

Pantheon Report

Generated at 2019-01-25 16:22:04 (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:

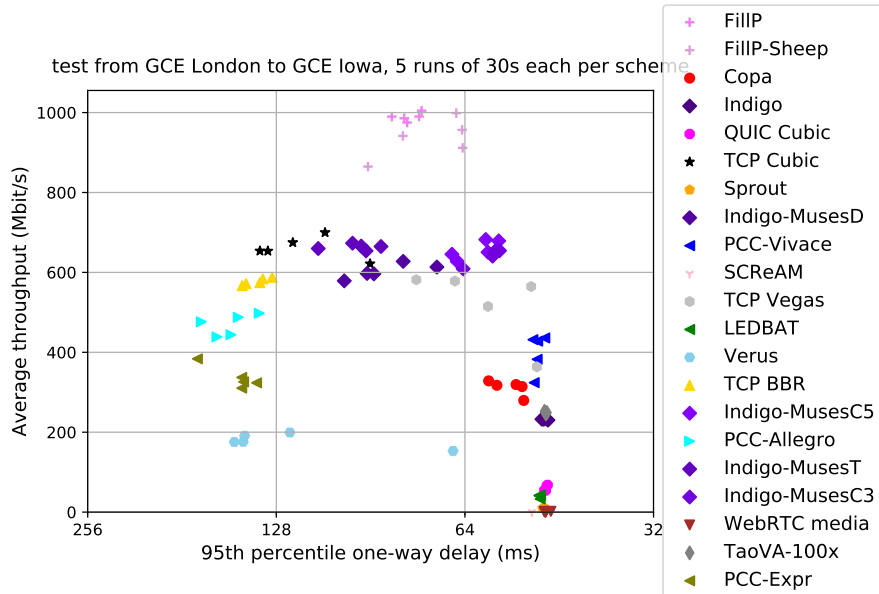
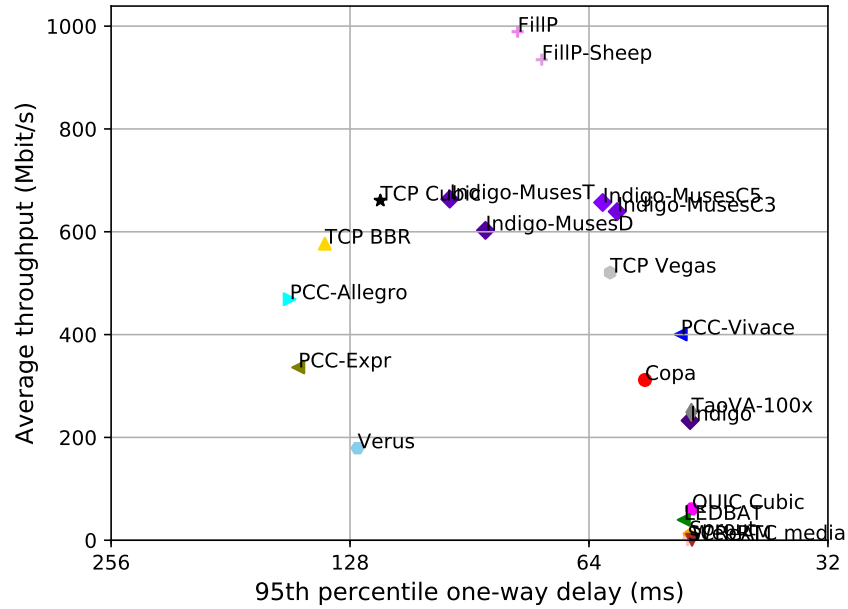
```
Linux 4.15.0-1026-gcp
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

```
branch: muses @ 0b8e9a949603c3842368430acf469eec3b941f9f
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd9c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ d9c5ea33091330aca25ecd105ab2db6d34d5c40d
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)



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	576.86	137.70	0.71
Copa	5	311.78	54.41	0.01
TCP Cubic	5	660.68	117.23	0.08
FillP	5	989.13	78.72	0.08
FillP-Sheep	5	934.69	73.40	0.08
Indigo	5	232.75	47.73	0.00
Indigo-MusesC3	4	639.23	58.98	0.03
Indigo-MusesC5	5	656.92	61.51	0.02
Indigo-MusesD	5	602.70	86.41	0.02
Indigo-MusesT	5	663.49	95.85	0.04
LEDBAT	5	39.68	48.62	0.00
PCC-Allegro	5	468.84	152.48	1.54
PCC-Expr	5	336.14	148.75	2.02
QUIC Cubic	4	60.86	47.49	0.00
SCReAM	5	0.22	48.07	0.00
Sprout	5	9.55	47.84	0.01
TaoVA-100x	5	248.89	47.55	0.00
TCP Vegas	5	520.61	60.20	0.01
Verus	5	178.99	125.26	0.10
PCC-Vivace	5	400.37	49.05	0.00
WebRTC media	5	0.84	47.47	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-01-25 12:02:24

End at: 2019-01-25 12:02:54

Local clock offset: -0.047 ms

Remote clock offset: -0.043 ms

Below is generated by plot.py at 2019-01-25 14:34:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 574.35 Mbit/s

95th percentile per-packet one-way delay: 135.988 ms

Loss rate: 0.73%

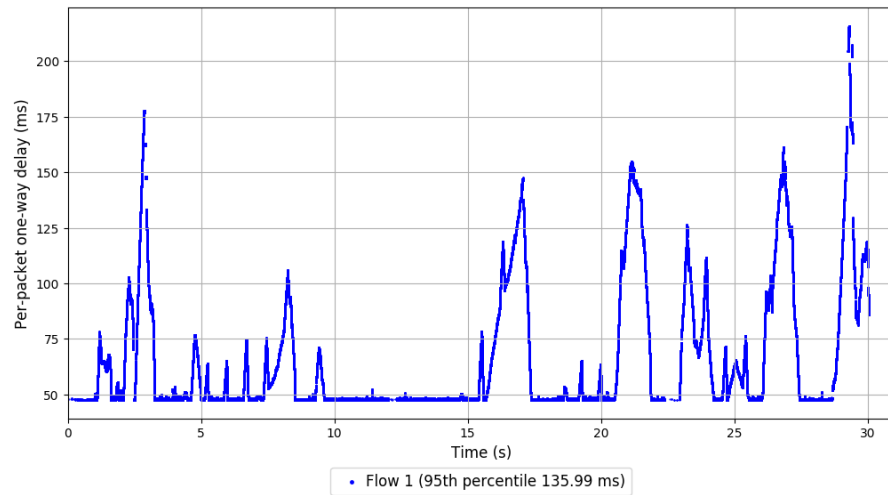
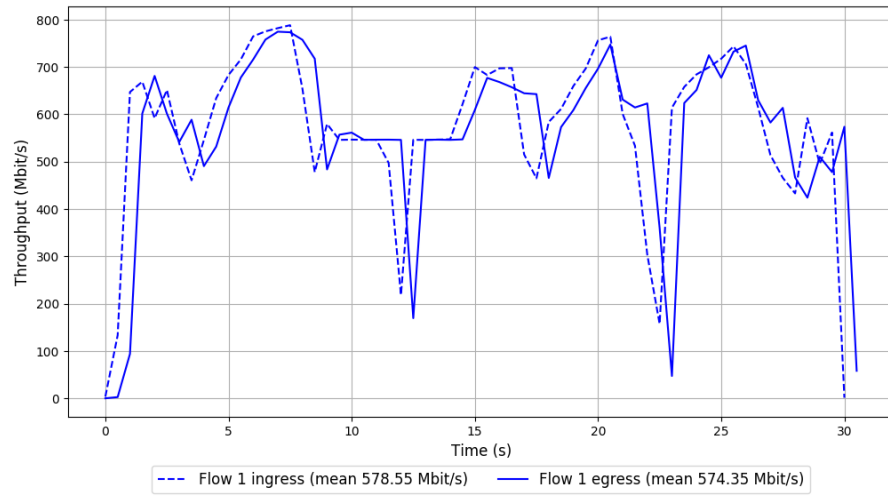
-- Flow 1:

Average throughput: 574.35 Mbit/s

95th percentile per-packet one-way delay: 135.988 ms

Loss rate: 0.73%

Run 1: Report of TCP BBR — Data Link

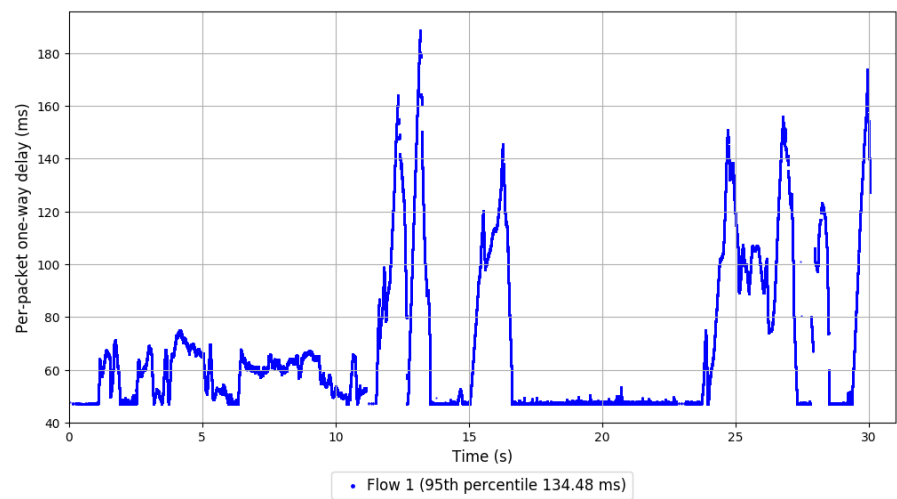
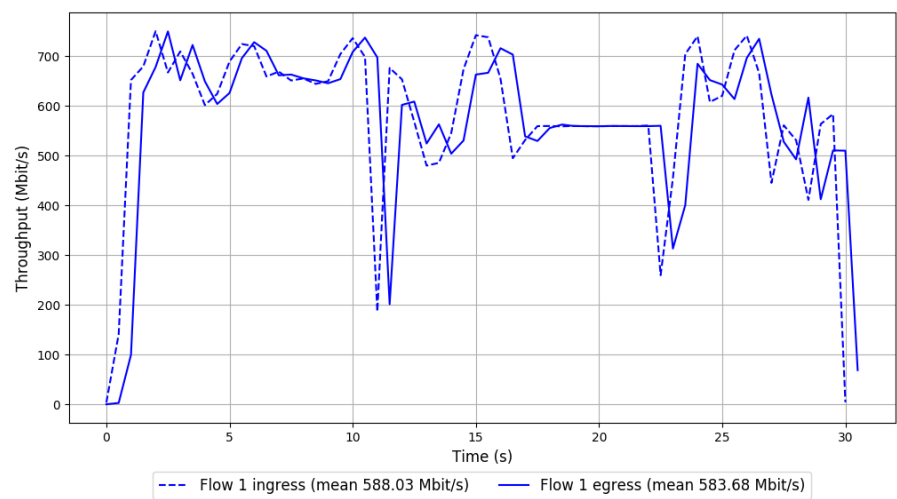


Run 2: Statistics of TCP BBR

Start at: 2019-01-25 12:33:38
End at: 2019-01-25 12:34:08
Local clock offset: -0.102 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2019-01-25 14:34:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 583.68 Mbit/s
95th percentile per-packet one-way delay: 134.483 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 583.68 Mbit/s
95th percentile per-packet one-way delay: 134.483 ms
Loss rate: 0.74%

Run 2: Report of TCP BBR — Data Link

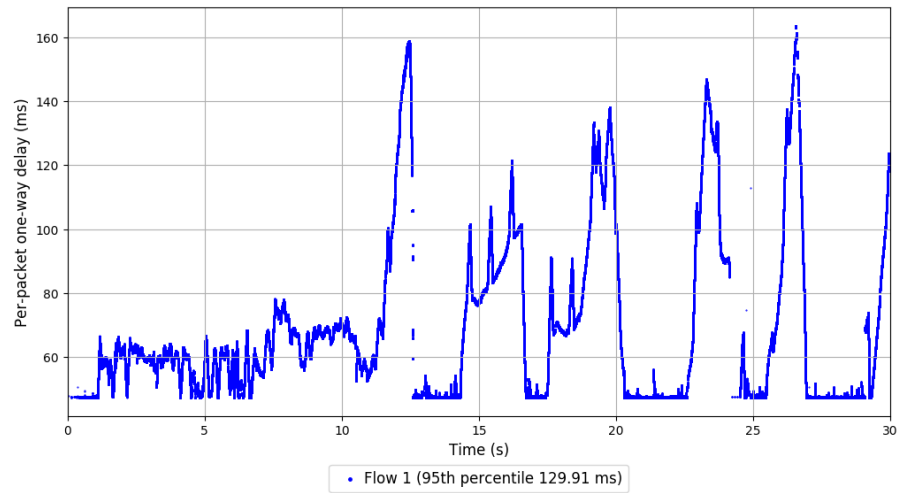
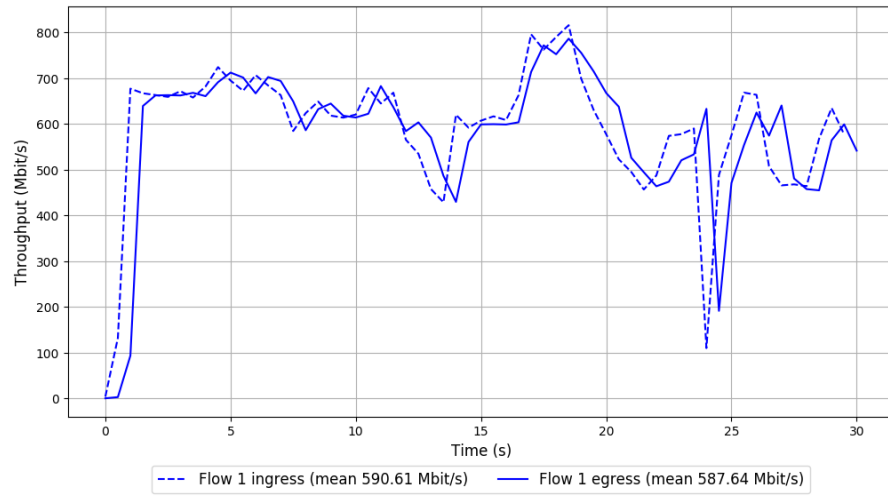


Run 3: Statistics of TCP BBR

Start at: 2019-01-25 13:04:44
End at: 2019-01-25 13:05:14
Local clock offset: -0.089 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2019-01-25 14:34:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 587.64 Mbit/s
95th percentile per-packet one-way delay: 129.914 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 587.64 Mbit/s
95th percentile per-packet one-way delay: 129.914 ms
Loss rate: 0.50%

Run 3: Report of TCP BBR — Data Link

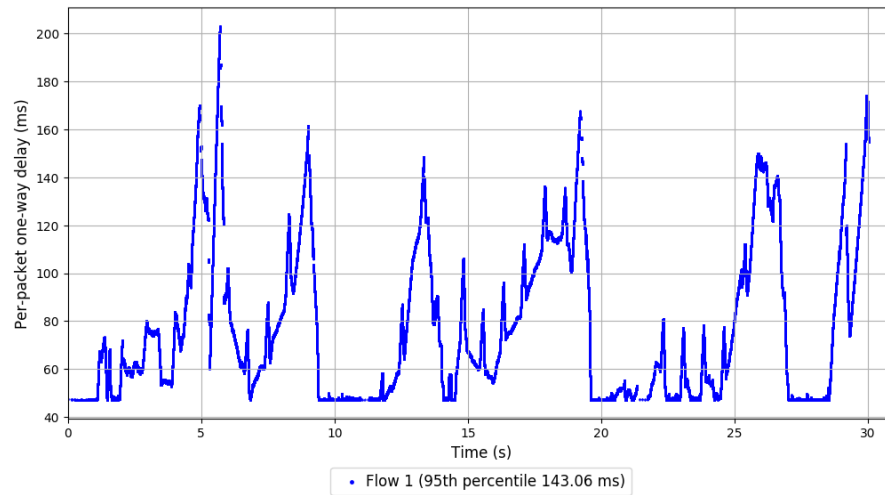
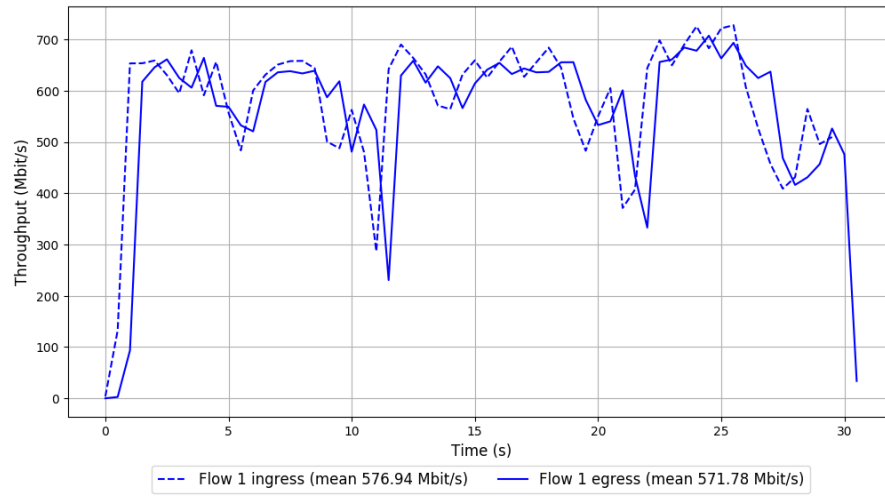


Run 4: Statistics of TCP BBR

Start at: 2019-01-25 13:36:02
End at: 2019-01-25 13:36:32
Local clock offset: -0.043 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2019-01-25 14:34:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 571.78 Mbit/s
95th percentile per-packet one-way delay: 143.059 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 571.78 Mbit/s
95th percentile per-packet one-way delay: 143.059 ms
Loss rate: 0.90%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-01-25 14:07:12

End at: 2019-01-25 14:07:42

Local clock offset: -0.15 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2019-01-25 14:34:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 566.86 Mbit/s

95th percentile per-packet one-way delay: 145.077 ms

Loss rate: 0.67%

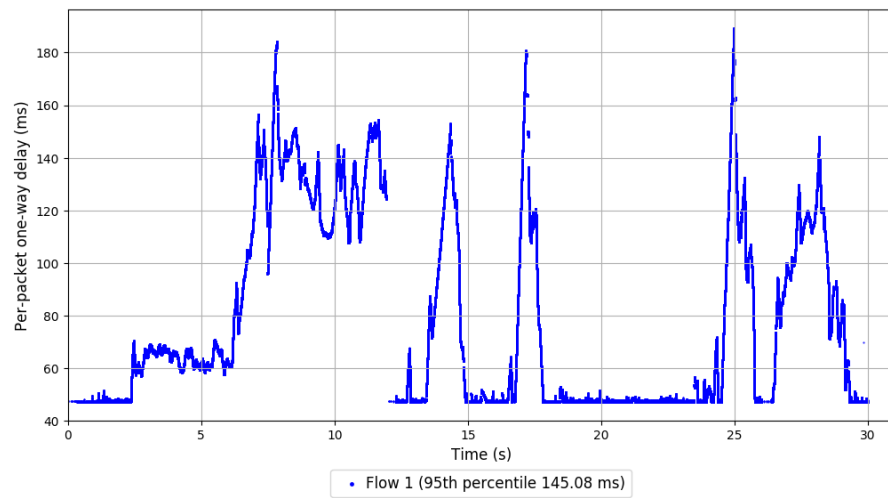
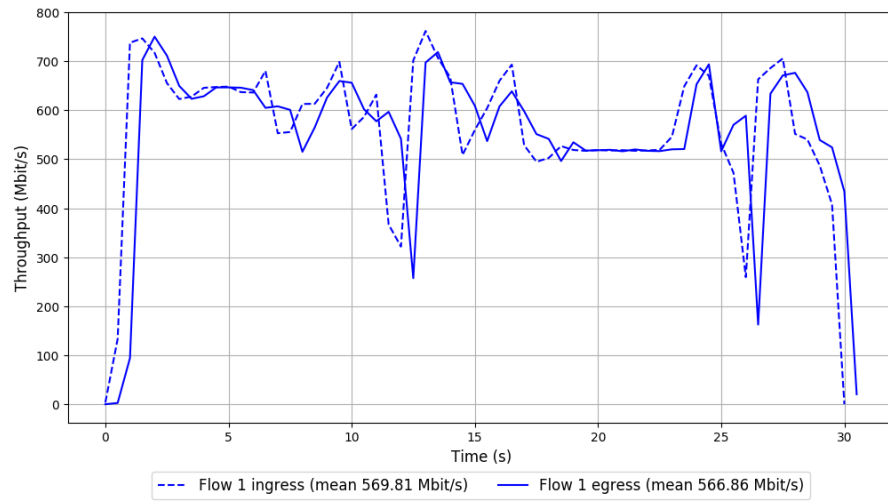
-- Flow 1:

Average throughput: 566.86 Mbit/s

95th percentile per-packet one-way delay: 145.077 ms

Loss rate: 0.67%

Run 5: Report of TCP BBR — Data Link

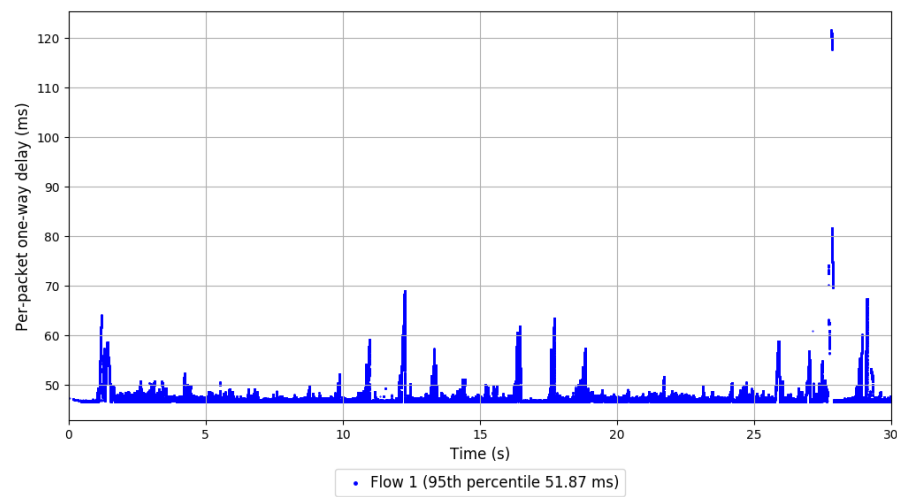
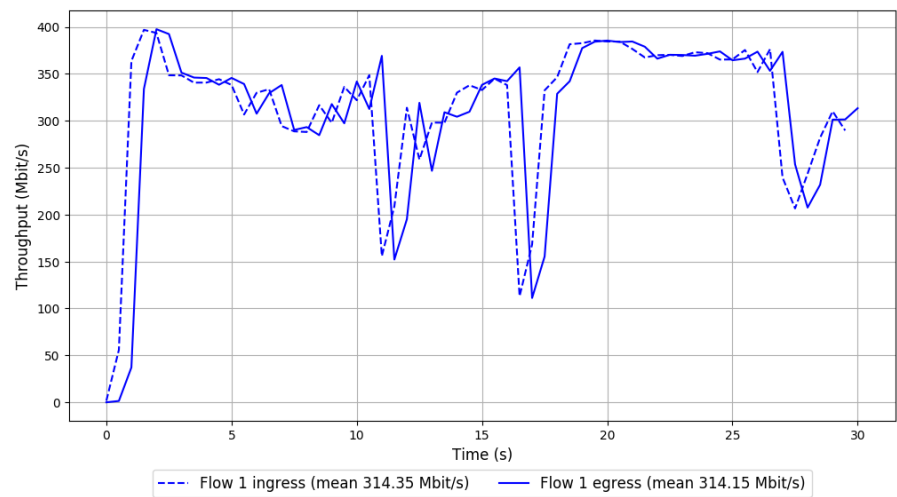


Run 1: Statistics of Copa

Start at: 2019-01-25 11:41:48
End at: 2019-01-25 11:42:18
Local clock offset: 0.386 ms
Remote clock offset: -0.167 ms

Below is generated by plot.py at 2019-01-25 14:34:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 314.15 Mbit/s
95th percentile per-packet one-way delay: 51.873 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 314.15 Mbit/s
95th percentile per-packet one-way delay: 51.873 ms
Loss rate: 0.06%

Run 1: Report of Copa — Data Link

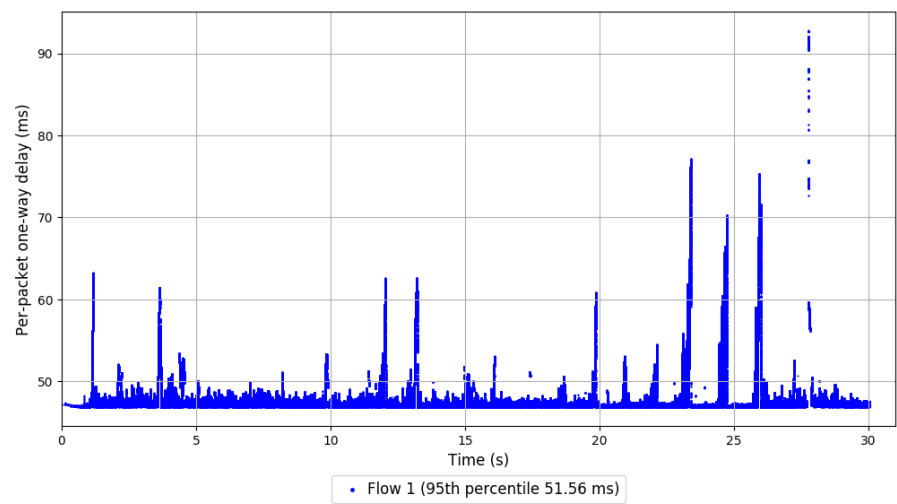
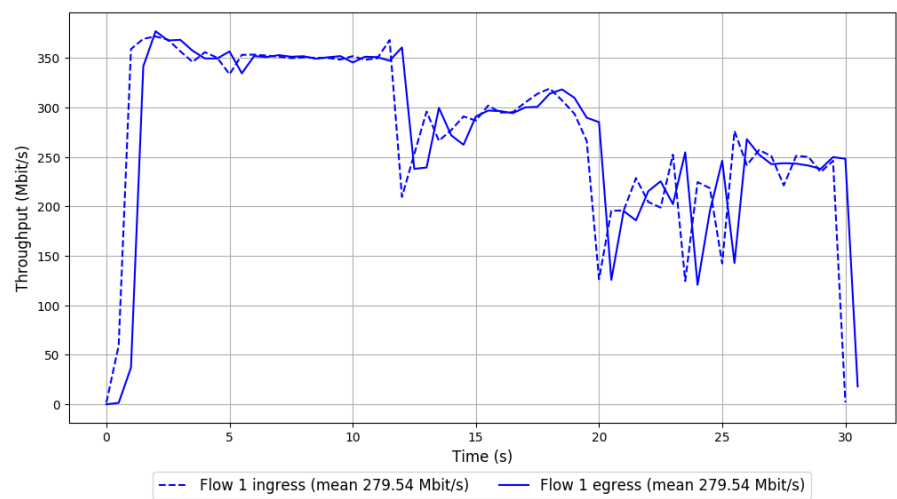


Run 2: Statistics of Copa

Start at: 2019-01-25 12:13:01
End at: 2019-01-25 12:13:31
Local clock offset: 0.276 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2019-01-25 14:34:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 279.54 Mbit/s
95th percentile per-packet one-way delay: 51.560 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 279.54 Mbit/s
95th percentile per-packet one-way delay: 51.560 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

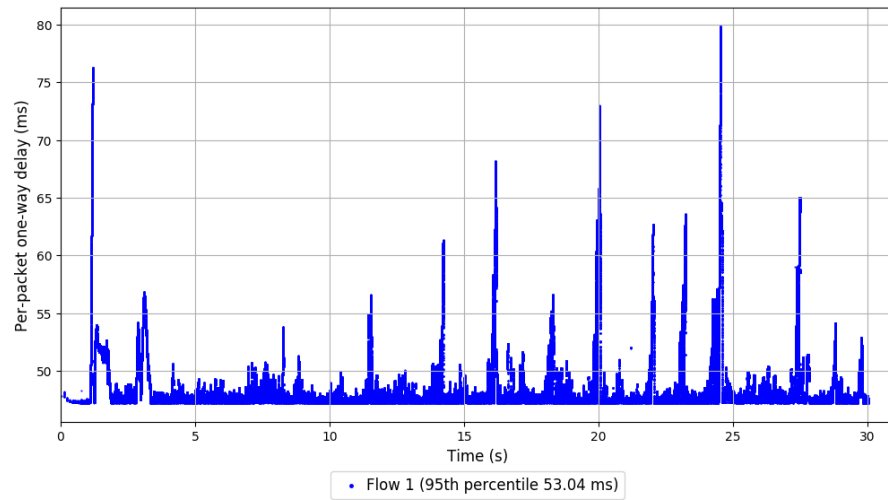
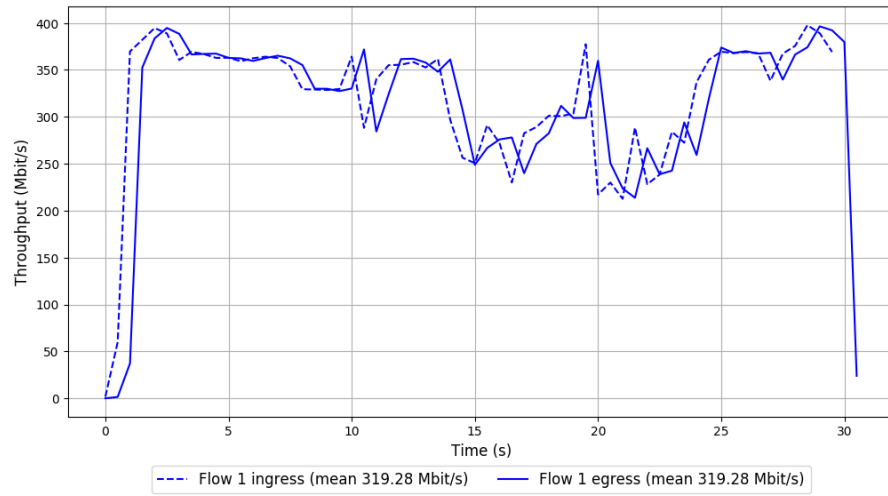


Run 3: Statistics of Copa

Start at: 2019-01-25 12:44:12
End at: 2019-01-25 12:44:42
Local clock offset: -0.133 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2019-01-25 14:34:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 319.28 Mbit/s
95th percentile per-packet one-way delay: 53.036 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 319.28 Mbit/s
95th percentile per-packet one-way delay: 53.036 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

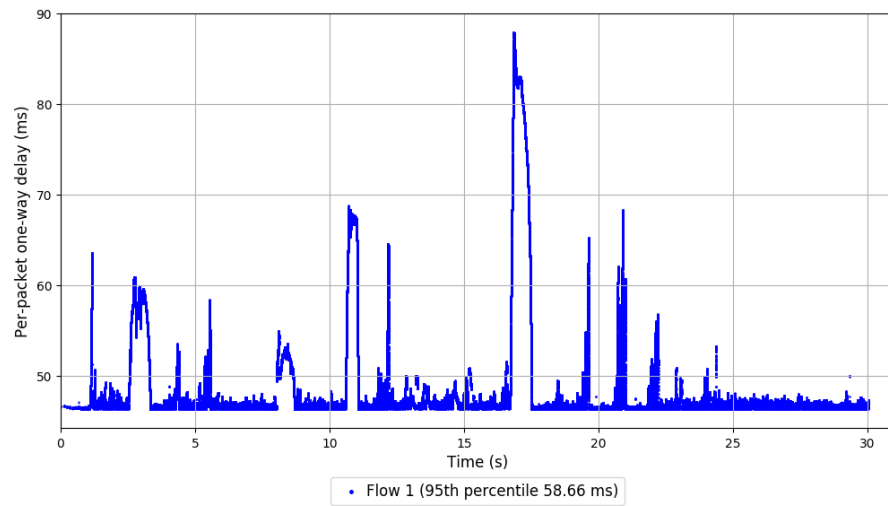
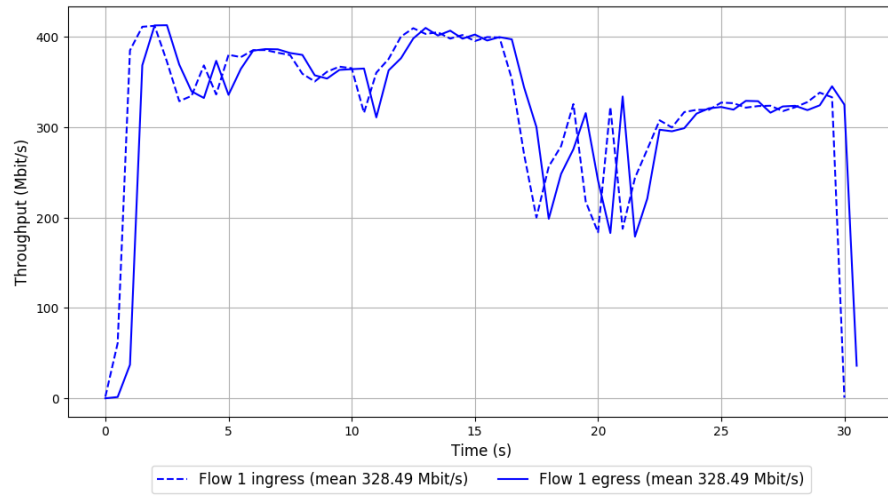


Run 4: Statistics of Copa

Start at: 2019-01-25 13:15:18
End at: 2019-01-25 13:15:48
Local clock offset: -0.008 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2019-01-25 14:44:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 328.49 Mbit/s
95th percentile per-packet one-way delay: 58.655 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 328.49 Mbit/s
95th percentile per-packet one-way delay: 58.655 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2019-01-25 13:46:34

End at: 2019-01-25 13:47:04

Local clock offset: 0.266 ms

Remote clock offset: 0.107 ms

Below is generated by plot.py at 2019-01-25 14:44:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 317.44 Mbit/s

95th percentile per-packet one-way delay: 56.906 ms

Loss rate: 0.00%

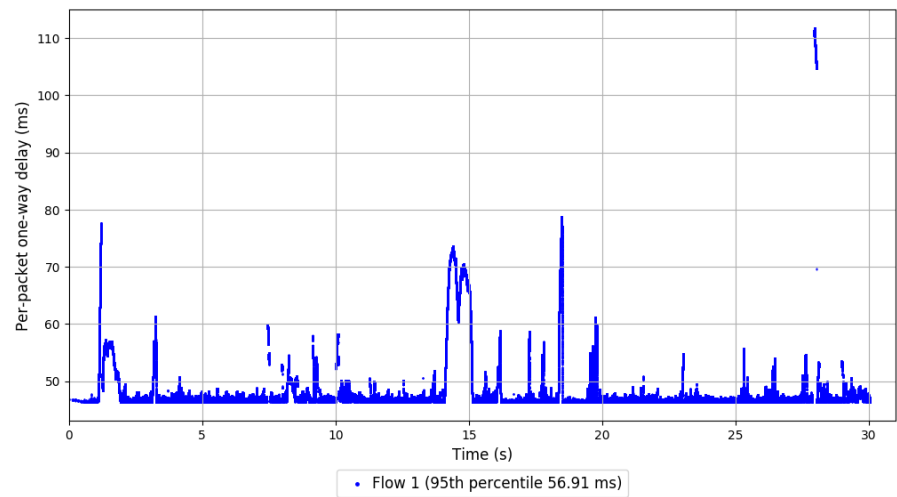
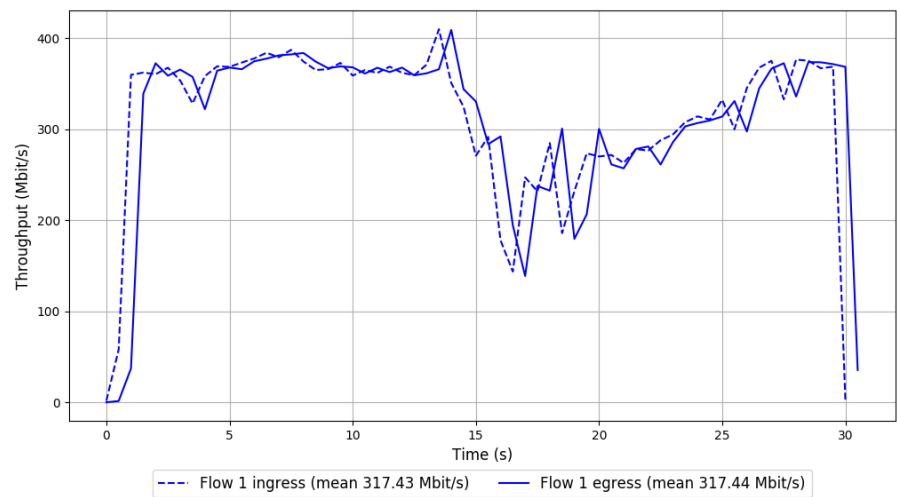
-- Flow 1:

Average throughput: 317.44 Mbit/s

95th percentile per-packet one-way delay: 56.906 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link

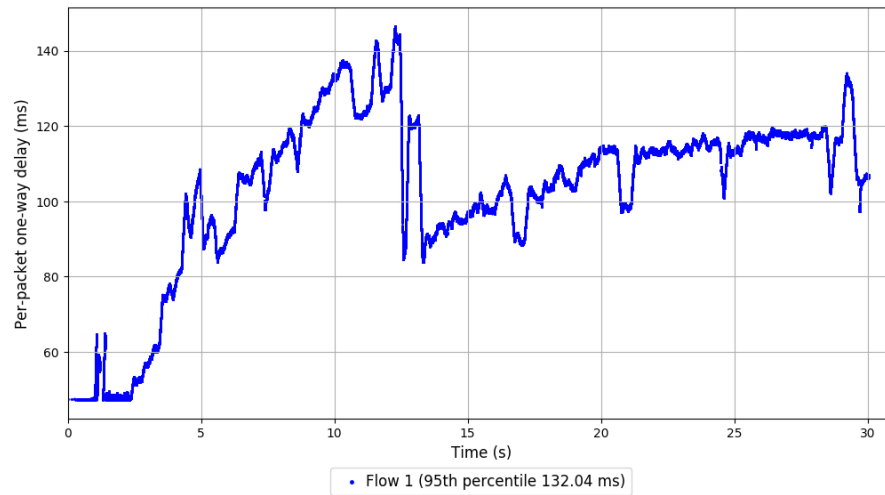
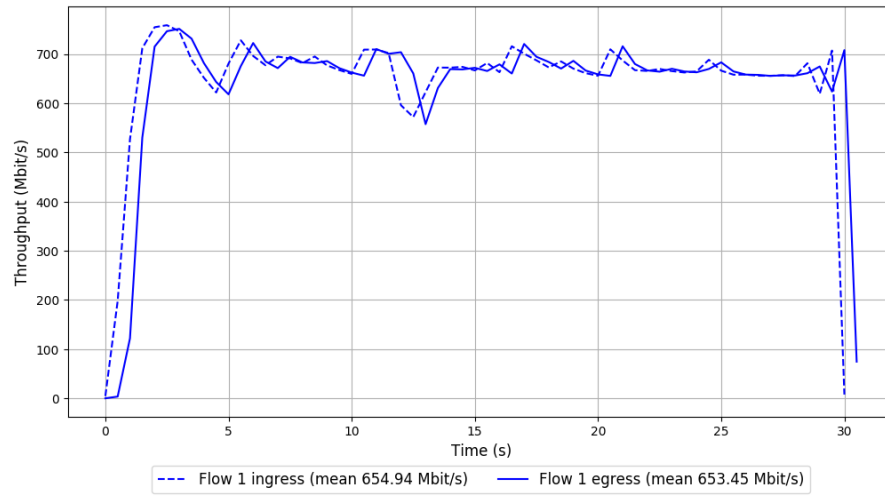


Run 1: Statistics of TCP Cubic

Start at: 2019-01-25 11:43:24
End at: 2019-01-25 11:43:54
Local clock offset: -0.035 ms
Remote clock offset: -0.197 ms

Below is generated by plot.py at 2019-01-25 14:45:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 653.45 Mbit/s
95th percentile per-packet one-way delay: 132.040 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 653.45 Mbit/s
95th percentile per-packet one-way delay: 132.040 ms
Loss rate: 0.23%

Run 1: Report of TCP Cubic — Data Link

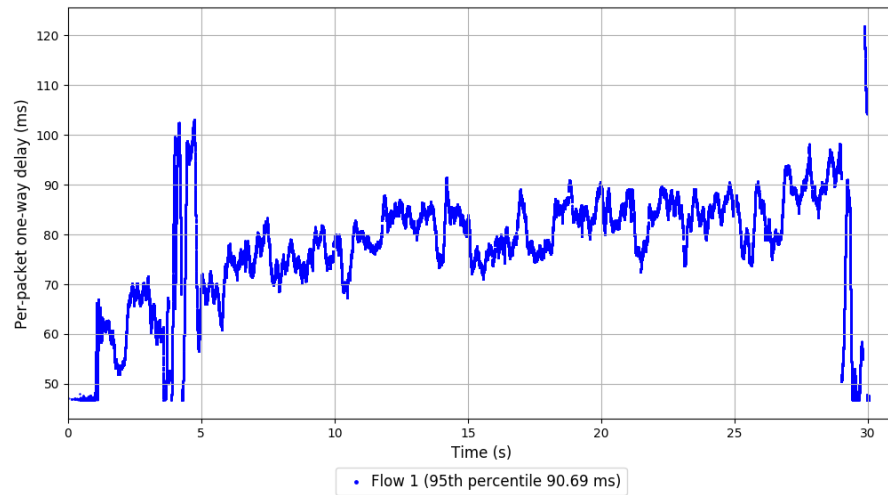
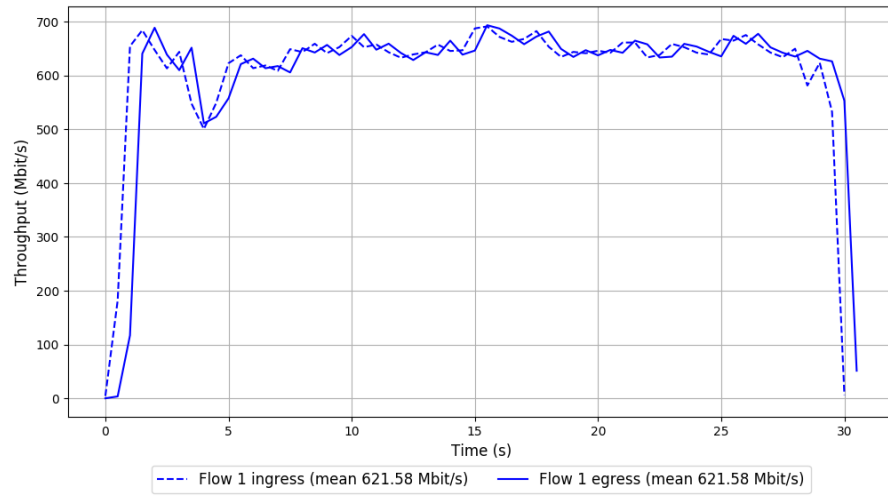


Run 2: Statistics of TCP Cubic

Start at: 2019-01-25 12:14:33
End at: 2019-01-25 12:15:03
Local clock offset: 0.265 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2019-01-25 14:45:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 621.58 Mbit/s
95th percentile per-packet one-way delay: 90.693 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 621.58 Mbit/s
95th percentile per-packet one-way delay: 90.693 ms
Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link

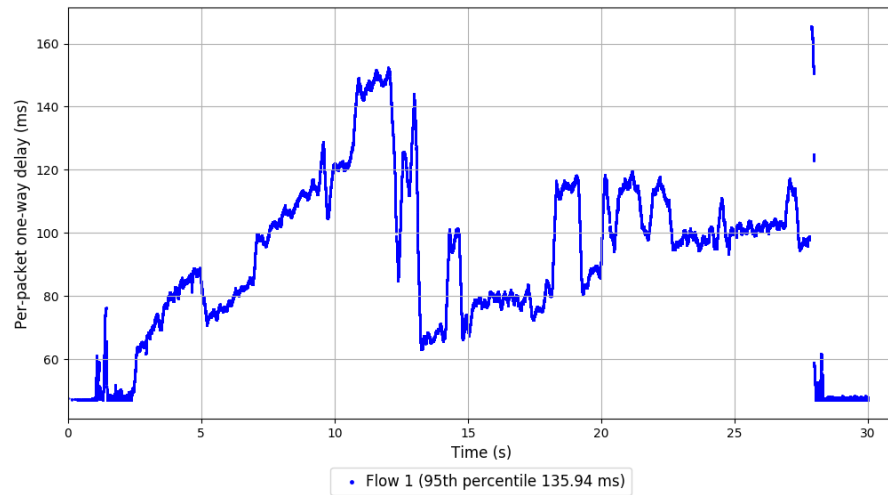
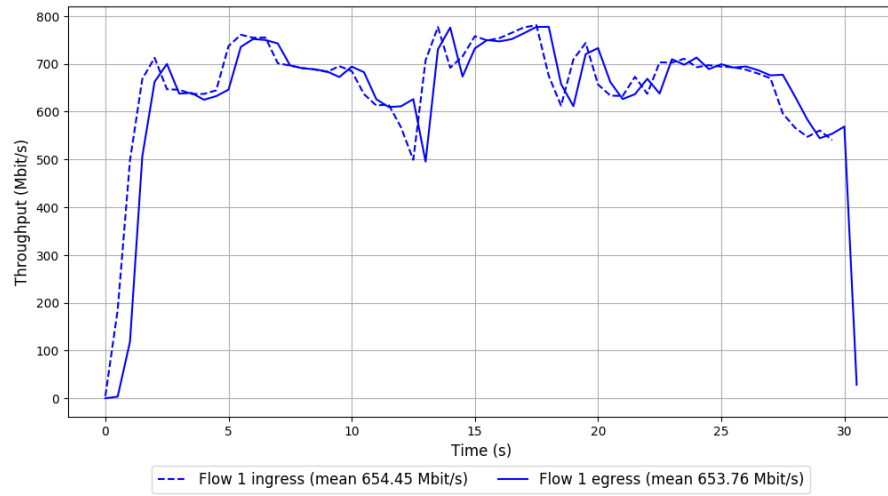


Run 3: Statistics of TCP Cubic

Start at: 2019-01-25 12:45:48
End at: 2019-01-25 12:46:18
Local clock offset: 0.053 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2019-01-25 14:45:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 653.76 Mbit/s
95th percentile per-packet one-way delay: 135.943 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 653.76 Mbit/s
95th percentile per-packet one-way delay: 135.943 ms
Loss rate: 0.11%

Run 3: Report of TCP Cubic — Data Link

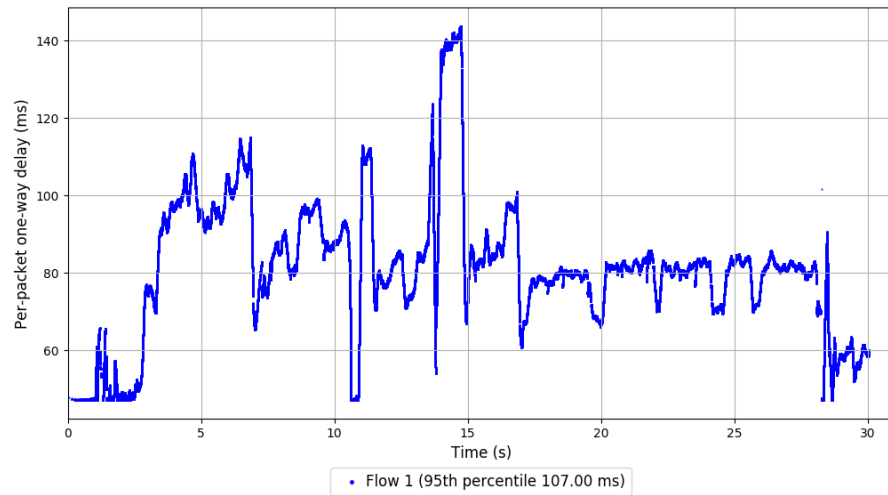
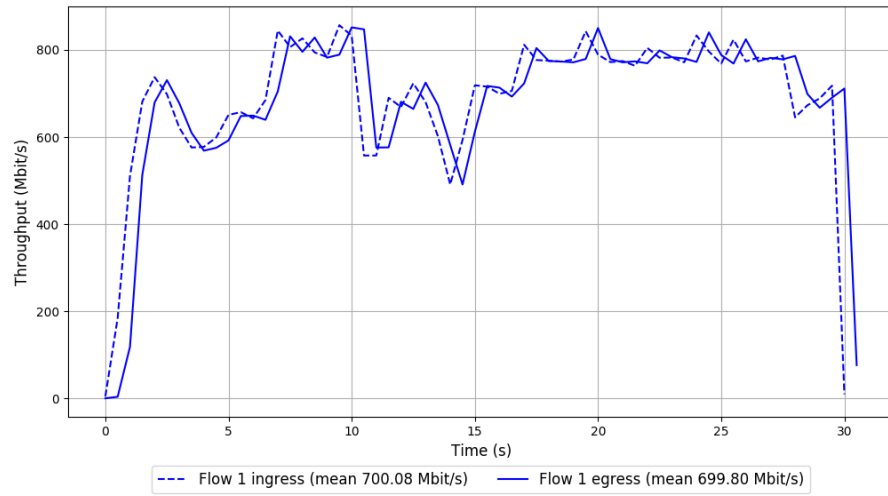


Run 4: Statistics of TCP Cubic

Start at: 2019-01-25 13:16:55
End at: 2019-01-25 13:17:25
Local clock offset: -0.053 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2019-01-25 14:46:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 699.80 Mbit/s
95th percentile per-packet one-way delay: 107.000 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 699.80 Mbit/s
95th percentile per-packet one-way delay: 107.000 ms
Loss rate: 0.04%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2019-01-25 13:48:09

End at: 2019-01-25 13:48:39

Local clock offset: -0.111 ms

Remote clock offset: 0.104 ms

Below is generated by plot.py at 2019-01-25 14:46:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 674.81 Mbit/s

95th percentile per-packet one-way delay: 120.480 ms

Loss rate: 0.04%

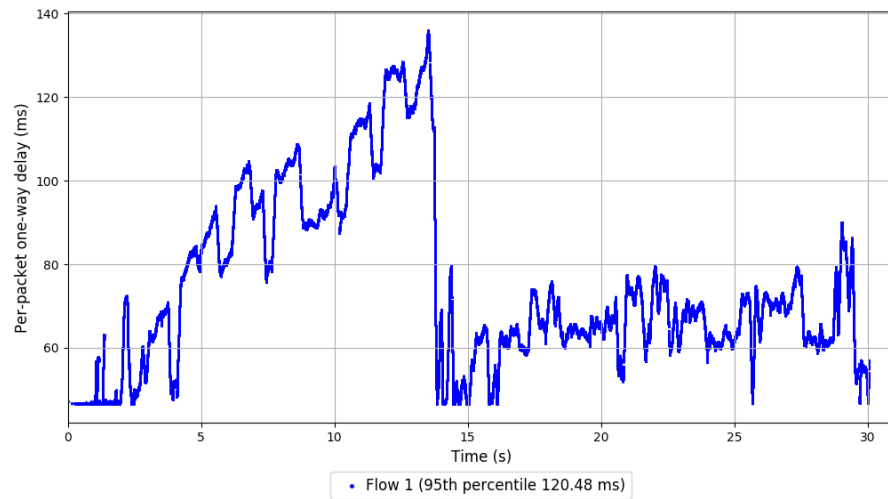
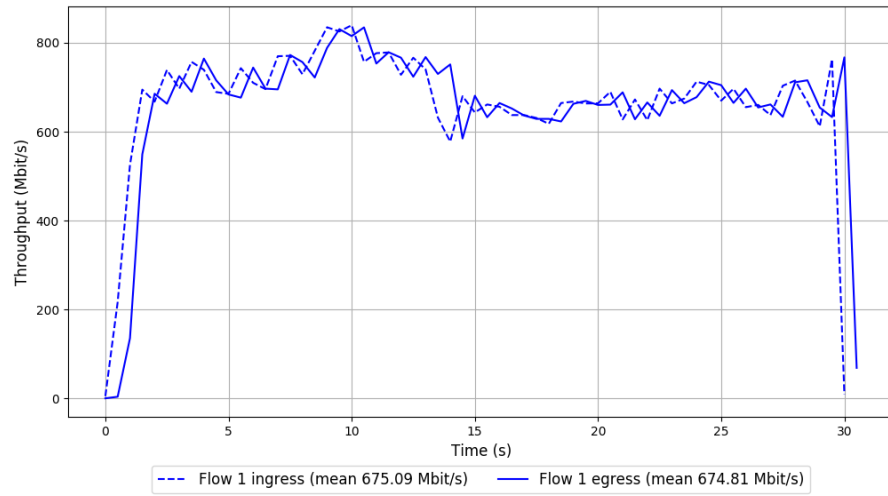
-- Flow 1:

Average throughput: 674.81 Mbit/s

95th percentile per-packet one-way delay: 120.480 ms

Loss rate: 0.04%

Run 5: Report of TCP Cubic — Data Link

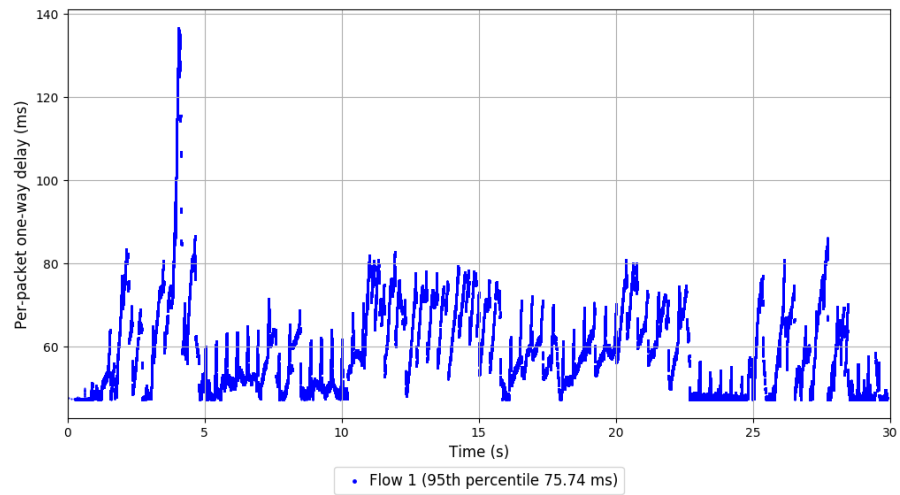
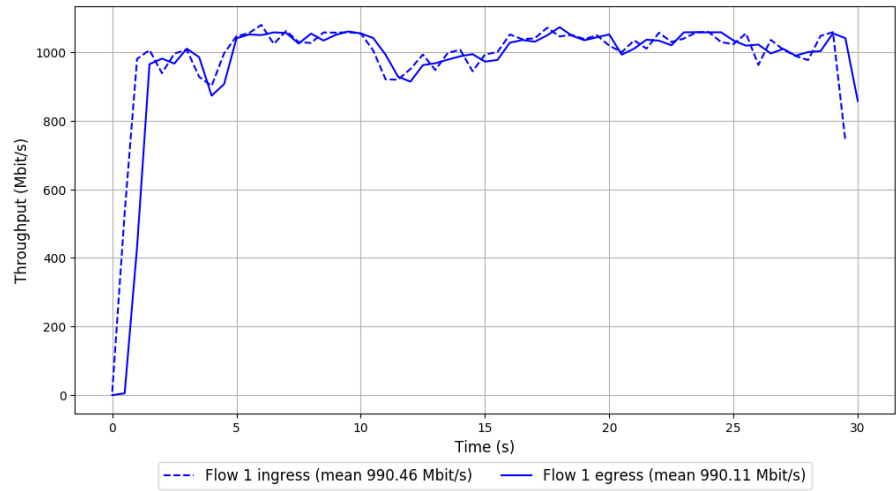


Run 1: Statistics of FillP

Start at: 2019-01-25 11:50:54
End at: 2019-01-25 11:51:24
Local clock offset: 0.009 ms
Remote clock offset: -0.131 ms

Below is generated by plot.py at 2019-01-25 14:52:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 990.11 Mbit/s
95th percentile per-packet one-way delay: 75.744 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 990.11 Mbit/s
95th percentile per-packet one-way delay: 75.744 ms
Loss rate: 0.04%

Run 1: Report of FillP — Data Link

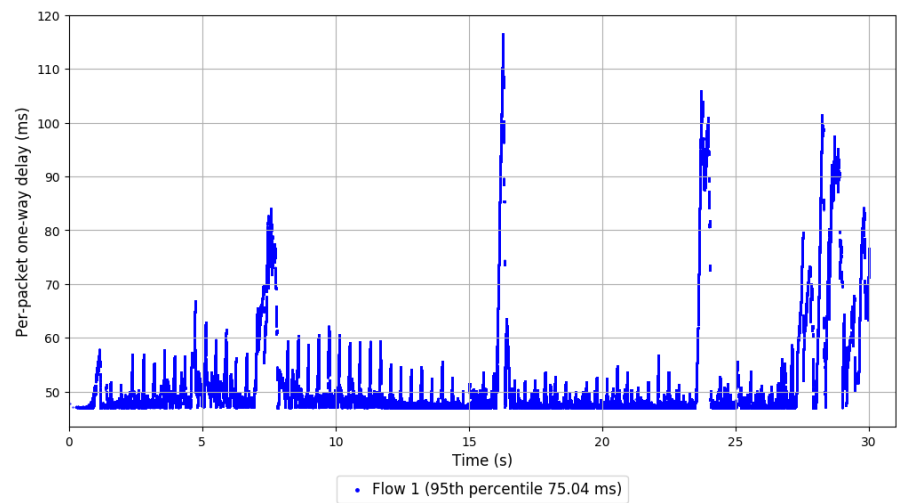
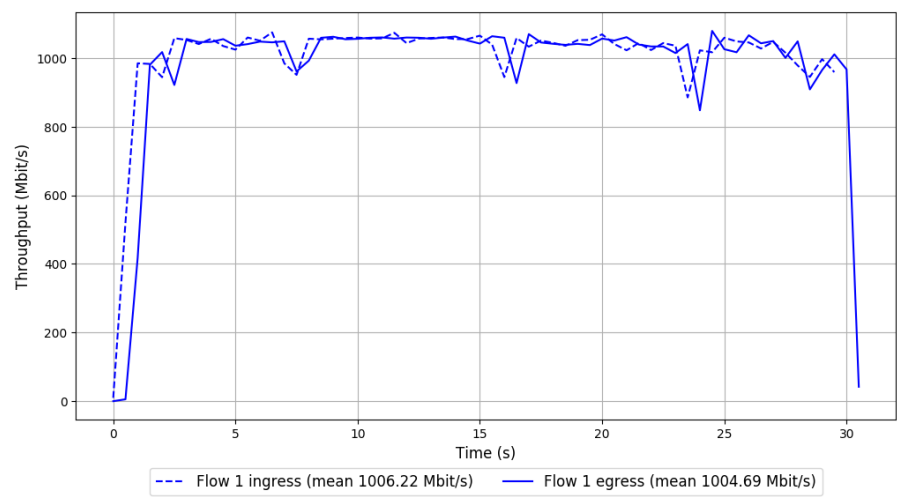


Run 2: Statistics of FillP

Start at: 2019-01-25 12:22:00
End at: 2019-01-25 12:22:30
Local clock offset: -0.004 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2019-01-25 15:05:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 1004.69 Mbit/s
95th percentile per-packet one-way delay: 75.039 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 1004.69 Mbit/s
95th percentile per-packet one-way delay: 75.039 ms
Loss rate: 0.15%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2019-01-25 12:53:16

End at: 2019-01-25 12:53:46

Local clock offset: -0.477 ms

Remote clock offset: 0.075 ms

Below is generated by plot.py at 2019-01-25 15:05:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 975.17 Mbit/s

95th percentile per-packet one-way delay: 79.134 ms

Loss rate: 0.16%

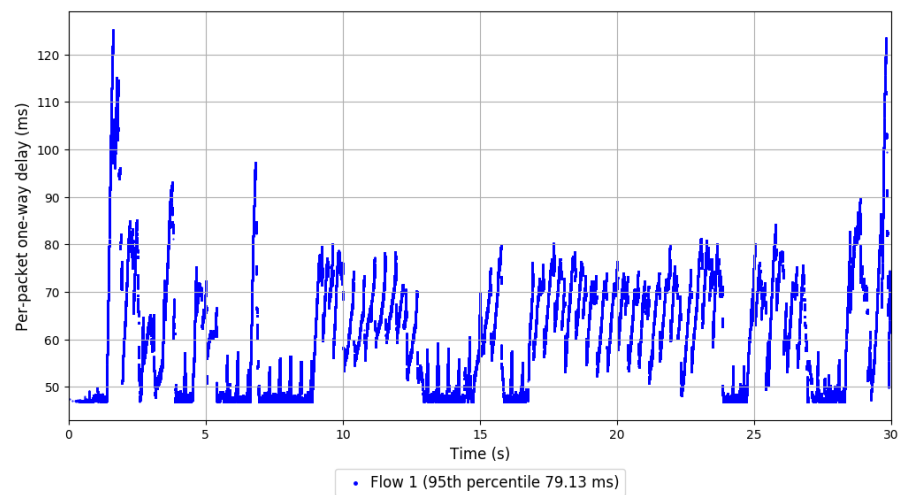
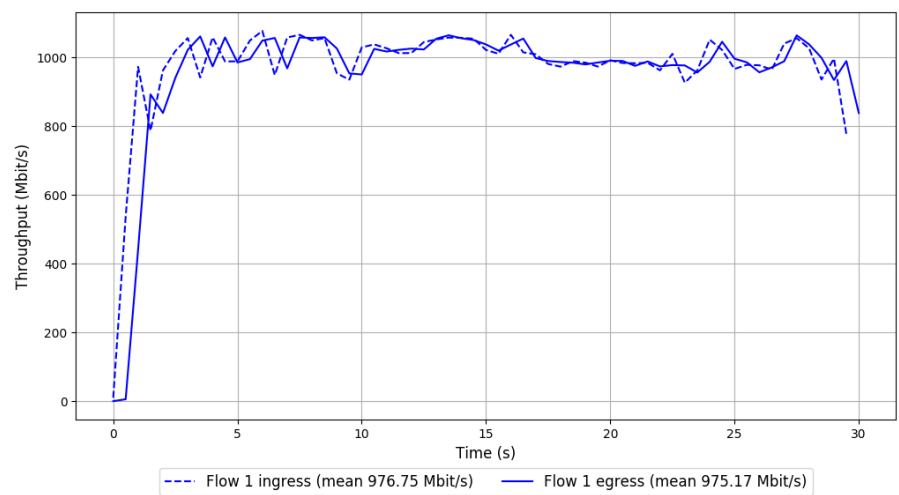
-- Flow 1:

Average throughput: 975.17 Mbit/s

95th percentile per-packet one-way delay: 79.134 ms

Loss rate: 0.16%

Run 3: Report of FillP — Data Link

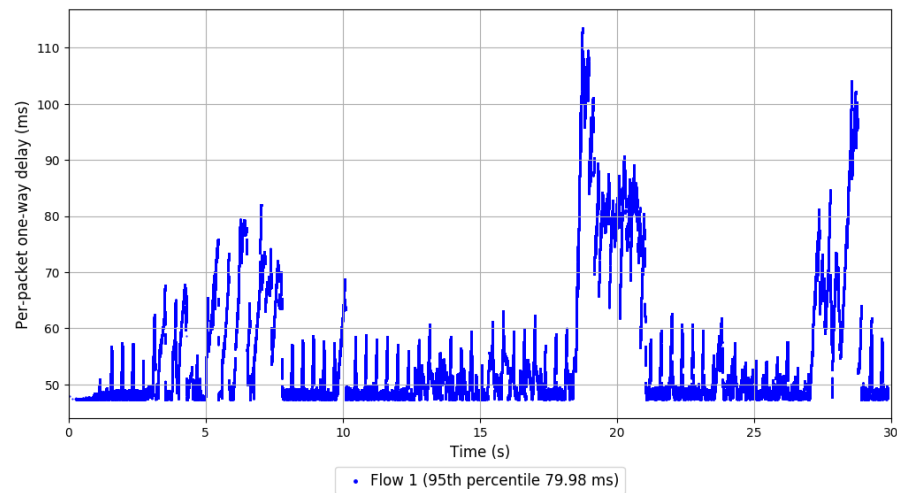
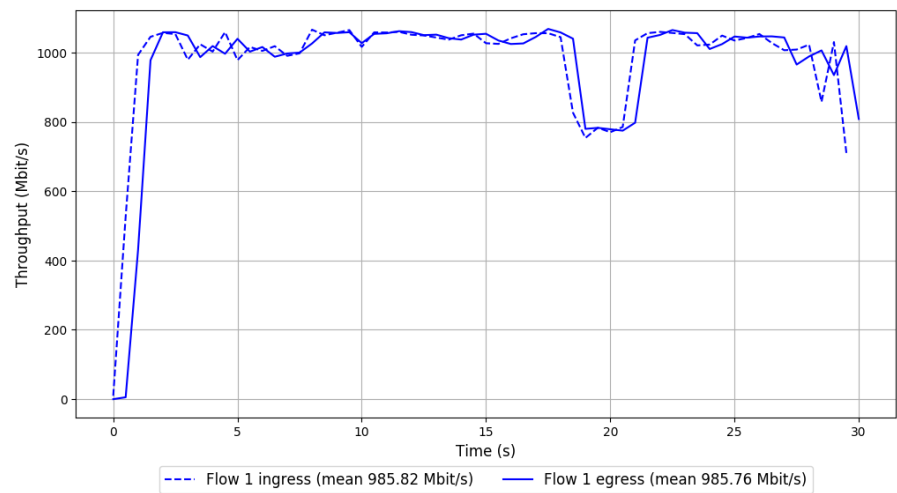


Run 4: Statistics of FillP

Start at: 2019-01-25 13:24:31
End at: 2019-01-25 13:25:01
Local clock offset: -0.027 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2019-01-25 15:05:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 985.76 Mbit/s
95th percentile per-packet one-way delay: 79.982 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 985.76 Mbit/s
95th percentile per-packet one-way delay: 79.982 ms
Loss rate: 0.01%

Run 4: Report of FillP — Data Link

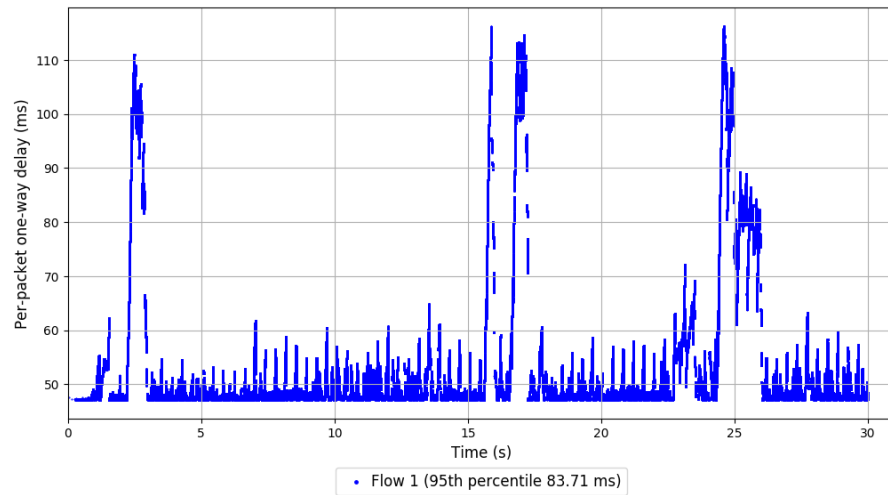
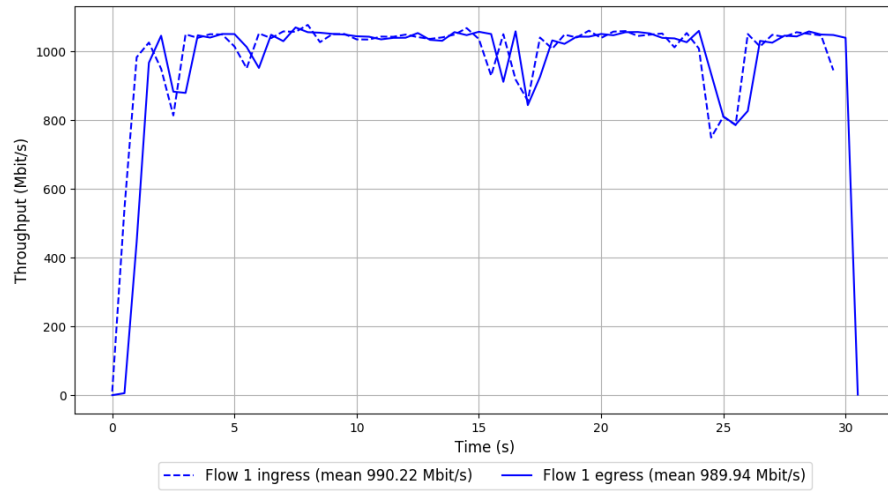


Run 5: Statistics of FillP

Start at: 2019-01-25 13:55:37
End at: 2019-01-25 13:56:07
Local clock offset: -0.122 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2019-01-25 15:06:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 989.94 Mbit/s
95th percentile per-packet one-way delay: 83.714 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 989.94 Mbit/s
95th percentile per-packet one-way delay: 83.714 ms
Loss rate: 0.03%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-01-25 11:34:29

End at: 2019-01-25 11:34:59

Local clock offset: 0.009 ms

Remote clock offset: -0.15 ms

Below is generated by plot.py at 2019-01-25 15:06:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 911.70 Mbit/s

95th percentile per-packet one-way delay: 64.532 ms

Loss rate: 0.01%

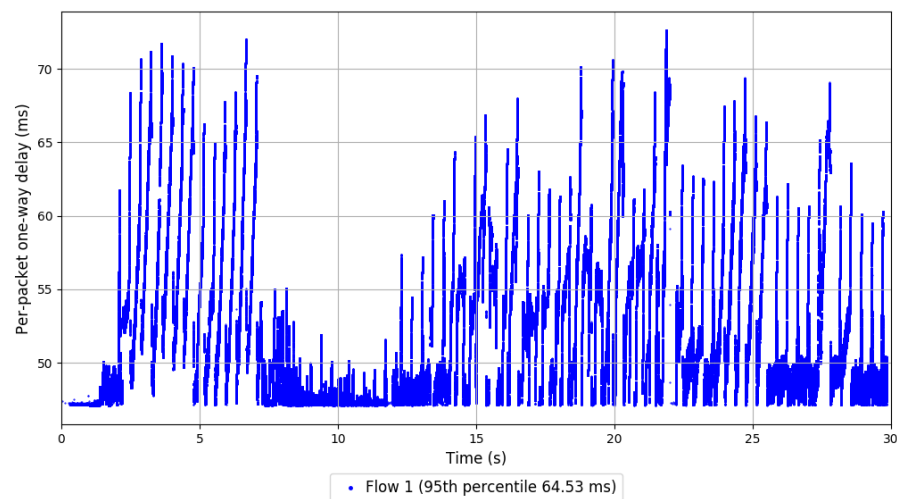
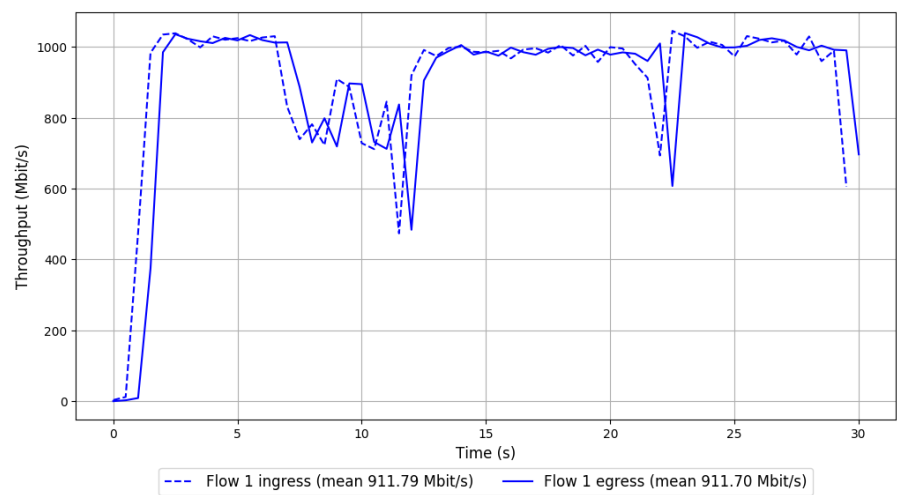
-- Flow 1:

Average throughput: 911.70 Mbit/s

95th percentile per-packet one-way delay: 64.532 ms

Loss rate: 0.01%

Run 1: Report of FillP-Sheep — Data Link

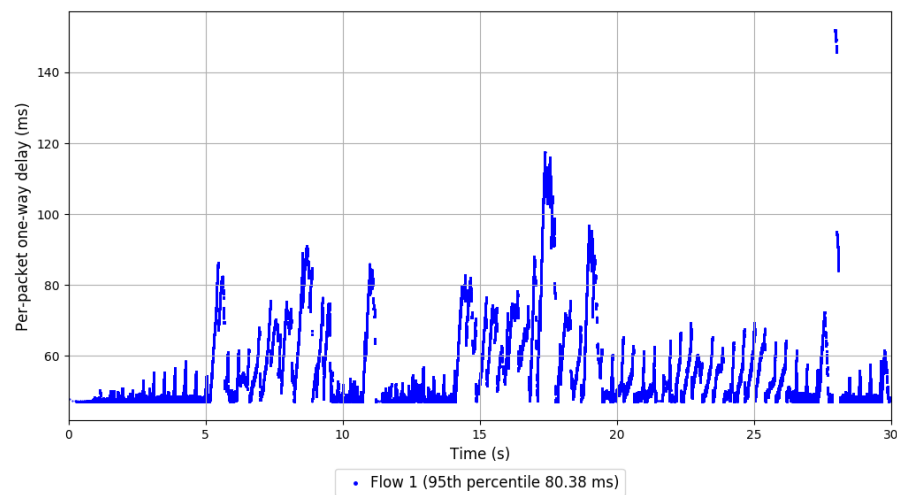
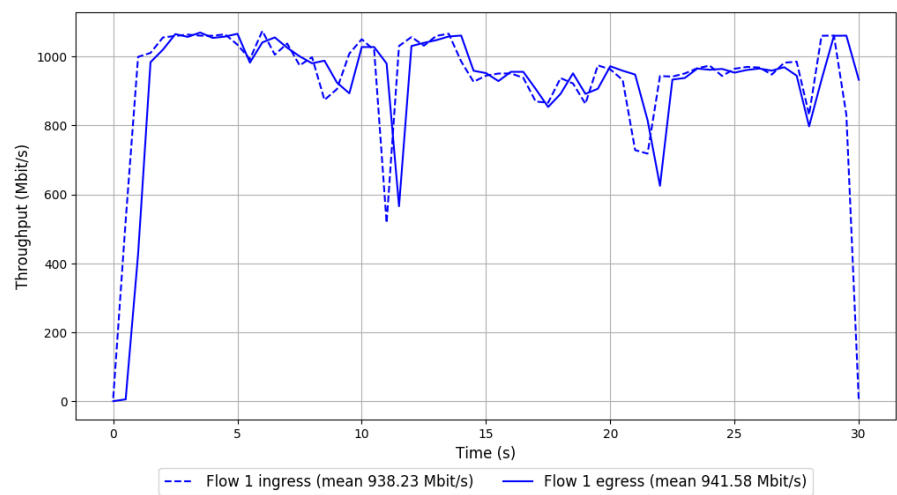


Run 2: Statistics of FillP-Sheep

Start at: 2019-01-25 12:05:36
End at: 2019-01-25 12:06:06
Local clock offset: -0.083 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2019-01-25 15:06:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 941.58 Mbit/s
95th percentile per-packet one-way delay: 80.383 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 941.58 Mbit/s
95th percentile per-packet one-way delay: 80.383 ms
Loss rate: 0.23%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2019-01-25 12:36:50

End at: 2019-01-25 12:37:20

Local clock offset: 0.257 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2019-01-25 15:06:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 864.81 Mbit/s

95th percentile per-packet one-way delay: 91.377 ms

Loss rate: 0.11%

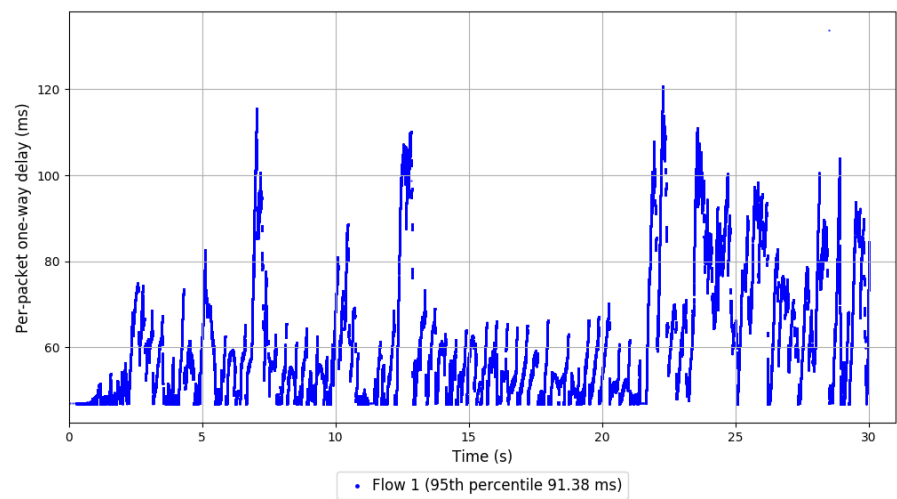
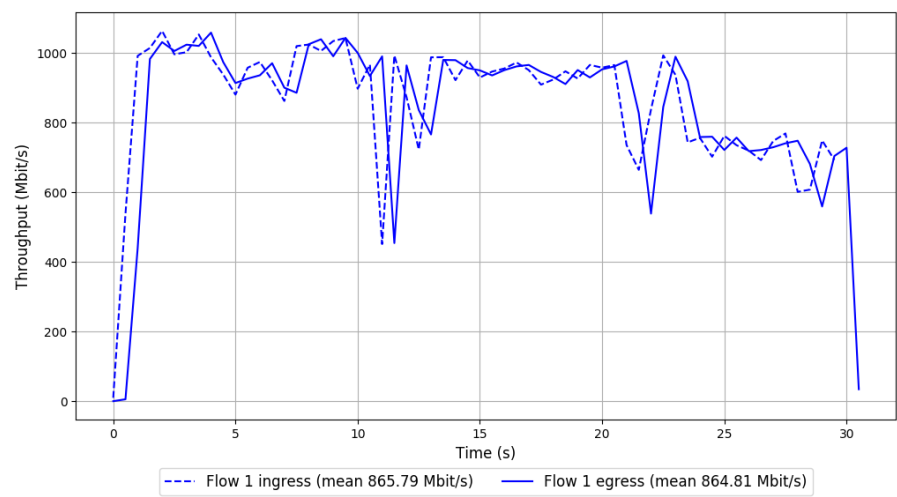
-- Flow 1:

Average throughput: 864.81 Mbit/s

95th percentile per-packet one-way delay: 91.377 ms

Loss rate: 0.11%

Run 3: Report of FillP-Sheep — Data Link

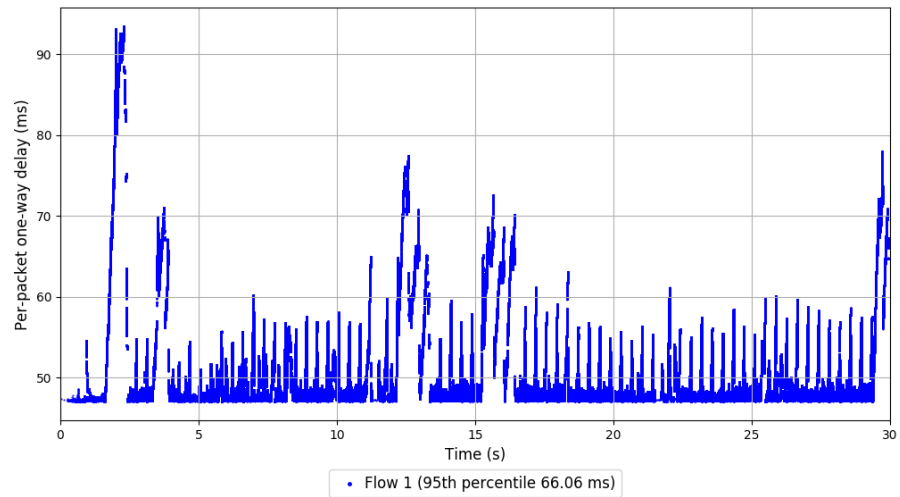
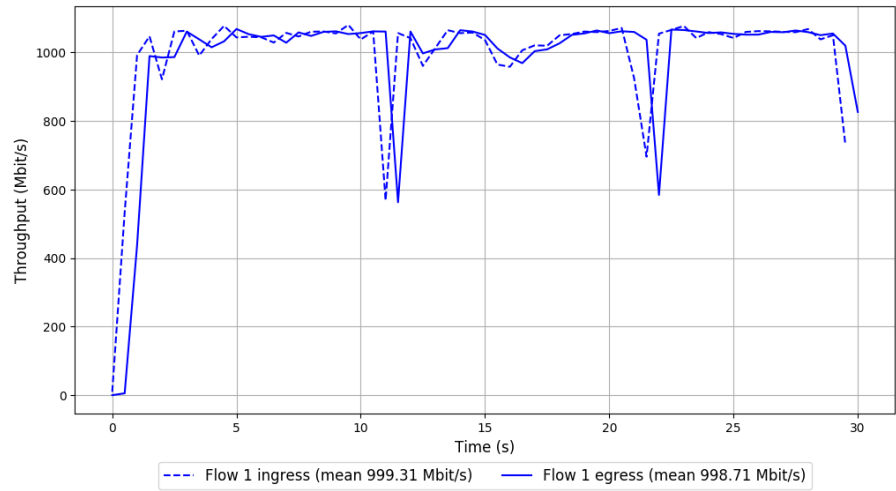


Run 4: Statistics of FillP-Sheep

Start at: 2019-01-25 13:07:57
End at: 2019-01-25 13:08:27
Local clock offset: -0.051 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2019-01-25 15:15:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 998.71 Mbit/s
95th percentile per-packet one-way delay: 66.057 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 998.71 Mbit/s
95th percentile per-packet one-way delay: 66.057 ms
Loss rate: 0.06%

Run 4: Report of FillP-Sheep — Data Link

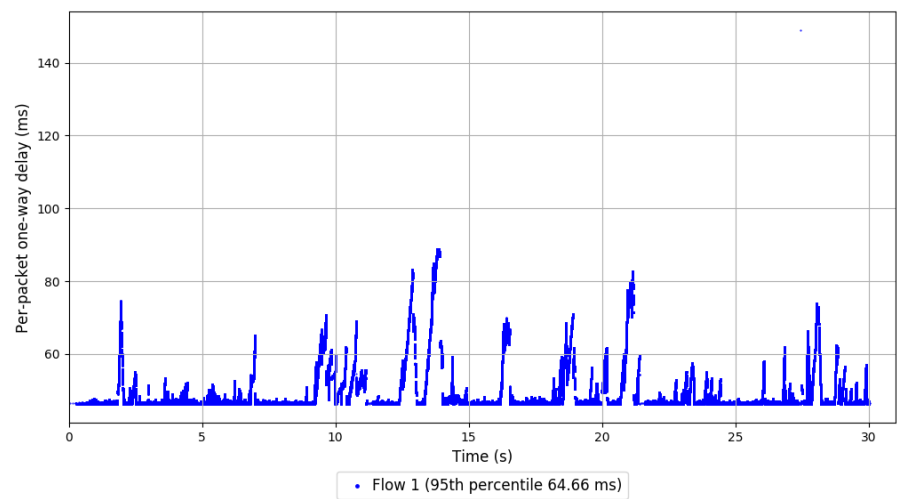
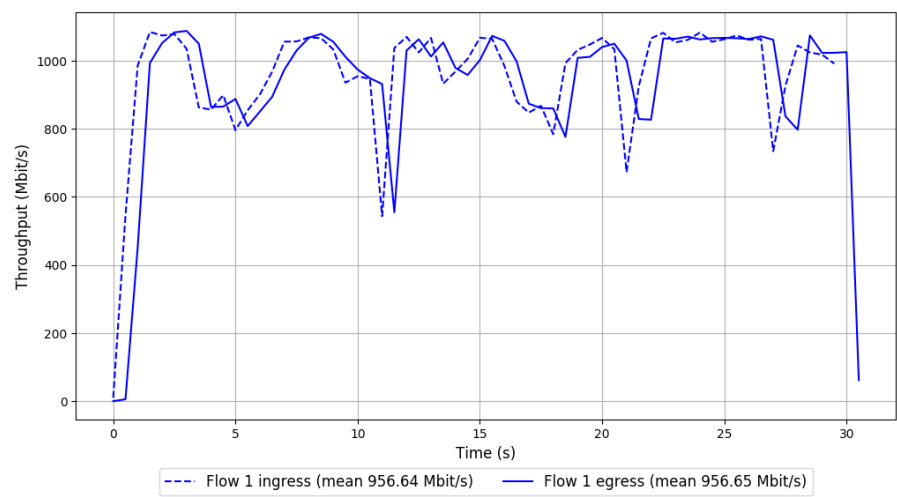


Run 5: Statistics of FillP-Sheep

Start at: 2019-01-25 13:39:11
End at: 2019-01-25 13:39:41
Local clock offset: 0.298 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2019-01-25 15:26:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 956.65 Mbit/s
95th percentile per-packet one-way delay: 64.660 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 956.65 Mbit/s
95th percentile per-packet one-way delay: 64.660 ms
Loss rate: 0.00%

Run 5: Report of FillP-Sheep — Data Link

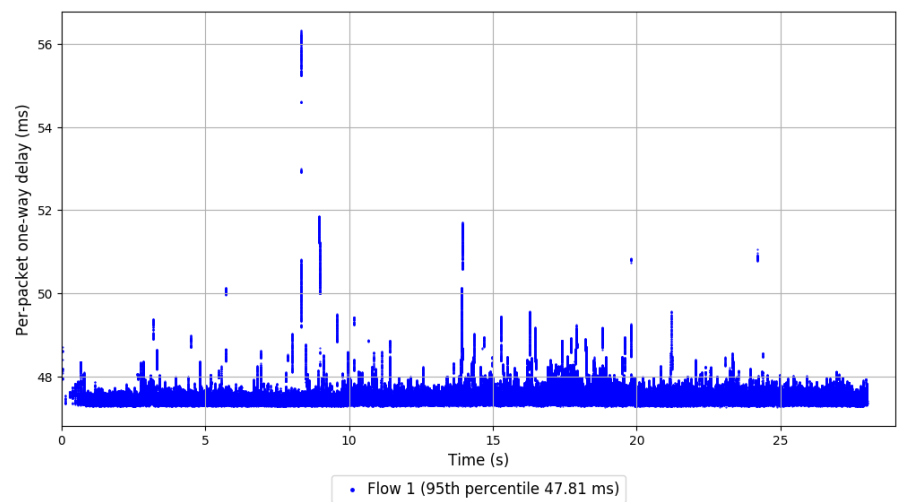
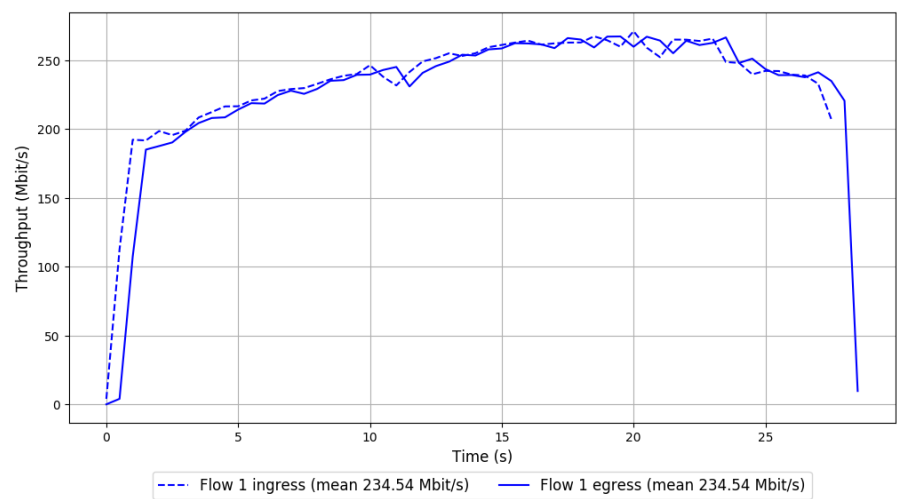


```
Run 1: Statistics of Indigo

Start at: 2019-01-25 11:56:33
End at: 2019-01-25 11:57:03
Local clock offset: -0.032 ms
Remote clock offset: 0.029 ms

# Below is generated by plot.py at 2019-01-25 15:26:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 234.54 Mbit/s
95th percentile per-packet one-way delay: 47.810 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 234.54 Mbit/s
95th percentile per-packet one-way delay: 47.810 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link

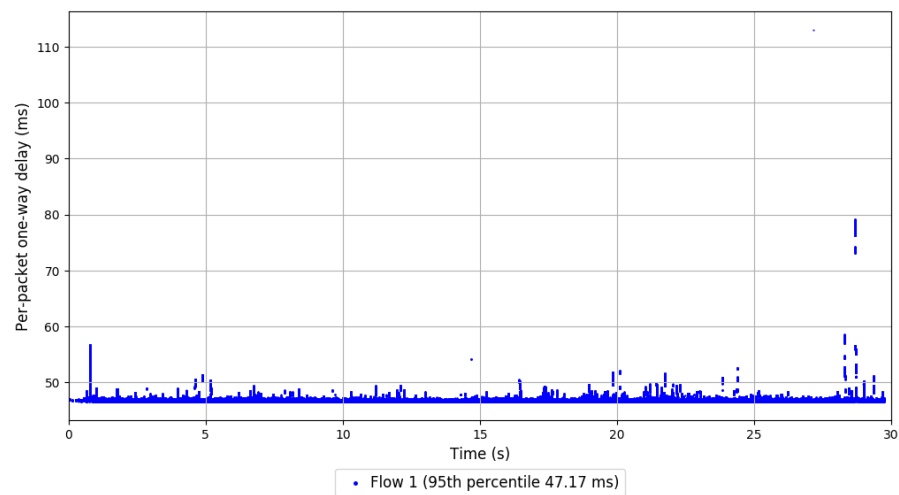
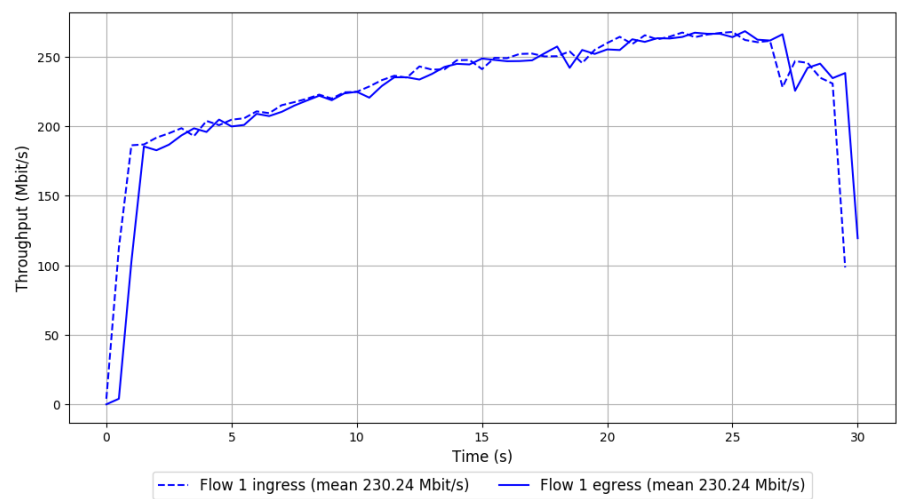


Run 2: Statistics of Indigo

Start at: 2019-01-25 12:27:49
End at: 2019-01-25 12:28:19
Local clock offset: -0.079 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2019-01-25 15:26:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 230.24 Mbit/s
95th percentile per-packet one-way delay: 47.167 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 230.24 Mbit/s
95th percentile per-packet one-way delay: 47.167 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2019-01-25 12:58:57

End at: 2019-01-25 12:59:27

Local clock offset: -0.122 ms

Remote clock offset: 0.073 ms

Below is generated by plot.py at 2019-01-25 15:26:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 232.61 Mbit/s

95th percentile per-packet one-way delay: 47.912 ms

Loss rate: 0.00%

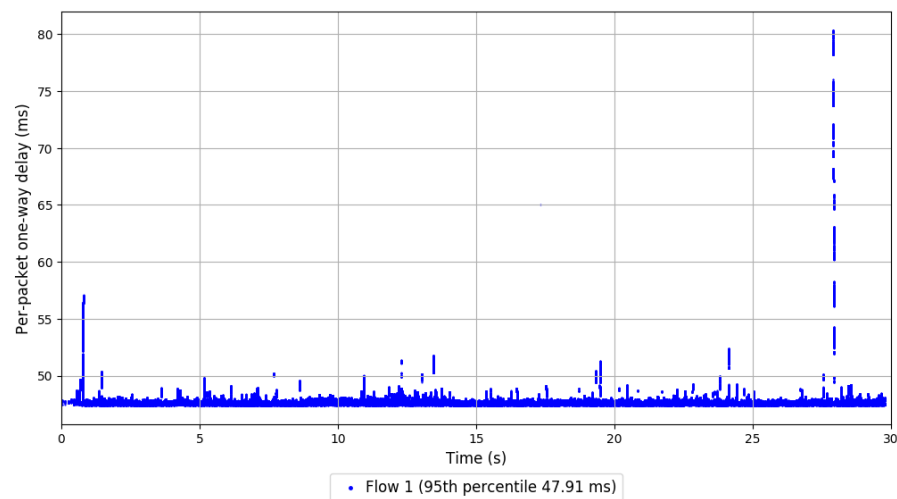
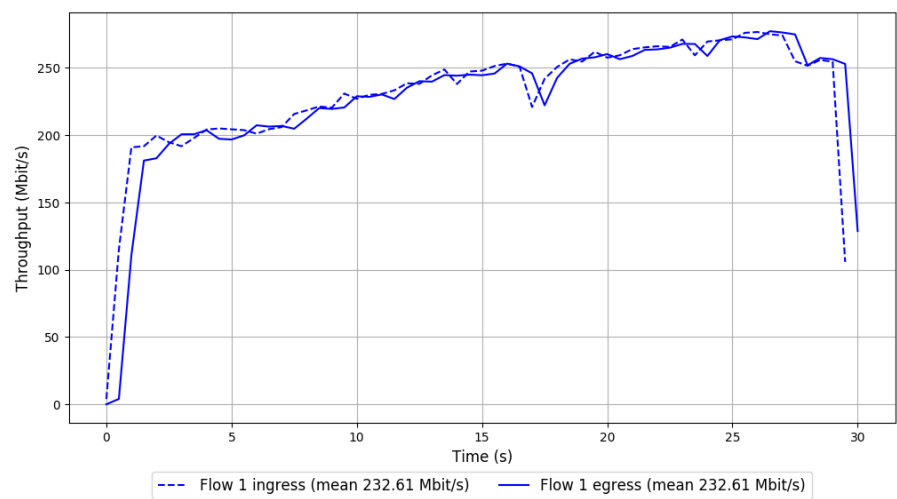
-- Flow 1:

Average throughput: 232.61 Mbit/s

95th percentile per-packet one-way delay: 47.912 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

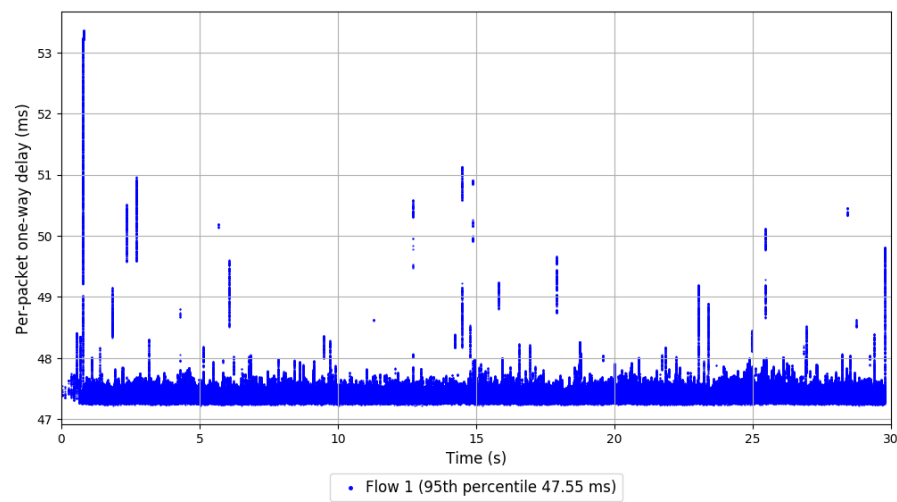
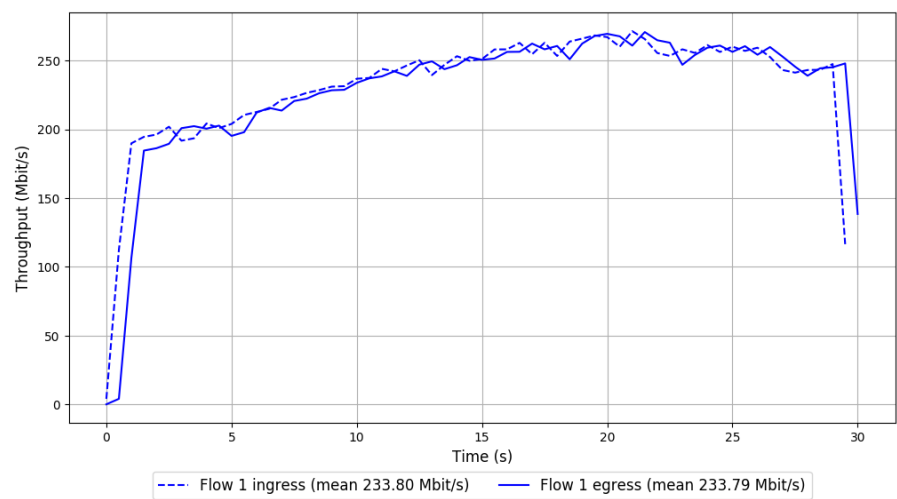


Run 4: Statistics of Indigo

Start at: 2019-01-25 13:30:11
End at: 2019-01-25 13:30:41
Local clock offset: -0.047 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2019-01-25 15:26:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 233.79 Mbit/s
95th percentile per-packet one-way delay: 47.548 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 233.79 Mbit/s
95th percentile per-packet one-way delay: 47.548 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-01-25 14:01:22

End at: 2019-01-25 14:01:52

Local clock offset: -0.04 ms

Remote clock offset: -0.018 ms

Below is generated by plot.py at 2019-01-25 15:26:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 232.59 Mbit/s

95th percentile per-packet one-way delay: 48.232 ms

Loss rate: 0.00%

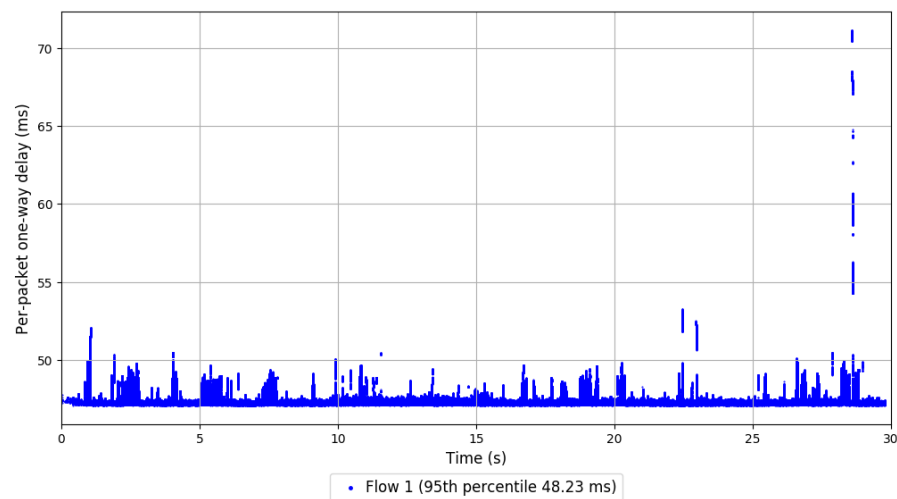
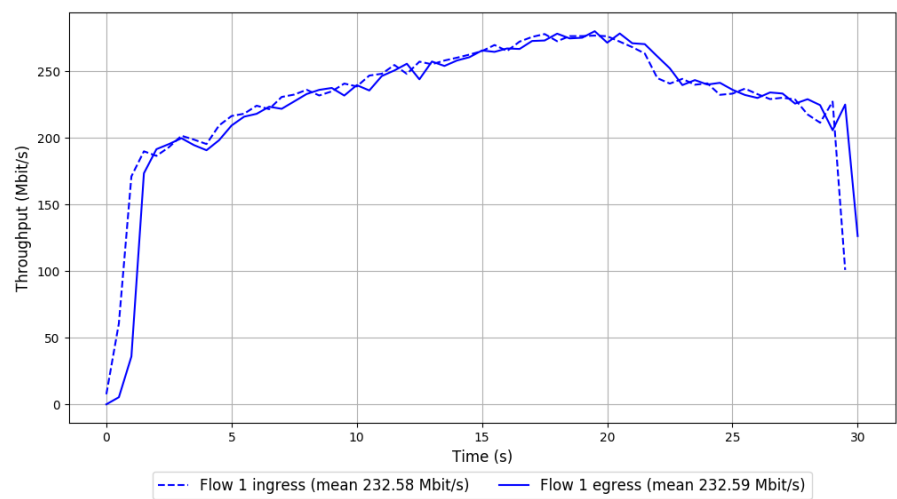
-- Flow 1:

Average throughput: 232.59 Mbit/s

95th percentile per-packet one-way delay: 48.232 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

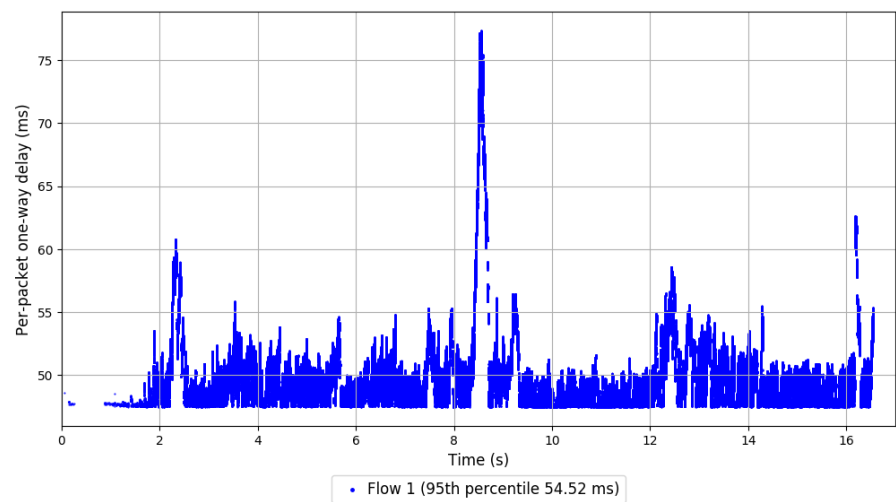
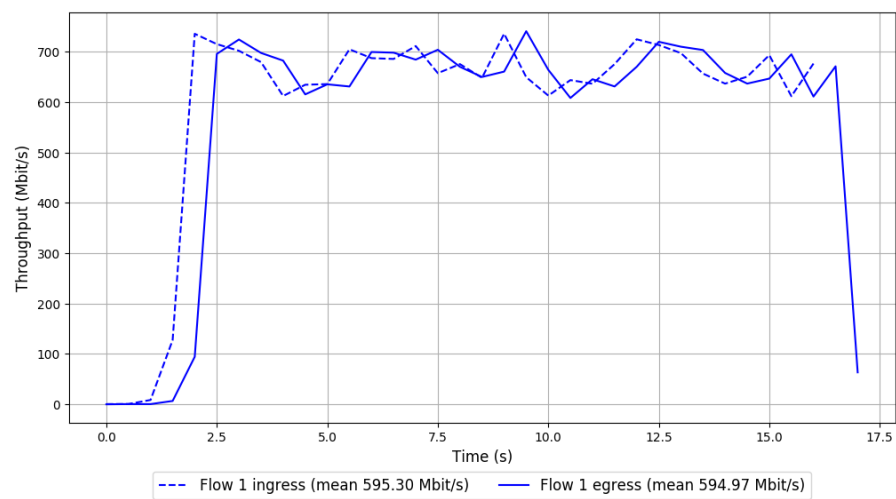
Start at: 2019-01-25 11:40:24

End at: 2019-01-25 11:40:54

Local clock offset: 0.009 ms

Remote clock offset: -0.111 ms

Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2019-01-25 12:11:27

End at: 2019-01-25 12:11:57

Local clock offset: -0.053 ms

Remote clock offset: 0.092 ms

Below is generated by plot.py at 2019-01-25 15:26:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 608.98 Mbit/s

95th percentile per-packet one-way delay: 64.418 ms

Loss rate: 0.10%

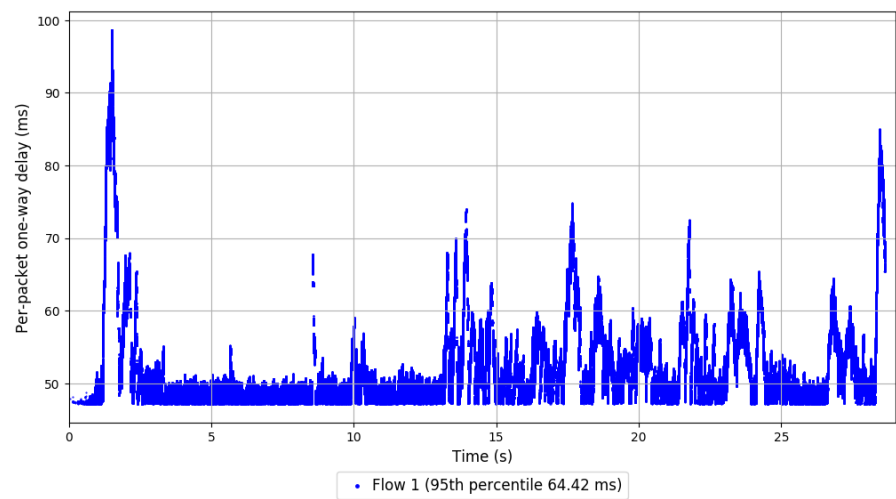
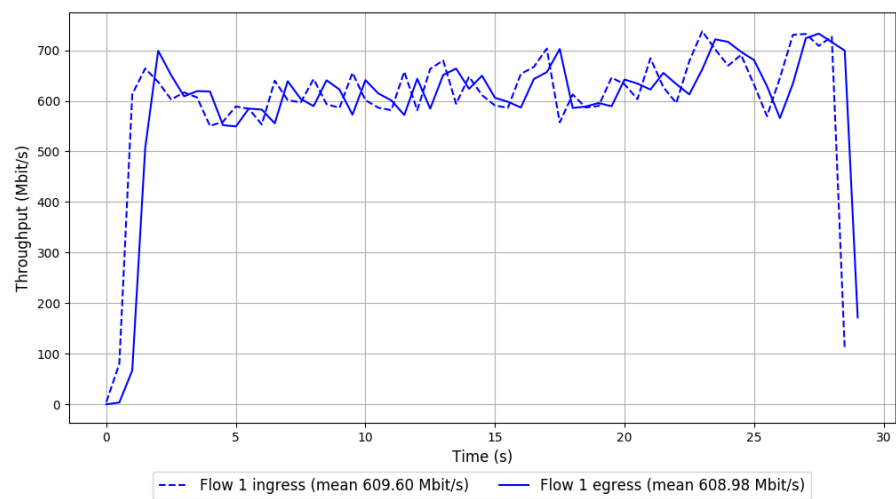
-- Flow 1:

Average throughput: 608.98 Mbit/s

95th percentile per-packet one-way delay: 64.418 ms

Loss rate: 0.10%

Run 2: Report of Indigo-MusesC3 — Data Link

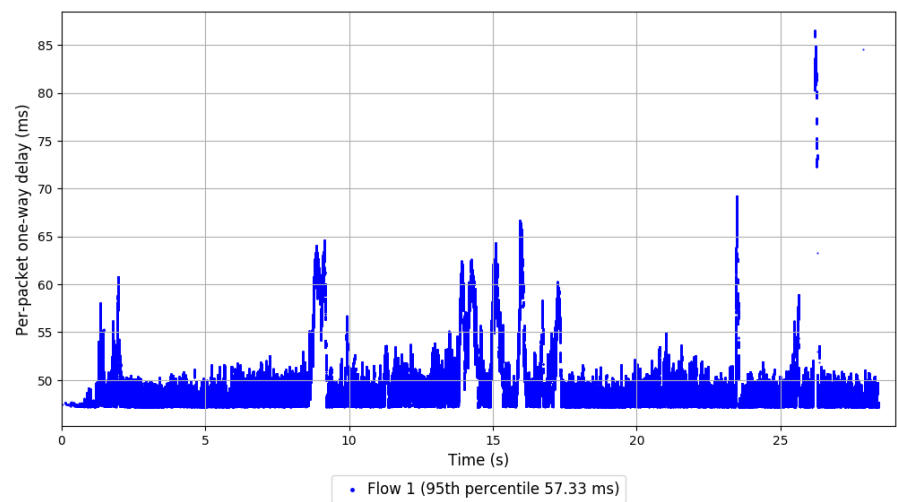
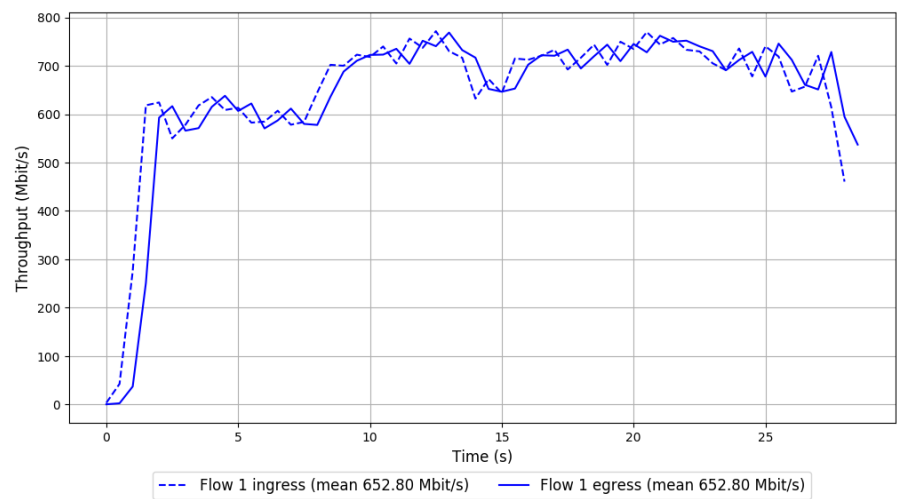


Run 3: Statistics of Indigo-MusesC3

Start at: 2019-01-25 12:42:36
End at: 2019-01-25 12:43:06
Local clock offset: -0.125 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2019-01-25 15:26:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 652.80 Mbit/s
95th percentile per-packet one-way delay: 57.330 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 652.80 Mbit/s
95th percentile per-packet one-way delay: 57.330 ms
Loss rate: 0.00%

Run 3: Report of Indigo-MusesC3 — Data Link

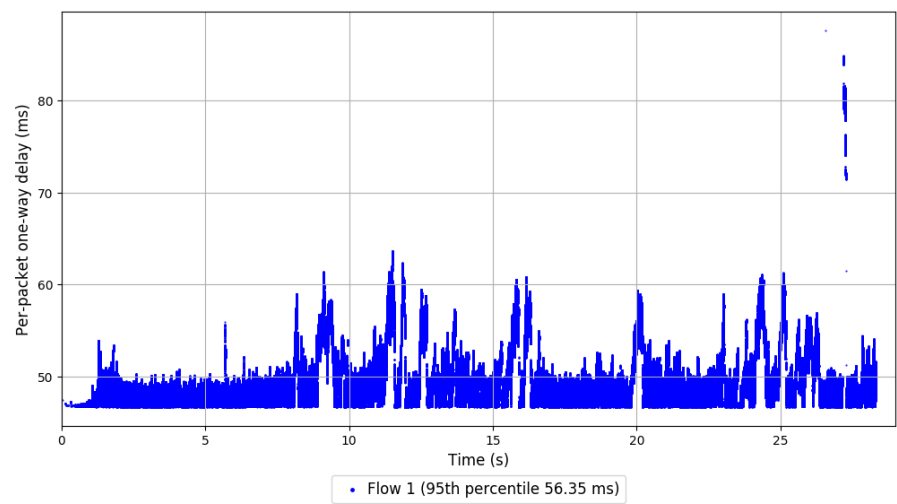
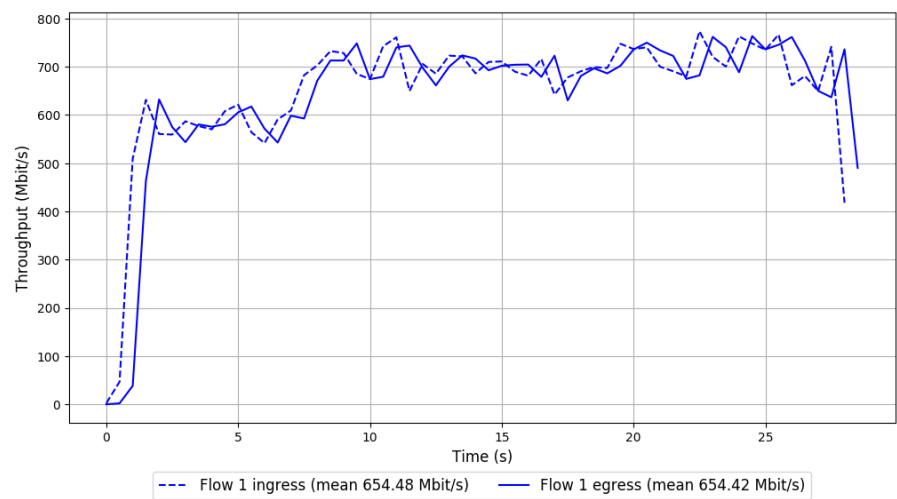


Run 4: Statistics of Indigo-MusesC3

Start at: 2019-01-25 13:13:42
End at: 2019-01-25 13:14:12
Local clock offset: -0.075 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2019-01-25 15:26:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 654.42 Mbit/s
95th percentile per-packet one-way delay: 56.355 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 654.42 Mbit/s
95th percentile per-packet one-way delay: 56.355 ms
Loss rate: 0.01%

Run 4: Report of Indigo-MusesC3 — Data Link

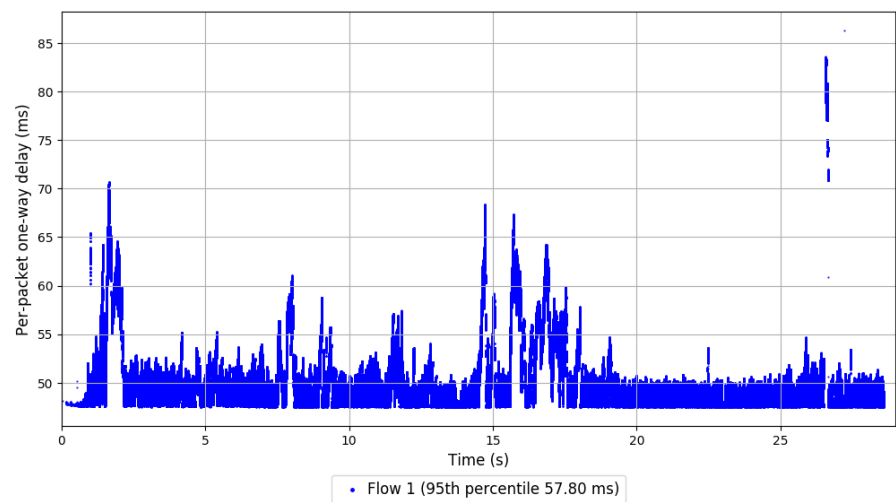
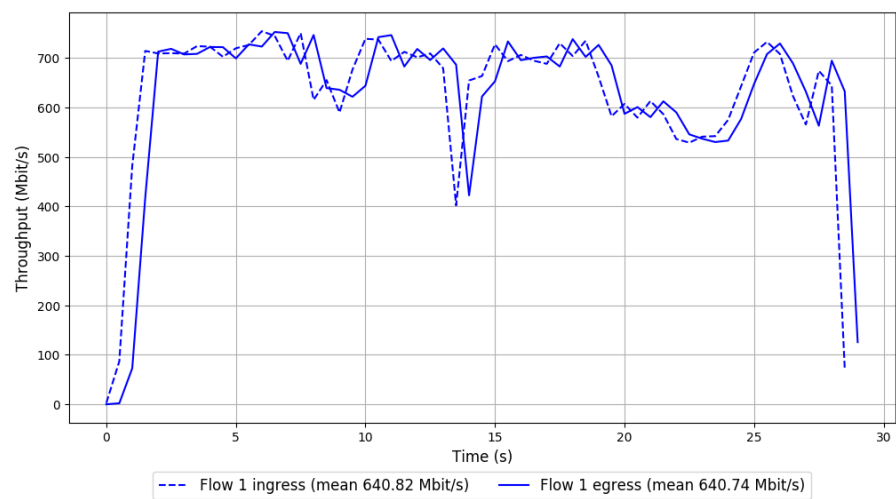


Run 5: Statistics of Indigo-MusesC3

Start at: 2019-01-25 13:44:58
End at: 2019-01-25 13:45:28
Local clock offset: -0.081 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2019-01-25 15:26:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 640.74 Mbit/s
95th percentile per-packet one-way delay: 57.803 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 640.74 Mbit/s
95th percentile per-packet one-way delay: 57.803 ms
Loss rate: 0.02%

Run 5: Report of Indigo-MusesC3 — Data Link

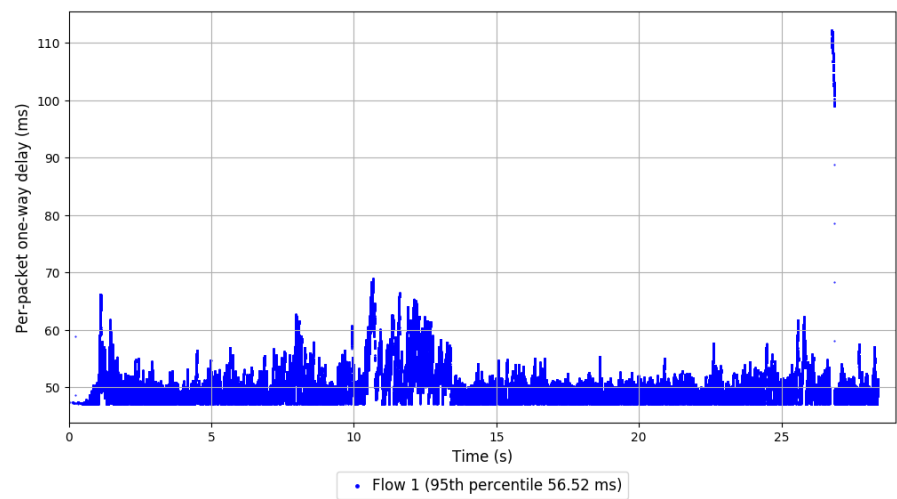
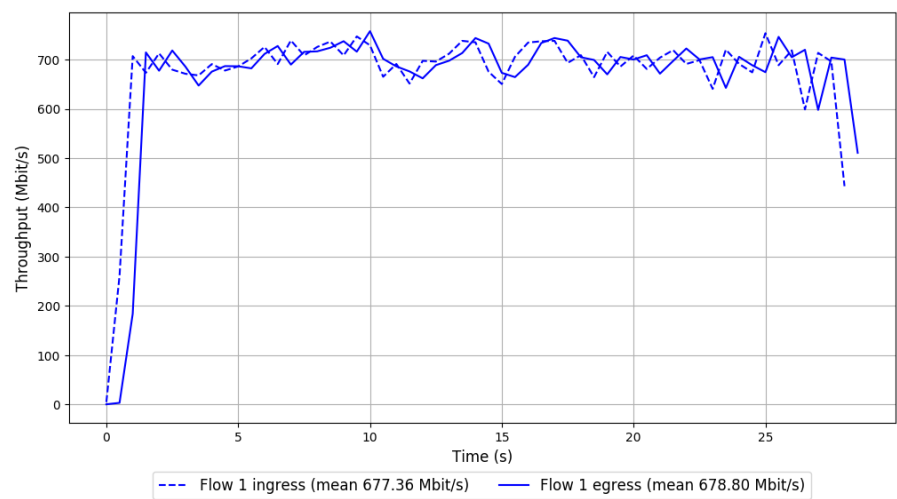


Run 1: Statistics of Indigo-MusesC5

Start at: 2019-01-25 11:45:03
End at: 2019-01-25 11:45:33
Local clock offset: 0.008 ms
Remote clock offset: -0.153 ms

Below is generated by plot.py at 2019-01-25 15:26:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 678.80 Mbit/s
95th percentile per-packet one-way delay: 56.523 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 678.80 Mbit/s
95th percentile per-packet one-way delay: 56.523 ms
Loss rate: 0.00%

Run 1: Report of Indigo-MusesC5 — Data Link



Run 2: Statistics of Indigo-MusesC5

Start at: 2019-01-25 12:16:10

End at: 2019-01-25 12:16:40

Local clock offset: 0.282 ms

Remote clock offset: 0.04 ms

Below is generated by plot.py at 2019-01-25 15:26:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 682.31 Mbit/s

95th percentile per-packet one-way delay: 59.281 ms

Loss rate: 0.02%

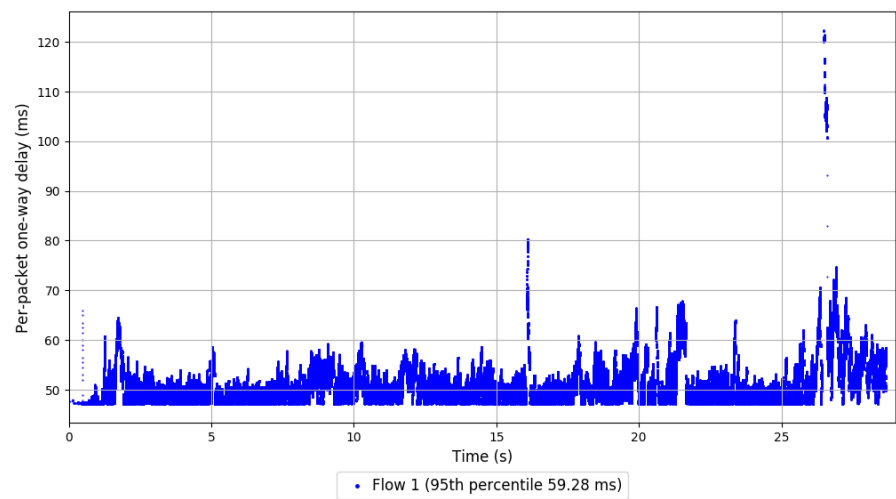
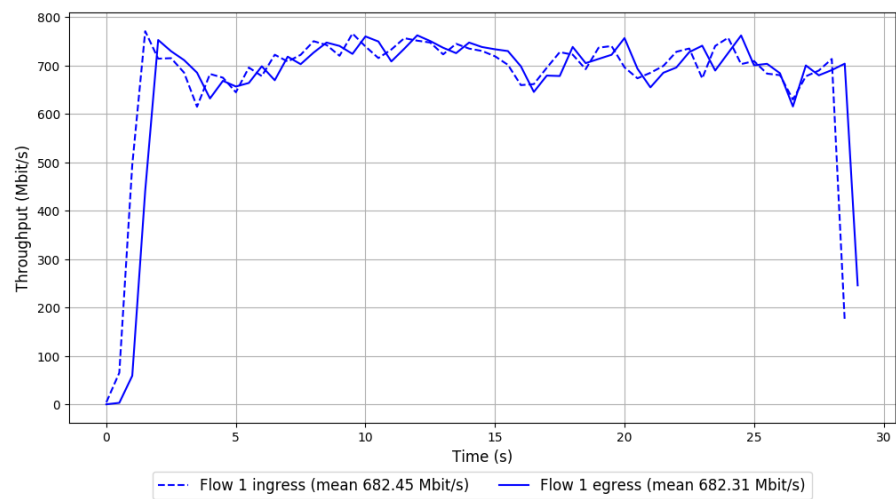
-- Flow 1:

Average throughput: 682.31 Mbit/s

95th percentile per-packet one-way delay: 59.281 ms

Loss rate: 0.02%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-01-25 12:47:27

End at: 2019-01-25 12:47:57

Local clock offset: -0.121 ms

Remote clock offset: 0.093 ms

Below is generated by plot.py at 2019-01-25 15:27:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 645.44 Mbit/s

95th percentile per-packet one-way delay: 67.125 ms

Loss rate: 0.05%

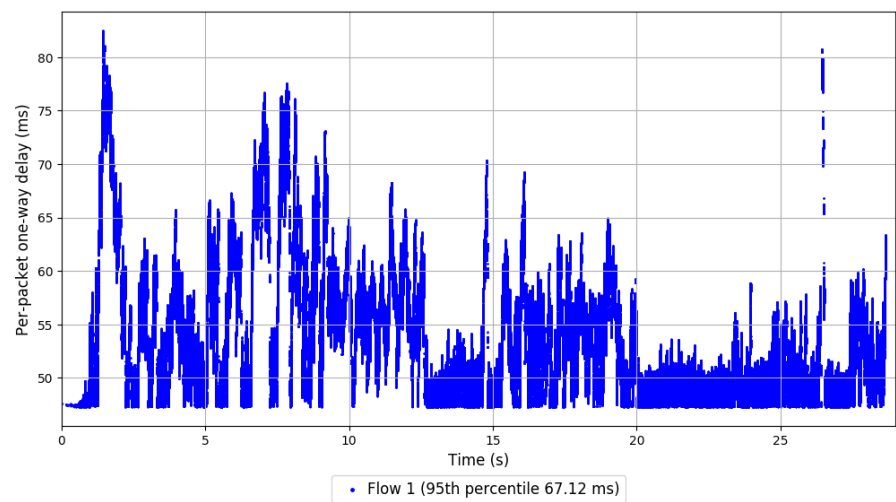
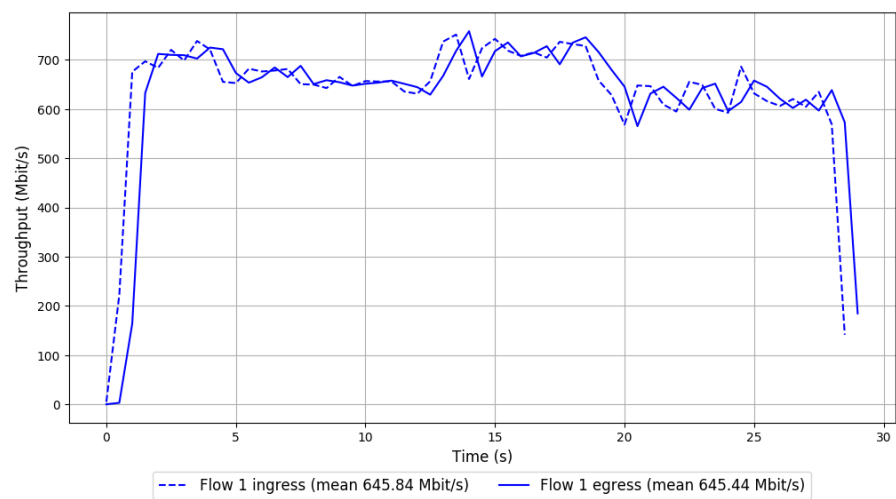
-- Flow 1:

Average throughput: 645.44 Mbit/s

95th percentile per-packet one-way delay: 67.125 ms

Loss rate: 0.05%

Run 3: Report of Indigo-MusesC5 — Data Link

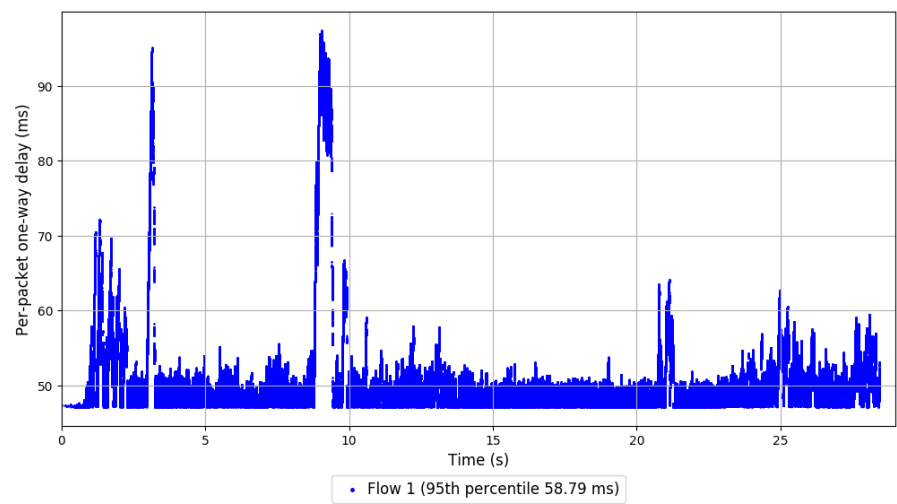
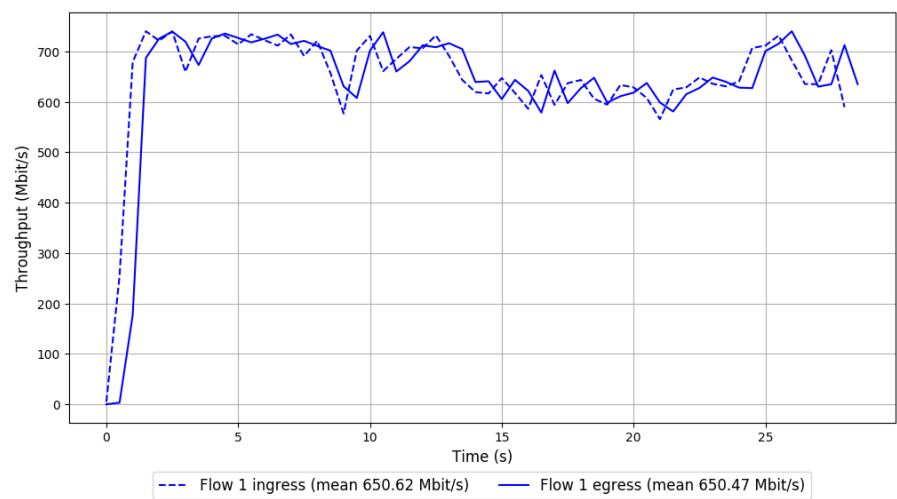


Run 4: Statistics of Indigo-MusesC5

Start at: 2019-01-25 13:18:36
End at: 2019-01-25 13:19:06
Local clock offset: -0.024 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2019-01-25 15:35:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 650.47 Mbit/s
95th percentile per-packet one-way delay: 58.791 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 650.47 Mbit/s
95th percentile per-packet one-way delay: 58.791 ms
Loss rate: 0.02%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-01-25 13:49:49

End at: 2019-01-25 13:50:19

Local clock offset: -0.495 ms

Remote clock offset: 0.077 ms

Below is generated by plot.py at 2019-01-25 15:35:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 627.60 Mbit/s

95th percentile per-packet one-way delay: 65.841 ms

Loss rate: 0.00%

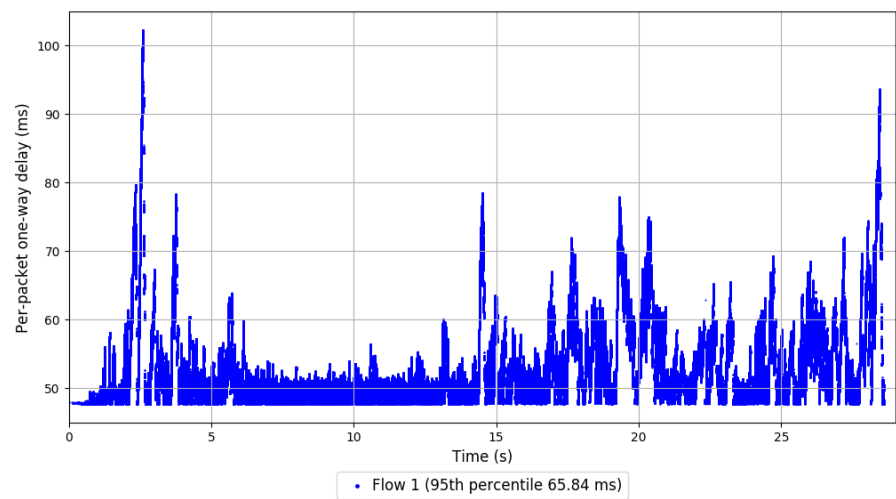
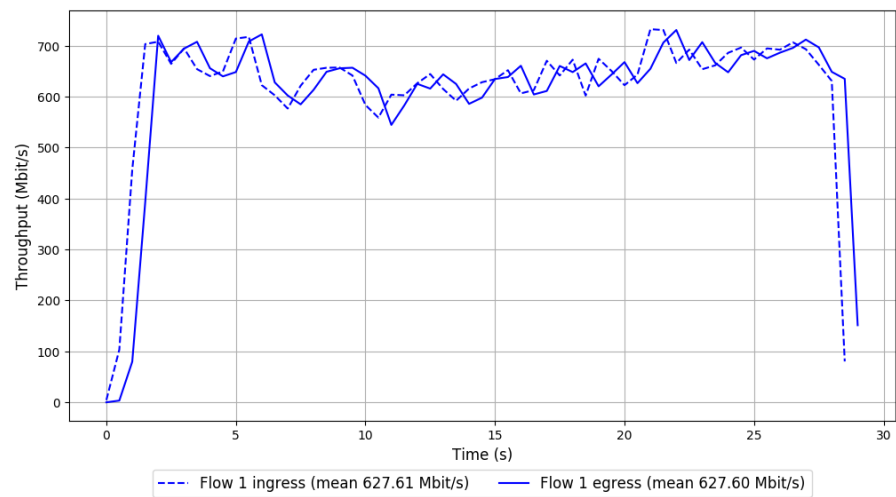
-- Flow 1:

Average throughput: 627.60 Mbit/s

95th percentile per-packet one-way delay: 65.841 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesC5 — Data Link

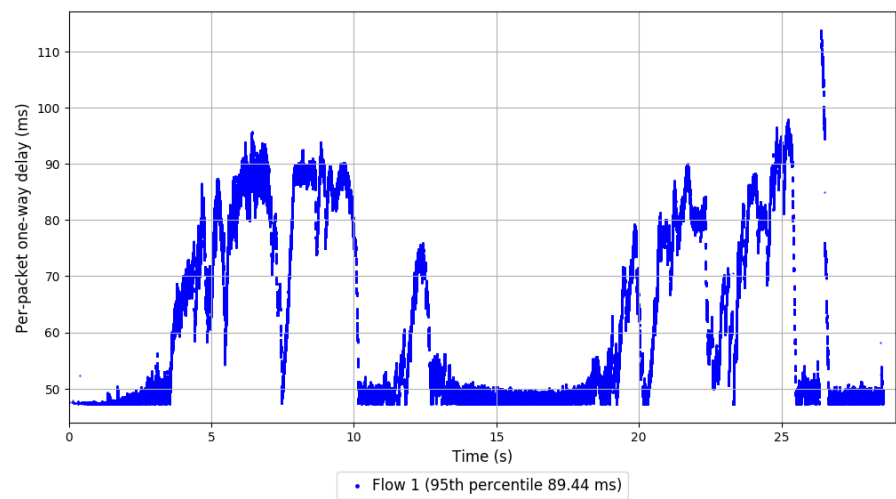
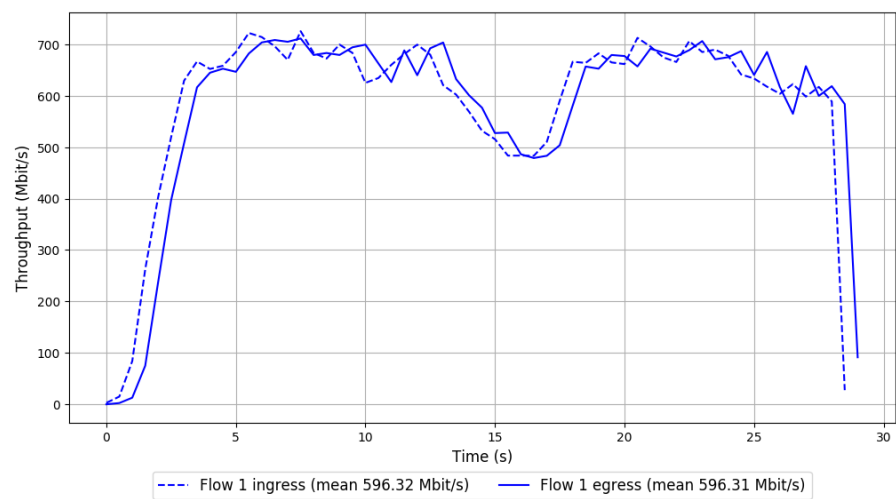



```
Run 1: Statistics of Indigo-MusesD

Start at: 2019-01-25 11:52:41
End at: 2019-01-25 11:53:11
Local clock offset: -0.056 ms
Remote clock offset: -0.084 ms

# Below is generated by plot.py at 2019-01-25 15:35:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 596.31 Mbit/s
95th percentile per-packet one-way delay: 89.436 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 596.31 Mbit/s
95th percentile per-packet one-way delay: 89.436 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-01-25 12:23:49

End at: 2019-01-25 12:24:19

Local clock offset: -0.104 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2019-01-25 15:35:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 627.55 Mbit/s

95th percentile per-packet one-way delay: 80.295 ms

Loss rate: 0.00%

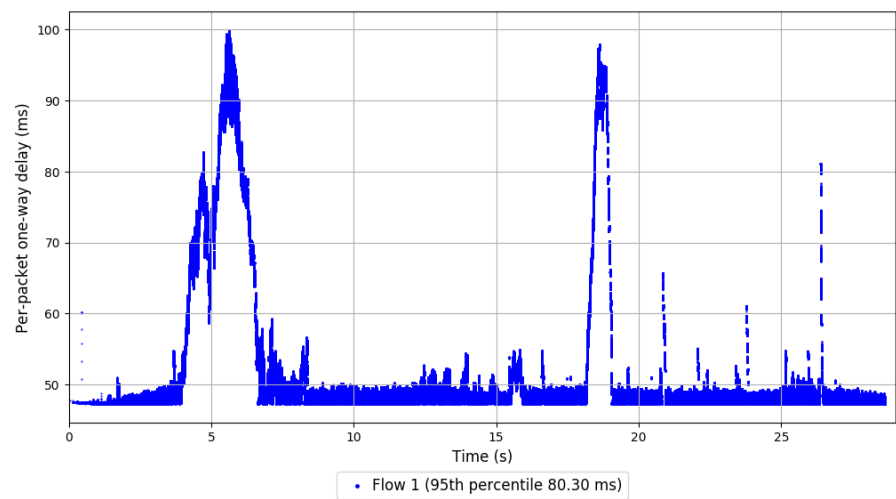
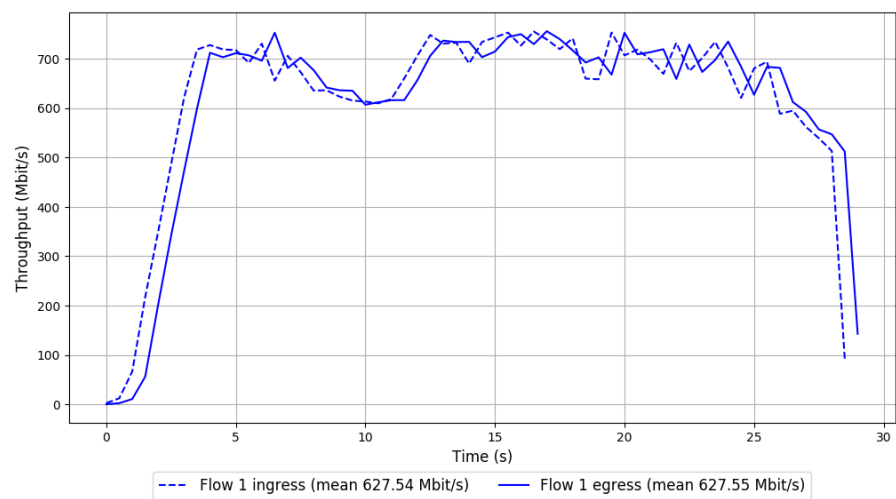
-- Flow 1:

Average throughput: 627.55 Mbit/s

95th percentile per-packet one-way delay: 80.295 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesD — Data Link

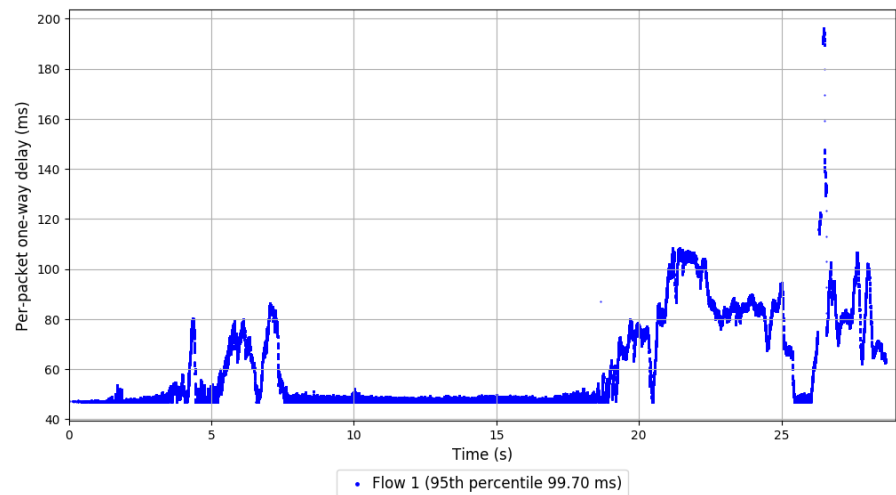
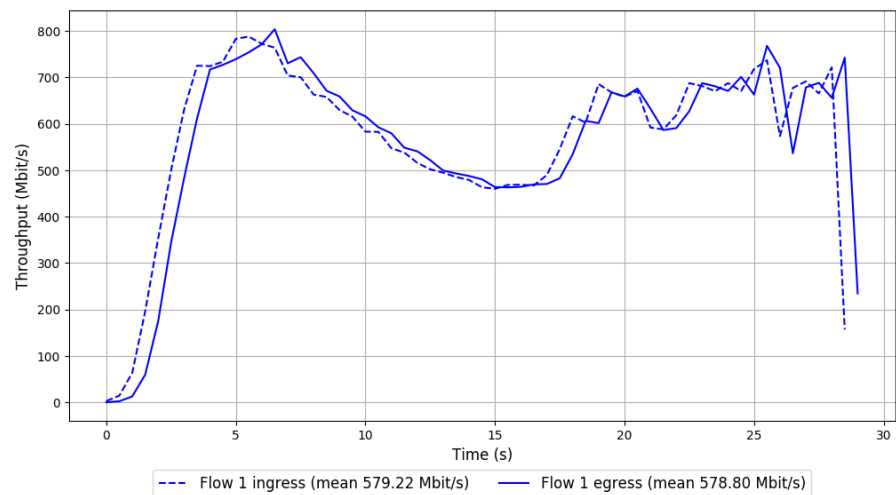


Run 3: Statistics of Indigo-MusesD

Start at: 2019-01-25 12:55:01
End at: 2019-01-25 12:55:31
Local clock offset: 0.244 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2019-01-25 15:36:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 578.80 Mbit/s
95th percentile per-packet one-way delay: 99.705 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 578.80 Mbit/s
95th percentile per-packet one-way delay: 99.705 ms
Loss rate: 0.07%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-01-25 13:26:15

End at: 2019-01-25 13:26:45

Local clock offset: 0.018 ms

Remote clock offset: -0.065 ms

Below is generated by plot.py at 2019-01-25 15:36:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 597.44 Mbit/s

95th percentile per-packet one-way delay: 91.685 ms

Loss rate: 0.04%

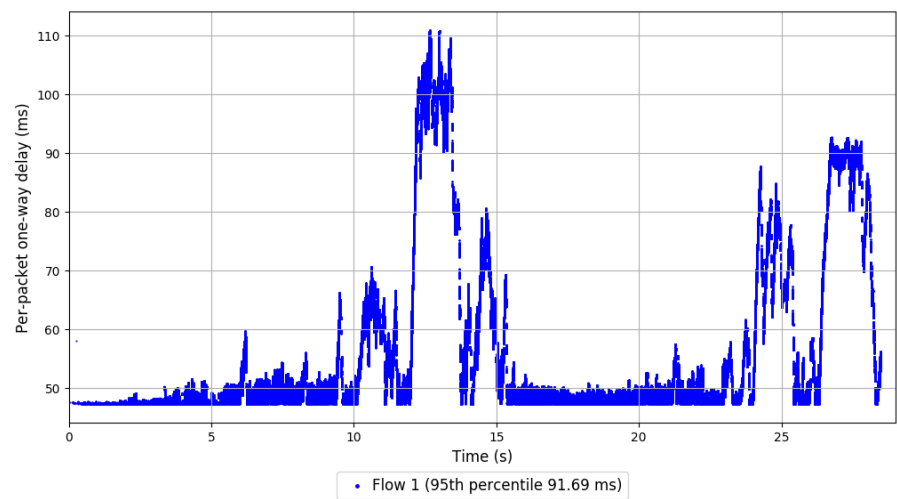
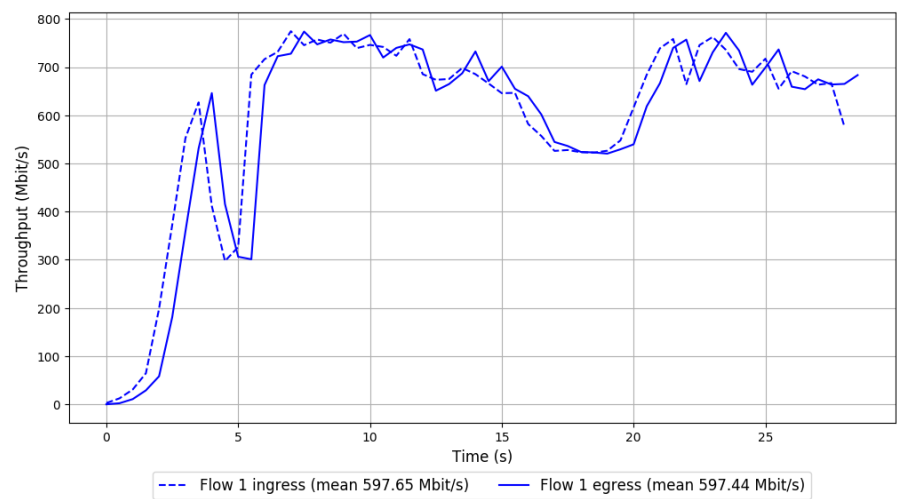
-- Flow 1:

Average throughput: 597.44 Mbit/s

95th percentile per-packet one-way delay: 91.685 ms

Loss rate: 0.04%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-01-25 13:57:25

End at: 2019-01-25 13:57:55

Local clock offset: -0.137 ms

Remote clock offset: -0.018 ms

Below is generated by plot.py at 2019-01-25 15:37:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 613.38 Mbit/s

95th percentile per-packet one-way delay: 70.937 ms

Loss rate: 0.00%

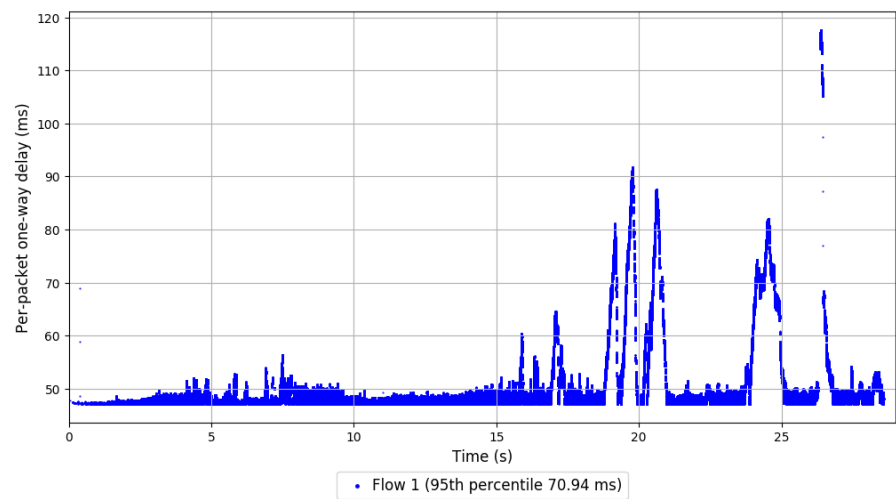
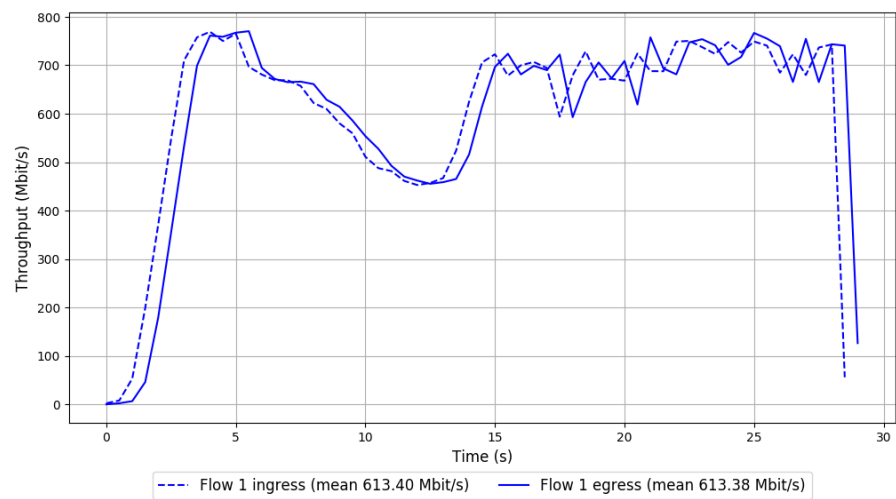
-- Flow 1:

Average throughput: 613.38 Mbit/s

95th percentile per-packet one-way delay: 70.937 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MusesT

Start at: 2019-01-25 12:00:46

End at: 2019-01-25 12:01:16

Local clock offset: 0.024 ms

Remote clock offset: -0.041 ms

Below is generated by plot.py at 2019-01-25 15:39:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 664.81 Mbit/s

95th percentile per-packet one-way delay: 87.122 ms

Loss rate: 0.00%

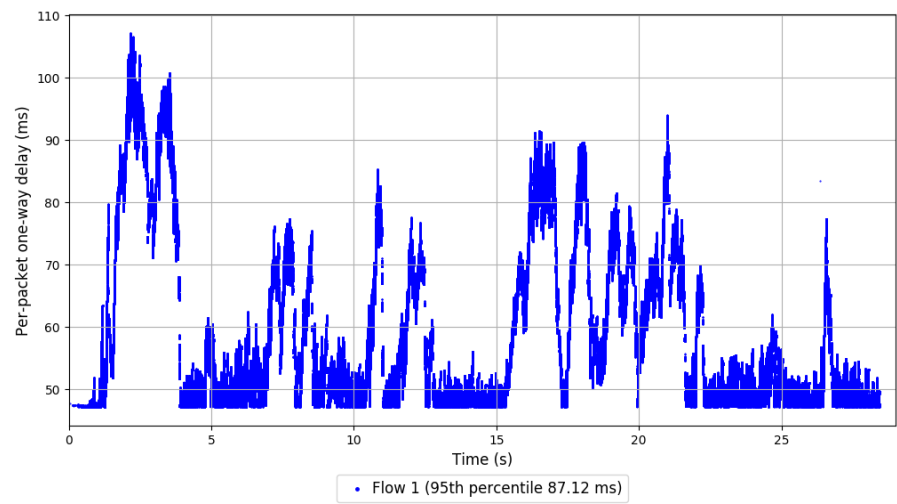
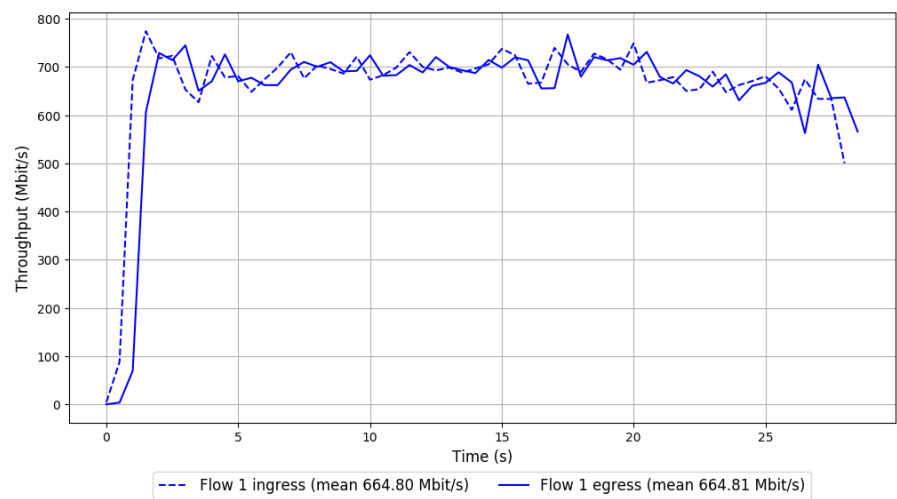
-- Flow 1:

Average throughput: 664.81 Mbit/s

95th percentile per-packet one-way delay: 87.122 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesT — Data Link

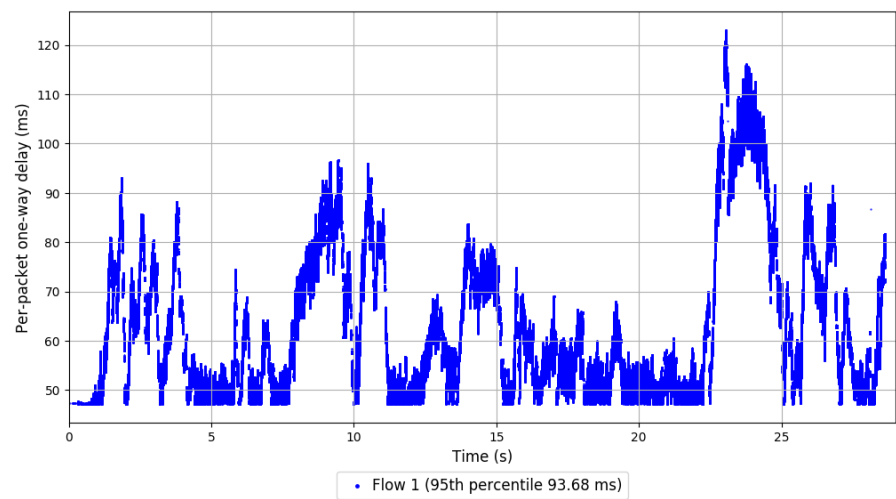
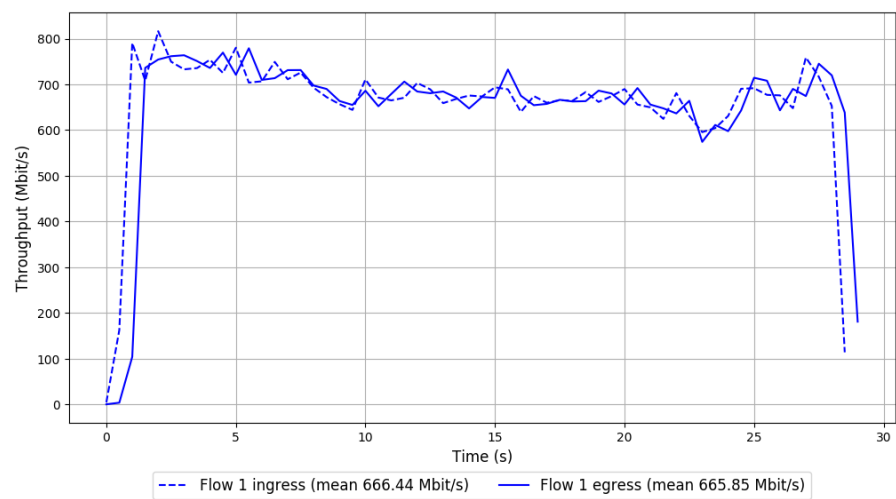


Run 2: Statistics of Indigo-MusesT

Start at: 2019-01-25 12:32:01
End at: 2019-01-25 12:32:31
Local clock offset: -0.132 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2019-01-25 15:45:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 665.85 Mbit/s
95th percentile per-packet one-way delay: 93.681 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 665.85 Mbit/s
95th percentile per-packet one-way delay: 93.681 ms
Loss rate: 0.07%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

Start at: 2019-01-25 13:03:08

End at: 2019-01-25 13:03:38

Local clock offset: -0.111 ms

Remote clock offset: -0.027 ms

Below is generated by plot.py at 2019-01-25 15:45:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 653.92 Mbit/s

95th percentile per-packet one-way delay: 92.037 ms

Loss rate: 0.00%

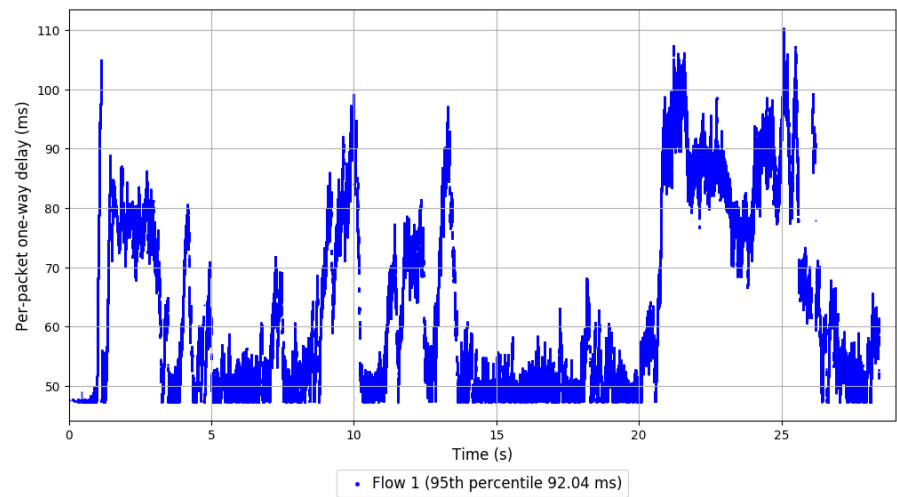
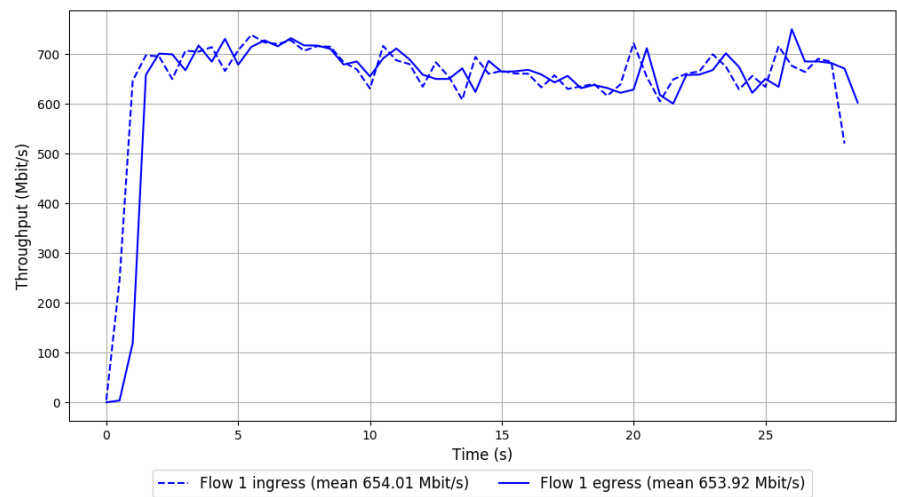
-- Flow 1:

Average throughput: 653.92 Mbit/s

95th percentile per-packet one-way delay: 92.037 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2019-01-25 13:34:25

End at: 2019-01-25 13:34:55

Local clock offset: -0.059 ms

Remote clock offset: -0.089 ms

Below is generated by plot.py at 2019-01-25 15:45:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 659.76 Mbit/s

95th percentile per-packet one-way delay: 109.714 ms

Loss rate: 0.04%

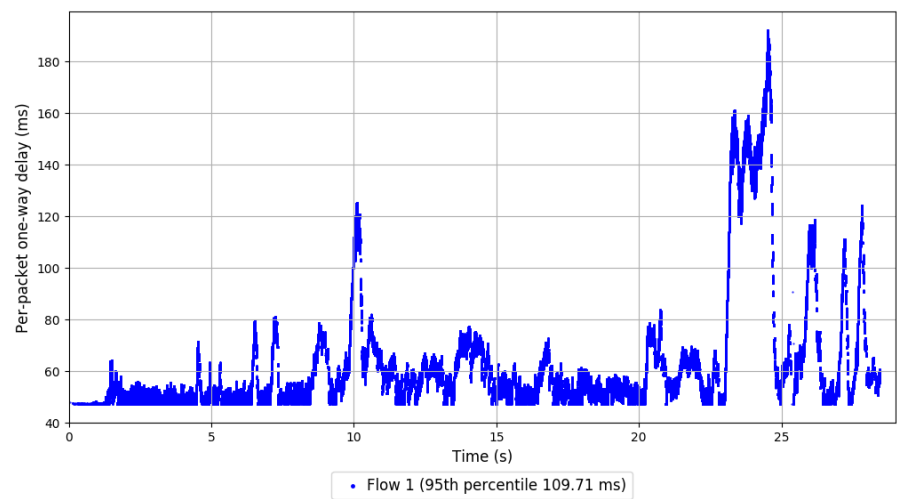
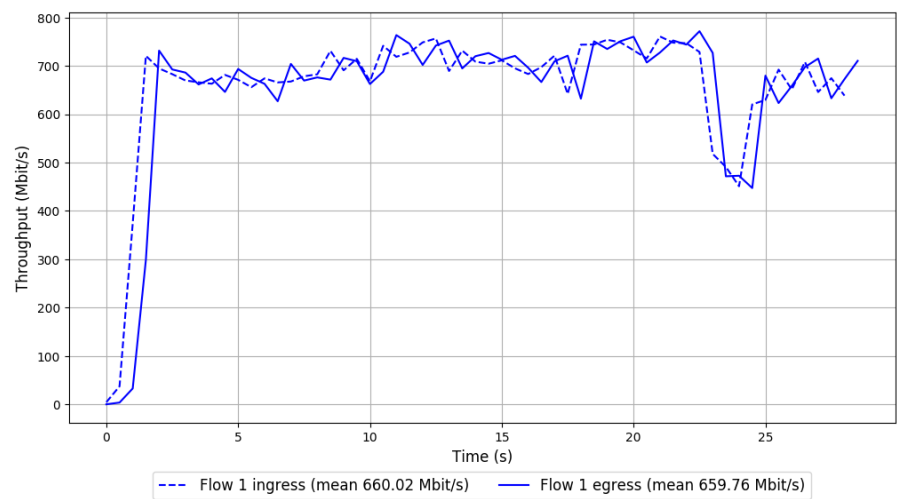
-- Flow 1:

Average throughput: 659.76 Mbit/s

95th percentile per-packet one-way delay: 109.714 ms

Loss rate: 0.04%

Run 4: Report of Indigo-MusesT — Data Link

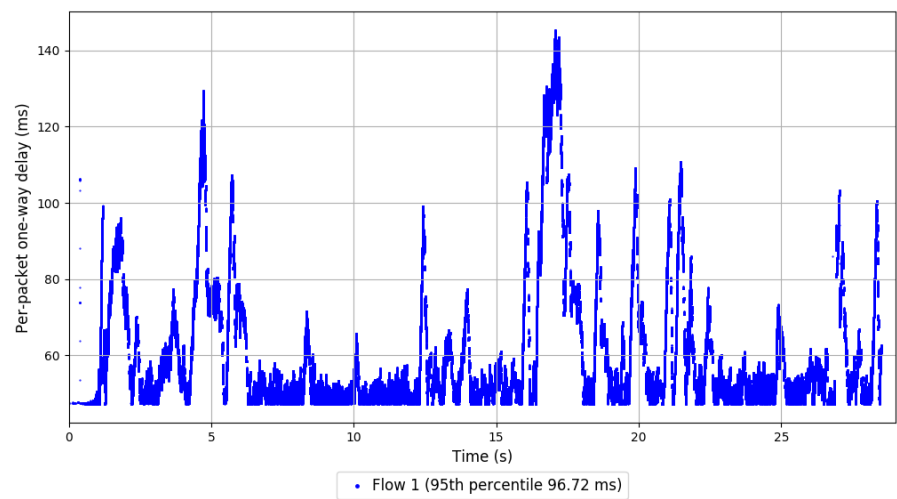
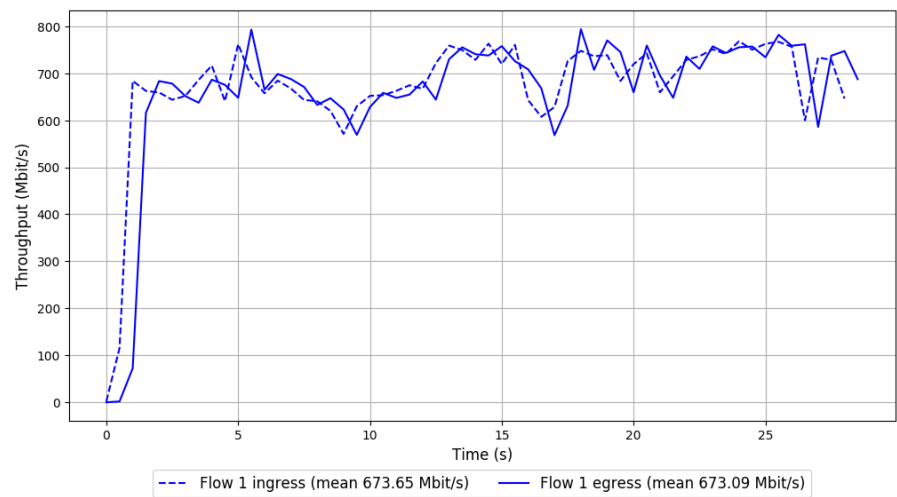


Run 5: Statistics of Indigo-MusesT

Start at: 2019-01-25 14:05:35
End at: 2019-01-25 14:06:05
Local clock offset: -0.148 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2019-01-25 15:46:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 673.09 Mbit/s
95th percentile per-packet one-way delay: 96.720 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 673.09 Mbit/s
95th percentile per-packet one-way delay: 96.720 ms
Loss rate: 0.08%

Run 5: Report of Indigo-MusesT — Data Link

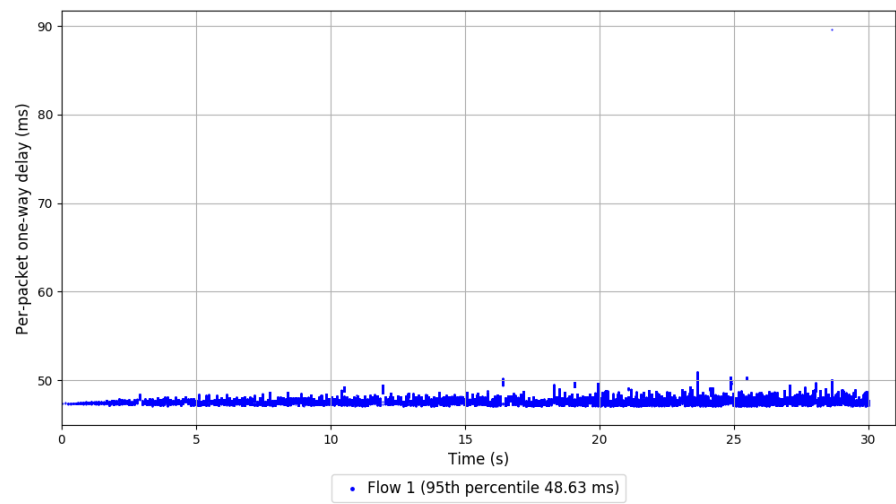
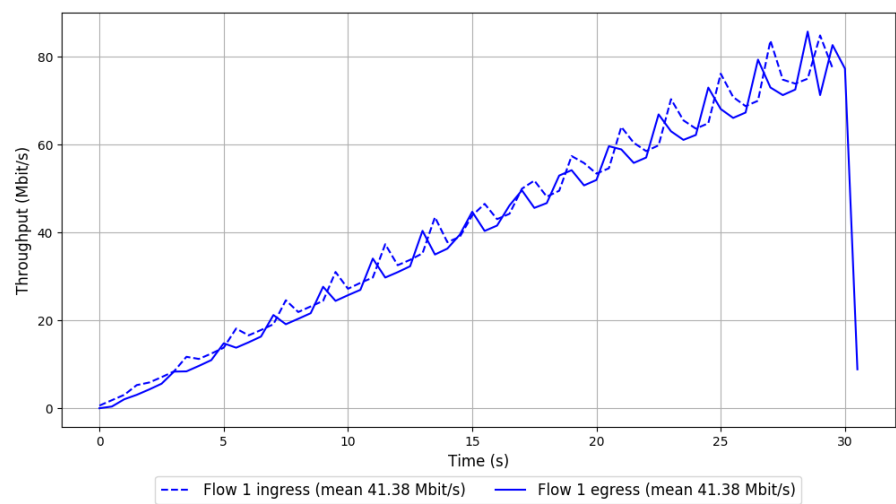


Run 1: Statistics of LEDBAT

Start at: 2019-01-25 11:55:22
End at: 2019-01-25 11:55:52
Local clock offset: -0.083 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2019-01-25 15:46:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 41.38 Mbit/s
95th percentile per-packet one-way delay: 48.628 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.38 Mbit/s
95th percentile per-packet one-way delay: 48.628 ms
Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2019-01-25 12:26:37

End at: 2019-01-25 12:27:07

Local clock offset: -0.073 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2019-01-25 15:46:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.37 Mbit/s

95th percentile per-packet one-way delay: 48.467 ms

Loss rate: 0.00%

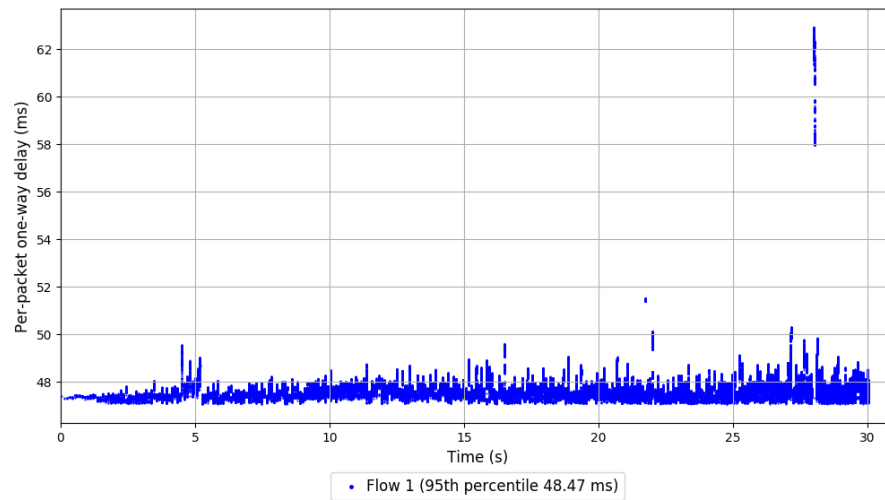
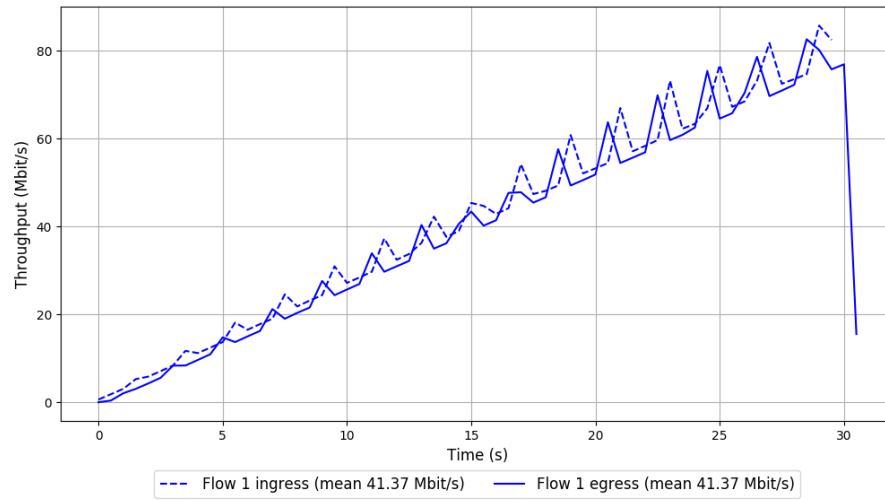
-- Flow 1:

Average throughput: 41.37 Mbit/s

95th percentile per-packet one-way delay: 48.467 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

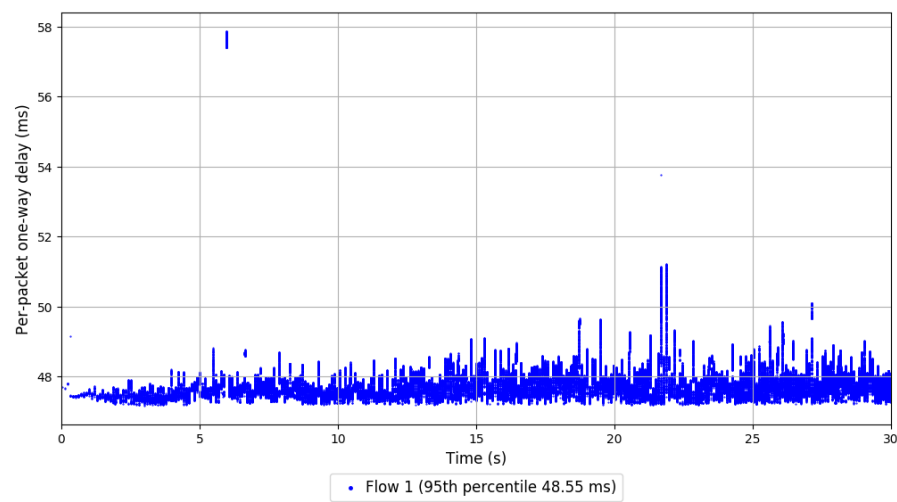
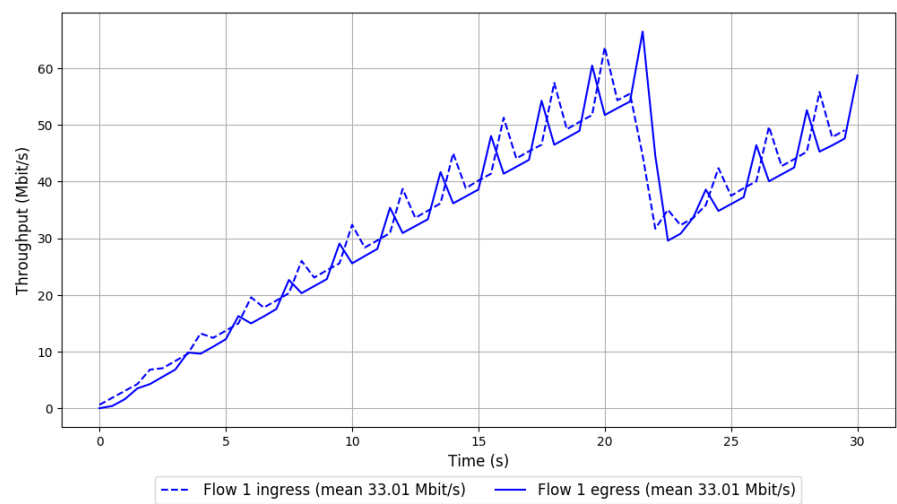


Run 3: Statistics of LEDBAT

Start at: 2019-01-25 12:57:46
End at: 2019-01-25 12:58:16
Local clock offset: -0.112 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2019-01-25 15:46:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 33.01 Mbit/s
95th percentile per-packet one-way delay: 48.554 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 33.01 Mbit/s
95th percentile per-packet one-way delay: 48.554 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

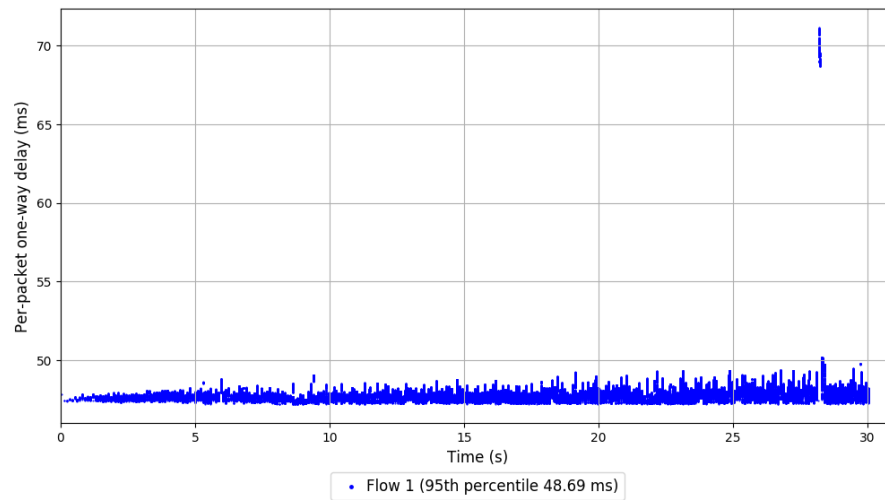
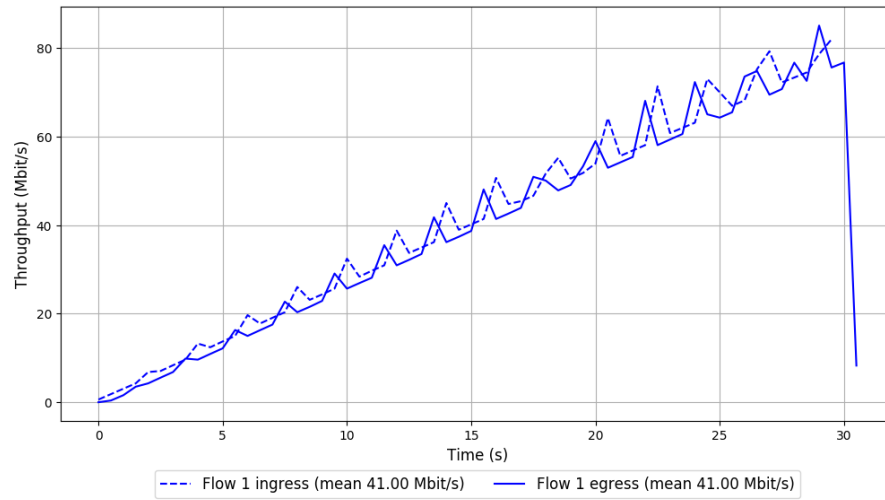


Run 4: Statistics of LEDBAT

Start at: 2019-01-25 13:29:00
End at: 2019-01-25 13:29:30
Local clock offset: -0.007 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2019-01-25 15:46:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 41.00 Mbit/s
95th percentile per-packet one-way delay: 48.686 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.00 Mbit/s
95th percentile per-packet one-way delay: 48.686 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2019-01-25 14:00:11

End at: 2019-01-25 14:00:41

Local clock offset: -0.157 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2019-01-25 15:46:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.65 Mbit/s

95th percentile per-packet one-way delay: 48.765 ms

Loss rate: 0.00%

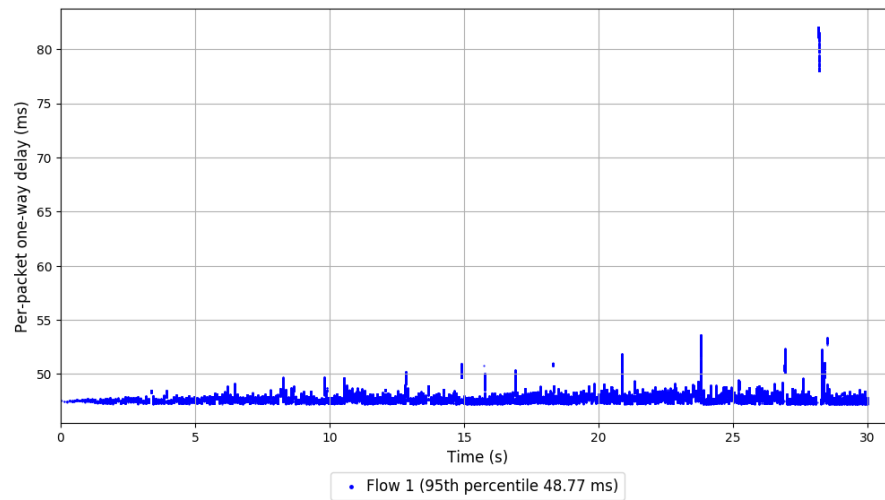
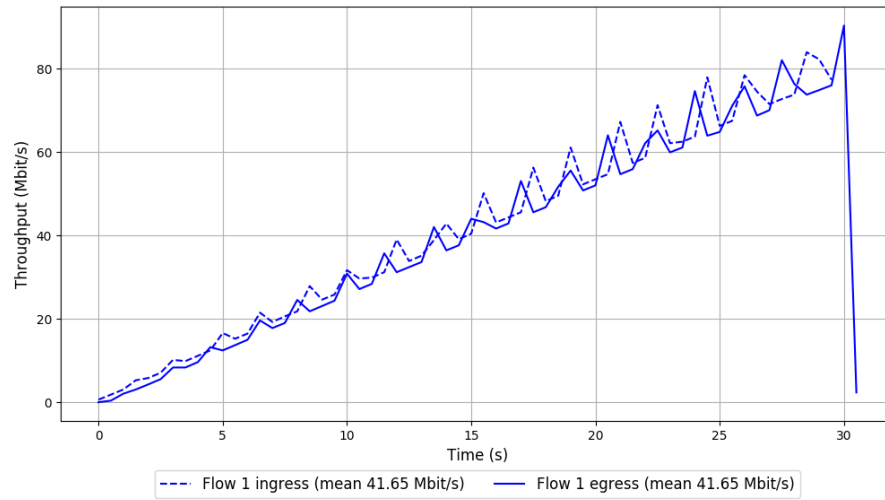
-- Flow 1:

Average throughput: 41.65 Mbit/s

95th percentile per-packet one-way delay: 48.765 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

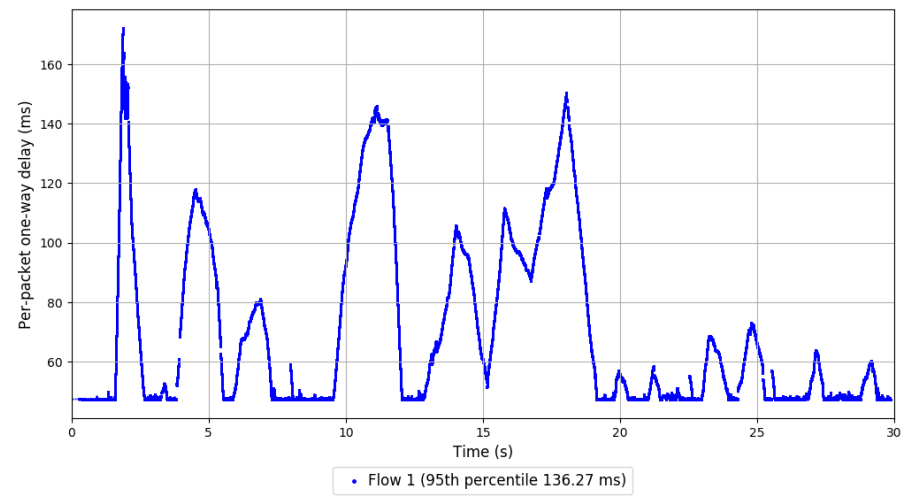
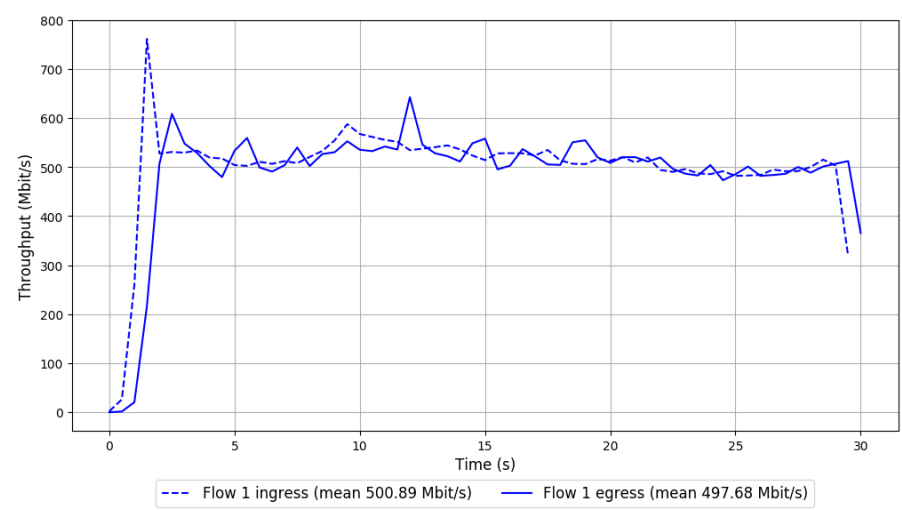


```
Run 1: Statistics of PCC-Allegro

Start at: 2019-01-25 11:58:00
End at: 2019-01-25 11:58:30
Local clock offset: -0.045 ms
Remote clock offset: -0.087 ms

# Below is generated by plot.py at 2019-01-25 15:55:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 497.68 Mbit/s
95th percentile per-packet one-way delay: 136.274 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 497.68 Mbit/s
95th percentile per-packet one-way delay: 136.274 ms
Loss rate: 0.64%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-01-25 12:29:17

End at: 2019-01-25 12:29:47

Local clock offset: -0.126 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2019-01-25 15:55:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 443.98 Mbit/s

95th percentile per-packet one-way delay: 151.203 ms

Loss rate: 1.09%

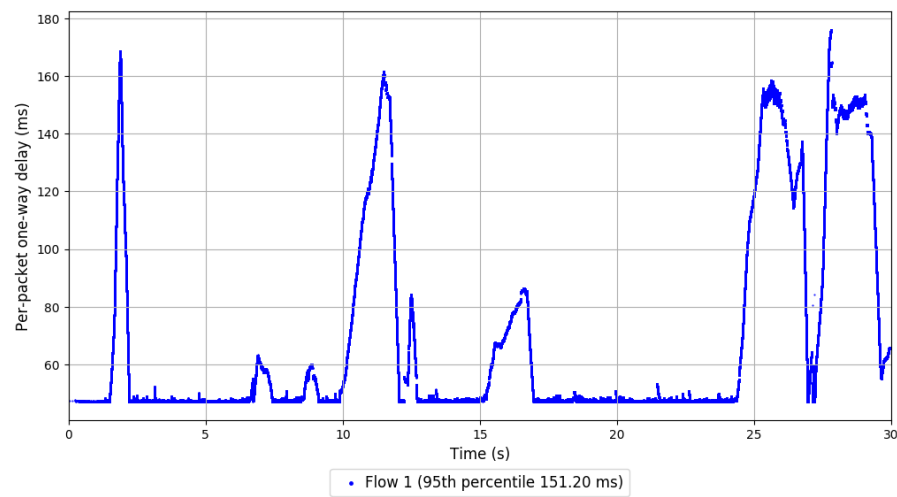
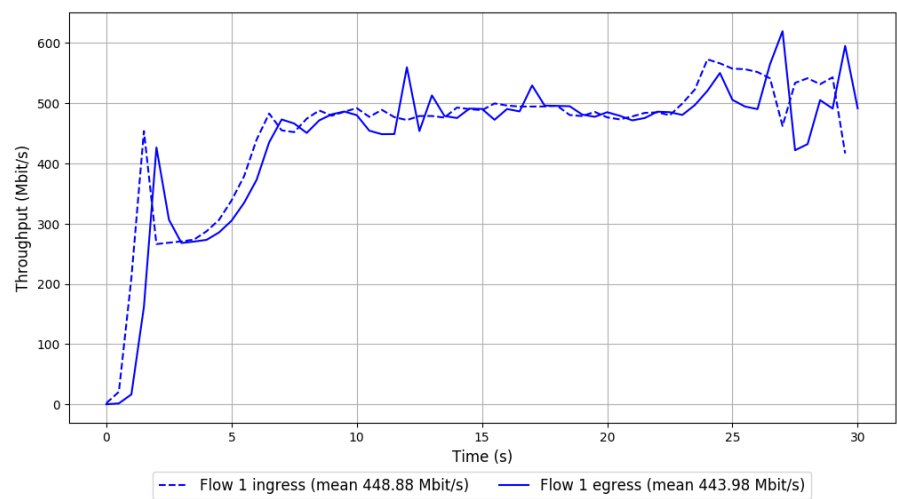
-- Flow 1:

Average throughput: 443.98 Mbit/s

95th percentile per-packet one-way delay: 151.203 ms

Loss rate: 1.09%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-01-25 13:00:25

End at: 2019-01-25 13:00:55

Local clock offset: -0.116 ms

Remote clock offset: 0.074 ms

Below is generated by plot.py at 2019-01-25 15:55:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 438.59 Mbit/s

95th percentile per-packet one-way delay: 159.169 ms

Loss rate: 1.91%

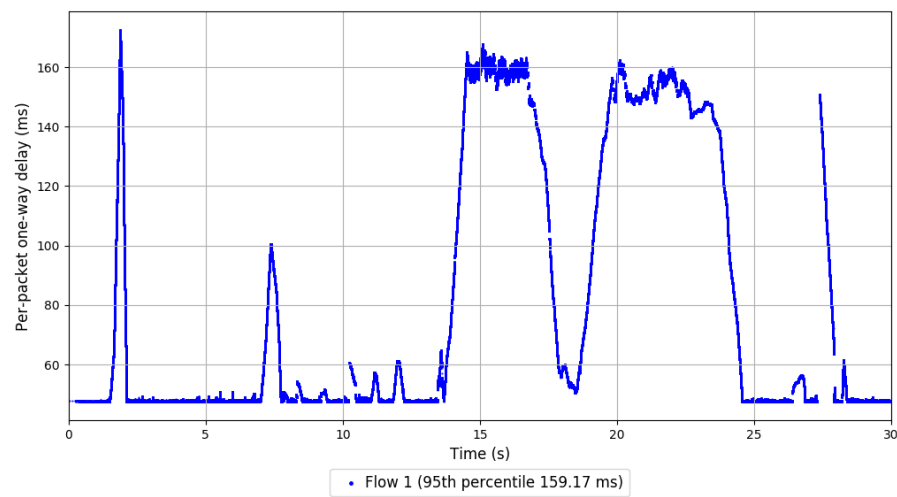
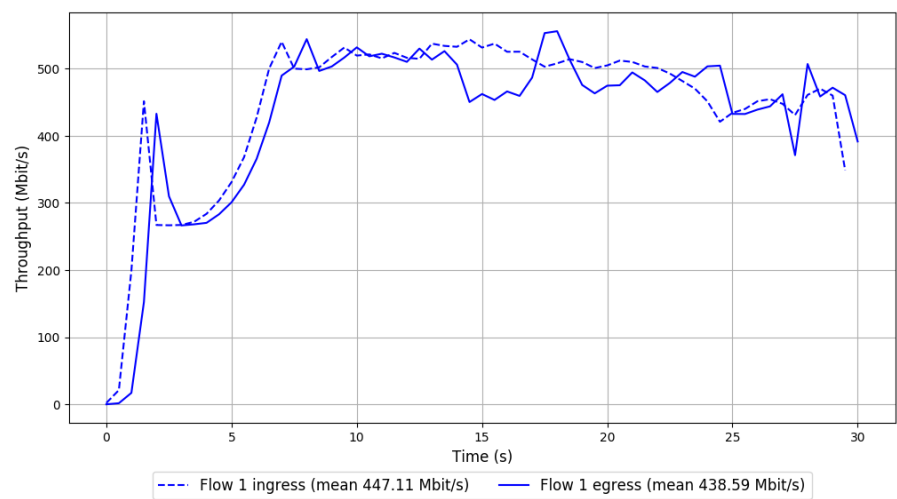
-- Flow 1:

Average throughput: 438.59 Mbit/s

95th percentile per-packet one-way delay: 159.169 ms

Loss rate: 1.91%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-01-25 13:31:39

End at: 2019-01-25 13:32:09

Local clock offset: -0.04 ms

Remote clock offset: 0.046 ms

Below is generated by plot.py at 2019-01-25 15:56:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 476.39 Mbit/s

95th percentile per-packet one-way delay: 168.581 ms

Loss rate: 2.20%

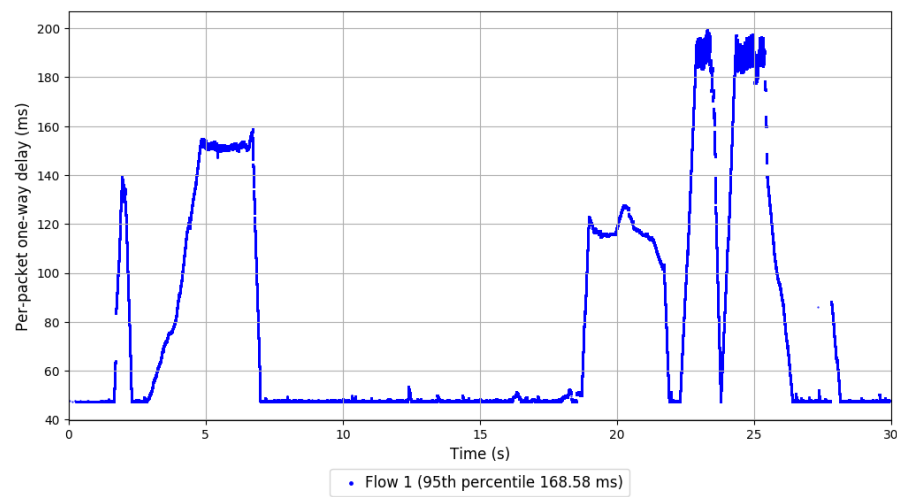
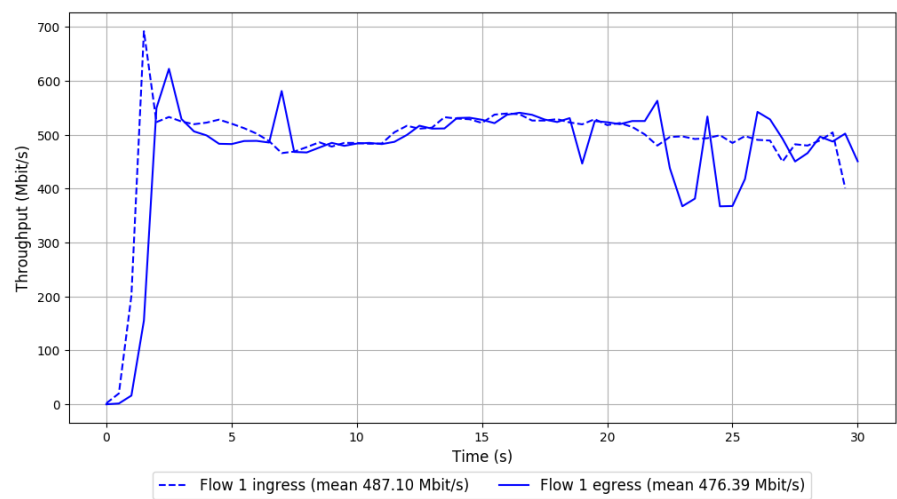
-- Flow 1:

Average throughput: 476.39 Mbit/s

95th percentile per-packet one-way delay: 168.581 ms

Loss rate: 2.20%

Run 4: Report of PCC-Allegro — Data Link

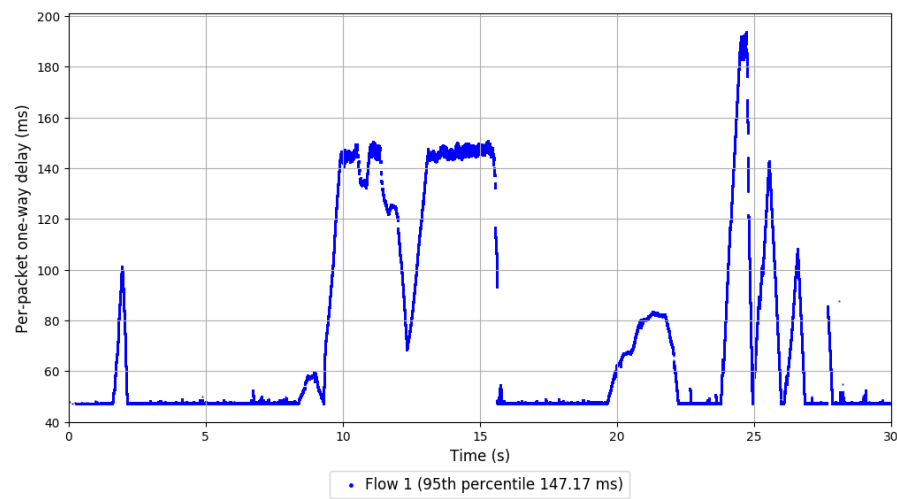
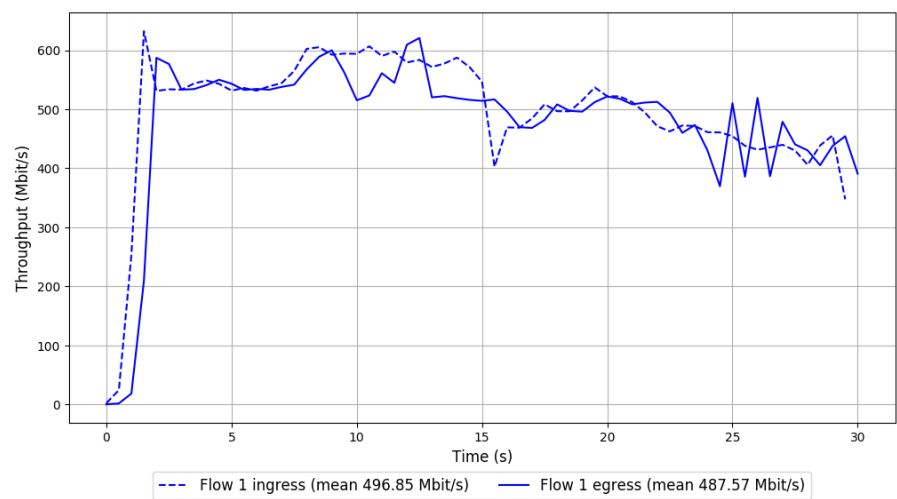


Run 5: Statistics of PCC-Allegro

Start at: 2019-01-25 14:02:49
End at: 2019-01-25 14:03:19
Local clock offset: -0.133 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2019-01-25 16:02:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 487.57 Mbit/s
95th percentile per-packet one-way delay: 147.167 ms
Loss rate: 1.87%
-- Flow 1:
Average throughput: 487.57 Mbit/s
95th percentile per-packet one-way delay: 147.167 ms
Loss rate: 1.87%

Run 5: Report of PCC-Allegro — Data Link

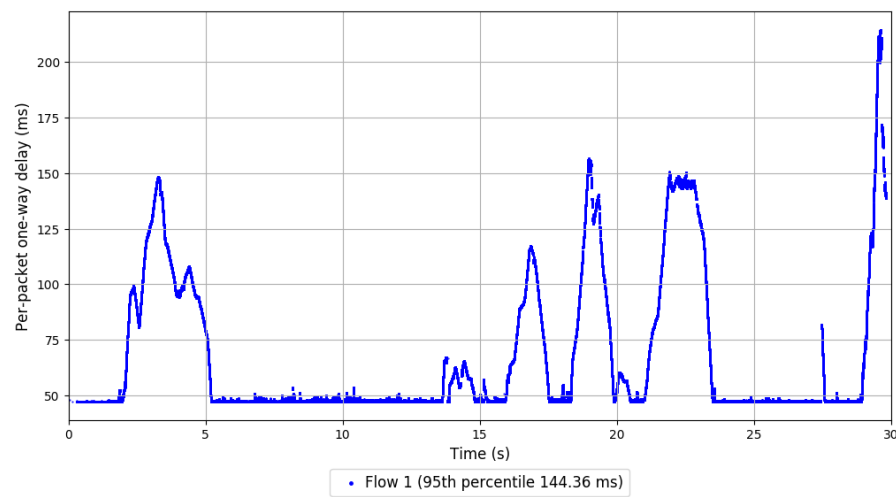
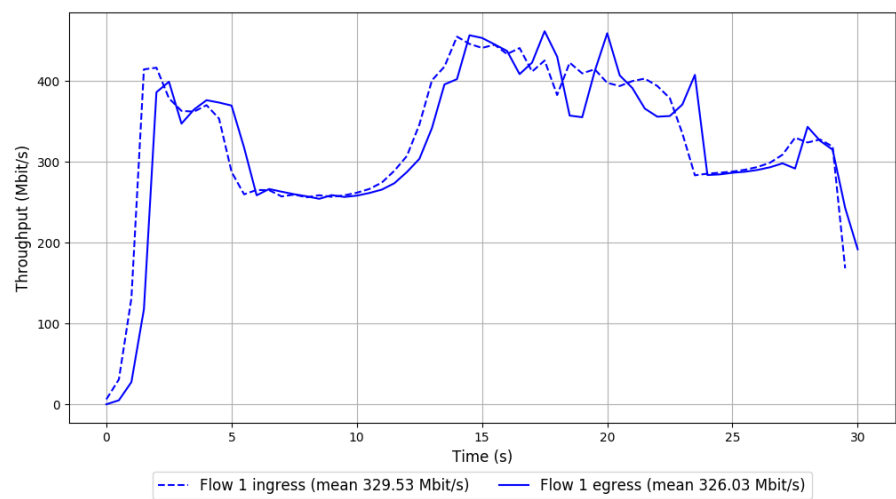


Run 1: Statistics of PCC-Expr

Start at: 2019-01-25 11:48:11
End at: 2019-01-25 11:48:41
Local clock offset: -0.006 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2019-01-25 16:02:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 326.03 Mbit/s
95th percentile per-packet one-way delay: 144.358 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 326.03 Mbit/s
95th percentile per-packet one-way delay: 144.358 ms
Loss rate: 1.06%

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2019-01-25 12:19:18

End at: 2019-01-25 12:19:48

Local clock offset: -0.126 ms

Remote clock offset: 0.038 ms

Below is generated by plot.py at 2019-01-25 16:02:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 323.58 Mbit/s

95th percentile per-packet one-way delay: 137.627 ms

Loss rate: 1.29%

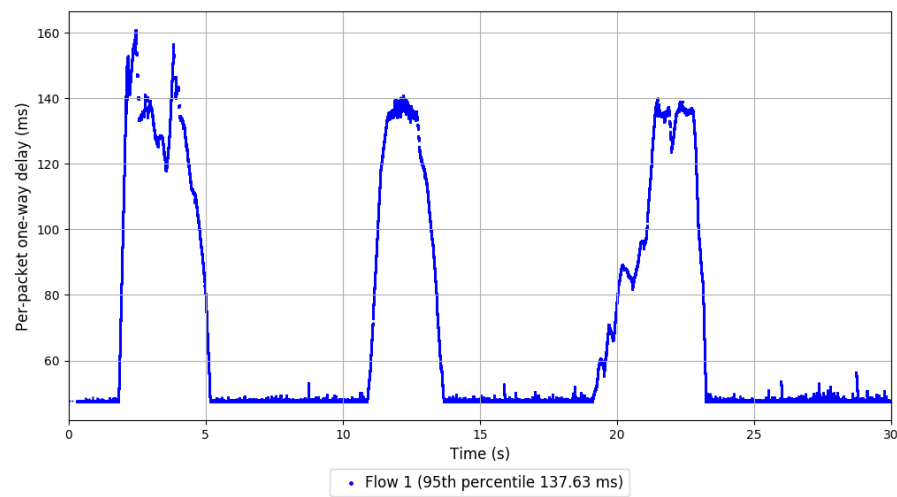
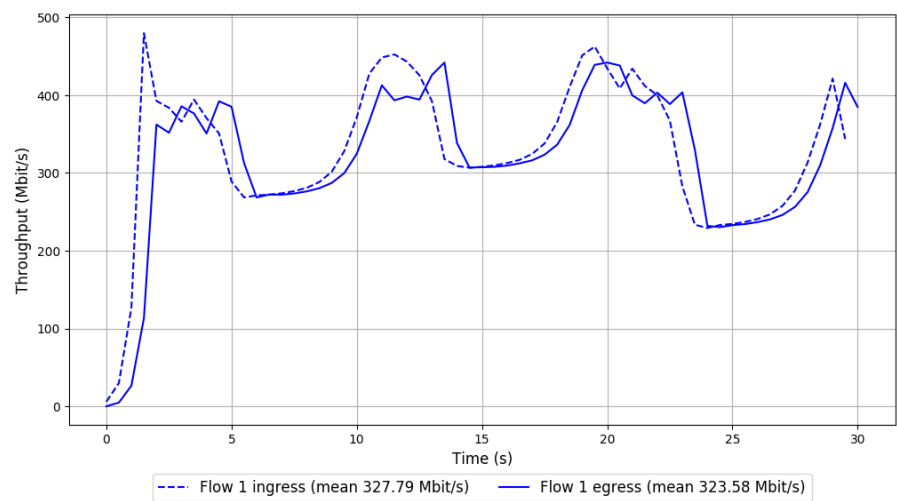
-- Flow 1:

Average throughput: 323.58 Mbit/s

95th percentile per-packet one-way delay: 137.627 ms

Loss rate: 1.29%

Run 2: Report of PCC-Expr — Data Link

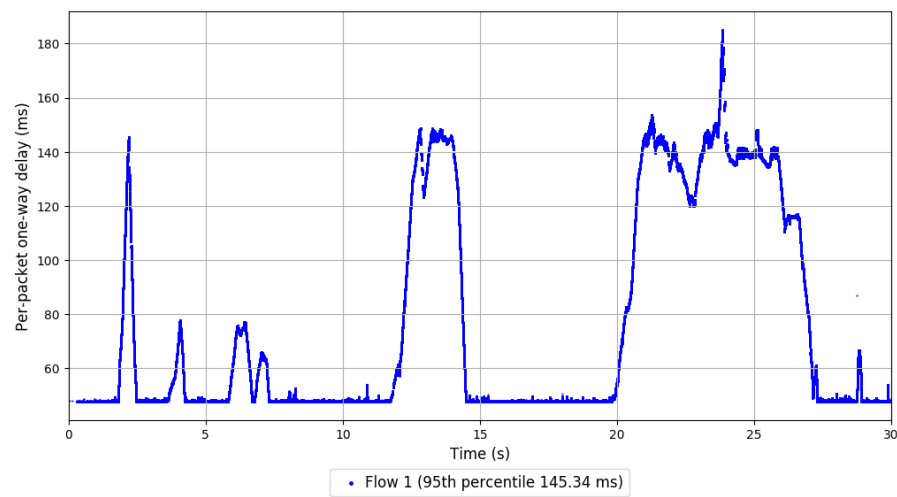
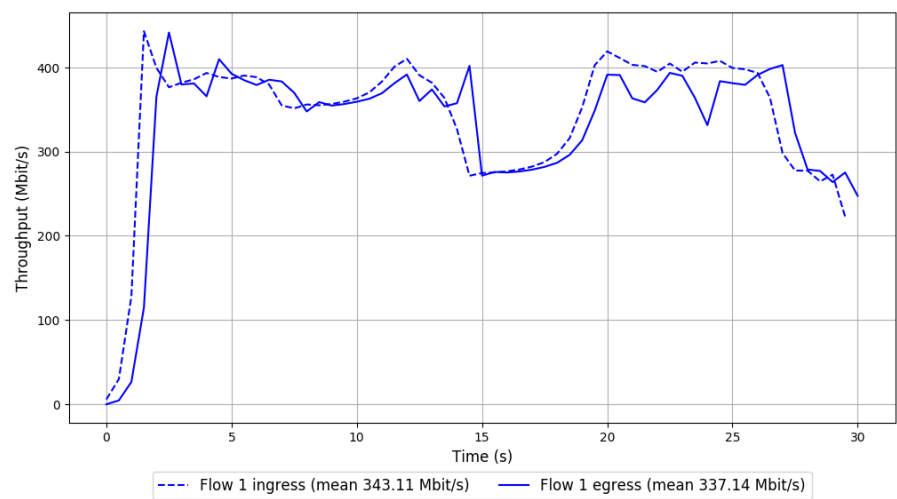


Run 3: Statistics of PCC-Expr

Start at: 2019-01-25 12:50:32
End at: 2019-01-25 12:51:02
Local clock offset: -0.476 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2019-01-25 16:02:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 337.14 Mbit/s
95th percentile per-packet one-way delay: 145.336 ms
Loss rate: 1.74%
-- Flow 1:
Average throughput: 337.14 Mbit/s
95th percentile per-packet one-way delay: 145.336 ms
Loss rate: 1.74%

Run 3: Report of PCC-Expr — Data Link

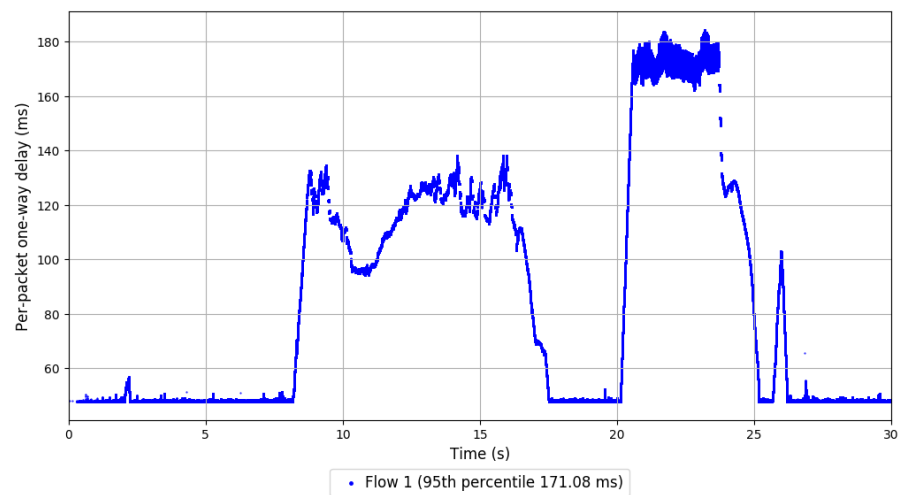
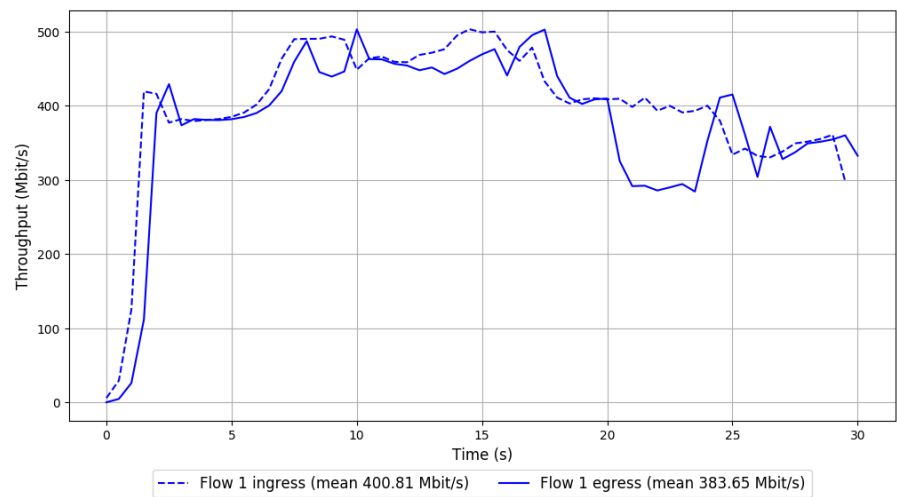


Run 4: Statistics of PCC-Expr

Start at: 2019-01-25 13:21:43
End at: 2019-01-25 13:22:13
Local clock offset: -0.393 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2019-01-25 16:08:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 383.65 Mbit/s
95th percentile per-packet one-way delay: 171.076 ms
Loss rate: 4.29%
-- Flow 1:
Average throughput: 383.65 Mbit/s
95th percentile per-packet one-way delay: 171.076 ms
Loss rate: 4.29%

Run 4: Report of PCC-Expr — Data Link

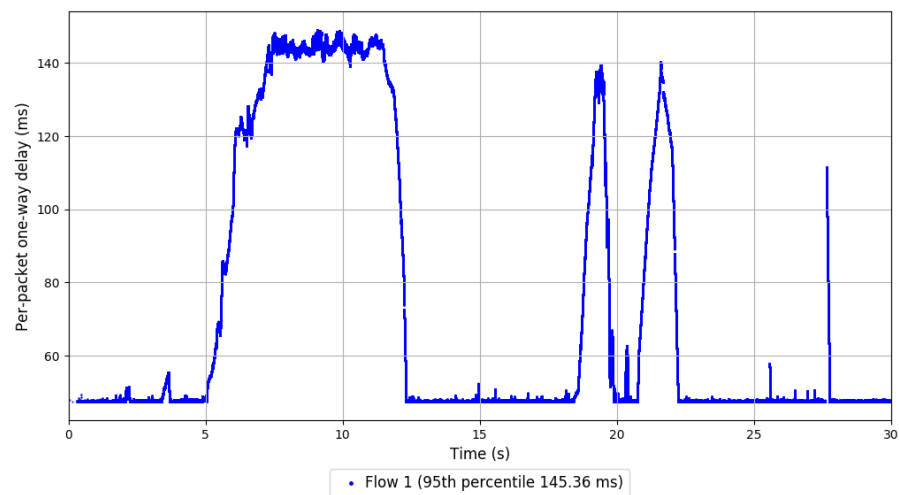
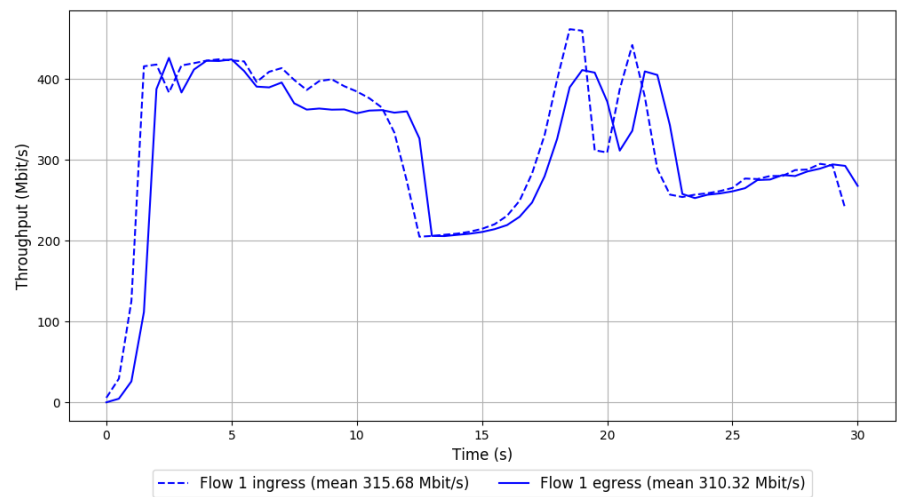


Run 5: Statistics of PCC-Expr

Start at: 2019-01-25 13:52:55
End at: 2019-01-25 13:53:25
Local clock offset: -0.009 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2019-01-25 16:08:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 310.32 Mbit/s
95th percentile per-packet one-way delay: 145.359 ms
Loss rate: 1.70%
-- Flow 1:
Average throughput: 310.32 Mbit/s
95th percentile per-packet one-way delay: 145.359 ms
Loss rate: 1.70%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

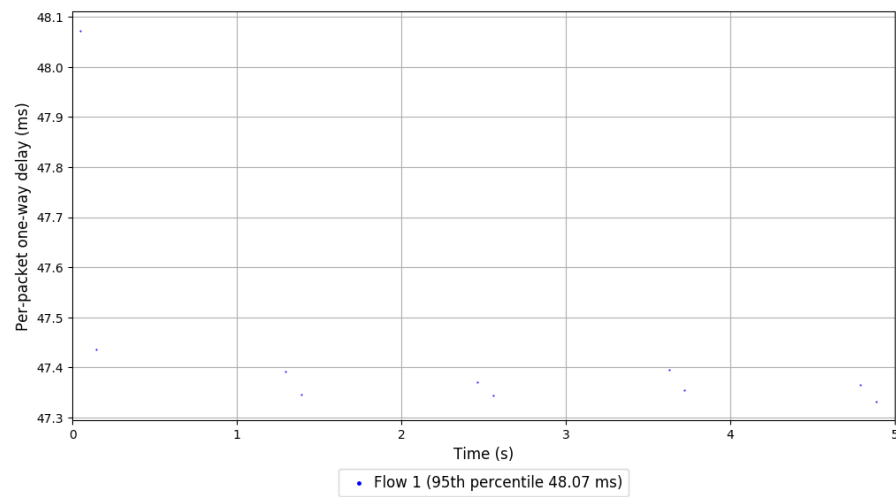
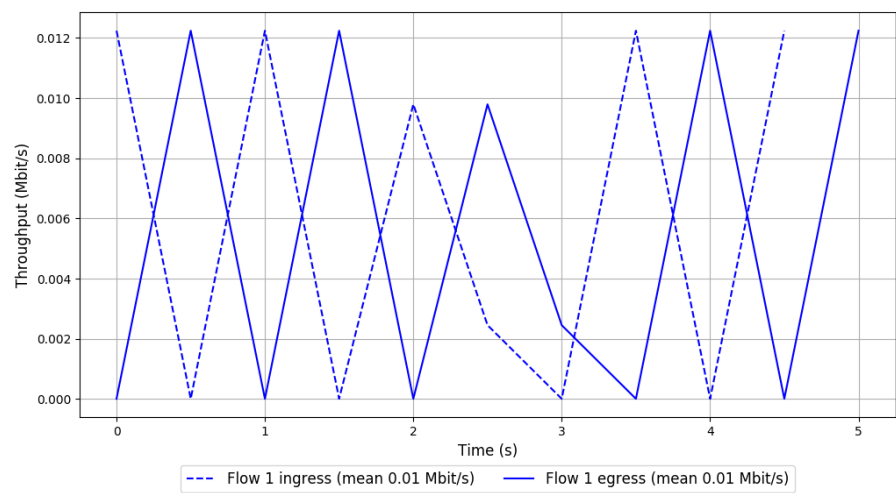
Start at: 2019-01-25 11:54:15

End at: 2019-01-25 11:54:45

Local clock offset: -0.038 ms

Remote clock offset: -0.092 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-01-25 12:25:27

End at: 2019-01-25 12:25:57

Local clock offset: -0.115 ms

Remote clock offset: 0.16 ms

Below is generated by plot.py at 2019-01-25 16:08:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.06 Mbit/s

95th percentile per-packet one-way delay: 47.549 ms

Loss rate: 0.00%

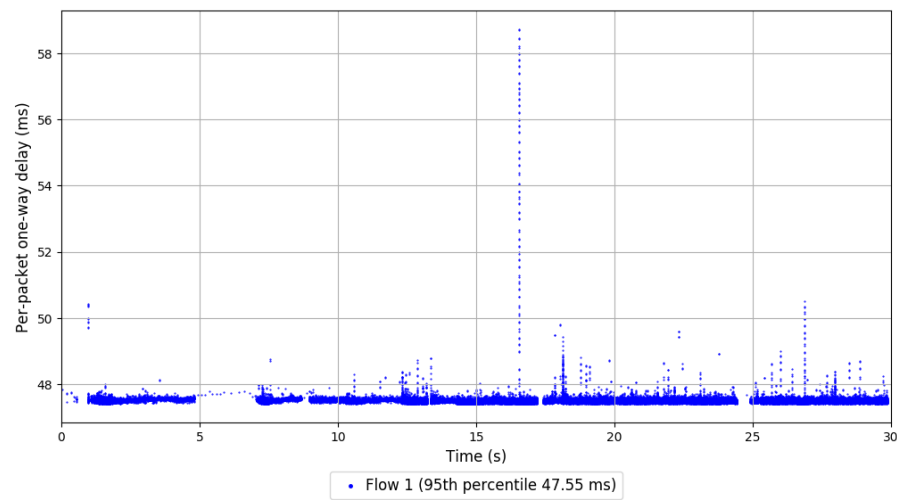
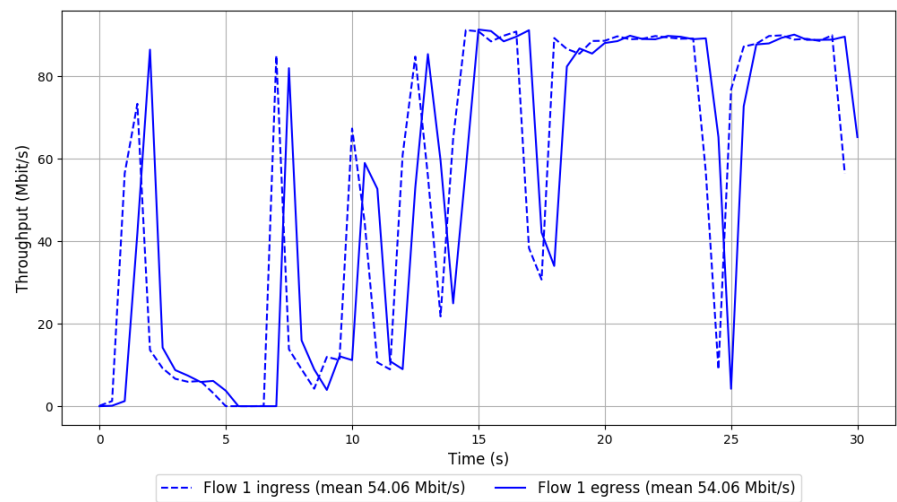
-- Flow 1:

Average throughput: 54.06 Mbit/s

95th percentile per-packet one-way delay: 47.549 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-01-25 12:56:35

End at: 2019-01-25 12:57:05

Local clock offset: -0.128 ms

Remote clock offset: 0.087 ms

Below is generated by plot.py at 2019-01-25 16:08:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.06 Mbit/s

95th percentile per-packet one-way delay: 47.802 ms

Loss rate: 0.00%

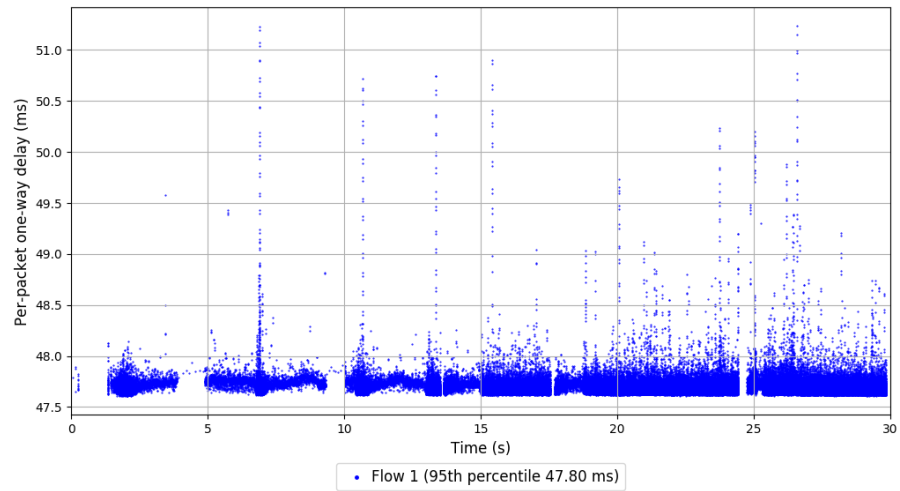
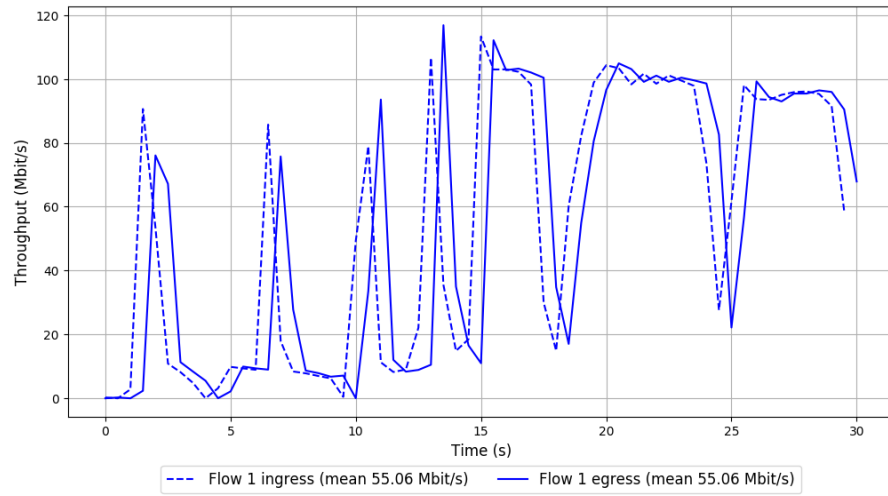
-- Flow 1:

Average throughput: 55.06 Mbit/s

95th percentile per-packet one-way delay: 47.802 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-01-25 13:27:48

End at: 2019-01-25 13:28:19

Local clock offset: -0.072 ms

Remote clock offset: -0.074 ms

Below is generated by plot.py at 2019-01-25 16:08:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.33 Mbit/s

95th percentile per-packet one-way delay: 47.368 ms

Loss rate: 0.00%

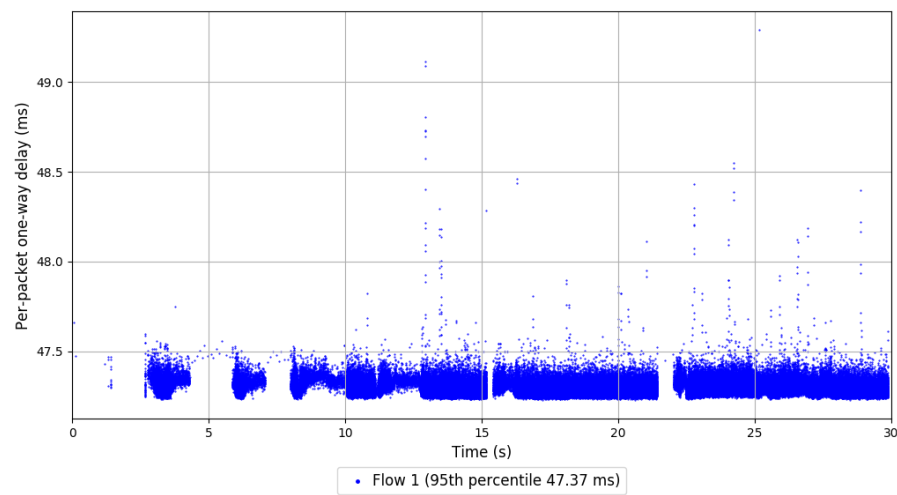
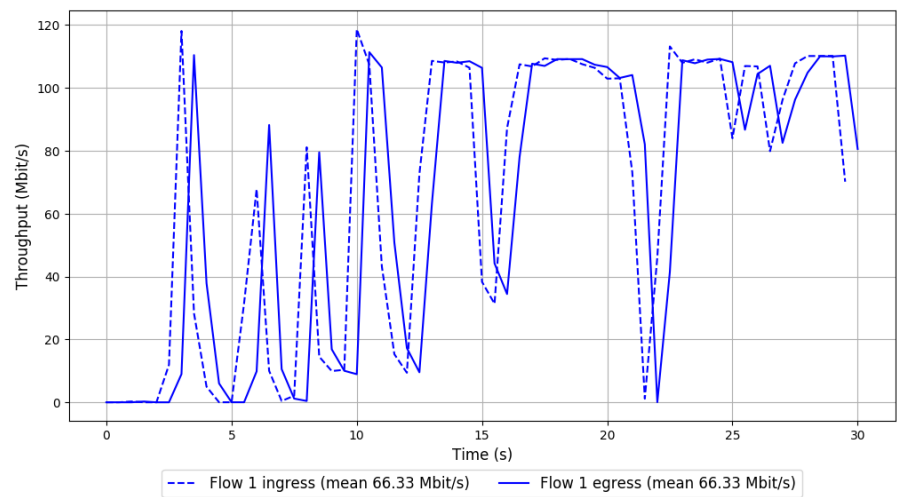
-- Flow 1:

Average throughput: 66.33 Mbit/s

95th percentile per-packet one-way delay: 47.368 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-01-25 13:59:00

End at: 2019-01-25 13:59:30

Local clock offset: -0.14 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2019-01-25 16:08:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.98 Mbit/s

95th percentile per-packet one-way delay: 47.225 ms

Loss rate: 0.00%

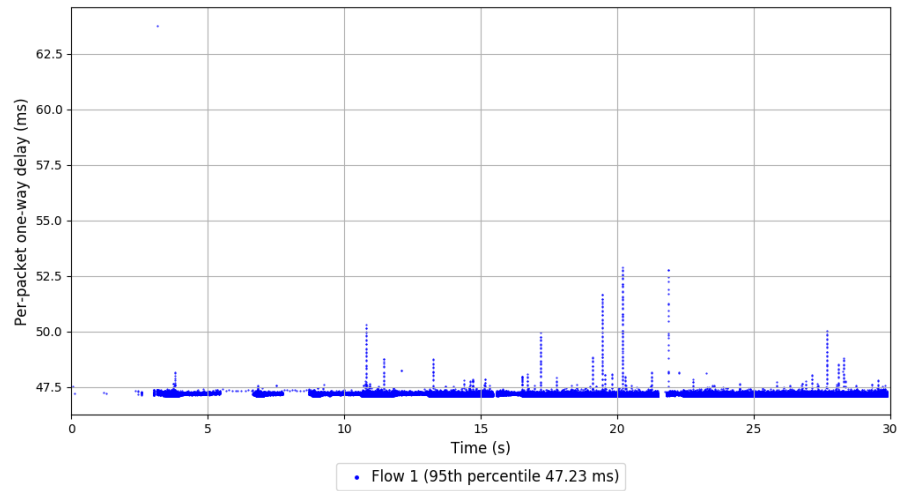
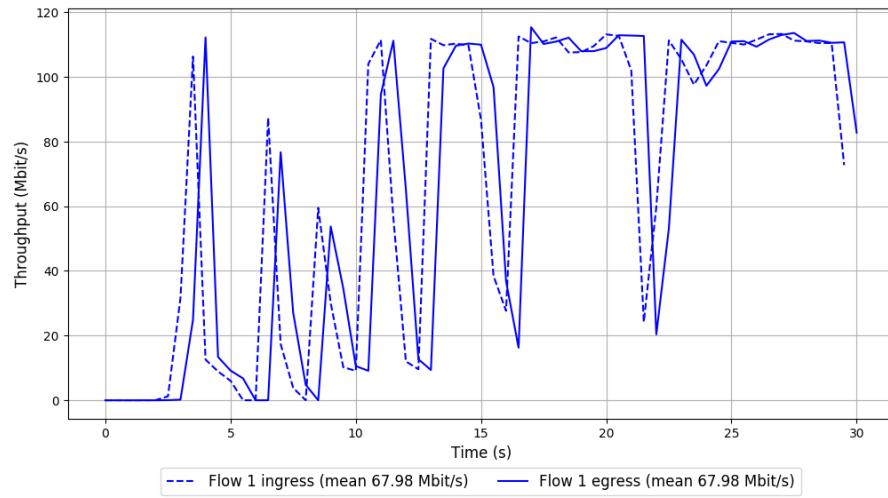
-- Flow 1:

Average throughput: 67.98 Mbit/s

95th percentile per-packet one-way delay: 47.225 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

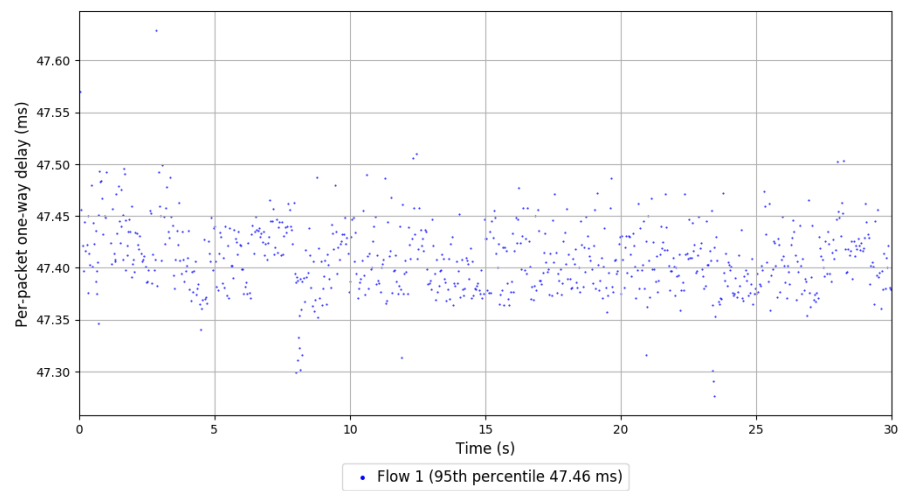
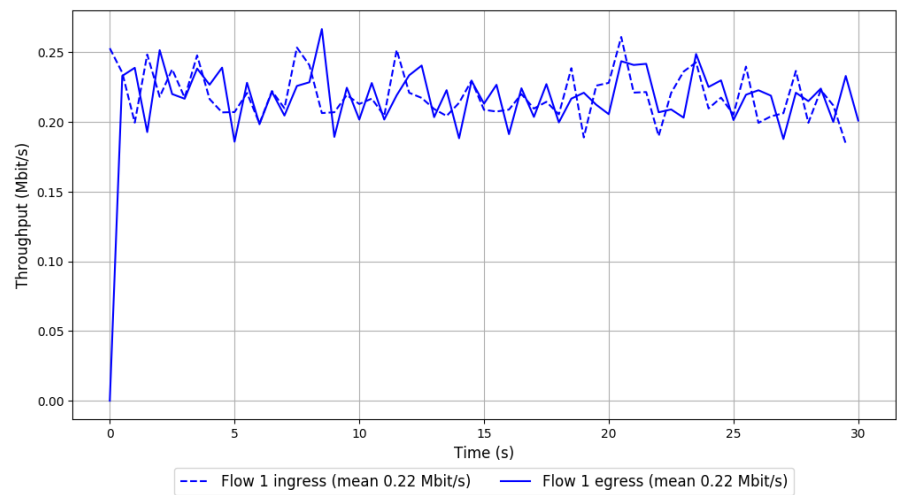


Run 1: Statistics of SCReAM

Start at: 2019-01-25 11:37:51
End at: 2019-01-25 11:38:21
Local clock offset: -0.003 ms
Remote clock offset: -0.133 ms

Below is generated by plot.py at 2019-01-25 16:08:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.463 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.463 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2019-01-25 12:08:56

End at: 2019-01-25 12:09:26

Local clock offset: -0.106 ms

Remote clock offset: 0.16 ms

Below is generated by plot.py at 2019-01-25 16:08:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 47.719 ms

Loss rate: 0.00%

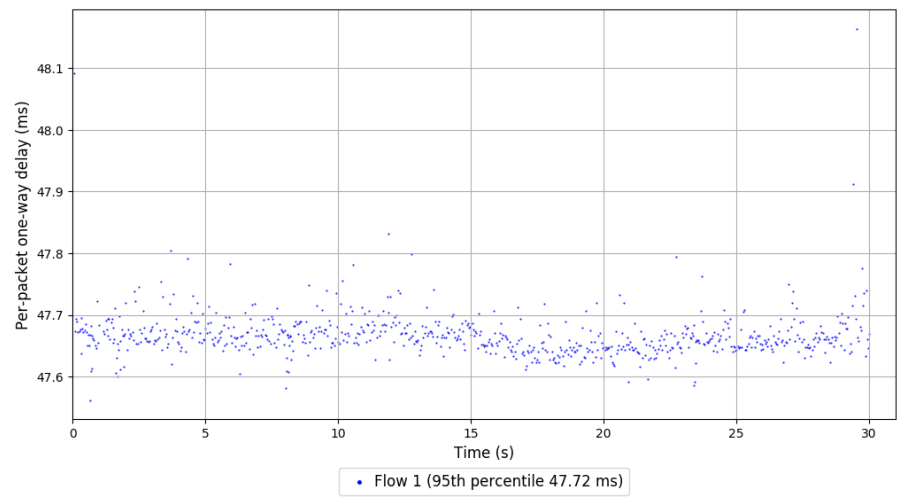
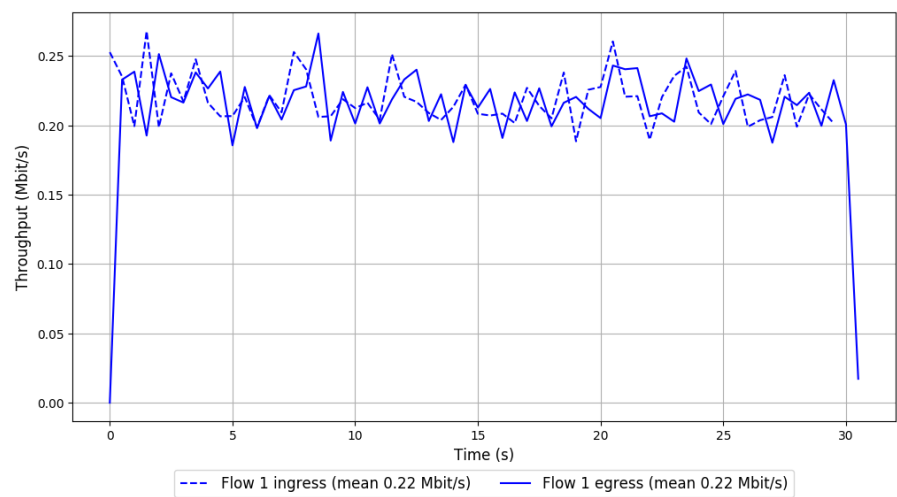
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 47.719 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2019-01-25 12:40:05

End at: 2019-01-25 12:40:35

Local clock offset: -0.127 ms

Remote clock offset: 0.064 ms

Below is generated by plot.py at 2019-01-25 16:08:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 47.670 ms

Loss rate: 0.00%

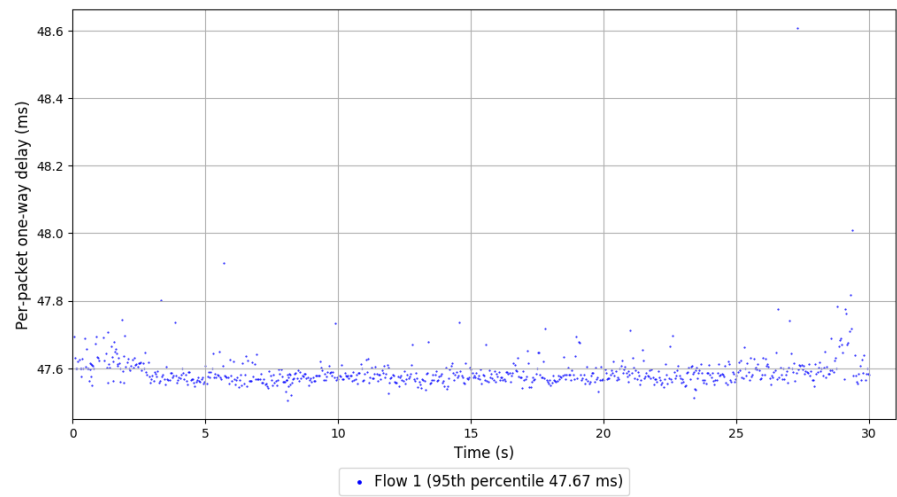
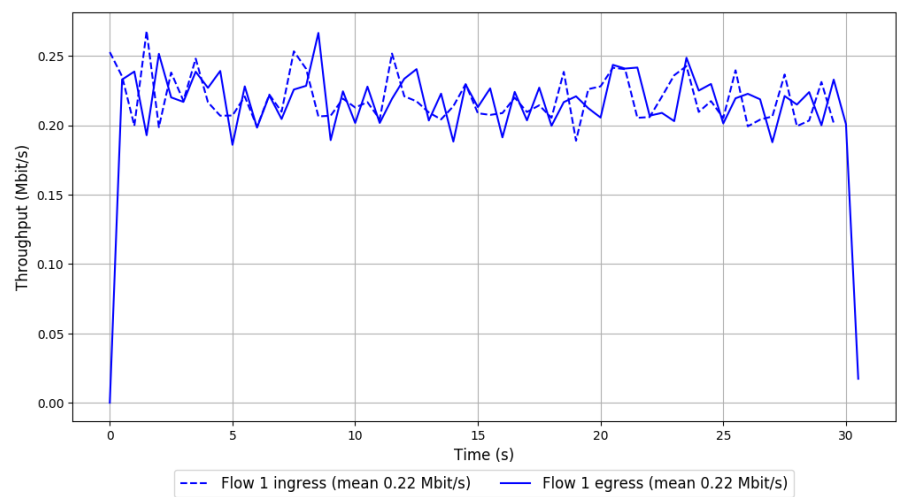
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 47.670 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2019-01-25 13:11:11

End at: 2019-01-25 13:11:41

Local clock offset: -0.081 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2019-01-25 16:08:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 47.467 ms

Loss rate: 0.00%

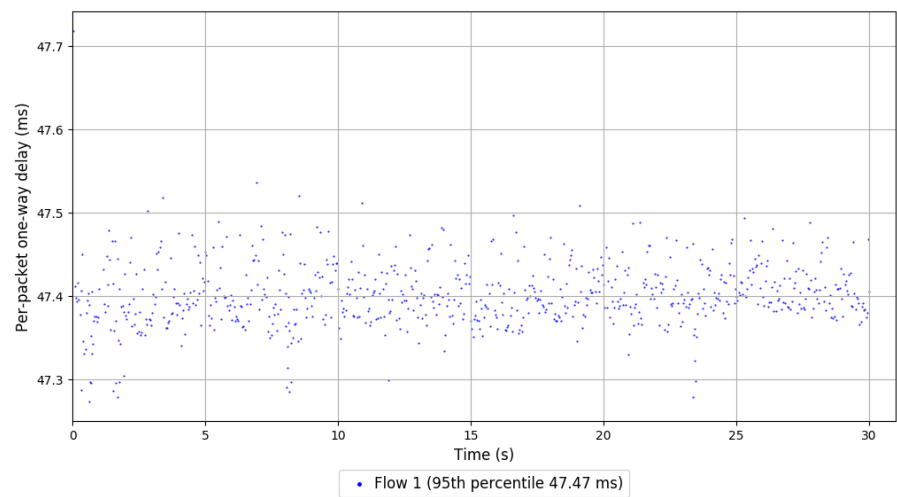
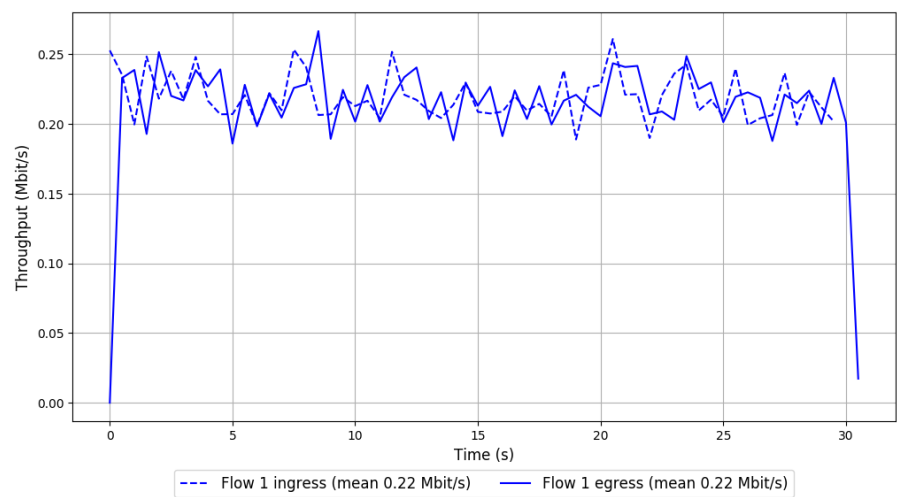
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 47.467 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2019-01-25 13:42:29

End at: 2019-01-25 13:42:59

Local clock offset: 0.278 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2019-01-25 16:08:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.052 ms

Loss rate: 0.00%

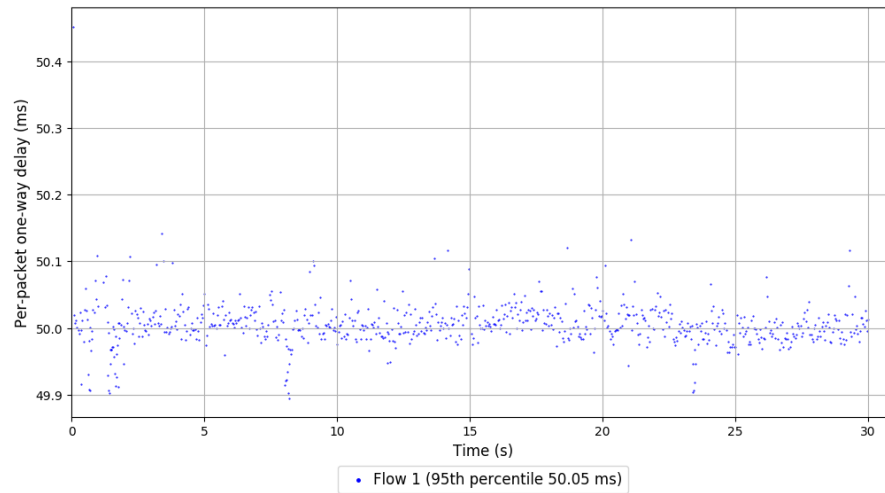
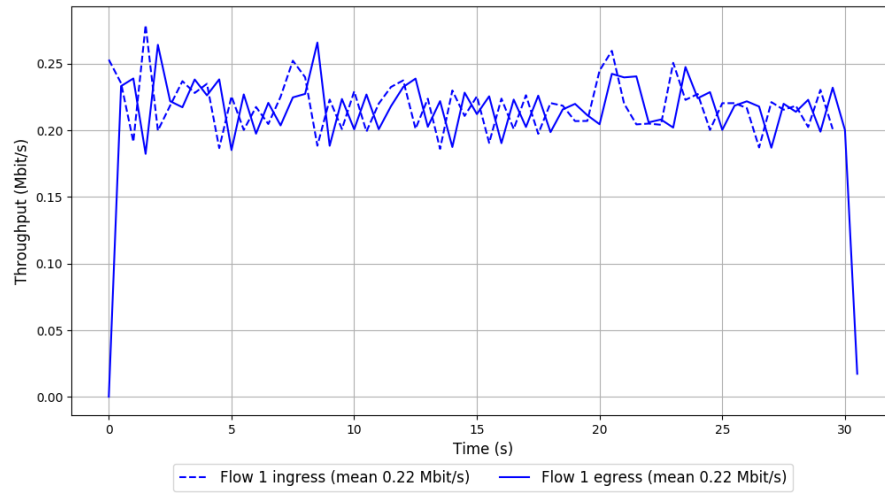
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.052 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

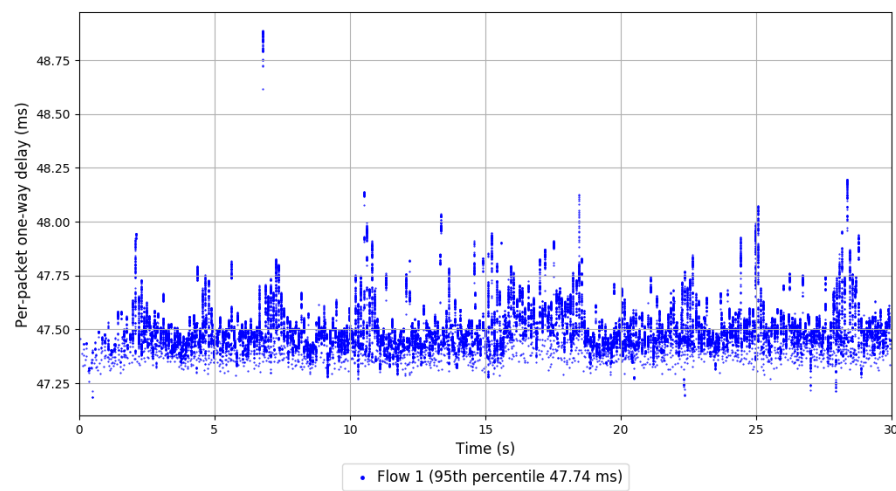
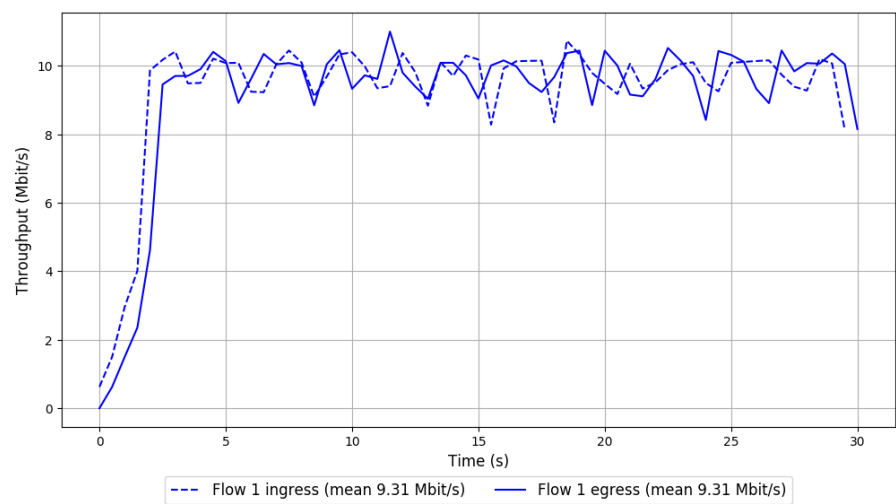


Run 1: Statistics of Sprout

Start at: 2019-01-25 11:59:38
End at: 2019-01-25 12:00:08
Local clock offset: 0.035 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2019-01-25 16:08:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.31 Mbit/s
95th percentile per-packet one-way delay: 47.743 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.31 Mbit/s
95th percentile per-packet one-way delay: 47.743 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

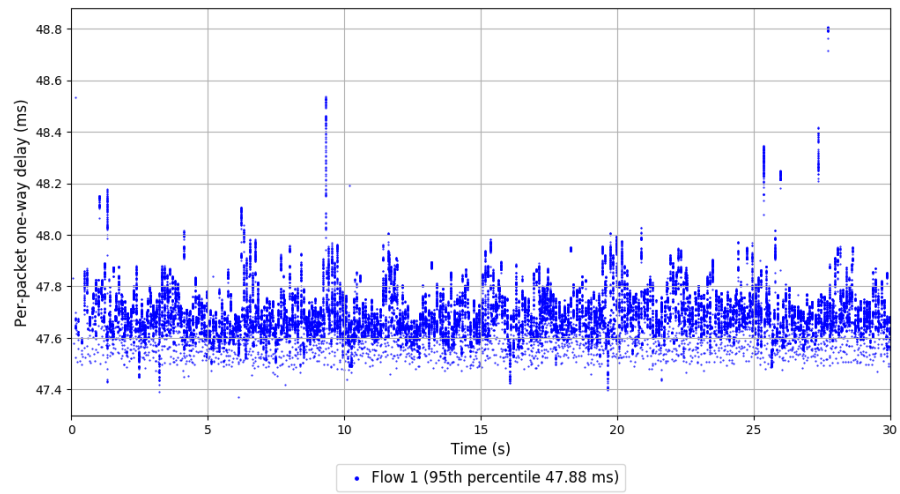
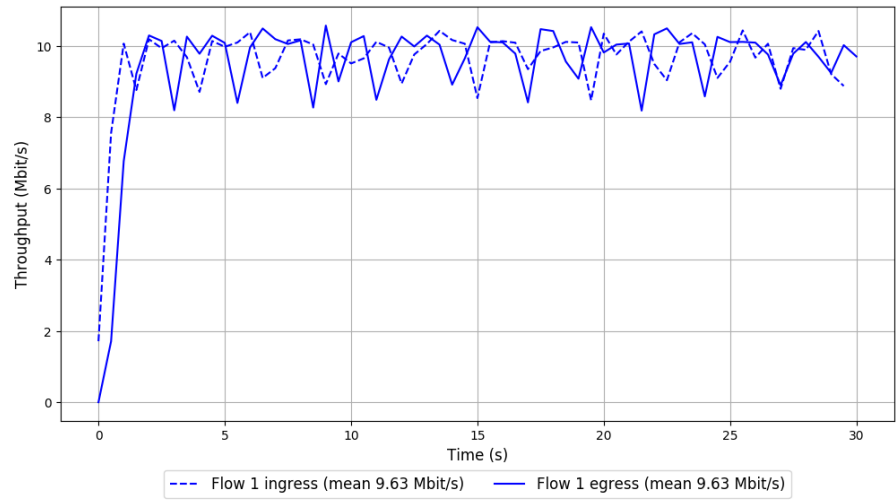


Run 2: Statistics of Sprout

Start at: 2019-01-25 12:30:52
End at: 2019-01-25 12:31:22
Local clock offset: -0.001 ms
Remote clock offset: 0.1 ms

Below is generated by plot.py at 2019-01-25 16:08:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.63 Mbit/s
95th percentile per-packet one-way delay: 47.885 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.63 Mbit/s
95th percentile per-packet one-way delay: 47.885 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

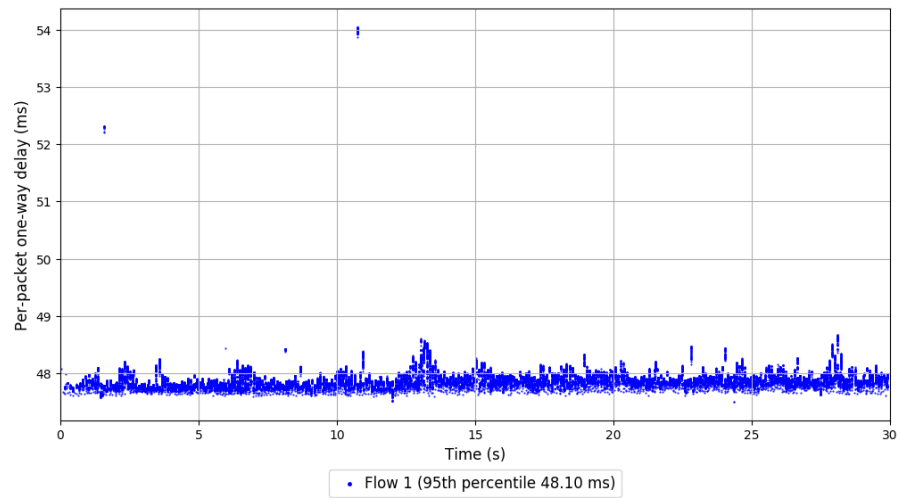
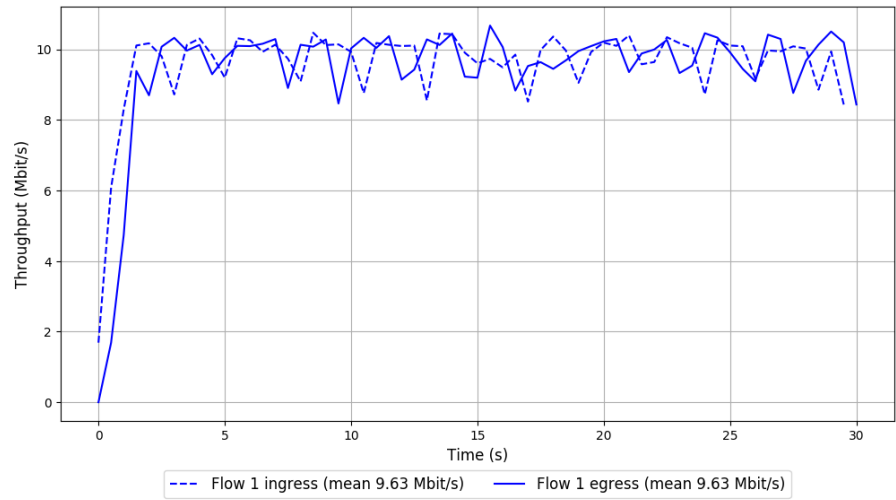


Run 3: Statistics of Sprout

Start at: 2019-01-25 13:02:00
End at: 2019-01-25 13:02:30
Local clock offset: -0.123 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2019-01-25 16:08:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.63 Mbit/s
95th percentile per-packet one-way delay: 48.105 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.63 Mbit/s
95th percentile per-packet one-way delay: 48.105 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

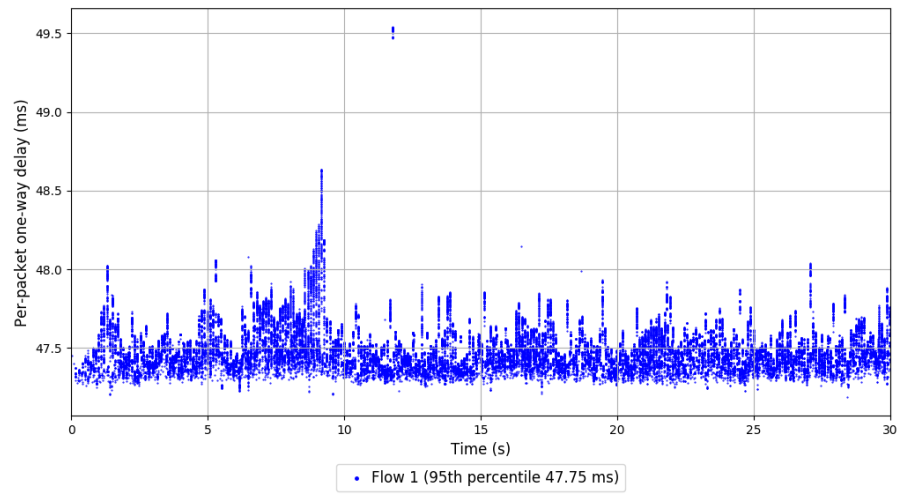
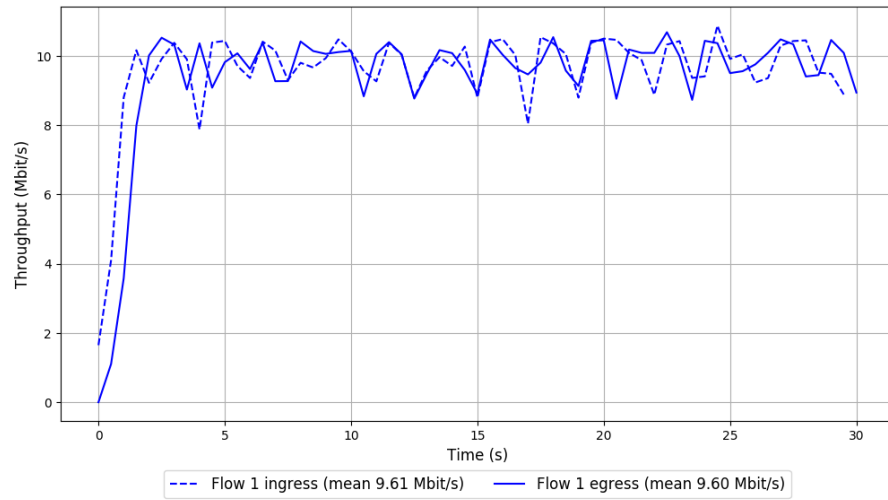


Run 4: Statistics of Sprout

Start at: 2019-01-25 13:33:16
End at: 2019-01-25 13:33:46
Local clock offset: 0.063 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2019-01-25 16:08:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.60 Mbit/s
95th percentile per-packet one-way delay: 47.751 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 9.60 Mbit/s
95th percentile per-packet one-way delay: 47.751 ms
Loss rate: 0.07%

Run 4: Report of Sprout — Data Link

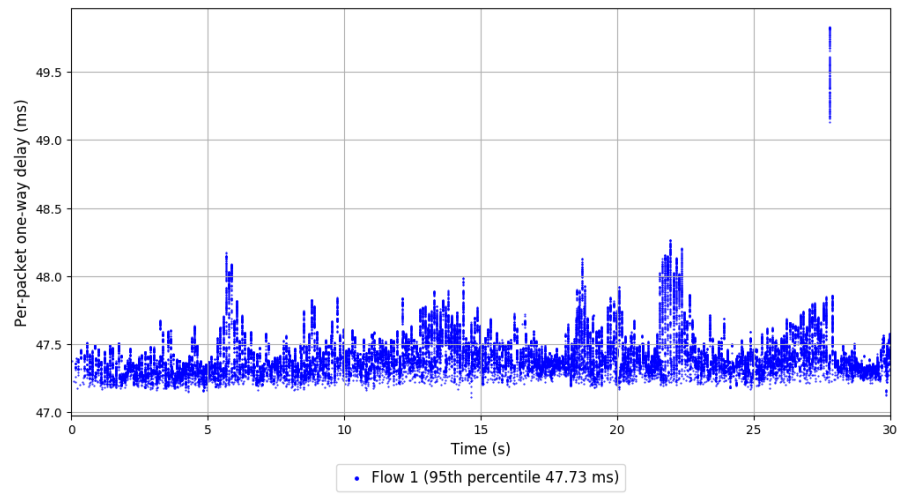
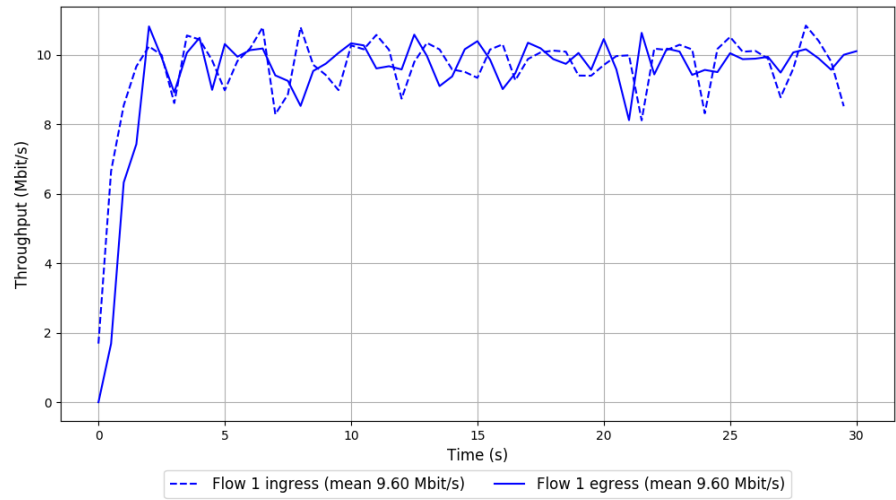


Run 5: Statistics of Sprout

Start at: 2019-01-25 14:04:26
End at: 2019-01-25 14:04:56
Local clock offset: -0.146 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2019-01-25 16:08:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.60 Mbit/s
95th percentile per-packet one-way delay: 47.731 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.60 Mbit/s
95th percentile per-packet one-way delay: 47.731 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

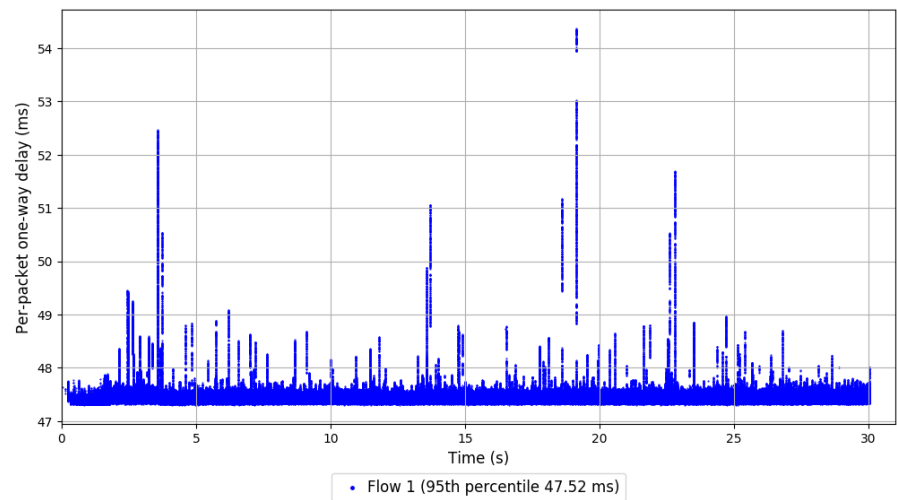
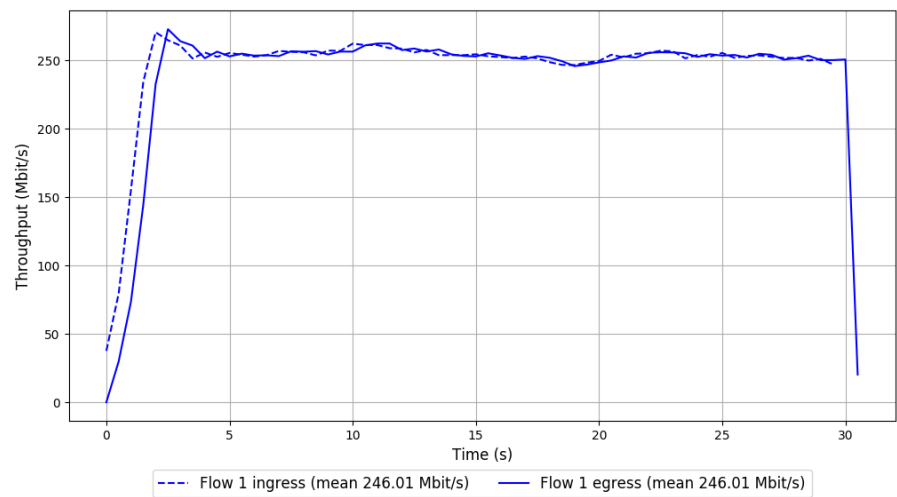


Run 1: Statistics of TaoVA-100x

Start at: 2019-01-25 11:46:42
End at: 2019-01-25 11:47:12
Local clock offset: -0.058 ms
Remote clock offset: -0.166 ms

Below is generated by plot.py at 2019-01-25 16:08:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 246.01 Mbit/s
95th percentile per-packet one-way delay: 47.518 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 246.01 Mbit/s
95th percentile per-packet one-way delay: 47.518 ms
Loss rate: 0.00%

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



Run 2: Statistics of TaoVA-100x

Start at: 2019-01-25 12:17:48

End at: 2019-01-25 12:18:18

Local clock offset: -0.106 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2019-01-25 16:08:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 247.66 Mbit/s

95th percentile per-packet one-way delay: 47.518 ms

Loss rate: 0.00%

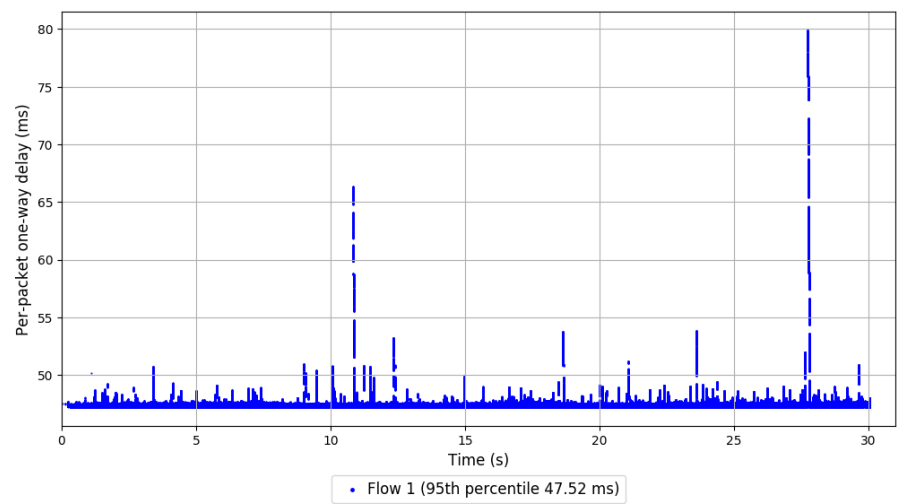
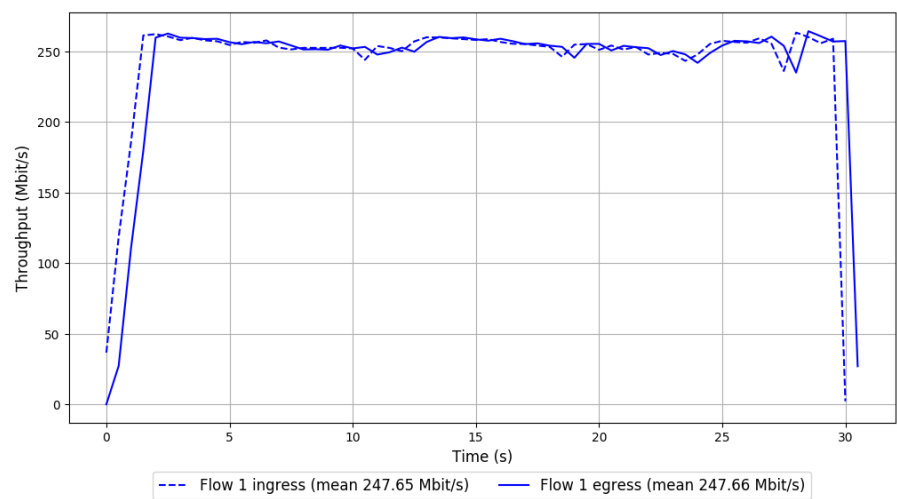
-- Flow 1:

Average throughput: 247.66 Mbit/s

95th percentile per-packet one-way delay: 47.518 ms

Loss rate: 0.00%

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

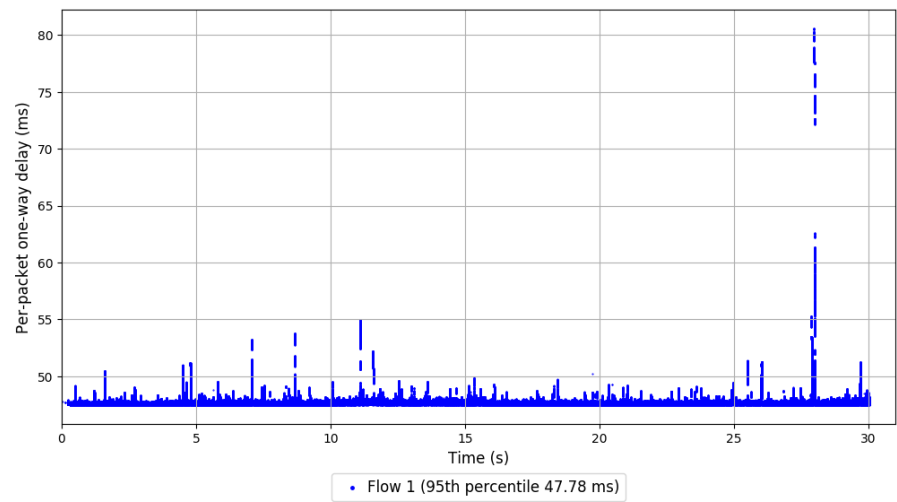
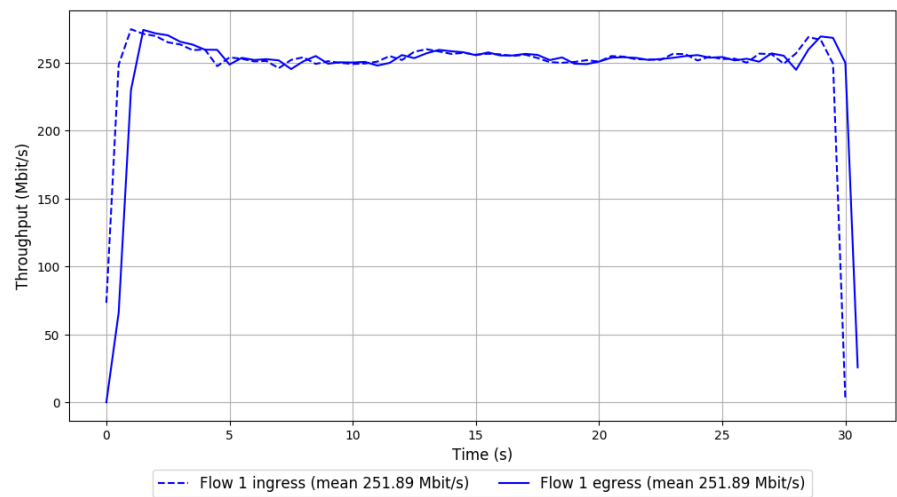


Run 3: Statistics of TaoVA-100x

Start at: 2019-01-25 12:49:03
End at: 2019-01-25 12:49:33
Local clock offset: -0.492 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2019-01-25 16:08:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 251.89 Mbit/s
95th percentile per-packet one-way delay: 47.781 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 251.89 Mbit/s
95th percentile per-packet one-way delay: 47.781 ms
Loss rate: 0.00%

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

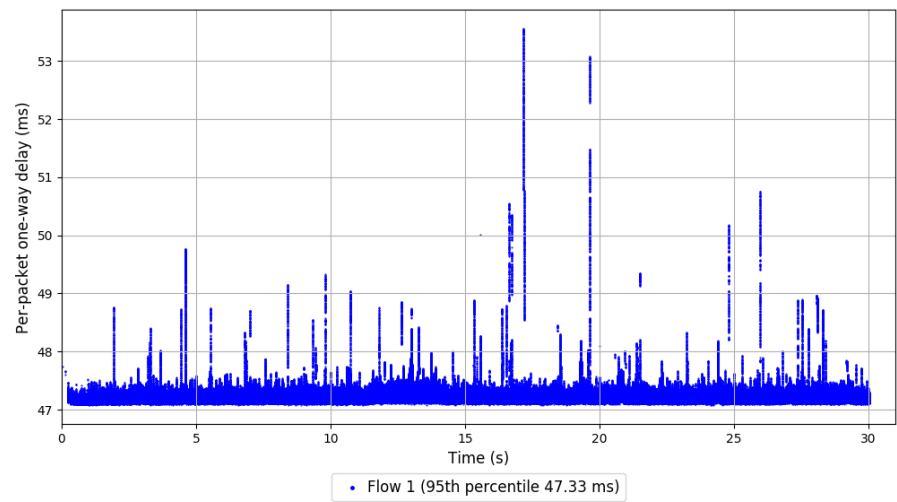
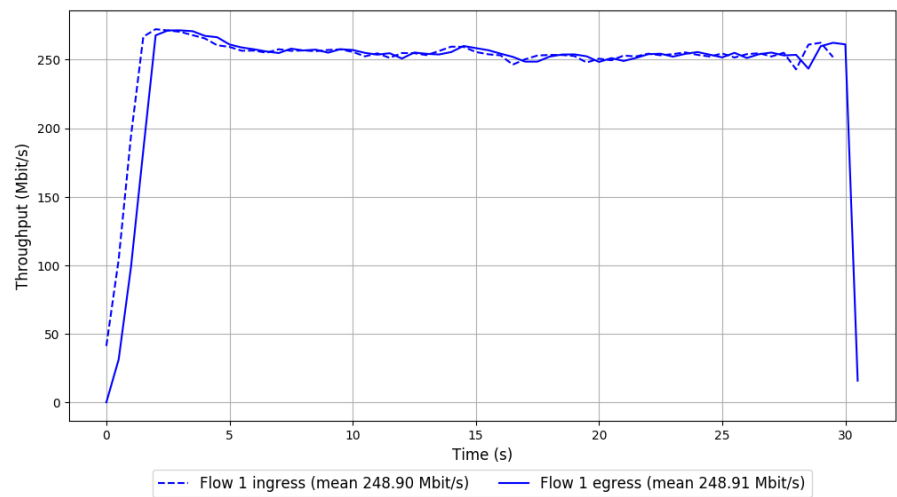


Run 4: Statistics of TaoVA-100x

Start at: 2019-01-25 13:20:14
End at: 2019-01-25 13:20:44
Local clock offset: -0.025 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2019-01-25 16:08:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 248.91 Mbit/s
95th percentile per-packet one-way delay: 47.329 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 248.91 Mbit/s
95th percentile per-packet one-way delay: 47.329 ms
Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2019-01-25 13:51:26

End at: 2019-01-25 13:51:56

Local clock offset: -0.137 ms

Remote clock offset: 0.062 ms

Below is generated by plot.py at 2019-01-25 16:08:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 249.96 Mbit/s

95th percentile per-packet one-way delay: 47.610 ms

Loss rate: 0.00%

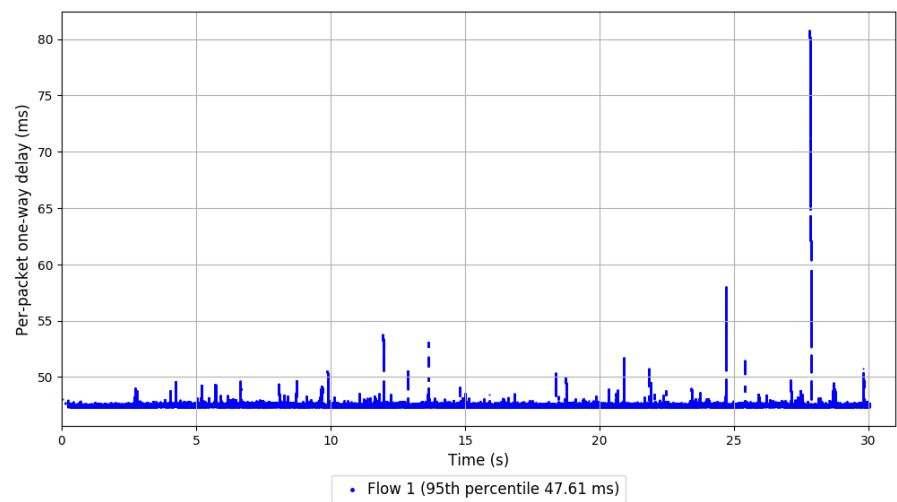
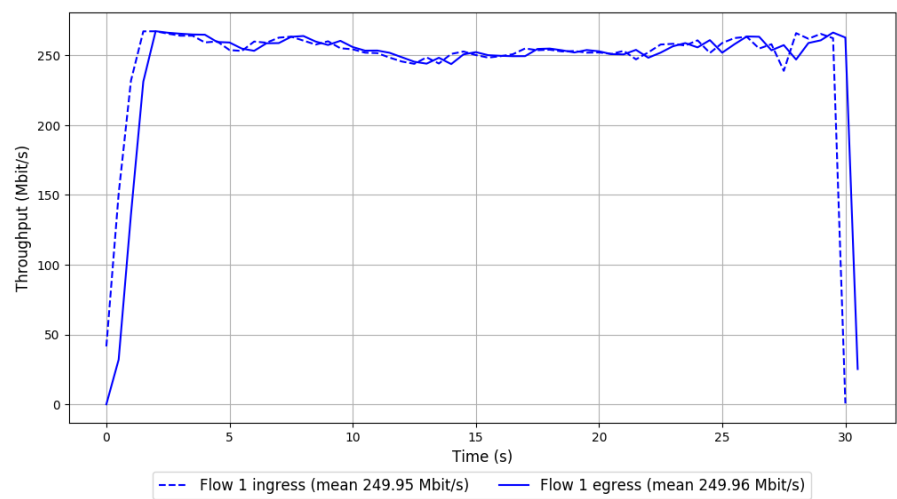
-- Flow 1:

Average throughput: 249.96 Mbit/s

95th percentile per-packet one-way delay: 47.610 ms

Loss rate: 0.00%

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

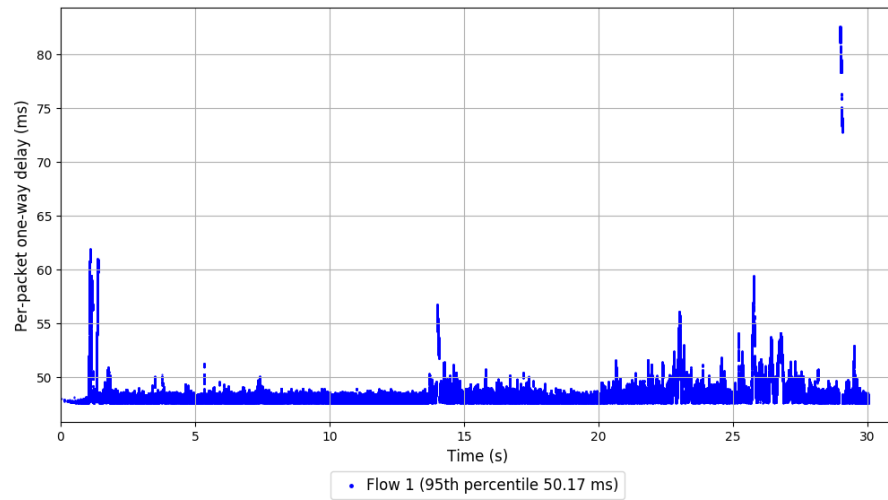
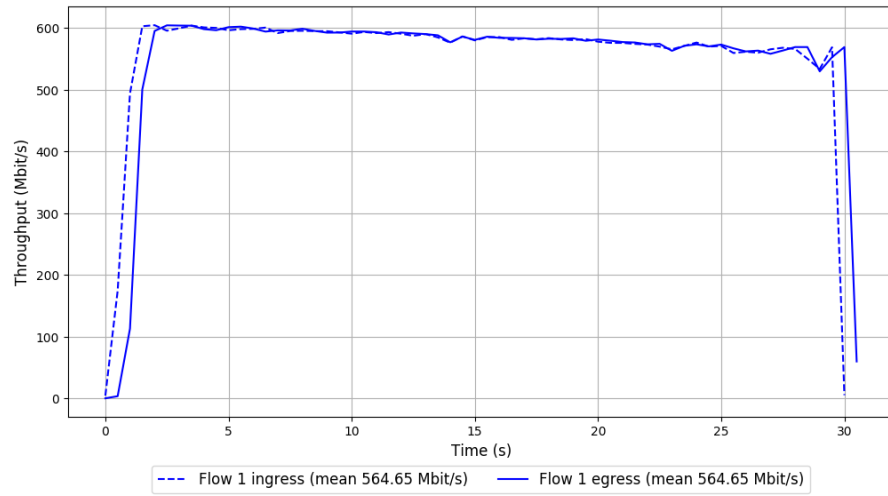


Run 1: Statistics of TCP Vegas

Start at: 2019-01-25 12:04:01
End at: 2019-01-25 12:04:31
Local clock offset: -0.102 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2019-01-25 16:14:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 564.65 Mbit/s
95th percentile per-packet one-way delay: 50.170 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 564.65 Mbit/s
95th percentile per-packet one-way delay: 50.170 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

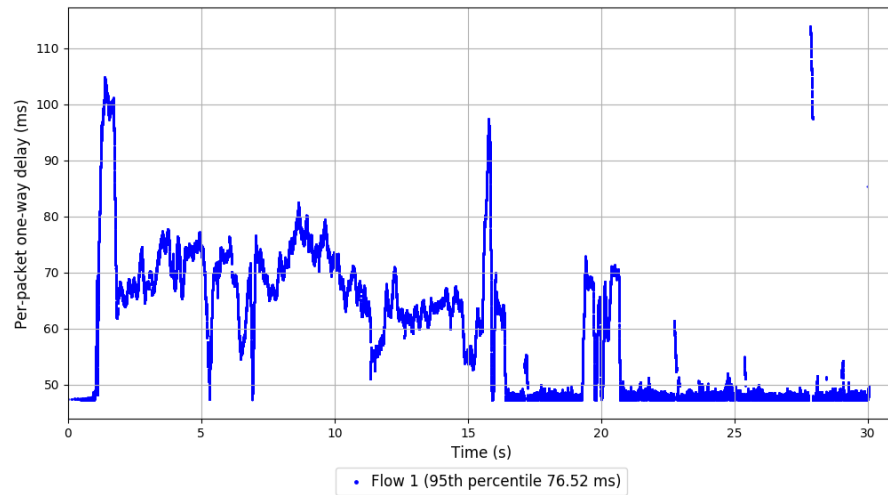
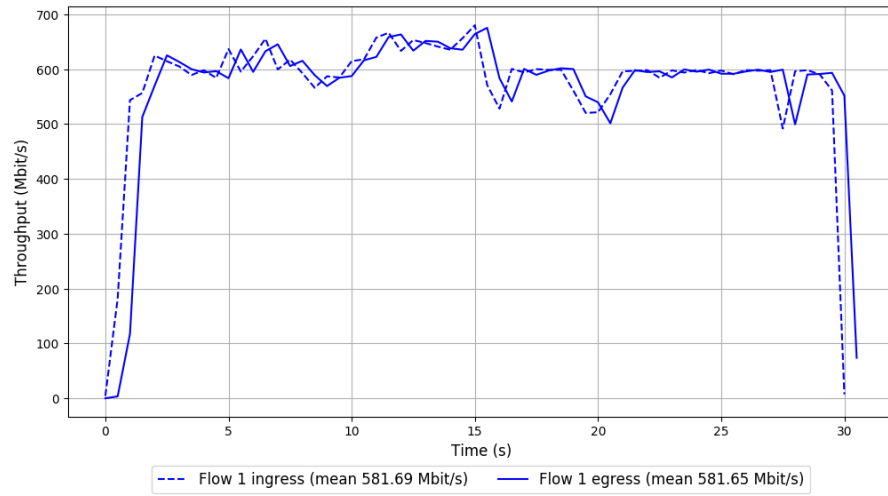


Run 2: Statistics of TCP Vegas

Start at: 2019-01-25 12:35:15
End at: 2019-01-25 12:35:45
Local clock offset: -0.094 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2019-01-25 16:16:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 581.65 Mbit/s
95th percentile per-packet one-way delay: 76.517 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 581.65 Mbit/s
95th percentile per-packet one-way delay: 76.517 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

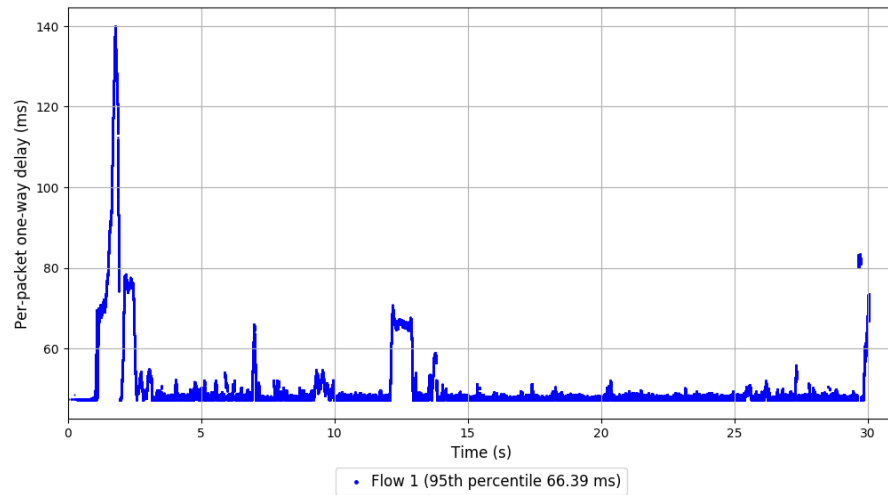
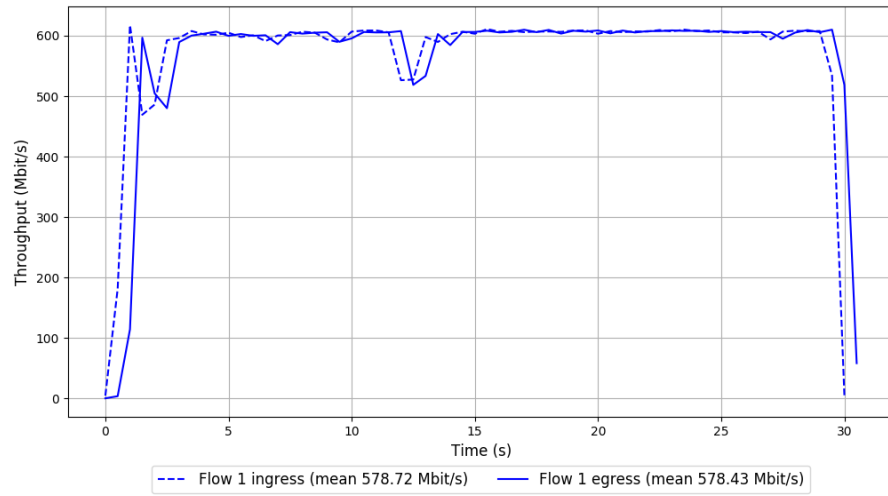


Run 3: Statistics of TCP Vegas

Start at: 2019-01-25 13:06:22
End at: 2019-01-25 13:06:52
Local clock offset: -0.041 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2019-01-25 16:17:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 578.43 Mbit/s
95th percentile per-packet one-way delay: 66.392 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 578.43 Mbit/s
95th percentile per-packet one-way delay: 66.392 ms
Loss rate: 0.05%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2019-01-25 13:37:39

End at: 2019-01-25 13:38:09

Local clock offset: -0.064 ms

Remote clock offset: 0.089 ms

Below is generated by plot.py at 2019-01-25 16:17:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 514.74 Mbit/s

95th percentile per-packet one-way delay: 58.797 ms

Loss rate: 0.00%

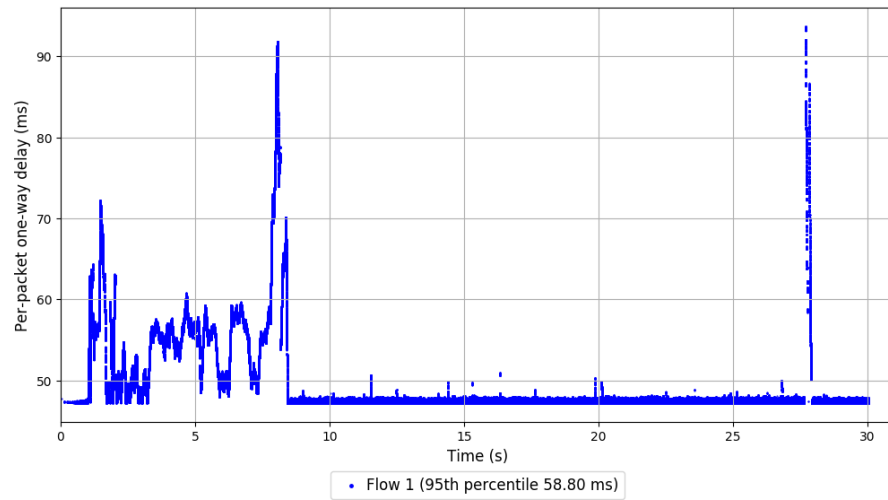
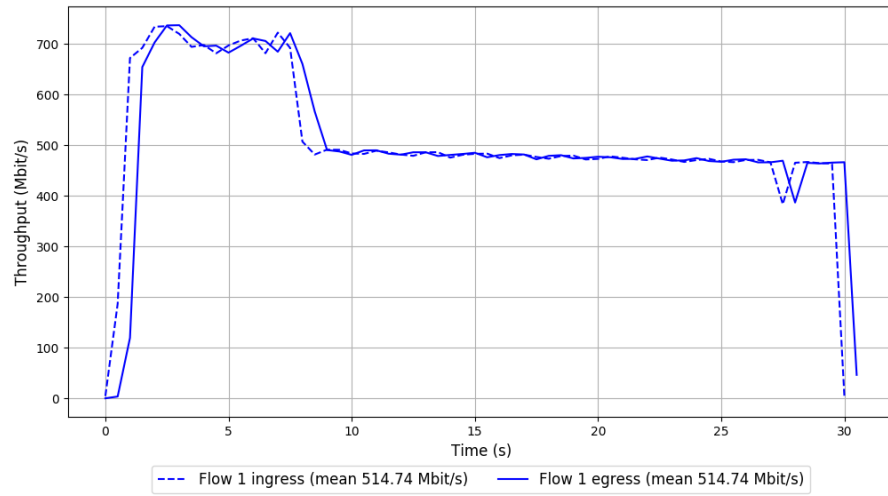
-- Flow 1:

Average throughput: 514.74 Mbit/s

95th percentile per-packet one-way delay: 58.797 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2019-01-25 14:08:49

End at: 2019-01-25 14:09:19

Local clock offset: -0.153 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2019-01-25 16:17:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 363.60 Mbit/s

95th percentile per-packet one-way delay: 49.122 ms

Loss rate: 0.00%

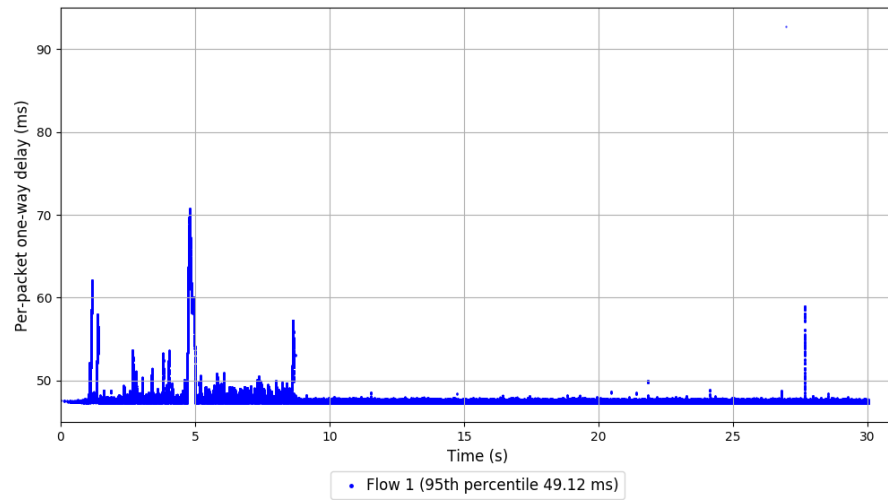
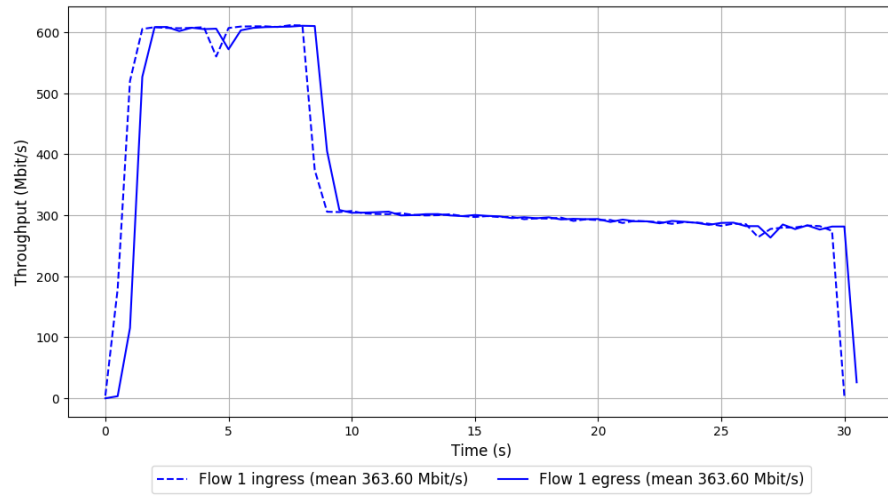
-- Flow 1:

Average throughput: 363.60 Mbit/s

95th percentile per-packet one-way delay: 49.122 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

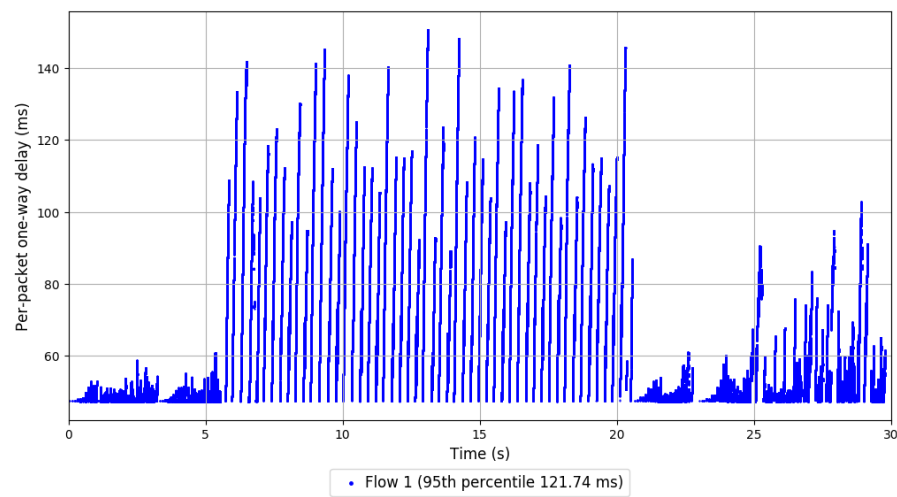
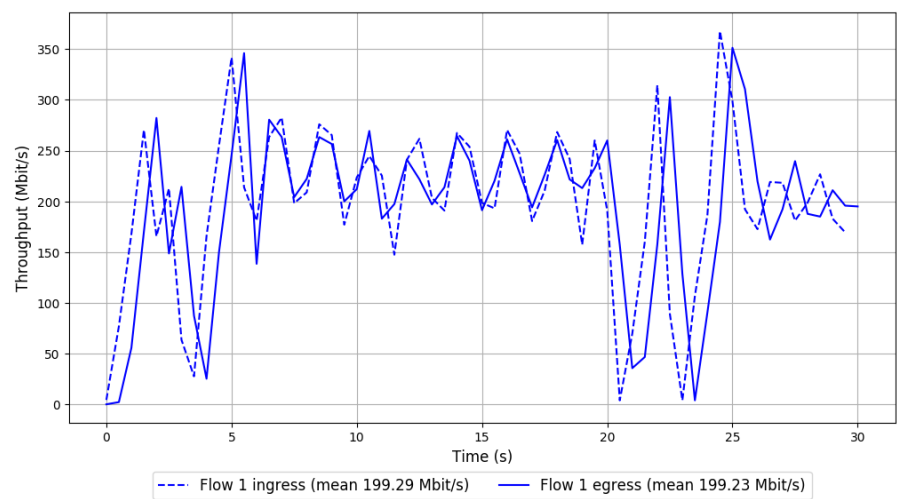


Run 1: Statistics of Verus

Start at: 2019-01-25 11:38:59
End at: 2019-01-25 11:39:29
Local clock offset: -0.012 ms
Remote clock offset: -0.123 ms

Below is generated by plot.py at 2019-01-25 16:17:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 199.23 Mbit/s
95th percentile per-packet one-way delay: 121.740 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 199.23 Mbit/s
95th percentile per-packet one-way delay: 121.740 ms
Loss rate: 0.00%

Run 1: Report of Verus — Data Link

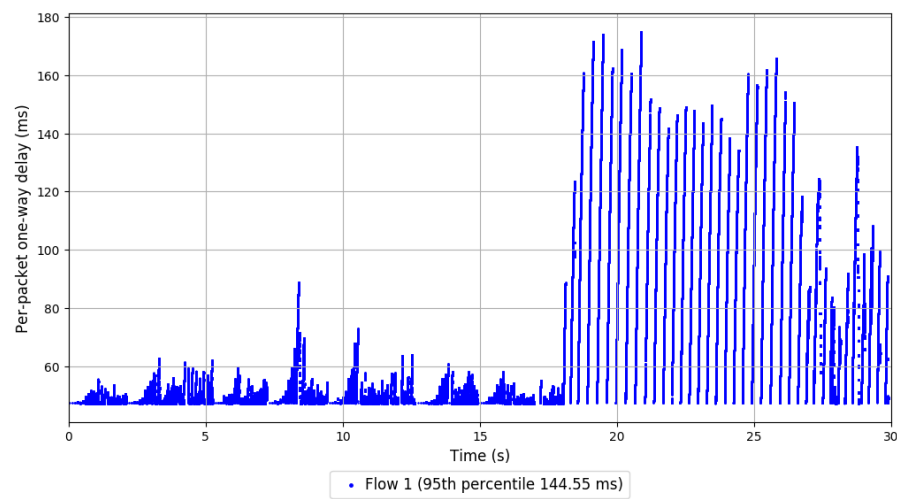
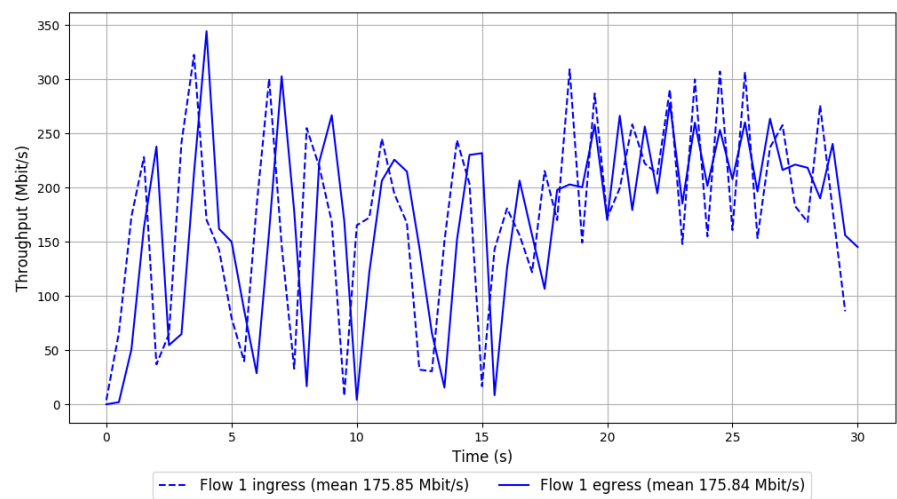


Run 2: Statistics of Verus

Start at: 2019-01-25 12:10:04
End at: 2019-01-25 12:10:34
Local clock offset: -0.006 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2019-01-25 16:17:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 175.84 Mbit/s
95th percentile per-packet one-way delay: 144.546 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 175.84 Mbit/s
95th percentile per-packet one-way delay: 144.546 ms
Loss rate: 0.00%

Run 2: Report of Verus — Data Link

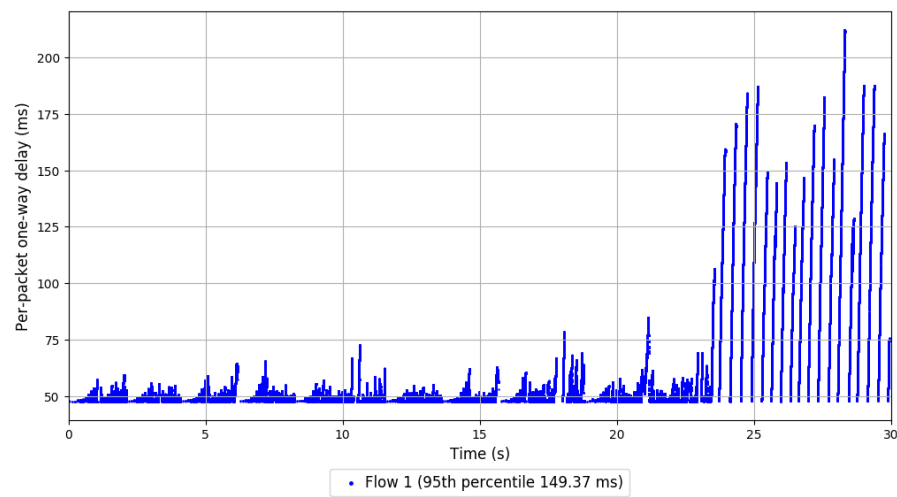
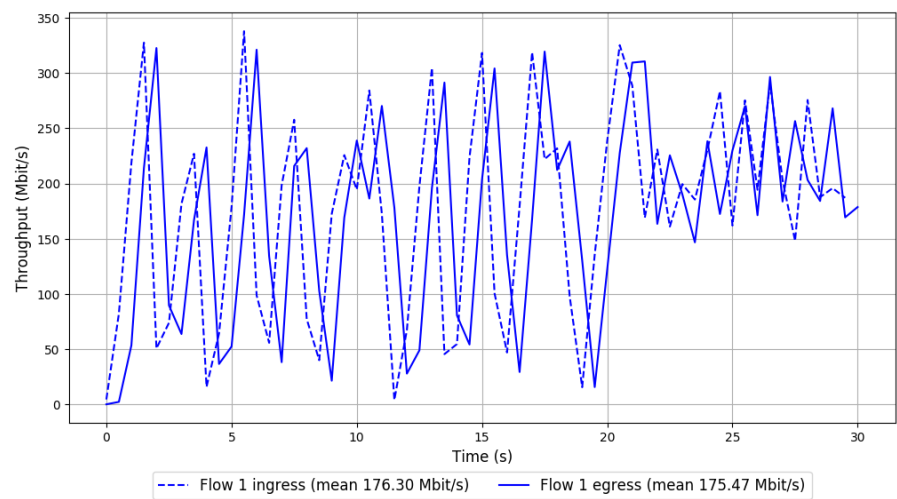


Run 3: Statistics of Verus

Start at: 2019-01-25 12:41:13
End at: 2019-01-25 12:41:43
Local clock offset: -0.401 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2019-01-25 16:17:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 175.47 Mbit/s
95th percentile per-packet one-way delay: 149.369 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 175.47 Mbit/s
95th percentile per-packet one-way delay: 149.369 ms
Loss rate: 0.47%

Run 3: Report of Verus — Data Link

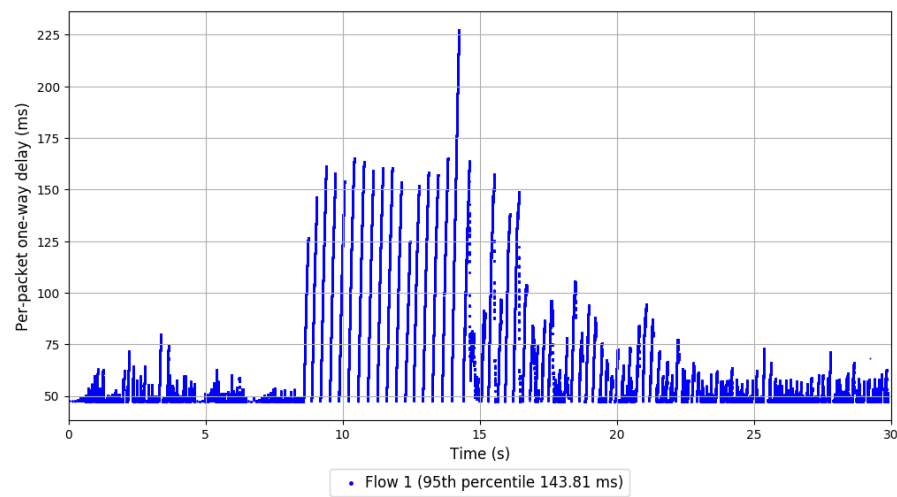
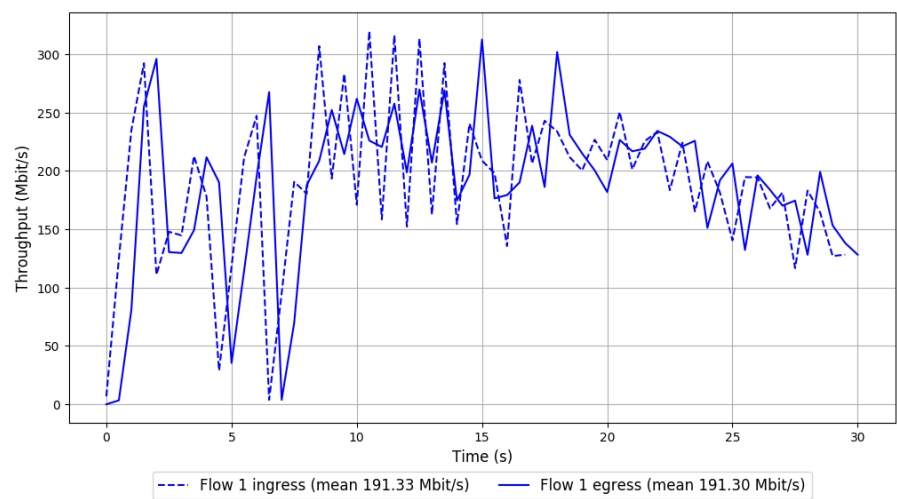


Run 4: Statistics of Verus

Start at: 2019-01-25 13:12:18
End at: 2019-01-25 13:12:48
Local clock offset: -0.011 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2019-01-25 16:20:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 191.30 Mbit/s
95th percentile per-packet one-way delay: 143.807 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 191.30 Mbit/s
95th percentile per-packet one-way delay: 143.807 ms
Loss rate: 0.00%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2019-01-25 13:43:36

End at: 2019-01-25 13:44:06

Local clock offset: -0.094 ms

Remote clock offset: 0.075 ms

Below is generated by plot.py at 2019-01-25 16:20:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 153.12 Mbit/s

95th percentile per-packet one-way delay: 66.842 ms

Loss rate: 0.04%

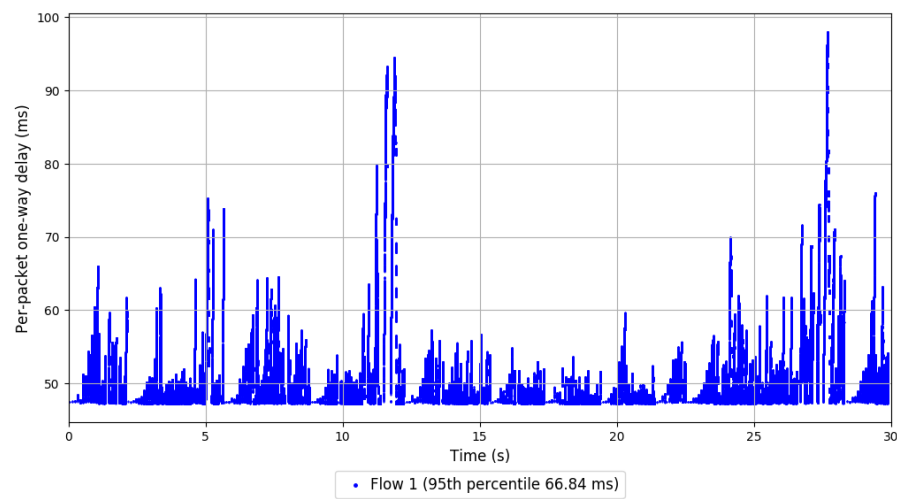
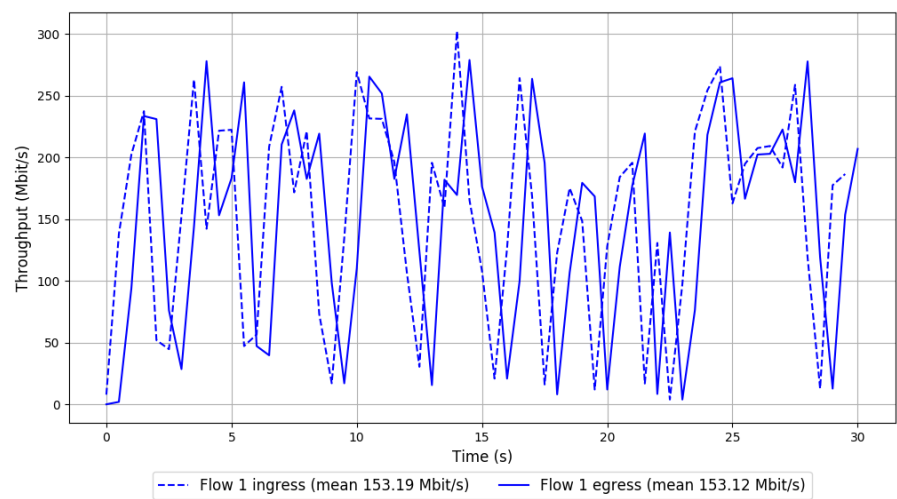
-- Flow 1:

Average throughput: 153.12 Mbit/s

95th percentile per-packet one-way delay: 66.842 ms

Loss rate: 0.04%

Run 5: Report of Verus — Data Link

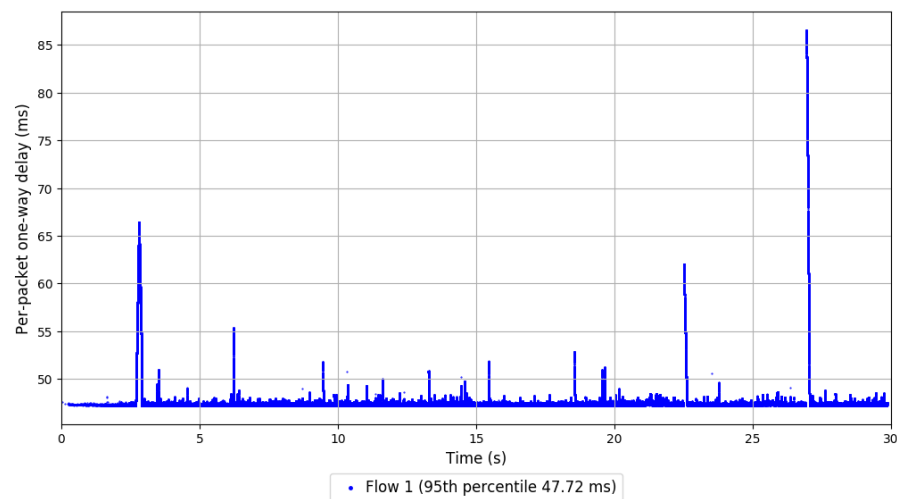
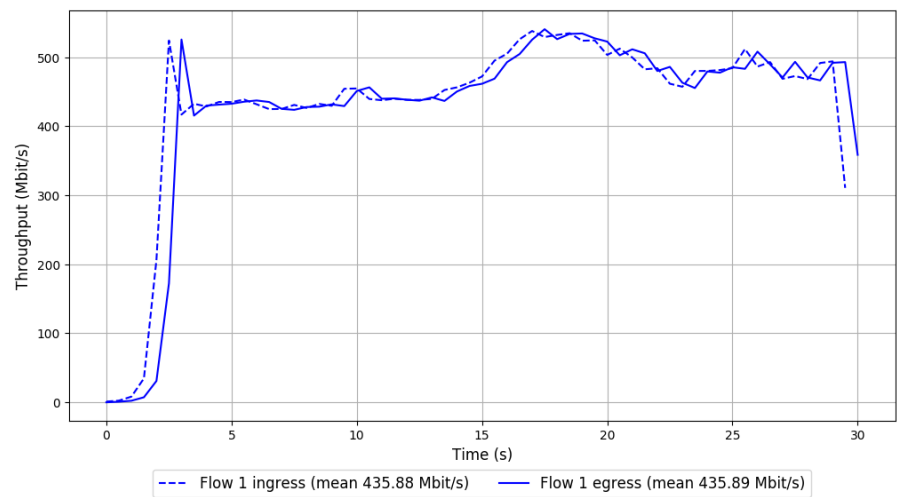


Run 1: Statistics of PCC-Vivace

Start at: 2019-01-25 11:36:16
End at: 2019-01-25 11:36:46
Local clock offset: 0.009 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2019-01-25 16:21:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 435.89 Mbit/s
95th percentile per-packet one-way delay: 47.723 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 435.89 Mbit/s
95th percentile per-packet one-way delay: 47.723 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

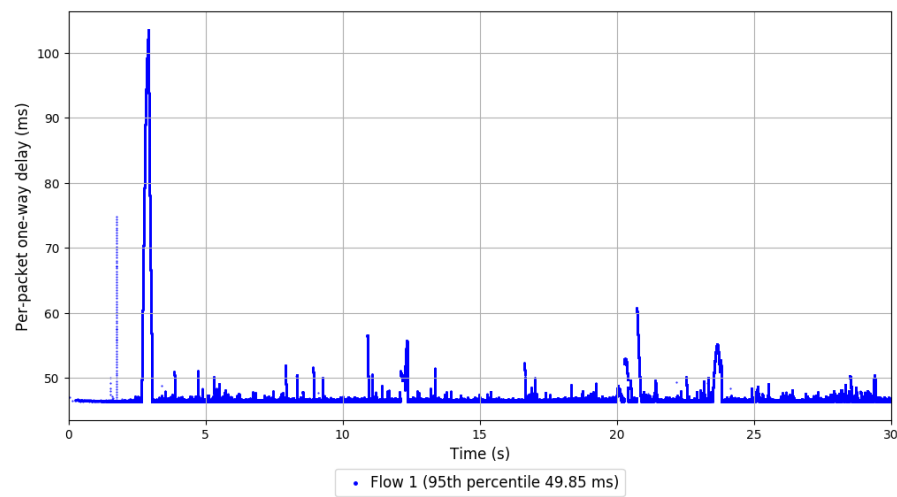
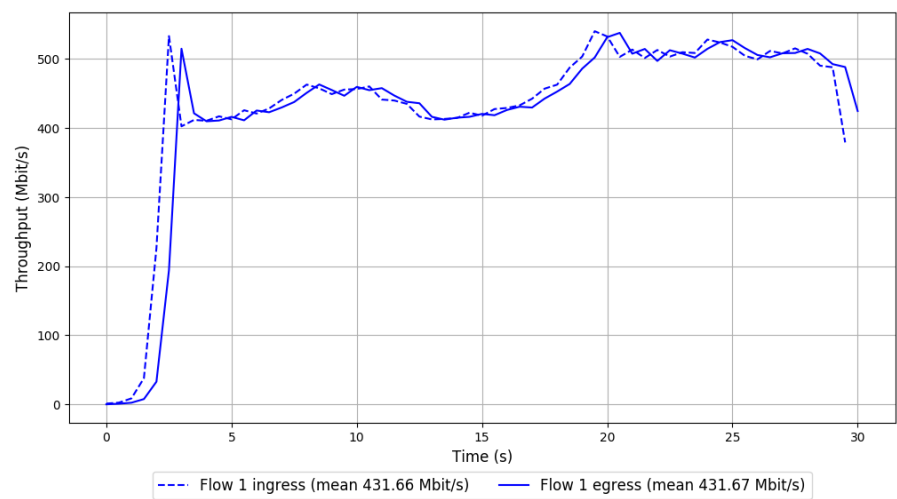


Run 2: Statistics of PCC-Vivace

Start at: 2019-01-25 12:07:21
End at: 2019-01-25 12:07:51
Local clock offset: -0.074 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2019-01-25 16:21:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 431.67 Mbit/s
95th percentile per-packet one-way delay: 49.849 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 431.67 Mbit/s
95th percentile per-packet one-way delay: 49.849 ms
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link

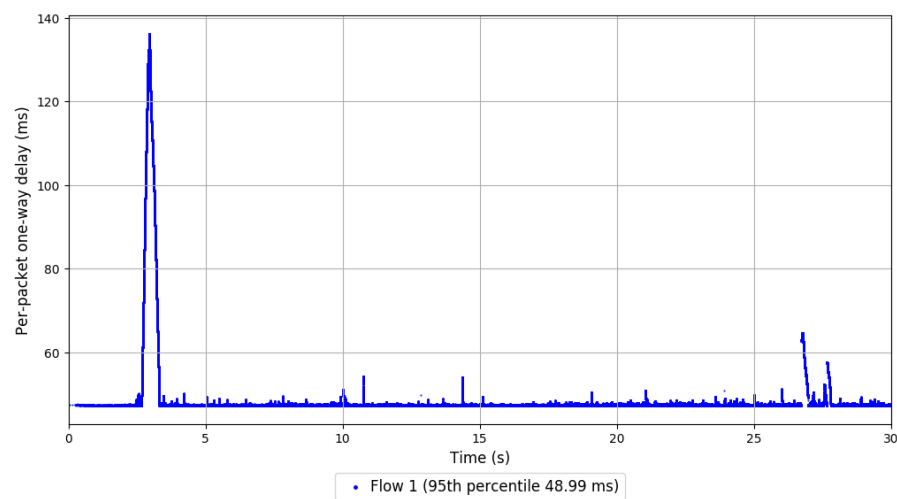
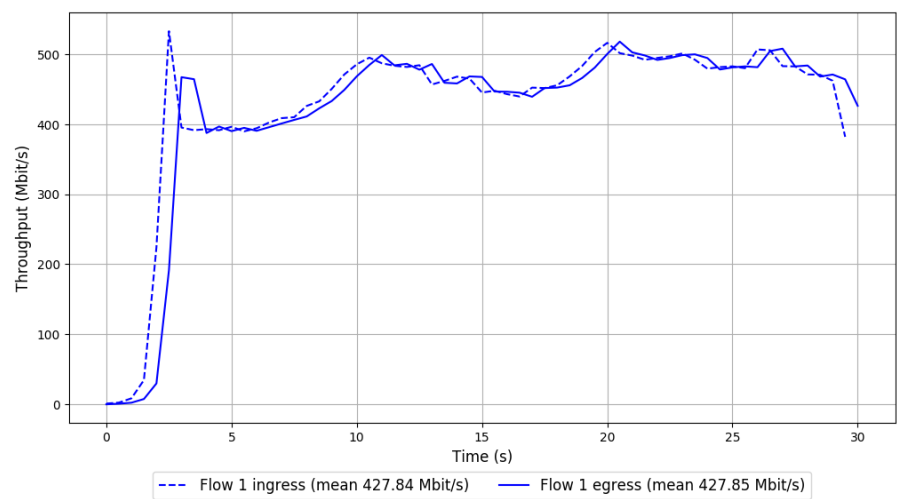


Run 3: Statistics of PCC-Vivace

Start at: 2019-01-25 12:38:30
End at: 2019-01-25 12:39:00
Local clock offset: -0.111 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2019-01-25 16:21:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 427.85 Mbit/s
95th percentile per-packet one-way delay: 48.986 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 427.85 Mbit/s
95th percentile per-packet one-way delay: 48.986 ms
Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-01-25 13:09:42

End at: 2019-01-25 13:10:12

Local clock offset: -0.017 ms

Remote clock offset: 0.054 ms

Below is generated by plot.py at 2019-01-25 16:21:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 324.02 Mbit/s

95th percentile per-packet one-way delay: 49.620 ms

Loss rate: 0.00%

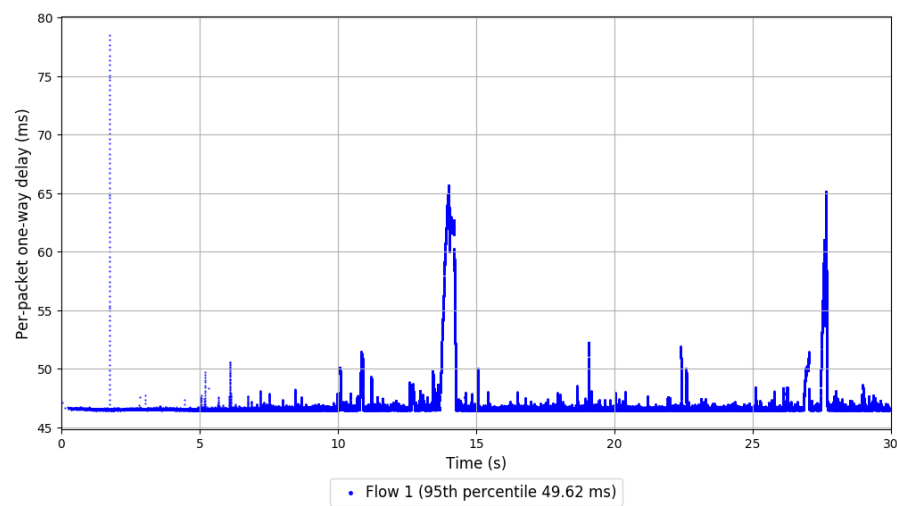
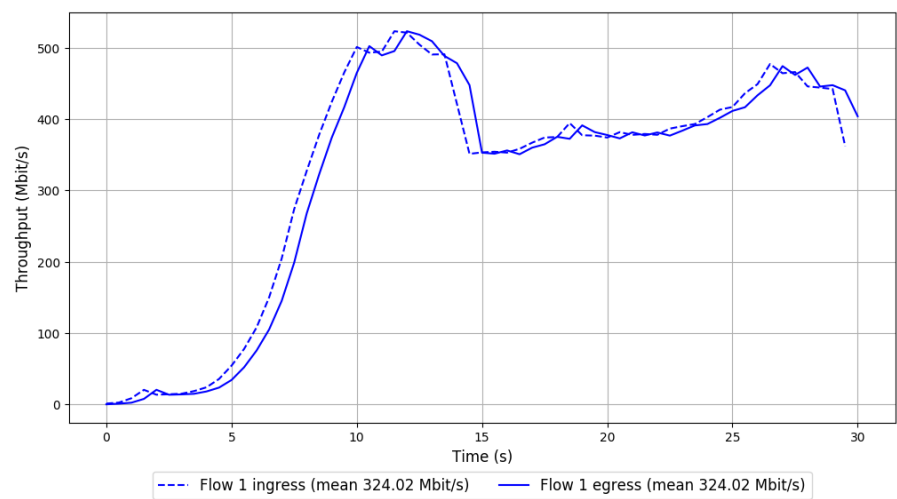
-- Flow 1:

Average throughput: 324.02 Mbit/s

95th percentile per-packet one-way delay: 49.620 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

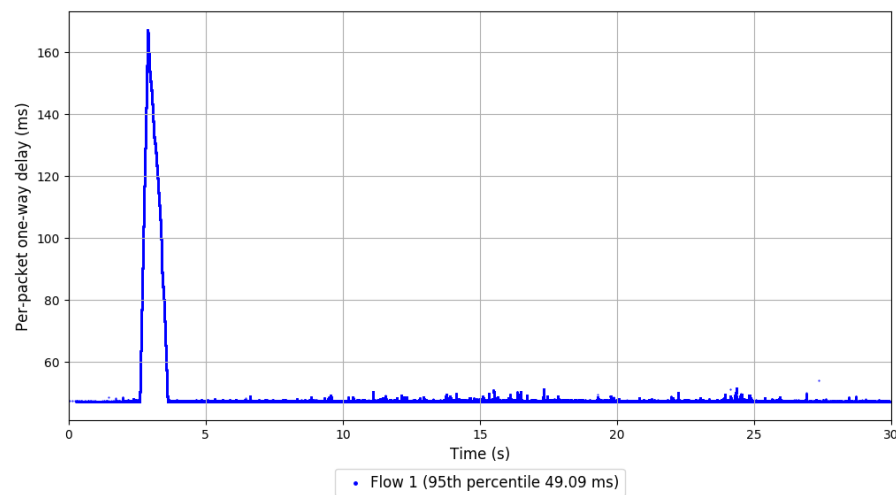
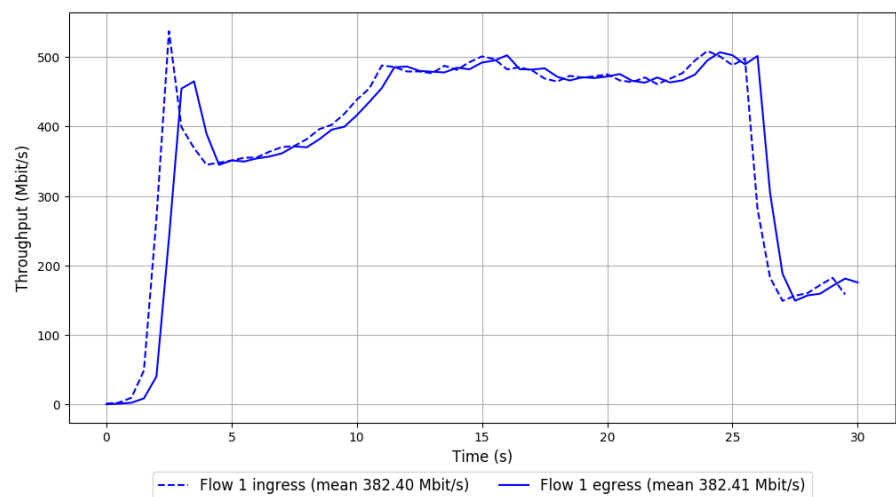


Run 5: Statistics of PCC-Vivace

Start at: 2019-01-25 13:40:56
End at: 2019-01-25 13:41:26
Local clock offset: 0.002 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2019-01-25 16:22:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 382.41 Mbit/s
95th percentile per-packet one-way delay: 49.085 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 382.41 Mbit/s
95th percentile per-packet one-way delay: 49.085 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

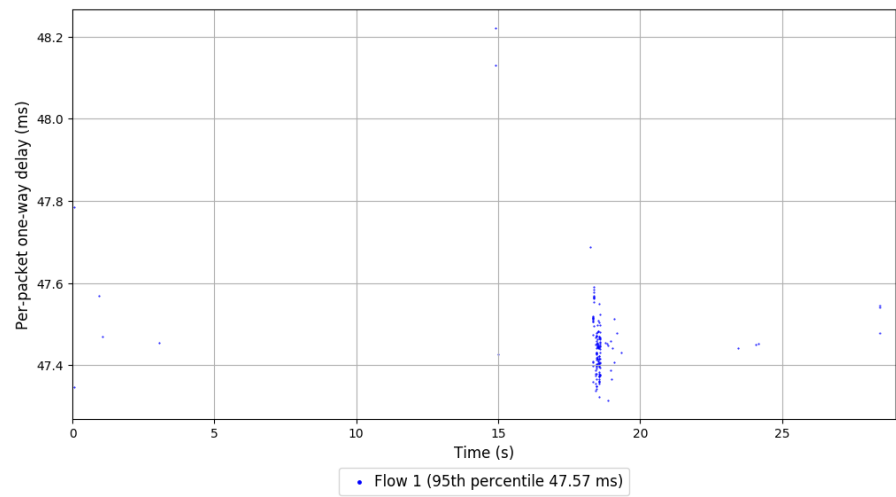
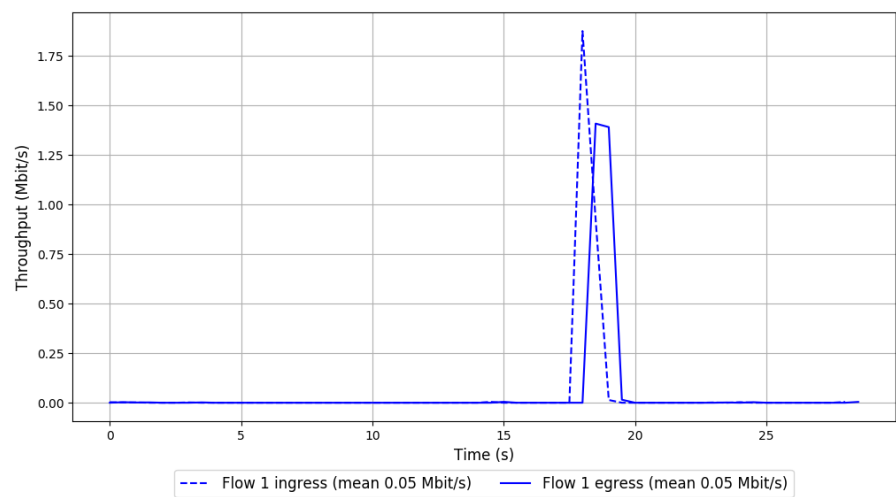


Run 1: Statistics of WebRTC media

Start at: 2019-01-25 11:49:47
End at: 2019-01-25 11:50:17
Local clock offset: -0.034 ms
Remote clock offset: -0.159 ms

Below is generated by plot.py at 2019-01-25 16:22:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 47.570 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 47.570 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2019-01-25 12:20:53

End at: 2019-01-25 12:21:23

Local clock offset: -0.116 ms

Remote clock offset: 0.123 ms

Below is generated by plot.py at 2019-01-25 16:22:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 47.658 ms

Loss rate: 0.00%

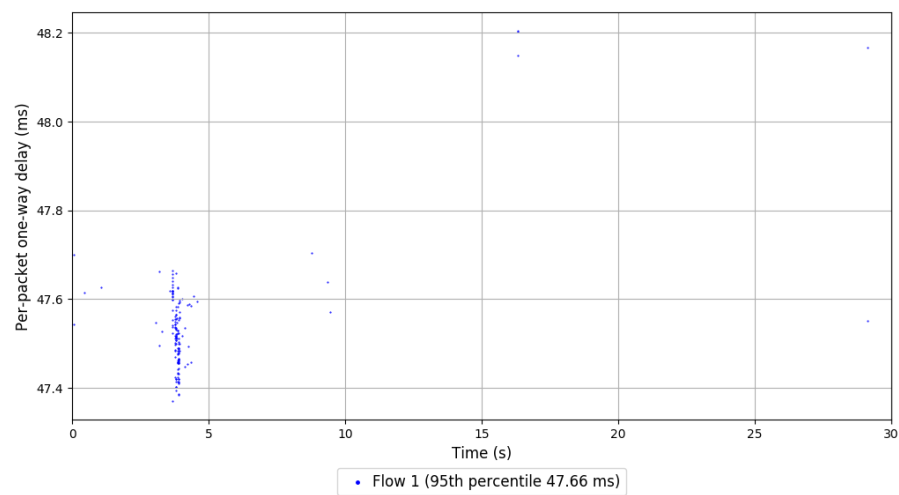
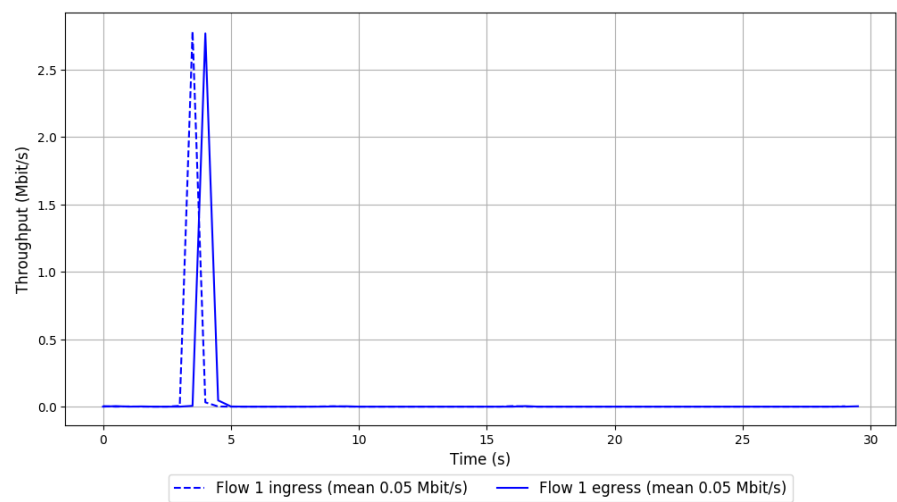
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 47.658 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-01-25 12:52:09

End at: 2019-01-25 12:52:39

Local clock offset: 0.017 ms

Remote clock offset: 0.094 ms

Below is generated by plot.py at 2019-01-25 16:22:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 47.627 ms

Loss rate: 0.00%

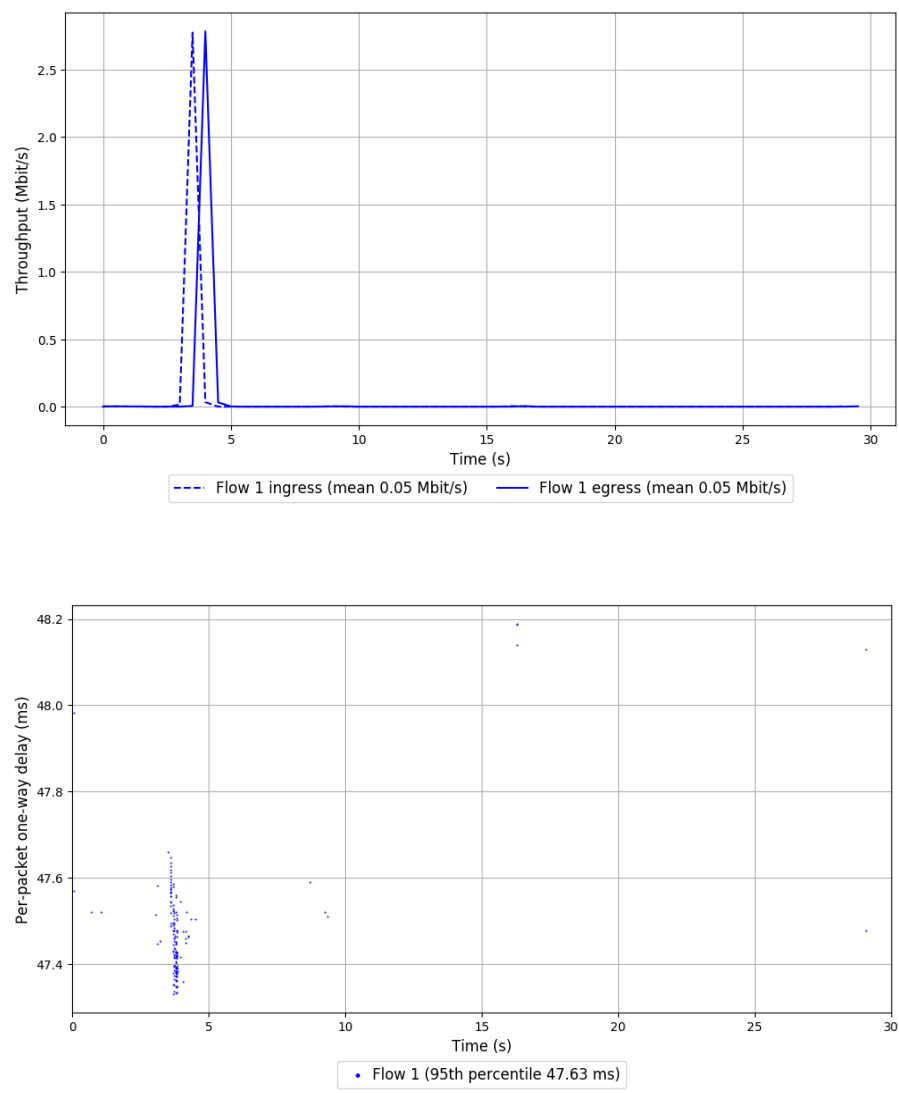
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 47.627 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

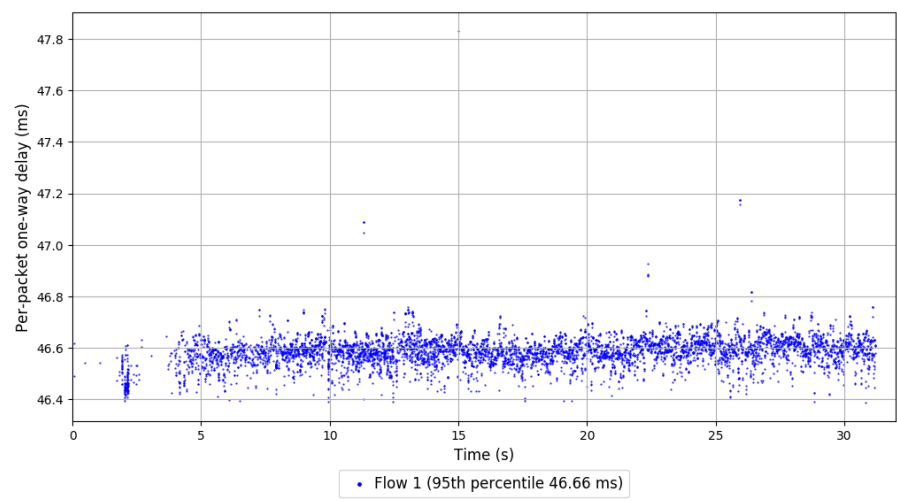
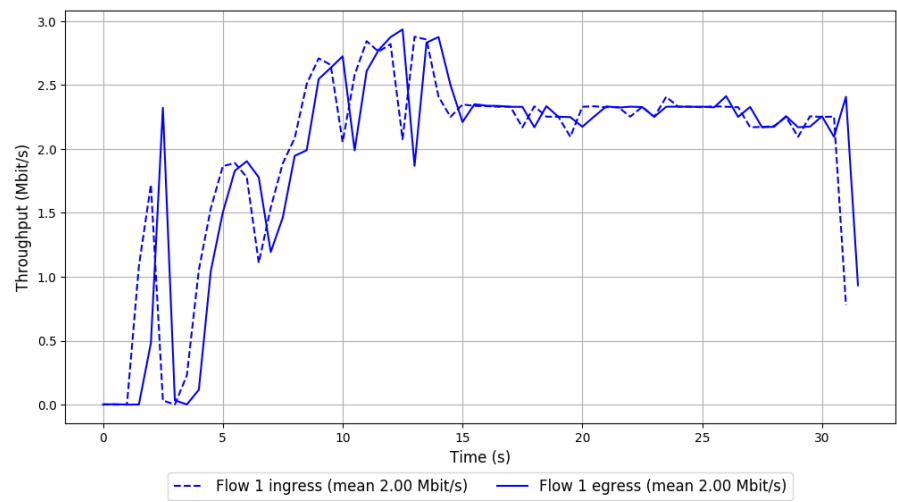


Run 4: Statistics of WebRTC media

Start at: 2019-01-25 13:23:23
End at: 2019-01-25 13:23:53
Local clock offset: -0.02 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2019-01-25 16:22:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 46.662 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 46.662 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-01-25 13:54:29

End at: 2019-01-25 13:54:59

Local clock offset: -0.086 ms

Remote clock offset: 0.067 ms

Below is generated by plot.py at 2019-01-25 16:22:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.04 Mbit/s

95th percentile per-packet one-way delay: 47.822 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.04 Mbit/s

95th percentile per-packet one-way delay: 47.822 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

