

## Pantheon Report

Generated at 2019-01-21 09:10:52 (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:

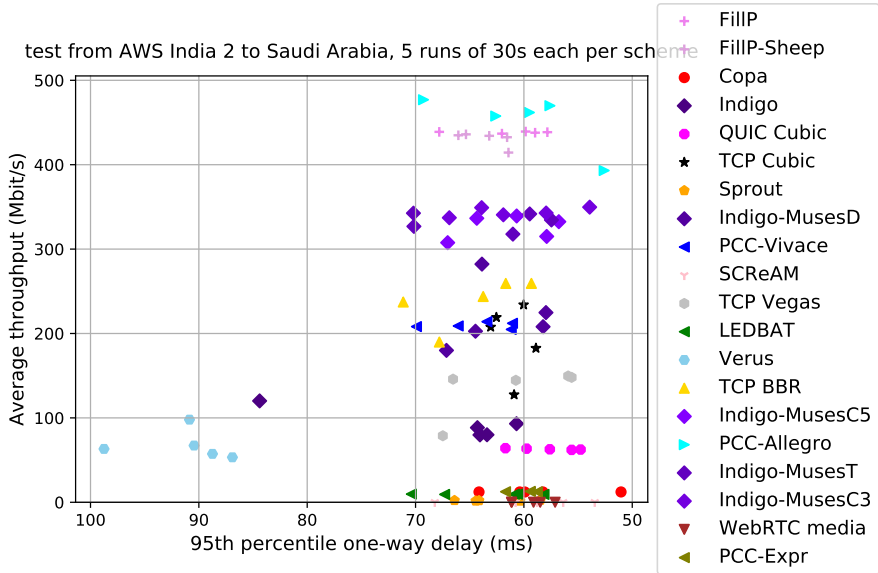
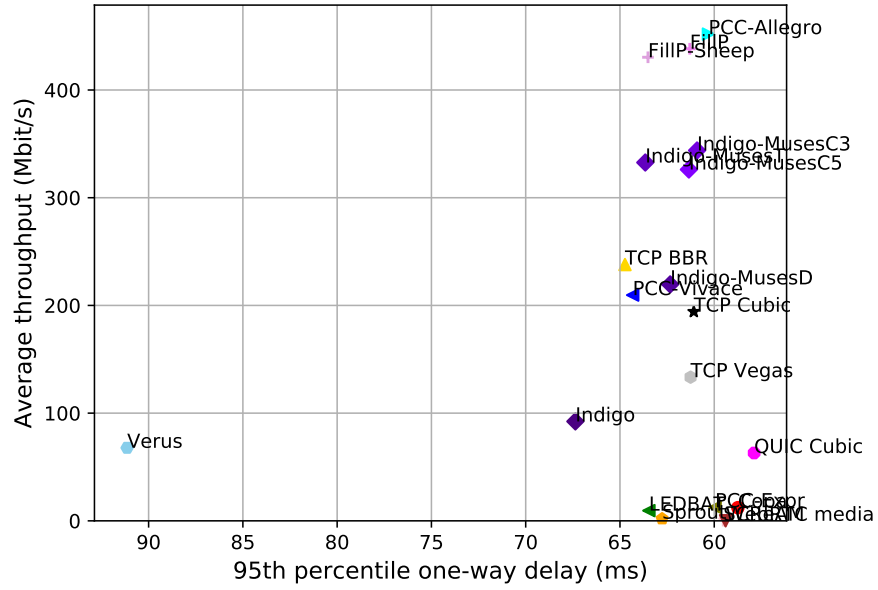
```
Linux 4.15.0-1031-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

### Git summary:

```
branch: muses @ 89d24e57783e7fbfec537a619071de937b639e38
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd9c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 1ddcff131048c6962f123bcd22b4d166a422adde
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)



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	237.95	64.73	5.77
Copa	5	12.22	58.75	59.77
TCP Cubic	5	194.18	61.09	0.70
FillP	5	438.29	61.30	5.53
FillP-Sheep	5	430.39	63.51	4.59
Indigo	5	92.30	67.37	0.20
Indigo-MusesC3	5	343.87	60.91	13.53
Indigo-MusesC5	5	326.17	61.35	26.99
Indigo-MusesD	5	219.53	62.34	14.27
Indigo-MusesT	5	332.68	63.66	10.79
LEDBAT	5	9.50	63.47	0.00
PCC-Allegro	5	451.89	60.31	2.92
PCC-Expr	3	12.64	59.96	29.57
QUIC Cubic	5	63.00	57.89	0.00
SCReAM	5	0.22	59.52	0.00
Sprout	5	2.00	62.76	0.00
TaoVA-100x	0	N/A	N/A	N/A
TCP Vegas	5	133.38	61.26	0.46
Verus	5	67.81	91.14	54.06
PCC-Vivace	5	209.60	64.33	0.87
WebRTC media	5	0.05	59.40	0.00

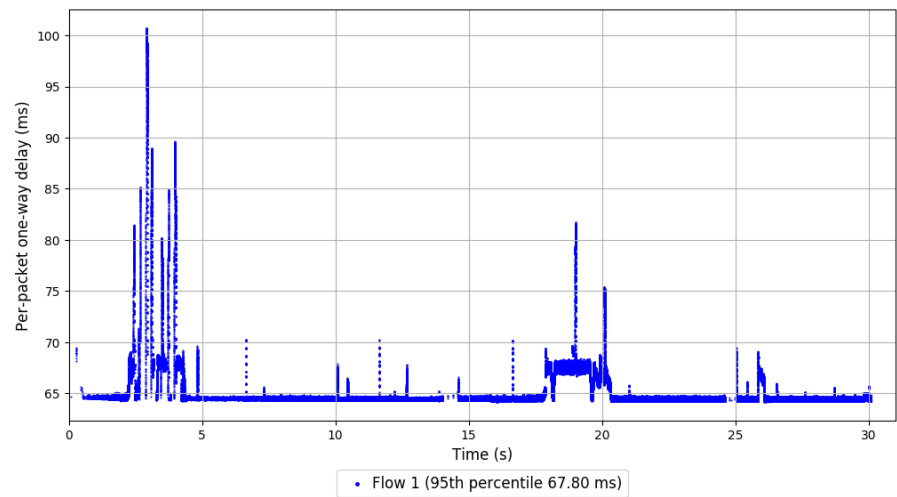
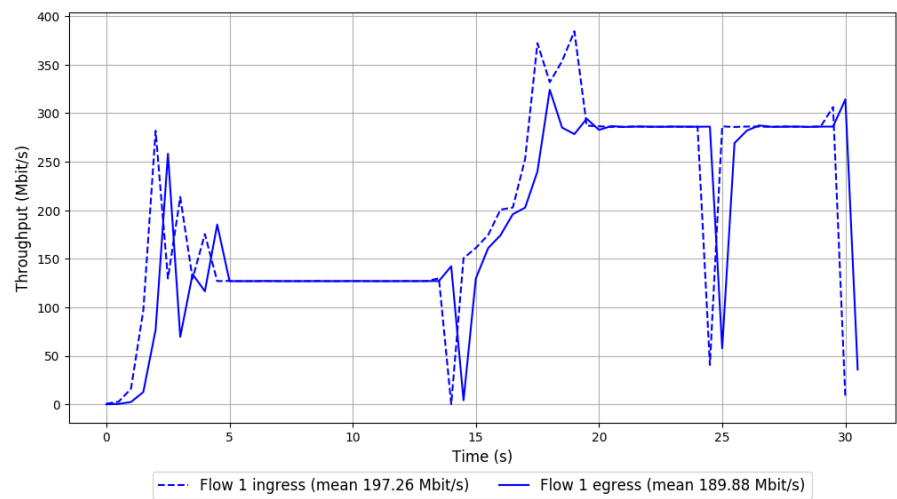


Run 1: Statistics of TCP BBR

Start at: 2019-01-21 05:18:29  
End at: 2019-01-21 05:18:59  
Local clock offset: 1.36 ms  
Remote clock offset: -35.603 ms

# Below is generated by plot.py at 2019-01-21 08:46:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 189.88 Mbit/s  
95th percentile per-packet one-way delay: 67.802 ms  
Loss rate: 3.74%  
-- Flow 1:  
Average throughput: 189.88 Mbit/s  
95th percentile per-packet one-way delay: 67.802 ms  
Loss rate: 3.74%

Run 1: Report of TCP BBR — Data Link

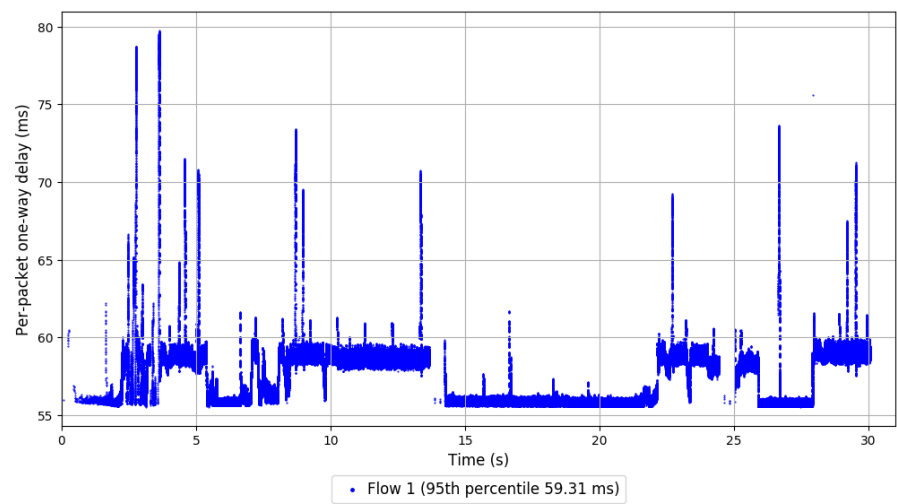
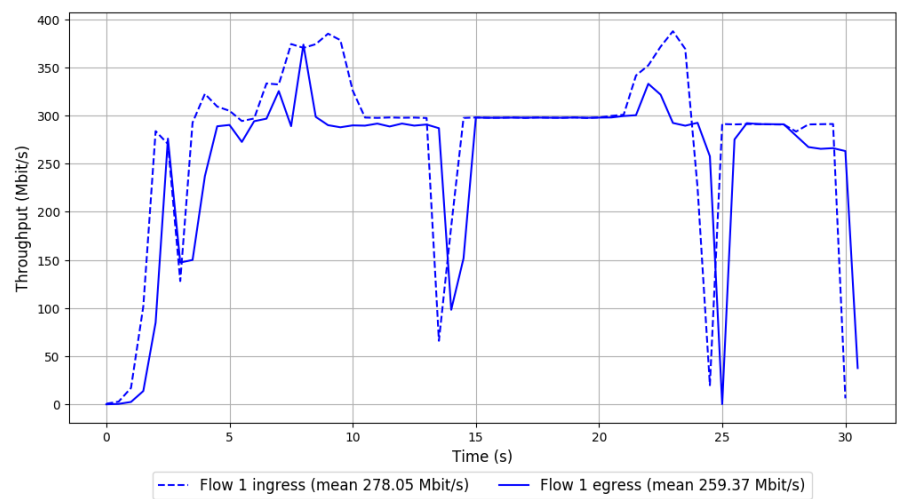


Run 2: Statistics of TCP BBR

Start at: 2019-01-21 05:51:30  
End at: 2019-01-21 05:52:00  
Local clock offset: 0.22 ms  
Remote clock offset: -43.038 ms

# Below is generated by plot.py at 2019-01-21 08:47:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 259.37 Mbit/s  
95th percentile per-packet one-way delay: 59.308 ms  
Loss rate: 6.71%  
-- Flow 1:  
Average throughput: 259.37 Mbit/s  
95th percentile per-packet one-way delay: 59.308 ms  
Loss rate: 6.71%

Run 2: Report of TCP BBR — Data Link

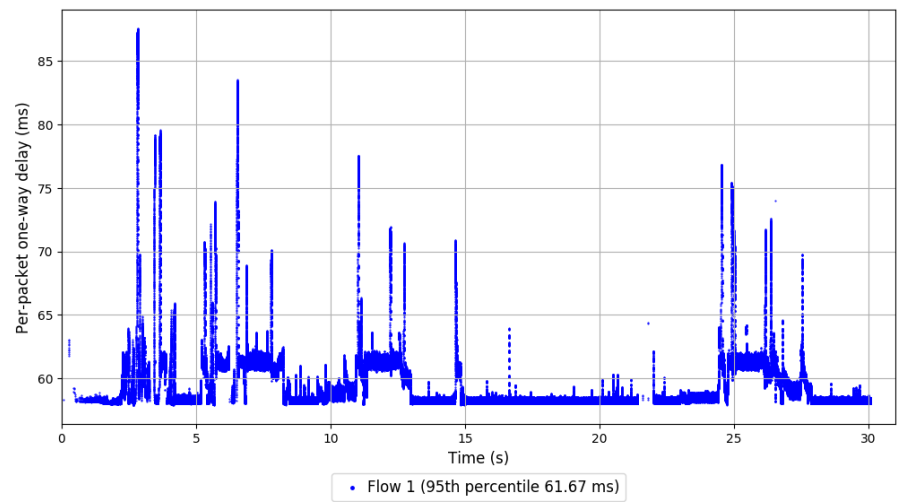
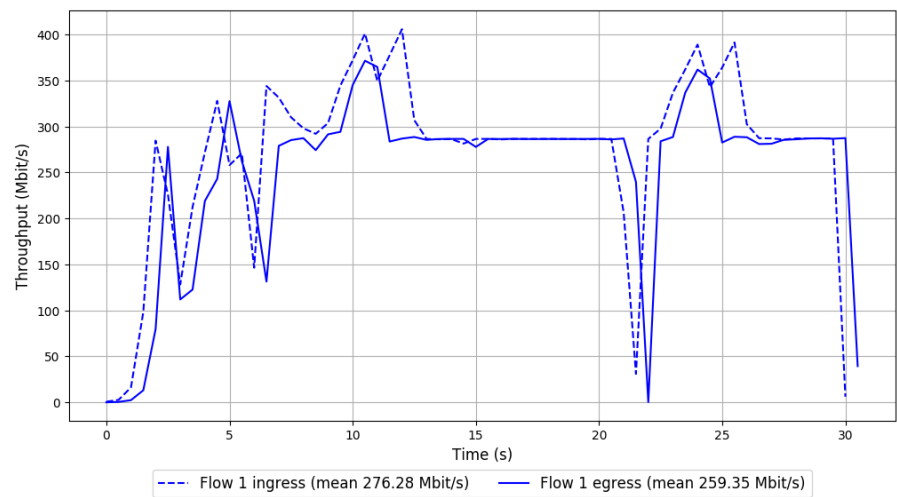


Run 3: Statistics of TCP BBR

Start at: 2019-01-21 06:30:08  
End at: 2019-01-21 06:30:38  
Local clock offset: -1.356 ms  
Remote clock offset: -42.866 ms

# Below is generated by plot.py at 2019-01-21 08:47:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 259.35 Mbit/s  
95th percentile per-packet one-way delay: 61.672 ms  
Loss rate: 6.13%  
-- Flow 1:  
Average throughput: 259.35 Mbit/s  
95th percentile per-packet one-way delay: 61.672 ms  
Loss rate: 6.13%

Run 3: Report of TCP BBR — Data Link

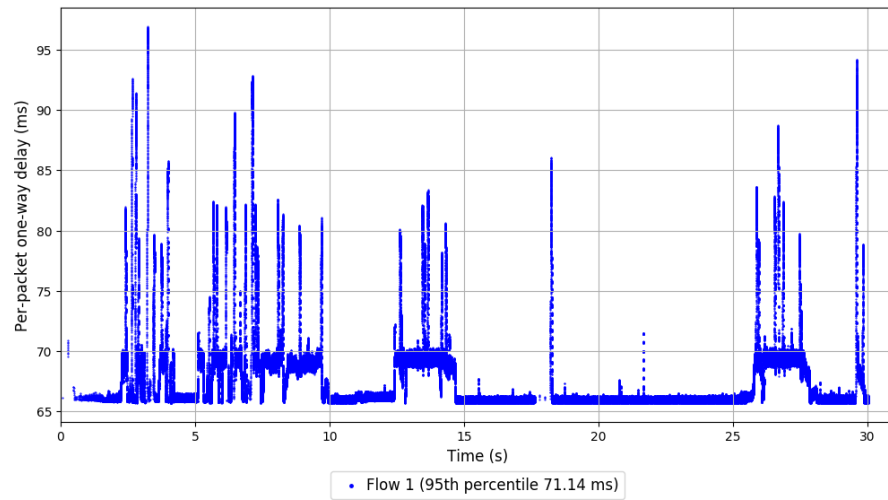
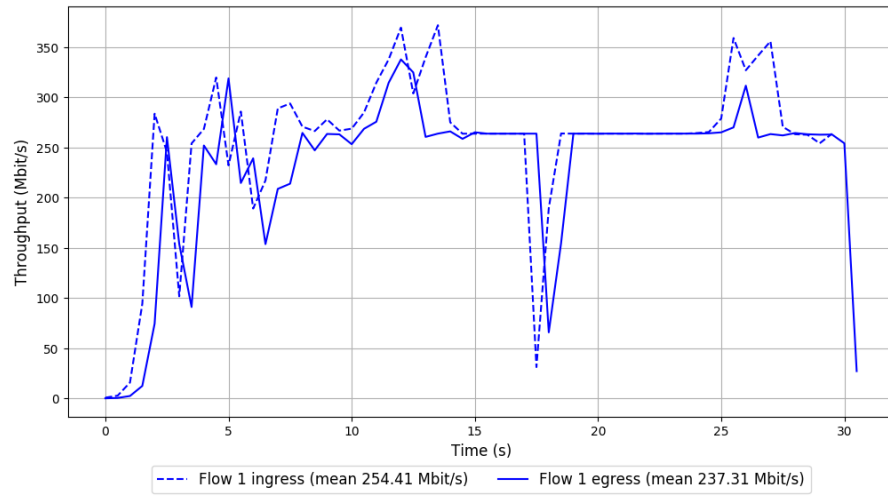


Run 4: Statistics of TCP BBR

Start at: 2019-01-21 07:31:30  
End at: 2019-01-21 07:32:00  
Local clock offset: -1.585 ms  
Remote clock offset: -36.212 ms

# Below is generated by plot.py at 2019-01-21 08:47:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 237.31 Mbit/s  
95th percentile per-packet one-way delay: 71.135 ms  
Loss rate: 6.72%  
-- Flow 1:  
Average throughput: 237.31 Mbit/s  
95th percentile per-packet one-way delay: 71.135 ms  
Loss rate: 6.72%

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



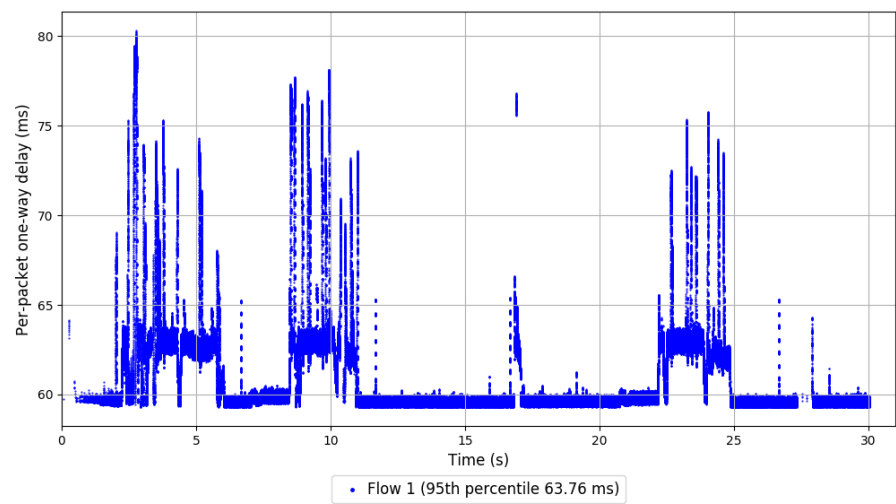
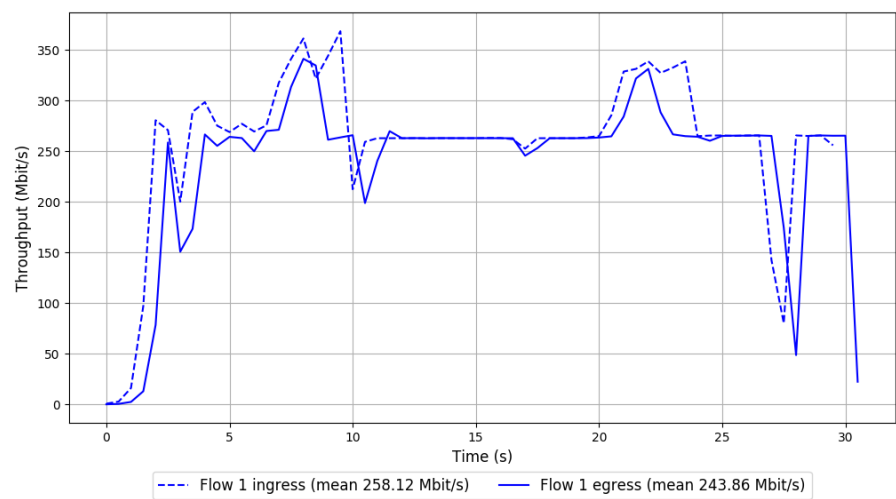


Run 5: Statistics of TCP BBR

Start at: 2019-01-21 08:32:38  
End at: 2019-01-21 08:33:08  
Local clock offset: -2.849 ms  
Remote clock offset: -42.37 ms

# Below is generated by plot.py at 2019-01-21 08:47:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 243.86 Mbit/s  
95th percentile per-packet one-way delay: 63.757 ms  
Loss rate: 5.53%  
-- Flow 1:  
Average throughput: 243.86 Mbit/s  
95th percentile per-packet one-way delay: 63.757 ms  
Loss rate: 5.53%

Run 5: Report of TCP BBR — Data Link

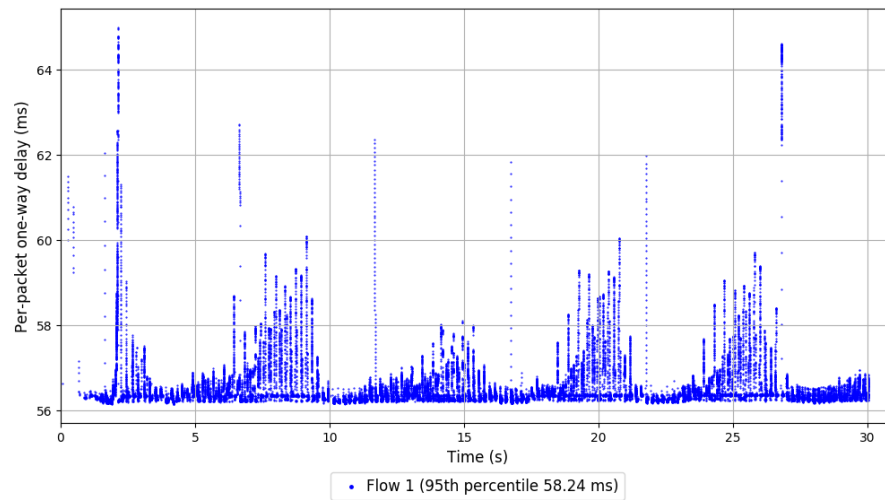
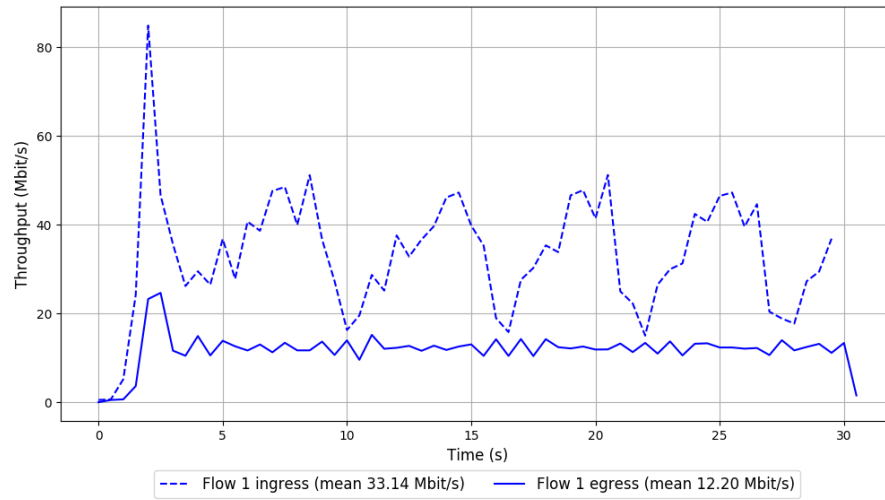


Run 1: Statistics of Copa

Start at: 2019-01-21 05:09:55  
End at: 2019-01-21 05:10:25  
Local clock offset: 1.813 ms  
Remote clock offset: -43.401 ms

# Below is generated by plot.py at 2019-01-21 08:47:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.20 Mbit/s  
95th percentile per-packet one-way delay: 58.242 ms  
Loss rate: 63.20%  
-- Flow 1:  
Average throughput: 12.20 Mbit/s  
95th percentile per-packet one-way delay: 58.242 ms  
Loss rate: 63.20%

### Run 1: Report of Copa — Data Link

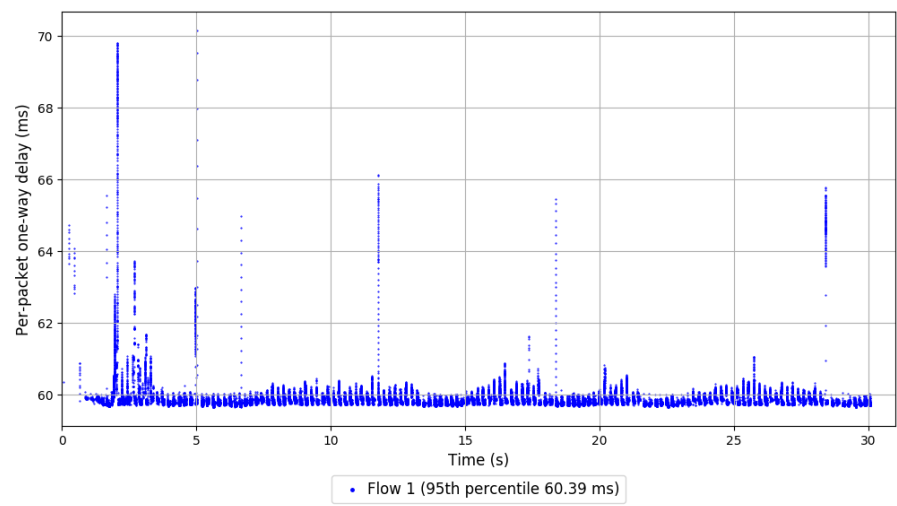
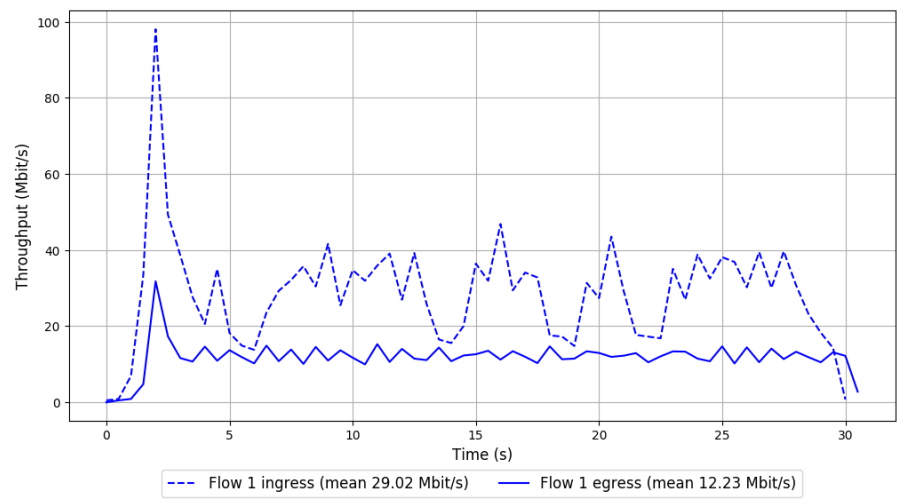


Run 2: Statistics of Copa

Start at: 2019-01-21 05:42:57  
End at: 2019-01-21 05:43:27  
Local clock offset: -0.952 ms  
Remote clock offset: -40.201 ms

# Below is generated by plot.py at 2019-01-21 08:47:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.23 Mbit/s  
95th percentile per-packet one-way delay: 60.387 ms  
Loss rate: 57.85%  
-- Flow 1:  
Average throughput: 12.23 Mbit/s  
95th percentile per-packet one-way delay: 60.387 ms  
Loss rate: 57.85%

Run 2: Report of Copa — Data Link

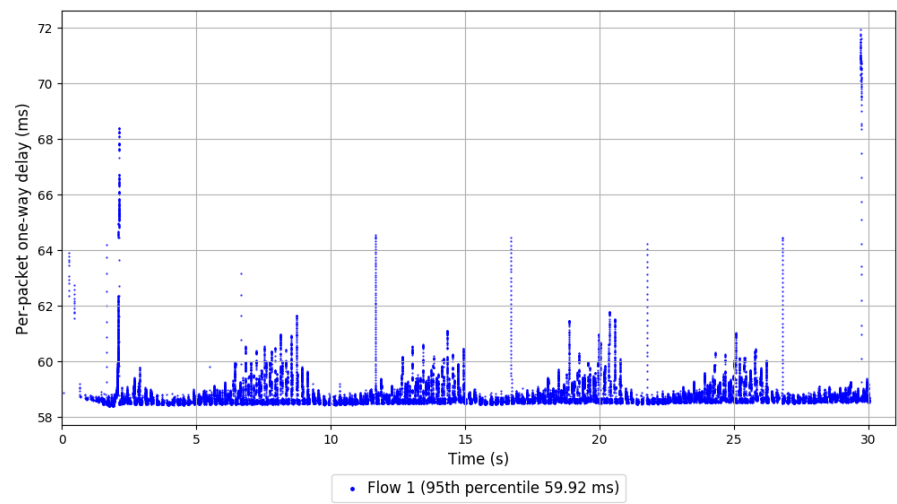
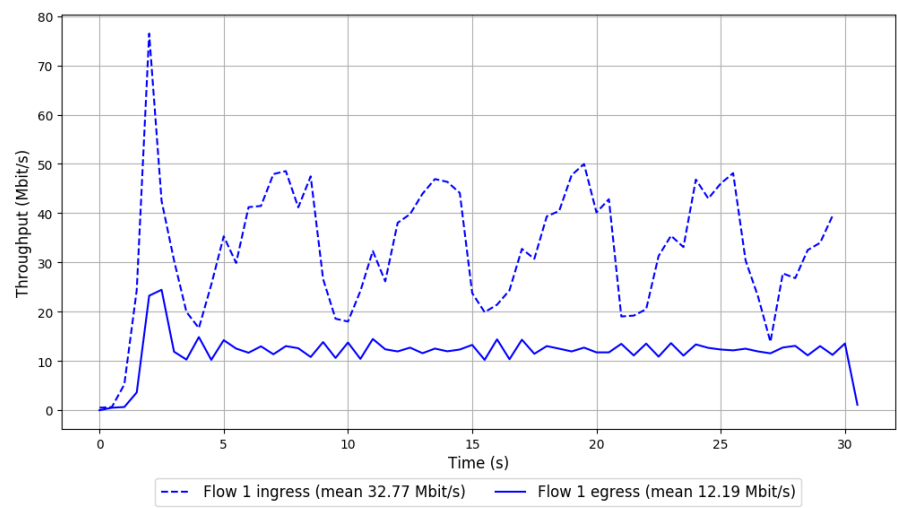


Run 3: Statistics of Copa

Start at: 2019-01-21 06:21:34  
End at: 2019-01-21 06:22:04  
Local clock offset: -1.808 ms  
Remote clock offset: -41.855 ms

# Below is generated by plot.py at 2019-01-21 08:47:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.19 Mbit/s  
95th percentile per-packet one-way delay: 59.922 ms  
Loss rate: 62.78%  
-- Flow 1:  
Average throughput: 12.19 Mbit/s  
95th percentile per-packet one-way delay: 59.922 ms  
Loss rate: 62.78%

Run 3: Report of Copa — Data Link



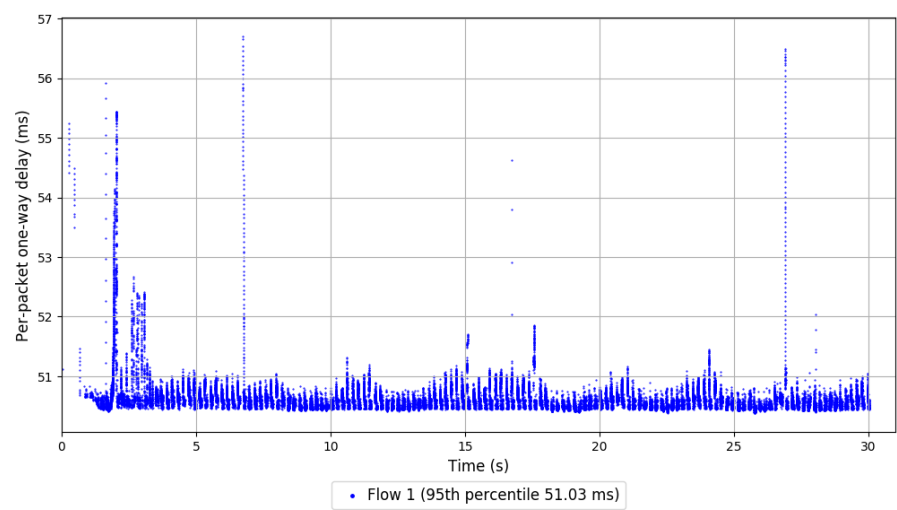
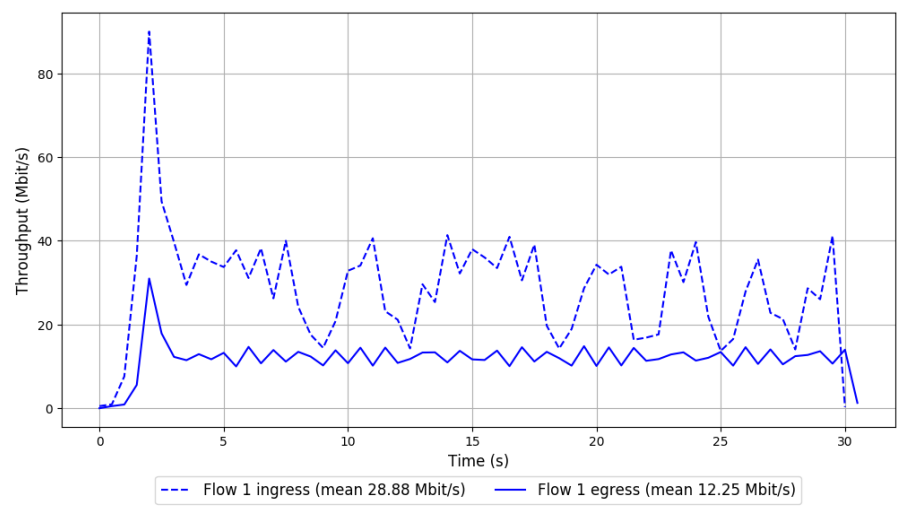


Run 4: Statistics of Copa

Start at: 2019-01-21 07:11:40  
End at: 2019-01-21 07:12:10  
Local clock offset: 0.618 ms  
Remote clock offset: -47.074 ms

# Below is generated by plot.py at 2019-01-21 08:47:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.25 Mbit/s  
95th percentile per-packet one-way delay: 51.035 ms  
Loss rate: 57.59%  
-- Flow 1:  
Average throughput: 12.25 Mbit/s  
95th percentile per-packet one-way delay: 51.035 ms  
Loss rate: 57.59%

Run 4: Report of Copa — Data Link

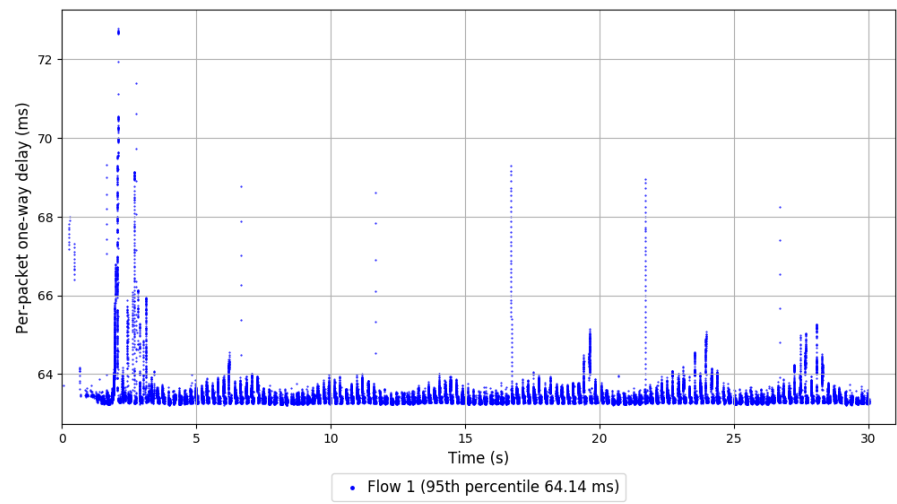
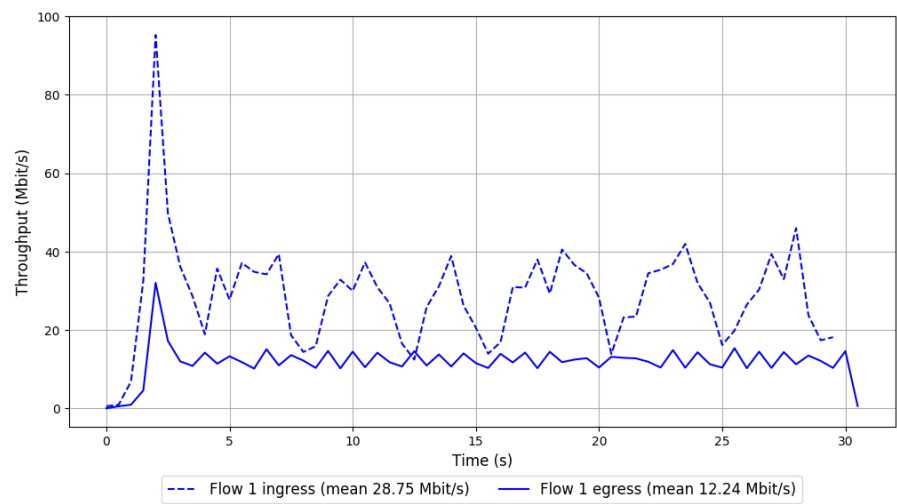


Run 5: Statistics of Copa

Start at: 2019-01-21 08:12:52  
End at: 2019-01-21 08:13:23  
Local clock offset: -2.221 ms  
Remote clock offset: -38.491 ms

# Below is generated by plot.py at 2019-01-21 08:47:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.24 Mbit/s  
95th percentile per-packet one-way delay: 64.144 ms  
Loss rate: 57.43%  
-- Flow 1:  
Average throughput: 12.24 Mbit/s  
95th percentile per-packet one-way delay: 64.144 ms  
Loss rate: 57.43%

Run 5: Report of Copa — Data Link

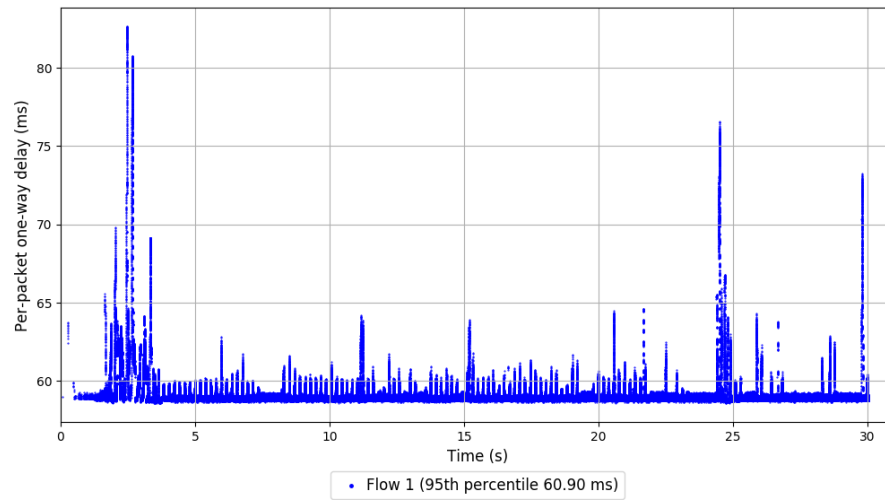
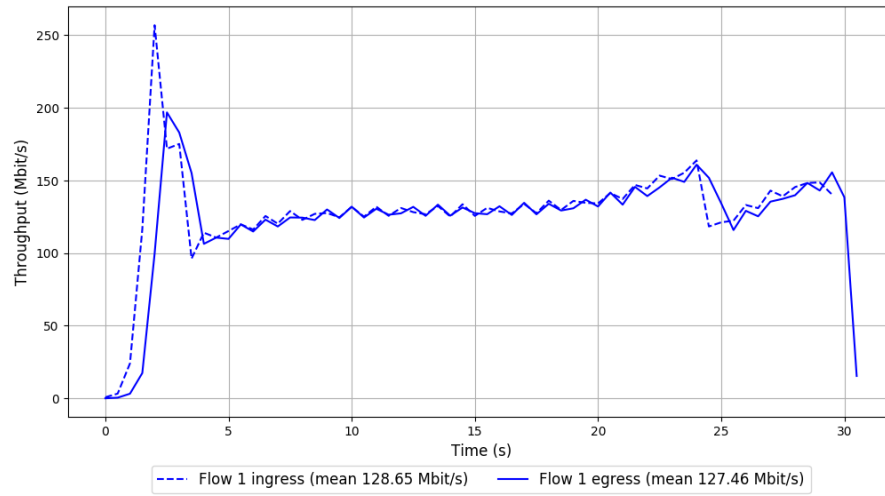


Run 1: Statistics of TCP Cubic

Start at: 2019-01-21 05:08:39  
End at: 2019-01-21 05:09:09  
Local clock offset: 1.287 ms  
Remote clock offset: -41.407 ms

# Below is generated by plot.py at 2019-01-21 08:47:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 127.46 Mbit/s  
95th percentile per-packet one-way delay: 60.904 ms  
Loss rate: 0.92%  
-- Flow 1:  
Average throughput: 127.46 Mbit/s  
95th percentile per-packet one-way delay: 60.904 ms  
Loss rate: 0.92%

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

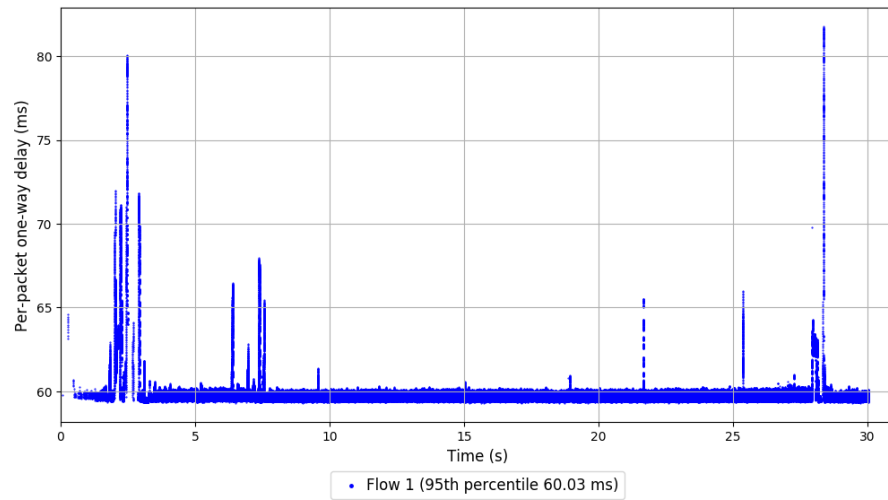
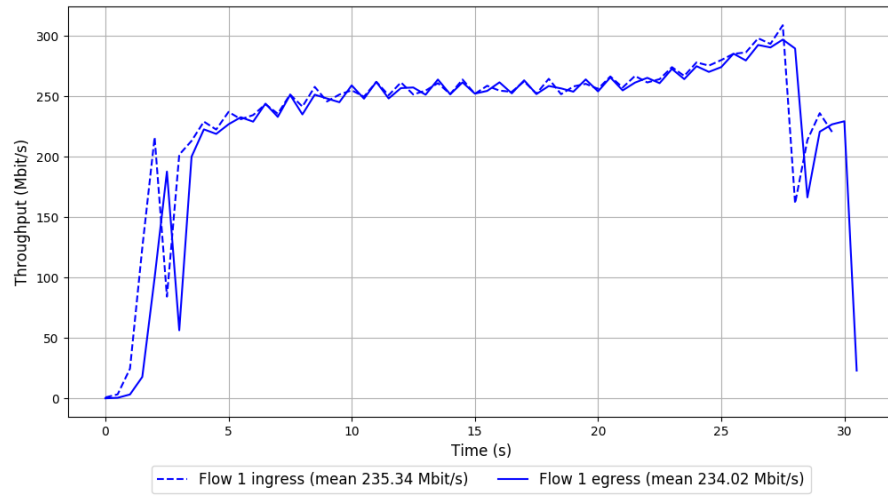


Run 2: Statistics of TCP Cubic

Start at: 2019-01-21 05:41:36  
End at: 2019-01-21 05:42:06  
Local clock offset: -2.372 ms  
Remote clock offset: -41.815 ms

# Below is generated by plot.py at 2019-01-21 08:47:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 234.02 Mbit/s  
95th percentile per-packet one-way delay: 60.028 ms  
Loss rate: 0.56%  
-- Flow 1:  
Average throughput: 234.02 Mbit/s  
95th percentile per-packet one-way delay: 60.028 ms  
Loss rate: 0.56%

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



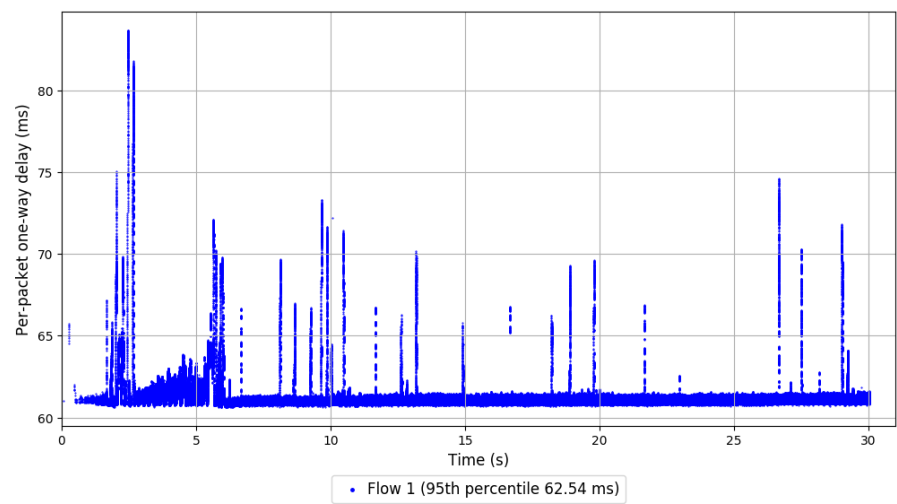
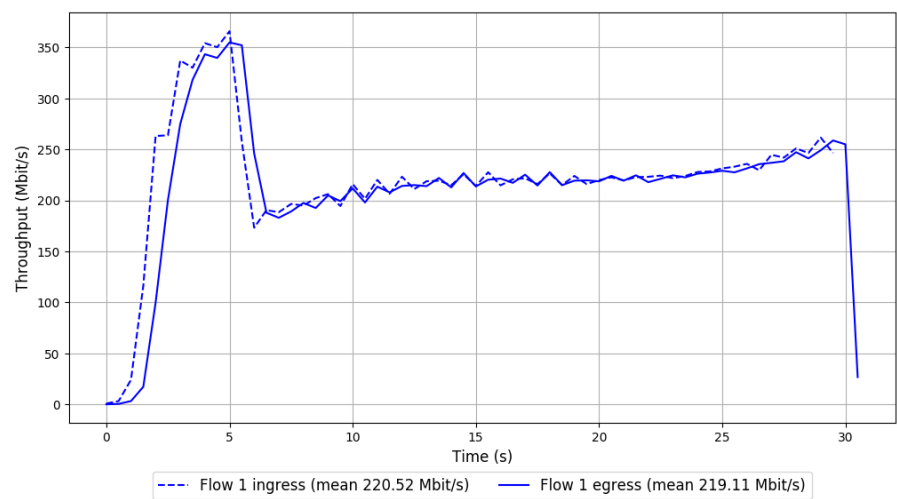


Run 3: Statistics of TCP Cubic

Start at: 2019-01-21 06:20:14  
End at: 2019-01-21 06:20:44  
Local clock offset: -2.032 ms  
Remote clock offset: -39.527 ms

# Below is generated by plot.py at 2019-01-21 08:47:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 219.11 Mbit/s  
95th percentile per-packet one-way delay: 62.539 ms  
Loss rate: 0.64%  
-- Flow 1:  
Average throughput: 219.11 Mbit/s  
95th percentile per-packet one-way delay: 62.539 ms  
Loss rate: 0.64%

Run 3: Report of TCP Cubic — Data Link

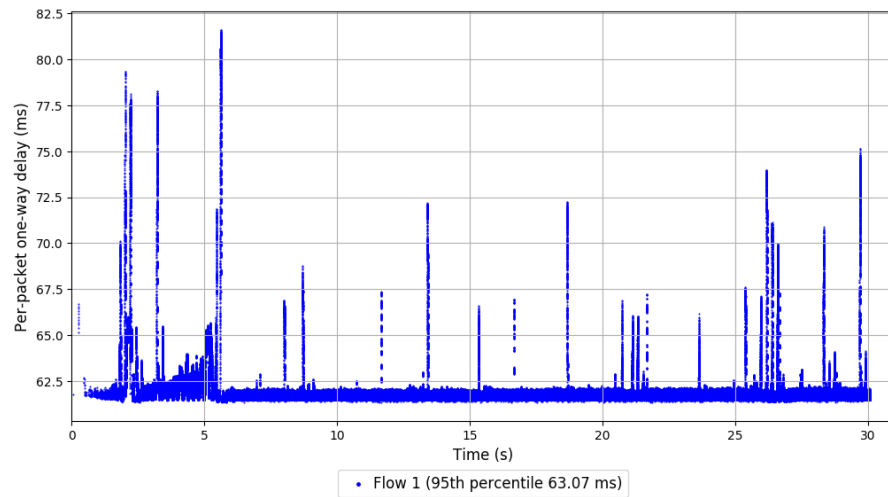
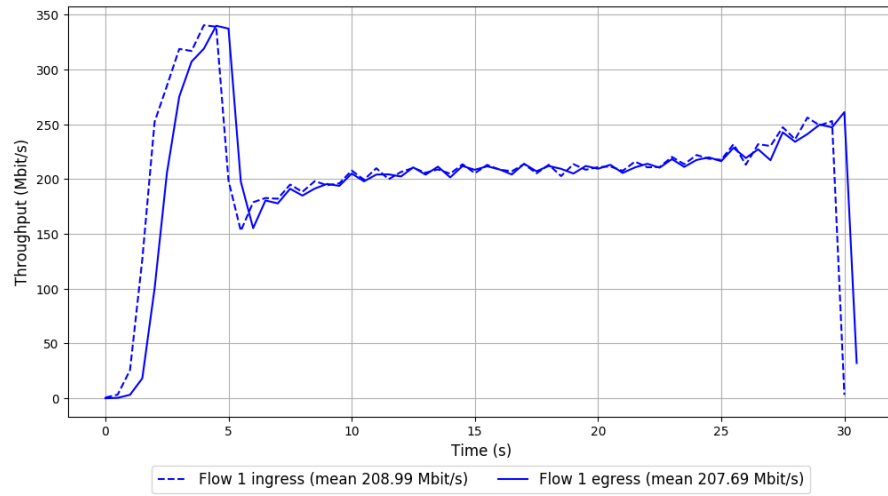


Run 4: Statistics of TCP Cubic

Start at: 2019-01-21 07:10:20  
End at: 2019-01-21 07:10:50  
Local clock offset: -2.049 ms  
Remote clock offset: -39.081 ms

# Below is generated by plot.py at 2019-01-21 08:48:02  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 207.69 Mbit/s  
95th percentile per-packet one-way delay: 63.066 ms  
Loss rate: 0.62%  
-- Flow 1:  
Average throughput: 207.69 Mbit/s  
95th percentile per-packet one-way delay: 63.066 ms  
Loss rate: 0.62%

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

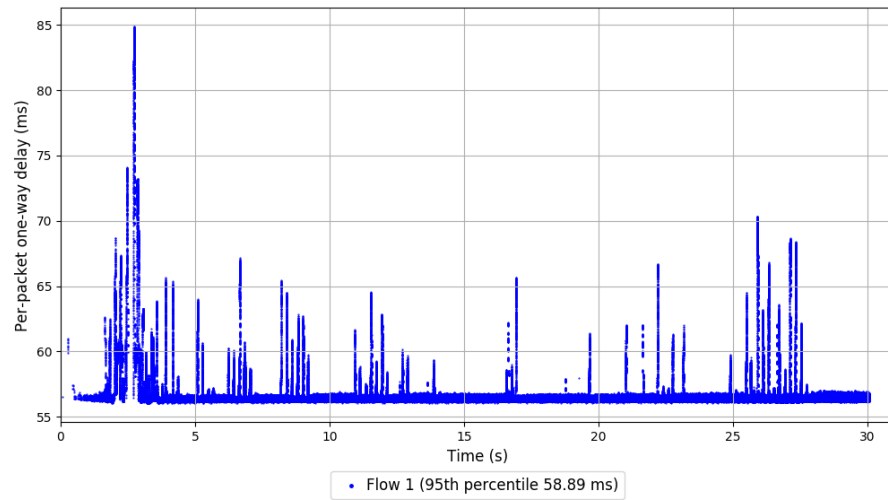
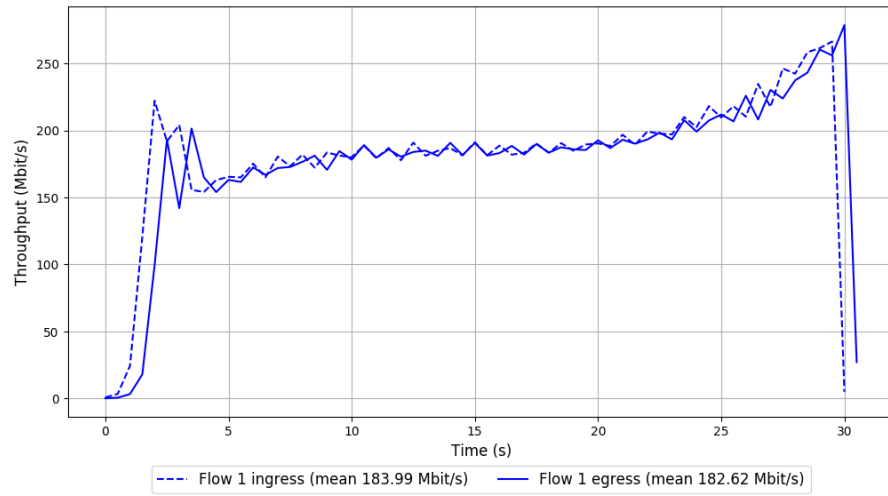


Run 5: Statistics of TCP Cubic

Start at: 2019-01-21 08:11:33  
End at: 2019-01-21 08:12:03  
Local clock offset: 0.155 ms  
Remote clock offset: -43.117 ms

# Below is generated by plot.py at 2019-01-21 08:48:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 182.62 Mbit/s  
95th percentile per-packet one-way delay: 58.890 ms  
Loss rate: 0.75%  
-- Flow 1:  
Average throughput: 182.62 Mbit/s  
95th percentile per-packet one-way delay: 58.890 ms  
Loss rate: 0.75%

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

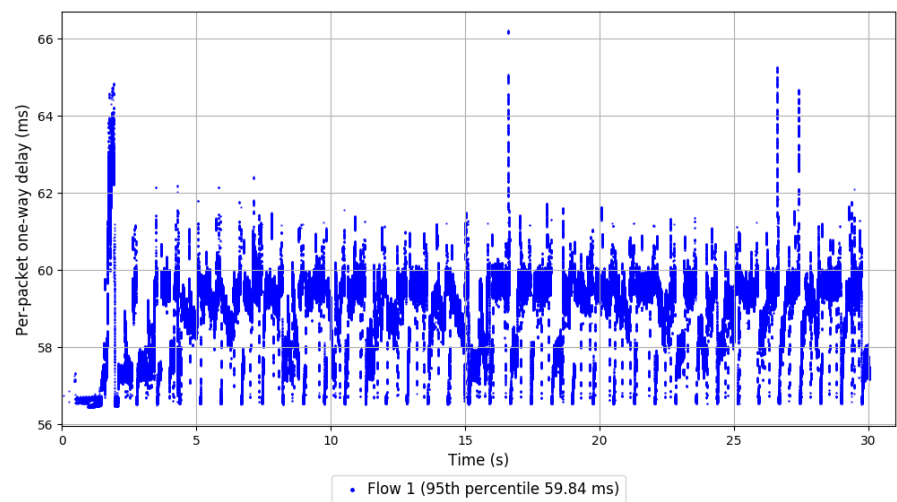
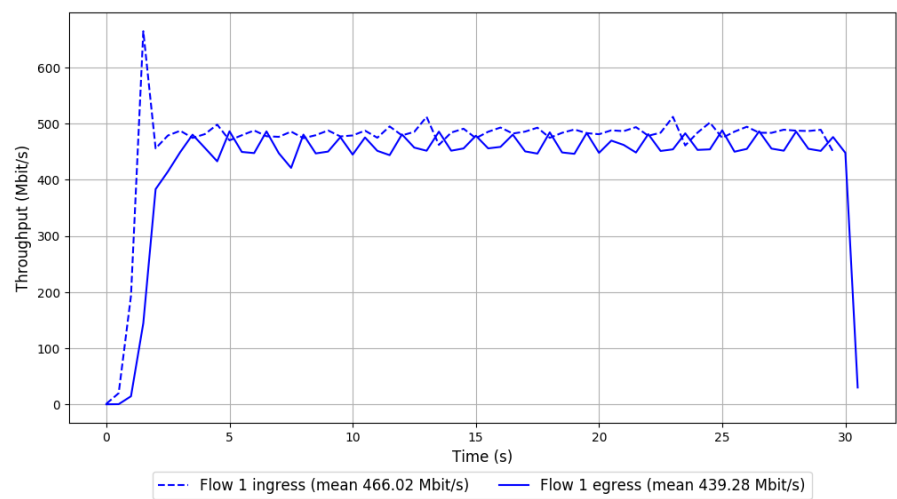


Run 1: Statistics of FillP

Start at: 2019-01-21 04:59:25  
End at: 2019-01-21 04:59:55  
Local clock offset: 0.92 ms  
Remote clock offset: -43.131 ms

# Below is generated by plot.py at 2019-01-21 08:52:48  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 439.28 Mbit/s  
95th percentile per-packet one-way delay: 59.838 ms  
Loss rate: 5.74%  
-- Flow 1:  
Average throughput: 439.28 Mbit/s  
95th percentile per-packet one-way delay: 59.838 ms  
Loss rate: 5.74%

Run 1: Report of FillP — Data Link



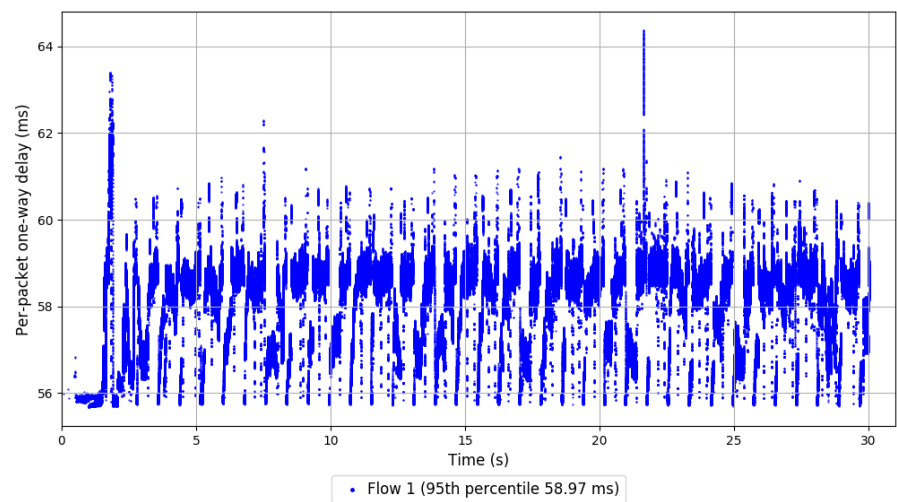
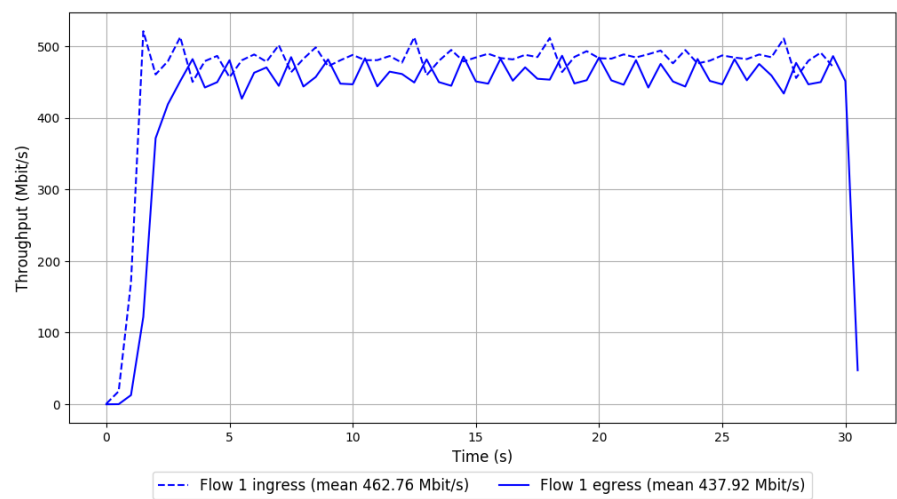


Run 2: Statistics of FillP

Start at: 2019-01-21 05:32:25  
End at: 2019-01-21 05:32:55  
Local clock offset: 0.221 ms  
Remote clock offset: -45.943 ms

# Below is generated by plot.py at 2019-01-21 08:52:51  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 437.92 Mbit/s  
95th percentile per-packet one-way delay: 58.966 ms  
Loss rate: 5.36%  
-- Flow 1:  
Average throughput: 437.92 Mbit/s  
95th percentile per-packet one-way delay: 58.966 ms  
Loss rate: 5.36%

Run 2: Report of FillP — Data Link

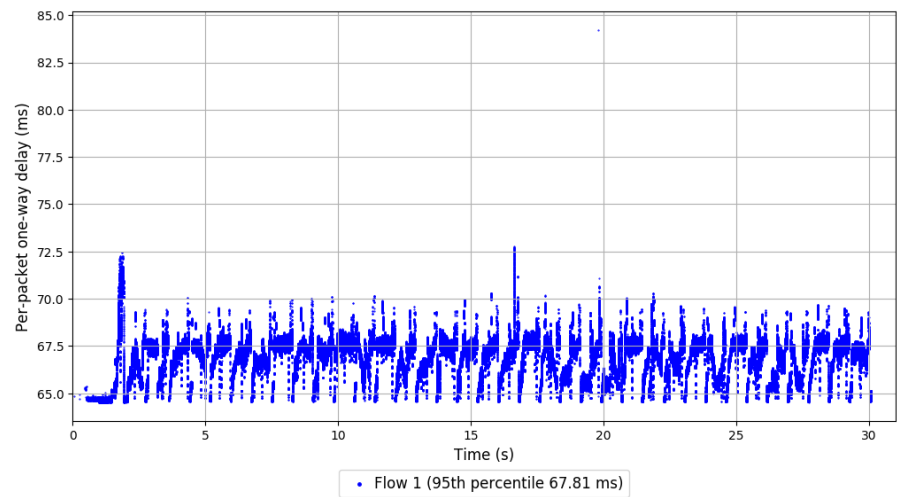
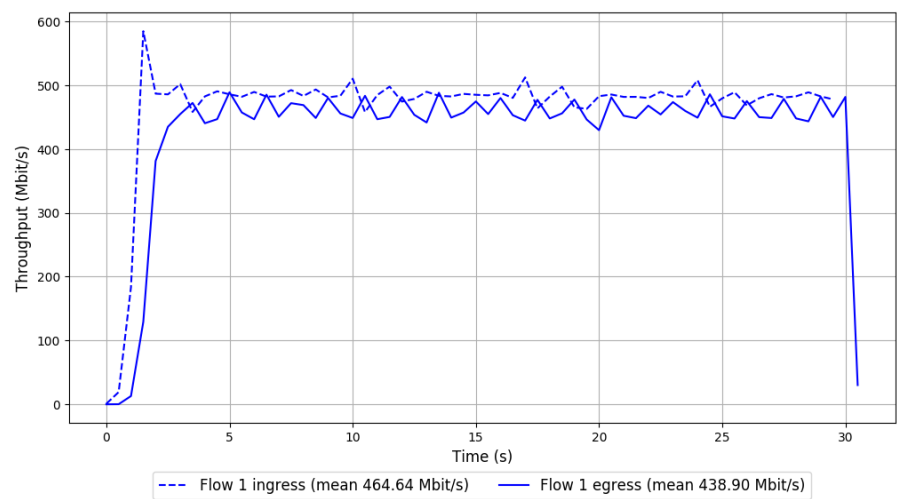


Run 3: Statistics of FillP

Start at: 2019-01-21 06:11:01  
End at: 2019-01-21 06:11:31  
Local clock offset: -2.366 ms  
Remote clock offset: -34.812 ms

# Below is generated by plot.py at 2019-01-21 08:52:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 438.90 Mbit/s  
95th percentile per-packet one-way delay: 67.811 ms  
Loss rate: 5.54%  
-- Flow 1:  
Average throughput: 438.90 Mbit/s  
95th percentile per-packet one-way delay: 67.811 ms  
Loss rate: 5.54%

Run 3: Report of FillP — Data Link

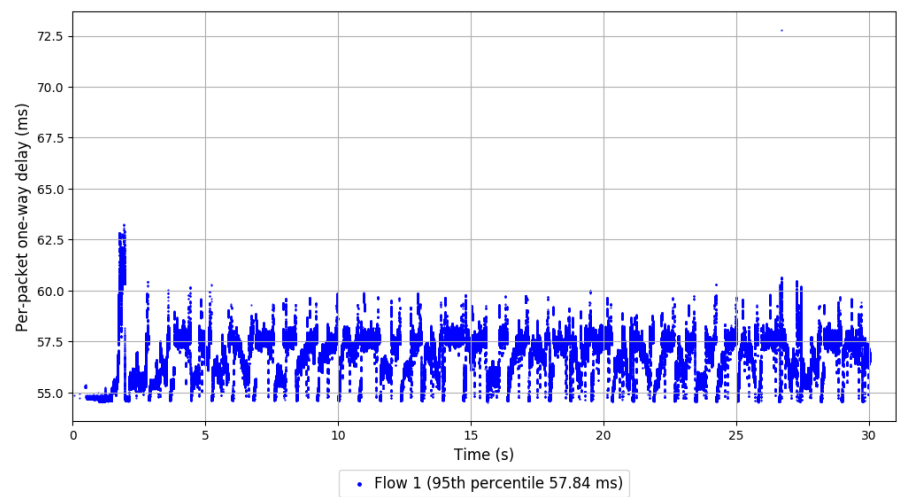
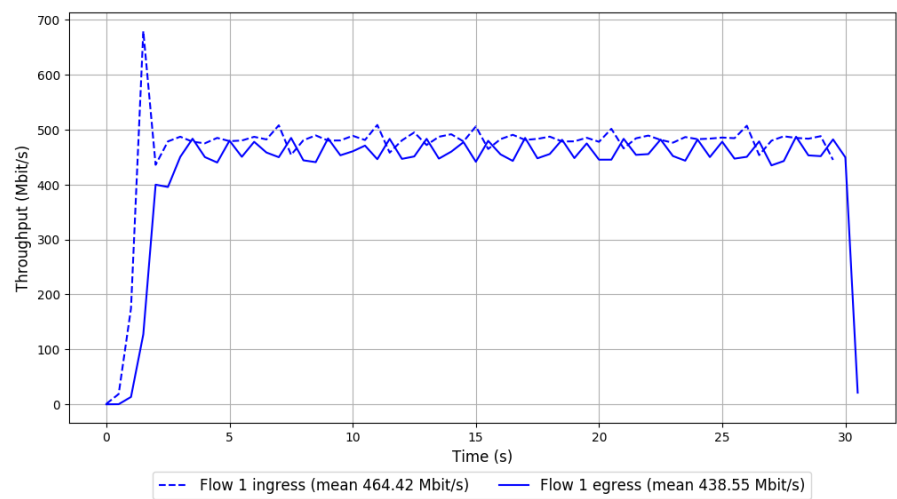


Run 4: Statistics of FillP

Start at: 2019-01-21 06:49:38  
End at: 2019-01-21 06:50:08  
Local clock offset: 1.895 ms  
Remote clock offset: -45.298 ms

# Below is generated by plot.py at 2019-01-21 08:53:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 438.55 Mbit/s  
95th percentile per-packet one-way delay: 57.835 ms  
Loss rate: 5.57%  
-- Flow 1:  
Average throughput: 438.55 Mbit/s  
95th percentile per-packet one-way delay: 57.835 ms  
Loss rate: 5.57%

Run 4: Report of FillP — Data Link

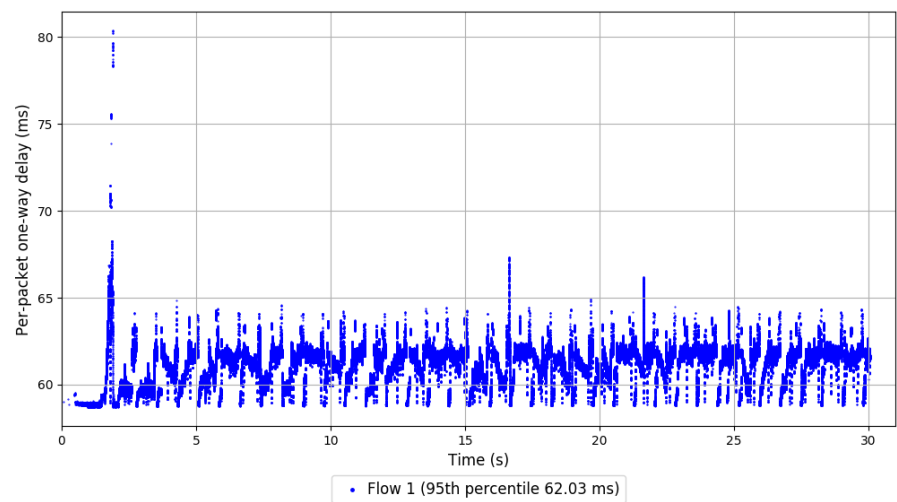
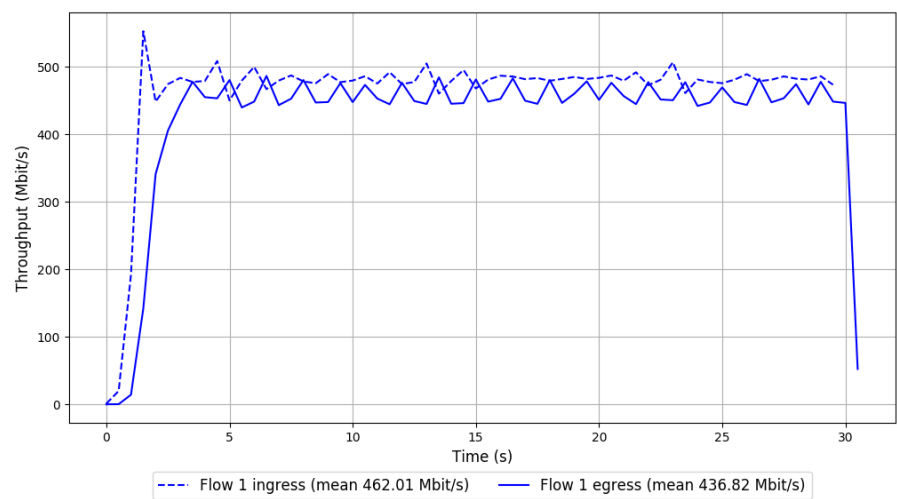


Run 5: Statistics of FillP

Start at: 2019-01-21 07:50:54  
End at: 2019-01-21 07:51:24  
Local clock offset: -1.145 ms  
Remote clock offset: -40.667 ms

# Below is generated by plot.py at 2019-01-21 08:53:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 436.82 Mbit/s  
95th percentile per-packet one-way delay: 62.027 ms  
Loss rate: 5.45%  
-- Flow 1:  
Average throughput: 436.82 Mbit/s  
95th percentile per-packet one-way delay: 62.027 ms  
Loss rate: 5.45%

Run 5: Report of FillP — Data Link





Run 1: Statistics of FillP-Sheep

Start at: 2019-01-21 05:00:52

End at: 2019-01-21 05:01:22

Local clock offset: 1.572 ms

Remote clock offset: -39.652 ms

# Below is generated by plot.py at 2019-01-21 08:53:04

# Datalink statistics

-- Total of 1 flow:

Average throughput: 435.97 Mbit/s

95th percentile per-packet one-way delay: 65.347 ms

Loss rate: 4.54%

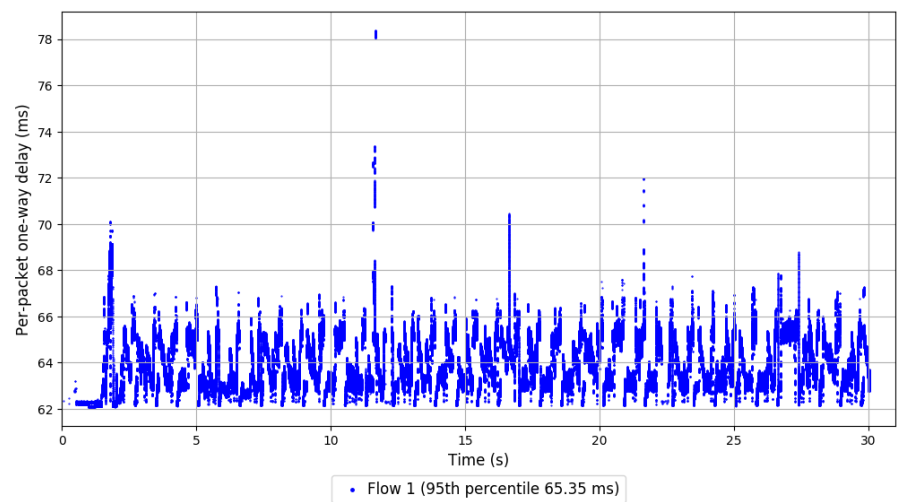
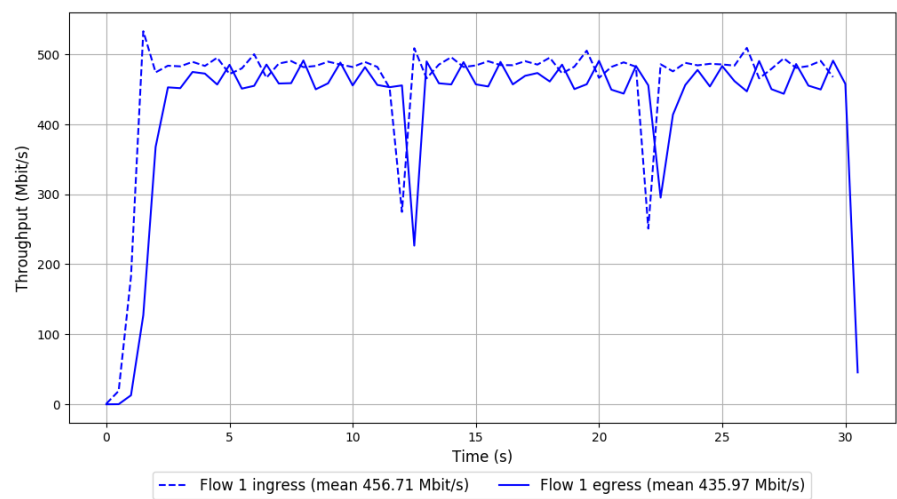
-- Flow 1:

Average throughput: 435.97 Mbit/s

95th percentile per-packet one-way delay: 65.347 ms

Loss rate: 4.54%

Run 1: Report of FillP-Sheep — Data Link

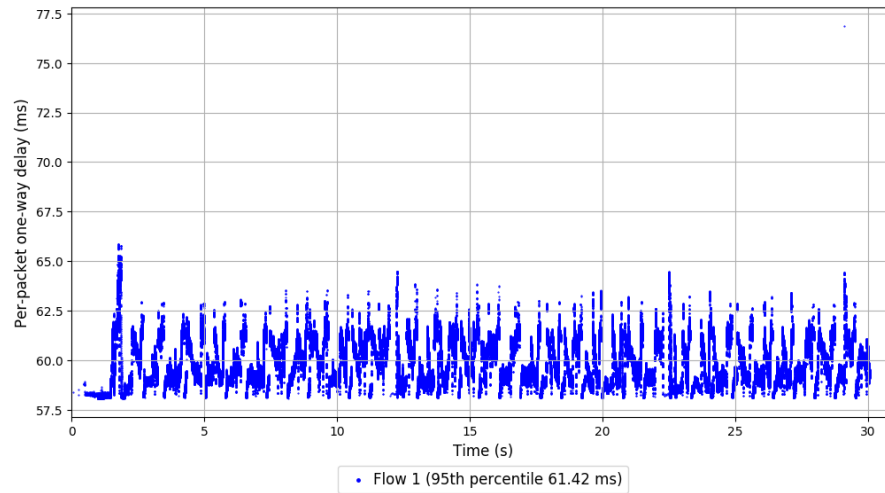
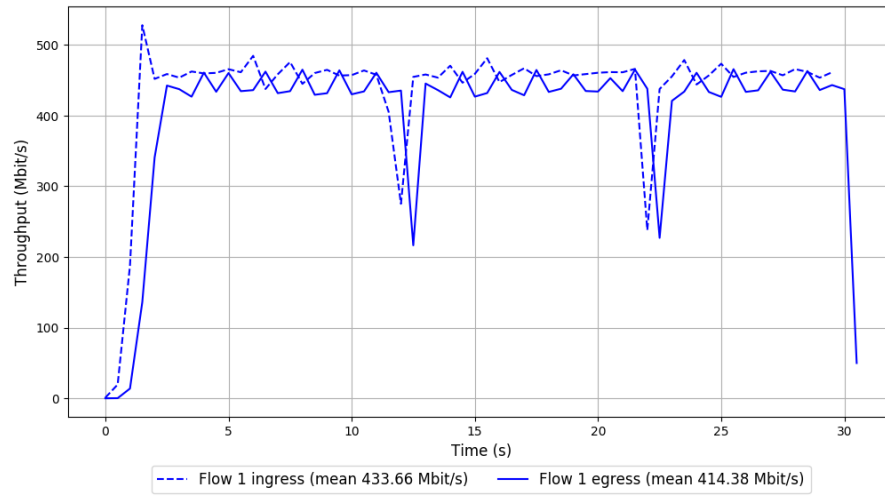


Run 2: Statistics of FillP-Sheep

Start at: 2019-01-21 05:33:52  
End at: 2019-01-21 05:34:22  
Local clock offset: -0.668 ms  
Remote clock offset: -41.502 ms

# Below is generated by plot.py at 2019-01-21 08:53:42  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 414.38 Mbit/s  
95th percentile per-packet one-way delay: 61.424 ms  
Loss rate: 4.44%  
-- Flow 1:  
Average throughput: 414.38 Mbit/s  
95th percentile per-packet one-way delay: 61.424 ms  
Loss rate: 4.44%

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

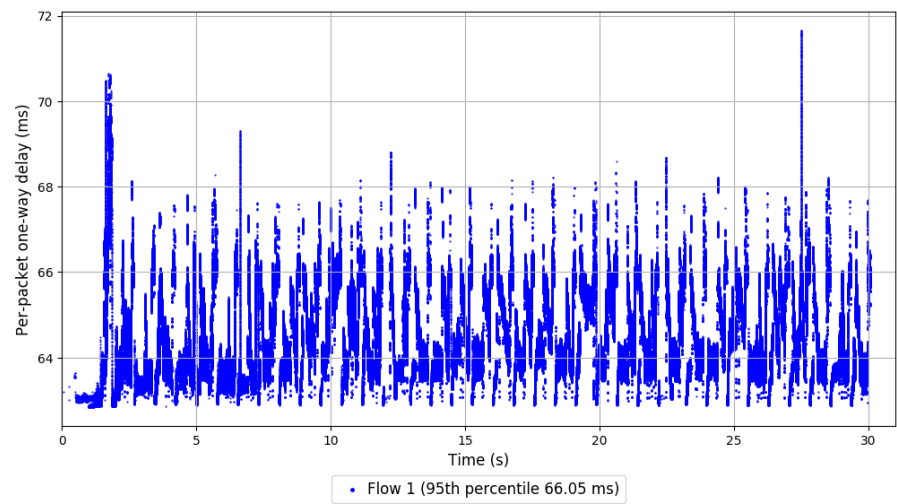
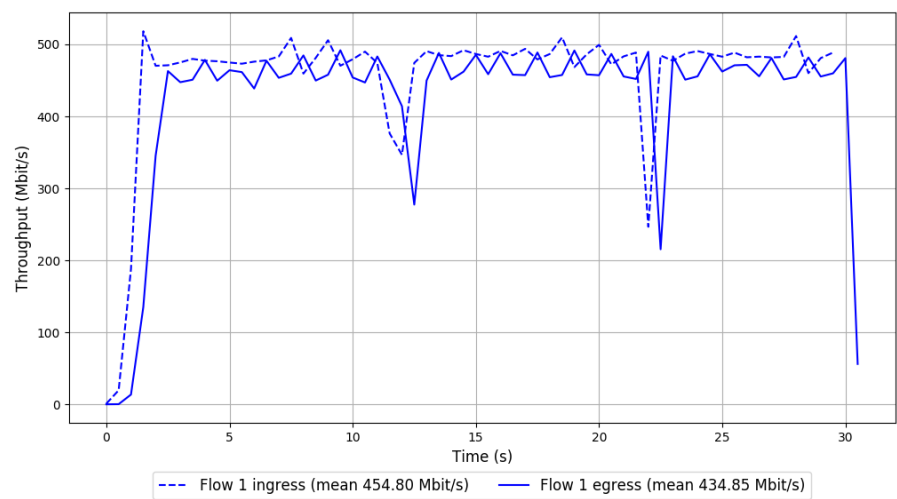


Run 3: Statistics of FillP-Sheep

Start at: 2019-01-21 06:12:29  
End at: 2019-01-21 06:12:59  
Local clock offset: -2.728 ms  
Remote clock offset: -36.889 ms

# Below is generated by plot.py at 2019-01-21 08:54:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 434.85 Mbit/s  
95th percentile per-packet one-way delay: 66.049 ms  
Loss rate: 4.38%  
-- Flow 1:  
Average throughput: 434.85 Mbit/s  
95th percentile per-packet one-way delay: 66.049 ms  
Loss rate: 4.38%

Run 3: Report of FillP-Sheep — Data Link

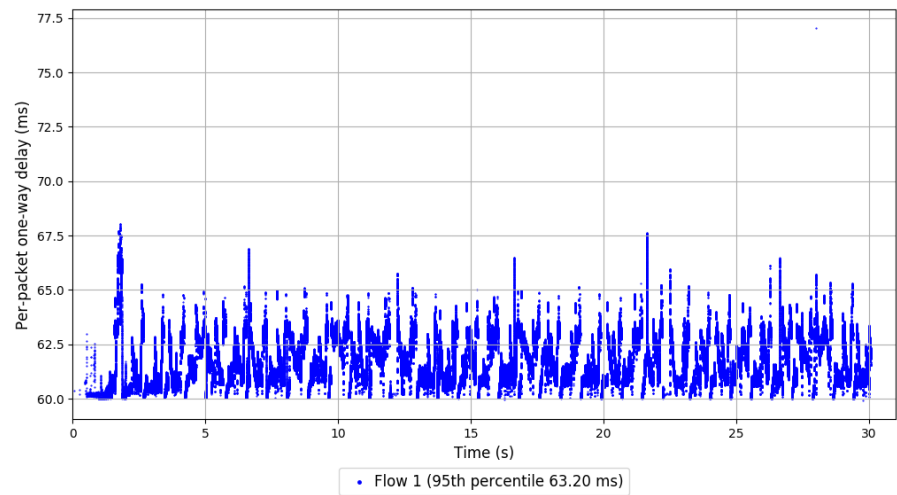
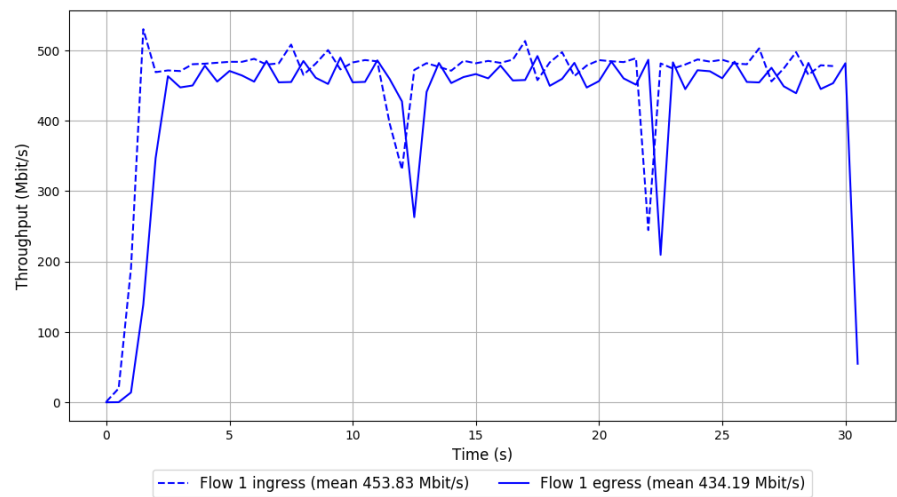


Run 4: Statistics of FillP-Sheep

Start at: 2019-01-21 06:51:14  
End at: 2019-01-21 06:51:44  
Local clock offset: 0.048 ms  
Remote clock offset: -39.48 ms

# Below is generated by plot.py at 2019-01-21 08:58:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 434.19 Mbit/s  
95th percentile per-packet one-way delay: 63.199 ms  
Loss rate: 4.32%  
-- Flow 1:  
Average throughput: 434.19 Mbit/s  
95th percentile per-packet one-way delay: 63.199 ms  
Loss rate: 4.32%

Run 4: Report of FillP-Sheep — Data Link





Run 5: Statistics of FillP-Sheep

Start at: 2019-01-21 07:52:22

End at: 2019-01-21 07:52:52

Local clock offset: 0.305 ms

Remote clock offset: -39.917 ms

# Below is generated by plot.py at 2019-01-21 08:58:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 432.55 Mbit/s

95th percentile per-packet one-way delay: 61.551 ms

Loss rate: 5.27%

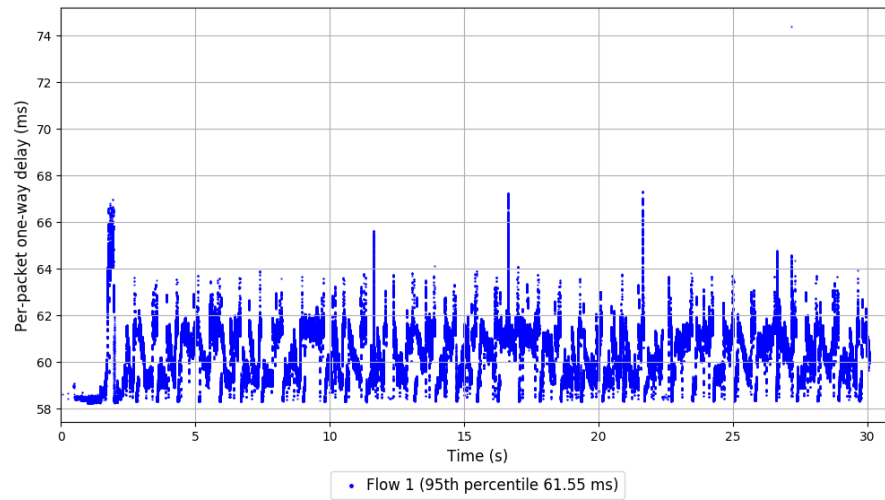
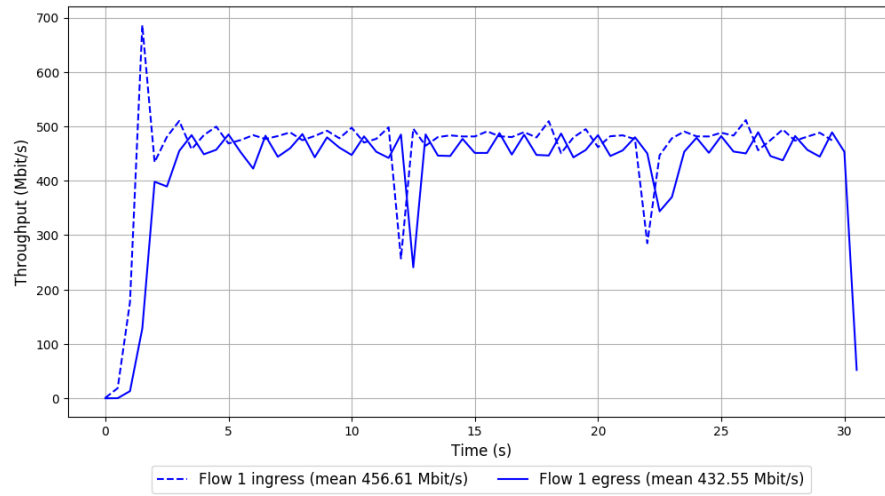
-- Flow 1:

Average throughput: 432.55 Mbit/s

95th percentile per-packet one-way delay: 61.551 ms

Loss rate: 5.27%

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



Run 1: Statistics of Indigo

Start at: 2019-01-21 05:07:21

End at: 2019-01-21 05:07:51

Local clock offset: 0.54 ms

Remote clock offset: -33.577 ms

# Below is generated by plot.py at 2019-01-21 08:58:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 120.12 Mbit/s

95th percentile per-packet one-way delay: 84.391 ms

Loss rate: 0.64%

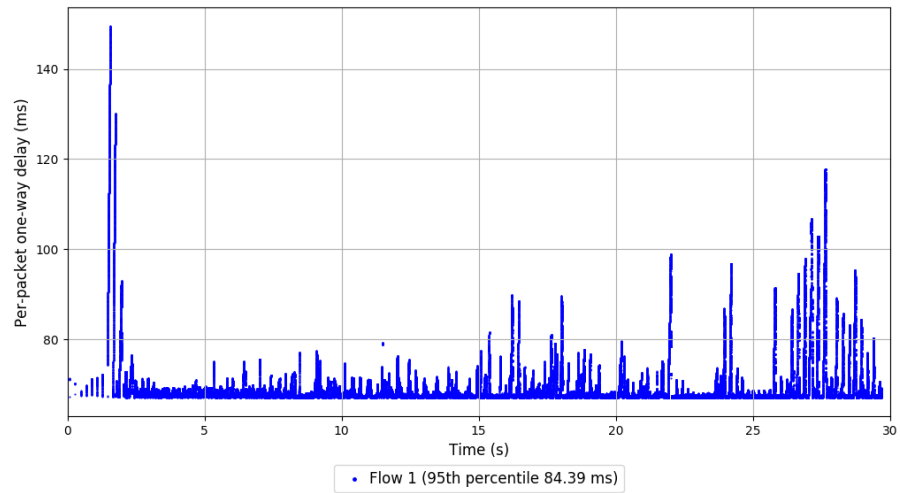
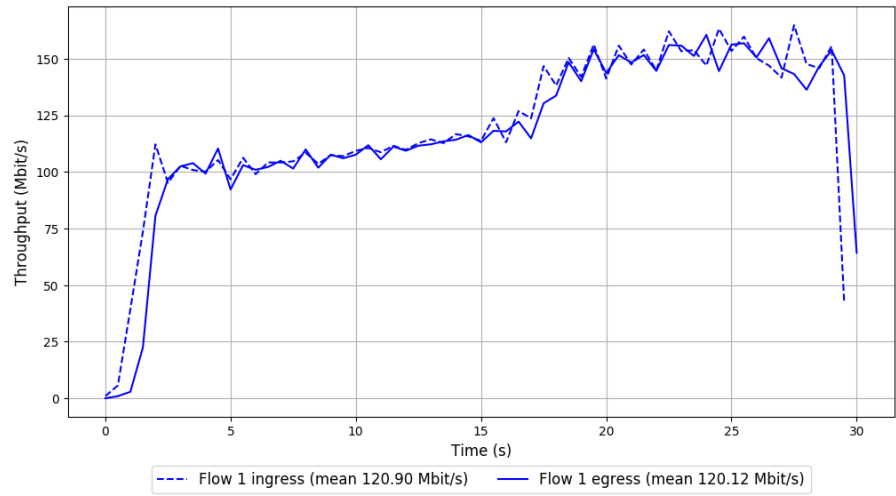
-- Flow 1:

Average throughput: 120.12 Mbit/s

95th percentile per-packet one-way delay: 84.391 ms

Loss rate: 0.64%

## Run 1: Report of Indigo — Data Link

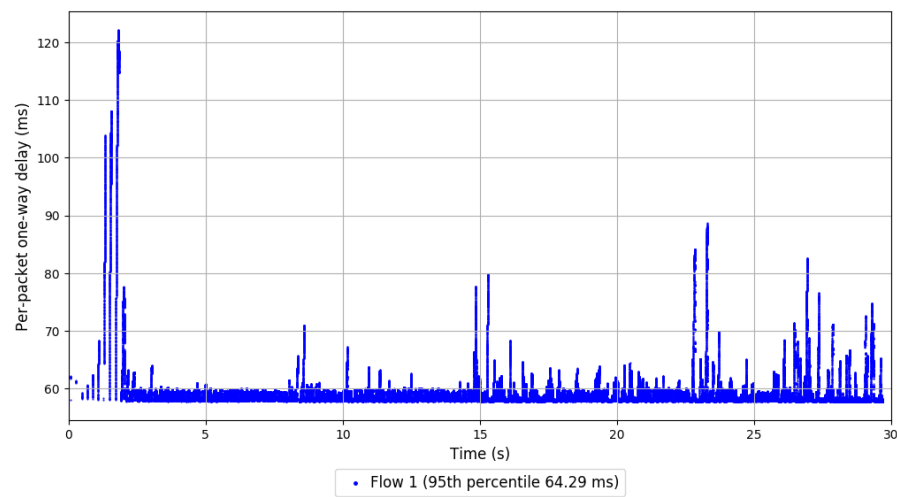
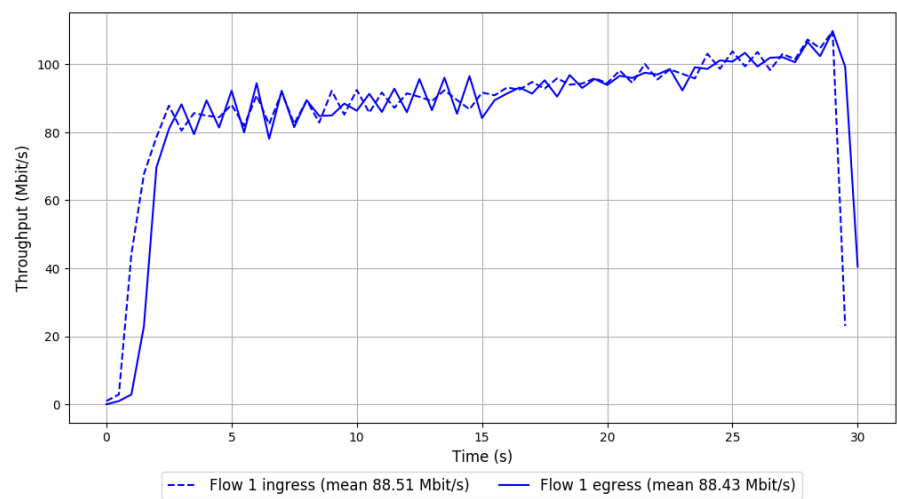


Run 2: Statistics of Indigo

Start at: 2019-01-21 05:40:20  
End at: 2019-01-21 05:40:50  
Local clock offset: 0.715 ms  
Remote clock offset: -43.222 ms

# Below is generated by plot.py at 2019-01-21 08:58:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 88.43 Mbit/s  
95th percentile per-packet one-way delay: 64.292 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 88.43 Mbit/s  
95th percentile per-packet one-way delay: 64.292 ms  
Loss rate: 0.09%

Run 2: Report of Indigo — Data Link

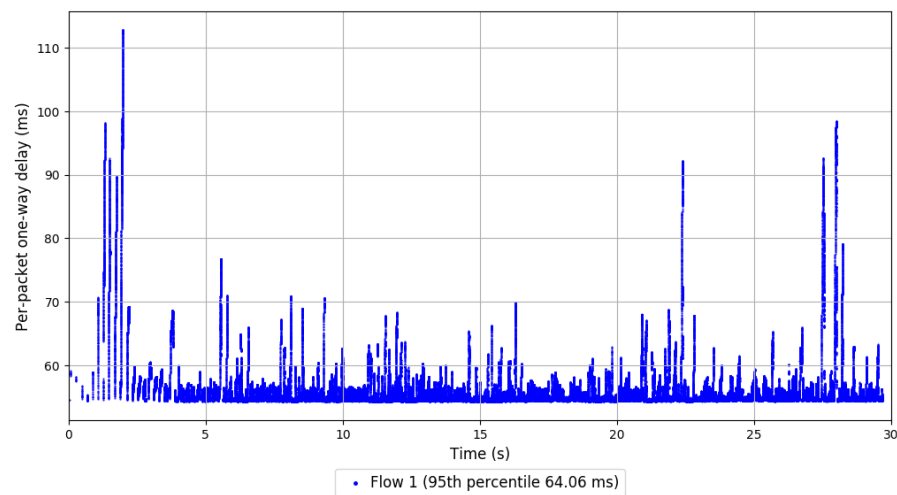
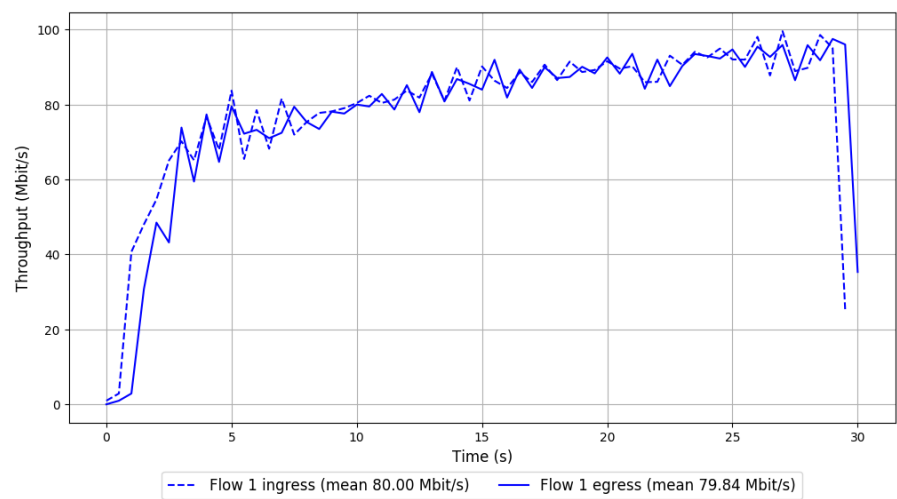


Run 3: Statistics of Indigo

Start at: 2019-01-21 06:18:58  
End at: 2019-01-21 06:19:28  
Local clock offset: -0.7 ms  
Remote clock offset: -44.328 ms

# Below is generated by plot.py at 2019-01-21 08:58:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 79.84 Mbit/s  
95th percentile per-packet one-way delay: 64.057 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 79.84 Mbit/s  
95th percentile per-packet one-way delay: 64.057 ms  
Loss rate: 0.20%

Run 3: Report of Indigo — Data Link



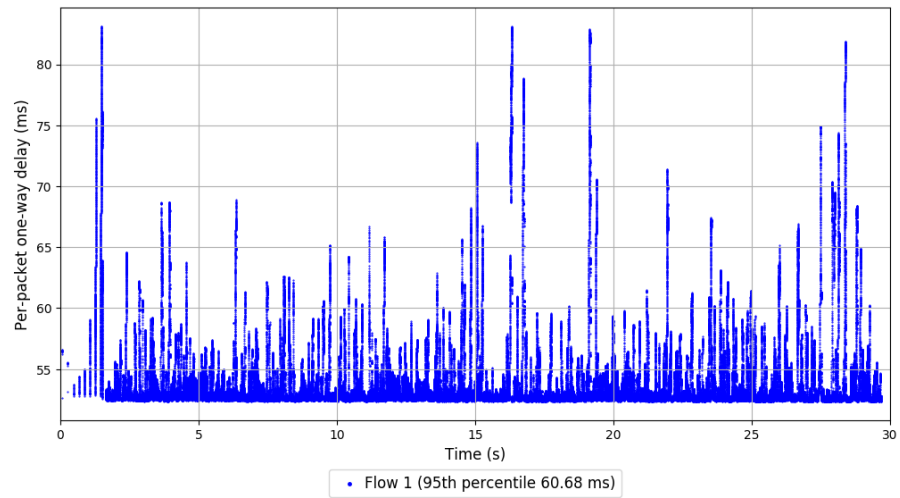
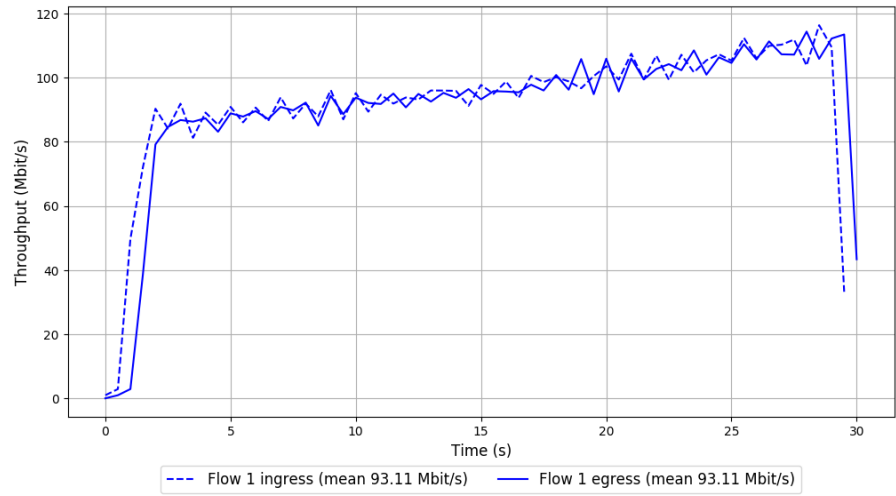


Run 4: Statistics of Indigo

Start at: 2019-01-21 07:03:24  
End at: 2019-01-21 07:03:54  
Local clock offset: 0.938 ms  
Remote clock offset: -44.974 ms

# Below is generated by plot.py at 2019-01-21 08:58:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.11 Mbit/s  
95th percentile per-packet one-way delay: 60.683 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 93.11 Mbit/s  
95th percentile per-packet one-way delay: 60.683 ms  
Loss rate: 0.00%

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

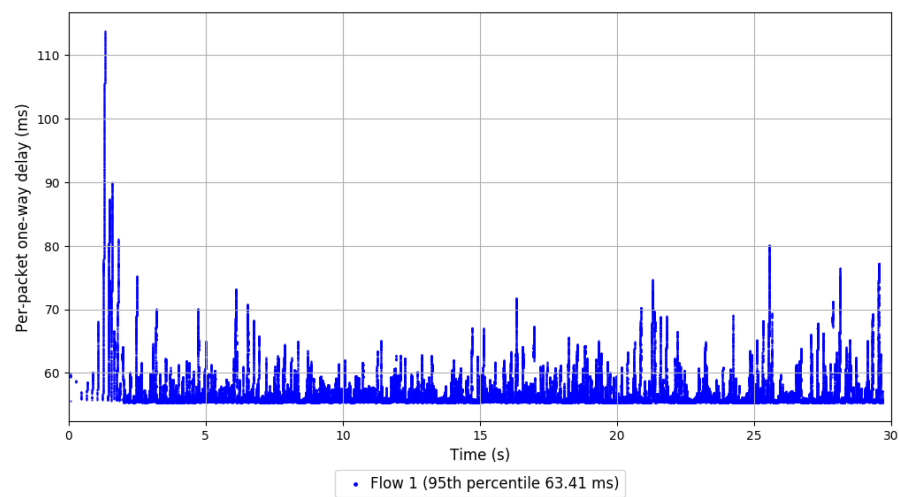
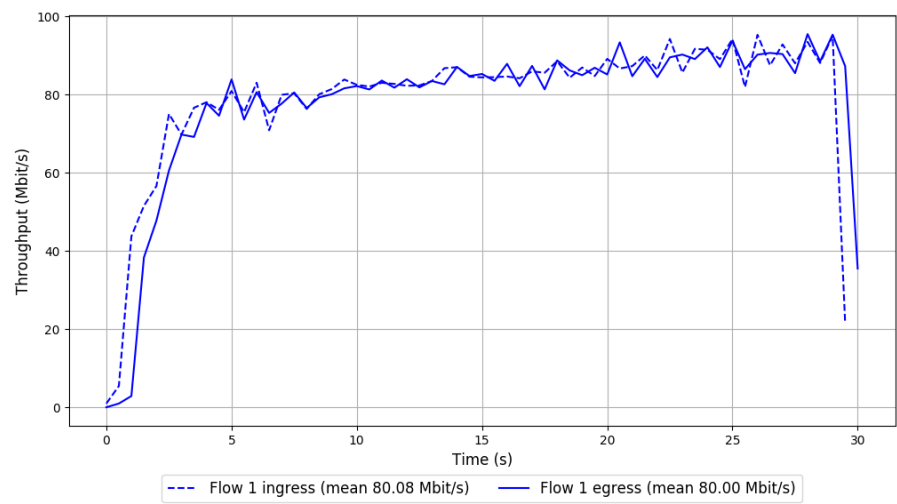


Run 5: Statistics of Indigo

Start at: 2019-01-21 08:10:09  
End at: 2019-01-21 08:10:39  
Local clock offset: 0.323 ms  
Remote clock offset: -43.562 ms

# Below is generated by plot.py at 2019-01-21 08:58:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 80.00 Mbit/s  
95th percentile per-packet one-way delay: 63.406 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 80.00 Mbit/s  
95th percentile per-packet one-way delay: 63.406 ms  
Loss rate: 0.09%

Run 5: Report of Indigo — Data Link

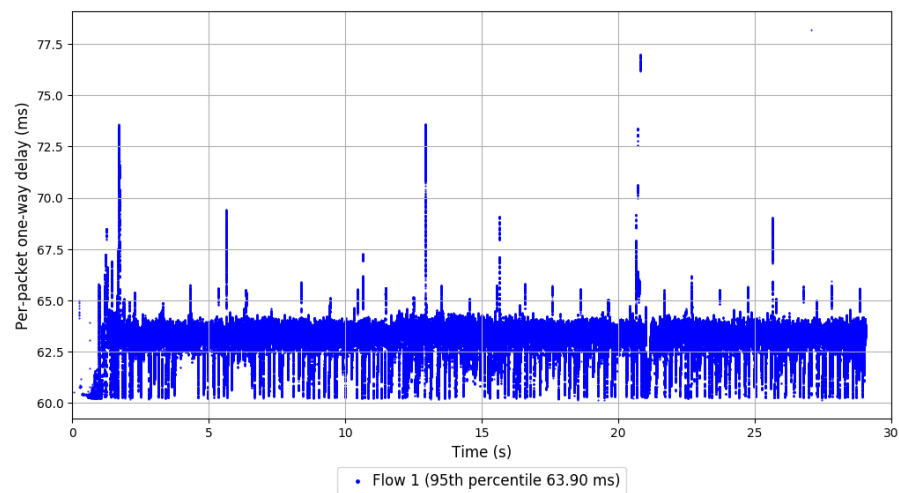
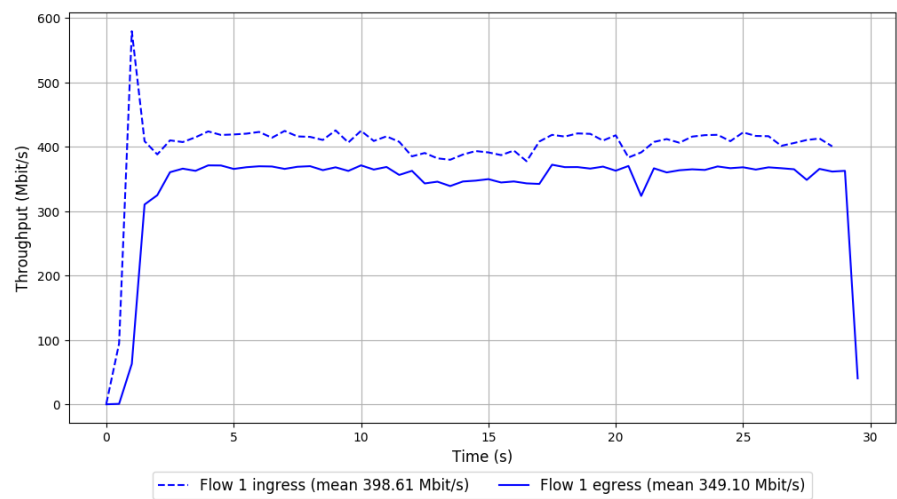


Run 1: Statistics of Indigo-MusesC3

Start at: 2019-01-21 04:56:42  
End at: 2019-01-21 04:57:12  
Local clock offset: 1.524 ms  
Remote clock offset: -38.954 ms

# Below is generated by plot.py at 2019-01-21 08:58:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 349.10 Mbit/s  
95th percentile per-packet one-way delay: 63.900 ms  
Loss rate: 12.41%  
-- Flow 1:  
Average throughput: 349.10 Mbit/s  
95th percentile per-packet one-way delay: 63.900 ms  
Loss rate: 12.41%

Run 1: Report of Indigo-MusesC3 — Data Link

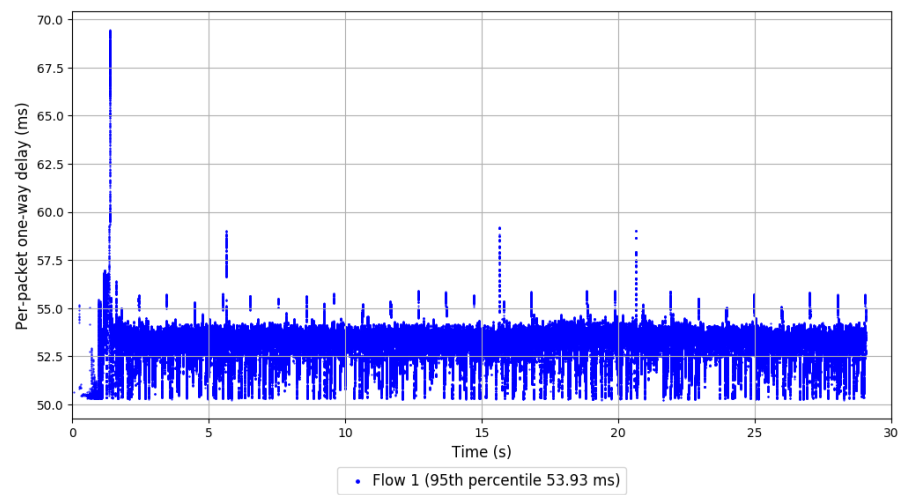
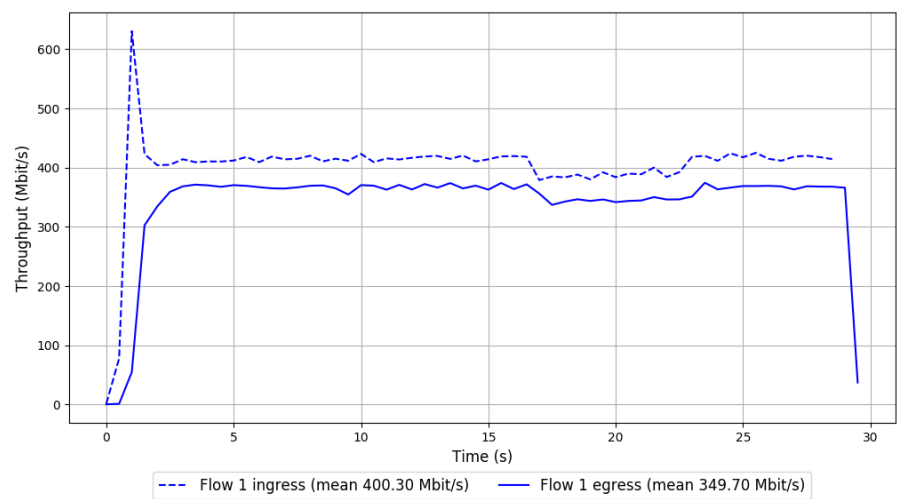


Run 2: Statistics of Indigo-MusesC3

Start at: 2019-01-21 05:29:29  
End at: 2019-01-21 05:29:59  
Local clock offset: 2.027 ms  
Remote clock offset: -47.035 ms

# Below is generated by plot.py at 2019-01-21 08:58:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 349.70 Mbit/s  
95th percentile per-packet one-way delay: 53.930 ms  
Loss rate: 12.63%  
-- Flow 1:  
Average throughput: 349.70 Mbit/s  
95th percentile per-packet one-way delay: 53.930 ms  
Loss rate: 12.63%

Run 2: Report of Indigo-MusesC3 — Data Link



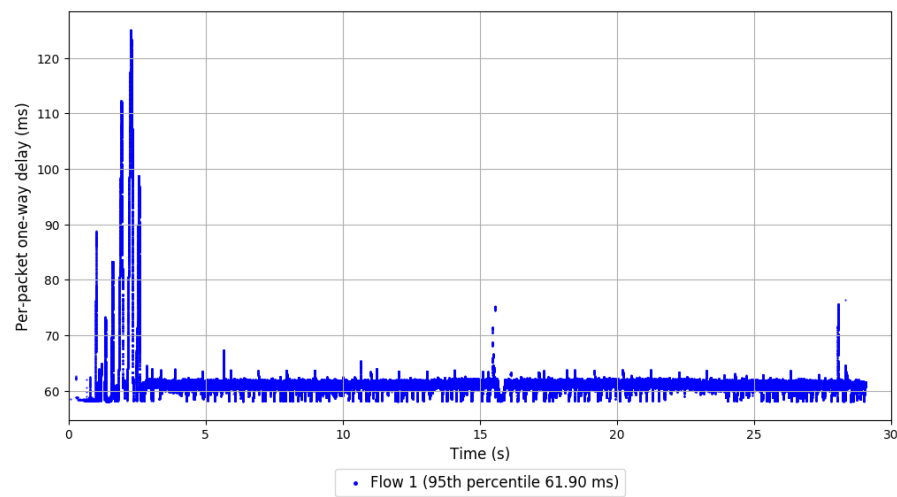
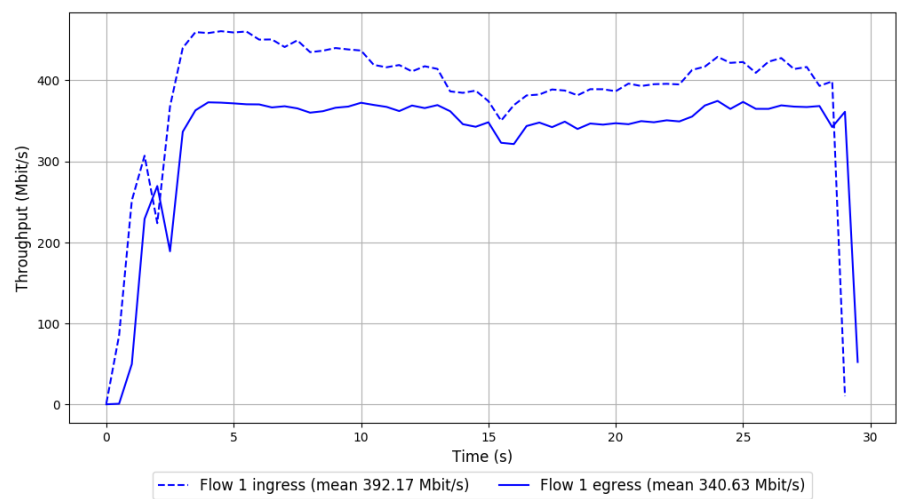


Run 3: Statistics of Indigo-MusesC3

Start at: 2019-01-21 06:02:44  
End at: 2019-01-21 06:03:14  
Local clock offset: -3.489 ms  
Remote clock offset: -42.902 ms

# Below is generated by plot.py at 2019-01-21 08:58:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 340.63 Mbit/s  
95th percentile per-packet one-way delay: 61.897 ms  
Loss rate: 13.13%  
-- Flow 1:  
Average throughput: 340.63 Mbit/s  
95th percentile per-packet one-way delay: 61.897 ms  
Loss rate: 13.13%

Run 3: Report of Indigo-MusesC3 — Data Link

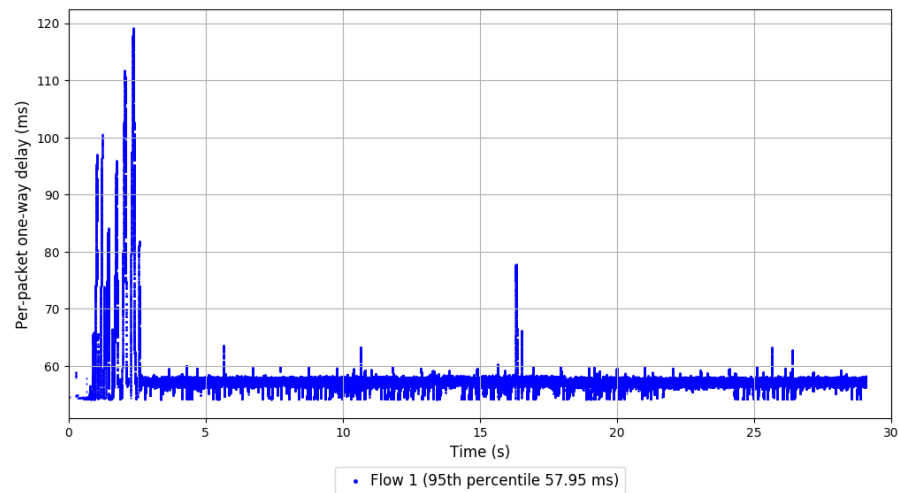
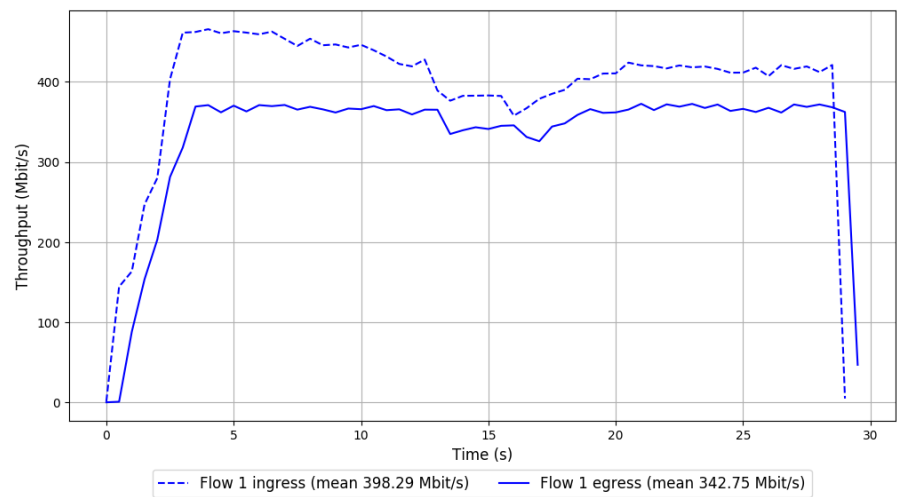


Run 4: Statistics of Indigo-MusesC3

Start at: 2019-01-21 06:41:23  
End at: 2019-01-21 06:41:53  
Local clock offset: 0.35 ms  
Remote clock offset: -45.545 ms

# Below is generated by plot.py at 2019-01-21 08:58:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 342.75 Mbit/s  
95th percentile per-packet one-way delay: 57.947 ms  
Loss rate: 13.94%  
-- Flow 1:  
Average throughput: 342.75 Mbit/s  
95th percentile per-packet one-way delay: 57.947 ms  
Loss rate: 13.94%

Run 4: Report of Indigo-MusesC3 — Data Link

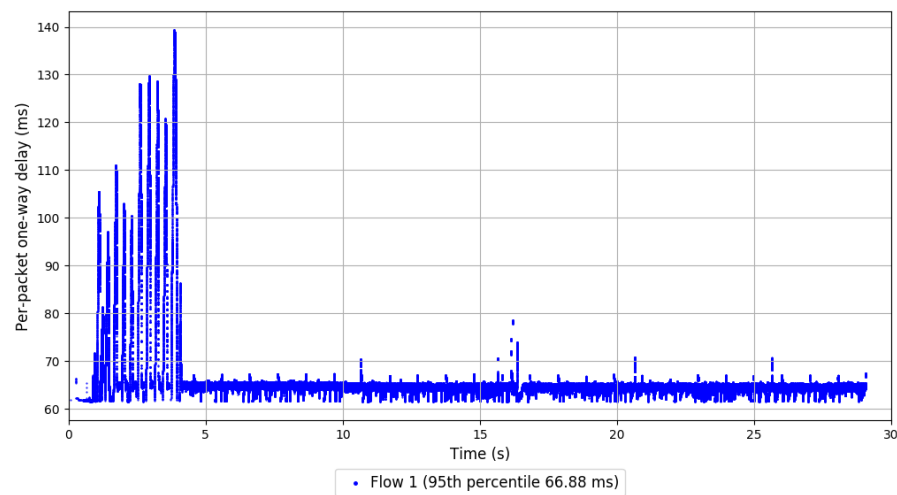
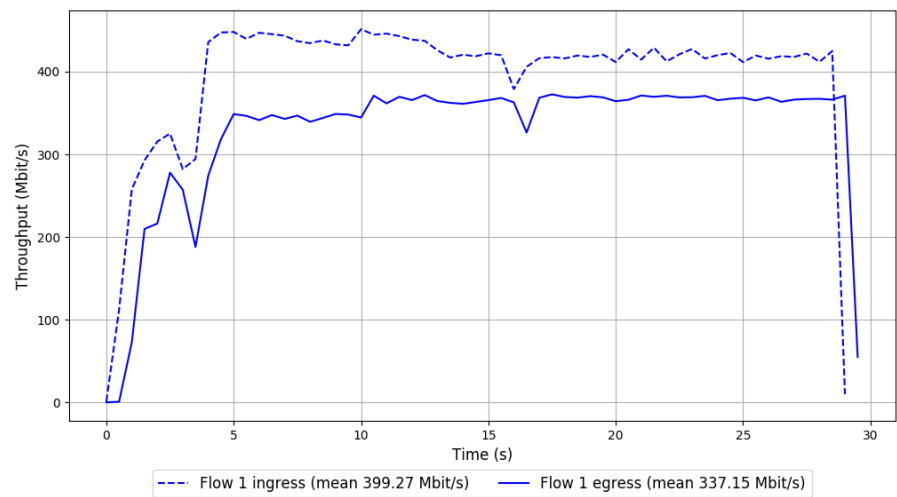


Run 5: Statistics of Indigo-MusesC3

Start at: 2019-01-21 07:42:39  
End at: 2019-01-21 07:43:09  
Local clock offset: -2.609 ms  
Remote clock offset: -38.771 ms

# Below is generated by plot.py at 2019-01-21 08:58:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 337.15 Mbit/s  
95th percentile per-packet one-way delay: 66.883 ms  
Loss rate: 15.55%  
-- Flow 1:  
Average throughput: 337.15 Mbit/s  
95th percentile per-packet one-way delay: 66.883 ms  
Loss rate: 15.55%

Run 5: Report of Indigo-MusesC3 — Data Link

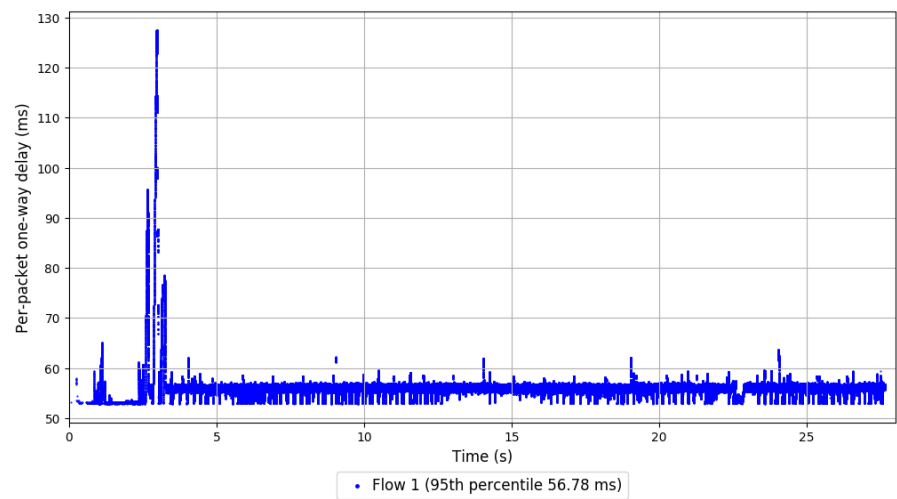
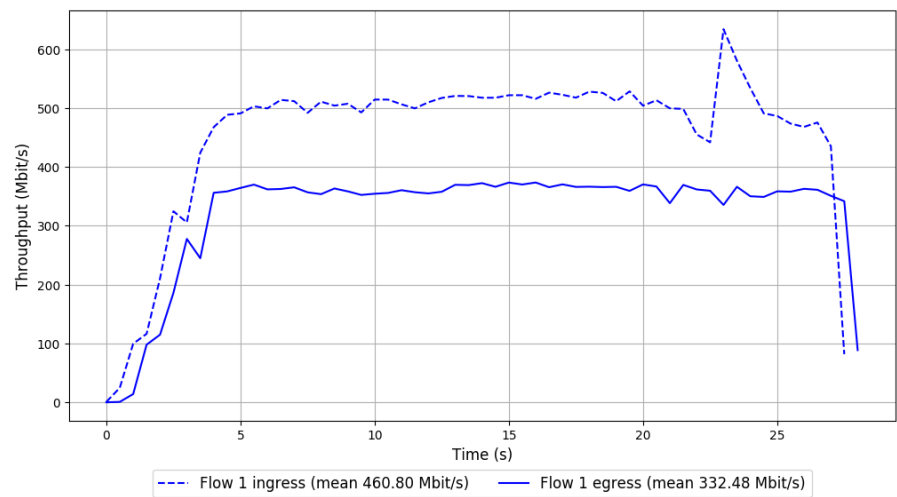


Run 1: Statistics of Indigo-MusesC5

Start at: 2019-01-21 04:53:46  
End at: 2019-01-21 04:54:16  
Local clock offset: 1.924 ms  
Remote clock offset: -45.809 ms

# Below is generated by plot.py at 2019-01-21 08:58:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 332.48 Mbit/s  
95th percentile per-packet one-way delay: 56.778 ms  
Loss rate: 27.84%  
-- Flow 1:  
Average throughput: 332.48 Mbit/s  
95th percentile per-packet one-way delay: 56.778 ms  
Loss rate: 27.84%

Run 1: Report of Indigo-MusesC5 — Data Link



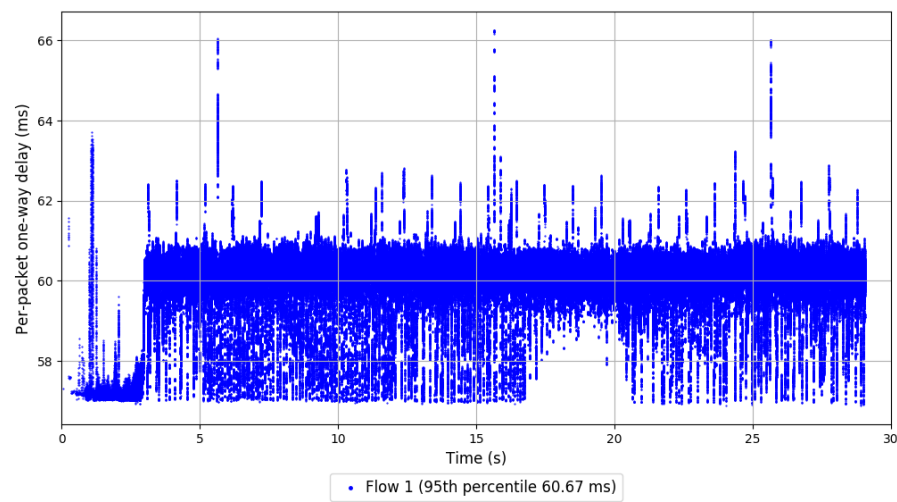
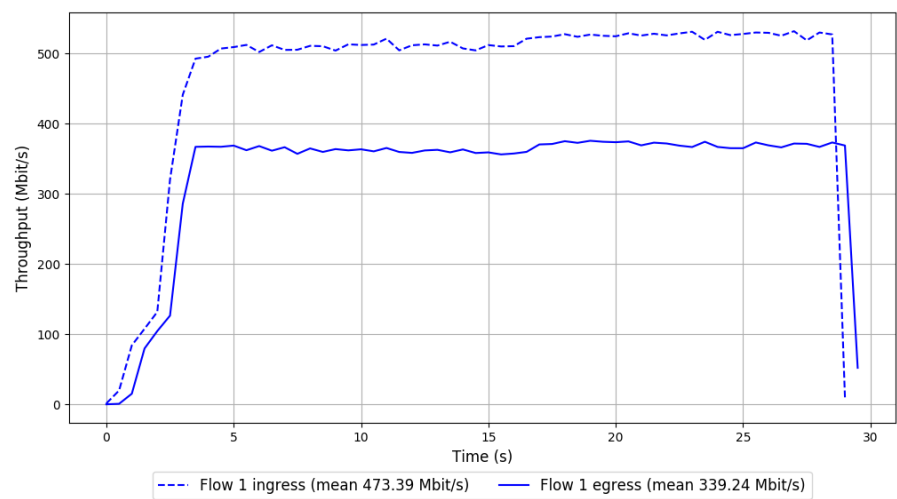


Run 2: Statistics of Indigo-MusesC5

Start at: 2019-01-21 05:21:14  
End at: 2019-01-21 05:21:44  
Local clock offset: 1.129 ms  
Remote clock offset: -42.223 ms

# Below is generated by plot.py at 2019-01-21 09:01:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 339.24 Mbit/s  
95th percentile per-packet one-way delay: 60.669 ms  
Loss rate: 28.33%  
-- Flow 1:  
Average throughput: 339.24 Mbit/s  
95th percentile per-packet one-way delay: 60.669 ms  
Loss rate: 28.33%

Run 2: Report of Indigo-MusesC5 — Data Link

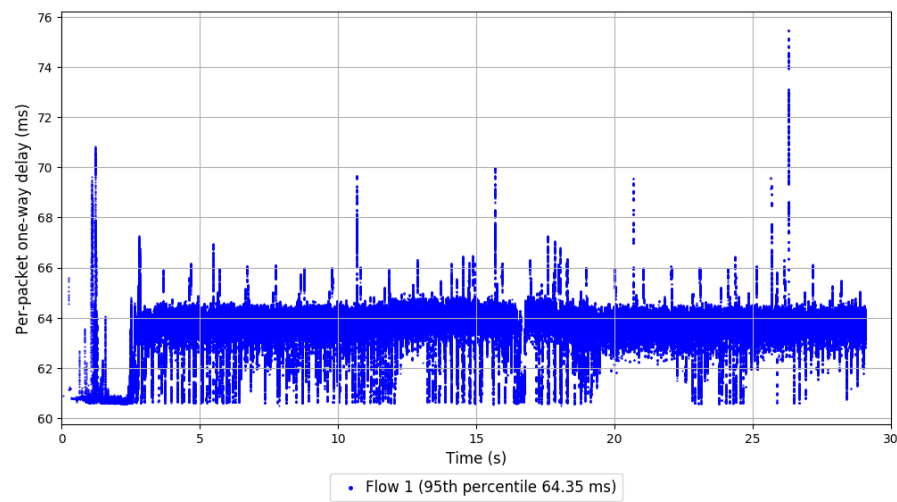
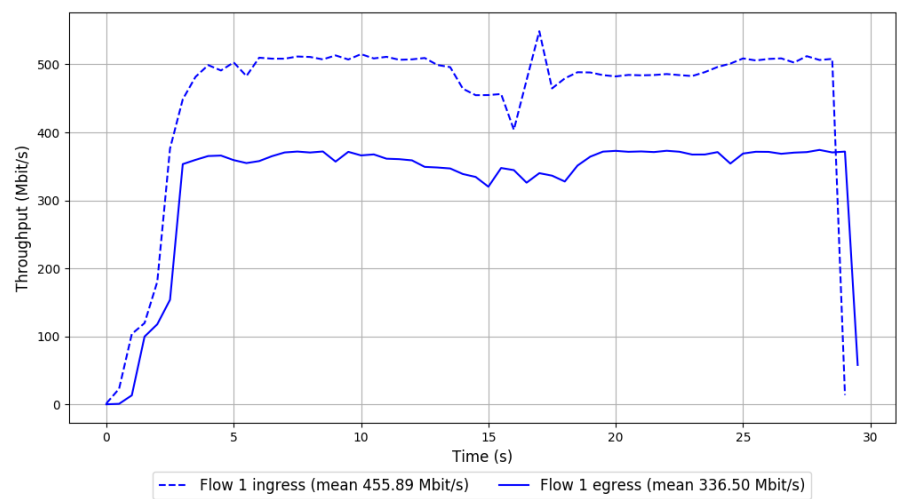


Run 3: Statistics of Indigo-MusesC5

Start at: 2019-01-21 05:59:48  
End at: 2019-01-21 06:00:18  
Local clock offset: -1.661 ms  
Remote clock offset: -38.918 ms

# Below is generated by plot.py at 2019-01-21 09:01:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 336.50 Mbit/s  
95th percentile per-packet one-way delay: 64.349 ms  
Loss rate: 26.18%  
-- Flow 1:  
Average throughput: 336.50 Mbit/s  
95th percentile per-packet one-way delay: 64.349 ms  
Loss rate: 26.18%

Run 3: Report of Indigo-MusesC5 — Data Link

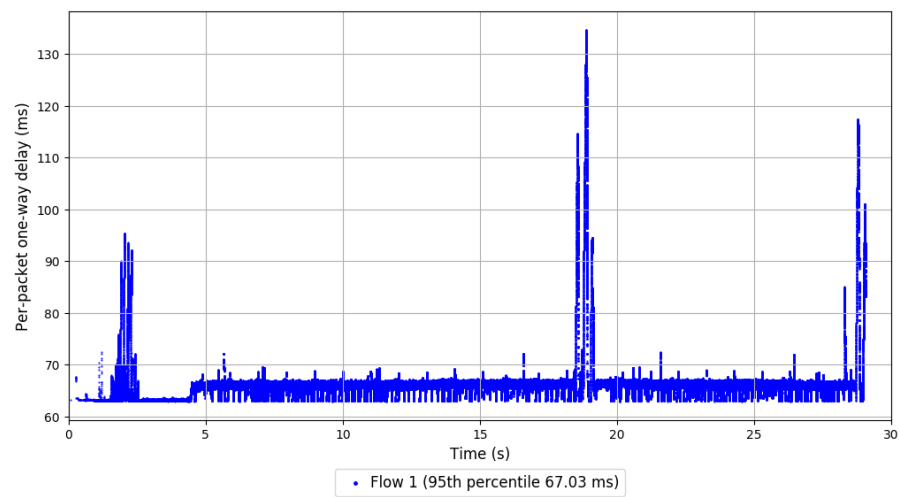
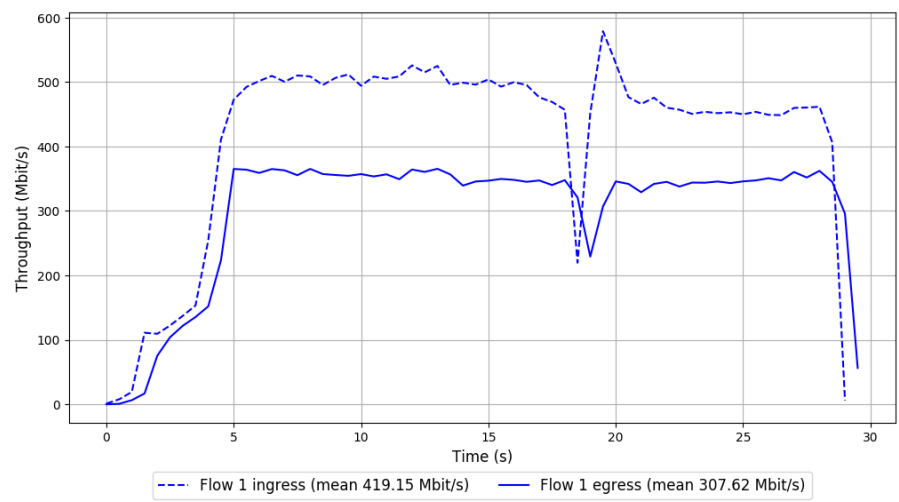


Run 4: Statistics of Indigo-MusesC5

Start at: 2019-01-21 06:32:57  
End at: 2019-01-21 06:33:28  
Local clock offset: -0.487 ms  
Remote clock offset: -40.079 ms

# Below is generated by plot.py at 2019-01-21 09:01:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 307.62 Mbit/s  
95th percentile per-packet one-way delay: 67.035 ms  
Loss rate: 26.60%  
-- Flow 1:  
Average throughput: 307.62 Mbit/s  
95th percentile per-packet one-way delay: 67.035 ms  
Loss rate: 26.60%

Run 4: Report of Indigo-MusesC5 — Data Link

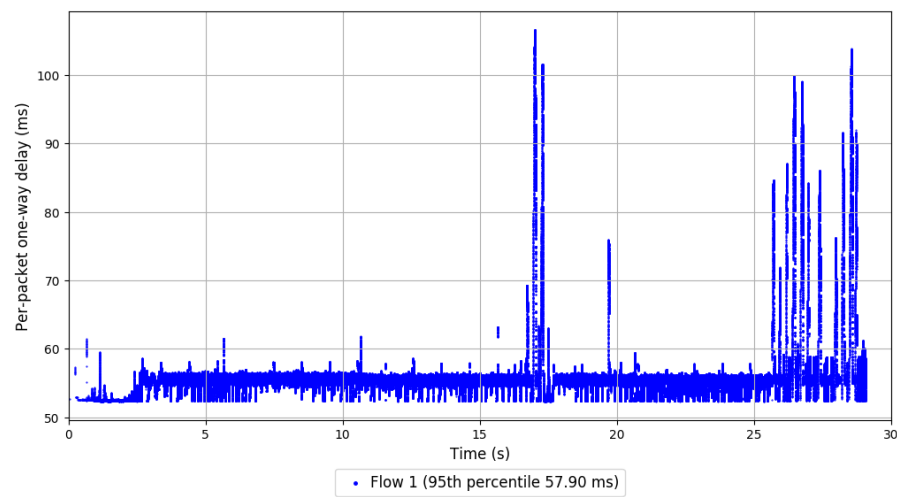
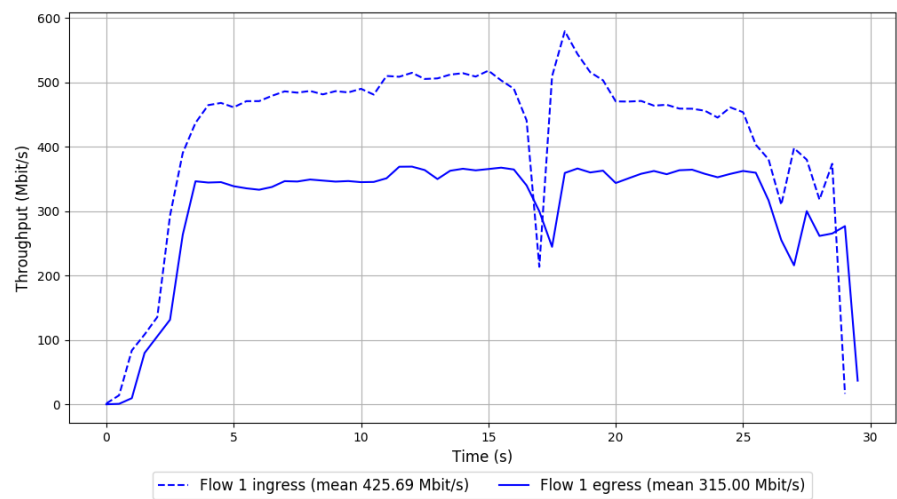


Run 5: Statistics of Indigo-MusesC5

Start at: 2019-01-21 07:39:44  
End at: 2019-01-21 07:40:14  
Local clock offset: 0.125 ms  
Remote clock offset: -45.231 ms

# Below is generated by plot.py at 2019-01-21 09:01:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 315.00 Mbit/s  
95th percentile per-packet one-way delay: 57.897 ms  
Loss rate: 25.99%  
-- Flow 1:  
Average throughput: 315.00 Mbit/s  
95th percentile per-packet one-way delay: 57.897 ms  
Loss rate: 25.99%

Run 5: Report of Indigo-MusesC5 — Data Link



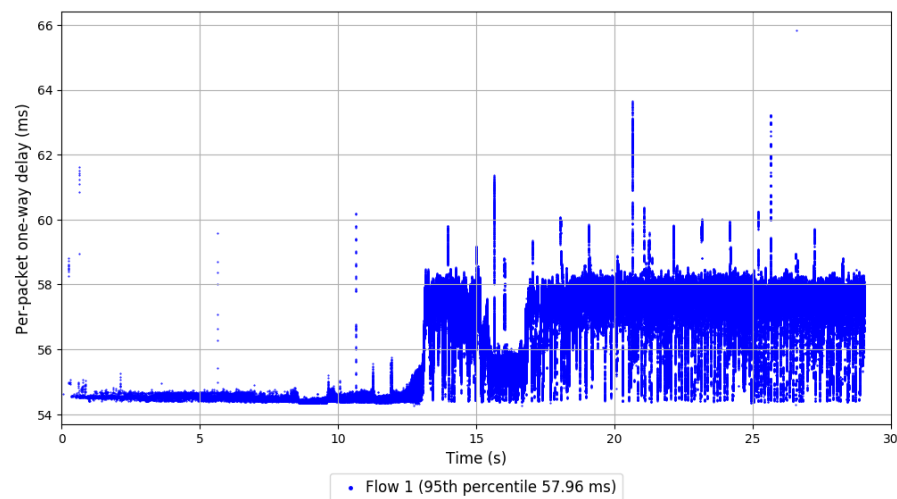
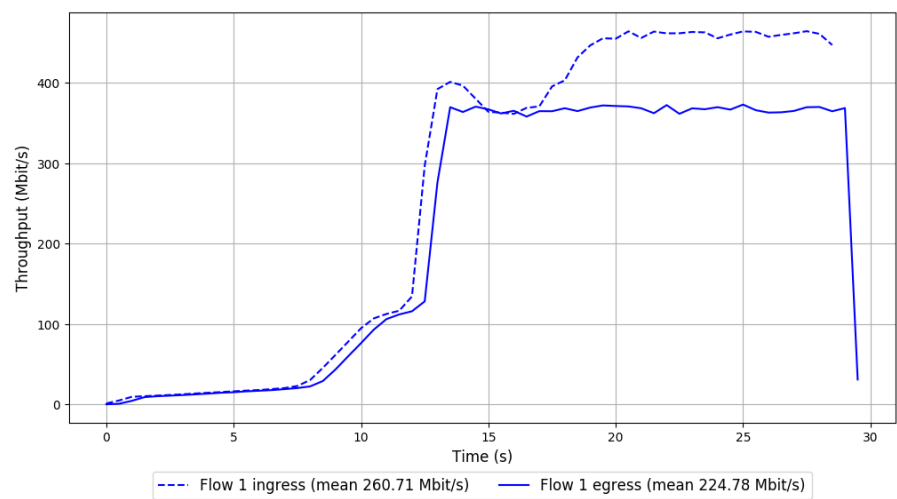


```
Run 1: Statistics of Indigo-MusesD

Start at: 2019-01-21 04:55:21
End at: 2019-01-21 04:55:51
Local clock offset: 1.19 ms
Remote clock offset: -45.223 ms

# Below is generated by plot.py at 2019-01-21 09:01:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 224.78 Mbit/s
95th percentile per-packet one-way delay: 57.964 ms
Loss rate: 13.77%
-- Flow 1:
Average throughput: 224.78 Mbit/s
95th percentile per-packet one-way delay: 57.964 ms
Loss rate: 13.77%
```

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-01-21 05:22:41

End at: 2019-01-21 05:23:11

Local clock offset: -0.499 ms

Remote clock offset: -46.188 ms

# Below is generated by plot.py at 2019-01-21 09:01:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 208.04 Mbit/s

95th percentile per-packet one-way delay: 58.230 ms

Loss rate: 13.79%

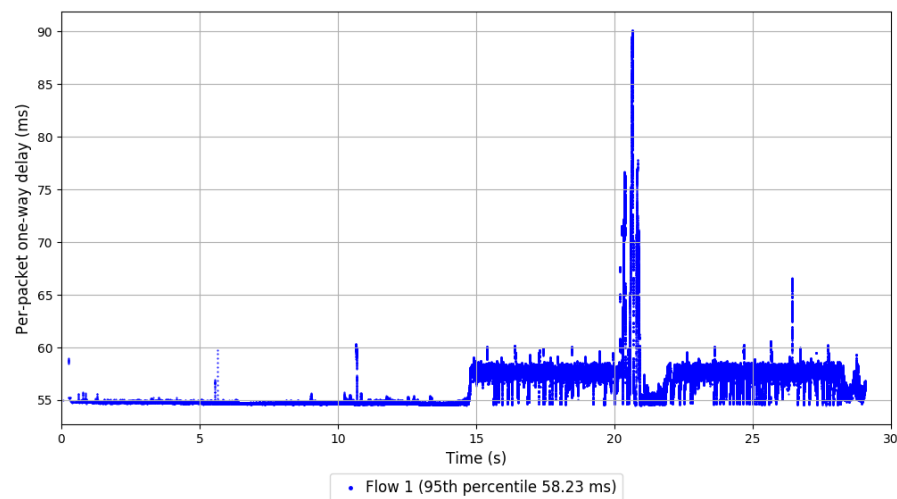
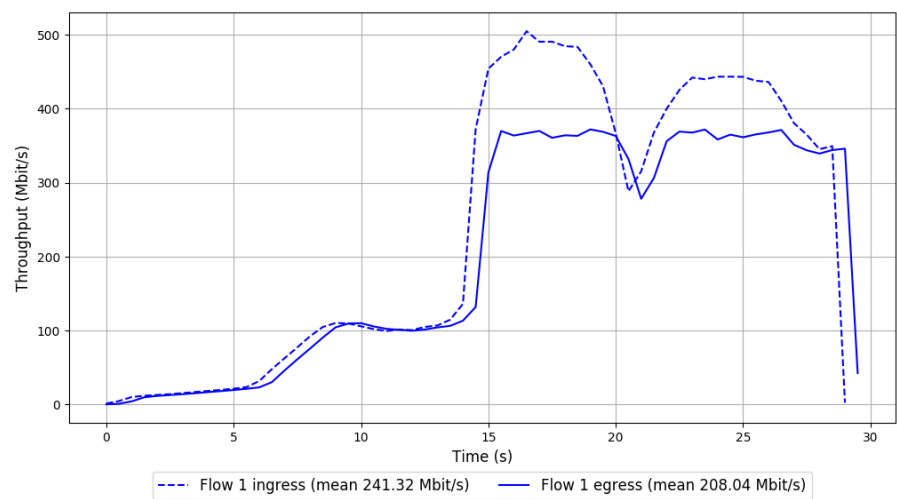
-- Flow 1:

Average throughput: 208.04 Mbit/s

95th percentile per-packet one-way delay: 58.230 ms

Loss rate: 13.79%

Run 2: Report of Indigo-MusesD — Data Link

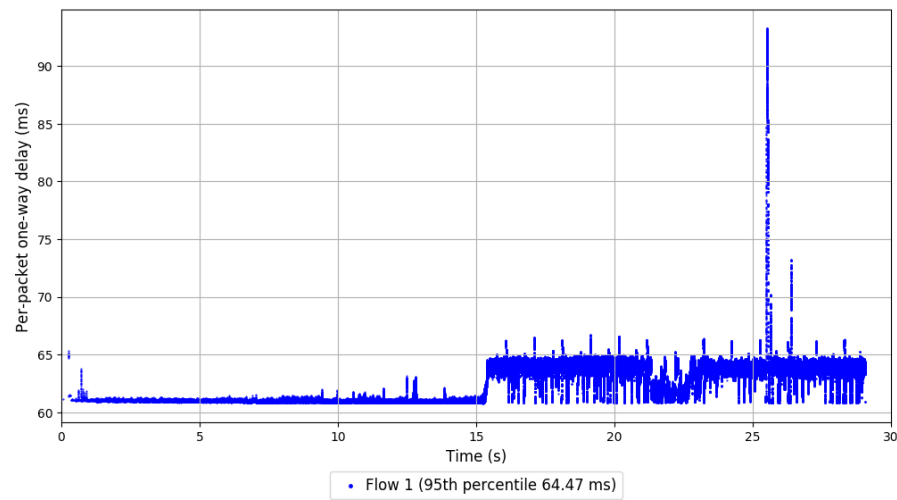
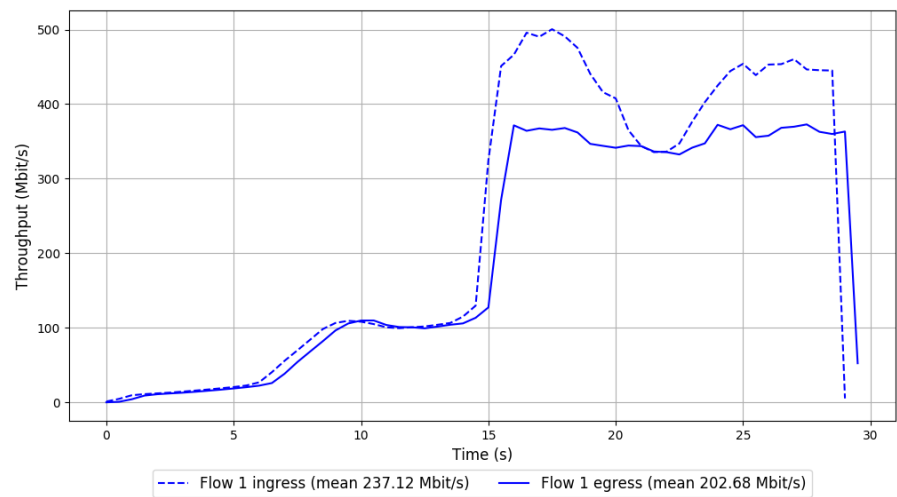


Run 3: Statistics of Indigo-MusesD

Start at: 2019-01-21 06:01:24  
End at: 2019-01-21 06:01:54  
Local clock offset: -3.69 ms  
Remote clock offset: -40.647 ms

# Below is generated by plot.py at 2019-01-21 09:01:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 202.68 Mbit/s  
95th percentile per-packet one-way delay: 64.470 ms  
Loss rate: 14.52%  
-- Flow 1:  
Average throughput: 202.68 Mbit/s  
95th percentile per-packet one-way delay: 64.470 ms  
Loss rate: 14.52%

Run 3: Report of Indigo-MusesD — Data Link

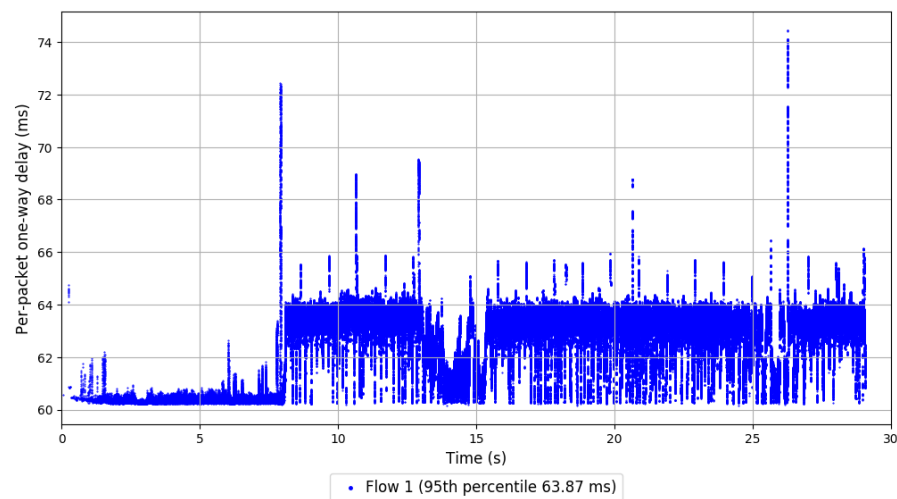
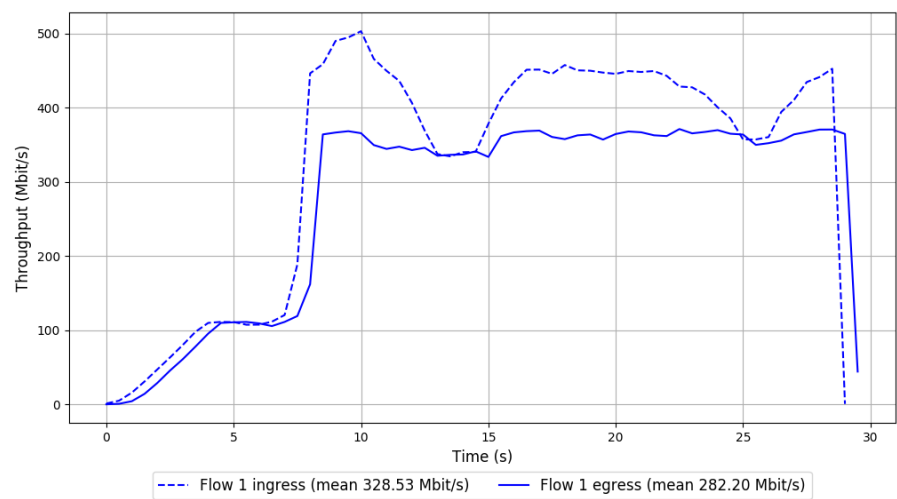


Run 4: Statistics of Indigo-MusesD

Start at: 2019-01-21 06:39:50  
End at: 2019-01-21 06:40:20  
Local clock offset: -0.414 ms  
Remote clock offset: -40.226 ms

# Below is generated by plot.py at 2019-01-21 09:01:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 282.20 Mbit/s  
95th percentile per-packet one-way delay: 63.872 ms  
Loss rate: 14.10%  
-- Flow 1:  
Average throughput: 282.20 Mbit/s  
95th percentile per-packet one-way delay: 63.872 ms  
Loss rate: 14.10%

Run 4: Report of Indigo-MusesD — Data Link



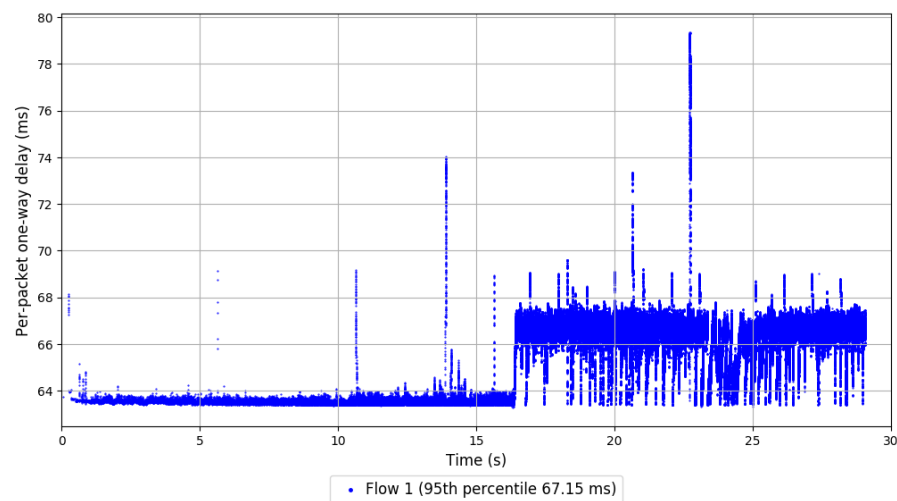
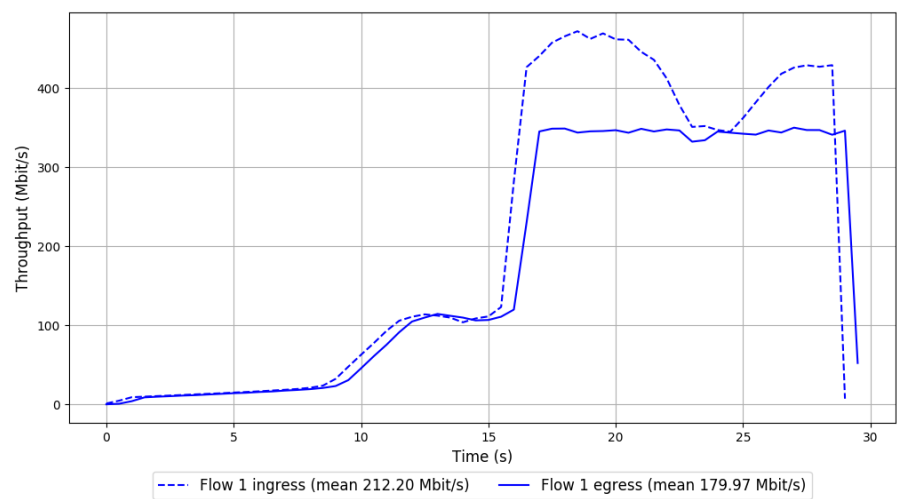


Run 5: Statistics of Indigo-MusesD

Start at: 2019-01-21 07:41:20  
End at: 2019-01-21 07:41:50  
Local clock offset: -1.116 ms  
Remote clock offset: -35.635 ms

# Below is generated by plot.py at 2019-01-21 09:02:22  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 179.97 Mbit/s  
95th percentile per-packet one-way delay: 67.147 ms  
Loss rate: 15.18%  
-- Flow 1:  
Average throughput: 179.97 Mbit/s  
95th percentile per-packet one-way delay: 67.147 ms  
Loss rate: 15.18%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MusesT

Start at: 2019-01-21 05:13:29

End at: 2019-01-21 05:13:59

Local clock offset: 1.754 ms

Remote clock offset: -46.319 ms

# Below is generated by plot.py at 2019-01-21 09:04:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 334.54 Mbit/s

95th percentile per-packet one-way delay: 57.458 ms

Loss rate: 11.05%

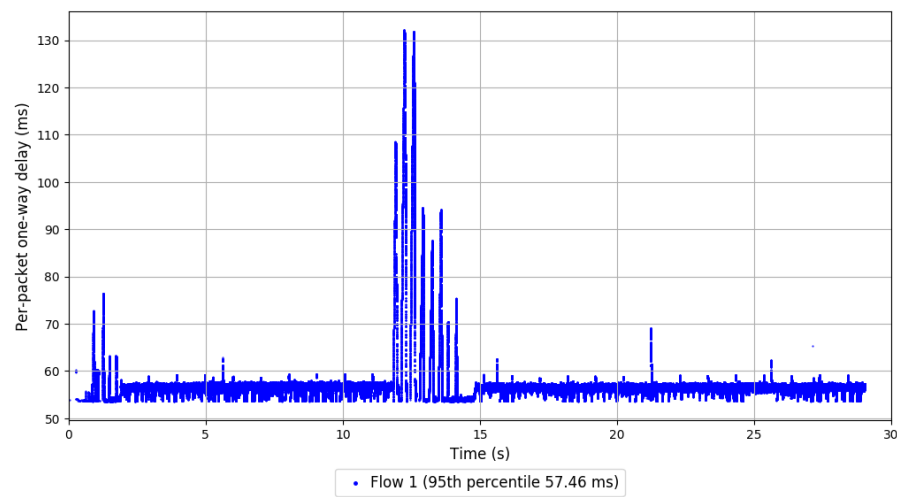
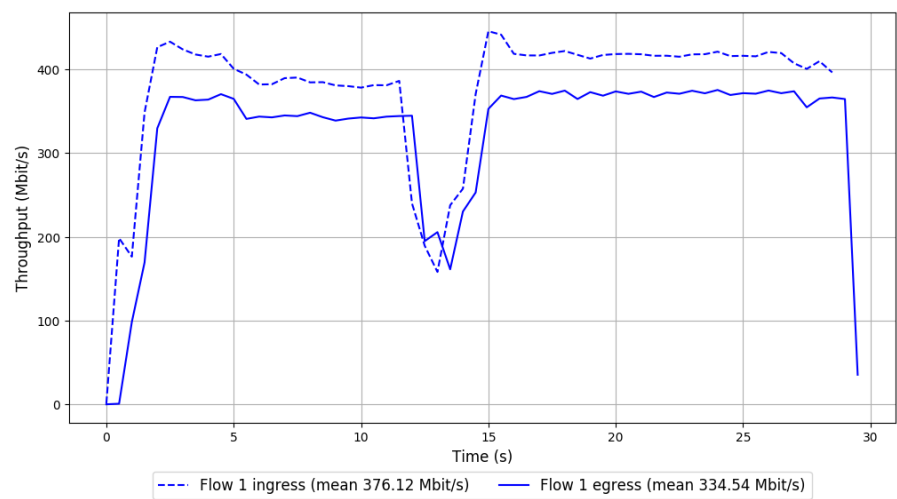
-- Flow 1:

Average throughput: 334.54 Mbit/s

95th percentile per-packet one-way delay: 57.458 ms

Loss rate: 11.05%

Run 1: Report of Indigo-MusesT — Data Link

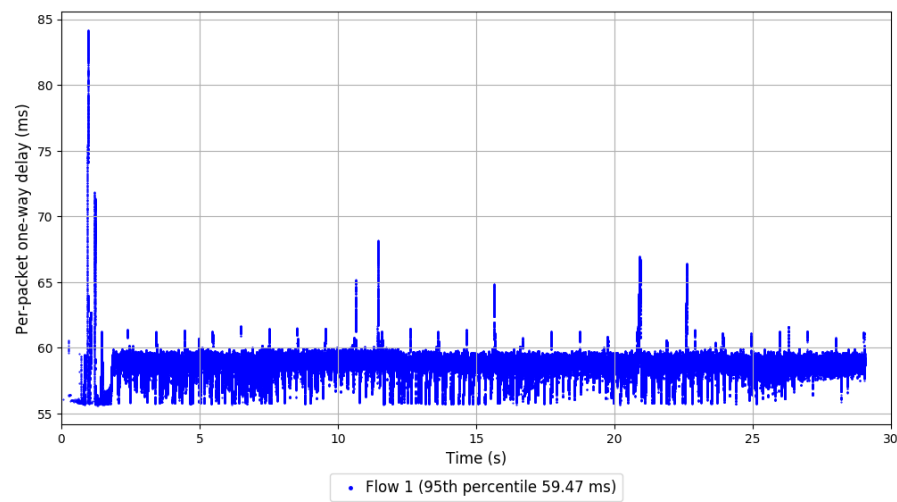
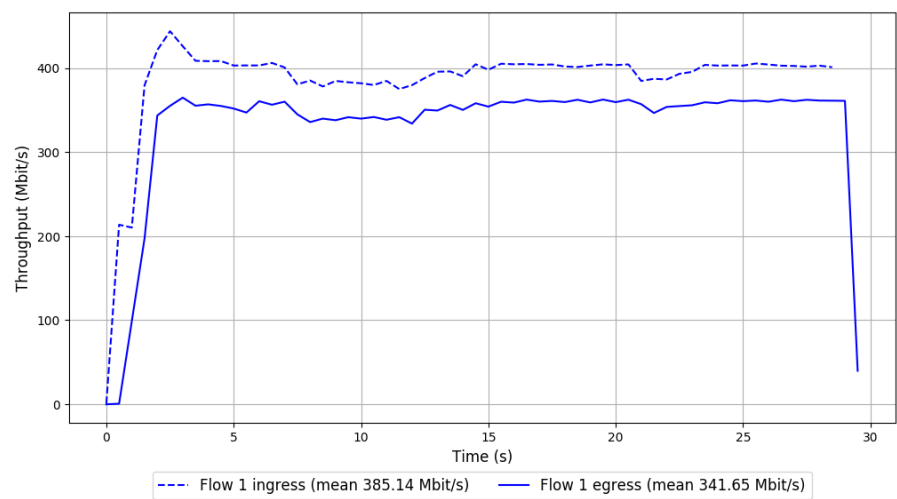


Run 2: Statistics of Indigo-MusesT

Start at: 2019-01-21 05:46:30  
End at: 2019-01-21 05:47:00  
Local clock offset: -2.918 ms  
Remote clock offset: -46.517 ms

# Below is generated by plot.py at 2019-01-21 09:04:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 341.65 Mbit/s  
95th percentile per-packet one-way delay: 59.465 ms  
Loss rate: 11.28%  
-- Flow 1:  
Average throughput: 341.65 Mbit/s  
95th percentile per-packet one-way delay: 59.465 ms  
Loss rate: 11.28%

Run 2: Report of Indigo-MusesT — Data Link

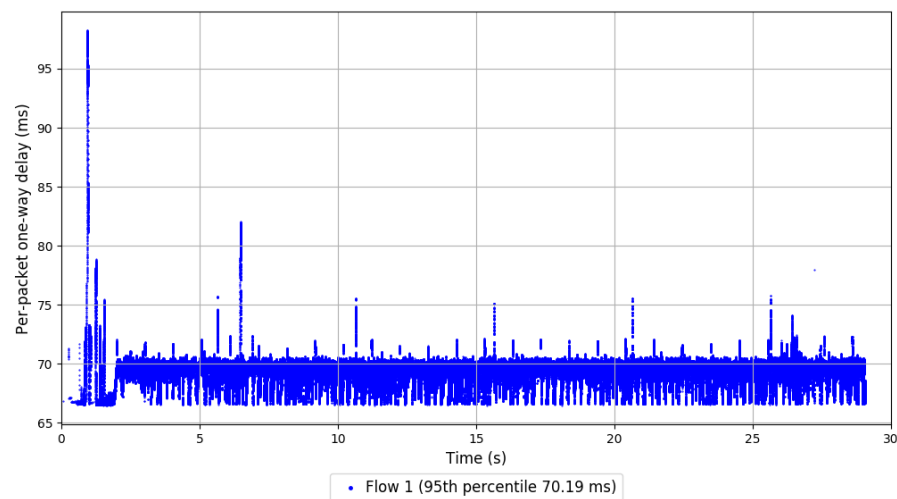
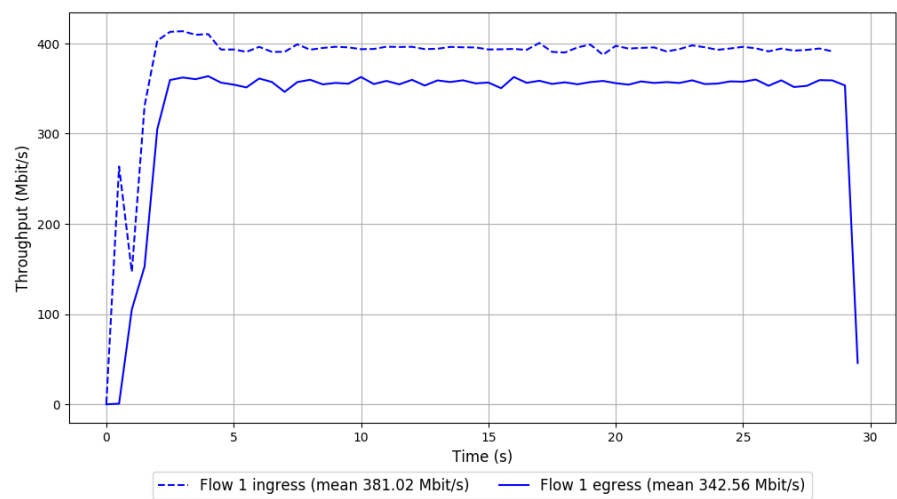


Run 3: Statistics of Indigo-MusesT

Start at: 2019-01-21 06:25:08  
End at: 2019-01-21 06:25:38  
Local clock offset: 0.455 ms  
Remote clock offset: -34.669 ms

# Below is generated by plot.py at 2019-01-21 09:04:49  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 342.56 Mbit/s  
95th percentile per-packet one-way delay: 70.195 ms  
Loss rate: 10.09%  
-- Flow 1:  
Average throughput: 342.56 Mbit/s  
95th percentile per-packet one-way delay: 70.195 ms  
Loss rate: 10.09%

Run 3: Report of Indigo-MusesT — Data Link





Run 4: Statistics of Indigo-MusesT

Start at: 2019-01-21 07:20:44

End at: 2019-01-21 07:21:14

Local clock offset: -2.292 ms

Remote clock offset: -45.617 ms

# Below is generated by plot.py at 2019-01-21 09:04:49

# Datalink statistics

-- Total of 1 flow:

Average throughput: 317.73 Mbit/s

95th percentile per-packet one-way delay: 61.017 ms

Loss rate: 10.55%

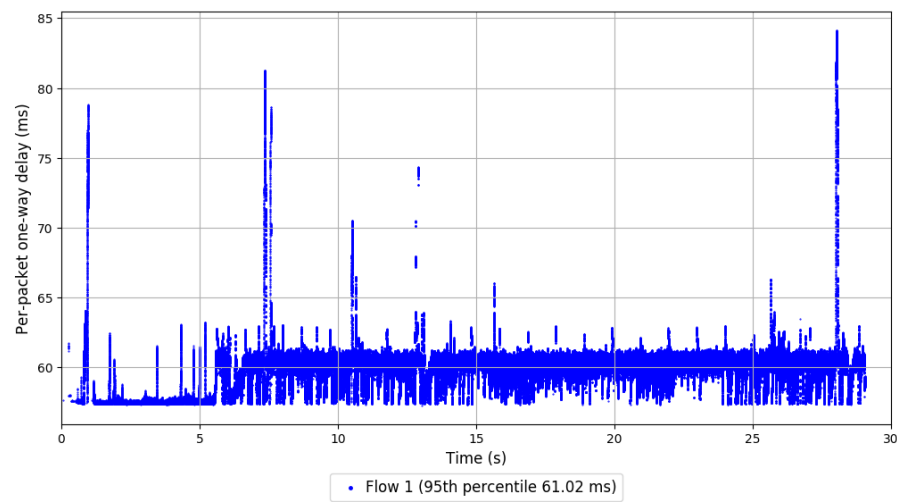
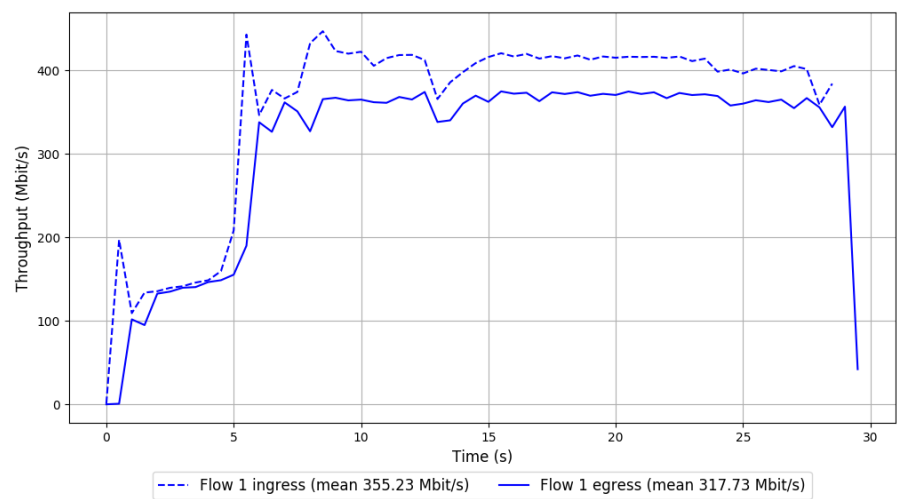
-- Flow 1:

Average throughput: 317.73 Mbit/s

95th percentile per-packet one-way delay: 61.017 ms

Loss rate: 10.55%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-01-21 08:21:51

End at: 2019-01-21 08:22:21

Local clock offset: 0.85 ms

Remote clock offset: -34.439 ms

# Below is generated by plot.py at 2019-01-21 09:04:54

# Datalink statistics

-- Total of 1 flow:

Average throughput: 326.91 Mbit/s

95th percentile per-packet one-way delay: 70.153 ms

Loss rate: 10.97%

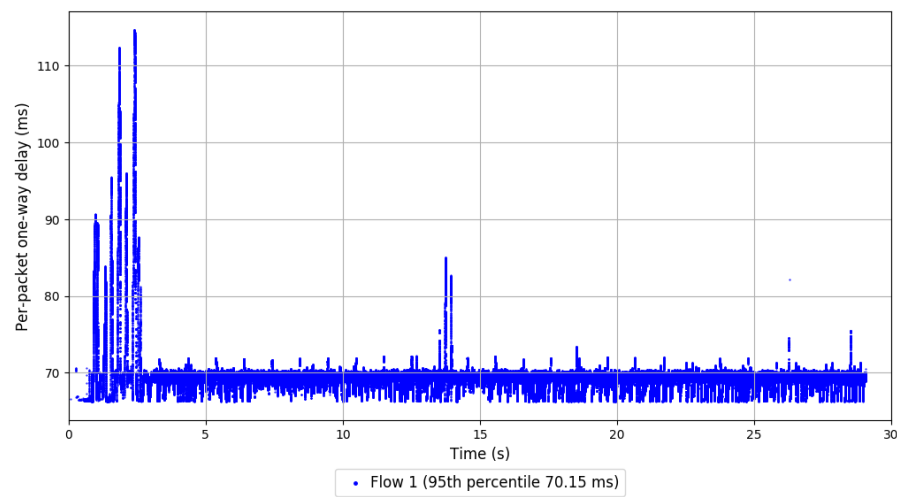
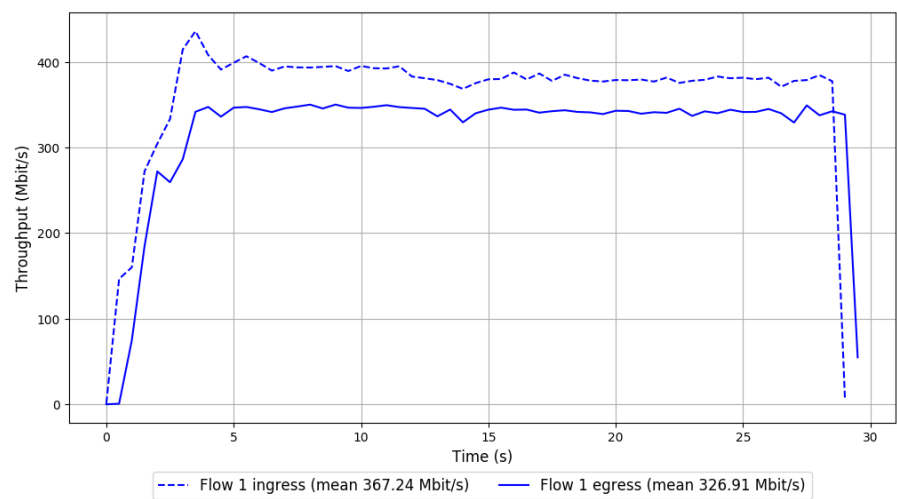
-- Flow 1:

Average throughput: 326.91 Mbit/s

95th percentile per-packet one-way delay: 70.153 ms

Loss rate: 10.97%

Run 5: Report of Indigo-MusesT — Data Link

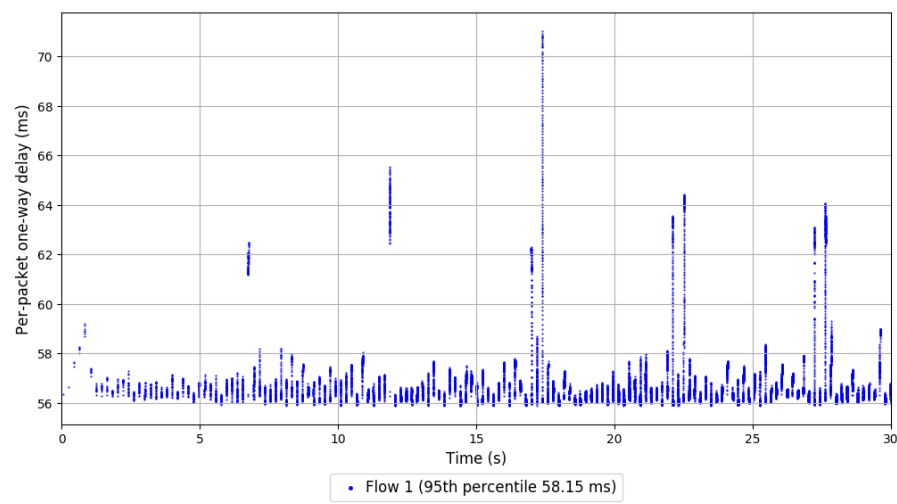
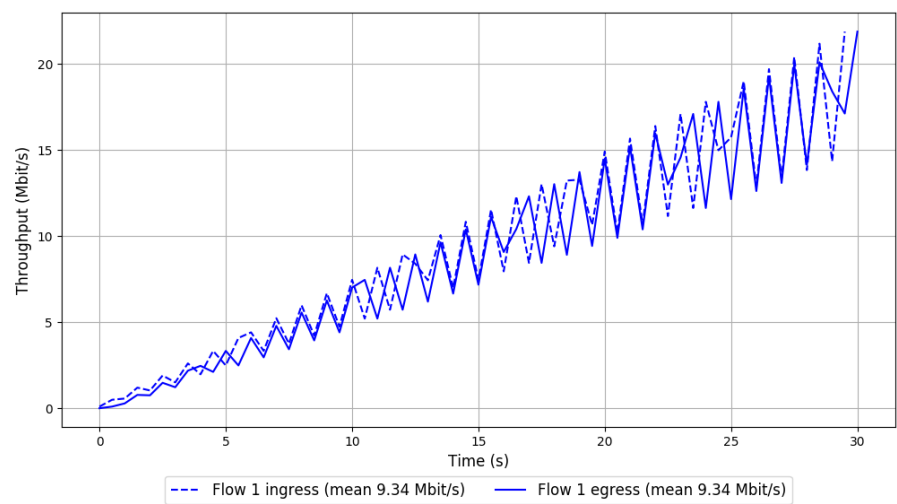


Run 1: Statistics of LEDBAT

Start at: 2019-01-21 05:02:19  
End at: 2019-01-21 05:02:49  
Local clock offset: 1.617 ms  
Remote clock offset: -45.845 ms

# Below is generated by plot.py at 2019-01-21 09:04:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 9.34 Mbit/s  
95th percentile per-packet one-way delay: 58.148 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 9.34 Mbit/s  
95th percentile per-packet one-way delay: 58.148 ms  
Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link

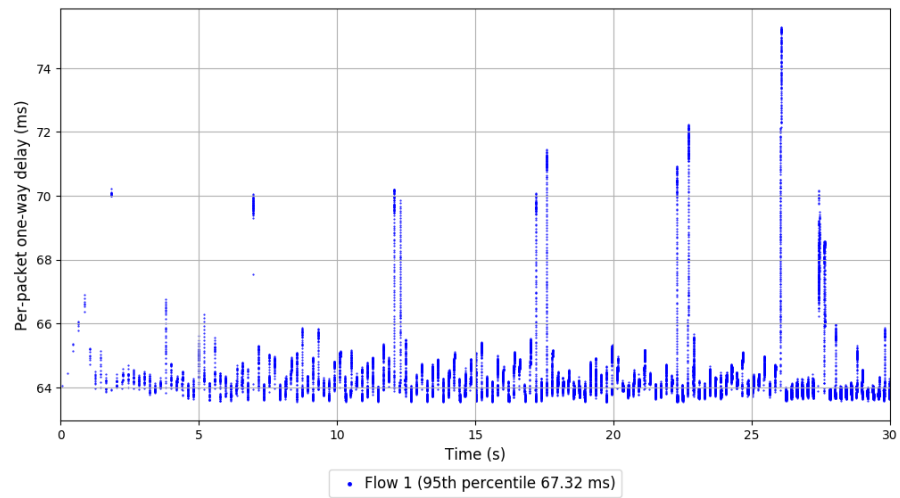
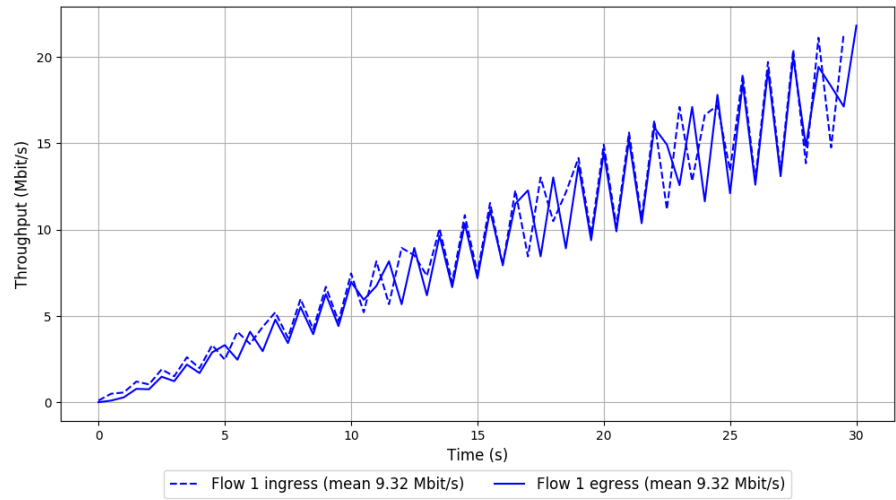


Run 2: Statistics of LEDBAT

Start at: 2019-01-21 05:35:18  
End at: 2019-01-21 05:35:48  
Local clock offset: -1.692 ms  
Remote clock offset: -39.819 ms

# Below is generated by plot.py at 2019-01-21 09:04:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 9.32 Mbit/s  
95th percentile per-packet one-way delay: 67.320 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 9.32 Mbit/s  
95th percentile per-packet one-way delay: 67.320 ms  
Loss rate: 0.00%

## Run 2: Report of LEDBAT — Data Link



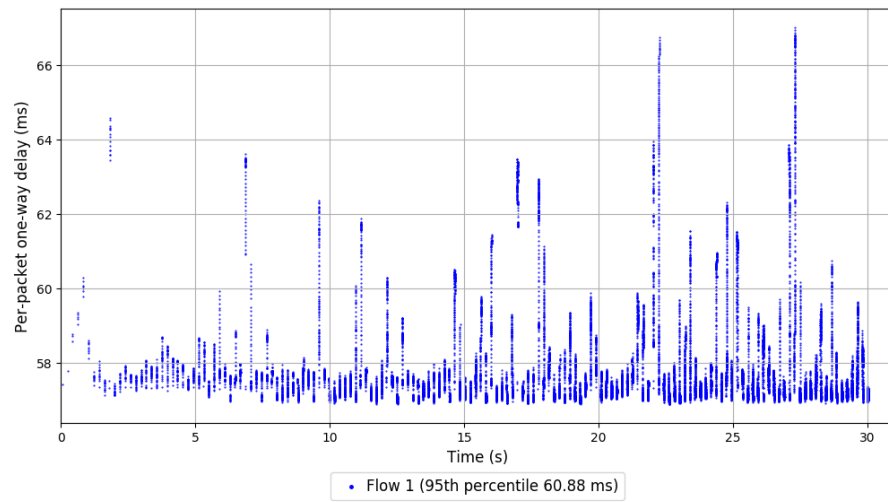
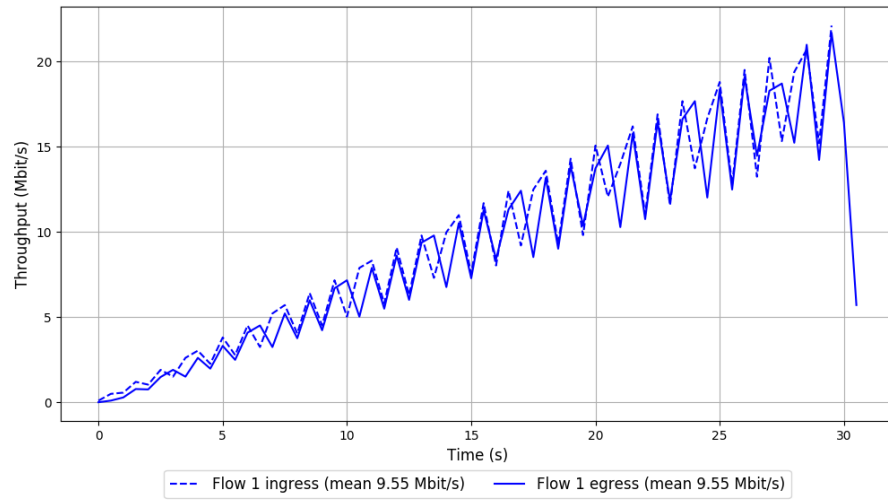


Run 3: Statistics of LEDBAT

Start at: 2019-01-21 06:13:55  
End at: 2019-01-21 06:14:26  
Local clock offset: -3.254 ms  
Remote clock offset: -43.284 ms

# Below is generated by plot.py at 2019-01-21 09:04:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 9.55 Mbit/s  
95th percentile per-packet one-way delay: 60.880 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 9.55 Mbit/s  
95th percentile per-packet one-way delay: 60.880 ms  
Loss rate: 0.00%

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

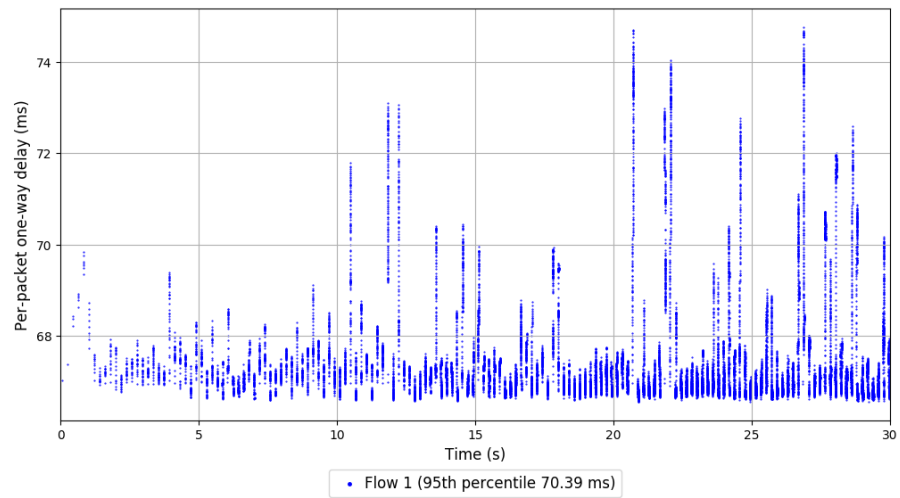
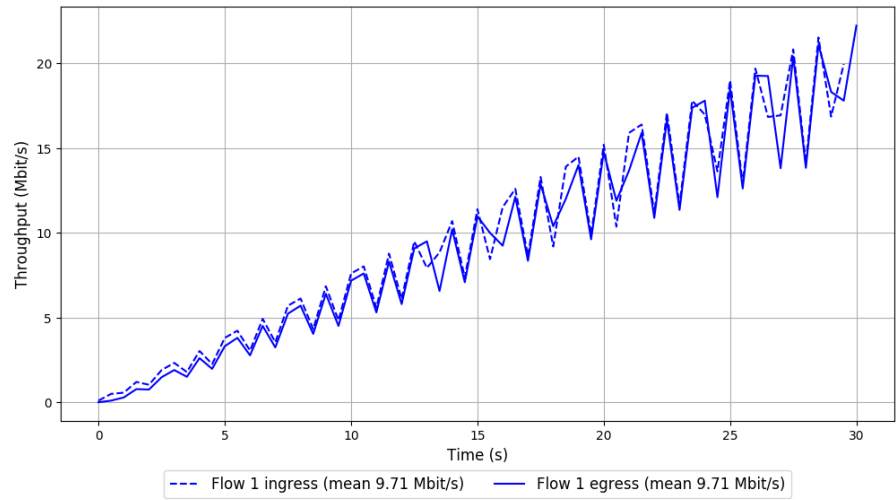


Run 4: Statistics of LEDBAT

Start at: 2019-01-21 06:52:41  
End at: 2019-01-21 06:53:11  
Local clock offset: 0.005 ms  
Remote clock offset: -32.598 ms

# Below is generated by plot.py at 2019-01-21 09:04:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 9.71 Mbit/s  
95th percentile per-packet one-way delay: 70.389 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 9.71 Mbit/s  
95th percentile per-packet one-way delay: 70.389 ms  
Loss rate: 0.00%

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

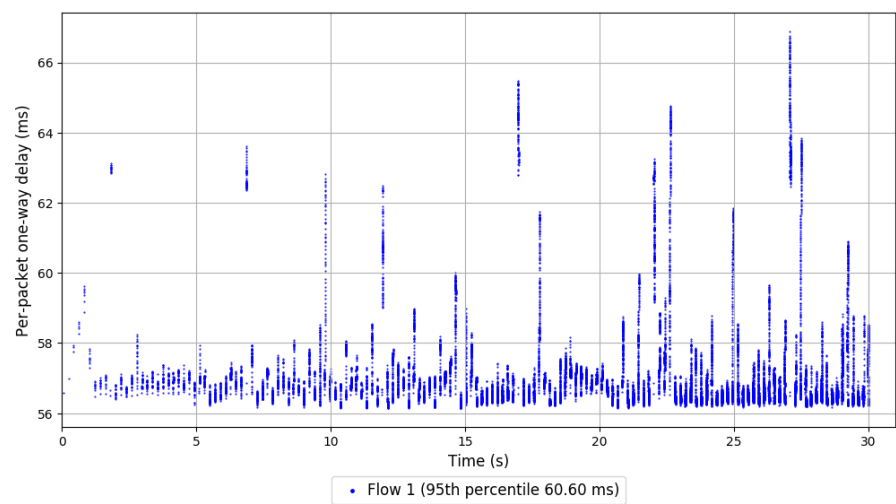
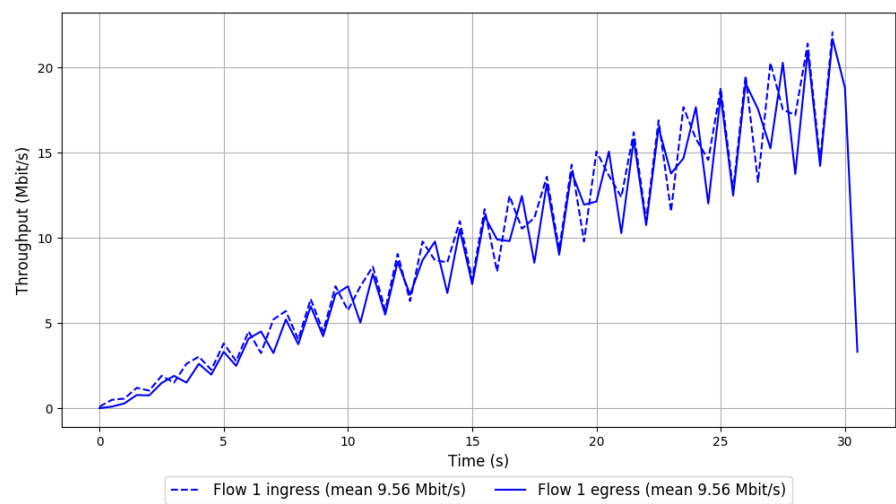


Run 5: Statistics of LEDBAT

Start at: 2019-01-21 07:59:26  
End at: 2019-01-21 07:59:56  
Local clock offset: -2.57 ms  
Remote clock offset: -45.497 ms

# Below is generated by plot.py at 2019-01-21 09:04:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 9.56 Mbit/s  
95th percentile per-packet one-way delay: 60.597 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 9.56 Mbit/s  
95th percentile per-packet one-way delay: 60.597 ms  
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2019-01-21 05:19:49

End at: 2019-01-21 05:20:19

Local clock offset: 1.283 ms

Remote clock offset: -42.64 ms

# Below is generated by plot.py at 2019-01-21 09:07:01

# Datalink statistics

-- Total of 1 flow:

Average throughput: 461.87 Mbit/s

95th percentile per-packet one-way delay: 59.490 ms

Loss rate: 3.26%

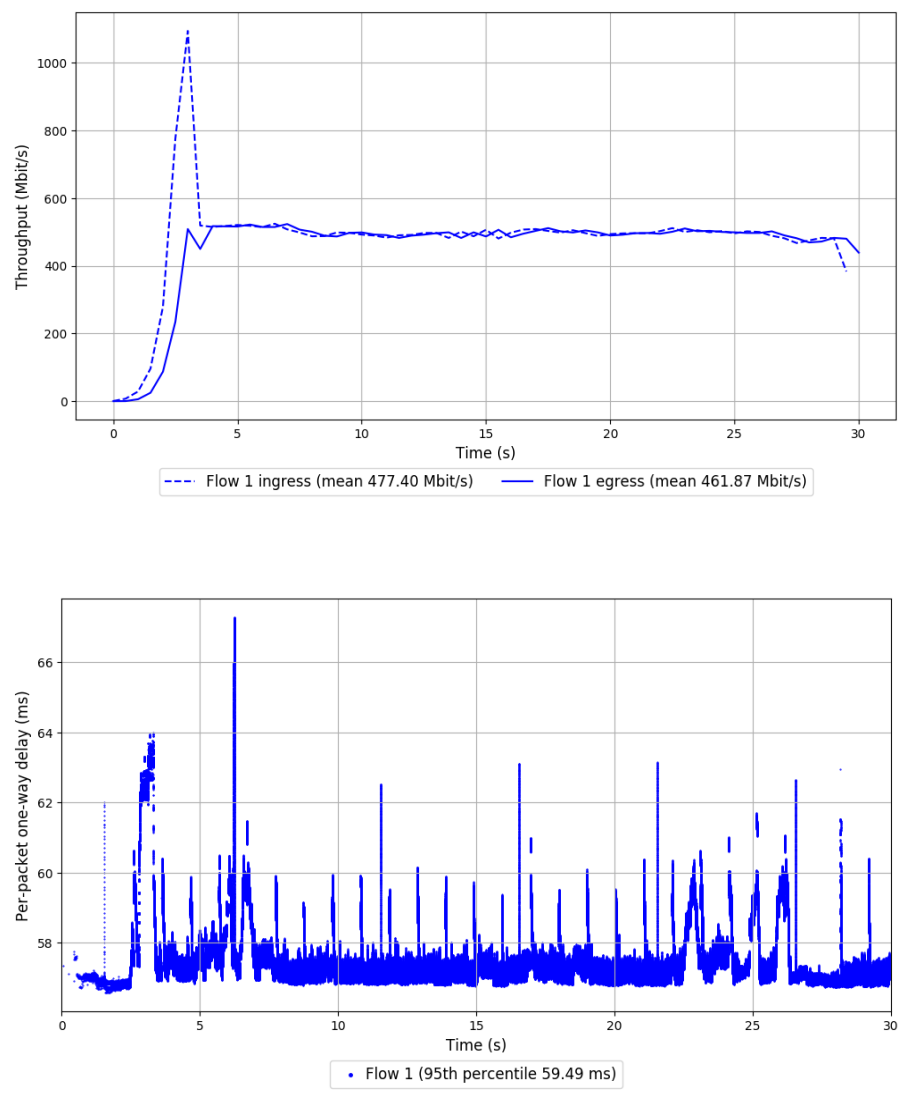
-- Flow 1:

Average throughput: 461.87 Mbit/s

95th percentile per-packet one-way delay: 59.490 ms

Loss rate: 3.26%

Run 1: Report of PCC-Allegro — Data Link



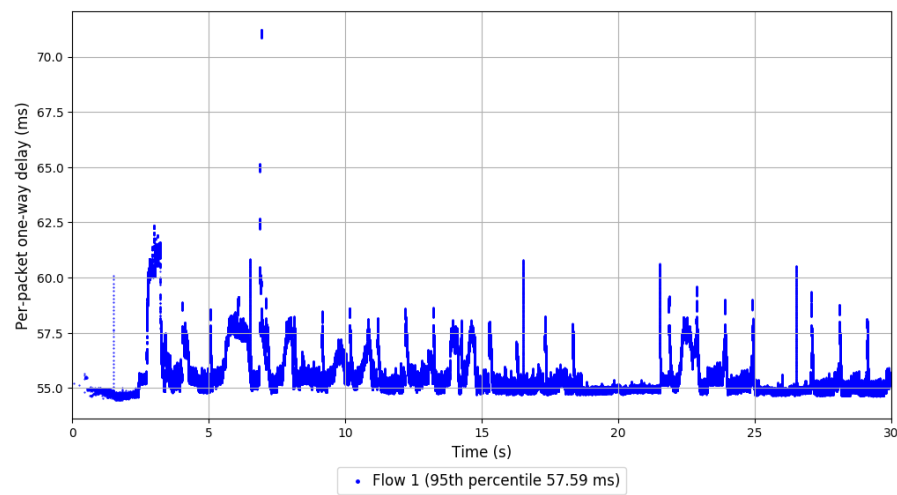
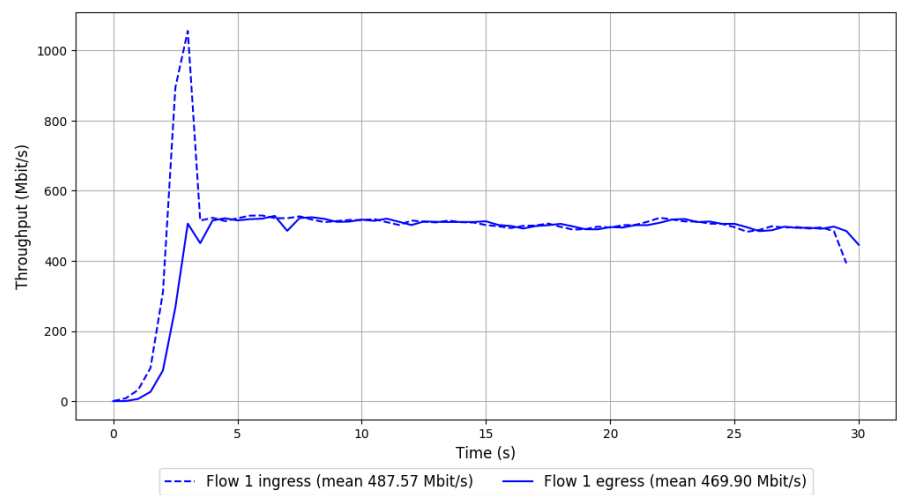


Run 2: Statistics of PCC-Allegro

Start at: 2019-01-21 05:52:54  
End at: 2019-01-21 05:53:24  
Local clock offset: -2.939 ms  
Remote clock offset: -46.835 ms

# Below is generated by plot.py at 2019-01-21 09:07:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 469.90 Mbit/s  
95th percentile per-packet one-way delay: 57.595 ms  
Loss rate: 3.62%  
-- Flow 1:  
Average throughput: 469.90 Mbit/s  
95th percentile per-packet one-way delay: 57.595 ms  
Loss rate: 3.62%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-01-21 06:31:31

End at: 2019-01-21 06:32:01

Local clock offset: -1.279 ms

Remote clock offset: -34.683 ms

# Below is generated by plot.py at 2019-01-21 09:07:58

# Datalink statistics

-- Total of 1 flow:

Average throughput: 476.97 Mbit/s

95th percentile per-packet one-way delay: 69.264 ms

Loss rate: 2.87%

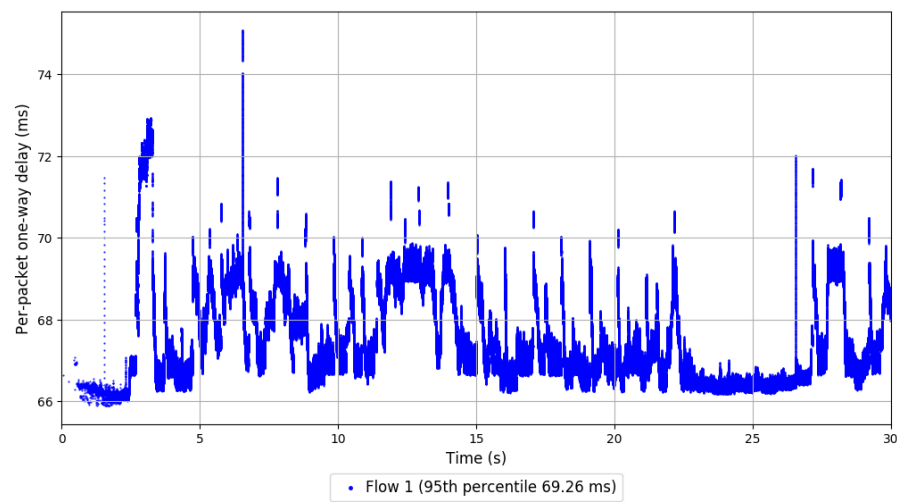
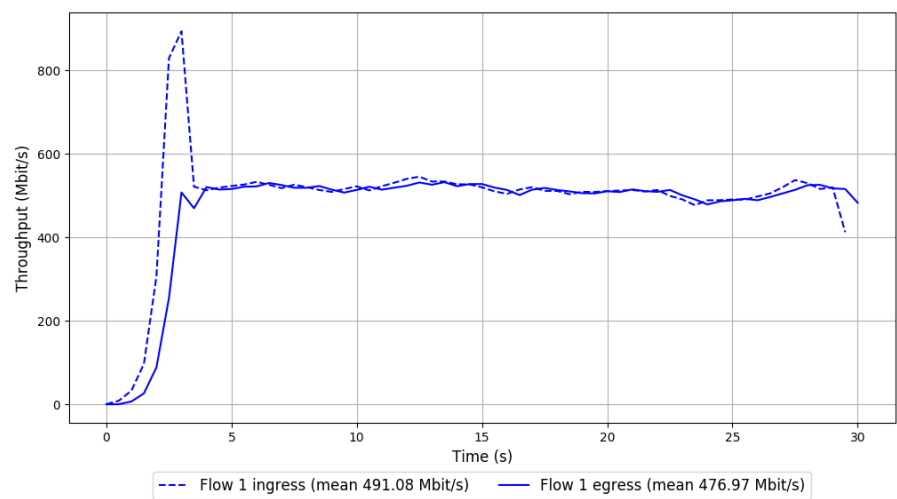
-- Flow 1:

Average throughput: 476.97 Mbit/s

95th percentile per-packet one-way delay: 69.264 ms

Loss rate: 2.87%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-01-21 07:32:53

End at: 2019-01-21 07:33:23

Local clock offset: -0.043 ms

Remote clock offset: -48.674 ms

# Below is generated by plot.py at 2019-01-21 09:08:55

# Datalink statistics

-- Total of 1 flow:

Average throughput: 393.11 Mbit/s

95th percentile per-packet one-way delay: 52.588 ms

Loss rate: 1.49%

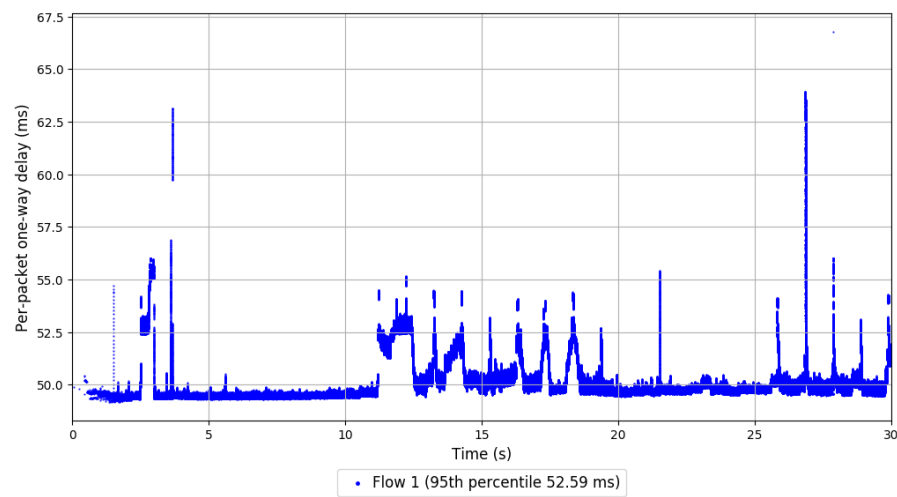
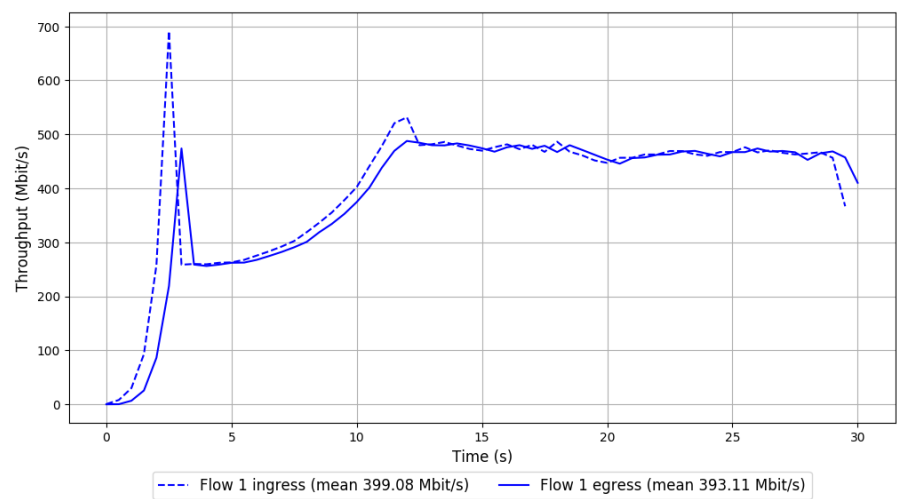
-- Flow 1:

Average throughput: 393.11 Mbit/s

95th percentile per-packet one-way delay: 52.588 ms

Loss rate: 1.49%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-01-21 08:39:49

End at: 2019-01-21 08:40:19

Local clock offset: 0.92 ms

Remote clock offset: -40.734 ms

# Below is generated by plot.py at 2019-01-21 09:09:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 457.61 Mbit/s

95th percentile per-packet one-way delay: 62.595 ms

Loss rate: 3.34%

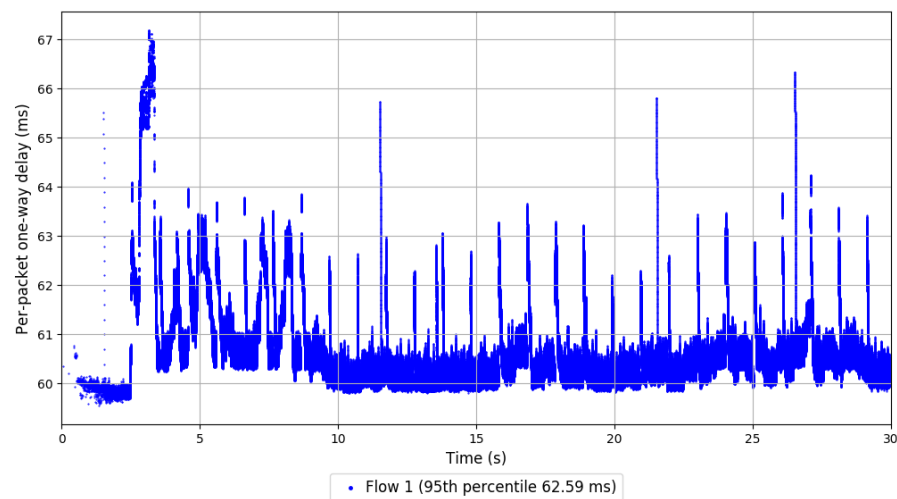
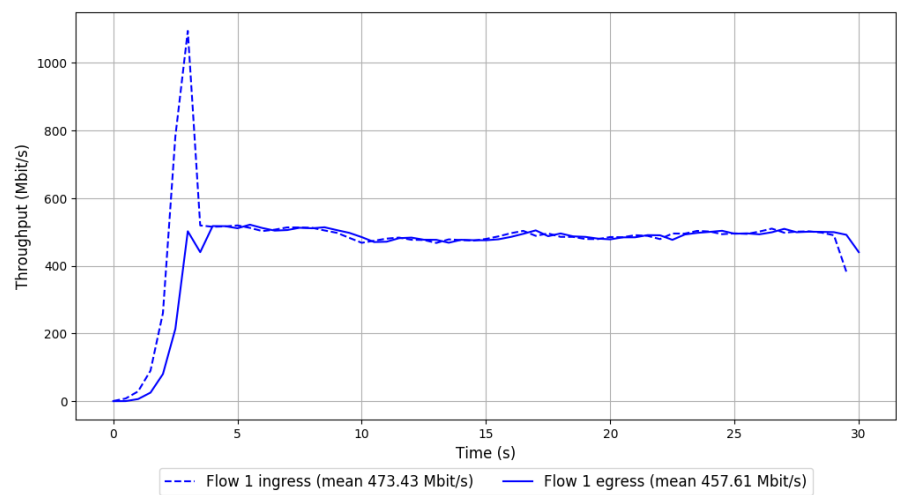
-- Flow 1:

Average throughput: 457.61 Mbit/s

95th percentile per-packet one-way delay: 62.595 ms

Loss rate: 3.34%

Run 5: Report of PCC-Allegro — Data Link



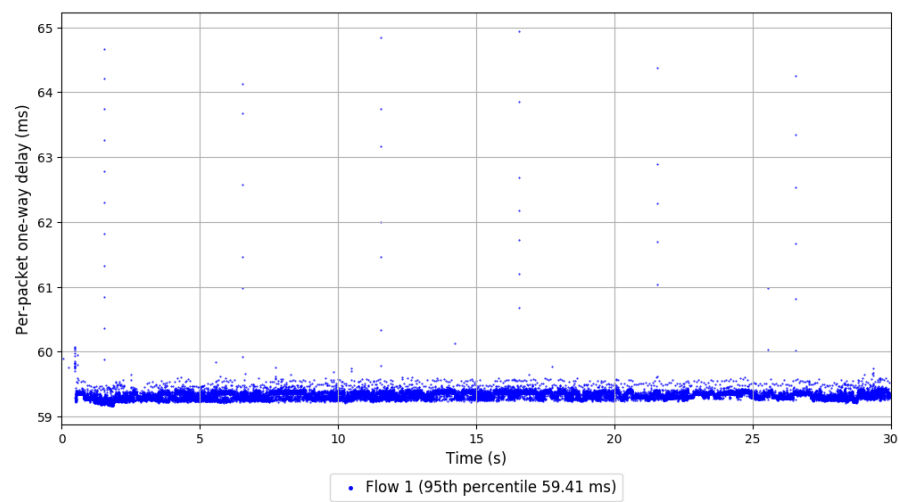
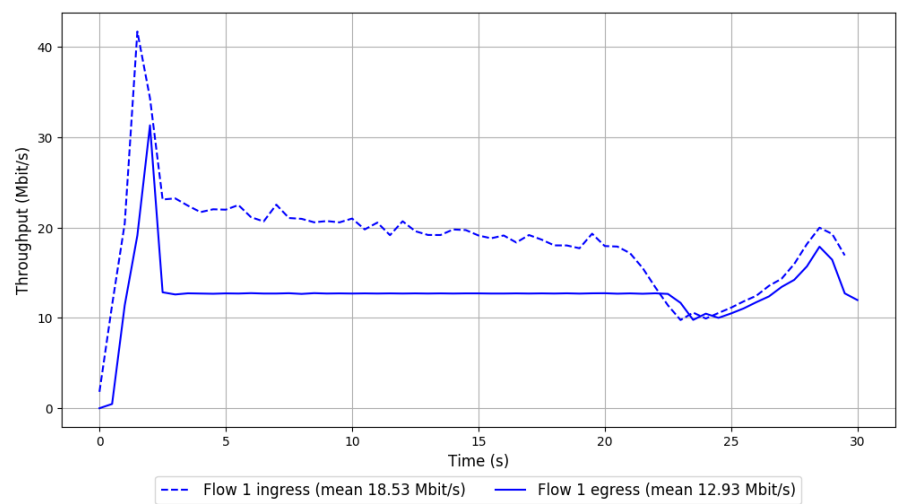


```
Run 1: Statistics of PCC-Expr

Start at: 2019-01-21 05:12:17
End at: 2019-01-21 05:12:47
Local clock offset: 0.077 ms
Remote clock offset: -42.244 ms

# Below is generated by plot.py at 2019-01-21 09:09:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.93 Mbit/s
95th percentile per-packet one-way delay: 59.409 ms
Loss rate: 30.21%
-- Flow 1:
Average throughput: 12.93 Mbit/s
95th percentile per-packet one-way delay: 59.409 ms
Loss rate: 30.21%
```

Run 1: Report of PCC-Expr — Data Link

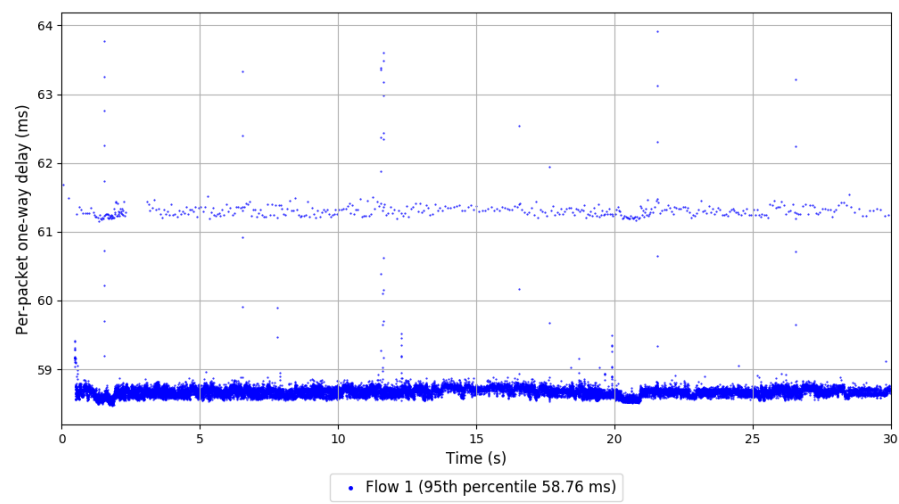
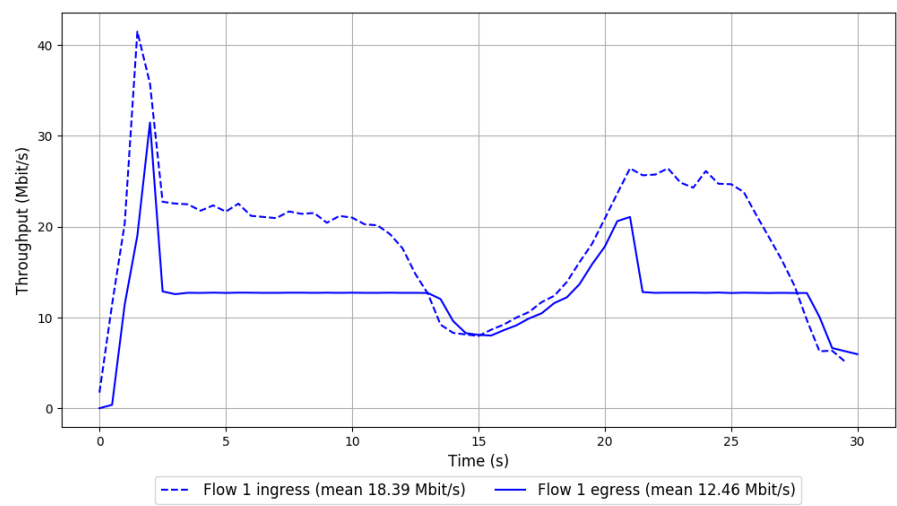


Run 2: Statistics of PCC-Expr

Start at: 2019-01-21 05:45:19  
End at: 2019-01-21 05:45:49  
Local clock offset: -1.675 ms  
Remote clock offset: -42.095 ms

# Below is generated by plot.py at 2019-01-21 09:09:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.46 Mbit/s  
95th percentile per-packet one-way delay: 58.760 ms  
Loss rate: 32.25%  
-- Flow 1:  
Average throughput: 12.46 Mbit/s  
95th percentile per-packet one-way delay: 58.760 ms  
Loss rate: 32.25%

Run 2: Report of PCC-Expr — Data Link

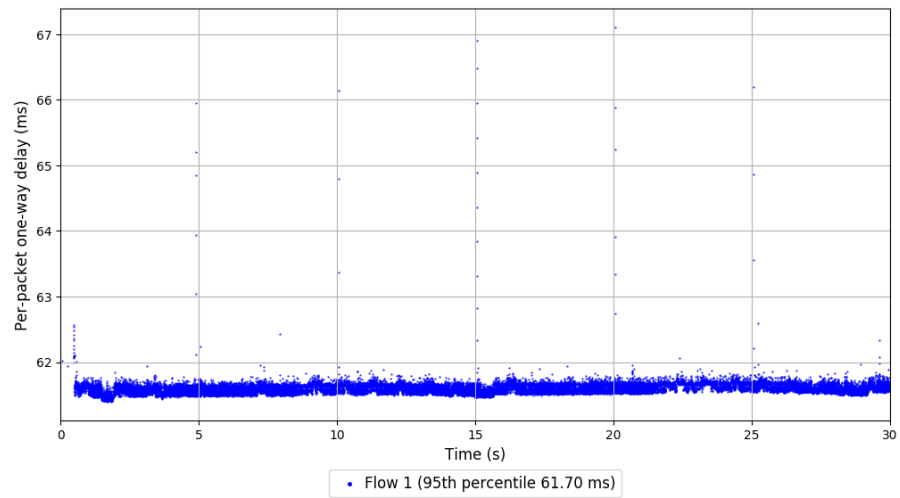
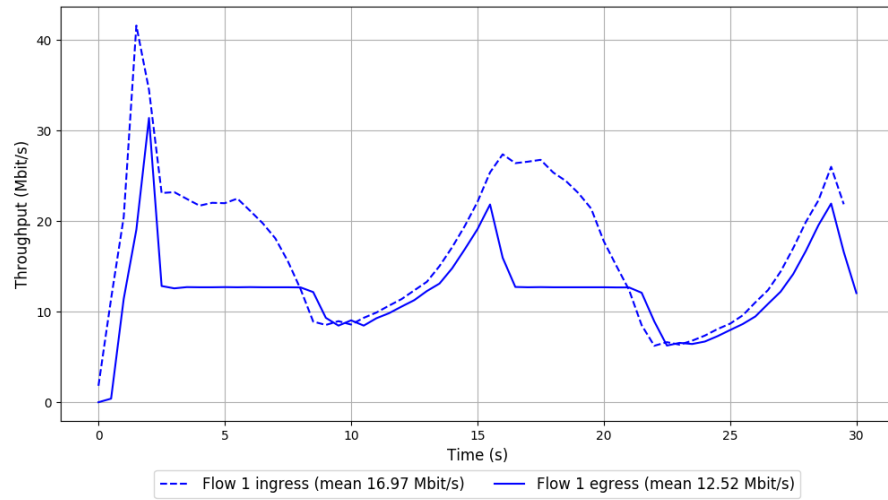


Run 3: Statistics of PCC-Expr

Start at: 2019-01-21 06:23:56  
End at: 2019-01-21 06:24:26  
Local clock offset: -2.235 ms  
Remote clock offset: -39.646 ms

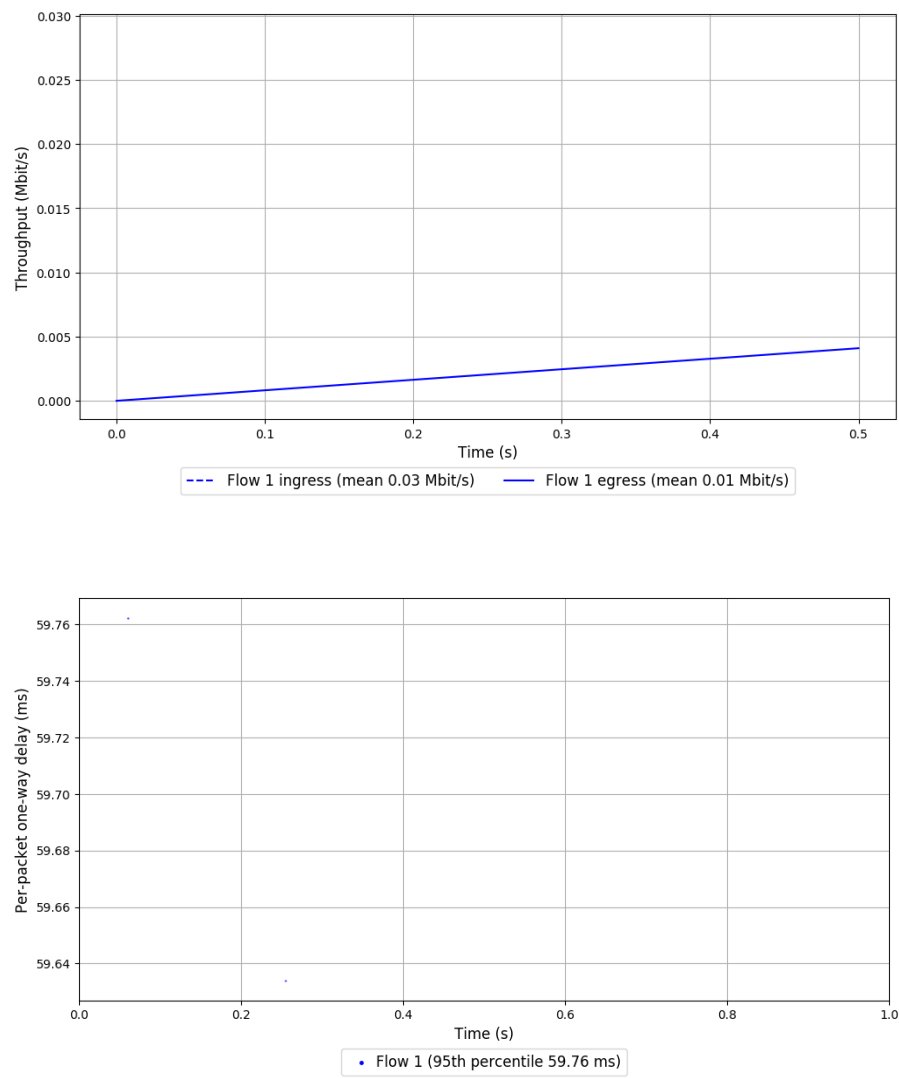
# Below is generated by plot.py at 2019-01-21 09:09:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.52 Mbit/s  
95th percentile per-packet one-way delay: 61.699 ms  
Loss rate: 26.24%  
-- Flow 1:  
Average throughput: 12.52 Mbit/s  
95th percentile per-packet one-way delay: 61.699 ms  
Loss rate: 26.24%

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



Run 4: Statistics of PCC-Expr  
  
Start at: 2019-01-21 07:19:34  
End at: 2019-01-21 07:20:04  
Local clock offset: -1.373 ms  
Remote clock offset: -40.217 ms

Run 4: Report of PCC-Expr — Data Link





Run 5: Statistics of PCC-Expr

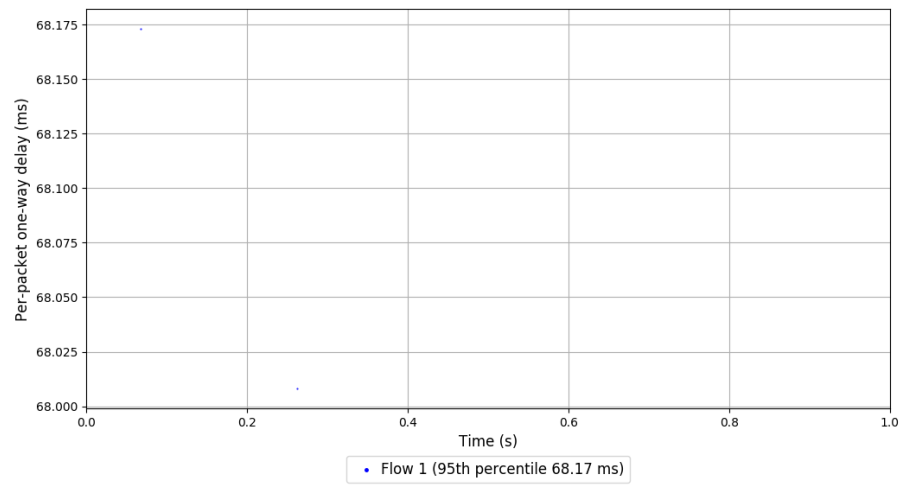
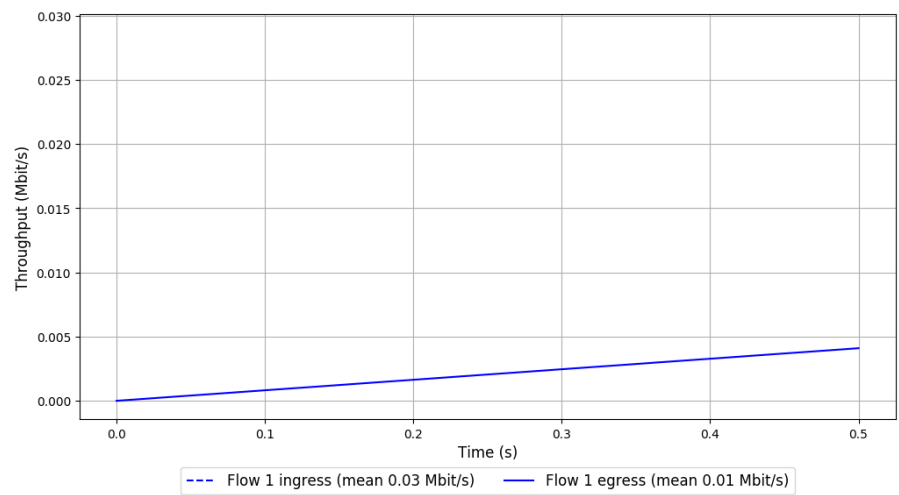
Start at: 2019-01-21 08:20:42

End at: 2019-01-21 08:21:12

Local clock offset: -1.869 ms

Remote clock offset: -33.3 ms

Run 5: Report of PCC-Expr — Data Link

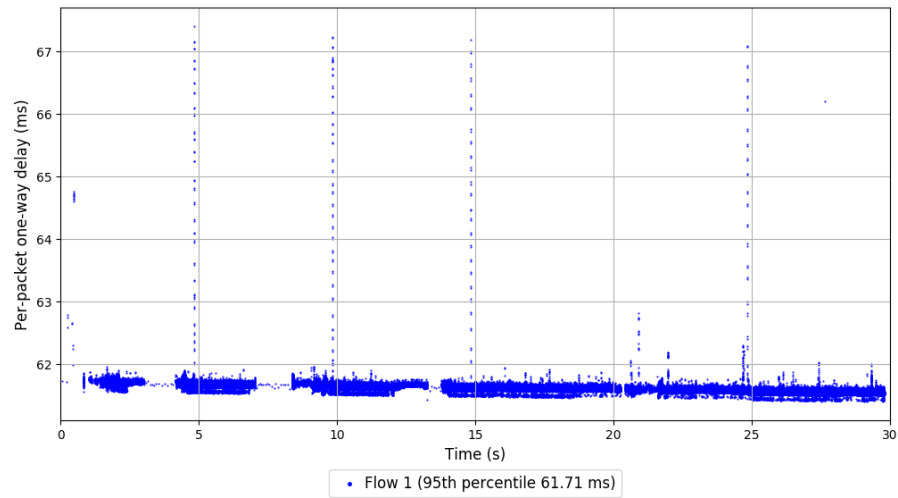
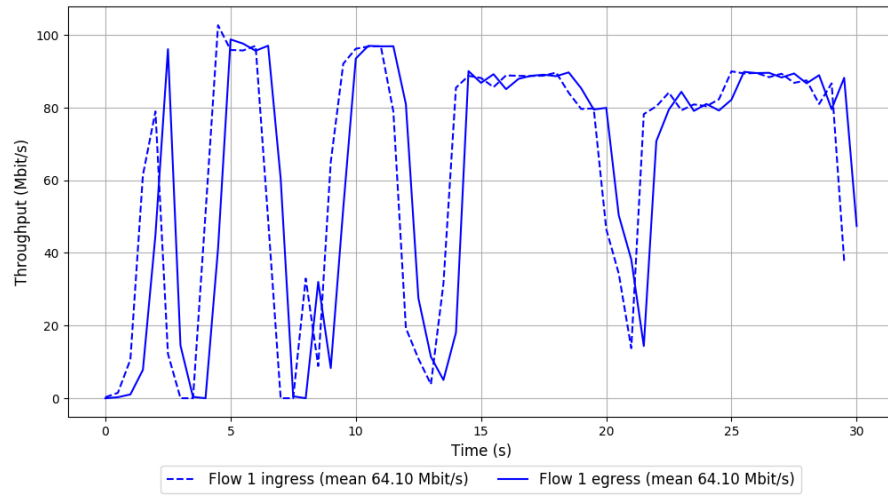


Run 1: Statistics of QUIC Cubic

Start at: 2019-01-21 05:17:15  
End at: 2019-01-21 05:17:45  
Local clock offset: 1.826 ms  
Remote clock offset: -37.701 ms

# Below is generated by plot.py at 2019-01-21 09:09:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 64.10 Mbit/s  
95th percentile per-packet one-way delay: 61.706 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 64.10 Mbit/s  
95th percentile per-packet one-way delay: 61.706 ms  
Loss rate: 0.00%

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

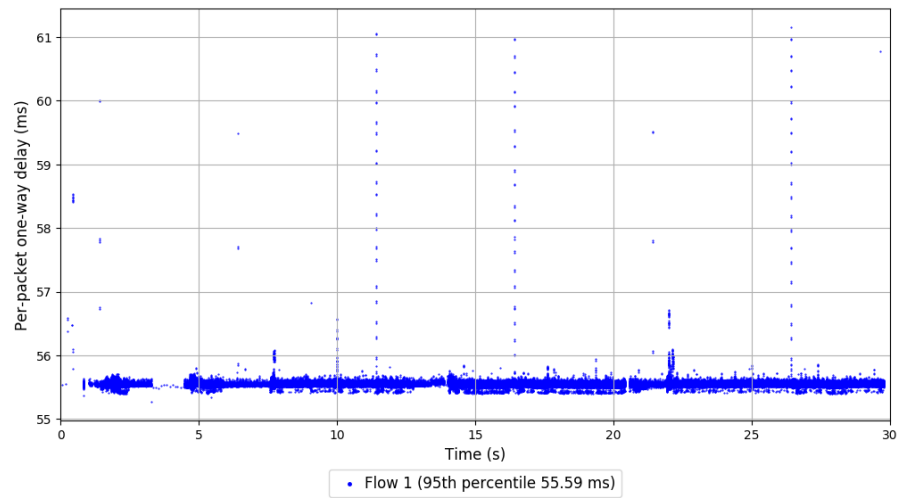
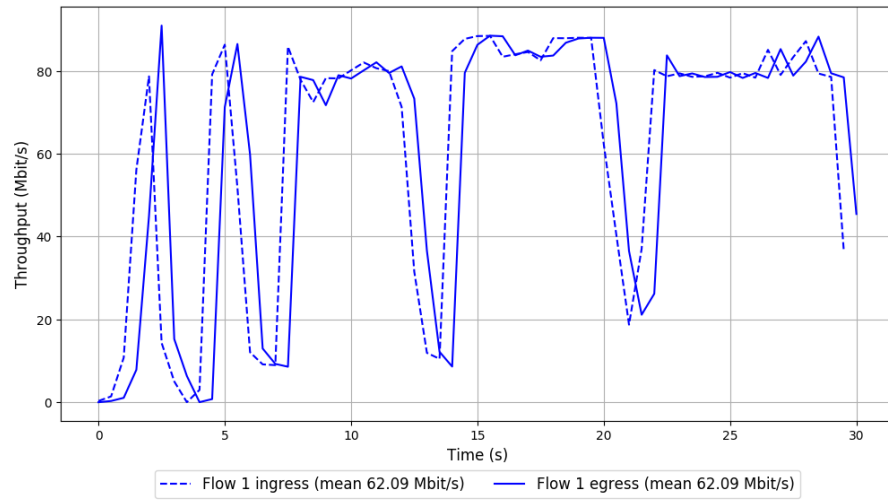


Run 2: Statistics of QUIC Cubic

Start at: 2019-01-21 05:50:16  
End at: 2019-01-21 05:50:46  
Local clock offset: -3.06 ms  
Remote clock offset: -46.787 ms

# Below is generated by plot.py at 2019-01-21 09:09:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 62.09 Mbit/s  
95th percentile per-packet one-way delay: 55.593 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 62.09 Mbit/s  
95th percentile per-packet one-way delay: 55.593 ms  
Loss rate: 0.00%

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

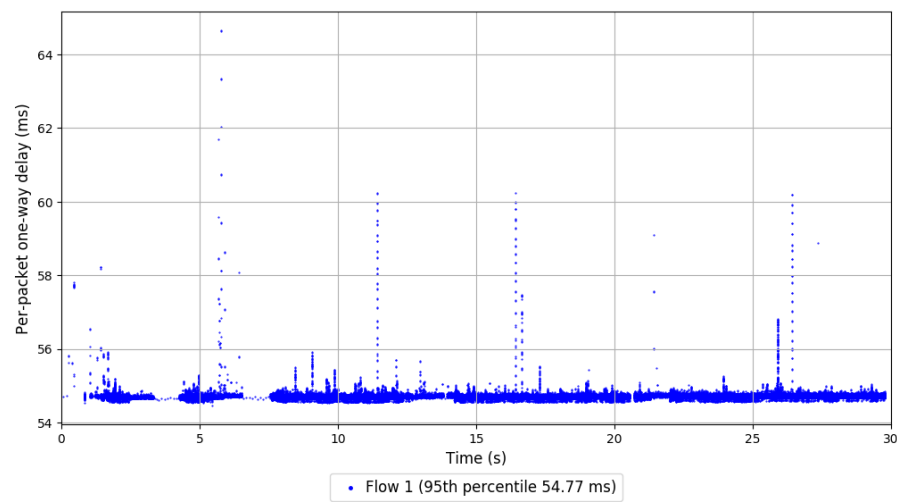
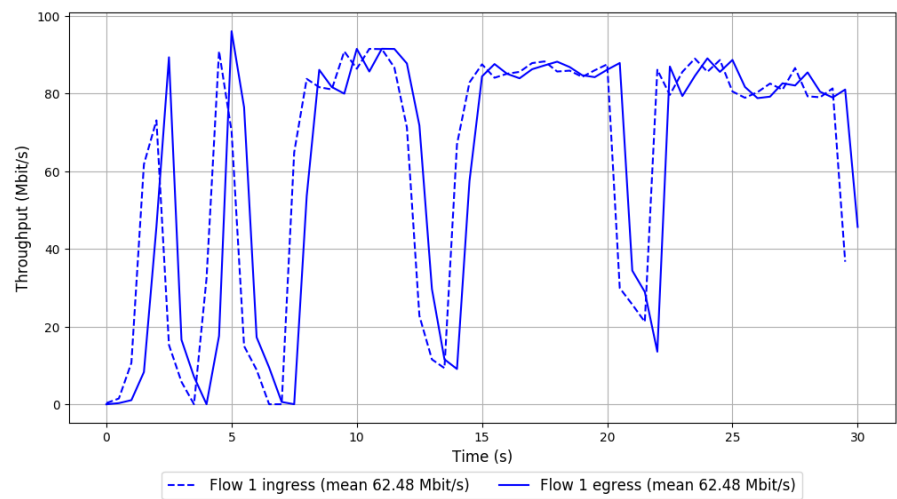


Run 3: Statistics of QUIC Cubic

Start at: 2019-01-21 06:28:54  
End at: 2019-01-21 06:29:24  
Local clock offset: -1.064 ms  
Remote clock offset: -45.818 ms

# Below is generated by plot.py at 2019-01-21 09:09:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 62.48 Mbit/s  
95th percentile per-packet one-way delay: 54.768 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 62.48 Mbit/s  
95th percentile per-packet one-way delay: 54.768 ms  
Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



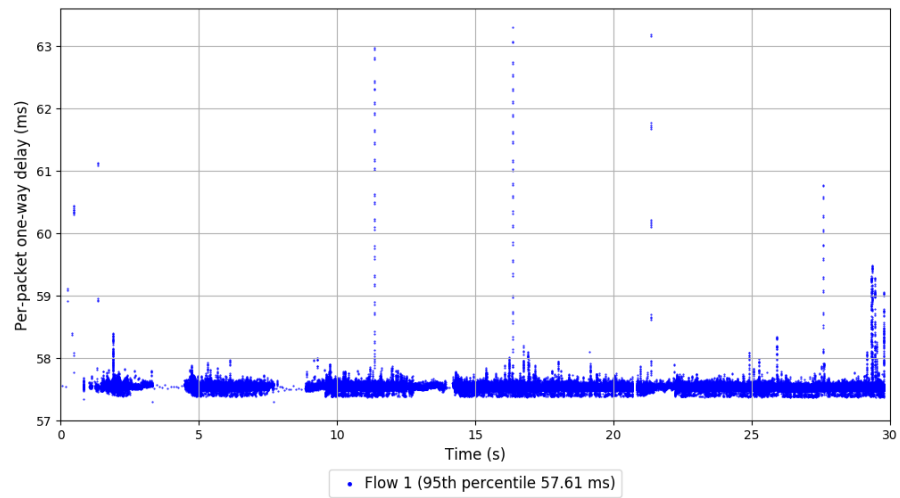
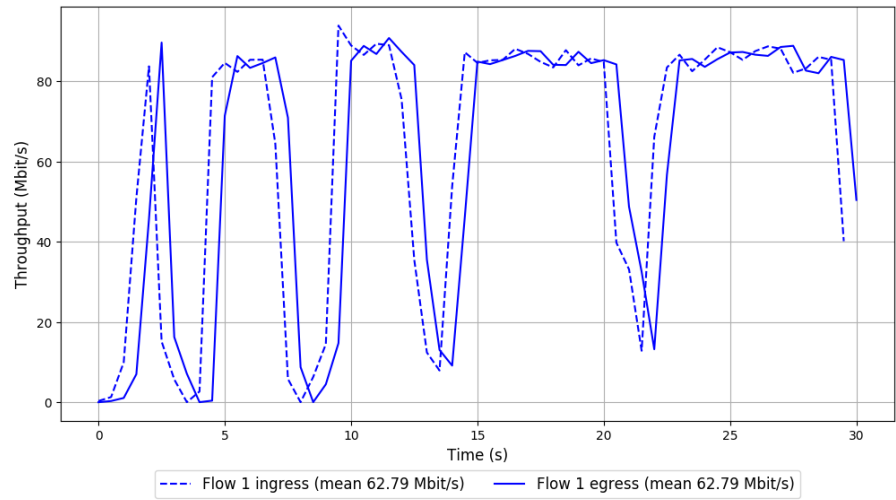


Run 4: Statistics of QUIC Cubic

Start at: 2019-01-21 07:30:11  
End at: 2019-01-21 07:30:41  
Local clock offset: -2.921 ms  
Remote clock offset: -46.057 ms

# Below is generated by plot.py at 2019-01-21 09:09:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 62.79 Mbit/s  
95th percentile per-packet one-way delay: 57.607 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 62.79 Mbit/s  
95th percentile per-packet one-way delay: 57.607 ms  
Loss rate: 0.00%

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

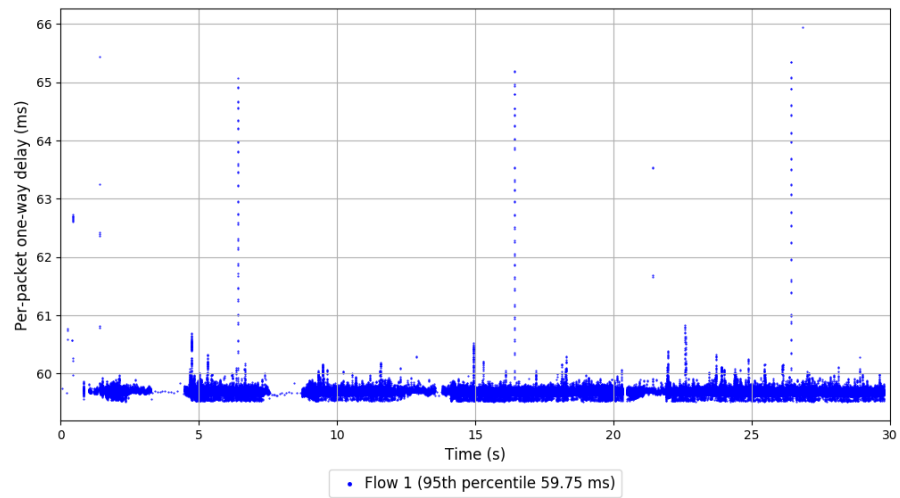
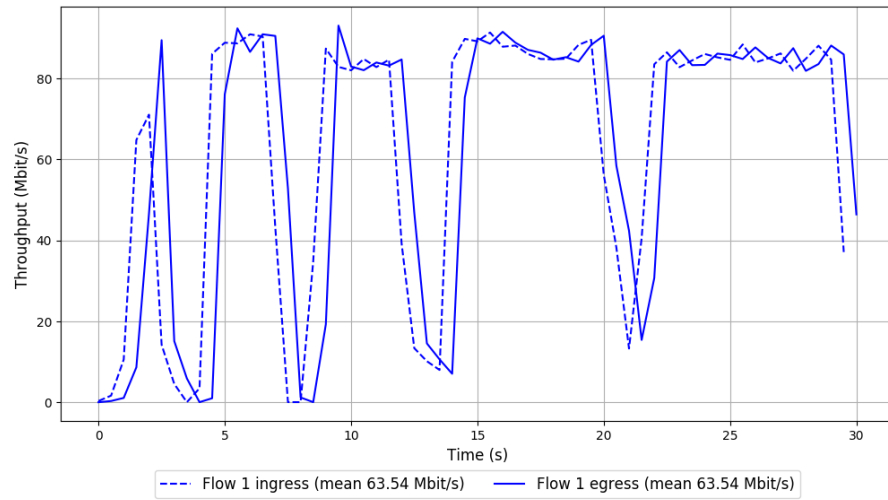


Run 5: Statistics of QUIC Cubic

Start at: 2019-01-21 08:31:19  
End at: 2019-01-21 08:31:49  
Local clock offset: -1.265 ms  
Remote clock offset: -40.426 ms

# Below is generated by plot.py at 2019-01-21 09:09:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 63.54 Mbit/s  
95th percentile per-packet one-way delay: 59.752 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 63.54 Mbit/s  
95th percentile per-packet one-way delay: 59.752 ms  
Loss rate: 0.00%

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

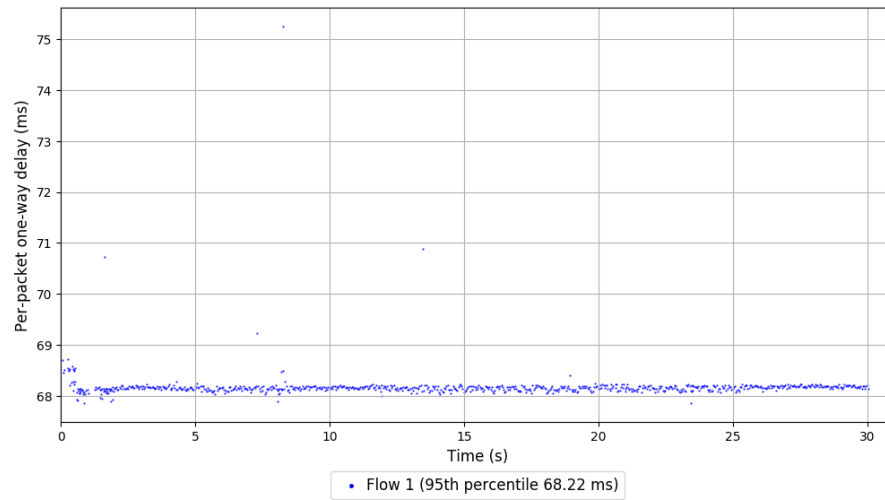
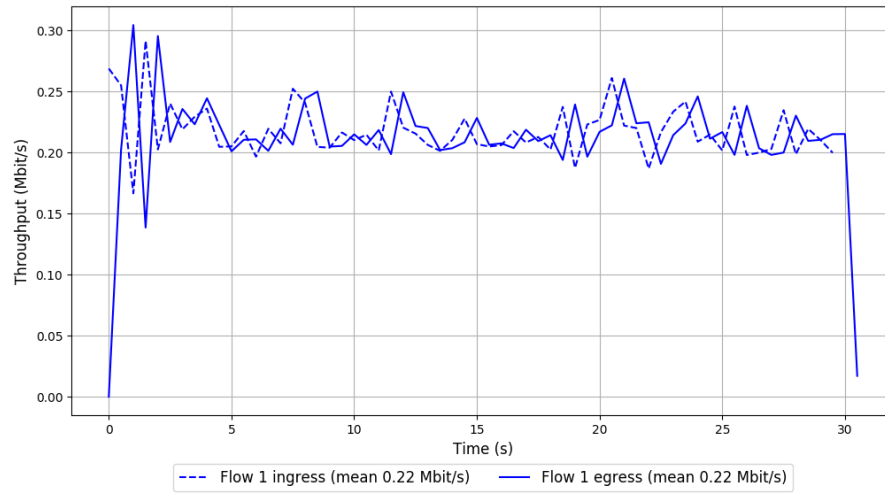


Run 1: Statistics of SCReAM

Start at: 2019-01-21 05:14:55  
End at: 2019-01-21 05:15:25  
Local clock offset: 0.909 ms  
Remote clock offset: -35.428 ms

# Below is generated by plot.py at 2019-01-21 09:09:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 68.223 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 68.223 ms  
Loss rate: 0.00%

## Run 1: Report of SReAM — Data Link

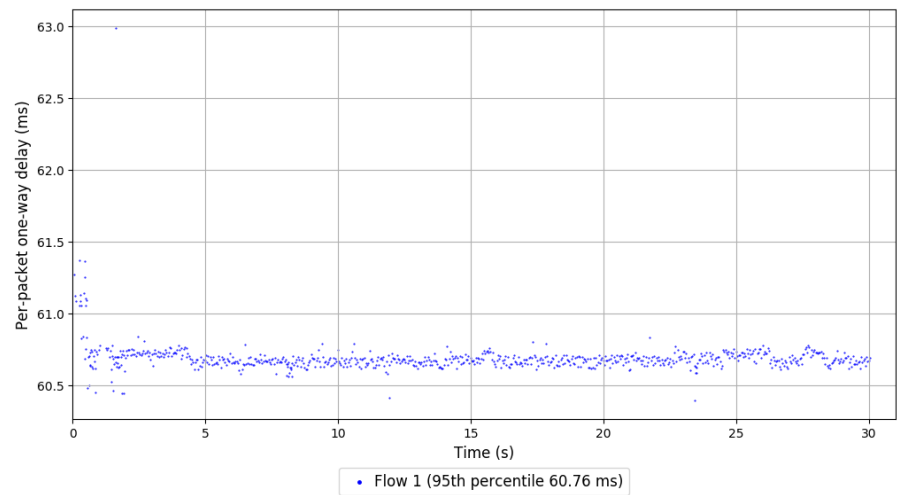
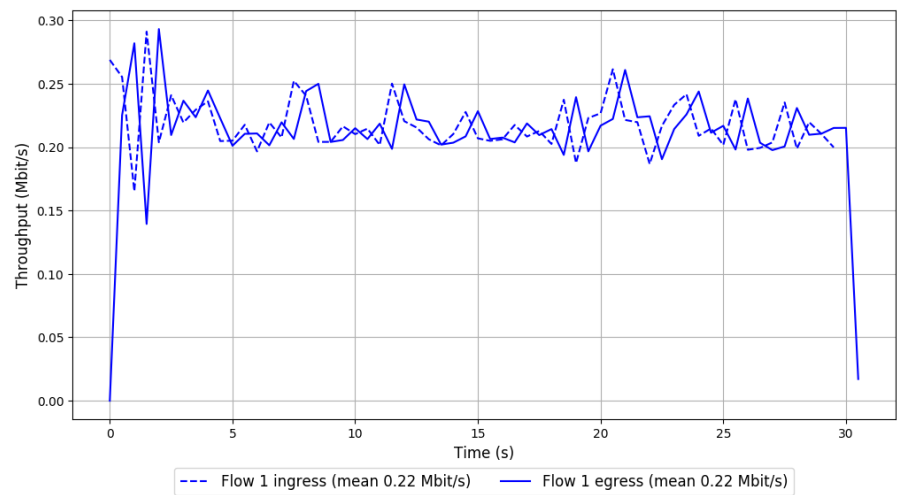


Run 2: Statistics of SCReAM

Start at: 2019-01-21 05:47:56  
End at: 2019-01-21 05:48:26  
Local clock offset: -0.554 ms  
Remote clock offset: -41.55 ms

# Below is generated by plot.py at 2019-01-21 09:09:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 60.760 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 60.760 ms  
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



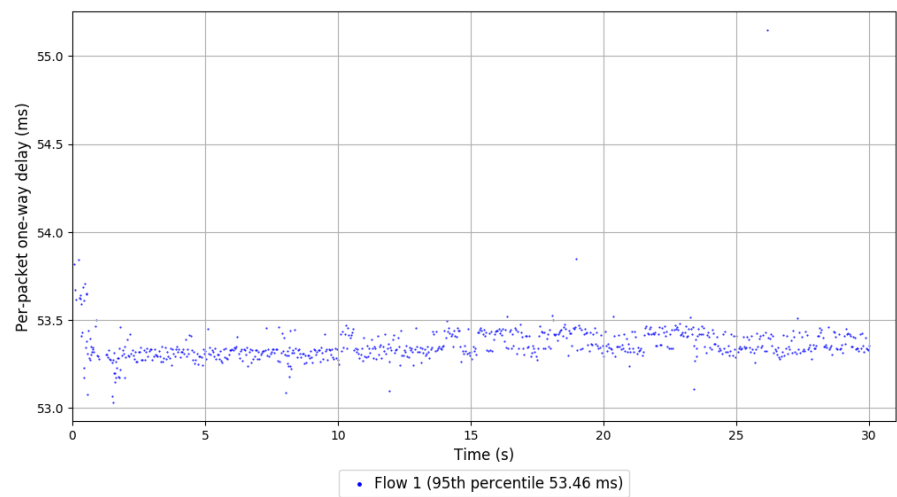
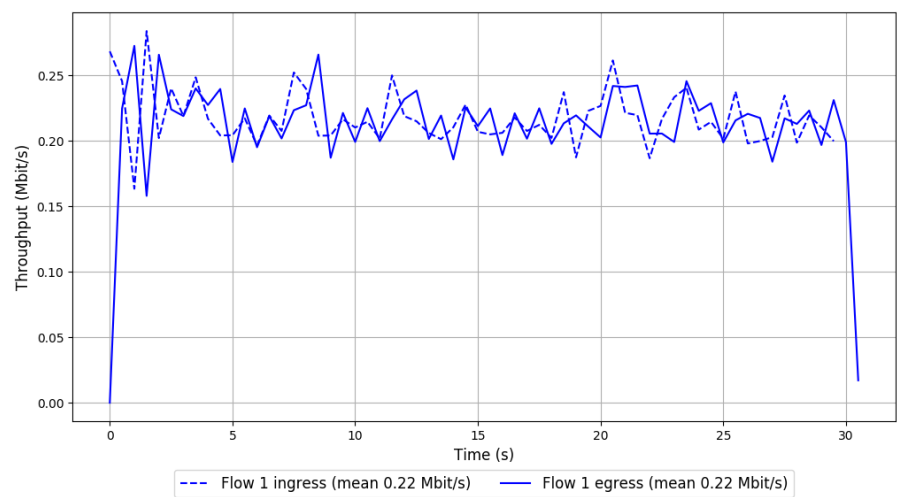


Run 3: Statistics of SCReAM

Start at: 2019-01-21 06:26:34  
End at: 2019-01-21 06:27:04  
Local clock offset: 0.193 ms  
Remote clock offset: -45.896 ms

# Below is generated by plot.py at 2019-01-21 09:09:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 53.460 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 53.460 ms  
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

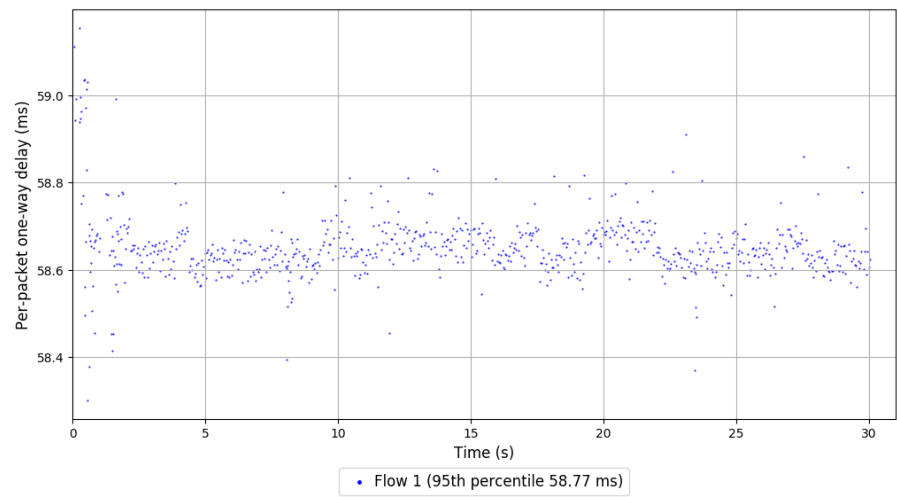
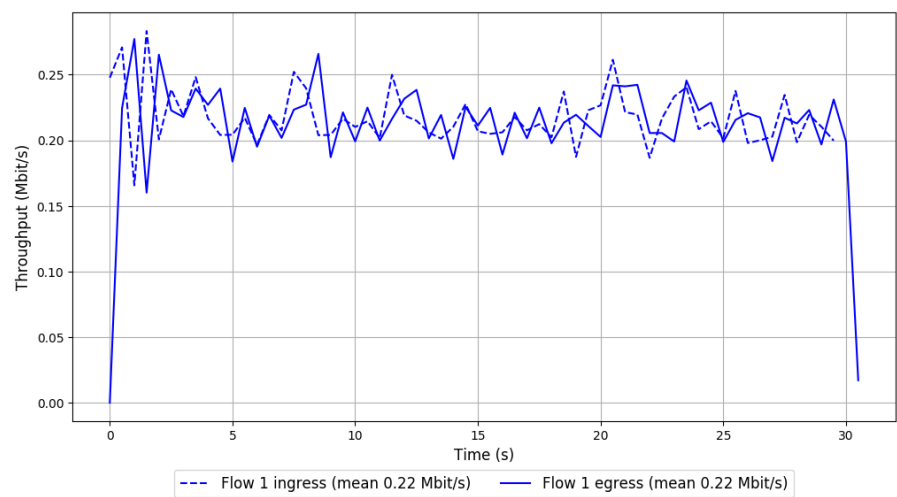


Run 4: Statistics of SCReAM

Start at: 2019-01-21 07:22:18  
End at: 2019-01-21 07:22:48  
Local clock offset: -3.784 ms  
Remote clock offset: -43.394 ms

# Below is generated by plot.py at 2019-01-21 09:09:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 58.774 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 58.774 ms  
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

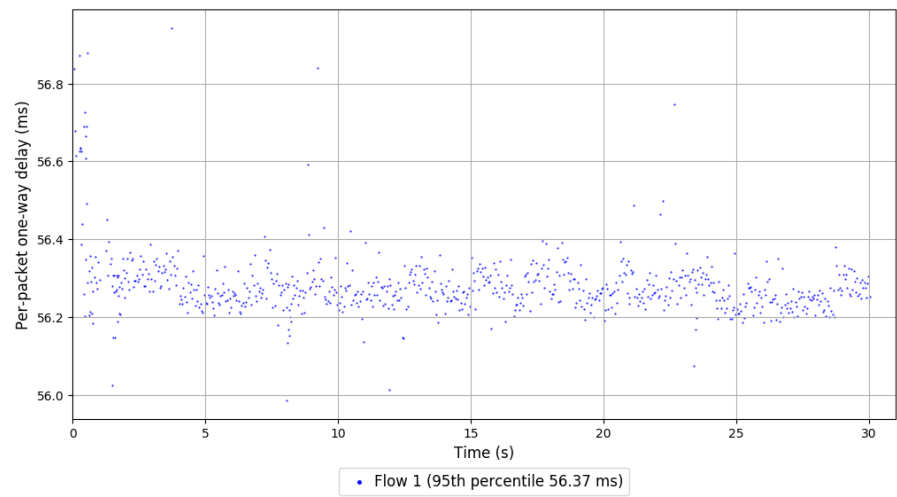
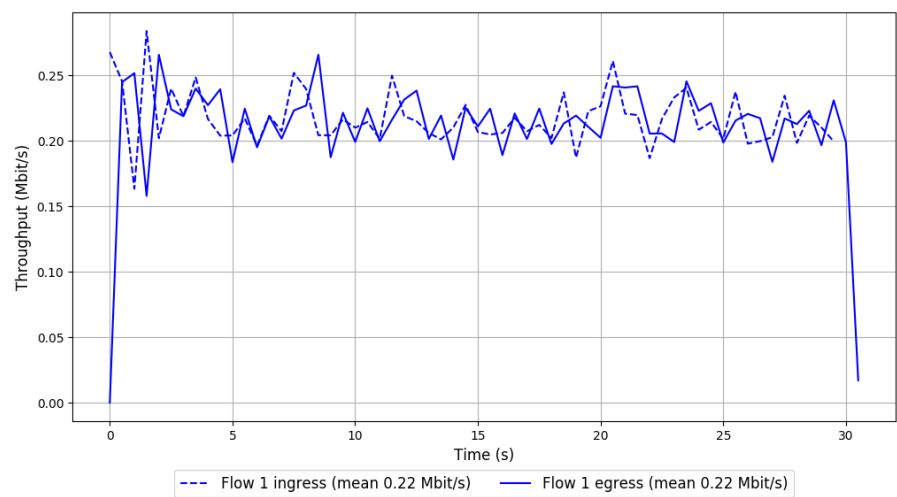


Run 5: Statistics of SCReAM

Start at: 2019-01-21 08:23:26  
End at: 2019-01-21 08:23:56  
Local clock offset: -1.359 ms  
Remote clock offset: -44.511 ms

# Below is generated by plot.py at 2019-01-21 09:09:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 56.373 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 56.373 ms  
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

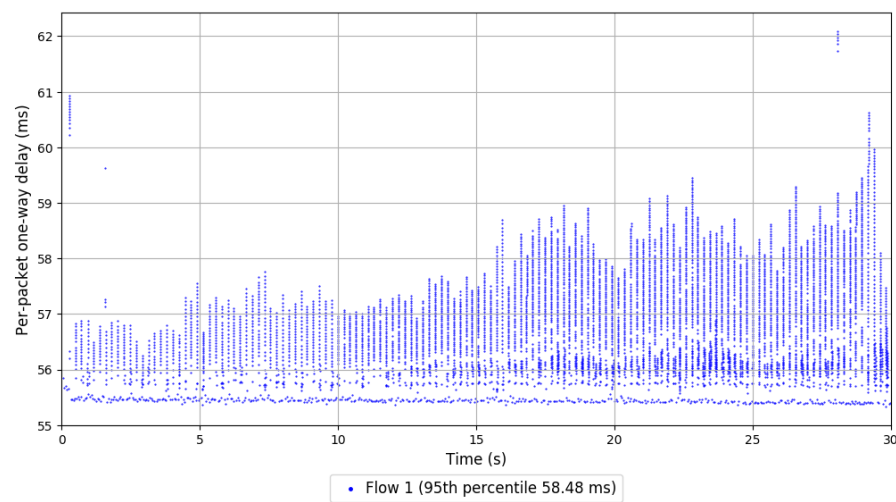
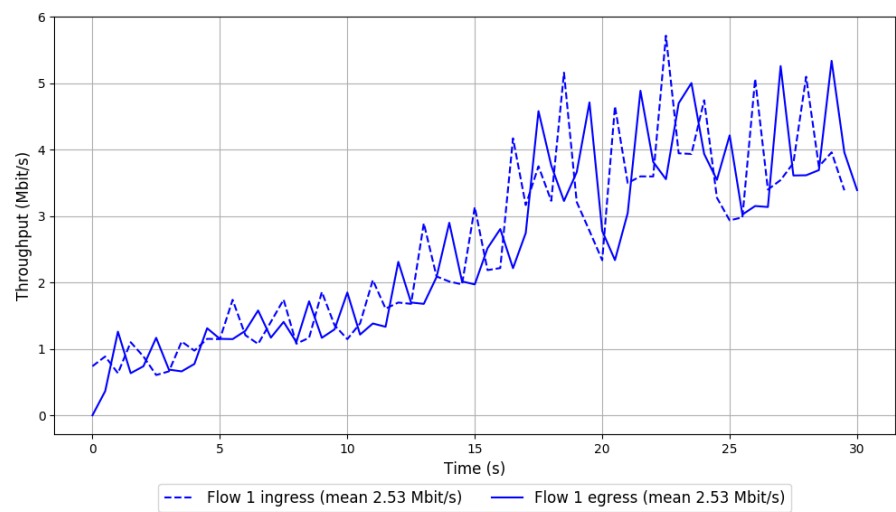


Run 1: Statistics of Sprout

Start at: 2019-01-21 05:16:05  
End at: 2019-01-21 05:16:35  
Local clock offset: 1.697 ms  
Remote clock offset: -47.265 ms

# Below is generated by plot.py at 2019-01-21 09:09:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.53 Mbit/s  
95th percentile per-packet one-way delay: 58.476 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.53 Mbit/s  
95th percentile per-packet one-way delay: 58.476 ms  
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



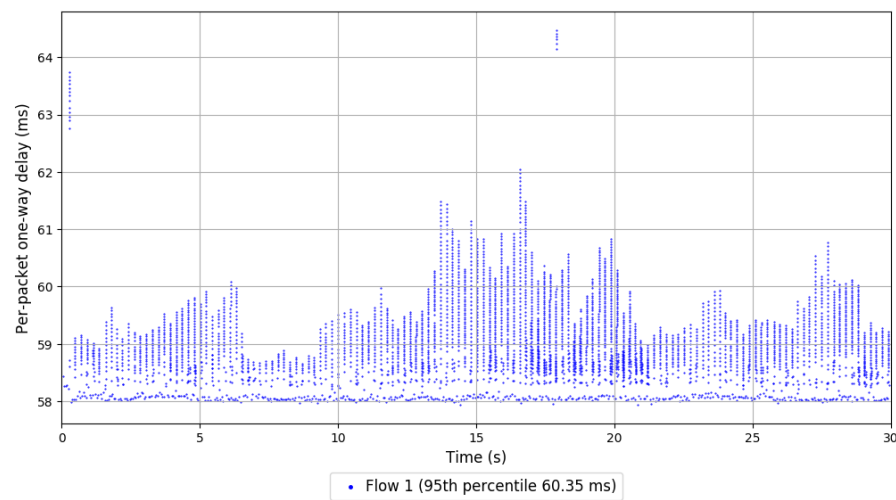
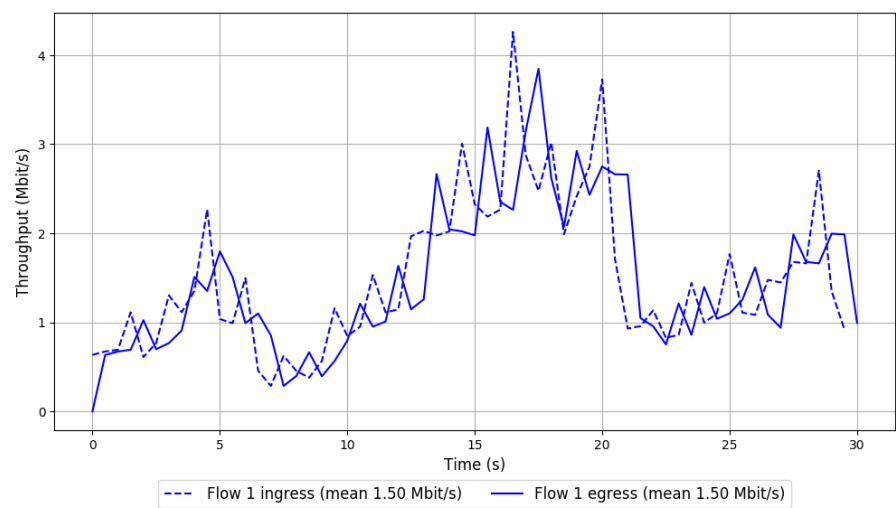


Run 2: Statistics of Sprout

Start at: 2019-01-21 05:49:06  
End at: 2019-01-21 05:49:36  
Local clock offset: -1.197 ms  
Remote clock offset: -41.911 ms

# Below is generated by plot.py at 2019-01-21 09:09:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.50 Mbit/s  
95th percentile per-packet one-way delay: 60.354 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.50 Mbit/s  
95th percentile per-packet one-way delay: 60.354 ms  
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

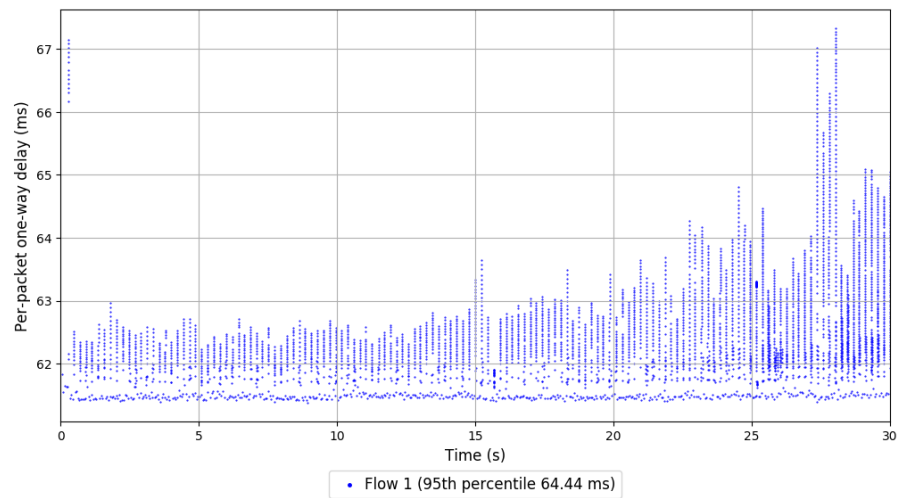
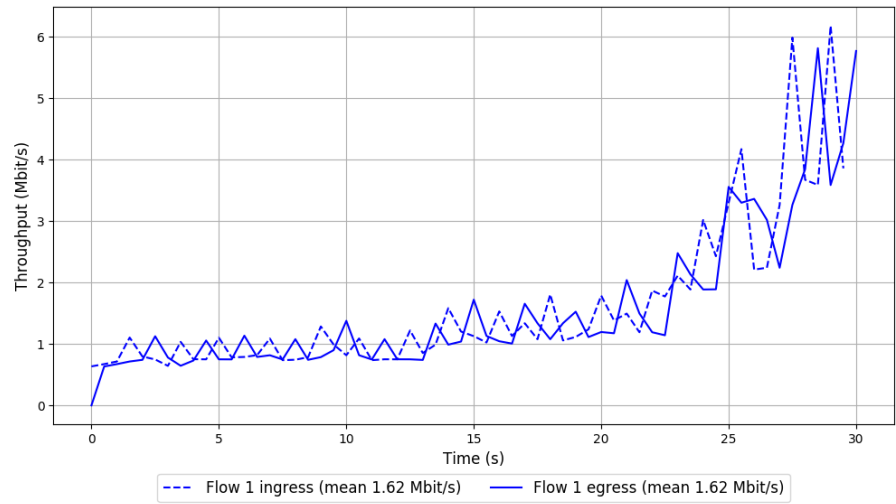


Run 3: Statistics of Sprout

Start at: 2019-01-21 06:27:44  
End at: 2019-01-21 06:28:14  
Local clock offset: -1.137 ms  
Remote clock offset: -39.196 ms

# Below is generated by plot.py at 2019-01-21 09:09:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.62 Mbit/s  
95th percentile per-packet one-way delay: 64.442 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.62 Mbit/s  
95th percentile per-packet one-way delay: 64.442 ms  
Loss rate: 0.00%

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

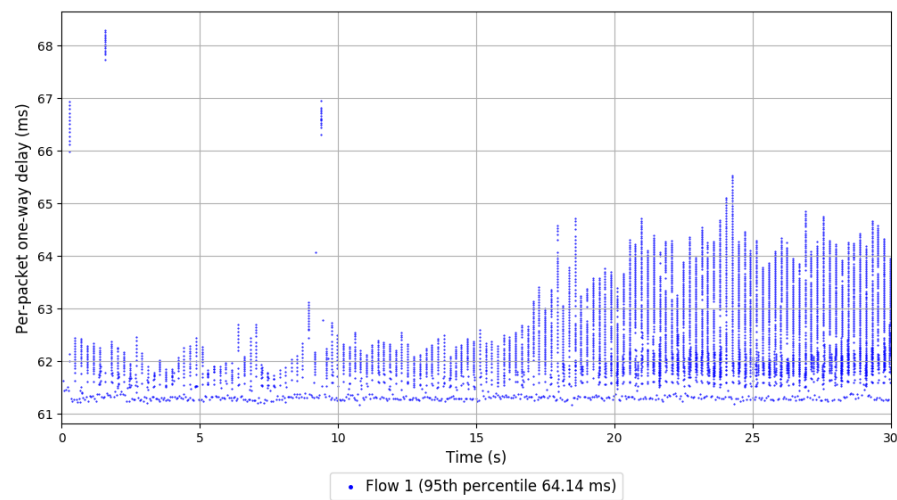
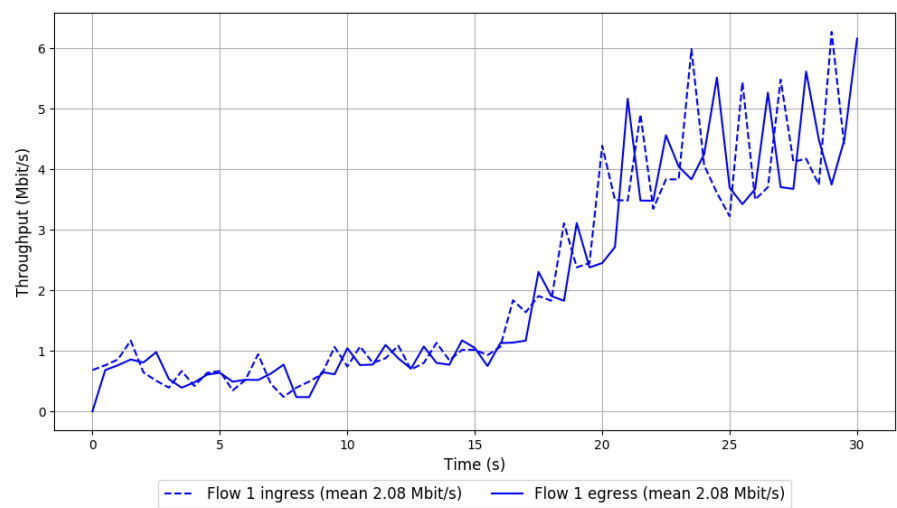


Run 4: Statistics of Sprout

Start at: 2019-01-21 07:23:28  
End at: 2019-01-21 07:23:58  
Local clock offset: -4.045 ms  
Remote clock offset: -40.621 ms

# Below is generated by plot.py at 2019-01-21 09:09:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.08 Mbit/s  
95th percentile per-packet one-way delay: 64.141 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.08 Mbit/s  
95th percentile per-packet one-way delay: 64.141 ms  
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

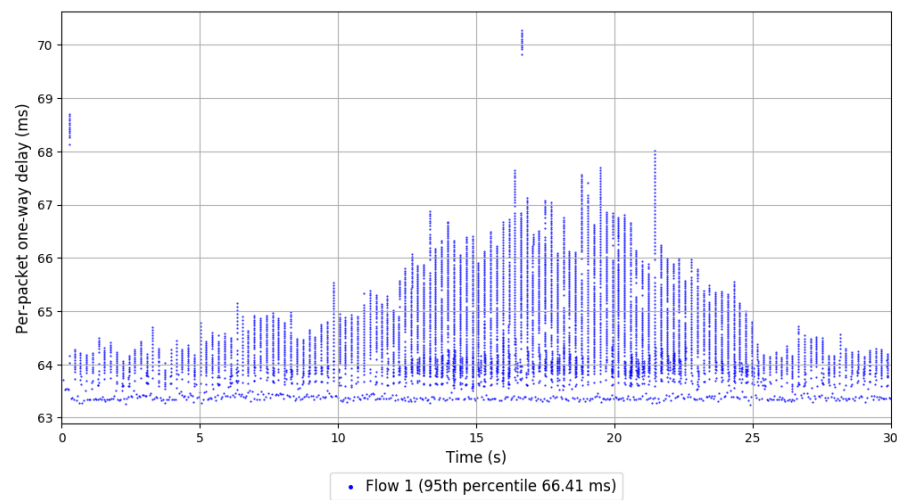
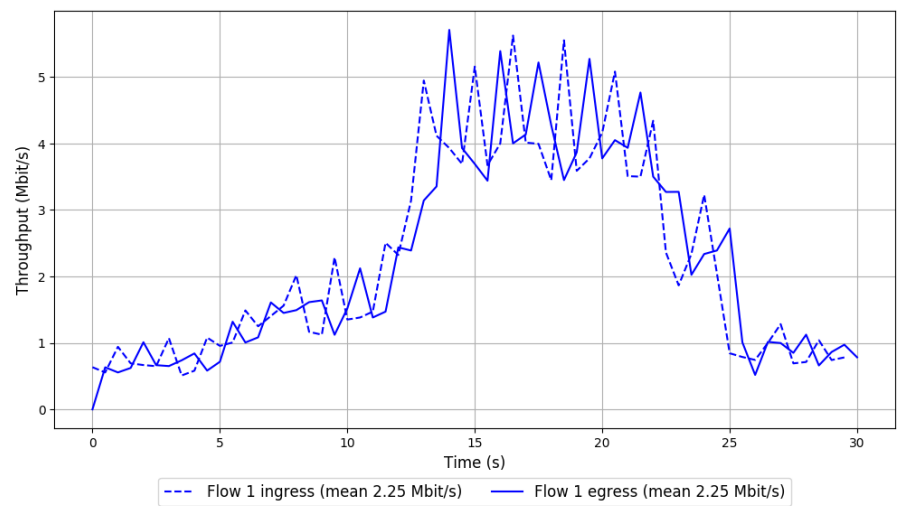


Run 5: Statistics of Sprout

Start at: 2019-01-21 08:30:08  
End at: 2019-01-21 08:30:38  
Local clock offset: -0.213 ms  
Remote clock offset: -35.726 ms

# Below is generated by plot.py at 2019-01-21 09:09:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.25 Mbit/s  
95th percentile per-packet one-way delay: 66.406 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.25 Mbit/s  
95th percentile per-packet one-way delay: 66.406 ms  
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link





Run 1: Statistics of TaoVA-100x

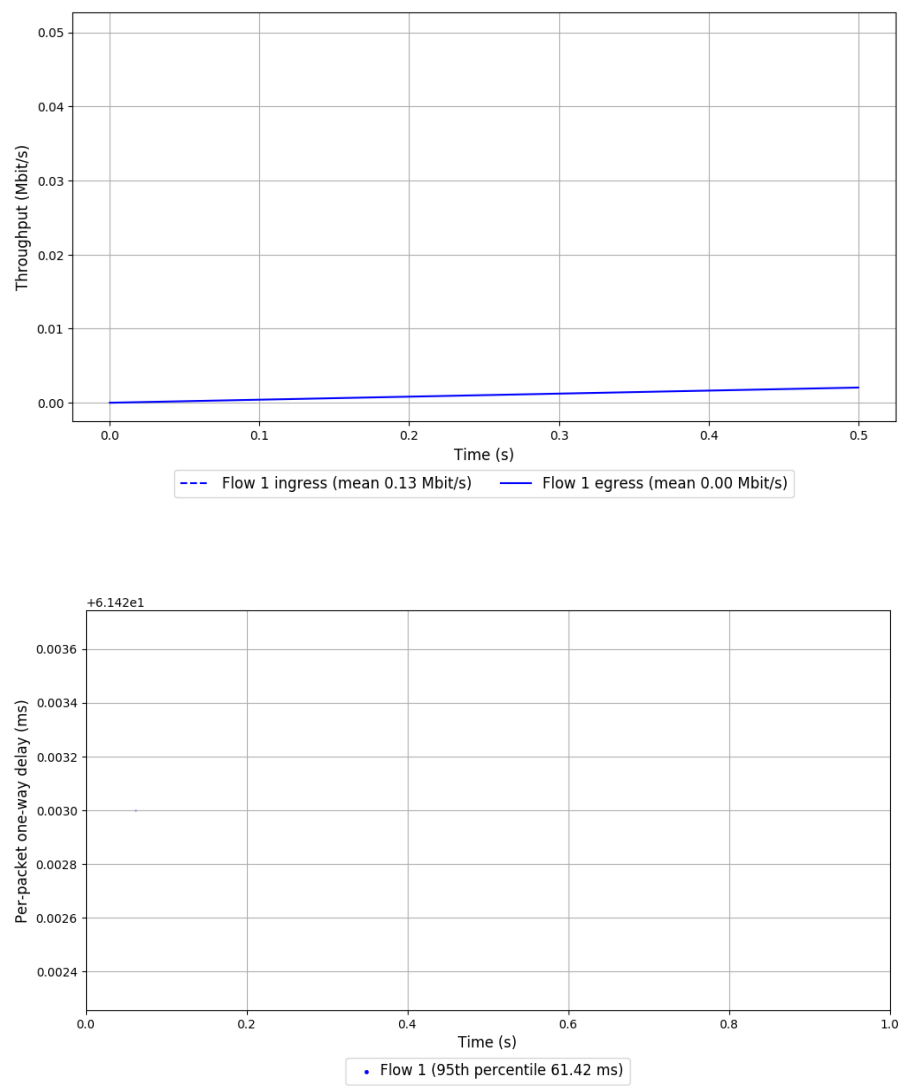
Start at: 2019-01-21 05:06:12

End at: 2019-01-21 05:06:42

Local clock offset: 1.381 ms

Remote clock offset: -41.251 ms

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



Run 2: Statistics of TaoVA-100x

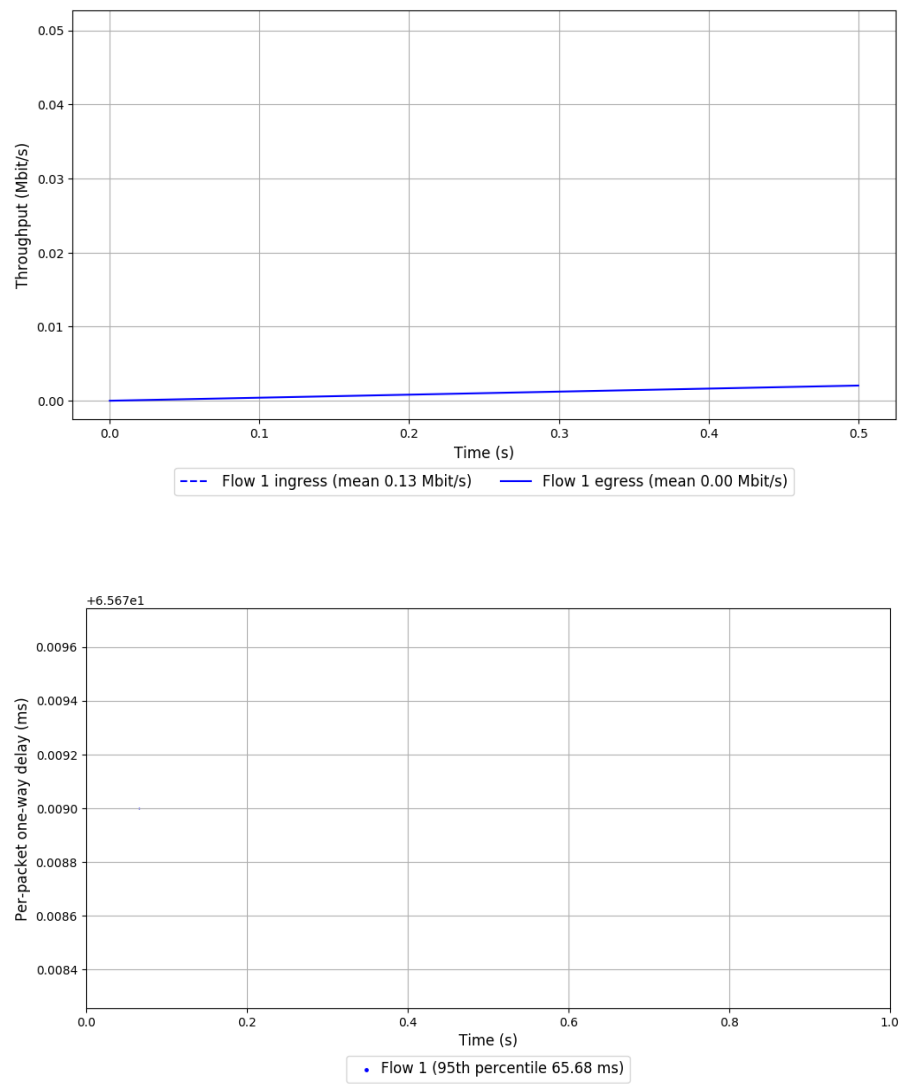
Start at: 2019-01-21 05:39:11

End at: 2019-01-21 05:39:41

Local clock offset: -2.785 ms

Remote clock offset: -36.611 ms

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



Run 3: Statistics of TaoVA-100x

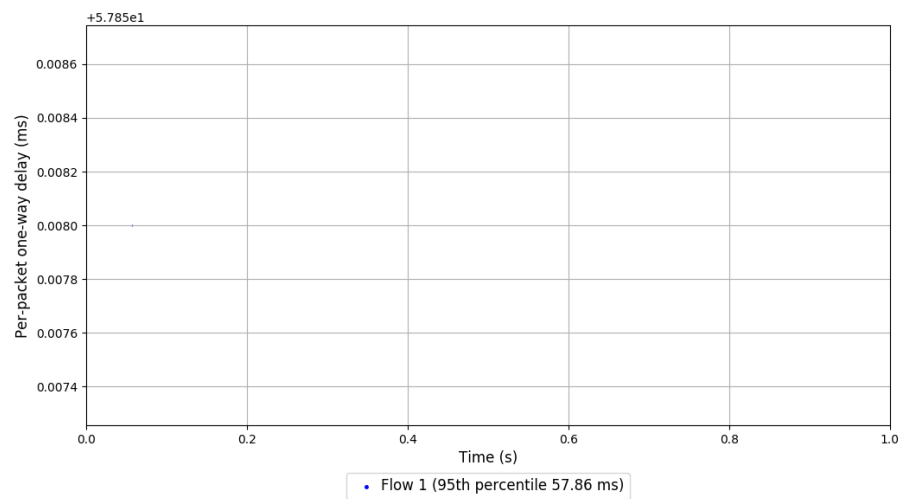
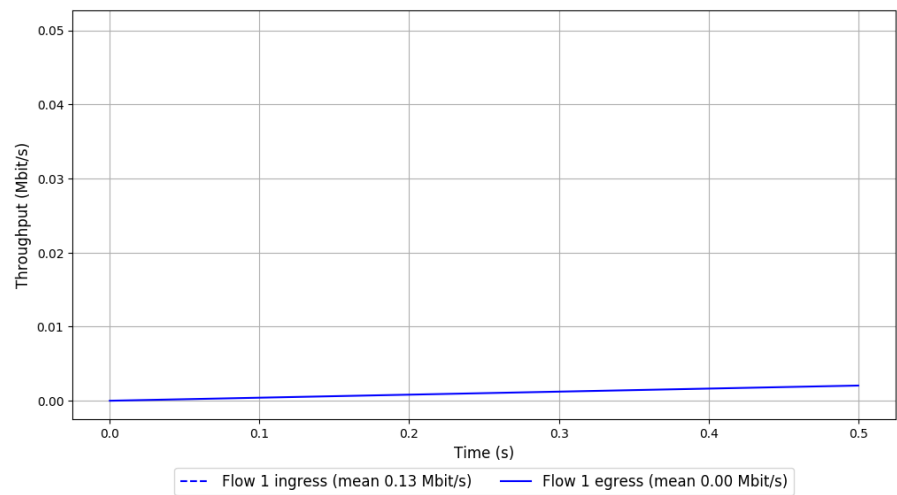
Start at: 2019-01-21 06:17:49

End at: 2019-01-21 06:18:19

Local clock offset: 0.169 ms

Remote clock offset: -40.217 ms

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



Run 4: Statistics of TaoVA-100x

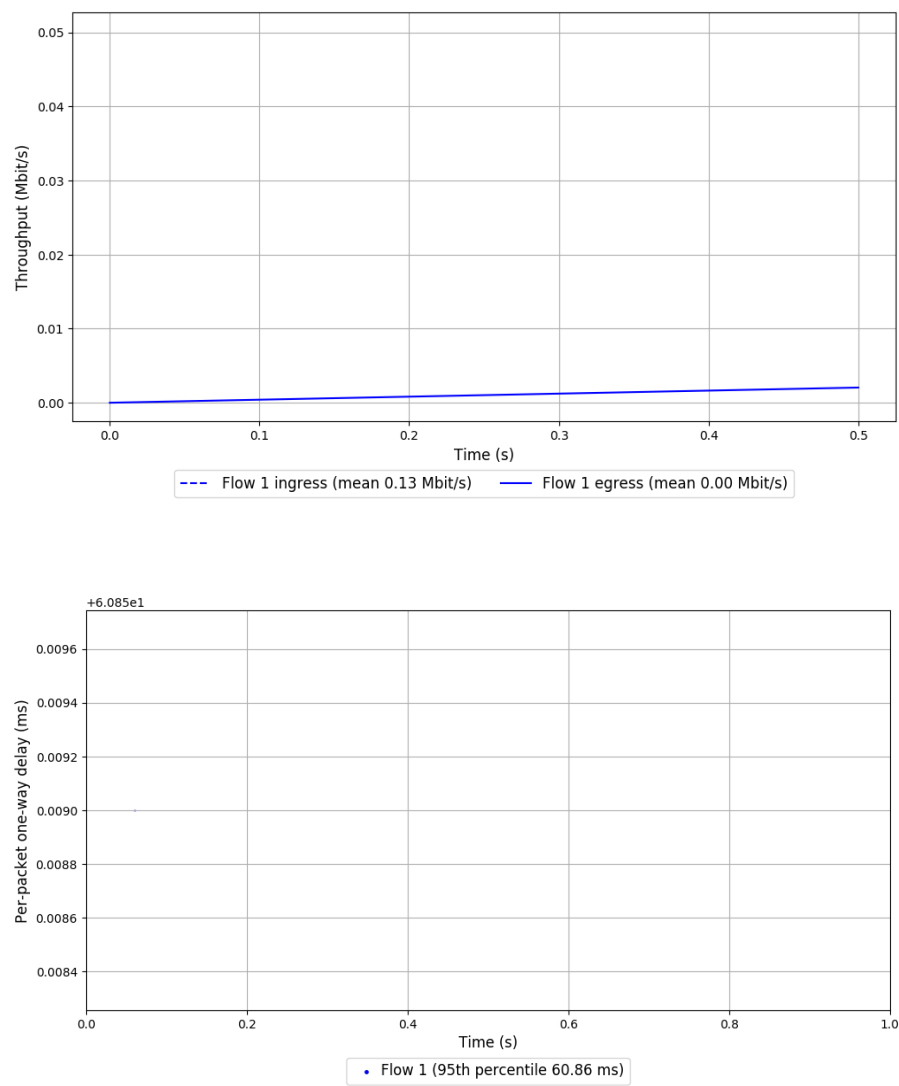
Start at: 2019-01-21 07:02:15

End at: 2019-01-21 07:02:45

Local clock offset: -1.537 ms

Remote clock offset: -39.686 ms

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





Run 5: Statistics of TaoVA-100x

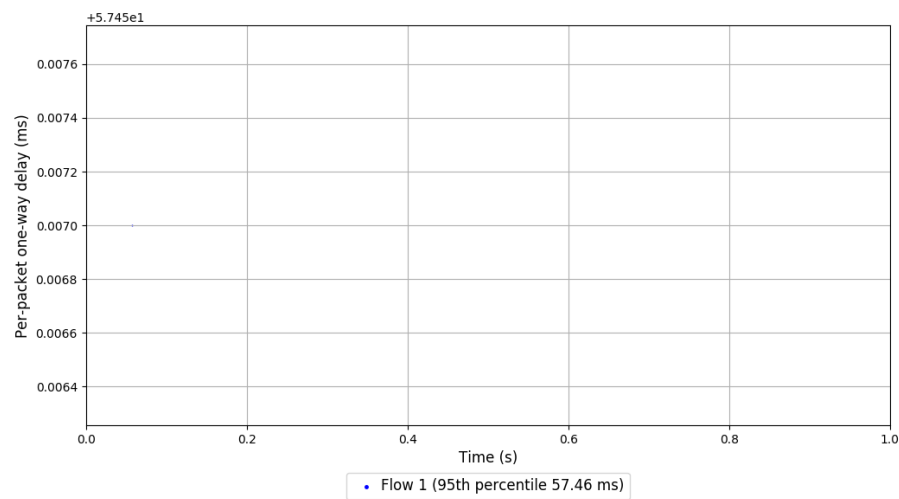
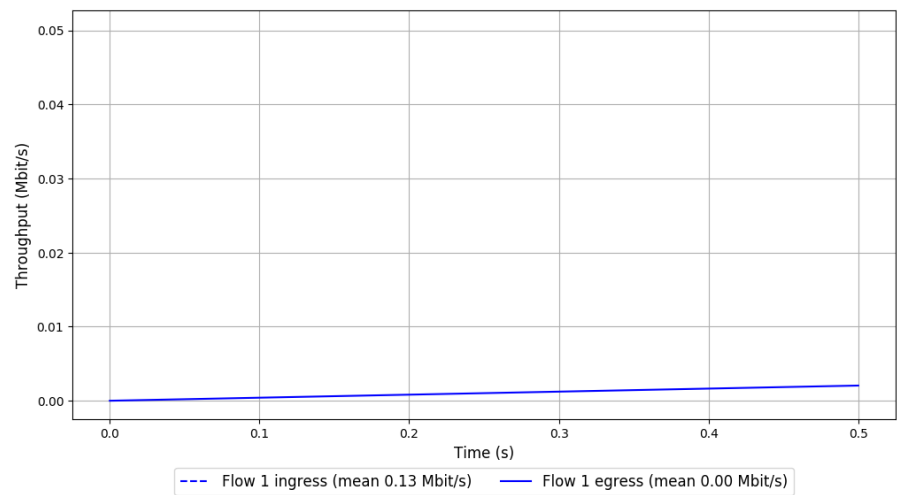
Start at: 2019-01-21 08:03:24

End at: 2019-01-21 08:03:54

Local clock offset: 0.603 ms

Remote clock offset: -41.549 ms

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

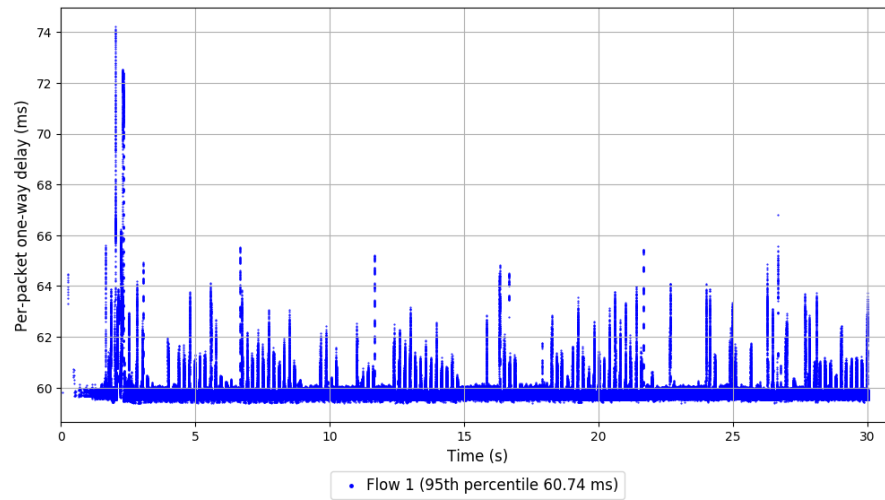
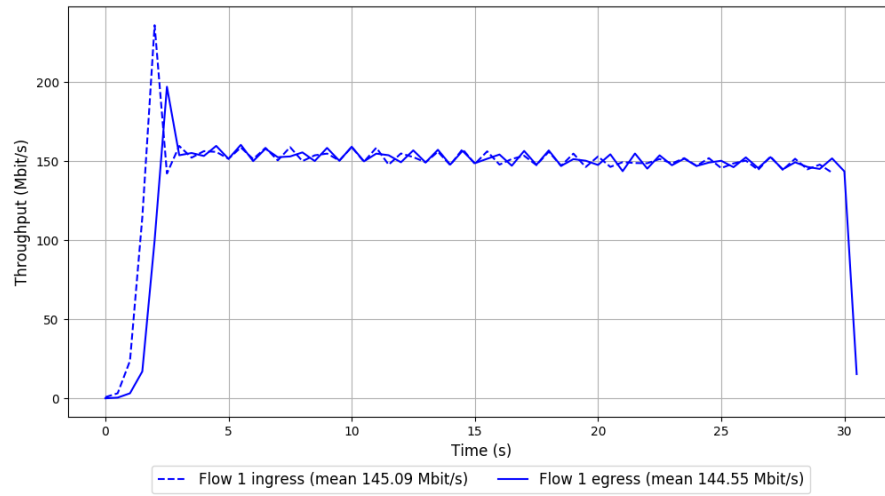


Run 1: Statistics of TCP Vegas

Start at: 2019-01-21 05:03:31  
End at: 2019-01-21 05:04:01  
Local clock offset: 0.742 ms  
Remote clock offset: -41.226 ms

# Below is generated by plot.py at 2019-01-21 09:09:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 144.55 Mbit/s  
95th percentile per-packet one-way delay: 60.744 ms  
Loss rate: 0.37%  
-- Flow 1:  
Average throughput: 144.55 Mbit/s  
95th percentile per-packet one-way delay: 60.744 ms  
Loss rate: 0.37%

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

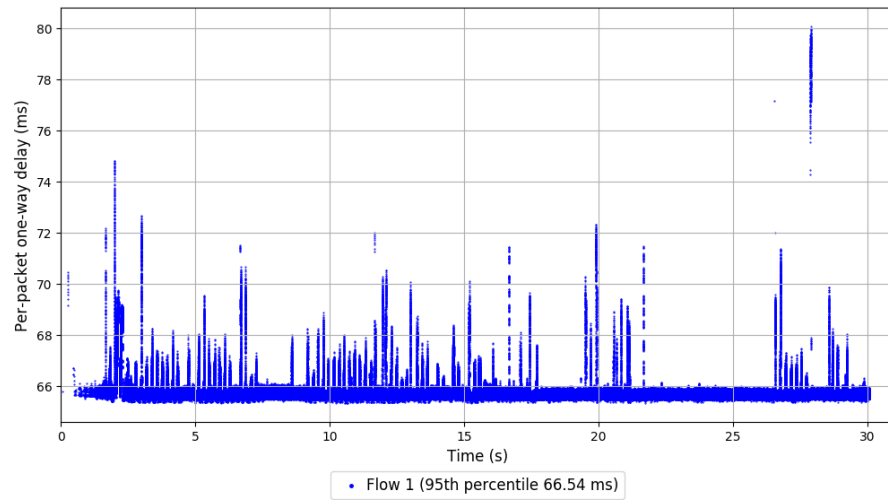
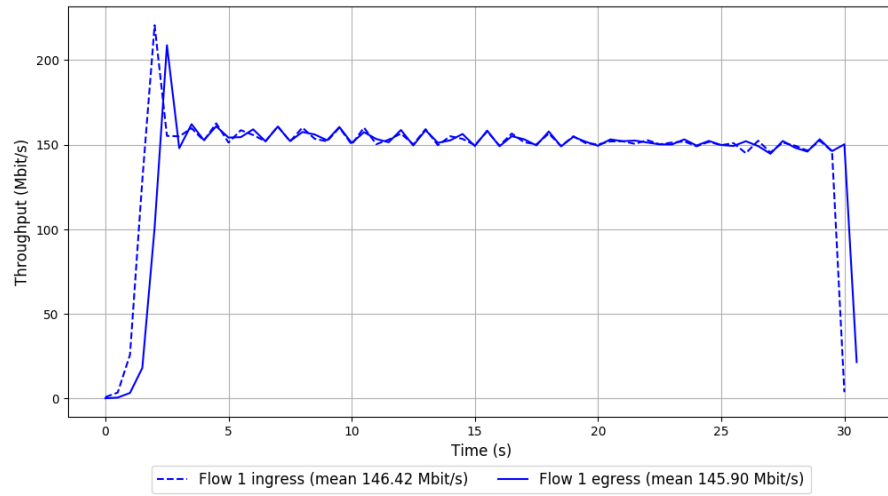


Run 2: Statistics of TCP Vegas

Start at: 2019-01-21 05:36:30  
End at: 2019-01-21 05:37:00  
Local clock offset: 0.093 ms  
Remote clock offset: -33.694 ms

# Below is generated by plot.py at 2019-01-21 09:09:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 145.90 Mbit/s  
95th percentile per-packet one-way delay: 66.540 ms  
Loss rate: 0.36%  
-- Flow 1:  
Average throughput: 145.90 Mbit/s  
95th percentile per-packet one-way delay: 66.540 ms  
Loss rate: 0.36%

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

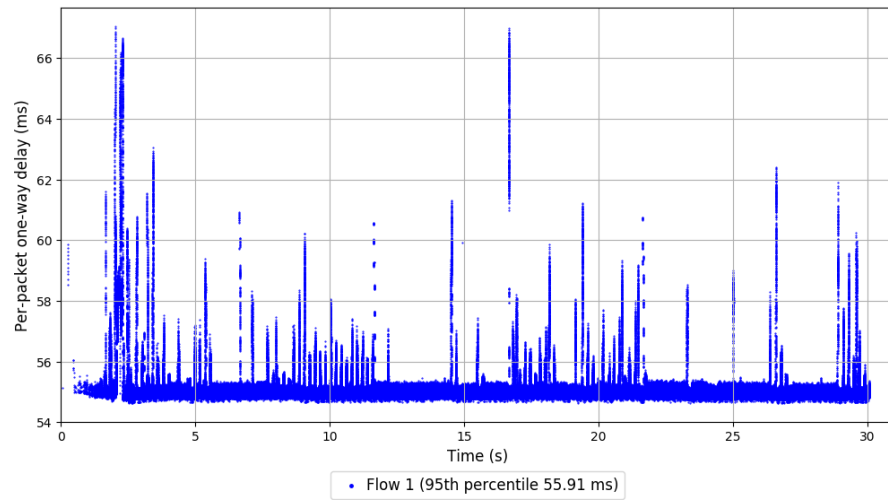
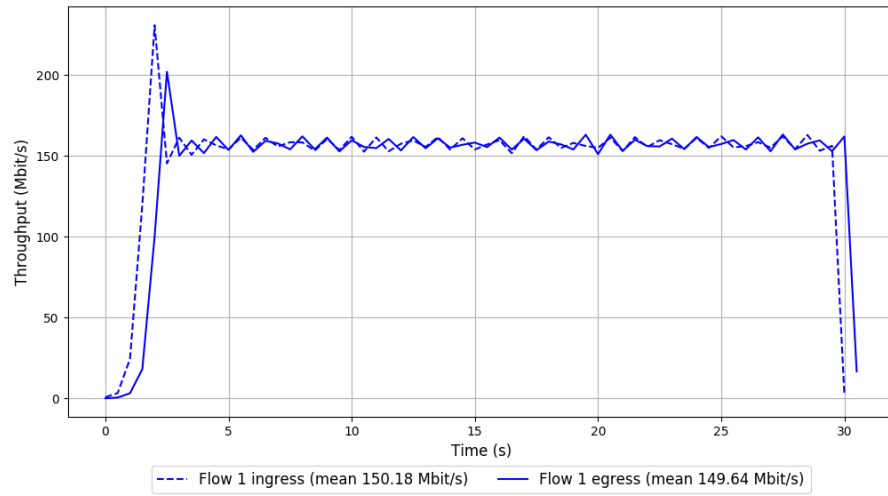


Run 3: Statistics of TCP Vegas

Start at: 2019-01-21 06:15:07  
End at: 2019-01-21 06:15:37  
Local clock offset: -4.079 ms  
Remote clock offset: -46.227 ms

# Below is generated by plot.py at 2019-01-21 09:09:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 149.64 Mbit/s  
95th percentile per-packet one-way delay: 55.914 ms  
Loss rate: 0.36%  
-- Flow 1:  
Average throughput: 149.64 Mbit/s  
95th percentile per-packet one-way delay: 55.914 ms  
Loss rate: 0.36%

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



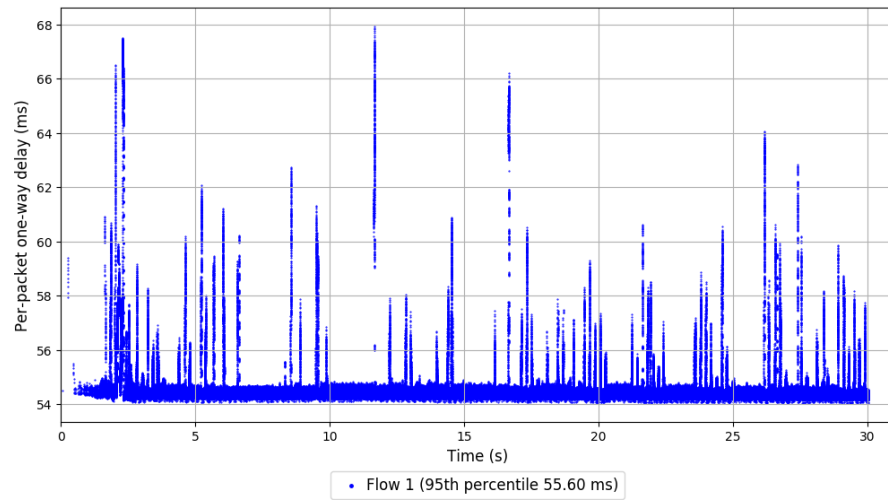
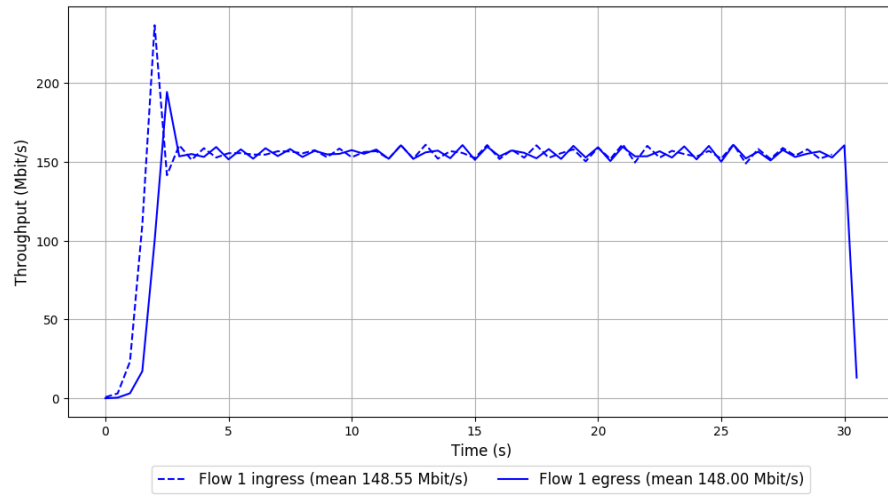


Run 4: Statistics of TCP Vegas

Start at: 2019-01-21 06:59:24  
End at: 2019-01-21 06:59:54  
Local clock offset: 1.726 ms  
Remote clock offset: -45.484 ms

# Below is generated by plot.py at 2019-01-21 09:09:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 148.00 Mbit/s  
95th percentile per-packet one-way delay: 55.597 ms  
Loss rate: 0.37%  
-- Flow 1:  
Average throughput: 148.00 Mbit/s  
95th percentile per-packet one-way delay: 55.597 ms  
Loss rate: 0.37%

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

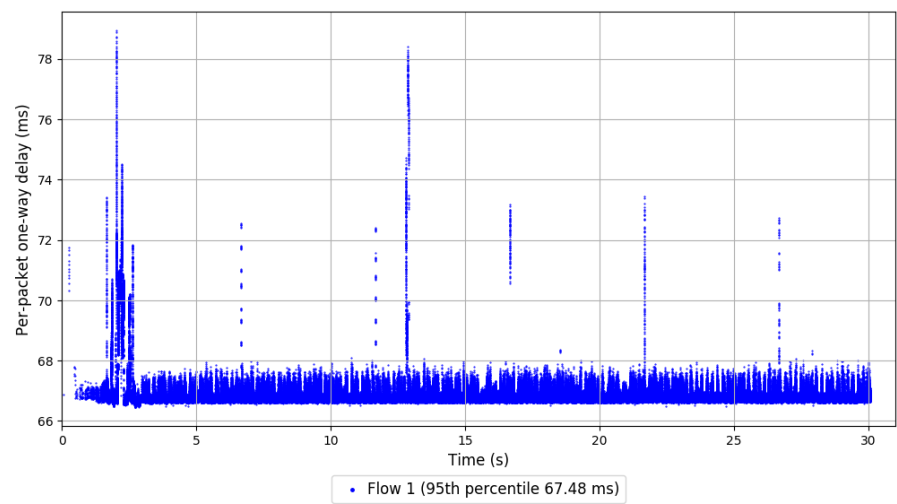
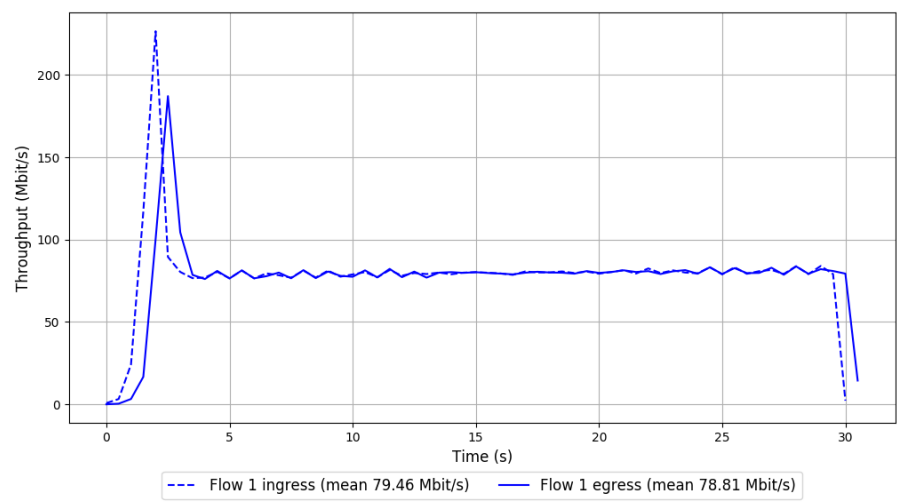


Run 5: Statistics of TCP Vegas

Start at: 2019-01-21 08:00:43  
End at: 2019-01-21 08:01:13  
Local clock offset: 0.321 ms  
Remote clock offset: -32.38 ms

# Below is generated by plot.py at 2019-01-21 09:09:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 78.81 Mbit/s  
95th percentile per-packet one-way delay: 67.483 ms  
Loss rate: 0.82%  
-- Flow 1:  
Average throughput: 78.81 Mbit/s  
95th percentile per-packet one-way delay: 67.483 ms  
Loss rate: 0.82%

Run 5: Report of TCP Vegas — Data Link

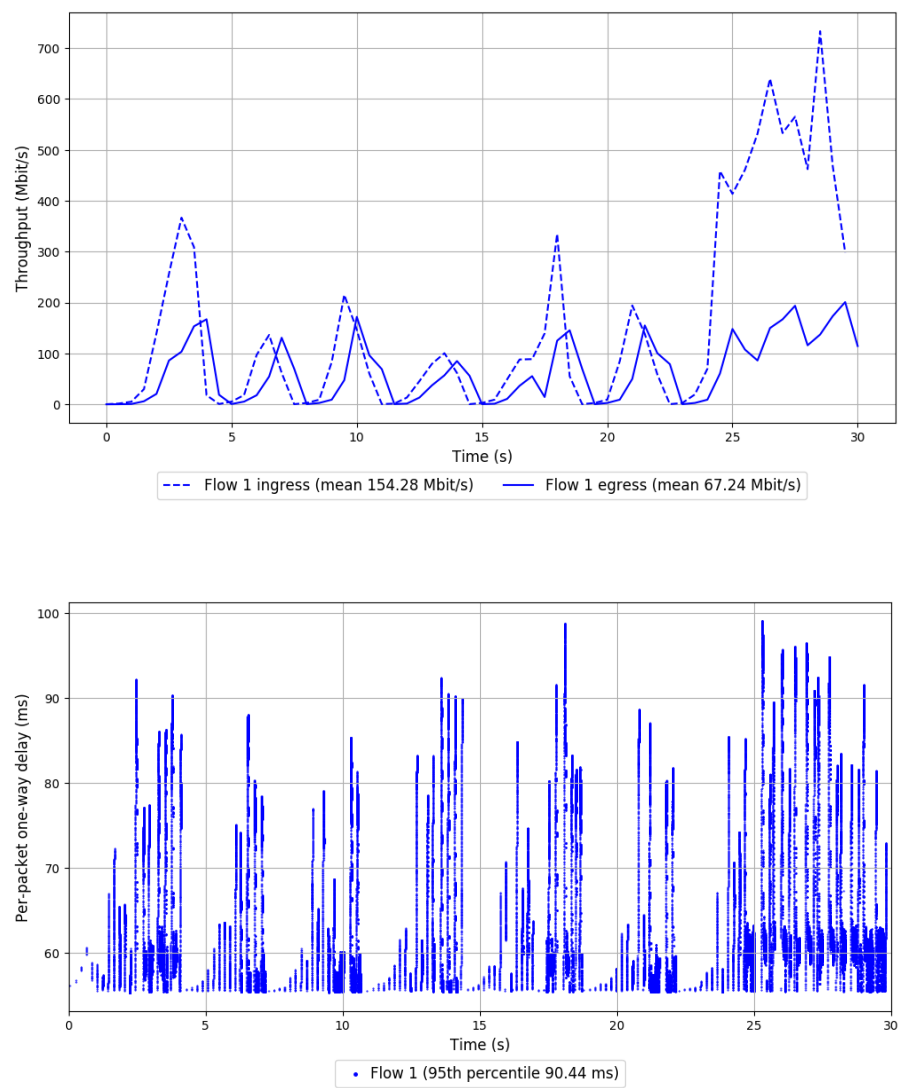


Run 1: Statistics of Verus

Start at: 2019-01-21 04:58:09  
End at: 2019-01-21 04:58:39  
Local clock offset: 0.876 ms  
Remote clock offset: -47.048 ms

# Below is generated by plot.py at 2019-01-21 09:09:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 67.24 Mbit/s  
95th percentile per-packet one-way delay: 90.441 ms  
Loss rate: 56.39%  
-- Flow 1:  
Average throughput: 67.24 Mbit/s  
95th percentile per-packet one-way delay: 90.441 ms  
Loss rate: 56.39%

Run 1: Report of Verus — Data Link

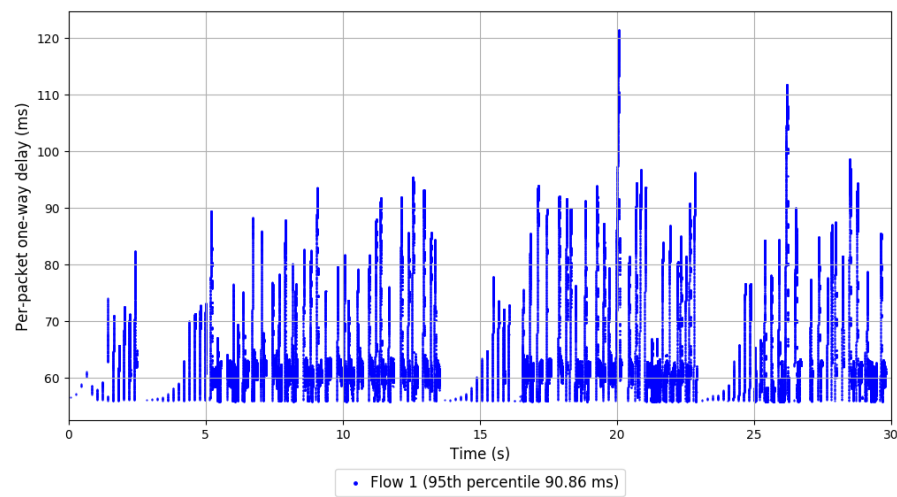
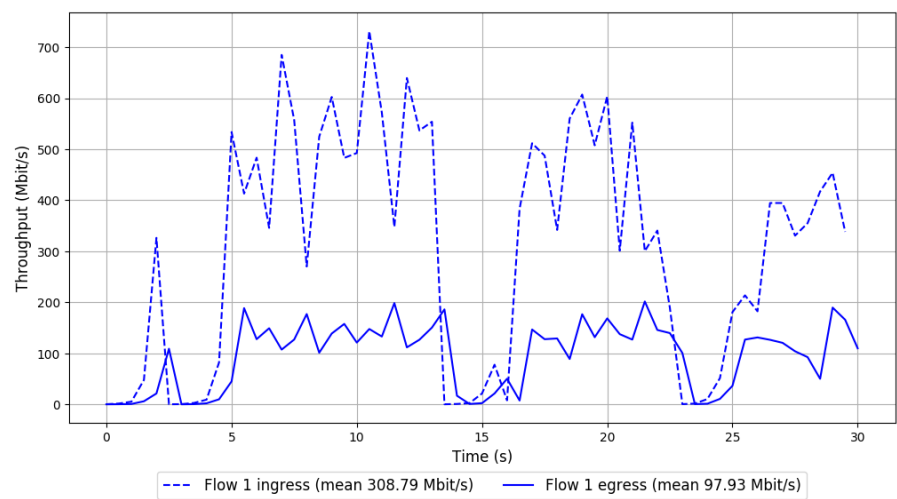


Run 2: Statistics of Verus

Start at: 2019-01-21 05:31:05  
End at: 2019-01-21 05:31:35  
Local clock offset: -4.808 ms  
Remote clock offset: -48.608 ms

# Below is generated by plot.py at 2019-01-21 09:09:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.93 Mbit/s  
95th percentile per-packet one-way delay: 90.865 ms  
Loss rate: 68.28%  
-- Flow 1:  
Average throughput: 97.93 Mbit/s  
95th percentile per-packet one-way delay: 90.865 ms  
Loss rate: 68.28%

Run 2: Report of Verus — Data Link



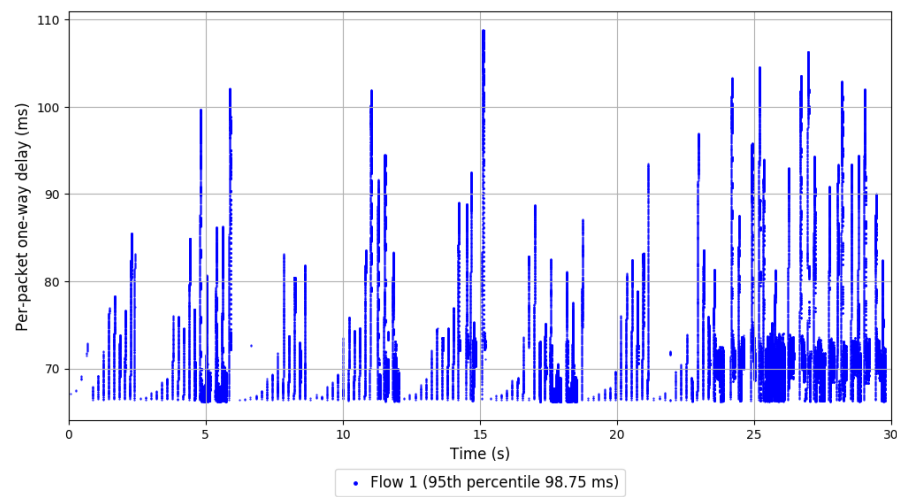
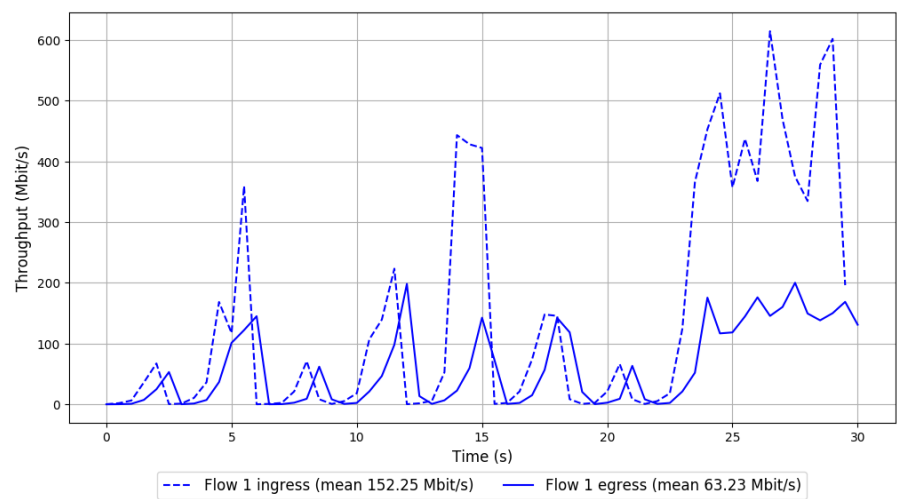


Run 3: Statistics of Verus

Start at: 2019-01-21 06:09:37  
End at: 2019-01-21 06:10:07  
Local clock offset: -0.948 ms  
Remote clock offset: -34.811 ms

# Below is generated by plot.py at 2019-01-21 09:09:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 63.23 Mbit/s  
95th percentile per-packet one-way delay: 98.752 ms  
Loss rate: 58.46%  
-- Flow 1:  
Average throughput: 63.23 Mbit/s  
95th percentile per-packet one-way delay: 98.752 ms  
Loss rate: 58.46%

Run 3: Report of Verus — Data Link

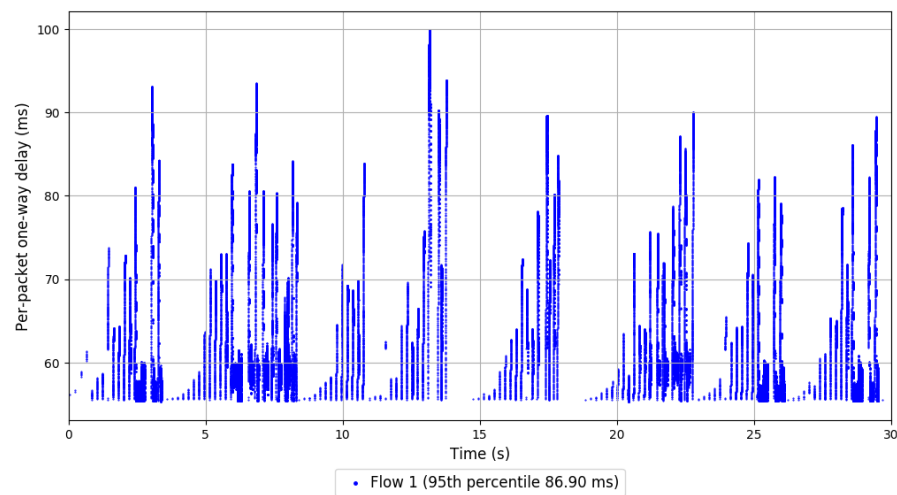
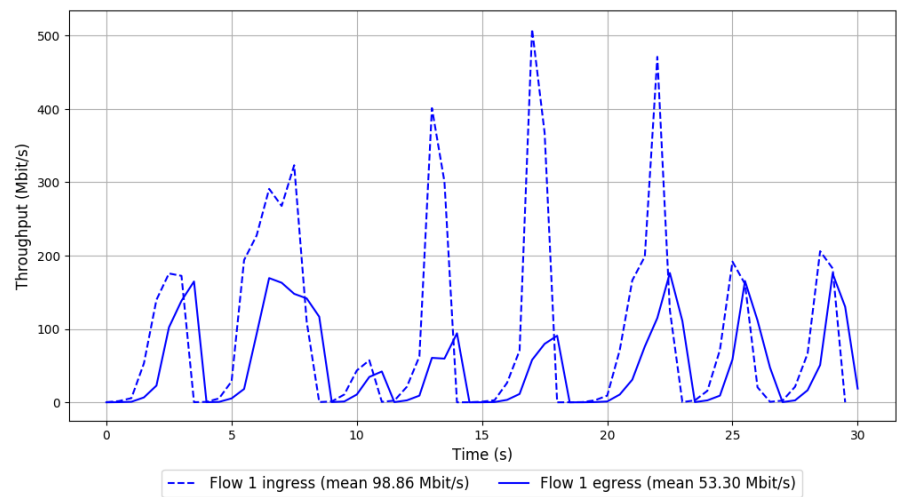


Run 4: Statistics of Verus

Start at: 2019-01-21 06:42:51  
End at: 2019-01-21 06:43:21  
Local clock offset: 0.542 ms  
Remote clock offset: -44.181 ms

# Below is generated by plot.py at 2019-01-21 09:09:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 53.30 Mbit/s  
95th percentile per-packet one-way delay: 86.902 ms  
Loss rate: 46.09%  
-- Flow 1:  
Average throughput: 53.30 Mbit/s  
95th percentile per-packet one-way delay: 86.902 ms  
Loss rate: 46.09%

Run 4: Report of Verus — Data Link

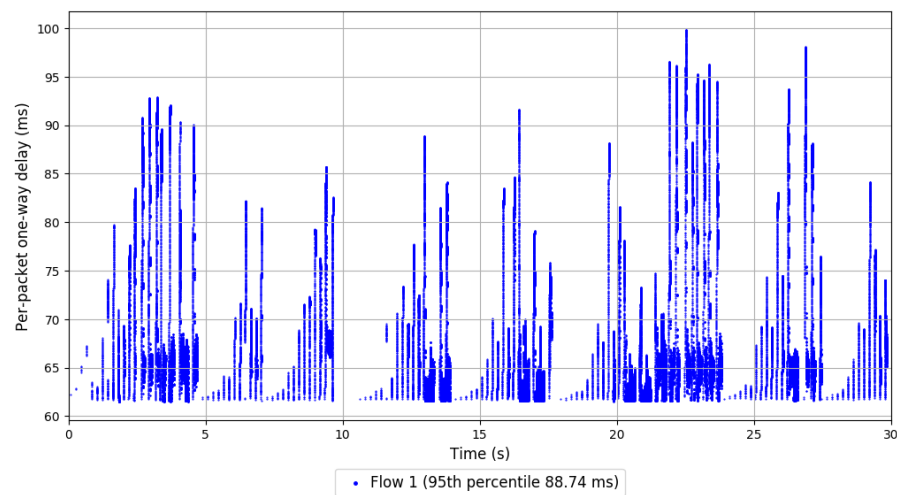
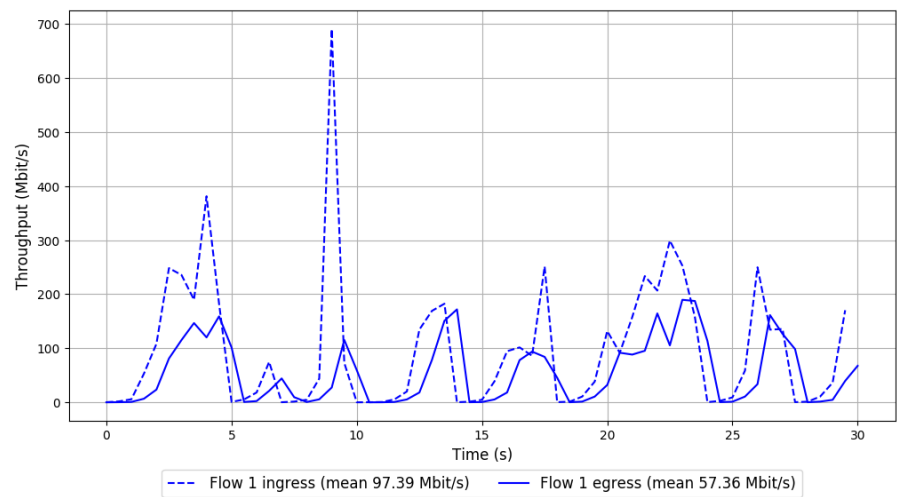


Run 5: Statistics of Verus

Start at: 2019-01-21 07:49:32  
End at: 2019-01-21 07:50:02  
Local clock offset: -4.442 ms  
Remote clock offset: -41.206 ms

# Below is generated by plot.py at 2019-01-21 09:09:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 57.36 Mbit/s  
95th percentile per-packet one-way delay: 88.741 ms  
Loss rate: 41.09%  
-- Flow 1:  
Average throughput: 57.36 Mbit/s  
95th percentile per-packet one-way delay: 88.741 ms  
Loss rate: 41.09%

Run 5: Report of Verus — Data Link

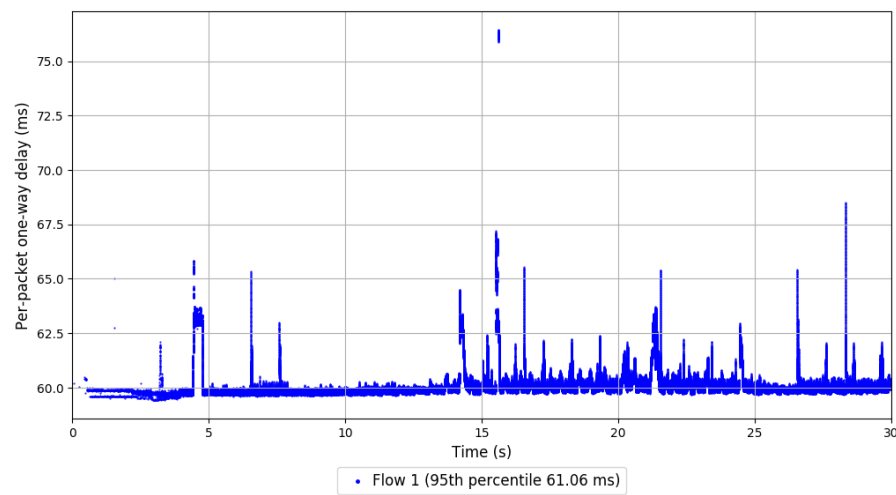
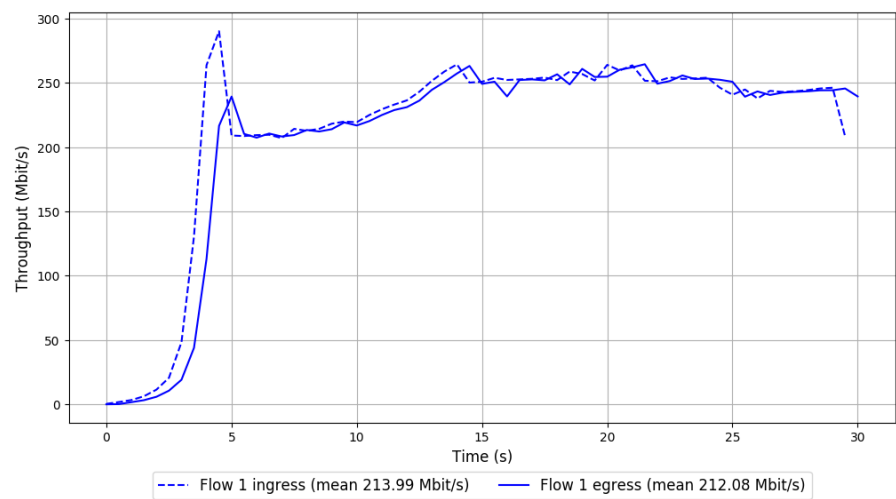


Run 1: Statistics of PCC-Vivace

Start at: 2019-01-21 05:04:48  
End at: 2019-01-21 05:05:18  
Local clock offset: 1.185 ms  
Remote clock offset: -40.326 ms

# Below is generated by plot.py at 2019-01-21 09:10:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 212.08 Mbit/s  
95th percentile per-packet one-way delay: 61.057 ms  
Loss rate: 0.89%  
-- Flow 1:  
Average throughput: 212.08 Mbit/s  
95th percentile per-packet one-way delay: 61.057 ms  
Loss rate: 0.89%

Run 1: Report of PCC-Vivace — Data Link



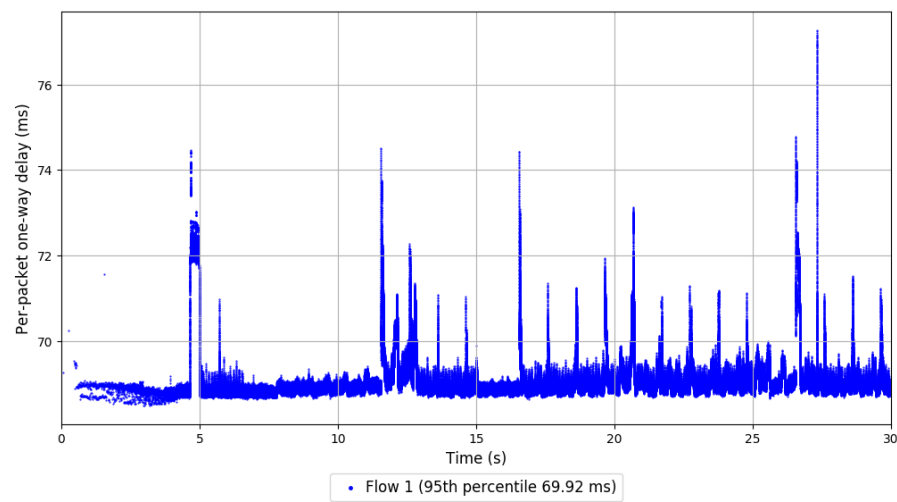
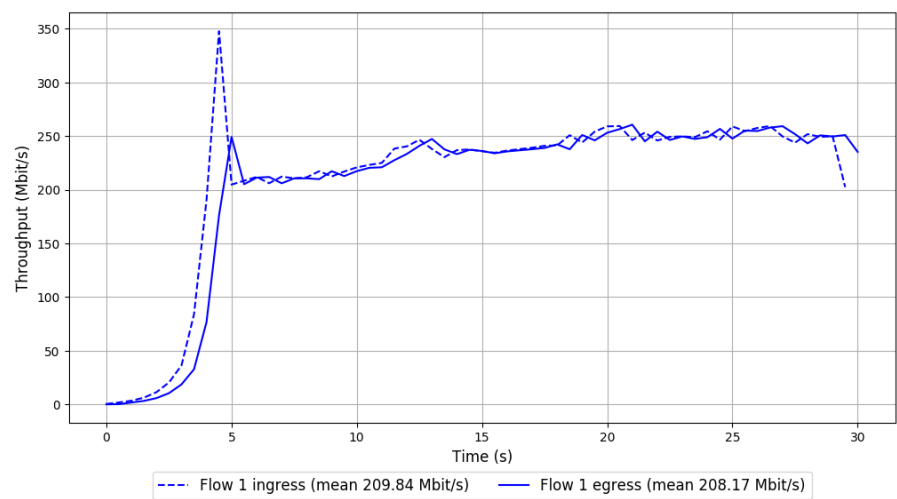


Run 2: Statistics of PCC-Vivace

Start at: 2019-01-21 05:37:47  
End at: 2019-01-21 05:38:17  
Local clock offset: -0.554 ms  
Remote clock offset: -33.404 ms

# Below is generated by plot.py at 2019-01-21 09:10:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 208.17 Mbit/s  
95th percentile per-packet one-way delay: 69.920 ms  
Loss rate: 0.80%  
-- Flow 1:  
Average throughput: 208.17 Mbit/s  
95th percentile per-packet one-way delay: 69.920 ms  
Loss rate: 0.80%

Run 2: Report of PCC-Vivace — Data Link

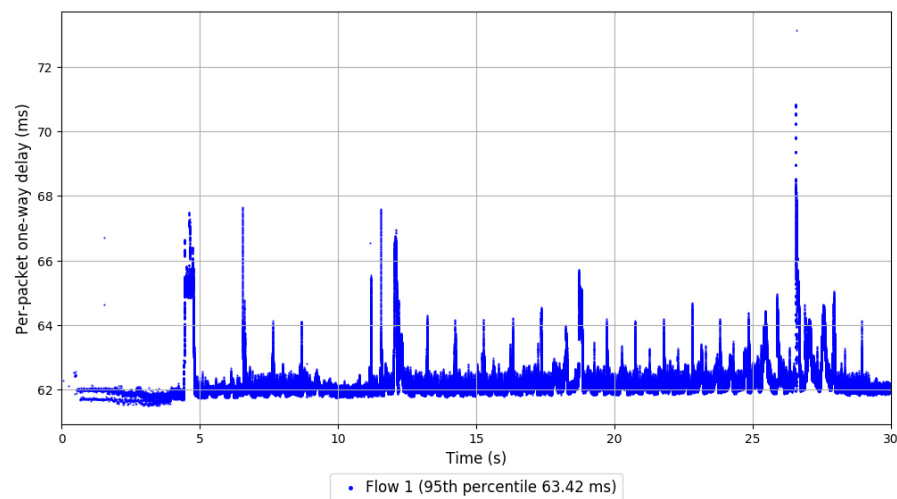
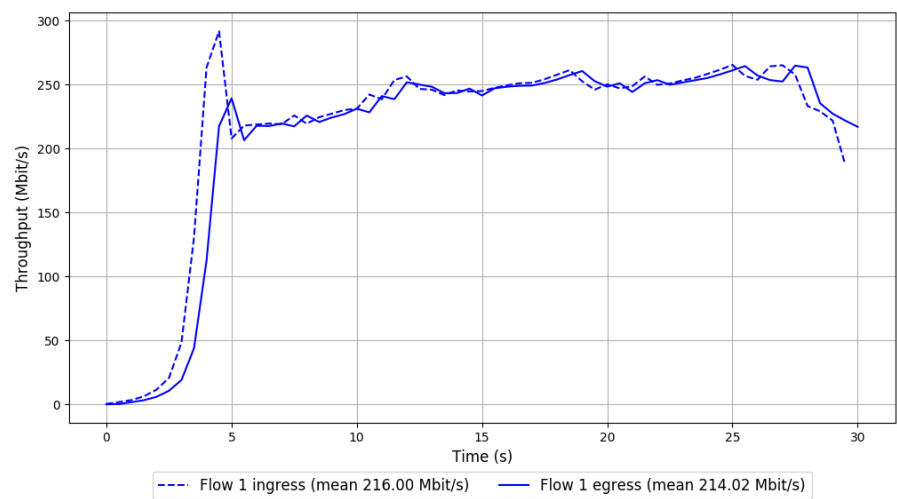


Run 3: Statistics of PCC-Vivace

Start at: 2019-01-21 06:16:25  
End at: 2019-01-21 06:16:55  
Local clock offset: -3.484 ms  
Remote clock offset: -38.939 ms

# Below is generated by plot.py at 2019-01-21 09:10:49  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 214.02 Mbit/s  
95th percentile per-packet one-way delay: 63.418 ms  
Loss rate: 0.92%  
-- Flow 1:  
Average throughput: 214.02 Mbit/s  
95th percentile per-packet one-way delay: 63.418 ms  
Loss rate: 0.92%

Run 3: Report of PCC-Vivace — Data Link

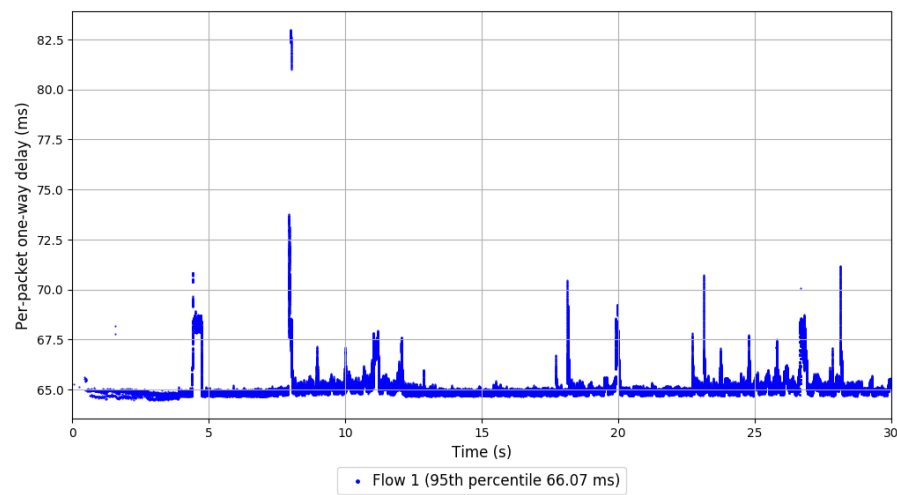
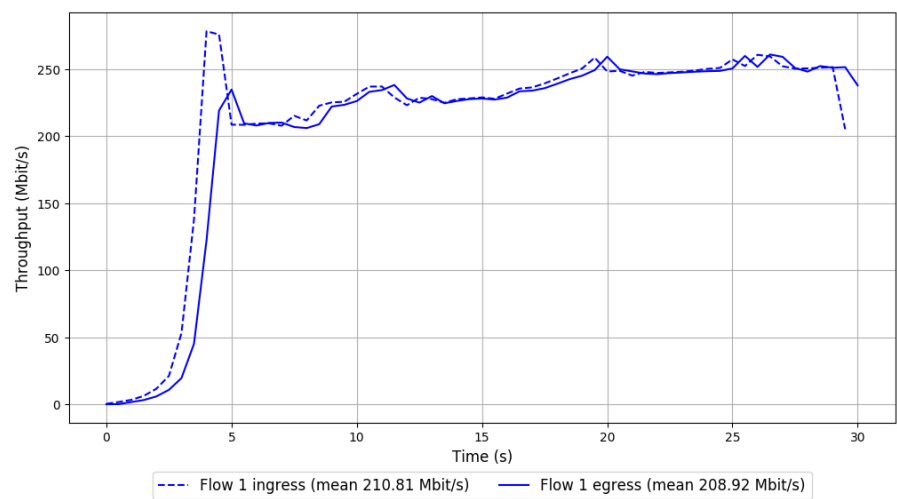


Run 4: Statistics of PCC-Vivace

Start at: 2019-01-21 07:00:50  
End at: 2019-01-21 07:01:20  
Local clock offset: -1.061 ms  
Remote clock offset: -34.679 ms

# Below is generated by plot.py at 2019-01-21 09:10:51  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 208.92 Mbit/s  
95th percentile per-packet one-way delay: 66.066 ms  
Loss rate: 0.90%  
-- Flow 1:  
Average throughput: 208.92 Mbit/s  
95th percentile per-packet one-way delay: 66.066 ms  
Loss rate: 0.90%

Run 4: Report of PCC-Vivace — Data Link

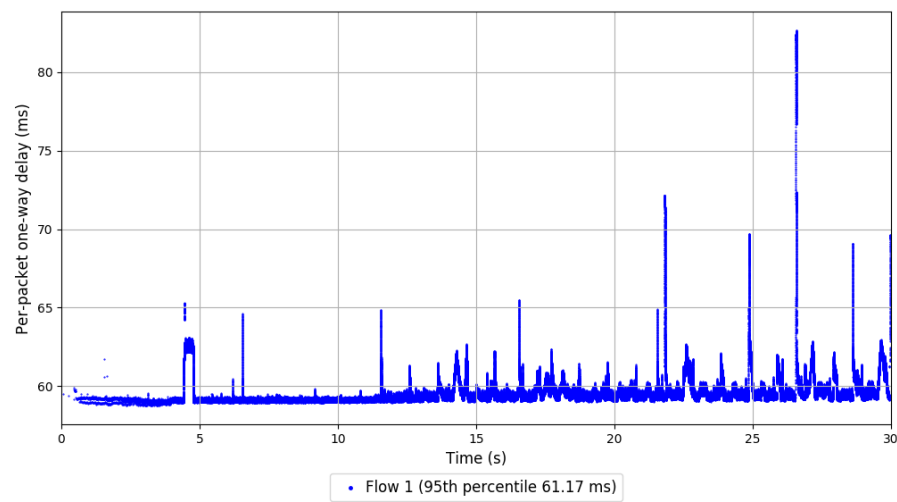
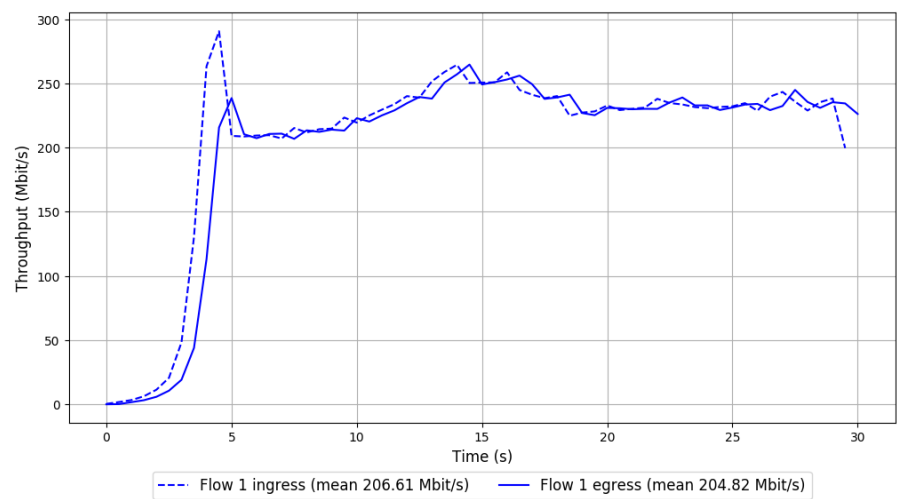


Run 5: Statistics of PCC-Vivace

Start at: 2019-01-21 08:02:00  
End at: 2019-01-21 08:02:30  
Local clock offset: -0.286 ms  
Remote clock offset: -40.553 ms

# Below is generated by plot.py at 2019-01-21 09:10:51  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 204.82 Mbit/s  
95th percentile per-packet one-way delay: 61.171 ms  
Loss rate: 0.86%  
-- Flow 1:  
Average throughput: 204.82 Mbit/s  
95th percentile per-packet one-way delay: 61.171 ms  
Loss rate: 0.86%

Run 5: Report of PCC-Vivace — Data Link



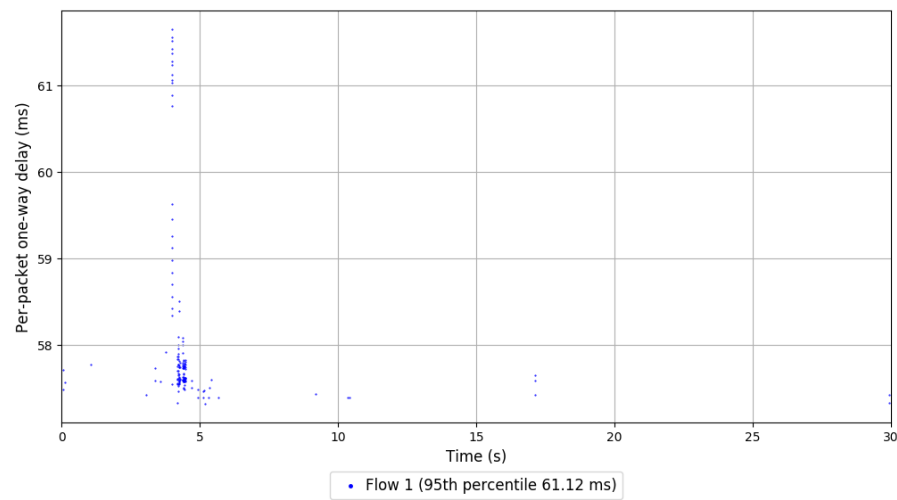
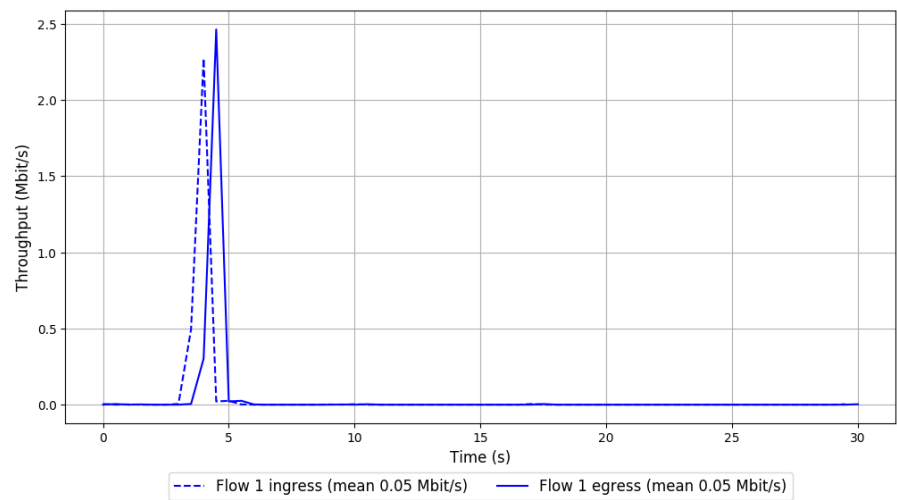


Run 1: Statistics of WebRTC media

Start at: 2019-01-21 05:11:07  
End at: 2019-01-21 05:11:37  
Local clock offset: 2.66 ms  
Remote clock offset: -41.738 ms

# Below is generated by plot.py at 2019-01-21 09:10:51  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 61.123 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 61.123 ms  
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

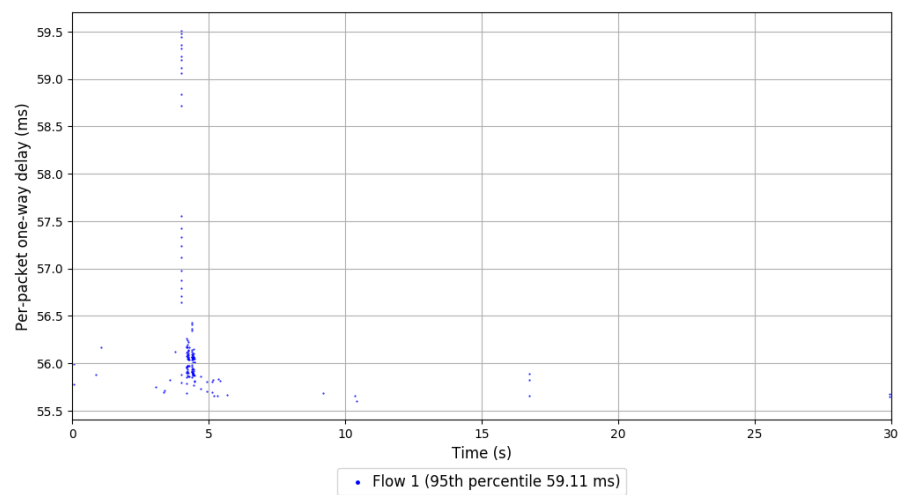
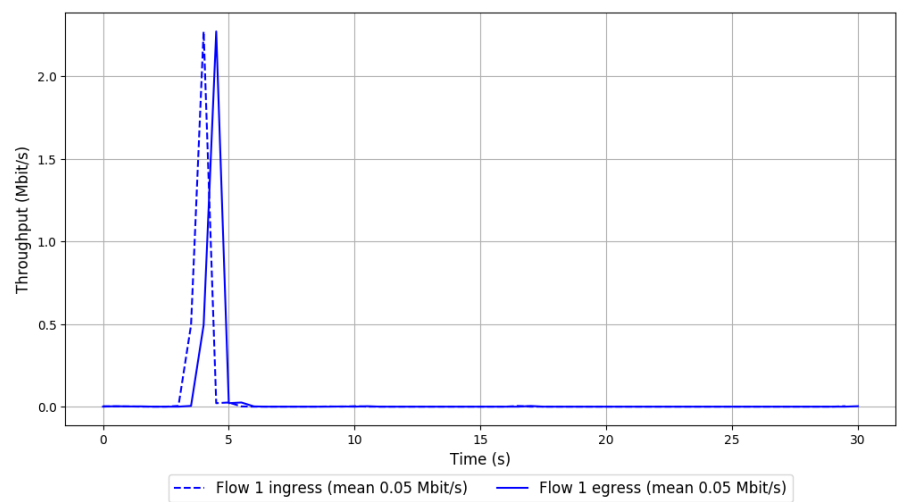


Run 2: Statistics of WebRTC media

Start at: 2019-01-21 05:44:09  
End at: 2019-01-21 05:44:39  
Local clock offset: -2.847 ms  
Remote clock offset: -46.157 ms

# Below is generated by plot.py at 2019-01-21 09:10:51  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 59.112 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 59.112 ms  
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

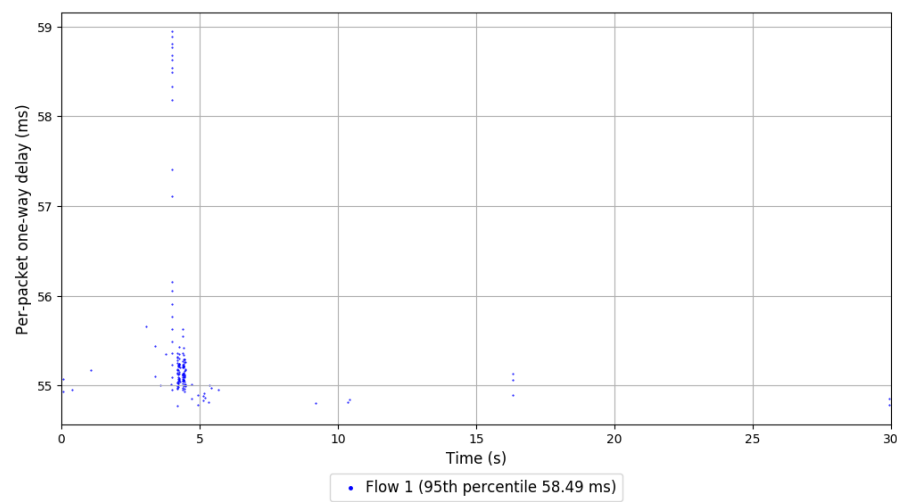
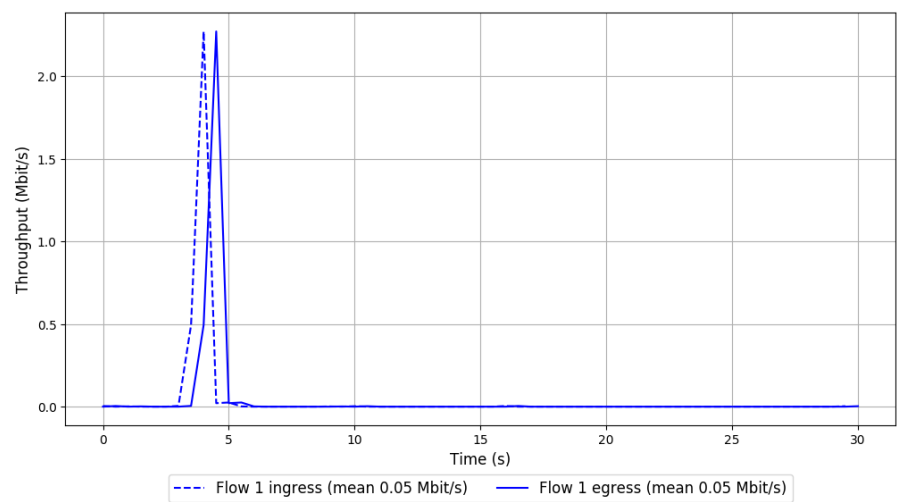


Run 3: Statistics of WebRTC media

Start at: 2019-01-21 06:22:46  
End at: 2019-01-21 06:23:16  
Local clock offset: -1.637 ms  
Remote clock offset: -45.546 ms

# Below is generated by plot.py at 2019-01-21 09:10:51  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 58.493 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 58.493 ms  
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

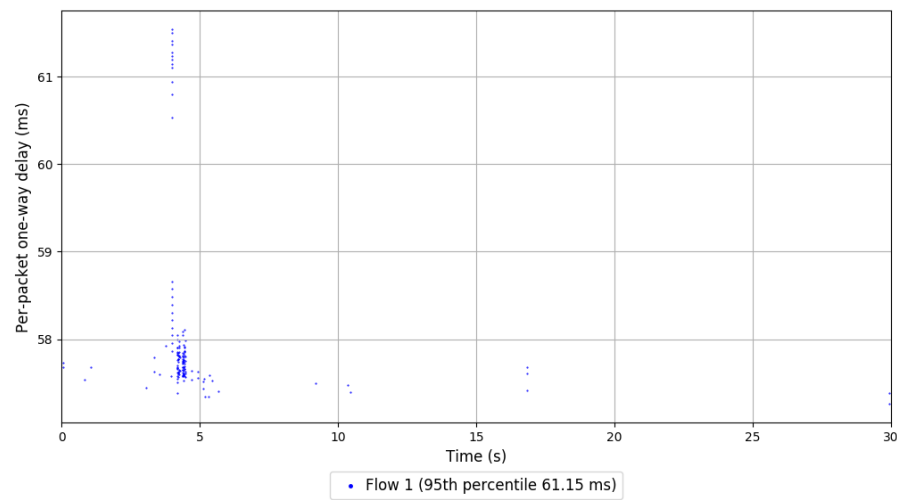
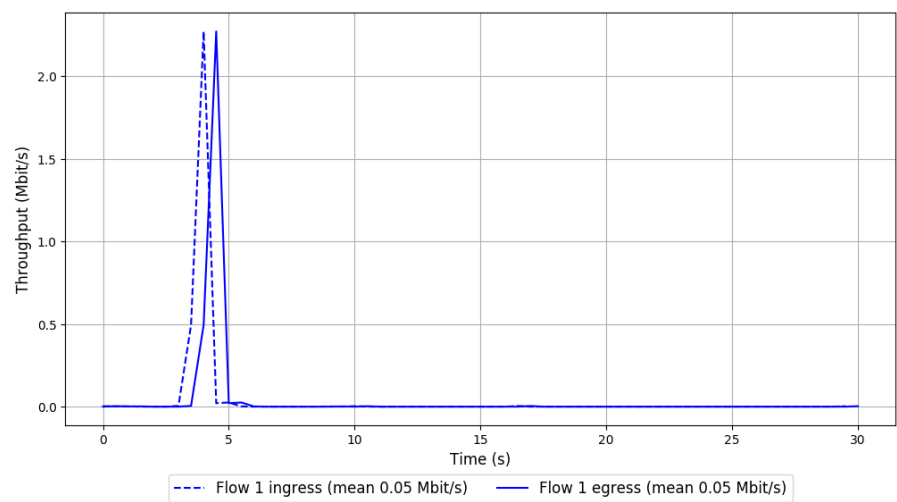


Run 4: Statistics of WebRTC media

Start at: 2019-01-21 07:12:52  
End at: 2019-01-21 07:13:22  
Local clock offset: -0.026 ms  
Remote clock offset: -41.127 ms

# Below is generated by plot.py at 2019-01-21 09:10:51  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 61.149 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 61.149 ms  
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link





Run 5: Statistics of WebRTC media

Start at: 2019-01-21 08:19:32  
End at: 2019-01-21 08:20:02  
Local clock offset: 0.171 ms  
Remote clock offset: -45.804 ms

# Below is generated by plot.py at 2019-01-21 09:10:51  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 57.118 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 57.118 ms  
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

