

Pantheon Report

Generated at 2019-03-09 21:04:56 (UTC).

Data path: GCE London on *ens4 (local)* → GCE Iowa on *ens4 (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 `time.google.com` and have been applied to correct the timestamps in logs.

System info:

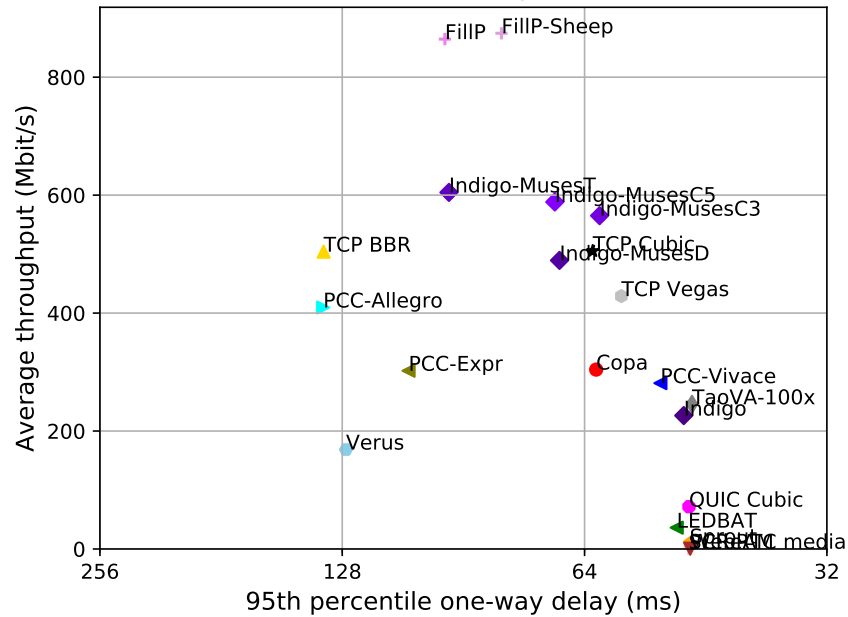
```
Linux 4.15.0-1026-gcp
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

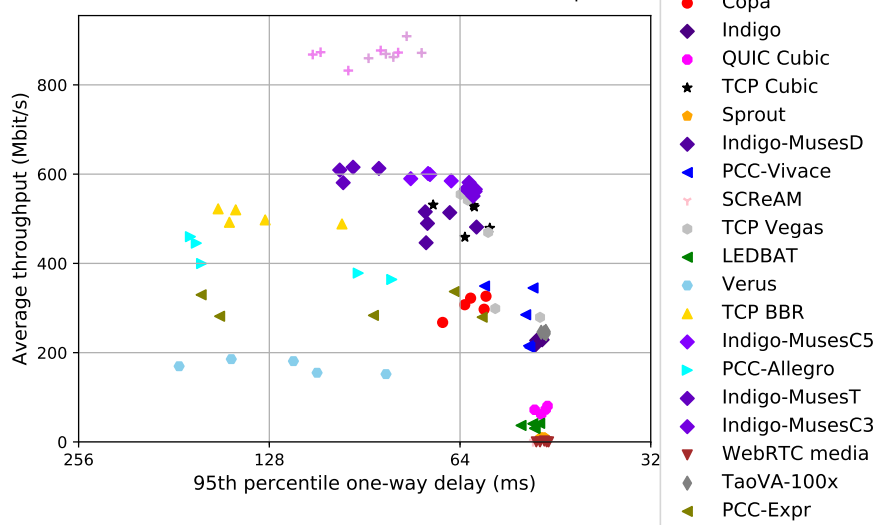
```
branch: muses @ 7a686f7c2ed0a333082c0bab1fa5c921ab47e6ee
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd9c077e64d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



test from GCE London to GCE Iowa, 5 runs of 30s each per scheme



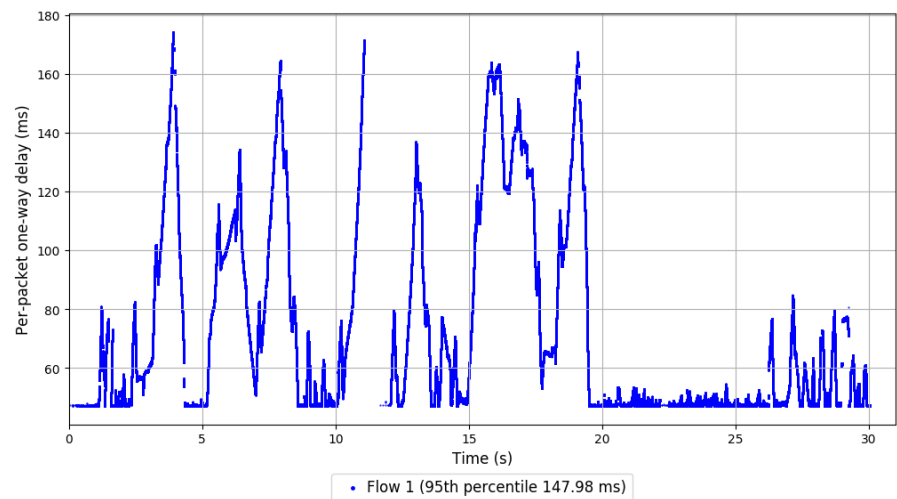
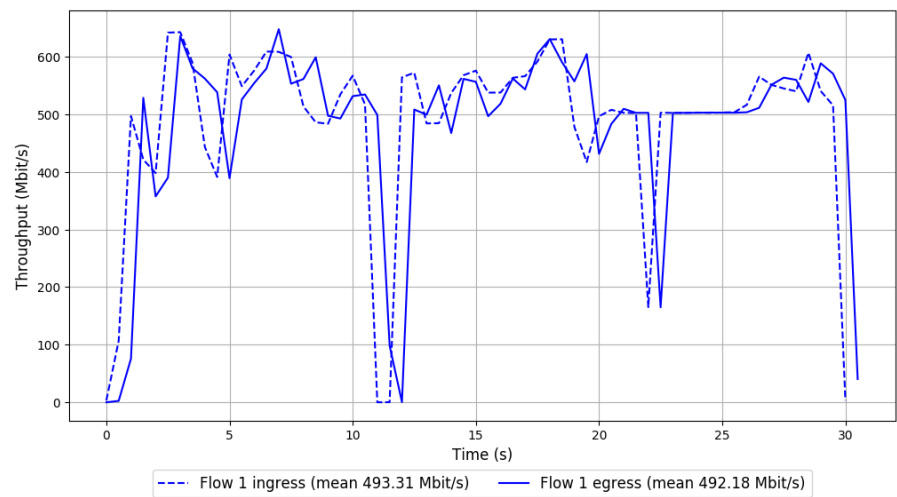
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	504.09	135.00	0.25
Copa	5	304.19	61.91	0.00
TCP Cubic	5	505.14	62.52	0.01
FillP	5	864.53	95.43	0.30
FillP-Sheep	5	874.40	81.18	0.03
Indigo	5	226.22	48.19	0.00
Indigo-MusesC3	5	565.14	61.31	0.00
Indigo-MusesC5	5	588.40	69.69	0.02
Indigo-MusesD	5	489.34	68.76	0.02
Indigo-MusesT	4	604.59	94.33	0.08
LEDBAT	5	36.16	49.17	0.01
PCC-Allegro	5	409.43	135.16	1.48
PCC-Expr	5	302.20	105.89	1.33
QUIC Cubic	4	71.75	47.48	0.00
SCReAM	5	0.22	47.53	0.00
Sprout	5	9.32	47.38	0.00
TaoVA-100x	5	245.35	47.07	0.00
TCP Vegas	5	428.77	57.61	0.00
Verus	5	168.60	126.65	0.53
PCC-Vivace	5	281.21	51.52	0.01
WebRTC media	5	0.47	47.31	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-03-09 16:44:47
End at: 2019-03-09 16:45:17
Local clock offset: -0.035 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2019-03-09 19:24:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 492.18 Mbit/s
95th percentile per-packet one-way delay: 147.976 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 492.18 Mbit/s
95th percentile per-packet one-way delay: 147.976 ms
Loss rate: 0.23%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-03-09 17:15:29

End at: 2019-03-09 17:15:59

Local clock offset: -0.022 ms

Remote clock offset: -0.0 ms

Below is generated by plot.py at 2019-03-09 19:24:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 520.10 Mbit/s

95th percentile per-packet one-way delay: 144.640 ms

Loss rate: 0.30%

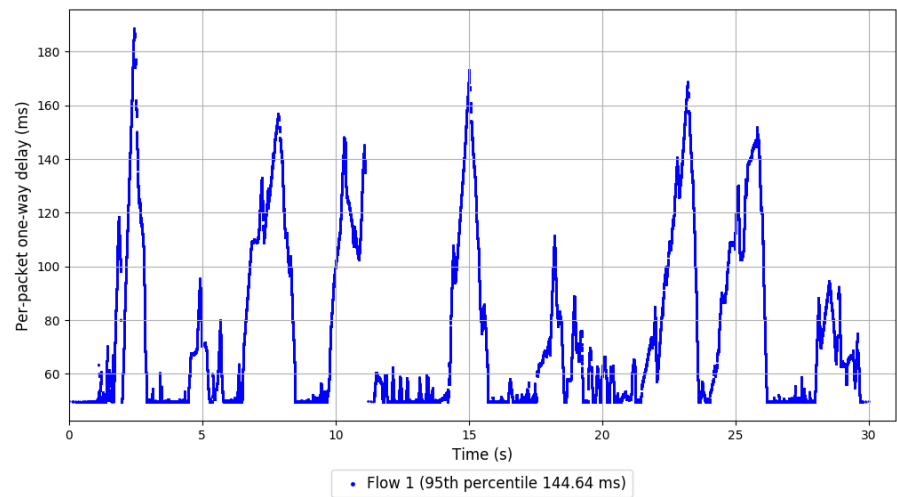
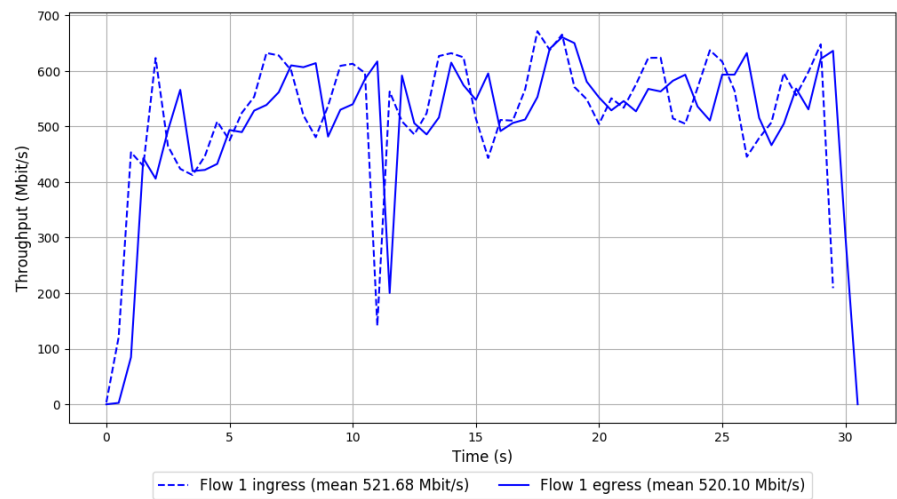
-- Flow 1:

Average throughput: 520.10 Mbit/s

95th percentile per-packet one-way delay: 144.640 ms

Loss rate: 0.30%

Run 2: Report of TCP BBR — Data Link

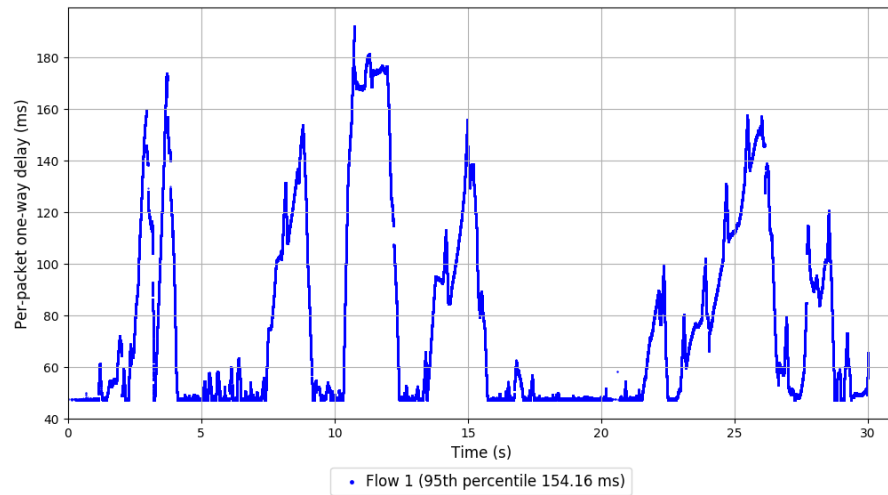
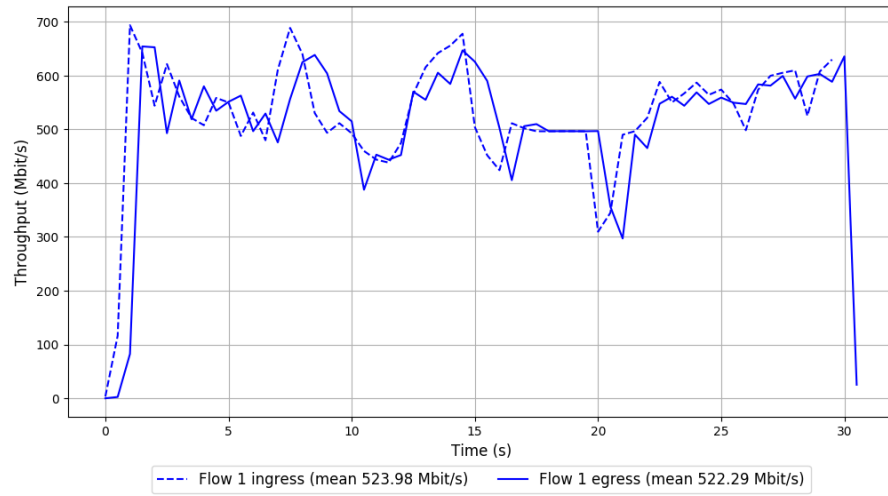


Run 3: Statistics of TCP BBR

Start at: 2019-03-09 17:46:20
End at: 2019-03-09 17:46:50
Local clock offset: -0.067 ms
Remote clock offset: -0.133 ms

Below is generated by plot.py at 2019-03-09 19:24:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 522.29 Mbit/s
95th percentile per-packet one-way delay: 154.158 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 522.29 Mbit/s
95th percentile per-packet one-way delay: 154.158 ms
Loss rate: 0.32%

Run 3: Report of TCP BBR — Data Link

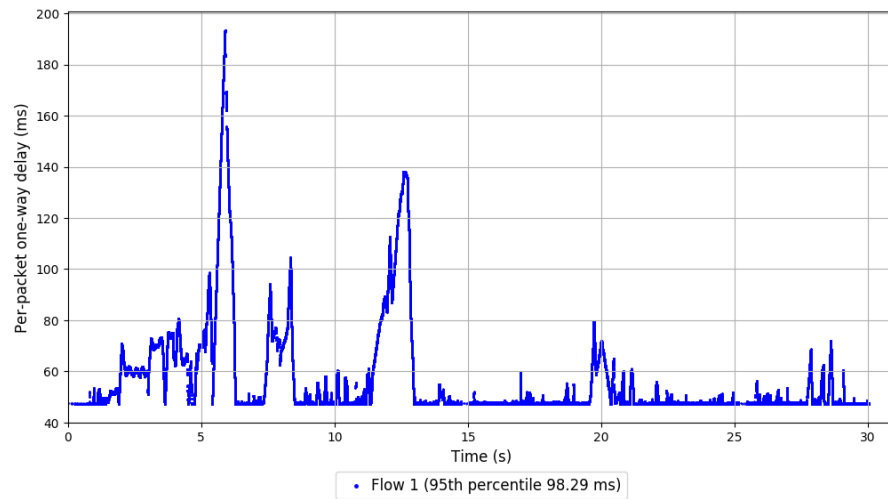
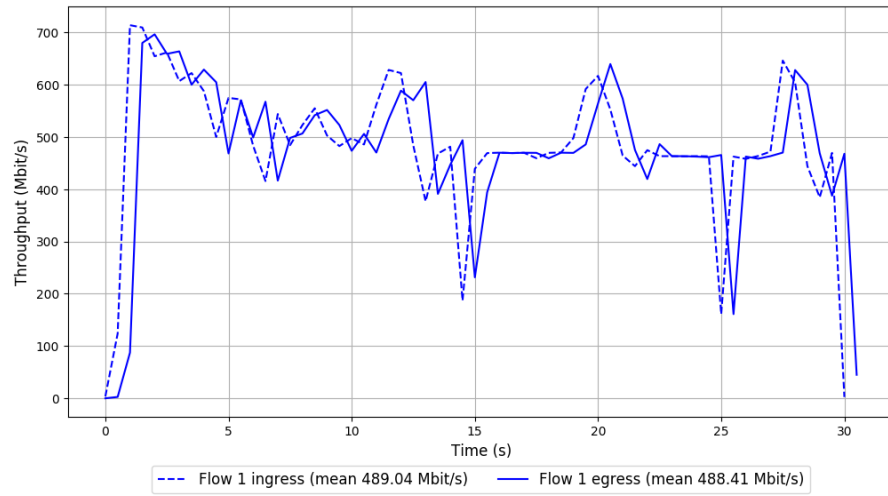


Run 4: Statistics of TCP BBR

Start at: 2019-03-09 18:16:56
End at: 2019-03-09 18:17:26
Local clock offset: -0.105 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2019-03-09 19:24:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 488.41 Mbit/s
95th percentile per-packet one-way delay: 98.291 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 488.41 Mbit/s
95th percentile per-packet one-way delay: 98.291 ms
Loss rate: 0.13%

Run 4: Report of TCP BBR — Data Link

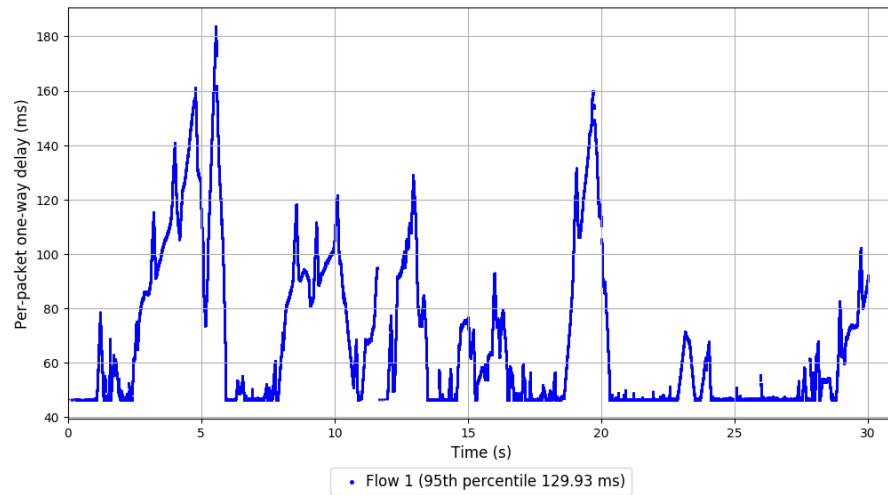
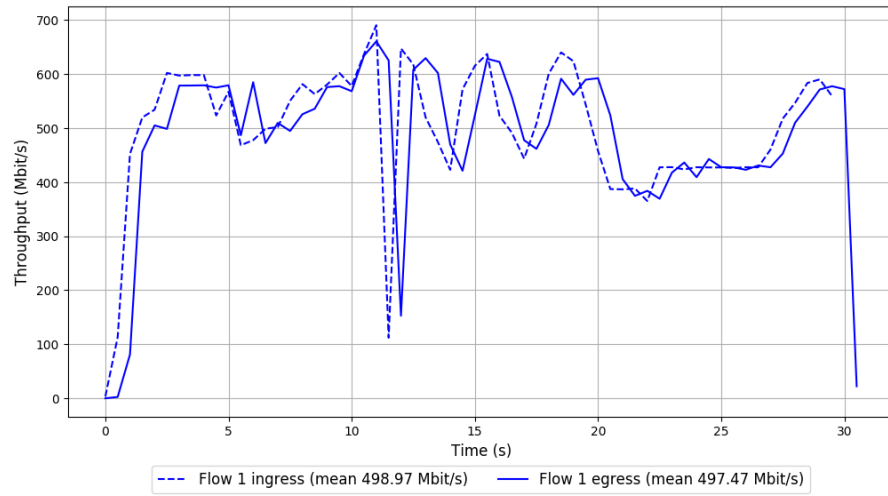


Run 5: Statistics of TCP BBR

Start at: 2019-03-09 18:47:20
End at: 2019-03-09 18:47:50
Local clock offset: -0.1 ms
Remote clock offset: -0.109 ms

Below is generated by plot.py at 2019-03-09 19:24:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 497.47 Mbit/s
95th percentile per-packet one-way delay: 129.927 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 497.47 Mbit/s
95th percentile per-packet one-way delay: 129.927 ms
Loss rate: 0.29%

Run 5: Report of TCP BBR — Data Link

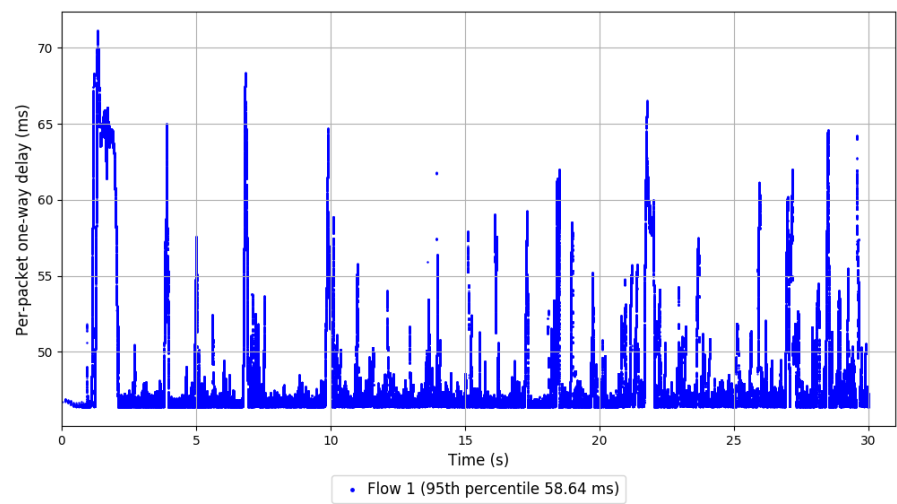
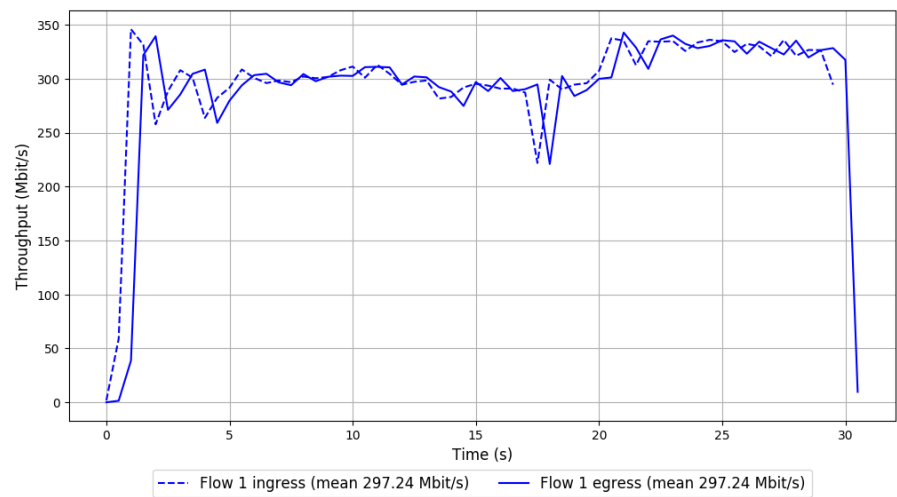


Run 1: Statistics of Copa

Start at: 2019-03-09 16:34:53
End at: 2019-03-09 16:35:23
Local clock offset: -0.05 ms
Remote clock offset: -0.122 ms

Below is generated by plot.py at 2019-03-09 19:25:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 297.24 Mbit/s
95th percentile per-packet one-way delay: 58.637 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 297.24 Mbit/s
95th percentile per-packet one-way delay: 58.637 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

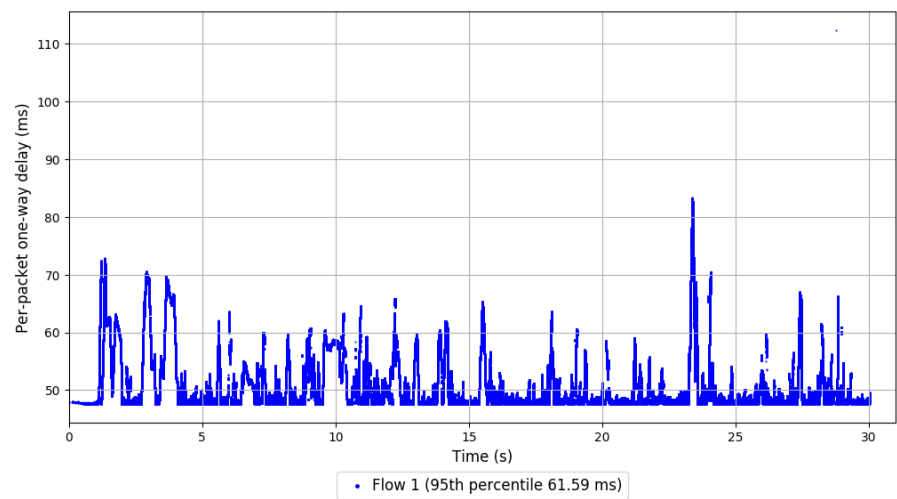
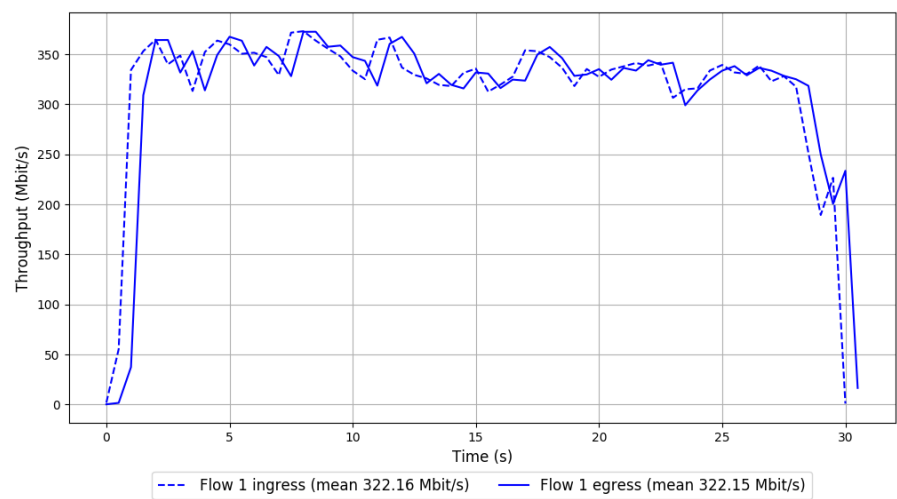


Run 2: Statistics of Copa

Start at: 2019-03-09 17:05:38
End at: 2019-03-09 17:06:08
Local clock offset: -0.393 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2019-03-09 19:26:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 322.15 Mbit/s
95th percentile per-packet one-way delay: 61.590 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 322.15 Mbit/s
95th percentile per-packet one-way delay: 61.590 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

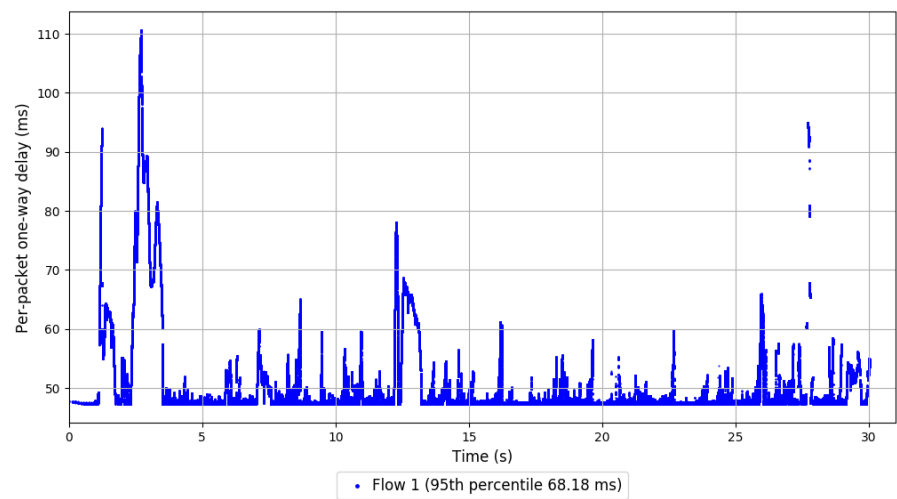
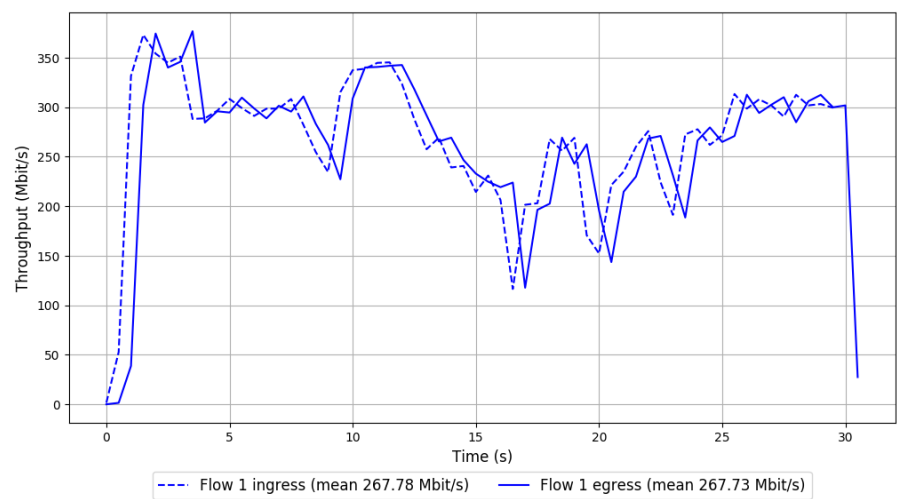


Run 3: Statistics of Copa

Start at: 2019-03-09 17:36:16
End at: 2019-03-09 17:36:46
Local clock offset: -0.112 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2019-03-09 19:26:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 267.73 Mbit/s
95th percentile per-packet one-way delay: 68.178 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 267.73 Mbit/s
95th percentile per-packet one-way delay: 68.178 ms
Loss rate: 0.01%

Run 3: Report of Copa — Data Link

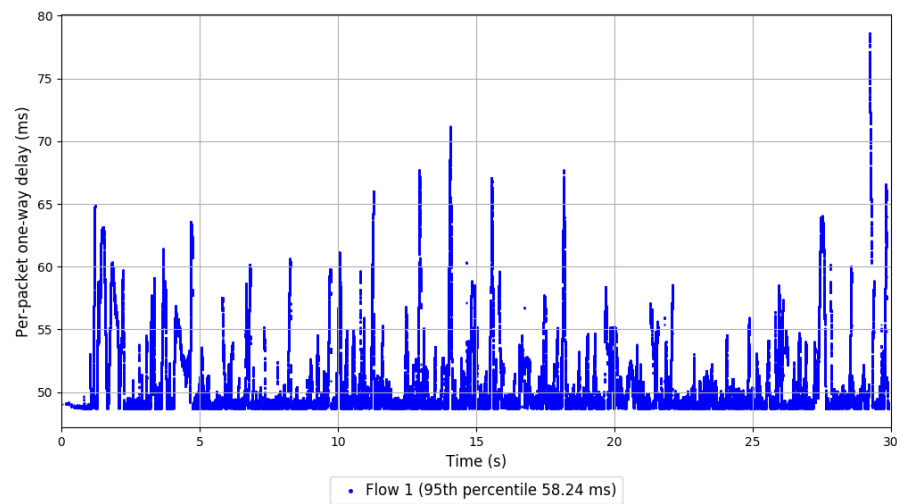
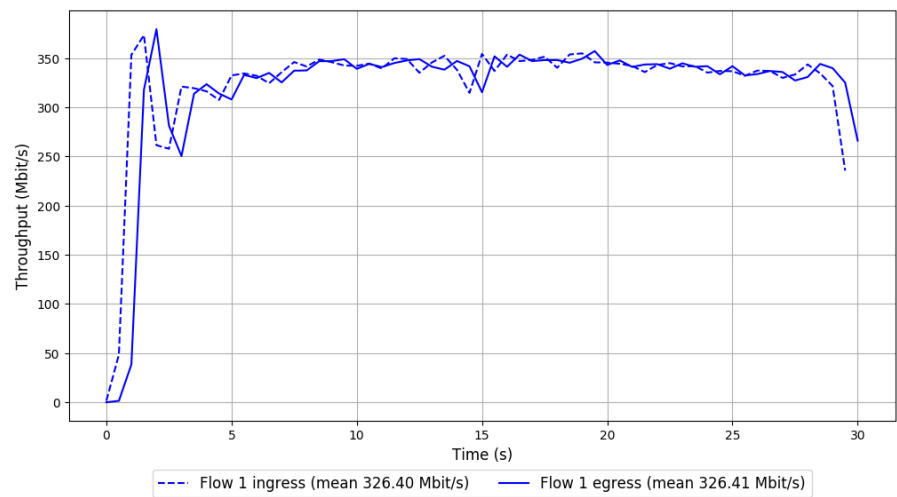


Run 4: Statistics of Copa

Start at: 2019-03-09 18:06:47
End at: 2019-03-09 18:07:17
Local clock offset: -0.107 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2019-03-09 19:35:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 326.41 Mbit/s
95th percentile per-packet one-way delay: 58.239 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 326.41 Mbit/s
95th percentile per-packet one-way delay: 58.239 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

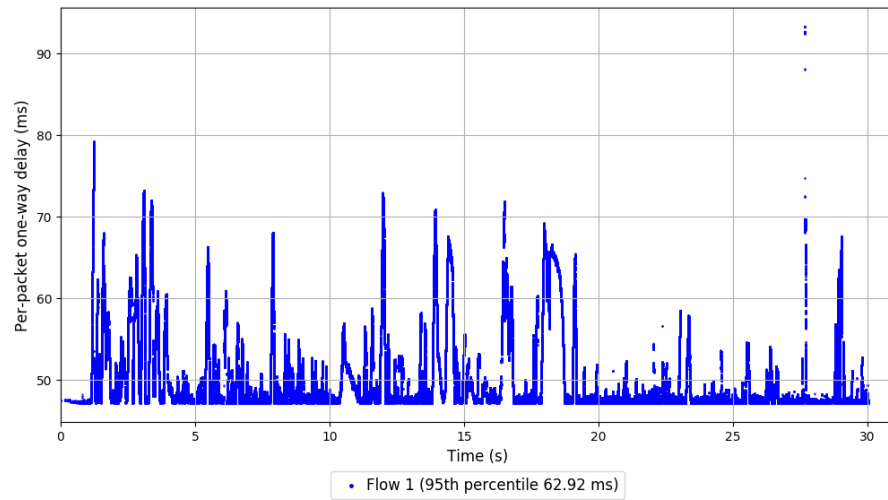
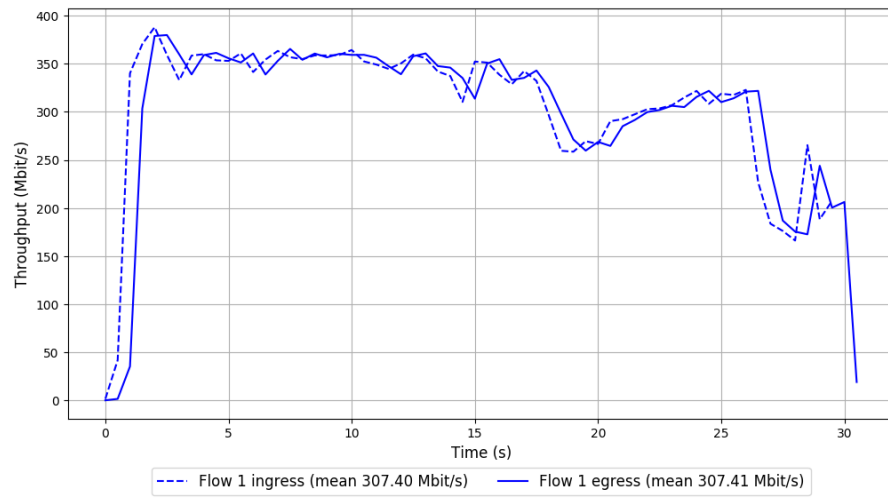


Run 5: Statistics of Copa

Start at: 2019-03-09 18:37:30
End at: 2019-03-09 18:38:00
Local clock offset: -0.105 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2019-03-09 19:35:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 307.41 Mbit/s
95th percentile per-packet one-way delay: 62.916 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 307.41 Mbit/s
95th percentile per-packet one-way delay: 62.916 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

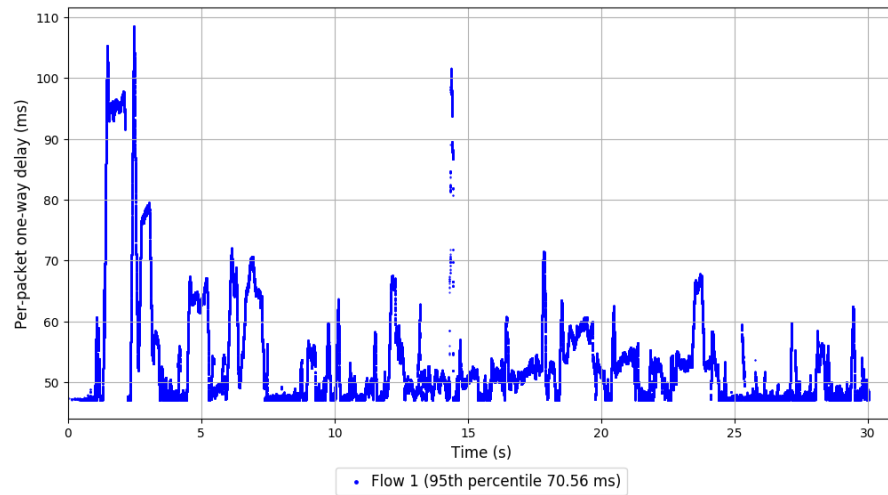
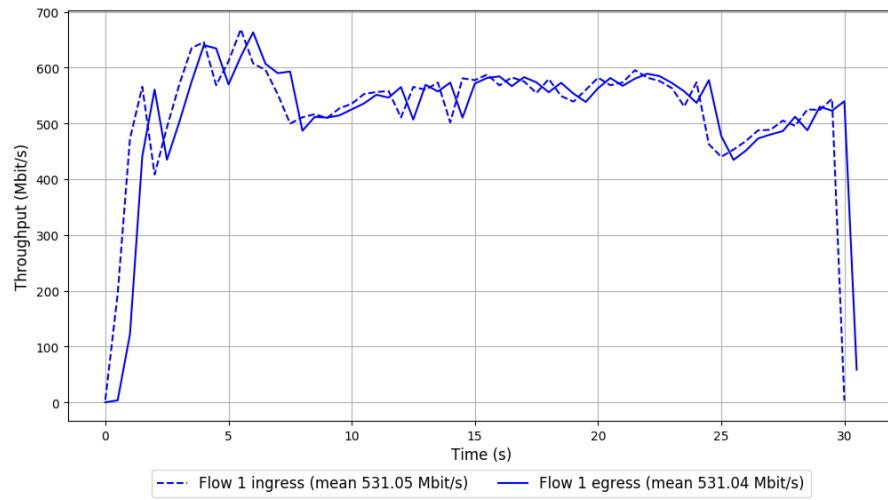


Run 1: Statistics of TCP Cubic

Start at: 2019-03-09 16:31:23
End at: 2019-03-09 16:31:53
Local clock offset: -0.044 ms
Remote clock offset: -0.125 ms

Below is generated by plot.py at 2019-03-09 19:35:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 531.04 Mbit/s
95th percentile per-packet one-way delay: 70.563 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 531.04 Mbit/s
95th percentile per-packet one-way delay: 70.563 ms
Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link

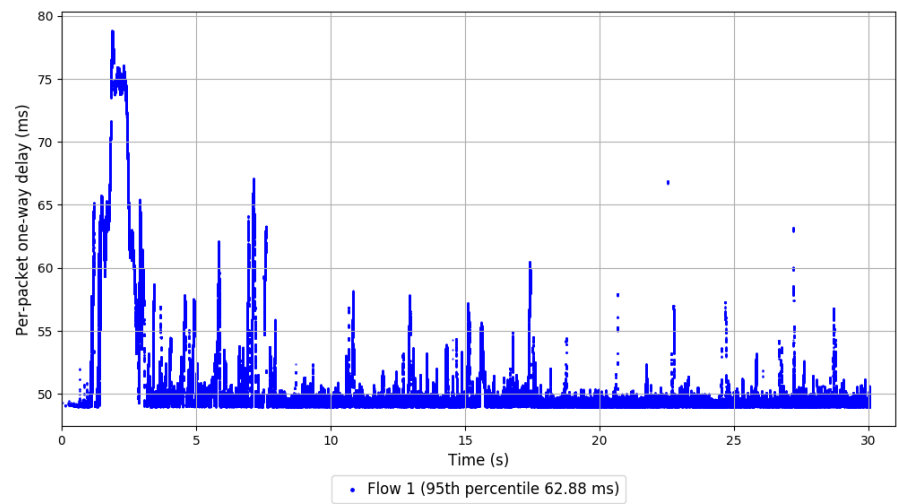
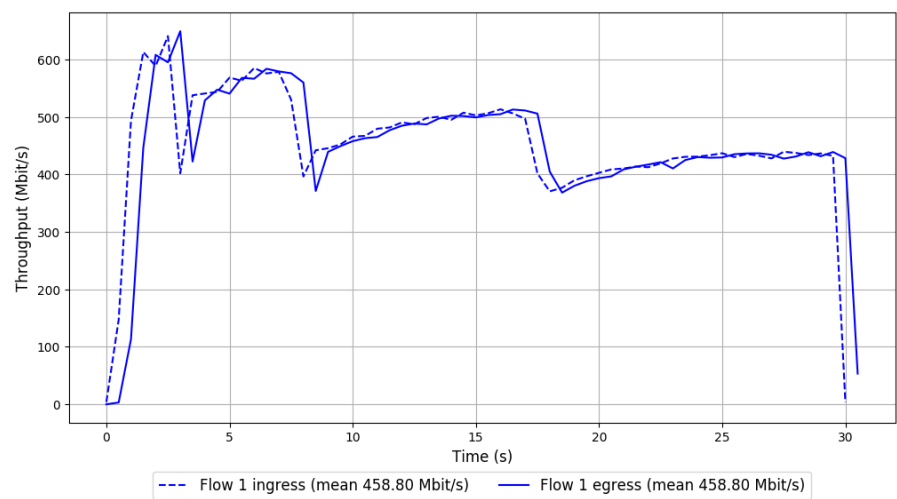


Run 2: Statistics of TCP Cubic

Start at: 2019-03-09 17:02:09
End at: 2019-03-09 17:02:39
Local clock offset: -0.047 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2019-03-09 19:35:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 458.80 Mbit/s
95th percentile per-packet one-way delay: 62.884 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 458.80 Mbit/s
95th percentile per-packet one-way delay: 62.884 ms
Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link

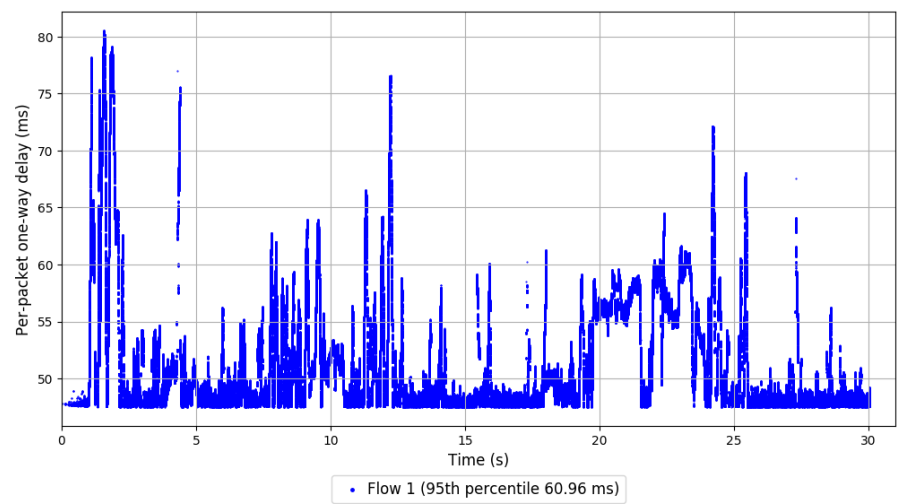
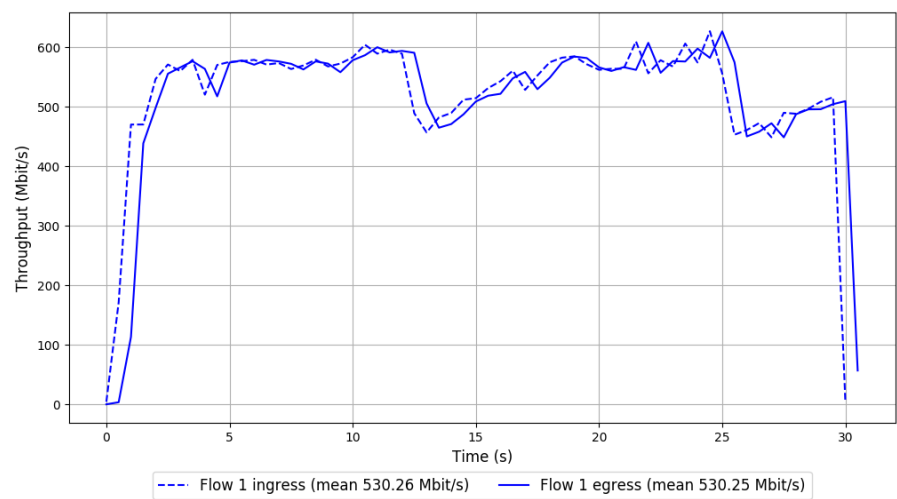


Run 3: Statistics of TCP Cubic

Start at: 2019-03-09 17:32:59
End at: 2019-03-09 17:33:29
Local clock offset: -0.074 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2019-03-09 19:35:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 530.25 Mbit/s
95th percentile per-packet one-way delay: 60.963 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 530.25 Mbit/s
95th percentile per-packet one-way delay: 60.963 ms
Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link

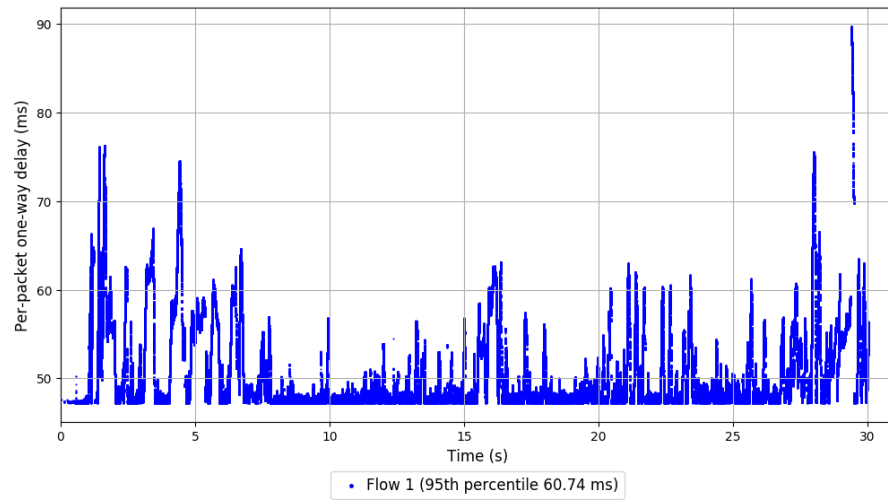
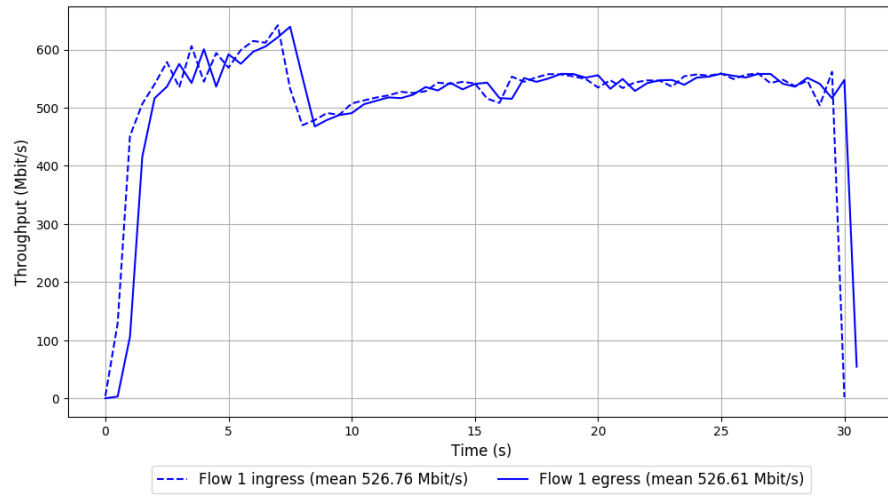


Run 4: Statistics of TCP Cubic

Start at: 2019-03-09 18:03:31
End at: 2019-03-09 18:04:01
Local clock offset: -0.09 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2019-03-09 19:35:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 526.61 Mbit/s
95th percentile per-packet one-way delay: 60.742 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 526.61 Mbit/s
95th percentile per-packet one-way delay: 60.742 ms
Loss rate: 0.03%

Run 4: Report of TCP Cubic — Data Link

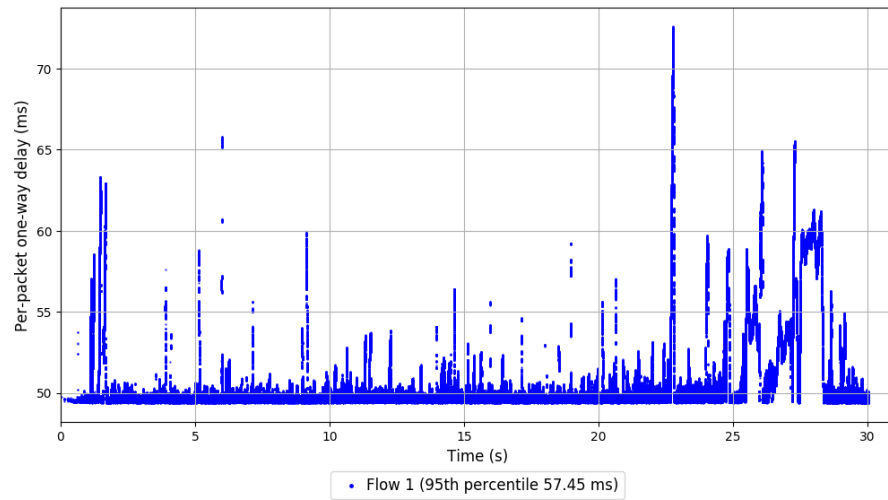
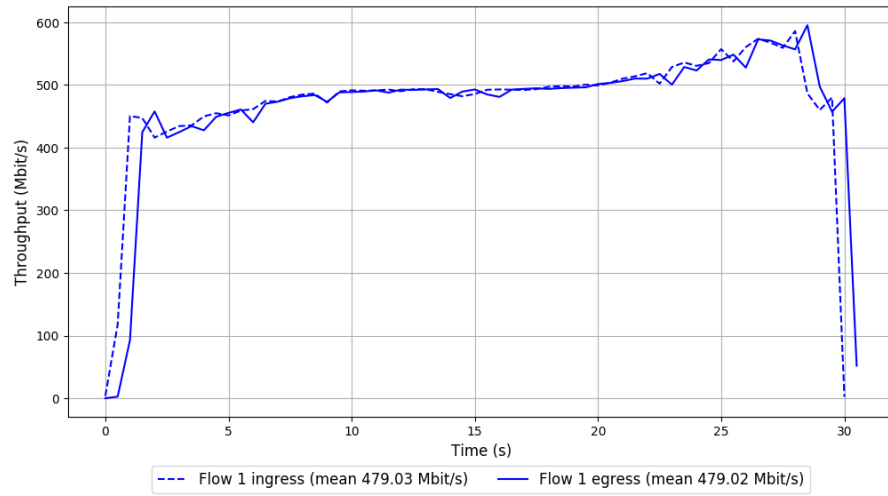


Run 5: Statistics of TCP Cubic

Start at: 2019-03-09 18:34:18
End at: 2019-03-09 18:34:48
Local clock offset: -0.097 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2019-03-09 19:35:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 479.02 Mbit/s
95th percentile per-packet one-way delay: 57.446 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 479.02 Mbit/s
95th percentile per-packet one-way delay: 57.446 ms
Loss rate: 0.01%

Run 5: Report of TCP Cubic — Data Link

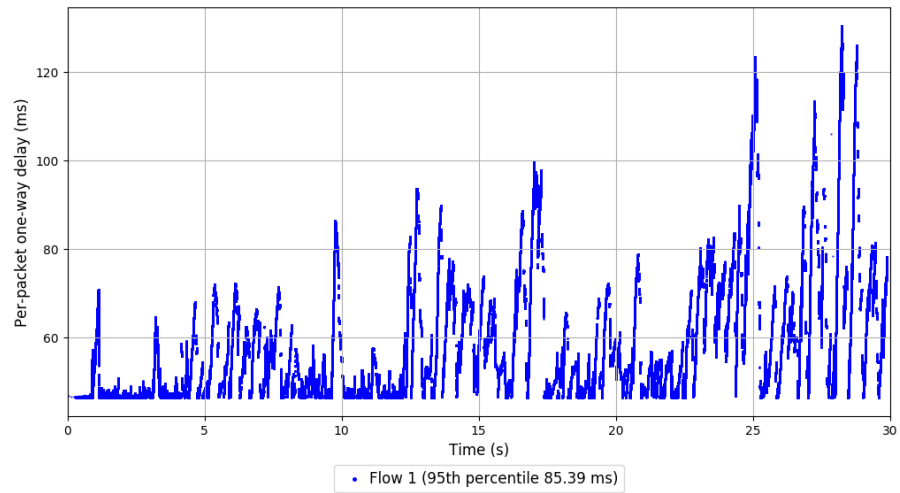
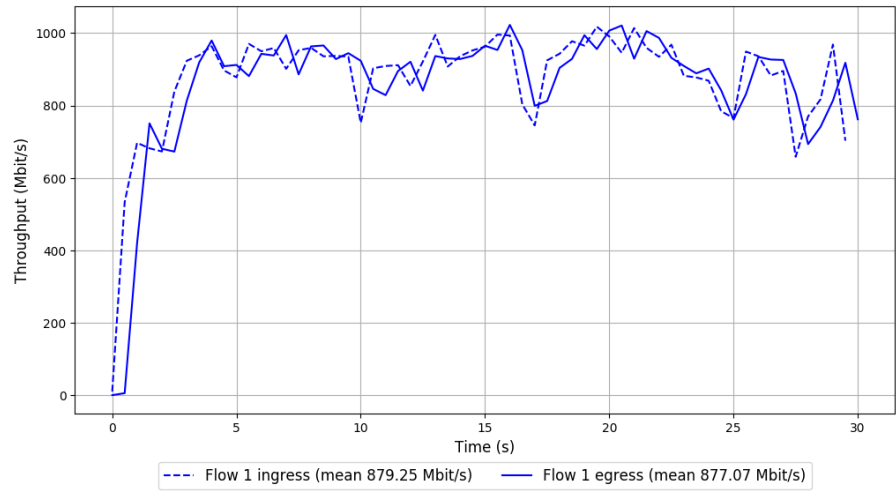


Run 1: Statistics of FillP

Start at: 2019-03-09 16:47:59
End at: 2019-03-09 16:48:29
Local clock offset: -0.1 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2019-03-09 19:43:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 877.07 Mbit/s
95th percentile per-packet one-way delay: 85.388 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 877.07 Mbit/s
95th percentile per-packet one-way delay: 85.388 ms
Loss rate: 0.24%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2019-03-09 17:18:38

End at: 2019-03-09 17:19:08

Local clock offset: -0.017 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2019-03-09 19:52:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 872.40 Mbit/s

95th percentile per-packet one-way delay: 80.147 ms

Loss rate: 0.00%

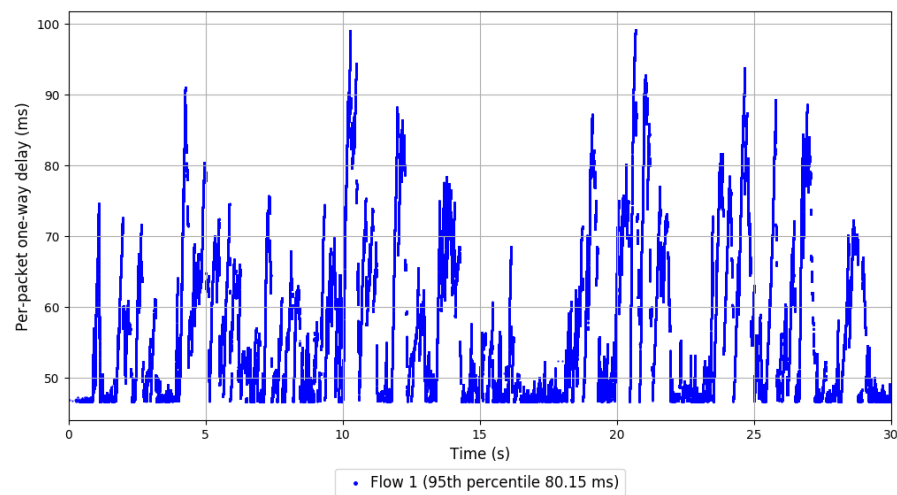
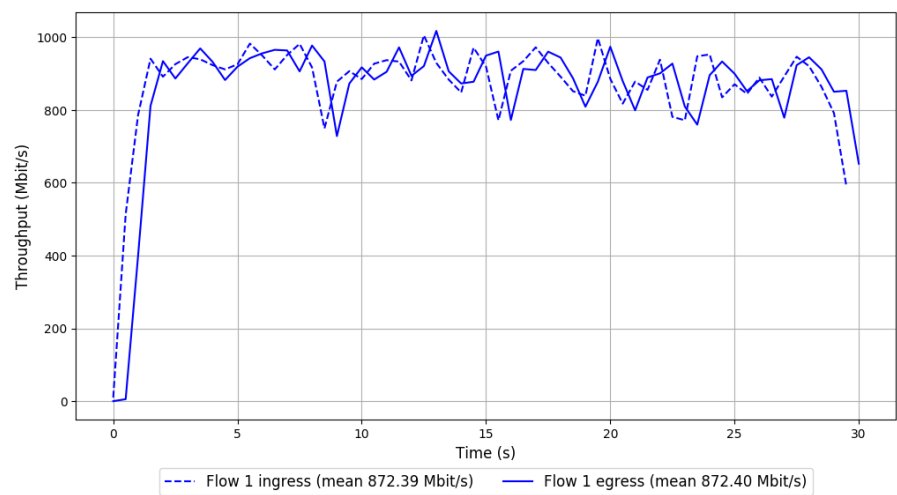
-- Flow 1:

Average throughput: 872.40 Mbit/s

95th percentile per-packet one-way delay: 80.147 ms

Loss rate: 0.00%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2019-03-09 17:49:30

End at: 2019-03-09 17:50:00

Local clock offset: -0.024 ms

Remote clock offset: -0.12 ms

Below is generated by plot.py at 2019-03-09 19:53:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 873.16 Mbit/s

95th percentile per-packet one-way delay: 106.237 ms

Loss rate: 0.43%

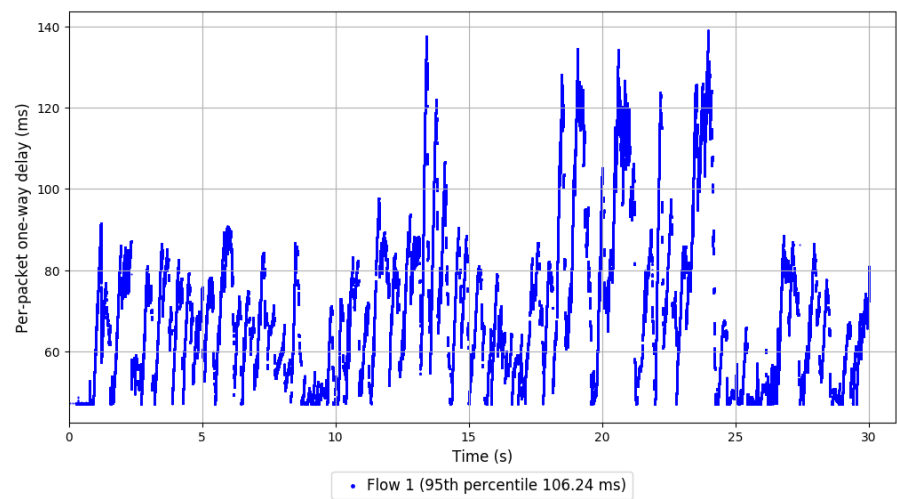
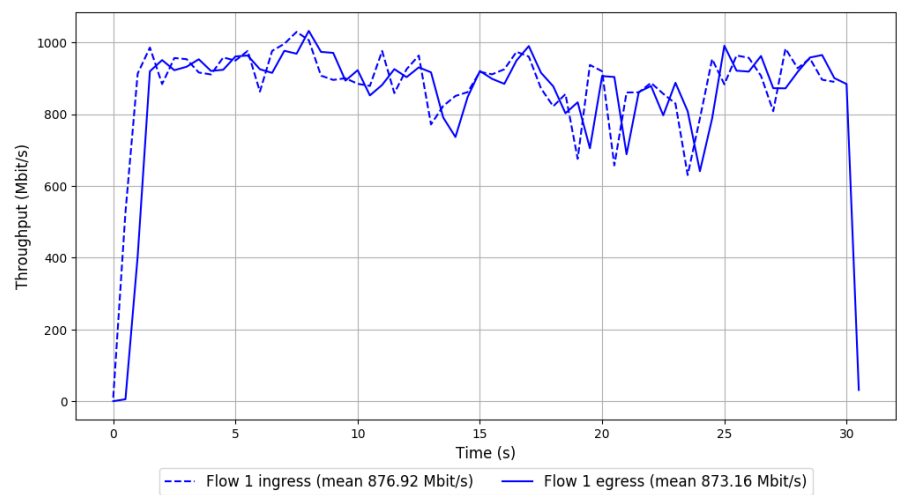
-- Flow 1:

Average throughput: 873.16 Mbit/s

95th percentile per-packet one-way delay: 106.237 ms

Loss rate: 0.43%

Run 3: Report of FillP — Data Link

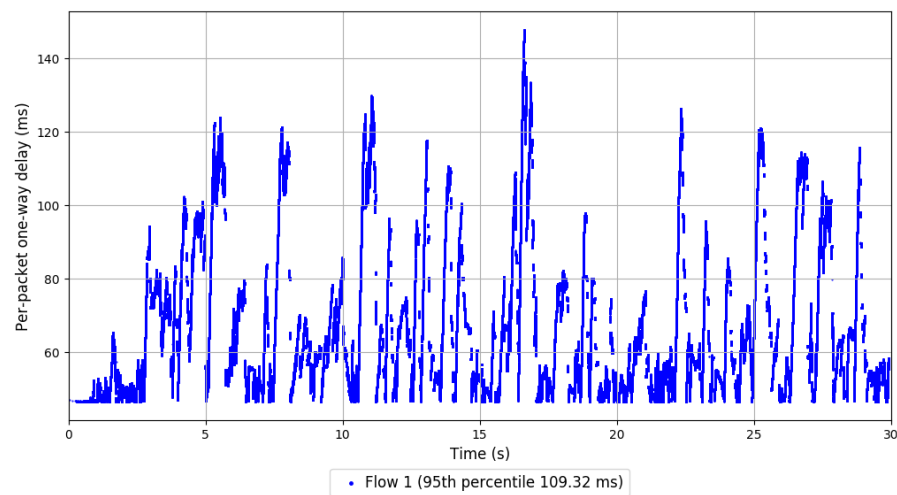
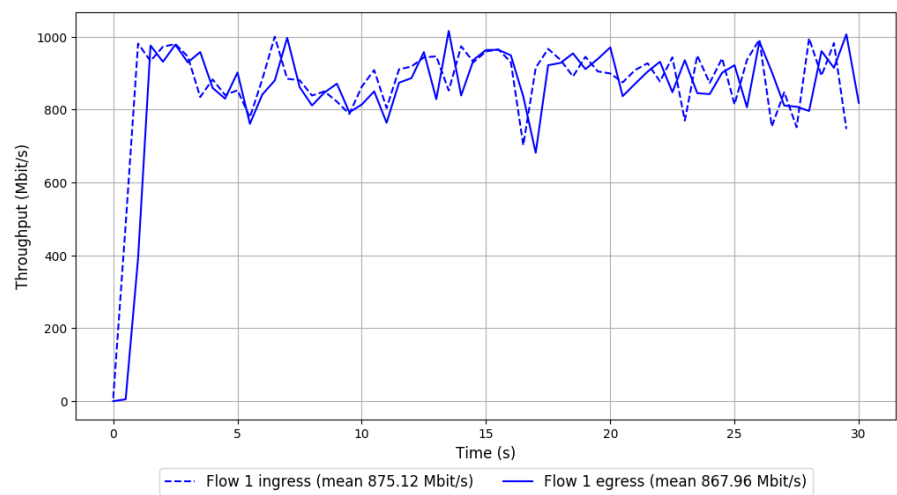


Run 4: Statistics of FillP

Start at: 2019-03-09 18:20:02
End at: 2019-03-09 18:20:32
Local clock offset: -0.131 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2019-03-09 19:53:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 867.96 Mbit/s
95th percentile per-packet one-way delay: 109.317 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 867.96 Mbit/s
95th percentile per-packet one-way delay: 109.317 ms
Loss rate: 0.81%

Run 4: Report of FillP — Data Link

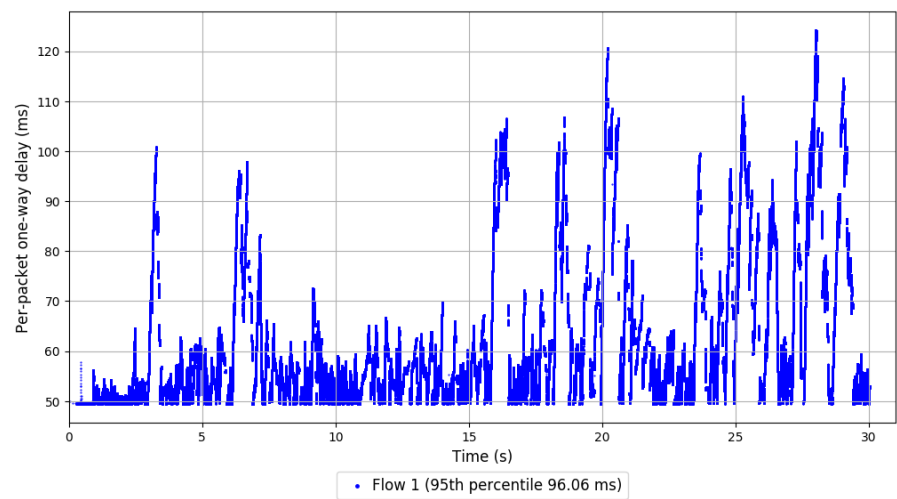
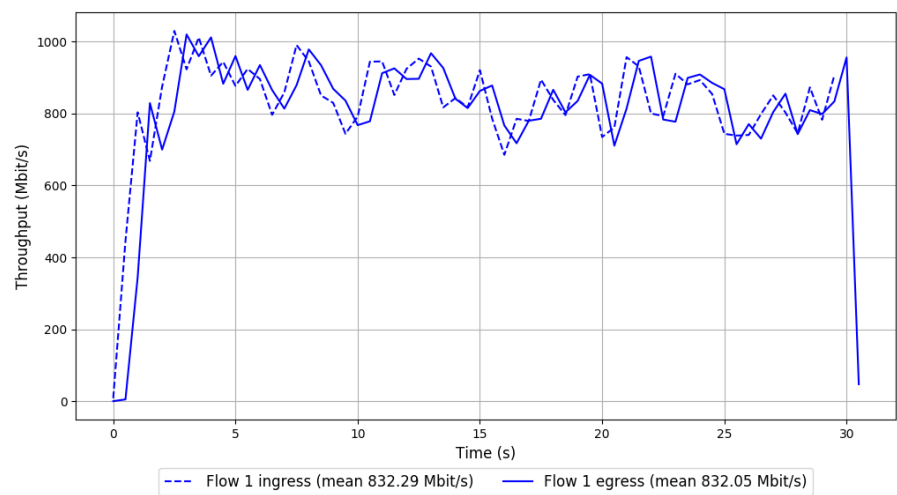


Run 5: Statistics of FillP

Start at: 2019-03-09 18:50:27
End at: 2019-03-09 18:50:57
Local clock offset: -0.148 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2019-03-09 19:53:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 832.05 Mbit/s
95th percentile per-packet one-way delay: 96.060 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 832.05 Mbit/s
95th percentile per-packet one-way delay: 96.060 ms
Loss rate: 0.03%

Run 5: Report of FillP — Data Link

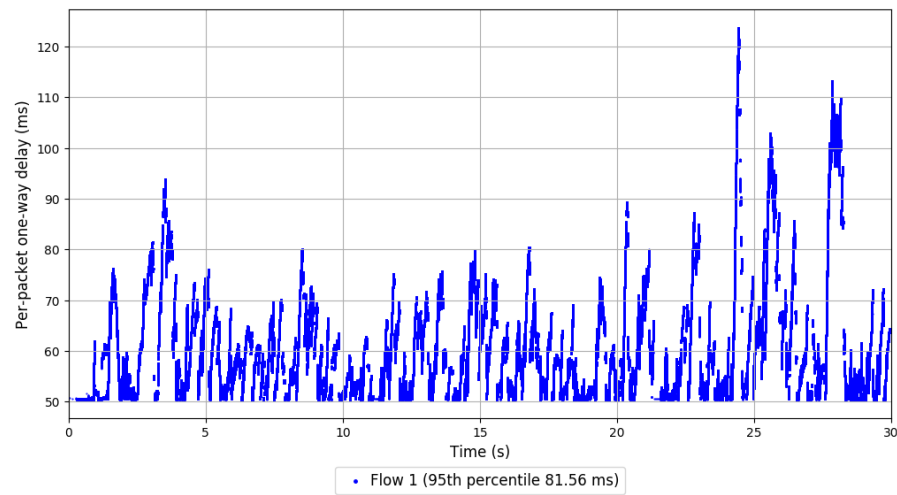
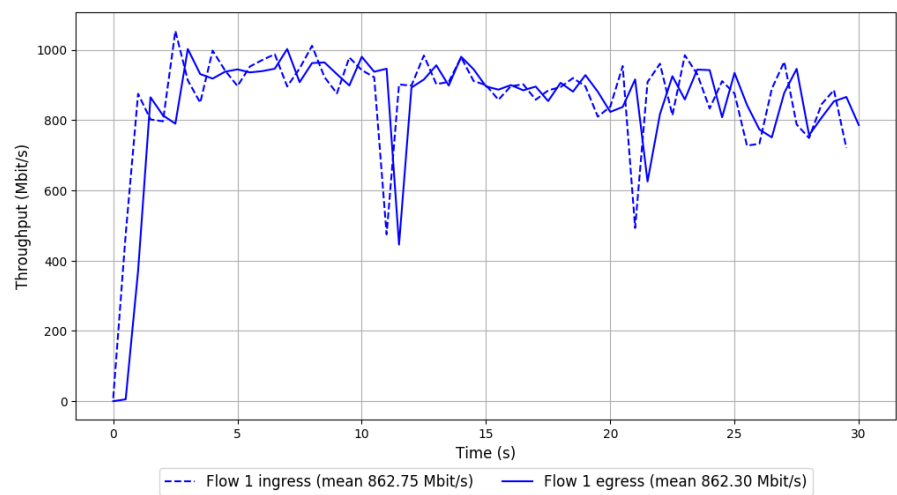


Run 1: Statistics of FillP-Sheep

Start at: 2019-03-09 16:33:06
End at: 2019-03-09 16:33:36
Local clock offset: -0.384 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2019-03-09 19:53:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 862.30 Mbit/s
95th percentile per-packet one-way delay: 81.556 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 862.30 Mbit/s
95th percentile per-packet one-way delay: 81.556 ms
Loss rate: 0.06%

Run 1: Report of FillP-Sheep — Data Link

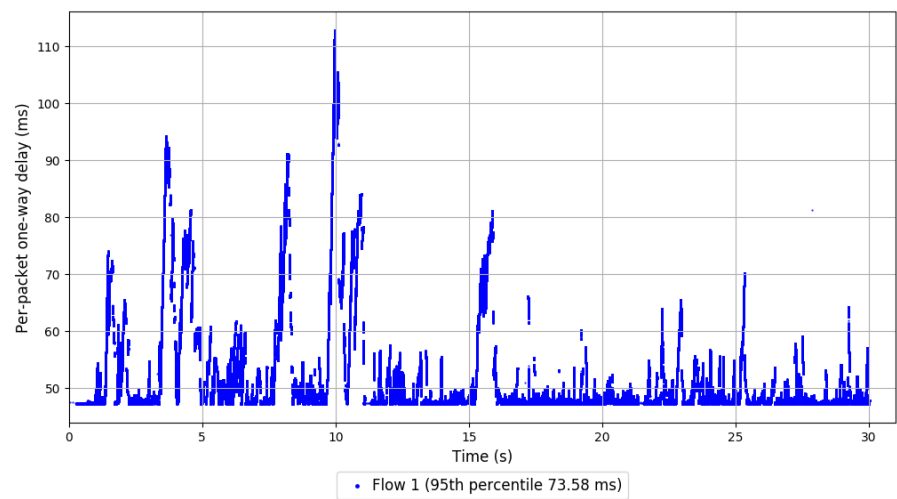
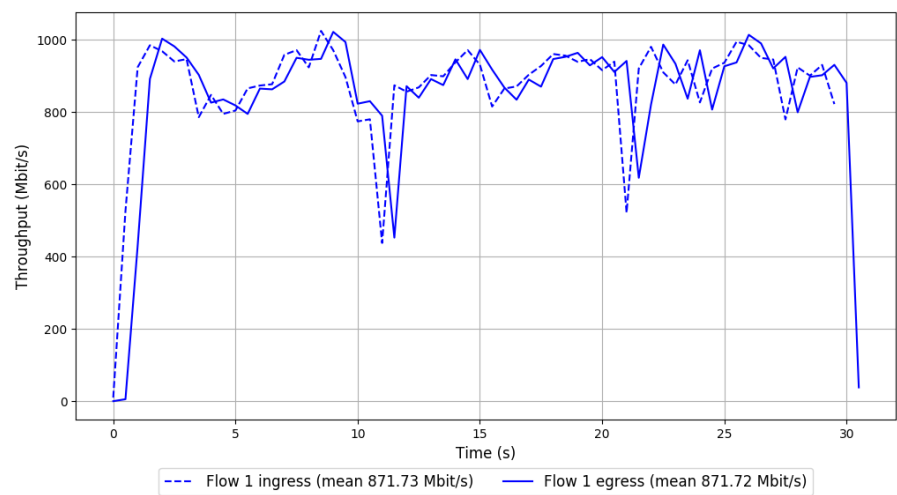


Run 2: Statistics of FillP-Sheep

Start at: 2019-03-09 17:03:44
End at: 2019-03-09 17:04:14
Local clock offset: -0.035 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2019-03-09 19:54:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 871.72 Mbit/s
95th percentile per-packet one-way delay: 73.585 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 871.72 Mbit/s
95th percentile per-packet one-way delay: 73.585 ms
Loss rate: 0.00%

Run 2: Report of FillP-Sheep — Data Link

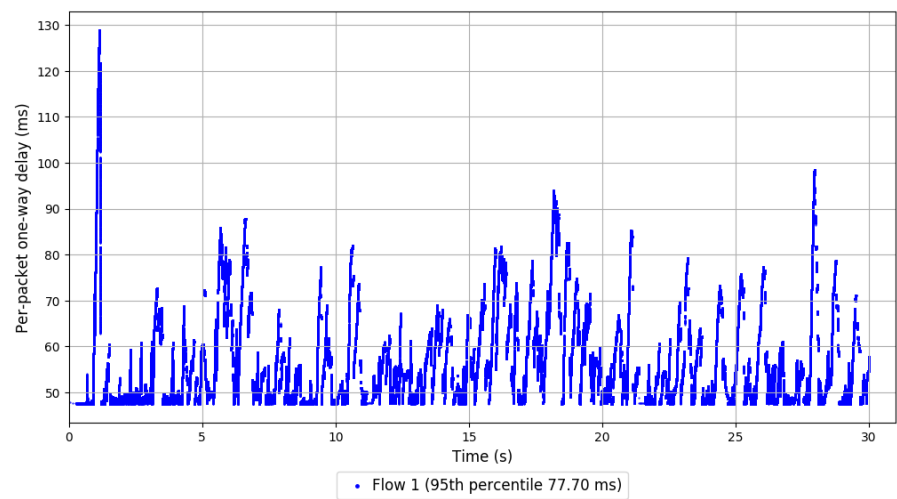
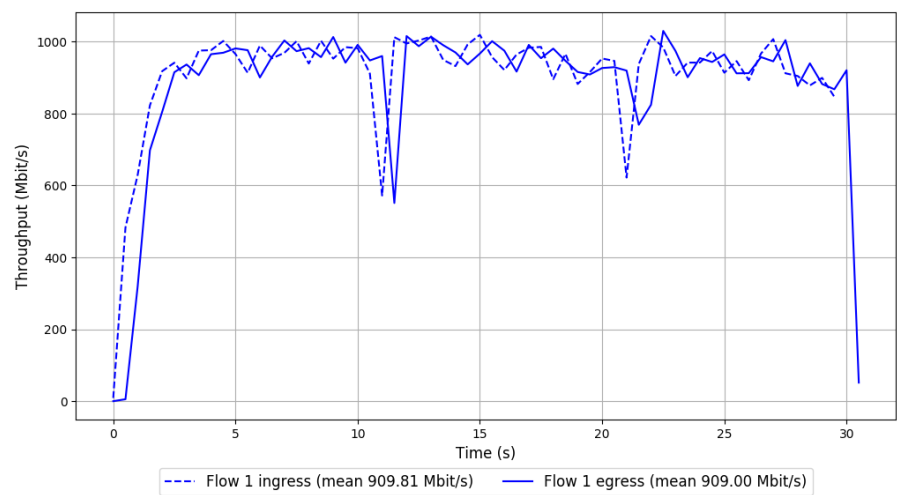


Run 3: Statistics of FillP-Sheep

Start at: 2019-03-09 17:34:33
End at: 2019-03-09 17:35:03
Local clock offset: -0.436 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2019-03-09 19:55:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 909.00 Mbit/s
95th percentile per-packet one-way delay: 77.705 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 909.00 Mbit/s
95th percentile per-packet one-way delay: 77.705 ms
Loss rate: 0.06%

Run 3: Report of FillP-Sheep — Data Link

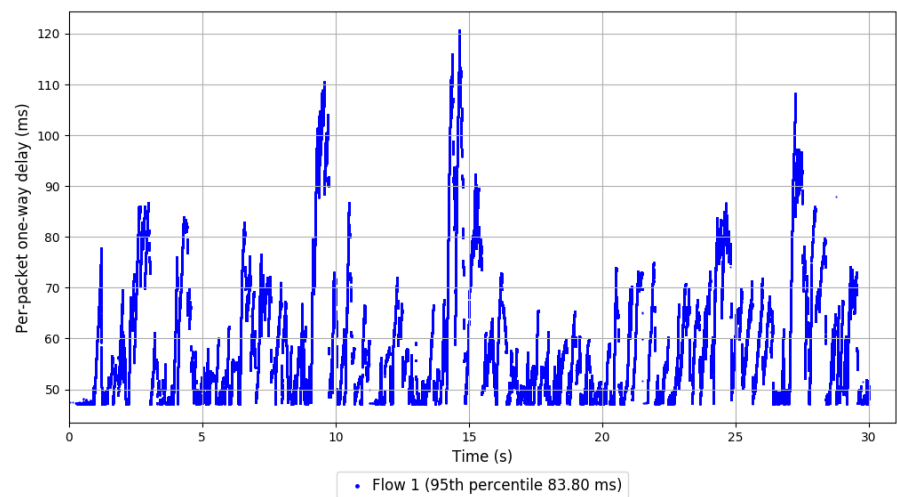
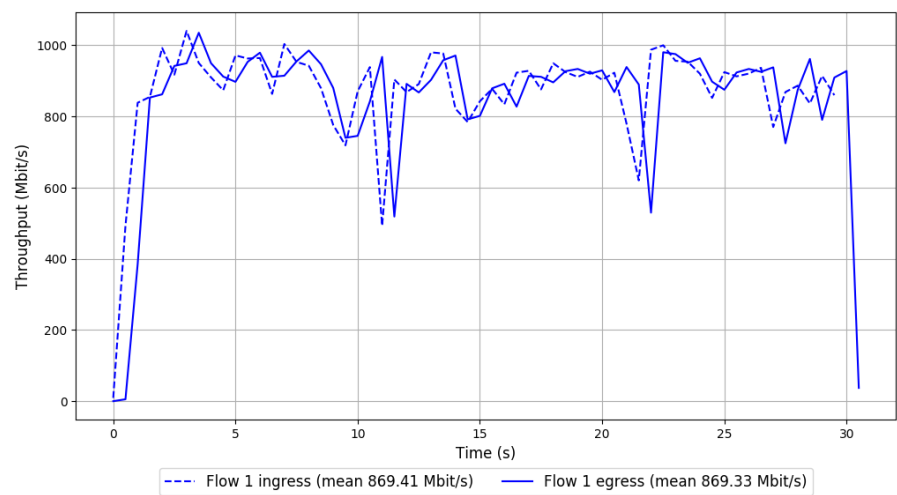


Run 4: Statistics of FillP-Sheep

Start at: 2019-03-09 18:05:05
End at: 2019-03-09 18:05:35
Local clock offset: -0.114 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2019-03-09 20:06:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 869.33 Mbit/s
95th percentile per-packet one-way delay: 83.798 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 869.33 Mbit/s
95th percentile per-packet one-way delay: 83.798 ms
Loss rate: 0.01%

Run 4: Report of FillP-Sheep — Data Link

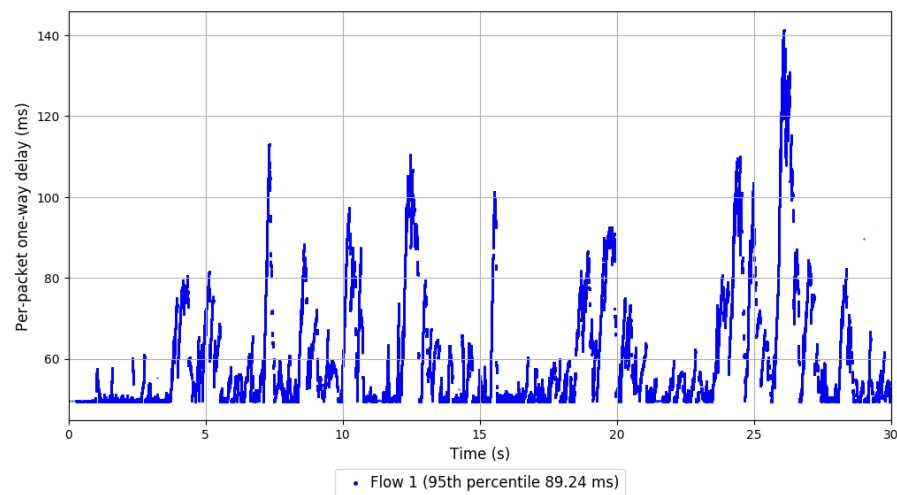
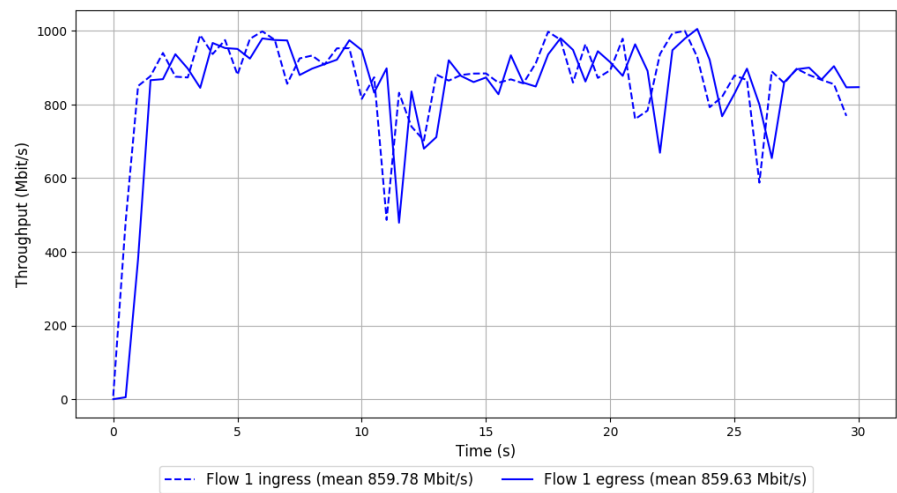


Run 5: Statistics of FillP-Sheep

Start at: 2019-03-09 18:35:49
End at: 2019-03-09 18:36:19
Local clock offset: -0.107 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2019-03-09 20:12:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 859.63 Mbit/s
95th percentile per-packet one-way delay: 89.242 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 859.63 Mbit/s
95th percentile per-packet one-way delay: 89.242 ms
Loss rate: 0.02%

Run 5: Report of FillP-Sheep — Data Link

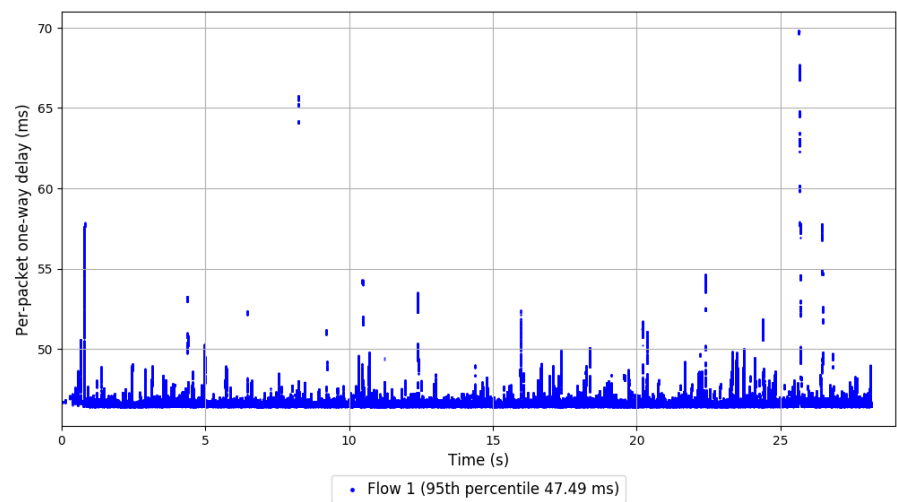
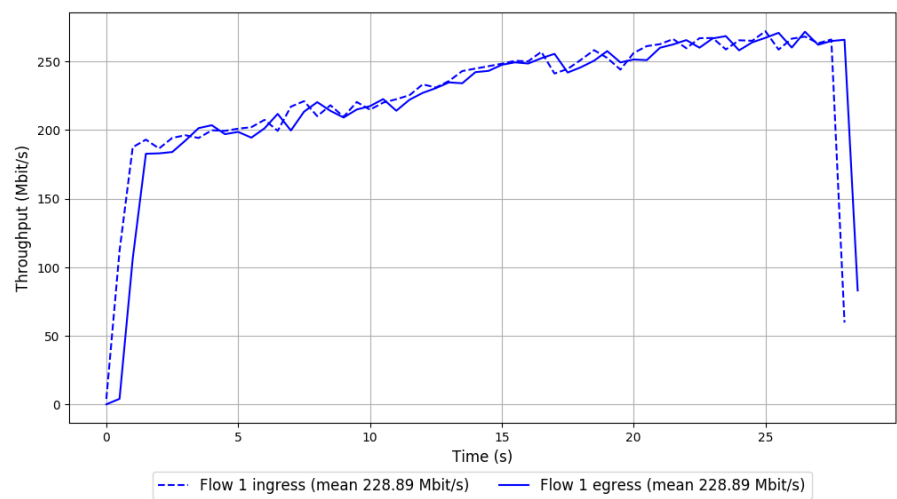


```
Run 1: Statistics of Indigo

Start at: 2019-03-09 16:59:34
End at: 2019-03-09 17:00:04
Local clock offset: -0.066 ms
Remote clock offset: -0.04 ms

# Below is generated by plot.py at 2019-03-09 20:12:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 228.89 Mbit/s
95th percentile per-packet one-way delay: 47.492 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 228.89 Mbit/s
95th percentile per-packet one-way delay: 47.492 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link

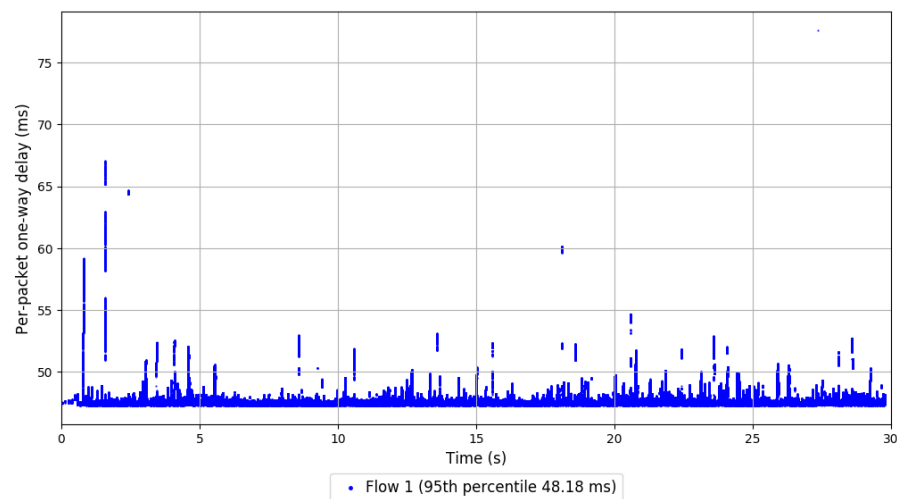
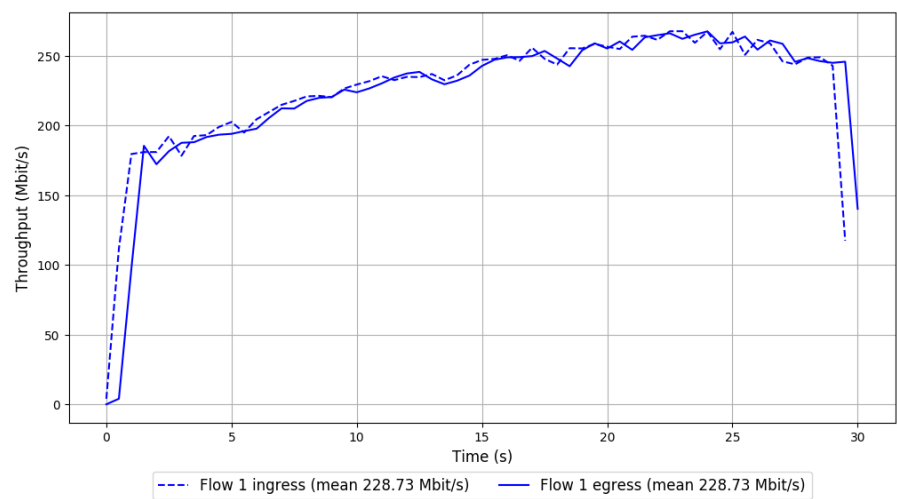


Run 2: Statistics of Indigo

Start at: 2019-03-09 17:30:24
End at: 2019-03-09 17:30:54
Local clock offset: -0.048 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2019-03-09 20:12:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 228.73 Mbit/s
95th percentile per-packet one-way delay: 48.181 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 228.73 Mbit/s
95th percentile per-packet one-way delay: 48.181 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

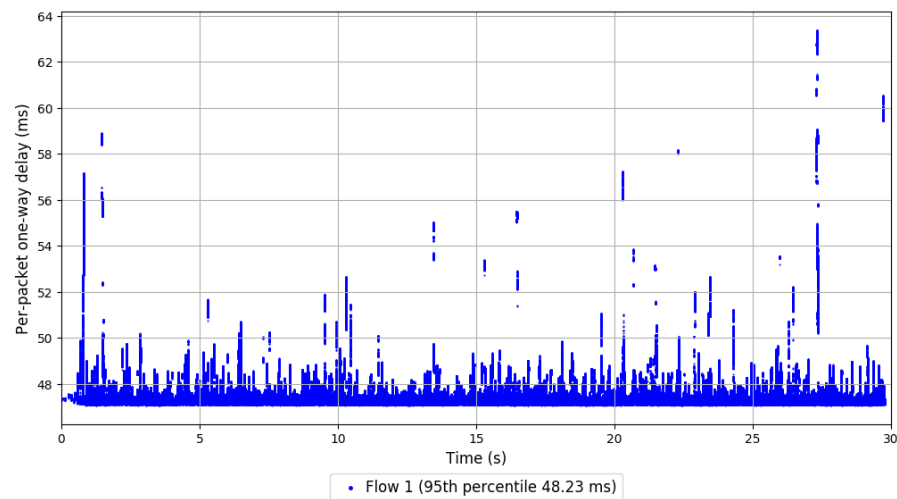
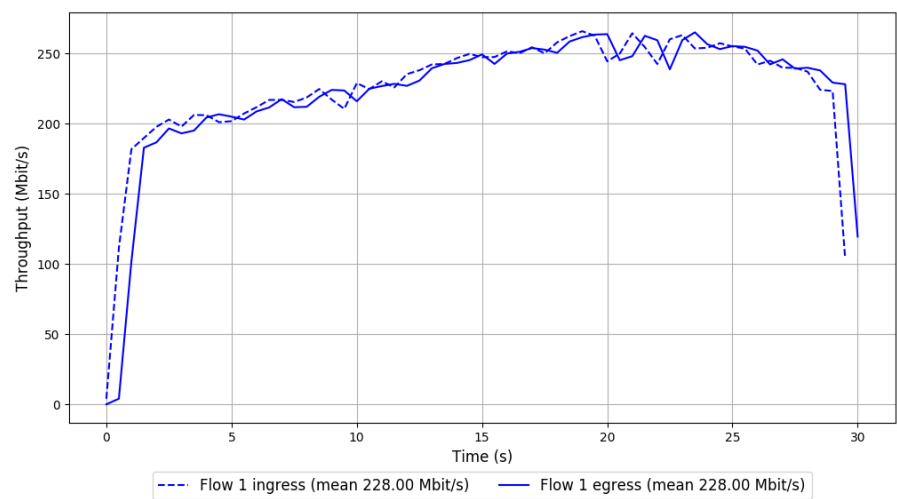


Run 3: Statistics of Indigo

Start at: 2019-03-09 18:00:56
End at: 2019-03-09 18:01:26
Local clock offset: -0.052 ms
Remote clock offset: -0.131 ms

Below is generated by plot.py at 2019-03-09 20:12:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 228.00 Mbit/s
95th percentile per-packet one-way delay: 48.233 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 228.00 Mbit/s
95th percentile per-packet one-way delay: 48.233 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

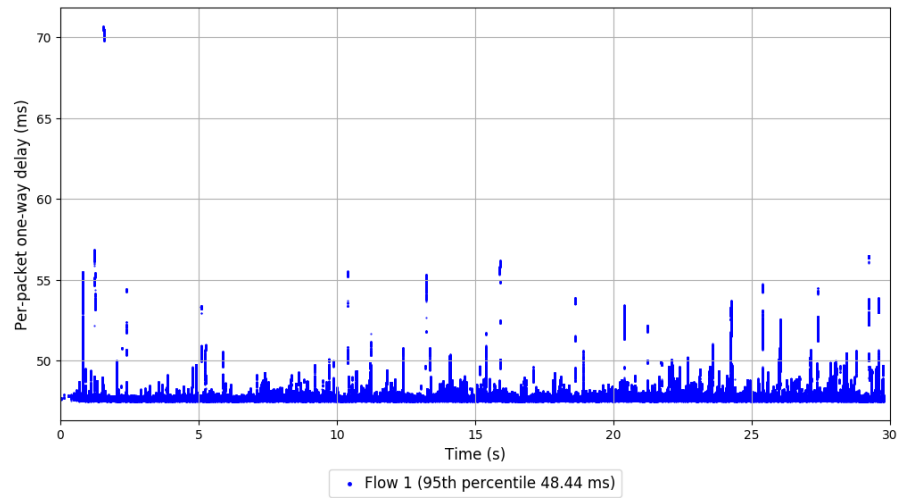
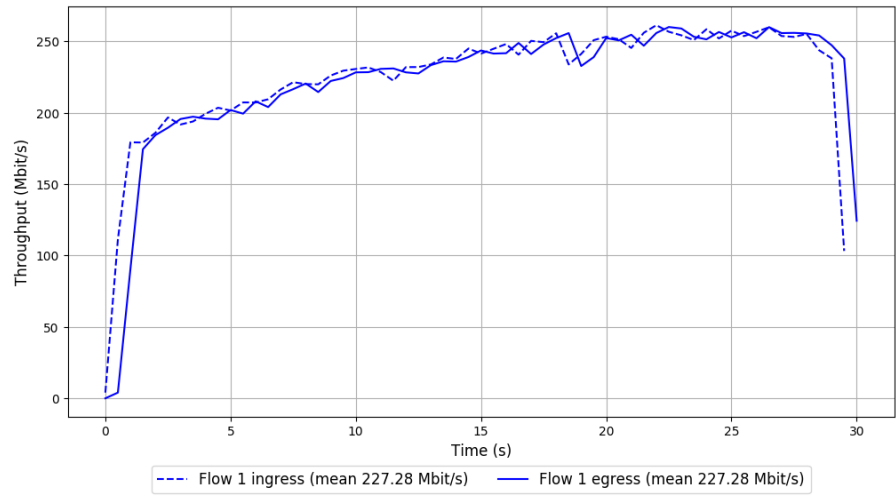


Run 4: Statistics of Indigo

Start at: 2019-03-09 18:31:42
End at: 2019-03-09 18:32:12
Local clock offset: -0.502 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2019-03-09 20:12:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 227.28 Mbit/s
95th percentile per-packet one-way delay: 48.440 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 227.28 Mbit/s
95th percentile per-packet one-way delay: 48.440 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

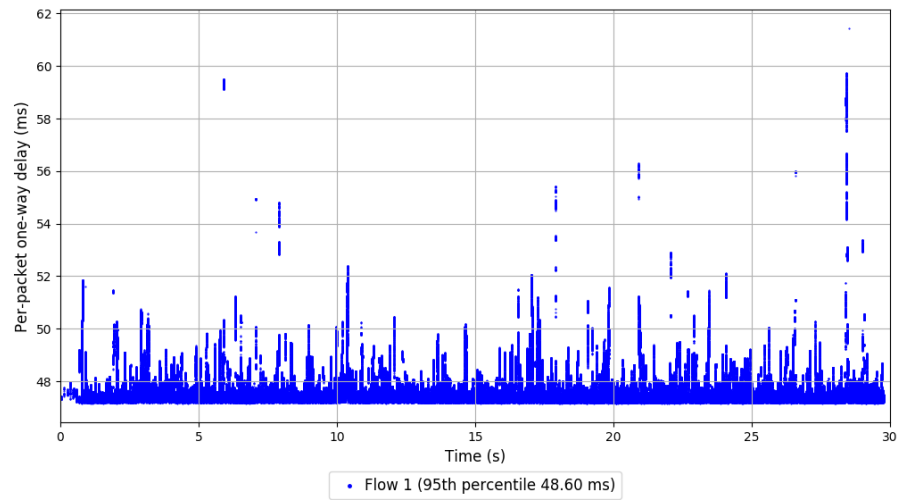
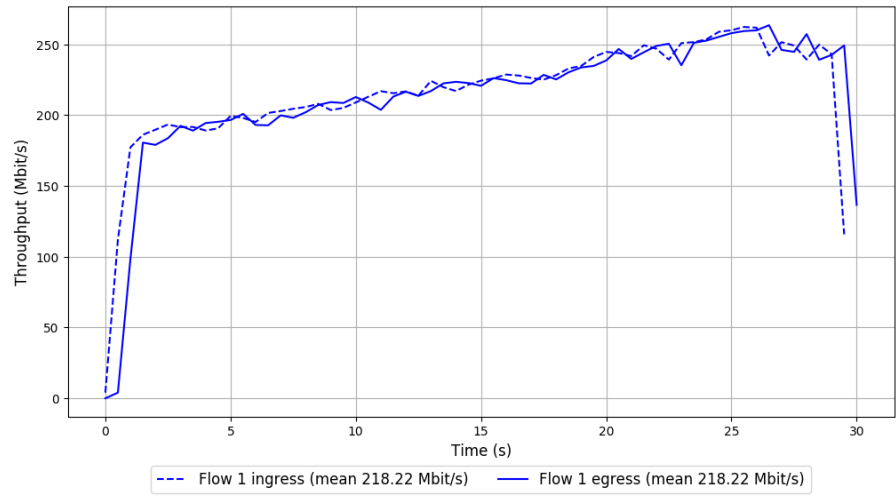


Run 5: Statistics of Indigo

Start at: 2019-03-09 19:02:15
End at: 2019-03-09 19:02:45
Local clock offset: -0.098 ms
Remote clock offset: -0.143 ms

Below is generated by plot.py at 2019-03-09 20:12:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 218.22 Mbit/s
95th percentile per-packet one-way delay: 48.601 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 218.22 Mbit/s
95th percentile per-packet one-way delay: 48.601 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

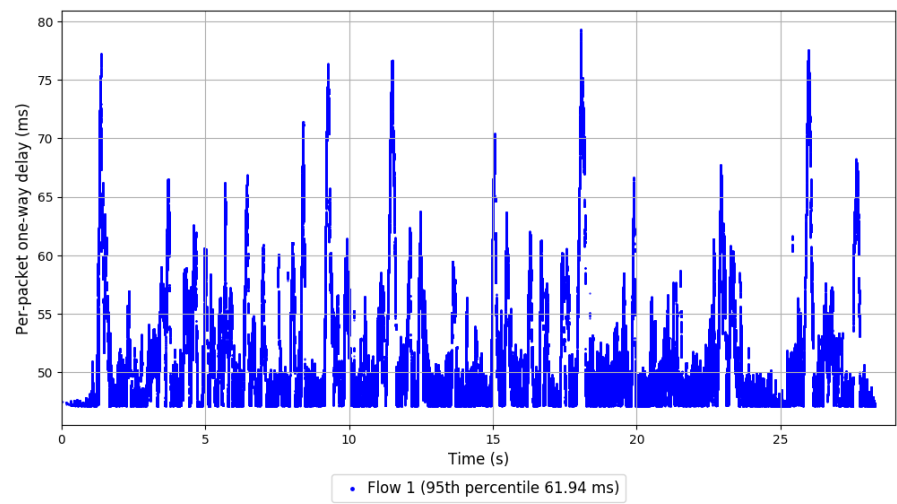
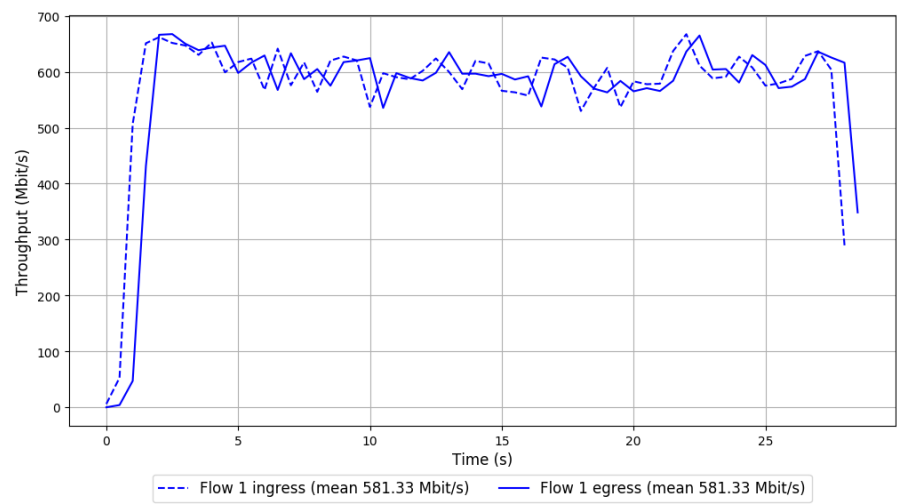


Run 1: Statistics of Indigo-MusesC3

Start at: 2019-03-09 16:46:24
End at: 2019-03-09 16:46:54
Local clock offset: -0.037 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2019-03-09 20:12:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 581.33 Mbit/s
95th percentile per-packet one-way delay: 61.935 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 581.33 Mbit/s
95th percentile per-packet one-way delay: 61.935 ms
Loss rate: 0.00%

Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2019-03-09 17:17:05

End at: 2019-03-09 17:17:35

Local clock offset: 0.346 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2019-03-09 20:12:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 550.73 Mbit/s

95th percentile per-packet one-way delay: 61.023 ms

Loss rate: 0.00%

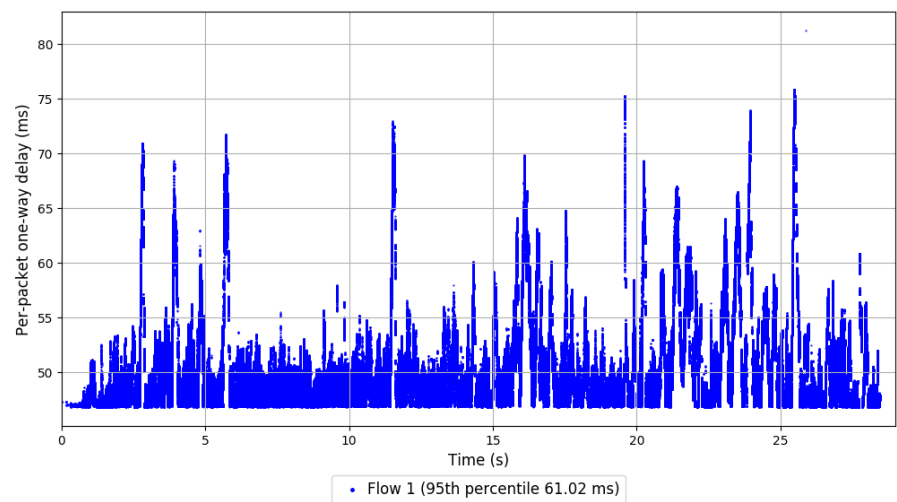
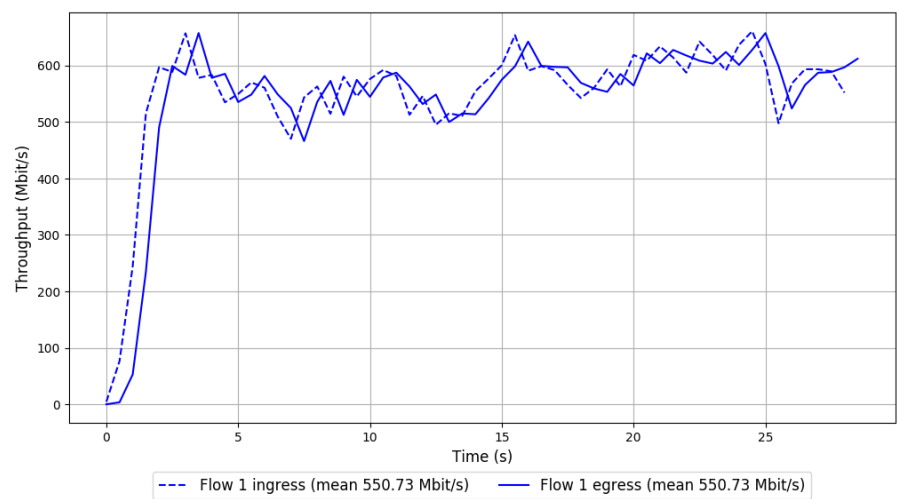
-- Flow 1:

Average throughput: 550.73 Mbit/s

95th percentile per-packet one-way delay: 61.023 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesC3 — Data Link

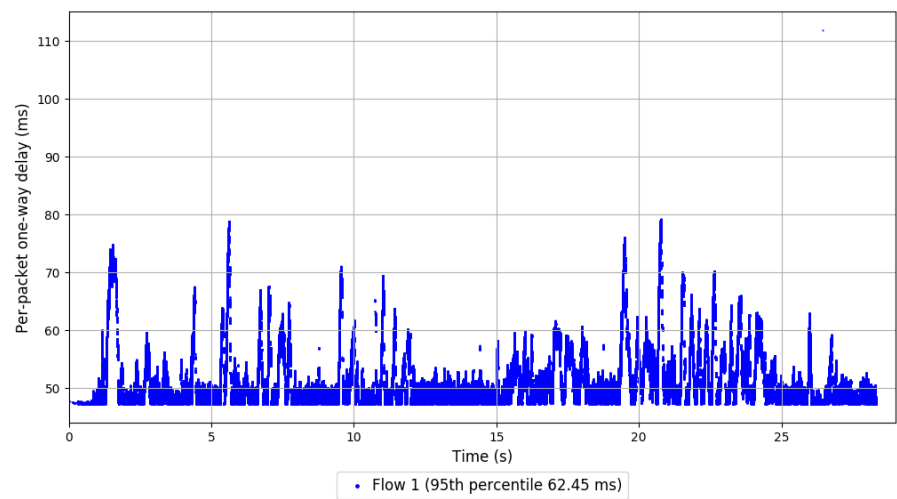
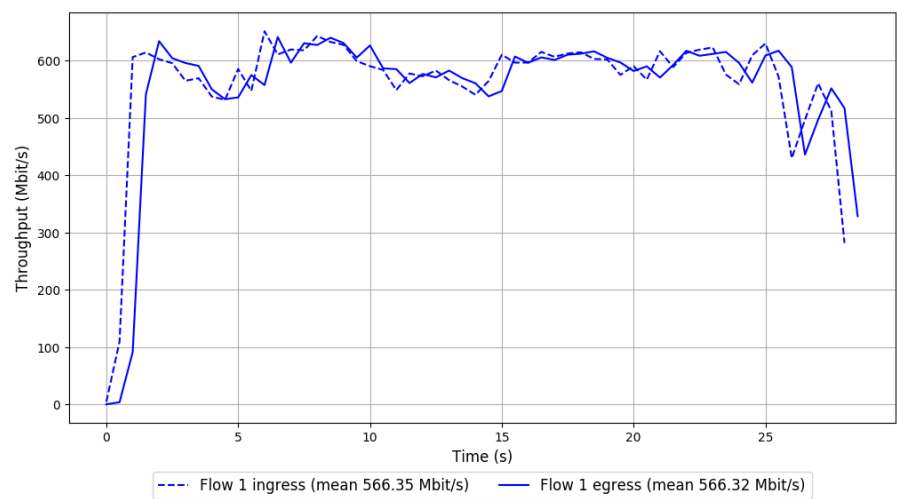


Run 3: Statistics of Indigo-MusesC3

Start at: 2019-03-09 17:47:56
End at: 2019-03-09 17:48:26
Local clock offset: -0.098 ms
Remote clock offset: -0.124 ms

Below is generated by plot.py at 2019-03-09 20:12:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 566.32 Mbit/s
95th percentile per-packet one-way delay: 62.454 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 566.32 Mbit/s
95th percentile per-packet one-way delay: 62.454 ms
Loss rate: 0.00%

Run 3: Report of Indigo-MusesC3 — Data Link

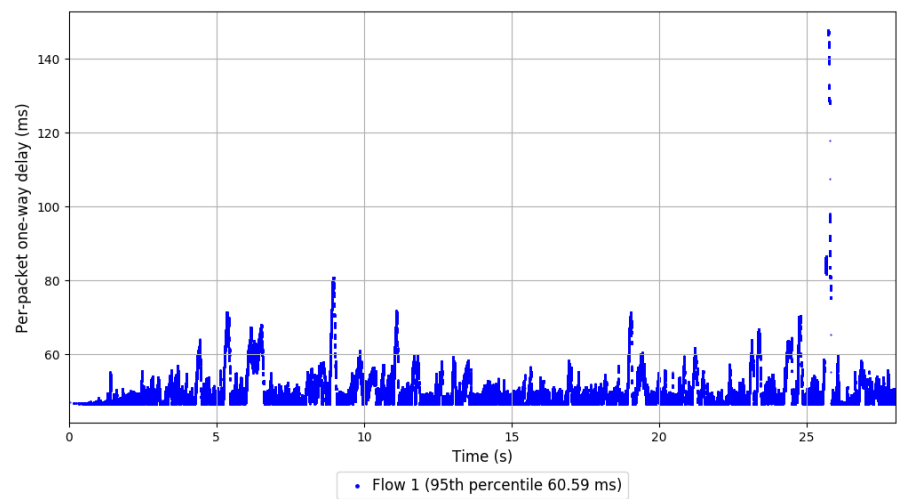
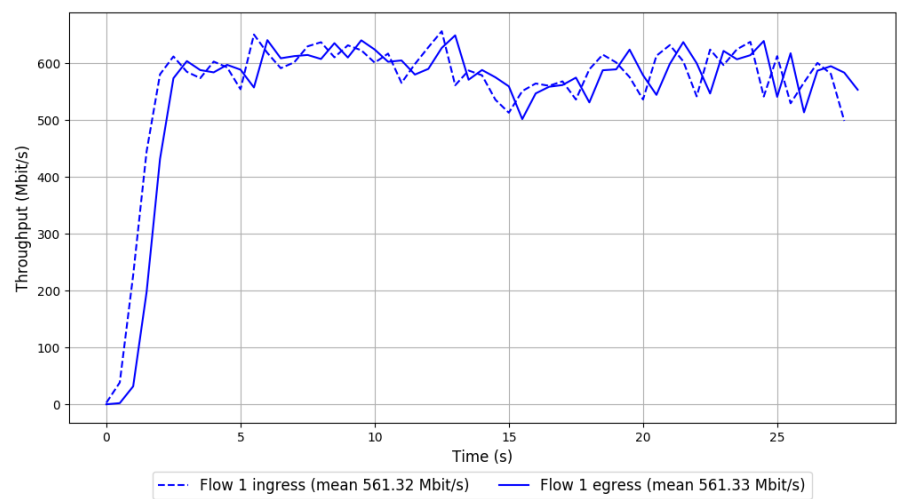


Run 4: Statistics of Indigo-MusesC3

Start at: 2019-03-09 18:18:29
End at: 2019-03-09 18:18:59
Local clock offset: -0.077 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2019-03-09 20:12:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 561.33 Mbit/s
95th percentile per-packet one-way delay: 60.585 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 561.33 Mbit/s
95th percentile per-packet one-way delay: 60.585 ms
Loss rate: 0.00%

Run 4: Report of Indigo-MusesC3 — Data Link

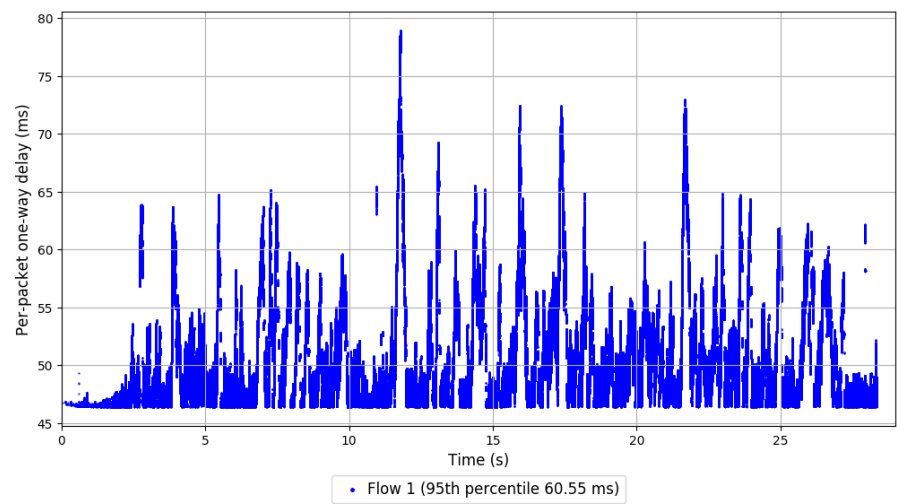
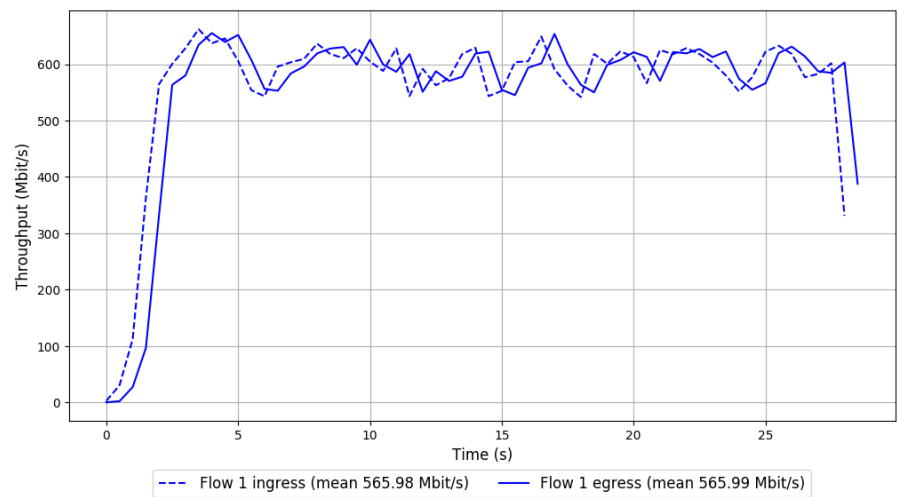


Run 5: Statistics of Indigo-MusesC3

Start at: 2019-03-09 18:48:54
End at: 2019-03-09 18:49:24
Local clock offset: -0.128 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2019-03-09 20:12:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 565.99 Mbit/s
95th percentile per-packet one-way delay: 60.546 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 565.99 Mbit/s
95th percentile per-packet one-way delay: 60.546 ms
Loss rate: 0.00%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2019-03-09 16:57:57

End at: 2019-03-09 16:58:27

Local clock offset: -0.04 ms

Remote clock offset: -0.053 ms

Below is generated by plot.py at 2019-03-09 20:12:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 589.78 Mbit/s

95th percentile per-packet one-way delay: 76.562 ms

Loss rate: 0.00%

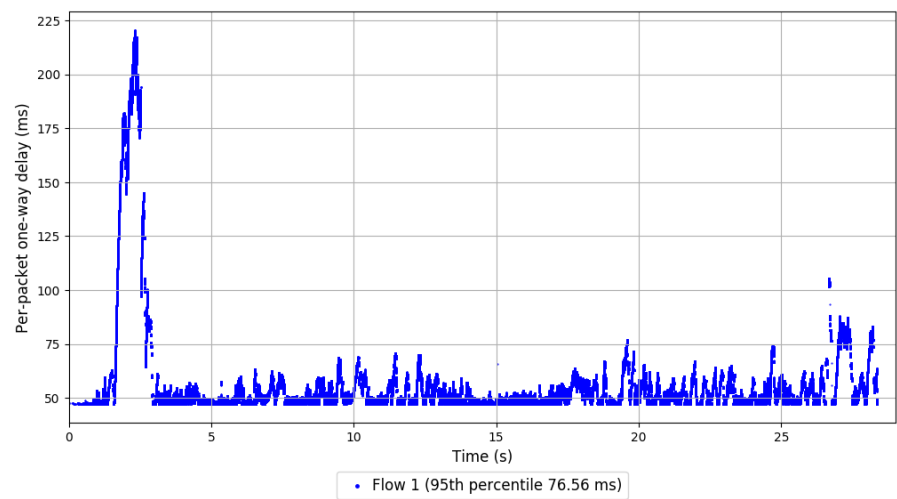
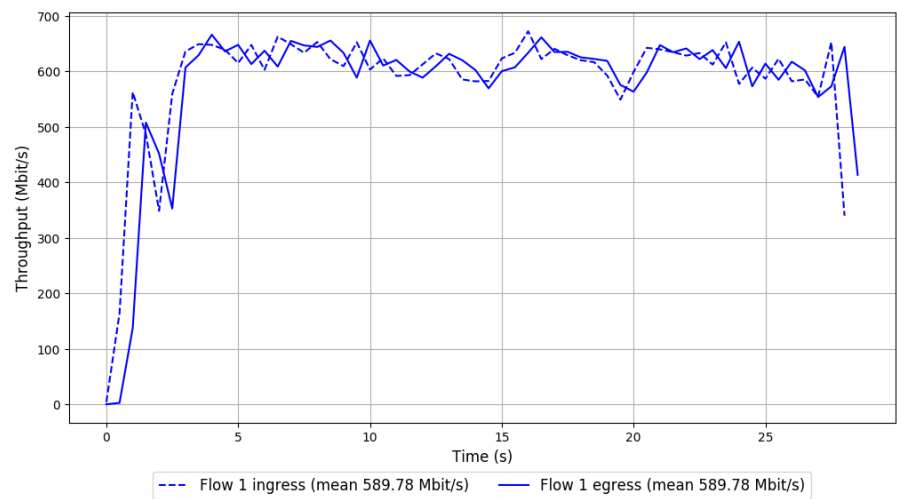
-- Flow 1:

Average throughput: 589.78 Mbit/s

95th percentile per-packet one-way delay: 76.562 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesC5 — Data Link

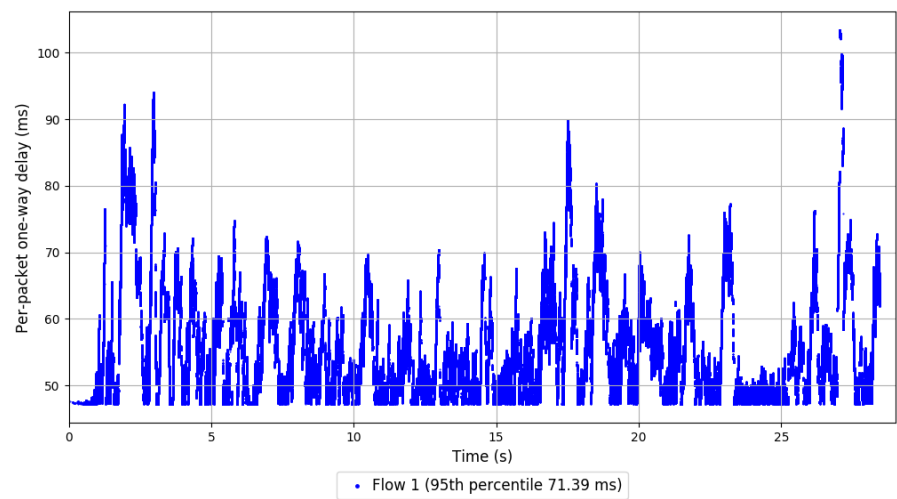
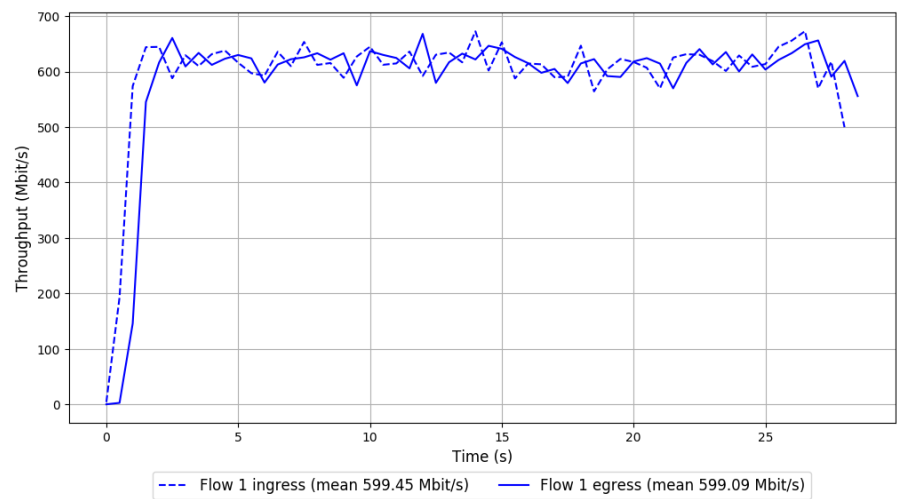


Run 2: Statistics of Indigo-MusesC5

Start at: 2019-03-09 17:28:49
End at: 2019-03-09 17:29:19
Local clock offset: -0.025 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2019-03-09 20:16:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 599.09 Mbit/s
95th percentile per-packet one-way delay: 71.387 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 599.09 Mbit/s
95th percentile per-packet one-way delay: 71.387 ms
Loss rate: 0.05%

Run 2: Report of Indigo-MusesC5 — Data Link

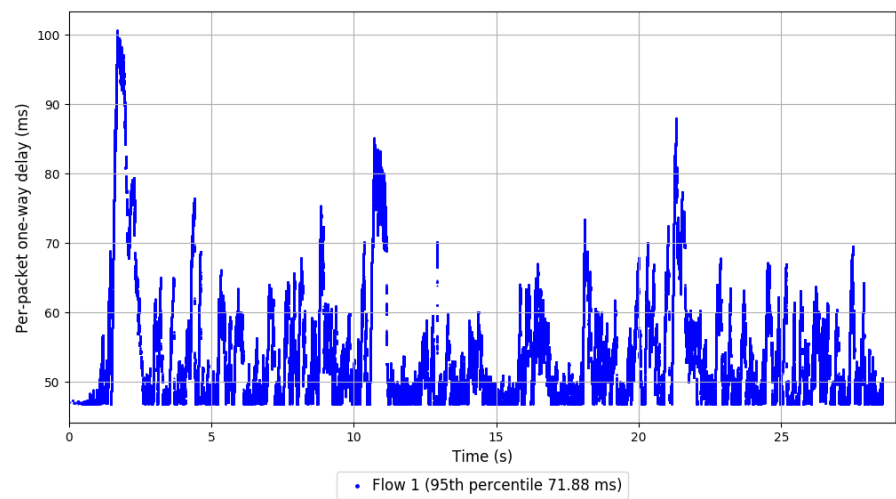
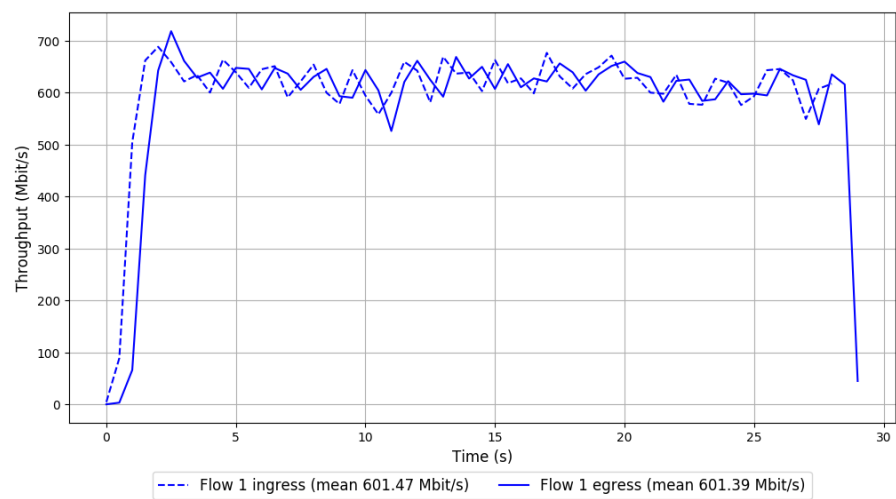


Run 3: Statistics of Indigo-MusesC5

Start at: 2019-03-09 17:59:21
End at: 2019-03-09 17:59:51
Local clock offset: -0.439 ms
Remote clock offset: -0.132 ms

Below is generated by plot.py at 2019-03-09 20:17:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 601.39 Mbit/s
95th percentile per-packet one-way delay: 71.879 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 601.39 Mbit/s
95th percentile per-packet one-way delay: 71.879 ms
Loss rate: 0.01%

Run 3: Report of Indigo-MusesC5 — Data Link

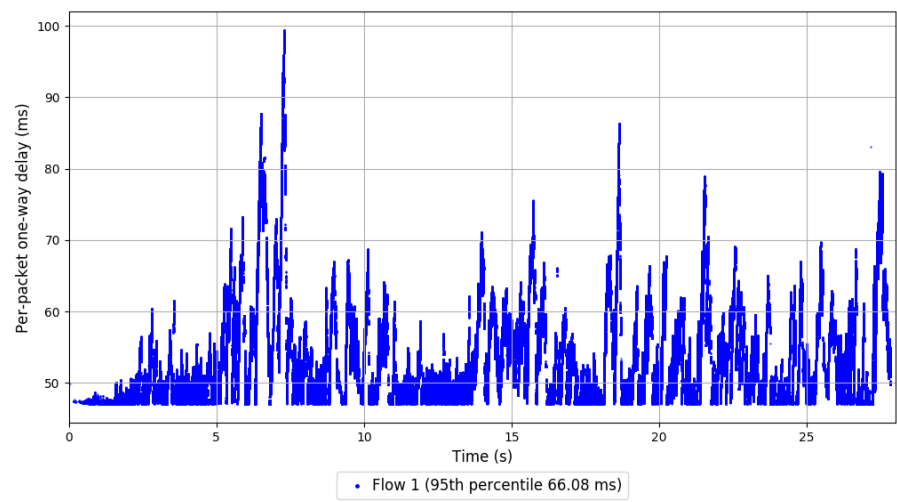
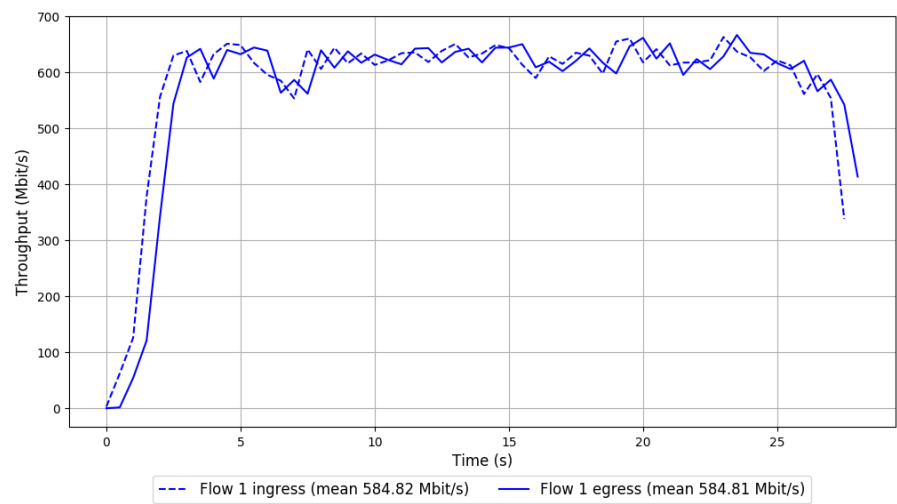


Run 4: Statistics of Indigo-MusesC5

Start at: 2019-03-09 18:30:08
End at: 2019-03-09 18:30:38
Local clock offset: -0.447 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2019-03-09 20:21:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 584.81 Mbit/s
95th percentile per-packet one-way delay: 66.079 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 584.81 Mbit/s
95th percentile per-packet one-way delay: 66.079 ms
Loss rate: 0.01%

Run 4: Report of Indigo-MusesC5 — Data Link

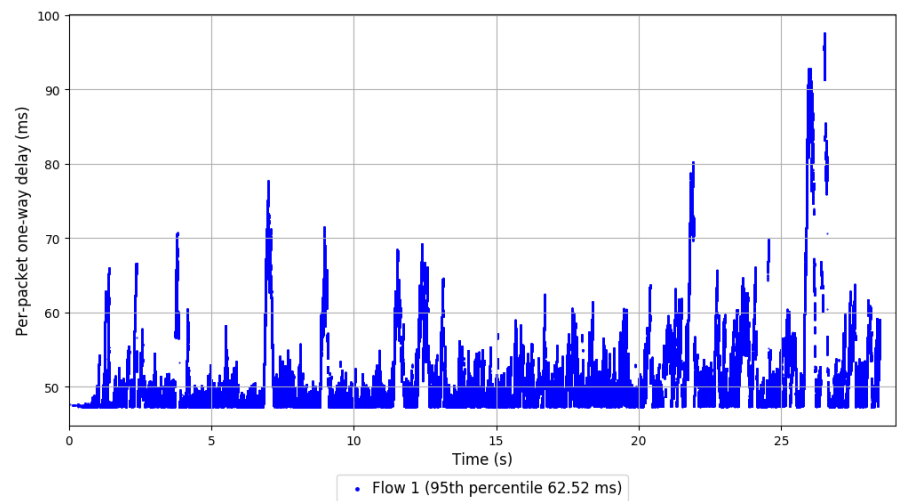
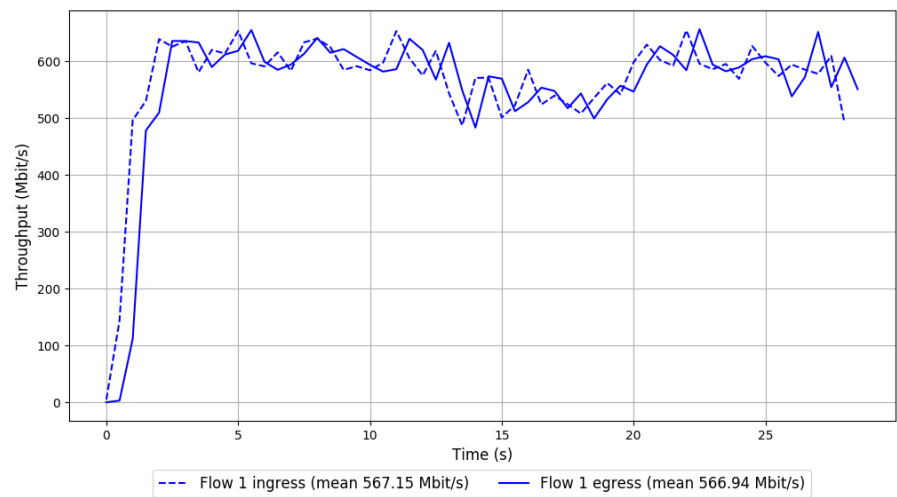


Run 5: Statistics of Indigo-MusesC5

Start at: 2019-03-09 19:00:41
End at: 2019-03-09 19:01:11
Local clock offset: -0.141 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2019-03-09 20:22:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 566.94 Mbit/s
95th percentile per-packet one-way delay: 62.523 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 566.94 Mbit/s
95th percentile per-packet one-way delay: 62.523 ms
Loss rate: 0.04%

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

Start at: 2019-03-09 16:49:42

End at: 2019-03-09 16:50:12

Local clock offset: -0.065 ms

Remote clock offset: -0.112 ms

Below is generated by plot.py at 2019-03-09 20:22:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 481.42 Mbit/s

95th percentile per-packet one-way delay: 60.279 ms

Loss rate: 0.01%

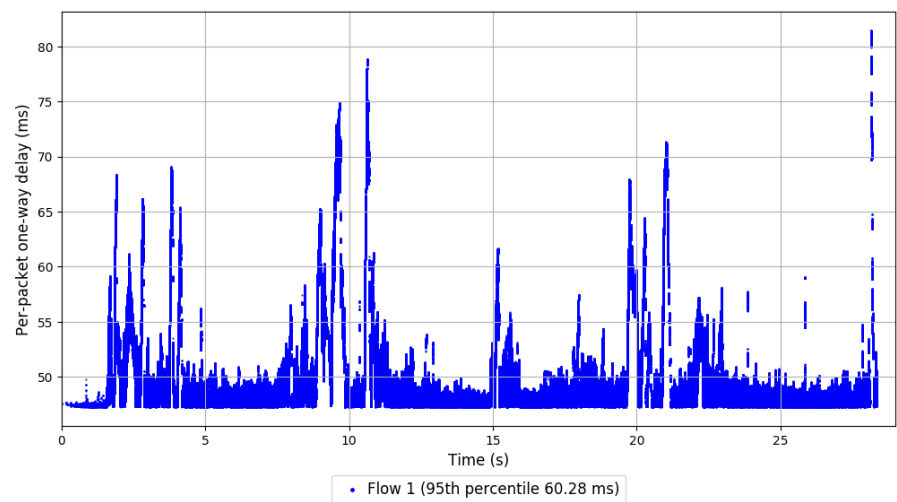
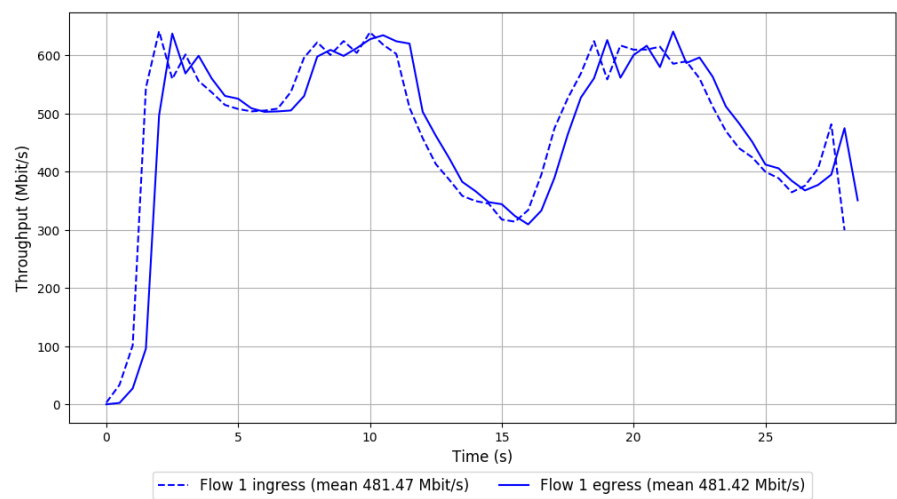
-- Flow 1:

Average throughput: 481.42 Mbit/s

95th percentile per-packet one-way delay: 60.279 ms

Loss rate: 0.01%

Run 1: Report of Indigo-MusesD — Data Link

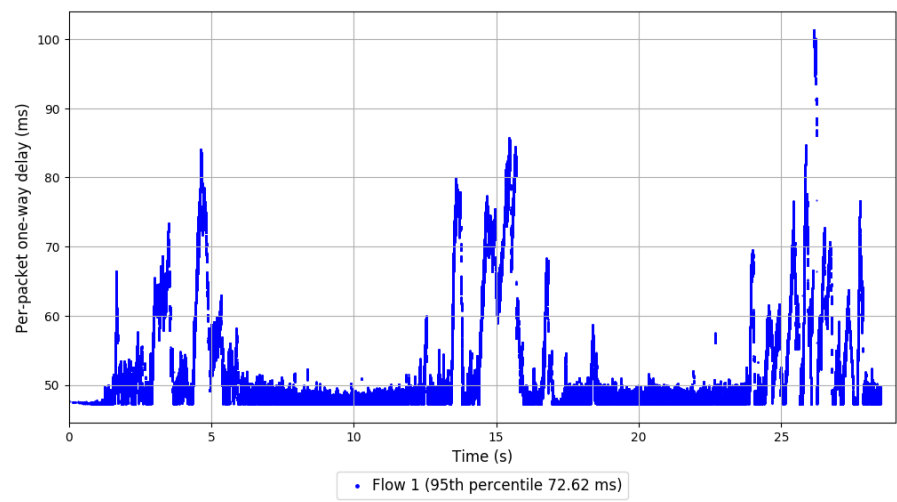
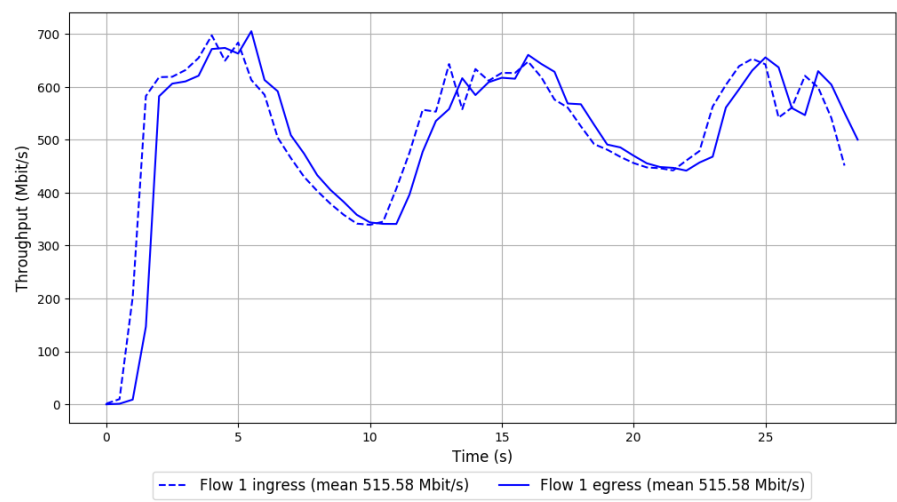


Run 2: Statistics of Indigo-MusesD

Start at: 2019-03-09 17:20:19
End at: 2019-03-09 17:20:49
Local clock offset: -0.021 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2019-03-09 20:22:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 515.58 Mbit/s
95th percentile per-packet one-way delay: 72.621 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 515.58 Mbit/s
95th percentile per-packet one-way delay: 72.621 ms
Loss rate: 0.00%

Run 2: Report of Indigo-MusesD — Data Link

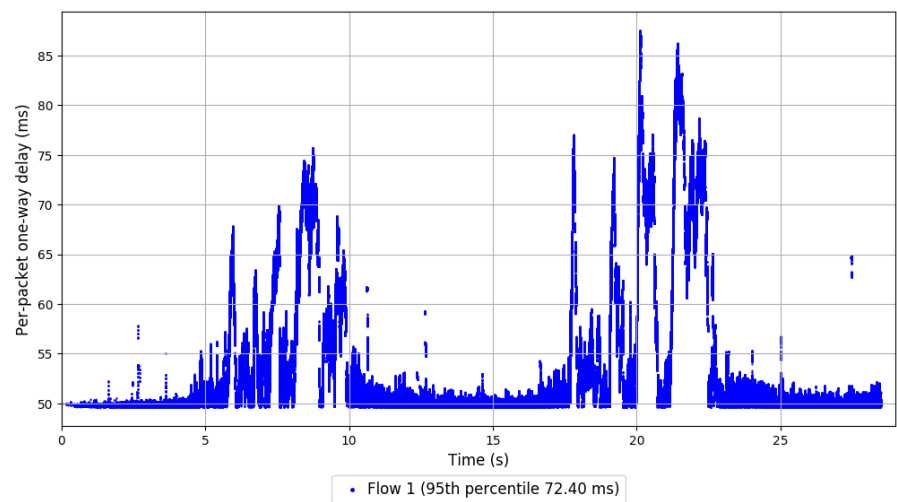
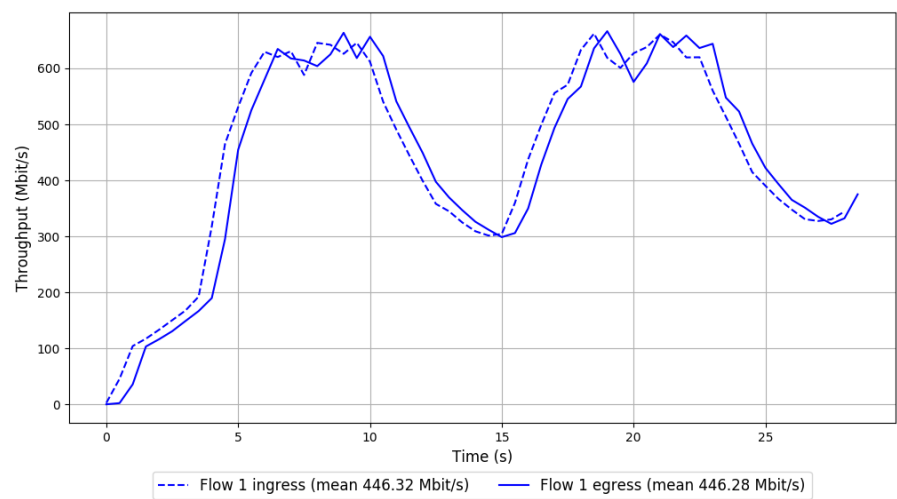


Run 3: Statistics of Indigo-MusesD

Start at: 2019-03-09 17:51:13
End at: 2019-03-09 17:51:43
Local clock offset: -0.066 ms
Remote clock offset: -0.125 ms

Below is generated by plot.py at 2019-03-09 20:22:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 446.28 Mbit/s
95th percentile per-packet one-way delay: 72.396 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 446.28 Mbit/s
95th percentile per-packet one-way delay: 72.396 ms
Loss rate: 0.01%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-03-09 18:21:44

End at: 2019-03-09 18:22:14

Local clock offset: -0.087 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2019-03-09 20:22:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 489.61 Mbit/s

95th percentile per-packet one-way delay: 72.044 ms

Loss rate: 0.00%

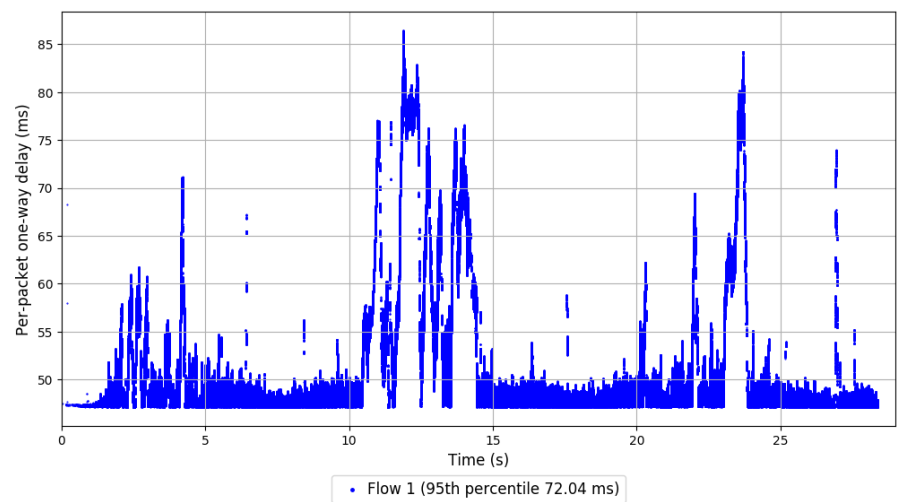
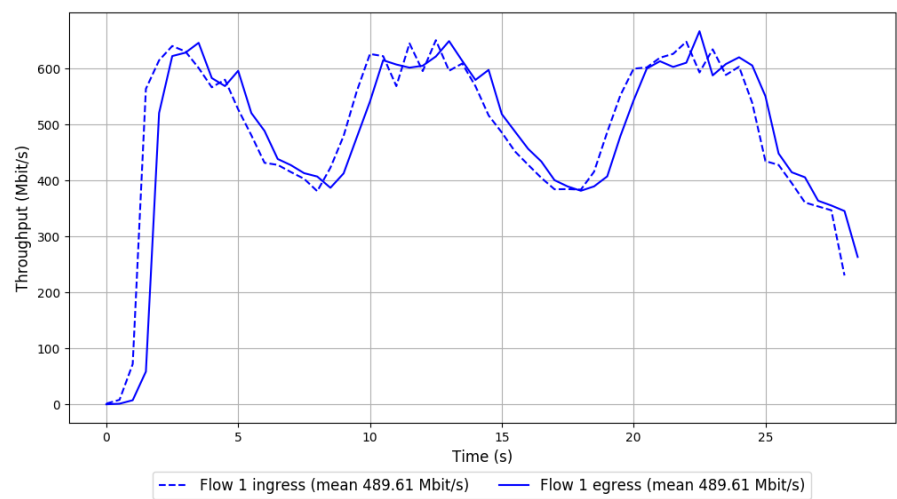
-- Flow 1:

Average throughput: 489.61 Mbit/s

95th percentile per-packet one-way delay: 72.044 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-03-09 18:52:12

End at: 2019-03-09 18:52:42

Local clock offset: 0.249 ms

Remote clock offset: -0.071 ms

Below is generated by plot.py at 2019-03-09 20:26:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 513.83 Mbit/s

95th percentile per-packet one-way delay: 66.440 ms

Loss rate: 0.10%

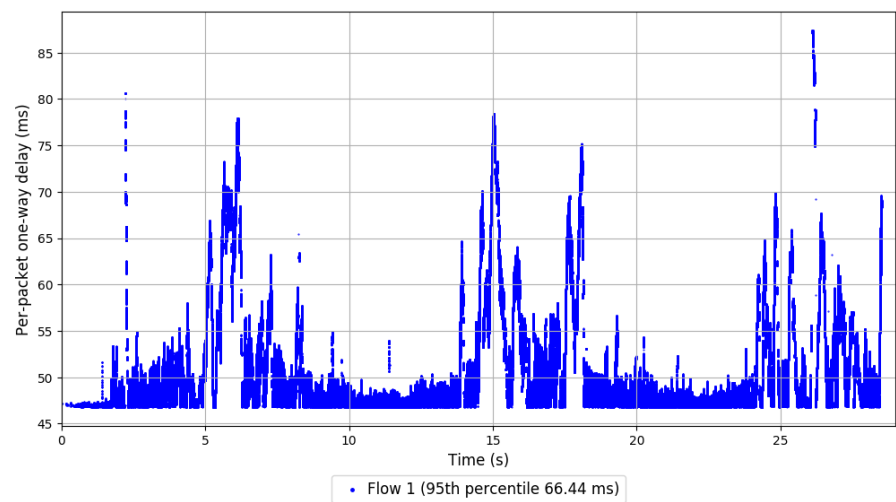
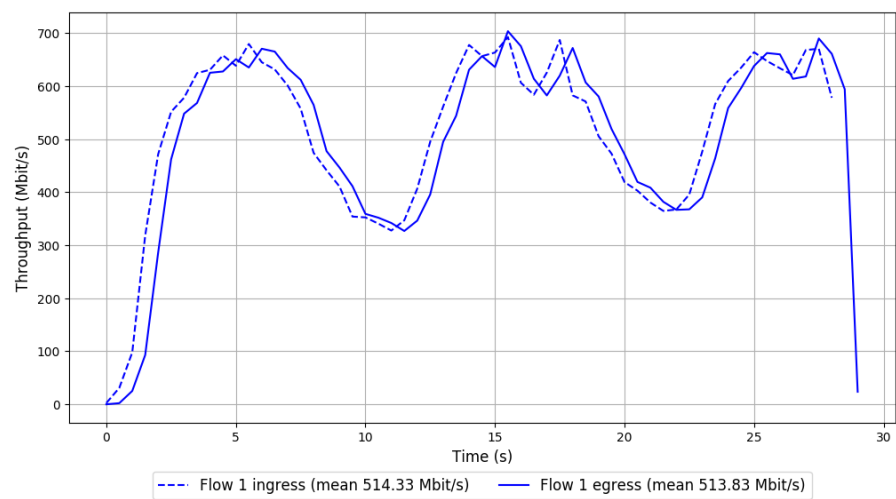
-- Flow 1:

Average throughput: 513.83 Mbit/s

95th percentile per-packet one-way delay: 66.440 ms

Loss rate: 0.10%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MusesT

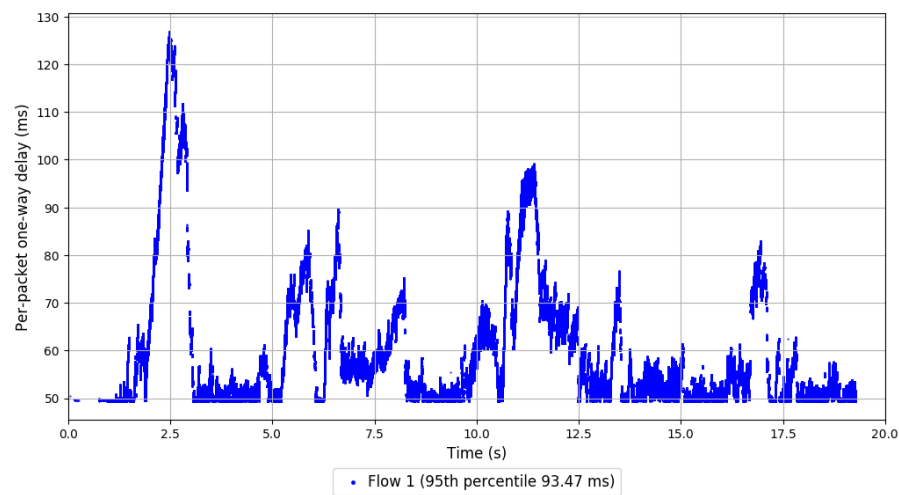
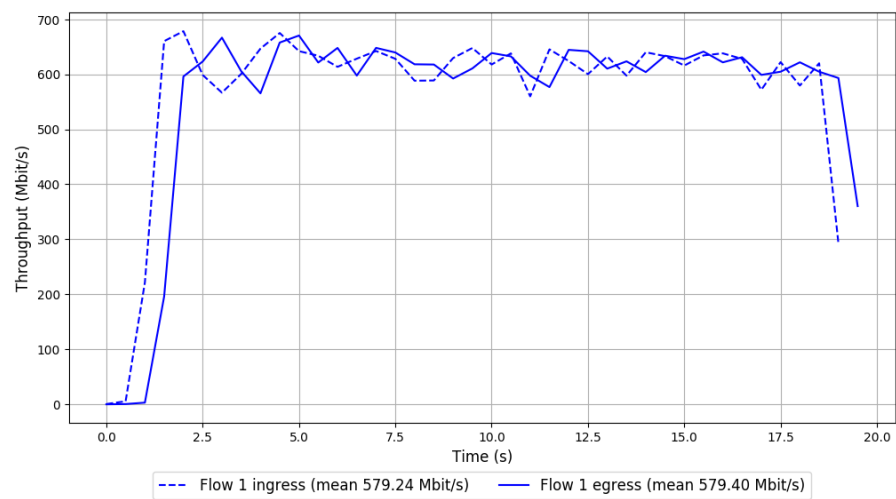
Start at: 2019-03-09 16:36:27

End at: 2019-03-09 16:36:57

Local clock offset: -0.044 ms

Remote clock offset: -0.113 ms

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-03-09 17:07:15

End at: 2019-03-09 17:07:45

Local clock offset: -0.061 ms

Remote clock offset: -0.041 ms

Below is generated by plot.py at 2019-03-09 20:31:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 615.45 Mbit/s

95th percentile per-packet one-way delay: 94.411 ms

Loss rate: 0.03%

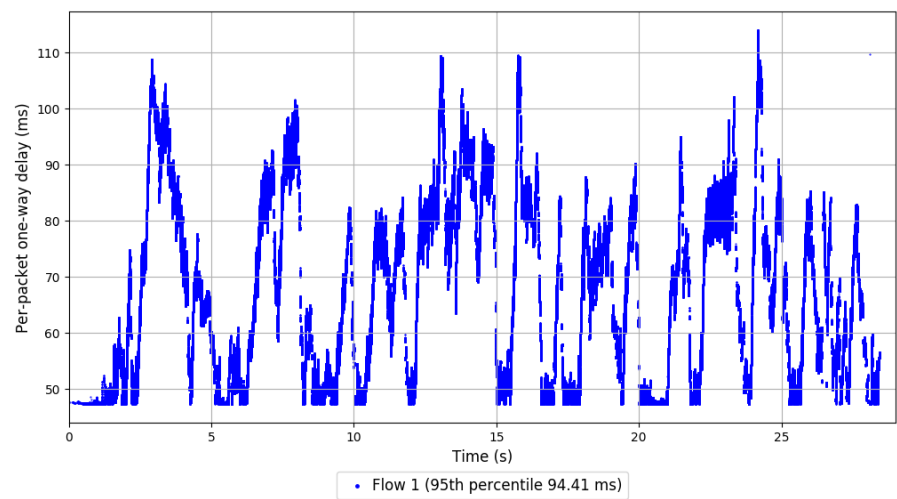
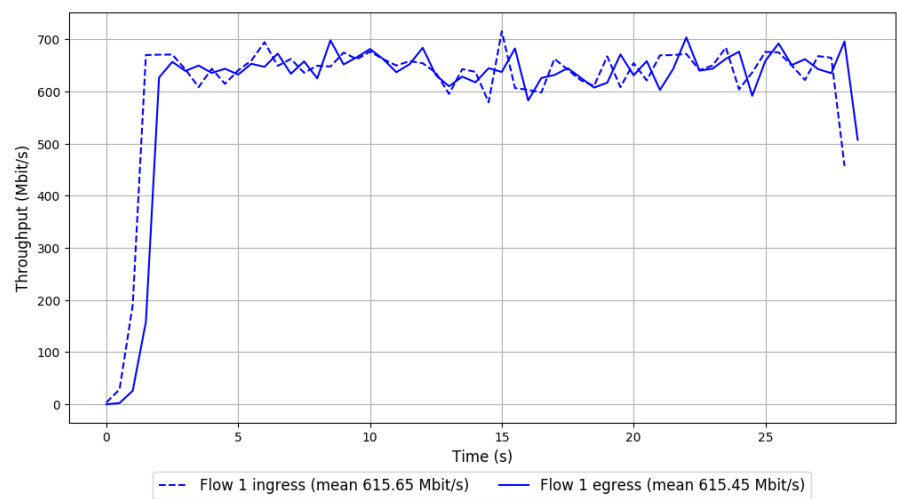
-- Flow 1:

Average throughput: 615.45 Mbit/s

95th percentile per-packet one-way delay: 94.411 ms

Loss rate: 0.03%

Run 2: Report of Indigo-MusesT — Data Link

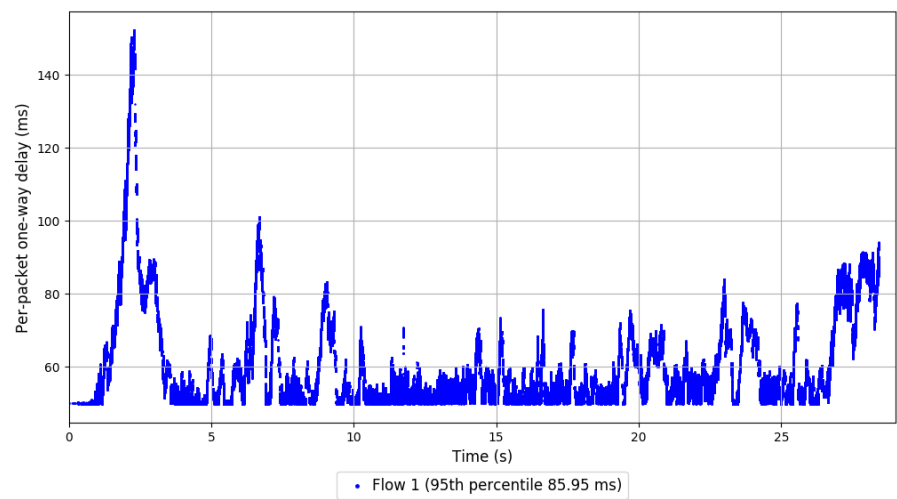
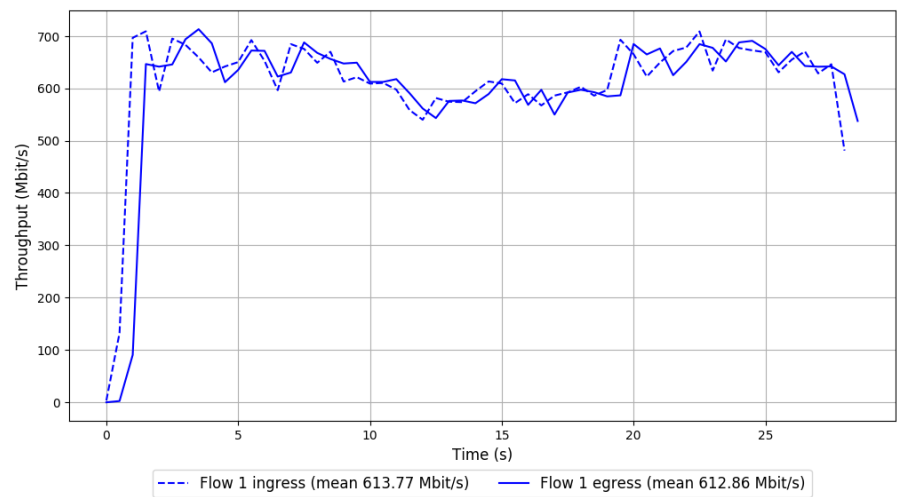


Run 3: Statistics of Indigo-MusesT

Start at: 2019-03-09 17:37:49
End at: 2019-03-09 17:38:19
Local clock offset: -0.047 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2019-03-09 20:31:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 612.86 Mbit/s
95th percentile per-packet one-way delay: 85.955 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 612.86 Mbit/s
95th percentile per-packet one-way delay: 85.955 ms
Loss rate: 0.15%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2019-03-09 18:08:24

End at: 2019-03-09 18:08:54

Local clock offset: -0.11 ms

Remote clock offset: -0.106 ms

Below is generated by plot.py at 2019-03-09 20:32:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 609.25 Mbit/s

95th percentile per-packet one-way delay: 99.103 ms

Loss rate: 0.07%

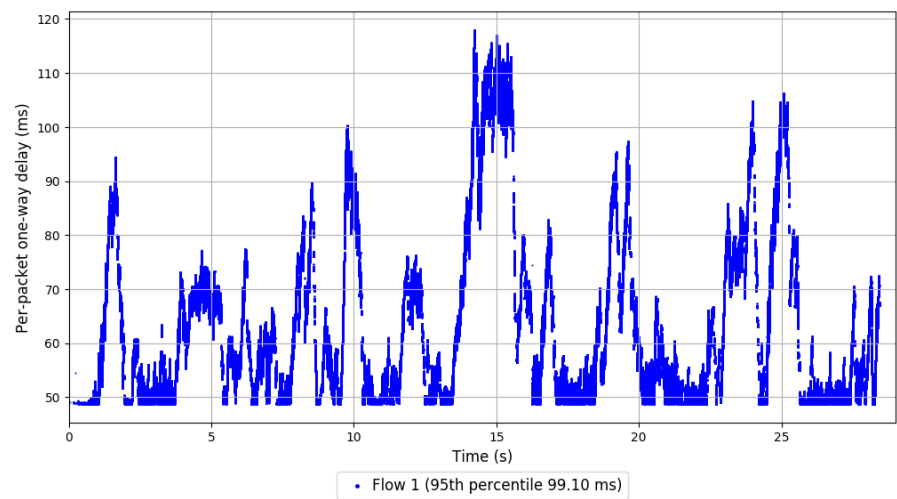
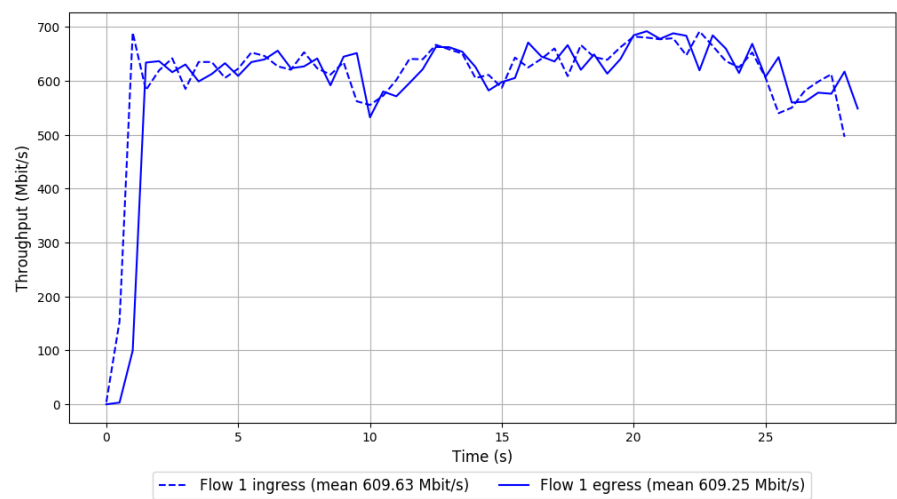
-- Flow 1:

Average throughput: 609.25 Mbit/s

95th percentile per-packet one-way delay: 99.103 ms

Loss rate: 0.07%

Run 4: Report of Indigo-MusesT — Data Link

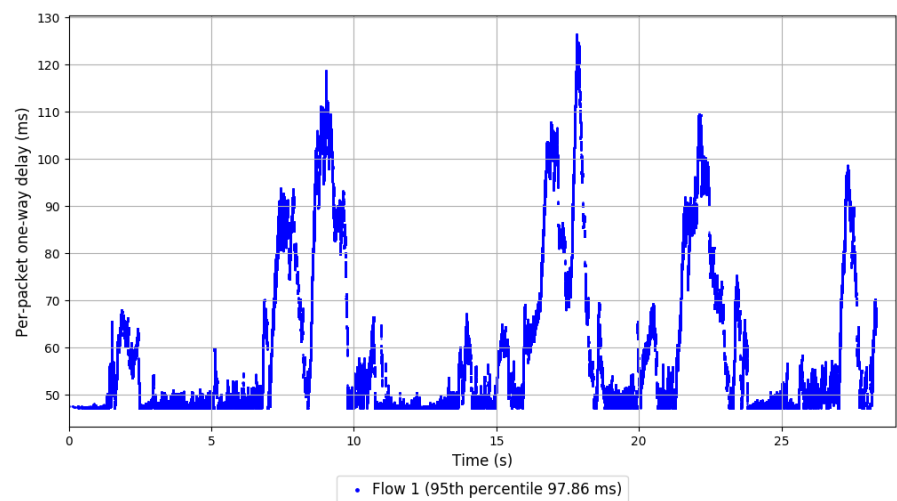
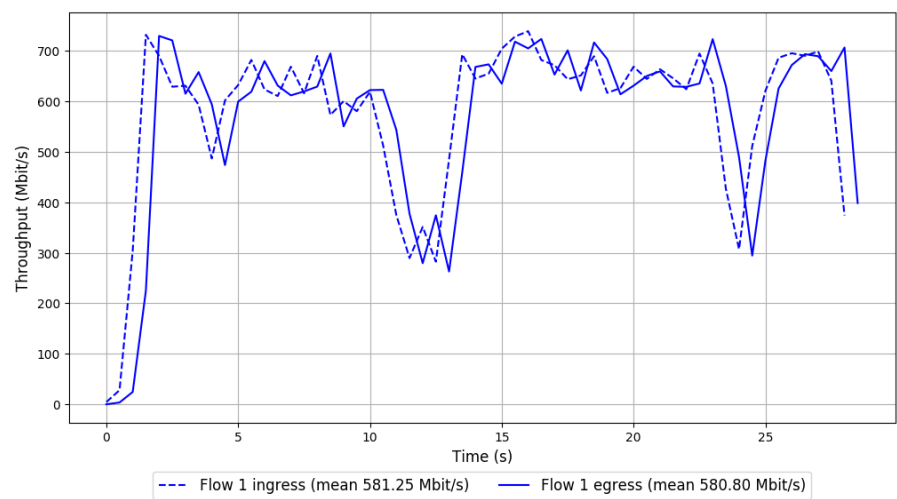


Run 5: Statistics of Indigo-MusesT

Start at: 2019-03-09 18:39:05
End at: 2019-03-09 18:39:35
Local clock offset: -0.148 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2019-03-09 20:32:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 580.80 Mbit/s
95th percentile per-packet one-way delay: 97.859 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 580.80 Mbit/s
95th percentile per-packet one-way delay: 97.859 ms
Loss rate: 0.08%

Run 5: Report of Indigo-MusesT — Data Link

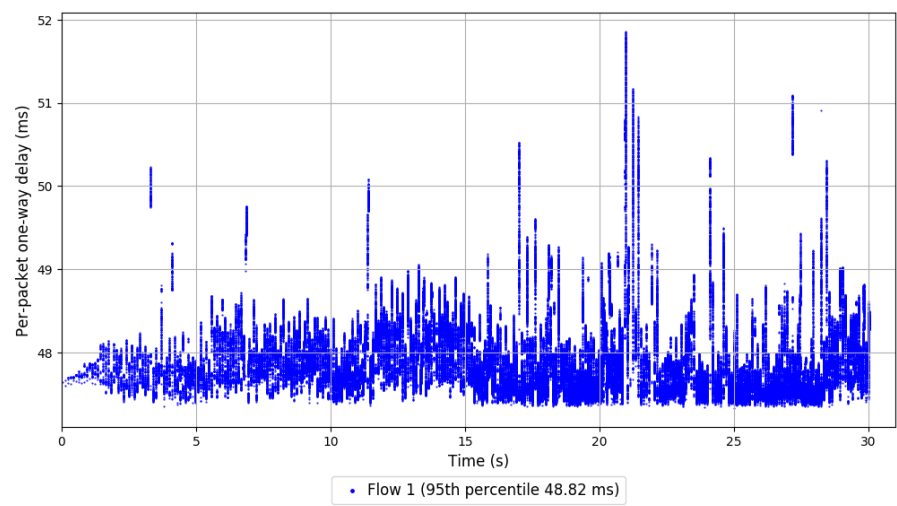
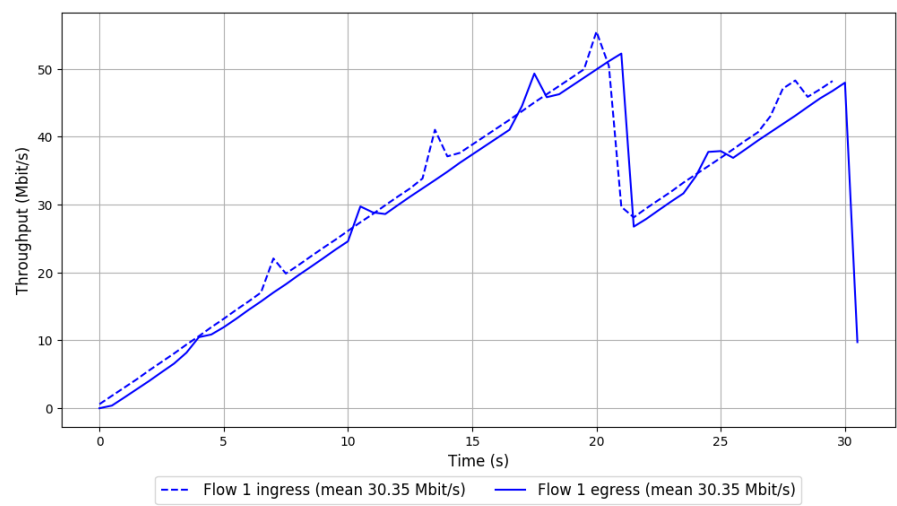


Run 1: Statistics of LEDBAT

Start at: 2019-03-09 16:43:36
End at: 2019-03-09 16:44:06
Local clock offset: -0.074 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2019-03-09 20:32:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 30.35 Mbit/s
95th percentile per-packet one-way delay: 48.818 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 30.35 Mbit/s
95th percentile per-packet one-way delay: 48.818 ms
Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link

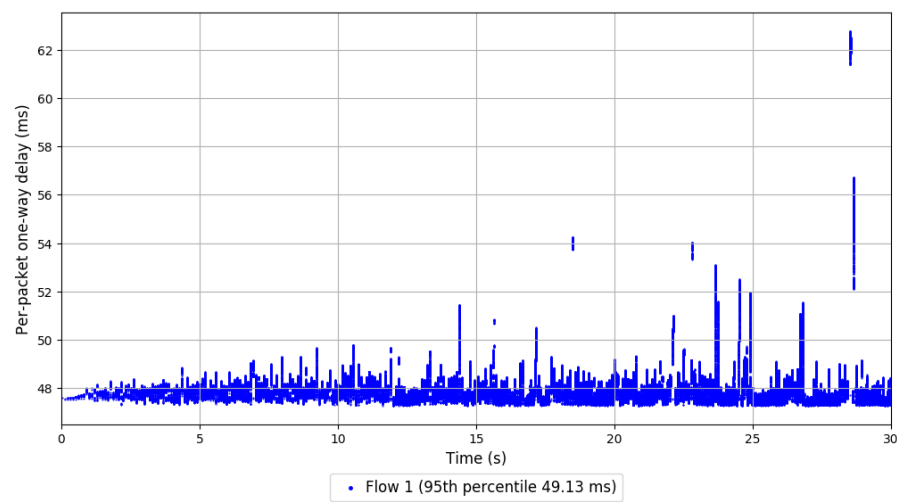
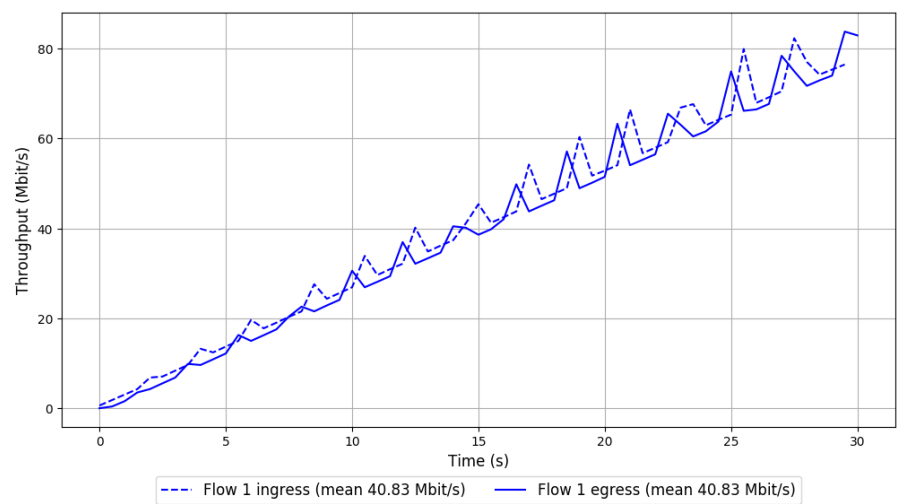


Run 2: Statistics of LEDBAT

Start at: 2019-03-09 17:14:18
End at: 2019-03-09 17:14:48
Local clock offset: -0.078 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2019-03-09 20:32:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.83 Mbit/s
95th percentile per-packet one-way delay: 49.131 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 40.83 Mbit/s
95th percentile per-packet one-way delay: 49.131 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

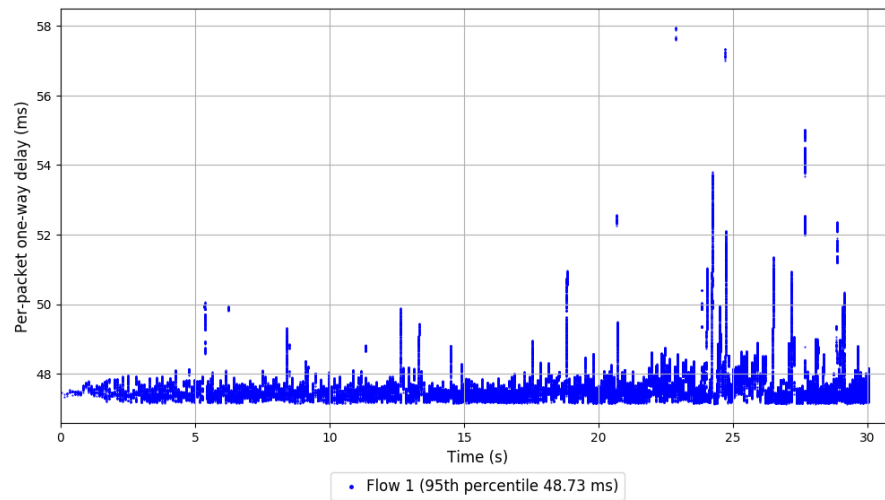
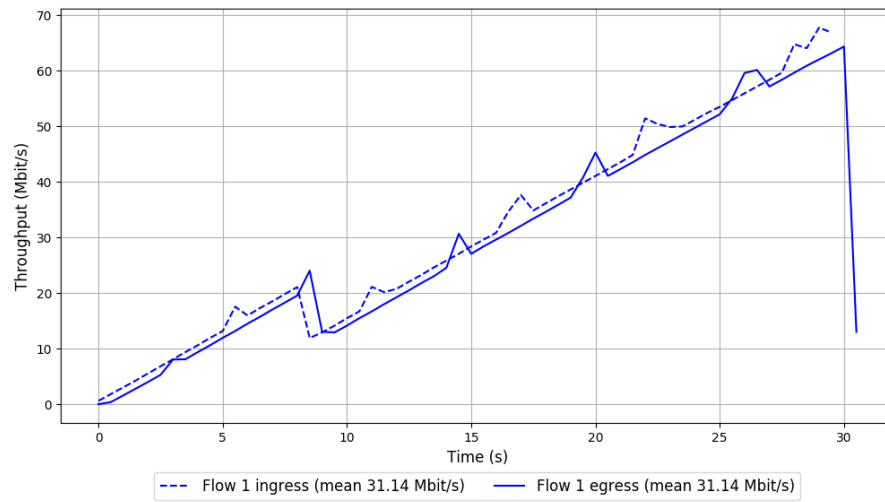


Run 3: Statistics of LEDBAT

Start at: 2019-03-09 17:45:09
End at: 2019-03-09 17:45:39
Local clock offset: -0.079 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2019-03-09 20:32:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 31.14 Mbit/s
95th percentile per-packet one-way delay: 48.725 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 31.14 Mbit/s
95th percentile per-packet one-way delay: 48.725 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

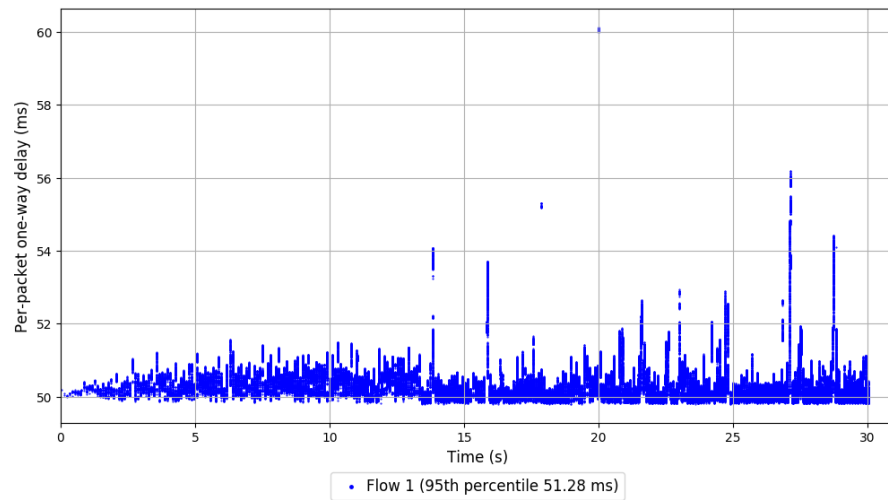
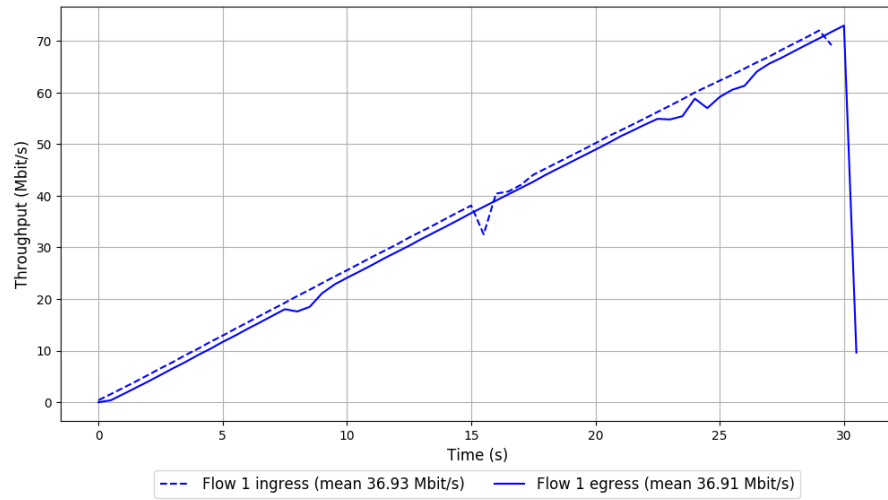


Run 4: Statistics of LEDBAT

Start at: 2019-03-09 18:15:45
End at: 2019-03-09 18:16:15
Local clock offset: -0.48 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2019-03-09 20:32:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 36.91 Mbit/s
95th percentile per-packet one-way delay: 51.278 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 36.91 Mbit/s
95th percentile per-packet one-way delay: 51.278 ms
Loss rate: 0.05%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2019-03-09 18:46:08

End at: 2019-03-09 18:46:38

Local clock offset: -0.088 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2019-03-09 20:32:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.58 Mbit/s

95th percentile per-packet one-way delay: 47.918 ms

Loss rate: 0.00%

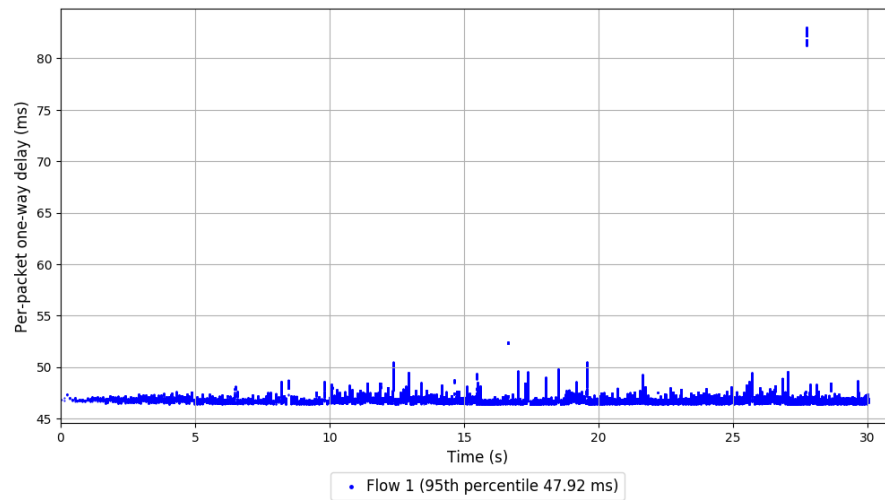
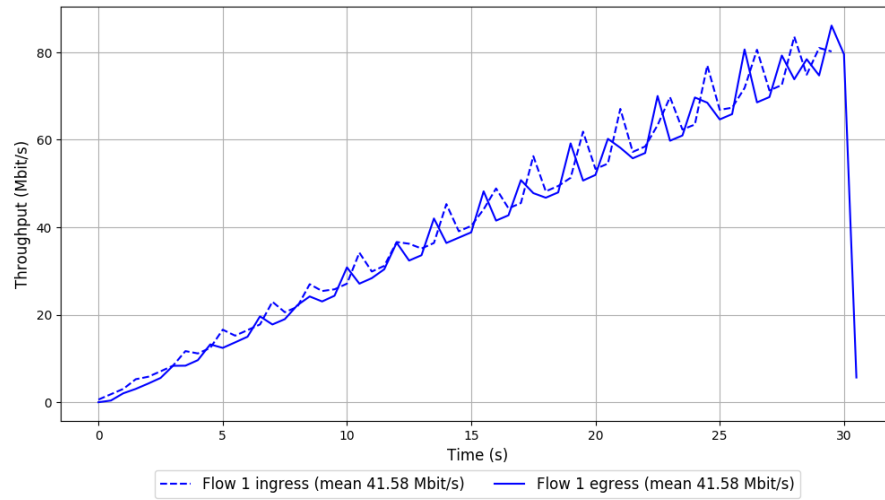
-- Flow 1:

Average throughput: 41.58 Mbit/s

95th percentile per-packet one-way delay: 47.918 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2019-03-09 16:52:19

End at: 2019-03-09 16:52:49

Local clock offset: -0.001 ms

Remote clock offset: -0.079 ms

Below is generated by plot.py at 2019-03-09 20:37:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 378.27 Mbit/s

95th percentile per-packet one-way delay: 92.655 ms

Loss rate: 0.12%

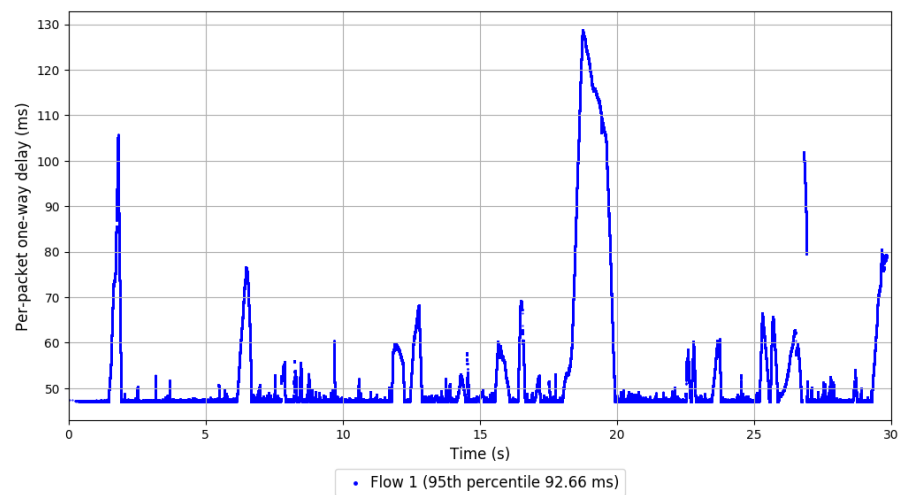
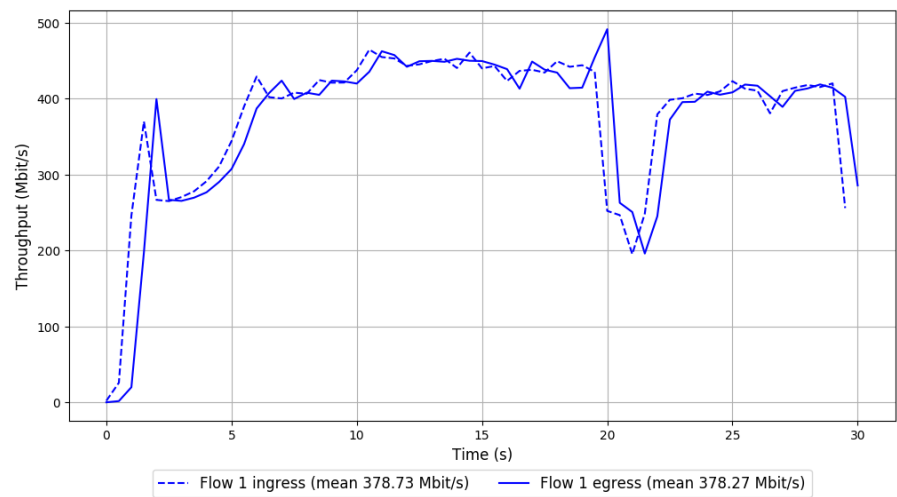
-- Flow 1:

Average throughput: 378.27 Mbit/s

95th percentile per-packet one-way delay: 92.655 ms

Loss rate: 0.12%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-03-09 17:23:04

End at: 2019-03-09 17:23:34

Local clock offset: -0.06 ms

Remote clock offset: -0.015 ms

Below is generated by plot.py at 2019-03-09 20:40:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 399.69 Mbit/s

95th percentile per-packet one-way delay: 163.730 ms

Loss rate: 1.17%

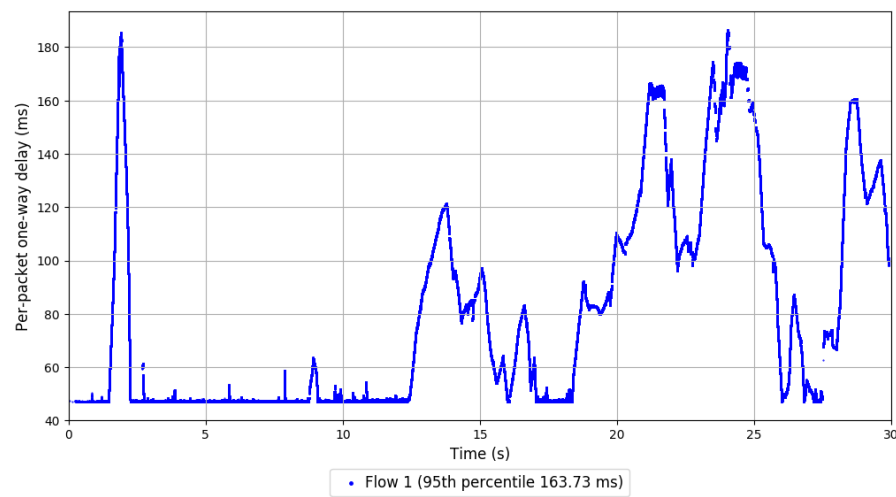
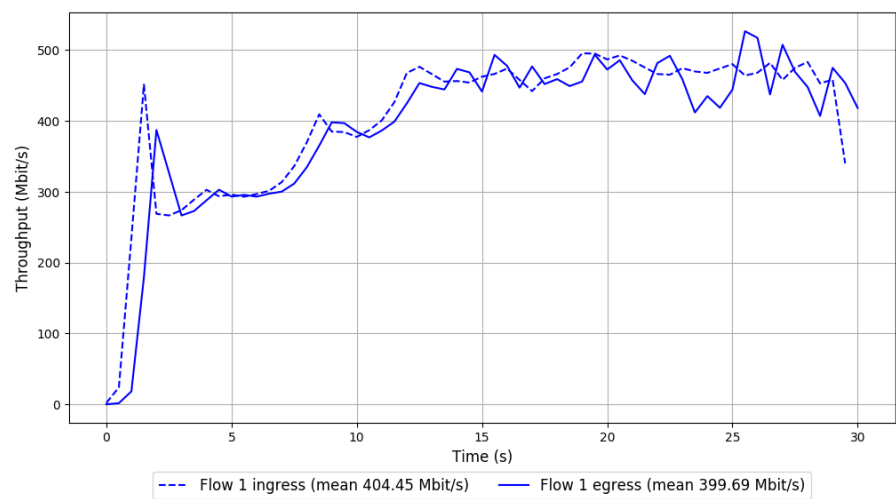
-- Flow 1:

Average throughput: 399.69 Mbit/s

95th percentile per-packet one-way delay: 163.730 ms

Loss rate: 1.17%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-03-09 17:53:48

End at: 2019-03-09 17:54:18

Local clock offset: -0.078 ms

Remote clock offset: -0.143 ms

Below is generated by plot.py at 2019-03-09 20:40:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 363.97 Mbit/s

95th percentile per-packet one-way delay: 82.023 ms

Loss rate: 0.41%

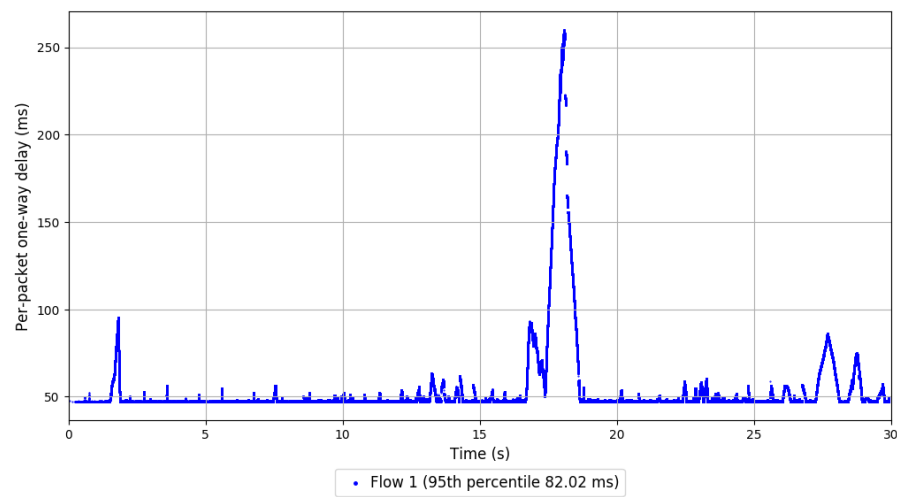
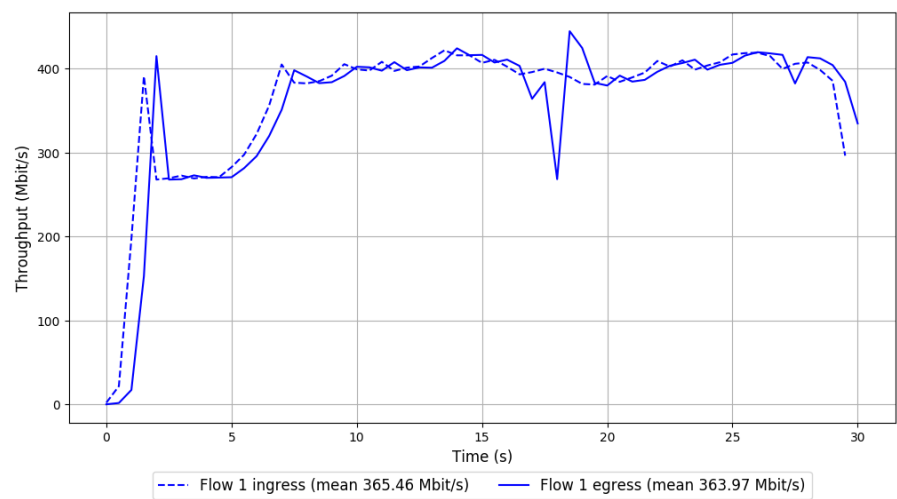
-- Flow 1:

Average throughput: 363.97 Mbit/s

95th percentile per-packet one-way delay: 82.023 ms

Loss rate: 0.41%

Run 3: Report of PCC-Allegro — Data Link

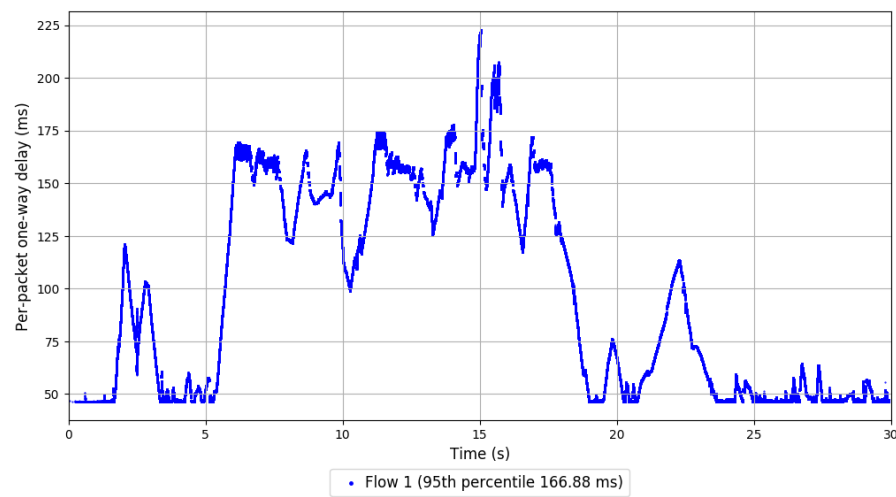
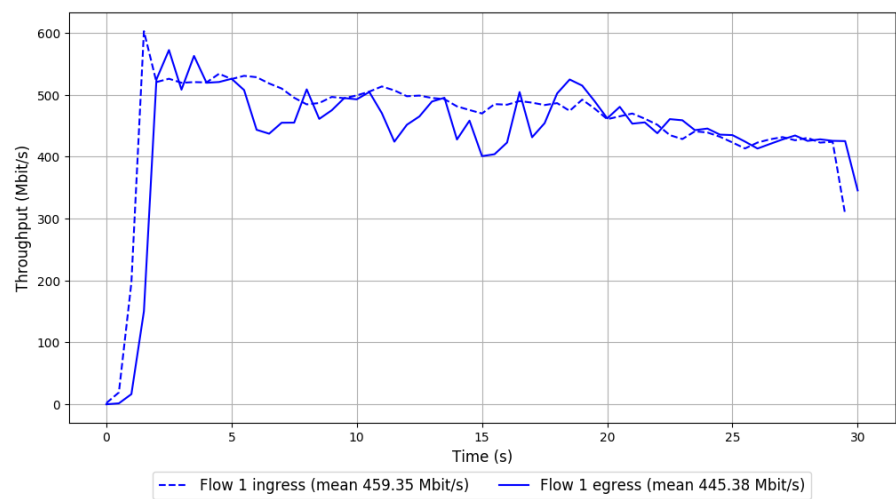


Run 4: Statistics of PCC-Allegro

Start at: 2019-03-09 18:24:21
End at: 2019-03-09 18:24:51
Local clock offset: -0.062 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2019-03-09 20:44:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 445.38 Mbit/s
95th percentile per-packet one-way delay: 166.884 ms
Loss rate: 3.04%
-- Flow 1:
Average throughput: 445.38 Mbit/s
95th percentile per-packet one-way delay: 166.884 ms
Loss rate: 3.04%

Run 4: Report of PCC-Allegro — Data Link

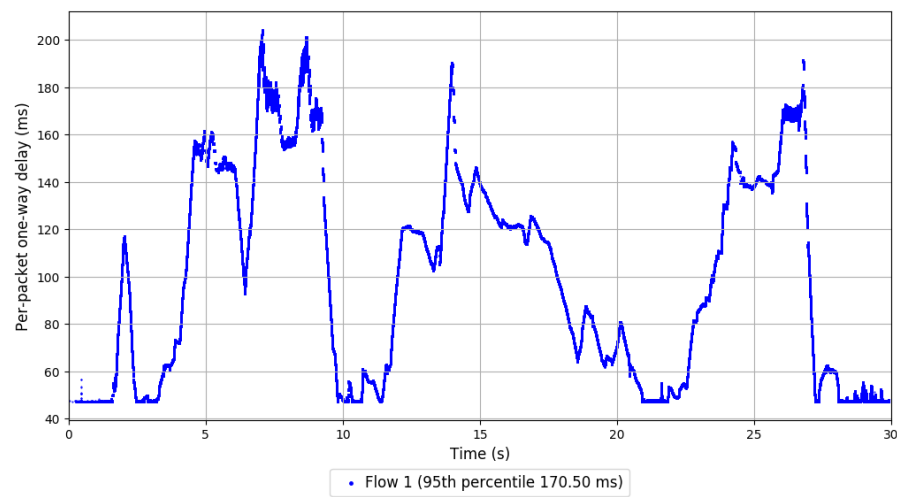
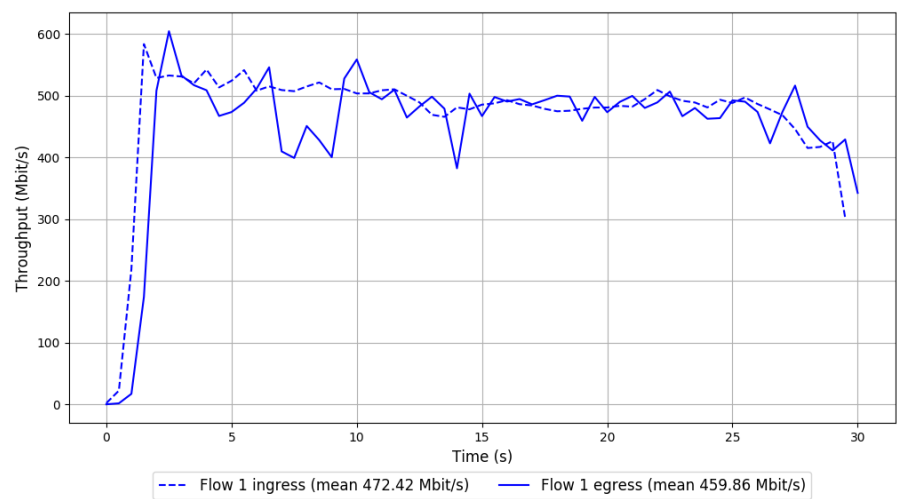


Run 5: Statistics of PCC-Allegro

Start at: 2019-03-09 18:54:53
End at: 2019-03-09 18:55:23
Local clock offset: -0.186 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2019-03-09 20:48:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 459.86 Mbit/s
95th percentile per-packet one-way delay: 170.505 ms
Loss rate: 2.66%
-- Flow 1:
Average throughput: 459.86 Mbit/s
95th percentile per-packet one-way delay: 170.505 ms
Loss rate: 2.66%

Run 5: Report of PCC-Allegro — Data Link

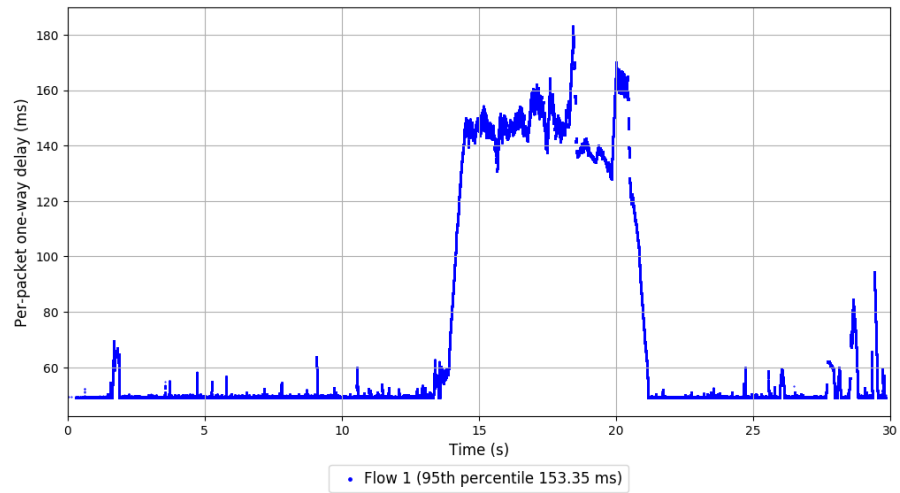
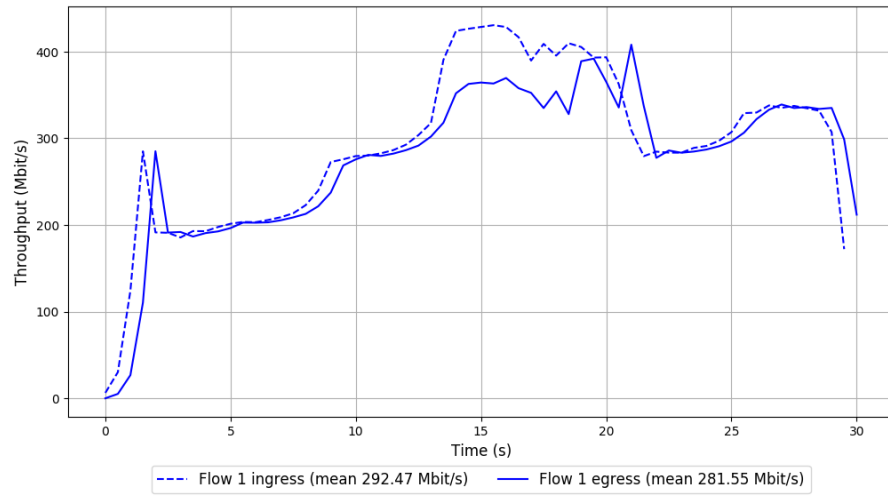


Run 1: Statistics of PCC-Expr

Start at: 2019-03-09 16:56:23
End at: 2019-03-09 16:56:53
Local clock offset: 0.307 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2019-03-09 20:48:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 281.55 Mbit/s
95th percentile per-packet one-way delay: 153.347 ms
Loss rate: 3.73%
-- Flow 1:
Average throughput: 281.55 Mbit/s
95th percentile per-packet one-way delay: 153.347 ms
Loss rate: 3.73%

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2019-03-09 17:27:17

End at: 2019-03-09 17:27:47

Local clock offset: -0.056 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2019-03-09 20:48:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 283.49 Mbit/s

95th percentile per-packet one-way delay: 87.678 ms

Loss rate: 0.00%

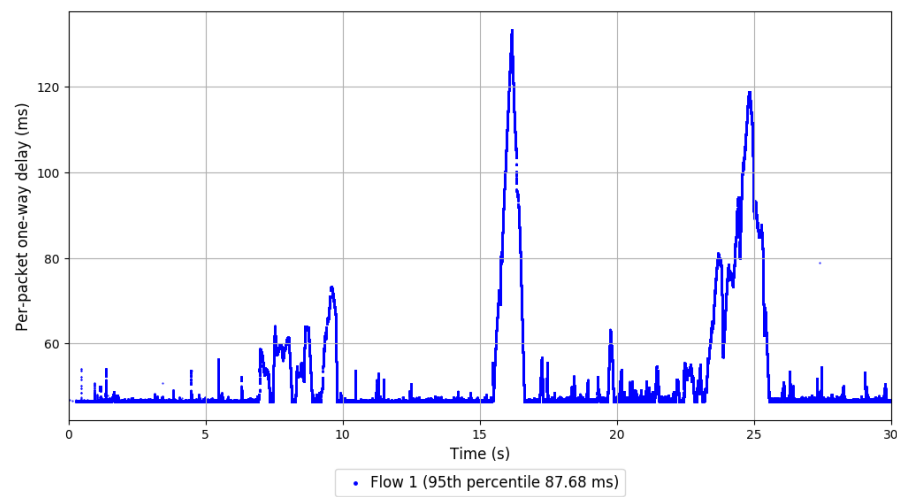
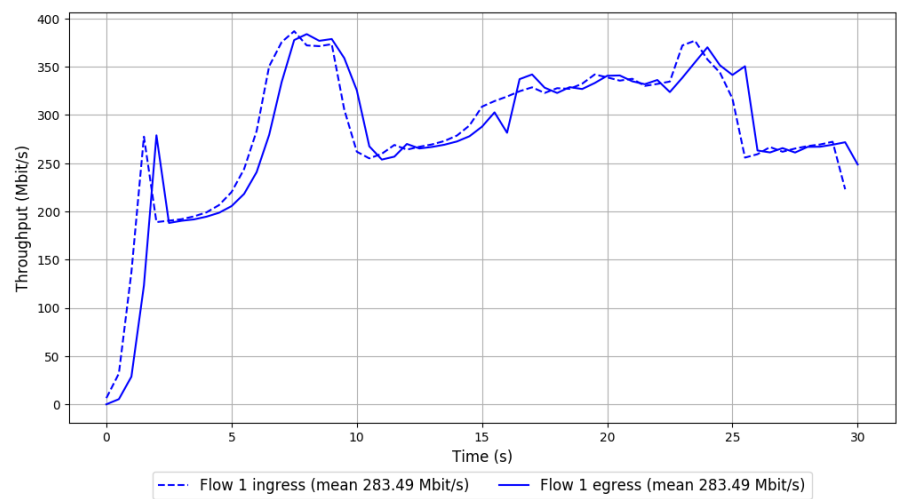
-- Flow 1:

Average throughput: 283.49 Mbit/s

95th percentile per-packet one-way delay: 87.678 ms

Loss rate: 0.00%

Run 2: Report of PCC-Expr — Data Link

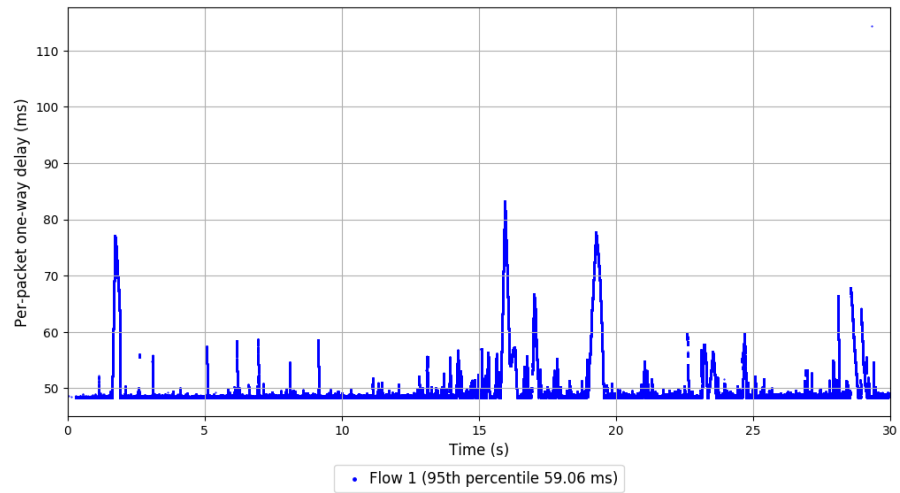
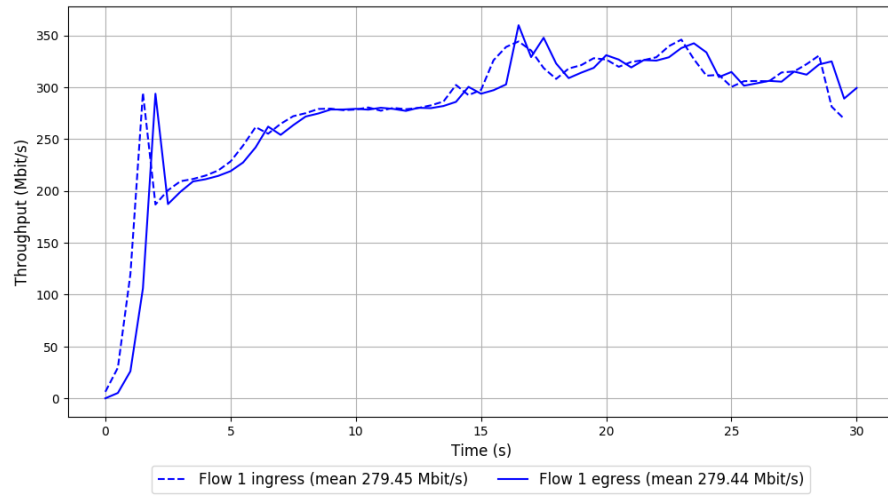


Run 3: Statistics of PCC-Expr

Start at: 2019-03-09 17:57:50
End at: 2019-03-09 17:58:20
Local clock offset: 0.271 ms
Remote clock offset: -0.143 ms

Below is generated by plot.py at 2019-03-09 20:48:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 279.44 Mbit/s
95th percentile per-packet one-way delay: 59.060 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 279.44 Mbit/s
95th percentile per-packet one-way delay: 59.060 ms
Loss rate: 0.01%

Run 3: Report of PCC-Expr — Data Link

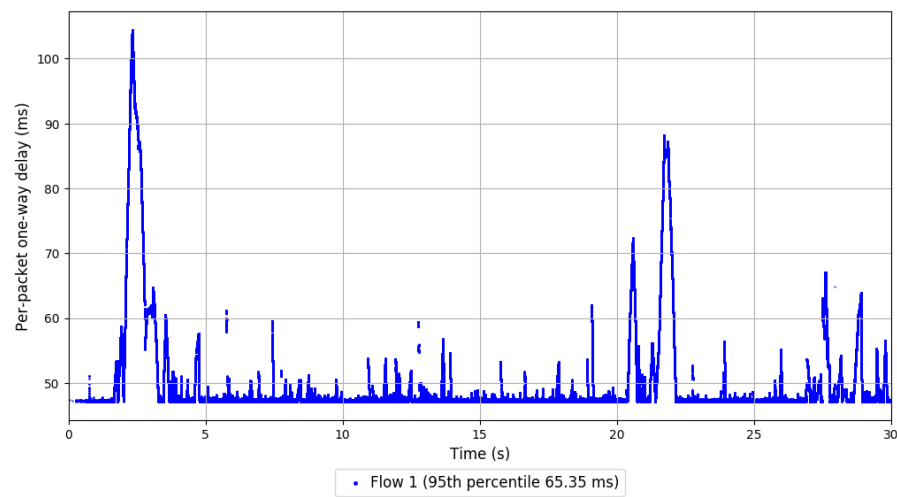
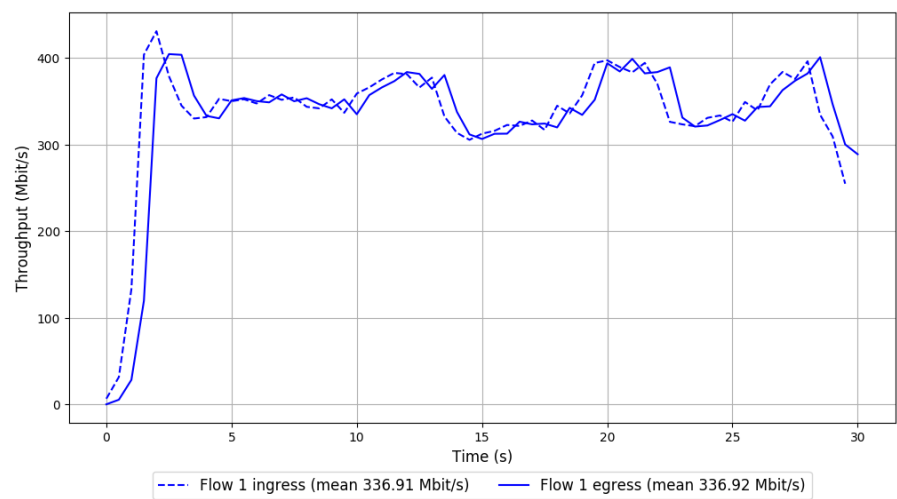


Run 4: Statistics of PCC-Expr

Start at: 2019-03-09 18:28:31
End at: 2019-03-09 18:29:01
Local clock offset: -0.094 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2019-03-09 20:52:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 336.92 Mbit/s
95th percentile per-packet one-way delay: 65.353 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 336.92 Mbit/s
95th percentile per-packet one-way delay: 65.353 ms
Loss rate: 0.00%

Run 4: Report of PCC-Expr — Data Link

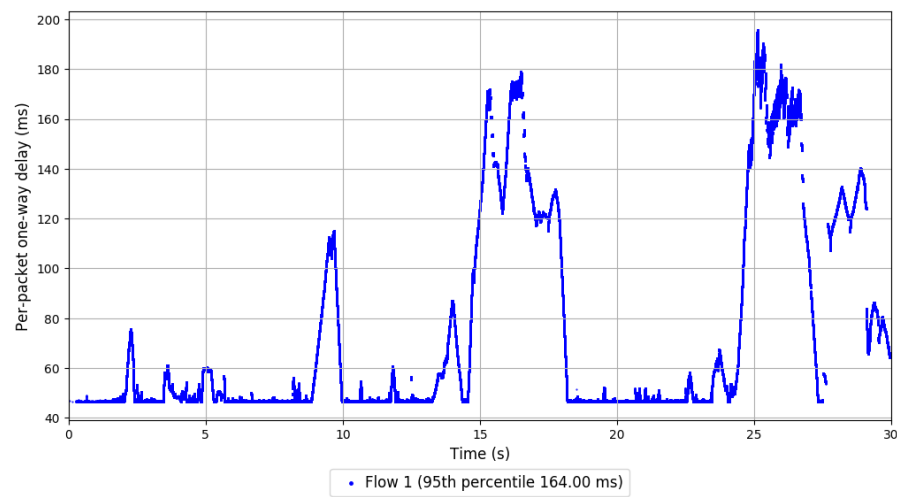
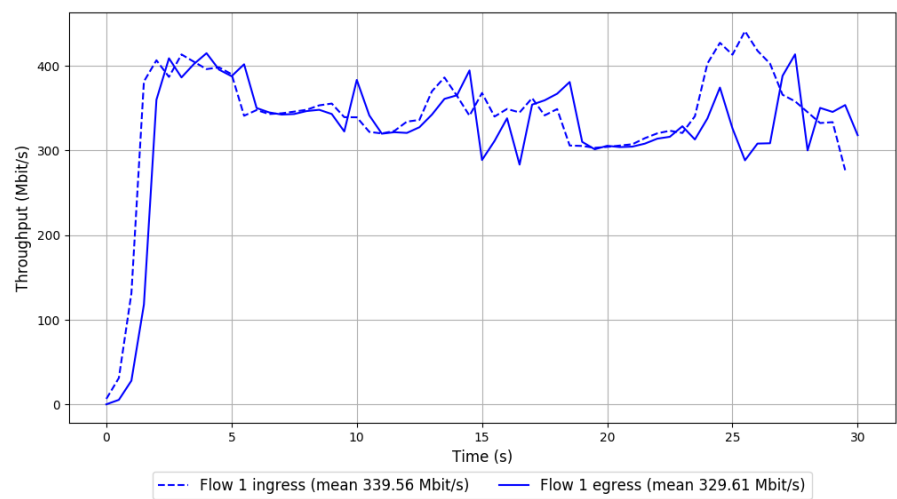


Run 5: Statistics of PCC-Expr

Start at: 2019-03-09 18:59:04
End at: 2019-03-09 18:59:34
Local clock offset: -0.178 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2019-03-09 20:52:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 329.61 Mbit/s
95th percentile per-packet one-way delay: 164.005 ms
Loss rate: 2.93%
-- Flow 1:
Average throughput: 329.61 Mbit/s
95th percentile per-packet one-way delay: 164.005 ms
Loss rate: 2.93%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

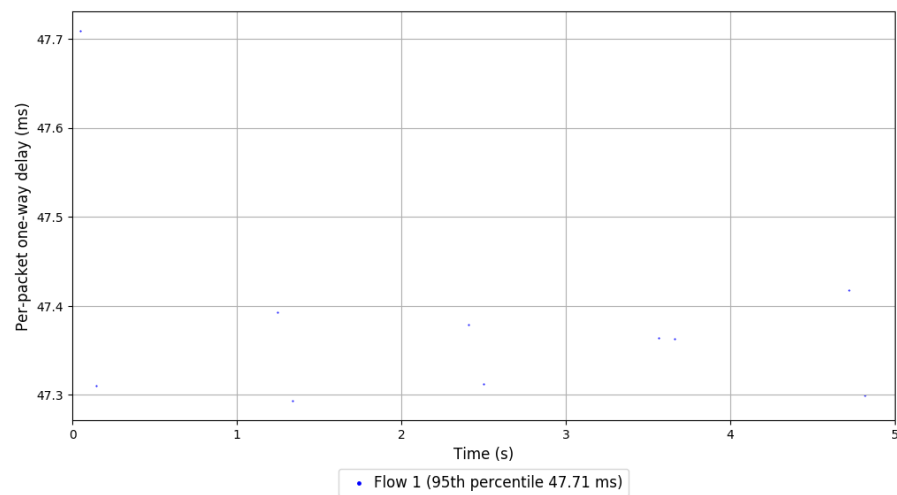
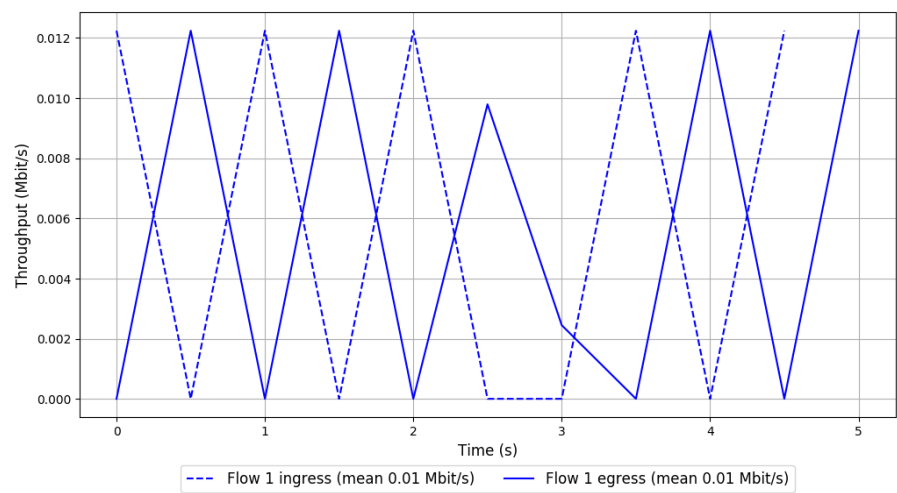
Start at: 2019-03-09 16:37:53

End at: 2019-03-09 16:38:23

Local clock offset: -0.084 ms

Remote clock offset: -0.091 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-03-09 17:08:53

End at: 2019-03-09 17:09:23

Local clock offset: -0.053 ms

Remote clock offset: -0.052 ms

Below is generated by plot.py at 2019-03-09 20:52:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.06 Mbit/s

95th percentile per-packet one-way delay: 48.801 ms

Loss rate: 0.00%

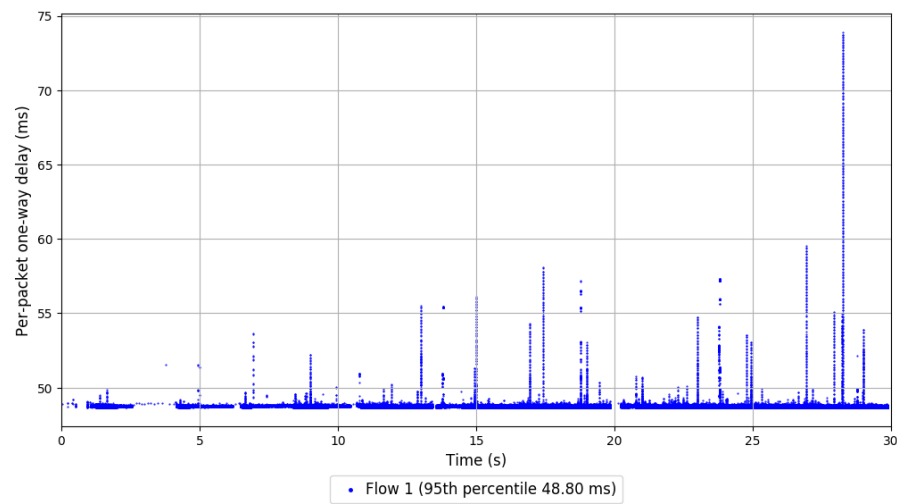
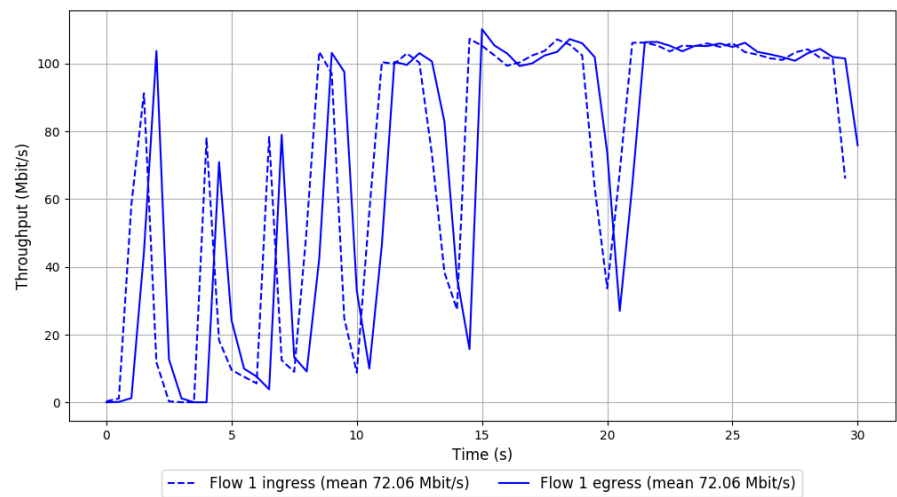
-- Flow 1:

Average throughput: 72.06 Mbit/s

95th percentile per-packet one-way delay: 48.801 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-03-09 17:39:27

End at: 2019-03-09 17:39:57

Local clock offset: 0.284 ms

Remote clock offset: -0.076 ms

Below is generated by plot.py at 2019-03-09 20:52:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.64 Mbit/s

95th percentile per-packet one-way delay: 46.885 ms

Loss rate: 0.00%

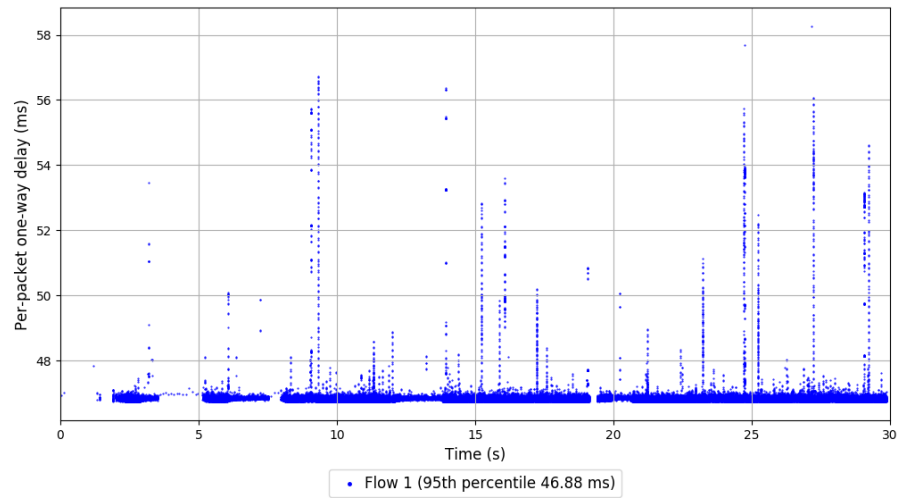
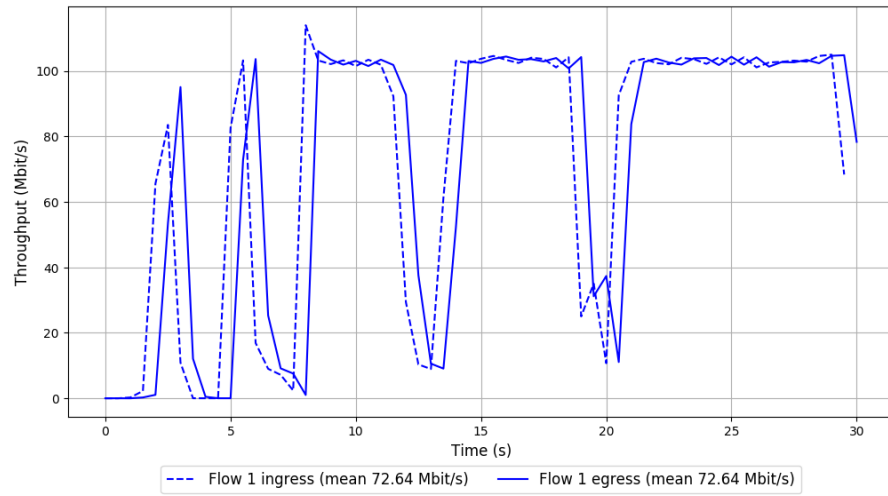
-- Flow 1:

Average throughput: 72.64 Mbit/s

95th percentile per-packet one-way delay: 46.885 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-03-09 18:10:00

End at: 2019-03-09 18:10:30

Local clock offset: -0.46 ms

Remote clock offset: -0.072 ms

Below is generated by plot.py at 2019-03-09 20:52:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.81 Mbit/s

95th percentile per-packet one-way delay: 47.648 ms

Loss rate: 0.00%

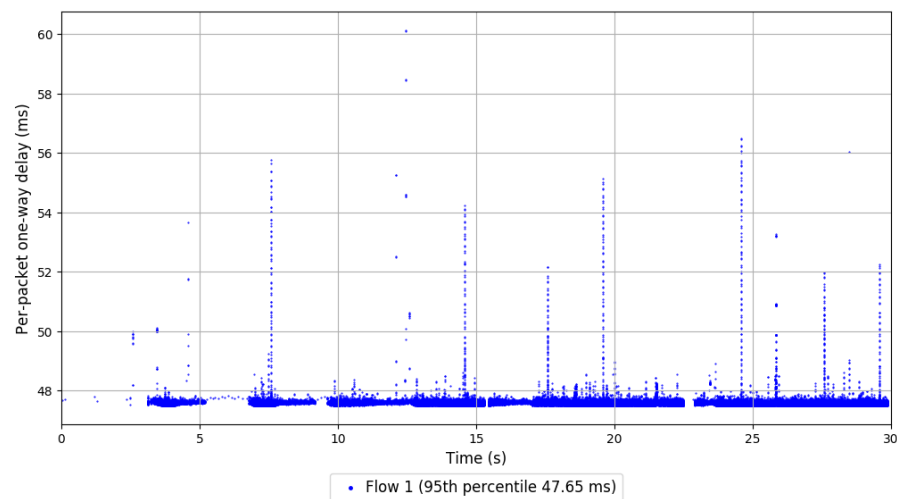
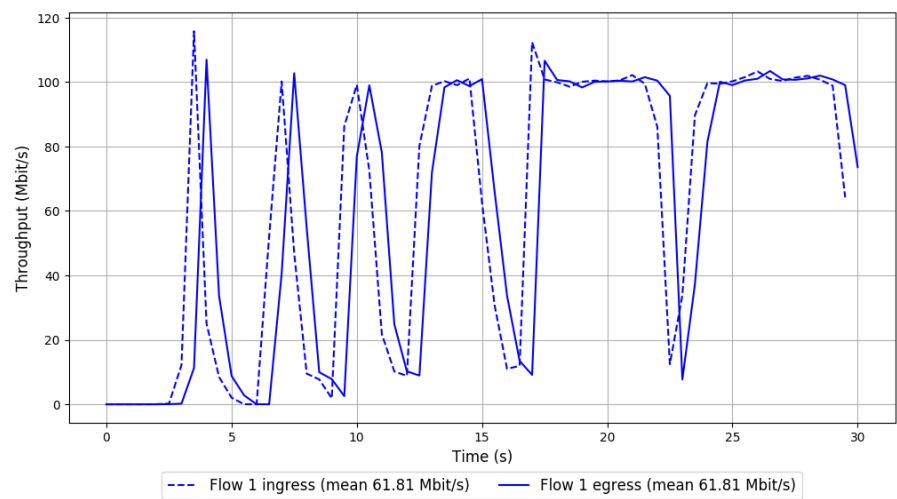
-- Flow 1:

Average throughput: 61.81 Mbit/s

95th percentile per-packet one-way delay: 47.648 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link

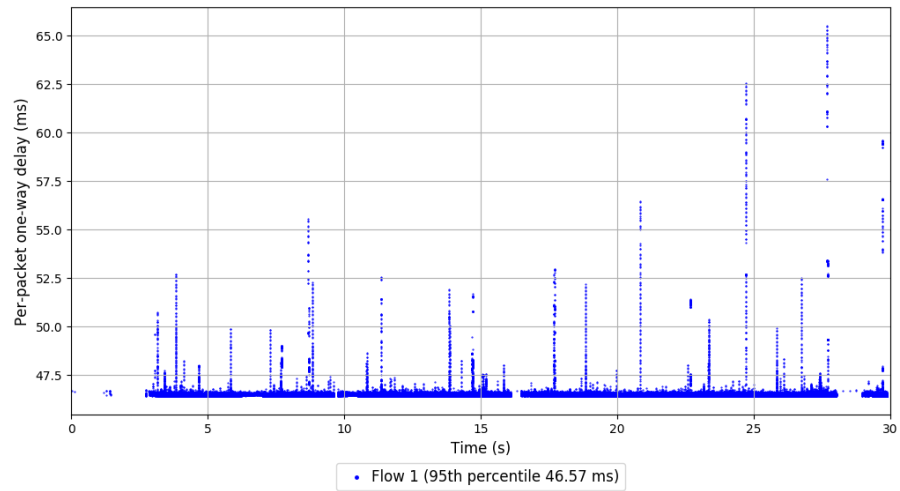
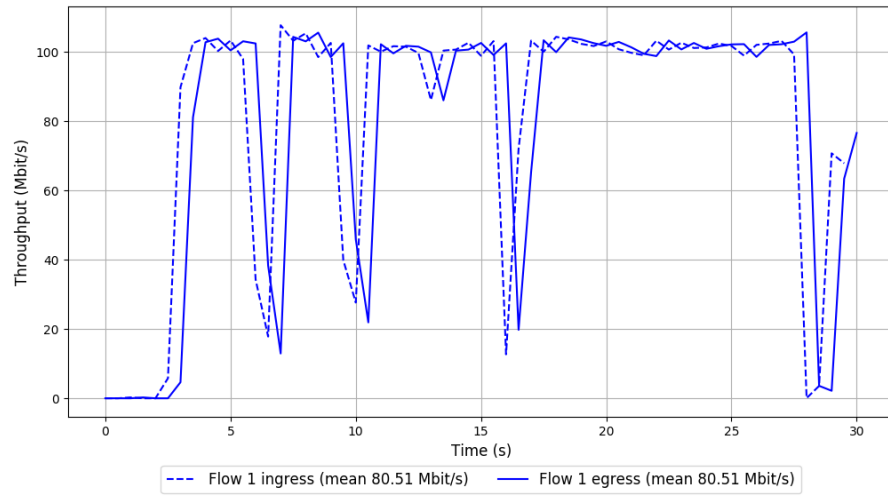


Run 5: Statistics of QUIC Cubic

Start at: 2019-03-09 18:40:39
End at: 2019-03-09 18:41:09
Local clock offset: -0.128 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2019-03-09 20:52:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.51 Mbit/s
95th percentile per-packet one-way delay: 46.569 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 80.51 Mbit/s
95th percentile per-packet one-way delay: 46.569 ms
Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

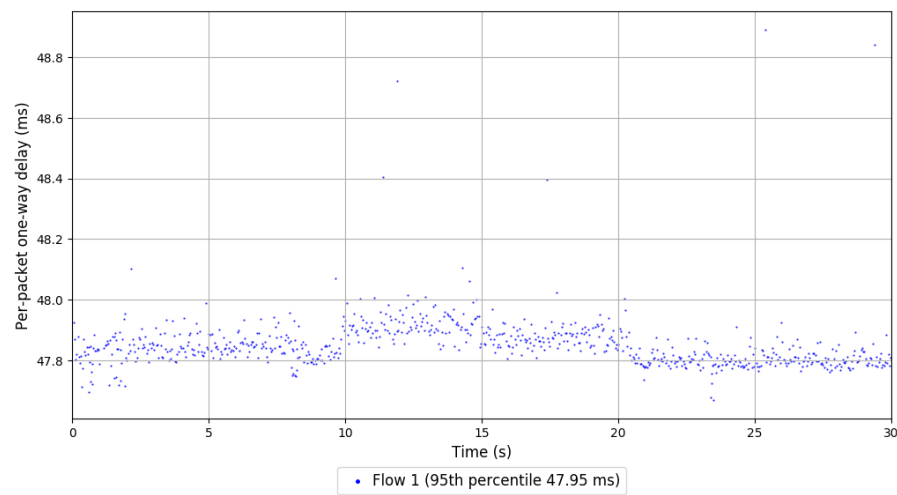
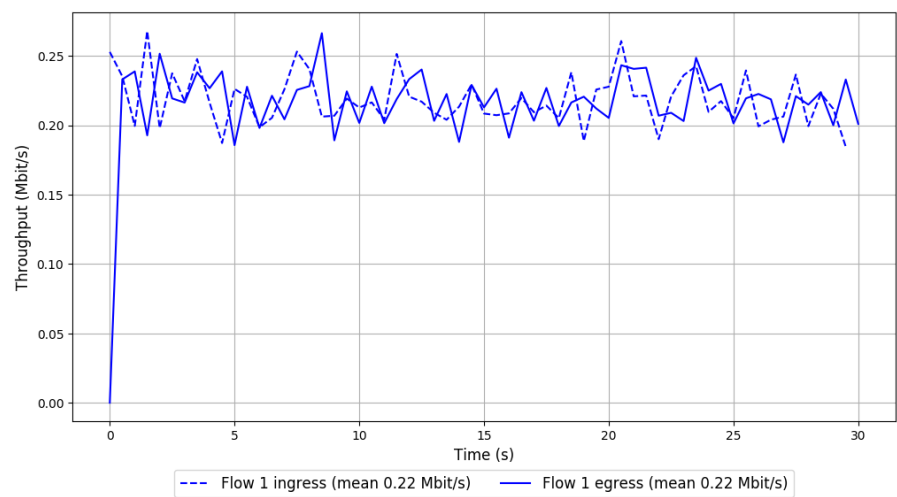


Run 1: Statistics of SCReAM

Start at: 2019-03-09 16:51:11
End at: 2019-03-09 16:51:41
Local clock offset: -0.432 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2019-03-09 20:52:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.950 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.950 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2019-03-09 17:21:56

End at: 2019-03-09 17:22:26

Local clock offset: -0.041 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2019-03-09 20:52:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 49.080 ms

Loss rate: 0.00%

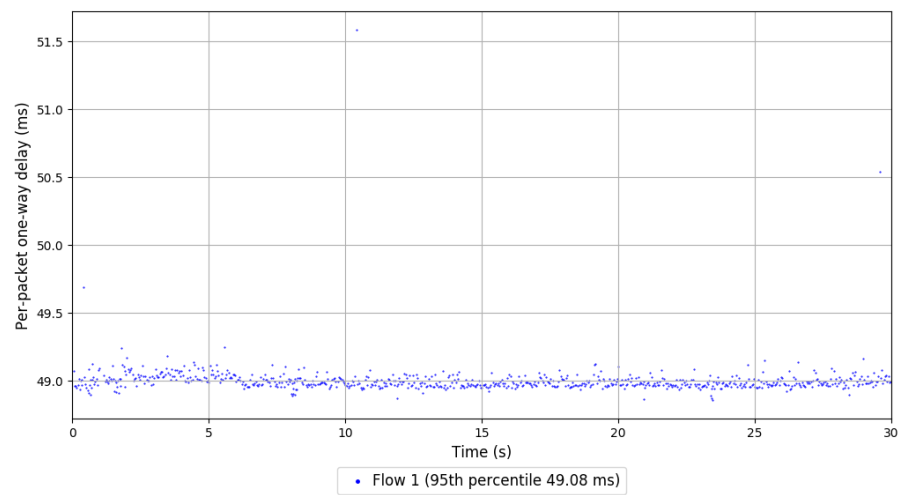
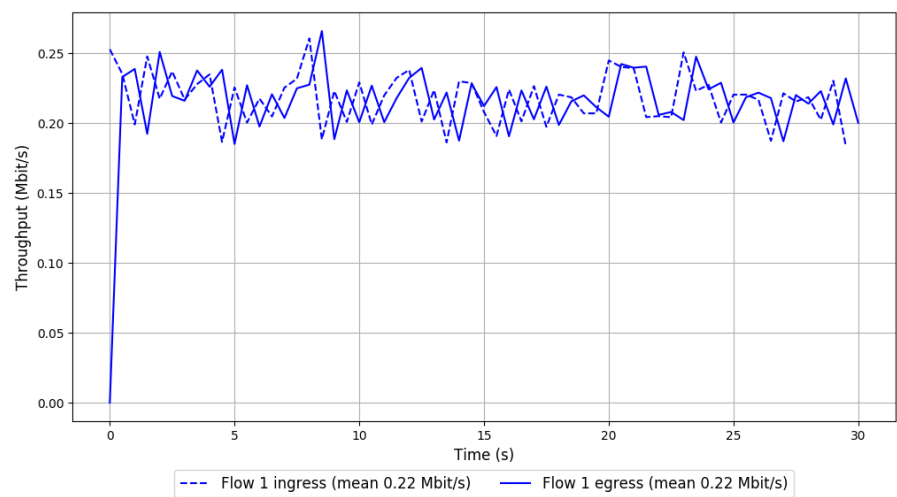
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 49.080 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

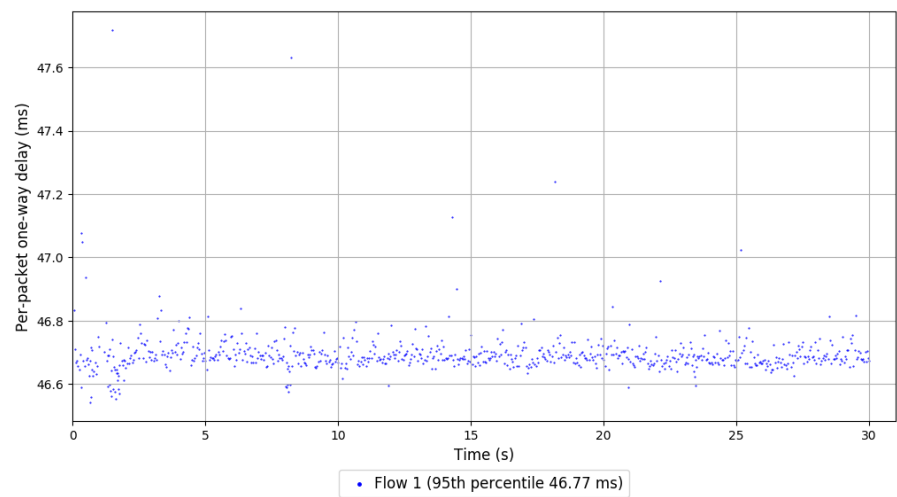
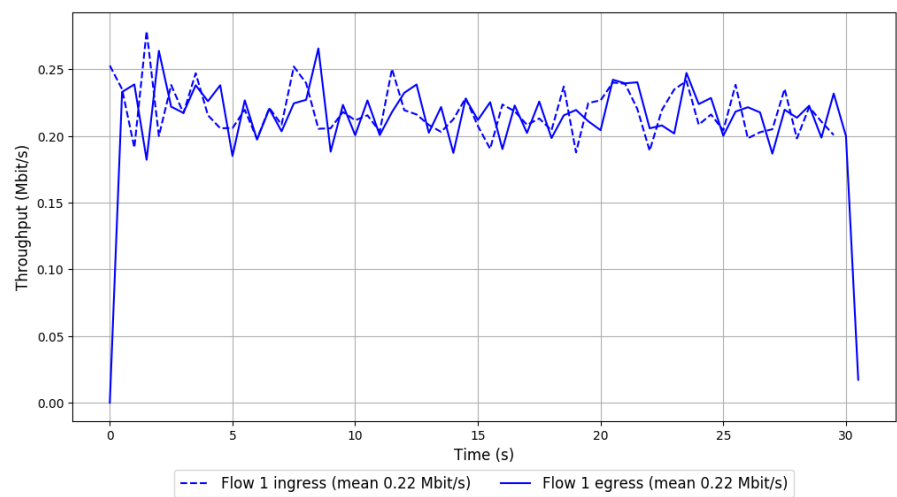


Run 3: Statistics of SCReAM

Start at: 2019-03-09 17:52:40
End at: 2019-03-09 17:53:10
Local clock offset: -0.106 ms
Remote clock offset: -0.128 ms

Below is generated by plot.py at 2019-03-09 20:52:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 46.768 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 46.768 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2019-03-09 18:23:14

End at: 2019-03-09 18:23:44

Local clock offset: -0.454 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2019-03-09 20:52:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 47.062 ms

Loss rate: 0.00%

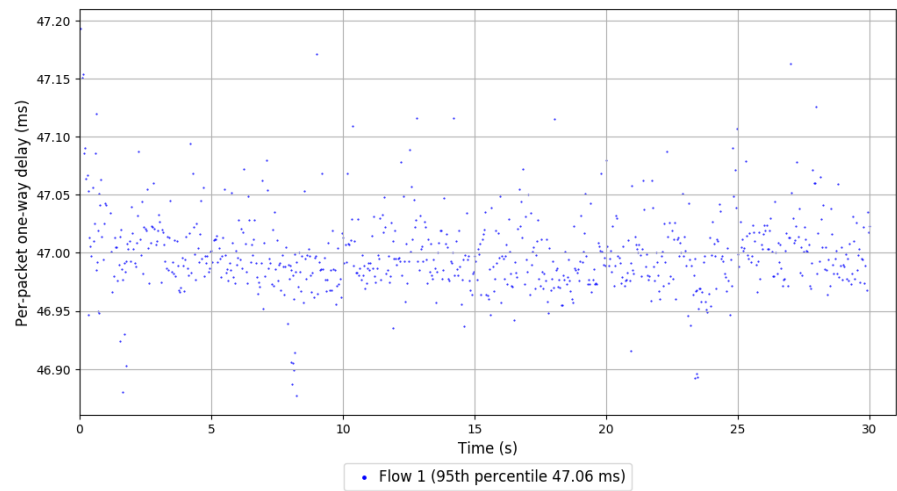
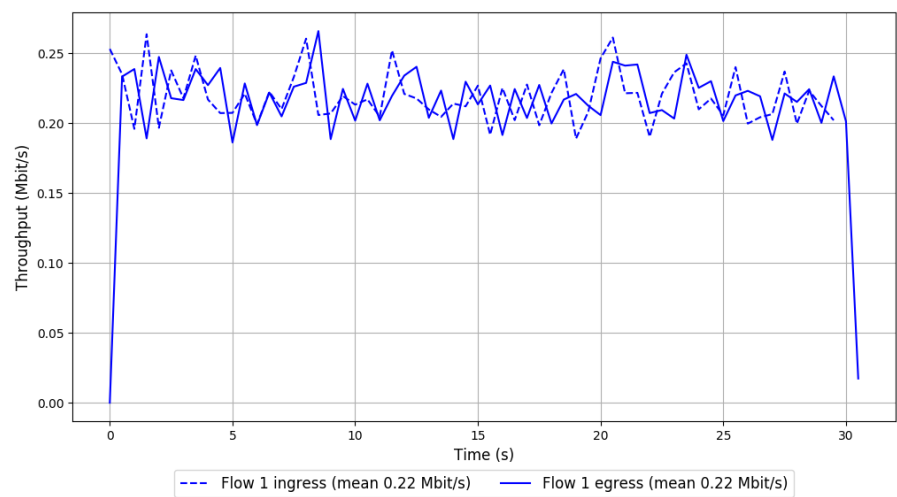
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 47.062 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

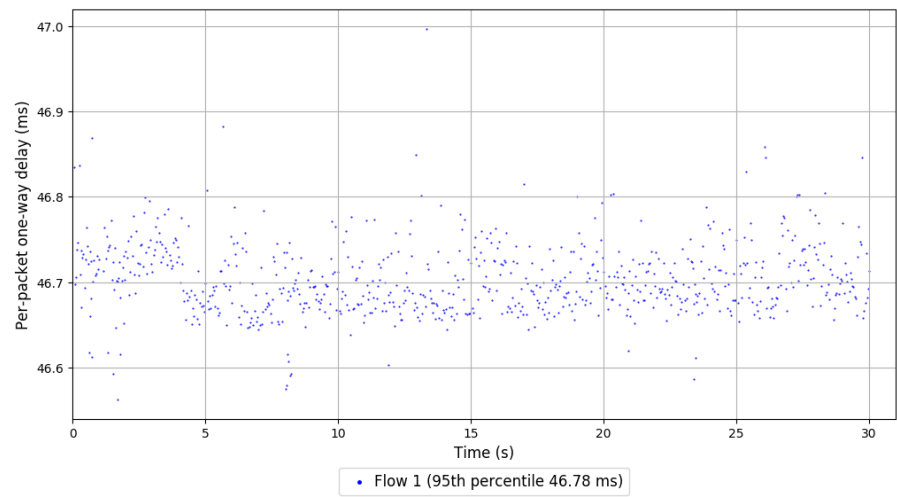
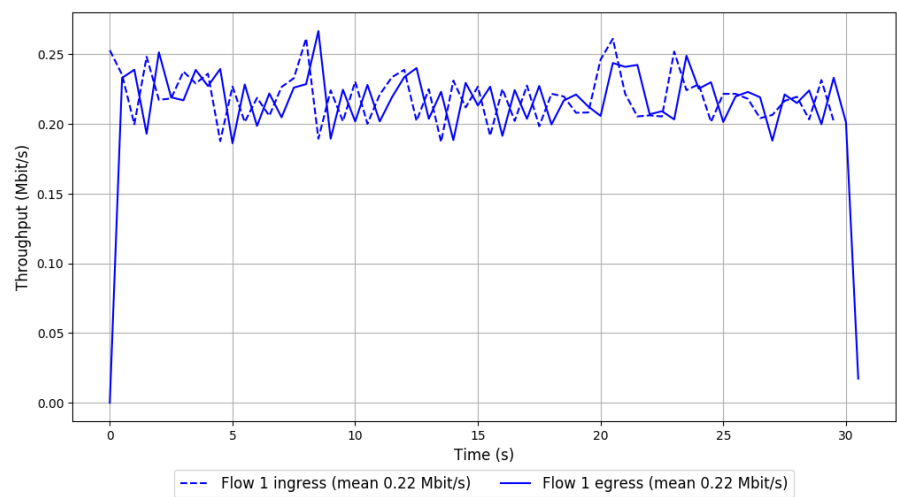


Run 5: Statistics of SCReAM

Start at: 2019-03-09 18:53:46
End at: 2019-03-09 18:54:16
Local clock offset: -0.151 ms
Remote clock offset: -0.128 ms

Below is generated by plot.py at 2019-03-09 20:52:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 46.776 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 46.776 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

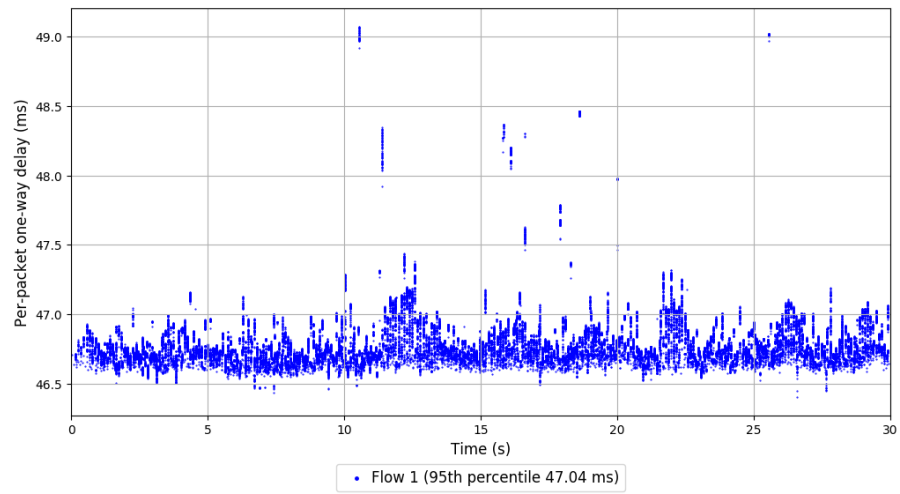
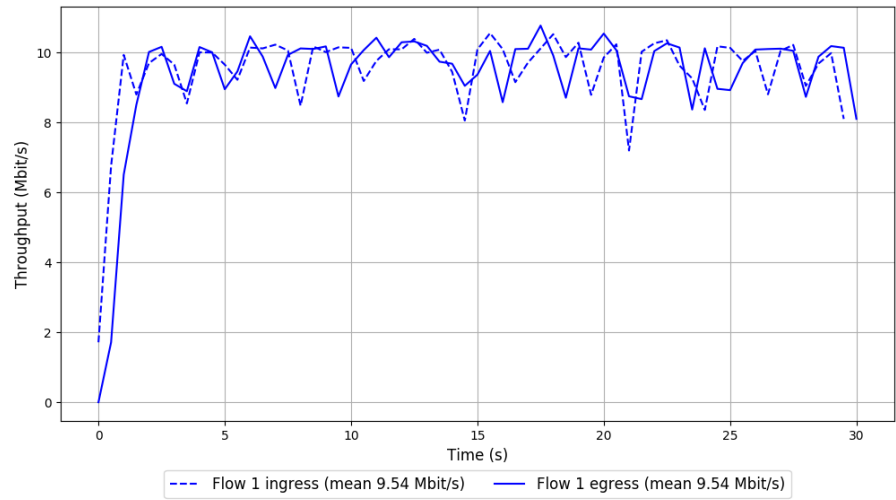


Run 1: Statistics of Sprout

Start at: 2019-03-09 16:53:52
End at: 2019-03-09 16:54:22
Local clock offset: 0.008 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2019-03-09 20:52:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.54 Mbit/s
95th percentile per-packet one-way delay: 47.041 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.54 Mbit/s
95th percentile per-packet one-way delay: 47.041 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

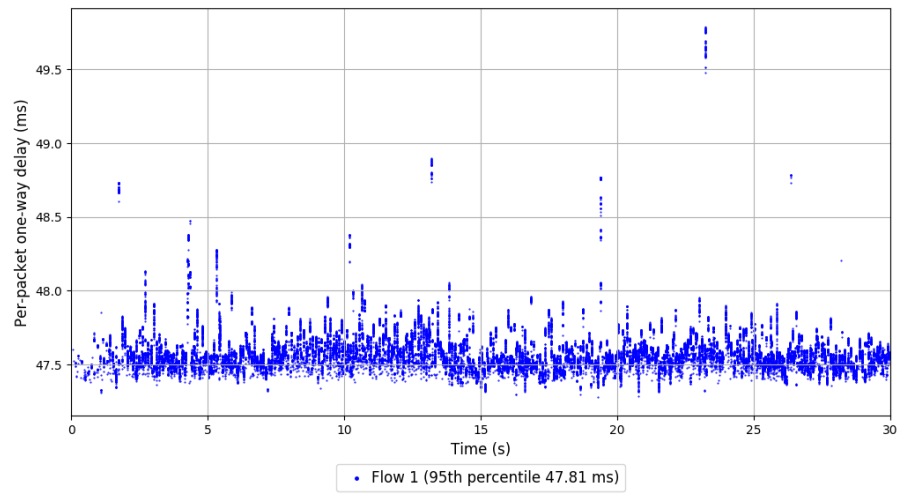
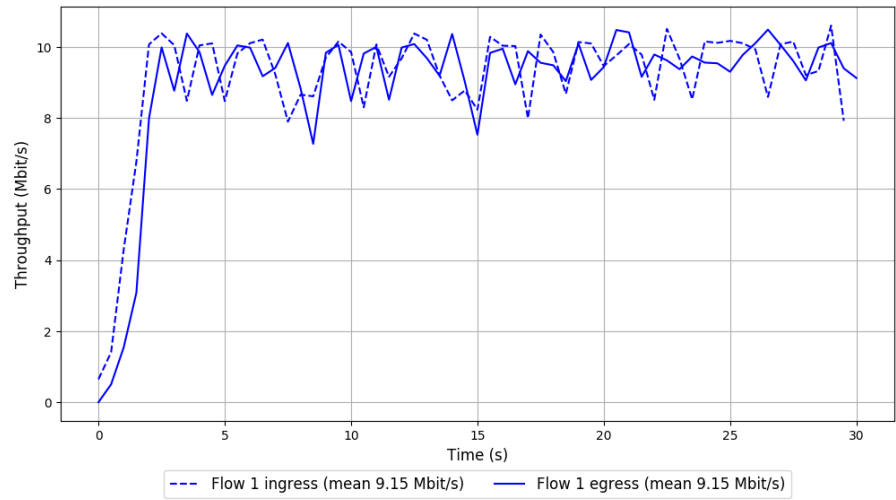


Run 2: Statistics of Sprout

Start at: 2019-03-09 17:24:43
End at: 2019-03-09 17:25:13
Local clock offset: -0.012 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2019-03-09 20:52:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.15 Mbit/s
95th percentile per-packet one-way delay: 47.812 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.15 Mbit/s
95th percentile per-packet one-way delay: 47.812 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

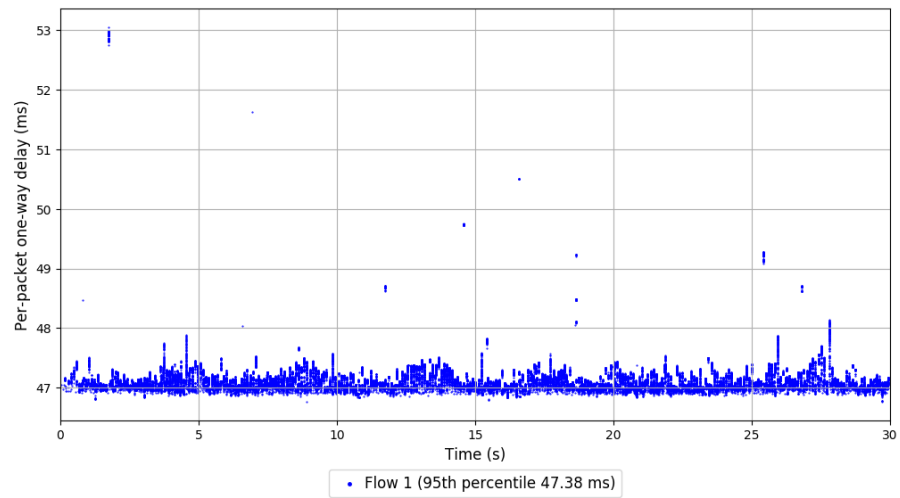
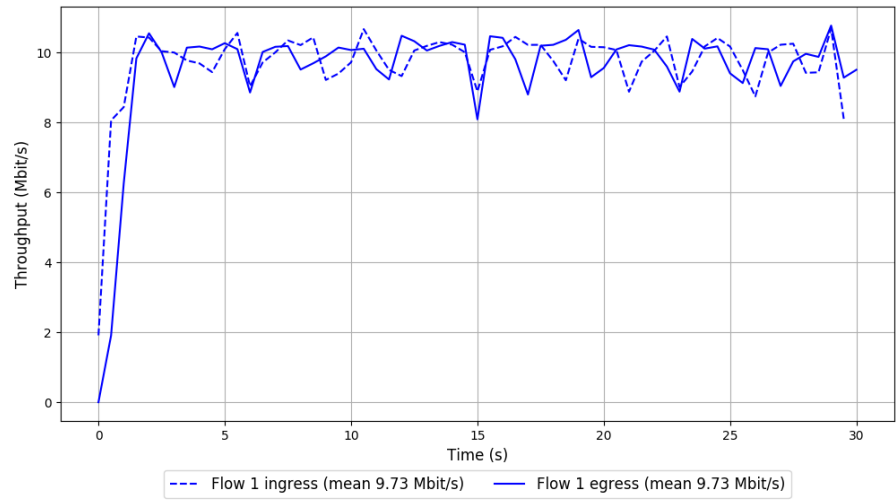


Run 3: Statistics of Sprout

Start at: 2019-03-09 17:55:18
End at: 2019-03-09 17:55:48
Local clock offset: -0.411 ms
Remote clock offset: -0.112 ms

Below is generated by plot.py at 2019-03-09 20:52:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.73 Mbit/s
95th percentile per-packet one-way delay: 47.380 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.73 Mbit/s
95th percentile per-packet one-way delay: 47.380 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

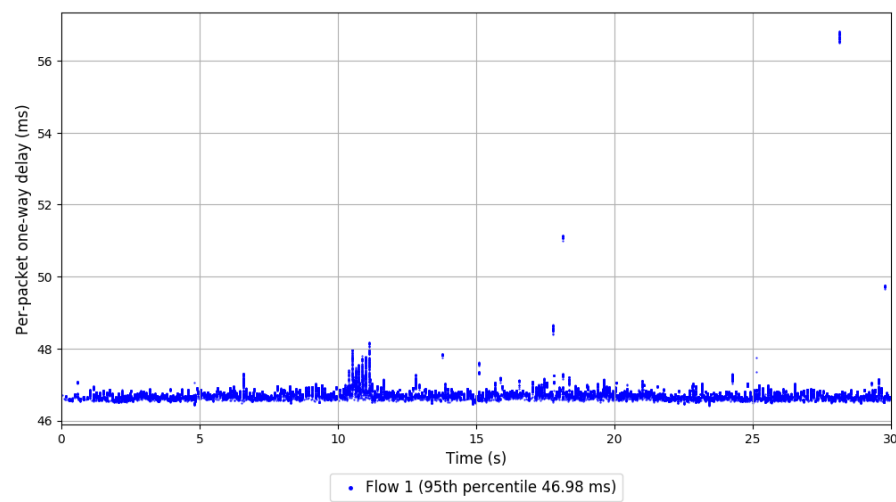
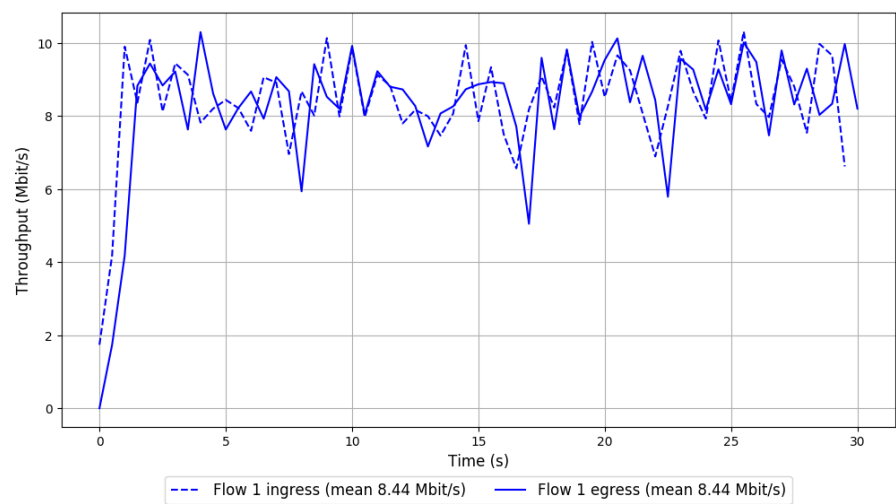


Run 4: Statistics of Sprout

Start at: 2019-03-09 18:25:58
End at: 2019-03-09 18:26:28
Local clock offset: -0.083 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2019-03-09 20:52:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 8.44 Mbit/s
95th percentile per-packet one-way delay: 46.979 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 8.44 Mbit/s
95th percentile per-packet one-way delay: 46.979 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

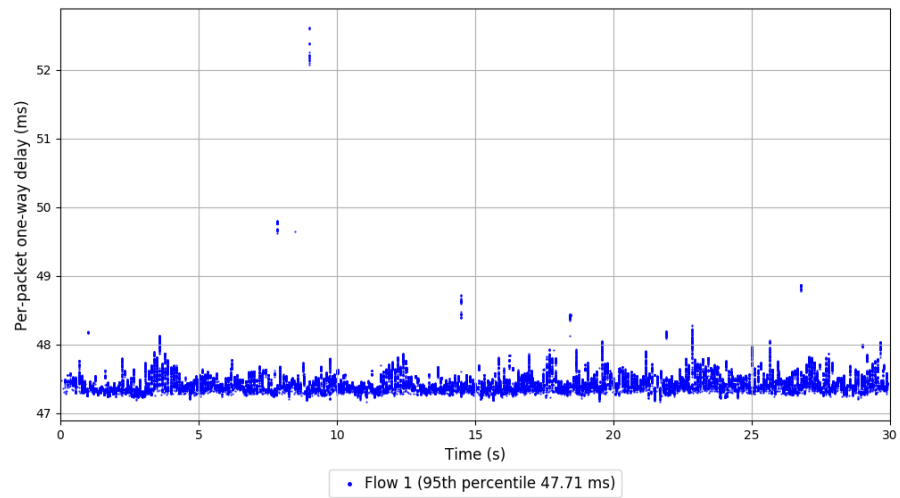
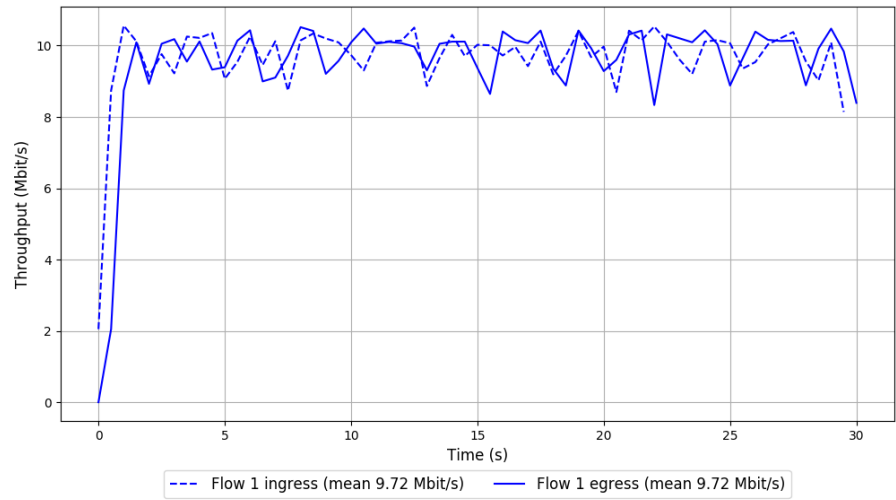


Run 5: Statistics of Sprout

Start at: 2019-03-09 18:56:34
End at: 2019-03-09 18:57:04
Local clock offset: -0.112 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2019-03-09 20:52:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.72 Mbit/s
95th percentile per-packet one-way delay: 47.706 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.72 Mbit/s
95th percentile per-packet one-way delay: 47.706 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

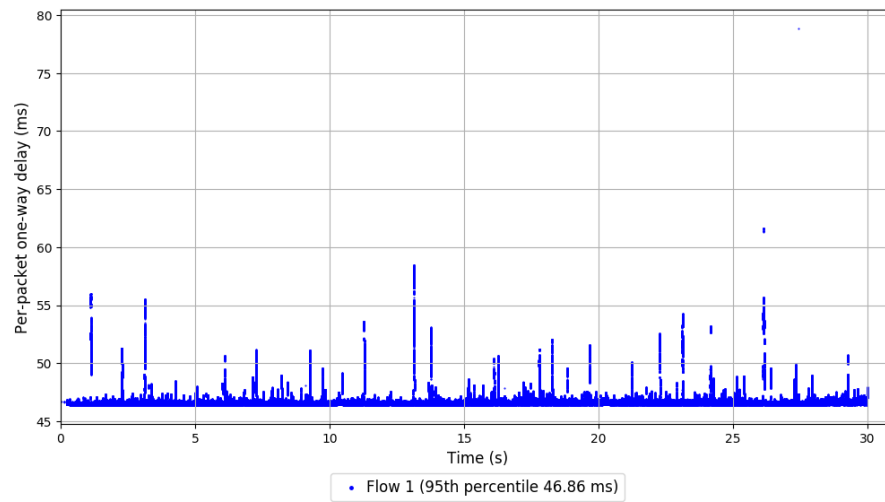
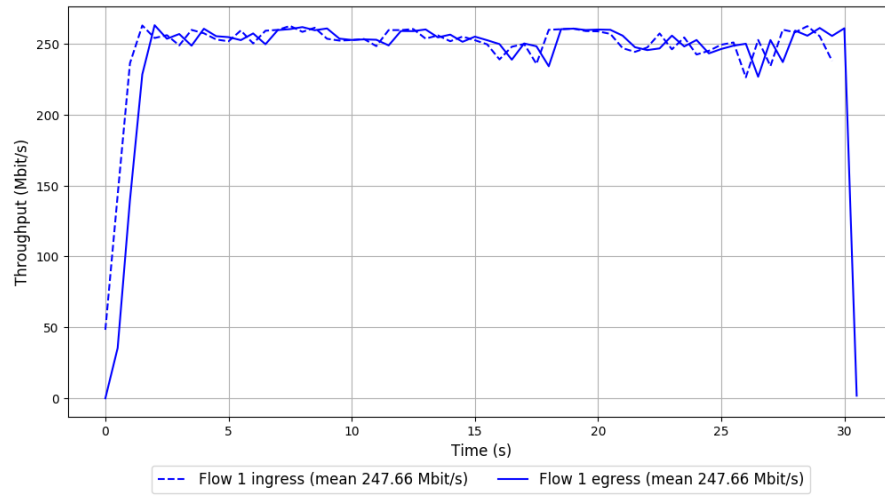


Run 1: Statistics of TaoVA-100x

Start at: 2019-03-09 16:40:30
End at: 2019-03-09 16:41:00
Local clock offset: -0.033 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2019-03-09 20:52:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 247.66 Mbit/s
95th percentile per-packet one-way delay: 46.863 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 247.66 Mbit/s
95th percentile per-packet one-way delay: 46.863 ms
Loss rate: 0.00%

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



Run 2: Statistics of TaoVA-100x

Start at: 2019-03-09 17:11:26

End at: 2019-03-09 17:11:56

Local clock offset: -0.027 ms

Remote clock offset: -0.0 ms

Below is generated by plot.py at 2019-03-09 20:53:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 245.63 Mbit/s

95th percentile per-packet one-way delay: 47.651 ms

Loss rate: 0.00%

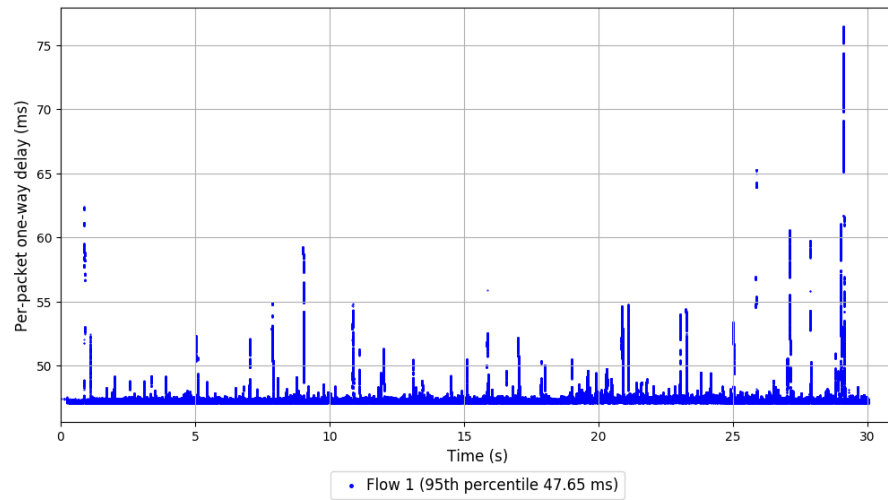
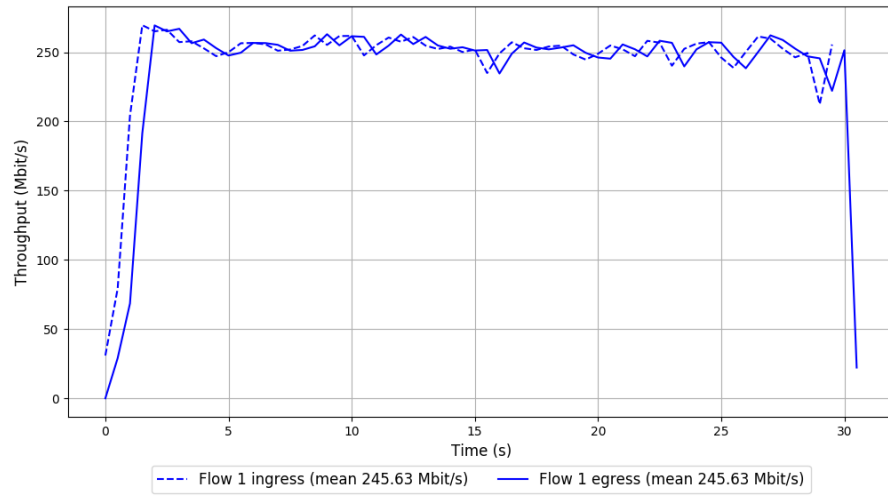
-- Flow 1:

Average throughput: 245.63 Mbit/s

95th percentile per-packet one-way delay: 47.651 ms

Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-03-09 17:42:15

End at: 2019-03-09 17:42:45

Local clock offset: -0.431 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2019-03-09 20:53:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 244.91 Mbit/s

95th percentile per-packet one-way delay: 47.142 ms

Loss rate: 0.00%

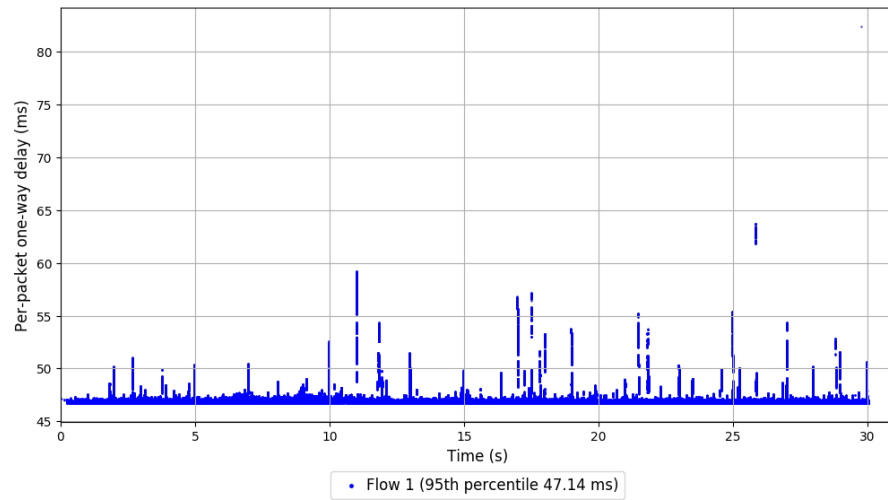
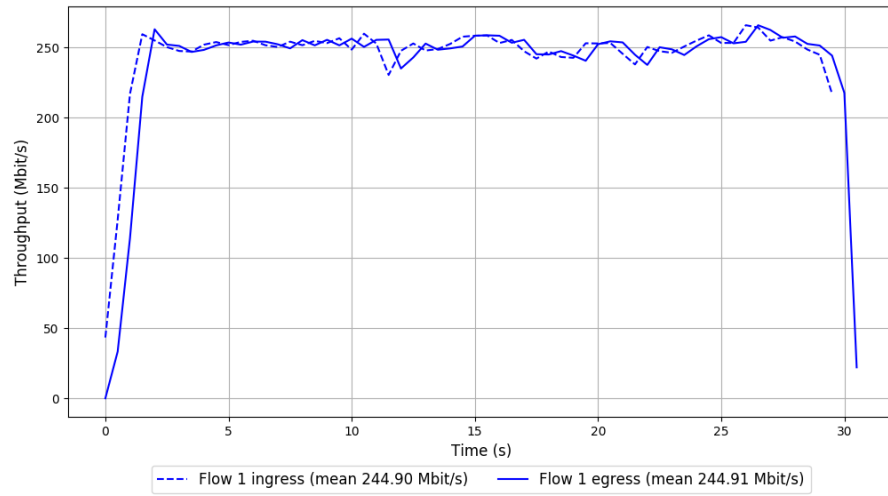
-- Flow 1:

Average throughput: 244.91 Mbit/s

95th percentile per-packet one-way delay: 47.142 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-03-09 18:12:45

End at: 2019-03-09 18:13:16

Local clock offset: -0.071 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2019-03-09 20:53:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 242.38 Mbit/s

95th percentile per-packet one-way delay: 46.836 ms

Loss rate: 0.00%

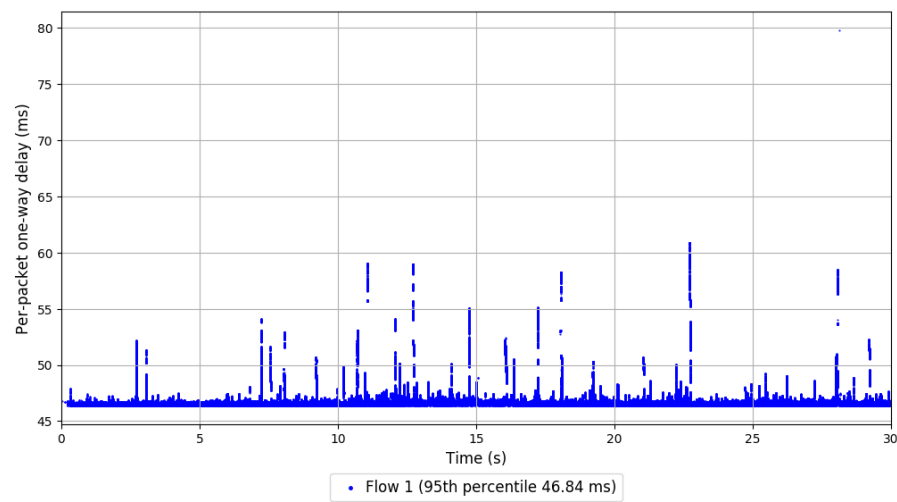
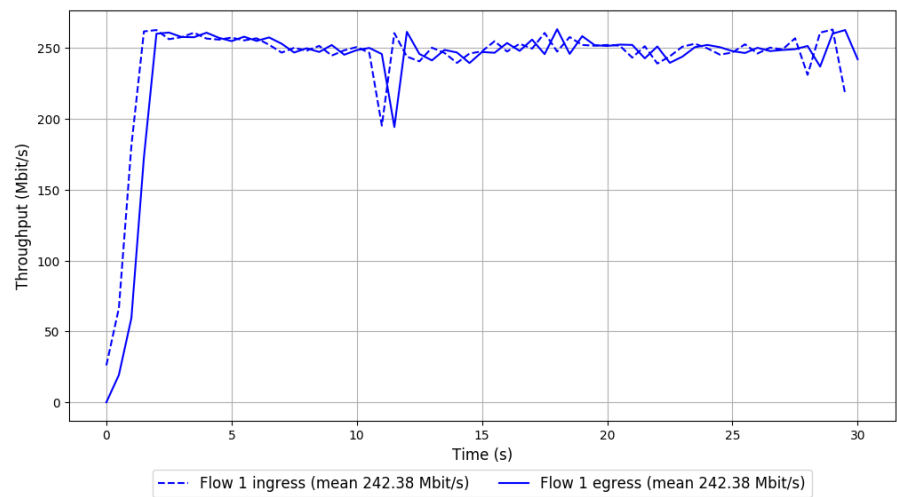
-- Flow 1:

Average throughput: 242.38 Mbit/s

95th percentile per-packet one-way delay: 46.836 ms

Loss rate: 0.00%

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

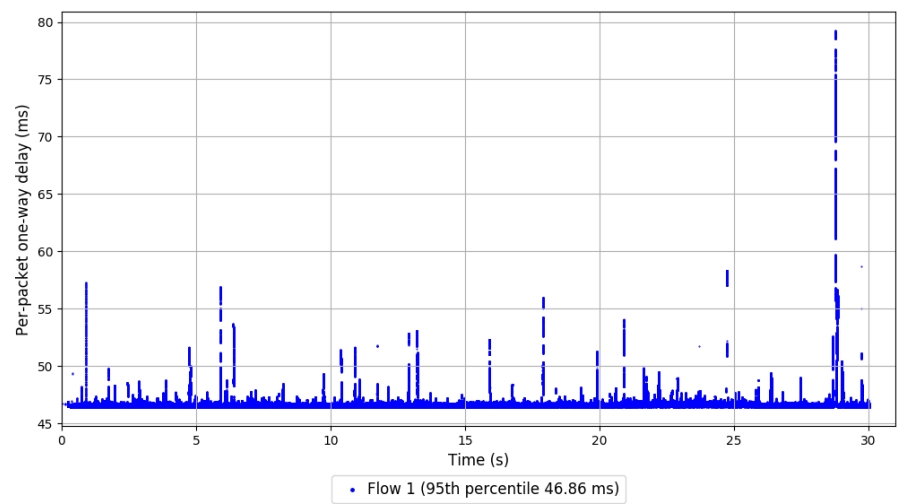
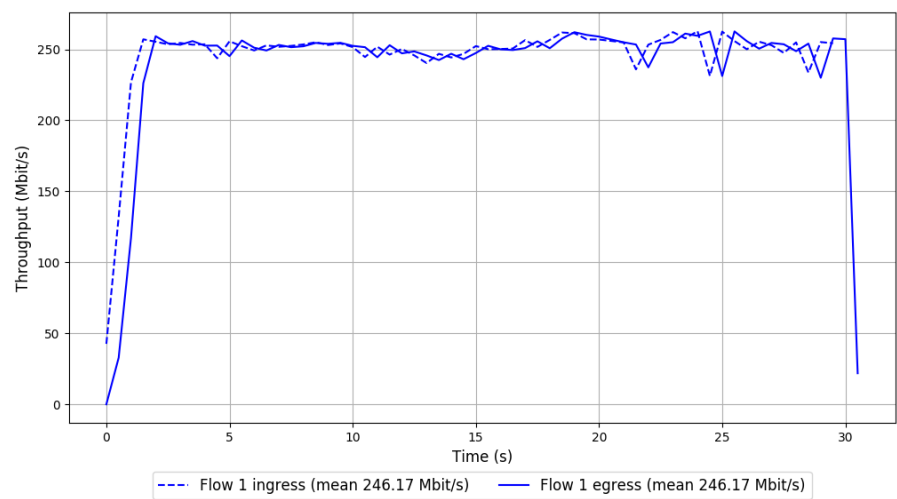


Run 5: Statistics of TaoVA-100x

Start at: 2019-03-09 18:43:12
End at: 2019-03-09 18:43:42
Local clock offset: -0.138 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2019-03-09 20:53:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 246.17 Mbit/s
95th percentile per-packet one-way delay: 46.860 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 246.17 Mbit/s
95th percentile per-packet one-way delay: 46.860 ms
Loss rate: 0.00%

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



Run 1: Statistics of TCP Vegas

Start at: 2019-03-09 16:39:01

End at: 2019-03-09 16:39:31

Local clock offset: -0.052 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2019-03-09 20:58:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 469.48 Mbit/s

95th percentile per-packet one-way delay: 57.789 ms

Loss rate: 0.00%

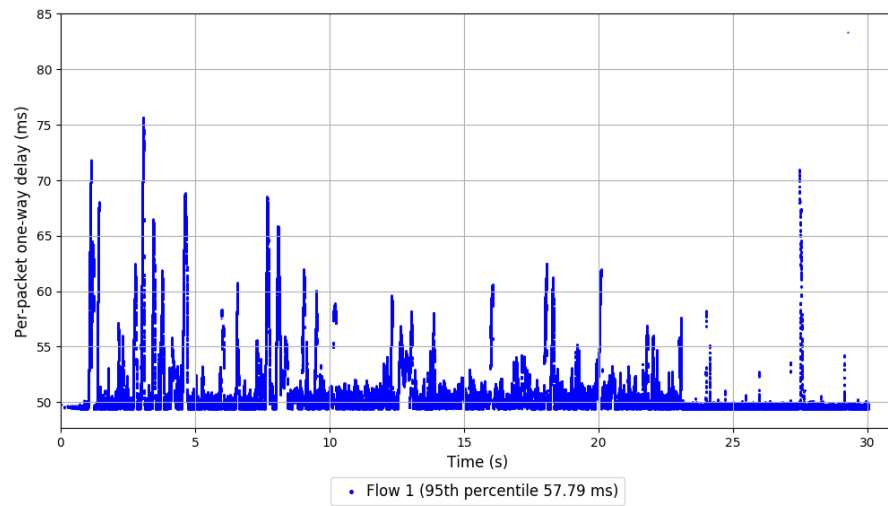
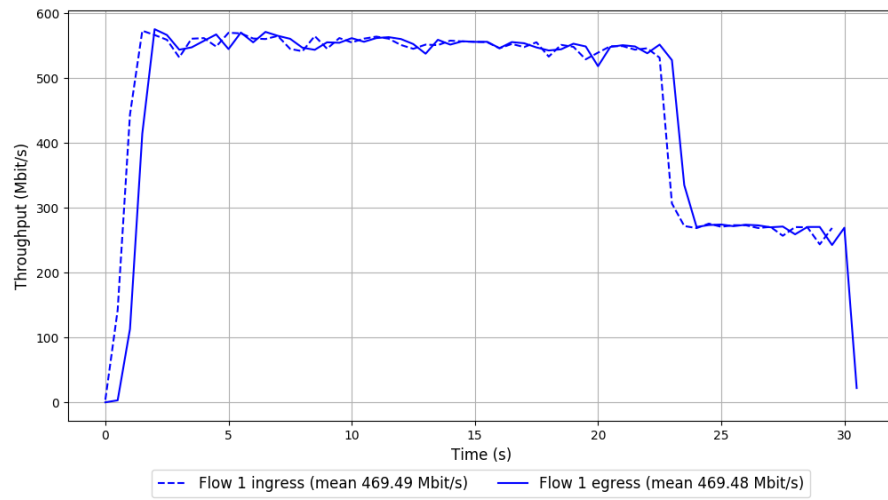
-- Flow 1:

Average throughput: 469.48 Mbit/s

95th percentile per-packet one-way delay: 57.789 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

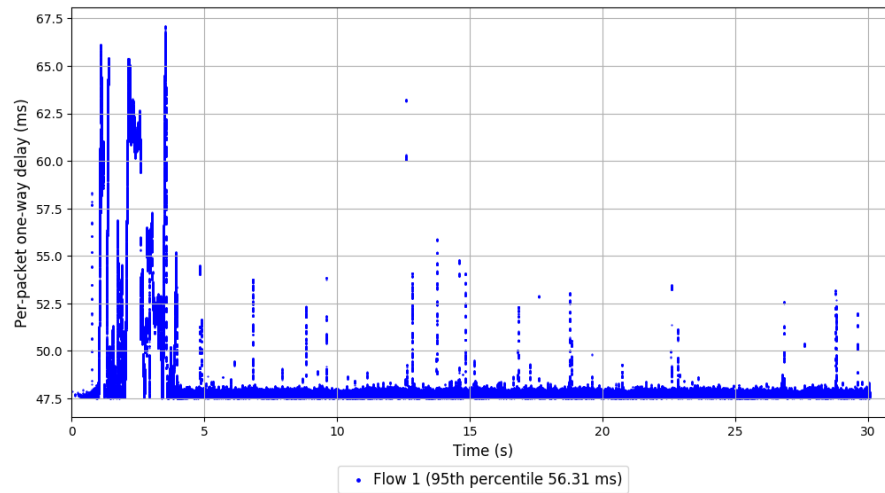
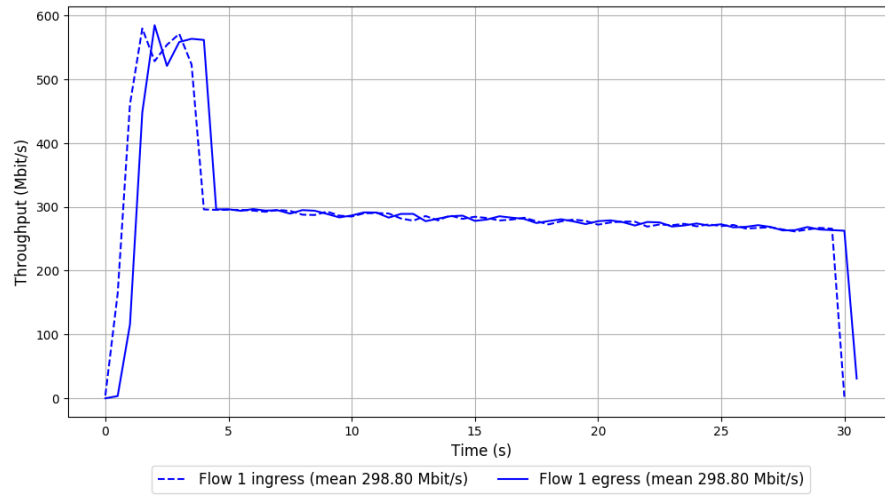


Run 2: Statistics of TCP Vegas

Start at: 2019-03-09 17:10:04
End at: 2019-03-09 17:10:34
Local clock offset: -0.419 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2019-03-09 20:58:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 298.80 Mbit/s
95th percentile per-packet one-way delay: 56.312 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 298.80 Mbit/s
95th percentile per-packet one-way delay: 56.312 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

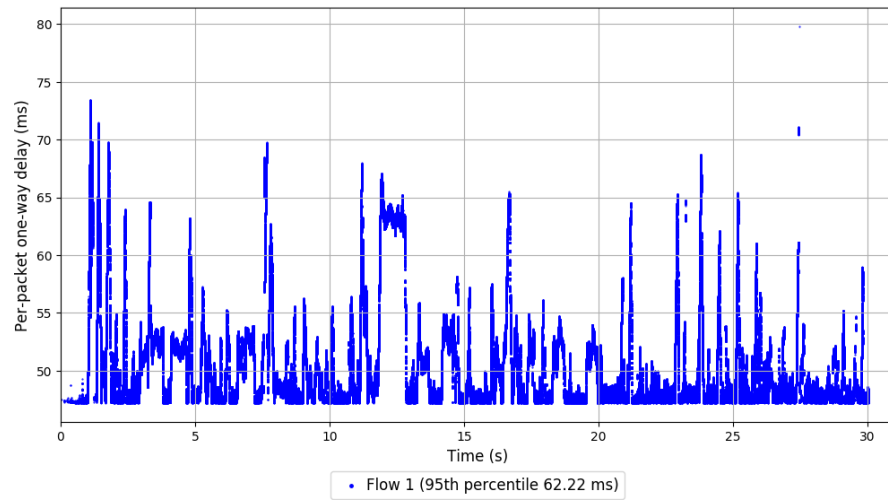
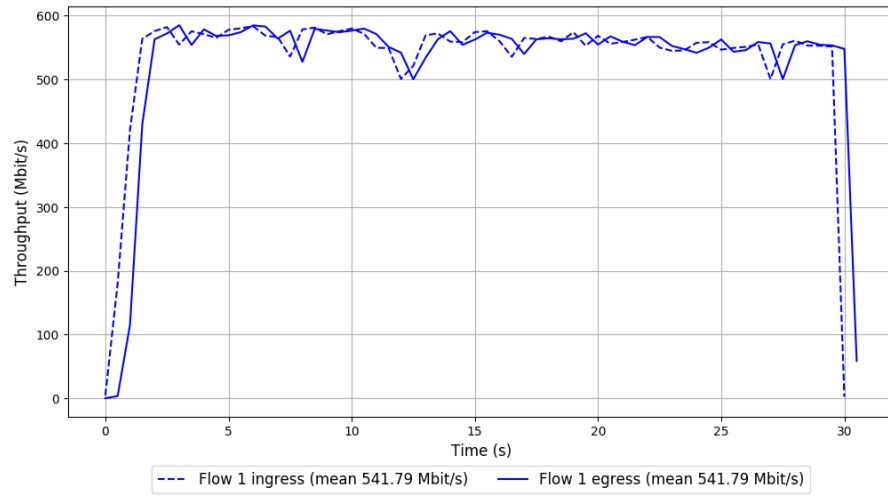


Run 3: Statistics of TCP Vegas

Start at: 2019-03-09 17:40:39
End at: 2019-03-09 17:41:09
Local clock offset: -0.101 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2019-03-09 21:02:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 541.79 Mbit/s
95th percentile per-packet one-way delay: 62.223 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 541.79 Mbit/s
95th percentile per-packet one-way delay: 62.223 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

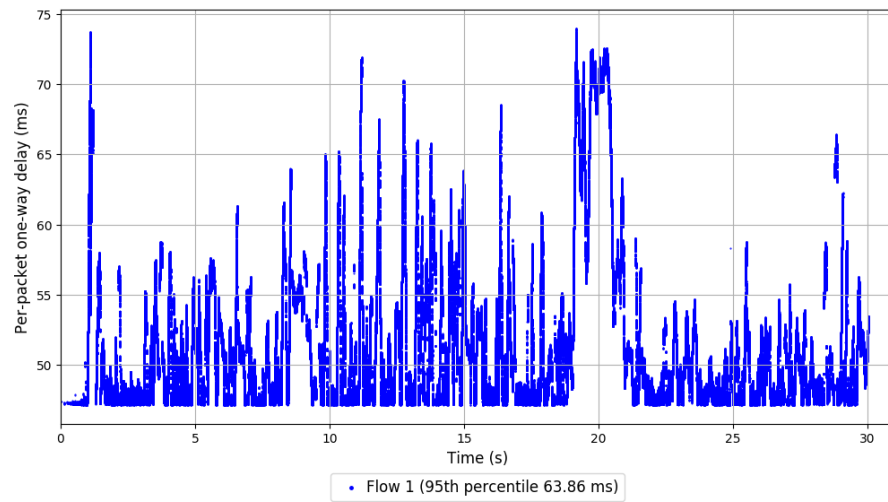
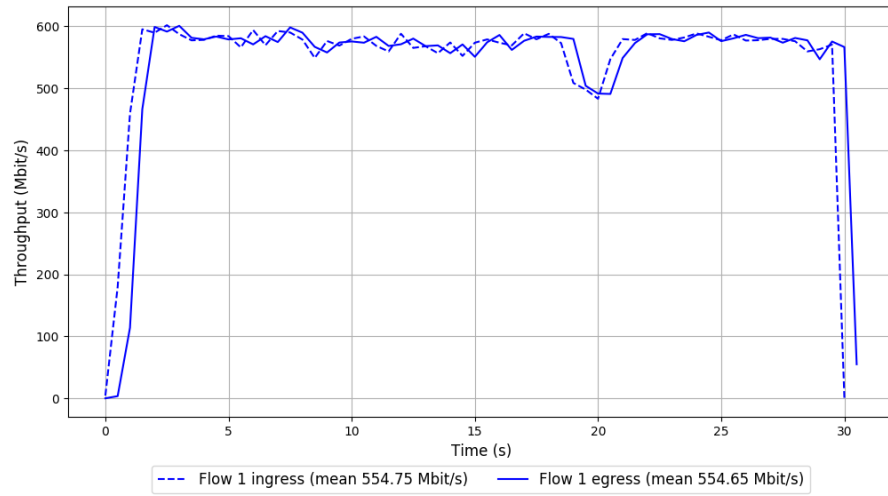


Run 4: Statistics of TCP Vegas

Start at: 2019-03-09 18:11:11
End at: 2019-03-09 18:11:41
Local clock offset: -0.11 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2019-03-09 21:03:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 554.65 Mbit/s
95th percentile per-packet one-way delay: 63.857 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 554.65 Mbit/s
95th percentile per-packet one-way delay: 63.857 ms
Loss rate: 0.01%

Run 4: Report of TCP Vegas — Data Link

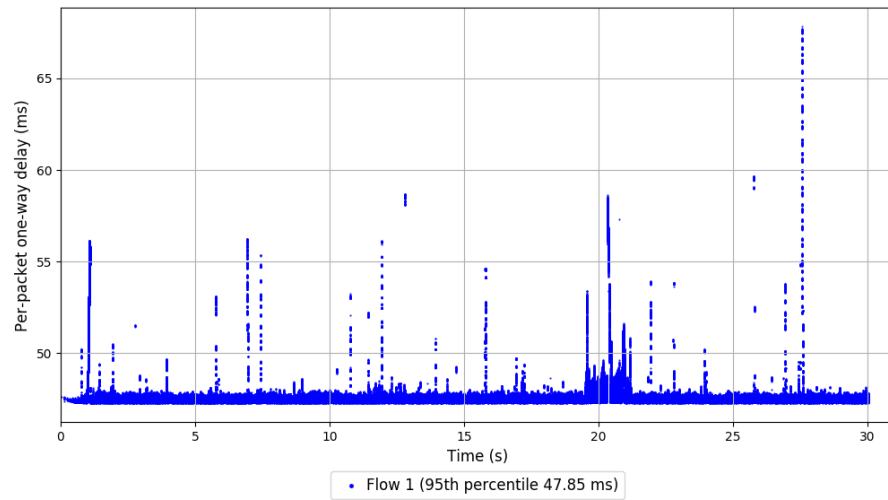
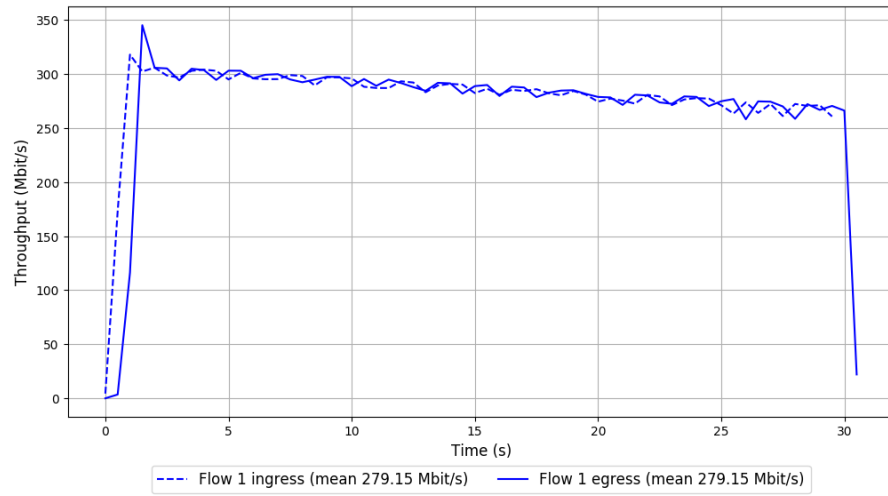


Run 5: Statistics of TCP Vegas

Start at: 2019-03-09 18:41:51
End at: 2019-03-09 18:42:21
Local clock offset: -0.13 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2019-03-09 21:03:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 279.15 Mbit/s
95th percentile per-packet one-way delay: 47.850 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 279.15 Mbit/s
95th percentile per-packet one-way delay: 47.850 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

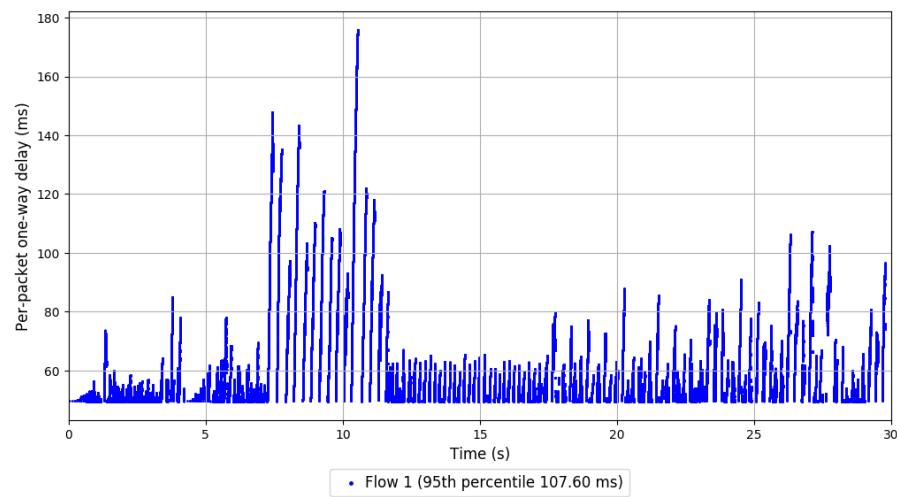
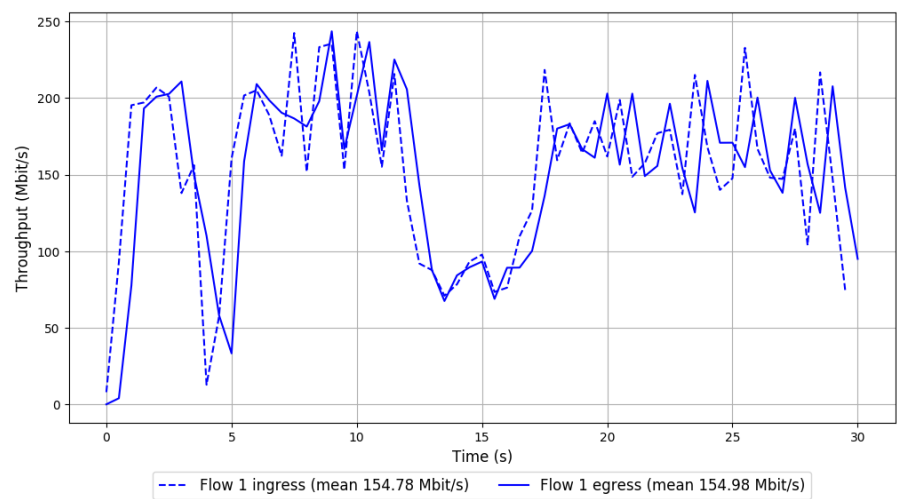


Run 1: Statistics of Verus

Start at: 2019-03-09 16:55:01
End at: 2019-03-09 16:55:31
Local clock offset: -0.044 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2019-03-09 21:03:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 154.98 Mbit/s
95th percentile per-packet one-way delay: 107.601 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 154.98 Mbit/s
95th percentile per-packet one-way delay: 107.601 ms
Loss rate: 0.00%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2019-03-09 17:25:52

End at: 2019-03-09 17:26:22

Local clock offset: -0.057 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2019-03-09 21:03:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 185.49 Mbit/s

95th percentile per-packet one-way delay: 146.968 ms

Loss rate: 0.60%

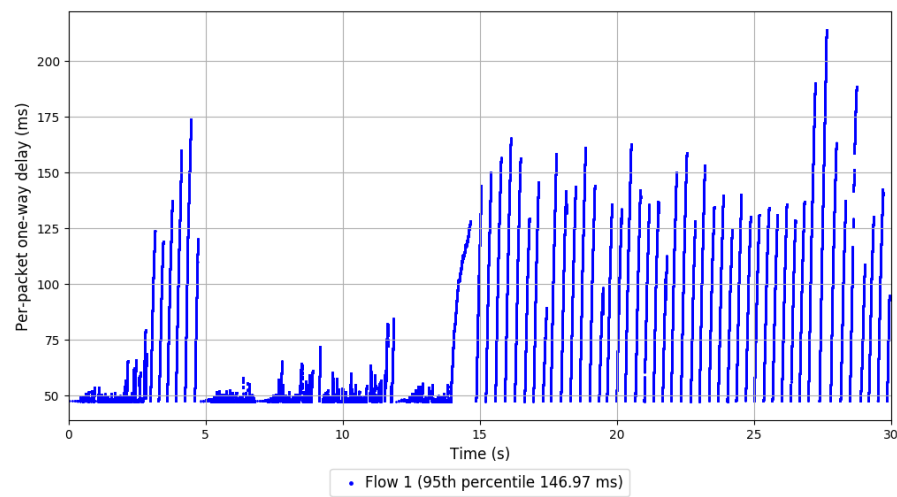
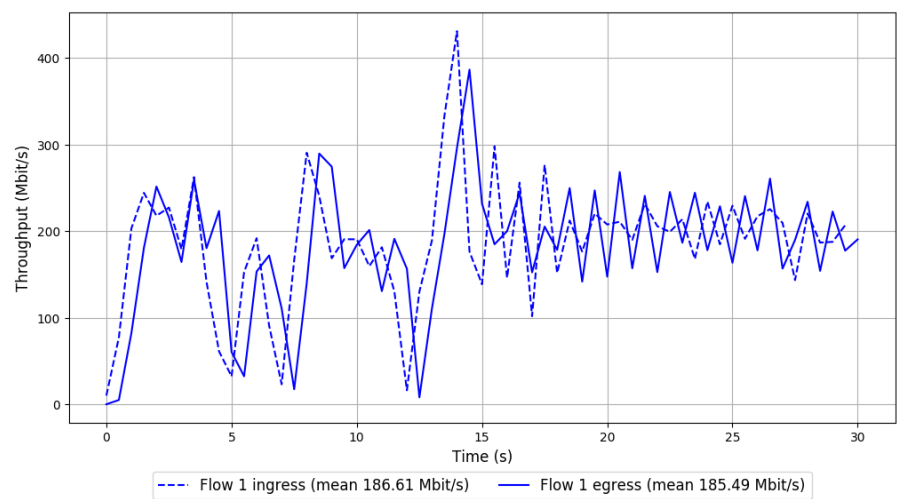
-- Flow 1:

Average throughput: 185.49 Mbit/s

95th percentile per-packet one-way delay: 146.968 ms

Loss rate: 0.60%

Run 2: Report of Verus — Data Link

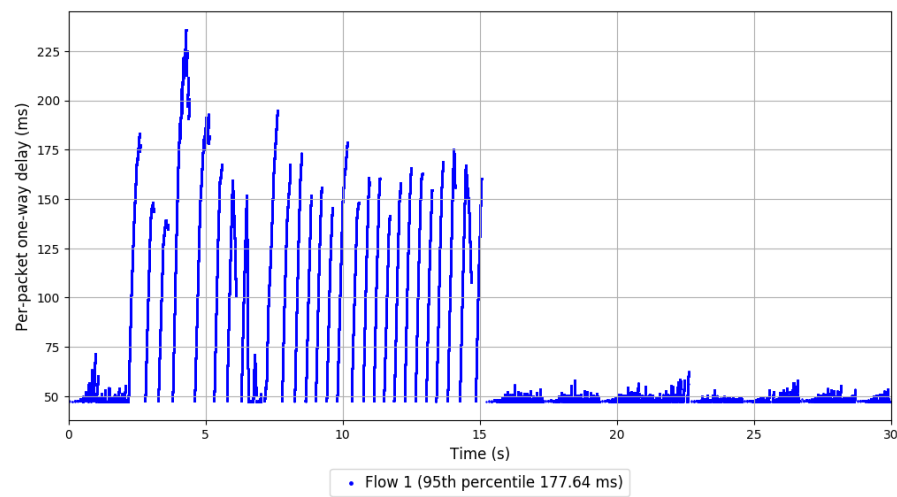
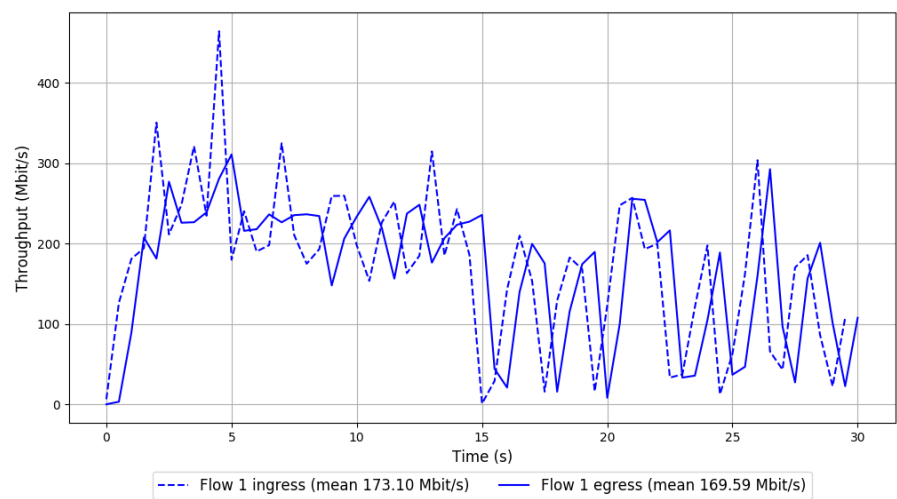


Run 3: Statistics of Verus

Start at: 2019-03-09 17:56:27
End at: 2019-03-09 17:56:57
Local clock offset: -0.071 ms
Remote clock offset: -0.138 ms

Below is generated by plot.py at 2019-03-09 21:03:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 169.59 Mbit/s
95th percentile per-packet one-way delay: 177.642 ms
Loss rate: 2.03%
-- Flow 1:
Average throughput: 169.59 Mbit/s
95th percentile per-packet one-way delay: 177.642 ms
Loss rate: 2.03%

Run 3: Report of Verus — Data Link

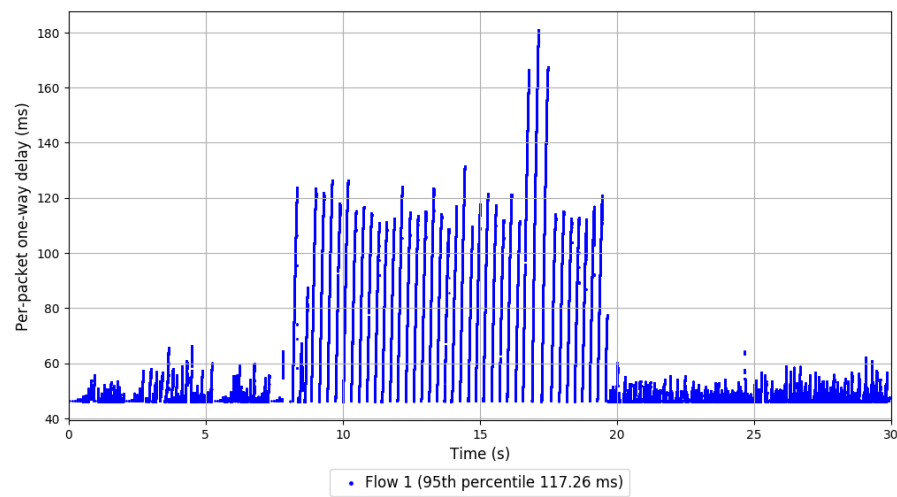
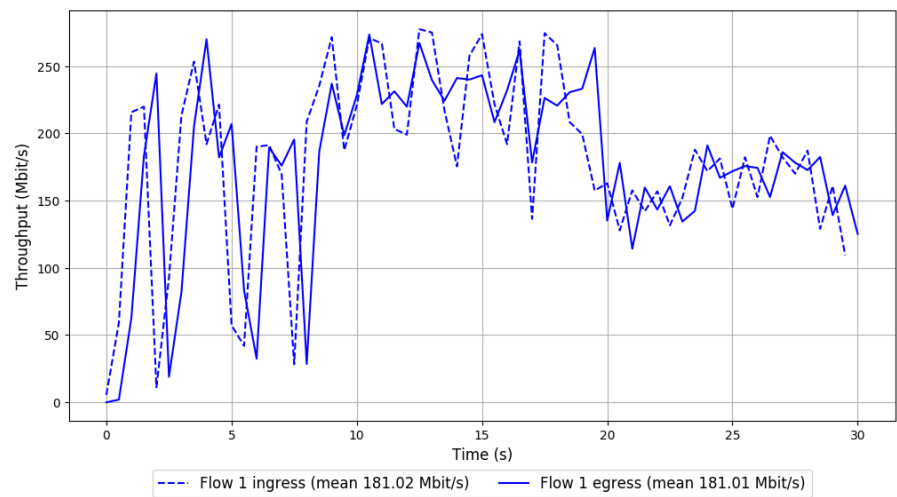


Run 4: Statistics of Verus

Start at: 2019-03-09 18:27:07
End at: 2019-03-09 18:27:37
Local clock offset: 0.219 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2019-03-09 21:04:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 181.01 Mbit/s
95th percentile per-packet one-way delay: 117.263 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 181.01 Mbit/s
95th percentile per-packet one-way delay: 117.263 ms
Loss rate: 0.00%

Run 4: Report of Verus — Data Link

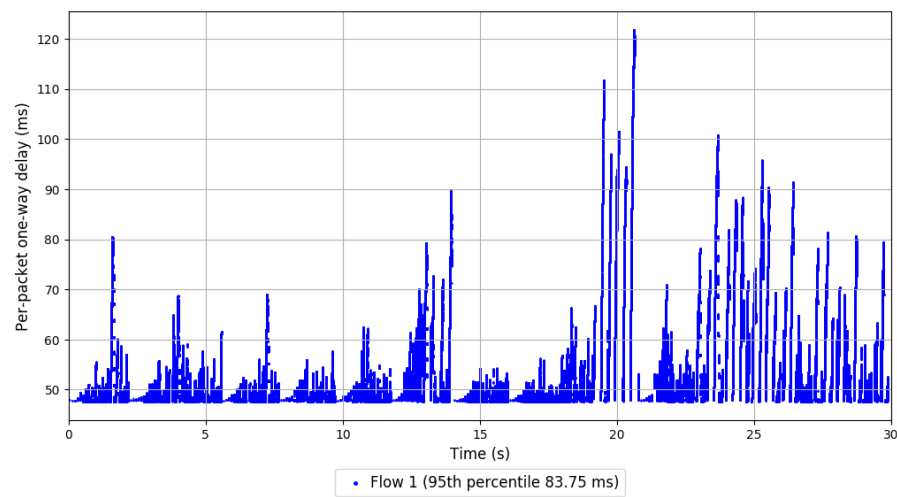
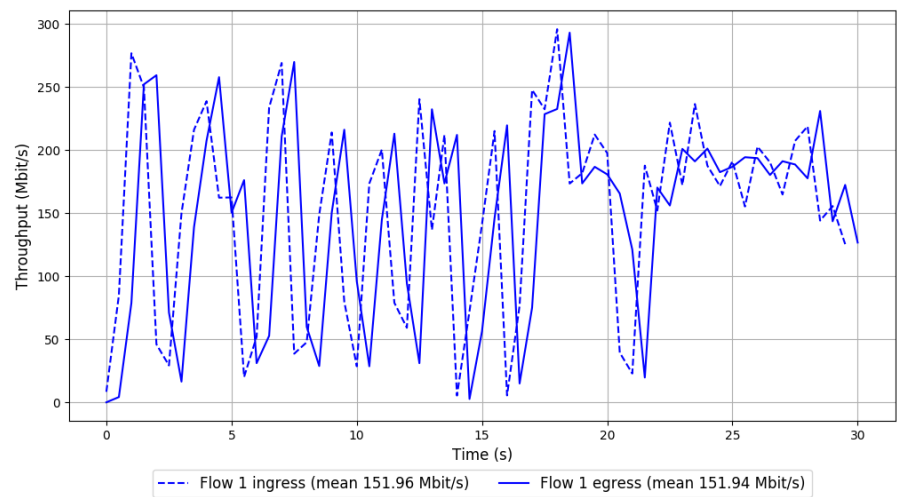


Run 5: Statistics of Verus

Start at: 2019-03-09 18:57:42
End at: 2019-03-09 18:58:12
Local clock offset: -0.497 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2019-03-09 21:04:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 151.94 Mbit/s
95th percentile per-packet one-way delay: 83.753 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 151.94 Mbit/s
95th percentile per-packet one-way delay: 83.753 ms
Loss rate: 0.00%

Run 5: Report of Verus — Data Link

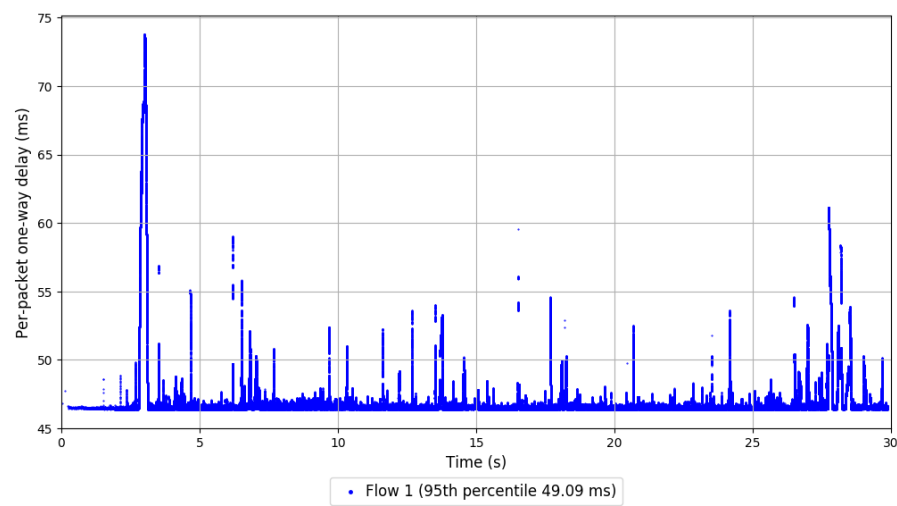
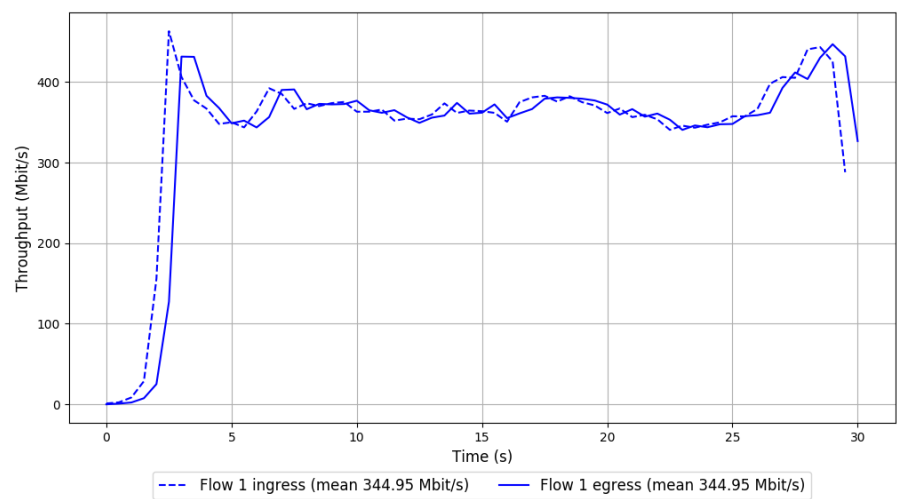


Run 1: Statistics of PCC-Vivace

Start at: 2019-03-09 16:42:00
End at: 2019-03-09 16:42:30
Local clock offset: -0.05 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2019-03-09 21:04:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 344.95 Mbit/s
95th percentile per-packet one-way delay: 49.091 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 344.95 Mbit/s
95th percentile per-packet one-way delay: 49.091 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-03-09 17:12:56

End at: 2019-03-09 17:13:26

Local clock offset: -0.027 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2019-03-09 21:04:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.55 Mbit/s

95th percentile per-packet one-way delay: 49.664 ms

Loss rate: 0.03%

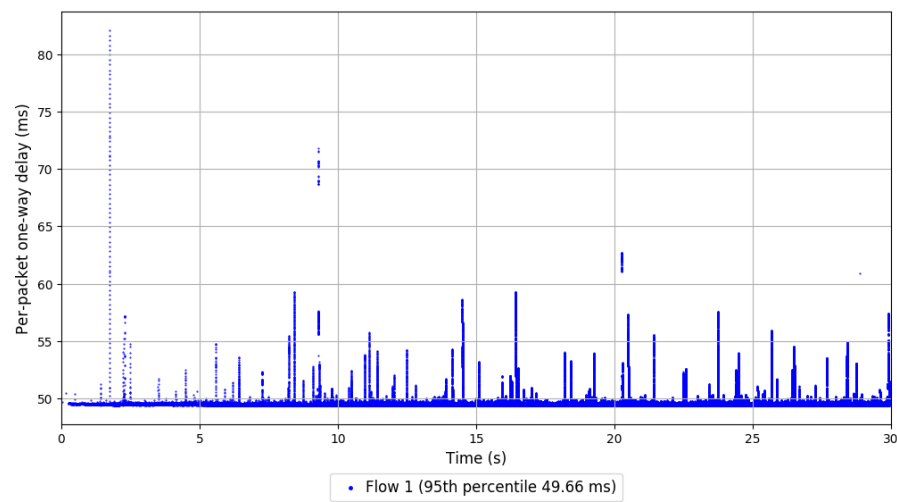
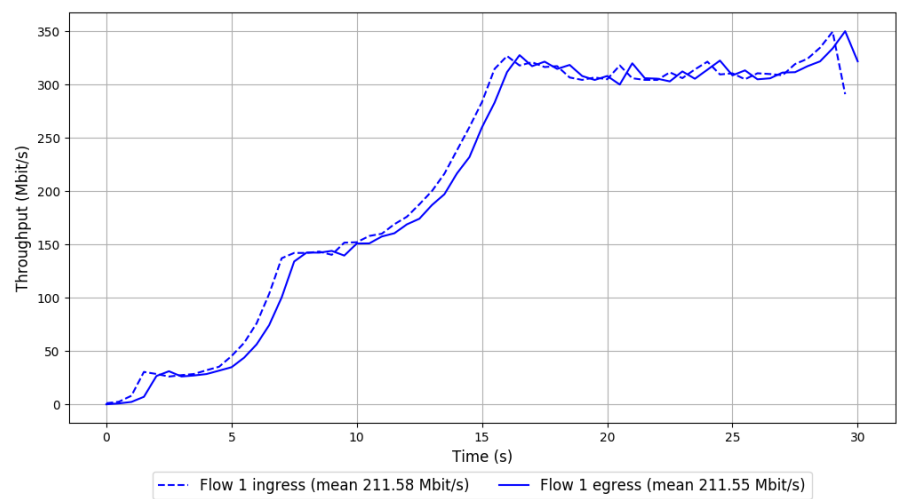
-- Flow 1:

Average throughput: 211.55 Mbit/s

95th percentile per-packet one-way delay: 49.664 ms

Loss rate: 0.03%

Run 2: Report of PCC-Vivace — Data Link

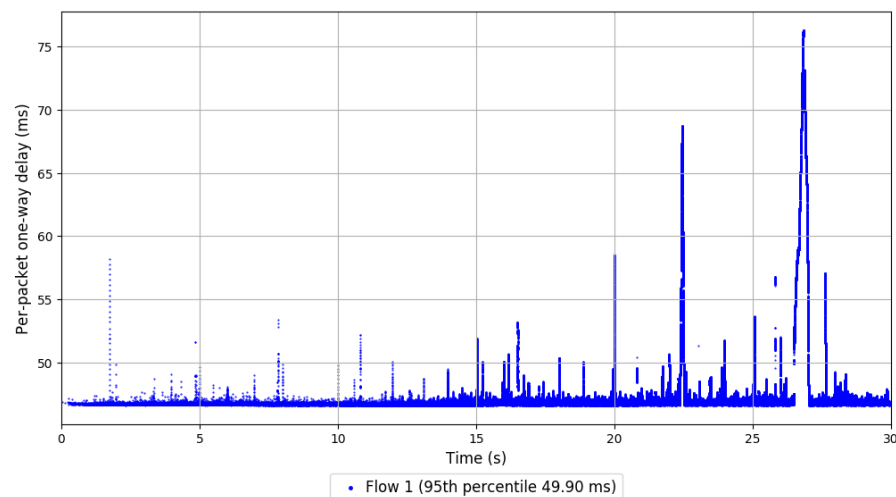
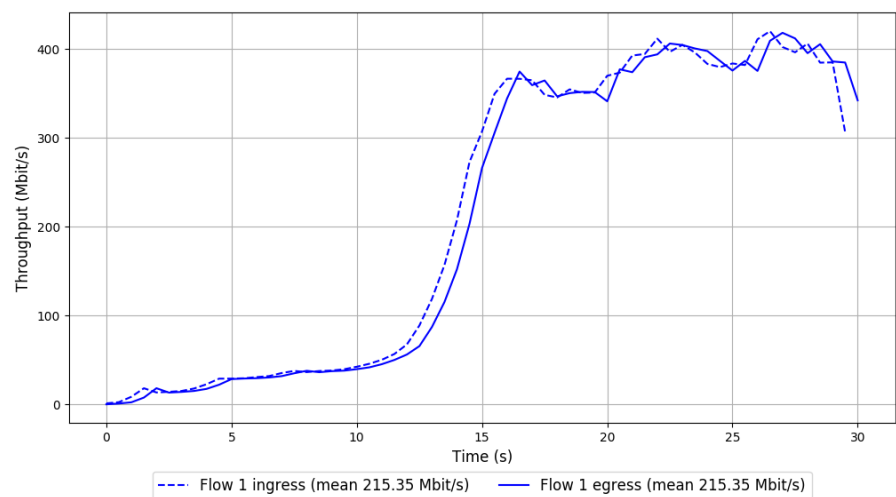


Run 3: Statistics of PCC-Vivace

Start at: 2019-03-09 17:43:46
End at: 2019-03-09 17:44:16
Local clock offset: -0.082 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2019-03-09 21:04:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 215.35 Mbit/s
95th percentile per-packet one-way delay: 49.896 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 215.35 Mbit/s
95th percentile per-packet one-way delay: 49.896 ms
Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

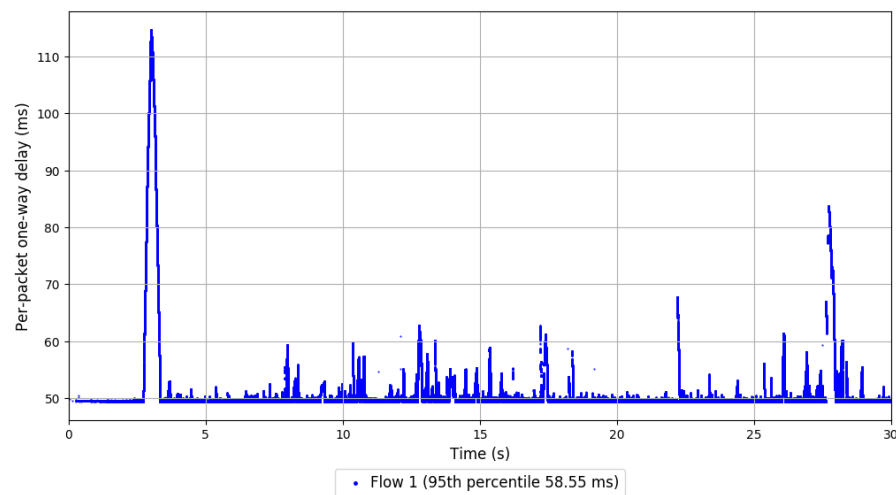
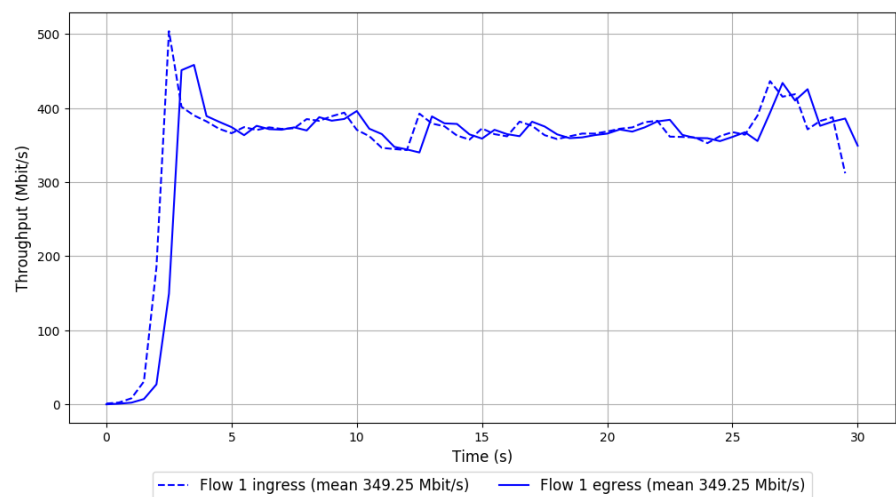


Run 4: Statistics of PCC-Vivace

Start at: 2019-03-09 18:14:14
End at: 2019-03-09 18:14:44
Local clock offset: -0.059 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2019-03-09 21:04:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 349.25 Mbit/s
95th percentile per-packet one-way delay: 58.551 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 349.25 Mbit/s
95th percentile per-packet one-way delay: 58.551 ms
Loss rate: 0.01%

Run 4: Report of PCC-Vivace — Data Link

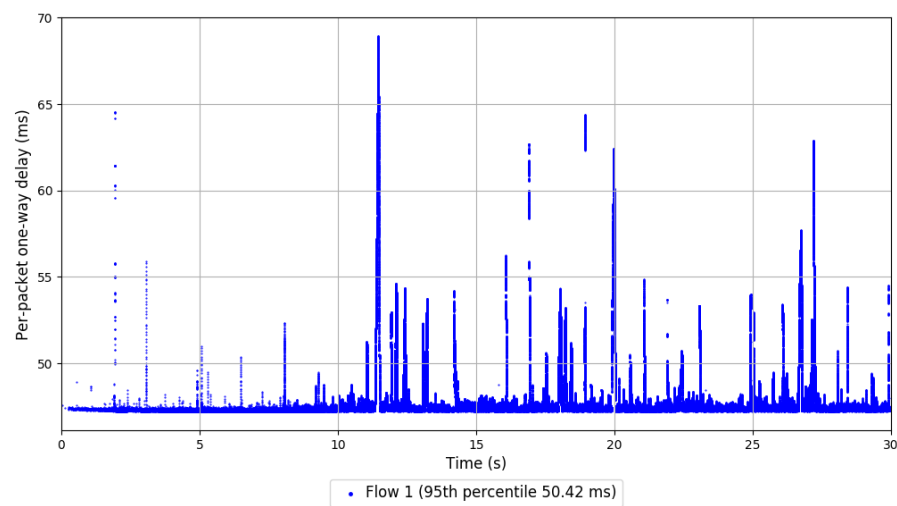
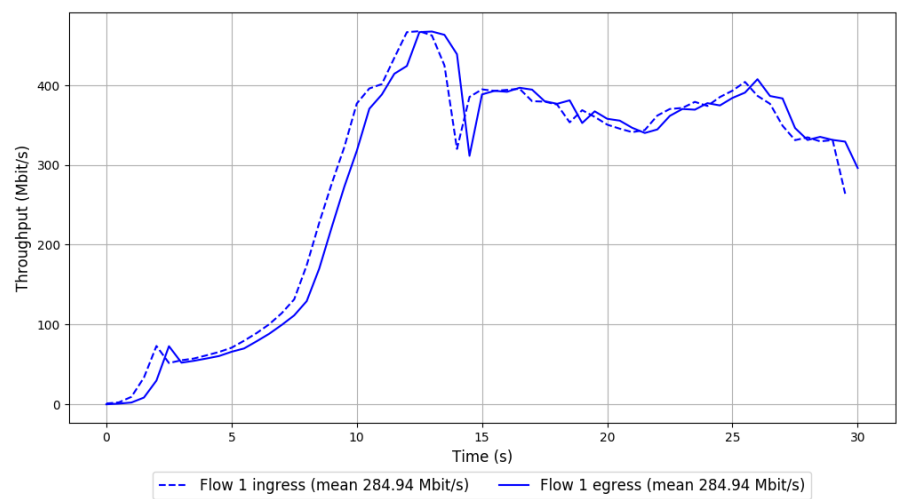


Run 5: Statistics of PCC-Vivace

Start at: 2019-03-09 18:44:42
End at: 2019-03-09 18:45:12
Local clock offset: -0.134 ms
Remote clock offset: -0.112 ms

Below is generated by plot.py at 2019-03-09 21:04:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 284.94 Mbit/s
95th percentile per-packet one-way delay: 50.417 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 284.94 Mbit/s
95th percentile per-packet one-way delay: 50.417 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

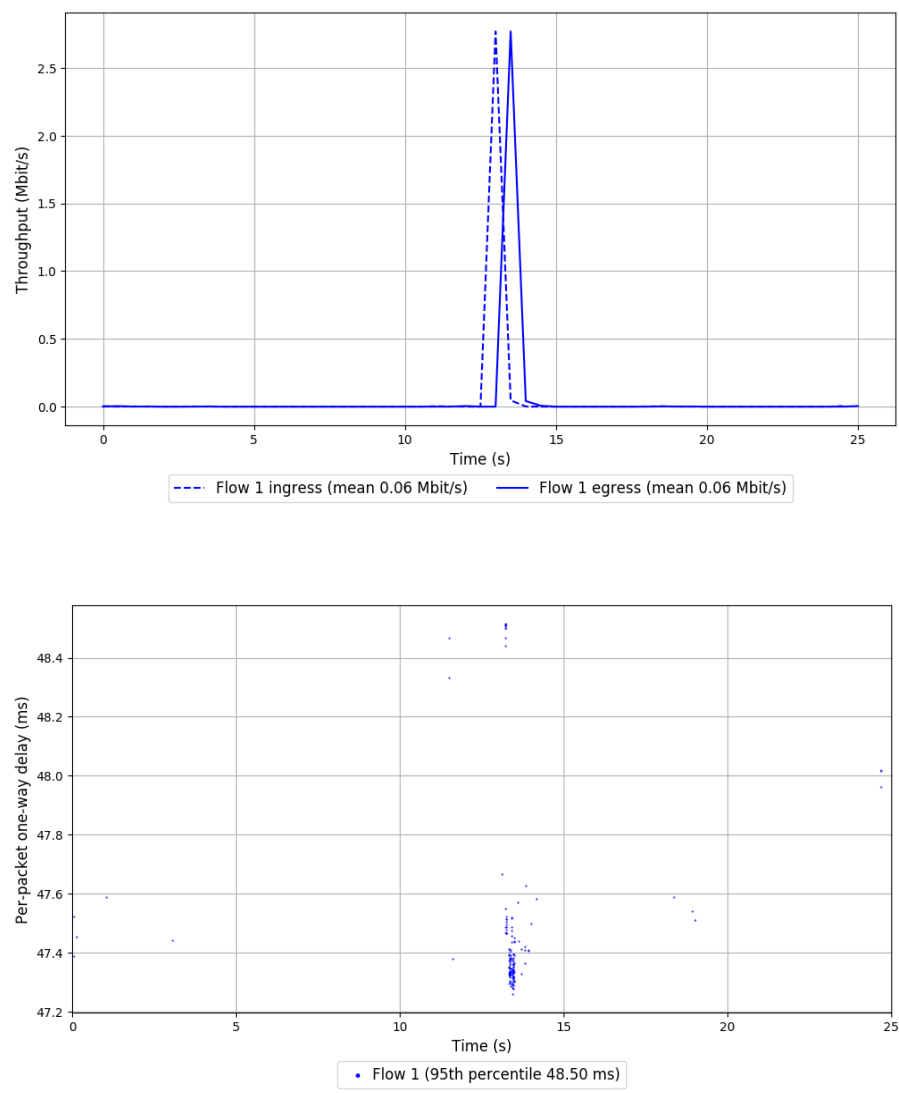


Run 1: Statistics of WebRTC media

Start at: 2019-03-09 16:30:14
End at: 2019-03-09 16:30:44
Local clock offset: -0.07 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2019-03-09 21:04:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 48.501 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 48.501 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

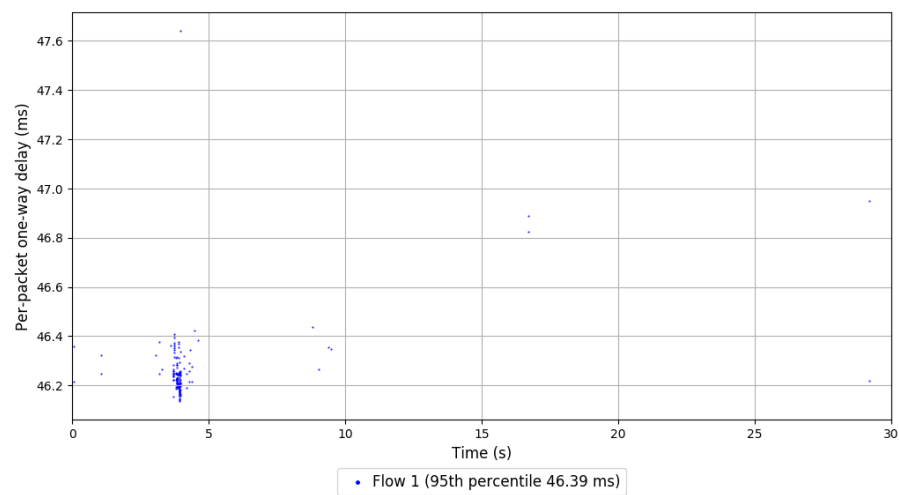
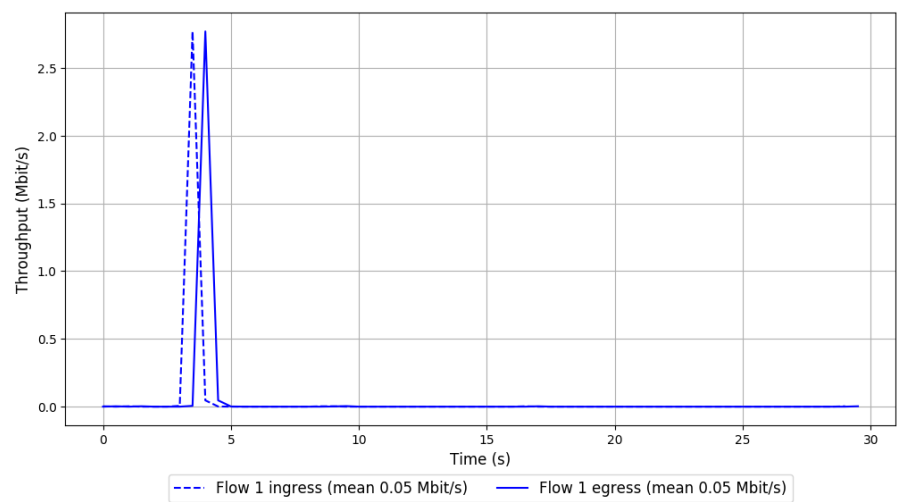


Run 2: Statistics of WebRTC media

Start at: 2019-03-09 17:01:02
End at: 2019-03-09 17:01:32
Local clock offset: 0.292 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2019-03-09 21:04:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 46.393 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 46.393 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-03-09 17:31:52

End at: 2019-03-09 17:32:22

Local clock offset: -0.071 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2019-03-09 21:04:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 46.702 ms

Loss rate: 0.00%

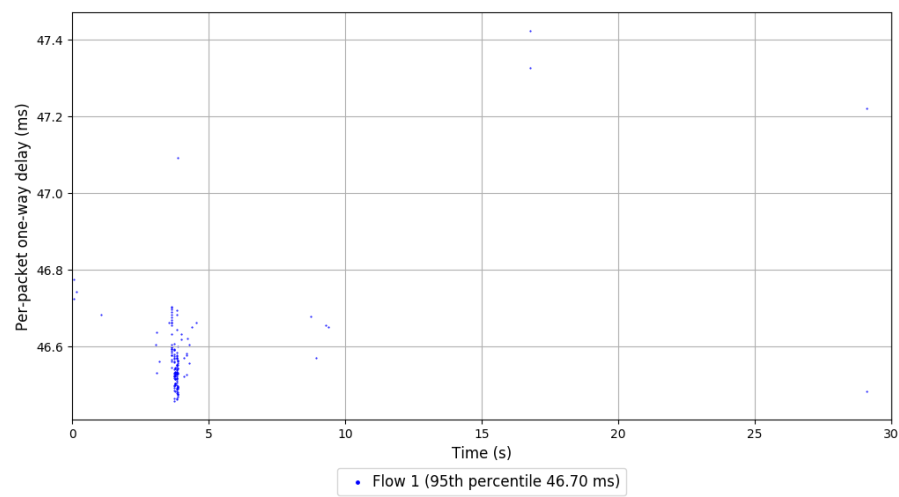
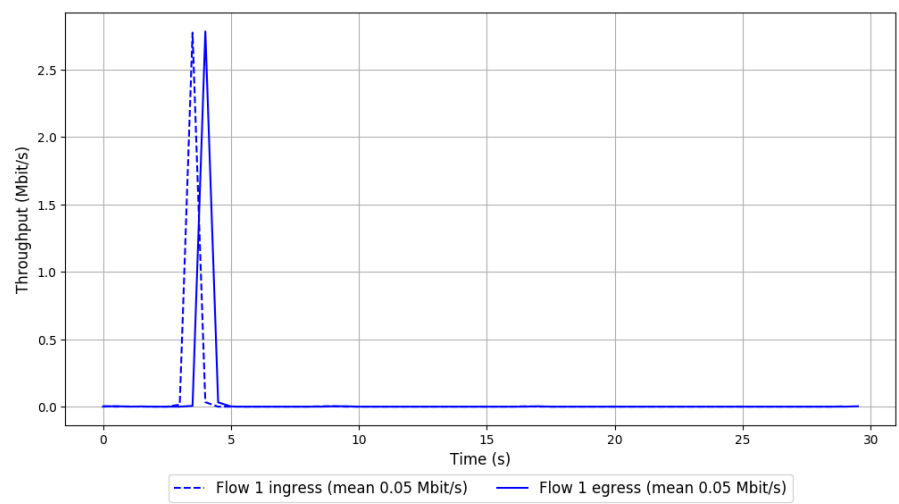
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 46.702 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

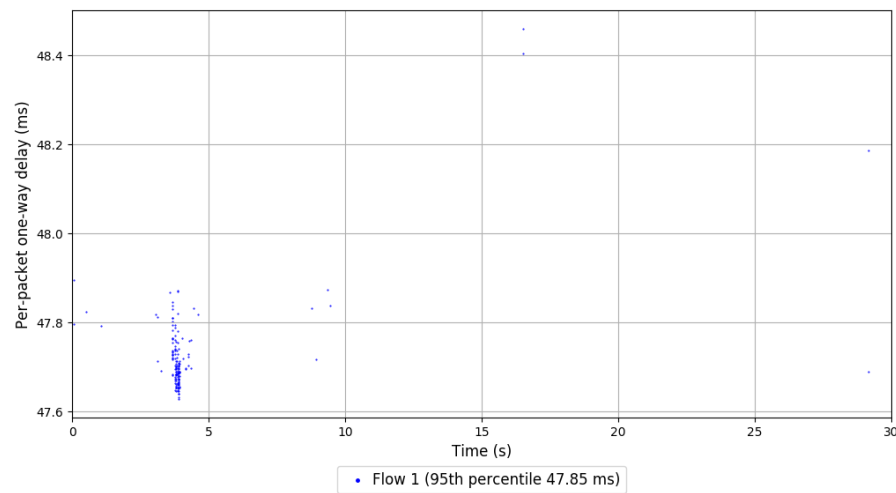
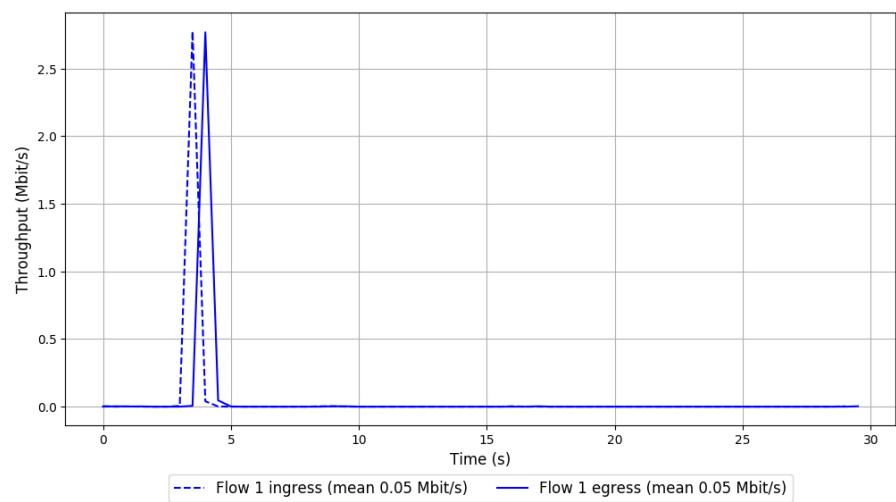


Run 4: Statistics of WebRTC media

Start at: 2019-03-09 18:02:24
End at: 2019-03-09 18:02:54
Local clock offset: -0.472 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2019-03-09 21:04:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 47.847 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 47.847 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-03-09 18:33:10
End at: 2019-03-09 18:33:40
Local clock offset: -0.487 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2019-03-09 21:04:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.13 Mbit/s
95th percentile per-packet one-way delay: 47.108 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.13 Mbit/s
95th percentile per-packet one-way delay: 47.108 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

