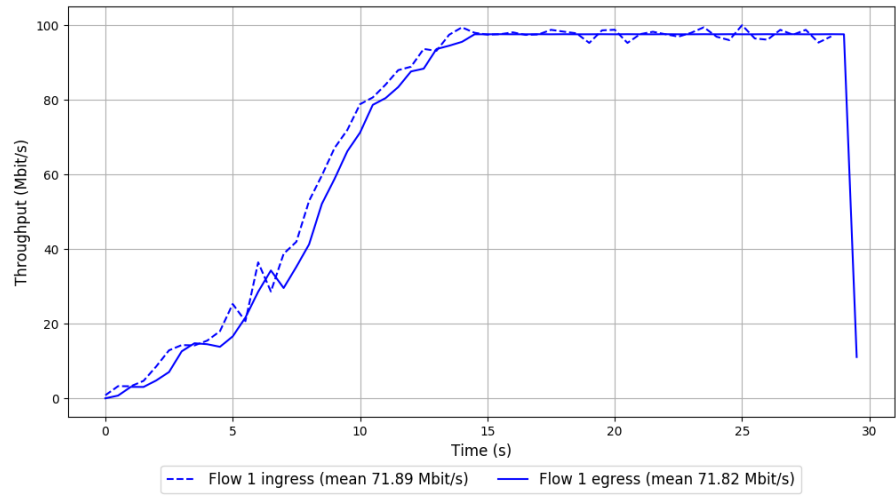


```
Run 1: Statistics of Indigo-MusesT

Start at: 2019-01-18 18:55:10
End at: 2019-01-18 18:55:40
Local clock offset: 0.106 ms
Remote clock offset: 44.277 ms

# Below is generated by plot.py at 2019-01-18 22:15:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.82 Mbit/s
95th percentile per-packet one-way delay: 80.650 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 71.82 Mbit/s
95th percentile per-packet one-way delay: 80.650 ms
Loss rate: 0.04%
```

# Run 1: Report of Indigo-MusesT — Data Link

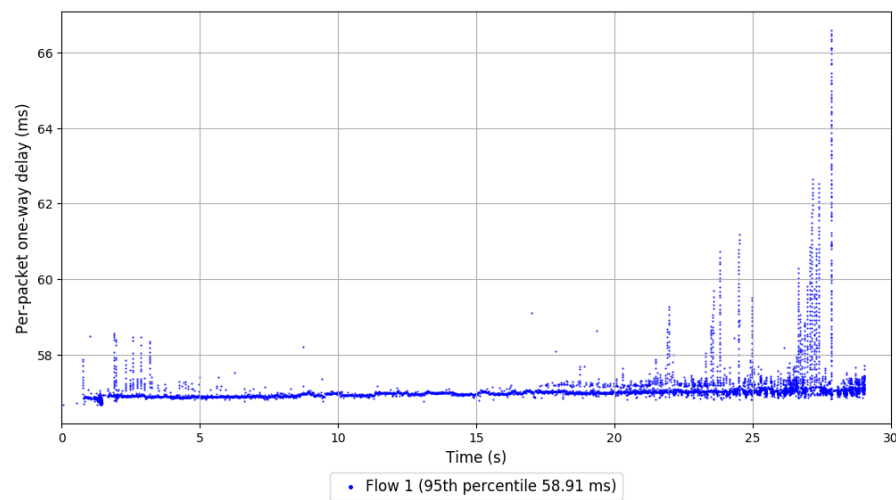
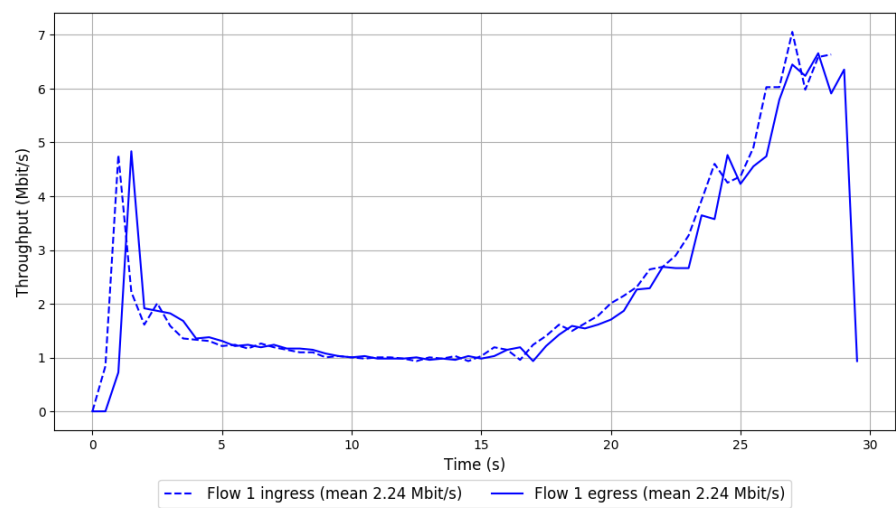


Run 2: Statistics of Indigo-MusesT

Start at: 2019-01-18 20:16:49  
End at: 2019-01-18 20:17:19  
Local clock offset: 8.279 ms  
Remote clock offset: -26.67 ms

# Below is generated by plot.py at 2019-01-18 22:15:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.24 Mbit/s  
95th percentile per-packet one-way delay: 58.909 ms  
Loss rate: 0.18%  
-- Flow 1:  
Average throughput: 2.24 Mbit/s  
95th percentile per-packet one-way delay: 58.909 ms  
Loss rate: 0.18%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

Start at: 2019-01-18 20:55:33

End at: 2019-01-18 20:56:03

Local clock offset: 0.216 ms

Remote clock offset: -7.625 ms

# Below is generated by plot.py at 2019-01-18 22:15:09

# Datalink statistics

-- Total of 1 flow:

Average throughput: 72.95 Mbit/s

95th percentile per-packet one-way delay: 69.220 ms

Loss rate: 0.04%

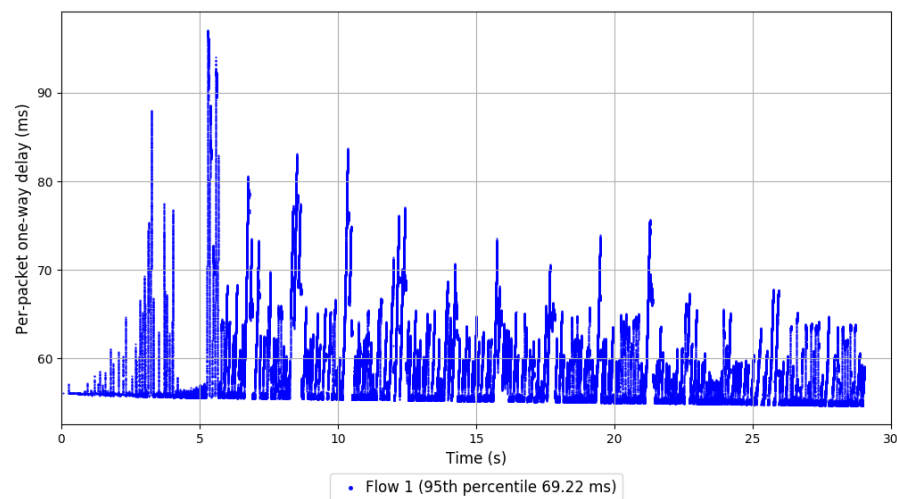
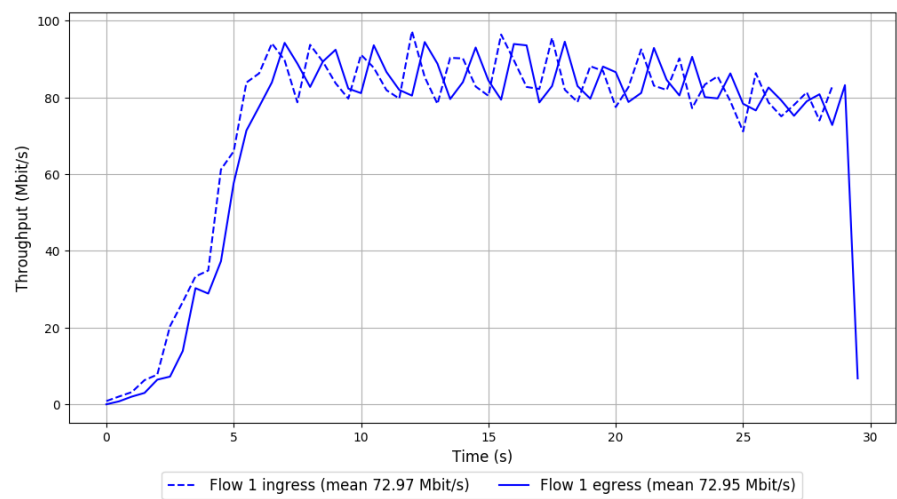
-- Flow 1:

Average throughput: 72.95 Mbit/s

95th percentile per-packet one-way delay: 69.220 ms

Loss rate: 0.04%

Run 3: Report of Indigo-MusesT — Data Link



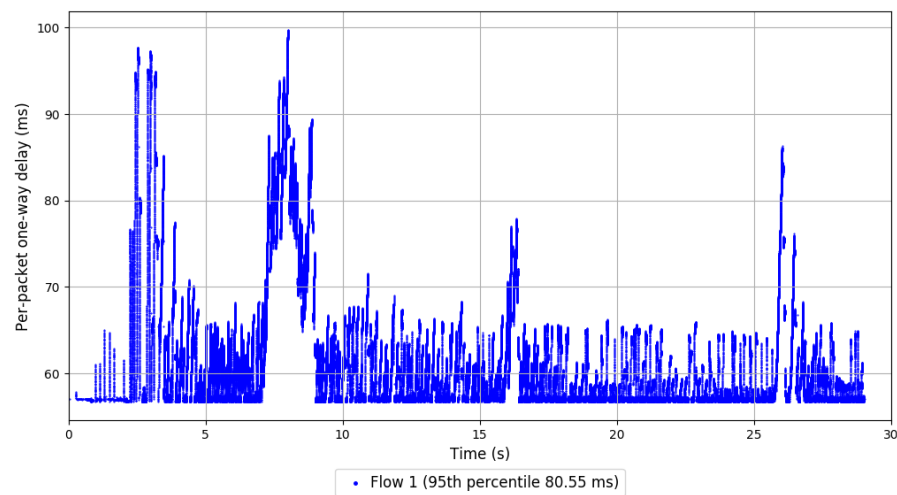
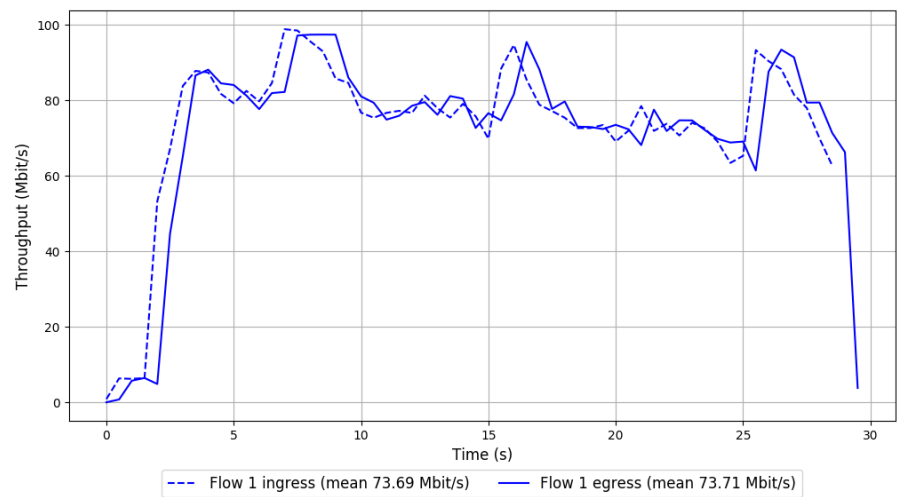


Run 4: Statistics of Indigo-MusesT

Start at: 2019-01-18 21:22:31  
End at: 2019-01-18 21:23:01  
Local clock offset: 1.87 ms  
Remote clock offset: 13.077 ms

# Below is generated by plot.py at 2019-01-18 22:15:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 73.71 Mbit/s  
95th percentile per-packet one-way delay: 80.553 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 73.71 Mbit/s  
95th percentile per-packet one-way delay: 80.553 ms  
Loss rate: 0.01%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-01-18 21:48:54

End at: 2019-01-18 21:49:24

Local clock offset: 3.025 ms

Remote clock offset: 5.15 ms

# Below is generated by plot.py at 2019-01-18 22:15:36

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.36 Mbit/s

95th percentile per-packet one-way delay: 111.961 ms

Loss rate: 0.22%

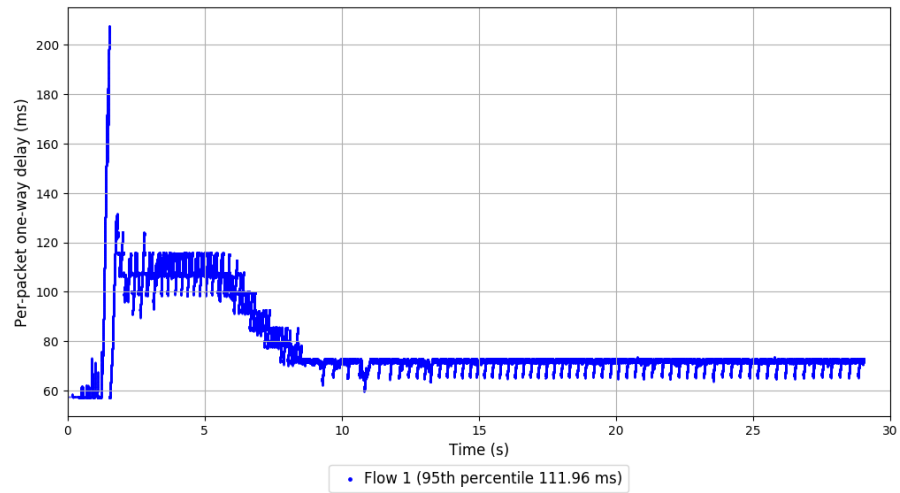
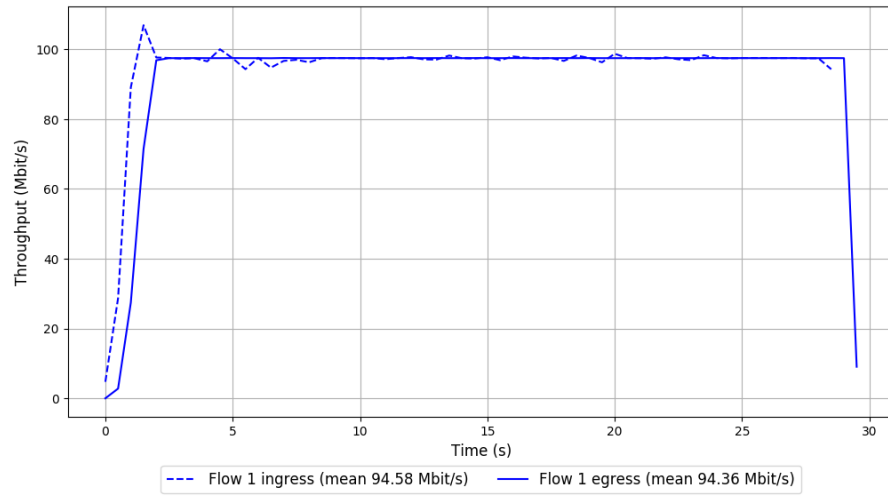
-- Flow 1:

Average throughput: 94.36 Mbit/s

95th percentile per-packet one-way delay: 111.961 ms

Loss rate: 0.22%

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

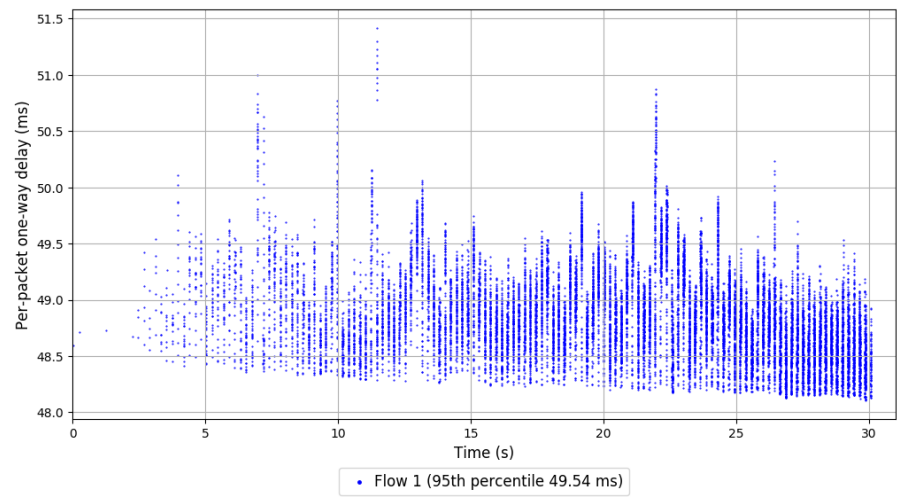
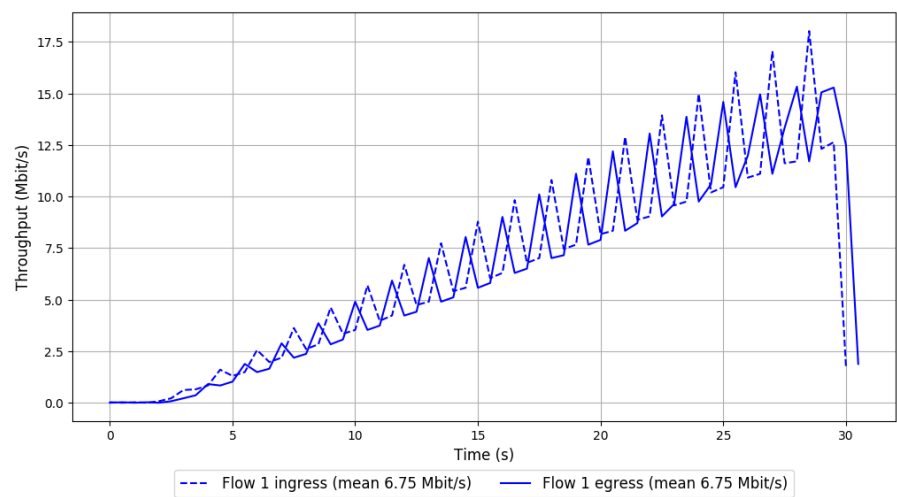


```
Run 1: Statistics of LEDBAT

Start at: 2019-01-18 18:50:50
End at: 2019-01-18 18:51:20
Local clock offset: -2.231 ms
Remote clock offset: 41.196 ms

# Below is generated by plot.py at 2019-01-18 22:15:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.75 Mbit/s
95th percentile per-packet one-way delay: 49.537 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.75 Mbit/s
95th percentile per-packet one-way delay: 49.537 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

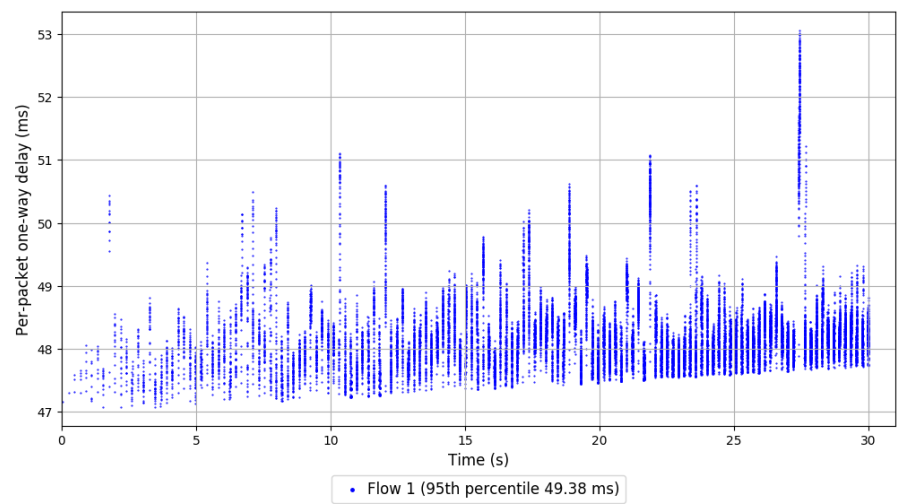
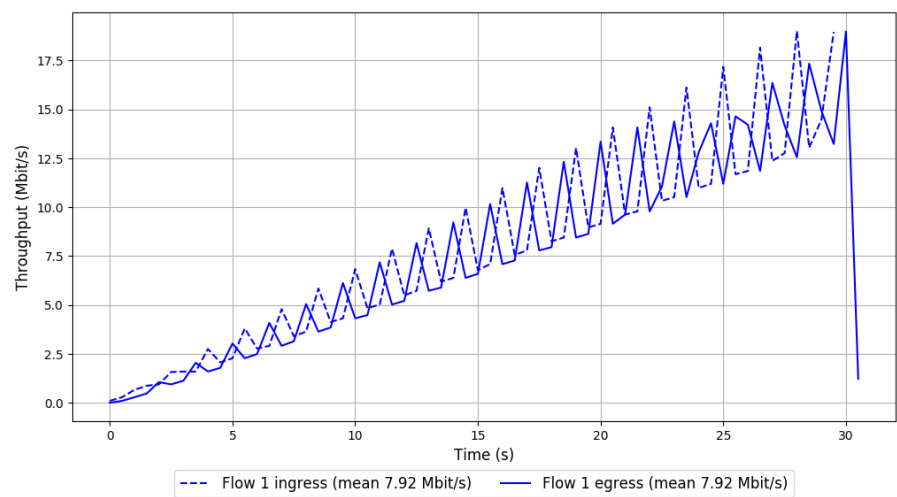


Run 2: Statistics of LEDBAT

Start at: 2019-01-18 20:13:36  
End at: 2019-01-18 20:14:06  
Local clock offset: 8.069 ms  
Remote clock offset: -23.246 ms

# Below is generated by plot.py at 2019-01-18 22:15:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 7.92 Mbit/s  
95th percentile per-packet one-way delay: 49.377 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 7.92 Mbit/s  
95th percentile per-packet one-way delay: 49.377 ms  
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



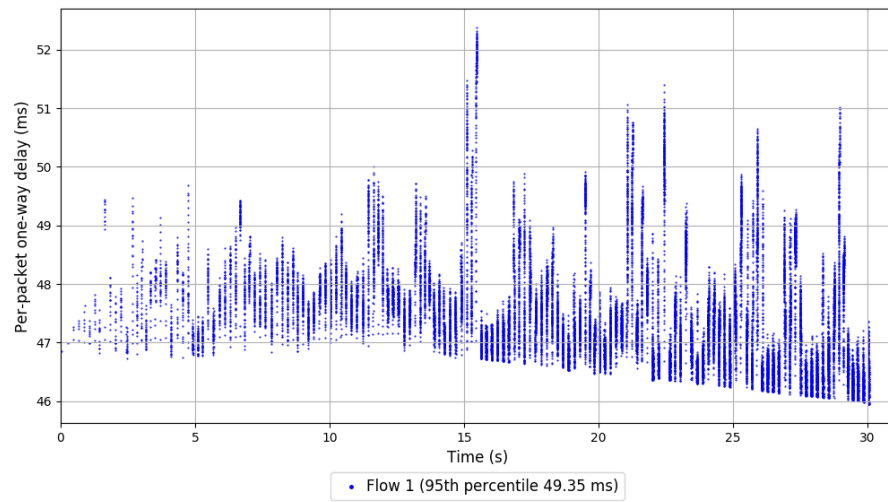
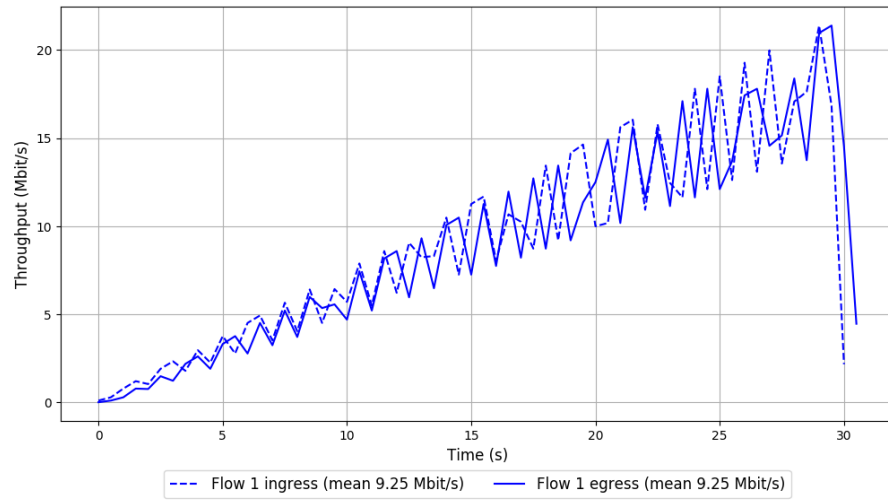


Run 3: Statistics of LEDBAT

Start at: 2019-01-18 20:52:57  
End at: 2019-01-18 20:53:27  
Local clock offset: 0.302 ms  
Remote clock offset: -13.879 ms

# Below is generated by plot.py at 2019-01-18 22:15:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 9.25 Mbit/s  
95th percentile per-packet one-way delay: 49.352 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 9.25 Mbit/s  
95th percentile per-packet one-way delay: 49.352 ms  
Loss rate: 0.00%

### Run 3: Report of LEDBAT — Data Link

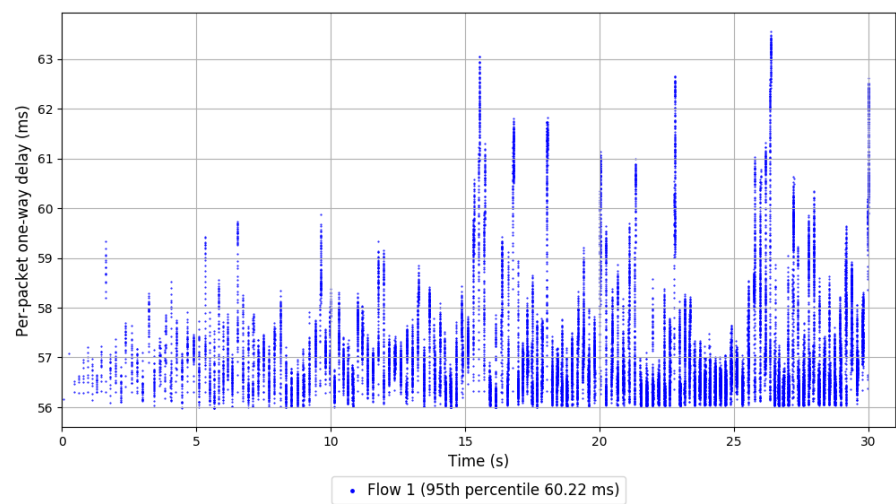
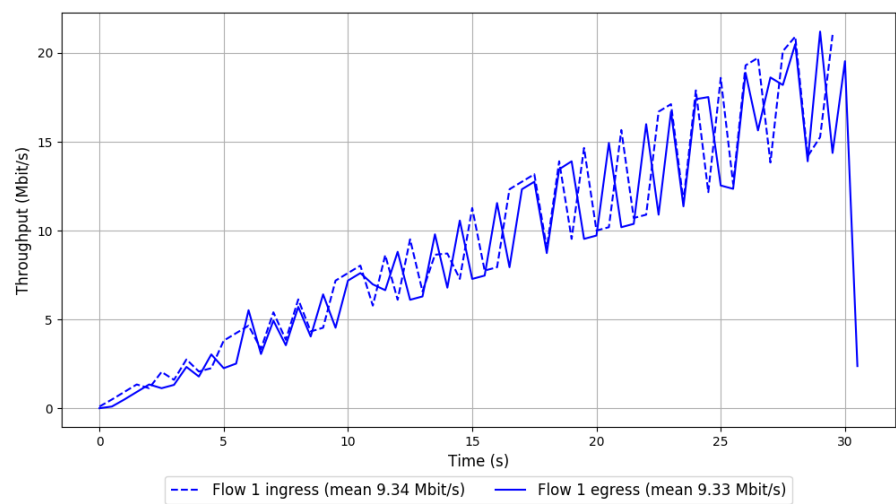


Run 4: Statistics of LEDBAT

Start at: 2019-01-18 21:20:04  
End at: 2019-01-18 21:20:34  
Local clock offset: 1.492 ms  
Remote clock offset: 12.373 ms

# Below is generated by plot.py at 2019-01-18 22:15:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 9.33 Mbit/s  
95th percentile per-packet one-way delay: 60.220 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 9.33 Mbit/s  
95th percentile per-packet one-way delay: 60.220 ms  
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2019-01-18 21:46:32

End at: 2019-01-18 21:47:02

Local clock offset: 4.07 ms

Remote clock offset: 4.669 ms

# Below is generated by plot.py at 2019-01-18 22:15:36

# Datalink statistics

-- Total of 1 flow:

Average throughput: 28.01 Mbit/s

95th percentile per-packet one-way delay: 58.612 ms

Loss rate: 0.01%

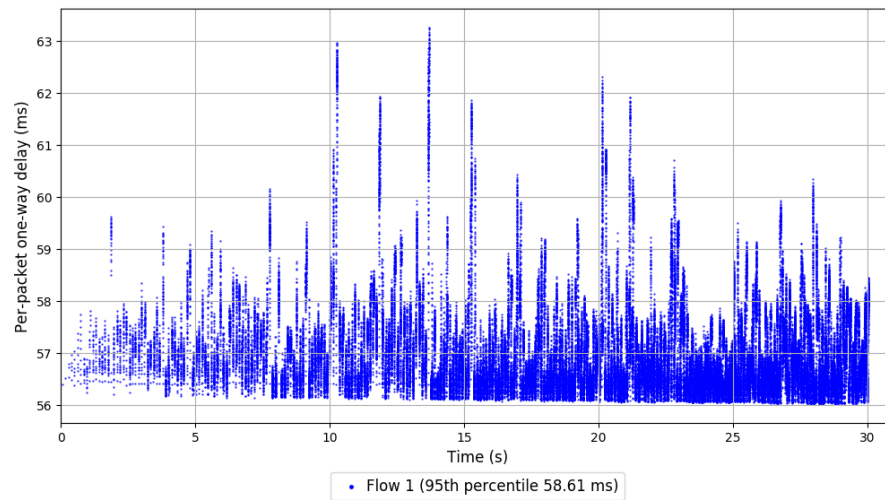
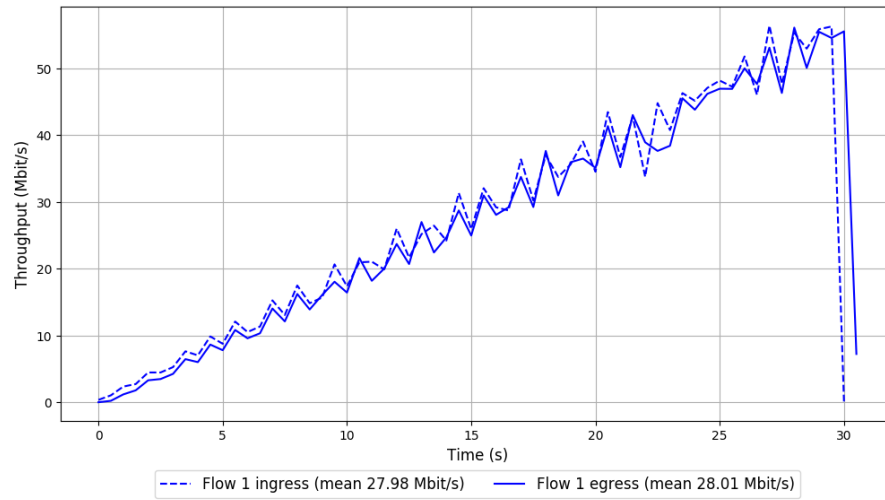
-- Flow 1:

Average throughput: 28.01 Mbit/s

95th percentile per-packet one-way delay: 58.612 ms

Loss rate: 0.01%

## Run 5: Report of LEDBAT — Data Link

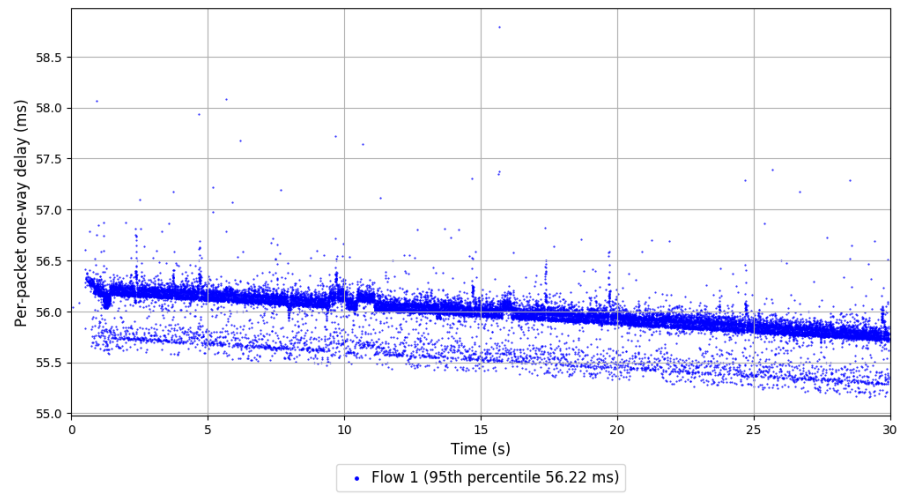
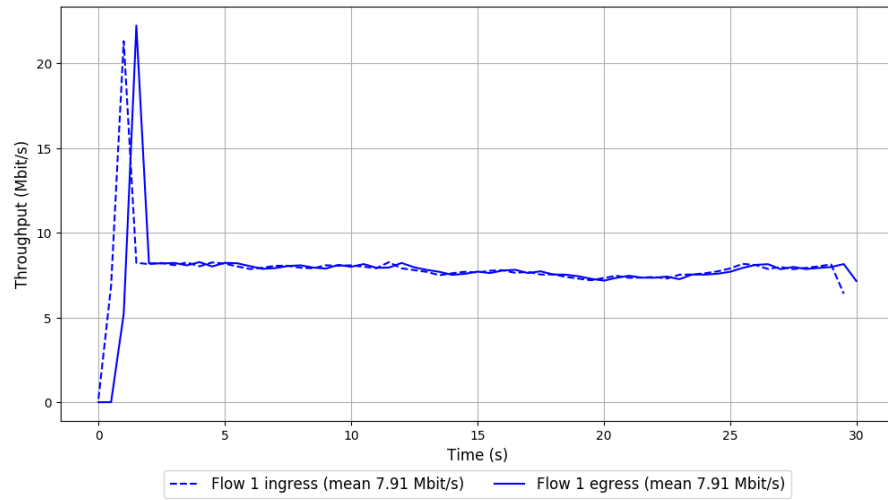


Run 1: Statistics of PCC-Allegro

Start at: 2019-01-18 19:16:51  
End at: 2019-01-18 19:17:22  
Local clock offset: 4.254 ms  
Remote clock offset: 61.161 ms

# Below is generated by plot.py at 2019-01-18 22:15:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 7.91 Mbit/s  
95th percentile per-packet one-way delay: 56.220 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 7.91 Mbit/s  
95th percentile per-packet one-way delay: 56.220 ms  
Loss rate: 0.03%

# Run 1: Report of PCC-Allegro — Data Link





Run 2: Statistics of PCC-Allegro

Start at: 2019-01-18 20:26:57

End at: 2019-01-18 20:27:27

Local clock offset: 2.719 ms

Remote clock offset: -12.6 ms

# Below is generated by plot.py at 2019-01-18 22:15:36

# Datalink statistics

-- Total of 1 flow:

Average throughput: 5.09 Mbit/s

95th percentile per-packet one-way delay: 56.698 ms

Loss rate: 0.03%

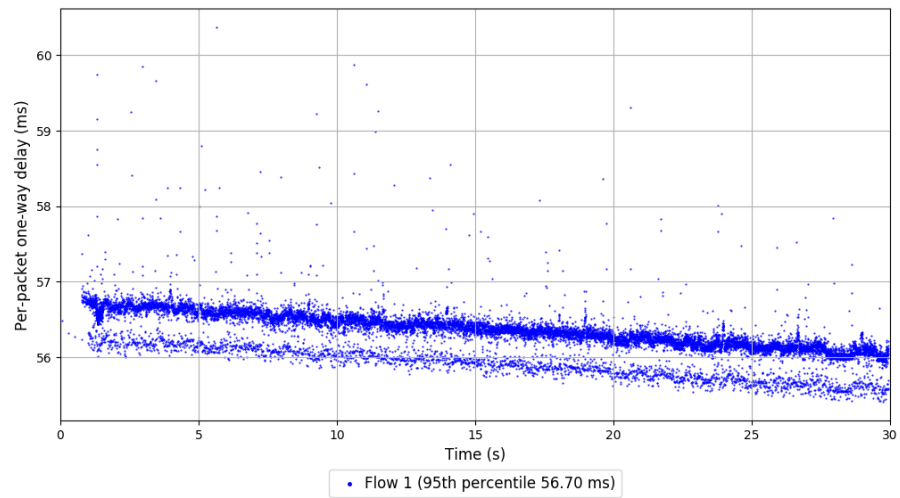
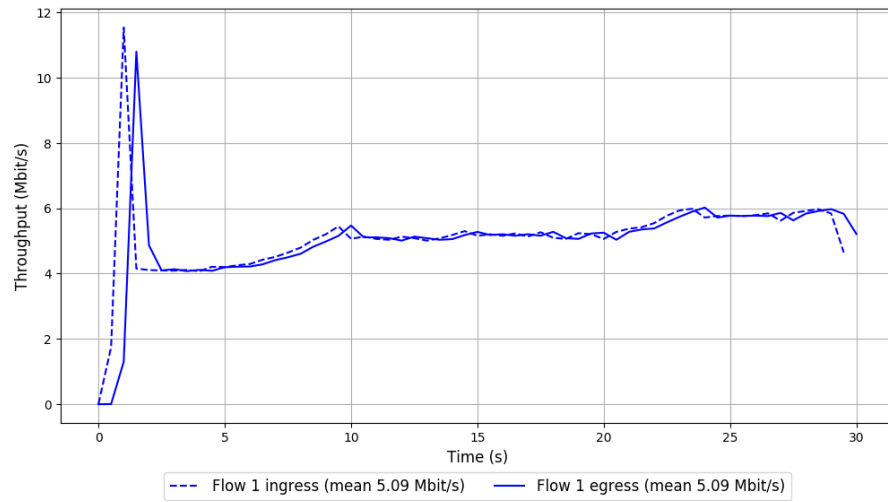
-- Flow 1:

Average throughput: 5.09 Mbit/s

95th percentile per-packet one-way delay: 56.698 ms

Loss rate: 0.03%

## Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-01-18 21:01:41

End at: 2019-01-18 21:02:11

Local clock offset: 0.412 ms

Remote clock offset: 3.935 ms

# Below is generated by plot.py at 2019-01-18 22:15:44

# Datalink statistics

-- Total of 1 flow:

Average throughput: 66.21 Mbit/s

95th percentile per-packet one-way delay: 48.877 ms

Loss rate: 1.88%

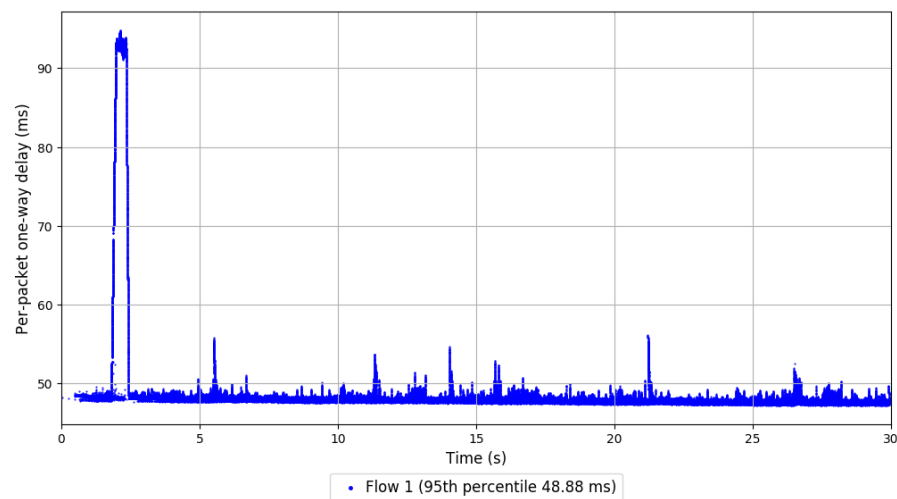
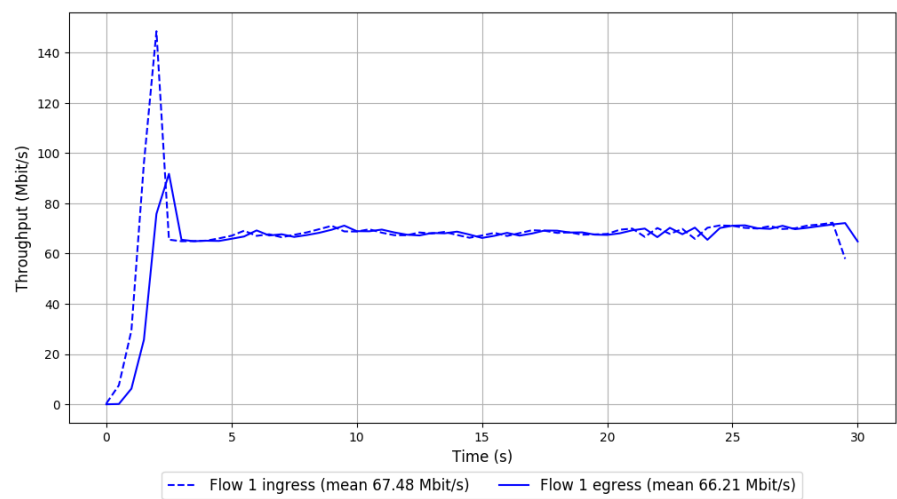
-- Flow 1:

Average throughput: 66.21 Mbit/s

95th percentile per-packet one-way delay: 48.877 ms

Loss rate: 1.88%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

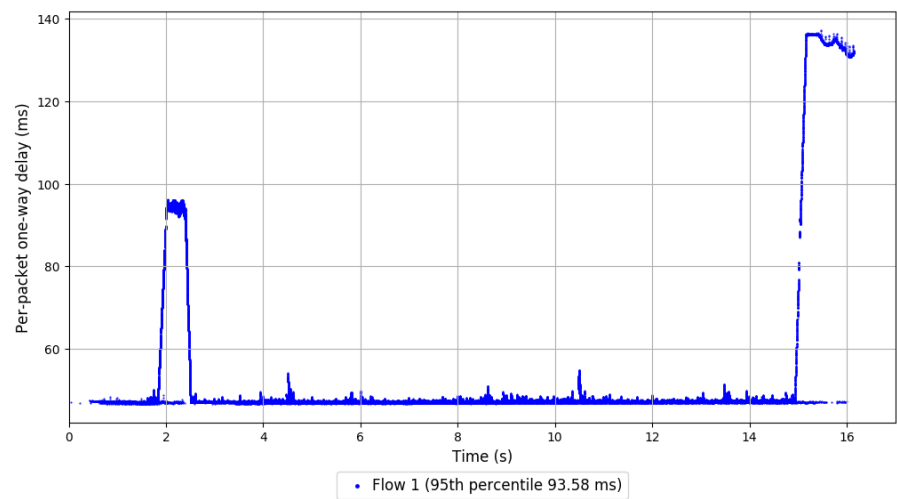
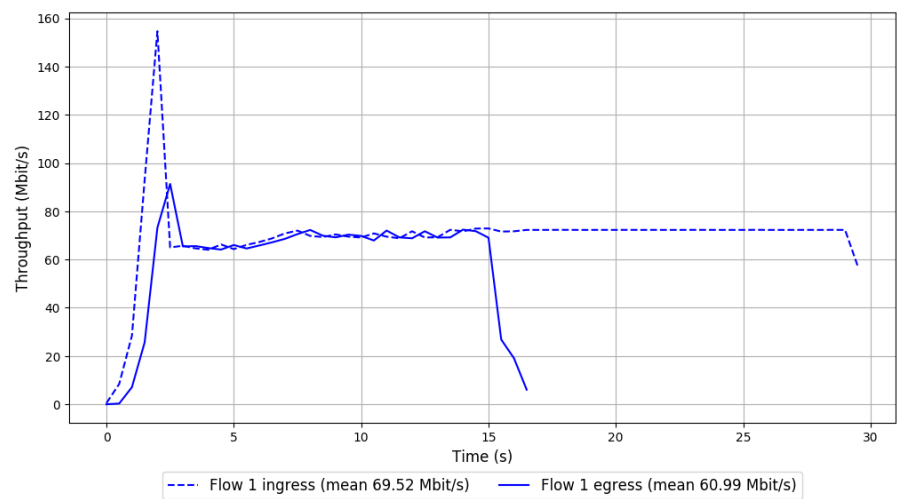
Start at: 2019-01-18 21:27:22

End at: 2019-01-18 21:27:52

Local clock offset: 2.632 ms

Remote clock offset: 13.298 ms

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

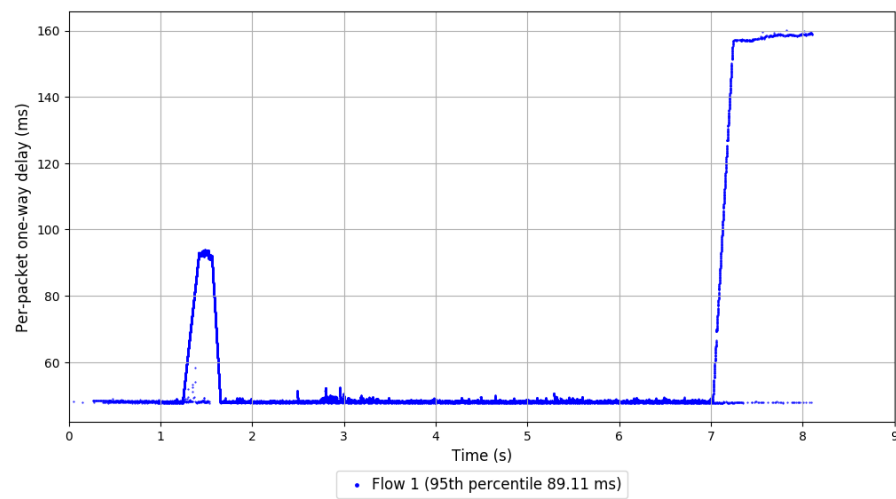
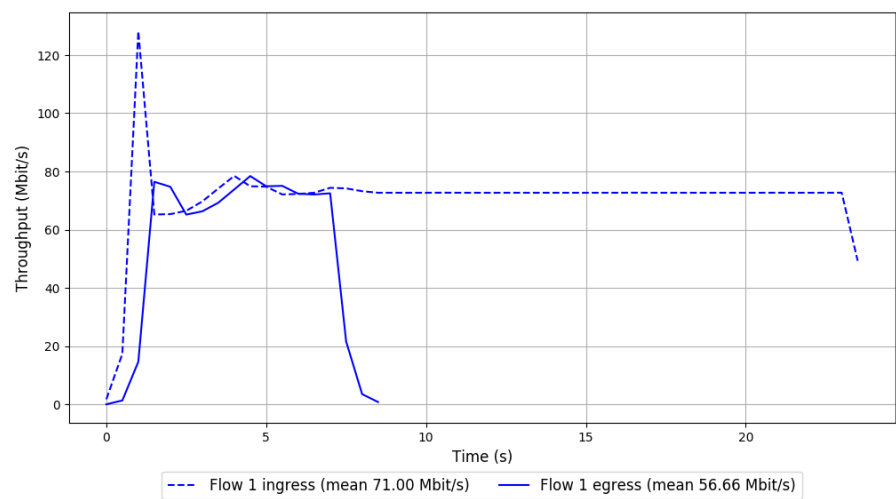
Start at: 2019-01-18 21:53:36

End at: 2019-01-18 21:54:06

Local clock offset: 1.483 ms

Remote clock offset: 4.338 ms

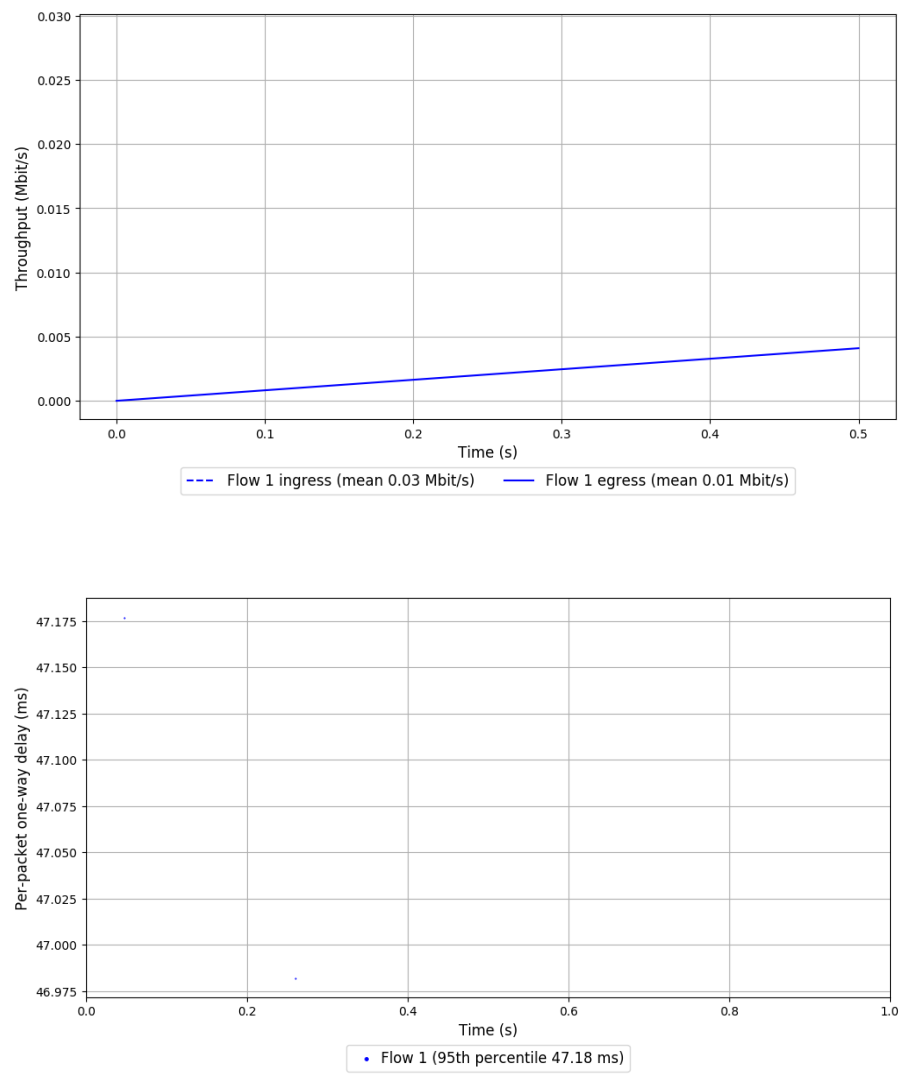
Run 5: Report of PCC-Allegro — Data Link





Run 1: Statistics of PCC-Expr  
  
Start at: 2019-01-18 20:10:52  
End at: 2019-01-18 20:11:22  
Local clock offset: 8.035 ms  
Remote clock offset: -18.651 ms

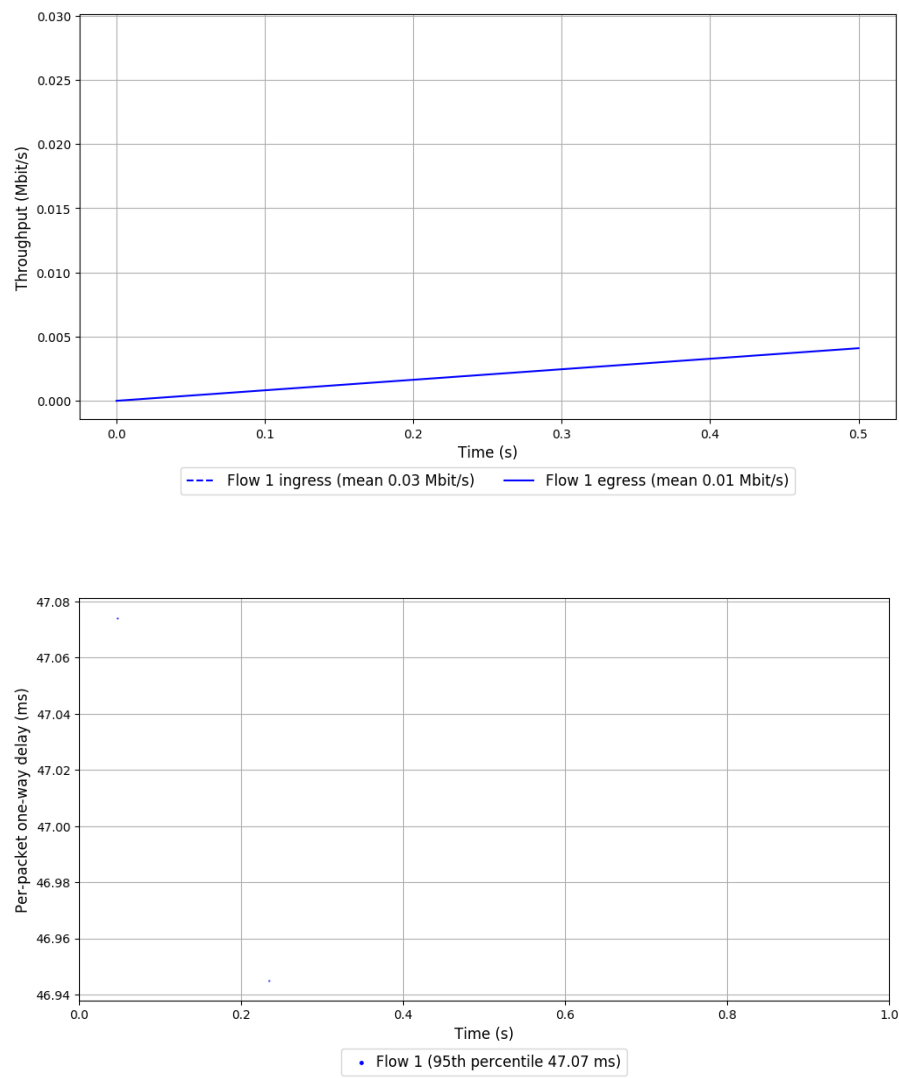
Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2019-01-18 20:50:29  
End at: 2019-01-18 20:50:59  
Local clock offset: -0.073 ms  
Remote clock offset: -12.569 ms

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

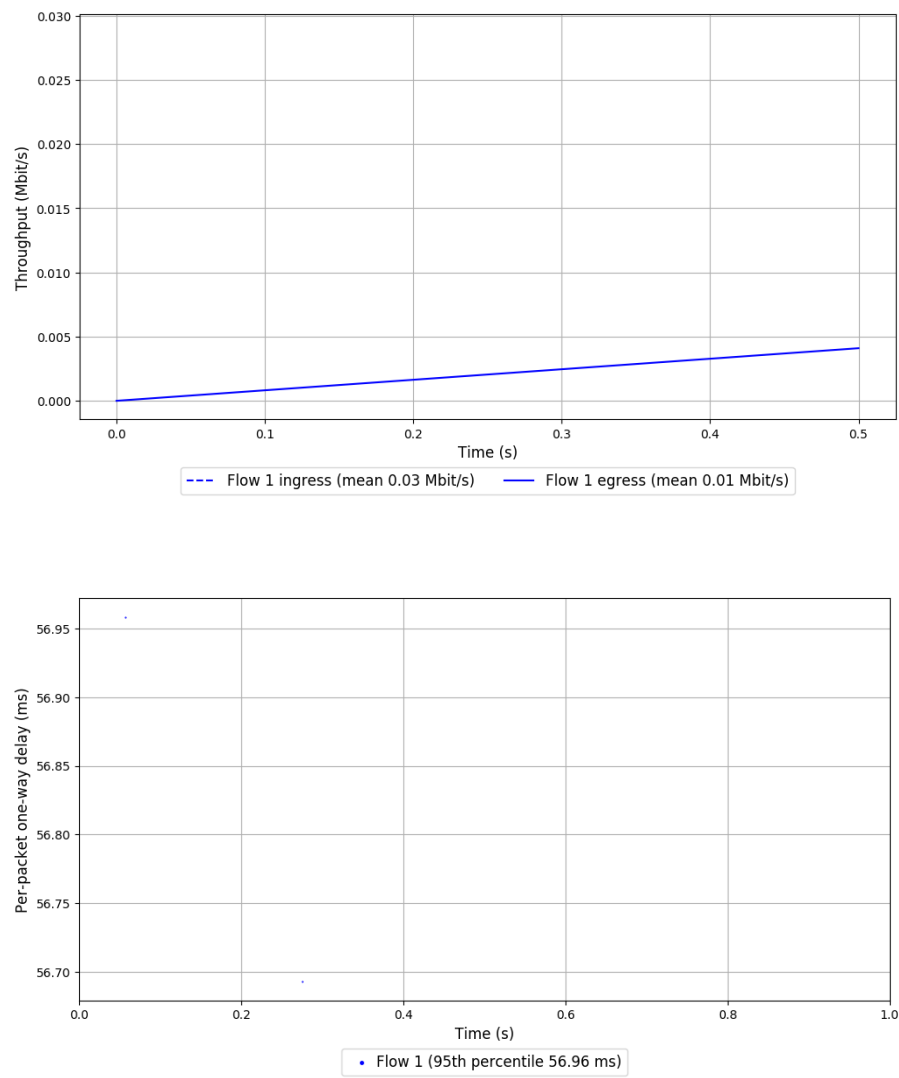
Start at: 2019-01-18 21:17:43

End at: 2019-01-18 21:18:13

Local clock offset: 0.715 ms

Remote clock offset: 12.658 ms

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

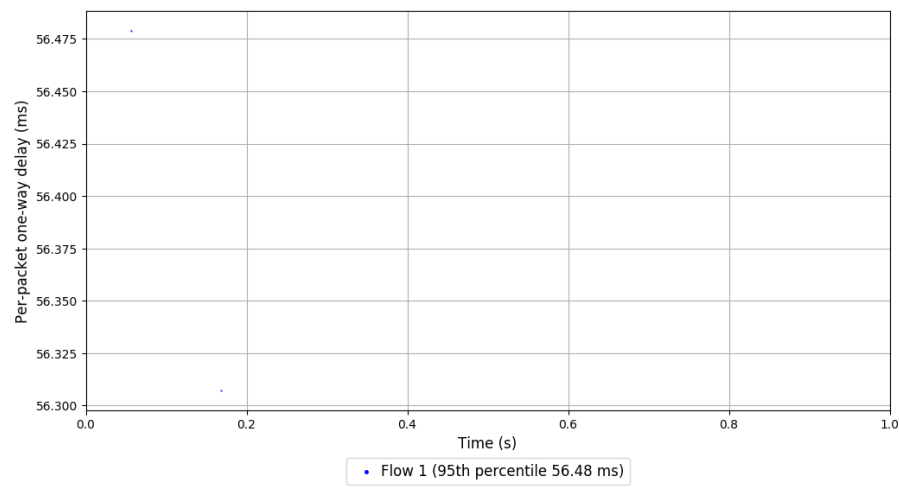
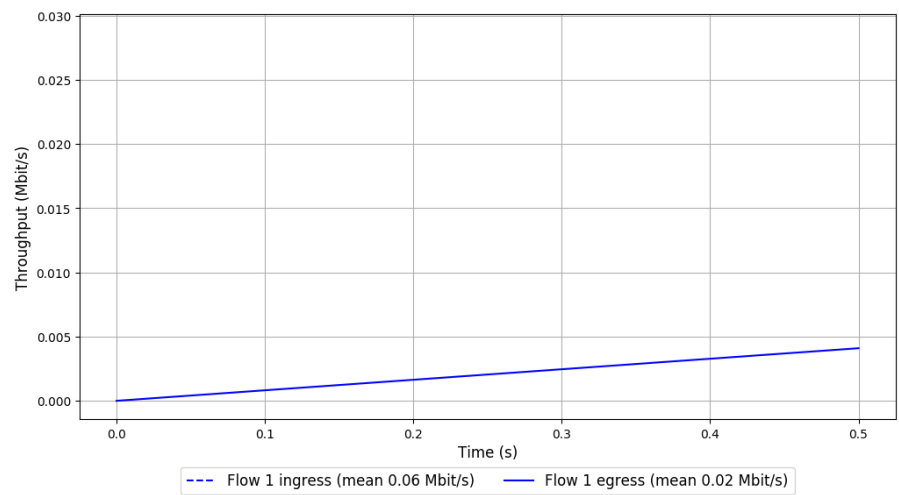
Start at: 2019-01-18 21:44:15

End at: 2019-01-18 21:44:45

Local clock offset: 3.918 ms

Remote clock offset: 5.08 ms

Run 4: Report of PCC-Expr — Data Link





Run 5: Statistics of PCC-Expr

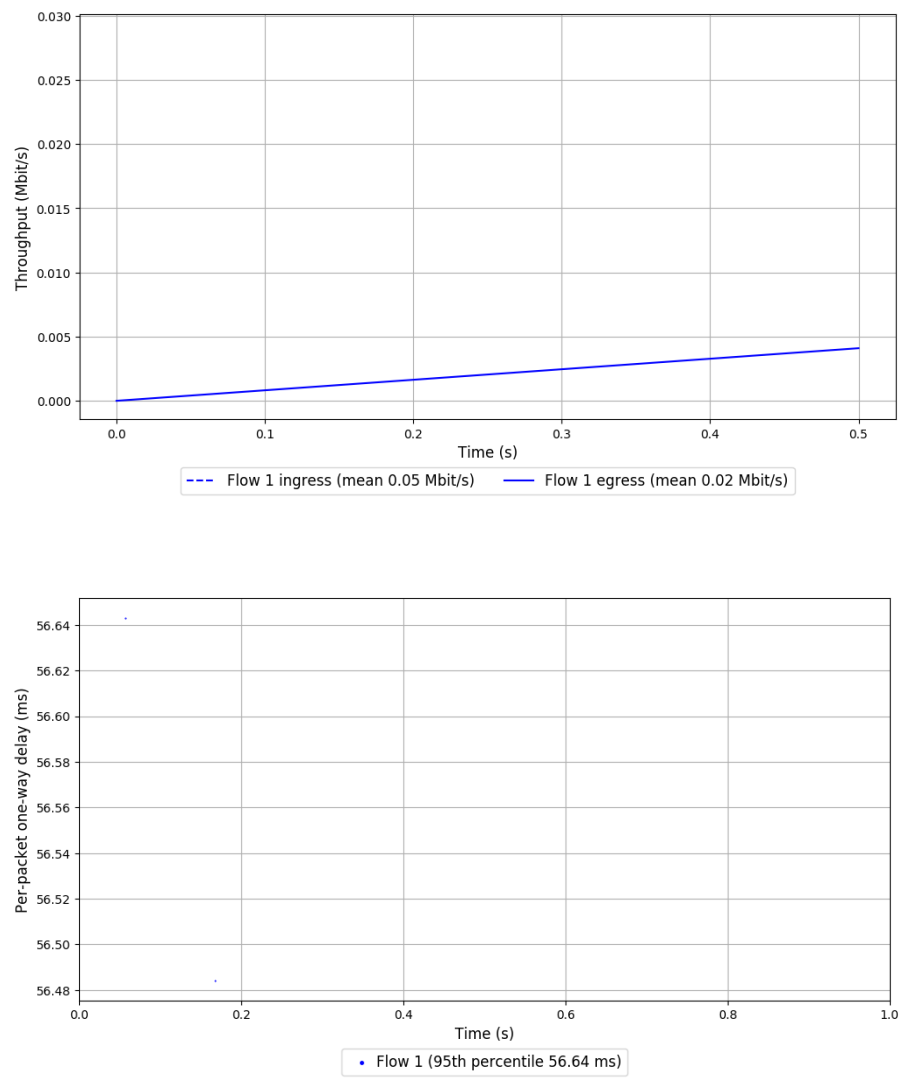
Start at: 2019-01-18 22:10:15

End at: 2019-01-18 22:10:45

Local clock offset: -0.58 ms

Remote clock offset: 2.255 ms

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-01-18 19:29:26

End at: 2019-01-18 19:29:56

Local clock offset: 5.124 ms

Remote clock offset: 66.694 ms

# Below is generated by plot.py at 2019-01-18 22:15:44

# Datalink statistics

-- Total of 1 flow:

Average throughput: 32.09 Mbit/s

95th percentile per-packet one-way delay: 45.954 ms

Loss rate: 0.00%

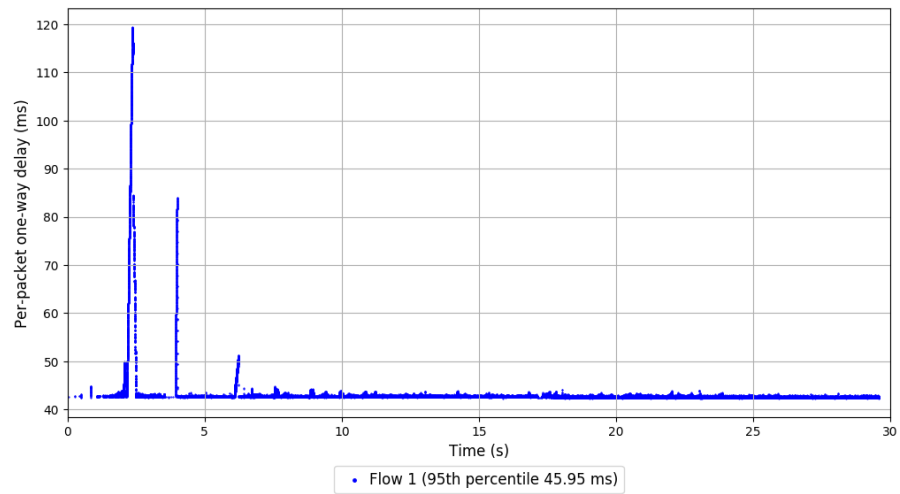
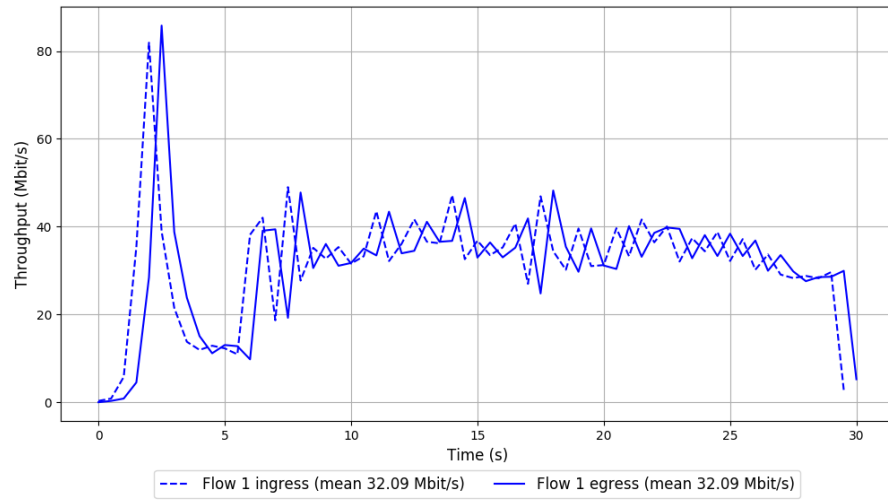
-- Flow 1:

Average throughput: 32.09 Mbit/s

95th percentile per-packet one-way delay: 45.954 ms

Loss rate: 0.00%

## Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-01-18 20:34:30

End at: 2019-01-18 20:35:00

Local clock offset: 0.875 ms

Remote clock offset: -8.36 ms

# Below is generated by plot.py at 2019-01-18 22:15:49

# Datalink statistics

-- Total of 1 flow:

Average throughput: 45.17 Mbit/s

95th percentile per-packet one-way delay: 56.439 ms

Loss rate: 0.00%

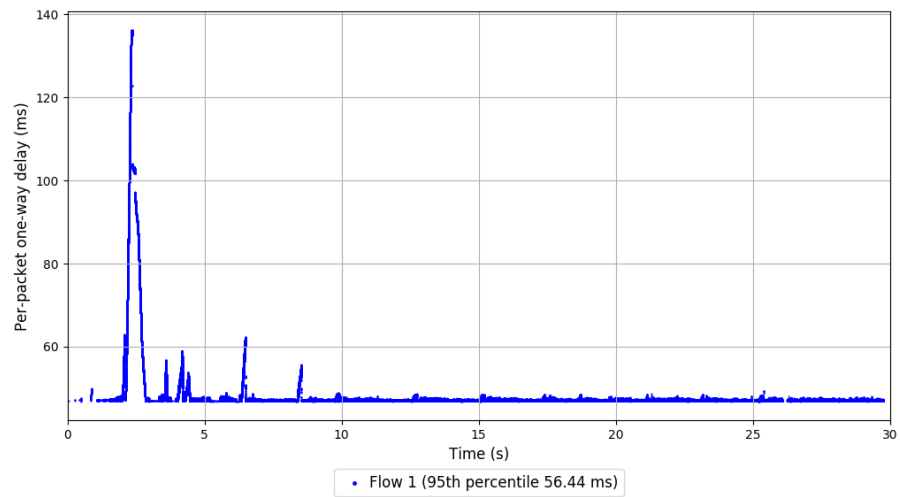
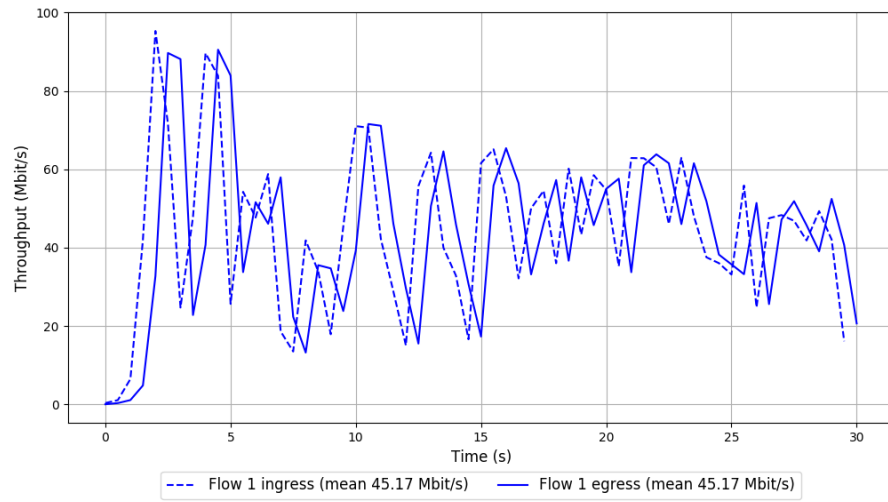
-- Flow 1:

Average throughput: 45.17 Mbit/s

95th percentile per-packet one-way delay: 56.439 ms

Loss rate: 0.00%

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



Run 3: Statistics of QUIC Cubic

Start at: 2019-01-18 21:06:36

End at: 2019-01-18 21:07:06

Local clock offset: 0.487 ms

Remote clock offset: 8.391 ms

# Below is generated by plot.py at 2019-01-18 22:16:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 66.96 Mbit/s

95th percentile per-packet one-way delay: 48.268 ms

Loss rate: 0.00%

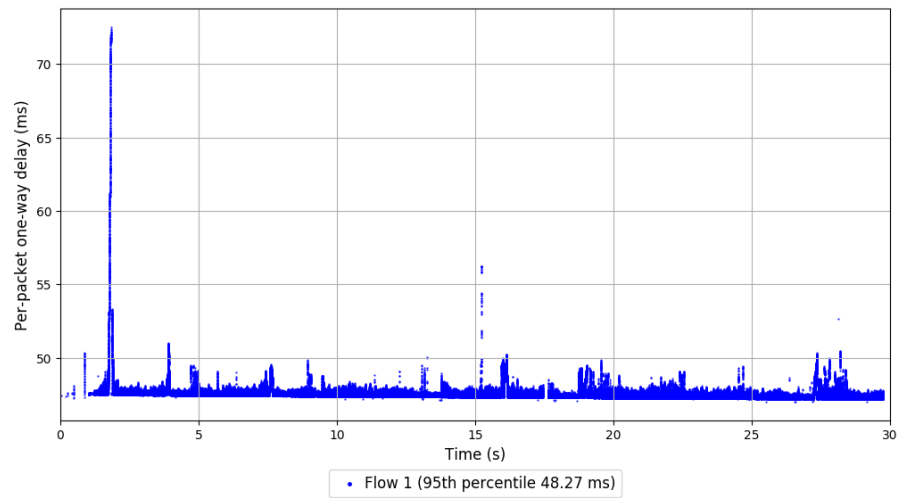
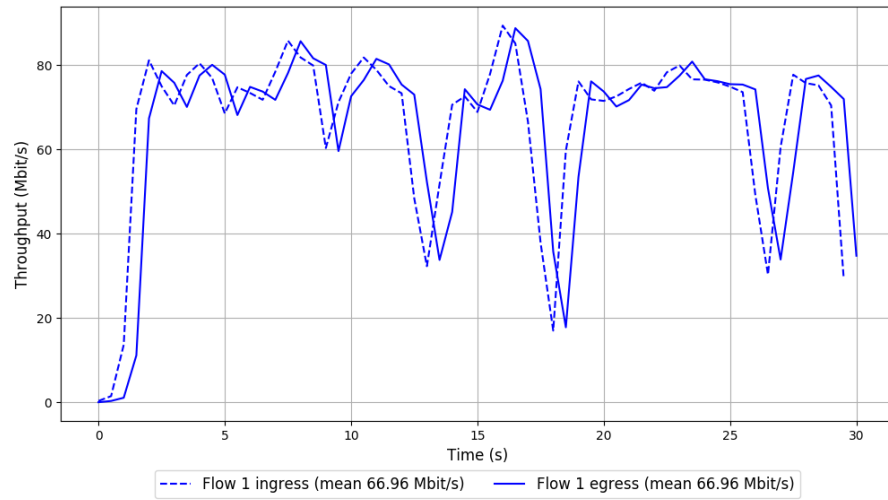
-- Flow 1:

Average throughput: 66.96 Mbit/s

95th percentile per-packet one-way delay: 48.268 ms

Loss rate: 0.00%

### Run 3: Report of QUIC Cubic — Data Link





Run 4: Statistics of QUIC Cubic

Start at: 2019-01-18 21:33:04

End at: 2019-01-18 21:33:34

Local clock offset: 3.279 ms

Remote clock offset: 9.381 ms

# Below is generated by plot.py at 2019-01-18 22:16:11

# Datalink statistics

-- Total of 1 flow:

Average throughput: 63.96 Mbit/s

95th percentile per-packet one-way delay: 90.283 ms

Loss rate: 0.03%

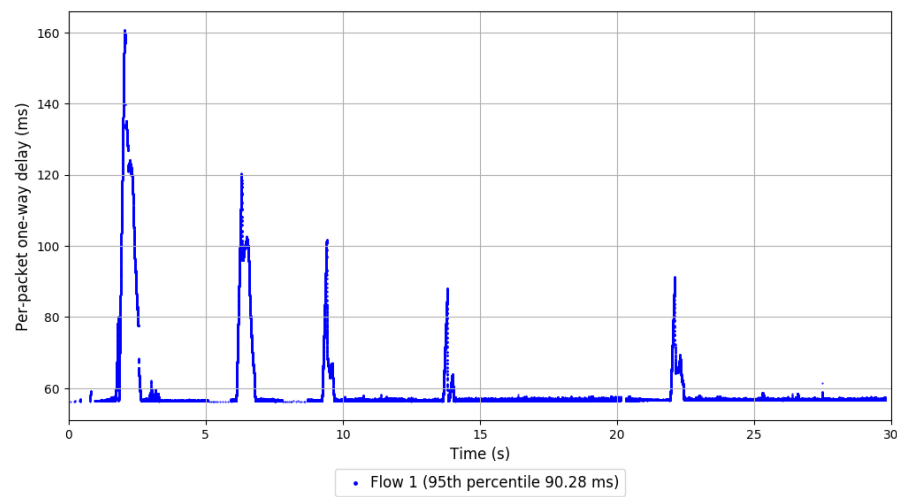
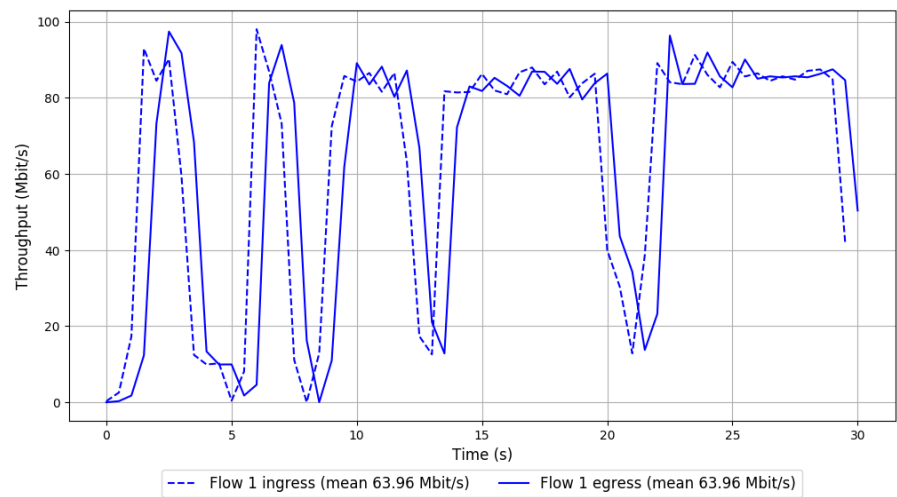
-- Flow 1:

Average throughput: 63.96 Mbit/s

95th percentile per-packet one-way delay: 90.283 ms

Loss rate: 0.03%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-01-18 21:58:38

End at: 2019-01-18 21:59:08

Local clock offset: 0.665 ms

Remote clock offset: 3.022 ms

# Below is generated by plot.py at 2019-01-18 22:16:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 61.61 Mbit/s

95th percentile per-packet one-way delay: 106.722 ms

Loss rate: 0.04%

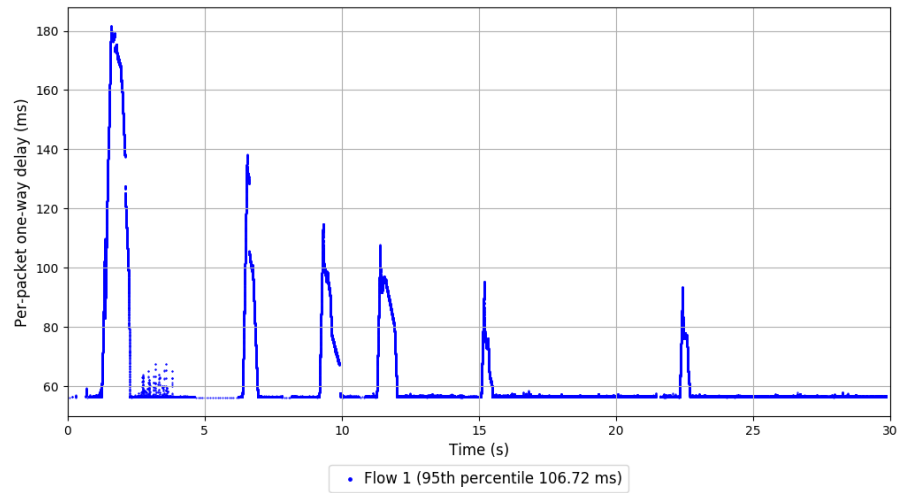
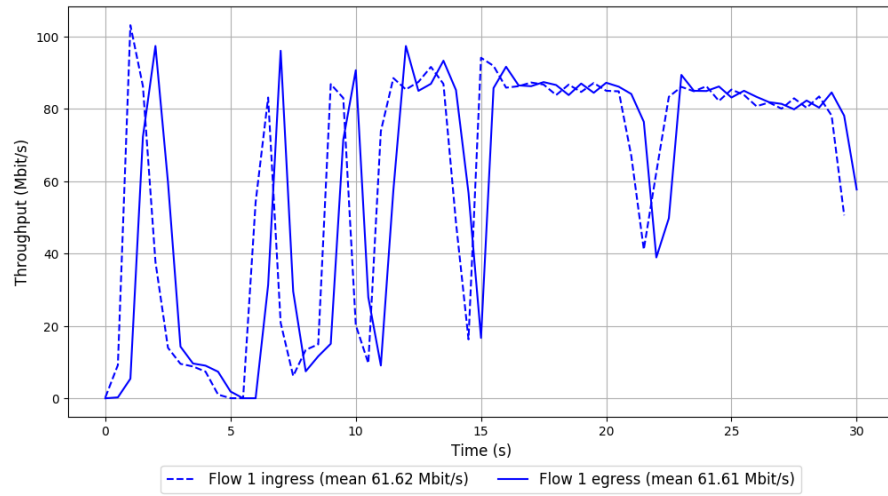
-- Flow 1:

Average throughput: 61.61 Mbit/s

95th percentile per-packet one-way delay: 106.722 ms

Loss rate: 0.04%

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

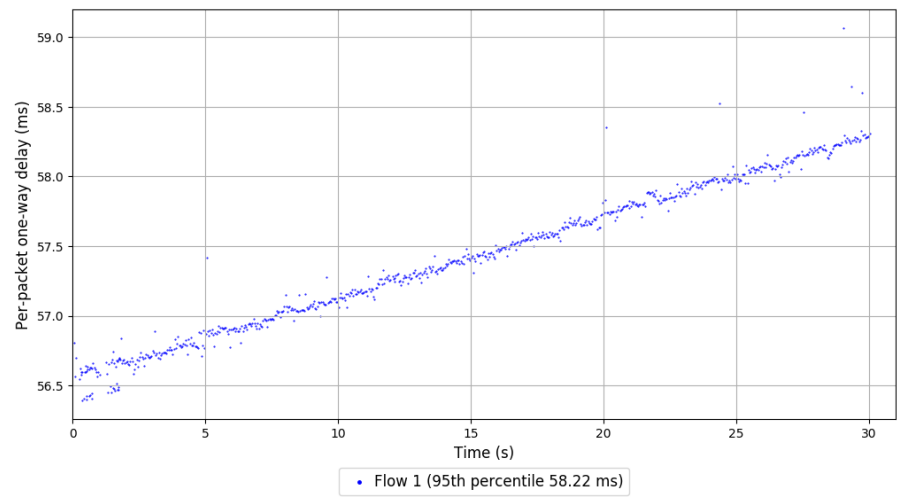
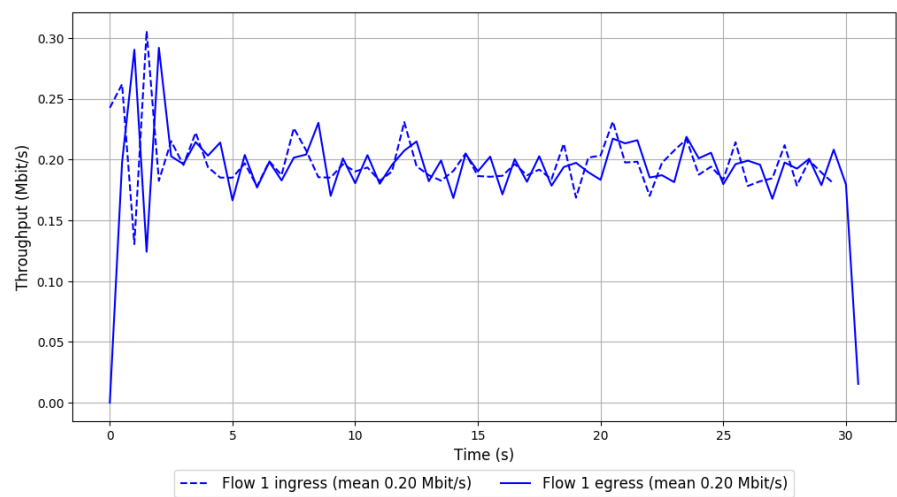


Run 1: Statistics of SCReAM

Start at: 2019-01-18 19:55:40  
End at: 2019-01-18 19:56:10  
Local clock offset: 7.002 ms  
Remote clock offset: 15.411 ms

# Below is generated by plot.py at 2019-01-18 22:16:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.20 Mbit/s  
95th percentile per-packet one-way delay: 58.220 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.20 Mbit/s  
95th percentile per-packet one-way delay: 58.220 ms  
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

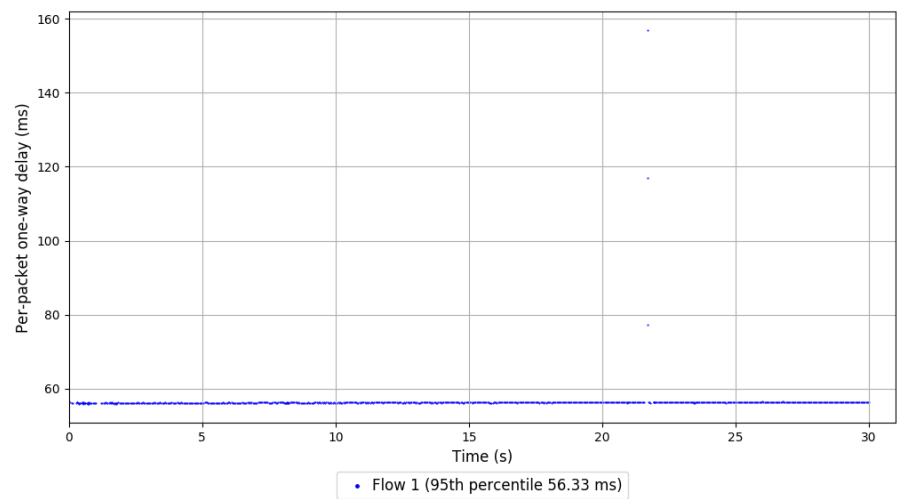
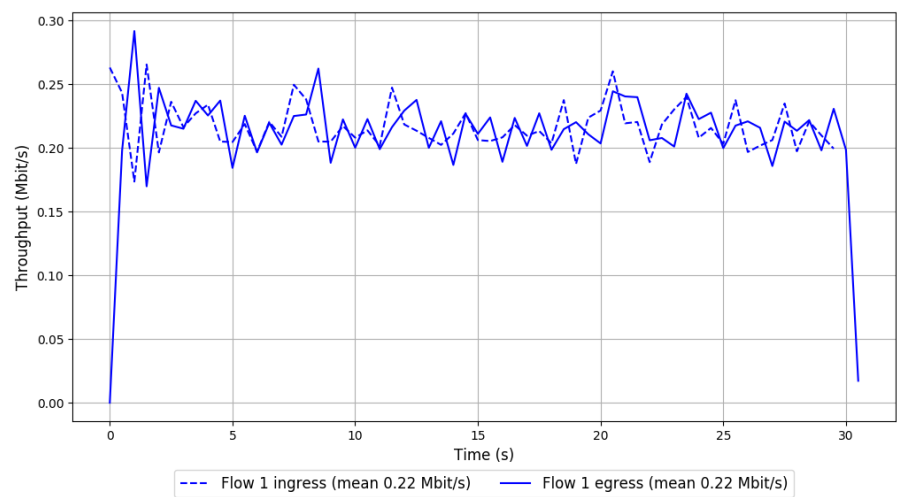


Run 2: Statistics of SCReAM

Start at: 2019-01-18 20:46:13  
End at: 2019-01-18 20:46:43  
Local clock offset: -0.219 ms  
Remote clock offset: -10.942 ms

# Below is generated by plot.py at 2019-01-18 22:16:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 56.329 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 56.329 ms  
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



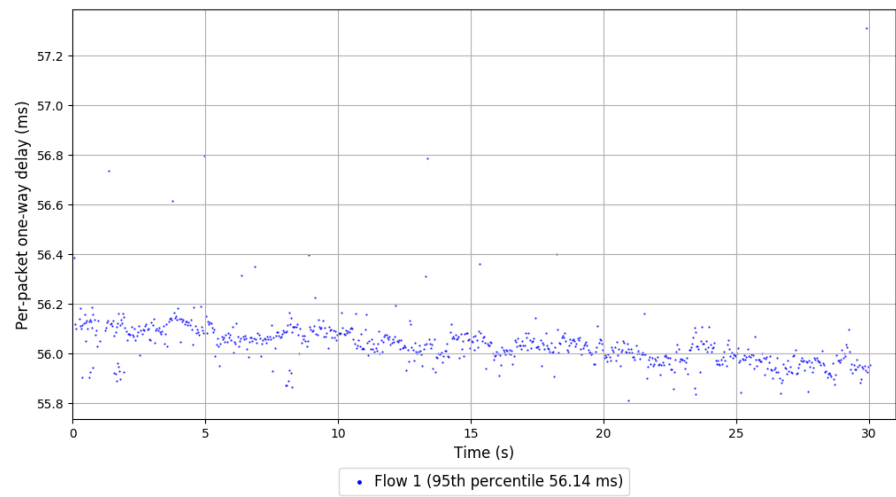
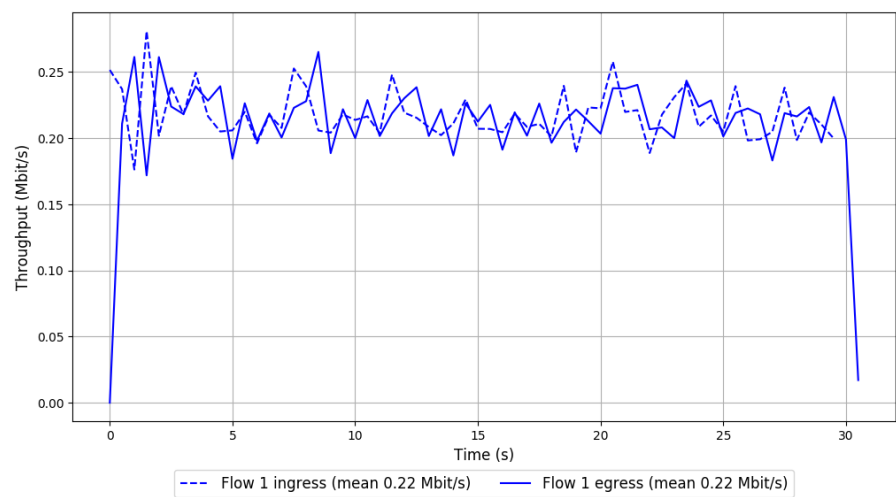


Run 3: Statistics of SCReAM

Start at: 2019-01-18 21:14:08  
End at: 2019-01-18 21:14:38  
Local clock offset: 0.442 ms  
Remote clock offset: 11.264 ms

# Below is generated by plot.py at 2019-01-18 22:16:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 56.139 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 56.139 ms  
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2019-01-18 21:40:16

End at: 2019-01-18 21:40:46

Local clock offset: 3.476 ms

Remote clock offset: 6.027 ms

# Below is generated by plot.py at 2019-01-18 22:16:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 47.660 ms

Loss rate: 0.00%

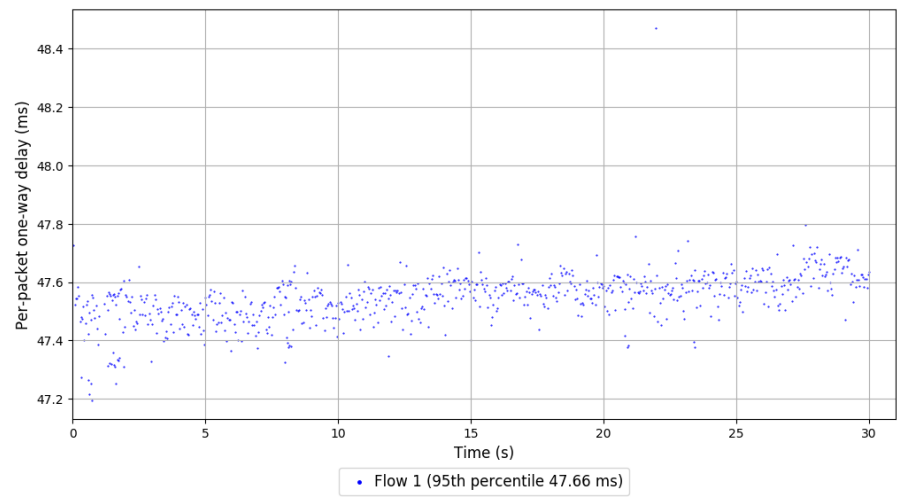
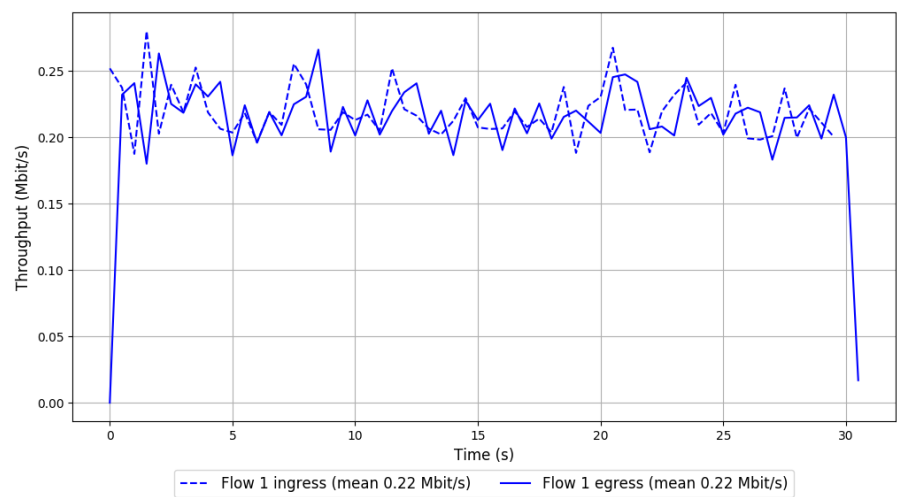
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 47.660 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2019-01-18 22:05:52

End at: 2019-01-18 22:06:22

Local clock offset: -0.058 ms

Remote clock offset: 2.603 ms

# Below is generated by plot.py at 2019-01-18 22:16:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 56.867 ms

Loss rate: 0.00%

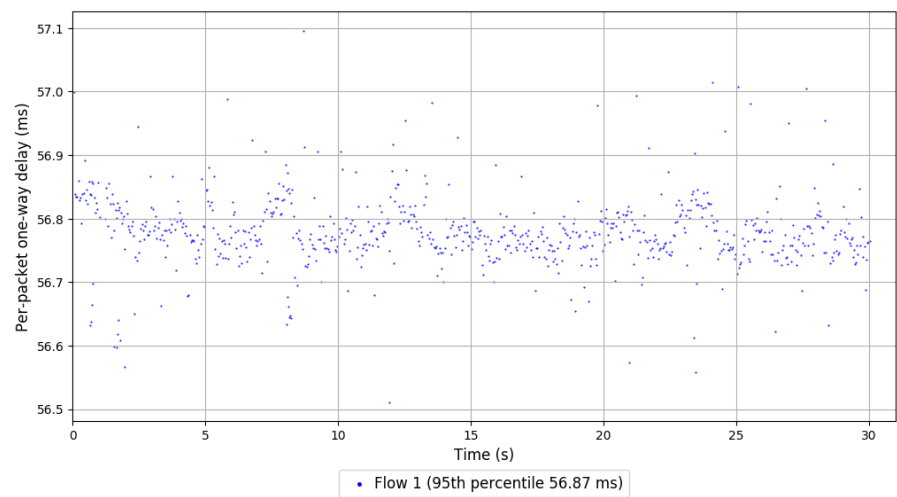
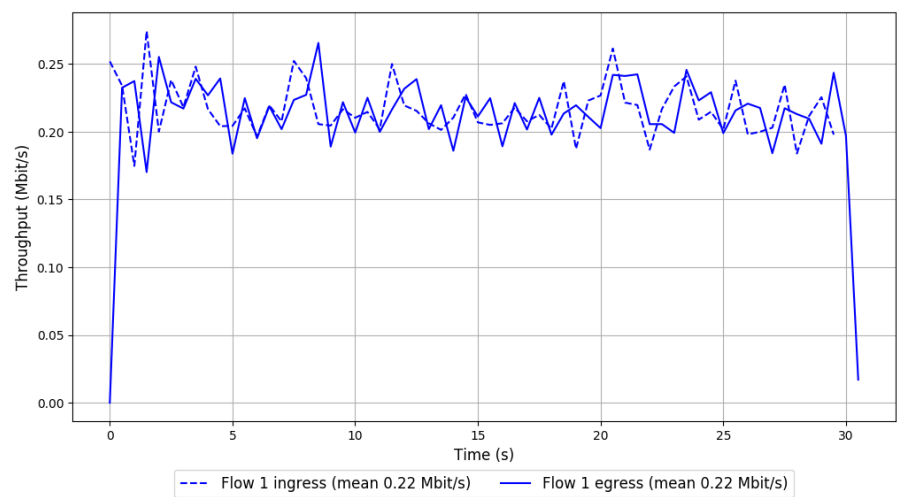
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 56.867 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

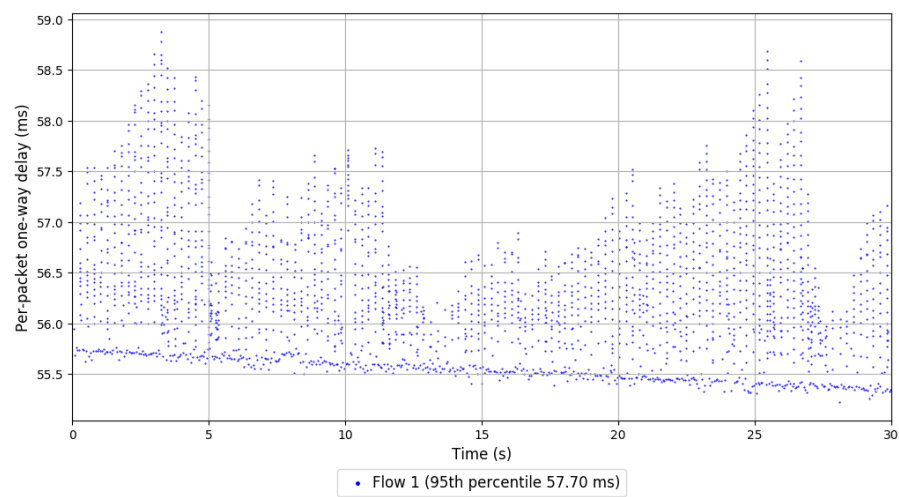
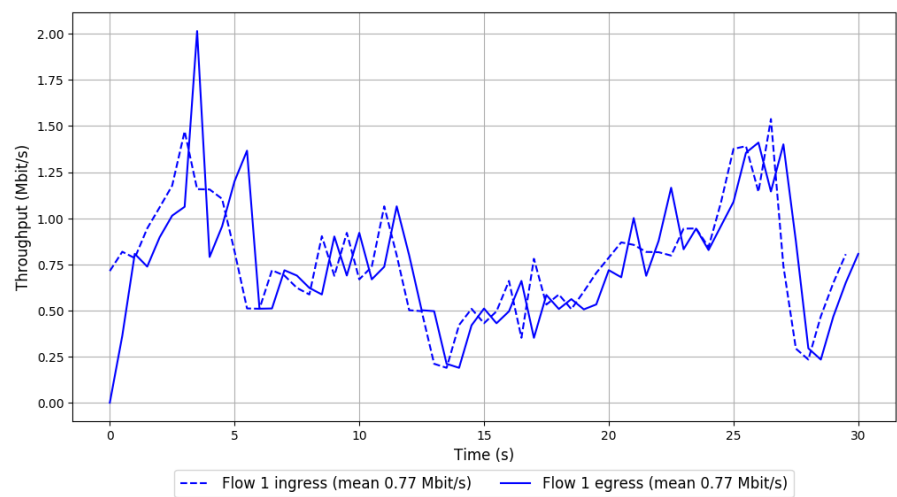


Run 1: Statistics of Sprout

Start at: 2019-01-18 19:19:50  
End at: 2019-01-18 19:20:20  
Local clock offset: 4.693 ms  
Remote clock offset: 64.165 ms

# Below is generated by plot.py at 2019-01-18 22:16:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.77 Mbit/s  
95th percentile per-packet one-way delay: 57.696 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.77 Mbit/s  
95th percentile per-packet one-way delay: 57.696 ms  
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



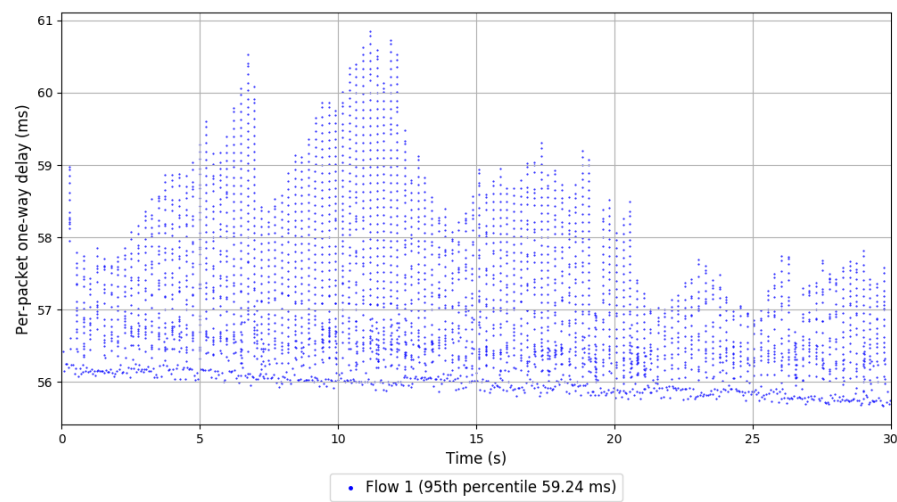
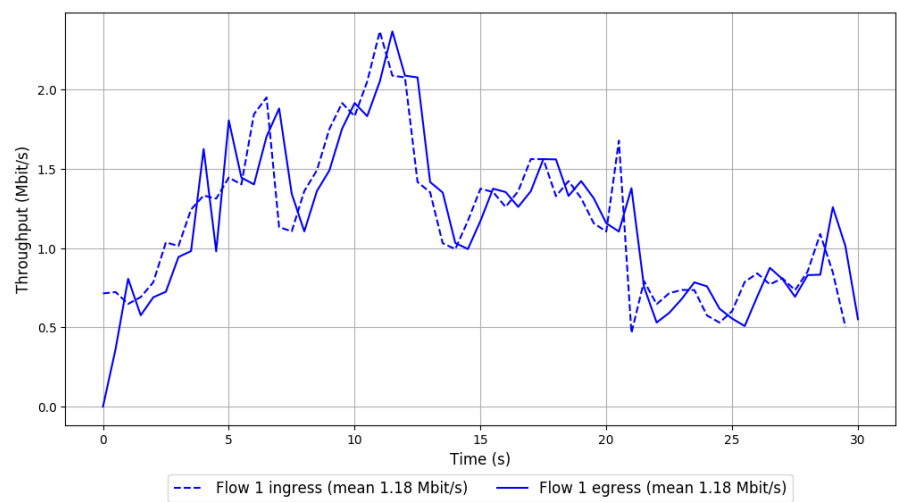


Run 2: Statistics of Sprout

Start at: 2019-01-18 20:29:28  
End at: 2019-01-18 20:29:58  
Local clock offset: 1.908 ms  
Remote clock offset: -10.499 ms

# Below is generated by plot.py at 2019-01-18 22:16:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.18 Mbit/s  
95th percentile per-packet one-way delay: 59.237 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.18 Mbit/s  
95th percentile per-packet one-way delay: 59.237 ms  
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2019-01-18 21:04:13

End at: 2019-01-18 21:04:43

Local clock offset: 0.502 ms

Remote clock offset: 5.787 ms

# Below is generated by plot.py at 2019-01-18 22:16:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.51 Mbit/s

95th percentile per-packet one-way delay: 50.149 ms

Loss rate: 0.00%

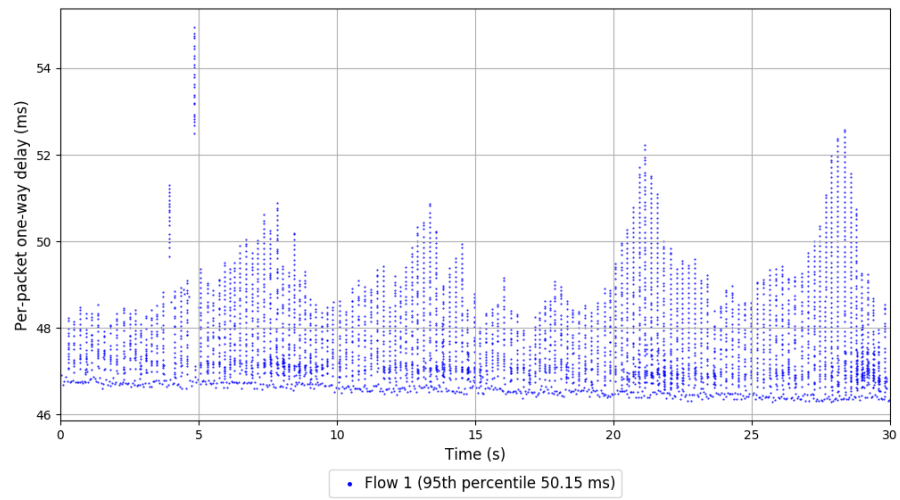
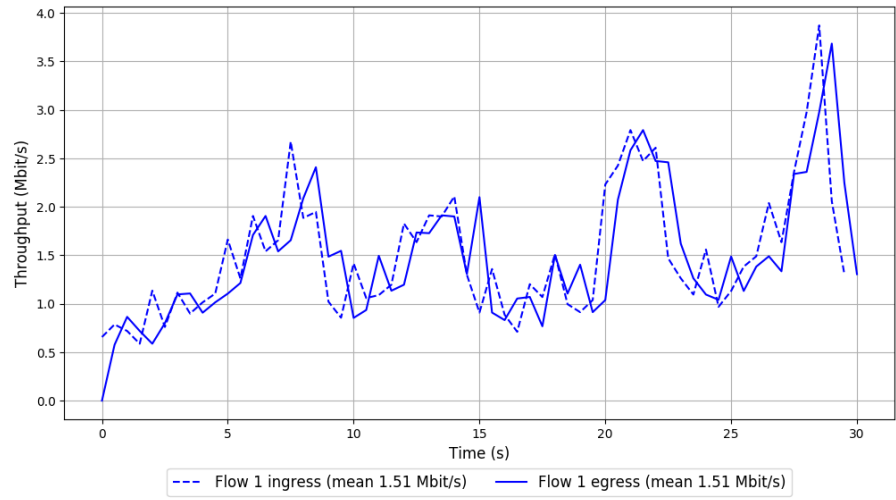
-- Flow 1:

Average throughput: 1.51 Mbit/s

95th percentile per-packet one-way delay: 50.149 ms

Loss rate: 0.00%

### Run 3: Report of Sprout — Data Link

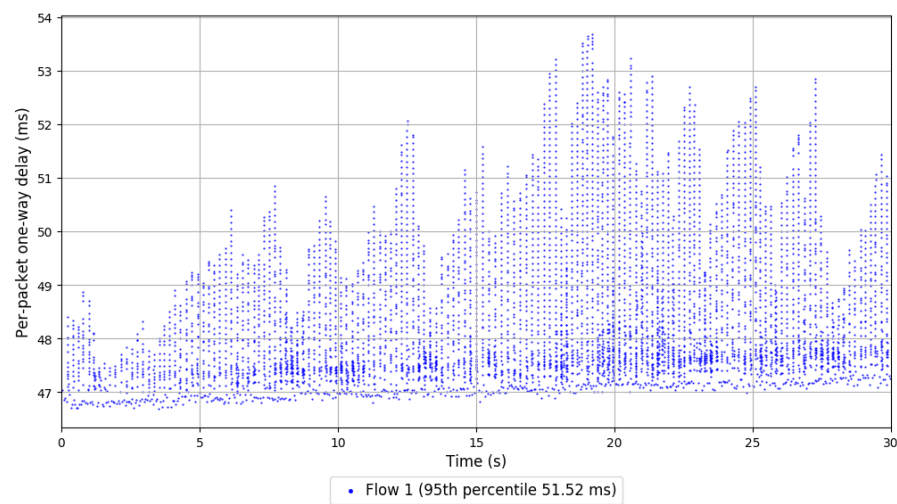
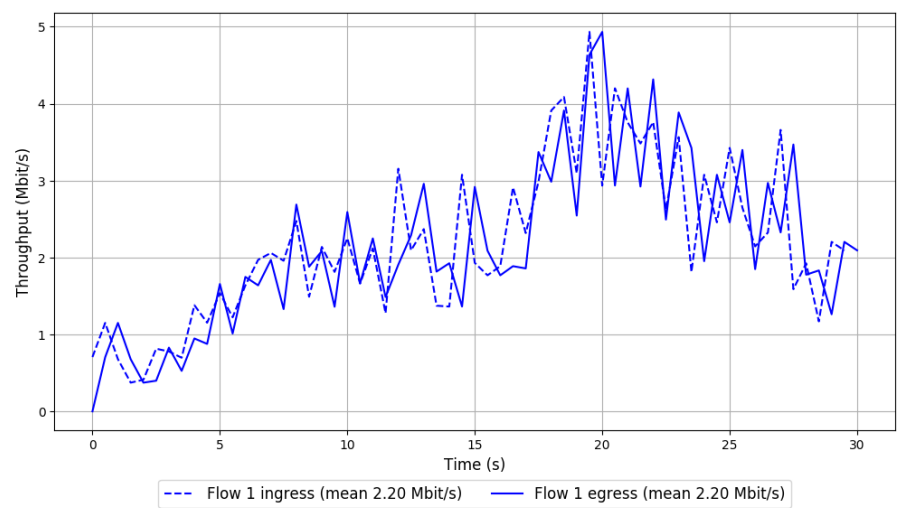


Run 4: Statistics of Sprout

Start at: 2019-01-18 21:29:43  
End at: 2019-01-18 21:30:13  
Local clock offset: 3.113 ms  
Remote clock offset: 11.383 ms

# Below is generated by plot.py at 2019-01-18 22:16:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.20 Mbit/s  
95th percentile per-packet one-way delay: 51.520 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.20 Mbit/s  
95th percentile per-packet one-way delay: 51.520 ms  
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2019-01-18 21:56:14

End at: 2019-01-18 21:56:44

Local clock offset: 0.906 ms

Remote clock offset: 3.059 ms

# Below is generated by plot.py at 2019-01-18 22:16:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 6.45 Mbit/s

95th percentile per-packet one-way delay: 60.408 ms

Loss rate: 0.00%

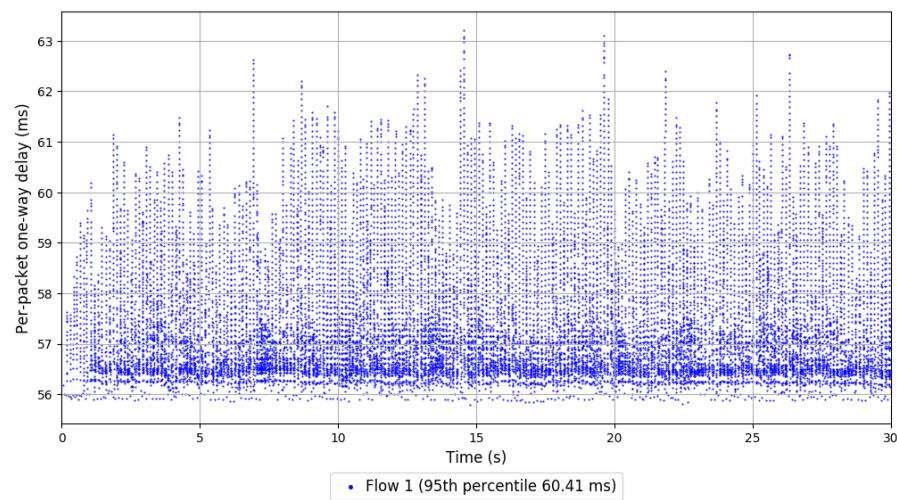
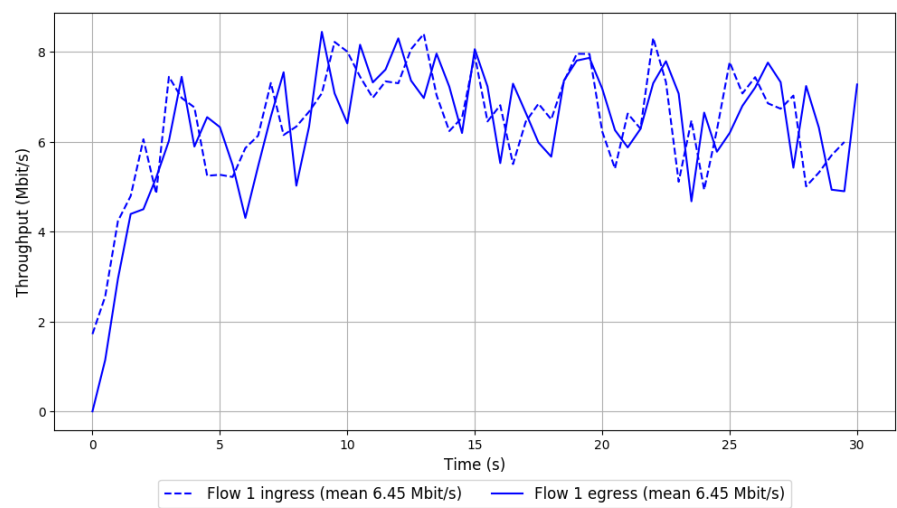
-- Flow 1:

Average throughput: 6.45 Mbit/s

95th percentile per-packet one-way delay: 60.408 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link





Run 1: Statistics of TaoVA-100x

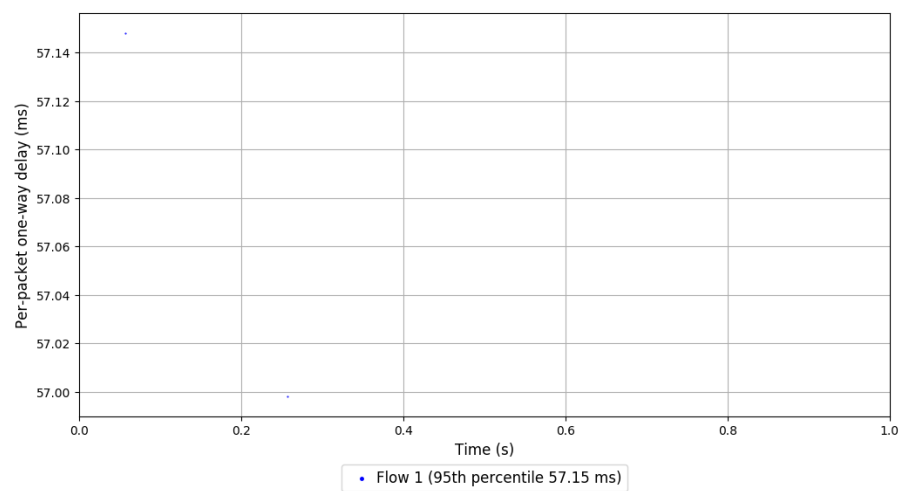
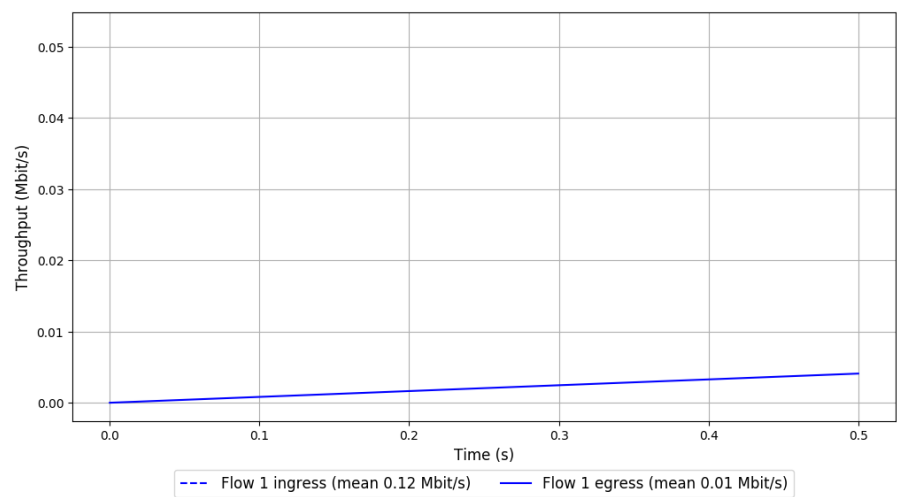
Start at: 2019-01-18 18:49:37

End at: 2019-01-18 18:50:07

Local clock offset: -2.731 ms

Remote clock offset: 38.874 ms

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

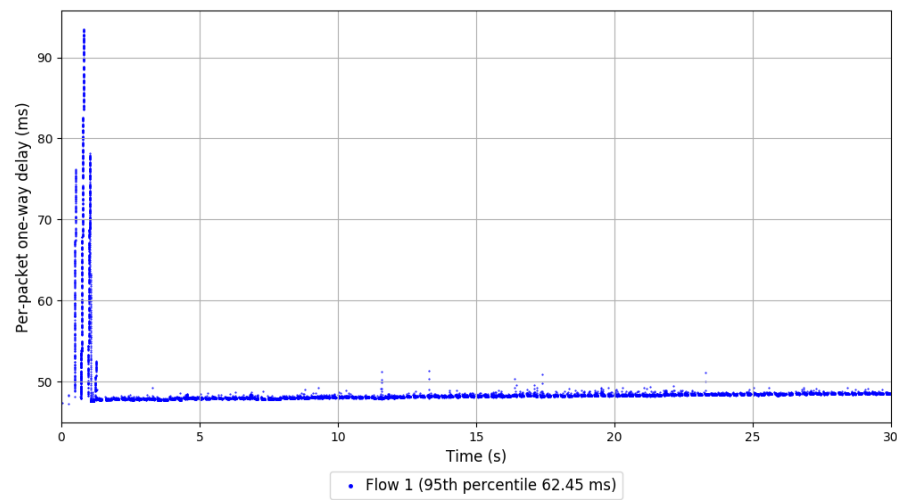
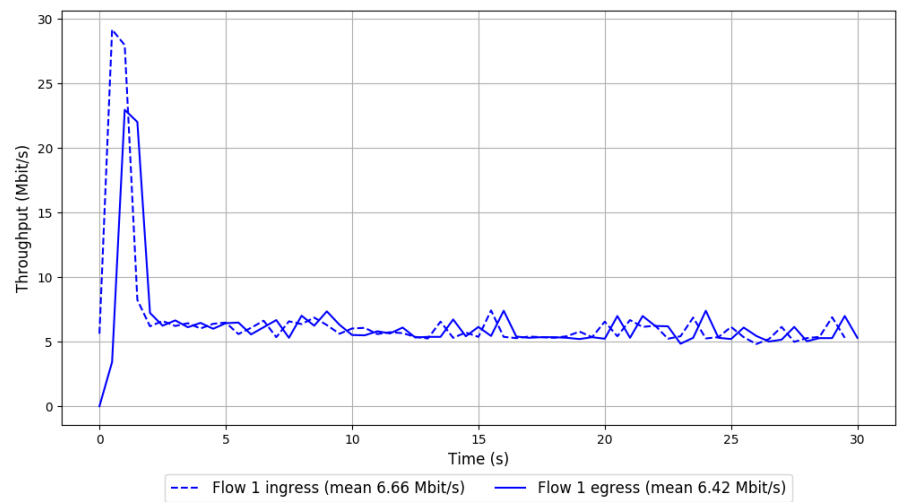


Run 2: Statistics of TaoVA-100x

Start at: 2019-01-18 20:12:04  
End at: 2019-01-18 20:12:34  
Local clock offset: 7.904 ms  
Remote clock offset: -20.652 ms

# Below is generated by plot.py at 2019-01-18 22:16:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 6.42 Mbit/s  
95th percentile per-packet one-way delay: 62.449 ms  
Loss rate: 3.60%  
-- Flow 1:  
Average throughput: 6.42 Mbit/s  
95th percentile per-packet one-way delay: 62.449 ms  
Loss rate: 3.60%

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

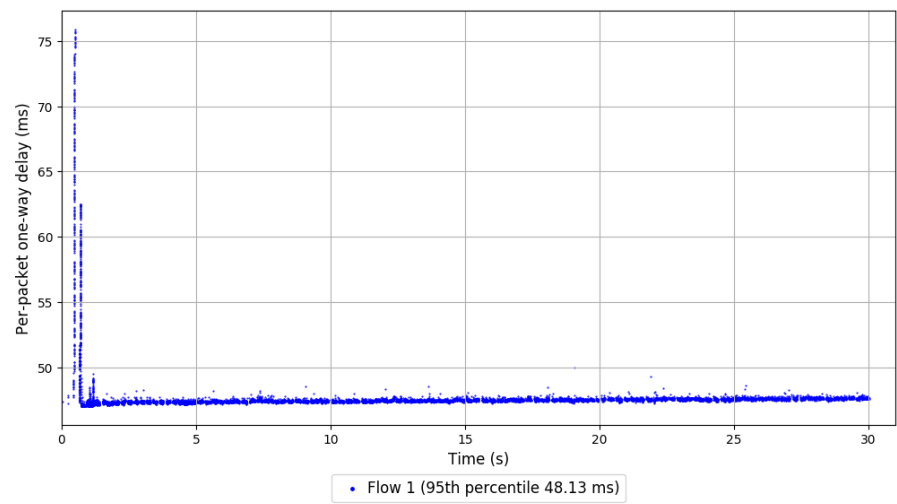
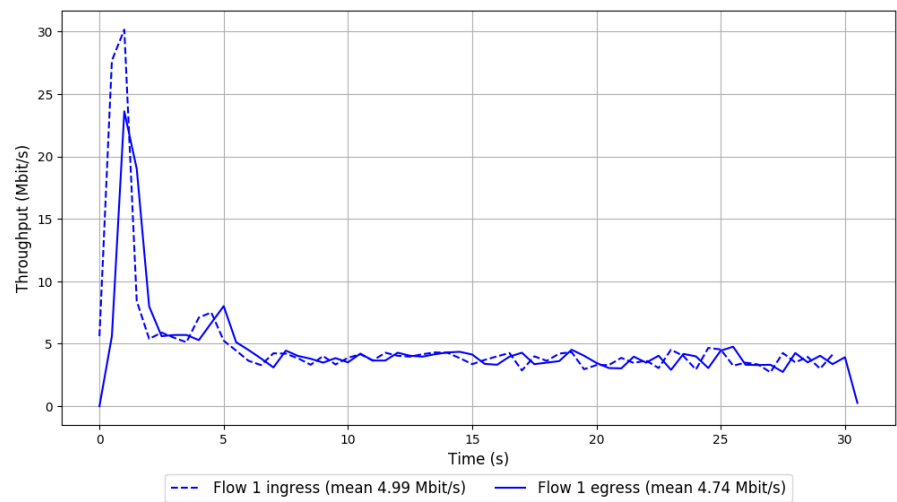


Run 3: Statistics of TaoVA-100x

Start at: 2019-01-18 20:51:39  
End at: 2019-01-18 20:52:09  
Local clock offset: 0.107 ms  
Remote clock offset: -13.323 ms

# Below is generated by plot.py at 2019-01-18 22:16:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 4.74 Mbit/s  
95th percentile per-packet one-way delay: 48.135 ms  
Loss rate: 4.93%  
-- Flow 1:  
Average throughput: 4.74 Mbit/s  
95th percentile per-packet one-way delay: 48.135 ms  
Loss rate: 4.93%

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-01-18 21:18:52

End at: 2019-01-18 21:19:22

Local clock offset: 0.769 ms

Remote clock offset: 13.068 ms

# Below is generated by plot.py at 2019-01-18 22:16:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 5.45 Mbit/s

95th percentile per-packet one-way delay: 48.988 ms

Loss rate: 1.91%

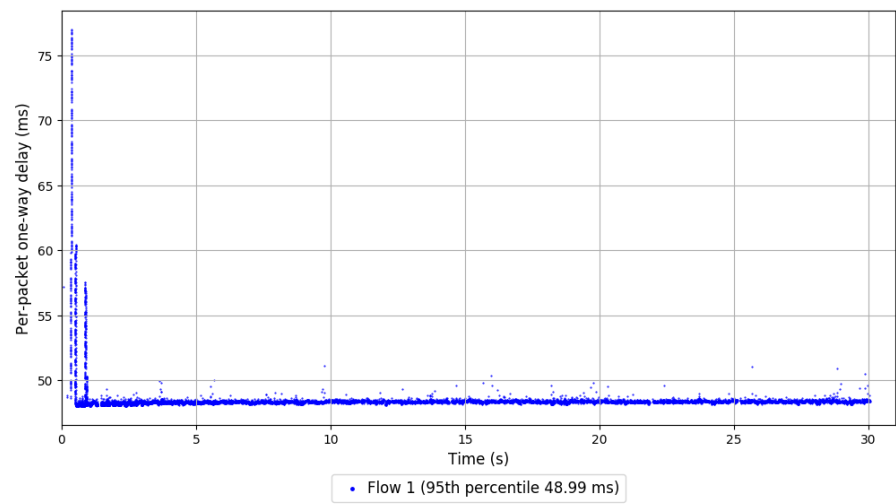
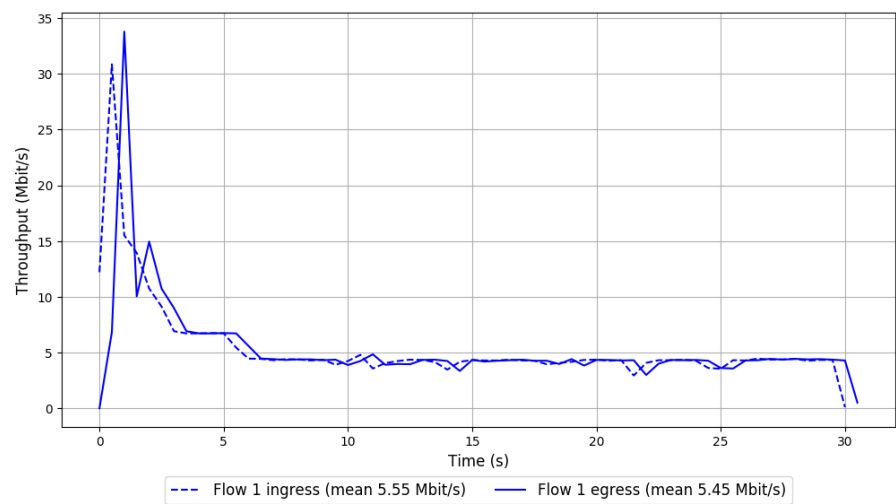
-- Flow 1:

Average throughput: 5.45 Mbit/s

95th percentile per-packet one-way delay: 48.988 ms

Loss rate: 1.91%

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





Run 5: Statistics of TaoVA-100x

Start at: 2019-01-18 21:45:22

End at: 2019-01-18 21:45:52

Local clock offset: 3.812 ms

Remote clock offset: 4.839 ms

# Below is generated by plot.py at 2019-01-18 22:16:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 11.88 Mbit/s

95th percentile per-packet one-way delay: 47.451 ms

Loss rate: 1.90%

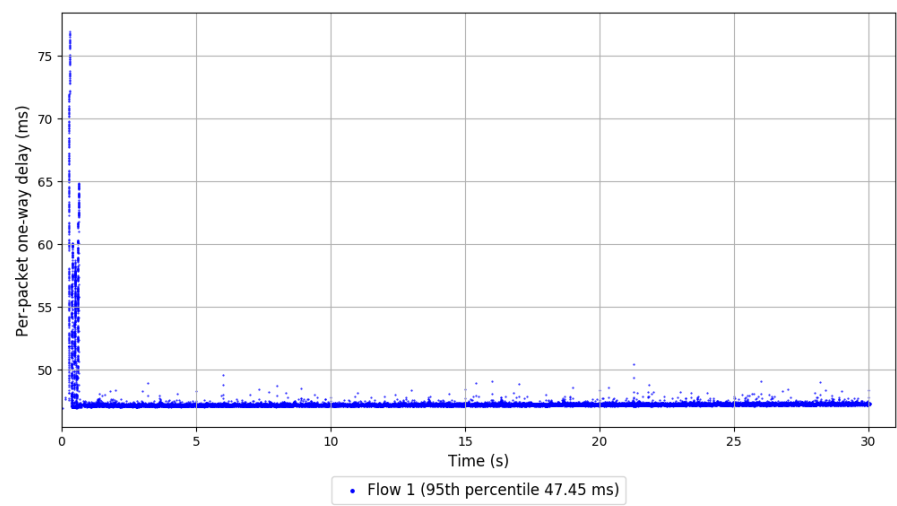
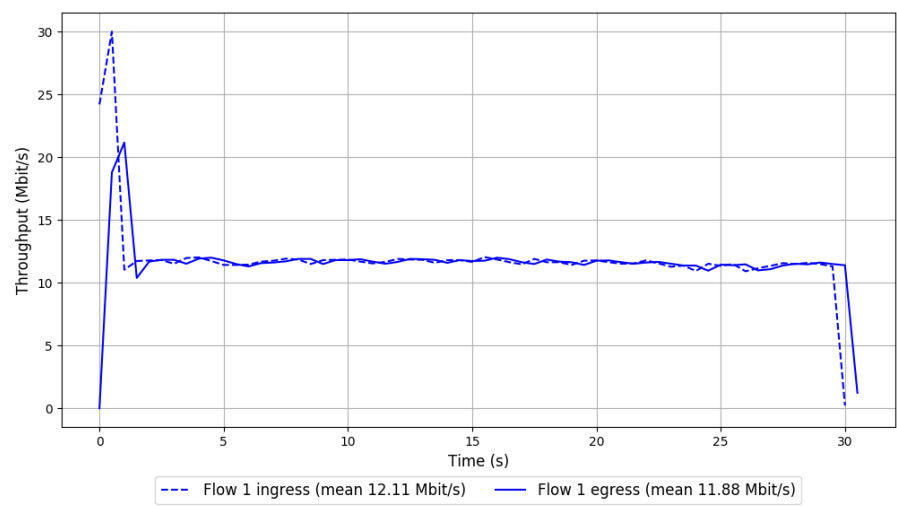
-- Flow 1:

Average throughput: 11.88 Mbit/s

95th percentile per-packet one-way delay: 47.451 ms

Loss rate: 1.90%

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



Run 1: Statistics of TCP Vegas

Start at: 2019-01-18 19:39:13  
End at: 2019-01-18 19:39:43  
Local clock offset: 6.102 ms  
Remote clock offset: 76.405 ms

# Below is generated by plot.py at 2019-01-18 22:16:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 48.56 Mbit/s

95th percentile per-packet one-way delay: 57.197 ms

Loss rate: 1.41%

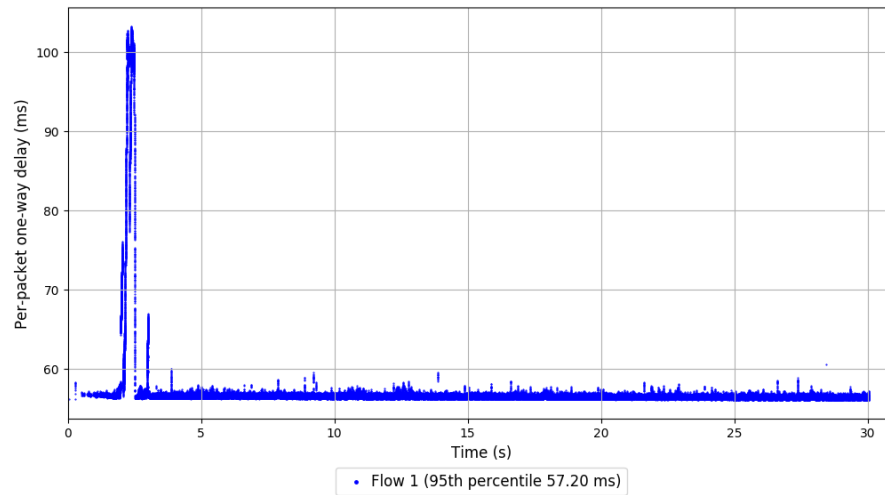
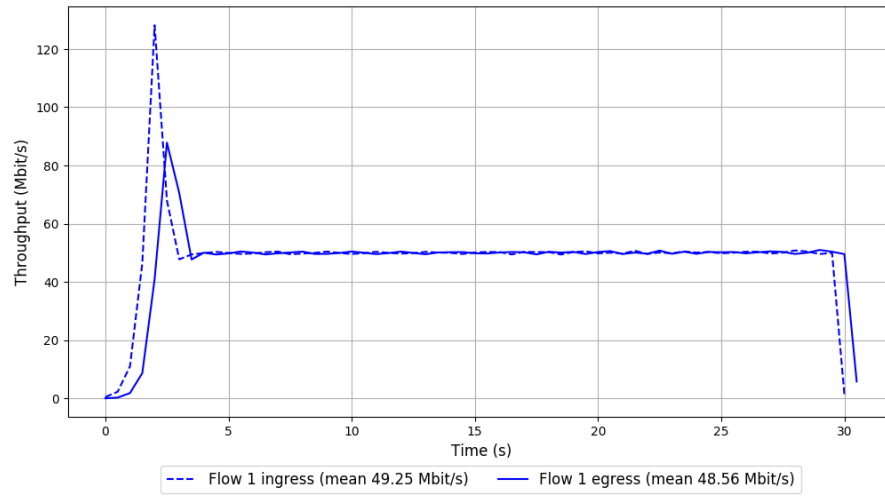
-- Flow 1:

Average throughput: 48.56 Mbit/s

95th percentile per-packet one-way delay: 57.197 ms

Loss rate: 1.41%

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

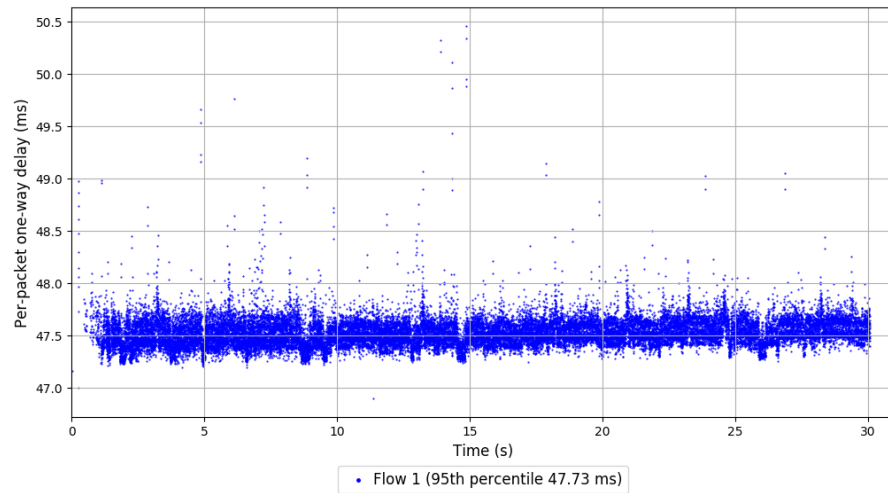
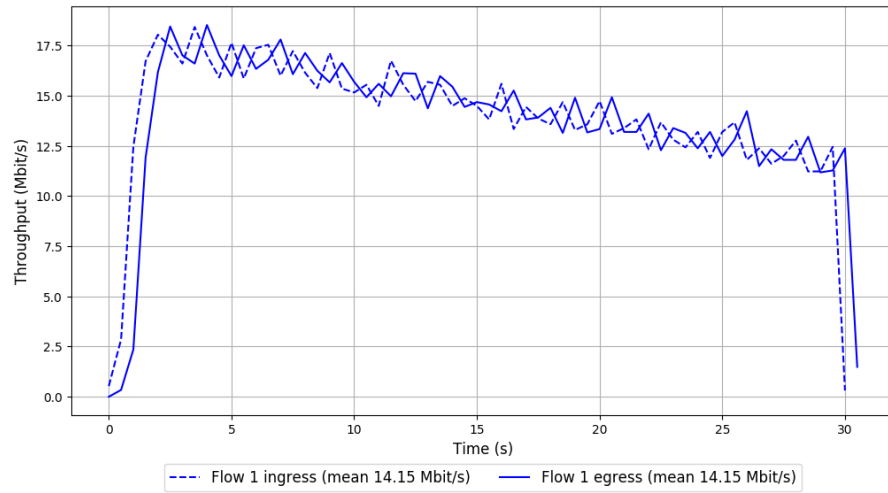


Run 2: Statistics of TCP Vegas

Start at: 2019-01-18 20:39:33  
End at: 2019-01-18 20:40:03  
Local clock offset: 0.174 ms  
Remote clock offset: -8.758 ms

# Below is generated by plot.py at 2019-01-18 22:16:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 14.15 Mbit/s  
95th percentile per-packet one-way delay: 47.728 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 14.15 Mbit/s  
95th percentile per-packet one-way delay: 47.728 ms  
Loss rate: 0.00%

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



Run 3: Statistics of TCP Vegas

Start at: 2019-01-18 21:09:20

End at: 2019-01-18 21:09:50

Local clock offset: 0.429 ms

Remote clock offset: 9.035 ms

# Below is generated by plot.py at 2019-01-18 22:16:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 3.98 Mbit/s

95th percentile per-packet one-way delay: 47.434 ms

Loss rate: 0.00%

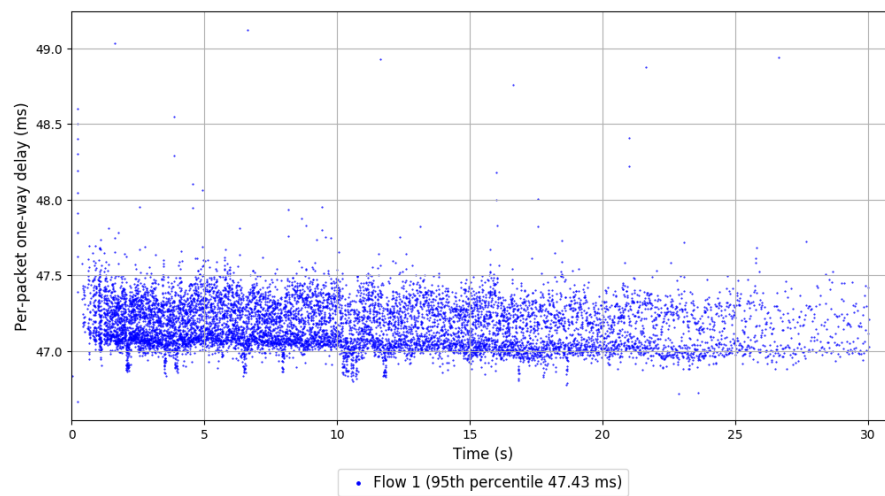
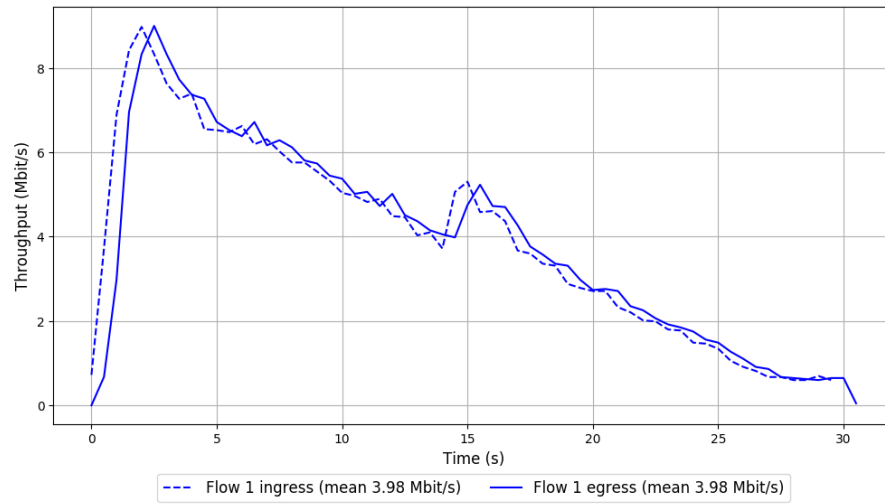
-- Flow 1:

Average throughput: 3.98 Mbit/s

95th percentile per-packet one-way delay: 47.434 ms

Loss rate: 0.00%

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





Run 4: Statistics of TCP Vegas

Start at: 2019-01-18 21:35:32

End at: 2019-01-18 21:36:02

Local clock offset: 3.556 ms

Remote clock offset: 7.977 ms

# Below is generated by plot.py at 2019-01-18 22:16:20

# Datalink statistics

-- Total of 1 flow:

Average throughput: 42.24 Mbit/s

95th percentile per-packet one-way delay: 48.201 ms

Loss rate: 0.00%

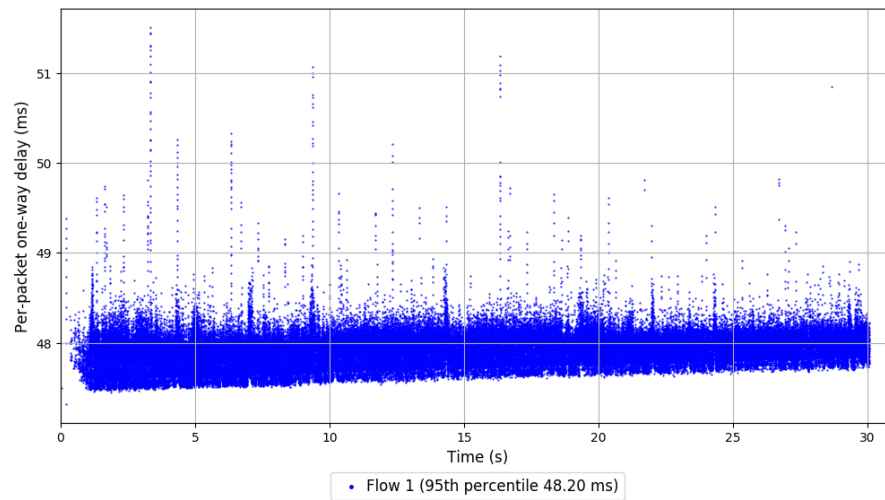
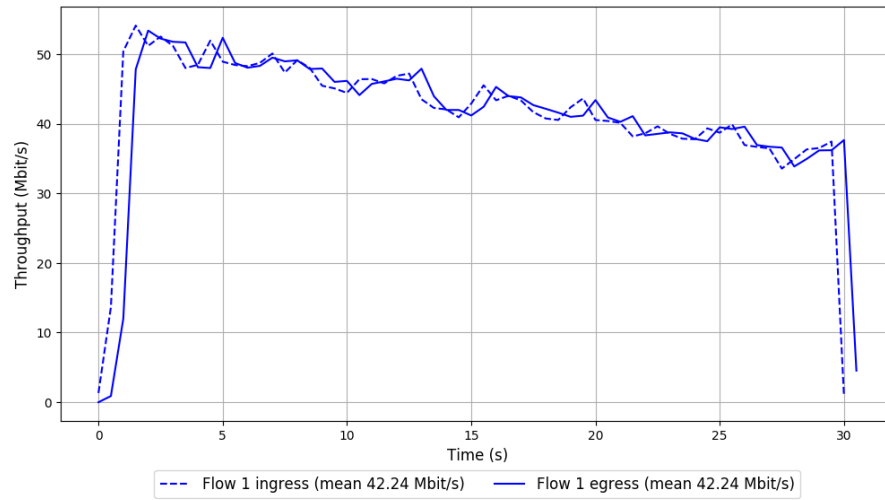
-- Flow 1:

Average throughput: 42.24 Mbit/s

95th percentile per-packet one-way delay: 48.201 ms

Loss rate: 0.00%

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



Run 5: Statistics of TCP Vegas

Start at: 2019-01-18 22:01:04

End at: 2019-01-18 22:01:34

Local clock offset: 0.316 ms

Remote clock offset: 3.397 ms

# Below is generated by plot.py at 2019-01-18 22:16:28

# Datalink statistics

-- Total of 1 flow:

Average throughput: 53.51 Mbit/s

95th percentile per-packet one-way delay: 82.451 ms

Loss rate: 0.94%

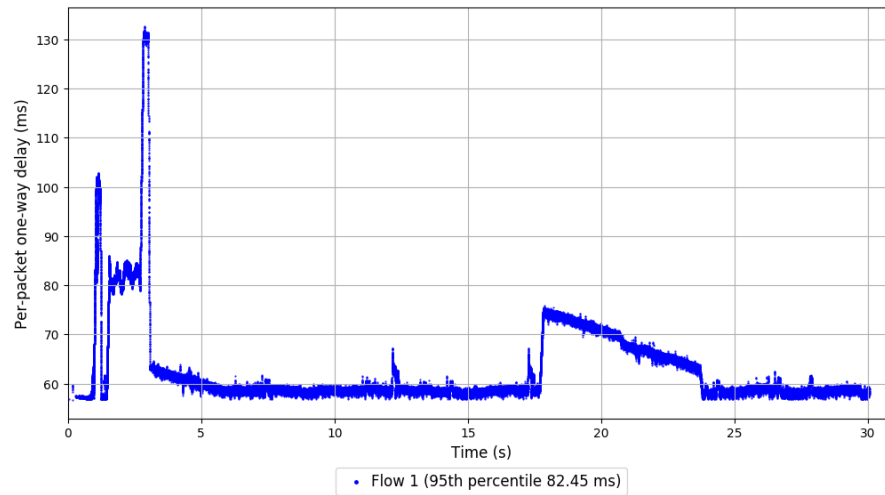
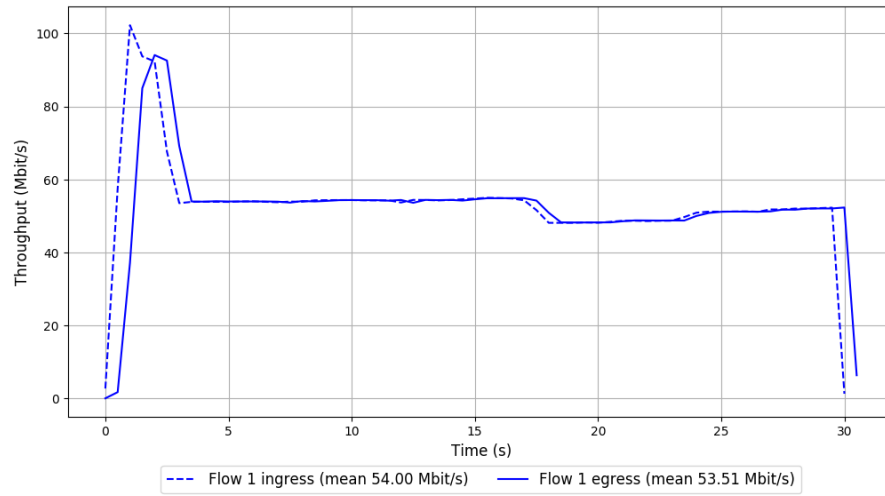
-- Flow 1:

Average throughput: 53.51 Mbit/s

95th percentile per-packet one-way delay: 82.451 ms

Loss rate: 0.94%

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

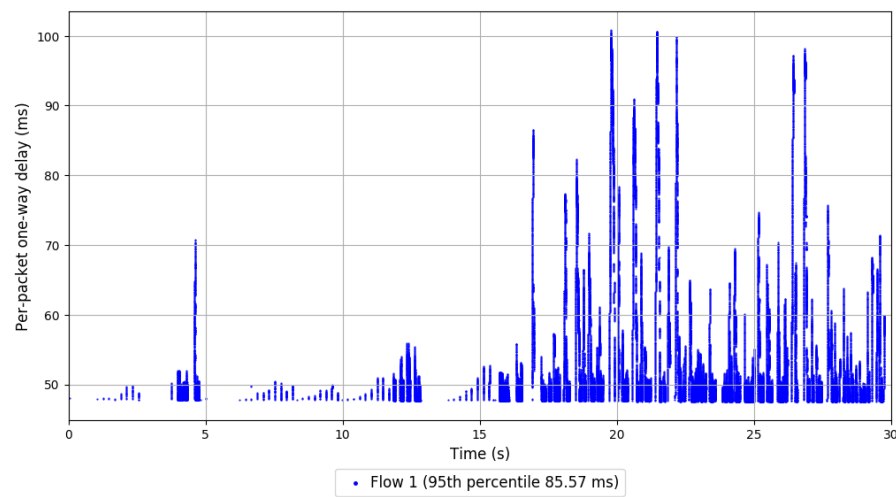
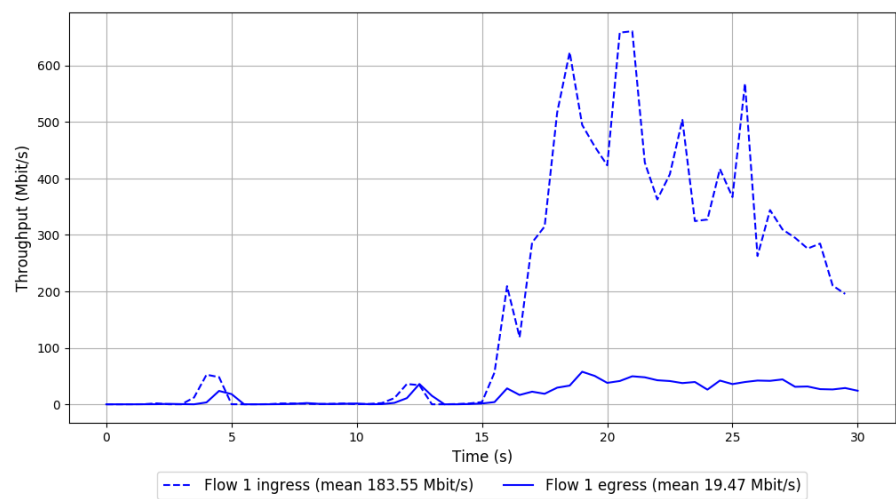


Run 1: Statistics of Verus

Start at: 2019-01-18 19:33:37  
End at: 2019-01-18 19:34:07  
Local clock offset: 5.358 ms  
Remote clock offset: 74.185 ms

# Below is generated by plot.py at 2019-01-18 22:16:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 19.47 Mbit/s  
95th percentile per-packet one-way delay: 85.570 ms  
Loss rate: 89.39%  
-- Flow 1:  
Average throughput: 19.47 Mbit/s  
95th percentile per-packet one-way delay: 85.570 ms  
Loss rate: 89.39%

Run 1: Report of Verus — Data Link

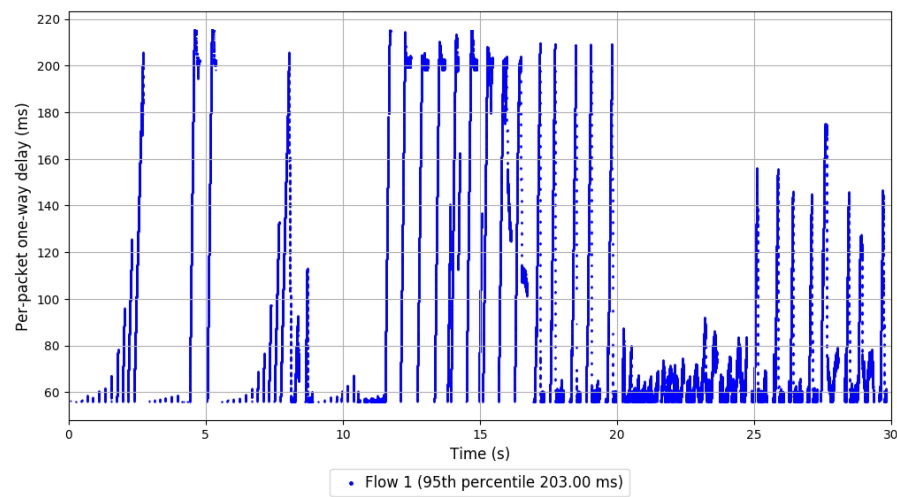
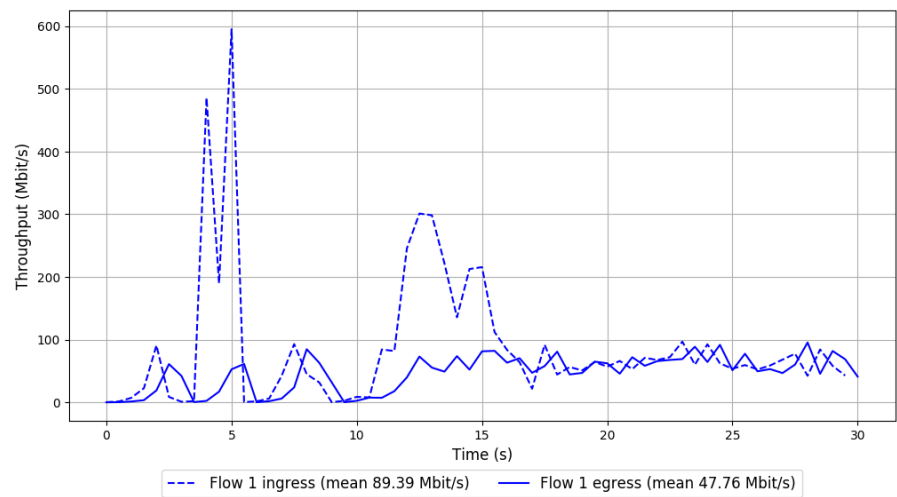


Run 2: Statistics of Verus

Start at: 2019-01-18 20:36:51  
End at: 2019-01-18 20:37:21  
Local clock offset: 0.633 ms  
Remote clock offset: -8.463 ms

# Below is generated by plot.py at 2019-01-18 22:16:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 47.76 Mbit/s  
95th percentile per-packet one-way delay: 203.002 ms  
Loss rate: 46.58%  
-- Flow 1:  
Average throughput: 47.76 Mbit/s  
95th percentile per-packet one-way delay: 203.002 ms  
Loss rate: 46.58%

Run 2: Report of Verus — Data Link





Run 3: Statistics of Verus

Start at: 2019-01-18 21:07:59

End at: 2019-01-18 21:08:29

Local clock offset: 0.557 ms

Remote clock offset: 8.656 ms

# Below is generated by plot.py at 2019-01-18 22:16:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 79.32 Mbit/s

95th percentile per-packet one-way delay: 197.183 ms

Loss rate: 4.19%

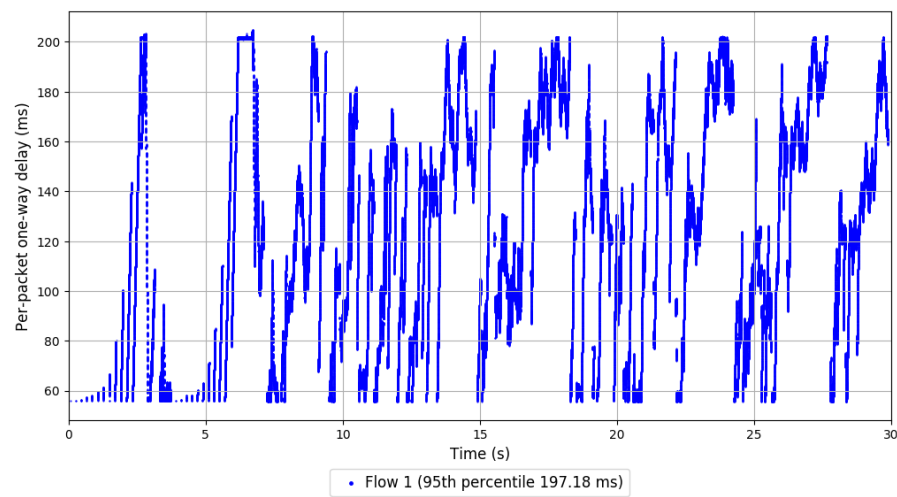
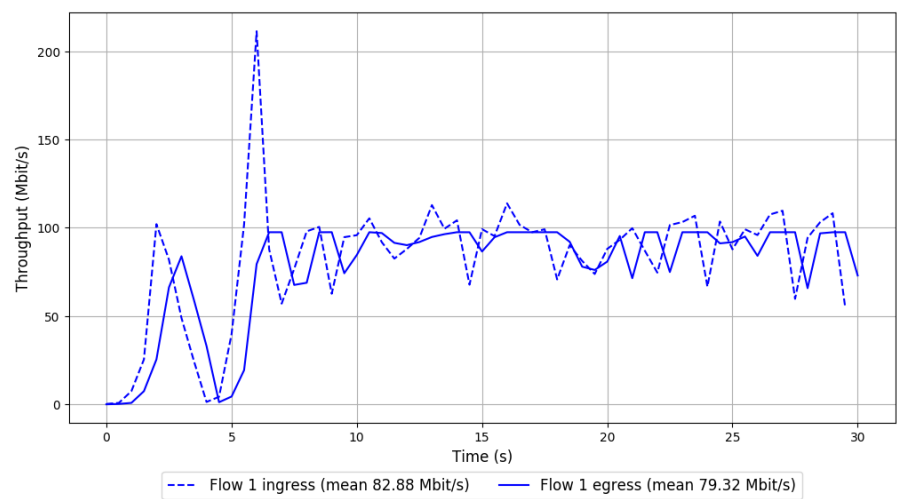
-- Flow 1:

Average throughput: 79.32 Mbit/s

95th percentile per-packet one-way delay: 197.183 ms

Loss rate: 4.19%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2019-01-18 21:34:18

End at: 2019-01-18 21:34:48

Local clock offset: 3.425 ms

Remote clock offset: 8.587 ms

# Below is generated by plot.py at 2019-01-18 22:16:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 66.50 Mbit/s

95th percentile per-packet one-way delay: 192.884 ms

Loss rate: 15.07%

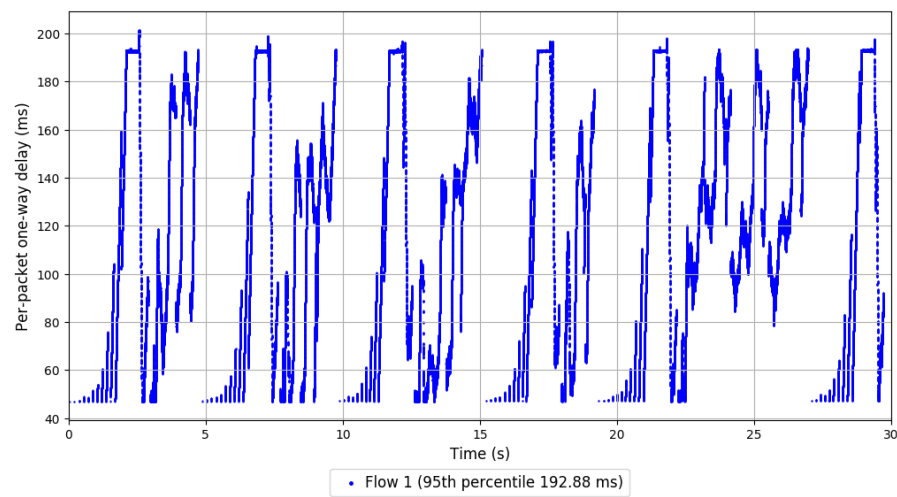
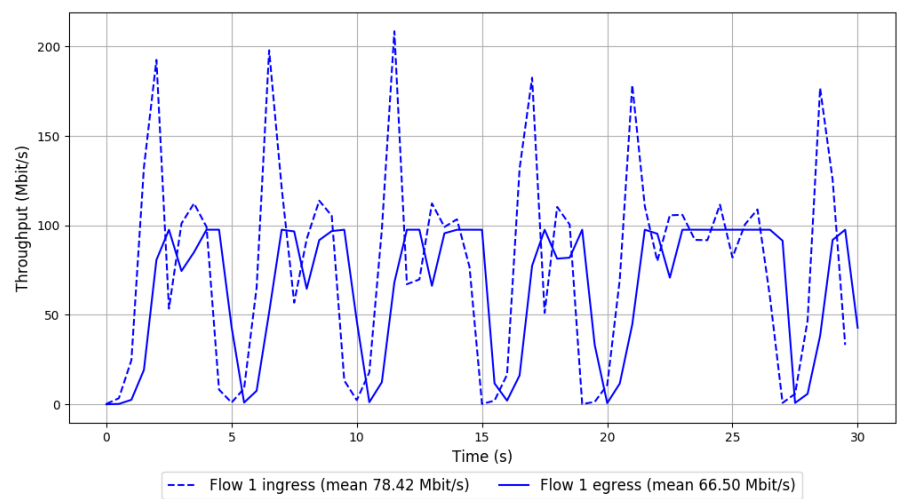
-- Flow 1:

Average throughput: 66.50 Mbit/s

95th percentile per-packet one-way delay: 192.884 ms

Loss rate: 15.07%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2019-01-18 21:59:51

End at: 2019-01-18 22:00:21

Local clock offset: 0.426 ms

Remote clock offset: 2.891 ms

# Below is generated by plot.py at 2019-01-18 22:16:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 75.46 Mbit/s

95th percentile per-packet one-way delay: 201.917 ms

Loss rate: 13.29%

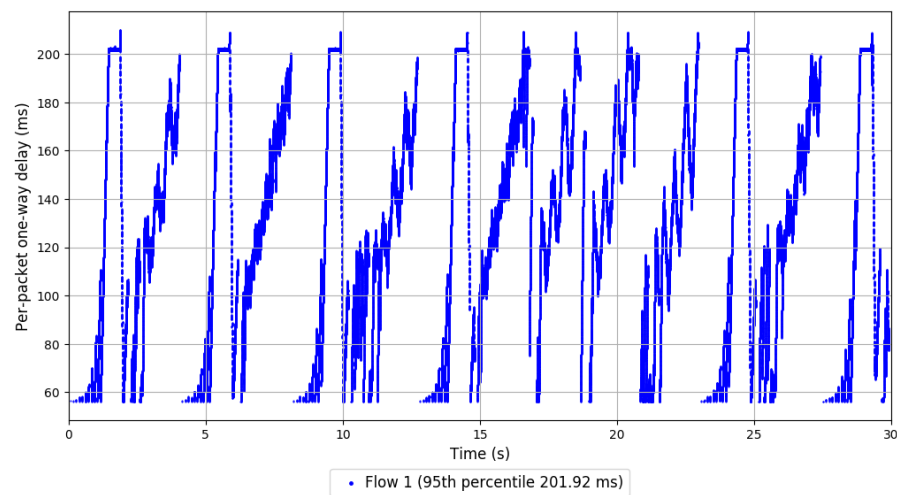
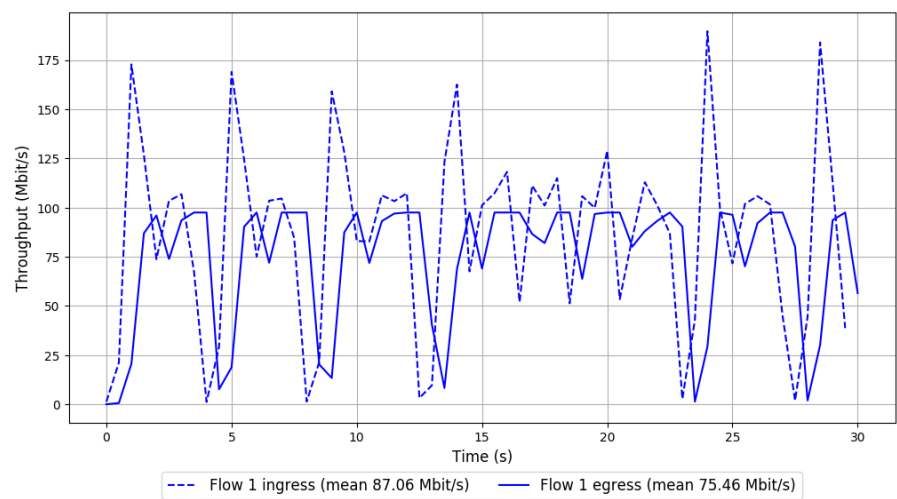
-- Flow 1:

Average throughput: 75.46 Mbit/s

95th percentile per-packet one-way delay: 201.917 ms

Loss rate: 13.29%

Run 5: Report of Verus — Data Link

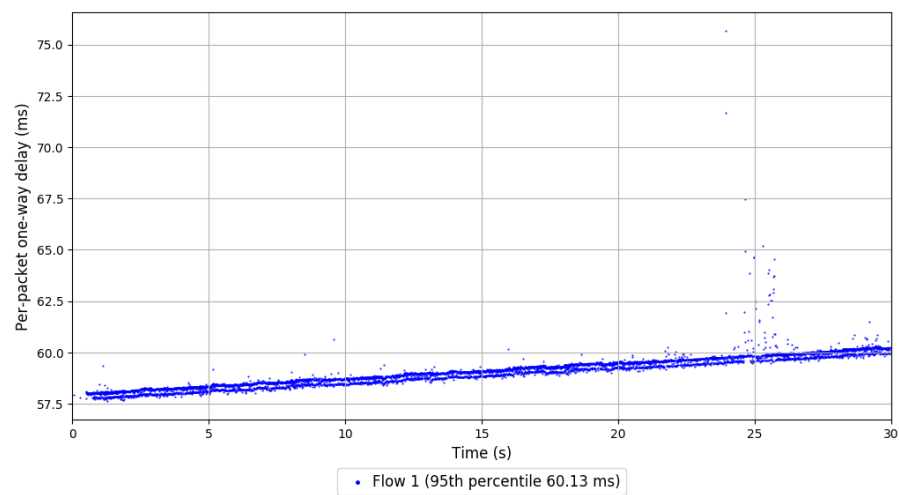
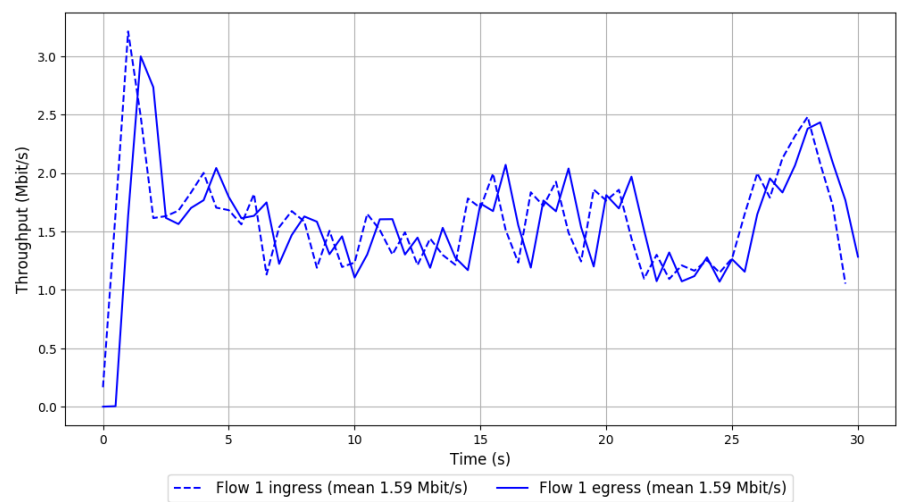


Run 1: Statistics of PCC-Vivace

Start at: 2019-01-18 19:52:48  
End at: 2019-01-18 19:53:18  
Local clock offset: 6.586 ms  
Remote clock offset: 27.742 ms

# Below is generated by plot.py at 2019-01-18 22:16:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.59 Mbit/s  
95th percentile per-packet one-way delay: 60.133 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 1.59 Mbit/s  
95th percentile per-packet one-way delay: 60.133 ms  
Loss rate: 0.05%

Run 1: Report of PCC-Vivace — Data Link



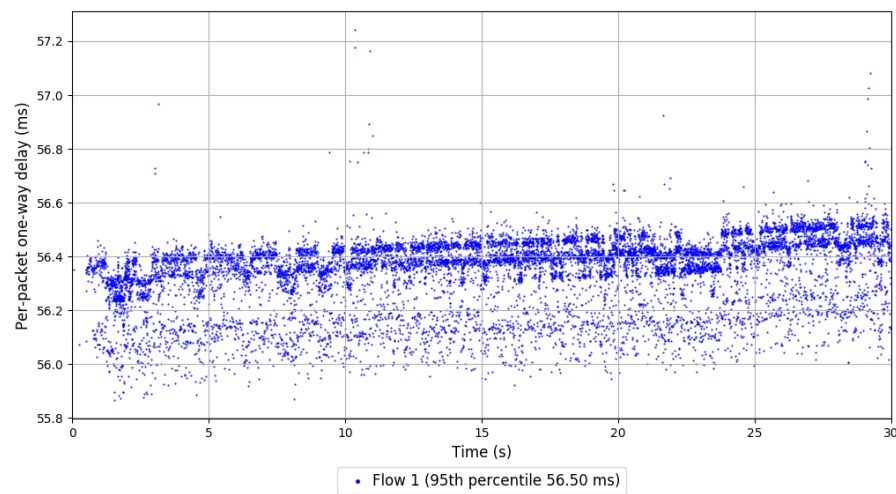
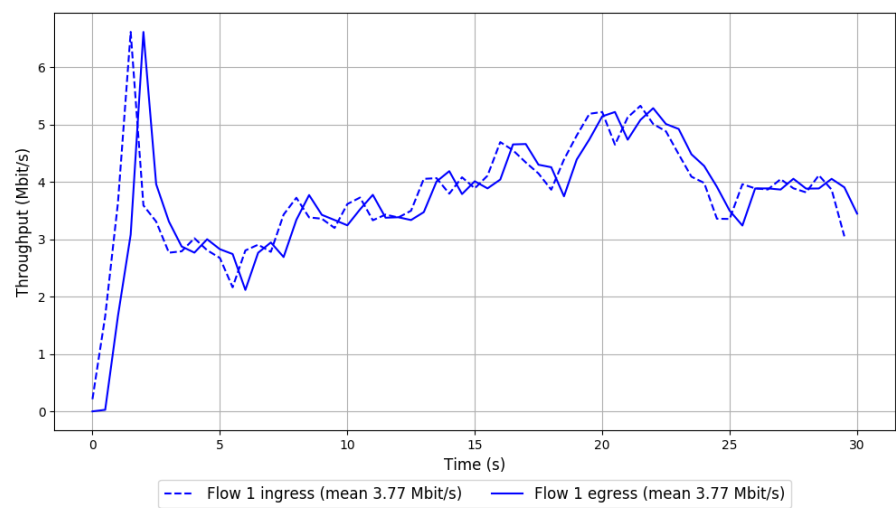


Run 2: Statistics of PCC-Vivace

Start at: 2019-01-18 20:45:00  
End at: 2019-01-18 20:45:30  
Local clock offset: -0.246 ms  
Remote clock offset: -10.421 ms

# Below is generated by plot.py at 2019-01-18 22:16:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 3.77 Mbit/s  
95th percentile per-packet one-way delay: 56.502 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 3.77 Mbit/s  
95th percentile per-packet one-way delay: 56.502 ms  
Loss rate: 0.02%

Run 2: Report of PCC-Vivace — Data Link

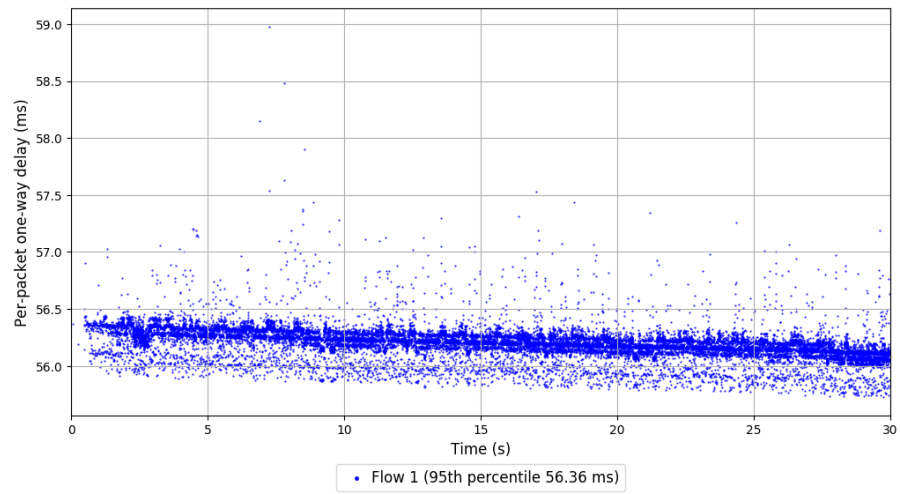
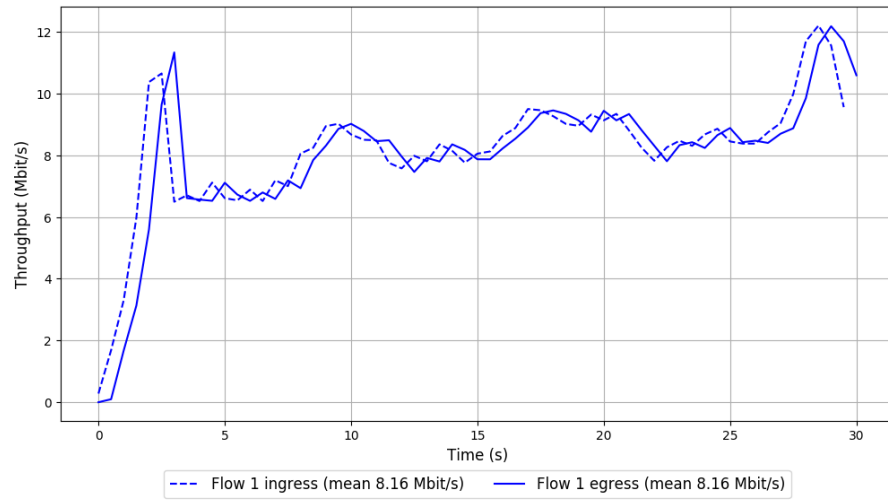


Run 3: Statistics of PCC-Vivace

Start at: 2019-01-18 21:12:57  
End at: 2019-01-18 21:13:27  
Local clock offset: 0.425 ms  
Remote clock offset: 10.967 ms

# Below is generated by plot.py at 2019-01-18 22:16:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 8.16 Mbit/s  
95th percentile per-packet one-way delay: 56.363 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 8.16 Mbit/s  
95th percentile per-packet one-way delay: 56.363 ms  
Loss rate: 0.04%

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



Run 4: Statistics of PCC-Vivace

Start at: 2019-01-18 21:39:06

End at: 2019-01-18 21:39:36

Local clock offset: 3.65 ms

Remote clock offset: 6.673 ms

# Below is generated by plot.py at 2019-01-18 22:16:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 8.70 Mbit/s

95th percentile per-packet one-way delay: 56.672 ms

Loss rate: 0.04%

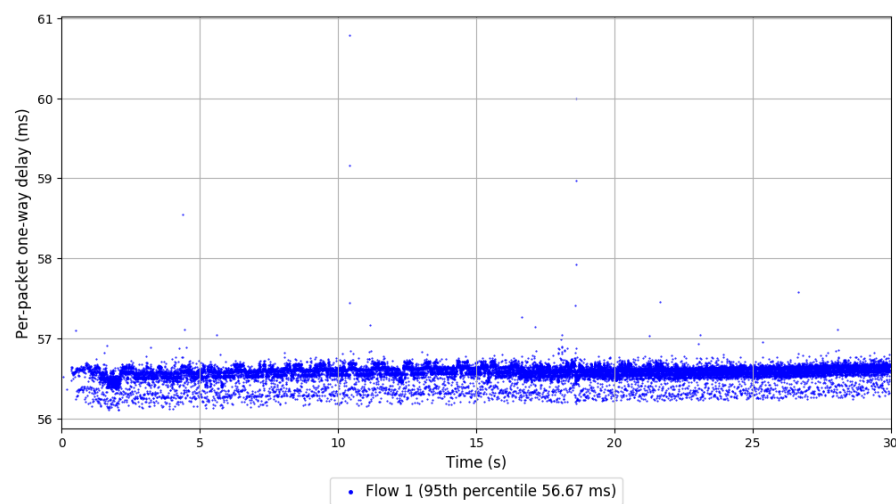
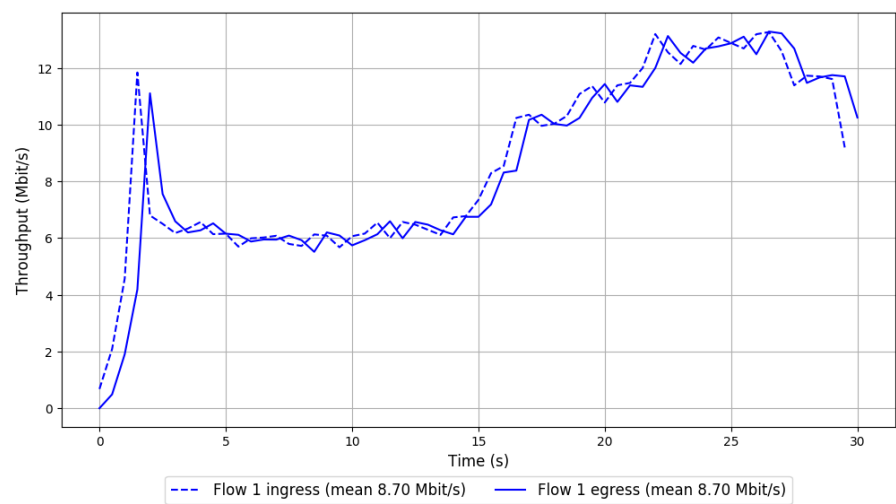
-- Flow 1:

Average throughput: 8.70 Mbit/s

95th percentile per-packet one-way delay: 56.672 ms

Loss rate: 0.04%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-01-18 22:04:39

End at: 2019-01-18 22:05:09

Local clock offset: 0.065 ms

Remote clock offset: 3.223 ms

# Below is generated by plot.py at 2019-01-18 22:16:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 82.22 Mbit/s

95th percentile per-packet one-way delay: 68.111 ms

Loss rate: 0.00%

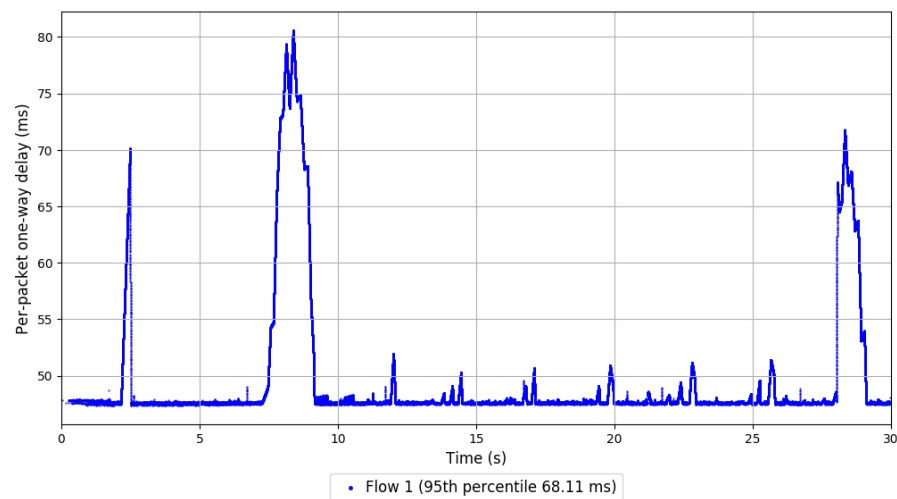
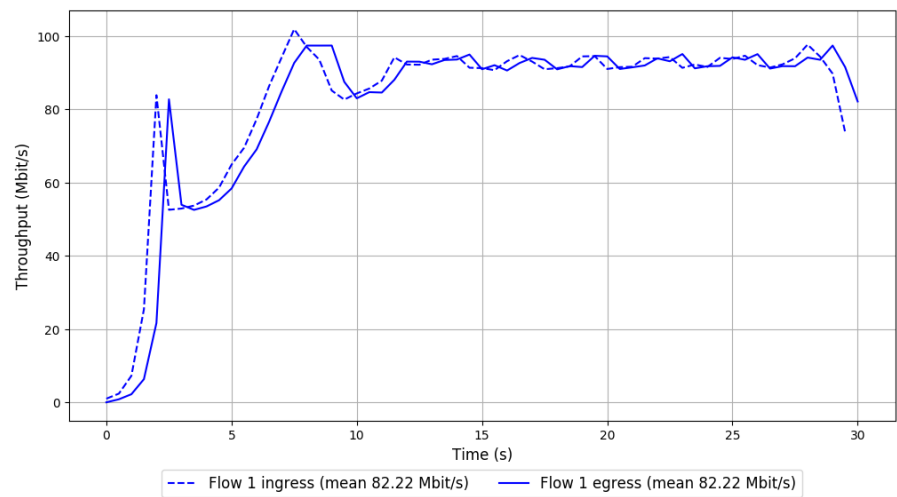
-- Flow 1:

Average throughput: 82.22 Mbit/s

95th percentile per-packet one-way delay: 68.111 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



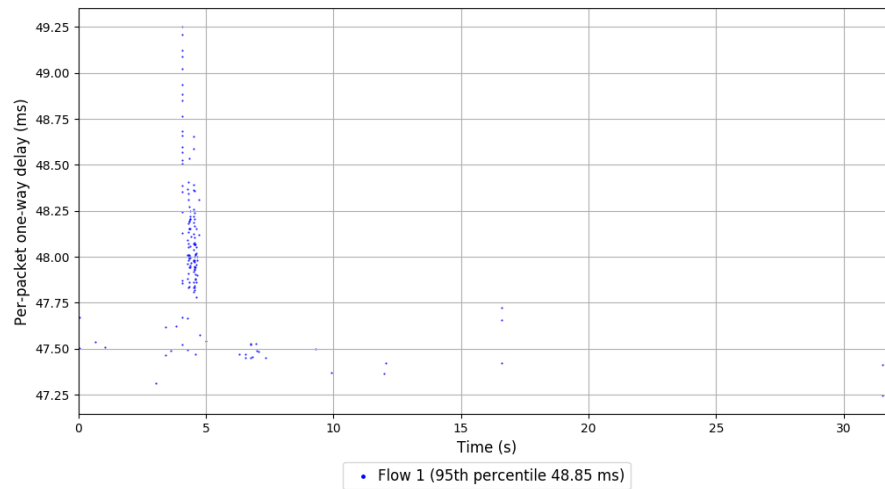
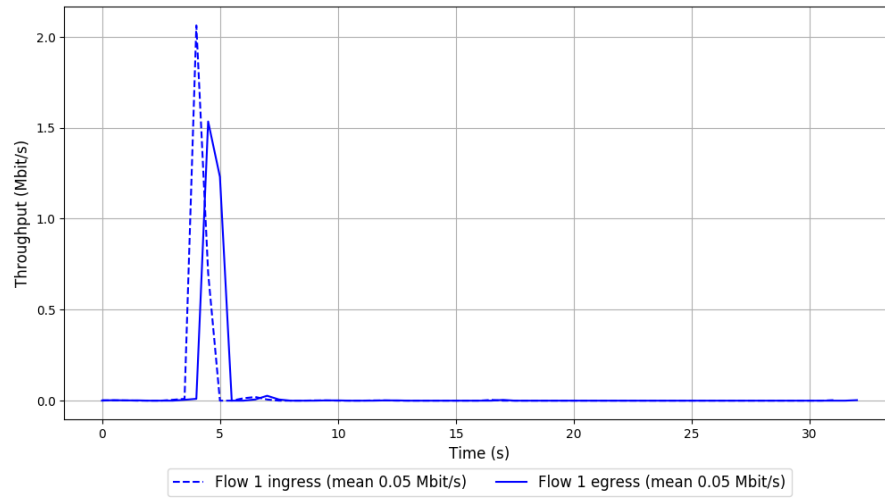


```
Run 1: Statistics of WebRTC media

Start at: 2019-01-18 19:08:17
End at: 2019-01-18 19:08:47
Local clock offset: 3.287 ms
Remote clock offset: 52.891 ms

# Below is generated by plot.py at 2019-01-18 22:16:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 48.850 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 48.850 ms
Loss rate: 0.00%
```

## Run 1: Report of WebRTC media — Data Link

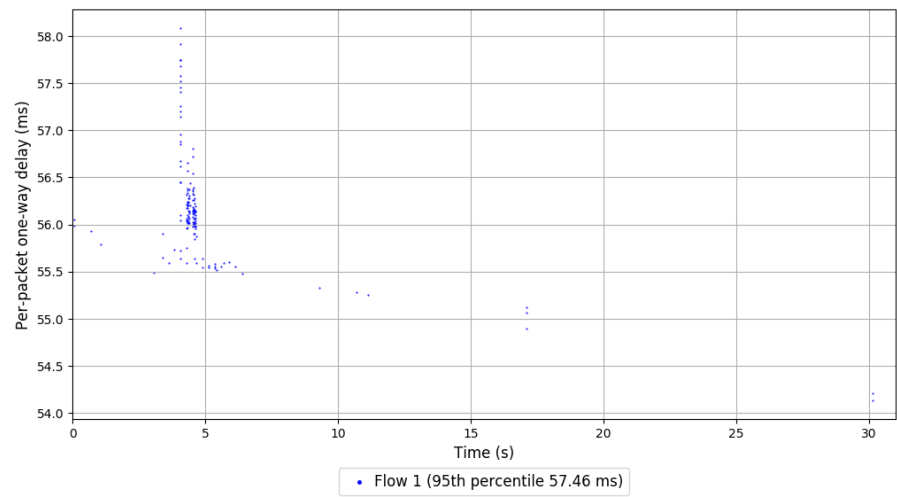
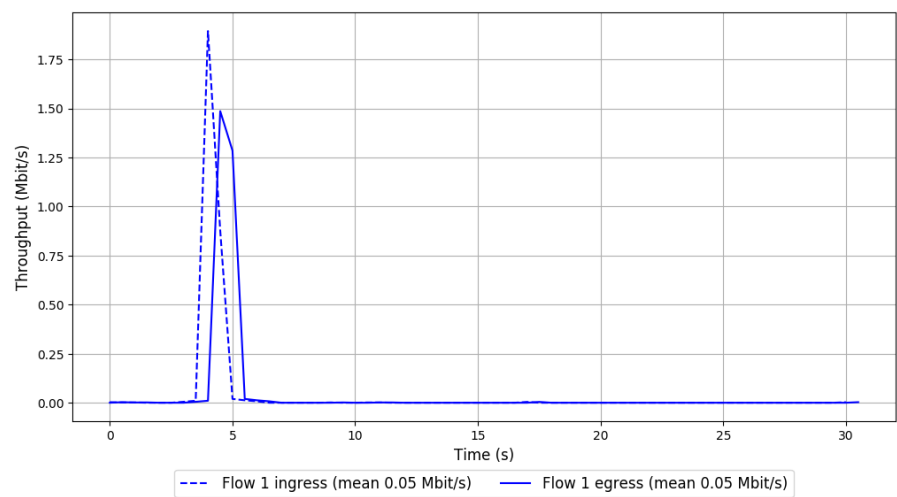


Run 2: Statistics of WebRTC media

Start at: 2019-01-18 20:21:00  
End at: 2019-01-18 20:21:30  
Local clock offset: 5.284 ms  
Remote clock offset: -24.154 ms

# Below is generated by plot.py at 2019-01-18 22:16:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 57.458 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 57.458 ms  
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-01-18 20:59:07

End at: 2019-01-18 20:59:37

Local clock offset: 0.402 ms

Remote clock offset: 0.029 ms

# Below is generated by plot.py at 2019-01-18 22:16:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 58.136 ms

Loss rate: 0.00%

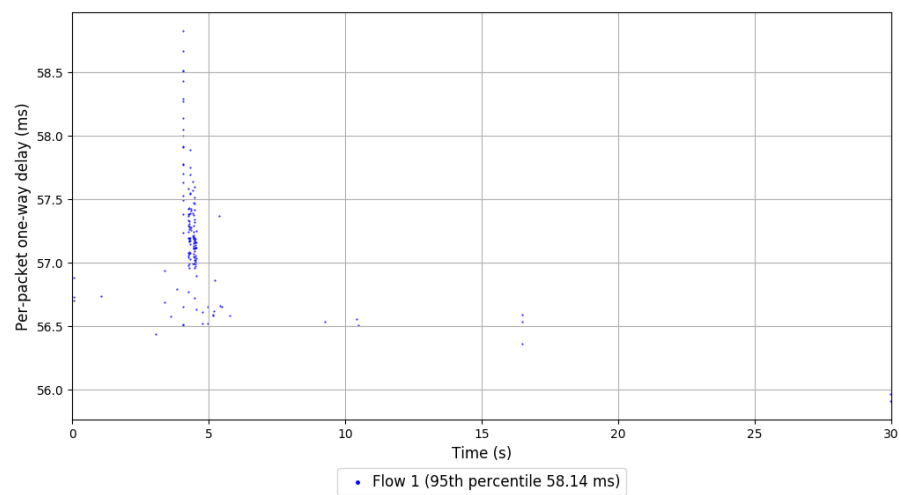
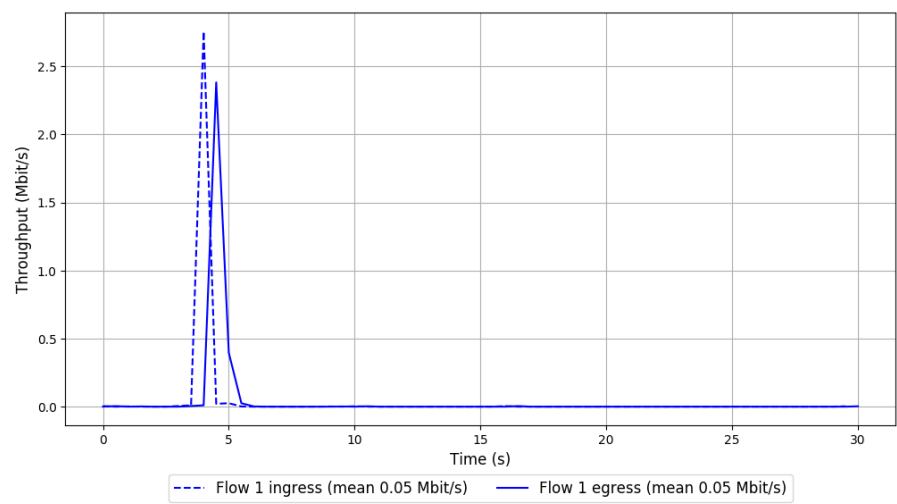
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 58.136 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

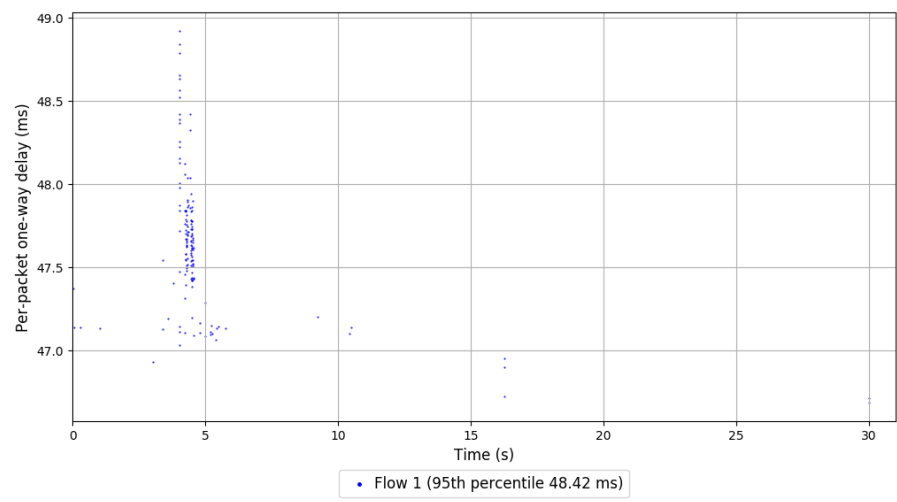
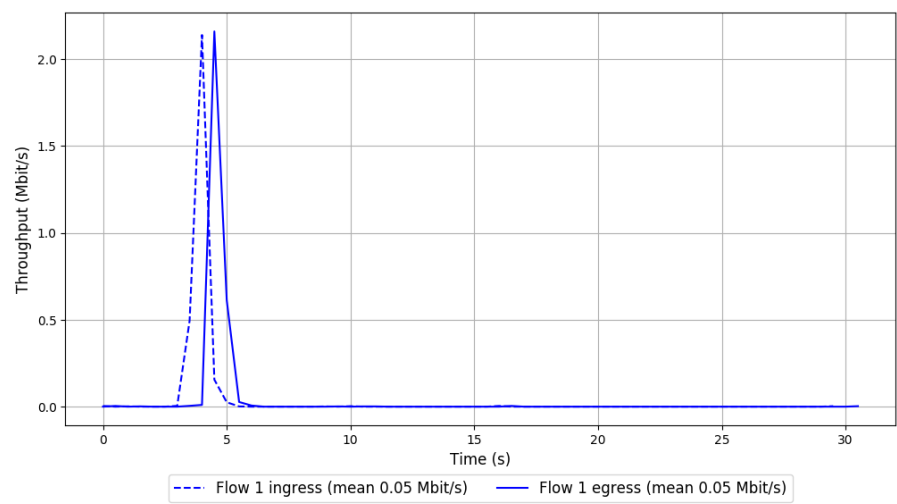


Run 4: Statistics of WebRTC media

Start at: 2019-01-18 21:25:00  
End at: 2019-01-18 21:25:30  
Local clock offset: 2.378 ms  
Remote clock offset: 12.904 ms

# Below is generated by plot.py at 2019-01-18 22:16:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 48.422 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 48.422 ms  
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link





Run 5: Statistics of WebRTC media

Start at: 2019-01-18 21:51:17

End at: 2019-01-18 21:51:47

Local clock offset: 2.247 ms

Remote clock offset: 4.859 ms

# Below is generated by plot.py at 2019-01-18 22:16:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 49.455 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 49.455 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

