

## Pantheon Report

Generated at 2019-03-18 22:35:58 (UTC).

Data path: AWS India 2 on **ens5** (*local*) → Saudi Arabia on **enp2s0** (*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:

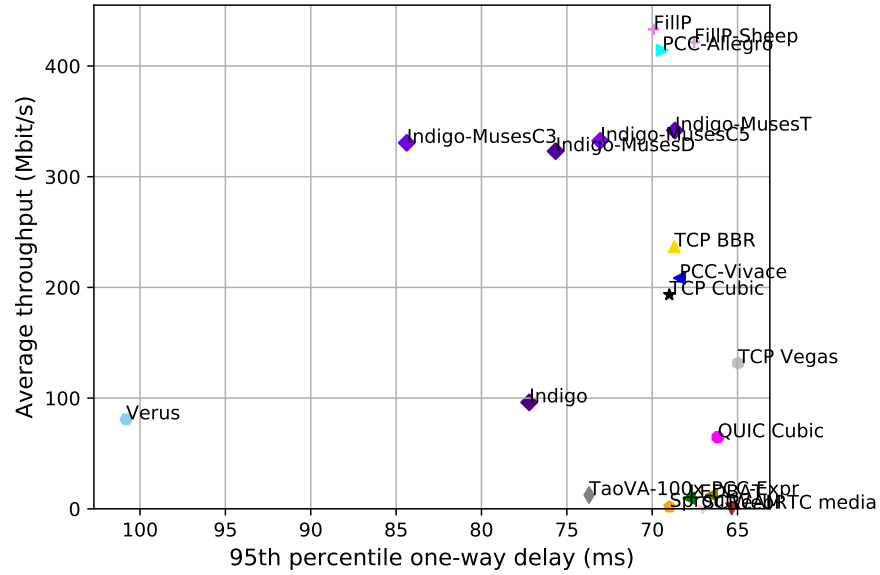
```
Linux 4.15.0-1031-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

### Git summary:

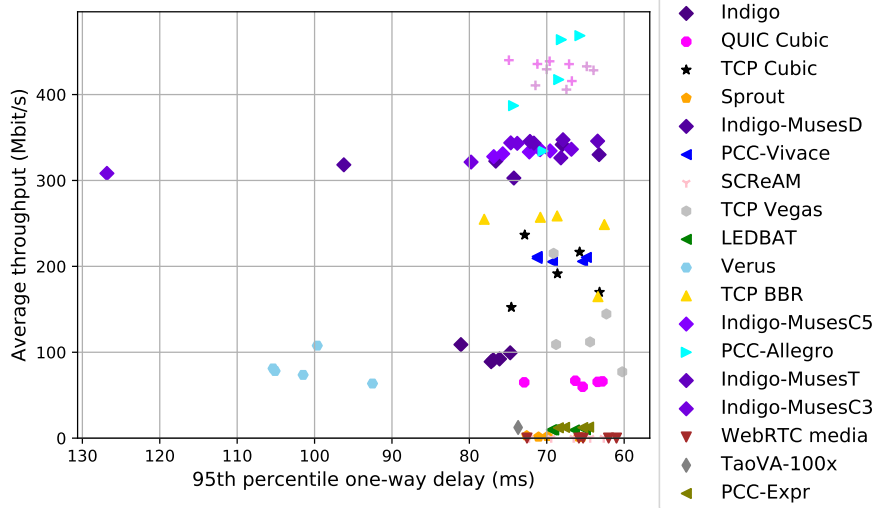
```
branch: muses @ 7a686f7c2ed0a333082c0bab1fa5c921ab47e6ee
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd9c077e64d
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 2 to Saudi Arabia, 5 runs of 30s each per scheme  
(mean of all runs by scheme)



test from AWS India 2 to Saudi Arabia, 5 runs of 30s each per 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	236.84	68.70	6.19
Copa	0	N/A	N/A	N/A
TCP Cubic	5	193.39	68.99	0.70
FillP	5	433.11	69.92	5.26
FillP-Sheep	5	421.39	67.54	5.34
Indigo	5	96.14	77.20	0.13
Indigo-MusesC3	5	330.59	84.38	14.64
Indigo-MusesC5	5	332.45	73.04	27.13
Indigo-MusesD	5	323.06	75.66	13.68
Indigo-MusesT	5	341.69	68.67	10.65
LEDBAT	5	9.63	67.85	0.00
PCC-Allegro	5	414.24	69.41	2.85
PCC-Expr	4	12.44	66.54	29.95
QUIC Cubic	5	64.65	66.16	0.02
SCReAM	5	0.22	67.05	0.00
Sprout	5	1.75	68.98	0.00
TaoVA-100x	1	12.41	73.70	24.67
TCP Vegas	5	131.59	64.97	0.66
Verus	5	80.85	100.82	58.83
PCC-Vivace	5	208.44	68.41	0.87
WebRTC media	5	0.05	65.34	0.00

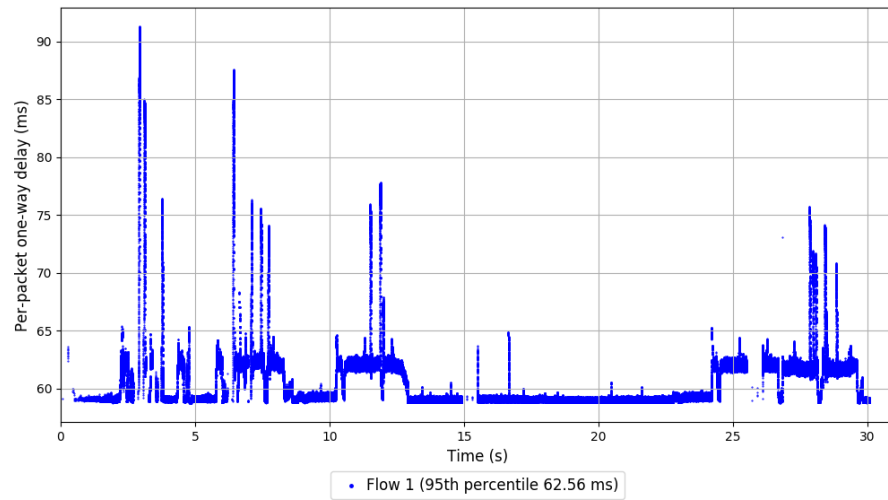
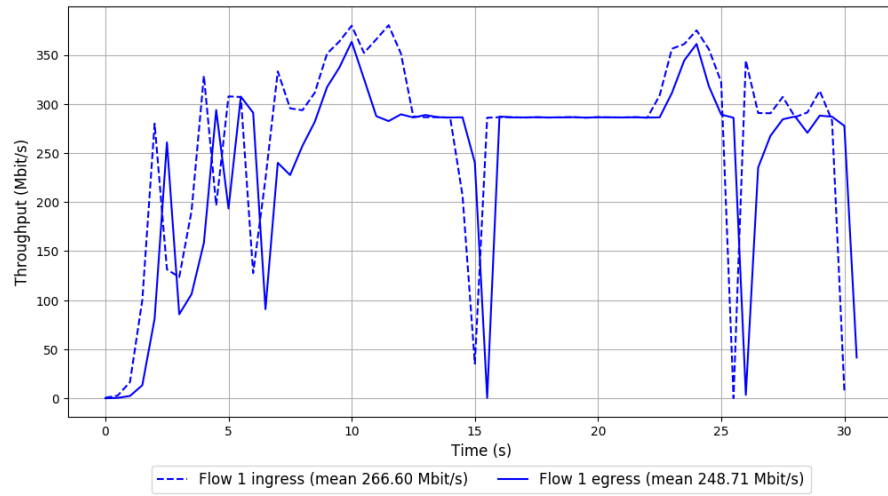


Run 1: Statistics of TCP BBR

Start at: 2019-03-18 19:40:41  
End at: 2019-03-18 19:41:11  
Local clock offset: 0.904 ms  
Remote clock offset: -39.473 ms

# Below is generated by plot.py at 2019-03-18 22:10:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 248.71 Mbit/s  
95th percentile per-packet one-way delay: 62.557 ms  
Loss rate: 6.71%  
-- Flow 1:  
Average throughput: 248.71 Mbit/s  
95th percentile per-packet one-way delay: 62.557 ms  
Loss rate: 6.71%

# Run 1: Report of TCP BBR — Data Link

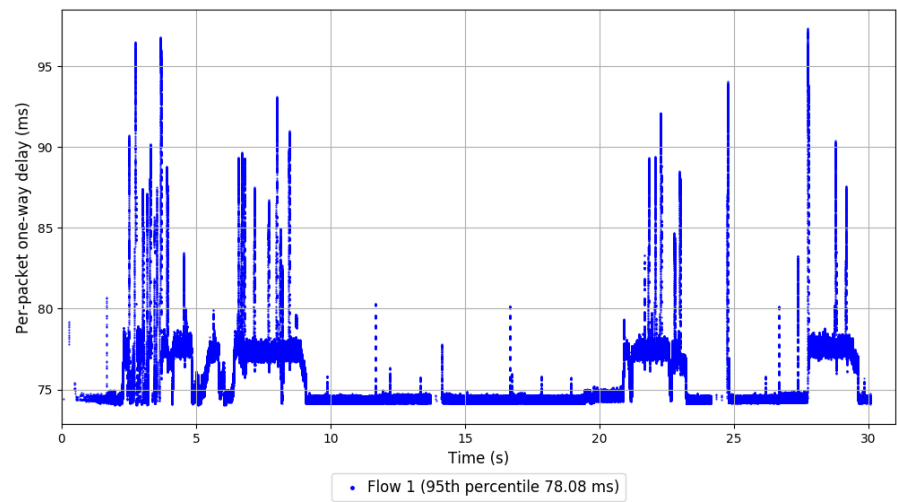
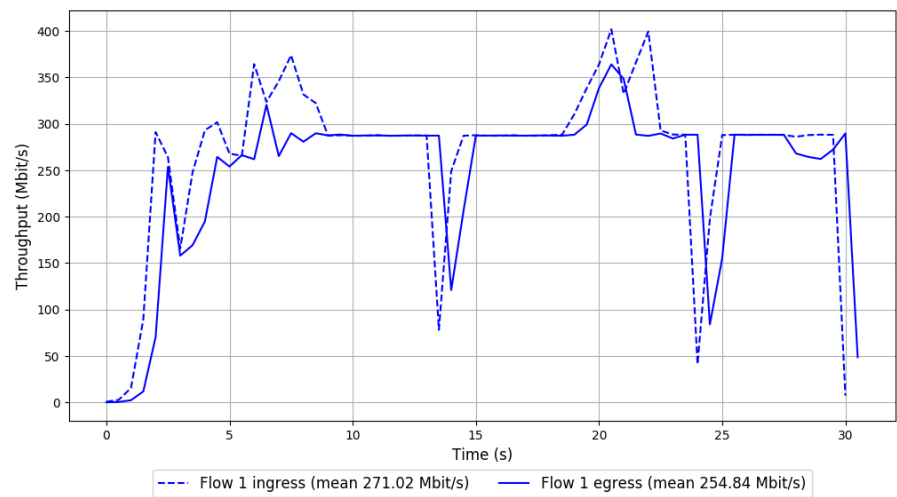


Run 2: Statistics of TCP BBR

Start at: 2019-03-18 20:19:17  
End at: 2019-03-18 20:19:47  
Local clock offset: -1.3 ms  
Remote clock offset: -28.028 ms

# Below is generated by plot.py at 2019-03-18 22:10:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 254.84 Mbit/s  
95th percentile per-packet one-way delay: 78.079 ms  
Loss rate: 5.98%  
-- Flow 1:  
Average throughput: 254.84 Mbit/s  
95th percentile per-packet one-way delay: 78.079 ms  
Loss rate: 5.98%

Run 2: Report of TCP BBR — Data Link

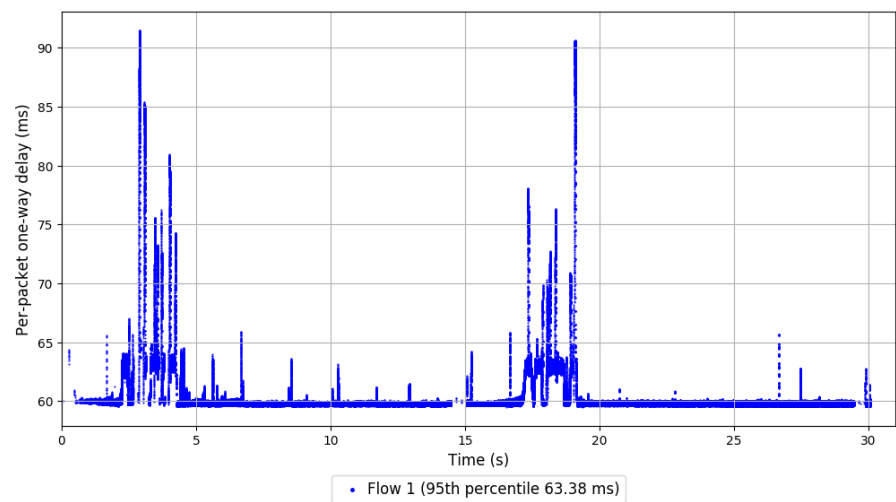
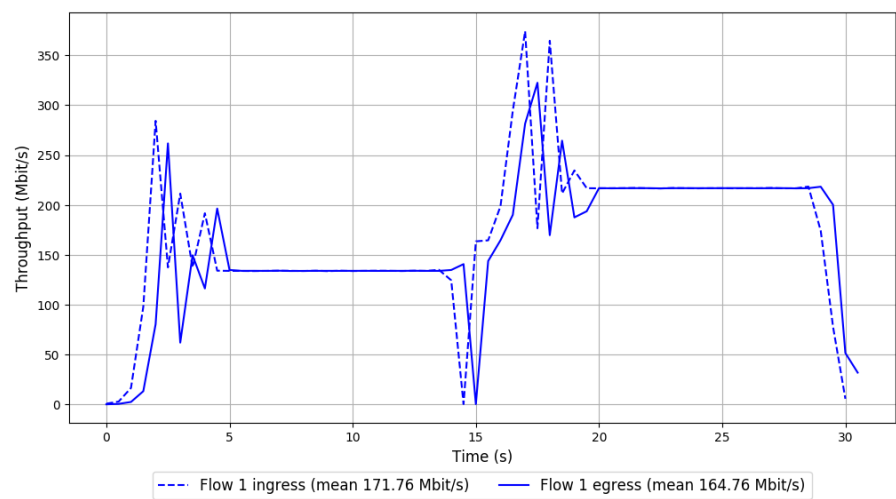


Run 3: Statistics of TCP BBR

Start at: 2019-03-18 20:46:46  
End at: 2019-03-18 20:47:16  
Local clock offset: 1.364 ms  
Remote clock offset: -36.529 ms

# Below is generated by plot.py at 2019-03-18 22:10:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 164.76 Mbit/s  
95th percentile per-packet one-way delay: 63.384 ms  
Loss rate: 4.07%  
-- Flow 1:  
Average throughput: 164.76 Mbit/s  
95th percentile per-packet one-way delay: 63.384 ms  
Loss rate: 4.07%

Run 3: Report of TCP BBR — Data Link

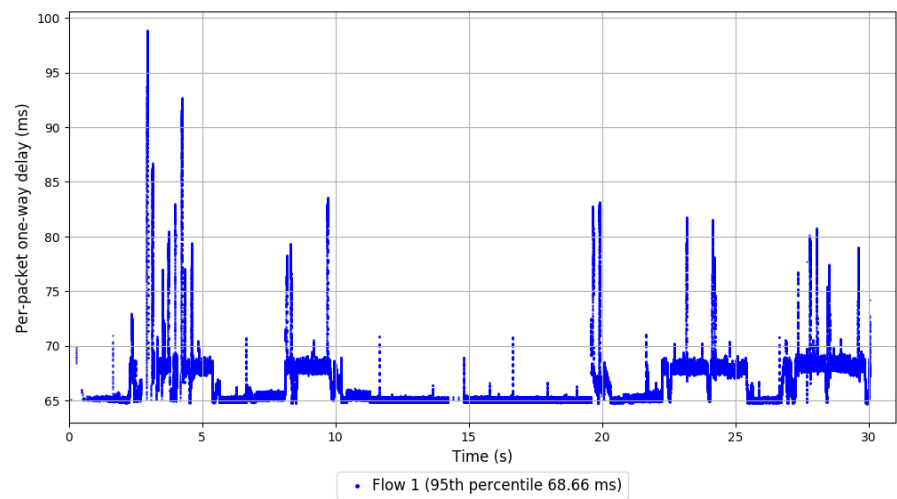
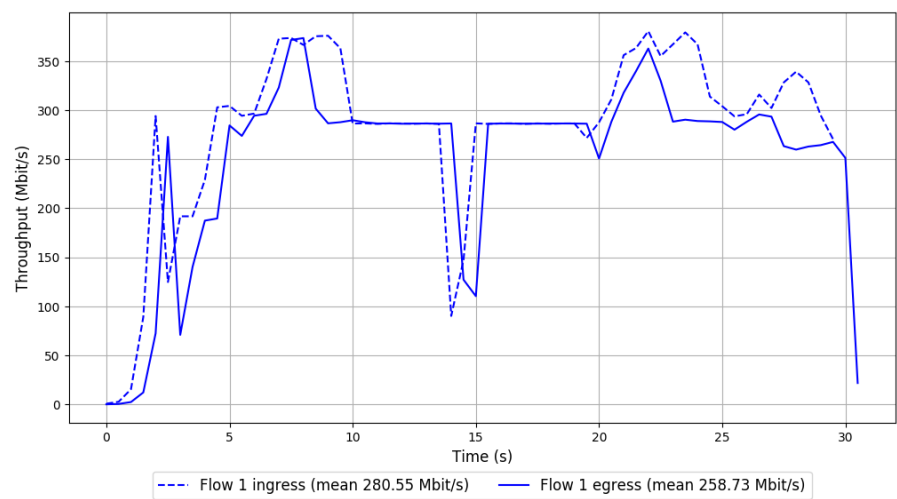


Run 4: Statistics of TCP BBR

Start at: 2019-03-18 21:19:46  
End at: 2019-03-18 21:20:16  
Local clock offset: 1.522 ms  
Remote clock offset: -30.61 ms

# Below is generated by plot.py at 2019-03-18 22:10:17  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 258.73 Mbit/s  
95th percentile per-packet one-way delay: 68.658 ms  
Loss rate: 7.78%  
-- Flow 1:  
Average throughput: 258.73 Mbit/s  
95th percentile per-packet one-way delay: 68.658 ms  
Loss rate: 7.78%

Run 4: Report of TCP BBR — Data Link



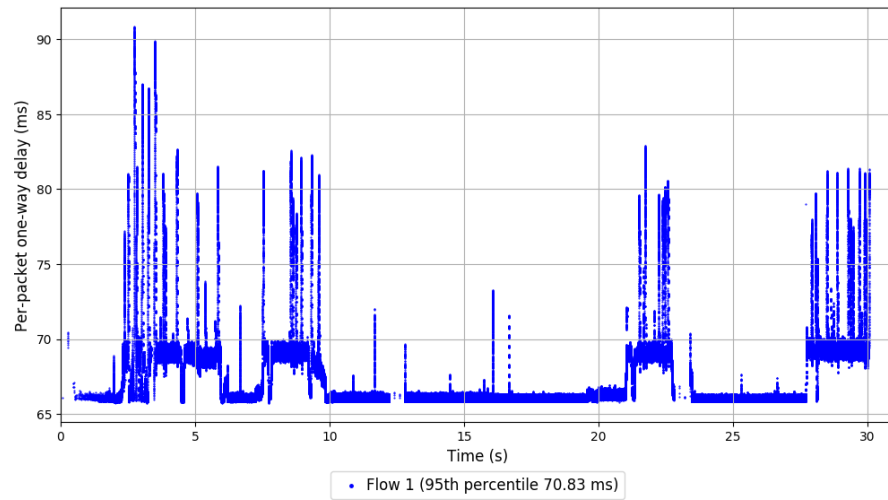
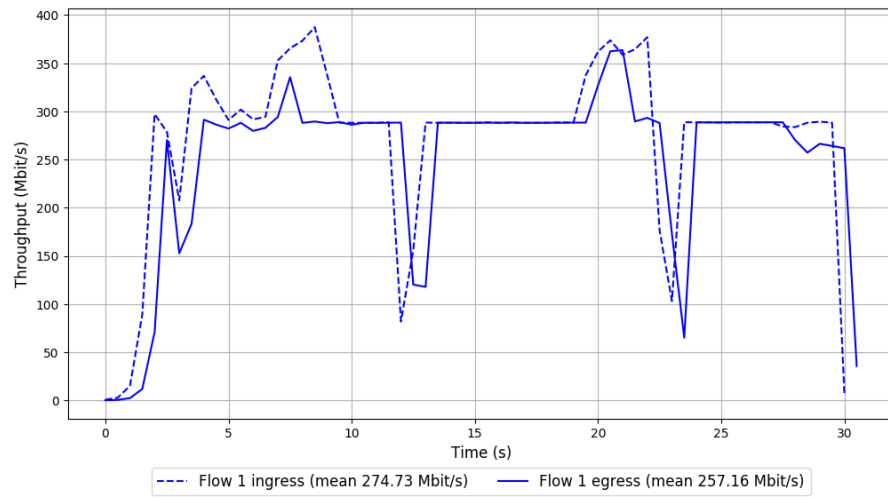


Run 5: Statistics of TCP BBR

Start at: 2019-03-18 21:47:13  
End at: 2019-03-18 21:47:43  
Local clock offset: -0.88 ms  
Remote clock offset: -29.966 ms

# Below is generated by plot.py at 2019-03-18 22:10:17  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 257.16 Mbit/s  
95th percentile per-packet one-way delay: 70.826 ms  
Loss rate: 6.39%  
-- Flow 1:  
Average throughput: 257.16 Mbit/s  
95th percentile per-packet one-way delay: 70.826 ms  
Loss rate: 6.39%

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



Run 1: Statistics of Copa

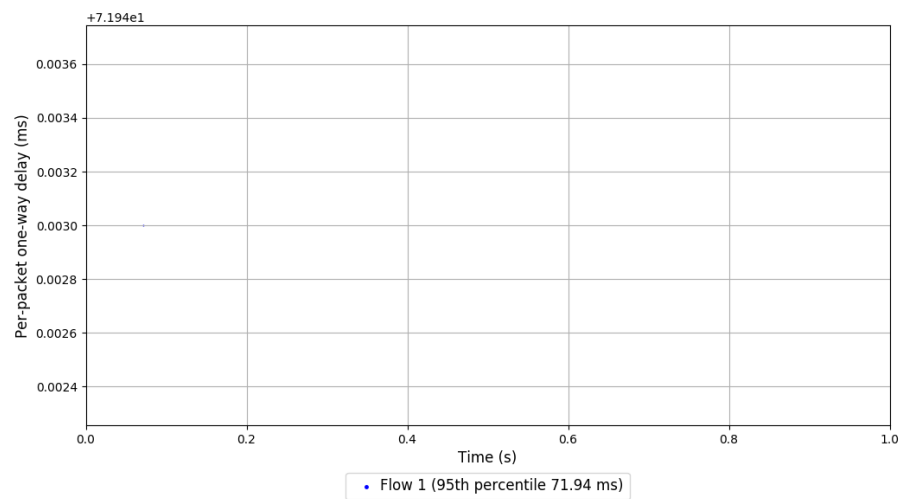
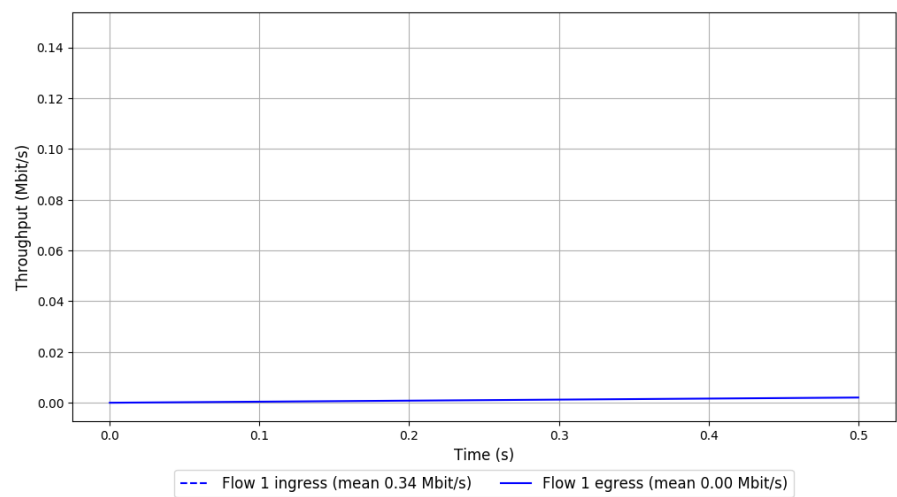
Start at: 2019-03-18 19:51:29

End at: 2019-03-18 19:51:59

Local clock offset: 0.391 ms

Remote clock offset: -28.889 ms

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

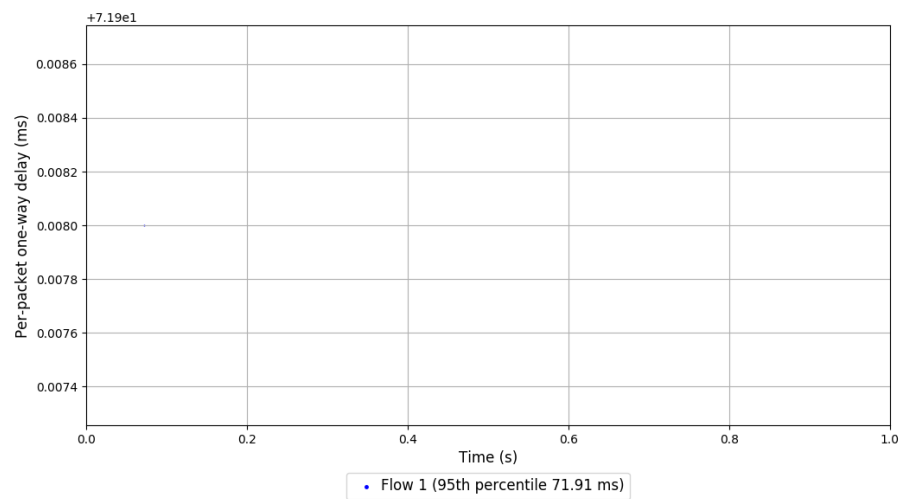
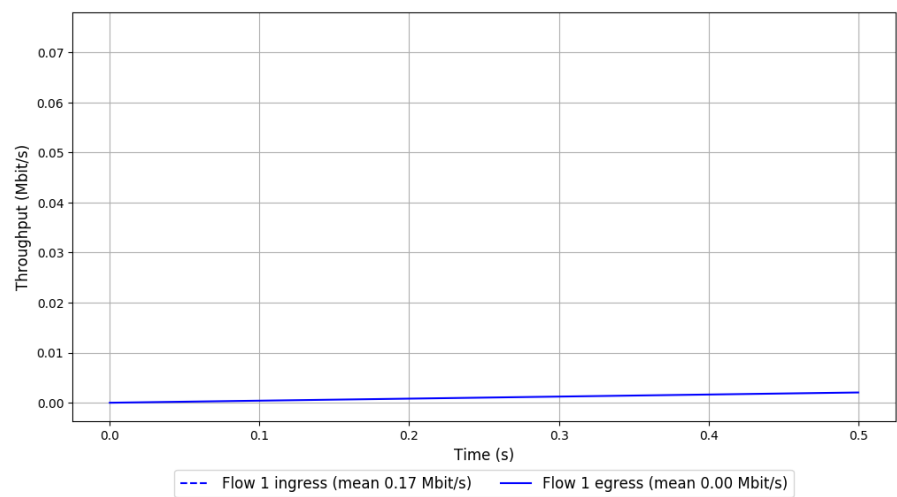
Start at: 2019-03-18 20:24:26

End at: 2019-03-18 20:24:56

Local clock offset: -1.022 ms

Remote clock offset: -28.254 ms

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

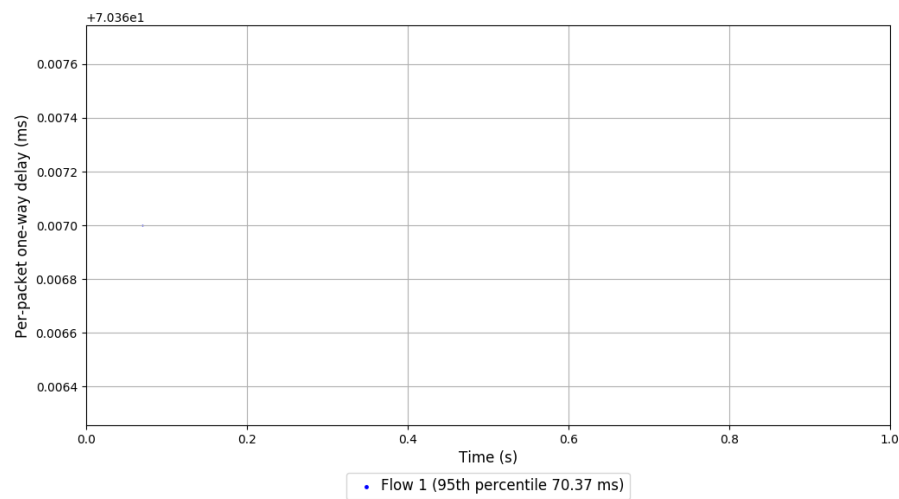
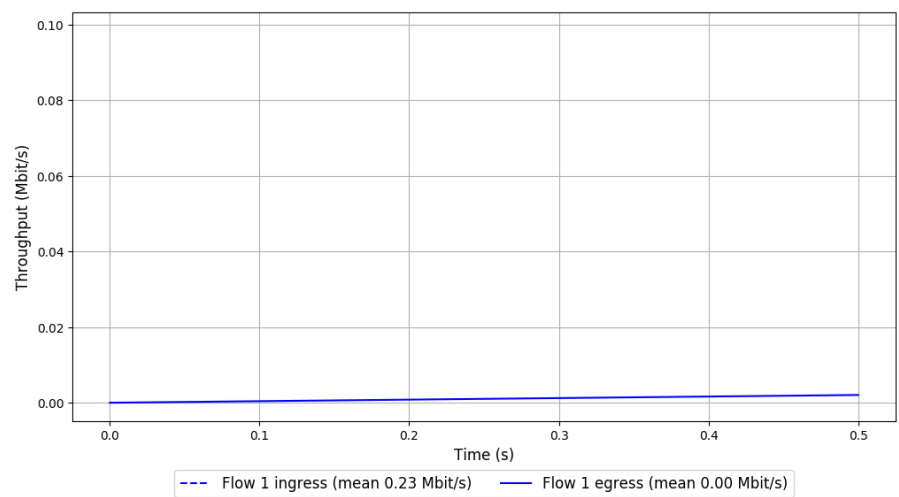
Start at: 2019-03-18 20:51:50

End at: 2019-03-18 20:52:20

Local clock offset: 0.528 ms

Remote clock offset: -28.727 ms

Run 3: Report of Copa — Data Link





Run 4: Statistics of Copa

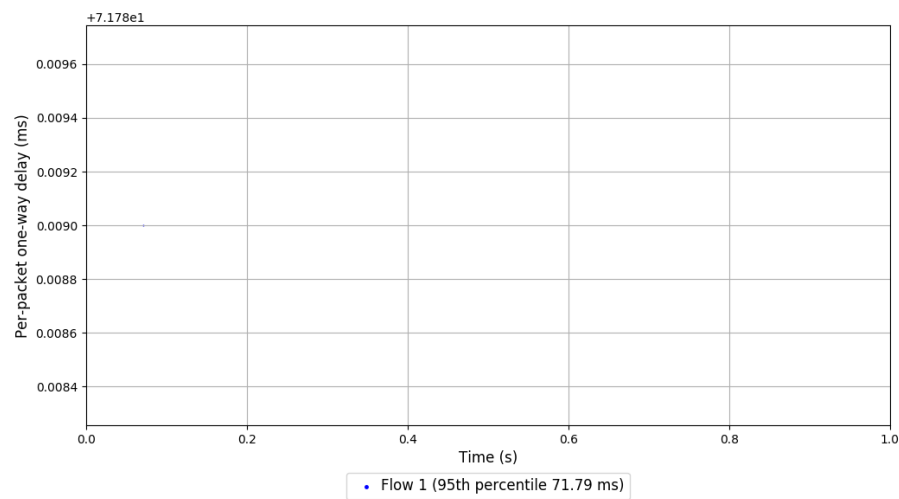
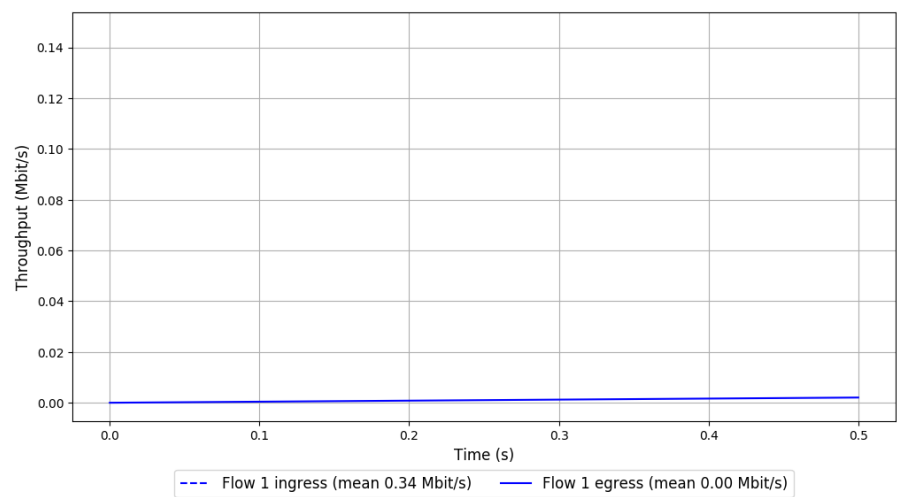
Start at: 2019-03-18 21:24:56

End at: 2019-03-18 21:25:26

Local clock offset: -2.439 ms

Remote clock offset: -24.851 ms

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

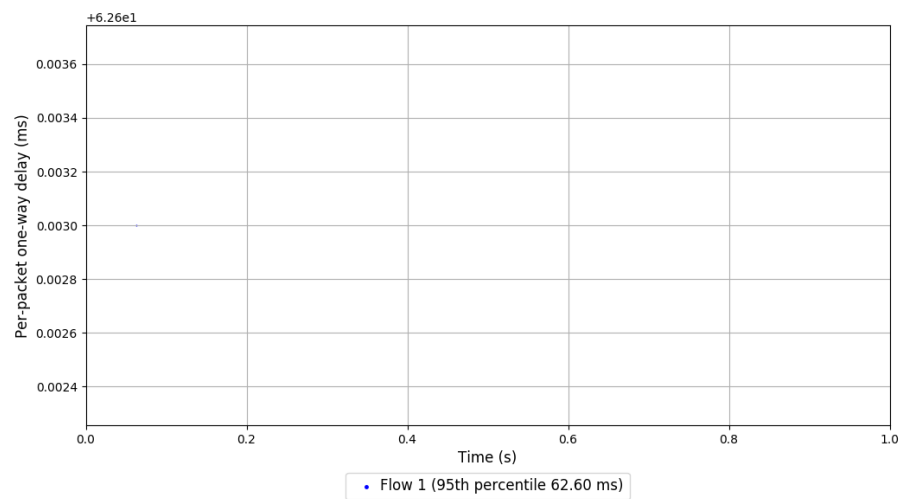
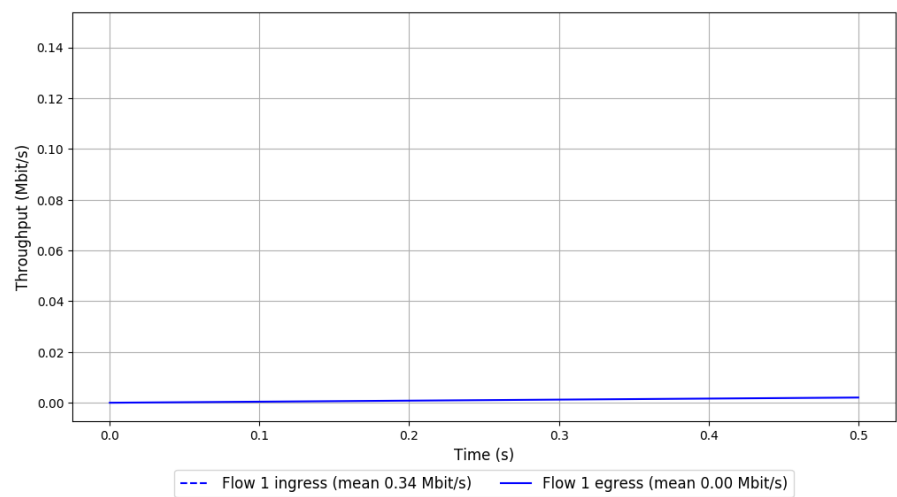
Start at: 2019-03-18 21:52:21

End at: 2019-03-18 21:52:51

Local clock offset: 0.278 ms

Remote clock offset: -32.776 ms

Run 5: Report of Copa — Data Link

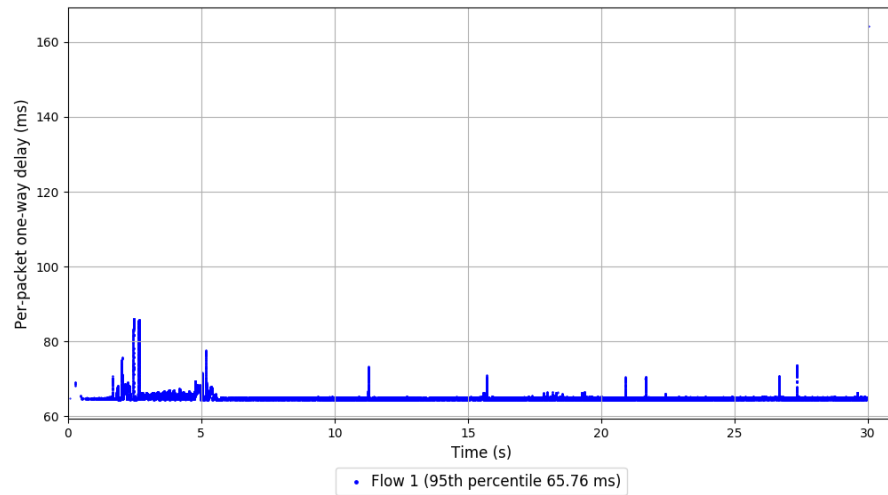
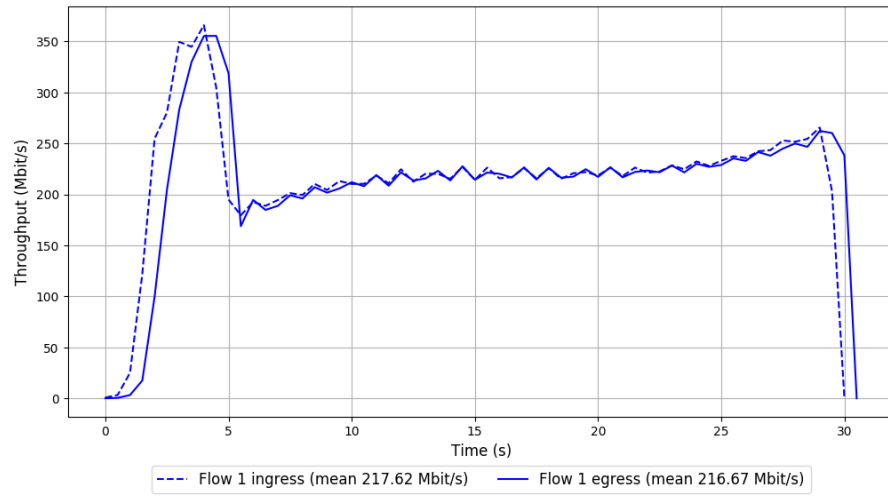


Run 1: Statistics of TCP Cubic

Start at: 2019-03-18 19:39:21  
End at: 2019-03-18 19:39:51  
Local clock offset: 0.313 ms  
Remote clock offset: -34.468 ms

# Below is generated by plot.py at 2019-03-18 22:10:17  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 216.67 Mbit/s  
95th percentile per-packet one-way delay: 65.756 ms  
Loss rate: 0.57%  
-- Flow 1:  
Average throughput: 216.67 Mbit/s  
95th percentile per-packet one-way delay: 65.756 ms  
Loss rate: 0.57%

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

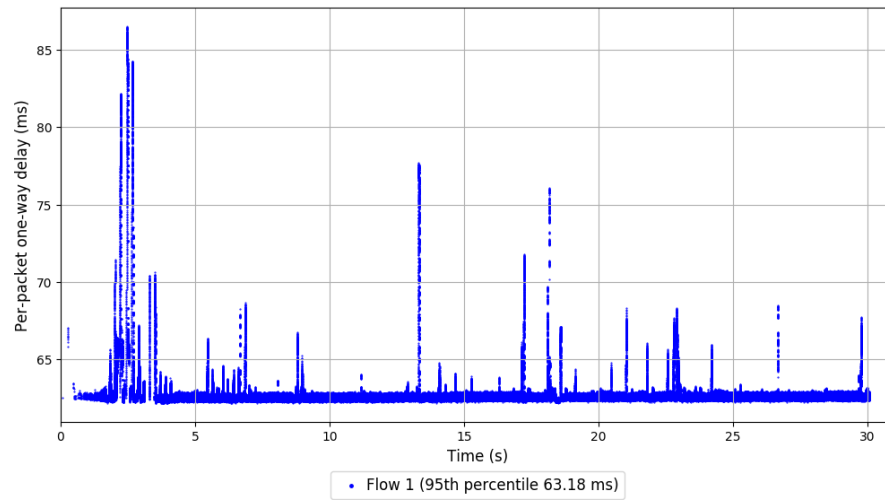
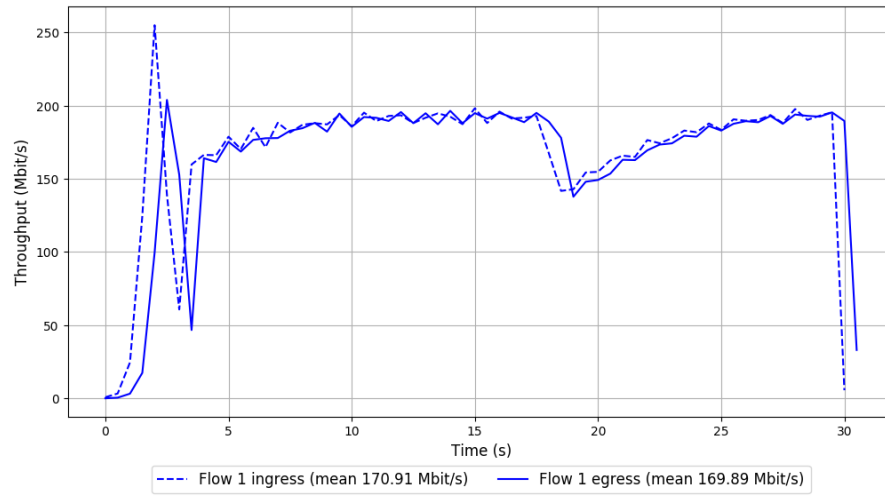


Run 2: Statistics of TCP Cubic

Start at: 2019-03-18 20:17:50  
End at: 2019-03-18 20:18:20  
Local clock offset: 1.035 ms  
Remote clock offset: -35.23 ms

# Below is generated by plot.py at 2019-03-18 22:10:17  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 169.89 Mbit/s  
95th percentile per-packet one-way delay: 63.182 ms  
Loss rate: 0.60%  
-- Flow 1:  
Average throughput: 169.89 Mbit/s  
95th percentile per-packet one-way delay: 63.182 ms  
Loss rate: 0.60%

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



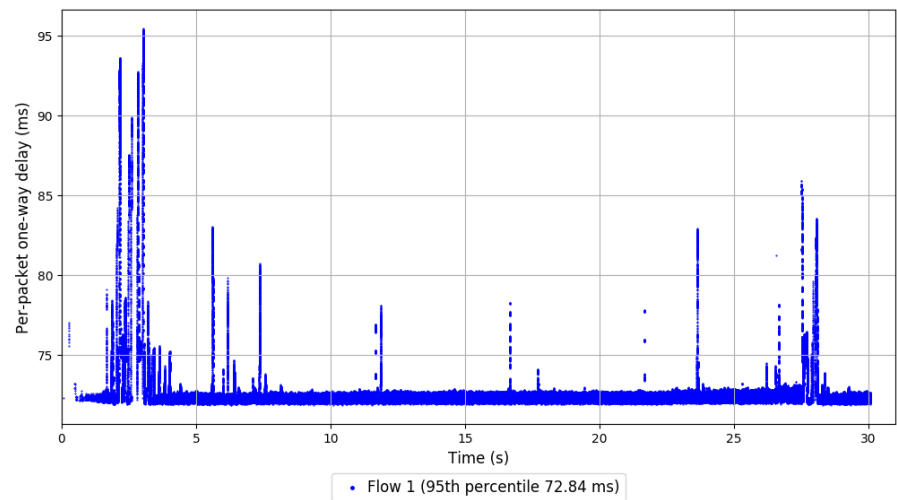
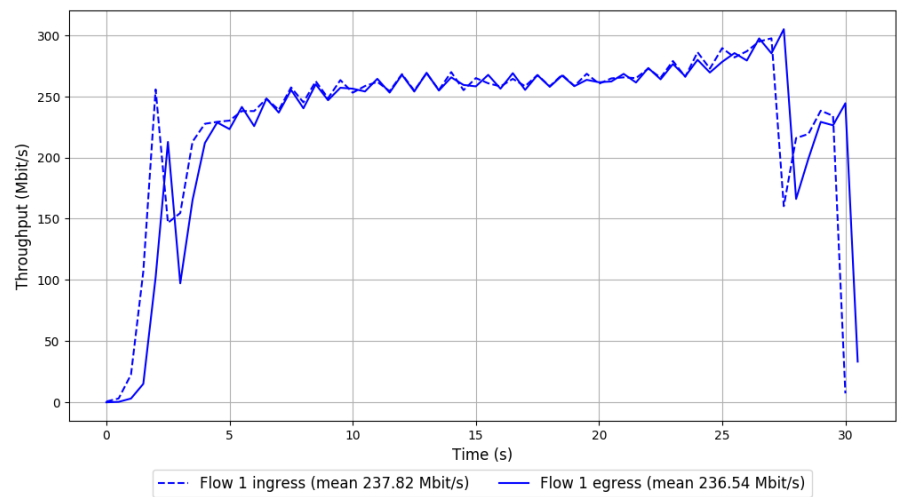


Run 3: Statistics of TCP Cubic

Start at: 2019-03-18 20:45:25  
End at: 2019-03-18 20:45:55  
Local clock offset: 3.216 ms  
Remote clock offset: -24.754 ms

# Below is generated by plot.py at 2019-03-18 22:10:17  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 236.54 Mbit/s  
95th percentile per-packet one-way delay: 72.844 ms  
Loss rate: 0.54%  
-- Flow 1:  
Average throughput: 236.54 Mbit/s  
95th percentile per-packet one-way delay: 72.844 ms  
Loss rate: 0.54%

Run 3: Report of TCP Cubic — Data Link

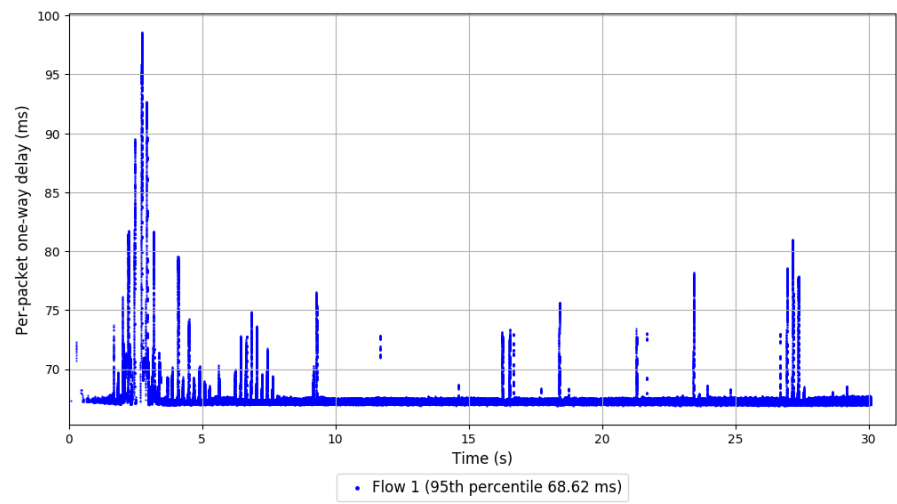
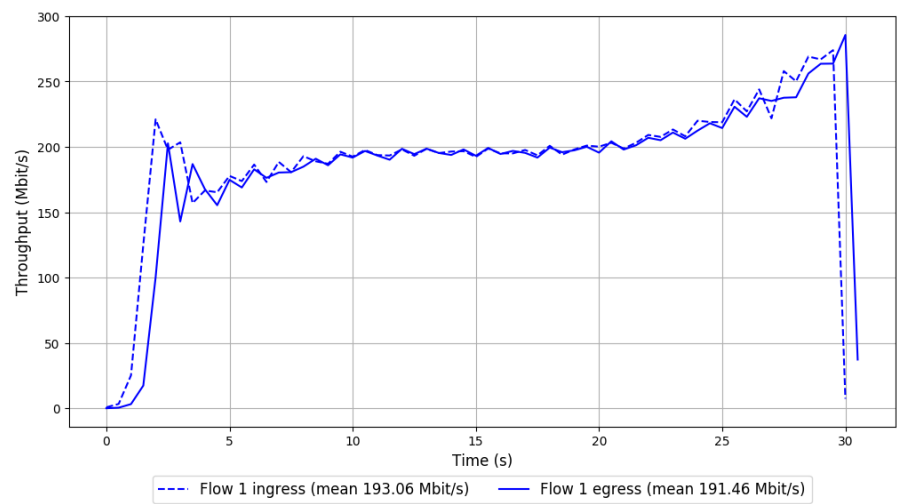


Run 4: Statistics of TCP Cubic

Start at: 2019-03-18 21:18:27  
End at: 2019-03-18 21:18:57  
Local clock offset: -3.227 ms  
Remote clock offset: -30.834 ms

# Below is generated by plot.py at 2019-03-18 22:11:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 191.46 Mbit/s  
95th percentile per-packet one-way delay: 68.619 ms  
Loss rate: 0.83%  
-- Flow 1:  
Average throughput: 191.46 Mbit/s  
95th percentile per-packet one-way delay: 68.619 ms  
Loss rate: 0.83%

Run 4: Report of TCP Cubic — Data Link

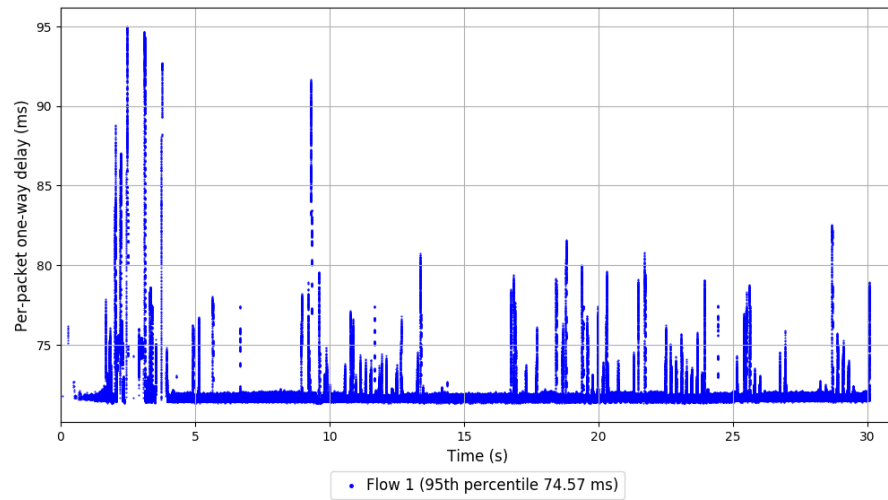
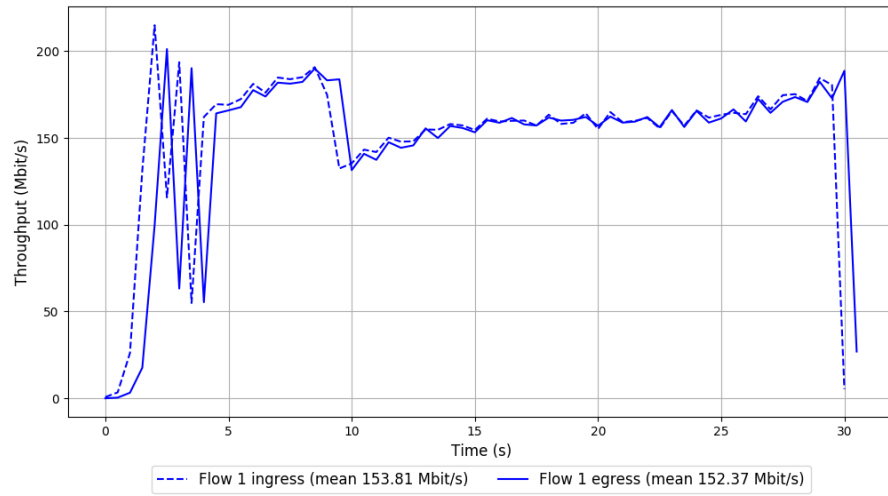


Run 5: Statistics of TCP Cubic

Start at: 2019-03-18 21:45:55  
End at: 2019-03-18 21:46:25  
Local clock offset: -0.624 ms  
Remote clock offset: -21.578 ms

# Below is generated by plot.py at 2019-03-18 22:11:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 152.37 Mbit/s  
95th percentile per-packet one-way delay: 74.574 ms  
Loss rate: 0.94%  
-- Flow 1:  
Average throughput: 152.37 Mbit/s  
95th percentile per-packet one-way delay: 74.574 ms  
Loss rate: 0.94%

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

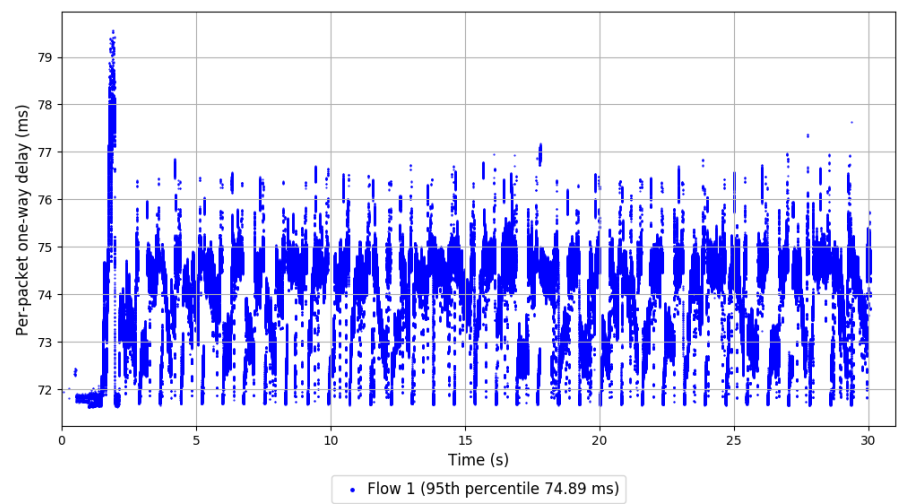
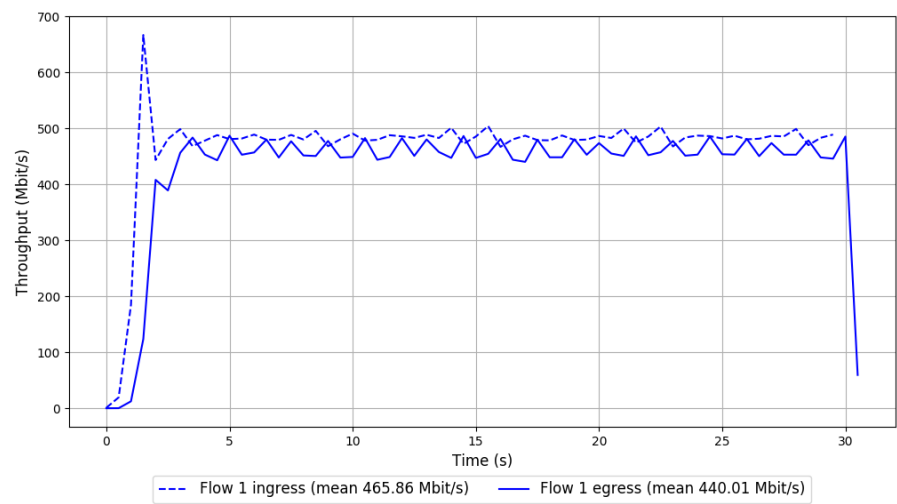


Run 1: Statistics of FillP

Start at: 2019-03-18 19:55:21  
End at: 2019-03-18 19:55:51  
Local clock offset: -0.292 ms  
Remote clock offset: -29.221 ms

# Below is generated by plot.py at 2019-03-18 22:16:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 440.01 Mbit/s  
95th percentile per-packet one-way delay: 74.892 ms  
Loss rate: 5.55%  
-- Flow 1:  
Average throughput: 440.01 Mbit/s  
95th percentile per-packet one-way delay: 74.892 ms  
Loss rate: 5.55%

Run 1: Report of FillP — Data Link



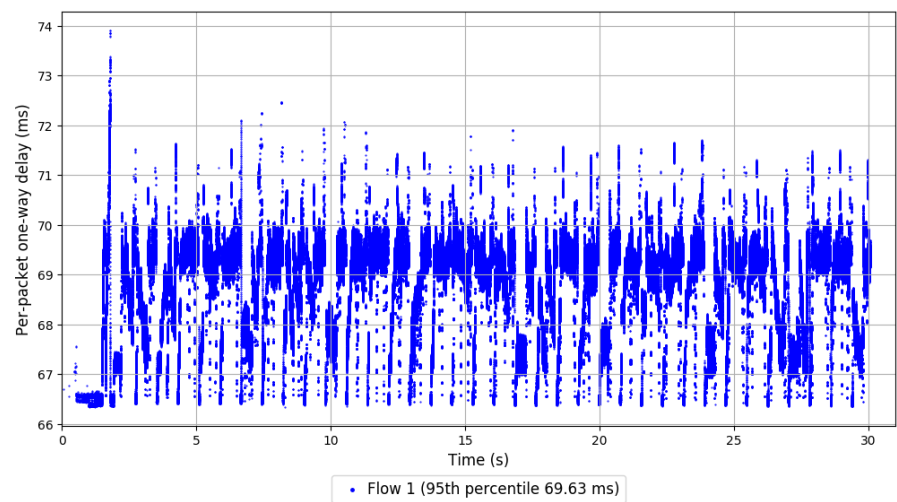
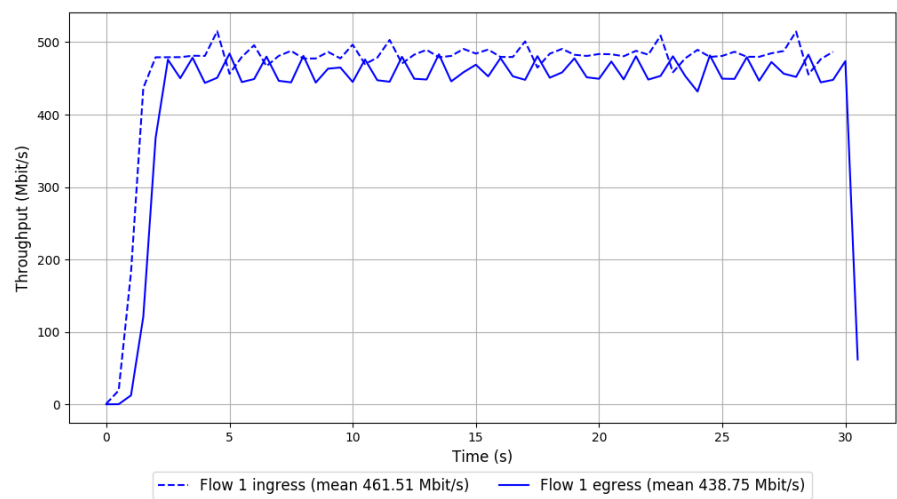


Run 2: Statistics of FillP

Start at: 2019-03-18 20:28:20  
End at: 2019-03-18 20:28:50  
Local clock offset: 1.428 ms  
Remote clock offset: -32.803 ms

# Below is generated by plot.py at 2019-03-18 22:16:21  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 438.75 Mbit/s  
95th percentile per-packet one-way delay: 69.629 ms  
Loss rate: 4.93%  
-- Flow 1:  
Average throughput: 438.75 Mbit/s  
95th percentile per-packet one-way delay: 69.629 ms  
Loss rate: 4.93%

Run 2: Report of FillP — Data Link

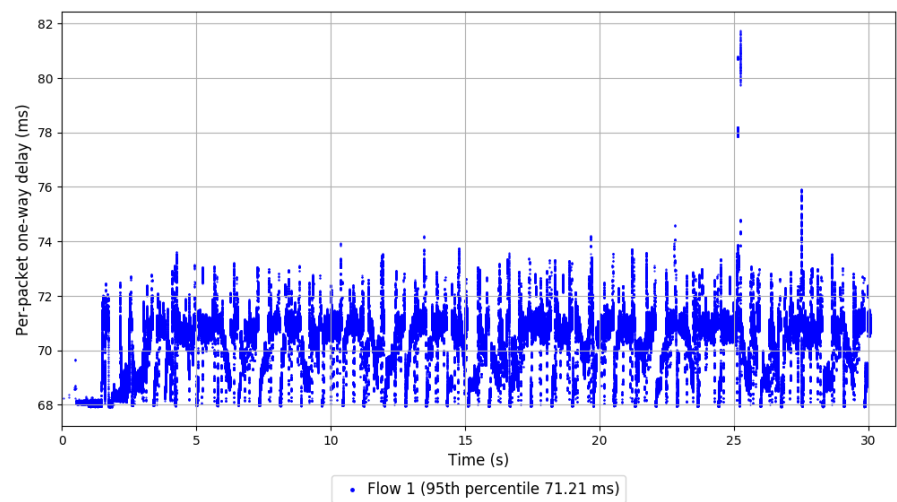
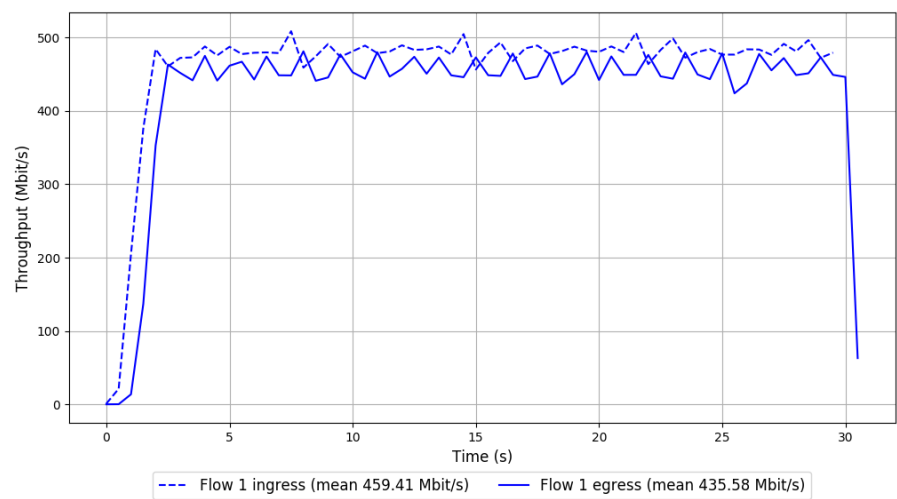


Run 3: Statistics of FillP

Start at: 2019-03-18 20:55:41  
End at: 2019-03-18 20:56:11  
Local clock offset: 2.848 ms  
Remote clock offset: -25.583 ms

# Below is generated by plot.py at 2019-03-18 22:16:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 435.58 Mbit/s  
95th percentile per-packet one-way delay: 71.208 ms  
Loss rate: 5.18%  
-- Flow 1:  
Average throughput: 435.58 Mbit/s  
95th percentile per-packet one-way delay: 71.208 ms  
Loss rate: 5.18%

Run 3: Report of FillP — Data Link

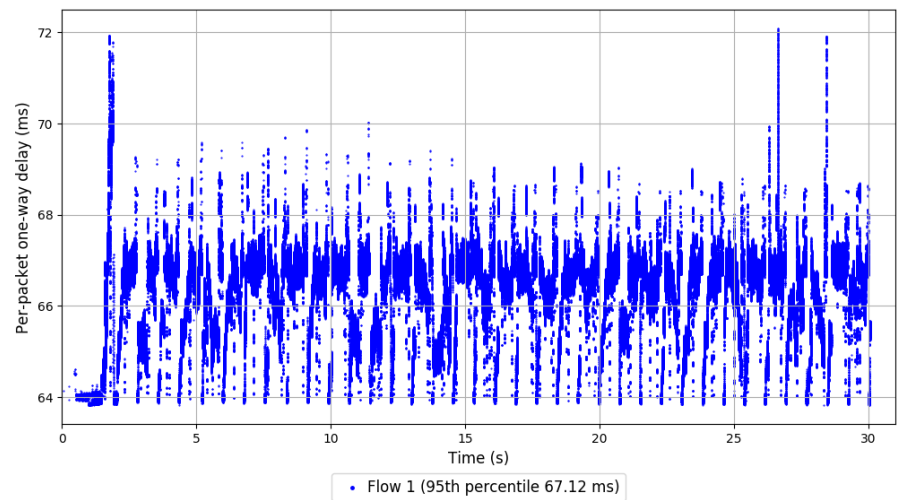
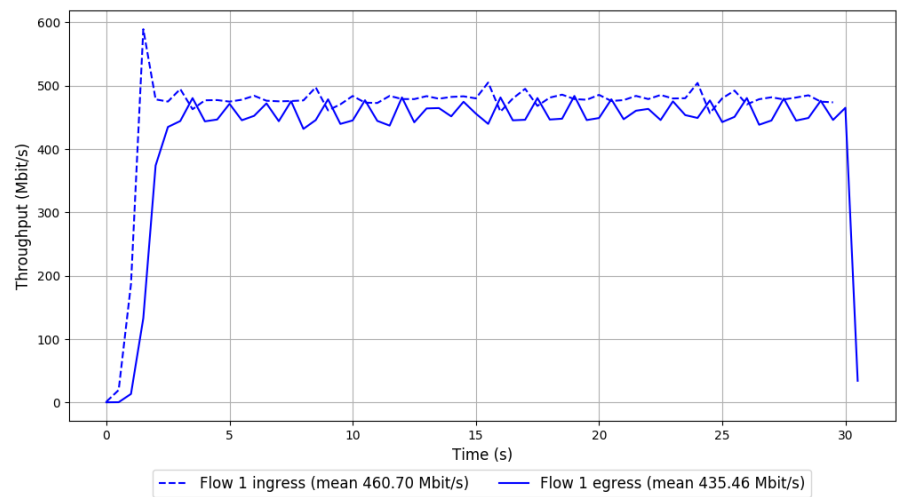


Run 4: Statistics of FillP

Start at: 2019-03-18 21:28:48  
End at: 2019-03-18 21:29:18  
Local clock offset: 0.026 ms  
Remote clock offset: -29.354 ms

# Below is generated by plot.py at 2019-03-18 22:16:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 435.46 Mbit/s  
95th percentile per-packet one-way delay: 67.116 ms  
Loss rate: 5.47%  
-- Flow 1:  
Average throughput: 435.46 Mbit/s  
95th percentile per-packet one-way delay: 67.116 ms  
Loss rate: 5.47%

Run 4: Report of FillP — Data Link

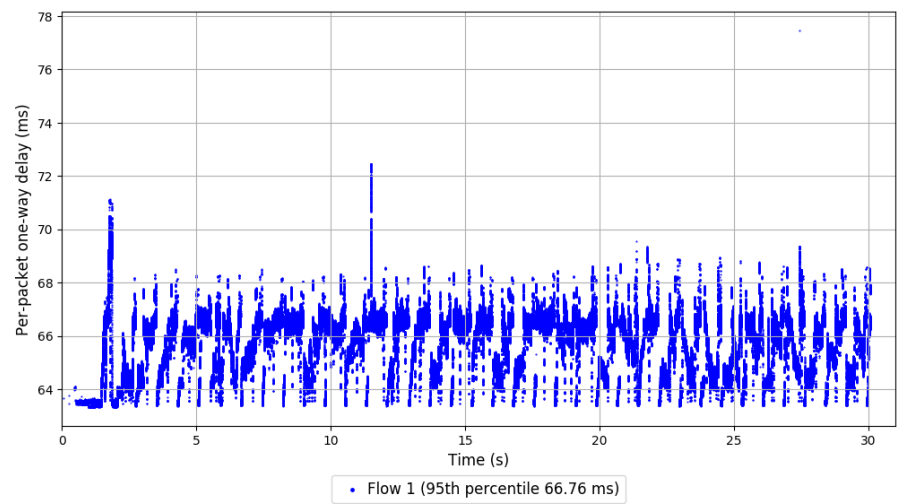
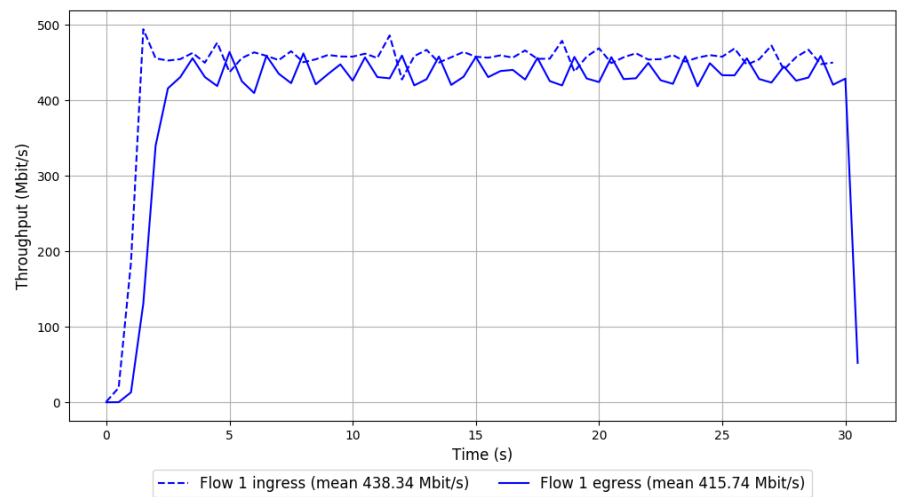


Run 5: Statistics of FillP

Start at: 2019-03-18 21:56:13  
End at: 2019-03-18 21:56:43  
Local clock offset: 0.669 ms  
Remote clock offset: -28.814 ms

# Below is generated by plot.py at 2019-03-18 22:16:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 415.74 Mbit/s  
95th percentile per-packet one-way delay: 66.757 ms  
Loss rate: 5.15%  
-- Flow 1:  
Average throughput: 415.74 Mbit/s  
95th percentile per-packet one-way delay: 66.757 ms  
Loss rate: 5.15%

Run 5: Report of FillP — Data Link





Run 1: Statistics of FillP-Sheep

Start at: 2019-03-18 19:30:49

End at: 2019-03-18 19:31:19

Local clock offset: 1.245 ms

Remote clock offset: -34.494 ms

# Below is generated by plot.py at 2019-03-18 22:16:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 405.78 Mbit/s

95th percentile per-packet one-way delay: 67.459 ms

Loss rate: 5.64%

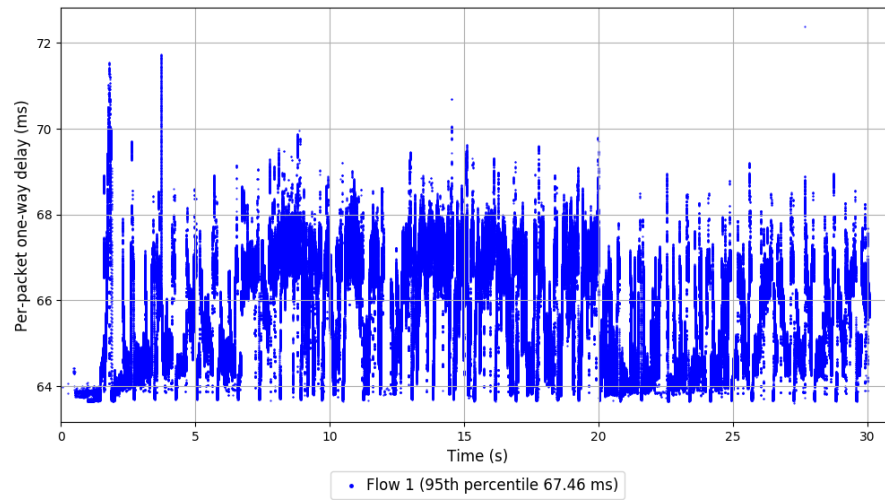
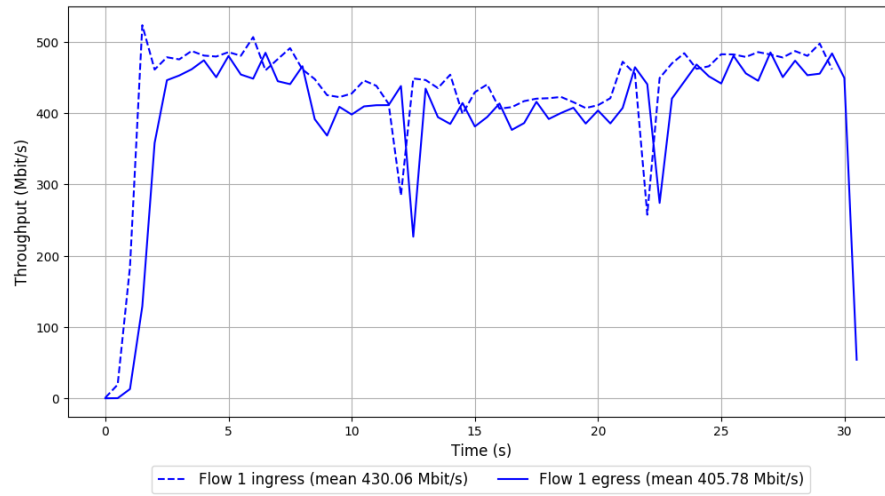
-- Flow 1:

Average throughput: 405.78 Mbit/s

95th percentile per-packet one-way delay: 67.459 ms

Loss rate: 5.64%

# Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2019-03-18 20:09:31

End at: 2019-03-18 20:10:01

Local clock offset: -0.252 ms

Remote clock offset: -36.573 ms

# Below is generated by plot.py at 2019-03-18 22:17:16

# Datalink statistics

-- Total of 1 flow:

Average throughput: 432.82 Mbit/s

95th percentile per-packet one-way delay: 64.833 ms

Loss rate: 5.02%

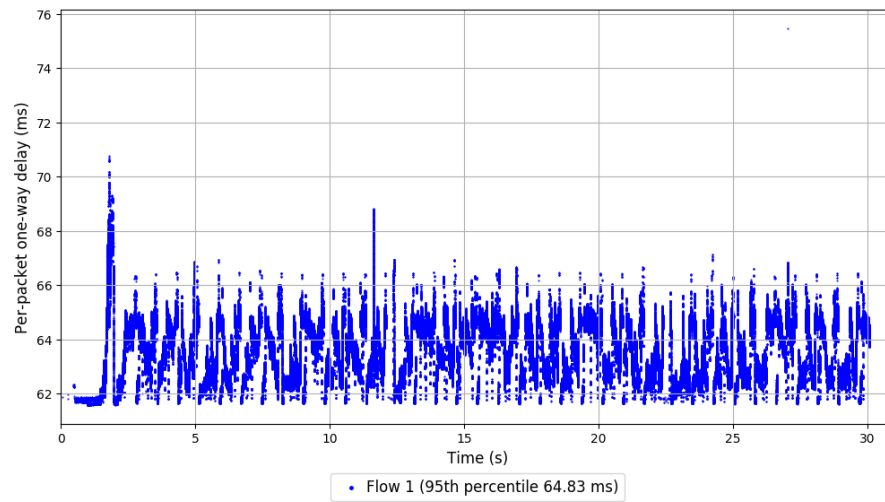
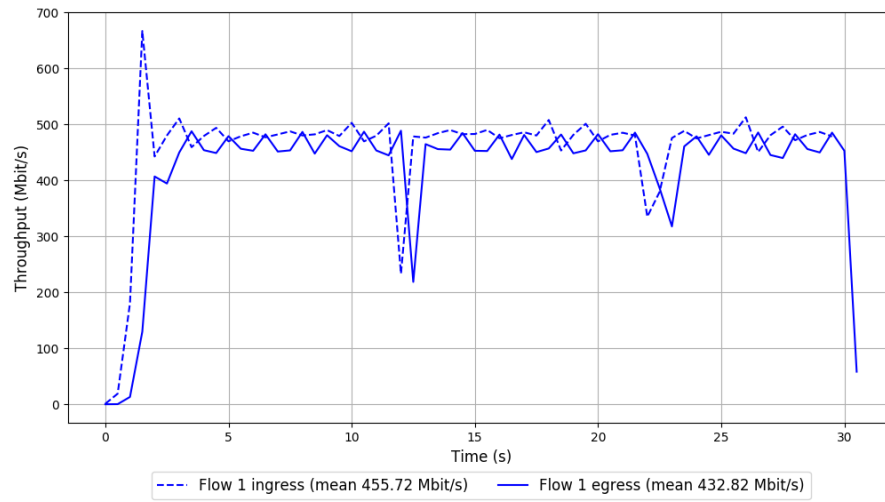
-- Flow 1:

Average throughput: 432.82 Mbit/s

95th percentile per-packet one-way delay: 64.833 ms

Loss rate: 5.02%

## Run 2: Report of FillP-Sheep — Data Link

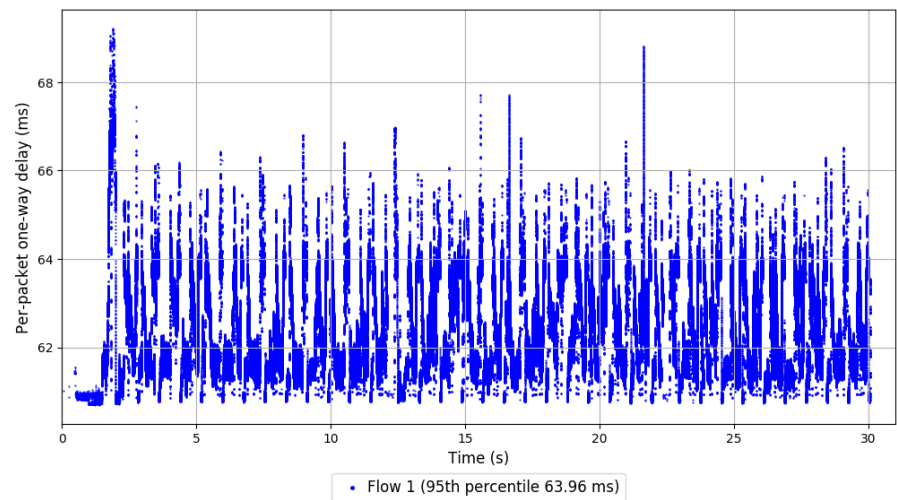
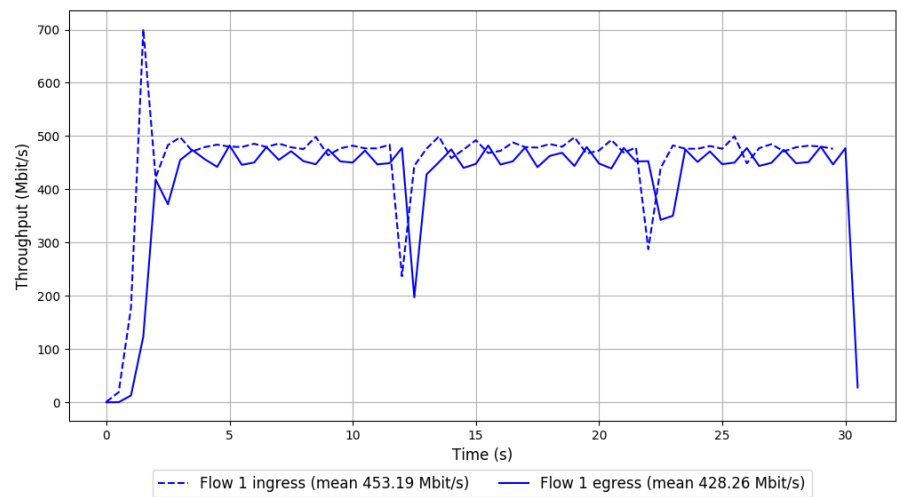


Run 3: Statistics of FillP-Sheep

Start at: 2019-03-18 20:42:32  
End at: 2019-03-18 20:43:02  
Local clock offset: 2.343 ms  
Remote clock offset: -36.839 ms

# Below is generated by plot.py at 2019-03-18 22:17:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 428.26 Mbit/s  
95th percentile per-packet one-way delay: 63.959 ms  
Loss rate: 5.50%  
-- Flow 1:  
Average throughput: 428.26 Mbit/s  
95th percentile per-packet one-way delay: 63.959 ms  
Loss rate: 5.50%

Run 3: Report of FillP-Sheep — Data Link

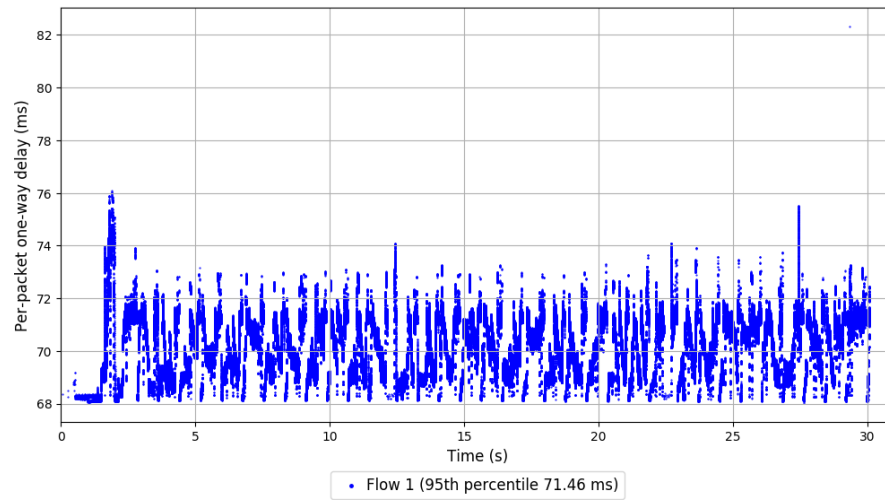
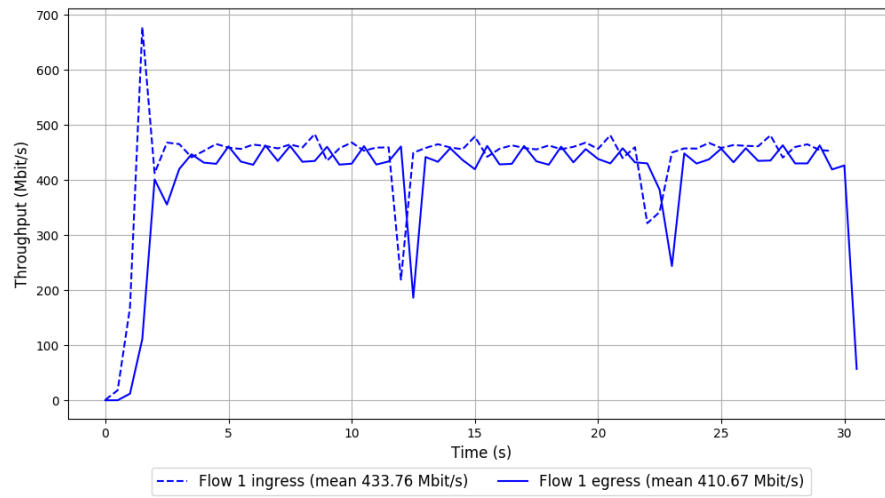


Run 4: Statistics of FillP-Sheep

Start at: 2019-03-18 21:15:33  
End at: 2019-03-18 21:16:03  
Local clock offset: -0.262 ms  
Remote clock offset: -29.825 ms

# Below is generated by plot.py at 2019-03-18 22:21:44  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 410.67 Mbit/s  
95th percentile per-packet one-way delay: 71.461 ms  
Loss rate: 5.32%  
-- Flow 1:  
Average throughput: 410.67 Mbit/s  
95th percentile per-packet one-way delay: 71.461 ms  
Loss rate: 5.32%

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



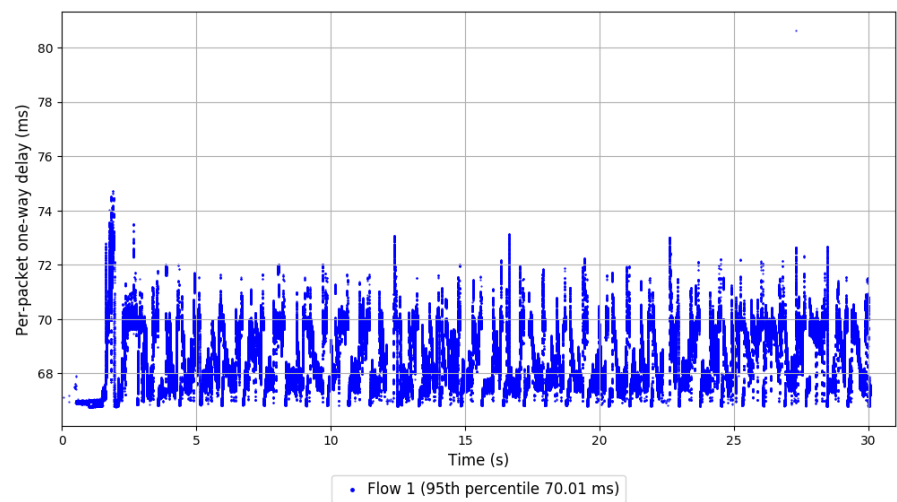
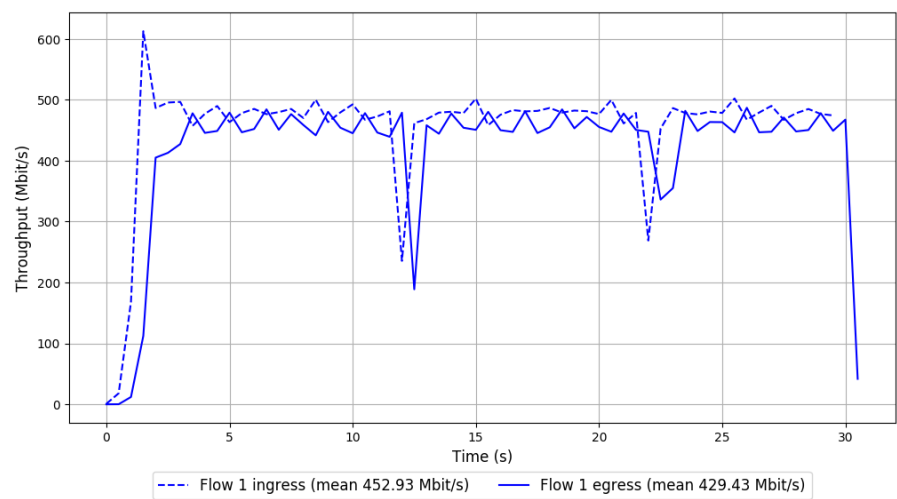


Run 5: Statistics of FillP-Sheep

Start at: 2019-03-18 21:43:02  
End at: 2019-03-18 21:43:32  
Local clock offset: -0.681 ms  
Remote clock offset: -28.579 ms

# Below is generated by plot.py at 2019-03-18 22:21:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 429.43 Mbit/s  
95th percentile per-packet one-way delay: 70.012 ms  
Loss rate: 5.20%  
-- Flow 1:  
Average throughput: 429.43 Mbit/s  
95th percentile per-packet one-way delay: 70.012 ms  
Loss rate: 5.20%

Run 5: Report of FillP-Sheep — Data Link

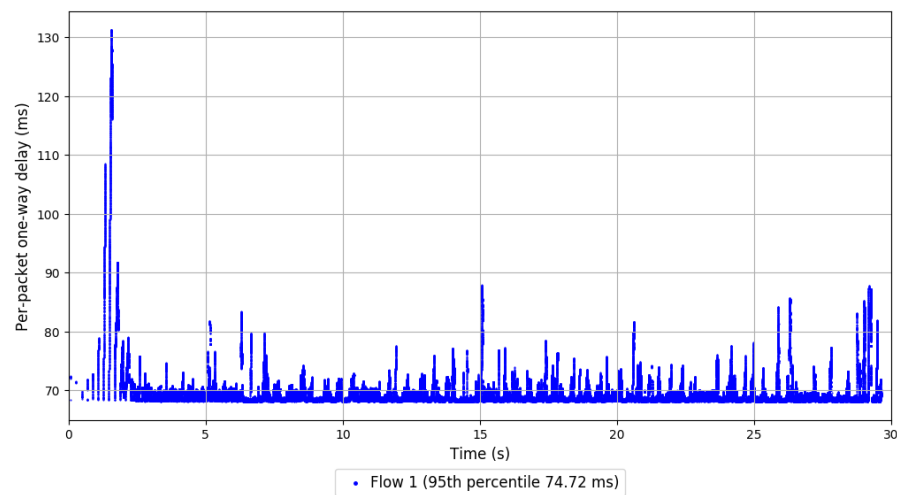
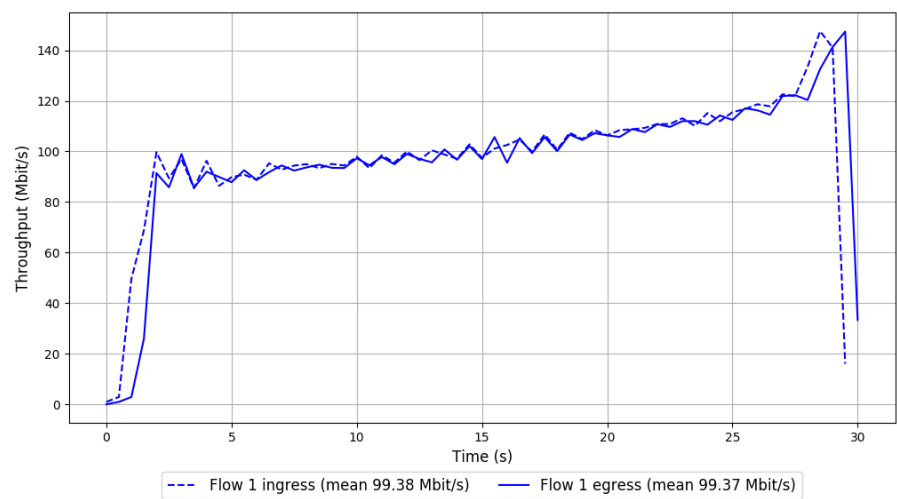


```
Run 1: Statistics of Indigo

Start at: 2019-03-18 19:54:04
End at: 2019-03-18 19:54:34
Local clock offset: -0.841 ms
Remote clock offset: -31.408 ms

# Below is generated by plot.py at 2019-03-18 22:21:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 99.37 Mbit/s
95th percentile per-packet one-way delay: 74.722 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 99.37 Mbit/s
95th percentile per-packet one-way delay: 74.722 ms
Loss rate: 0.01%
```

Run 1: Report of Indigo — Data Link

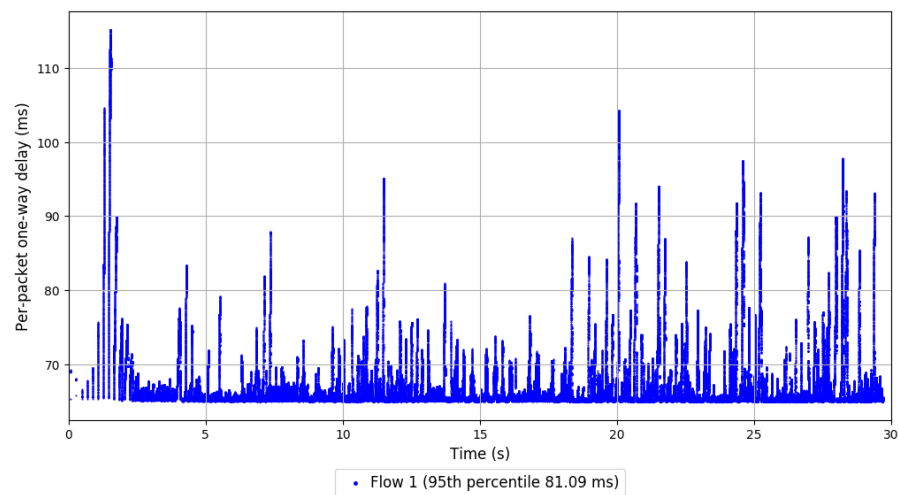
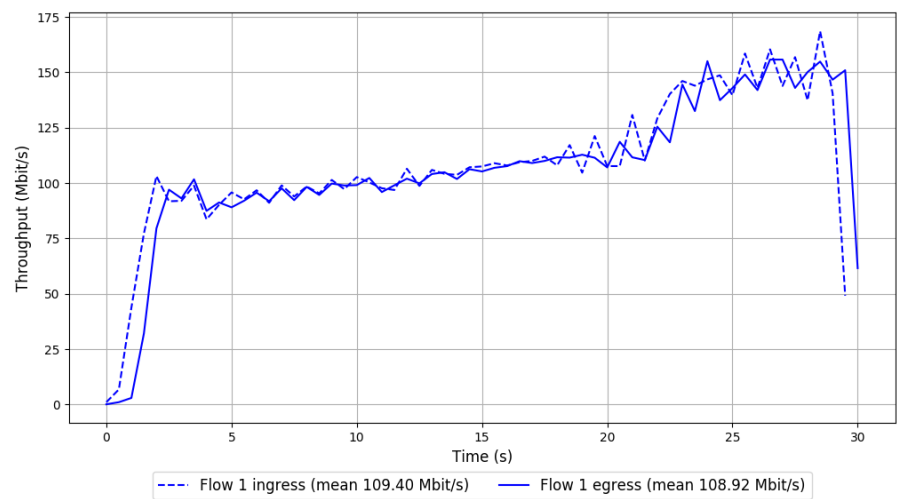


Run 2: Statistics of Indigo

Start at: 2019-03-18 20:27:03  
End at: 2019-03-18 20:27:33  
Local clock offset: 0.039 ms  
Remote clock offset: -33.277 ms

# Below is generated by plot.py at 2019-03-18 22:21:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 108.92 Mbit/s  
95th percentile per-packet one-way delay: 81.090 ms  
Loss rate: 0.44%  
-- Flow 1:  
Average throughput: 108.92 Mbit/s  
95th percentile per-packet one-way delay: 81.090 ms  
Loss rate: 0.44%

Run 2: Report of Indigo — Data Link

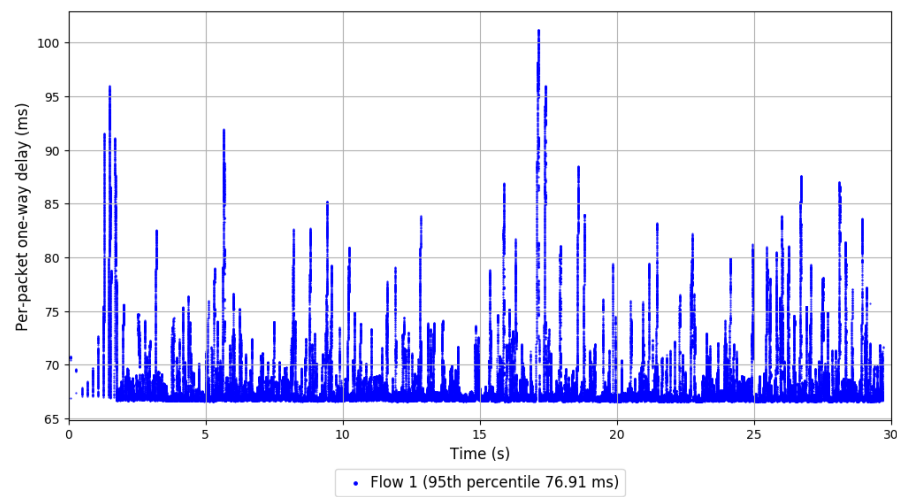
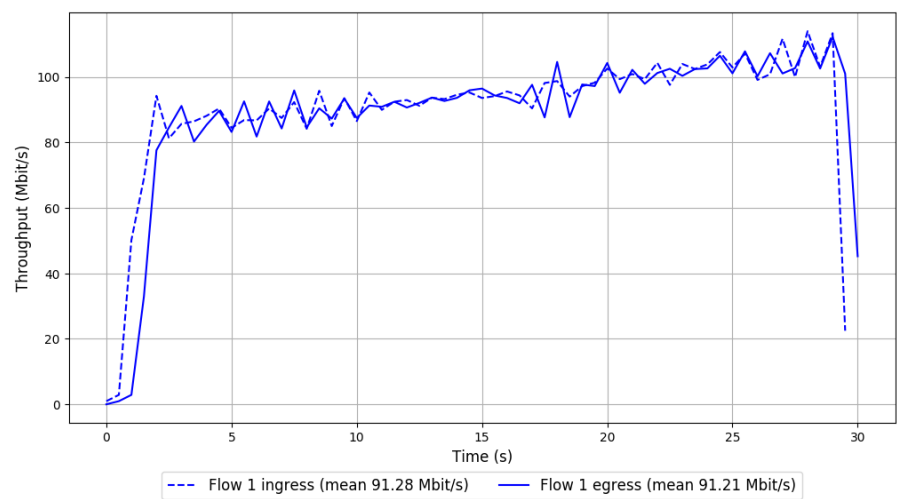


Run 3: Statistics of Indigo

Start at: 2019-03-18 20:54:25  
End at: 2019-03-18 20:54:55  
Local clock offset: -0.102 ms  
Remote clock offset: -29.896 ms

# Below is generated by plot.py at 2019-03-18 22:21:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 91.21 Mbit/s  
95th percentile per-packet one-way delay: 76.913 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 91.21 Mbit/s  
95th percentile per-packet one-way delay: 76.913 ms  
Loss rate: 0.07%

Run 3: Report of Indigo — Data Link



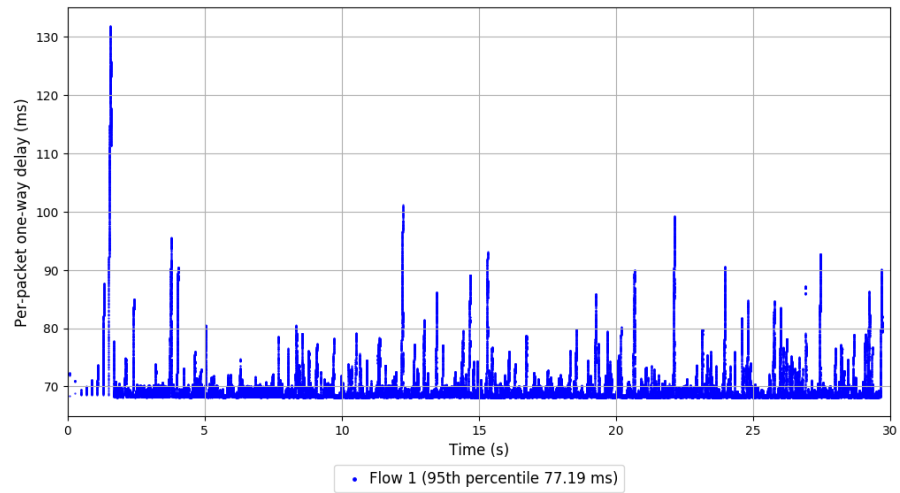
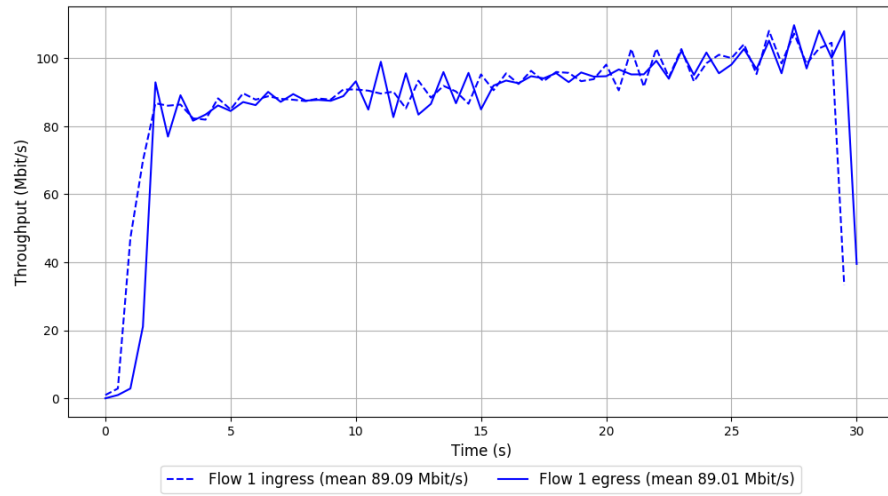


Run 4: Statistics of Indigo

Start at: 2019-03-18 21:27:32  
End at: 2019-03-18 21:28:02  
Local clock offset: 0.431 ms  
Remote clock offset: -27.242 ms

# Below is generated by plot.py at 2019-03-18 22:21:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.01 Mbit/s  
95th percentile per-packet one-way delay: 77.185 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 89.01 Mbit/s  
95th percentile per-packet one-way delay: 77.185 ms  
Loss rate: 0.09%

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

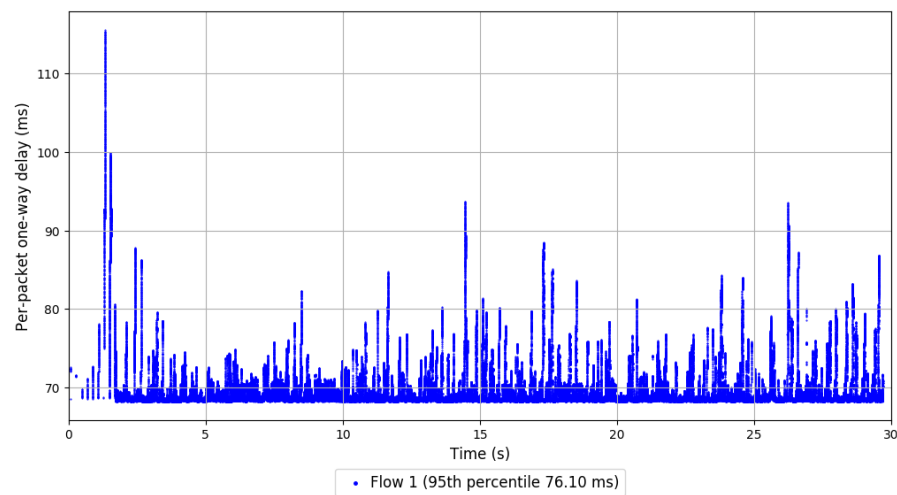
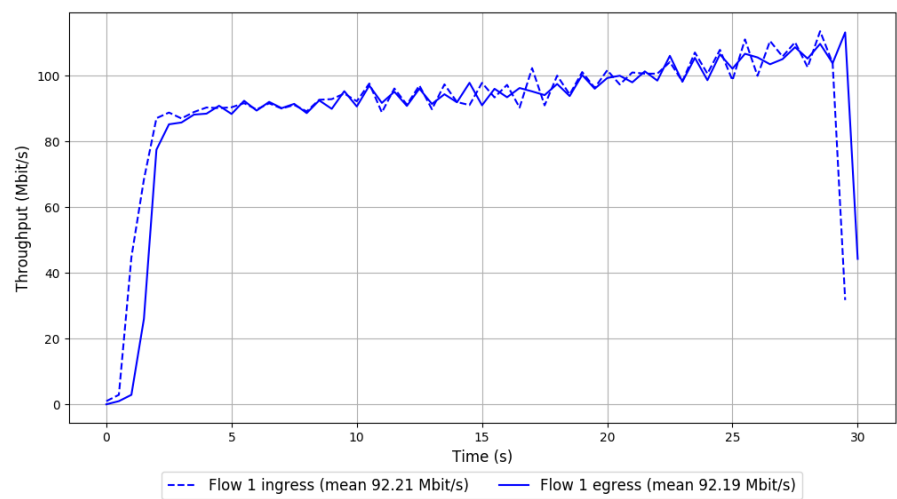


Run 5: Statistics of Indigo

Start at: 2019-03-18 21:54:57  
End at: 2019-03-18 21:55:27  
Local clock offset: 0.549 ms  
Remote clock offset: -26.357 ms

# Below is generated by plot.py at 2019-03-18 22:21:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.19 Mbit/s  
95th percentile per-packet one-way delay: 76.104 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 92.19 Mbit/s  
95th percentile per-packet one-way delay: 76.104 ms  
Loss rate: 0.02%

Run 5: Report of Indigo — Data Link

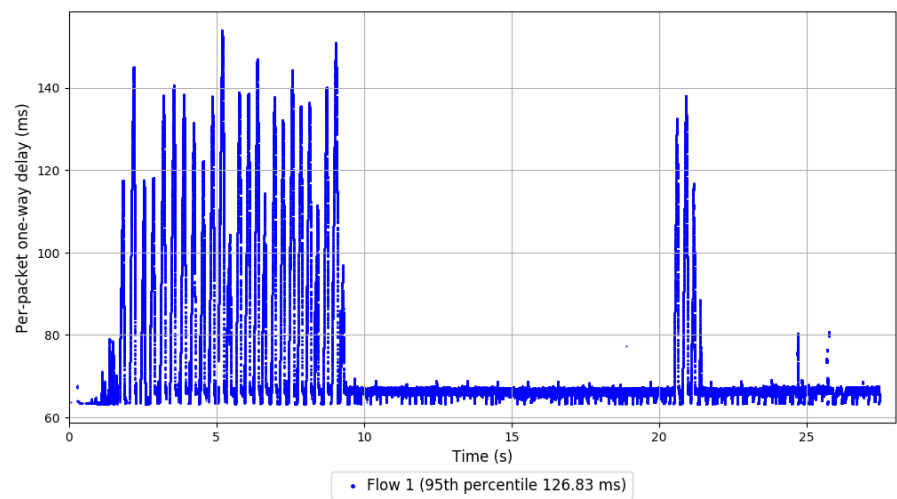
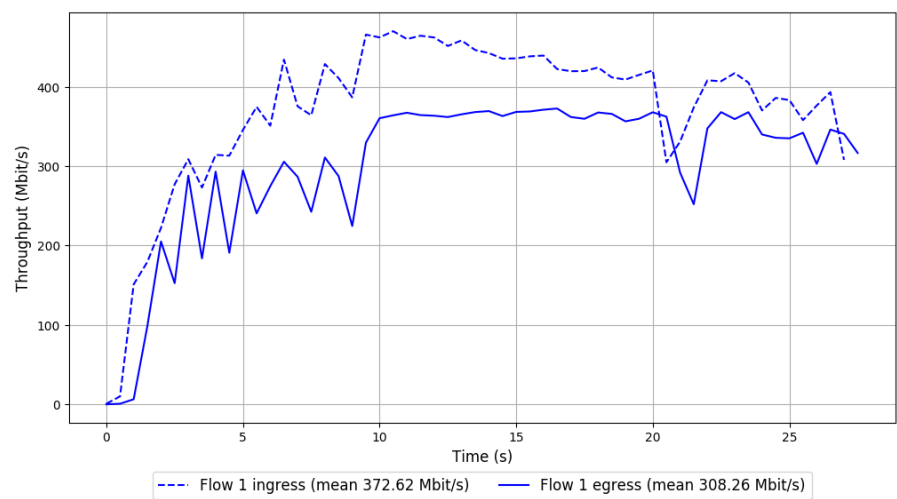


```
Run 1: Statistics of Indigo-MusesC3

Start at: 2019-03-18 19:37:42
End at: 2019-03-18 19:38:12
Local clock offset: 0.182 ms
Remote clock offset: -35.825 ms

# Below is generated by plot.py at 2019-03-18 22:21:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 308.26 Mbit/s
95th percentile per-packet one-way delay: 126.828 ms
Loss rate: 17.27%
-- Flow 1:
Average throughput: 308.26 Mbit/s
95th percentile per-packet one-way delay: 126.828 ms
Loss rate: 17.27%
```

Run 1: Report of Indigo-MusesC3 — Data Link

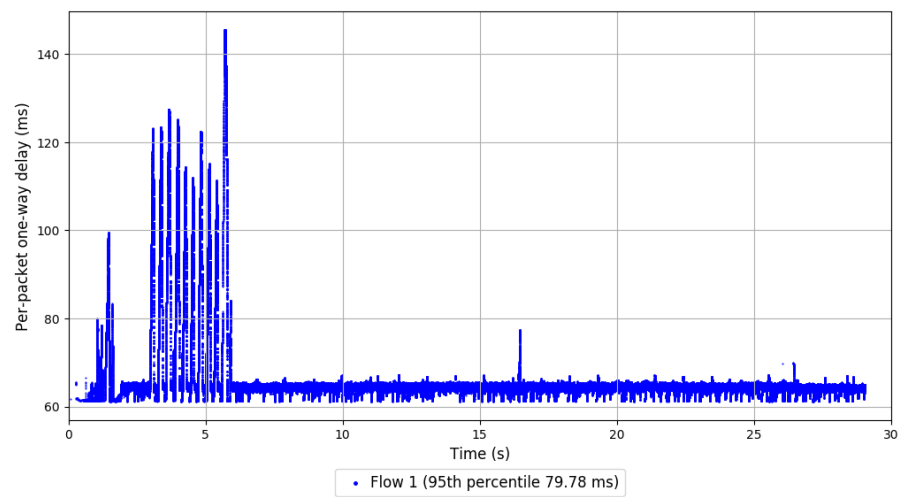
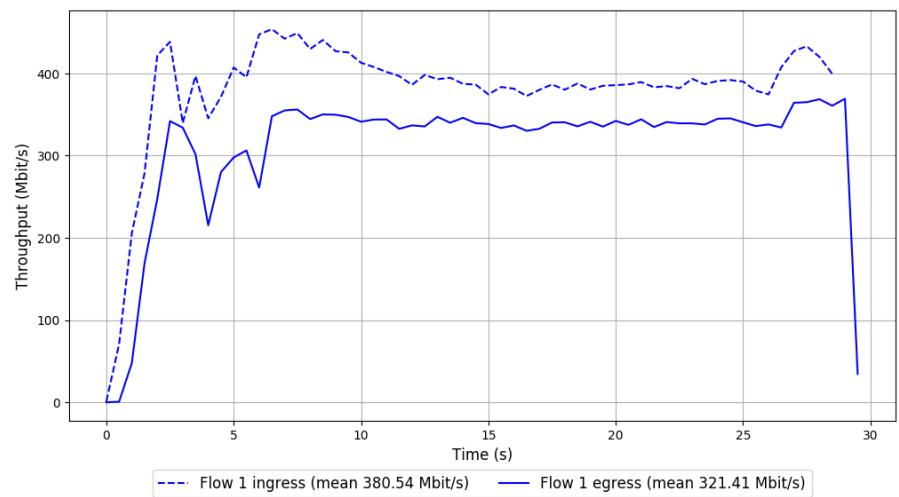


Run 2: Statistics of Indigo-MusesC3

Start at: 2019-03-18 20:10:58  
End at: 2019-03-18 20:11:28  
Local clock offset: -0.877 ms  
Remote clock offset: -37.668 ms

# Below is generated by plot.py at 2019-03-18 22:21:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 321.41 Mbit/s  
95th percentile per-packet one-way delay: 79.777 ms  
Loss rate: 15.53%  
-- Flow 1:  
Average throughput: 321.41 Mbit/s  
95th percentile per-packet one-way delay: 79.777 ms  
Loss rate: 15.53%

Run 2: Report of Indigo-MusesC3 — Data Link





Run 3: Statistics of Indigo-MusesC3

Start at: 2019-03-18 20:43:58

End at: 2019-03-18 20:44:28

Local clock offset: 0.971 ms

Remote clock offset: -36.9 ms

# Below is generated by plot.py at 2019-03-18 22:21:59

# Datalink statistics

-- Total of 1 flow:

Average throughput: 336.31 Mbit/s

95th percentile per-packet one-way delay: 66.819 ms

Loss rate: 13.25%

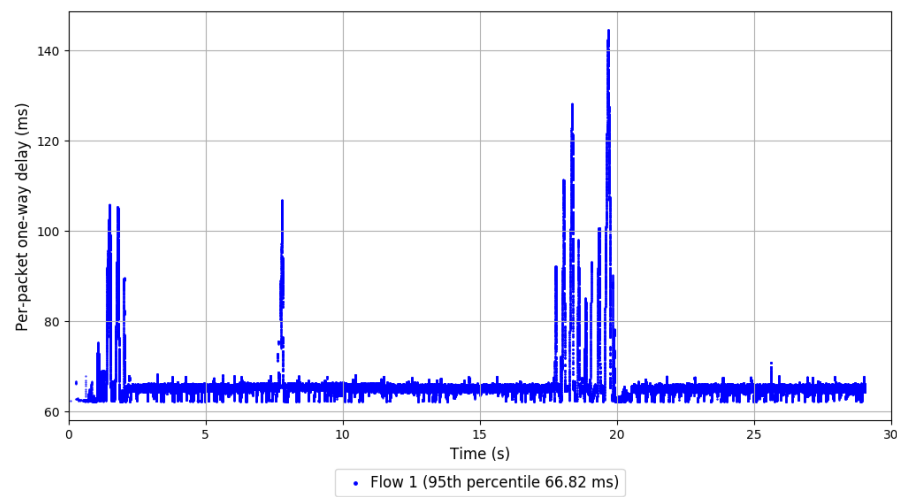
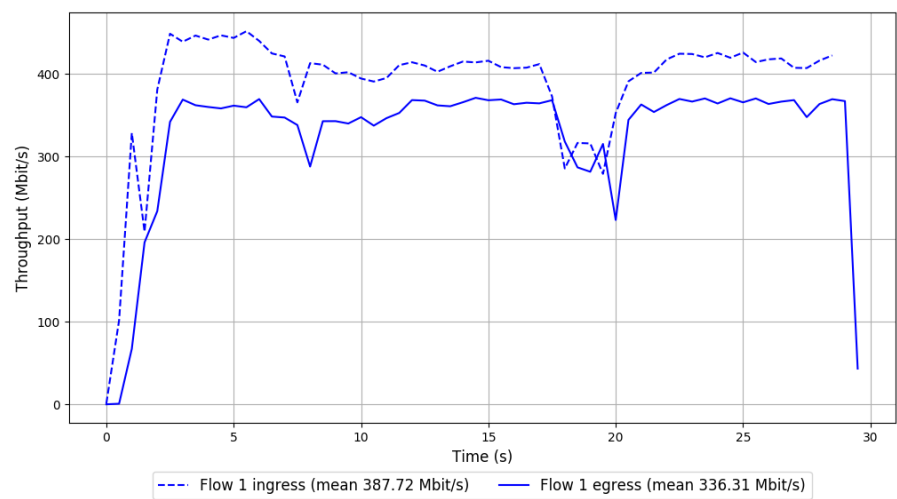
-- Flow 1:

Average throughput: 336.31 Mbit/s

95th percentile per-packet one-way delay: 66.819 ms

Loss rate: 13.25%

Run 3: Report of Indigo-MusesC3 — Data Link

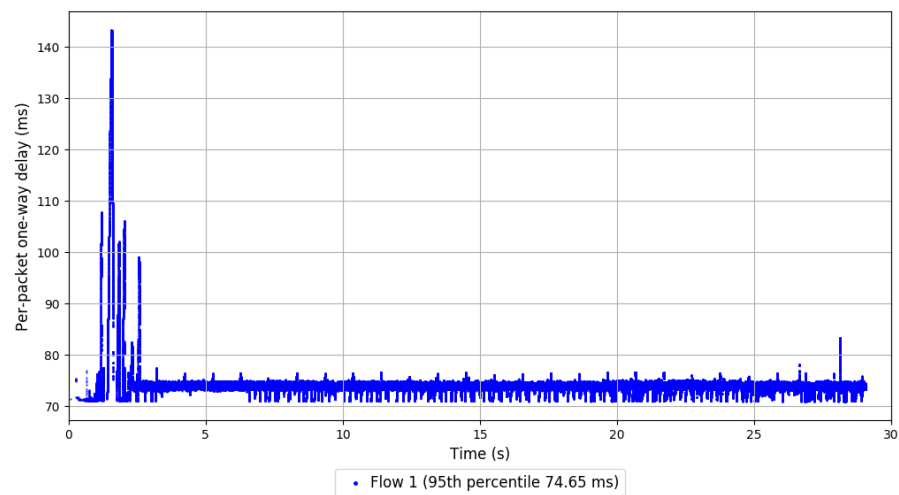
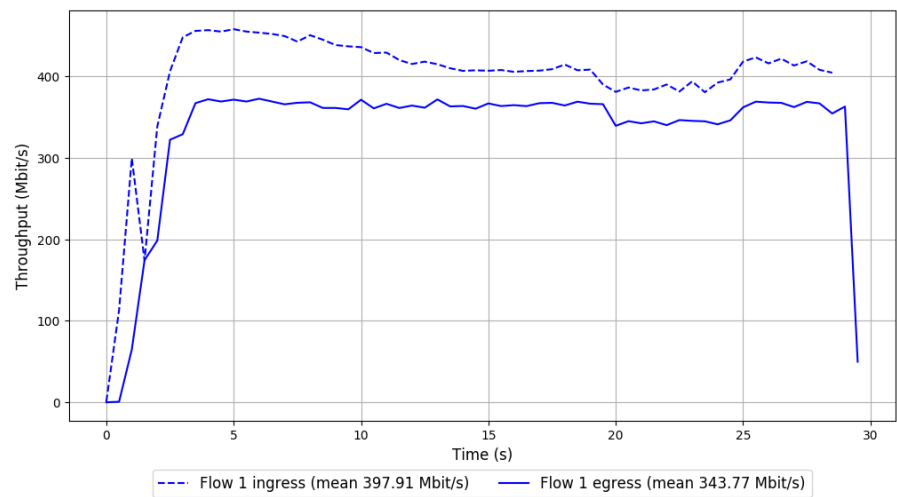


Run 4: Statistics of Indigo-MusesC3

Start at: 2019-03-18 21:17:00  
End at: 2019-03-18 21:17:30  
Local clock offset: 0.398 ms  
Remote clock offset: -26.04 ms

# Below is generated by plot.py at 2019-03-18 22:21:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 343.77 Mbit/s  
95th percentile per-packet one-way delay: 74.653 ms  
Loss rate: 13.60%  
-- Flow 1:  
Average throughput: 343.77 Mbit/s  
95th percentile per-packet one-way delay: 74.653 ms  
Loss rate: 13.60%

Run 4: Report of Indigo-MusesC3 — Data Link

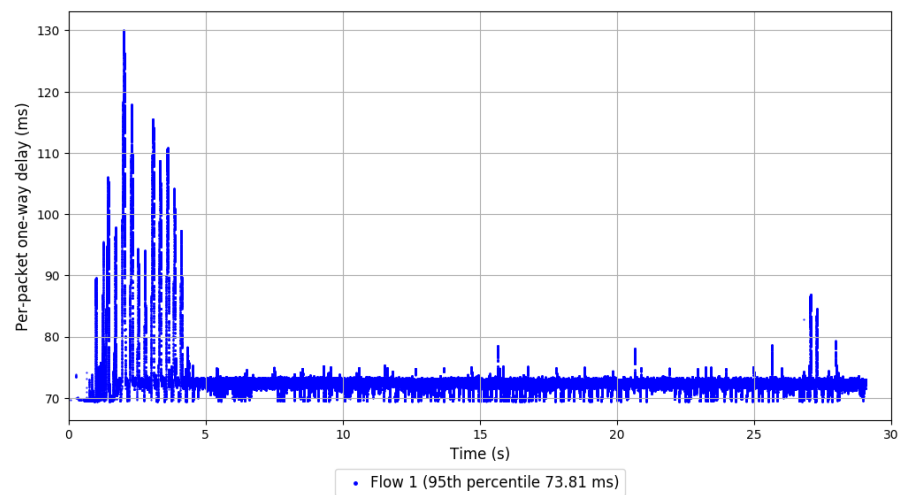
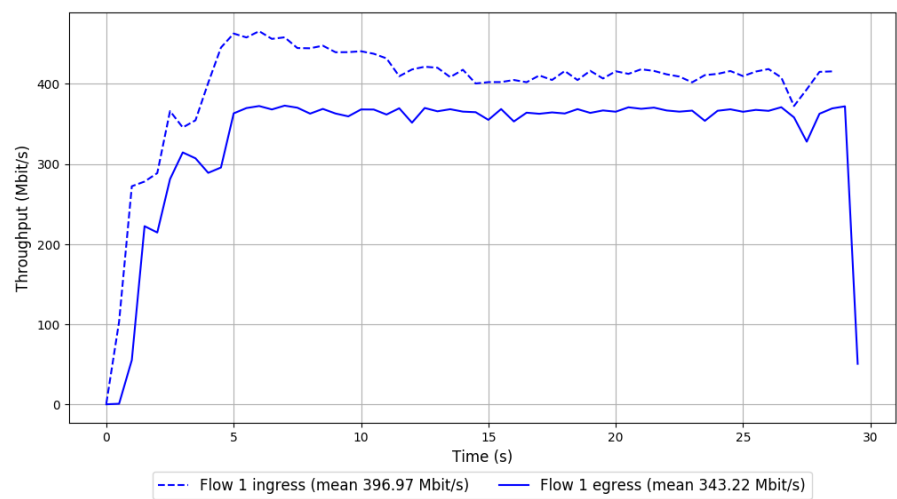


Run 5: Statistics of Indigo-MusesC3

Start at: 2019-03-18 21:44:29  
End at: 2019-03-18 21:44:59  
Local clock offset: -0.031 ms  
Remote clock offset: -23.077 ms

# Below is generated by plot.py at 2019-03-18 22:21:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 343.22 Mbit/s  
95th percentile per-packet one-way delay: 73.813 ms  
Loss rate: 13.53%  
-- Flow 1:  
Average throughput: 343.22 Mbit/s  
95th percentile per-packet one-way delay: 73.813 ms  
Loss rate: 13.53%

Run 5: Report of Indigo-MusesC3 — Data Link

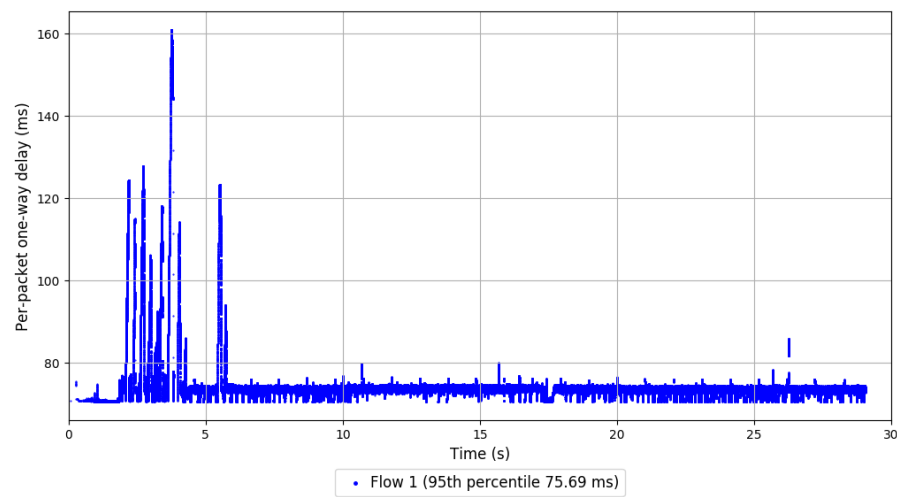
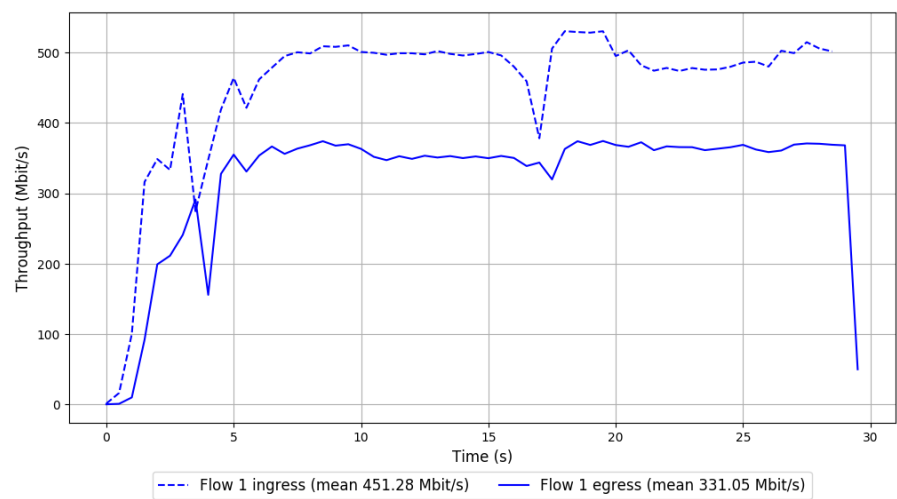


Run 1: Statistics of Indigo-MusesC5

Start at: 2019-03-18 19:58:12  
End at: 2019-03-18 19:58:42  
Local clock offset: -1.644 ms  
Remote clock offset: -29.361 ms

# Below is generated by plot.py at 2019-03-18 22:22:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 331.05 Mbit/s  
95th percentile per-packet one-way delay: 75.690 ms  
Loss rate: 26.64%  
-- Flow 1:  
Average throughput: 331.05 Mbit/s  
95th percentile per-packet one-way delay: 75.690 ms  
Loss rate: 26.64%

Run 1: Report of Indigo-MusesC5 — Data Link



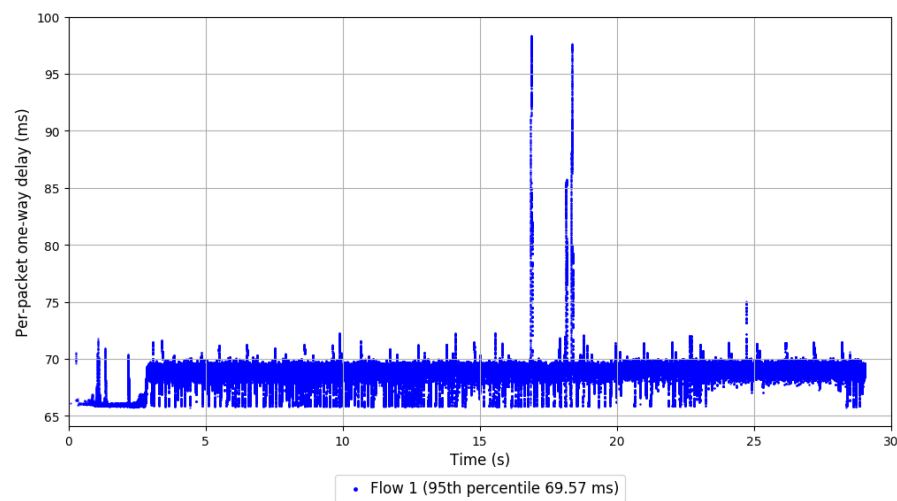
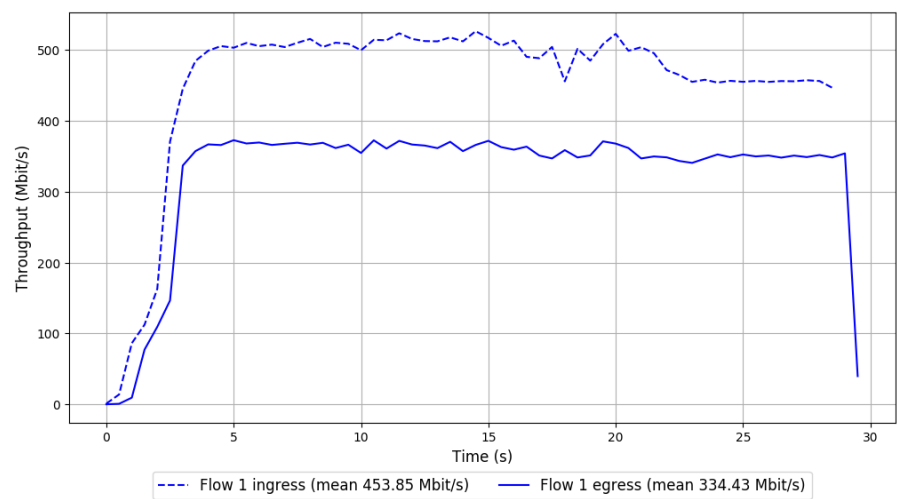


Run 2: Statistics of Indigo-MusesC5

Start at: 2019-03-18 20:31:09  
End at: 2019-03-18 20:31:39  
Local clock offset: 0.051 ms  
Remote clock offset: -32.56 ms

# Below is generated by plot.py at 2019-03-18 22:25:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 334.43 Mbit/s  
95th percentile per-packet one-way delay: 69.568 ms  
Loss rate: 26.30%  
-- Flow 1:  
Average throughput: 334.43 Mbit/s  
95th percentile per-packet one-way delay: 69.568 ms  
Loss rate: 26.30%

Run 2: Report of Indigo-MusesC5 — Data Link

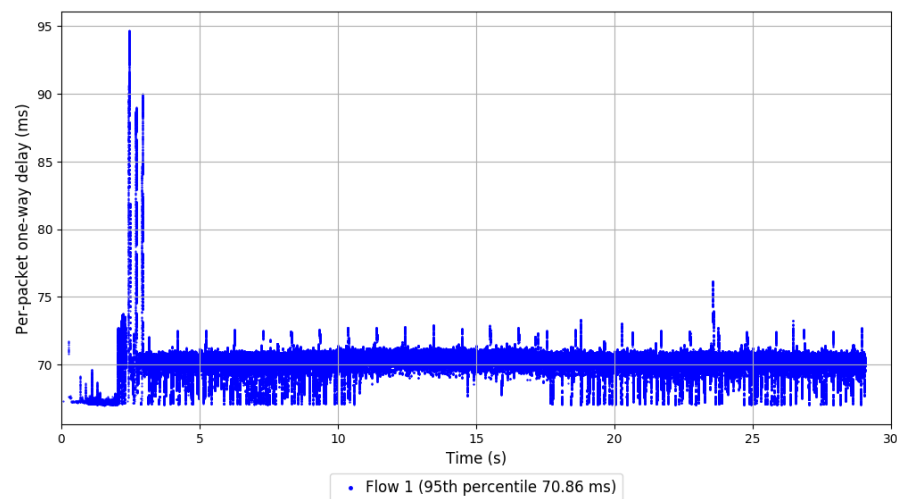
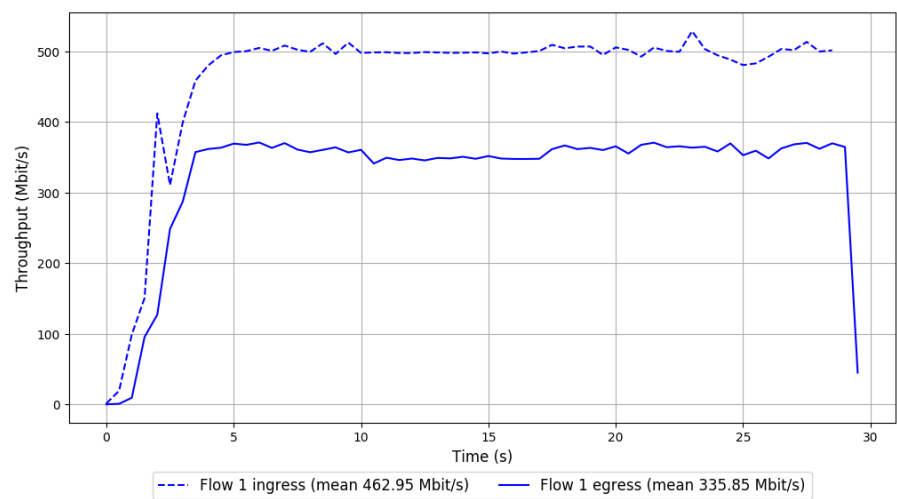


Run 3: Statistics of Indigo-MusesC5

Start at: 2019-03-18 21:04:13  
End at: 2019-03-18 21:04:43  
Local clock offset: 0.668 ms  
Remote clock offset: -30.533 ms

# Below is generated by plot.py at 2019-03-18 22:25:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 335.85 Mbit/s  
95th percentile per-packet one-way delay: 70.856 ms  
Loss rate: 27.45%  
-- Flow 1:  
Average throughput: 335.85 Mbit/s  
95th percentile per-packet one-way delay: 70.856 ms  
Loss rate: 27.45%

Run 3: Report of Indigo-MusesC5 — Data Link

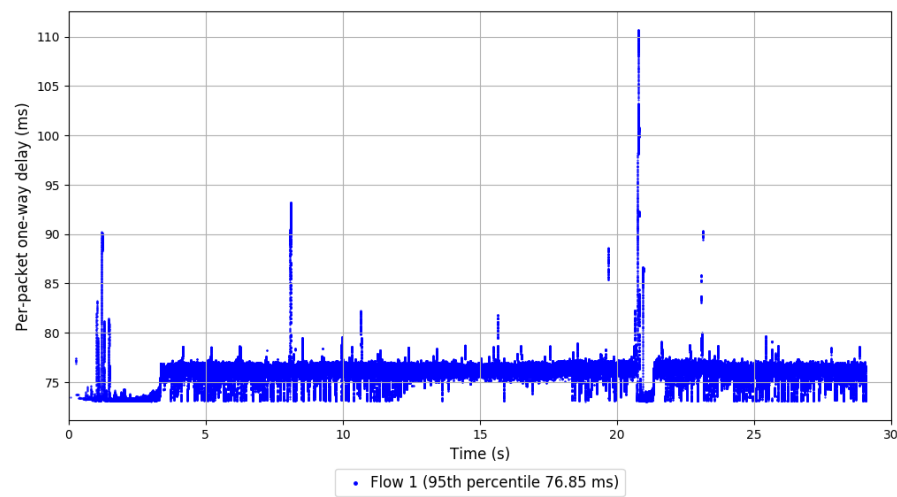
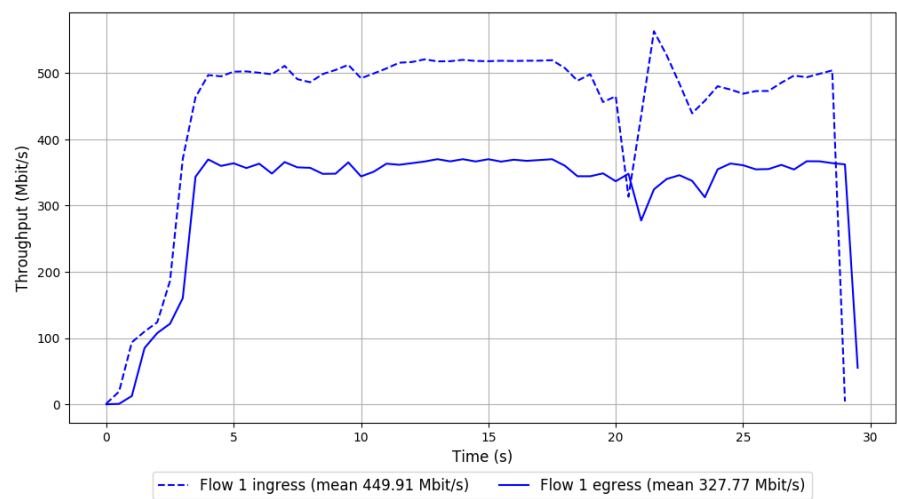


Run 4: Statistics of Indigo-MusesC5

Start at: 2019-03-18 21:31:41  
End at: 2019-03-18 21:32:11  
Local clock offset: -0.784 ms  
Remote clock offset: -23.257 ms

# Below is generated by plot.py at 2019-03-18 22:25:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 327.77 Mbit/s  
95th percentile per-packet one-way delay: 76.852 ms  
Loss rate: 27.15%  
-- Flow 1:  
Average throughput: 327.77 Mbit/s  
95th percentile per-packet one-way delay: 76.852 ms  
Loss rate: 27.15%

Run 4: Report of Indigo-MusesC5 — Data Link

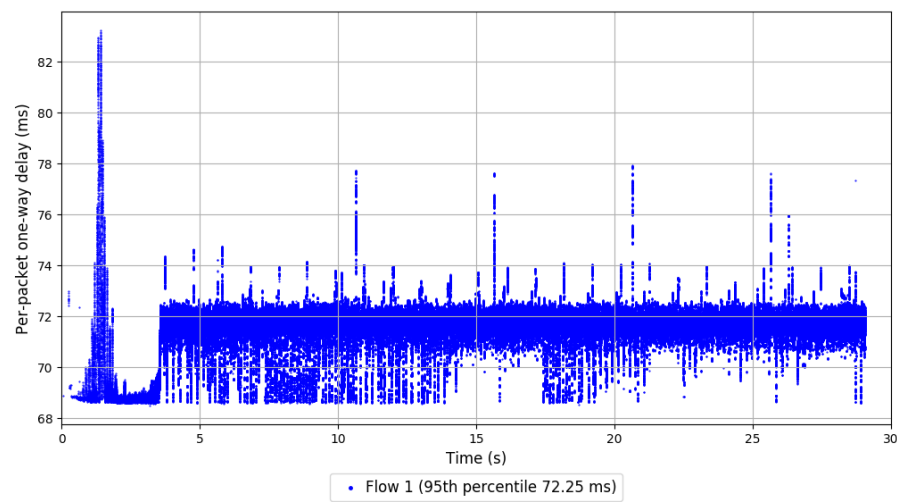
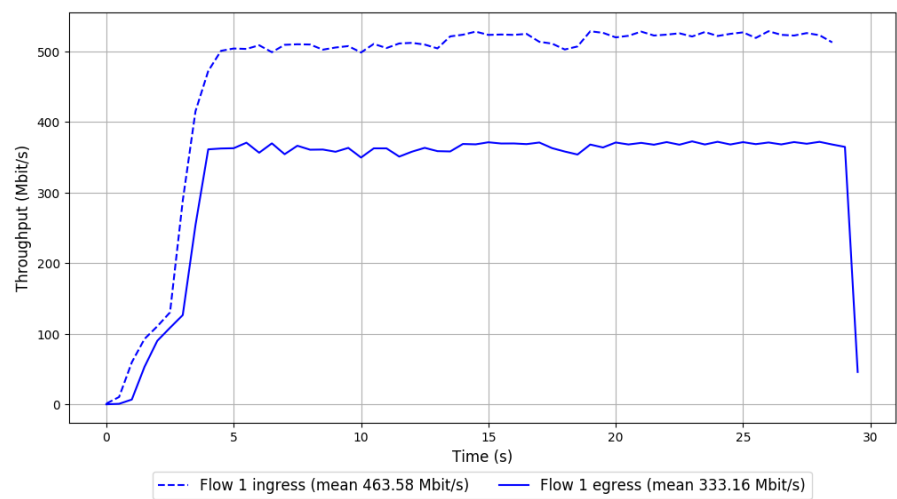


Run 5: Statistics of Indigo-MusesC5

Start at: 2019-03-18 21:59:06  
End at: 2019-03-18 21:59:36  
Local clock offset: -0.44 ms  
Remote clock offset: -24.822 ms

# Below is generated by plot.py at 2019-03-18 22:25:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 333.16 Mbit/s  
95th percentile per-packet one-way delay: 72.251 ms  
Loss rate: 28.13%  
-- Flow 1:  
Average throughput: 333.16 Mbit/s  
95th percentile per-packet one-way delay: 72.251 ms  
Loss rate: 28.13%

Run 5: Report of Indigo-MusesC5 — Data Link



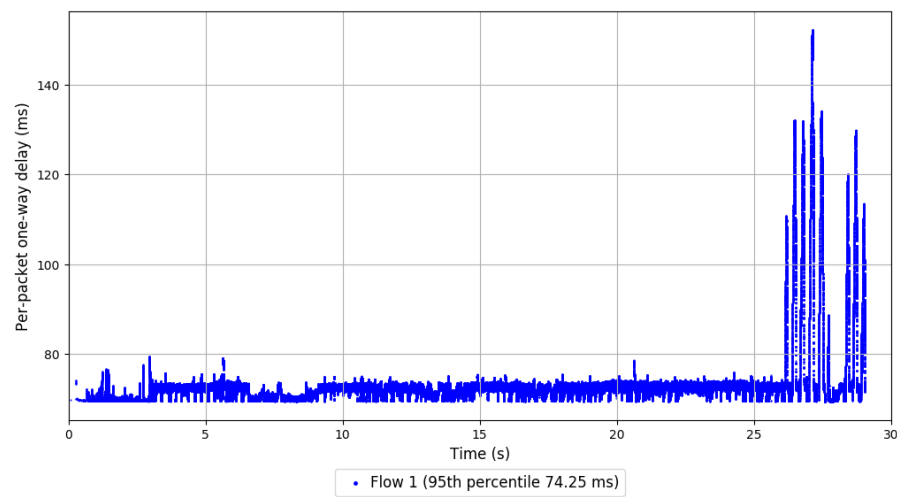
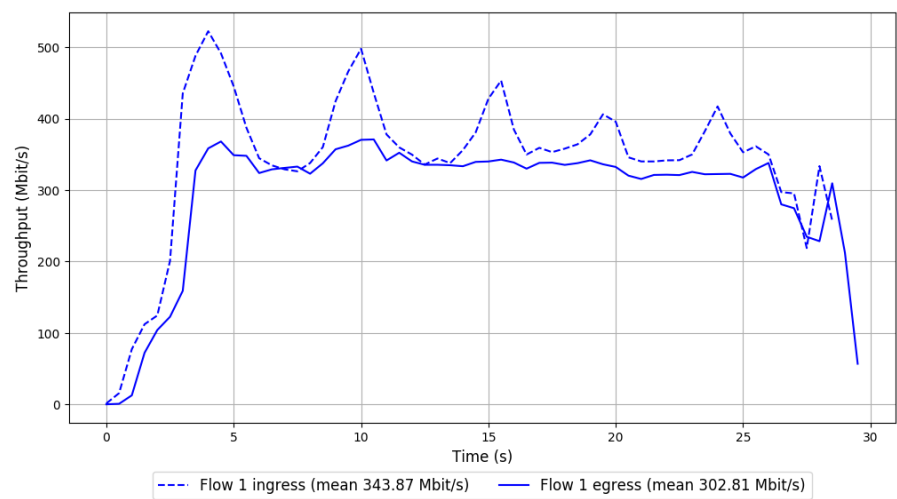


Run 1: Statistics of Indigo-MusesD

Start at: 2019-03-18 19:48:45  
End at: 2019-03-18 19:49:15  
Local clock offset: -0.223 ms  
Remote clock offset: -29.586 ms

# Below is generated by plot.py at 2019-03-18 22:25:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 302.81 Mbit/s  
95th percentile per-packet one-way delay: 74.251 ms  
Loss rate: 11.93%  
-- Flow 1:  
Average throughput: 302.81 Mbit/s  
95th percentile per-packet one-way delay: 74.251 ms  
Loss rate: 11.93%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-03-18 20:21:51

End at: 2019-03-18 20:22:21

Local clock offset: -0.469 ms

Remote clock offset: -34.424 ms

# Below is generated by plot.py at 2019-03-18 22:25:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 318.23 Mbit/s

95th percentile per-packet one-way delay: 96.218 ms

Loss rate: 15.62%

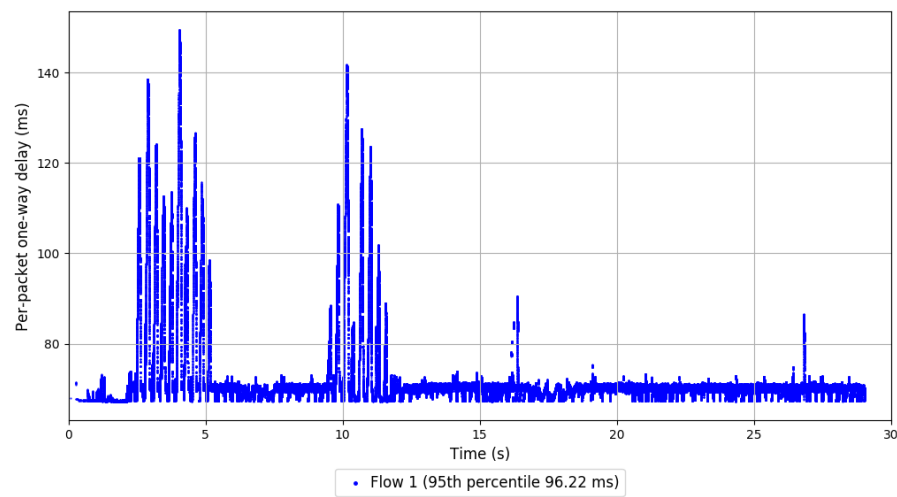
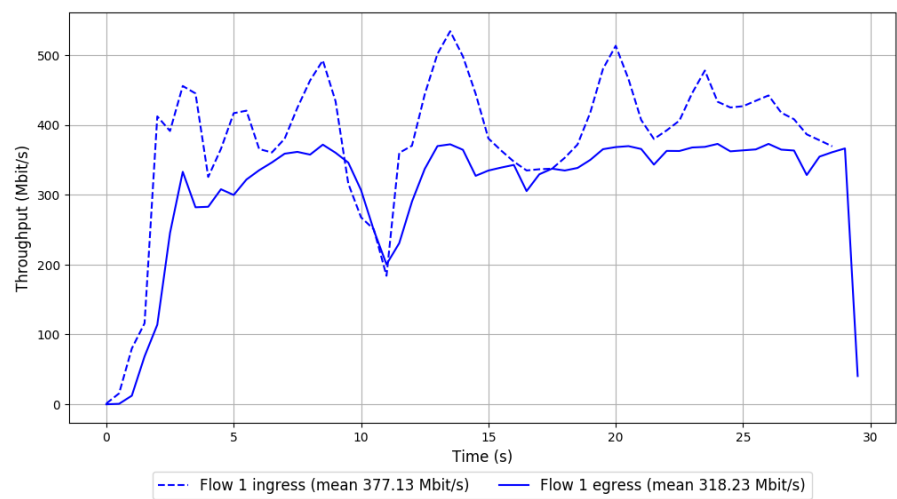
-- Flow 1:

Average throughput: 318.23 Mbit/s

95th percentile per-packet one-way delay: 96.218 ms

Loss rate: 15.62%

Run 2: Report of Indigo-MusesD — Data Link

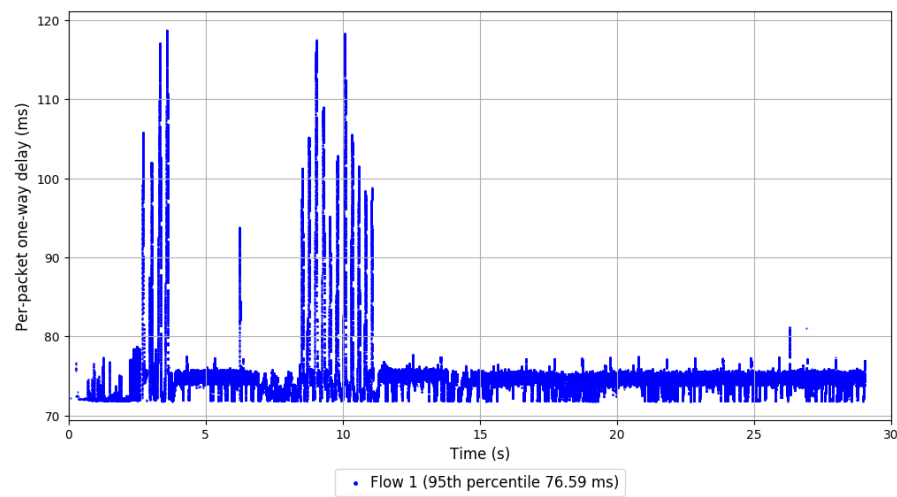
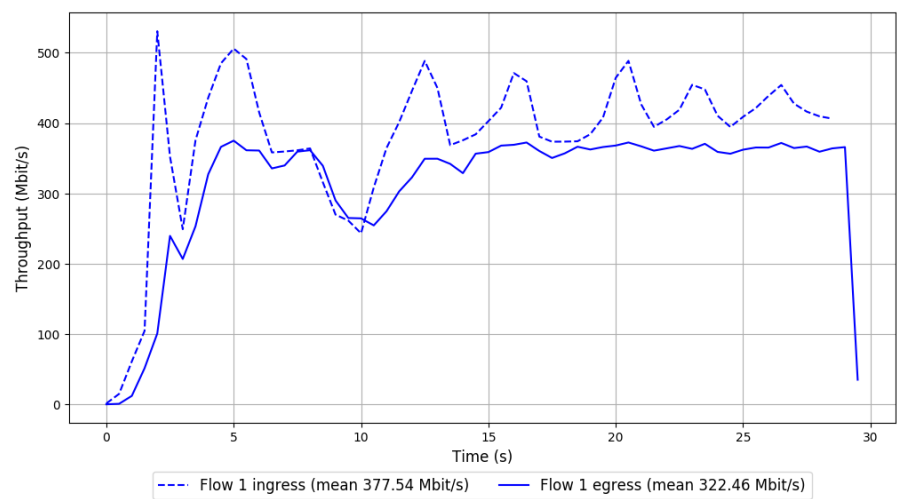


Run 3: Statistics of Indigo-MusesD

Start at: 2019-03-18 20:49:14  
End at: 2019-03-18 20:49:44  
Local clock offset: 0.444 ms  
Remote clock offset: -24.744 ms

# Below is generated by plot.py at 2019-03-18 22:25:50  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 322.46 Mbit/s  
95th percentile per-packet one-way delay: 76.589 ms  
Loss rate: 14.58%  
-- Flow 1:  
Average throughput: 322.46 Mbit/s  
95th percentile per-packet one-way delay: 76.589 ms  
Loss rate: 14.58%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-03-18 21:22:19

End at: 2019-03-18 21:22:49

Local clock offset: -0.68 ms

Remote clock offset: -30.337 ms

# Below is generated by plot.py at 2019-03-18 22:26:32

# Datalink statistics

-- Total of 1 flow:

Average throughput: 341.74 Mbit/s

95th percentile per-packet one-way delay: 68.000 ms

Loss rate: 14.20%

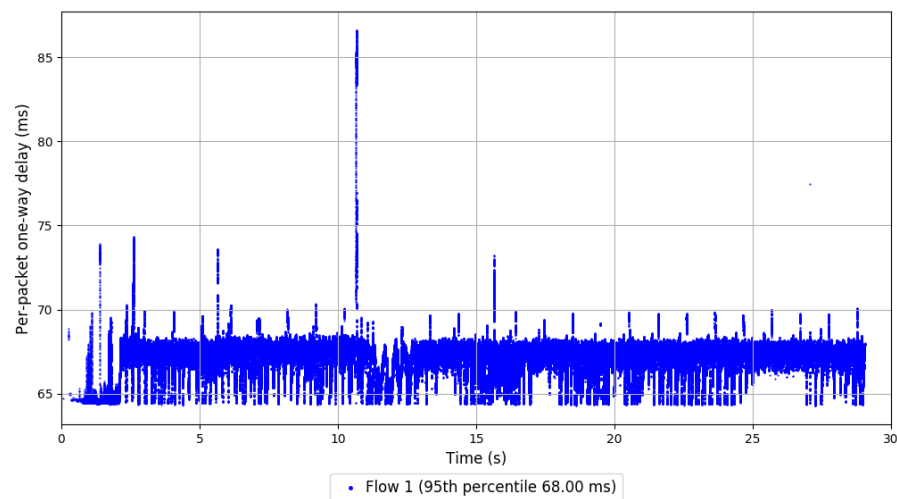
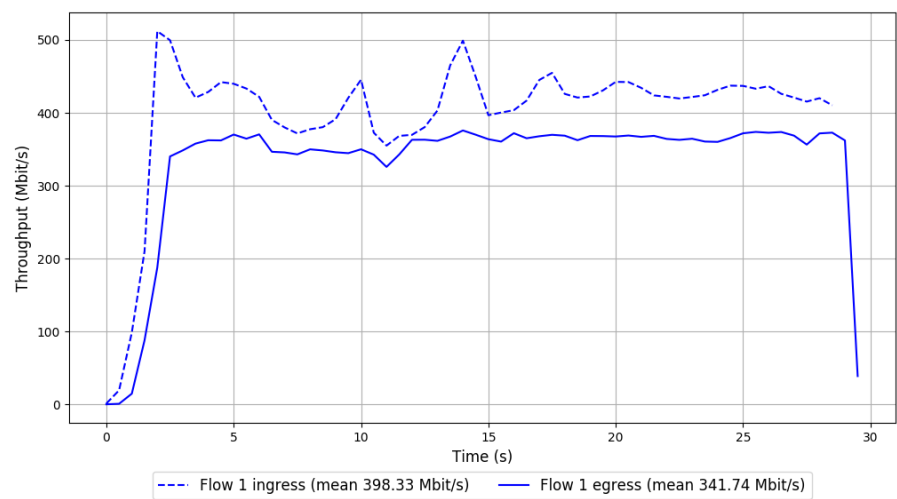
-- Flow 1:

Average throughput: 341.74 Mbit/s

95th percentile per-packet one-way delay: 68.000 ms

Loss rate: 14.20%

Run 4: Report of Indigo-MusesD — Data Link





Run 5: Statistics of Indigo-MusesD

Start at: 2019-03-18 21:49:45

End at: 2019-03-18 21:50:15

Local clock offset: -0.48 ms

Remote clock offset: -33.706 ms

# Below is generated by plot.py at 2019-03-18 22:28:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 330.08 Mbit/s

95th percentile per-packet one-way delay: 63.235 ms

Loss rate: 12.08%

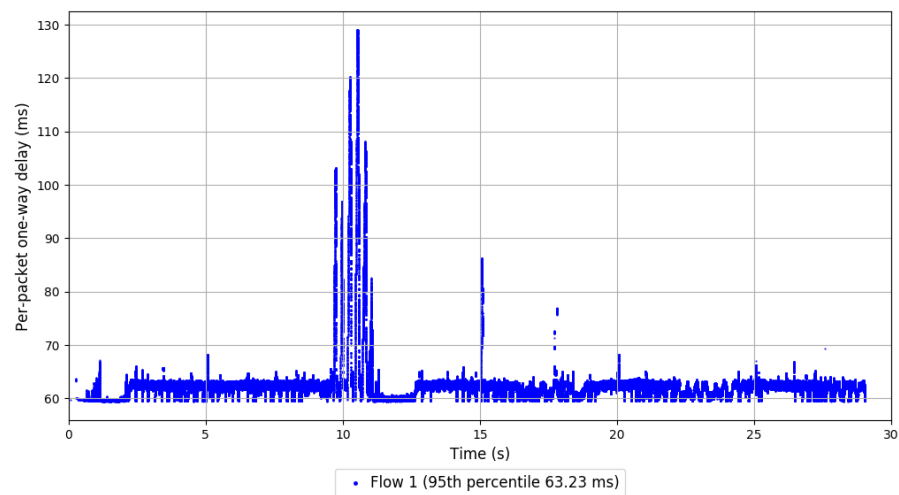
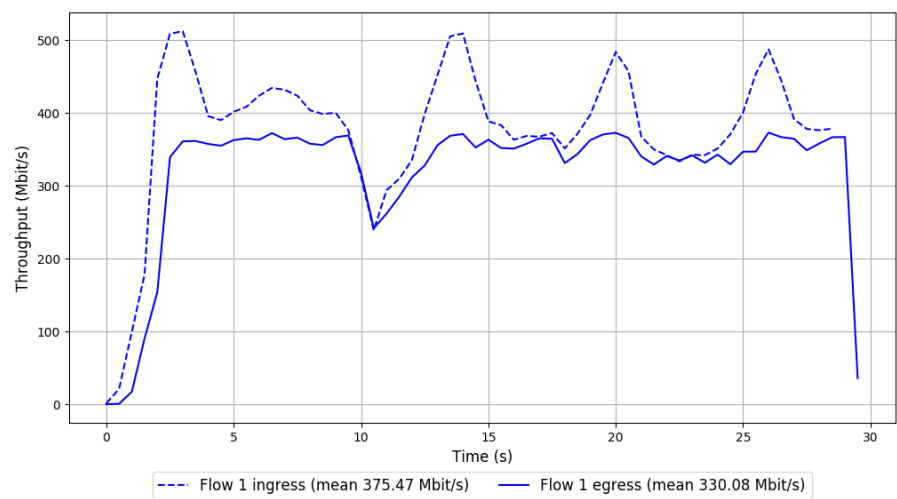
-- Flow 1:

Average throughput: 330.08 Mbit/s

95th percentile per-packet one-way delay: 63.235 ms

Loss rate: 12.08%

Run 5: Report of Indigo-MusesD — Data Link

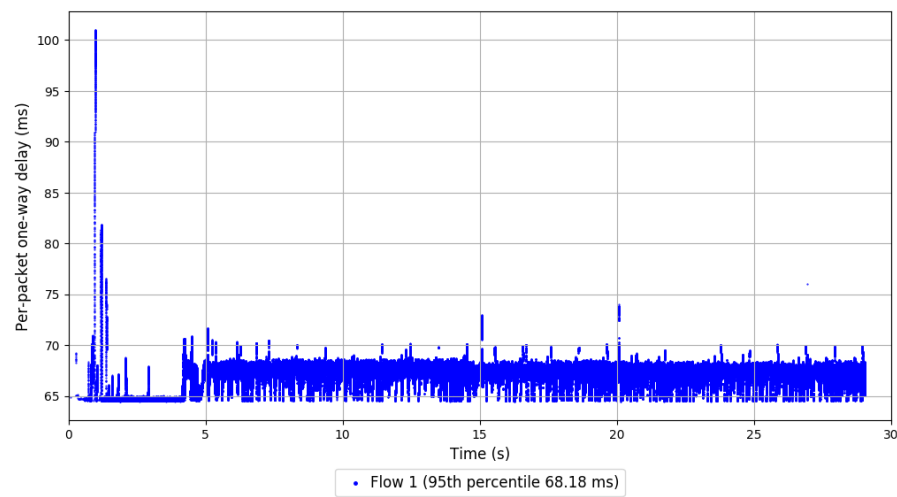
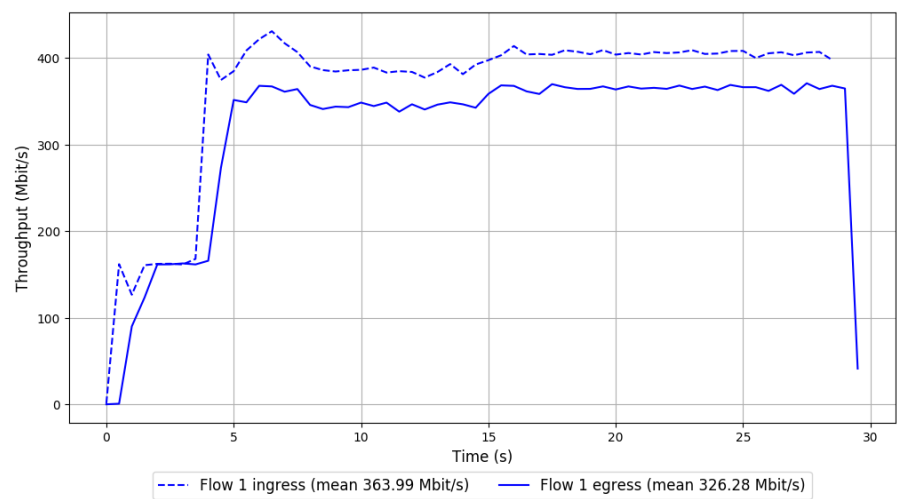


Run 1: Statistics of Indigo-MusesT

Start at: 2019-03-18 19:52:38  
End at: 2019-03-18 19:53:08  
Local clock offset: 0.53 ms  
Remote clock offset: -33.281 ms

# Below is generated by plot.py at 2019-03-18 22:28:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 326.28 Mbit/s  
95th percentile per-packet one-way delay: 68.179 ms  
Loss rate: 10.35%  
-- Flow 1:  
Average throughput: 326.28 Mbit/s  
95th percentile per-packet one-way delay: 68.179 ms  
Loss rate: 10.35%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-03-18 20:25:36

End at: 2019-03-18 20:26:06

Local clock offset: 2.624 ms

Remote clock offset: -30.08 ms

# Below is generated by plot.py at 2019-03-18 22:29:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 345.45 Mbit/s

95th percentile per-packet one-way delay: 72.172 ms

Loss rate: 11.08%

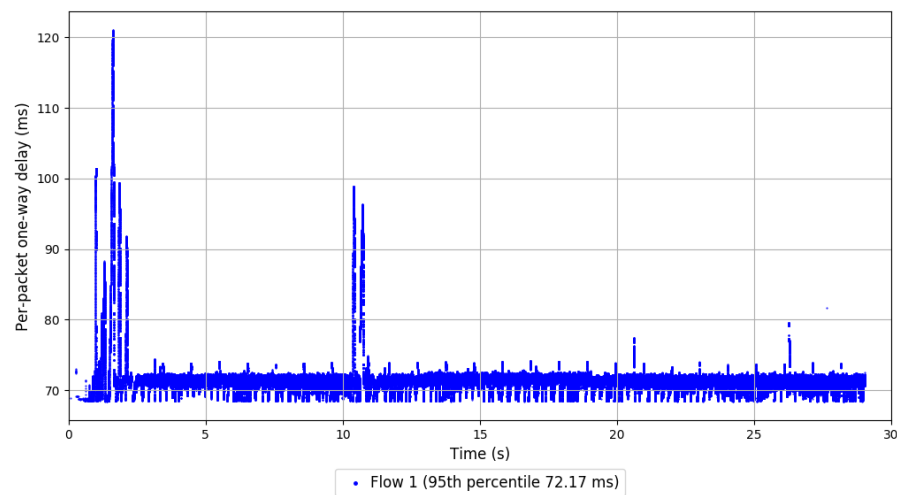
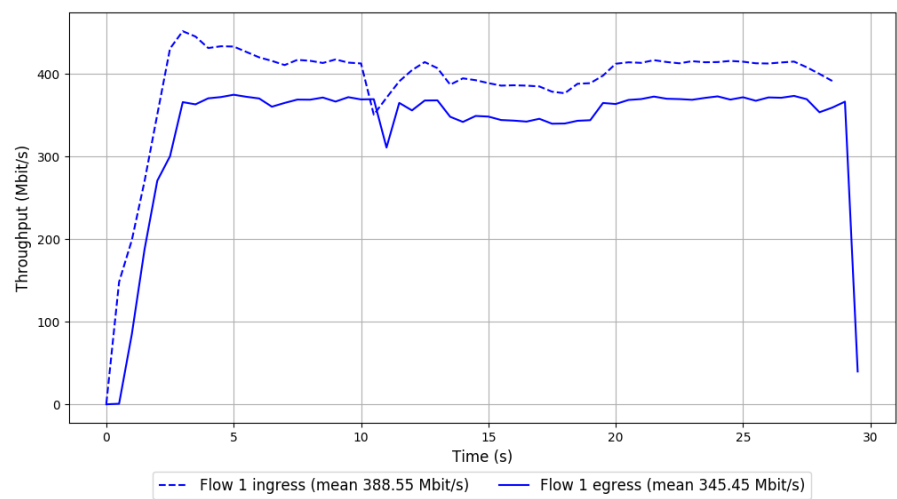
-- Flow 1:

Average throughput: 345.45 Mbit/s

95th percentile per-packet one-way delay: 72.172 ms

Loss rate: 11.08%

Run 2: Report of Indigo-MusesT — Data Link

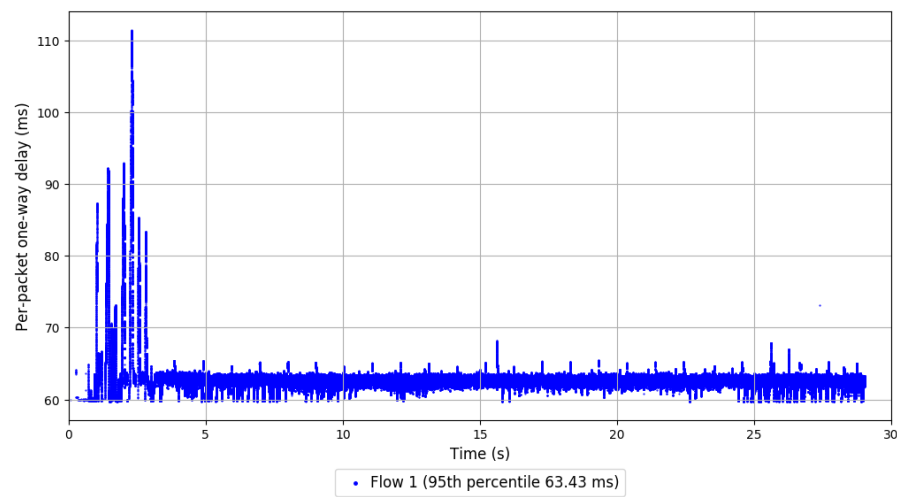
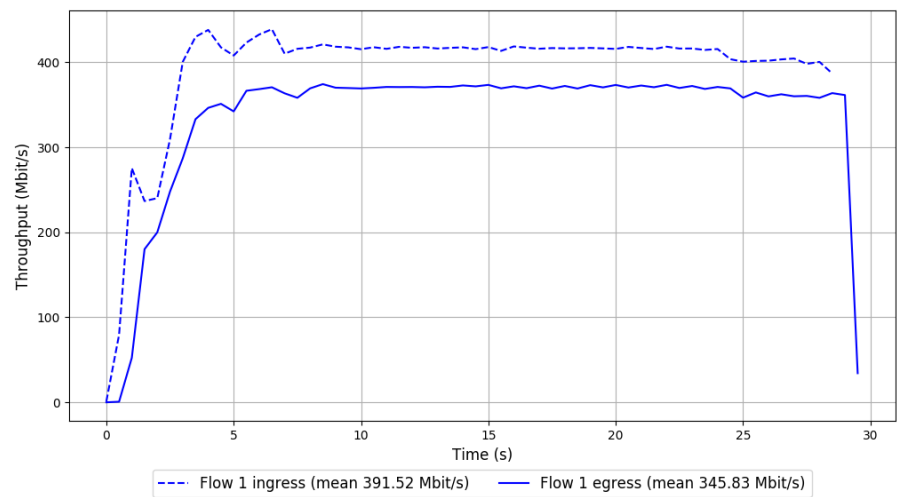


Run 3: Statistics of Indigo-MusesT

Start at: 2019-03-18 20:52:59  
End at: 2019-03-18 20:53:29  
Local clock offset: 2.018 ms  
Remote clock offset: -34.712 ms

# Below is generated by plot.py at 2019-03-18 22:29:17  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 345.83 Mbit/s  
95th percentile per-packet one-way delay: 63.429 ms  
Loss rate: 11.66%  
-- Flow 1:  
Average throughput: 345.83 Mbit/s  
95th percentile per-packet one-way delay: 63.429 ms  
Loss rate: 11.66%

Run 3: Report of Indigo-MusesT — Data Link





Run 4: Statistics of Indigo-MusesT

Start at: 2019-03-18 21:26:05

End at: 2019-03-18 21:26:35

Local clock offset: 0.464 ms

Remote clock offset: -27.627 ms

# Below is generated by plot.py at 2019-03-18 22:29:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 343.47 Mbit/s

95th percentile per-packet one-way delay: 71.664 ms

Loss rate: 10.22%

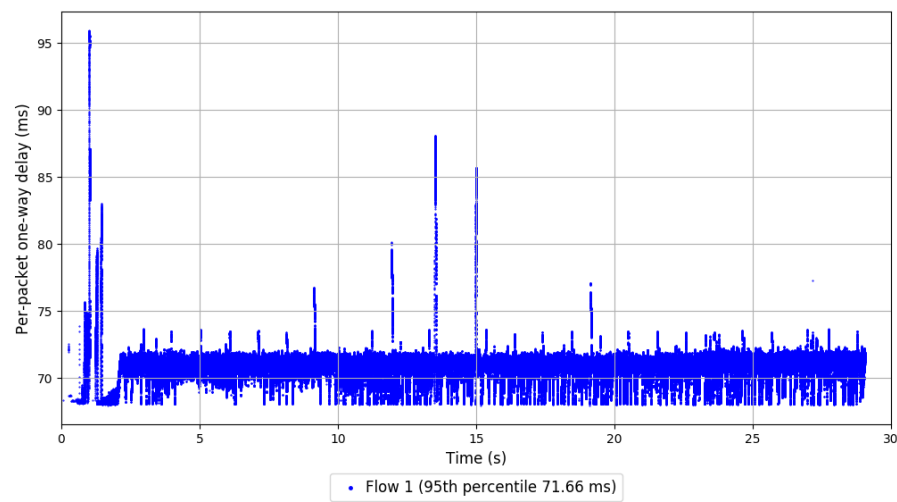
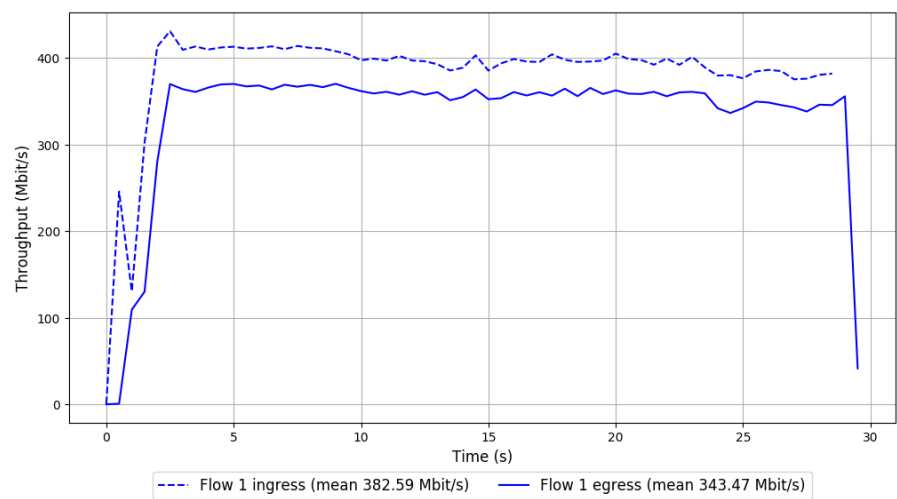
-- Flow 1:

Average throughput: 343.47 Mbit/s

95th percentile per-packet one-way delay: 71.664 ms

Loss rate: 10.22%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-03-18 21:53:31

End at: 2019-03-18 21:54:01

Local clock offset: 0.048 ms

Remote clock offset: -28.485 ms

# Below is generated by plot.py at 2019-03-18 22:29:49

# Datalink statistics

-- Total of 1 flow:

Average throughput: 347.42 Mbit/s

95th percentile per-packet one-way delay: 67.900 ms

Loss rate: 9.92%

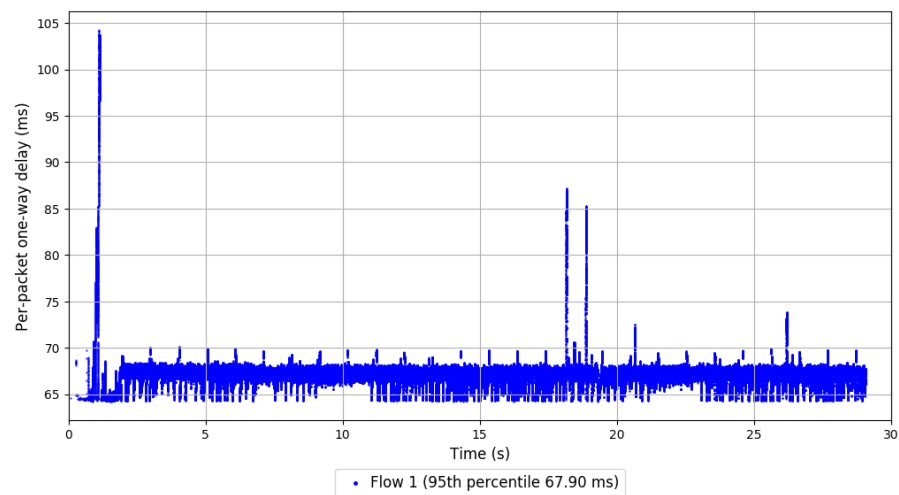
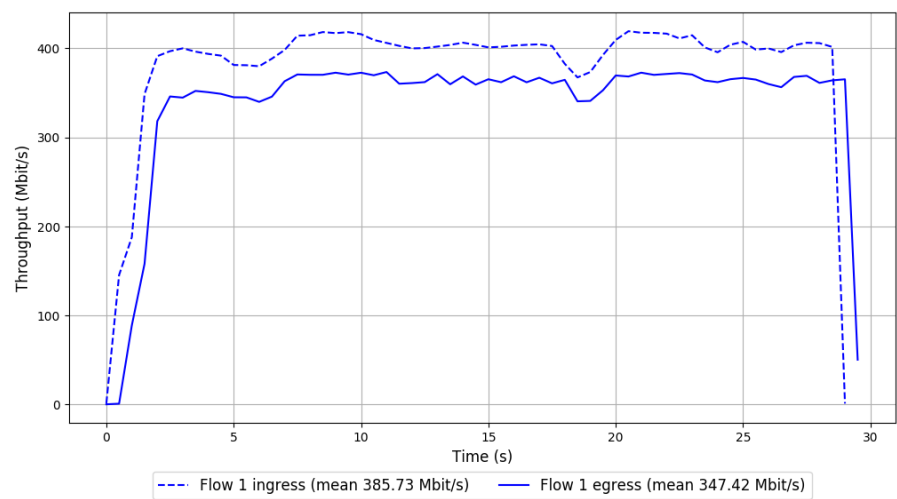
-- Flow 1:

Average throughput: 347.42 Mbit/s

95th percentile per-packet one-way delay: 67.900 ms

Loss rate: 9.92%

Run 5: Report of Indigo-MusesT — Data Link

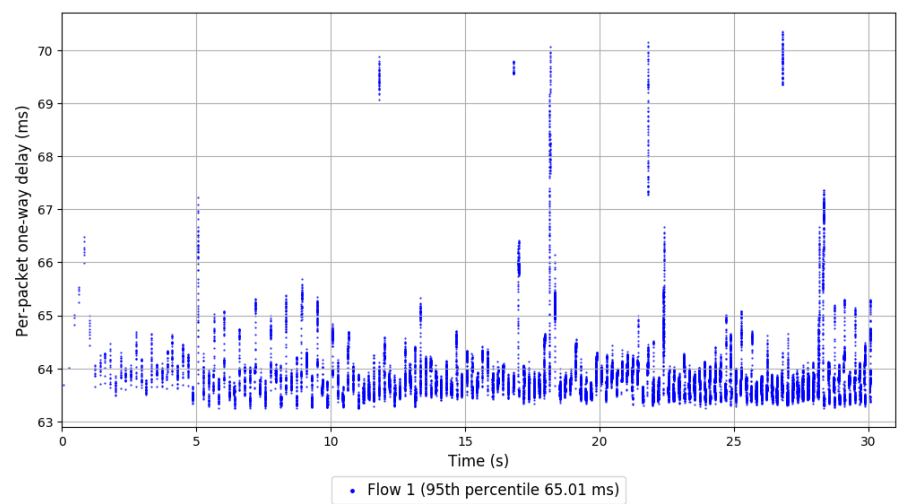
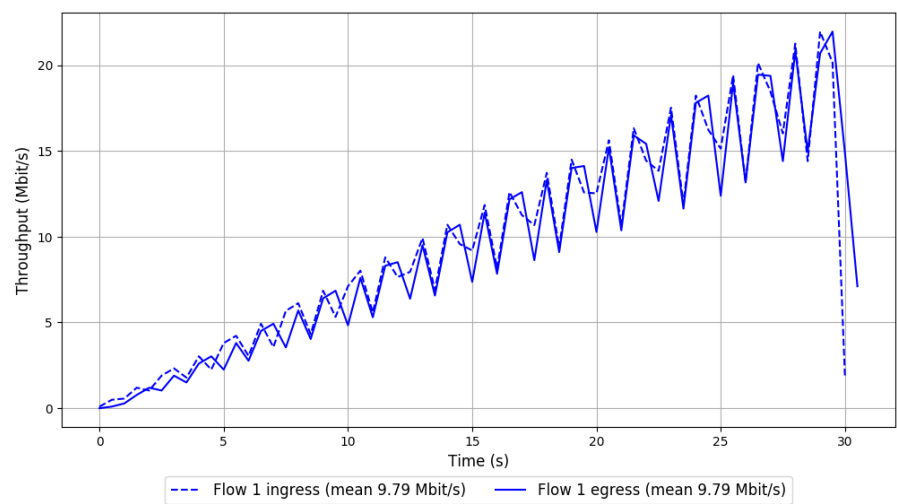


Run 1: Statistics of LEDBAT

Start at: 2019-03-18 20:02:07  
End at: 2019-03-18 20:02:38  
Local clock offset: 0.221 ms  
Remote clock offset: -34.526 ms

# Below is generated by plot.py at 2019-03-18 22:29:49  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 9.79 Mbit/s  
95th percentile per-packet one-way delay: 65.010 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 9.79 Mbit/s  
95th percentile per-packet one-way delay: 65.010 ms  
Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link

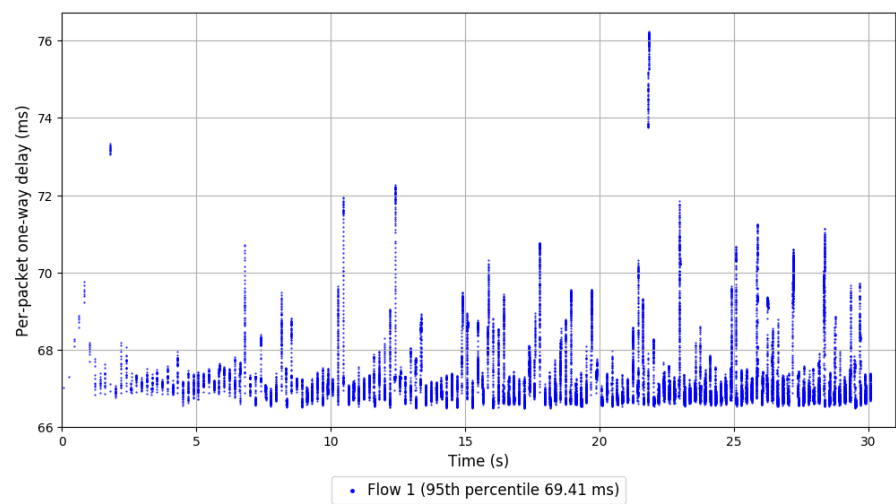
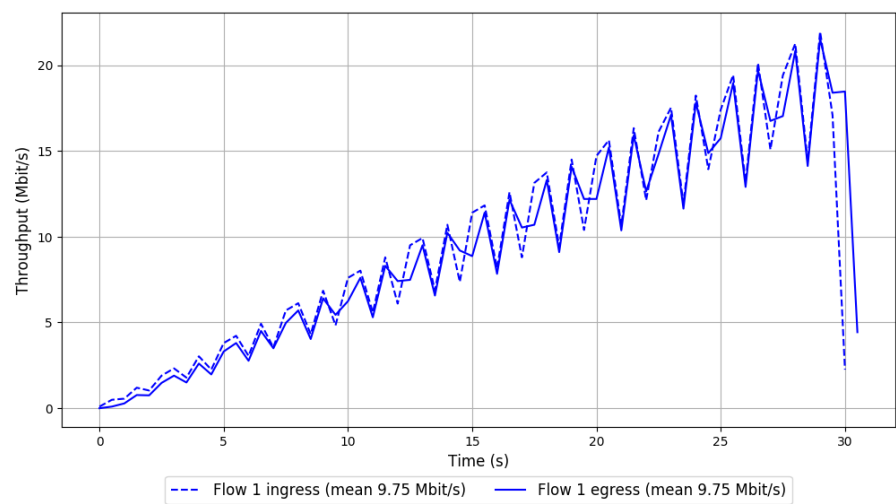


Run 2: Statistics of LEDBAT

Start at: 2019-03-18 20:35:03  
End at: 2019-03-18 20:35:33  
Local clock offset: 2.215 ms  
Remote clock offset: -29.051 ms

# Below is generated by plot.py at 2019-03-18 22:29:49  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 9.75 Mbit/s  
95th percentile per-packet one-way delay: 69.405 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 9.75 Mbit/s  
95th percentile per-packet one-way delay: 69.405 ms  
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



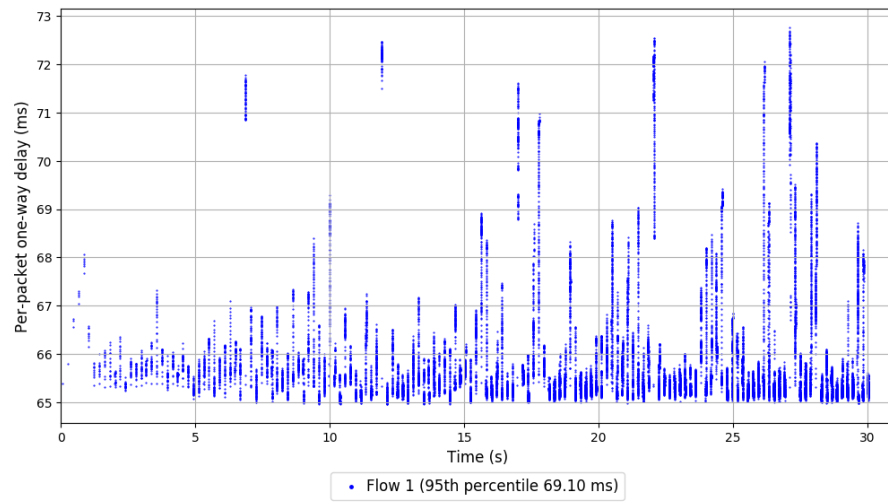
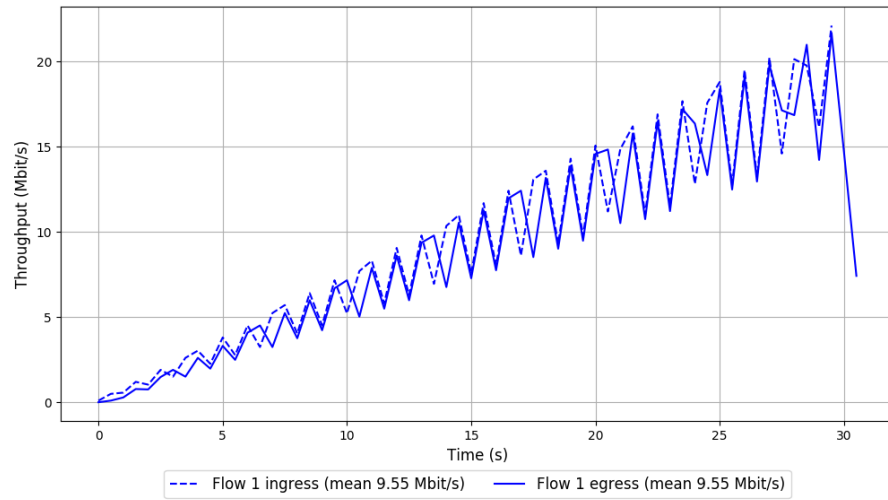


Run 3: Statistics of LEDBAT

Start at: 2019-03-18 21:08:05  
End at: 2019-03-18 21:08:35  
Local clock offset: 0.667 ms  
Remote clock offset: -30.055 ms

# Below is generated by plot.py at 2019-03-18 22:29:49  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 9.55 Mbit/s  
95th percentile per-packet one-way delay: 69.101 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 9.55 Mbit/s  
95th percentile per-packet one-way delay: 69.101 ms  
Loss rate: 0.00%

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

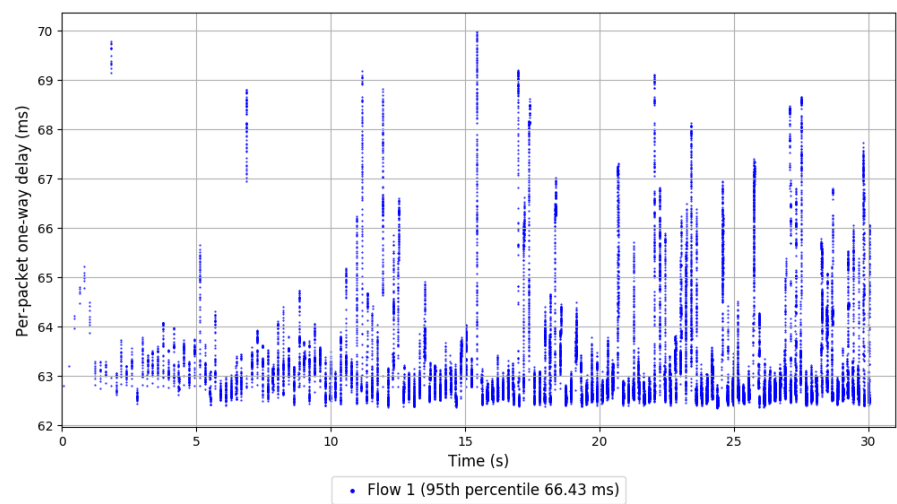
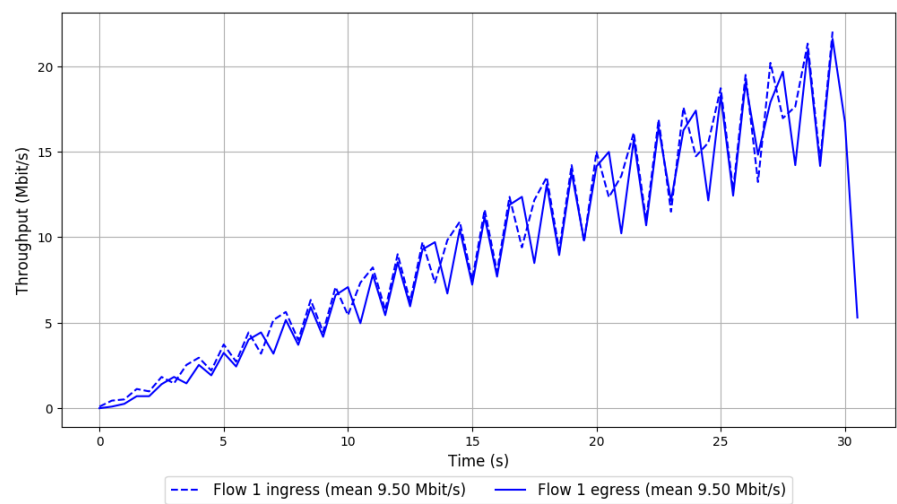


Run 4: Statistics of LEDBAT

Start at: 2019-03-18 21:35:37  
End at: 2019-03-18 21:36:07  
Local clock offset: -0.073 ms  
Remote clock offset: -30.458 ms

# Below is generated by plot.py at 2019-03-18 22:29:49  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 9.50 Mbit/s  
95th percentile per-packet one-way delay: 66.432 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 9.50 Mbit/s  
95th percentile per-packet one-way delay: 66.432 ms  
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

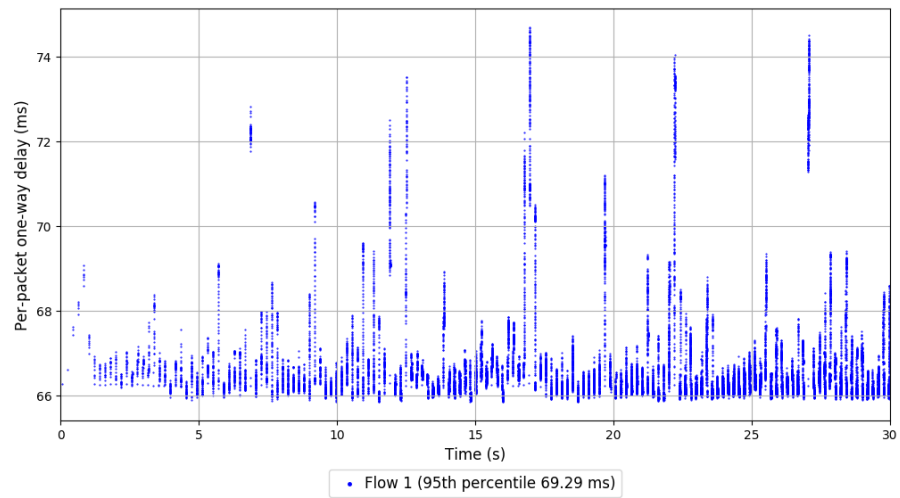
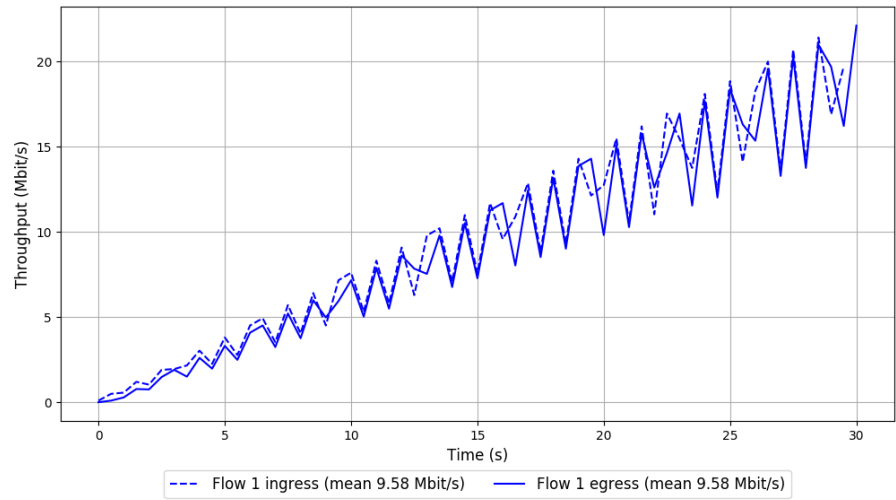


Run 5: Statistics of LEDBAT

Start at: 2019-03-18 22:03:04  
End at: 2019-03-18 22:03:34  
Local clock offset: 0.227 ms  
Remote clock offset: -27.098 ms

# Below is generated by plot.py at 2019-03-18 22:29:49  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 9.58 Mbit/s  
95th percentile per-packet one-way delay: 69.288 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 9.58 Mbit/s  
95th percentile per-packet one-way delay: 69.288 ms  
Loss rate: 0.00%

## Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2019-03-18 19:56:48

End at: 2019-03-18 19:57:18

Local clock offset: -1.39 ms

Remote clock offset: -34.476 ms

# Below is generated by plot.py at 2019-03-18 22:31:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 417.41 Mbit/s

95th percentile per-packet one-way delay: 68.451 ms

Loss rate: 1.19%

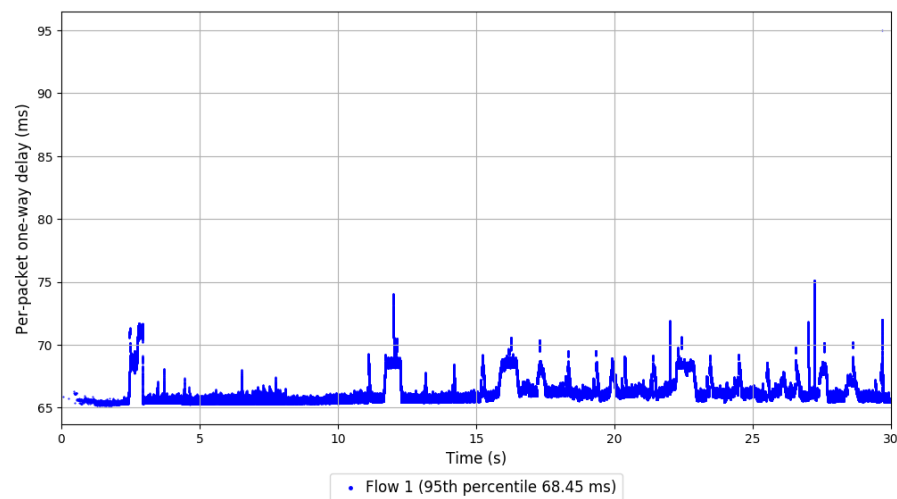
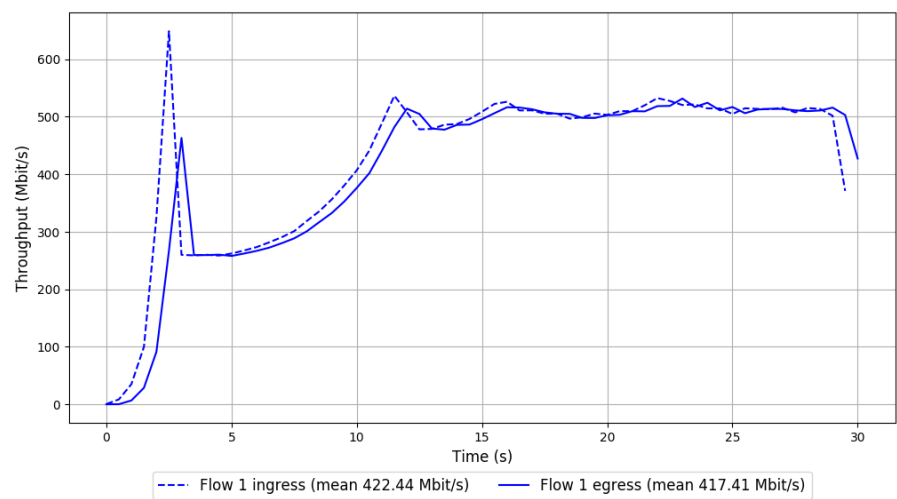
-- Flow 1:

Average throughput: 417.41 Mbit/s

95th percentile per-packet one-way delay: 68.451 ms

Loss rate: 1.19%

Run 1: Report of PCC-Allegro — Data Link





Run 2: Statistics of PCC-Allegro

Start at: 2019-03-18 20:29:47

End at: 2019-03-18 20:30:17

Local clock offset: 0.319 ms

Remote clock offset: -32.96 ms

# Below is generated by plot.py at 2019-03-18 22:31:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 334.25 Mbit/s

95th percentile per-packet one-way delay: 70.481 ms

Loss rate: 4.34%

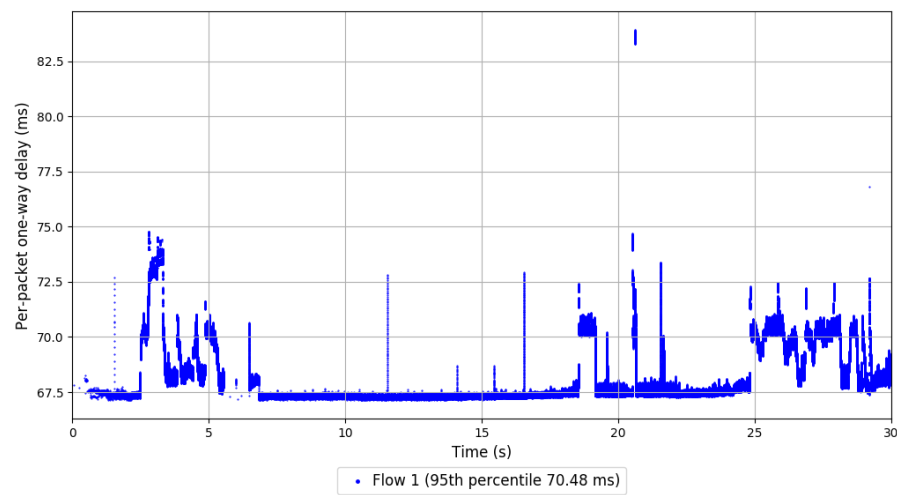
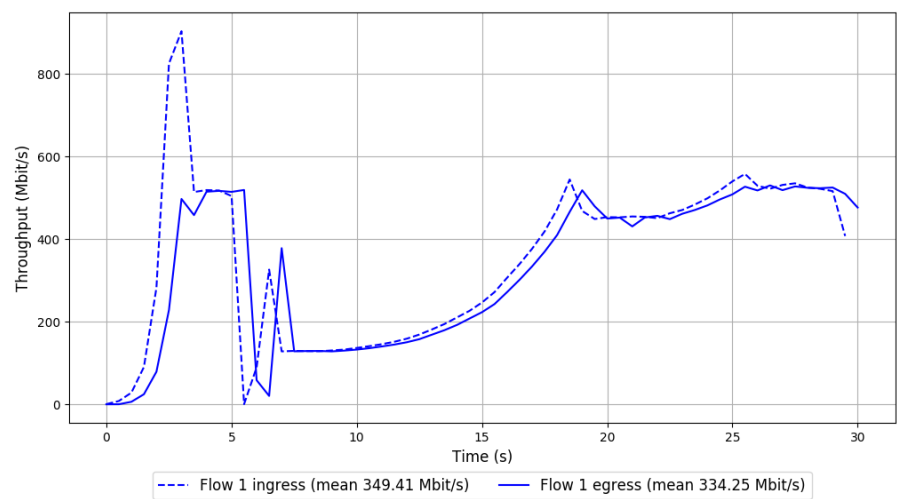
-- Flow 1:

Average throughput: 334.25 Mbit/s

95th percentile per-packet one-way delay: 70.481 ms

Loss rate: 4.34%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-03-18 21:02:35

End at: 2019-03-18 21:03:05

Local clock offset: 1.452 ms

Remote clock offset: -25.874 ms

# Below is generated by plot.py at 2019-03-18 22:33:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 387.07 Mbit/s

95th percentile per-packet one-way delay: 74.290 ms

Loss rate: 1.72%

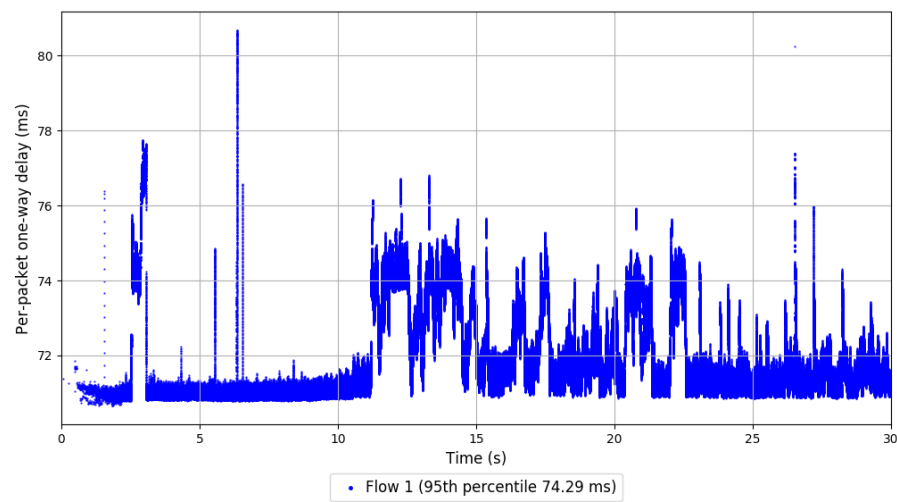
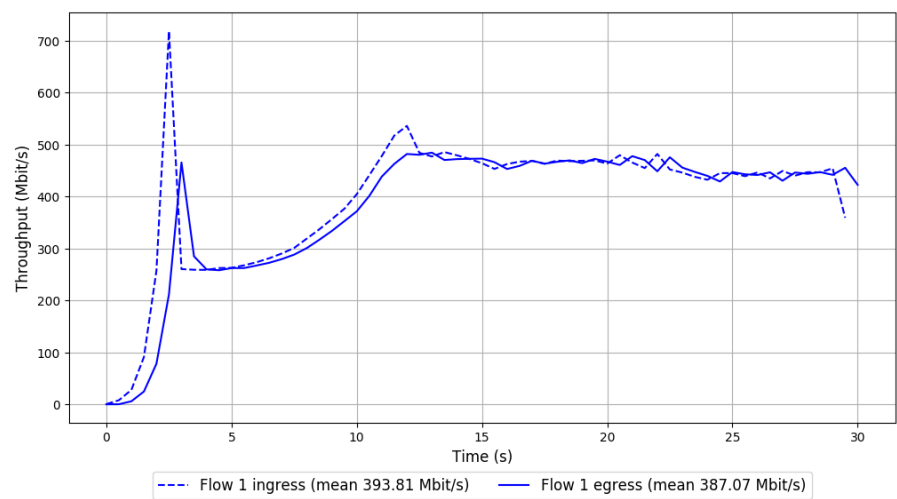
-- Flow 1:

Average throughput: 387.07 Mbit/s

95th percentile per-packet one-way delay: 74.290 ms

Loss rate: 1.72%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-03-18 21:30:15

End at: 2019-03-18 21:30:45

Local clock offset: 0.805 ms

Remote clock offset: -29.541 ms

# Below is generated by plot.py at 2019-03-18 22:34:32

# Datalink statistics

-- Total of 1 flow:

Average throughput: 463.91 Mbit/s

95th percentile per-packet one-way delay: 68.116 ms

Loss rate: 3.47%

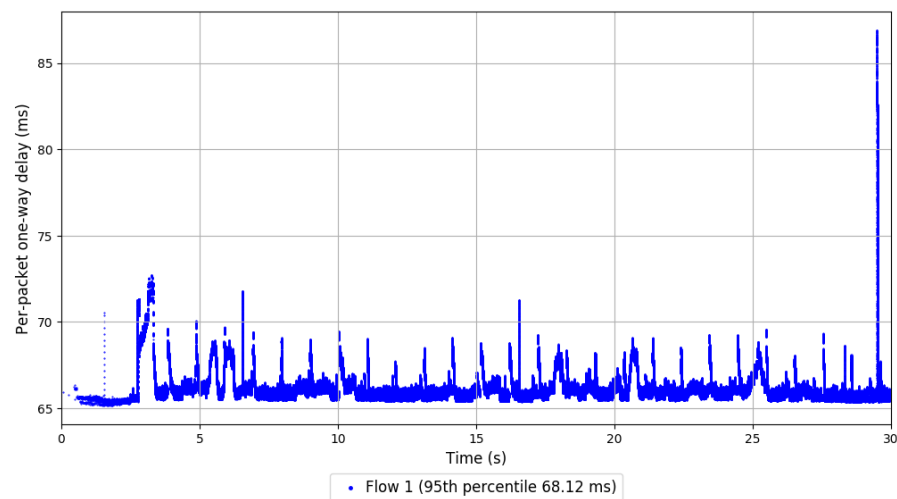
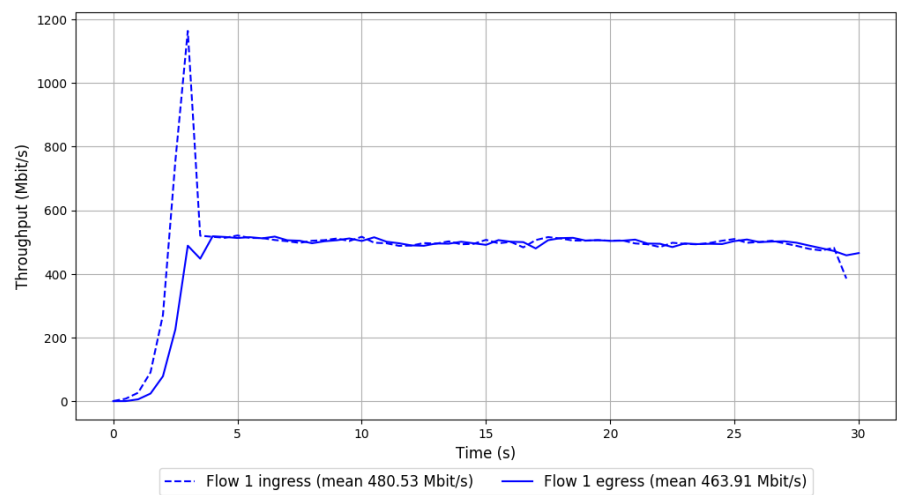
-- Flow 1:

Average throughput: 463.91 Mbit/s

95th percentile per-packet one-way delay: 68.116 ms

Loss rate: 3.47%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-03-18 21:57:39

End at: 2019-03-18 21:58:09

Local clock offset: 0.064 ms

Remote clock offset: -32.596 ms

# Below is generated by plot.py at 2019-03-18 22:34:58

# Datalink statistics

-- Total of 1 flow:

Average throughput: 468.57 Mbit/s

95th percentile per-packet one-way delay: 65.715 ms

Loss rate: 3.52%

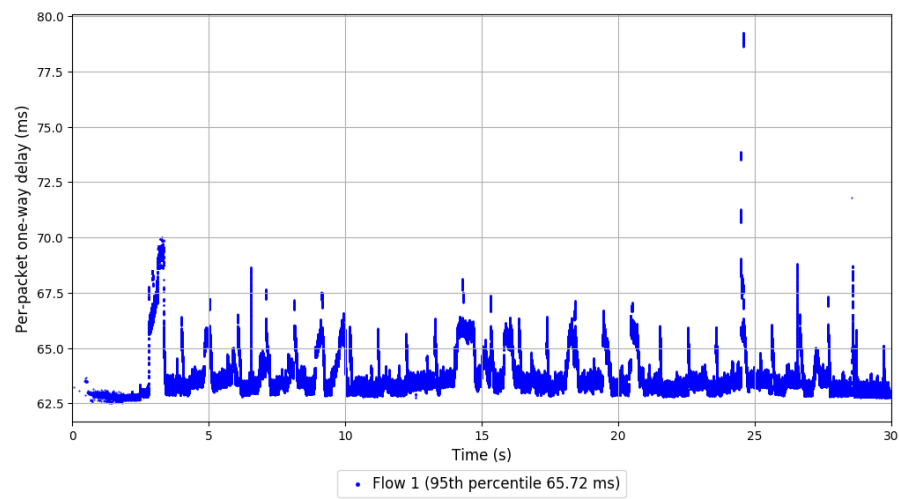
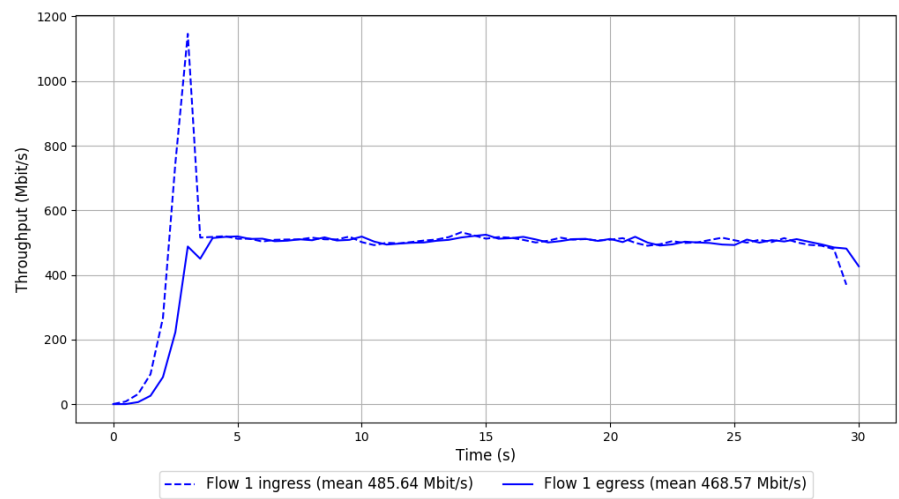
-- Flow 1:

Average throughput: 468.57 Mbit/s

95th percentile per-packet one-way delay: 65.715 ms

Loss rate: 3.52%

Run 5: Report of PCC-Allegro — Data Link



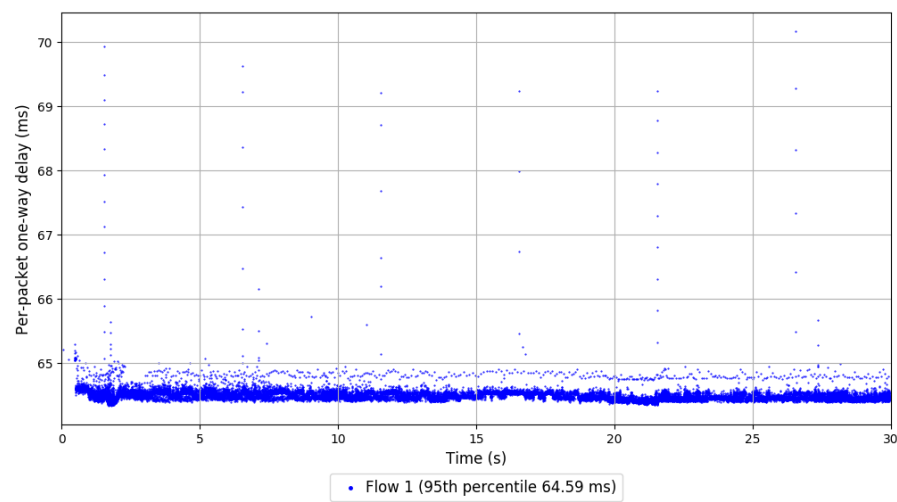
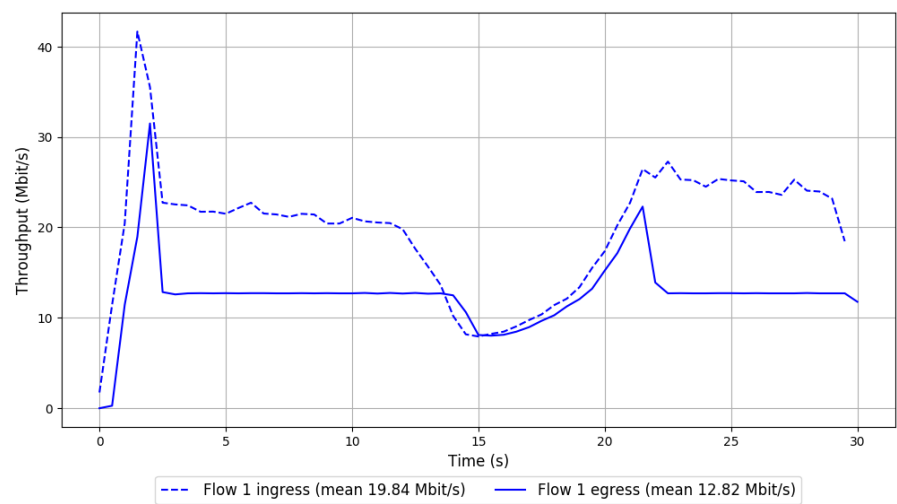


Run 1: Statistics of PCC-Expr

Start at: 2019-03-18 19:59:39  
End at: 2019-03-18 20:00:09  
Local clock offset: -1.247 ms  
Remote clock offset: -34.984 ms

# Below is generated by plot.py at 2019-03-18 22:34:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.82 Mbit/s  
95th percentile per-packet one-way delay: 64.594 ms  
Loss rate: 35.40%  
-- Flow 1:  
Average throughput: 12.82 Mbit/s  
95th percentile per-packet one-way delay: 64.594 ms  
Loss rate: 35.40%

Run 1: Report of PCC-Expr — Data Link

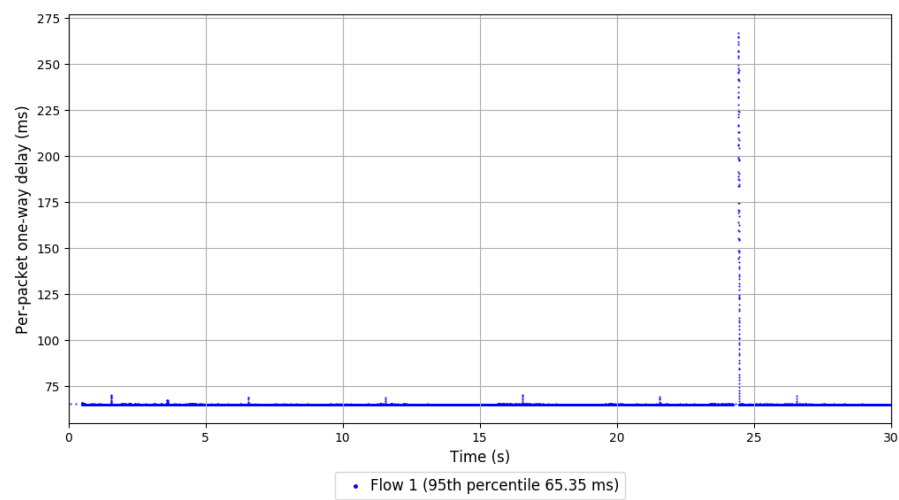
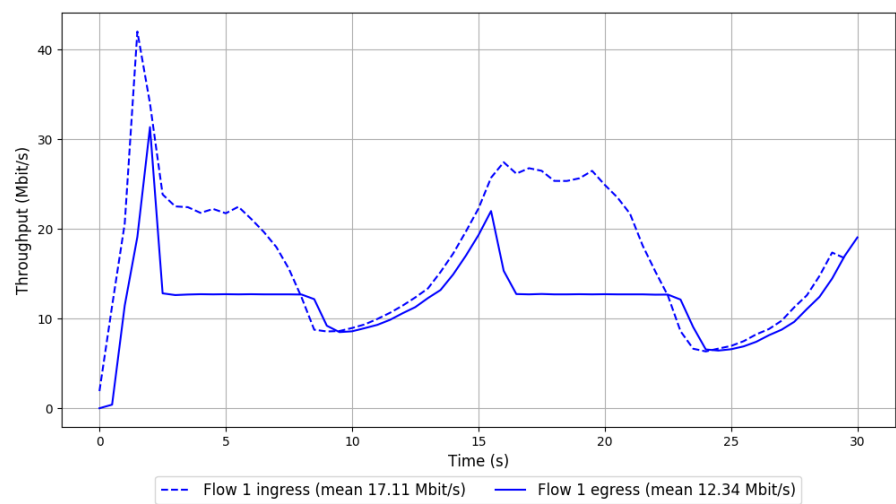


Run 2: Statistics of PCC-Expr

Start at: 2019-03-18 20:32:36  
End at: 2019-03-18 20:33:06  
Local clock offset: 0.21 ms  
Remote clock offset: -32.66 ms

# Below is generated by plot.py at 2019-03-18 22:34:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.34 Mbit/s  
95th percentile per-packet one-way delay: 65.350 ms  
Loss rate: 27.91%  
-- Flow 1:  
Average throughput: 12.34 Mbit/s  
95th percentile per-packet one-way delay: 65.350 ms  
Loss rate: 27.91%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

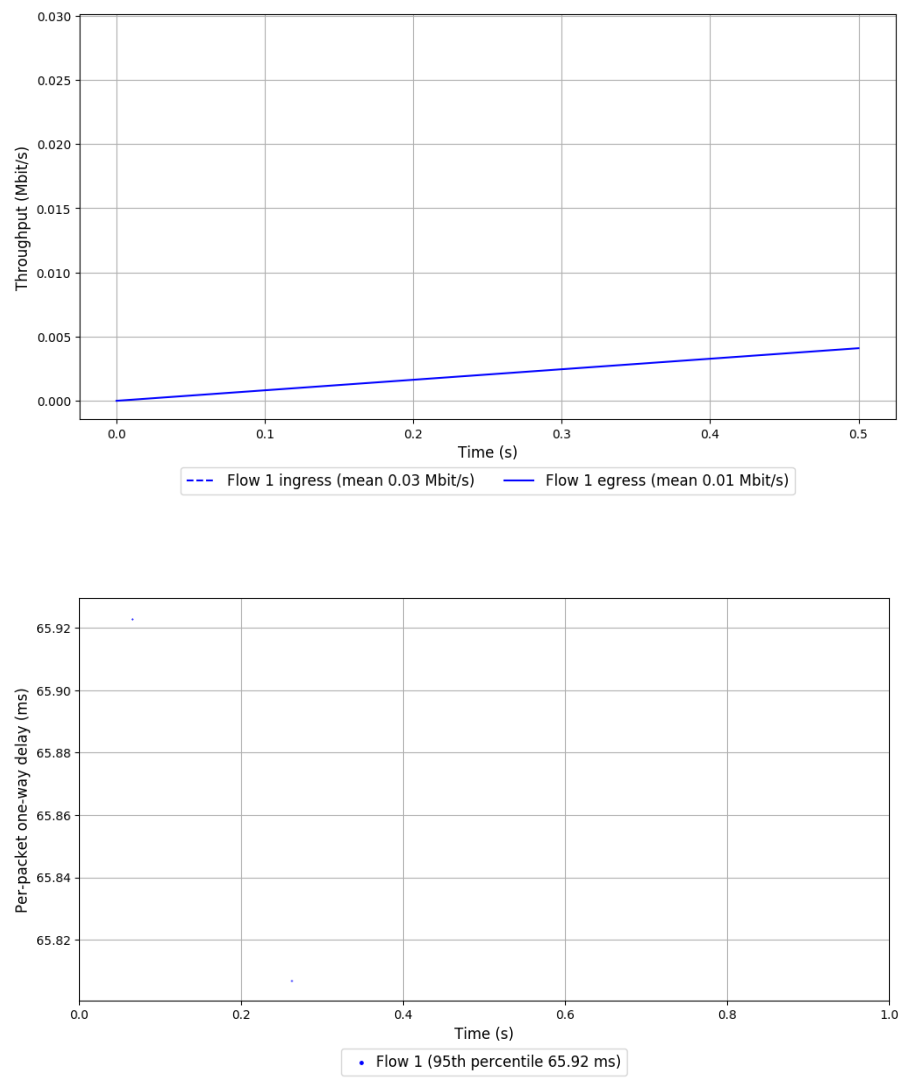
Start at: 2019-03-18 21:05:40

End at: 2019-03-18 21:06:10

Local clock offset: 0.277 ms

Remote clock offset: -32.383 ms

Run 3: Report of PCC-Expr — Data Link

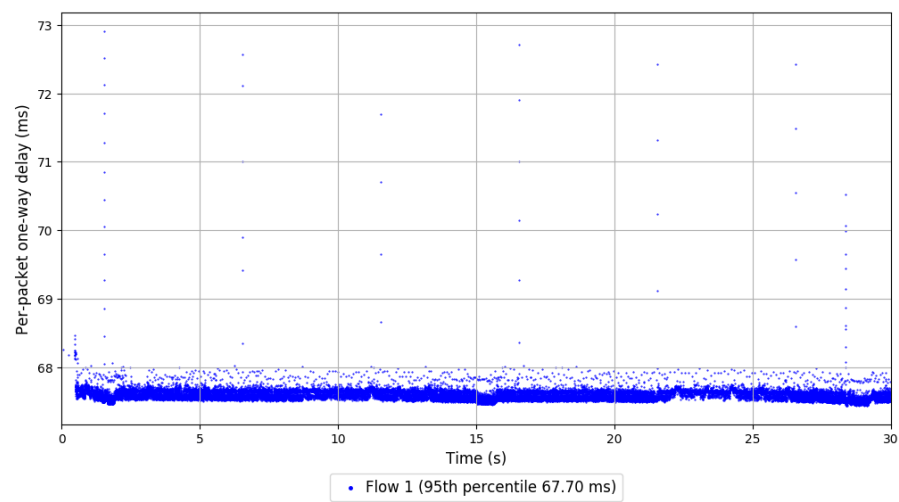
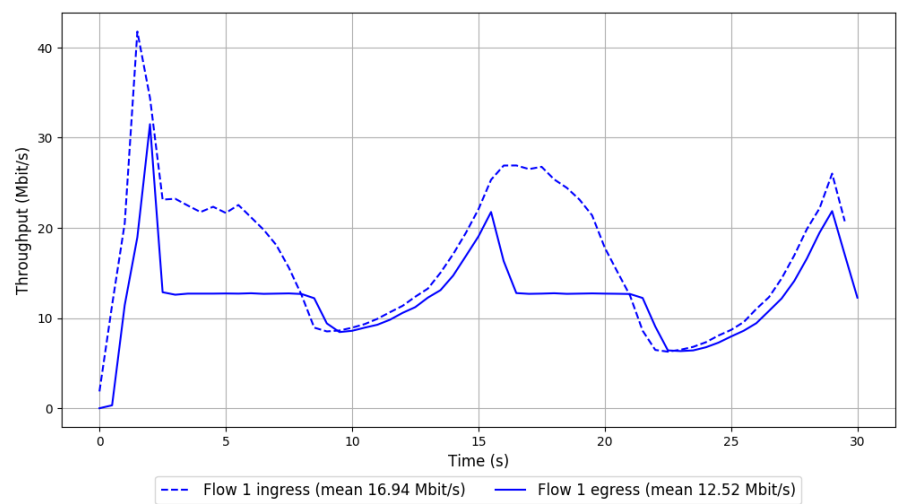


Run 4: Statistics of PCC-Expr

Start at: 2019-03-18 21:33:07  
End at: 2019-03-18 21:33:37  
Local clock offset: -0.44 ms  
Remote clock offset: -25.911 ms

# Below is generated by plot.py at 2019-03-18 22:34:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.52 Mbit/s  
95th percentile per-packet one-way delay: 67.700 ms  
Loss rate: 26.10%  
-- Flow 1:  
Average throughput: 12.52 Mbit/s  
95th percentile per-packet one-way delay: 67.700 ms  
Loss rate: 26.10%

Run 4: Report of PCC-Expr — Data Link



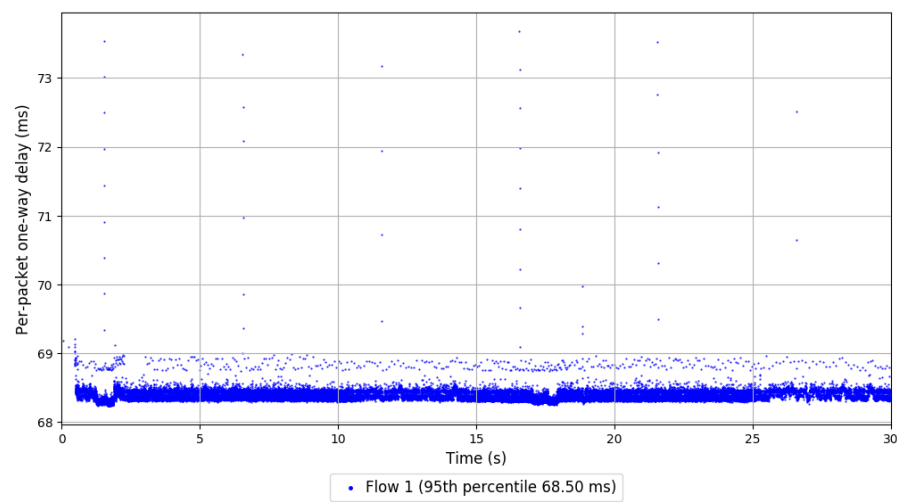
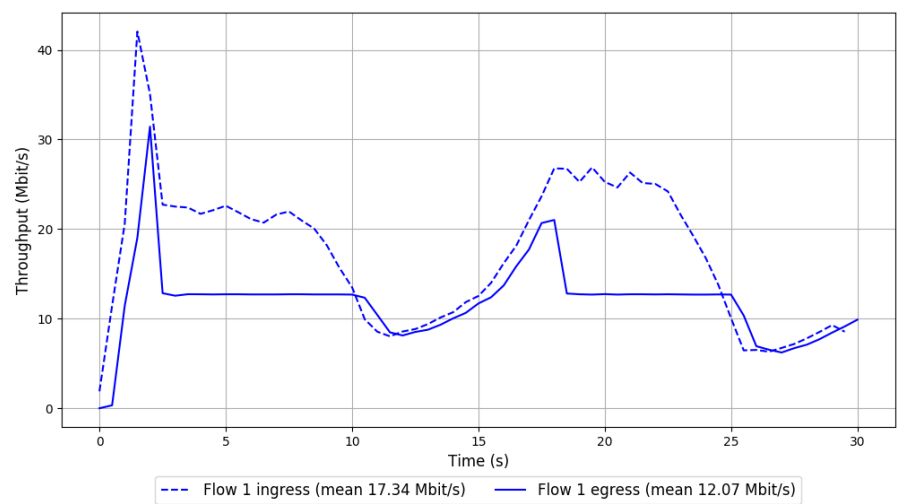


Run 5: Statistics of PCC-Expr

Start at: 2019-03-18 22:00:32  
End at: 2019-03-18 22:01:02  
Local clock offset: 1.563 ms  
Remote clock offset: -23.039 ms

# Below is generated by plot.py at 2019-03-18 22:34:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.07 Mbit/s  
95th percentile per-packet one-way delay: 68.501 ms  
Loss rate: 30.37%  
-- Flow 1:  
Average throughput: 12.07 Mbit/s  
95th percentile per-packet one-way delay: 68.501 ms  
Loss rate: 30.37%

Run 5: Report of PCC-Expr — Data Link

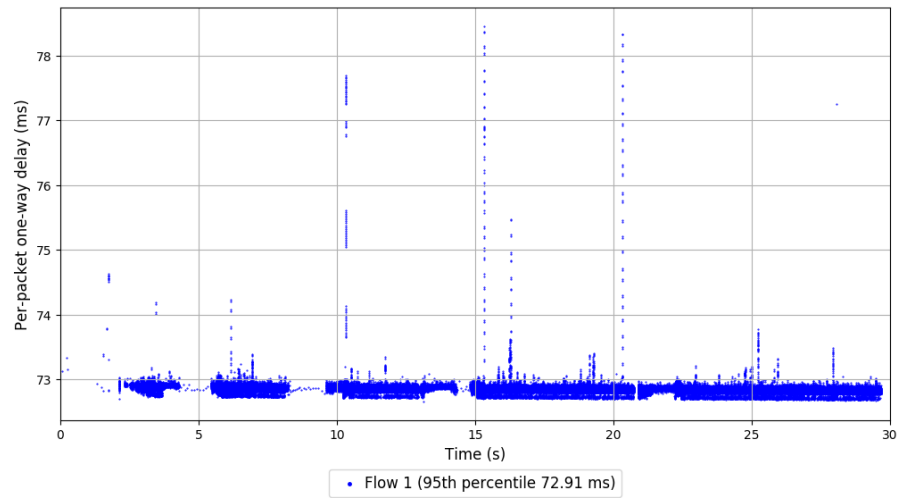
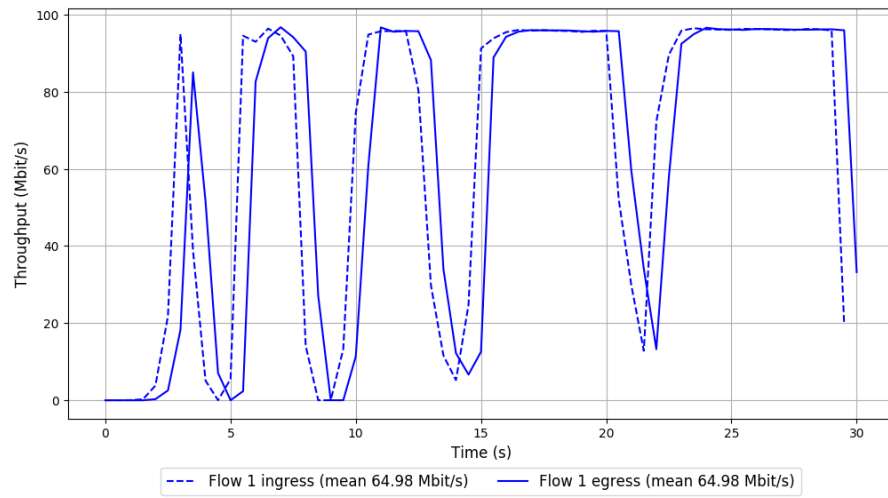


Run 1: Statistics of QUIC Cubic

Start at: 2019-03-18 19:28:20  
End at: 2019-03-18 19:28:50  
Local clock offset: 0.132 ms  
Remote clock offset: -29.264 ms

# Below is generated by plot.py at 2019-03-18 22:34:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 64.98 Mbit/s  
95th percentile per-packet one-way delay: 72.911 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 64.98 Mbit/s  
95th percentile per-packet one-way delay: 72.911 ms  
Loss rate: 0.01%

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

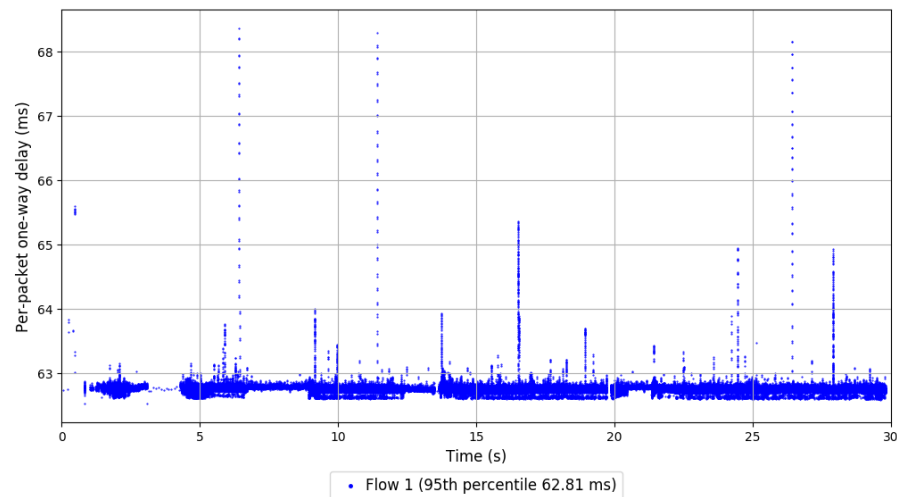
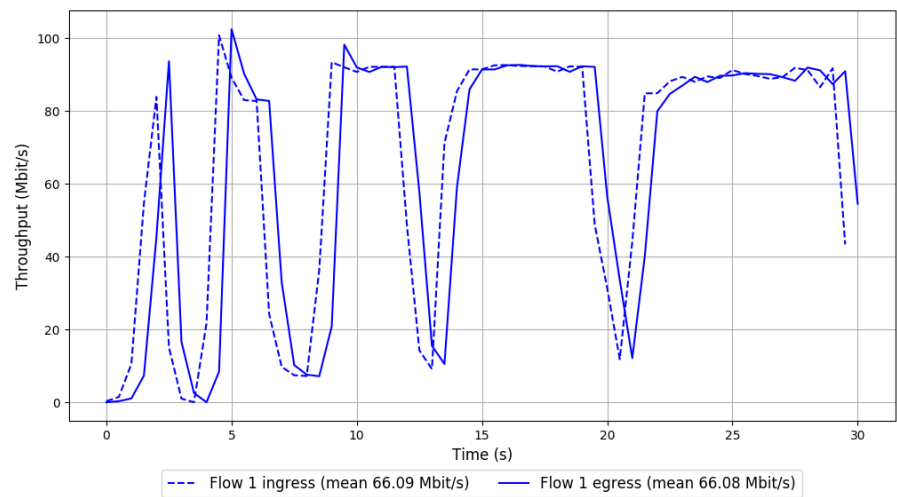


Run 2: Statistics of QUIC Cubic

Start at: 2019-03-18 20:07:03  
End at: 2019-03-18 20:07:33  
Local clock offset: -1.33 ms  
Remote clock offset: -39.217 ms

# Below is generated by plot.py at 2019-03-18 22:34:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 66.08 Mbit/s  
95th percentile per-packet one-way delay: 62.808 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 66.08 Mbit/s  
95th percentile per-packet one-way delay: 62.808 ms  
Loss rate: 0.01%

Run 2: Report of QUIC Cubic — Data Link

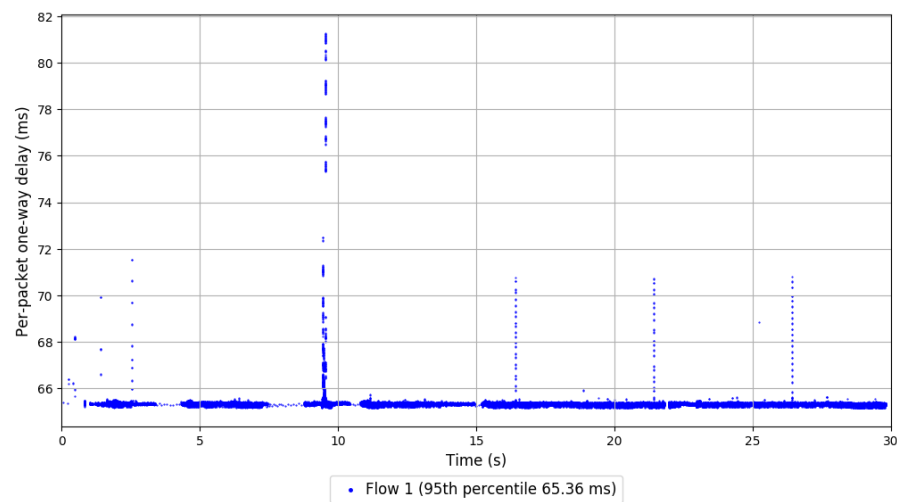
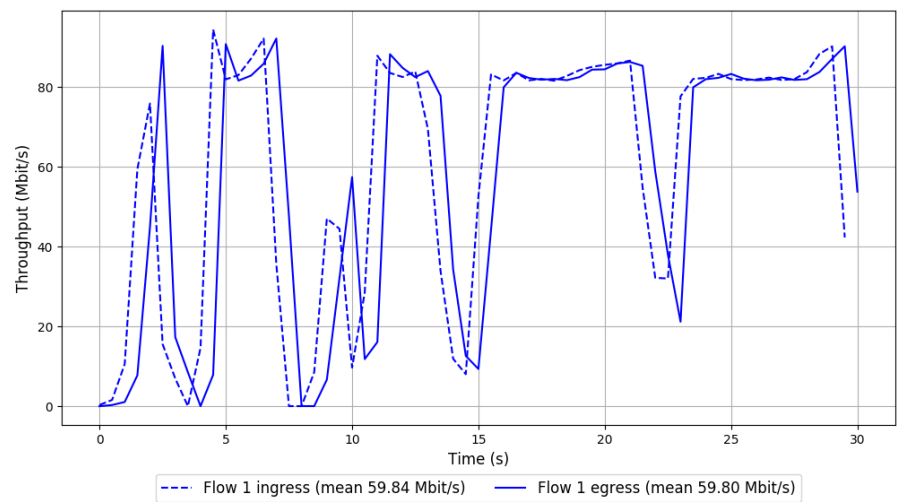


Run 3: Statistics of QUIC Cubic

Start at: 2019-03-18 20:39:58  
End at: 2019-03-18 20:40:28  
Local clock offset: -0.321 ms  
Remote clock offset: -35.202 ms

# Below is generated by plot.py at 2019-03-18 22:34:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 59.80 Mbit/s  
95th percentile per-packet one-way delay: 65.360 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 59.80 Mbit/s  
95th percentile per-packet one-way delay: 65.360 ms  
Loss rate: 0.06%

Run 3: Report of QUIC Cubic — Data Link



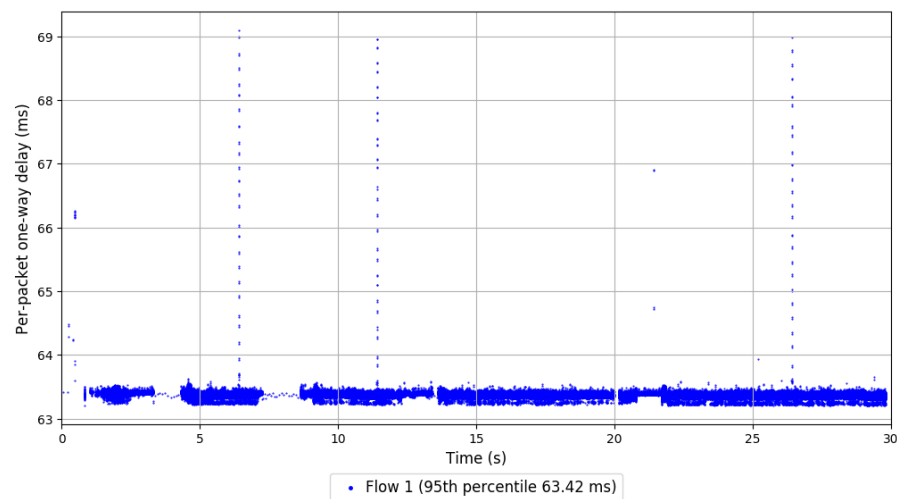
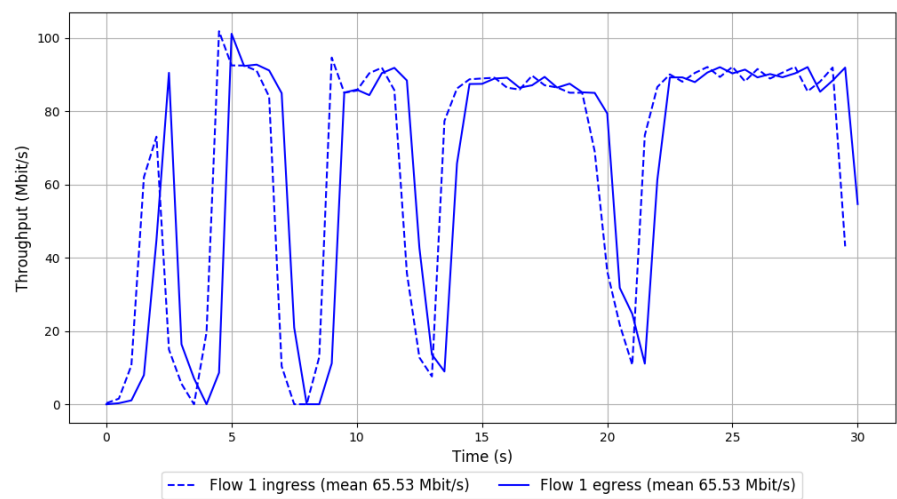


Run 4: Statistics of QUIC Cubic

Start at: 2019-03-18 21:13:02  
End at: 2019-03-18 21:13:32  
Local clock offset: 2.41 ms  
Remote clock offset: -29.582 ms

# Below is generated by plot.py at 2019-03-18 22:34:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 65.53 Mbit/s  
95th percentile per-packet one-way delay: 63.424 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 65.53 Mbit/s  
95th percentile per-packet one-way delay: 63.424 ms  
Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link

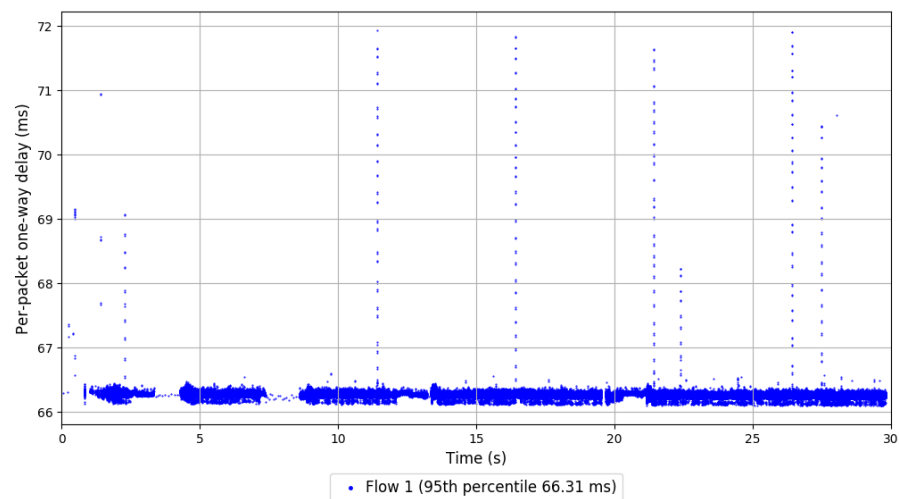
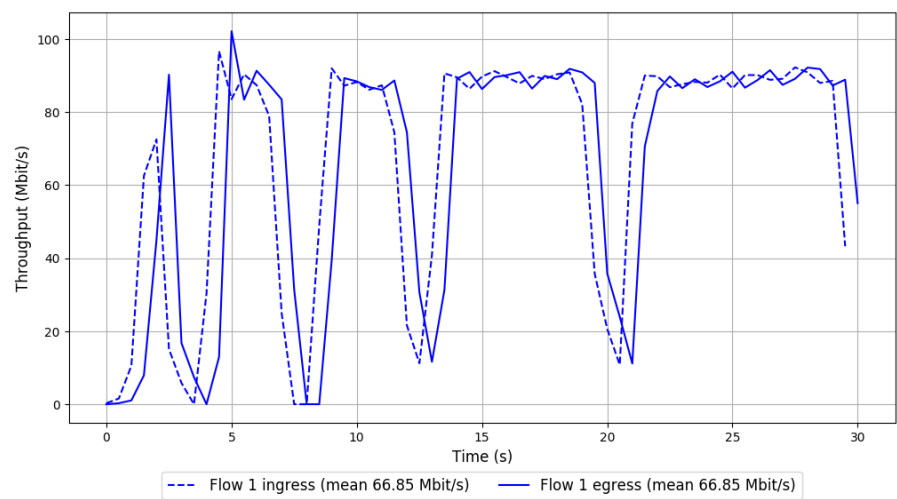


Run 5: Statistics of QUIC Cubic

Start at: 2019-03-18 21:40:32  
End at: 2019-03-18 21:41:02  
Local clock offset: -0.189 ms  
Remote clock offset: -26.484 ms

# Below is generated by plot.py at 2019-03-18 22:34:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 66.85 Mbit/s  
95th percentile per-packet one-way delay: 66.313 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 66.85 Mbit/s  
95th percentile per-packet one-way delay: 66.313 ms  
Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

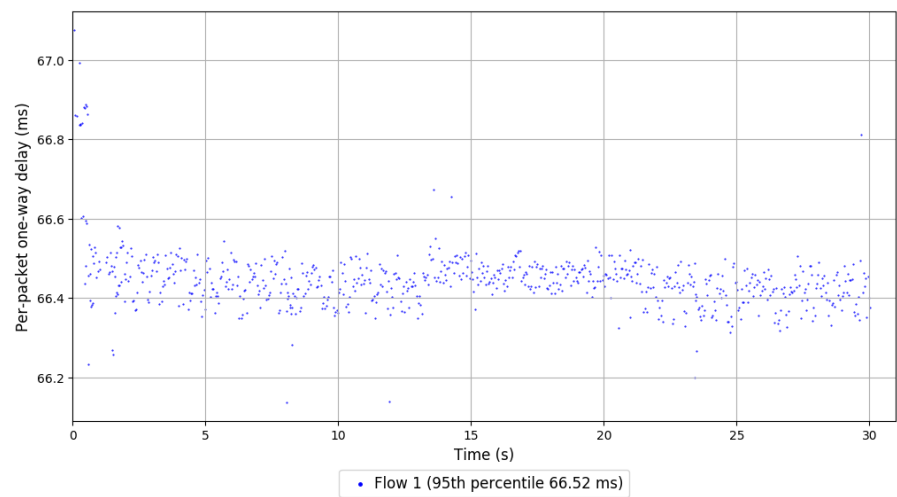
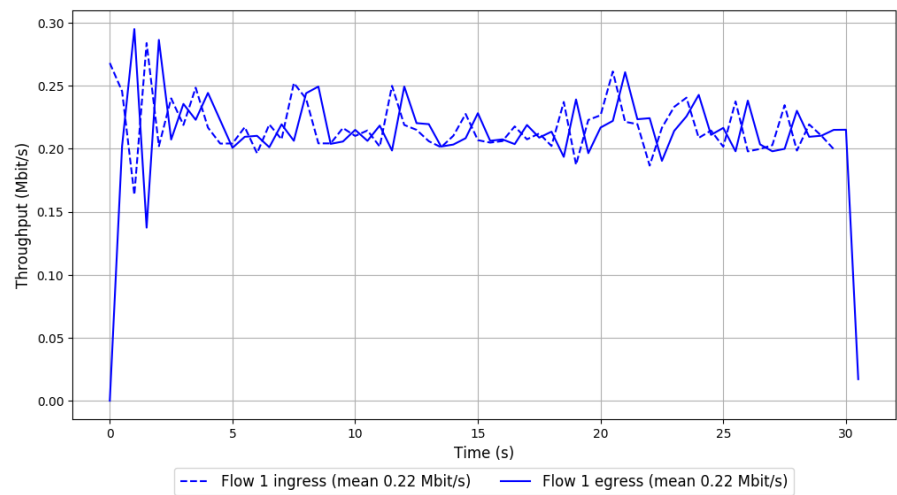


Run 1: Statistics of SCReAM

Start at: 2019-03-18 19:50:19  
End at: 2019-03-18 19:50:49  
Local clock offset: 0.606 ms  
Remote clock offset: -31.739 ms

# Below is generated by plot.py at 2019-03-18 22:34:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 66.518 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 66.518 ms  
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

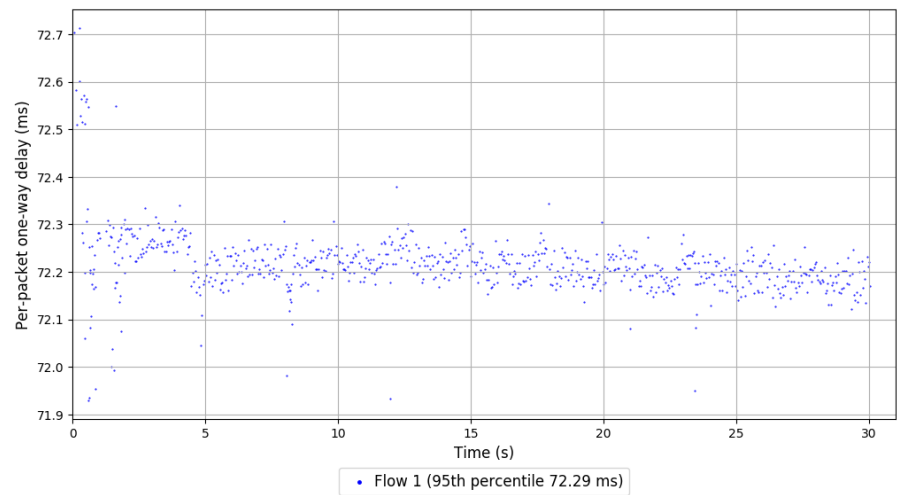
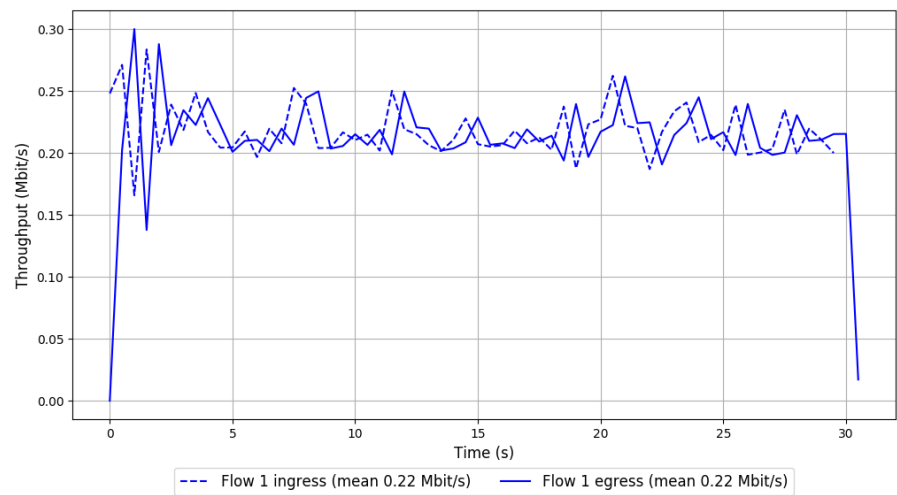


Run 2: Statistics of SCReAM

Start at: 2019-03-18 20:23:17  
End at: 2019-03-18 20:23:47  
Local clock offset: 0.281 ms  
Remote clock offset: -28.941 ms

# Below is generated by plot.py at 2019-03-18 22:34:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 72.291 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 72.291 ms  
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



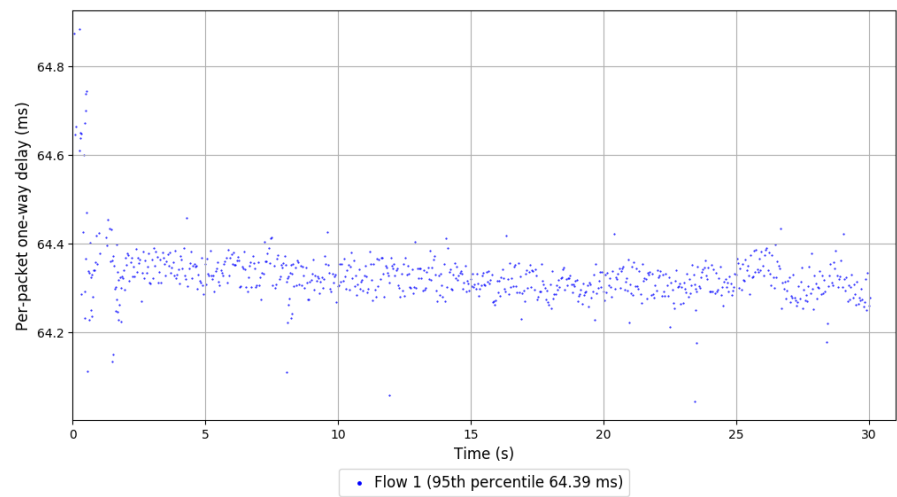
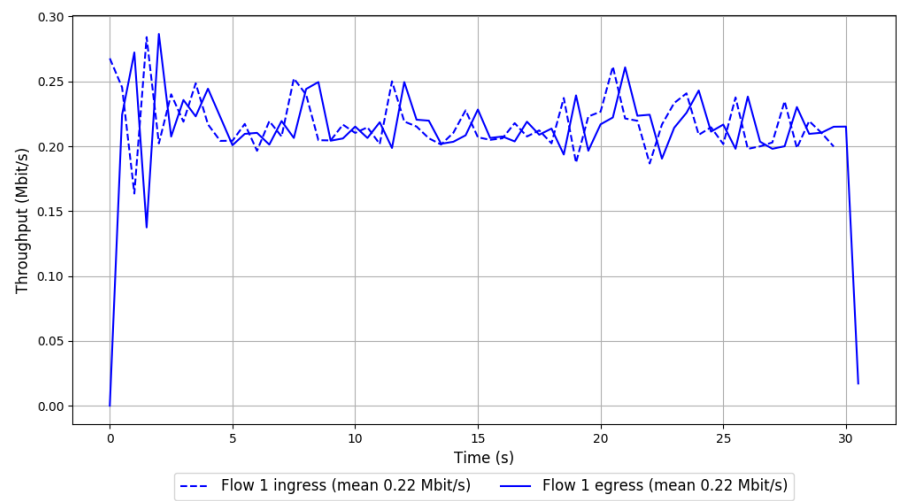


Run 3: Statistics of SCReAM

Start at: 2019-03-18 20:50:40  
End at: 2019-03-18 20:51:10  
Local clock offset: 2.305 ms  
Remote clock offset: -30.363 ms

# Below is generated by plot.py at 2019-03-18 22:34:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 64.390 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 64.390 ms  
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

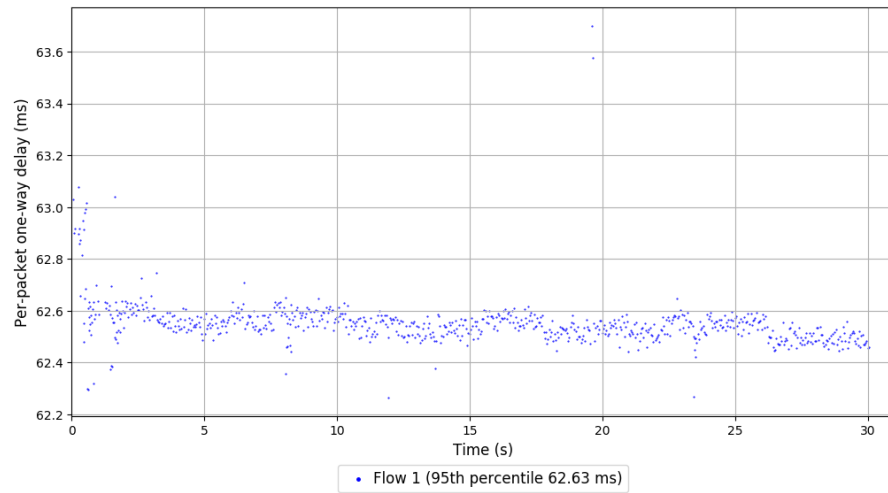
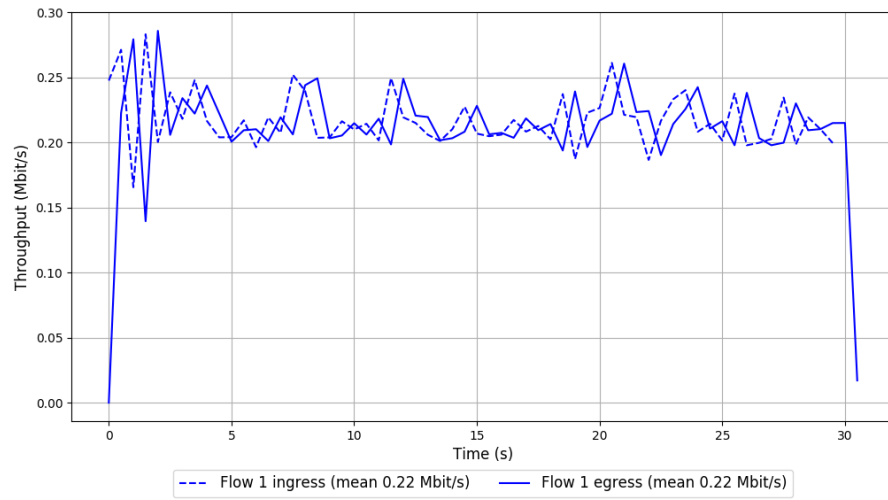


Run 4: Statistics of SCReAM

Start at: 2019-03-18 21:23:46  
End at: 2019-03-18 21:24:16  
Local clock offset: -0.427 ms  
Remote clock offset: -34.347 ms

# Below is generated by plot.py at 2019-03-18 22:34:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 62.632 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 62.632 ms  
Loss rate: 0.00%

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

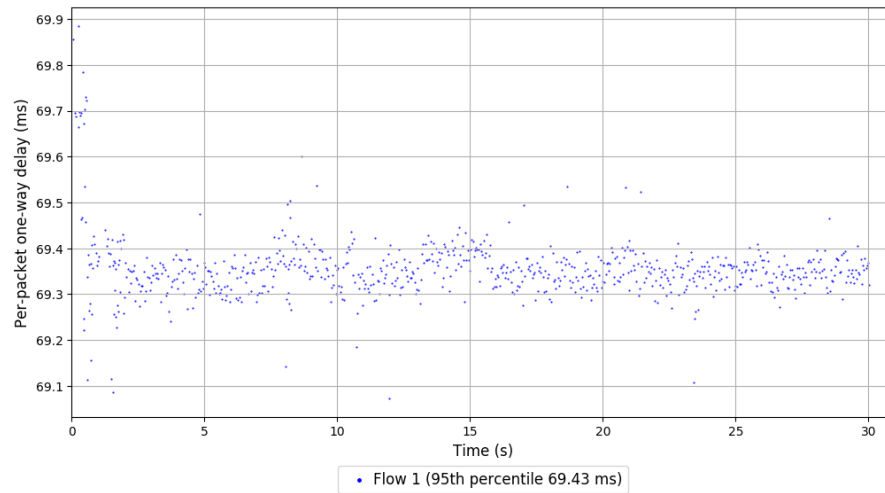
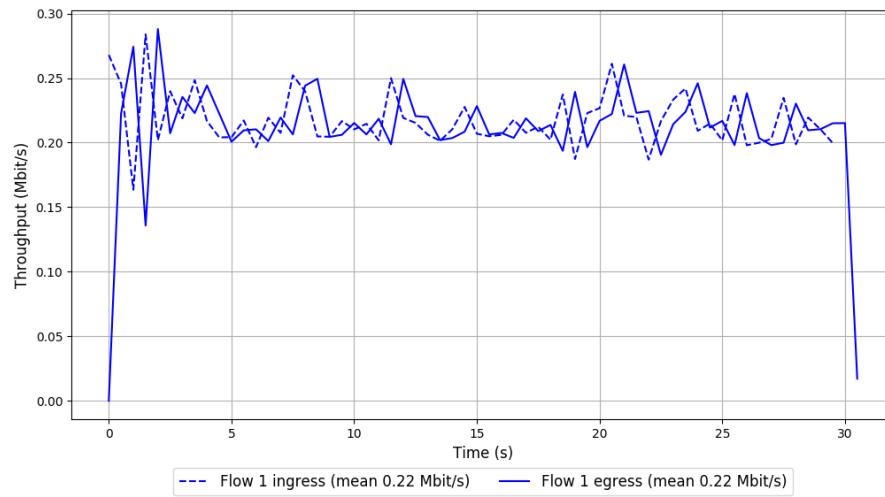


Run 5: Statistics of SCReAM

Start at: 2019-03-18 21:51:11  
End at: 2019-03-18 21:51:42  
Local clock offset: -0.033 ms  
Remote clock offset: -23.514 ms

# Below is generated by plot.py at 2019-03-18 22:34:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 69.427 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 69.427 ms  
Loss rate: 0.00%

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

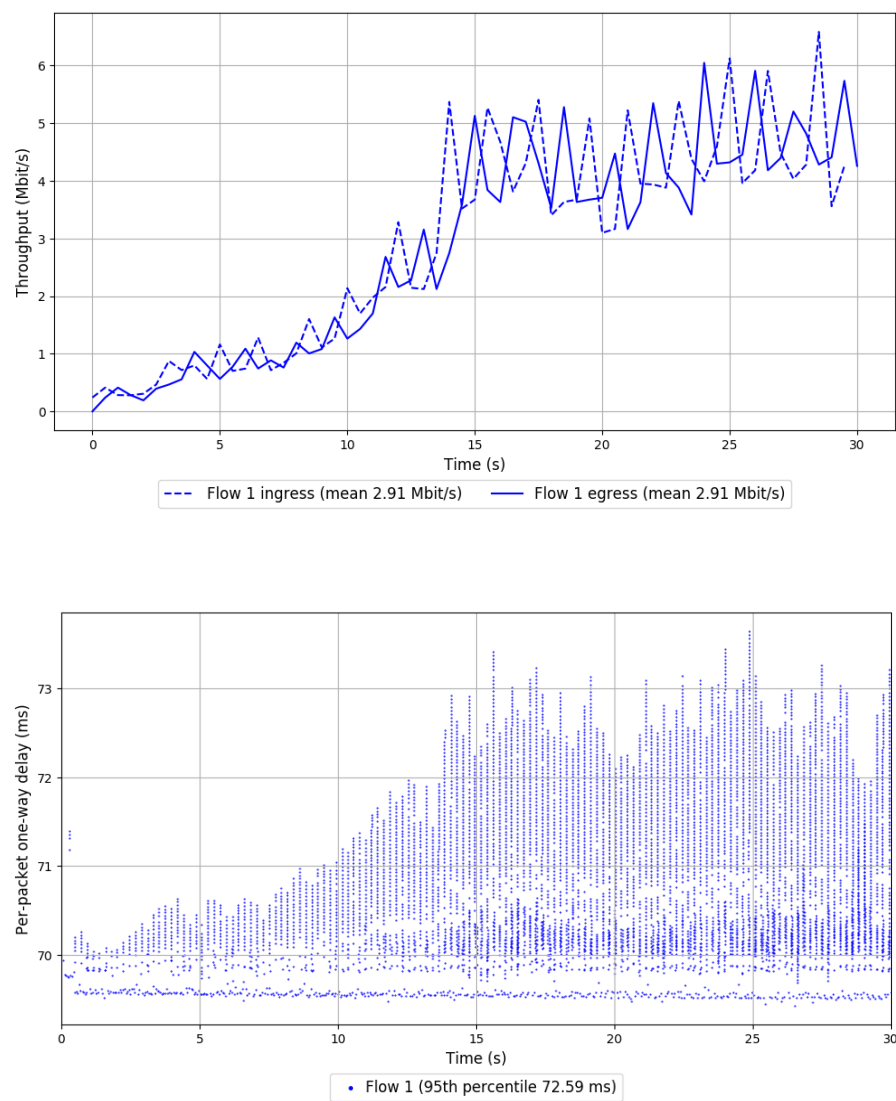


Run 1: Statistics of Sprout

Start at: 2019-03-18 19:27:09  
End at: 2019-03-18 19:27:39  
Local clock offset: 1.03 ms  
Remote clock offset: -29.294 ms

# Below is generated by plot.py at 2019-03-18 22:34:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.91 Mbit/s  
95th percentile per-packet one-way delay: 72.593 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.91 Mbit/s  
95th percentile per-packet one-way delay: 72.593 ms  
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



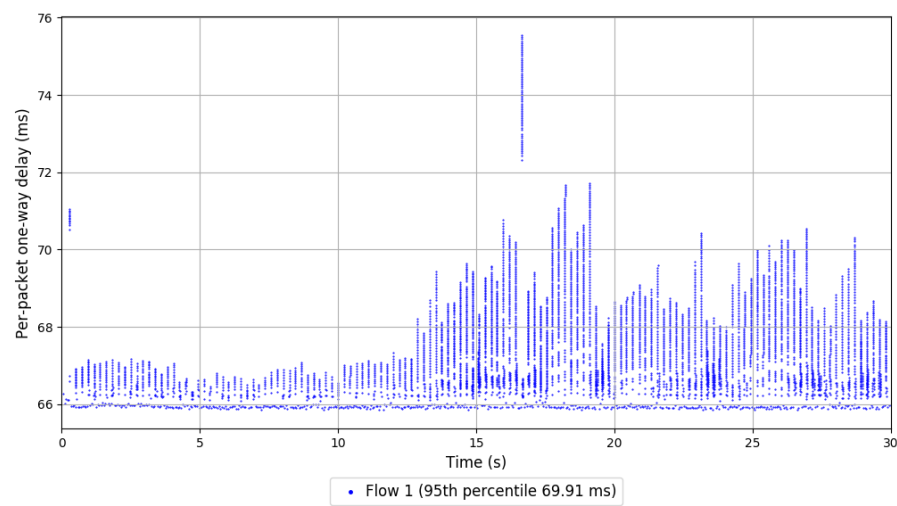
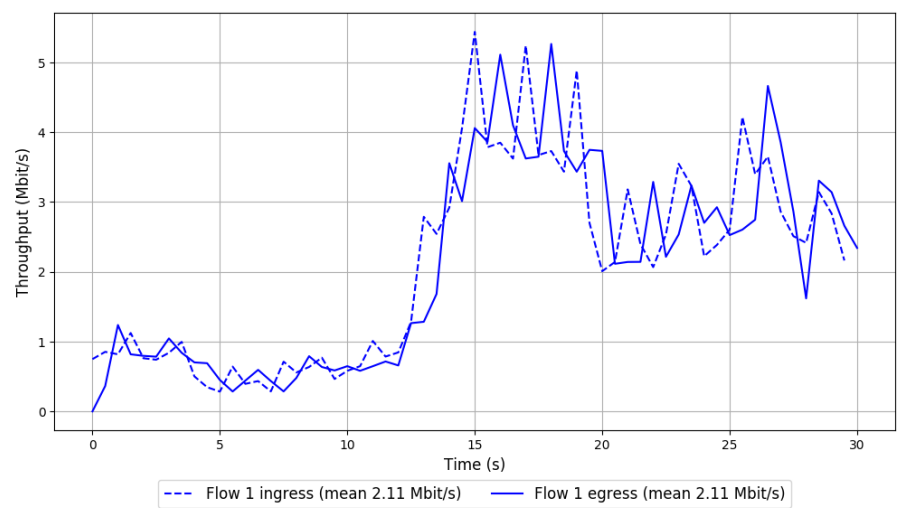


Run 2: Statistics of Sprout

Start at: 2019-03-18 20:05:52  
End at: 2019-03-18 20:06:22  
Local clock offset: 0.215 ms  
Remote clock offset: -34.306 ms

# Below is generated by plot.py at 2019-03-18 22:34:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.11 Mbit/s  
95th percentile per-packet one-way delay: 69.905 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.11 Mbit/s  
95th percentile per-packet one-way delay: 69.905 ms  
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

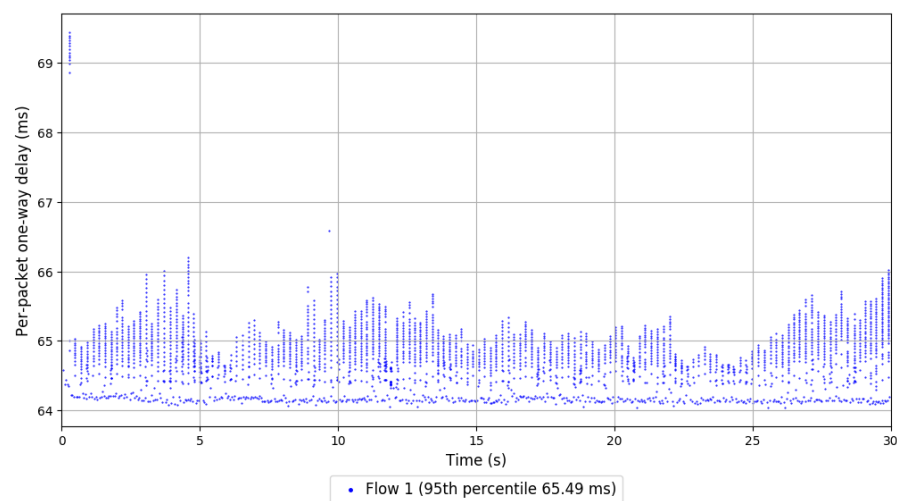
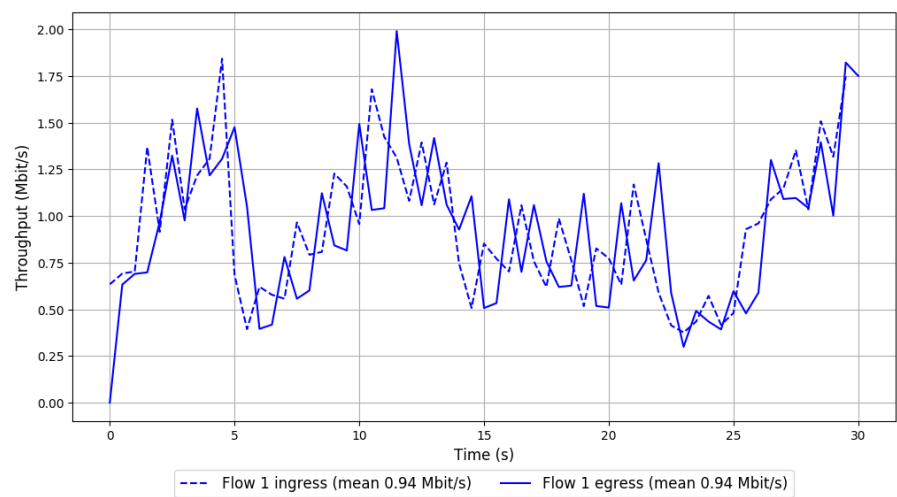


Run 3: Statistics of Sprout

Start at: 2019-03-18 20:38:48  
End at: 2019-03-18 20:39:18  
Local clock offset: 1.178 ms  
Remote clock offset: -32.327 ms

# Below is generated by plot.py at 2019-03-18 22:34:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.94 Mbit/s  
95th percentile per-packet one-way delay: 65.489 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.94 Mbit/s  
95th percentile per-packet one-way delay: 65.489 ms  
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

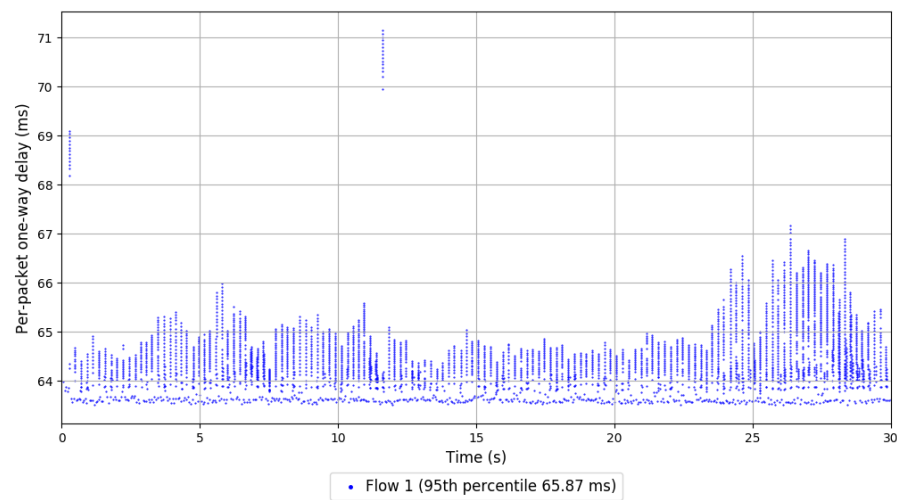
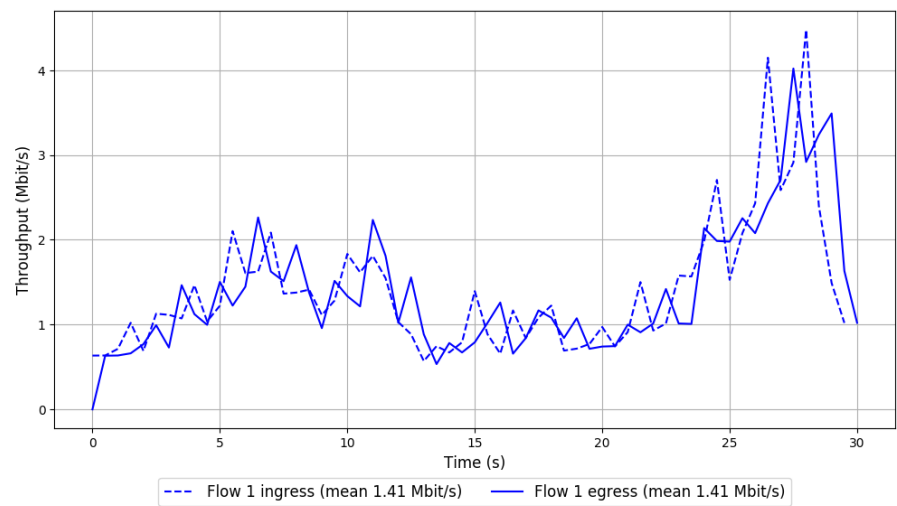


Run 4: Statistics of Sprout

Start at: 2019-03-18 21:11:52  
End at: 2019-03-18 21:12:22  
Local clock offset: 2.118 ms  
Remote clock offset: -29.775 ms

# Below is generated by plot.py at 2019-03-18 22:34:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.41 Mbit/s  
95th percentile per-packet one-way delay: 65.868 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.41 Mbit/s  
95th percentile per-packet one-way delay: 65.868 ms  
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

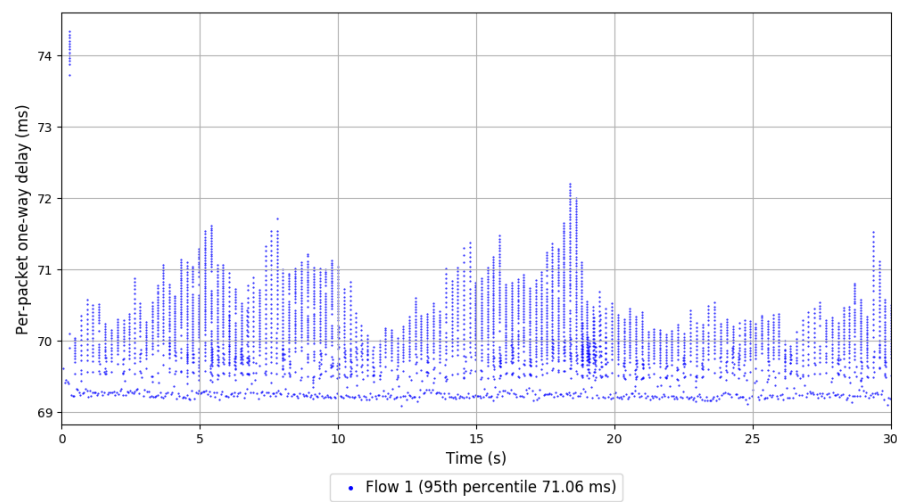
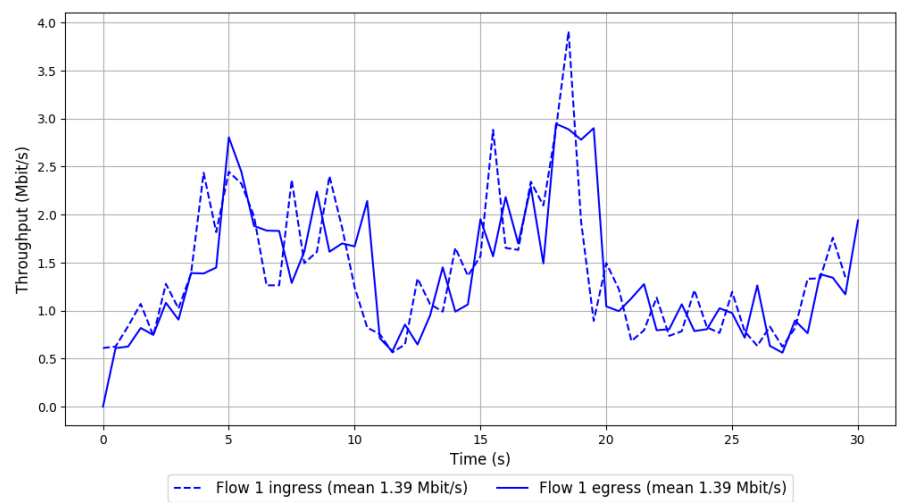


Run 5: Statistics of Sprout

Start at: 2019-03-18 21:39:21  
End at: 2019-03-18 21:39:51  
Local clock offset: -0.133 ms  
Remote clock offset: -23.456 ms

# Below is generated by plot.py at 2019-03-18 22:34:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.39 Mbit/s  
95th percentile per-packet one-way delay: 71.063 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.39 Mbit/s  
95th percentile per-packet one-way delay: 71.063 ms  
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link





Run 1: Statistics of TaoVA-100x

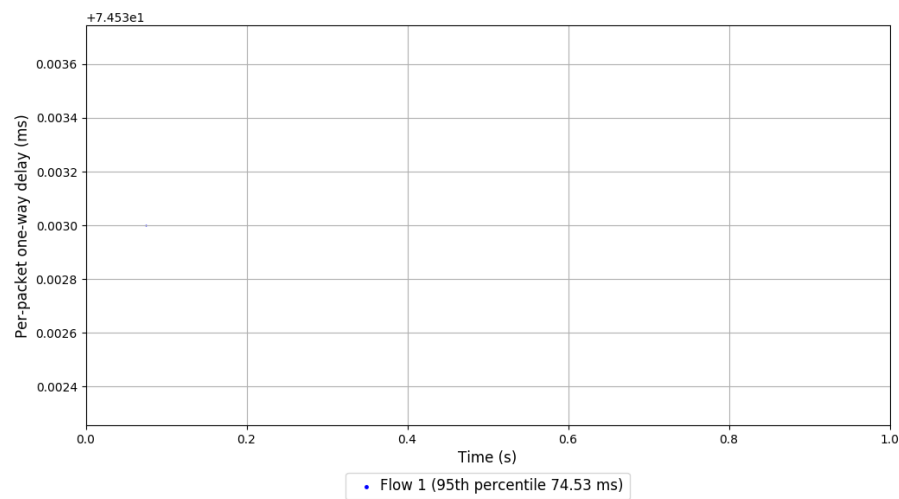
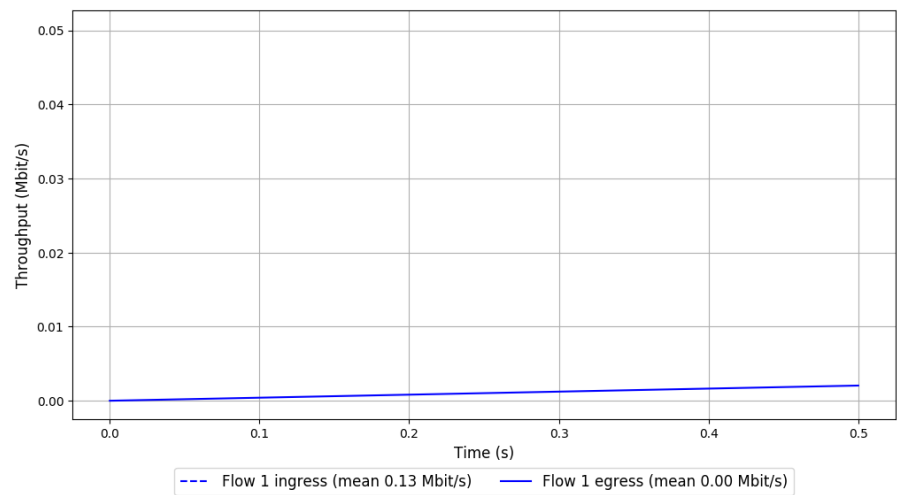
Start at: 2019-03-18 19:24:28

End at: 2019-03-18 19:24:58

Local clock offset: 0.859 ms

Remote clock offset: -27.974 ms

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



Run 2: Statistics of TaoVA-100x

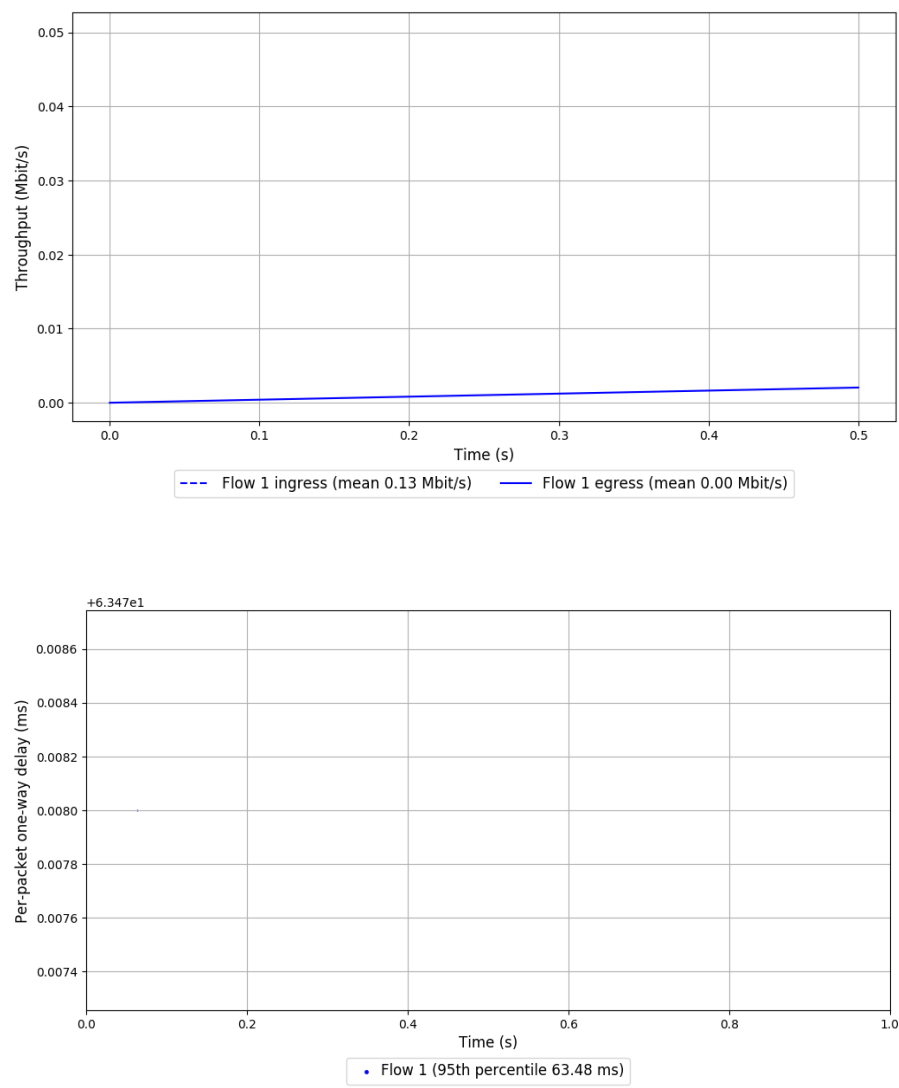
Start at: 2019-03-18 20:03:19

End at: 2019-03-18 20:03:49

Local clock offset: 0.707 ms

Remote clock offset: -34.444 ms

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



Run 3: Statistics of TaoVA-100x

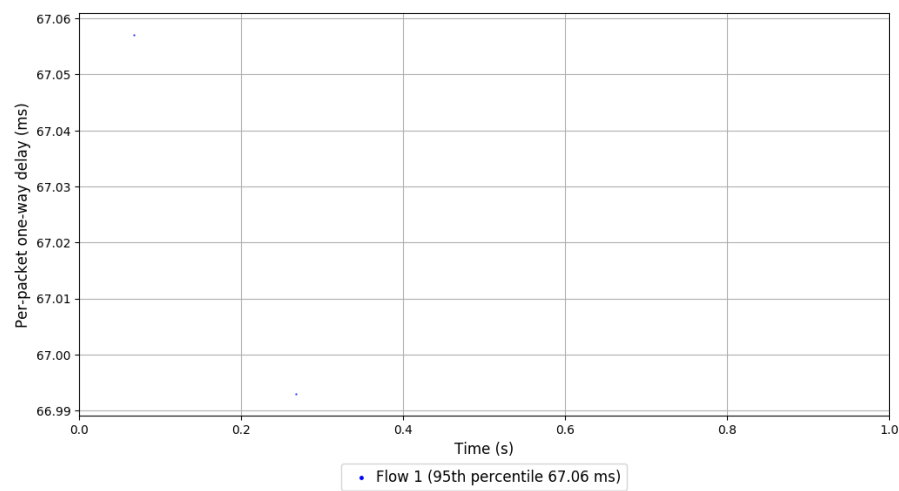
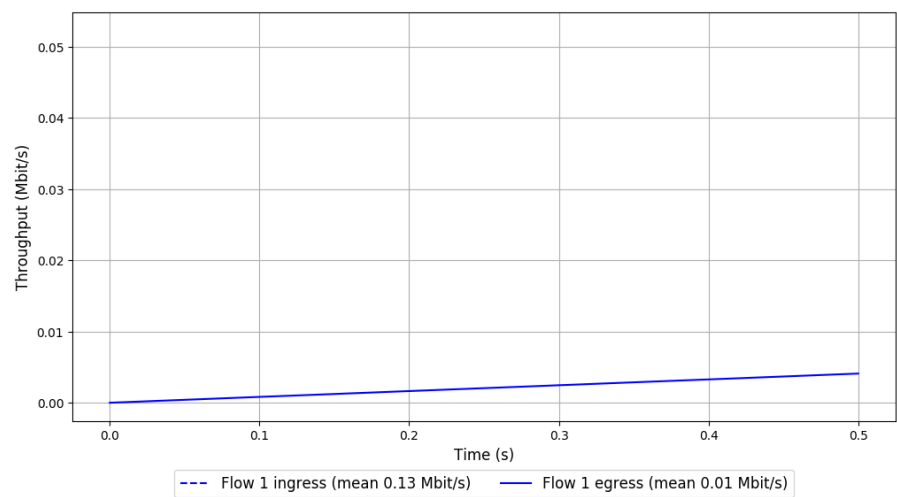
Start at: 2019-03-18 20:36:15

End at: 2019-03-18 20:36:45

Local clock offset: 0.165 ms

Remote clock offset: -31.208 ms

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

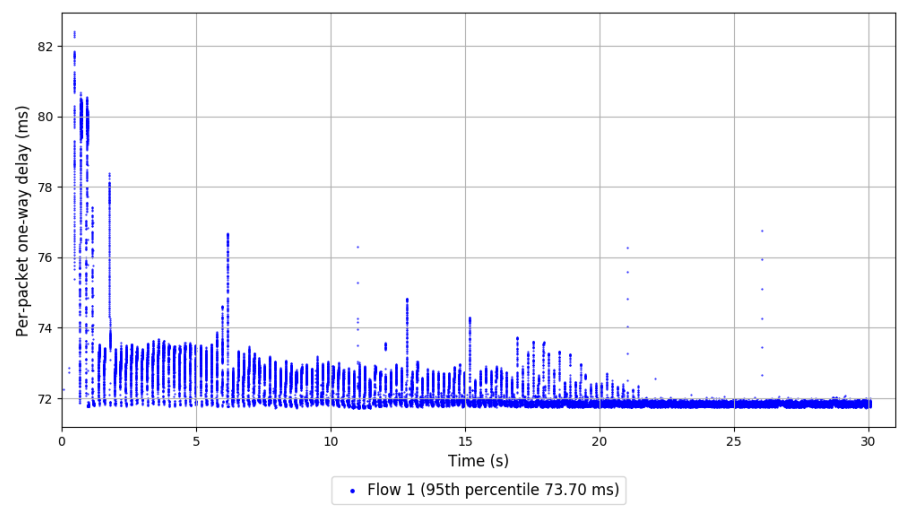
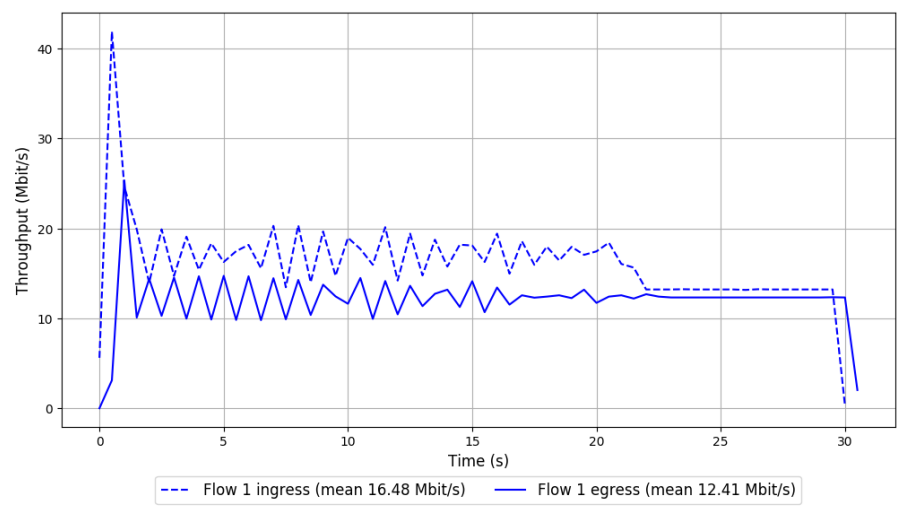


Run 4: Statistics of TaoVA-100x

Start at: 2019-03-18 21:09:16  
End at: 2019-03-18 21:09:46  
Local clock offset: -0.087 ms  
Remote clock offset: -23.891 ms

# Below is generated by plot.py at 2019-03-18 22:34:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.41 Mbit/s  
95th percentile per-packet one-way delay: 73.698 ms  
Loss rate: 24.67%  
-- Flow 1:  
Average throughput: 12.41 Mbit/s  
95th percentile per-packet one-way delay: 73.698 ms  
Loss rate: 24.67%

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





Run 5: Statistics of TaoVA-100x

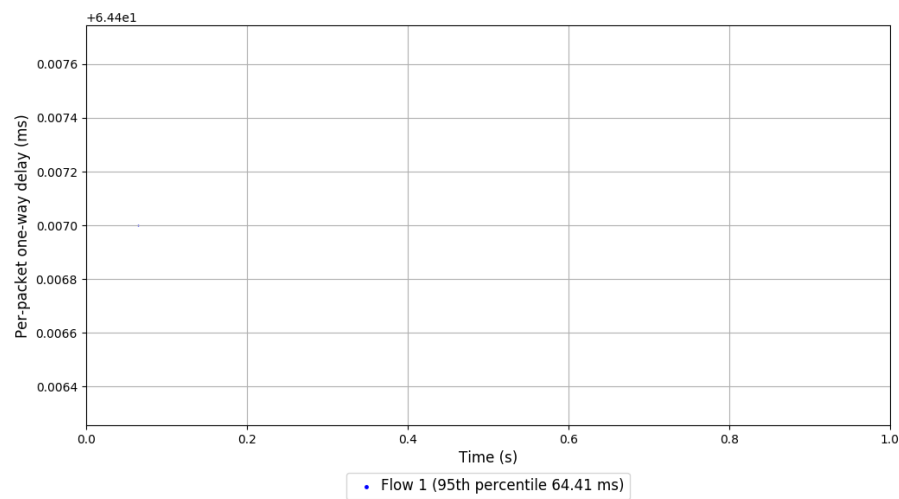
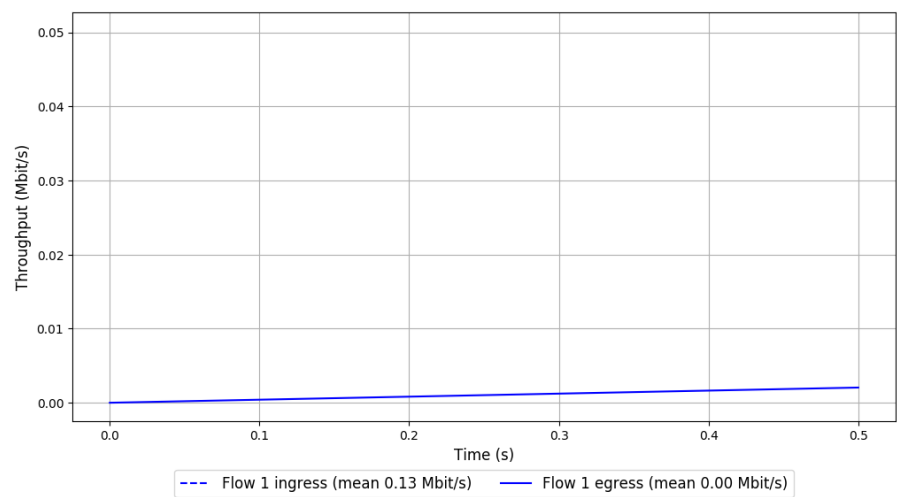
Start at: 2019-03-18 21:36:48

End at: 2019-03-18 21:37:18

Local clock offset: -0.06 ms

Remote clock offset: -29.04 ms

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

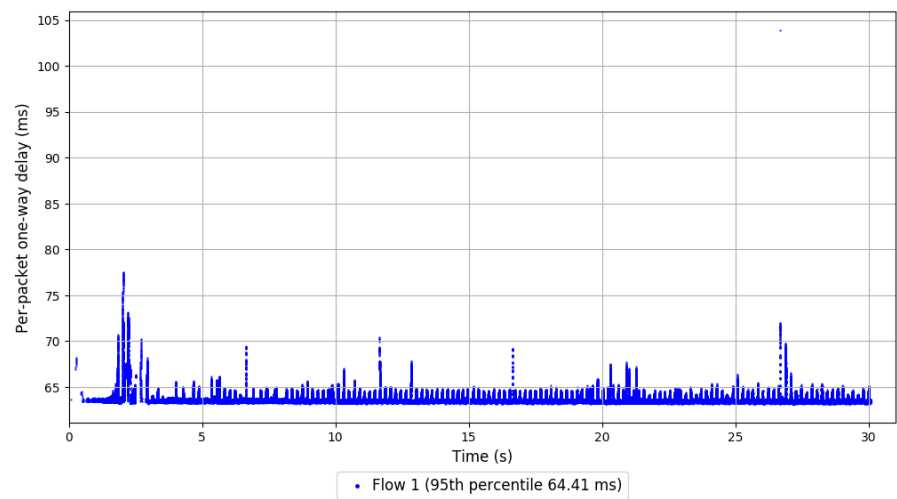
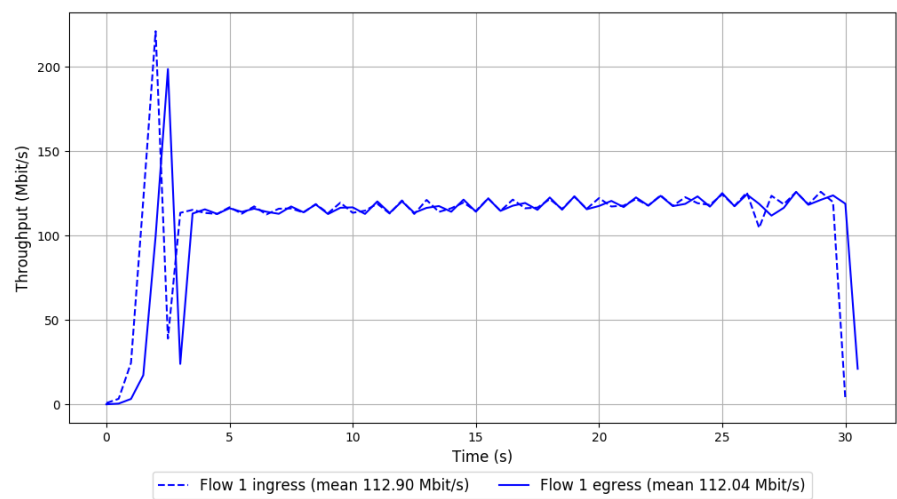


Run 1: Statistics of TCP Vegas

Start at: 2019-03-18 19:29:33  
End at: 2019-03-18 19:30:03  
Local clock offset: 1.2 ms  
Remote clock offset: -35.122 ms

# Below is generated by plot.py at 2019-03-18 22:34:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 112.04 Mbit/s  
95th percentile per-packet one-way delay: 64.405 ms  
Loss rate: 0.76%  
-- Flow 1:  
Average throughput: 112.04 Mbit/s  
95th percentile per-packet one-way delay: 64.405 ms  
Loss rate: 0.76%

Run 1: Report of TCP Vegas — Data Link

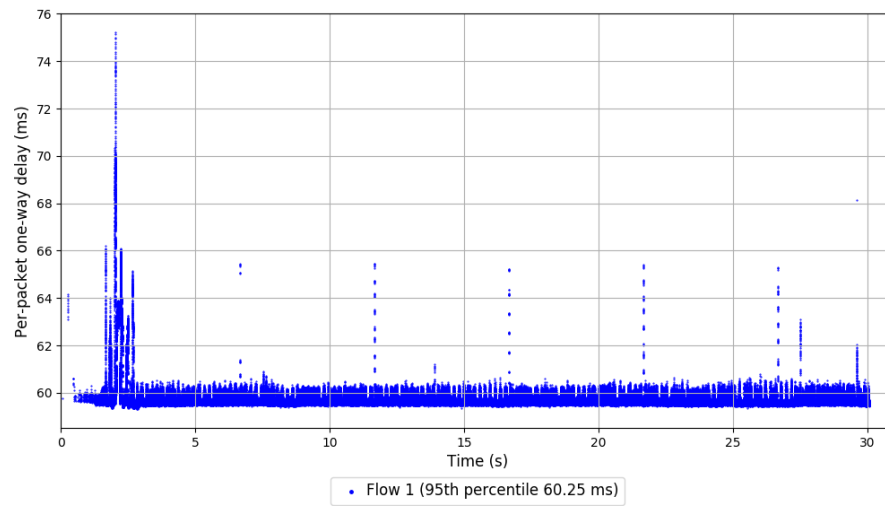
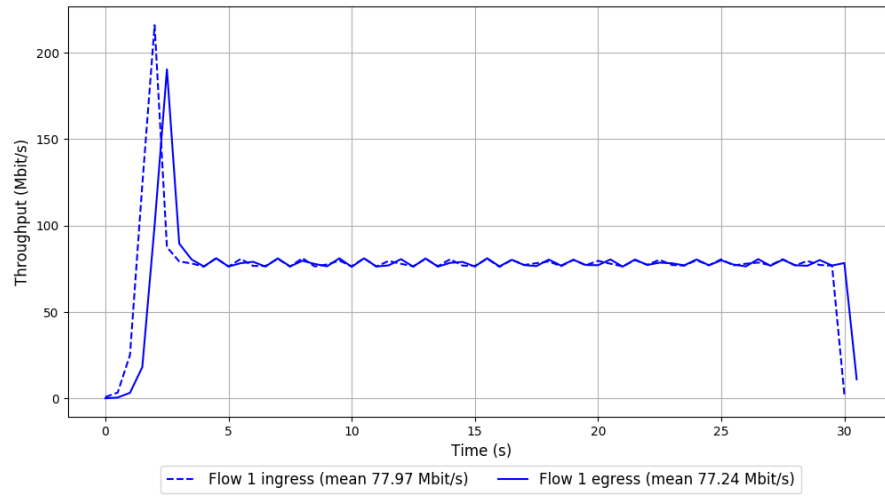


Run 2: Statistics of TCP Vegas

Start at: 2019-03-18 20:08:16  
End at: 2019-03-18 20:08:46  
Local clock offset: -1.254 ms  
Remote clock offset: -39.646 ms

# Below is generated by plot.py at 2019-03-18 22:34:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 77.24 Mbit/s  
95th percentile per-packet one-way delay: 60.248 ms  
Loss rate: 0.94%  
-- Flow 1:  
Average throughput: 77.24 Mbit/s  
95th percentile per-packet one-way delay: 60.248 ms  
Loss rate: 0.94%

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

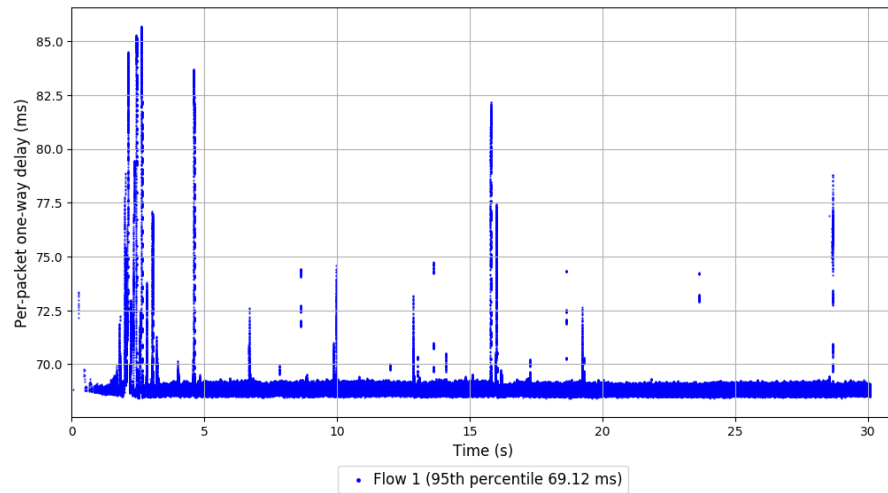
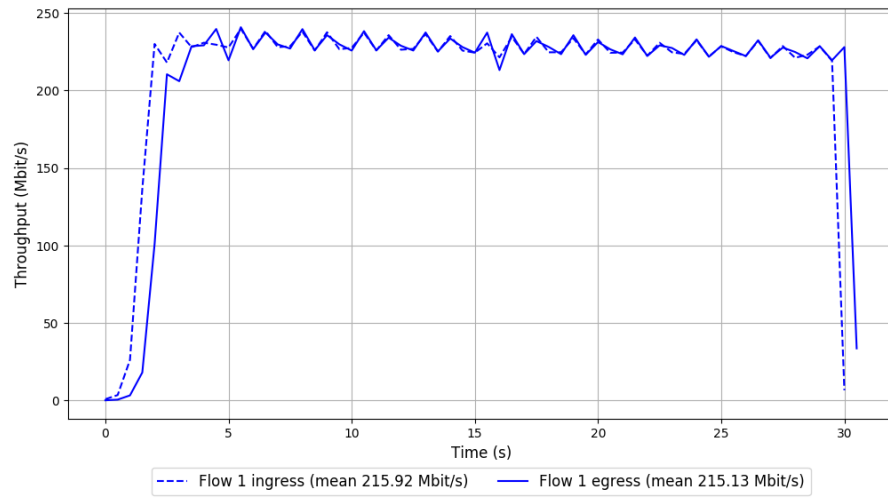


Run 3: Statistics of TCP Vegas

Start at: 2019-03-18 20:41:11  
End at: 2019-03-18 20:41:41  
Local clock offset: 2.172 ms  
Remote clock offset: -27.127 ms

# Below is generated by plot.py at 2019-03-18 22:34:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 215.13 Mbit/s  
95th percentile per-packet one-way delay: 69.117 ms  
Loss rate: 0.37%  
-- Flow 1:  
Average throughput: 215.13 Mbit/s  
95th percentile per-packet one-way delay: 69.117 ms  
Loss rate: 0.37%

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



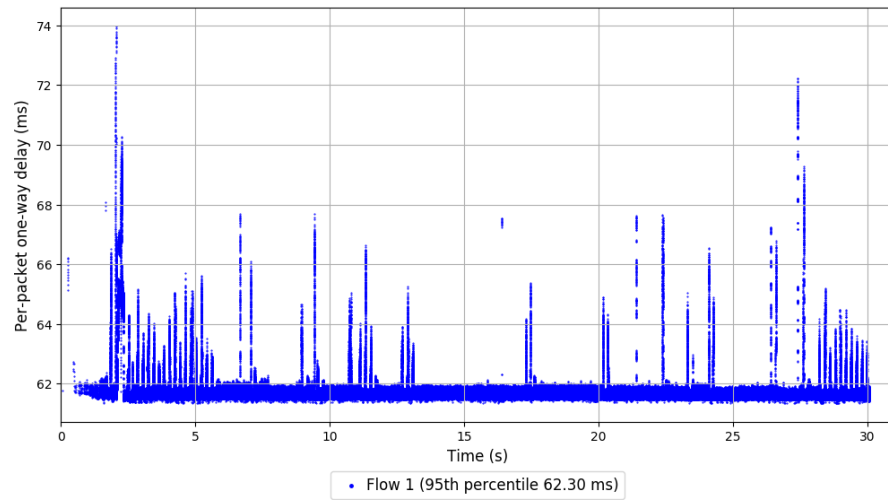
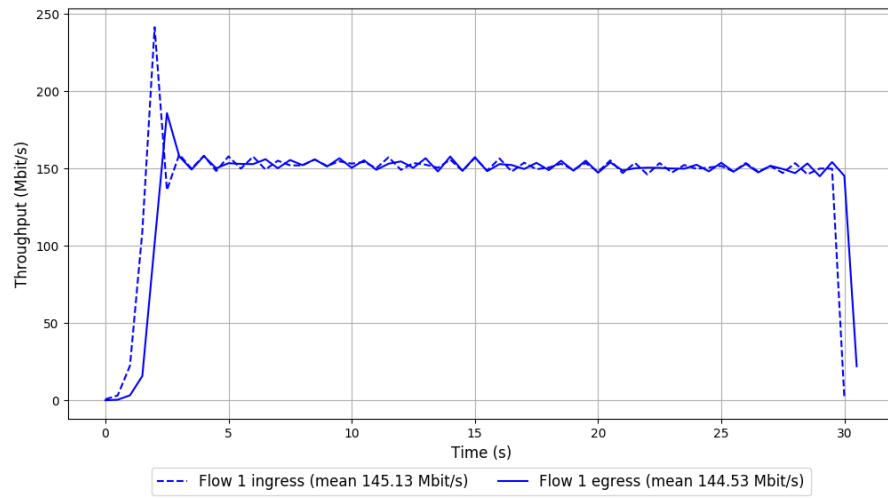


Run 4: Statistics of TCP Vegas

Start at: 2019-03-18 21:14:16  
End at: 2019-03-18 21:14:46  
Local clock offset: 2.686 ms  
Remote clock offset: -33.941 ms

# Below is generated by plot.py at 2019-03-18 22:34:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 144.53 Mbit/s  
95th percentile per-packet one-way delay: 62.297 ms  
Loss rate: 0.42%  
-- Flow 1:  
Average throughput: 144.53 Mbit/s  
95th percentile per-packet one-way delay: 62.297 ms  
Loss rate: 0.42%

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

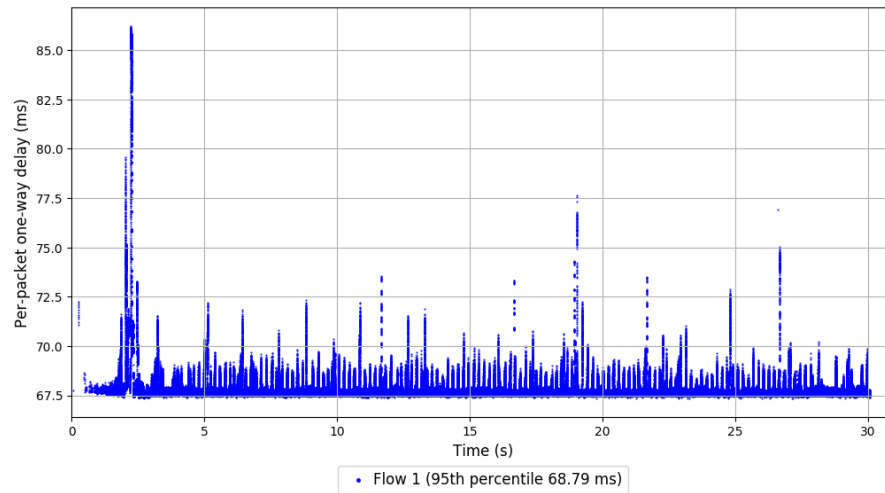
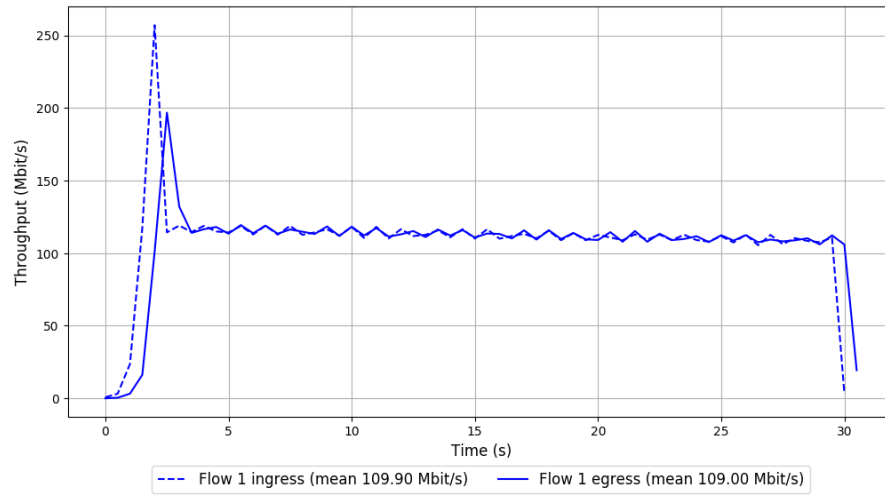


Run 5: Statistics of TCP Vegas

Start at: 2019-03-18 21:41:46  
End at: 2019-03-18 21:42:16  
Local clock offset: -0.985 ms  
Remote clock offset: -28.651 ms

# Below is generated by plot.py at 2019-03-18 22:34:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 109.00 Mbit/s  
95th percentile per-packet one-way delay: 68.794 ms  
Loss rate: 0.83%  
-- Flow 1:  
Average throughput: 109.00 Mbit/s  
95th percentile per-packet one-way delay: 68.794 ms  
Loss rate: 0.83%

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

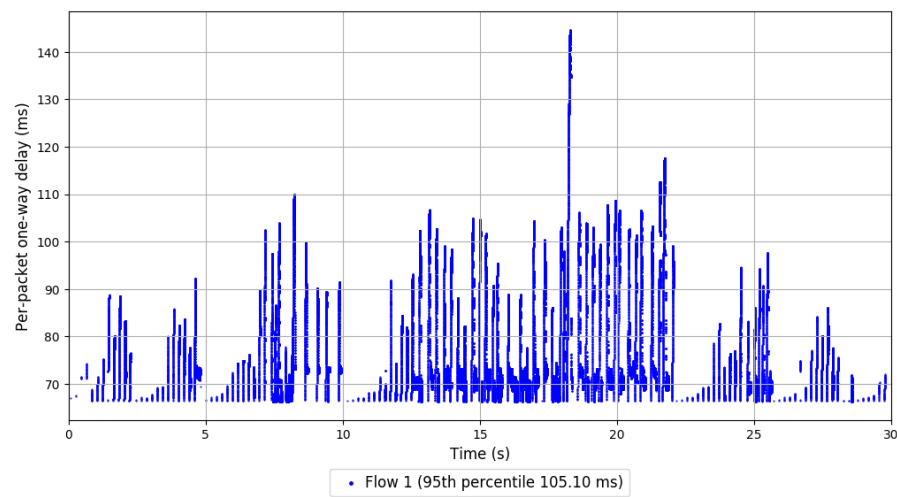
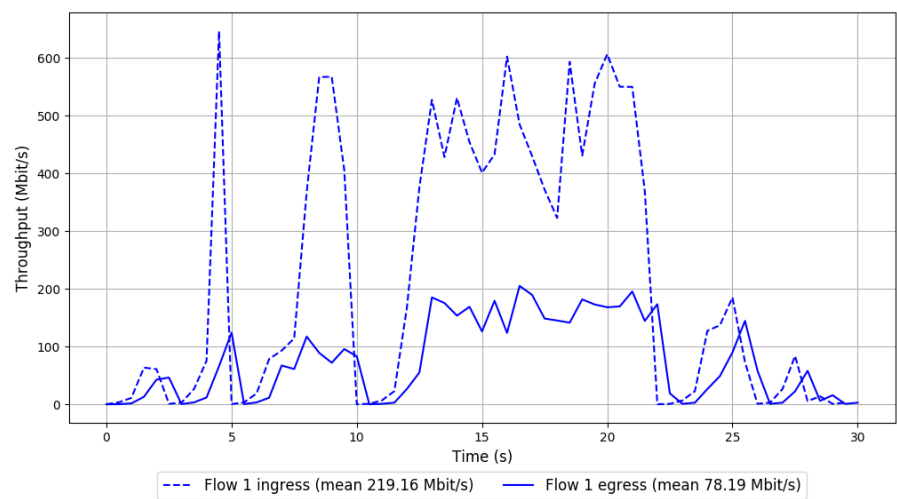


Run 1: Statistics of Verus

Start at: 2019-03-18 20:00:51  
End at: 2019-03-18 20:01:21  
Local clock offset: -1.311 ms  
Remote clock offset: -32.908 ms

# Below is generated by plot.py at 2019-03-18 22:34:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 78.19 Mbit/s  
95th percentile per-packet one-way delay: 105.101 ms  
Loss rate: 64.32%  
-- Flow 1:  
Average throughput: 78.19 Mbit/s  
95th percentile per-packet one-way delay: 105.101 ms  
Loss rate: 64.32%

Run 1: Report of Verus — Data Link

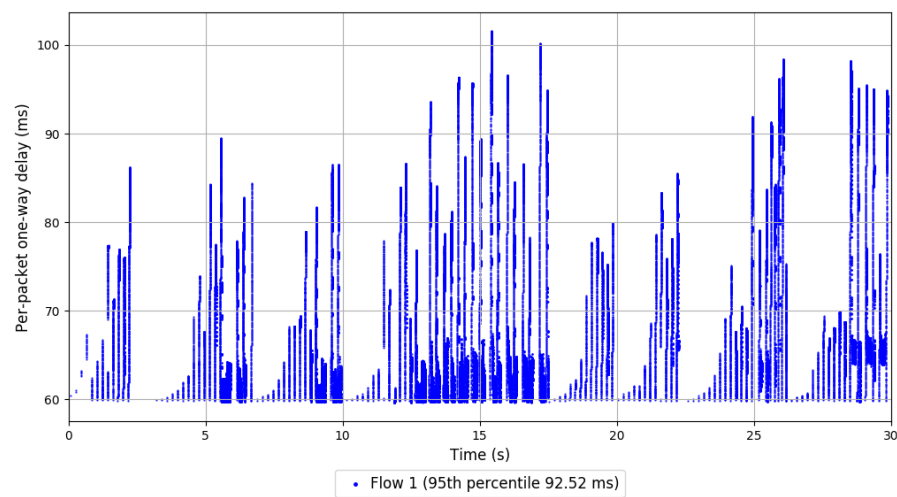
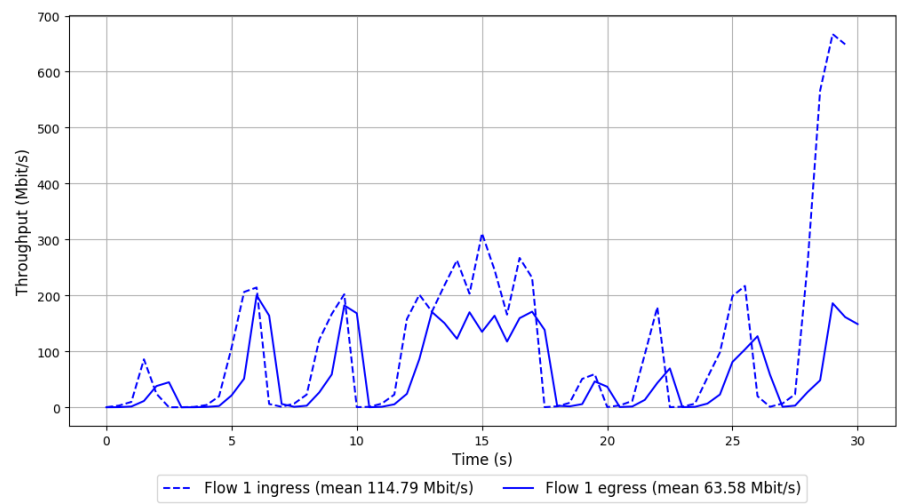


Run 2: Statistics of Verus

Start at: 2019-03-18 20:33:47  
End at: 2019-03-18 20:34:17  
Local clock offset: 0.713 ms  
Remote clock offset: -37.619 ms

# Below is generated by plot.py at 2019-03-18 22:34:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 63.58 Mbit/s  
95th percentile per-packet one-way delay: 92.516 ms  
Loss rate: 44.56%  
-- Flow 1:  
Average throughput: 63.58 Mbit/s  
95th percentile per-packet one-way delay: 92.516 ms  
Loss rate: 44.56%

Run 2: Report of Verus — Data Link



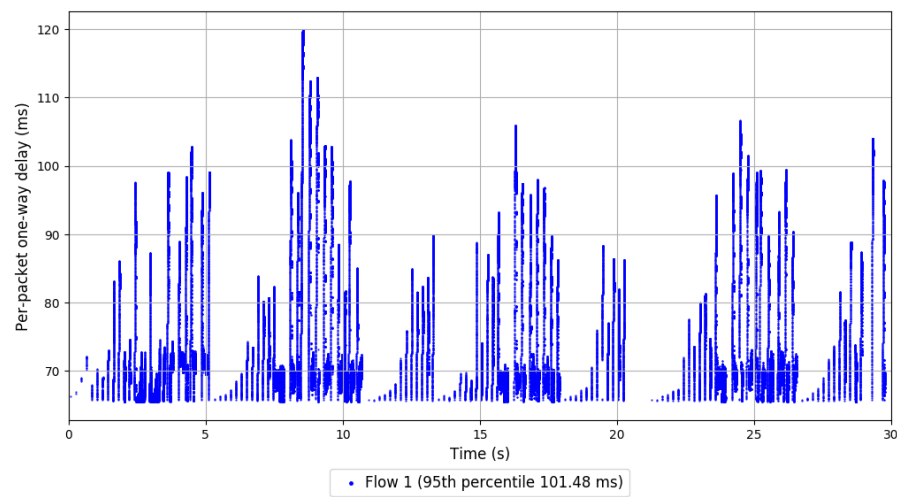
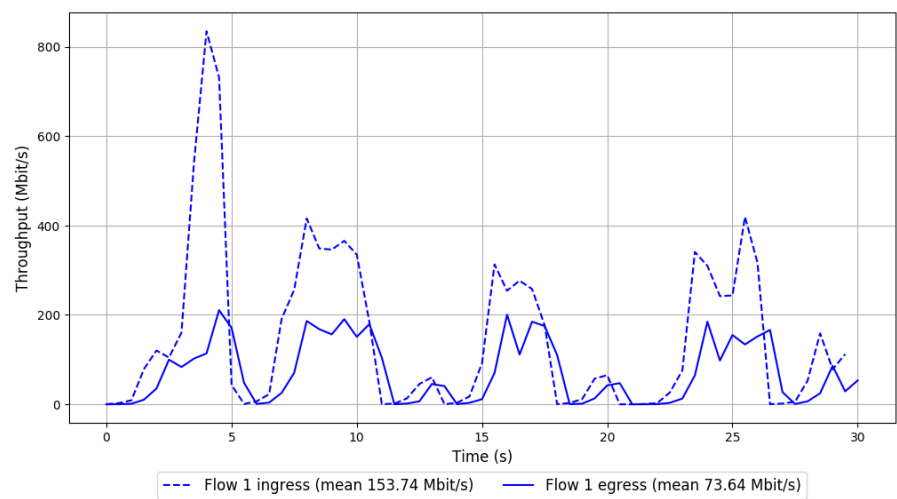


Run 3: Statistics of Verus

Start at: 2019-03-18 21:06:49  
End at: 2019-03-18 21:07:19  
Local clock offset: 0.205 ms  
Remote clock offset: -30.11 ms

# Below is generated by plot.py at 2019-03-18 22:34:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 73.64 Mbit/s  
95th percentile per-packet one-way delay: 101.478 ms  
Loss rate: 52.09%  
-- Flow 1:  
Average throughput: 73.64 Mbit/s  
95th percentile per-packet one-way delay: 101.478 ms  
Loss rate: 52.09%

Run 3: Report of Verus — Data Link

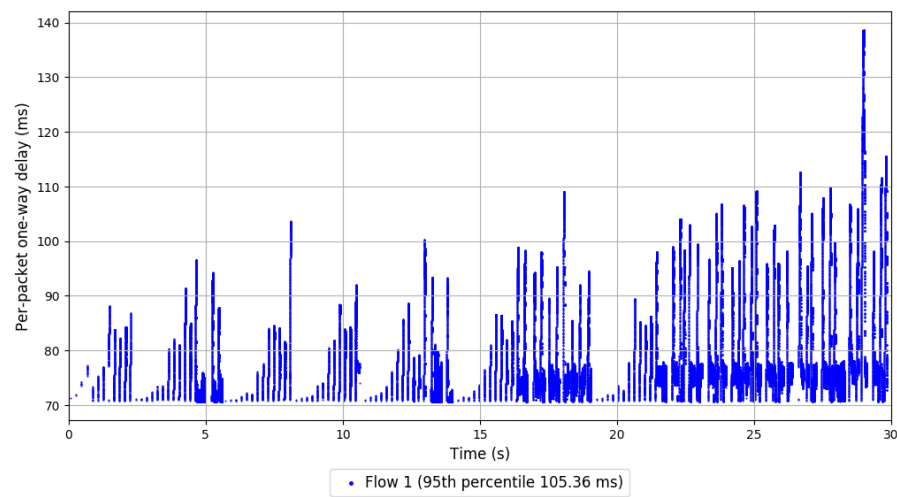
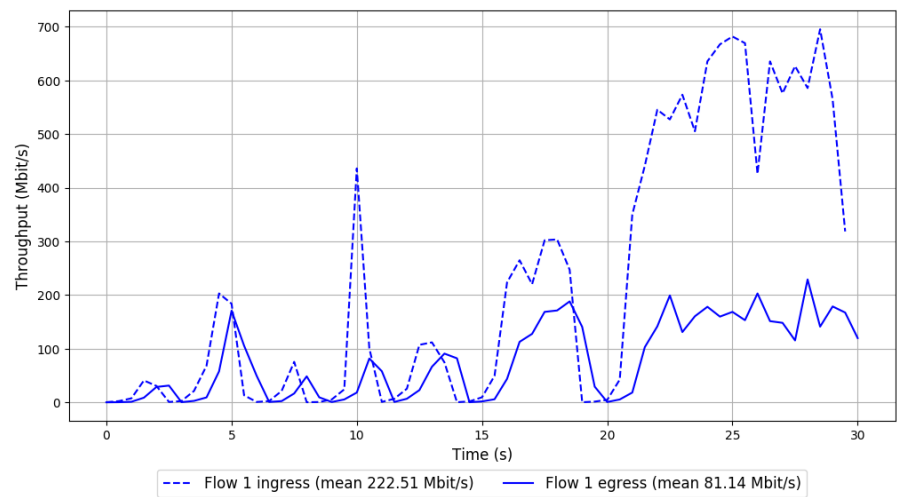


Run 4: Statistics of Verus

Start at: 2019-03-18 21:34:19  
End at: 2019-03-18 21:34:49  
Local clock offset: 0.273 ms  
Remote clock offset: -24.475 ms

# Below is generated by plot.py at 2019-03-18 22:34:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 81.14 Mbit/s  
95th percentile per-packet one-way delay: 105.362 ms  
Loss rate: 63.53%  
-- Flow 1:  
Average throughput: 81.14 Mbit/s  
95th percentile per-packet one-way delay: 105.362 ms  
Loss rate: 63.53%

Run 4: Report of Verus — Data Link

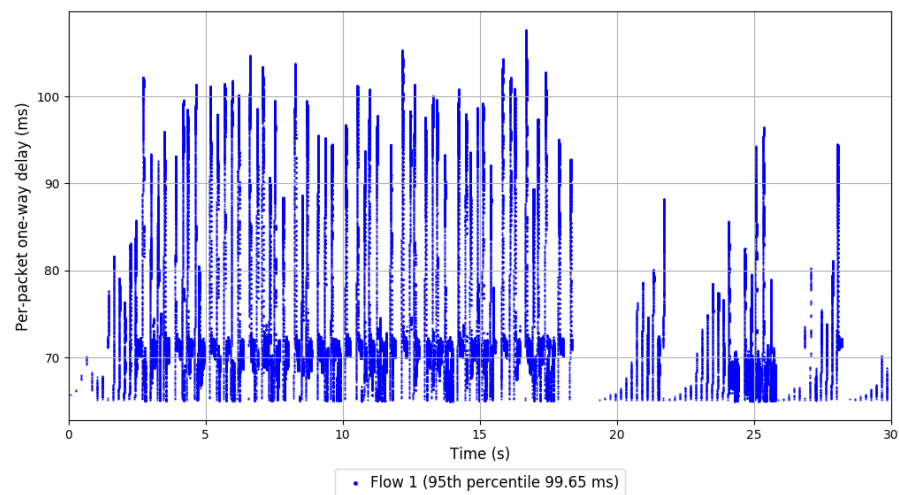
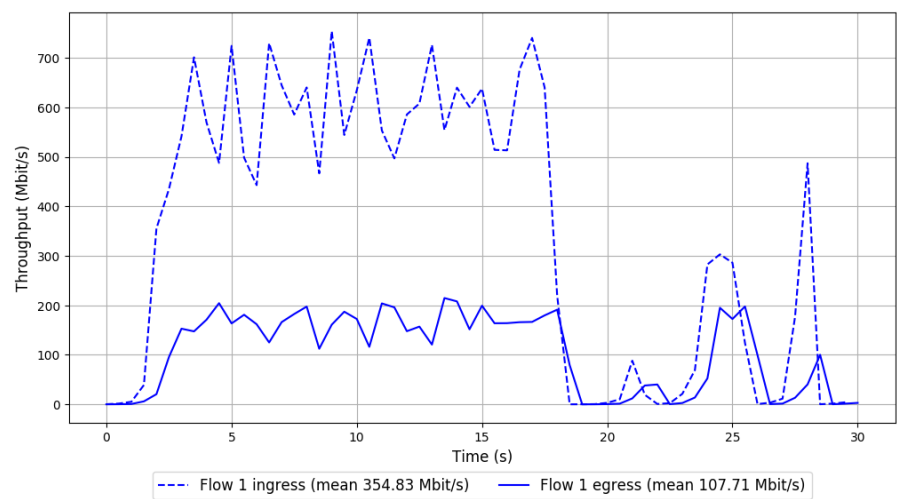


Run 5: Statistics of Verus

Start at: 2019-03-18 22:01:44  
End at: 2019-03-18 22:02:14  
Local clock offset: 0.532 ms  
Remote clock offset: -27.815 ms

# Below is generated by plot.py at 2019-03-18 22:35:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 107.71 Mbit/s  
95th percentile per-packet one-way delay: 99.649 ms  
Loss rate: 69.64%  
-- Flow 1:  
Average throughput: 107.71 Mbit/s  
95th percentile per-packet one-way delay: 99.649 ms  
Loss rate: 69.64%

Run 5: Report of Verus — Data Link

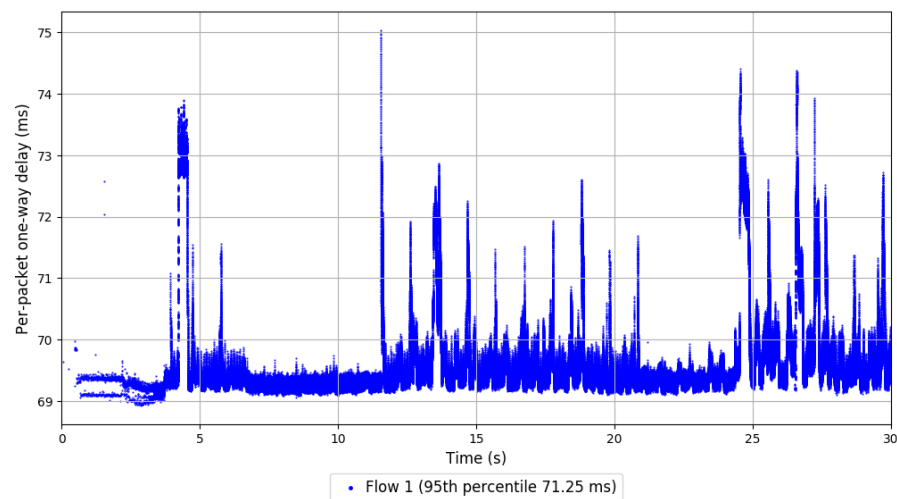
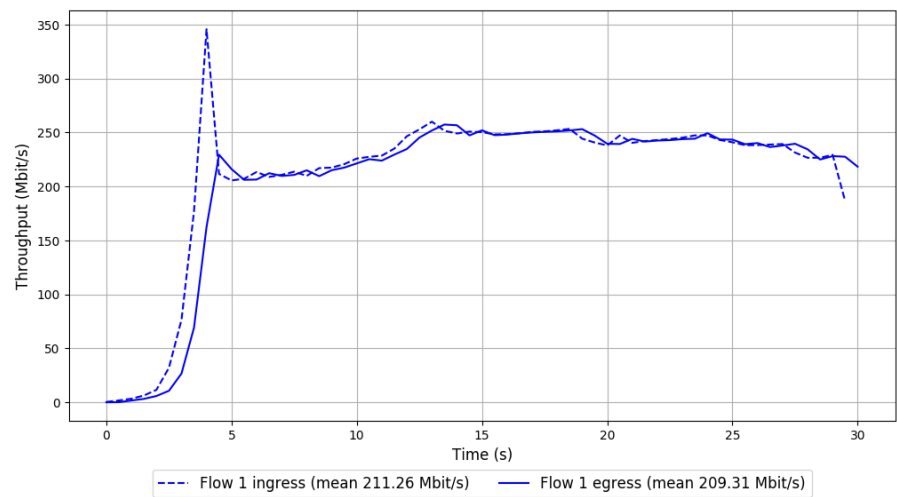


Run 1: Statistics of PCC-Vivace

Start at: 2019-03-18 19:25:38  
End at: 2019-03-18 19:26:08  
Local clock offset: 1.279 ms  
Remote clock offset: -29.758 ms

# Below is generated by plot.py at 2019-03-18 22:35:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 209.31 Mbit/s  
95th percentile per-packet one-way delay: 71.250 ms  
Loss rate: 0.93%  
-- Flow 1:  
Average throughput: 209.31 Mbit/s  
95th percentile per-packet one-way delay: 71.250 ms  
Loss rate: 0.93%

Run 1: Report of PCC-Vivace — Data Link



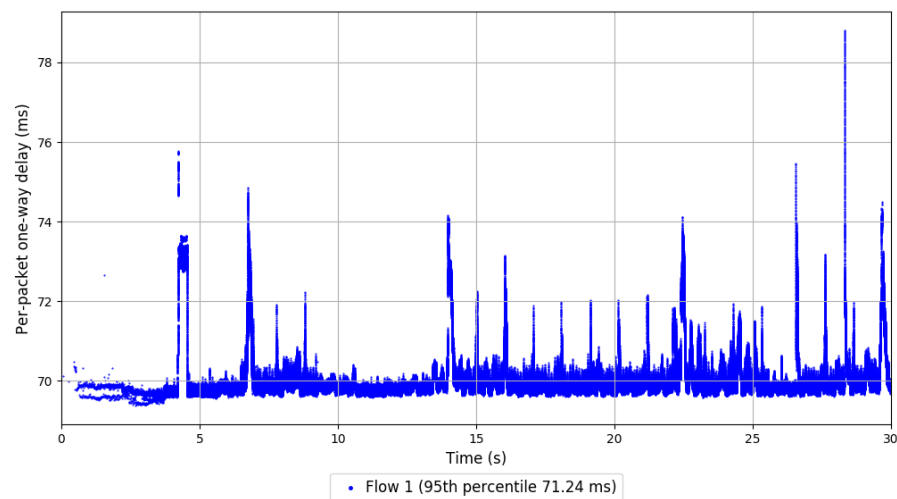
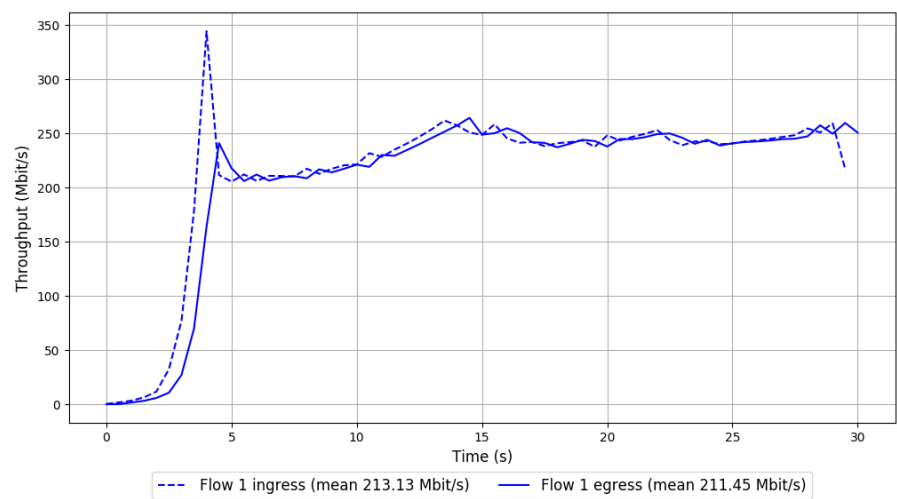


Run 2: Statistics of PCC-Vivace

Start at: 2019-03-18 20:04:28  
End at: 2019-03-18 20:04:59  
Local clock offset: -4.588 ms  
Remote clock offset: -32.819 ms

# Below is generated by plot.py at 2019-03-18 22:35:48  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 211.45 Mbit/s  
95th percentile per-packet one-way delay: 71.239 ms  
Loss rate: 0.79%  
-- Flow 1:  
Average throughput: 211.45 Mbit/s  
95th percentile per-packet one-way delay: 71.239 ms  
Loss rate: 0.79%

Run 2: Report of PCC-Vivace — Data Link

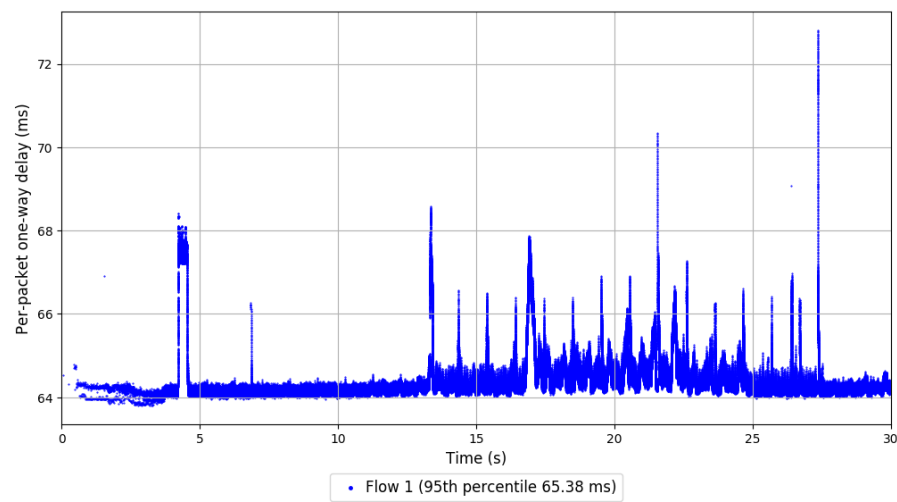
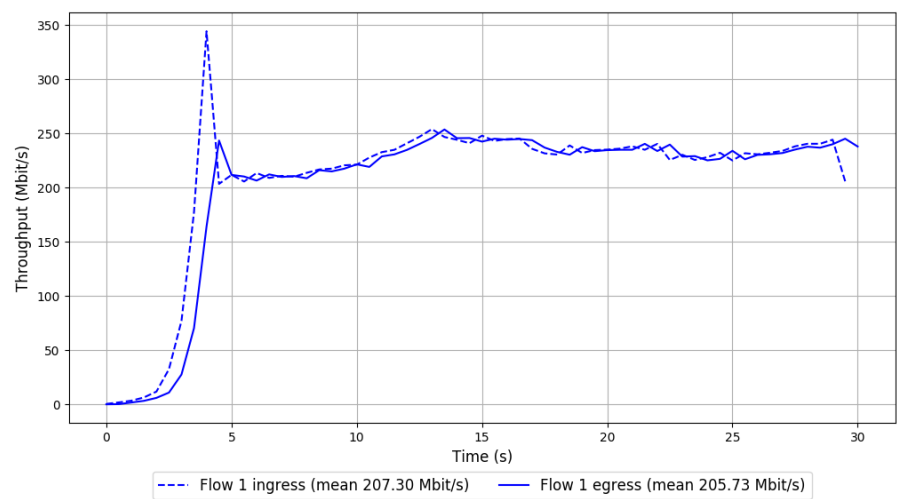


Run 3: Statistics of PCC-Vivace

Start at: 2019-03-18 20:37:24  
End at: 2019-03-18 20:37:54  
Local clock offset: 2.745 ms  
Remote clock offset: -30.922 ms

# Below is generated by plot.py at 2019-03-18 22:35:51  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 205.73 Mbit/s  
95th percentile per-packet one-way delay: 65.382 ms  
Loss rate: 0.76%  
-- Flow 1:  
Average throughput: 205.73 Mbit/s  
95th percentile per-packet one-way delay: 65.382 ms  
Loss rate: 0.76%

Run 3: Report of PCC-Vivace — Data Link

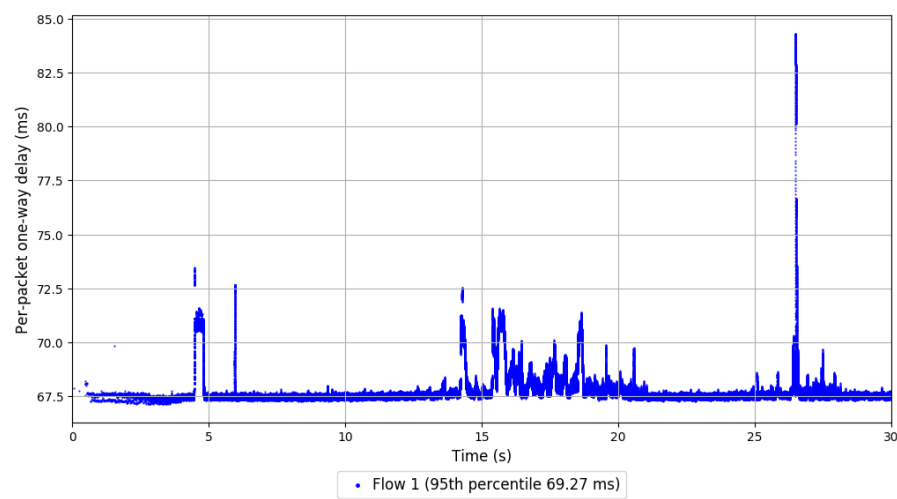
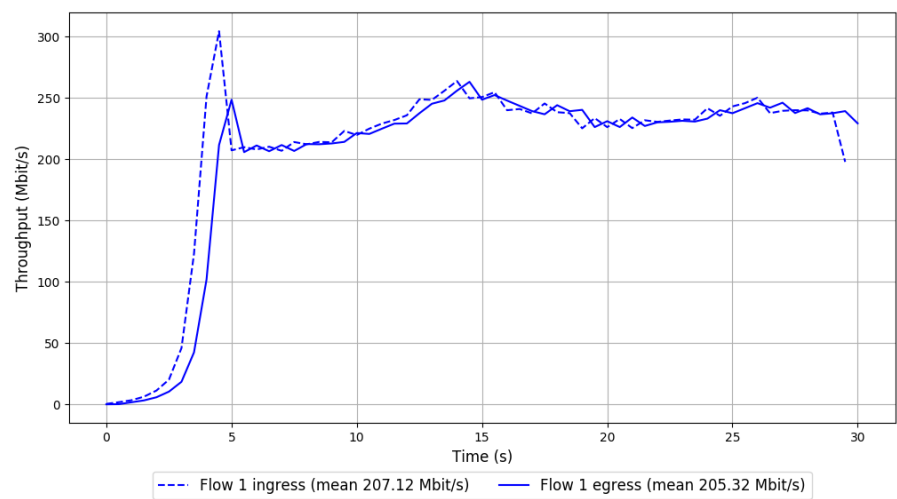


Run 4: Statistics of PCC-Vivace

Start at: 2019-03-18 21:10:28  
End at: 2019-03-18 21:10:58  
Local clock offset: 1.834 ms  
Remote clock offset: -28.723 ms

# Below is generated by plot.py at 2019-03-18 22:35:51  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 205.32 Mbit/s  
95th percentile per-packet one-way delay: 69.268 ms  
Loss rate: 0.88%  
-- Flow 1:  
Average throughput: 205.32 Mbit/s  
95th percentile per-packet one-way delay: 69.268 ms  
Loss rate: 0.88%

Run 4: Report of PCC-Vivace — Data Link

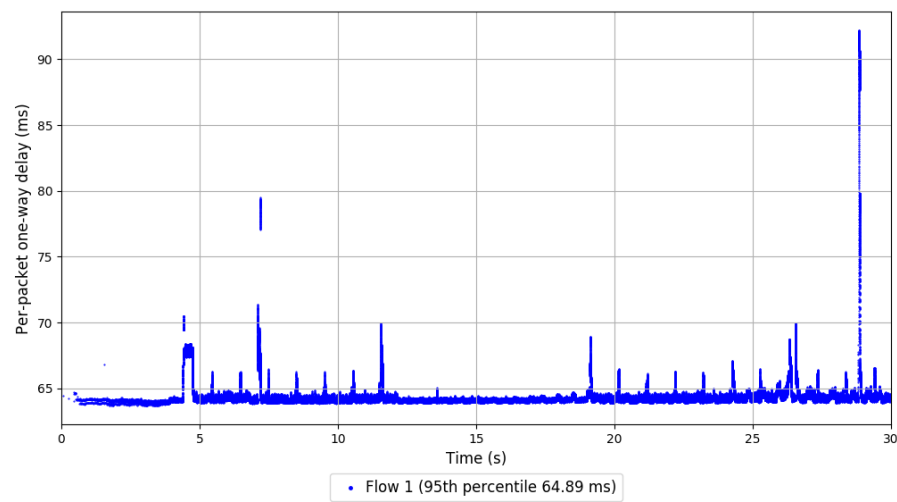
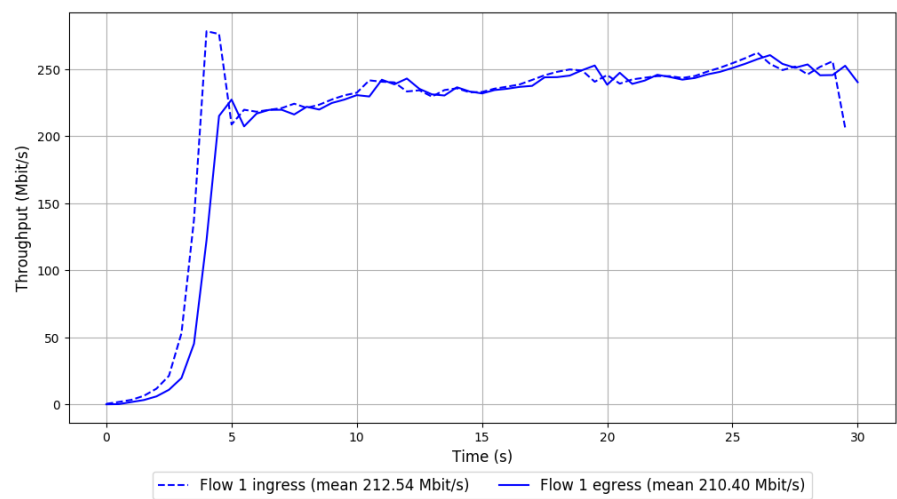


Run 5: Statistics of PCC-Vivace

Start at: 2019-03-18 21:37:58  
End at: 2019-03-18 21:38:28  
Local clock offset: -0.433 ms  
Remote clock offset: -29.266 ms

# Below is generated by plot.py at 2019-03-18 22:35:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 210.40 Mbit/s  
95th percentile per-packet one-way delay: 64.889 ms  
Loss rate: 1.01%  
-- Flow 1:  
Average throughput: 210.40 Mbit/s  
95th percentile per-packet one-way delay: 64.889 ms  
Loss rate: 1.01%

Run 5: Report of PCC-Vivace — Data Link



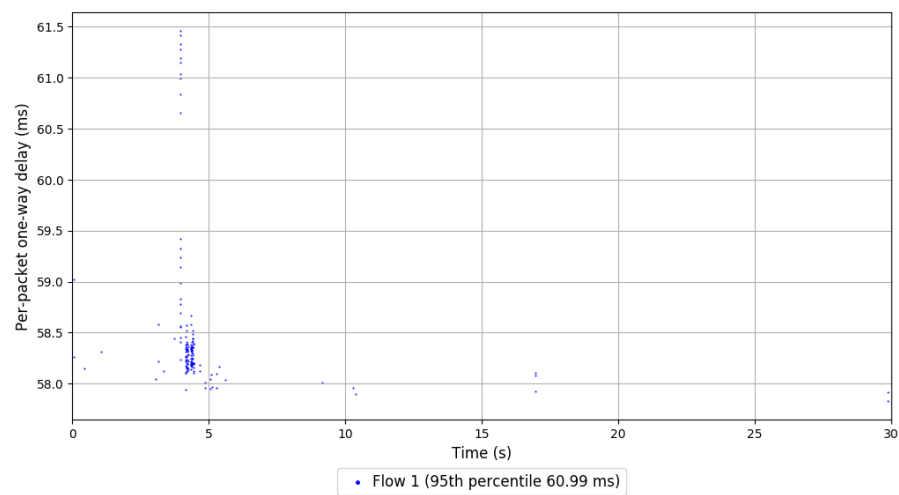
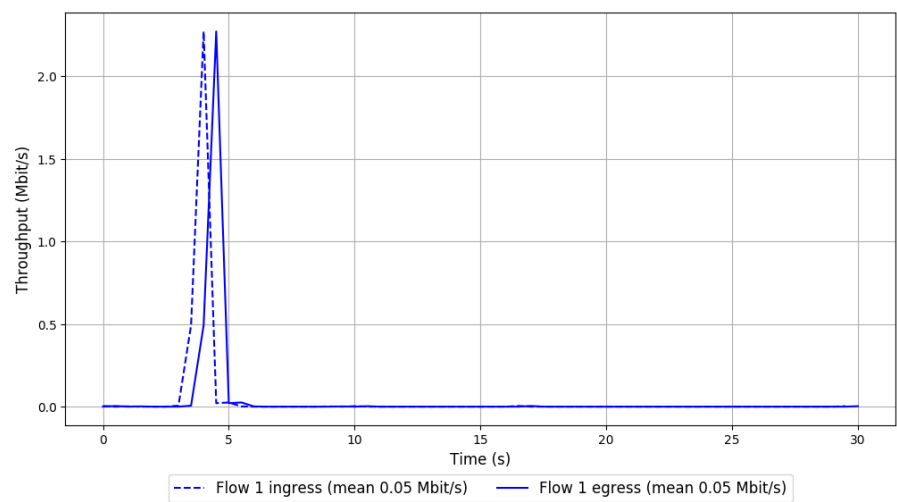


Run 1: Statistics of WebRTC media

Start at: 2019-03-18 19:47:36  
End at: 2019-03-18 19:48:06  
Local clock offset: 0.449 ms  
Remote clock offset: -40.166 ms

# Below is generated by plot.py at 2019-03-18 22:35:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 60.993 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 60.993 ms  
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

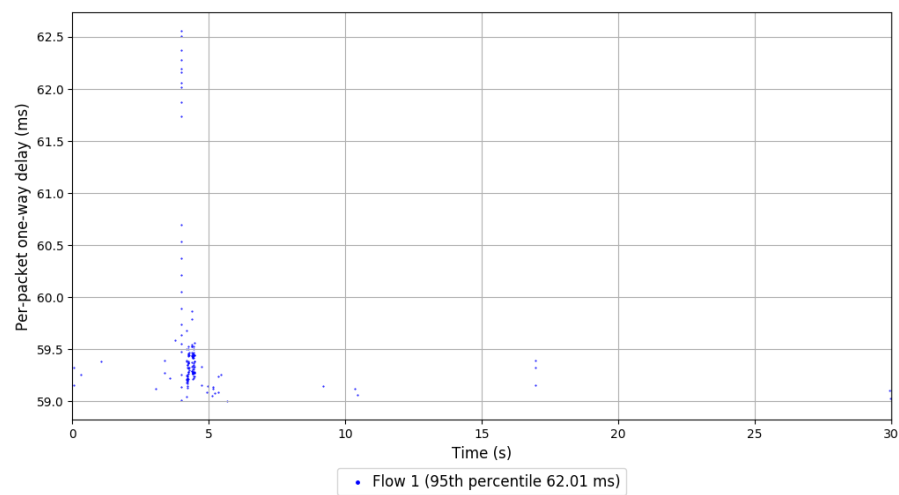
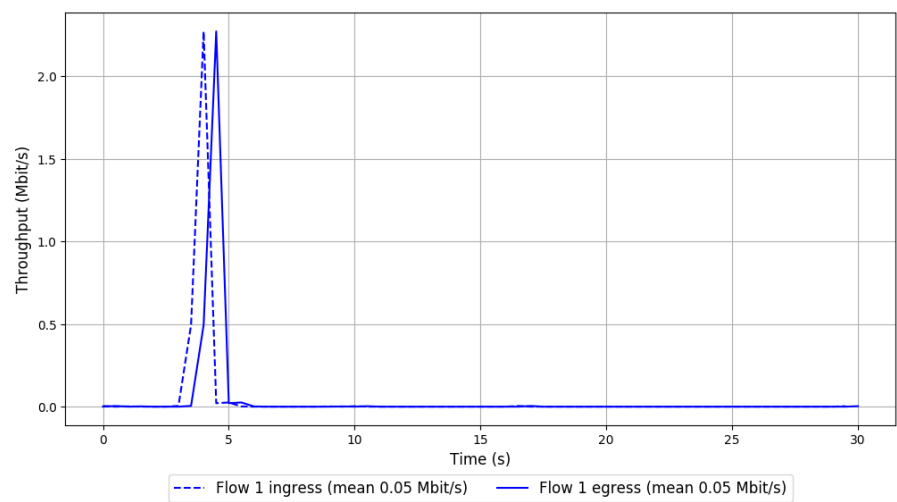


Run 2: Statistics of WebRTC media

Start at: 2019-03-18 20:20:41  
End at: 2019-03-18 20:21:11  
Local clock offset: 1.204 ms  
Remote clock offset: -38.333 ms

# Below is generated by plot.py at 2019-03-18 22:35:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 62.011 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 62.011 ms  
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

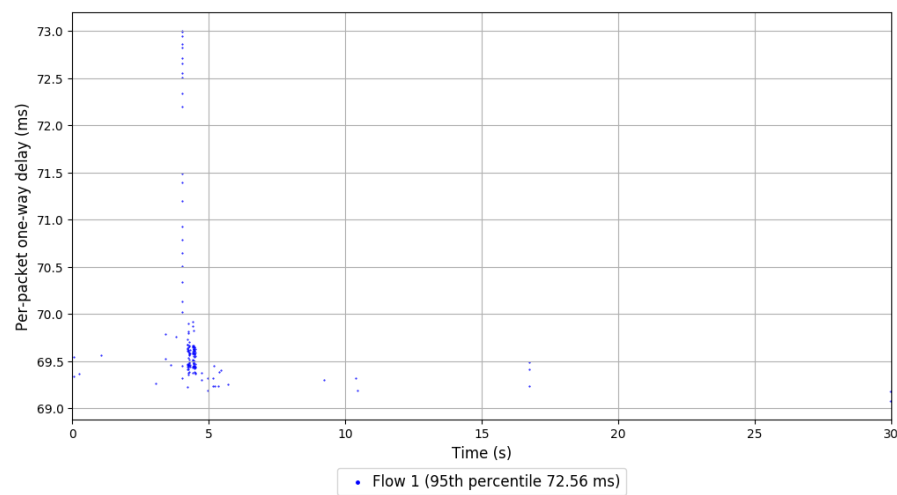
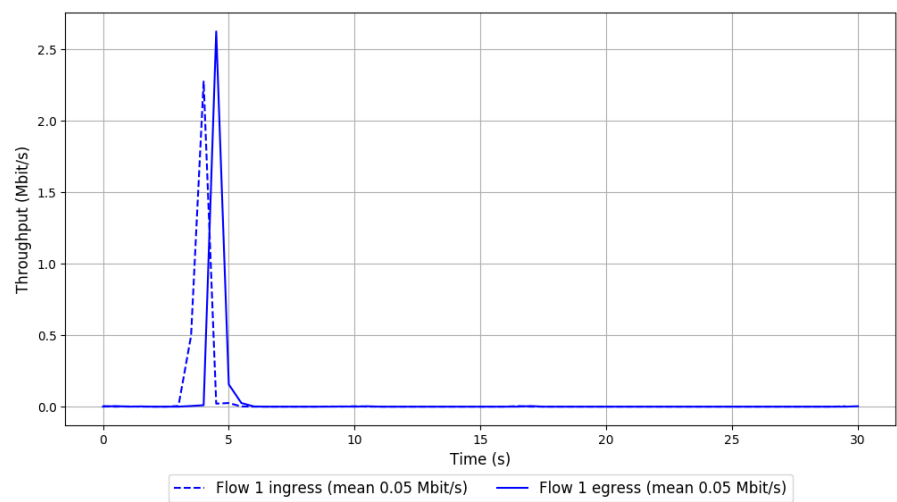


Run 3: Statistics of WebRTC media

Start at: 2019-03-18 20:48:05  
End at: 2019-03-18 20:48:35  
Local clock offset: 1.464 ms  
Remote clock offset: -26.326 ms

# Below is generated by plot.py at 2019-03-18 22:35:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 72.556 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 72.556 ms  
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

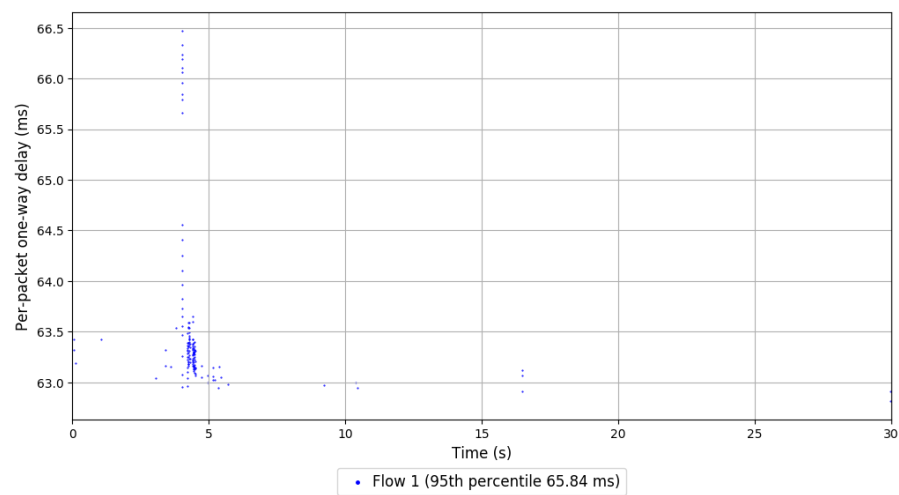
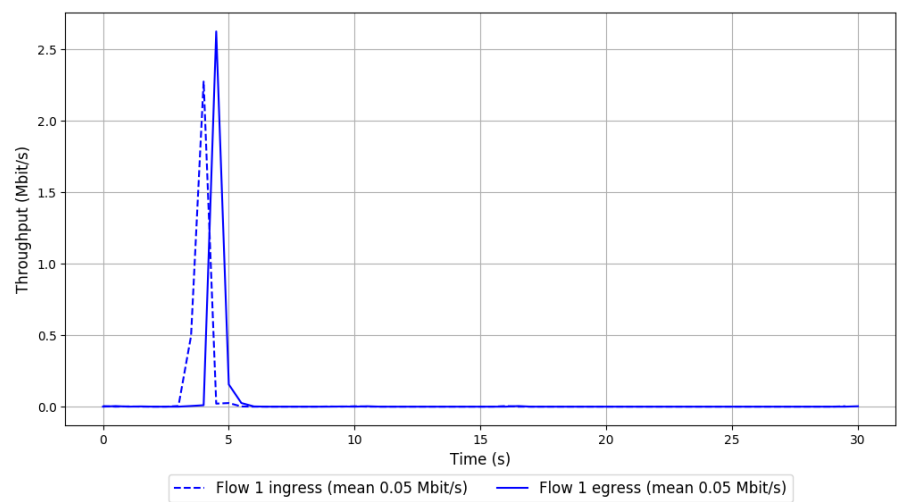


Run 4: Statistics of WebRTC media

Start at: 2019-03-18 21:21:10  
End at: 2019-03-18 21:21:40  
Local clock offset: 1.531 ms  
Remote clock offset: -29.922 ms

# Below is generated by plot.py at 2019-03-18 22:35:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 65.845 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 65.845 ms  
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link





Run 5: Statistics of WebRTC media

Start at: 2019-03-18 21:48:36  
End at: 2019-03-18 21:49:06  
Local clock offset: -1.019 ms  
Remote clock offset: -34.001 ms

# Below is generated by plot.py at 2019-03-18 22:35:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 65.304 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 65.304 ms  
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

