

Pantheon Report

Generated at 2019-01-24 17:37:53 (UTC).

Data path: AWS California 1 on `ens5` (*local*) → Stanford on `eno1` (*remote*).

Repeated the test of 21 congestion control schemes 5 times.

Each test lasted for 30 seconds running 1 flow.

NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

System info:

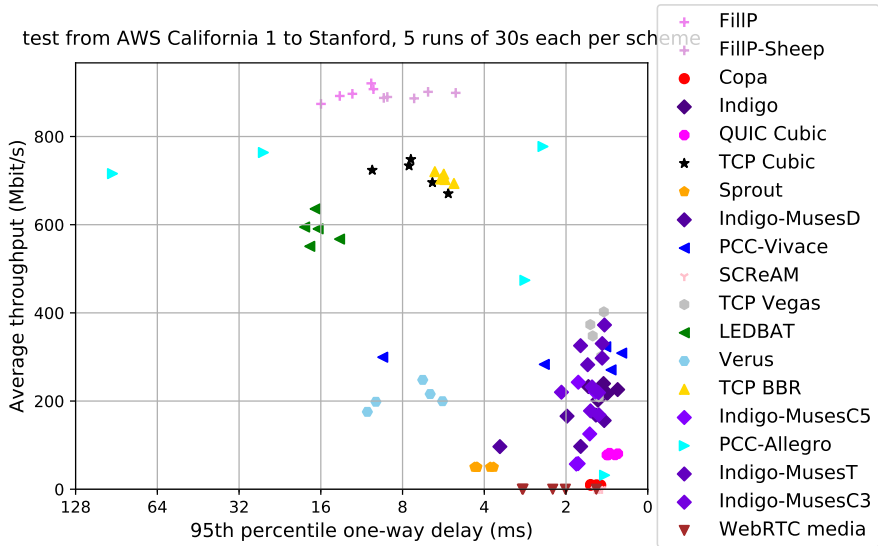
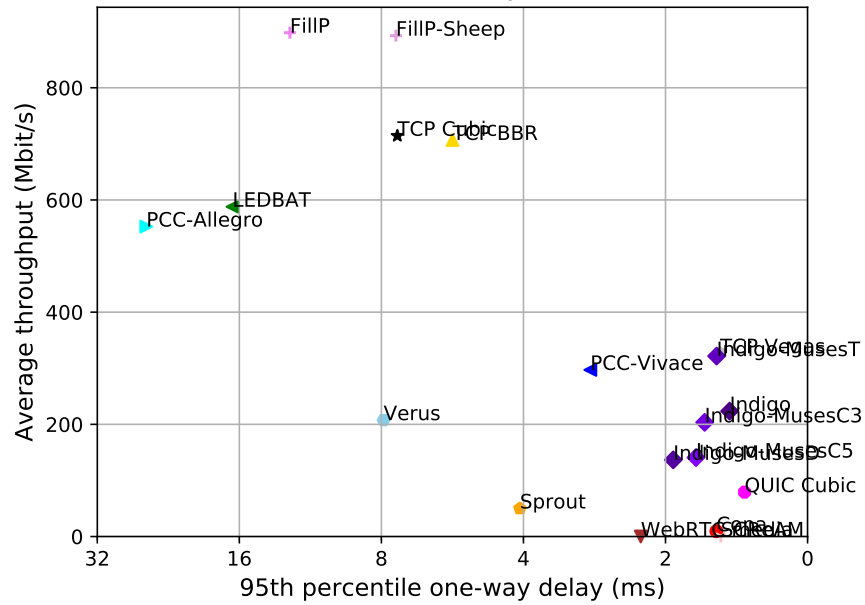
```
Linux 4.15.0-1031-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

```
branch: muses @ 0b8e9a949603c3842368430acf469eec3b941f9f
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
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 AWS California 1 to Stanford, 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	706.97	5.65	0.02
Copa	5	9.48	1.28	50.52
TCP Cubic	5	714.33	7.40	0.04
FillP	5	898.15	12.50	3.55
FillP-Sheep	5	892.80	7.45	2.42
Indigo	5	223.55	1.10	0.00
Indigo-MusesC3	5	203.55	1.45	0.01
Indigo-MusesC5	5	140.79	1.57	0.01
Indigo-MusesD	5	136.67	1.89	0.01
Indigo-MusesT	5	321.66	1.28	0.00
LEDBAT	5	587.88	16.55	0.05
PCC-Allegro	5	552.52	25.19	0.30
PCC-Expr	0	N/A	N/A	N/A
QUIC Cubic	5	79.14	0.89	0.00
SCReAM	5	0.22	1.22	0.00
Sprout	5	50.04	4.07	0.03
TaoVA-100x	0	N/A	N/A	N/A
TCP Vegas	5	326.81	1.23	0.00
Verus	5	207.50	7.92	0.93
PCC-Vivace	5	297.02	2.89	0.00
WebRTC media	5	0.05	2.26	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-01-24 14:41:57

End at: 2019-01-24 14:42:27

Local clock offset: 1.707 ms

Remote clock offset: 3.669 ms

Below is generated by plot.py at 2019-01-24 16:58:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 693.59 Mbit/s

95th percentile per-packet one-way delay: 5.173 ms

Loss rate: 0.02%

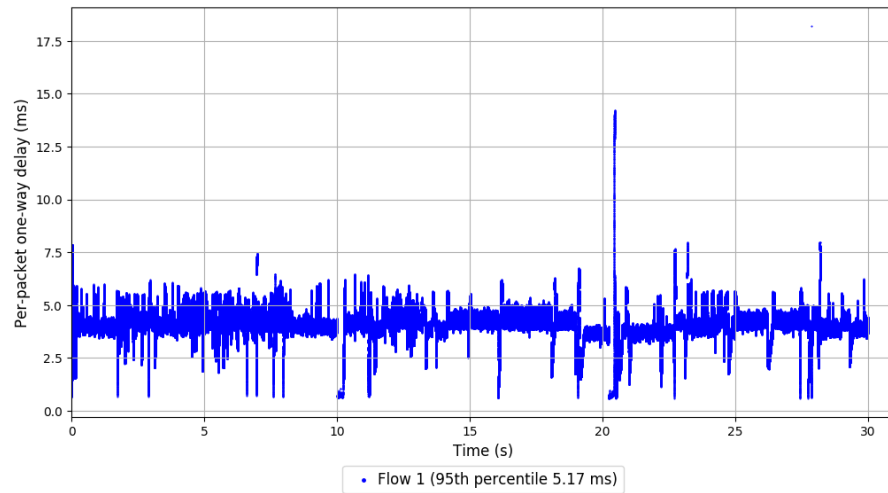
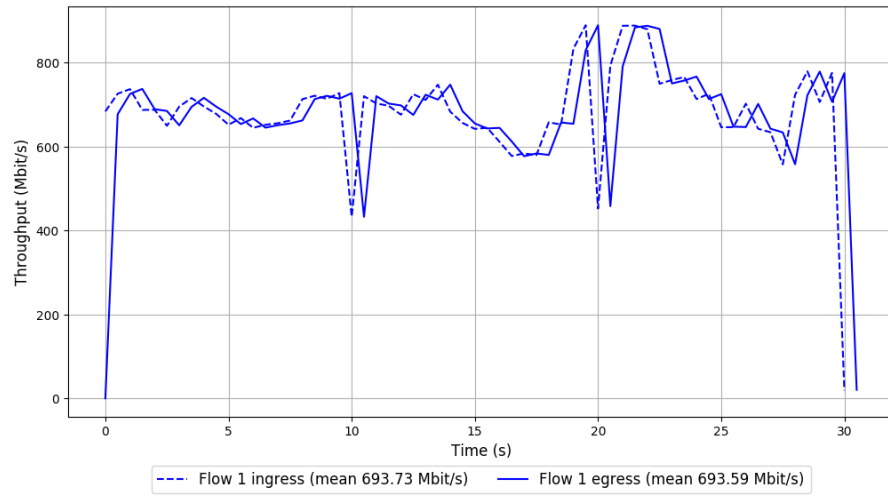
-- Flow 1:

Average throughput: 693.59 Mbit/s

95th percentile per-packet one-way delay: 5.173 ms

Loss rate: 0.02%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-01-24 15:10:52

End at: 2019-01-24 15:11:22

Local clock offset: -2.202 ms

Remote clock offset: 3.655 ms

Below is generated by plot.py at 2019-01-24 16:58:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 702.50 Mbit/s

95th percentile per-packet one-way delay: 5.584 ms

Loss rate: 0.02%

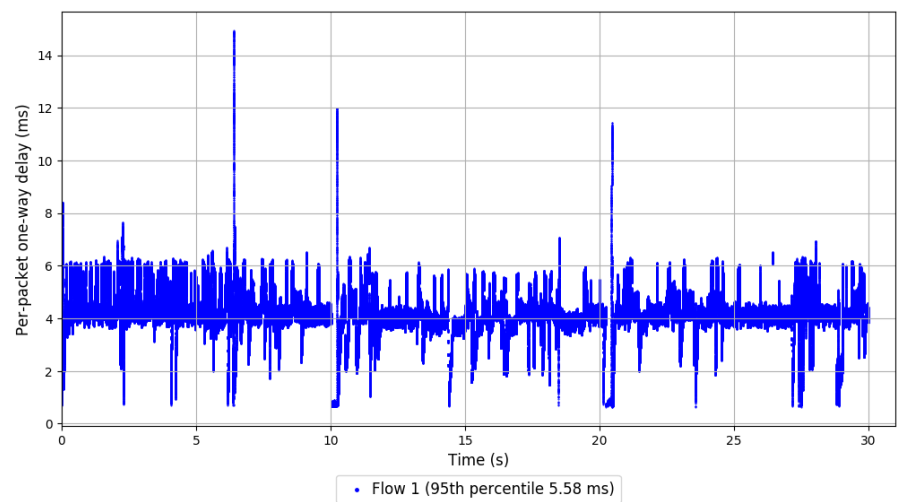
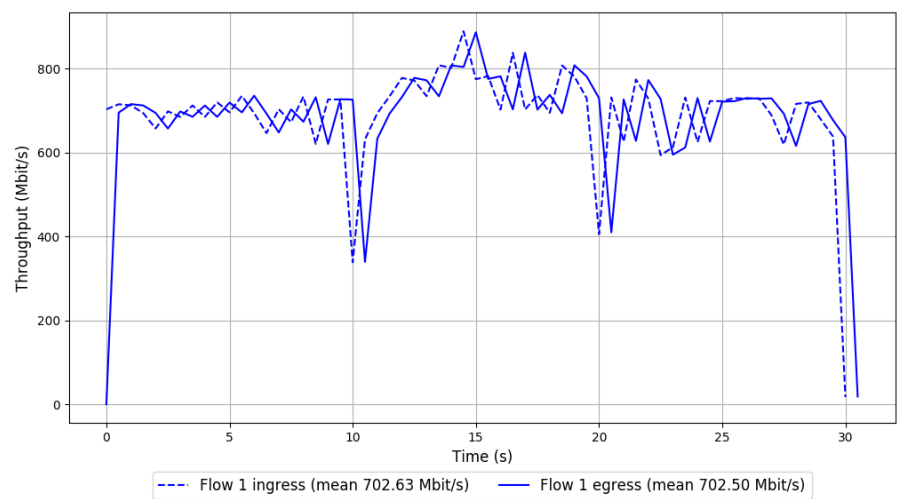
-- Flow 1:

Average throughput: 702.50 Mbit/s

95th percentile per-packet one-way delay: 5.584 ms

Loss rate: 0.02%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-01-24 15:39:53

End at: 2019-01-24 15:40:23

Local clock offset: -0.688 ms

Remote clock offset: 1.829 ms

Below is generated by plot.py at 2019-01-24 16:58:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 720.37 Mbit/s

95th percentile per-packet one-way delay: 6.083 ms

Loss rate: 0.01%

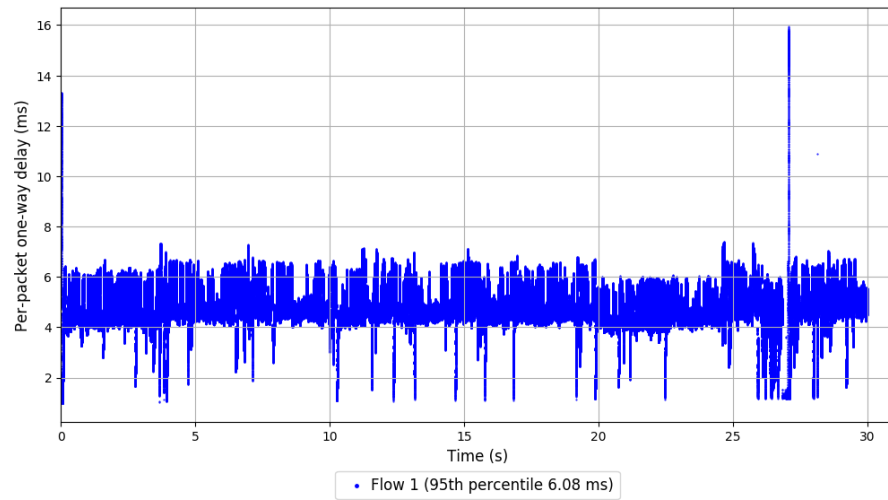
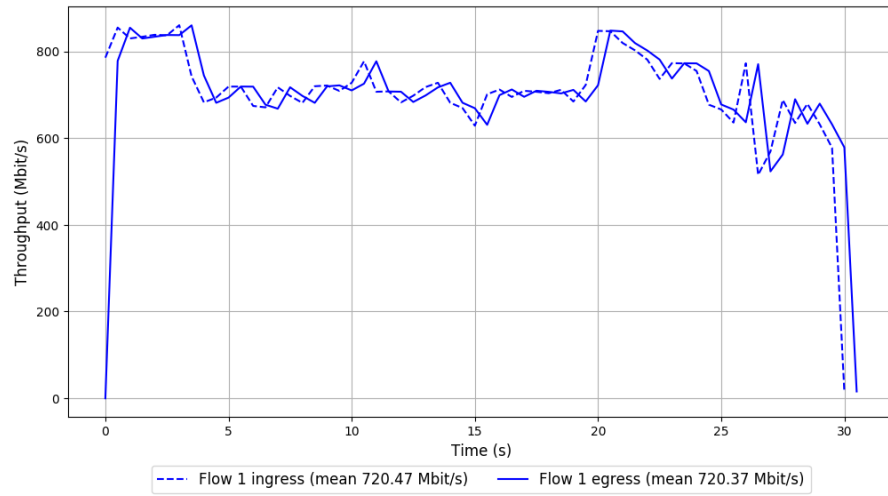
-- Flow 1:

Average throughput: 720.37 Mbit/s

95th percentile per-packet one-way delay: 6.083 ms

Loss rate: 0.01%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-01-24 16:08:42

End at: 2019-01-24 16:09:12

Local clock offset: 2.856 ms

Remote clock offset: -0.467 ms

Below is generated by plot.py at 2019-01-24 16:58:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 714.70 Mbit/s

95th percentile per-packet one-way delay: 5.640 ms

Loss rate: 0.02%

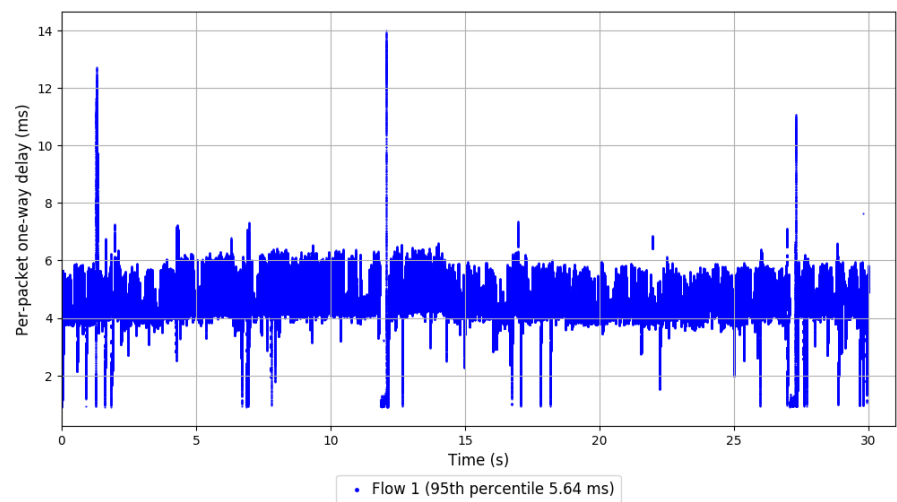
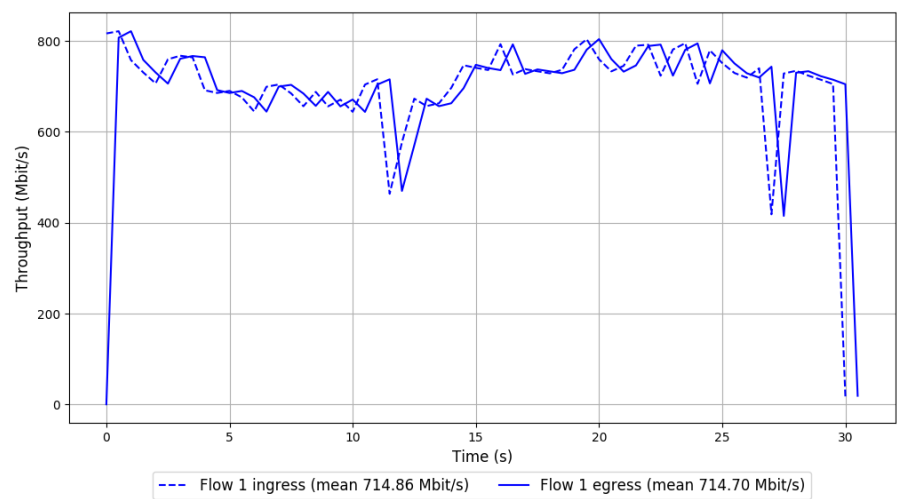
-- Flow 1:

Average throughput: 714.70 Mbit/s

95th percentile per-packet one-way delay: 5.640 ms

Loss rate: 0.02%

Run 4: Report of TCP BBR — Data Link

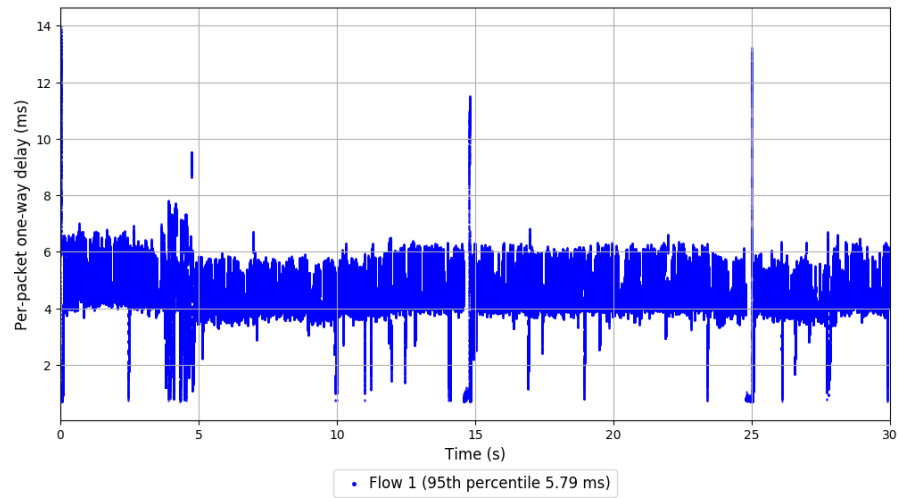
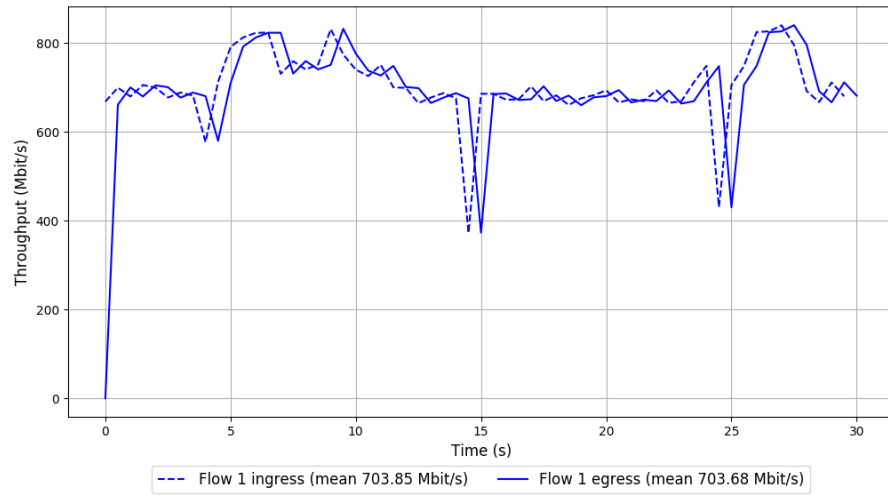


Run 5: Statistics of TCP BBR

Start at: 2019-01-24 16:37:15
End at: 2019-01-24 16:37:45
Local clock offset: 4.134 ms
Remote clock offset: -0.187 ms

Below is generated by plot.py at 2019-01-24 16:58:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 703.68 Mbit/s
95th percentile per-packet one-way delay: 5.788 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 703.68 Mbit/s
95th percentile per-packet one-way delay: 5.788 ms
Loss rate: 0.02%

Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2019-01-24 14:46:02

End at: 2019-01-24 14:46:32

Local clock offset: 1.172 ms

Remote clock offset: 3.962 ms

Below is generated by plot.py at 2019-01-24 16:58:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.54 Mbit/s

95th percentile per-packet one-way delay: 1.216 ms

Loss rate: 46.86%

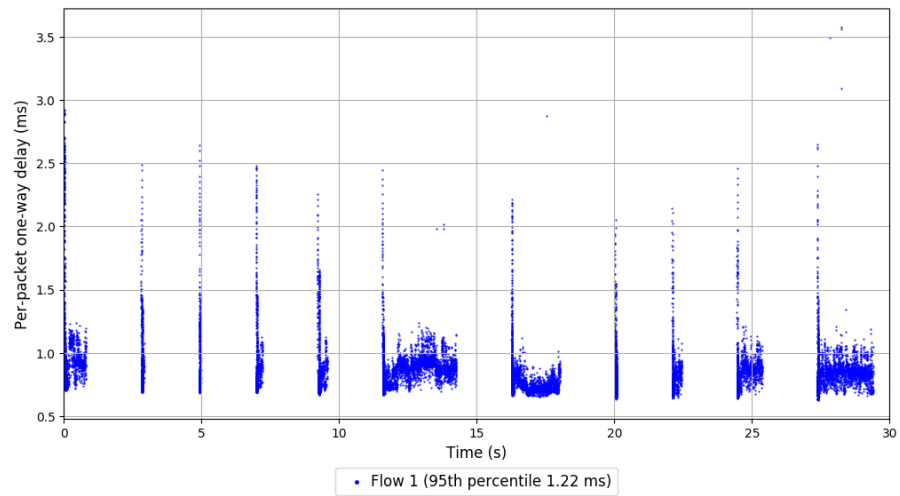
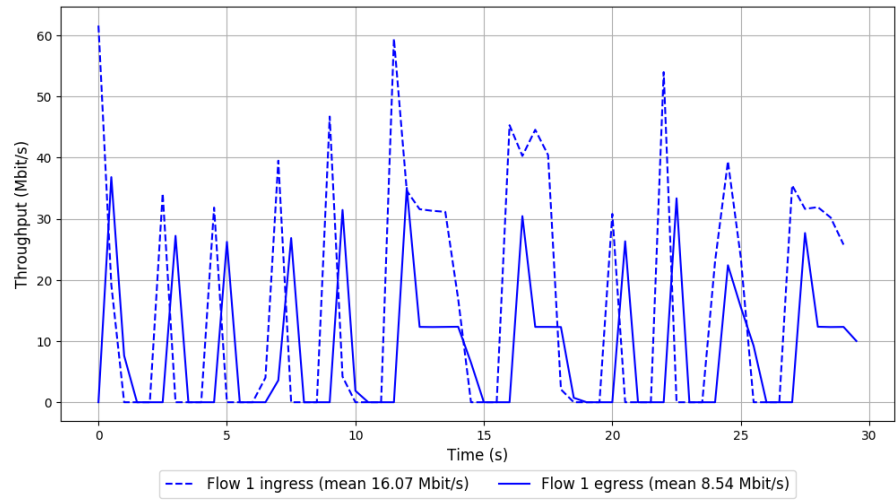
-- Flow 1:

Average throughput: 8.54 Mbit/s

95th percentile per-packet one-way delay: 1.216 ms

Loss rate: 46.86%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2019-01-24 15:14:58

End at: 2019-01-24 15:15:28

Local clock offset: -2.688 ms

Remote clock offset: 3.58 ms

Below is generated by plot.py at 2019-01-24 16:58:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.42 Mbit/s

95th percentile per-packet one-way delay: 1.151 ms

Loss rate: 52.26%

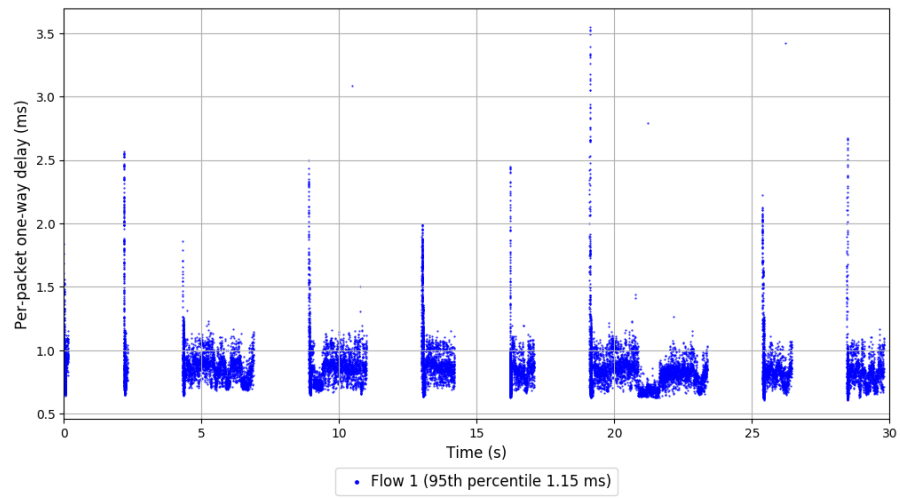
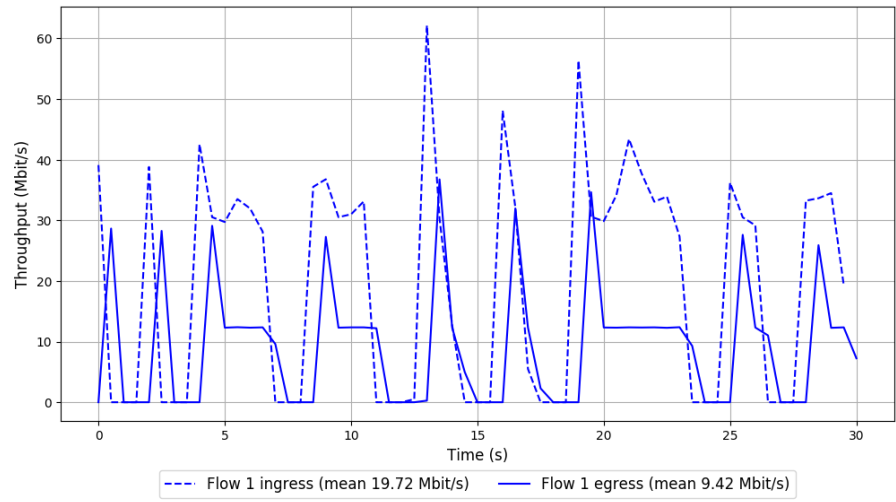
-- Flow 1:

Average throughput: 9.42 Mbit/s

95th percentile per-packet one-way delay: 1.151 ms

Loss rate: 52.26%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2019-01-24 15:43:57

End at: 2019-01-24 15:44:27

Local clock offset: -0.089 ms

Remote clock offset: 1.028 ms

Below is generated by plot.py at 2019-01-24 16:58:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.59 Mbit/s

95th percentile per-packet one-way delay: 1.399 ms

Loss rate: 53.60%

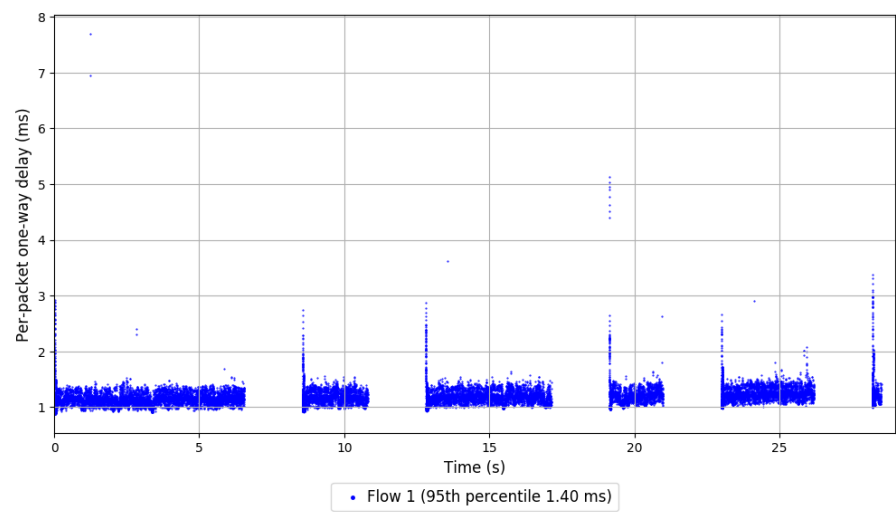
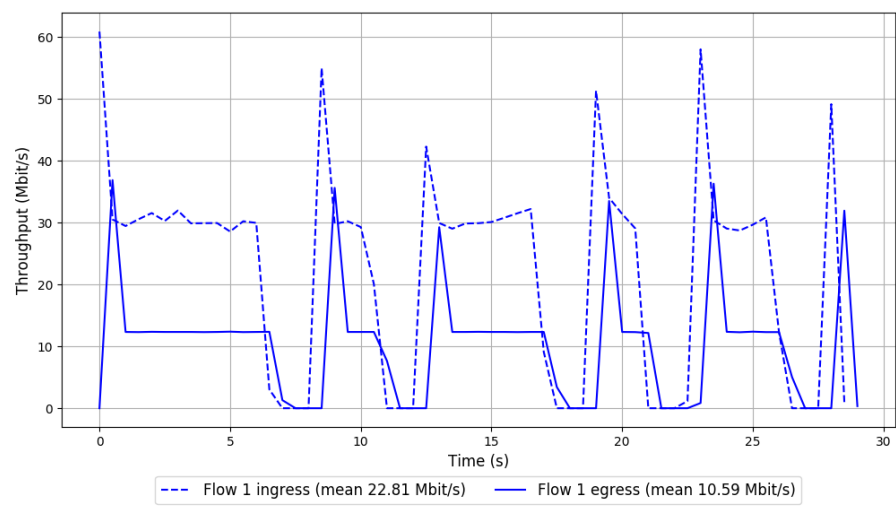
-- Flow 1:

Average throughput: 10.59 Mbit/s

95th percentile per-packet one-way delay: 1.399 ms

Loss rate: 53.60%

Run 3: Report of Copa — Data Link

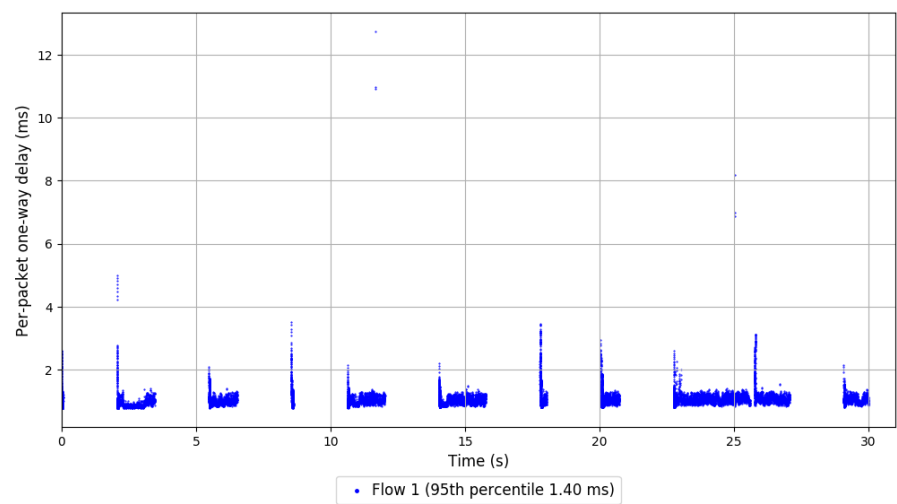
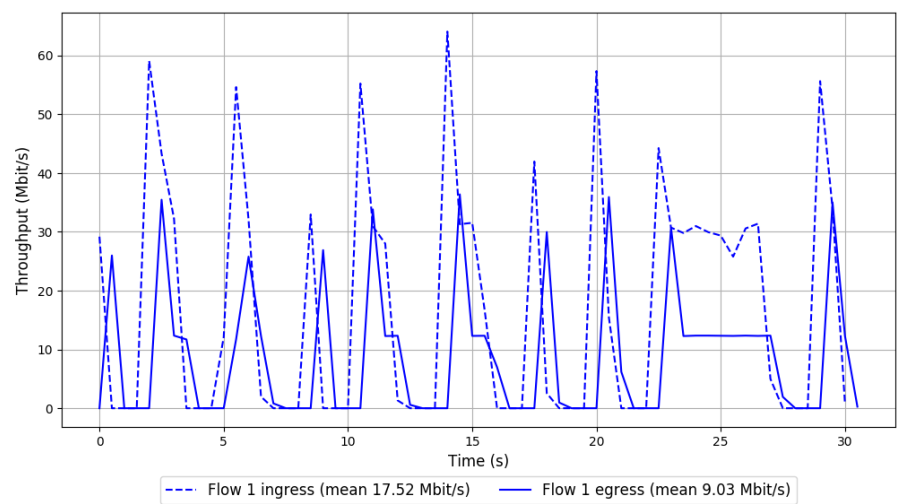


Run 4: Statistics of Copa

Start at: 2019-01-24 16:12:46
End at: 2019-01-24 16:13:16
Local clock offset: 3.409 ms
Remote clock offset: -0.295 ms

Below is generated by plot.py at 2019-01-24 16:58:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.03 Mbit/s
95th percentile per-packet one-way delay: 1.397 ms
Loss rate: 48.49%
-- Flow 1:
Average throughput: 9.03 Mbit/s
95th percentile per-packet one-way delay: 1.397 ms
Loss rate: 48.49%

Run 4: Report of Copa — Data Link

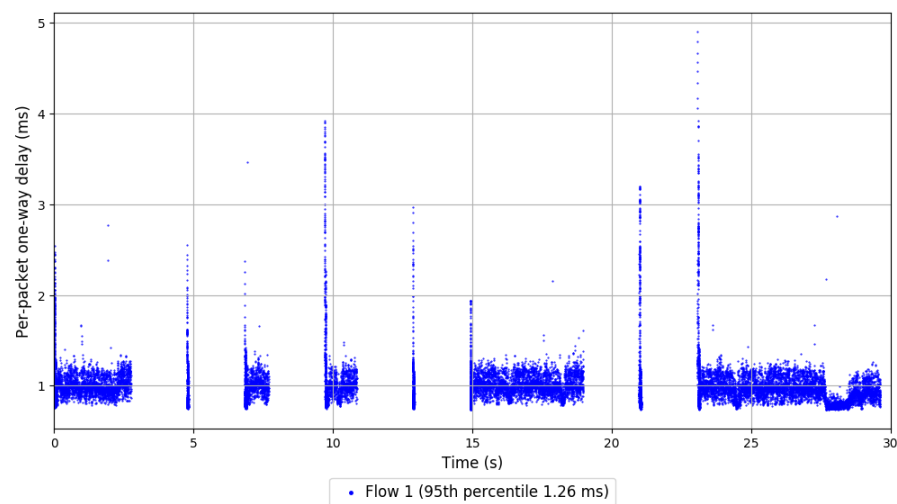
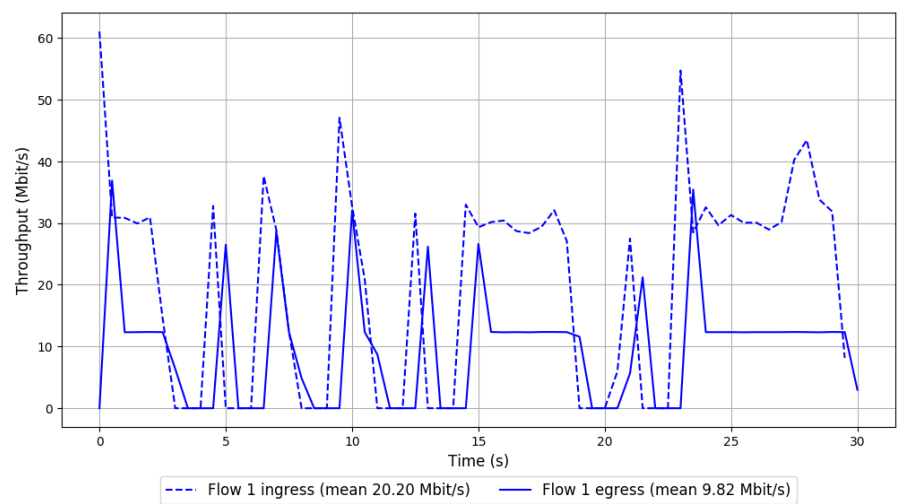


Run 5: Statistics of Copa

Start at: 2019-01-24 16:41:21
End at: 2019-01-24 16:41:51
Local clock offset: 4.022 ms
Remote clock offset: -0.173 ms

Below is generated by plot.py at 2019-01-24 16:58:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.82 Mbit/s
95th percentile per-packet one-way delay: 1.257 ms
Loss rate: 51.41%
-- Flow 1:
Average throughput: 9.82 Mbit/s
95th percentile per-packet one-way delay: 1.257 ms
Loss rate: 51.41%

Run 5: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2019-01-24 14:48:31

End at: 2019-01-24 14:49:01

Local clock offset: 0.984 ms

Remote clock offset: 4.102 ms

Below is generated by plot.py at 2019-01-24 16:58:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 723.67 Mbit/s

95th percentile per-packet one-way delay: 10.343 ms

Loss rate: 0.04%

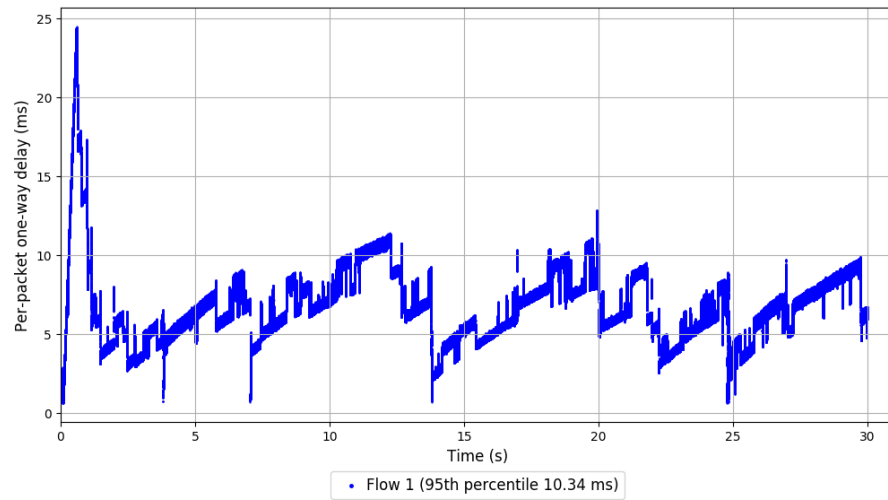
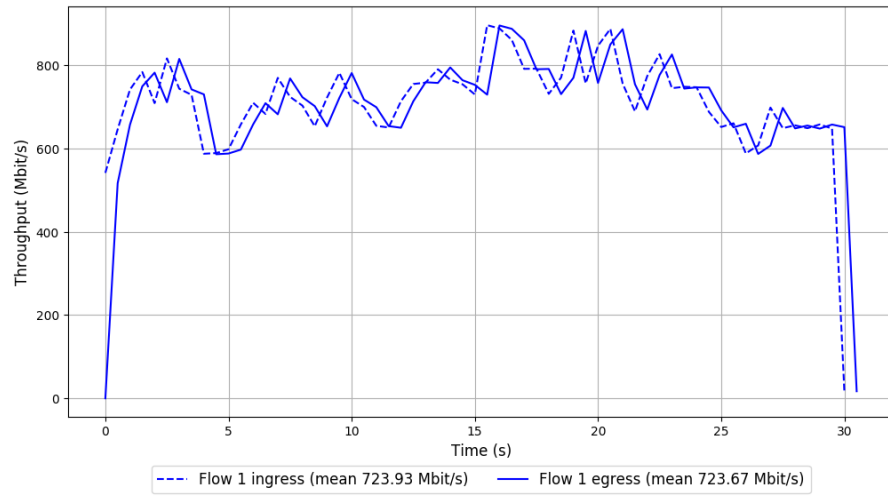
-- Flow 1:

Average throughput: 723.67 Mbit/s

95th percentile per-packet one-way delay: 10.343 ms

Loss rate: 0.04%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2019-01-24 15:17:26

End at: 2019-01-24 15:17:56

Local clock offset: -2.921 ms

Remote clock offset: 3.536 ms

Below is generated by plot.py at 2019-01-24 16:59:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 748.09 Mbit/s

95th percentile per-packet one-way delay: 7.457 ms

Loss rate: 0.06%

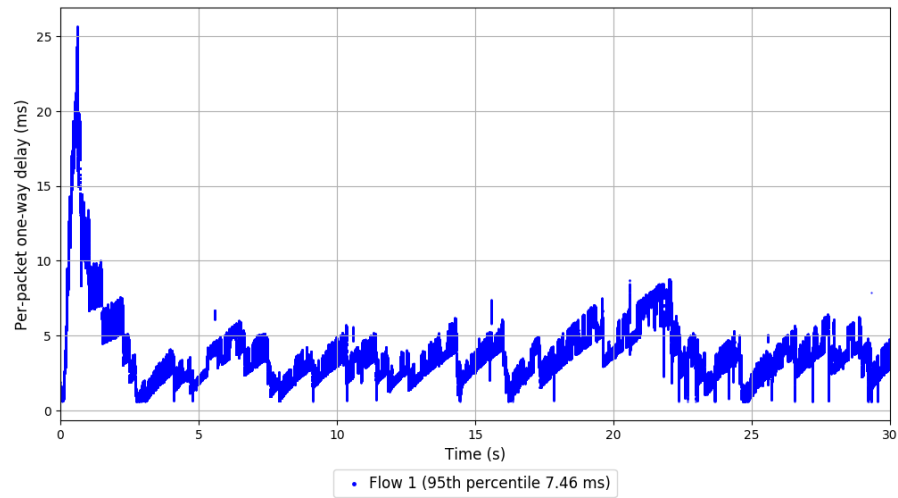
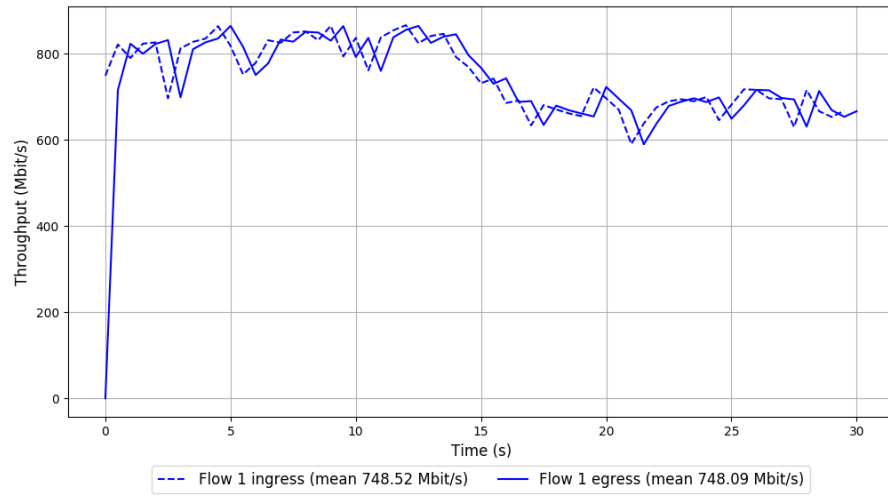
-- Flow 1:

Average throughput: 748.09 Mbit/s

95th percentile per-packet one-way delay: 7.457 ms

Loss rate: 0.06%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2019-01-24 15:46:26

End at: 2019-01-24 15:46:56

Local clock offset: 0.178 ms

Remote clock offset: 0.651 ms

Below is generated by plot.py at 2019-01-24 16:59:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 670.46 Mbit/s

95th percentile per-packet one-way delay: 5.429 ms

Loss rate: 0.04%

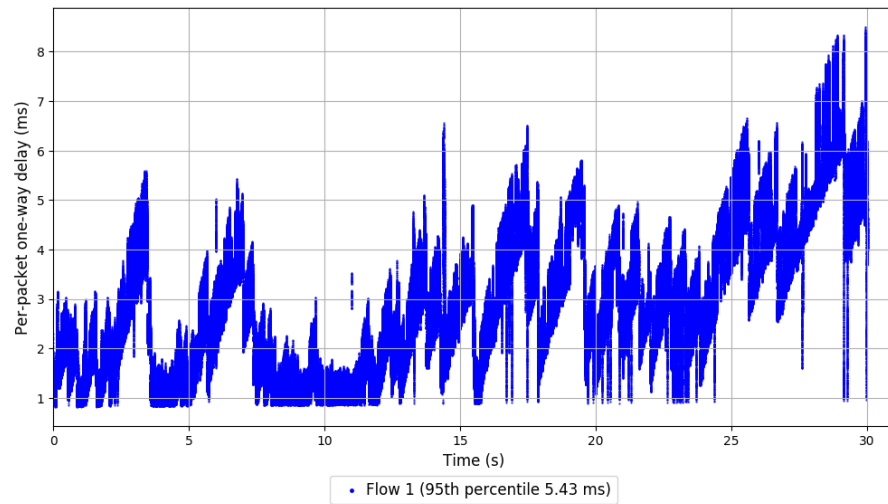
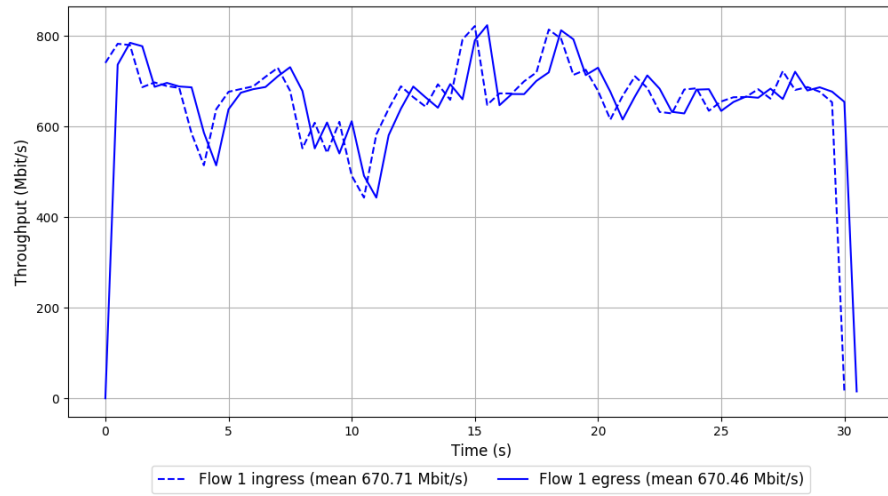
-- Flow 1:

Average throughput: 670.46 Mbit/s

95th percentile per-packet one-way delay: 5.429 ms

Loss rate: 0.04%

Run 3: Report of TCP Cubic — Data Link

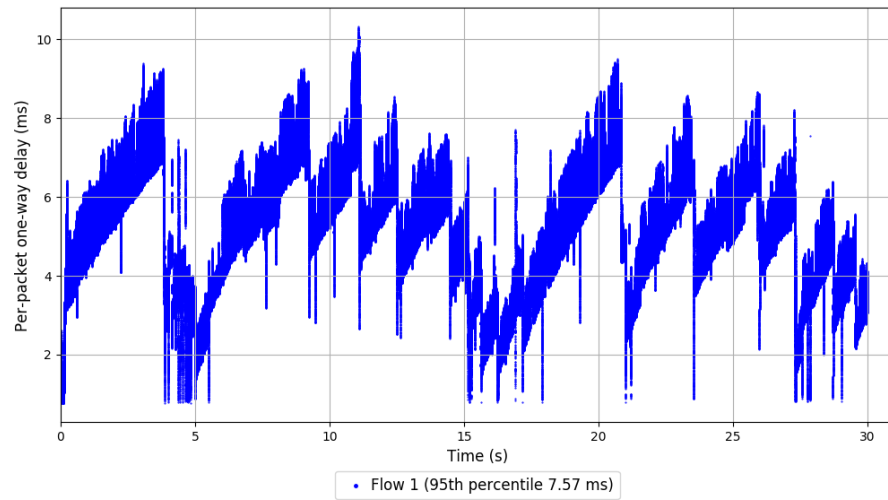
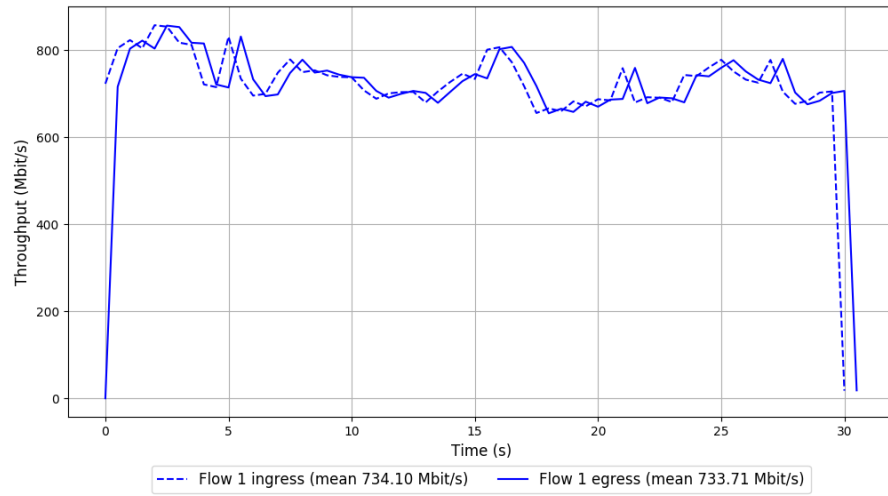


Run 4: Statistics of TCP Cubic

Start at: 2019-01-24 16:15:15
End at: 2019-01-24 16:15:45
Local clock offset: 3.683 ms
Remote clock offset: -0.229 ms

Below is generated by plot.py at 2019-01-24 17:04:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 733.71 Mbit/s
95th percentile per-packet one-way delay: 7.570 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 733.71 Mbit/s
95th percentile per-packet one-way delay: 7.570 ms
Loss rate: 0.05%

Run 4: Report of TCP Cubic — Data Link

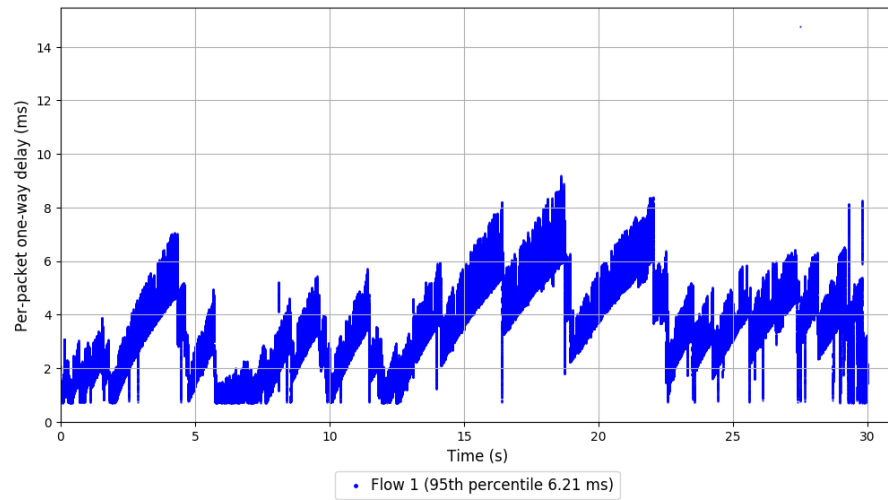
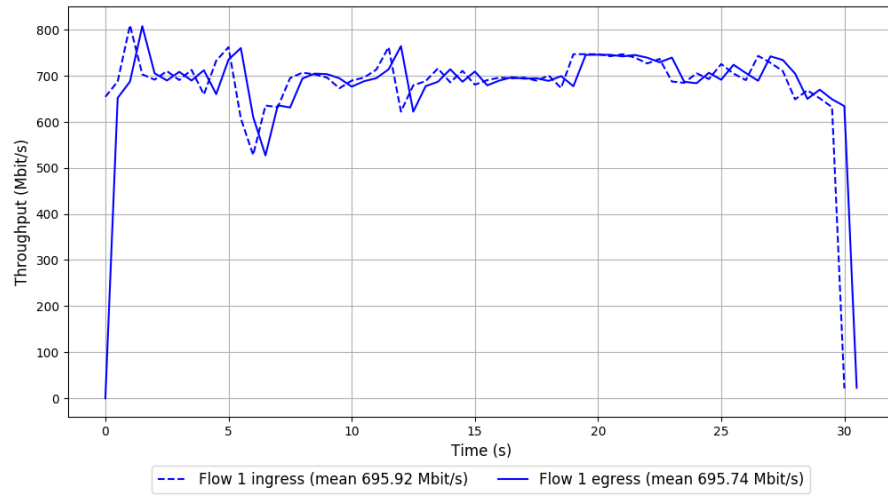


Run 5: Statistics of TCP Cubic

Start at: 2019-01-24 16:43:50
End at: 2019-01-24 16:44:20
Local clock offset: 3.986 ms
Remote clock offset: -0.159 ms

Below is generated by plot.py at 2019-01-24 17:04:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 695.74 Mbit/s
95th percentile per-packet one-way delay: 6.209 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 695.74 Mbit/s
95th percentile per-packet one-way delay: 6.209 ms
Loss rate: 0.03%

Run 5: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2019-01-24 14:21:05

End at: 2019-01-24 14:21:35

Local clock offset: 5.045 ms

Remote clock offset: 1.108 ms

Below is generated by plot.py at 2019-01-24 17:10:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 907.45 Mbit/s

95th percentile per-packet one-way delay: 10.240 ms

Loss rate: 3.00%

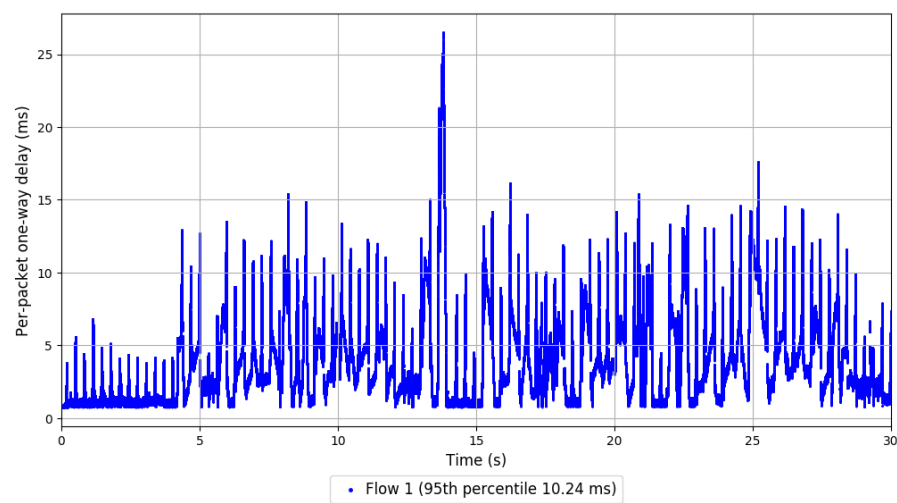
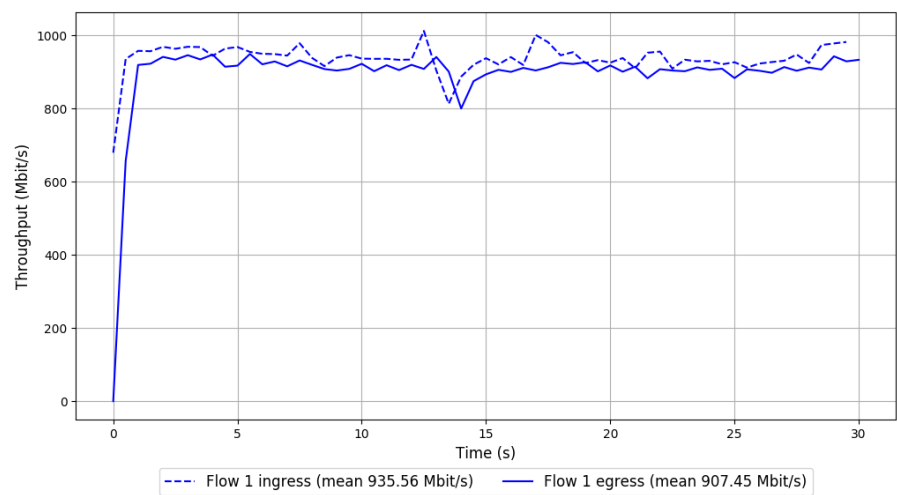
-- Flow 1:

Average throughput: 907.45 Mbit/s

95th percentile per-packet one-way delay: 10.240 ms

Loss rate: 3.00%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2019-01-24 14:50:06

End at: 2019-01-24 14:50:36

Local clock offset: 0.869 ms

Remote clock offset: 4.188 ms

Below is generated by plot.py at 2019-01-24 17:10:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 920.59 Mbit/s

95th percentile per-packet one-way delay: 10.434 ms

Loss rate: 4.48%

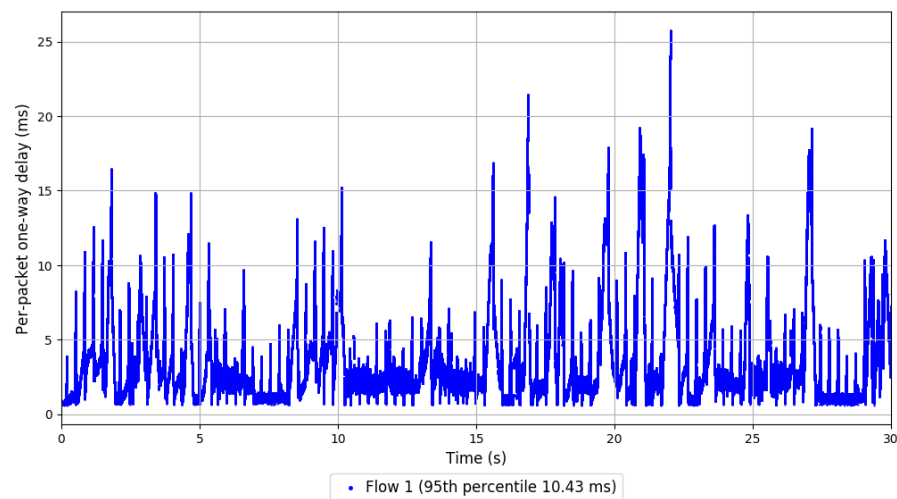
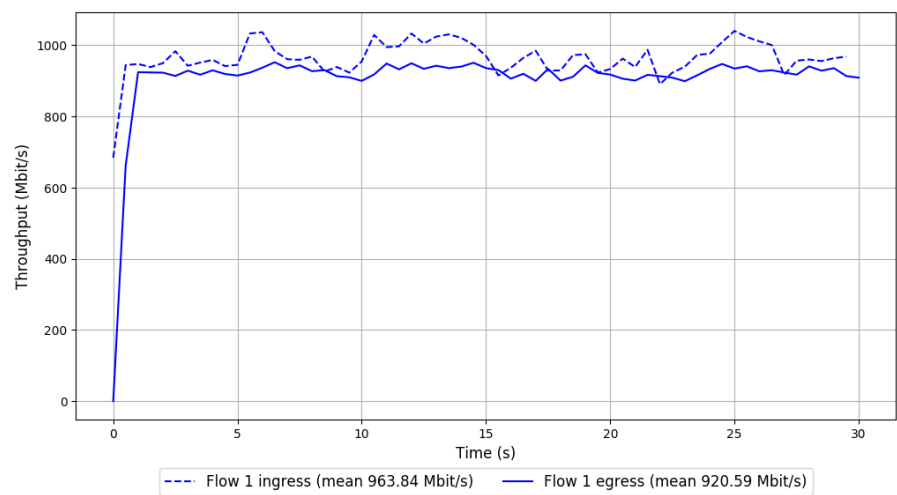
-- Flow 1:

Average throughput: 920.59 Mbit/s

95th percentile per-packet one-way delay: 10.434 ms

Loss rate: 4.48%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2019-01-24 15:19:03

End at: 2019-01-24 15:19:33

Local clock offset: -3.07 ms

Remote clock offset: 3.57 ms

Below is generated by plot.py at 2019-01-24 17:10:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 896.81 Mbit/s

95th percentile per-packet one-way delay: 12.243 ms

Loss rate: 3.90%

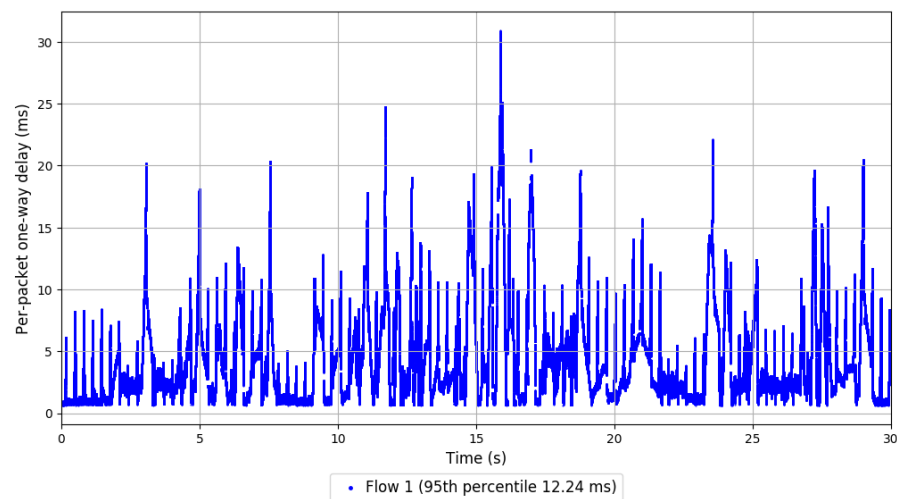
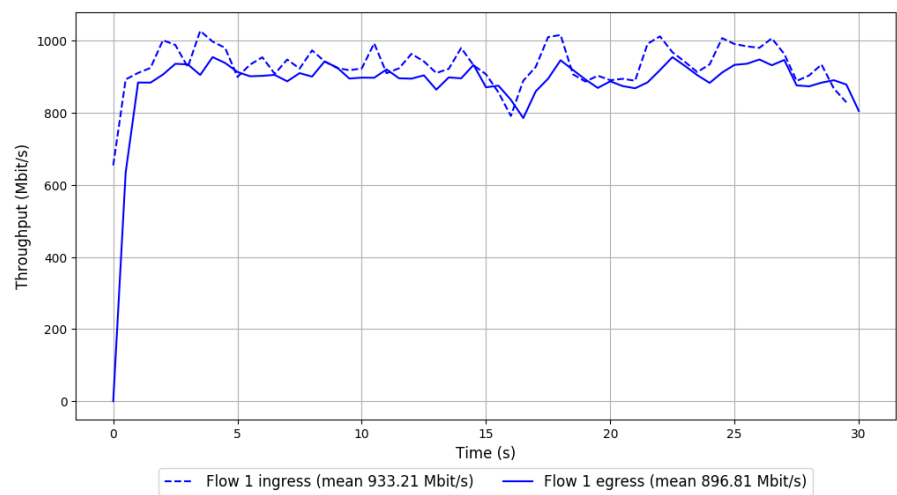
-- Flow 1:

Average throughput: 896.81 Mbit/s

95th percentile per-packet one-way delay: 12.243 ms

Loss rate: 3.90%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2019-01-24 15:48:00

End at: 2019-01-24 15:48:30

Local clock offset: 0.303 ms

Remote clock offset: 0.442 ms

Below is generated by plot.py at 2019-01-24 17:10:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 891.97 Mbit/s

95th percentile per-packet one-way delay: 13.622 ms

Loss rate: 3.79%

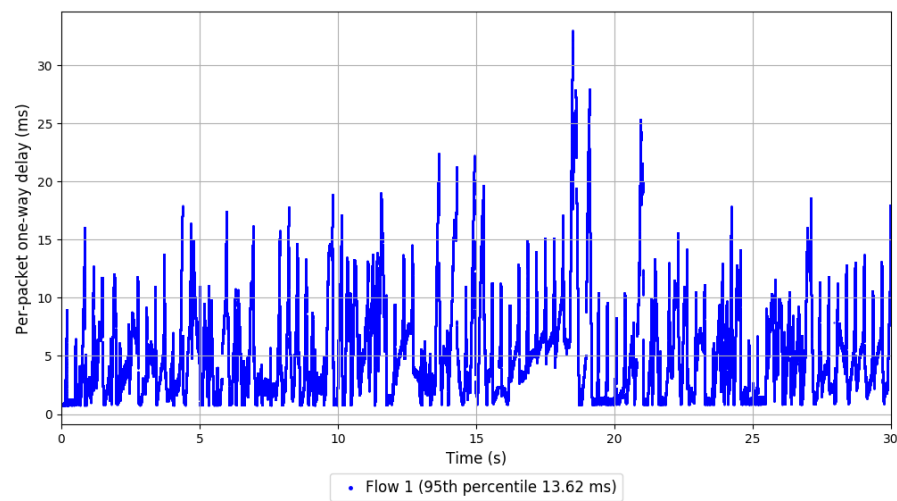
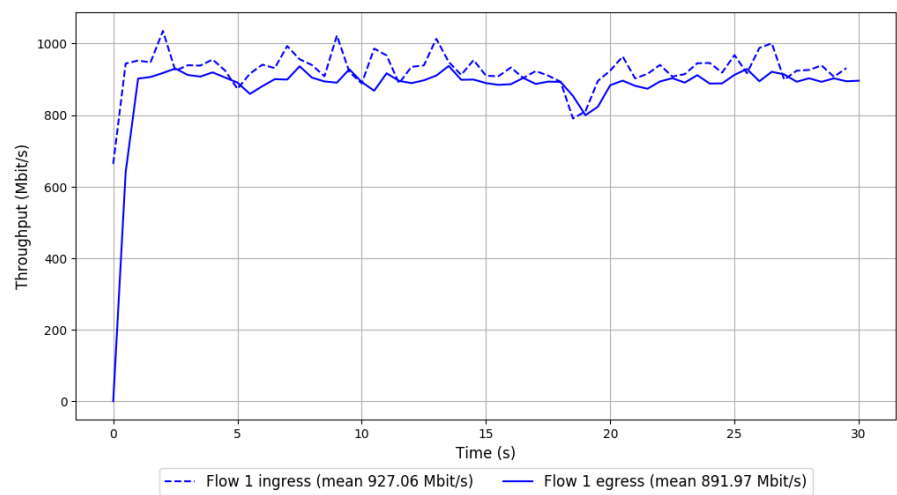
-- Flow 1:

Average throughput: 891.97 Mbit/s

95th percentile per-packet one-way delay: 13.622 ms

Loss rate: 3.79%

Run 4: Report of FillP — Data Link

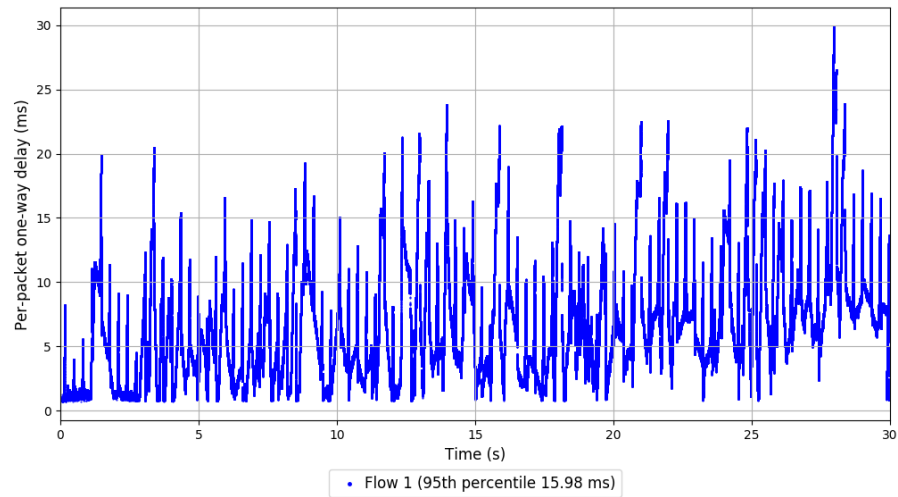
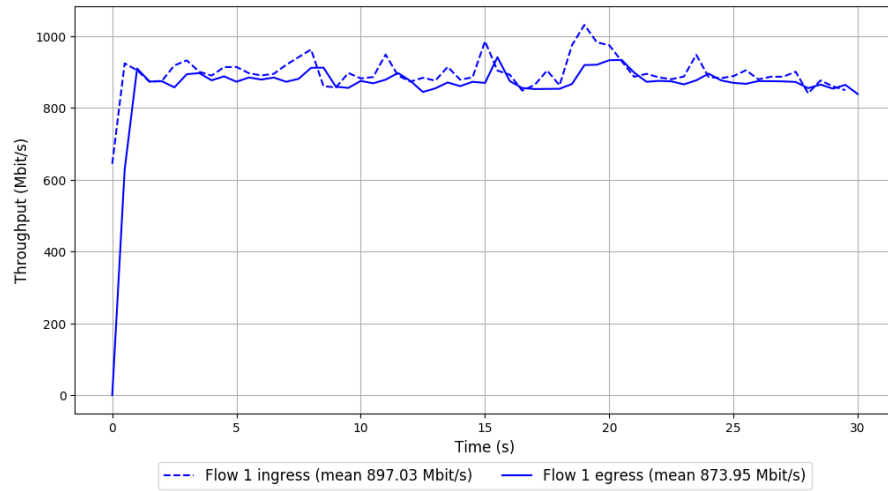


Run 5: Statistics of FillP

Start at: 2019-01-24 16:16:51
End at: 2019-01-24 16:17:21
Local clock offset: 3.832 ms
Remote clock offset: -0.152 ms

Below is generated by plot.py at 2019-01-24 17:10:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 873.95 Mbit/s
95th percentile per-packet one-way delay: 15.978 ms
Loss rate: 2.57%
-- Flow 1:
Average throughput: 873.95 Mbit/s
95th percentile per-packet one-way delay: 15.978 ms
Loss rate: 2.57%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-01-24 14:25:19

End at: 2019-01-24 14:25:49

Local clock offset: 5.446 ms

Remote clock offset: 1.156 ms

Below is generated by plot.py at 2019-01-24 17:10:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 899.00 Mbit/s

95th percentile per-packet one-way delay: 5.096 ms

Loss rate: 2.30%

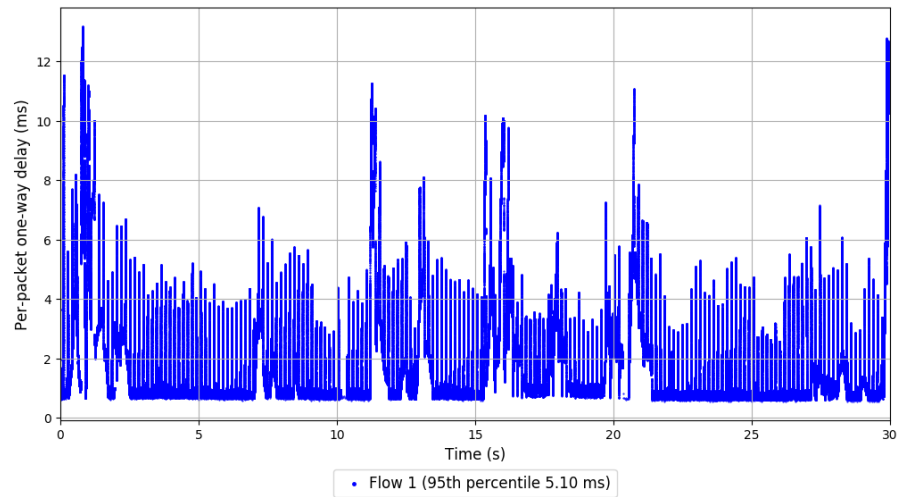
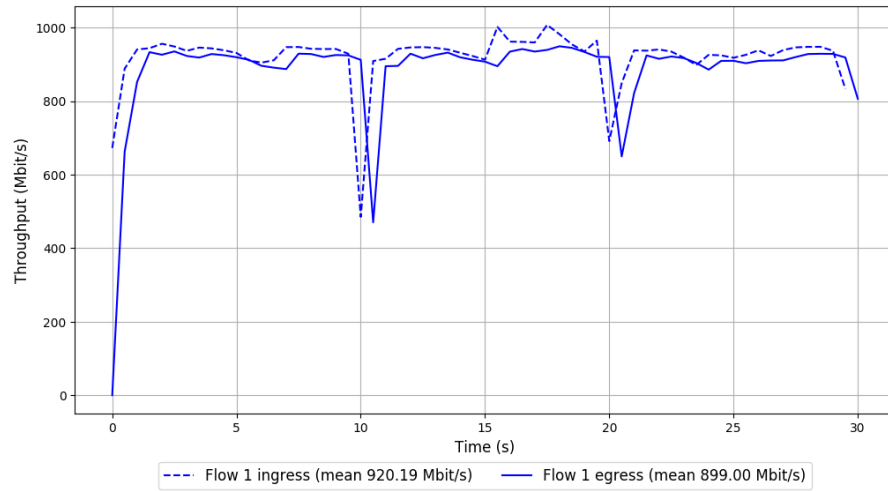
-- Flow 1:

Average throughput: 899.00 Mbit/s

95th percentile per-packet one-way delay: 5.096 ms

Loss rate: 2.30%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2019-01-24 14:54:19

End at: 2019-01-24 14:54:49

Local clock offset: 0.711 ms

Remote clock offset: 4.494 ms

Below is generated by plot.py at 2019-01-24 17:17:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 886.45 Mbit/s

95th percentile per-packet one-way delay: 7.250 ms

Loss rate: 2.61%

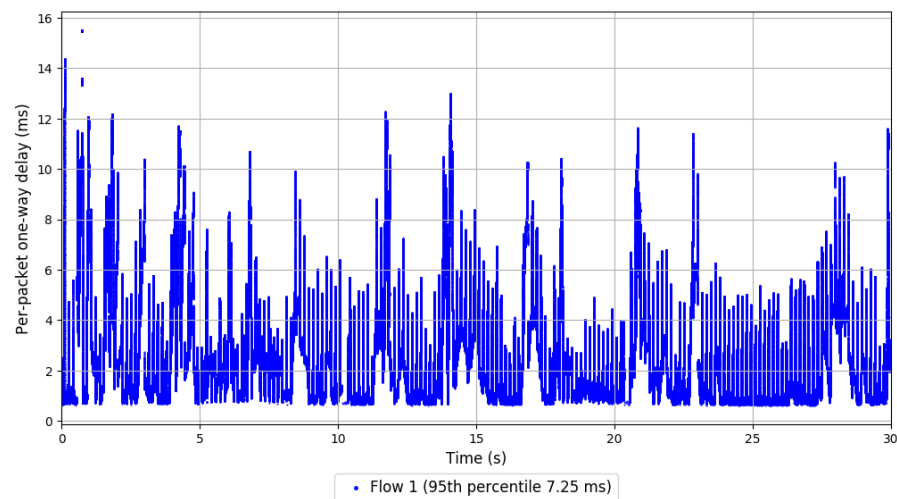
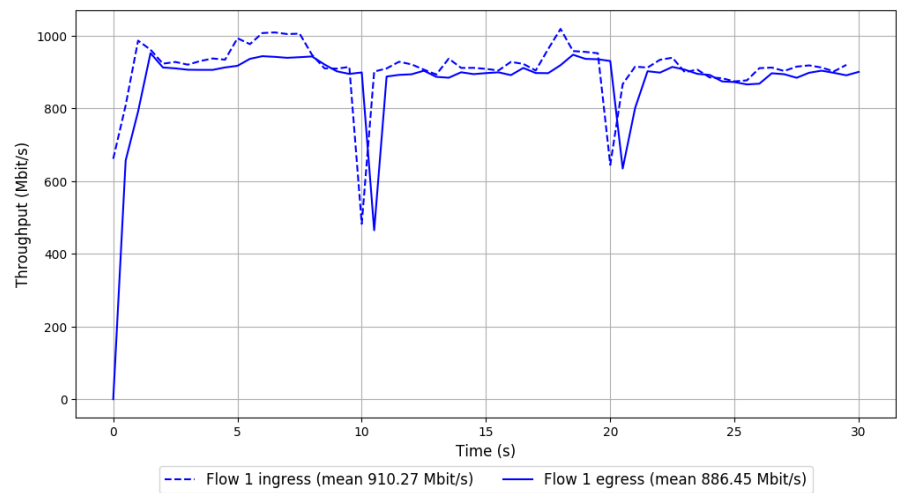
-- Flow 1:

Average throughput: 886.45 Mbit/s

95th percentile per-packet one-way delay: 7.250 ms

Loss rate: 2.61%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2019-01-24 15:23:13

End at: 2019-01-24 15:23:43

Local clock offset: -3.37 ms

Remote clock offset: 3.65 ms

Below is generated by plot.py at 2019-01-24 17:17:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 889.67 Mbit/s

95th percentile per-packet one-way delay: 9.102 ms

Loss rate: 2.20%

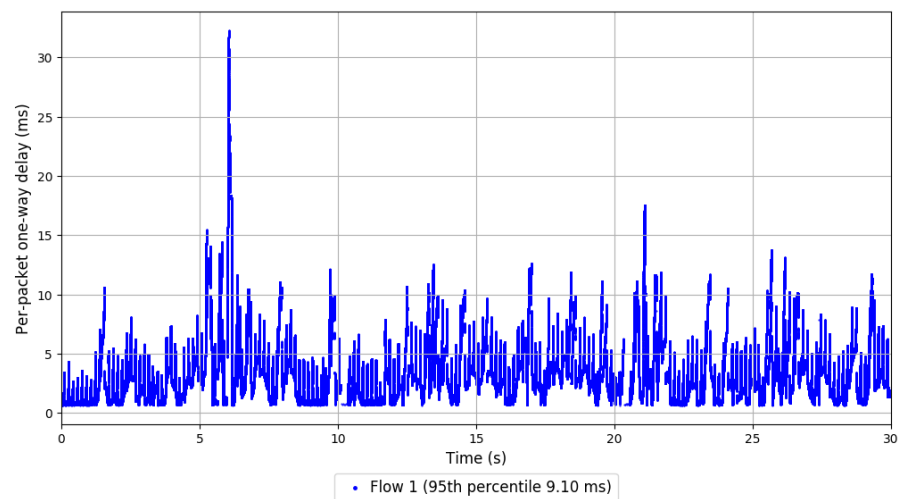
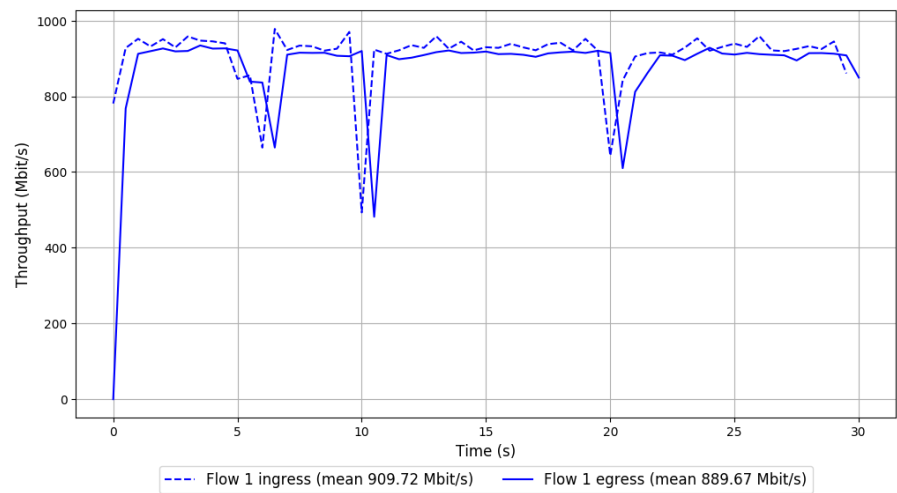
-- Flow 1:

Average throughput: 889.67 Mbit/s

95th percentile per-packet one-way delay: 9.102 ms

Loss rate: 2.20%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2019-01-24 15:52:12

End at: 2019-01-24 15:52:42

Local clock offset: 0.595 ms

Remote clock offset: 0.122 ms

Below is generated by plot.py at 2019-01-24 17:22:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 901.32 Mbit/s

95th percentile per-packet one-way delay: 6.443 ms

Loss rate: 2.58%

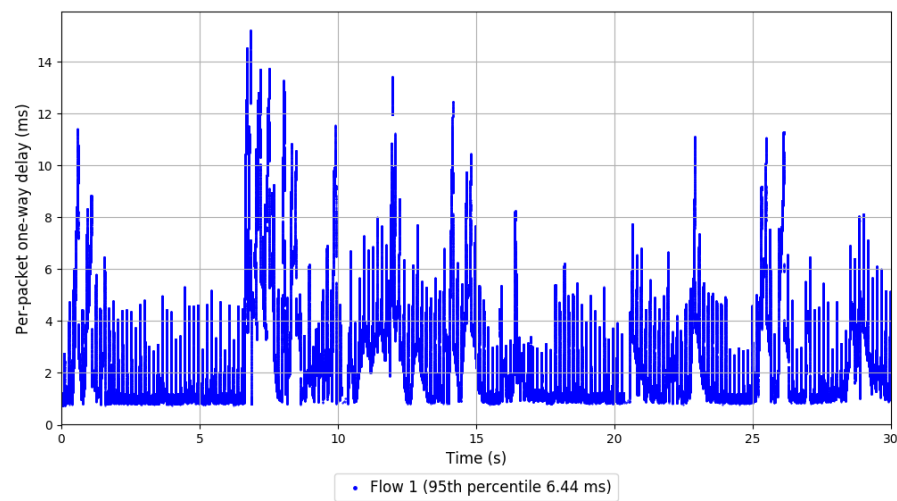
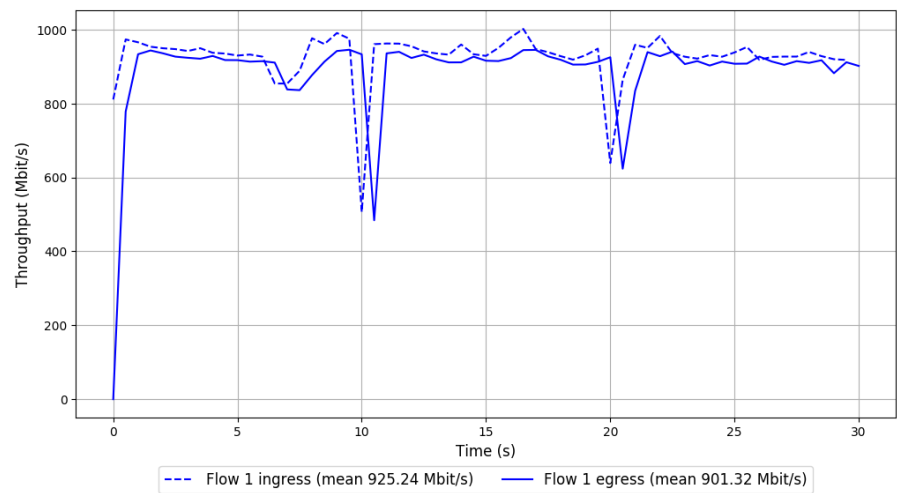
-- Flow 1:

Average throughput: 901.32 Mbit/s

95th percentile per-packet one-way delay: 6.443 ms

Loss rate: 2.58%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-01-24 16:21:02

End at: 2019-01-24 16:21:32

Local clock offset: 4.174 ms

Remote clock offset: -0.047 ms

Below is generated by plot.py at 2019-01-24 17:22:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 887.56 Mbit/s

95th percentile per-packet one-way delay: 9.380 ms

Loss rate: 2.42%

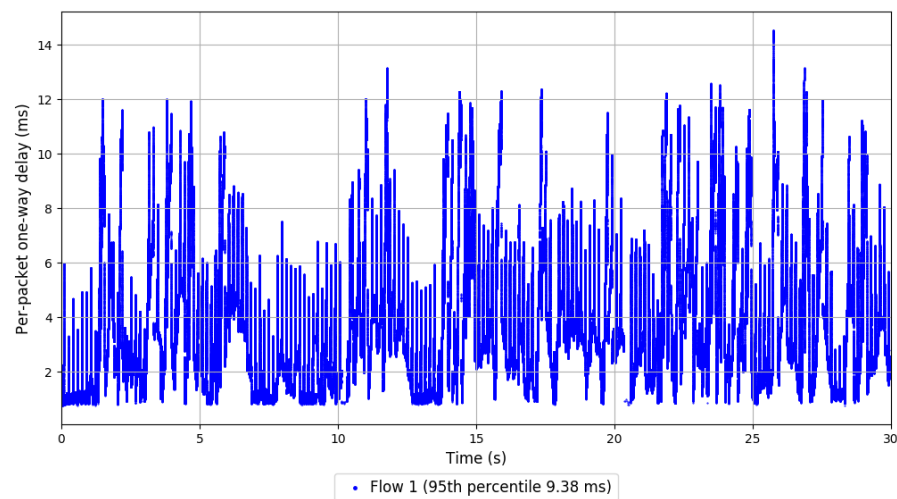
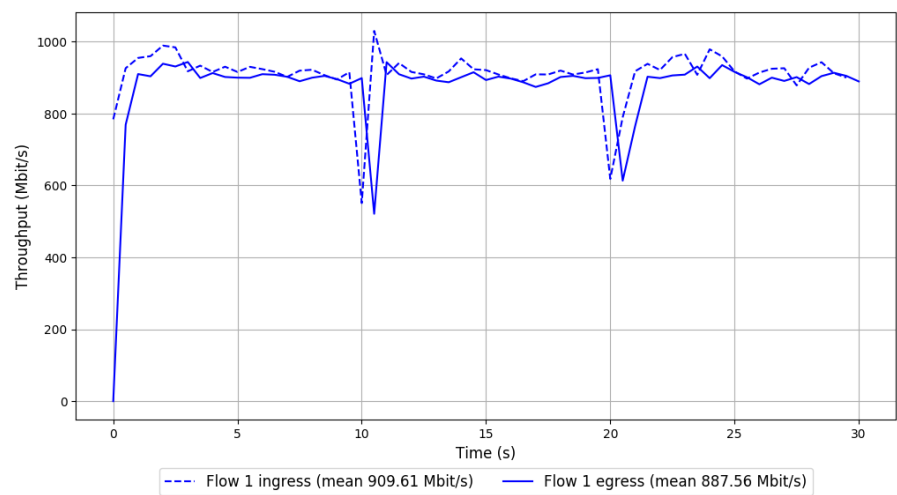
-- Flow 1:

Average throughput: 887.56 Mbit/s

95th percentile per-packet one-way delay: 9.380 ms

Loss rate: 2.42%

Run 5: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2019-01-24 14:36:06

End at: 2019-01-24 14:36:36

Local clock offset: 3.07 ms

Remote clock offset: 2.983 ms

Below is generated by plot.py at 2019-01-24 17:22:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 226.02 Mbit/s

95th percentile per-packet one-way delay: 0.737 ms

Loss rate: 0.00%

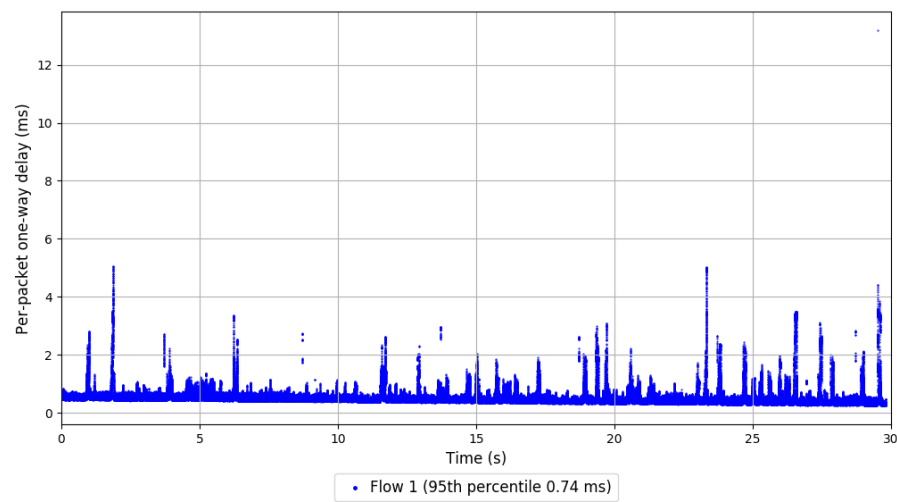
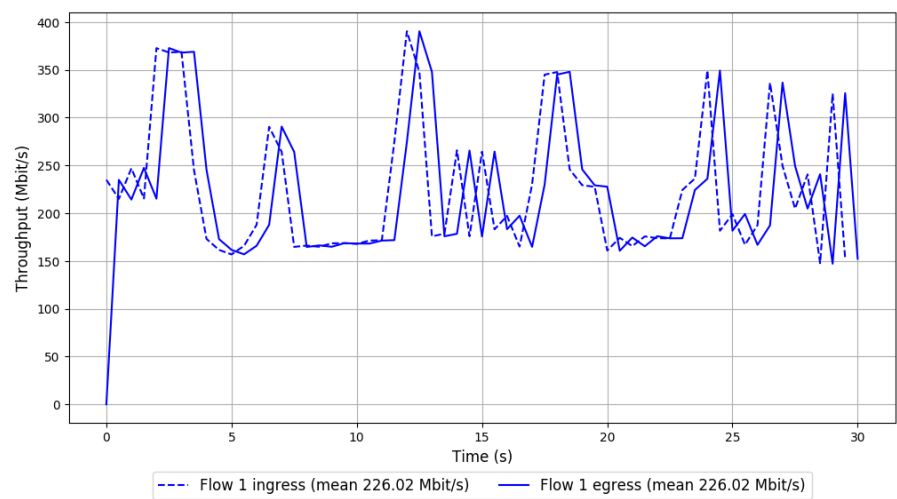
-- Flow 1:

Average throughput: 226.02 Mbit/s

95th percentile per-packet one-way delay: 0.737 ms

Loss rate: 0.00%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2019-01-24 15:05:07

End at: 2019-01-24 15:05:37

Local clock offset: -1.085 ms

Remote clock offset: 3.961 ms

Below is generated by plot.py at 2019-01-24 17:22:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 239.68 Mbit/s

95th percentile per-packet one-way delay: 1.082 ms

Loss rate: 0.00%

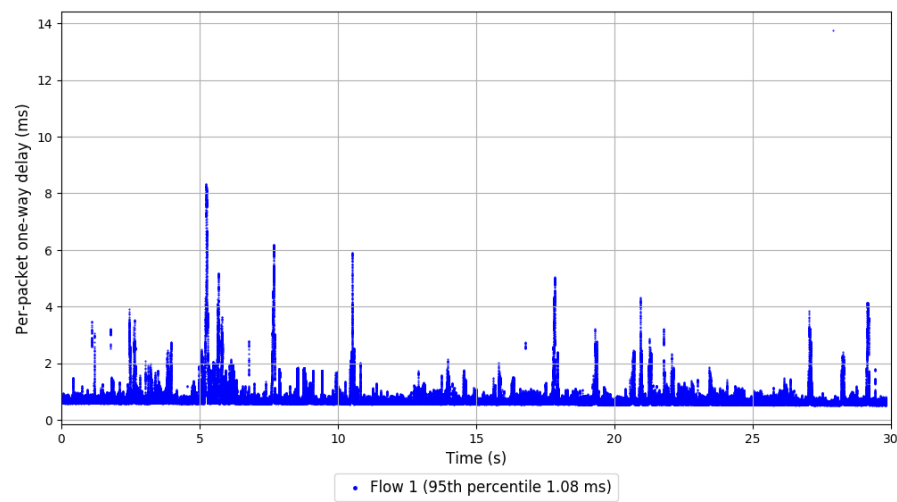
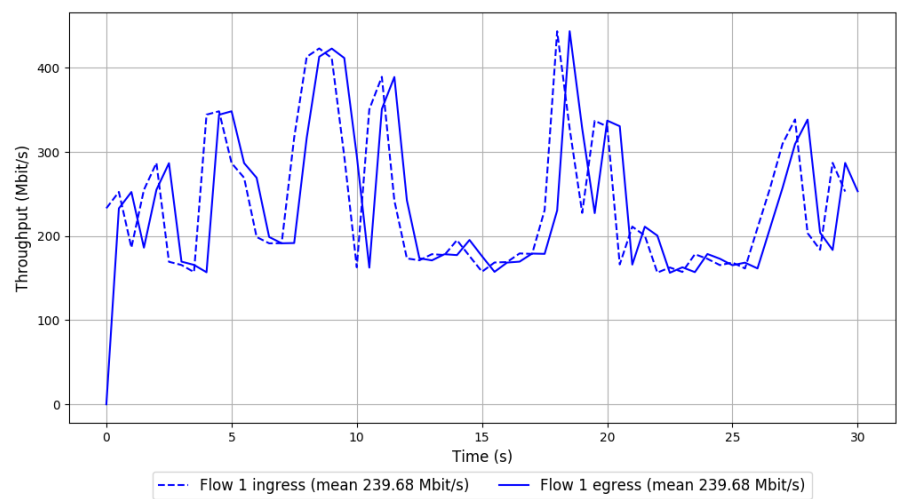
-- Flow 1:

Average throughput: 239.68 Mbit/s

95th percentile per-packet one-way delay: 1.082 ms

Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2019-01-24 15:34:04

End at: 2019-01-24 15:34:34

Local clock offset: -2.12 ms

Remote clock offset: 3.487 ms

Below is generated by plot.py at 2019-01-24 17:22:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 232.83 Mbit/s

95th percentile per-packet one-way delay: 1.453 ms

Loss rate: 0.00%

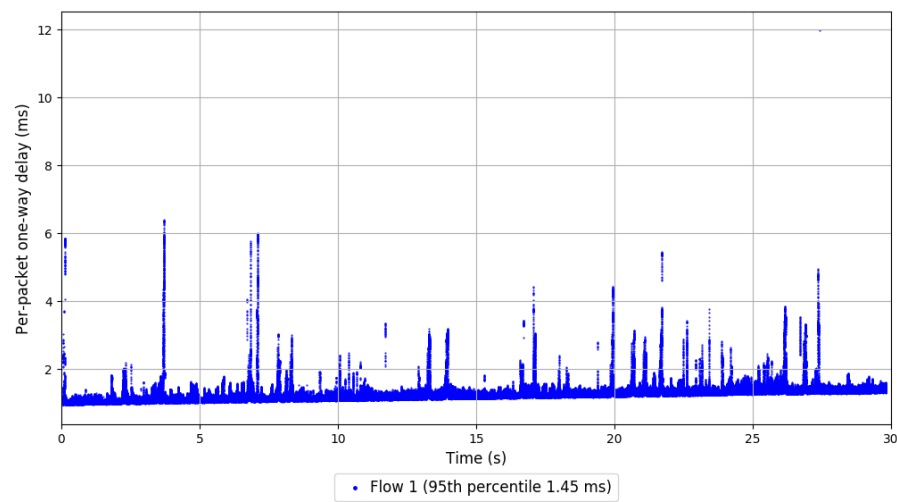
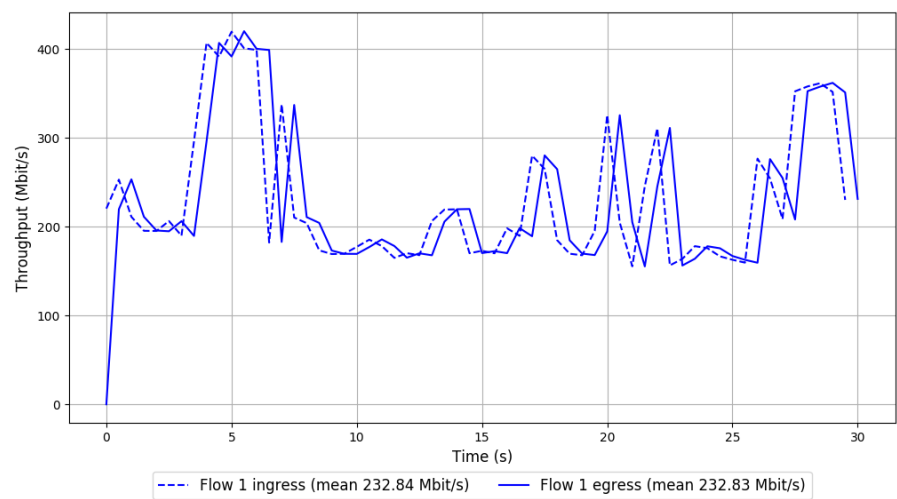
-- Flow 1:

Average throughput: 232.83 Mbit/s

95th percentile per-packet one-way delay: 1.453 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

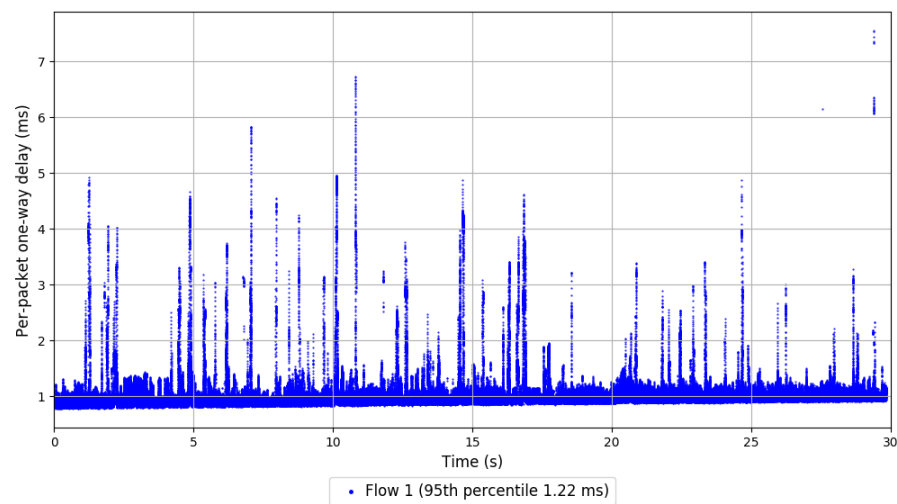
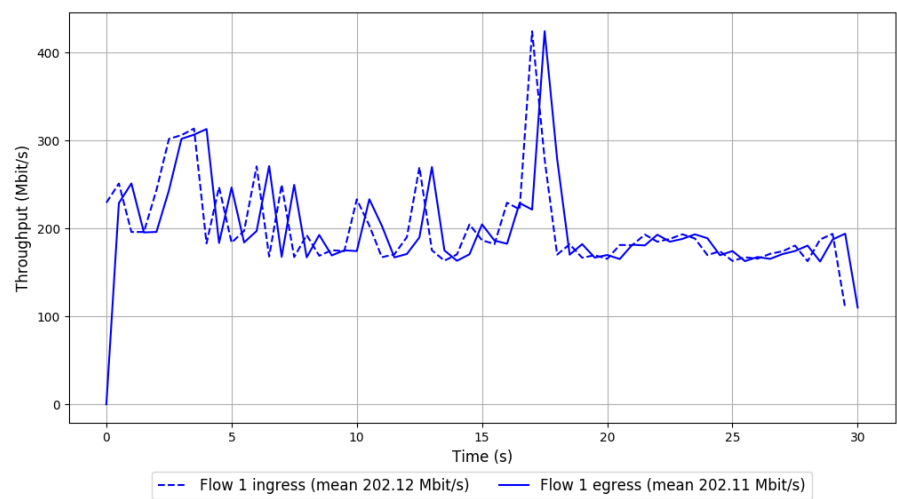


Run 4: Statistics of Indigo

Start at: 2019-01-24 16:02:59
End at: 2019-01-24 16:03:29
Local clock offset: 1.795 ms
Remote clock offset: -0.517 ms

Below is generated by plot.py at 2019-01-24 17:22:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 202.11 Mbit/s
95th percentile per-packet one-way delay: 1.220 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 202.11 Mbit/s
95th percentile per-packet one-way delay: 1.220 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

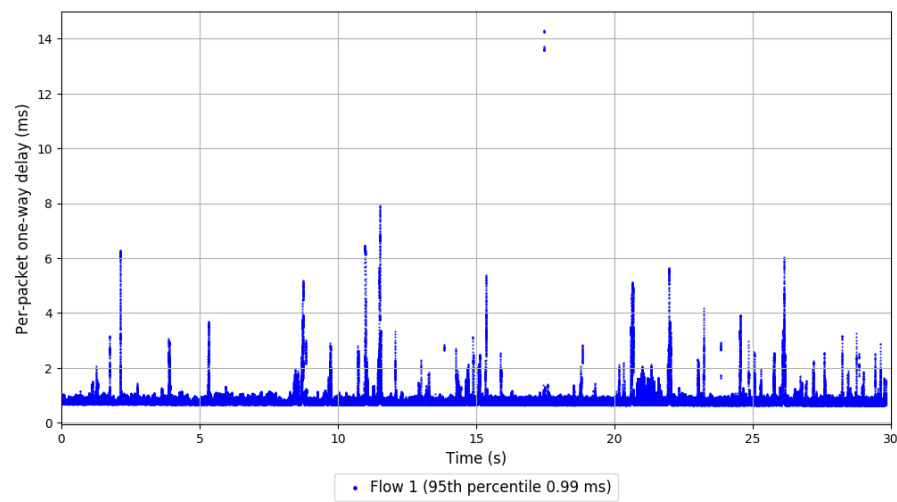
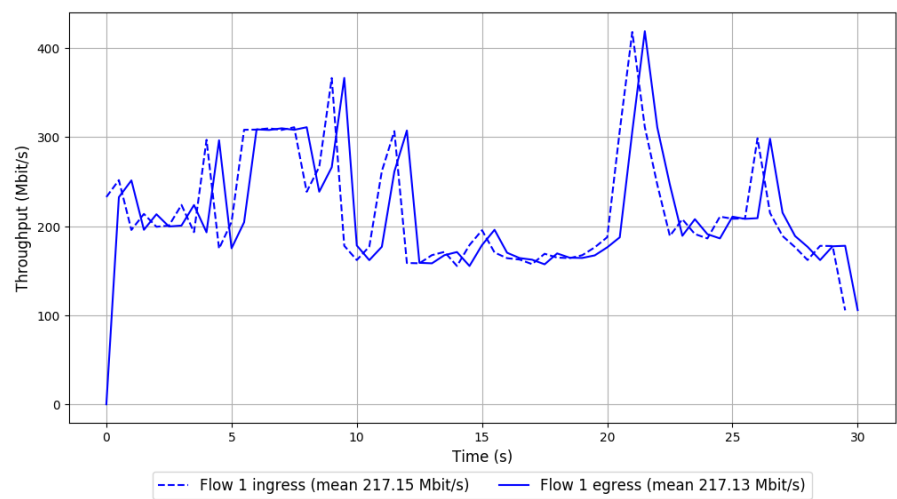


Run 5: Statistics of Indigo

Start at: 2019-01-24 16:31:32
End at: 2019-01-24 16:32:02
Local clock offset: 4.612 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2019-01-24 17:22:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 217.13 Mbit/s
95th percentile per-packet one-way delay: 0.994 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 217.13 Mbit/s
95th percentile per-packet one-way delay: 0.994 ms
Loss rate: 0.01%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

Start at: 2019-01-24 14:28:25

End at: 2019-01-24 14:28:55

Local clock offset: 5.724 ms

Remote clock offset: 1.874 ms

Below is generated by plot.py at 2019-01-24 17:22:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 168.84 Mbit/s

95th percentile per-packet one-way delay: 1.197 ms

Loss rate: 0.00%

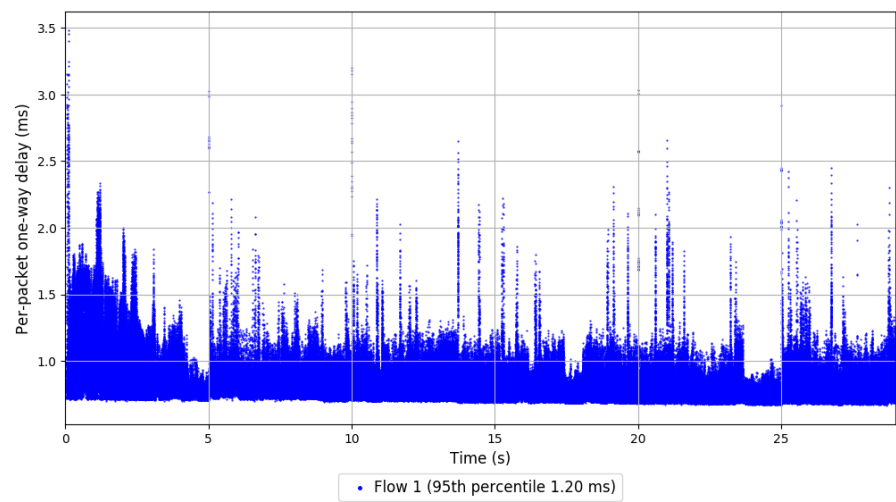
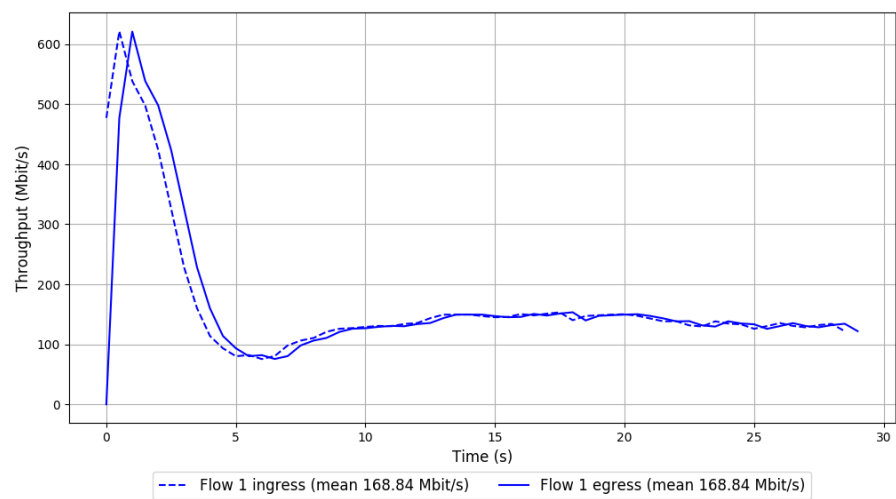
-- Flow 1:

Average throughput: 168.84 Mbit/s

95th percentile per-packet one-way delay: 1.197 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2019-01-24 14:57:19

End at: 2019-01-24 14:57:49

Local clock offset: 0.626 ms

Remote clock offset: 4.678 ms

Below is generated by plot.py at 2019-01-24 17:22:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.12 Mbit/s

95th percentile per-packet one-way delay: 1.205 ms

Loss rate: 0.05%

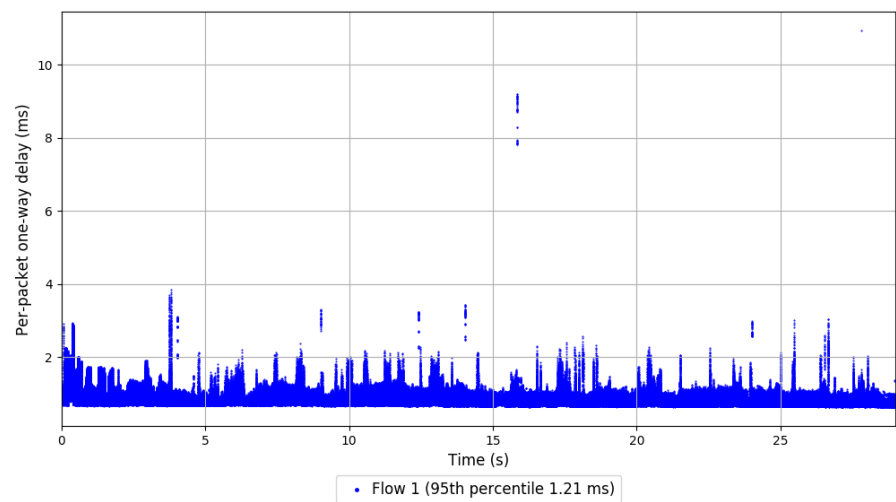
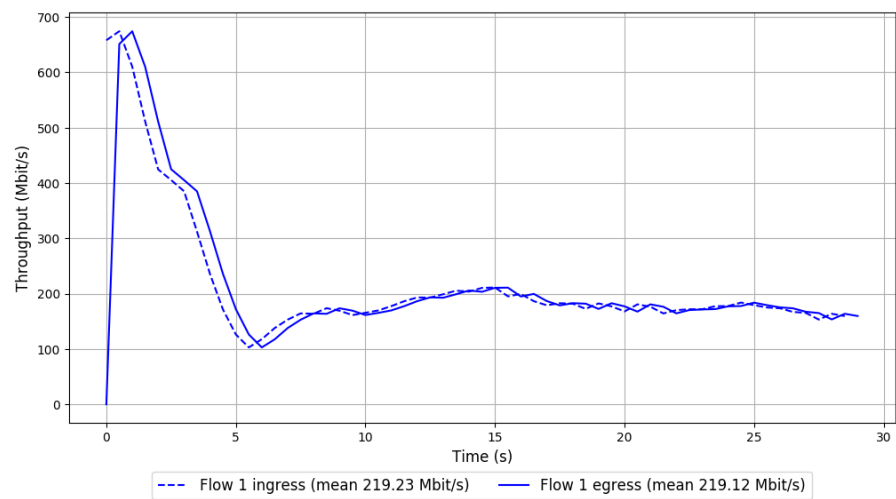
-- Flow 1:

Average throughput: 219.12 Mbit/s

95th percentile per-packet one-way delay: 1.205 ms

Loss rate: 0.05%

Run 2: Report of Indigo-MusesC3 — Data Link



Run 3: Statistics of Indigo-MusesC3

Start at: 2019-01-24 15:26:20

End at: 2019-01-24 15:26:50

Local clock offset: -3.567 ms

Remote clock offset: 3.755 ms

Below is generated by plot.py at 2019-01-24 17:22:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.07 Mbit/s

95th percentile per-packet one-way delay: 2.079 ms

Loss rate: 0.02%

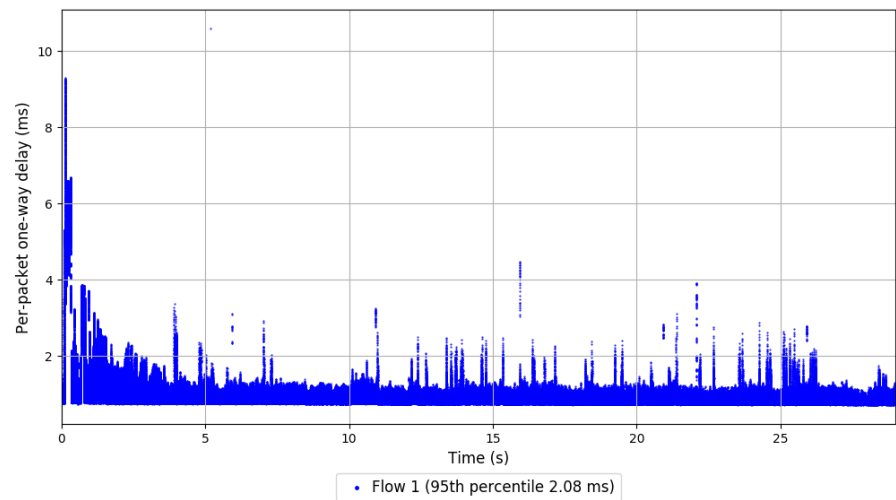
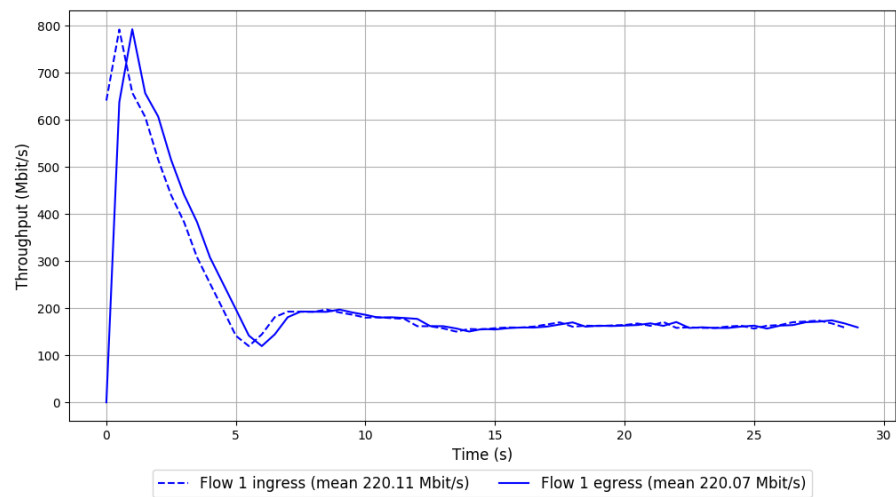
-- Flow 1:

Average throughput: 220.07 Mbit/s

95th percentile per-packet one-way delay: 2.079 ms

Loss rate: 0.02%

Run 3: Report of Indigo-MusesC3 — Data Link

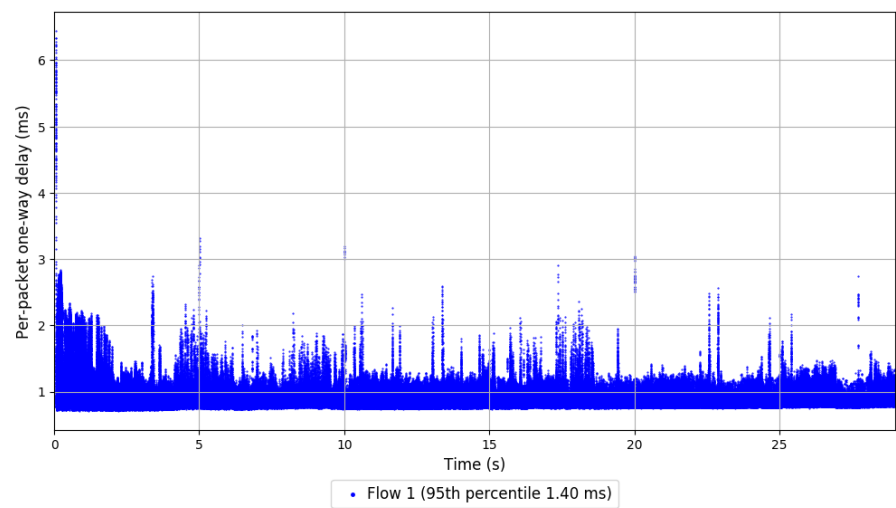
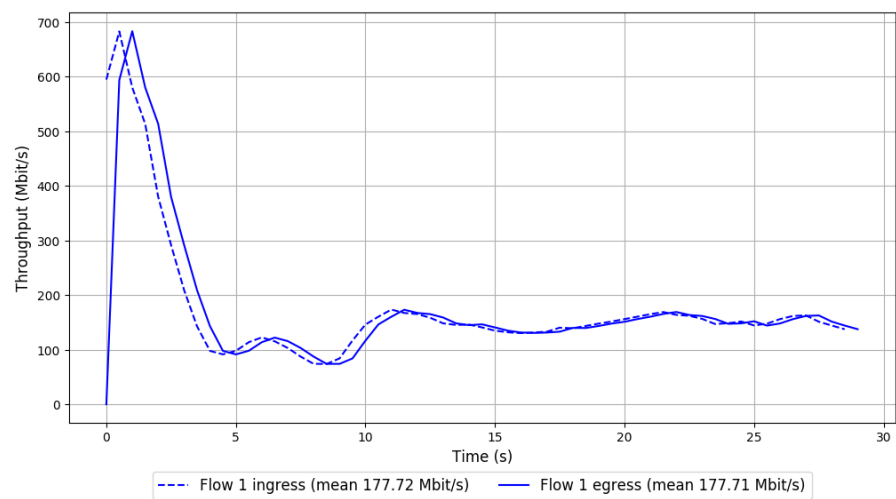


Run 4: Statistics of Indigo-MusesC3

Start at: 2019-01-24 15:55:21
End at: 2019-01-24 15:55:51
Local clock offset: 0.762 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2019-01-24 17:22:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 177.71 Mbit/s
95th percentile per-packet one-way delay: 1.401 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 177.71 Mbit/s
95th percentile per-packet one-way delay: 1.401 ms
Loss rate: 0.00%

Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2019-01-24 16:23:53

End at: 2019-01-24 16:24:23

Local clock offset: 4.394 ms

Remote clock offset: -0.029 ms

Below is generated by plot.py at 2019-01-24 17:22:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 232.03 Mbit/s

95th percentile per-packet one-way delay: 1.363 ms

Loss rate: 0.00%

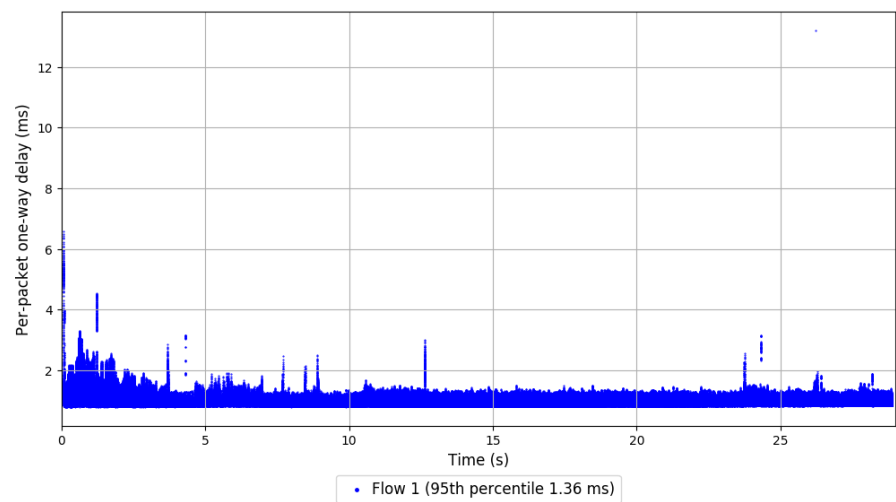
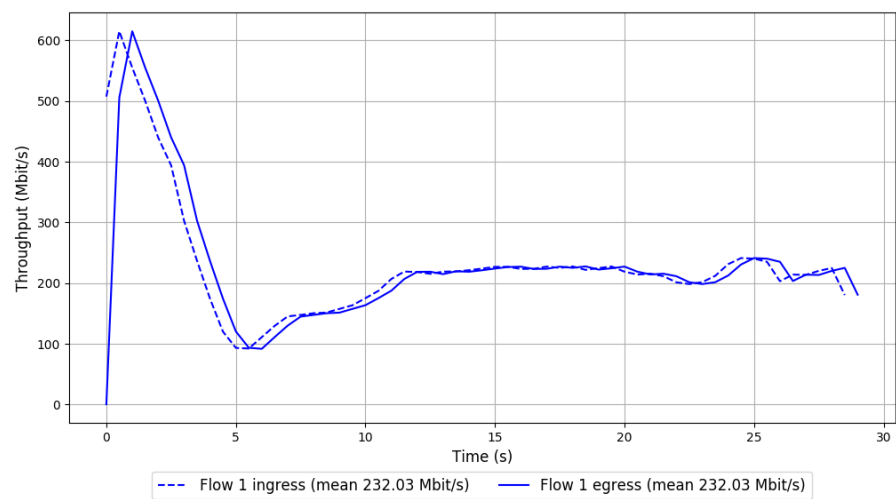
-- Flow 1:

Average throughput: 232.03 Mbit/s

95th percentile per-packet one-way delay: 1.363 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2019-01-24 14:29:43

End at: 2019-01-24 14:30:14

Local clock offset: 5.85 ms

Remote clock offset: 2.188 ms

Below is generated by plot.py at 2019-01-24 17:22:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 125.43 Mbit/s

95th percentile per-packet one-way delay: 1.420 ms

Loss rate: 0.00%

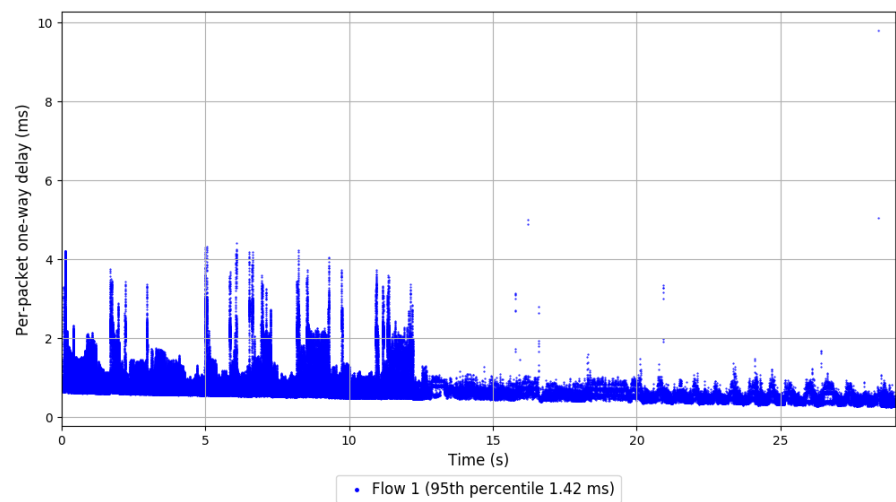
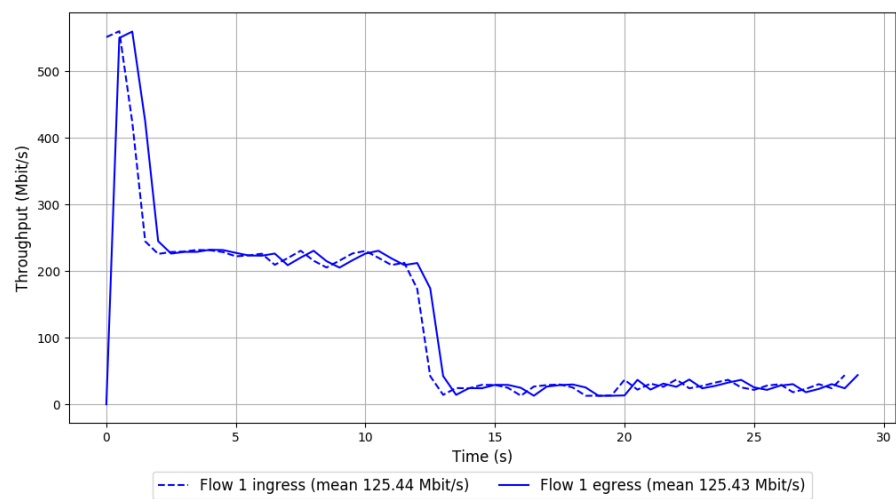
-- Flow 1:

Average throughput: 125.43 Mbit/s

95th percentile per-packet one-way delay: 1.420 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesC5 — Data Link



Run 2: Statistics of Indigo-MusesC5

Start at: 2019-01-24 14:58:39

End at: 2019-01-24 14:59:09

Local clock offset: 0.623 ms

Remote clock offset: 4.812 ms

Below is generated by plot.py at 2019-01-24 17:22:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 242.71 Mbit/s

95th percentile per-packet one-way delay: 1.700 ms

Loss rate: 0.00%

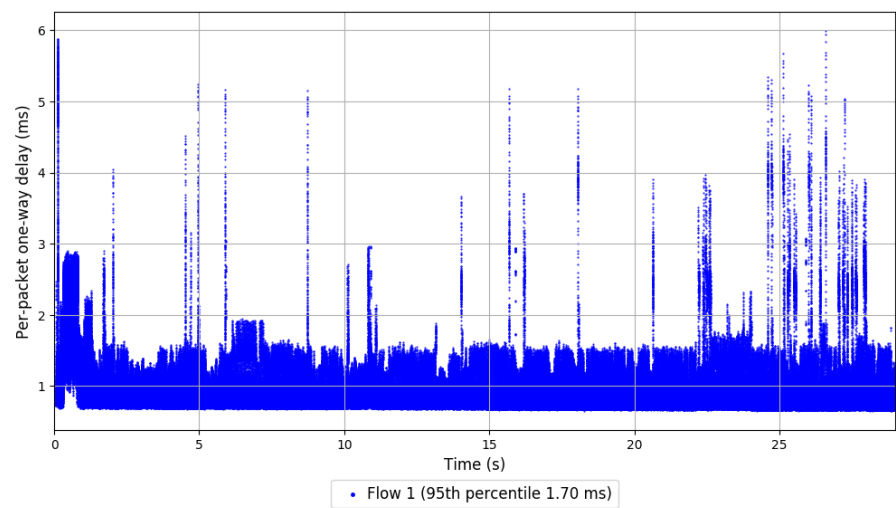
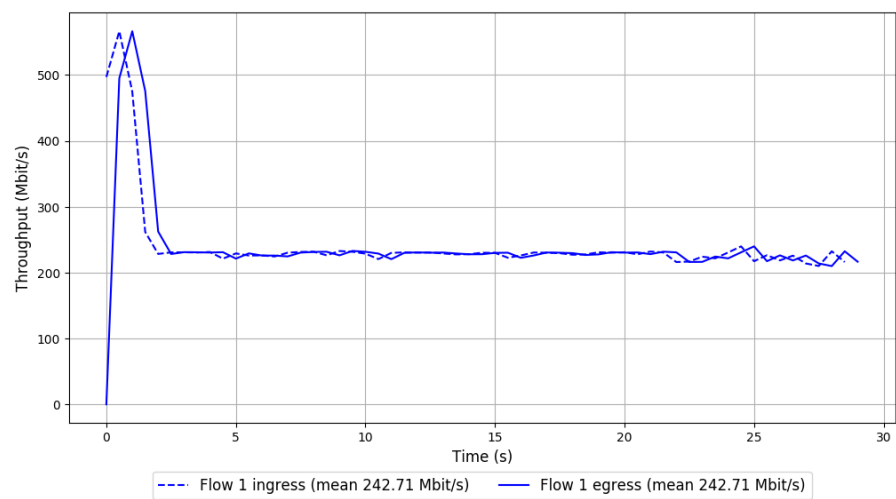
-- Flow 1:

Average throughput: 242.71 Mbit/s

95th percentile per-packet one-way delay: 1.700 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-01-24 15:27:40

End at: 2019-01-24 15:28:10

Local clock offset: -3.641 ms

Remote clock offset: 3.673 ms

Below is generated by plot.py at 2019-01-24 17:22:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.55 Mbit/s

95th percentile per-packet one-way delay: 1.283 ms

Loss rate: 0.00%

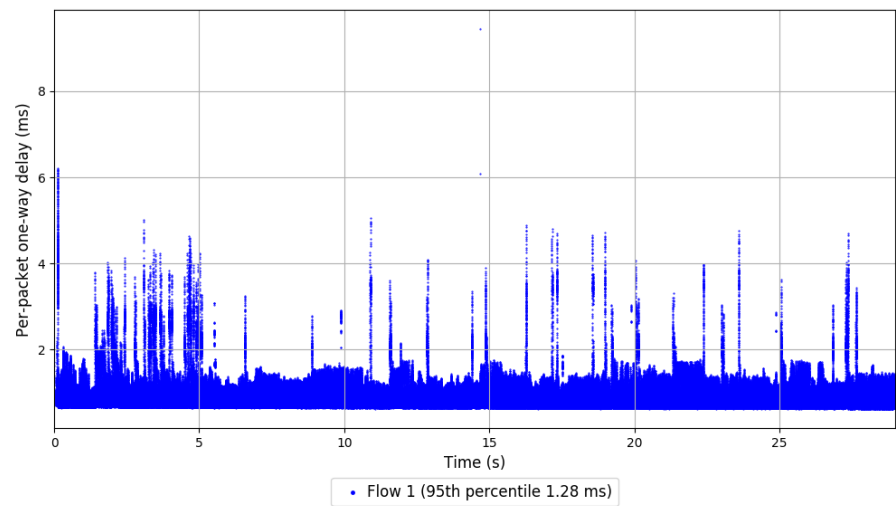
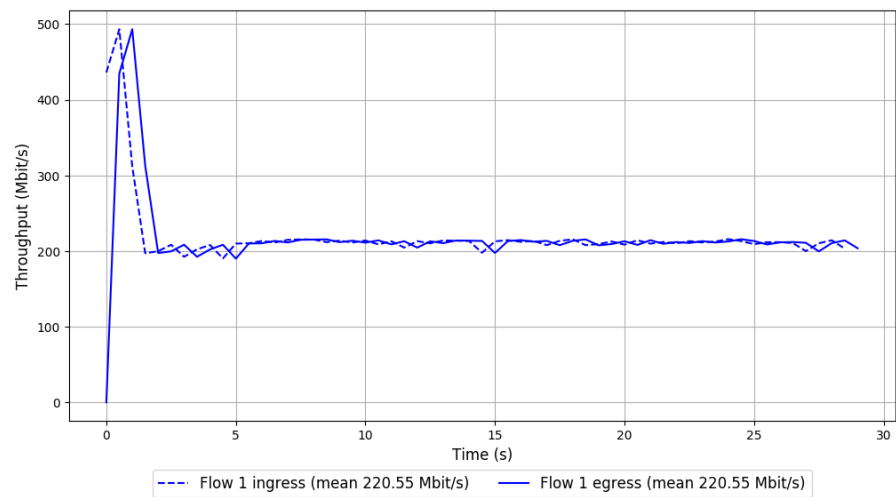
-- Flow 1:

Average throughput: 220.55 Mbit/s

95th percentile per-packet one-way delay: 1.283 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesC5 — Data Link

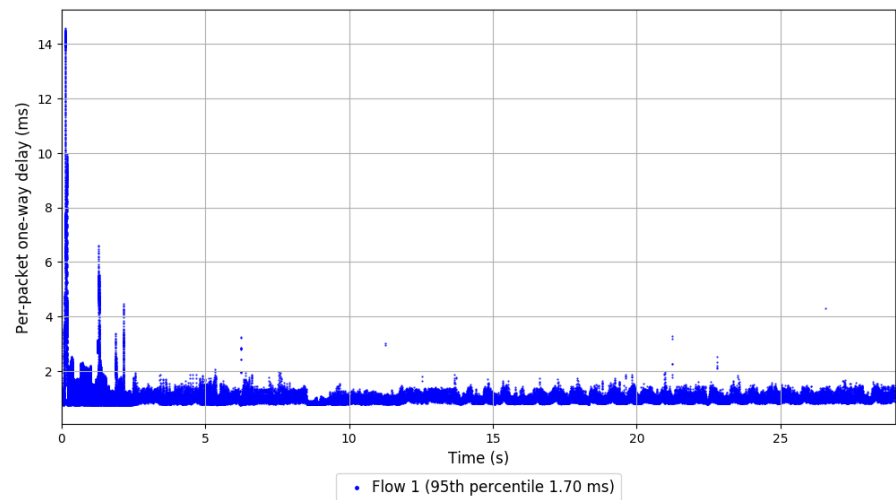
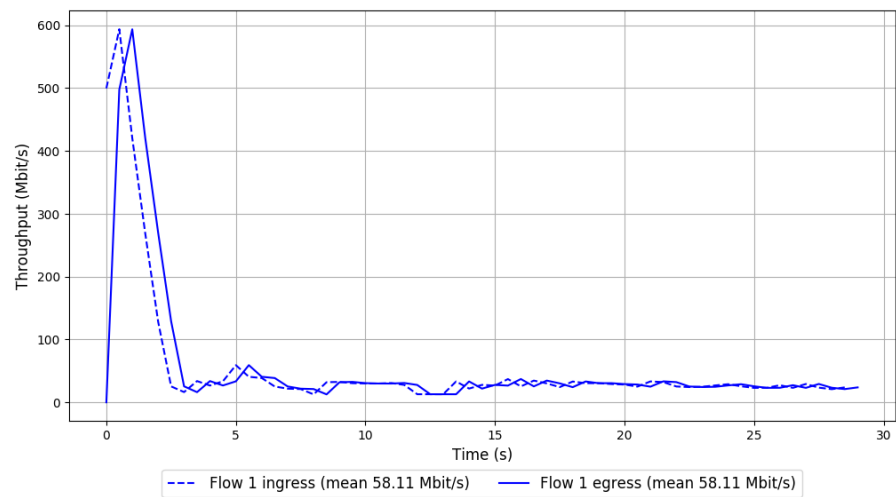


Run 4: Statistics of Indigo-MusesC5

Start at: 2019-01-24 15:56:39
End at: 2019-01-24 15:57:09
Local clock offset: 0.819 ms
Remote clock offset: -0.166 ms

Below is generated by plot.py at 2019-01-24 17:22:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 58.11 Mbit/s
95th percentile per-packet one-way delay: 1.703 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.11 Mbit/s
95th percentile per-packet one-way delay: 1.703 ms
Loss rate: 0.00%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-01-24 16:25:13

End at: 2019-01-24 16:25:43

Local clock offset: 4.509 ms

Remote clock offset: -0.072 ms

Below is generated by plot.py at 2019-01-24 17:22:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.14 Mbit/s

95th percentile per-packet one-way delay: 1.748 ms

Loss rate: 0.06%

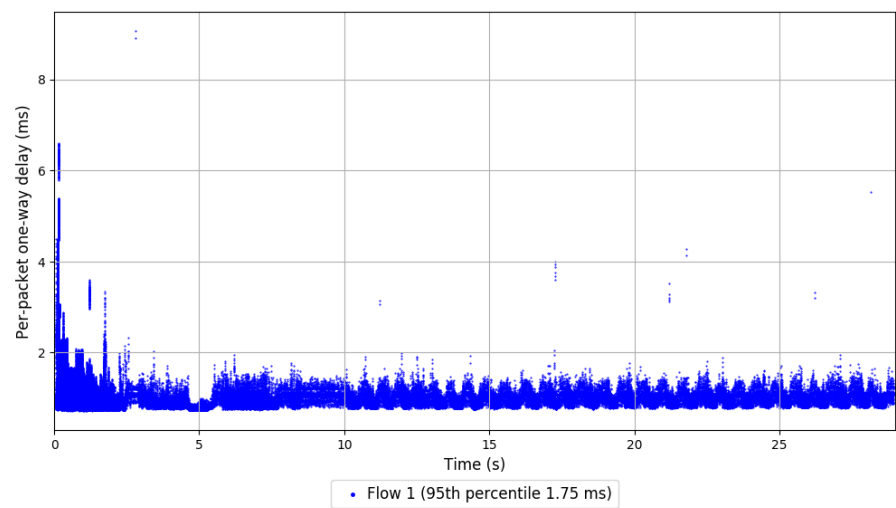
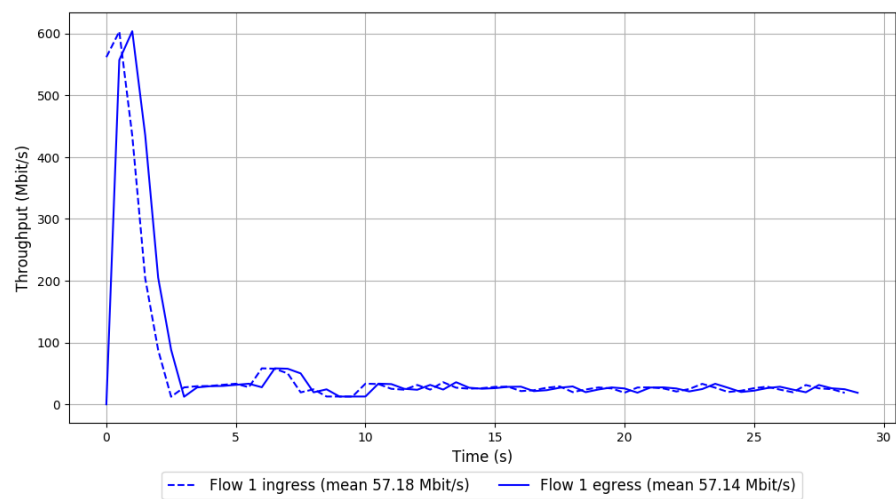
-- Flow 1:

Average throughput: 57.14 Mbit/s

95th percentile per-packet one-way delay: 1.748 ms

Loss rate: 0.06%

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

Start at: 2019-01-24 14:43:32

End at: 2019-01-24 14:44:02

Local clock offset: 1.452 ms

Remote clock offset: 3.738 ms

Below is generated by plot.py at 2019-01-24 17:22:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 155.80 Mbit/s

95th percentile per-packet one-way delay: 1.066 ms

Loss rate: 0.00%

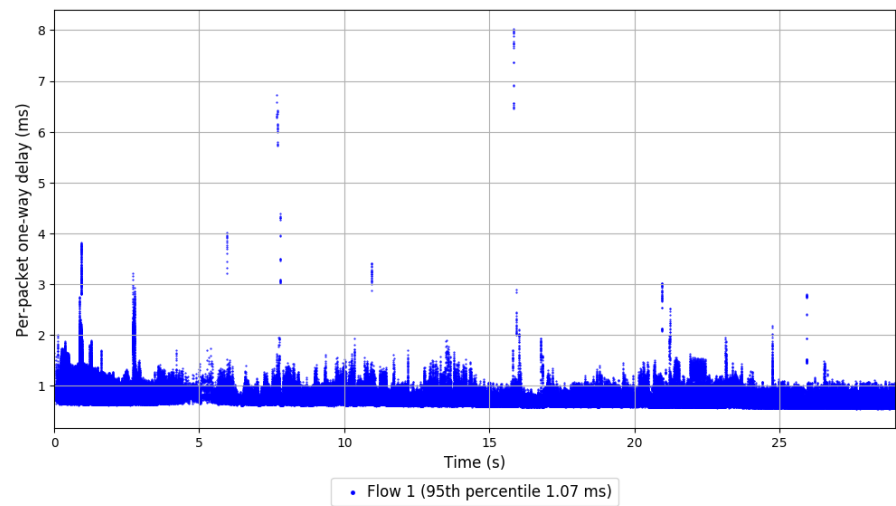
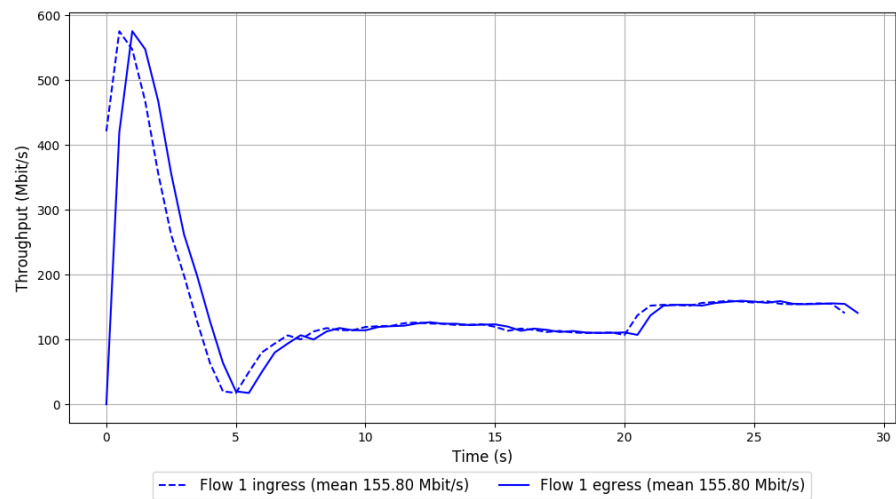
-- Flow 1:

Average throughput: 155.80 Mbit/s

95th percentile per-packet one-way delay: 1.066 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-01-24 15:12:27

End at: 2019-01-24 15:12:57

Local clock offset: -2.415 ms

Remote clock offset: 3.585 ms

Below is generated by plot.py at 2019-01-24 17:22:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 168.13 Mbit/s

95th percentile per-packet one-way delay: 1.269 ms

Loss rate: 0.02%

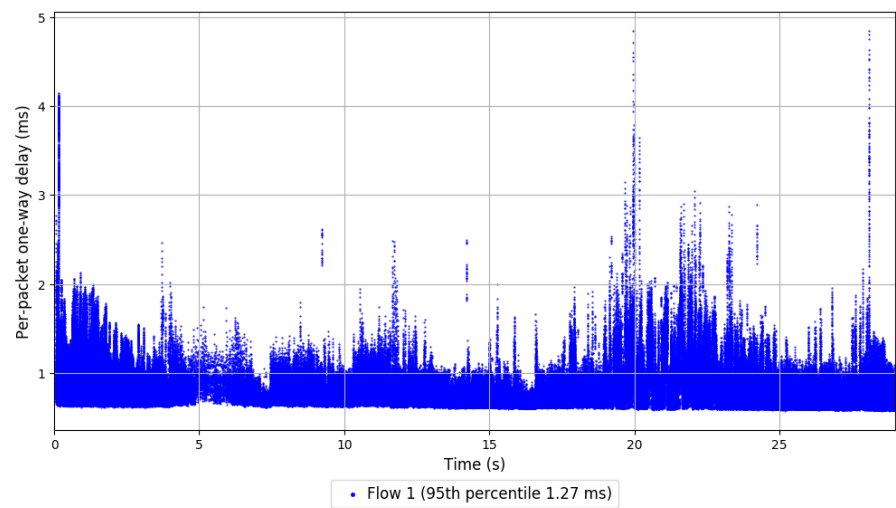
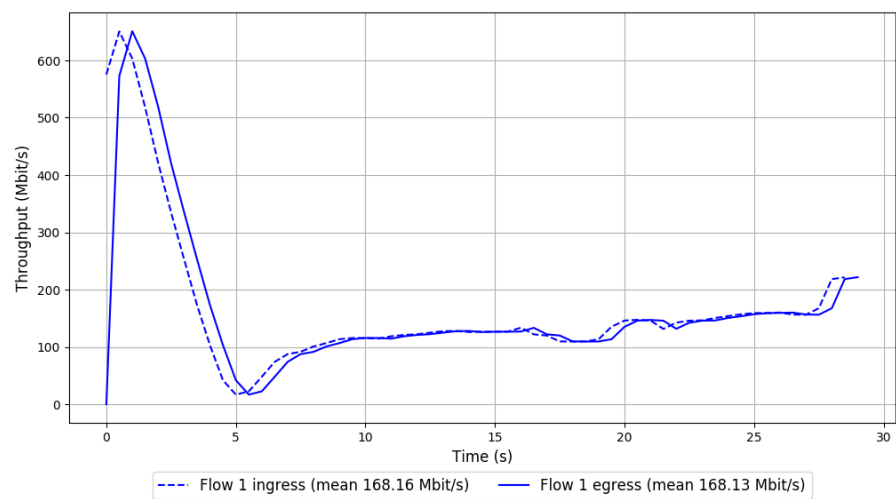
-- Flow 1:

Average throughput: 168.13 Mbit/s

95th percentile per-packet one-way delay: 1.269 ms

Loss rate: 0.02%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-01-24 15:41:29

End at: 2019-01-24 15:41:59

Local clock offset: -0.429 ms

Remote clock offset: 1.363 ms

Below is generated by plot.py at 2019-01-24 17:22:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.02 Mbit/s

95th percentile per-packet one-way delay: 1.642 ms

Loss rate: 0.00%

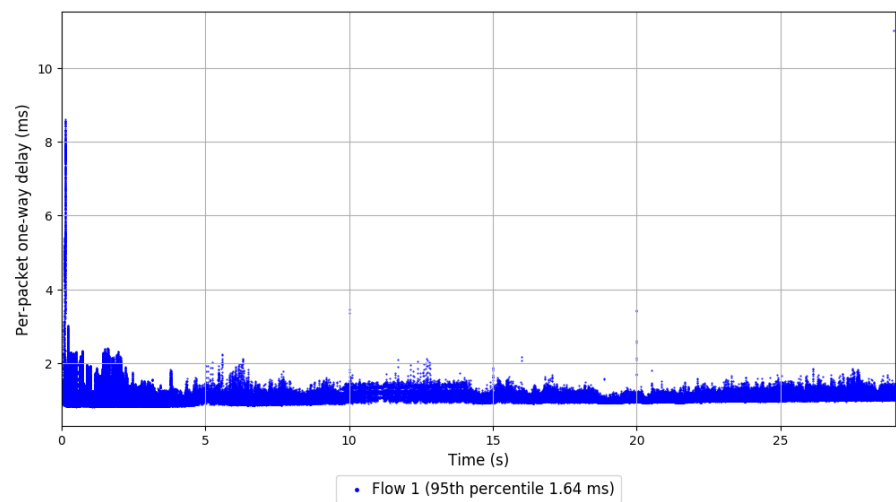
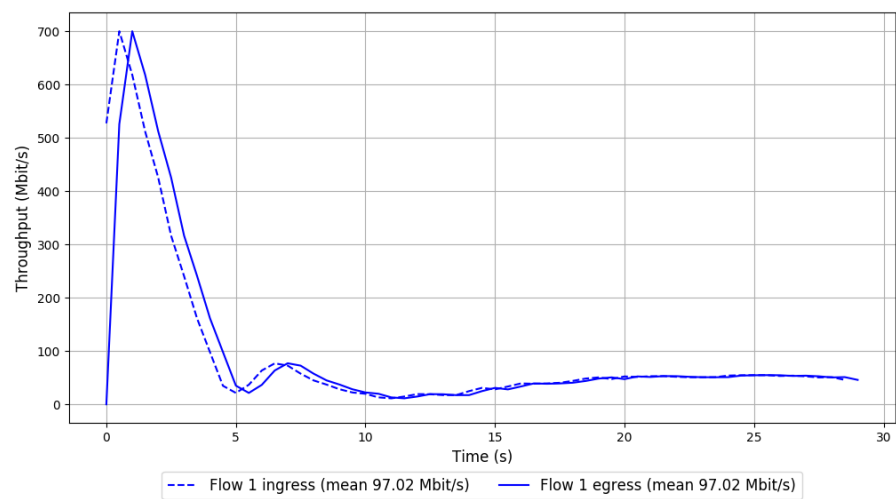
-- Flow 1:

Average throughput: 97.02 Mbit/s

95th percentile per-packet one-way delay: 1.642 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-01-24 16:10:18

End at: 2019-01-24 16:10:48

Local clock offset: 3.087 ms

Remote clock offset: -0.44 ms

Below is generated by plot.py at 2019-01-24 17:22:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.64 Mbit/s

95th percentile per-packet one-way delay: 3.504 ms

Loss rate: 0.02%

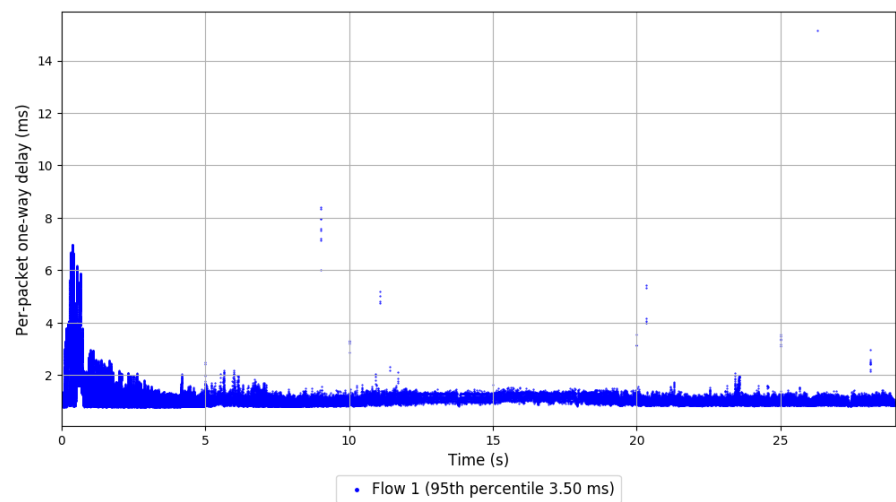
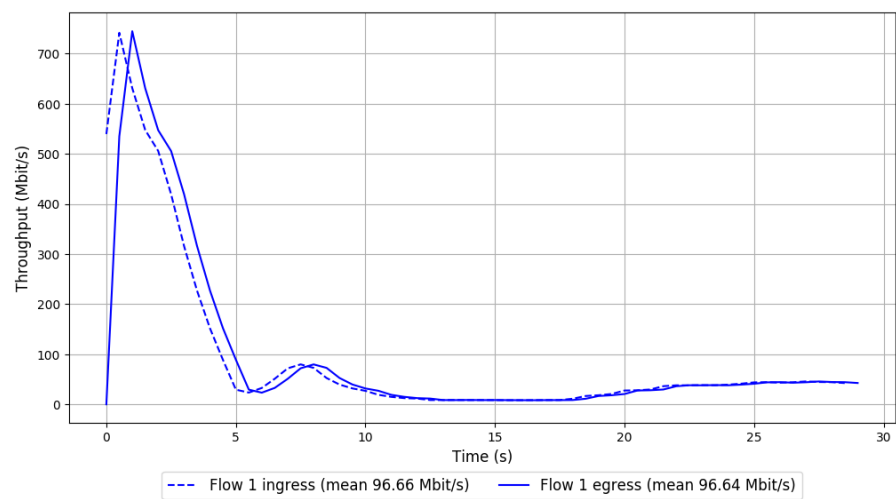
-- Flow 1:

Average throughput: 96.64 Mbit/s

95th percentile per-packet one-way delay: 3.504 ms

Loss rate: 0.02%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-01-24 16:38:50

End at: 2019-01-24 16:39:20

Local clock offset: 4.074 ms

Remote clock offset: -0.119 ms

Below is generated by plot.py at 2019-01-24 17:22:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 165.74 Mbit/s

95th percentile per-packet one-way delay: 1.975 ms

Loss rate: 0.01%

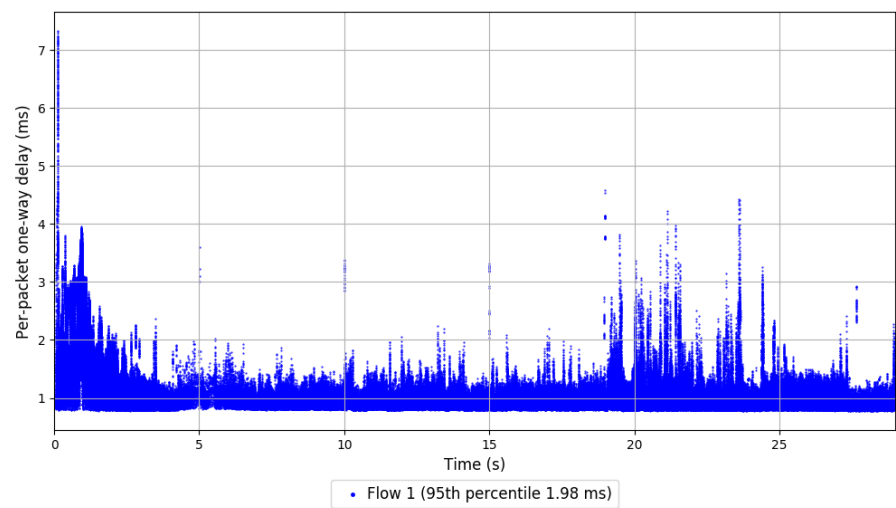
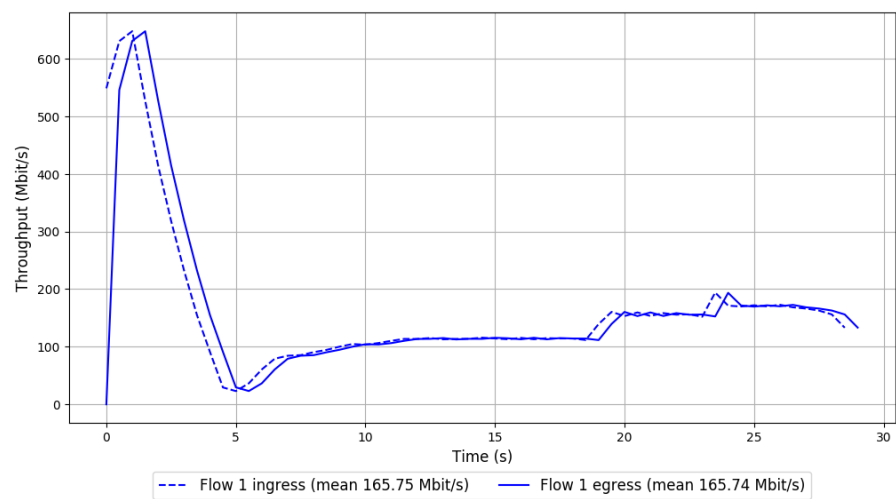
-- Flow 1:

Average throughput: 165.74 Mbit/s

95th percentile per-packet one-way delay: 1.975 ms

Loss rate: 0.01%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MusesT

Start at: 2019-01-24 14:37:28

End at: 2019-01-24 14:37:58

Local clock offset: 2.636 ms

Remote clock offset: 3.117 ms

Below is generated by plot.py at 2019-01-24 17:23:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 372.54 Mbit/s

95th percentile per-packet one-way delay: 1.059 ms

Loss rate: 0.00%

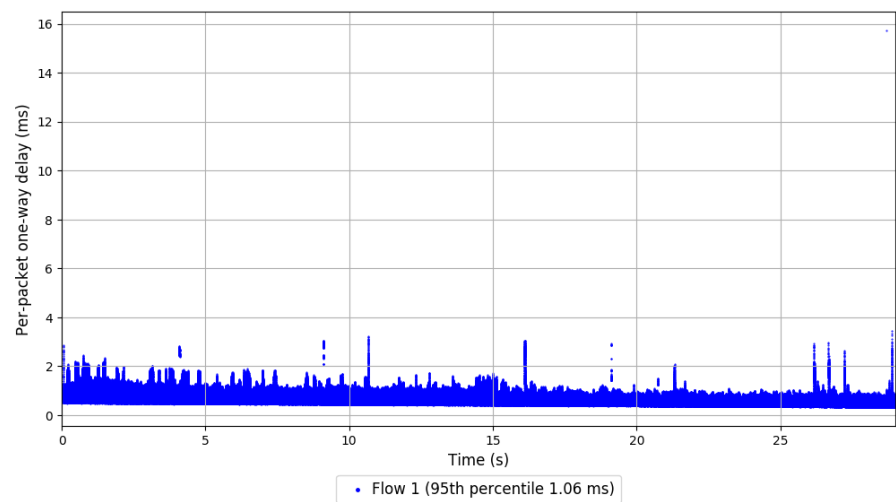
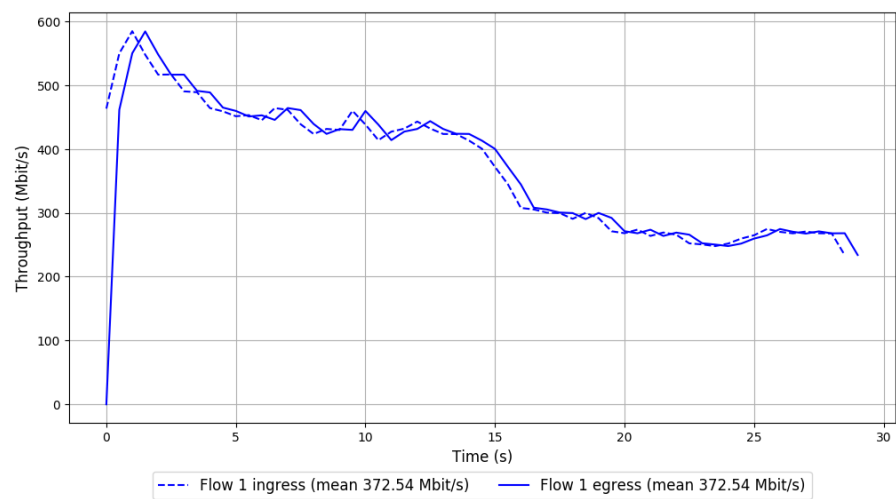
-- Flow 1:

Average throughput: 372.54 Mbit/s

95th percentile per-packet one-way delay: 1.059 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-01-24 15:06:29

End at: 2019-01-24 15:06:59

Local clock offset: -1.401 ms

Remote clock offset: 3.864 ms

Below is generated by plot.py at 2019-01-24 17:23:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 330.35 Mbit/s

95th percentile per-packet one-way delay: 1.114 ms

Loss rate: 0.00%

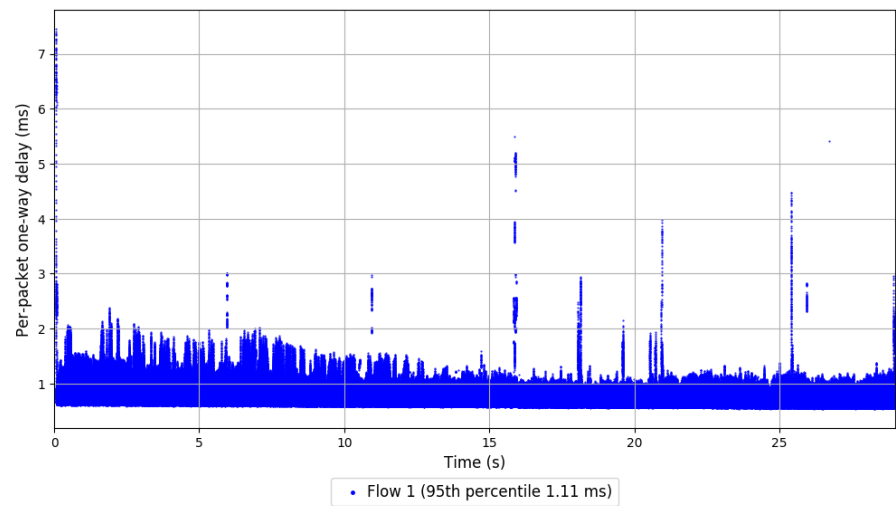
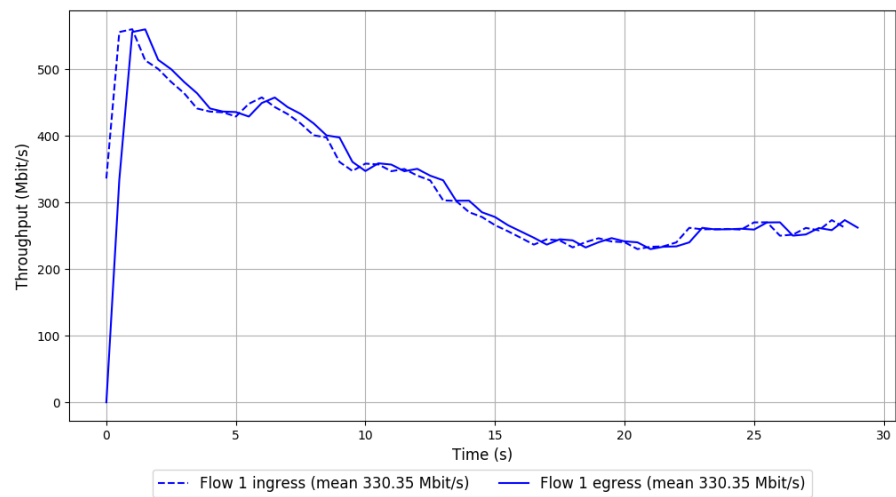
-- Flow 1:

Average throughput: 330.35 Mbit/s

95th percentile per-packet one-way delay: 1.114 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

Start at: 2019-01-24 15:35:27

End at: 2019-01-24 15:35:57

Local clock offset: -1.664 ms

Remote clock offset: 3.057 ms

Below is generated by plot.py at 2019-01-24 17:23:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 325.61 Mbit/s

95th percentile per-packet one-way delay: 1.644 ms

Loss rate: 0.00%

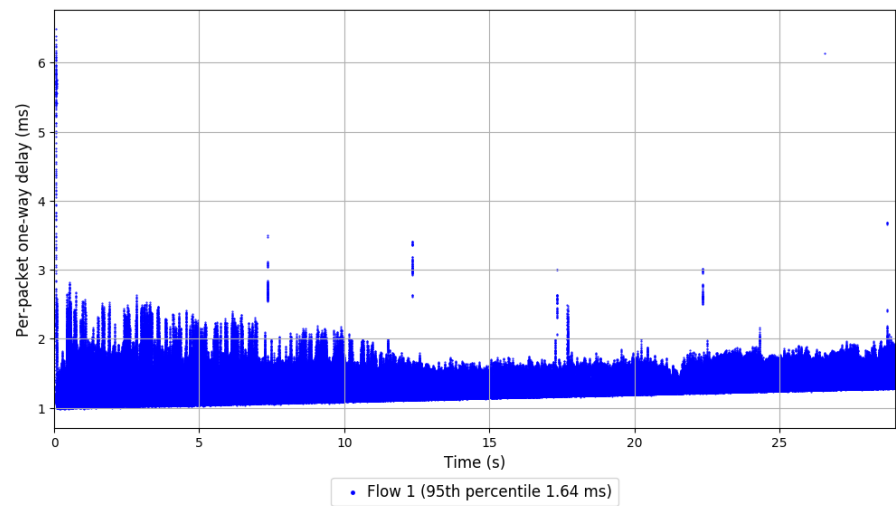
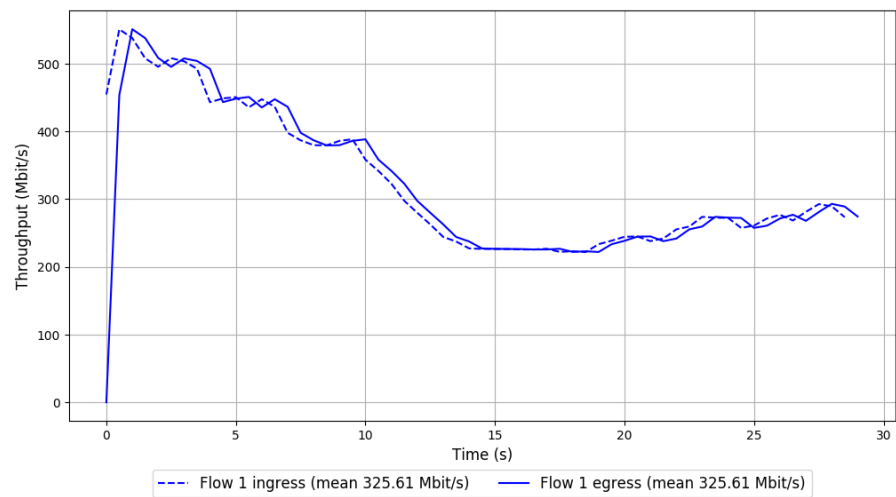
-- Flow 1:

Average throughput: 325.61 Mbit/s

95th percentile per-packet one-way delay: 1.644 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2019-01-24 16:04:20

End at: 2019-01-24 16:04:50

Local clock offset: 2.059 ms

Remote clock offset: -0.455 ms

Below is generated by plot.py at 2019-01-24 17:23:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 282.43 Mbit/s

95th percentile per-packet one-way delay: 1.470 ms

Loss rate: 0.00%

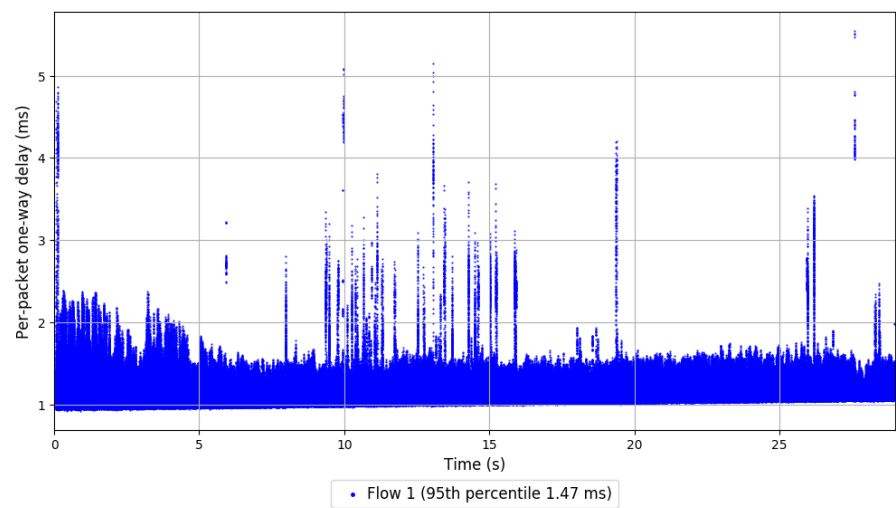
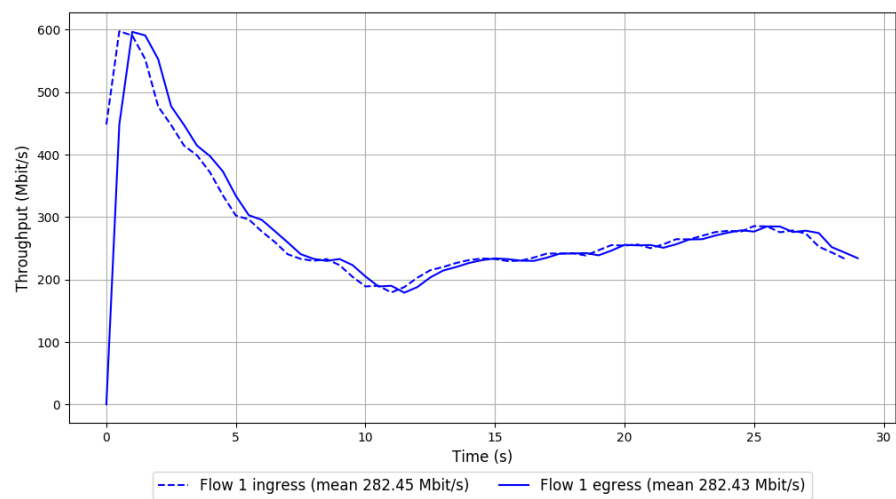
-- Flow 1:

Average throughput: 282.43 Mbit/s

95th percentile per-packet one-way delay: 1.470 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-01-24 16:32:53

End at: 2019-01-24 16:33:23

Local clock offset: 4.454 ms

Remote clock offset: -0.14 ms

Below is generated by plot.py at 2019-01-24 17:23:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 297.35 Mbit/s

95th percentile per-packet one-way delay: 1.116 ms

Loss rate: 0.00%

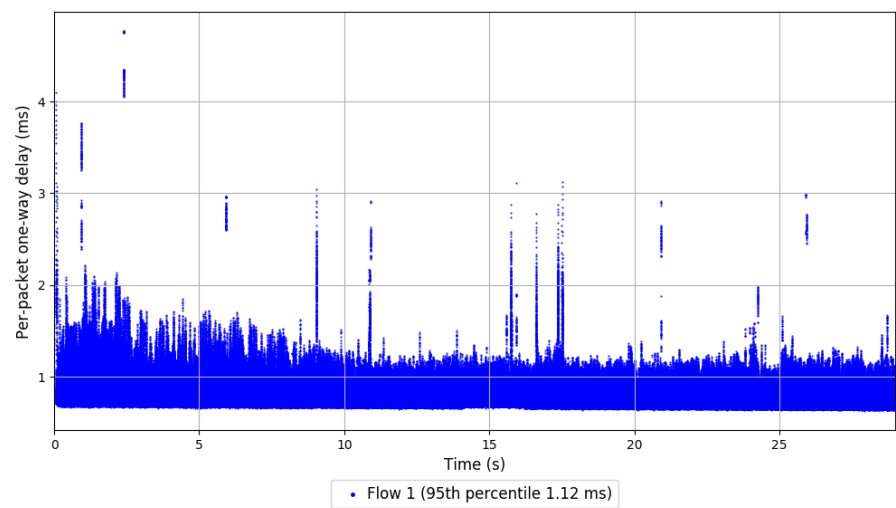
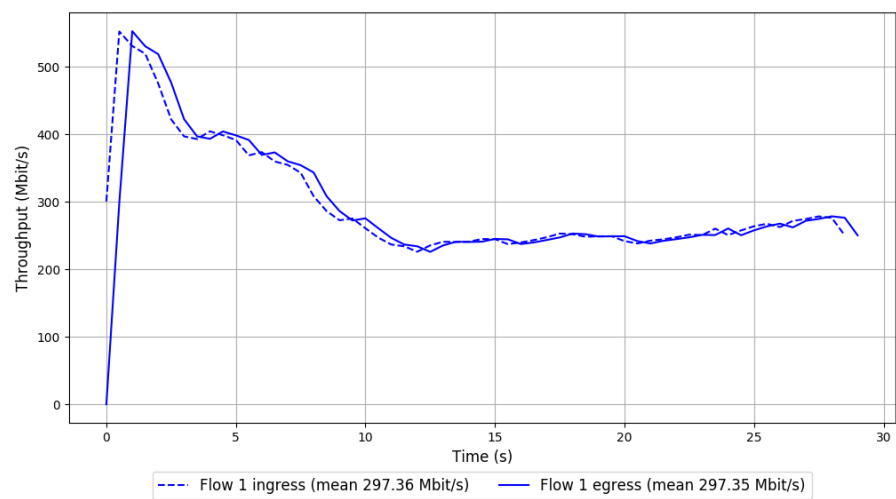
-- Flow 1:

Average throughput: 297.35 Mbit/s

95th percentile per-packet one-way delay: 1.116 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesT — Data Link



Run 1: Statistics of LEDBAT

Start at: 2019-01-24 14:40:18

End at: 2019-01-24 14:40:48

Local clock offset: 1.935 ms

Remote clock offset: 3.446 ms

Below is generated by plot.py at 2019-01-24 17:26:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 590.58 Mbit/s

95th percentile per-packet one-way delay: 16.372 ms

Loss rate: 0.04%

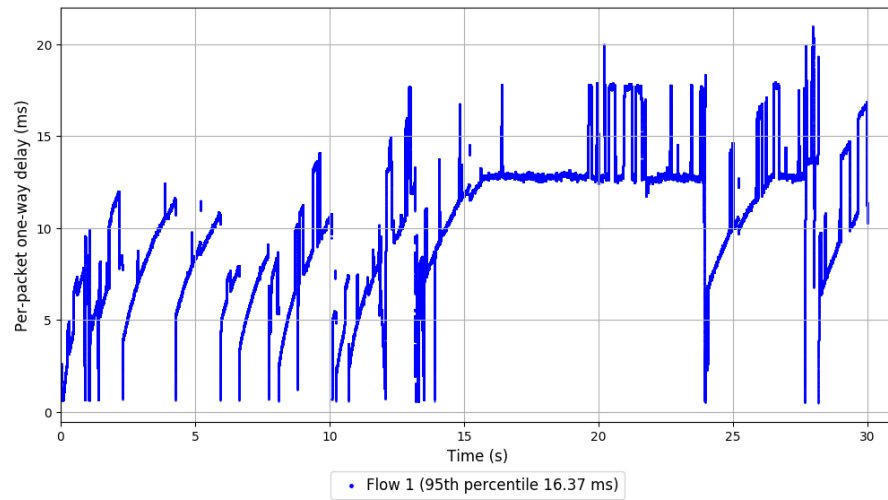
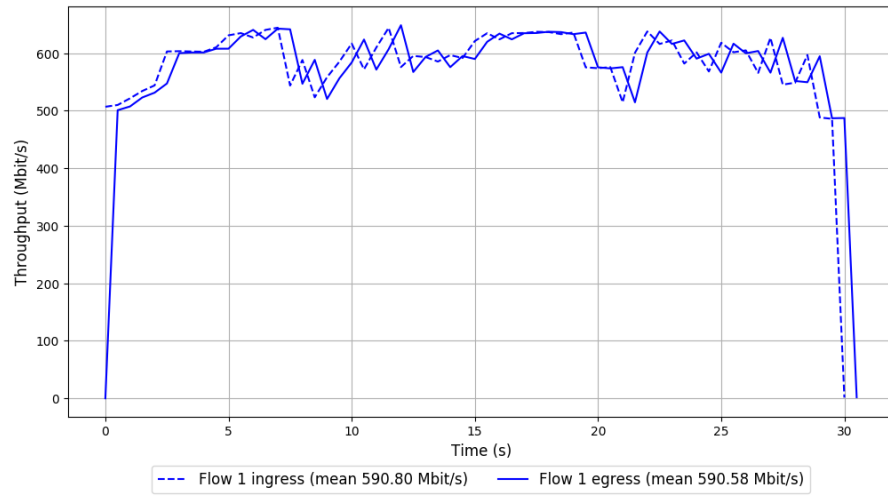
-- Flow 1:

Average throughput: 590.58 Mbit/s

95th percentile per-packet one-way delay: 16.372 ms

Loss rate: 0.04%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2019-01-24 15:09:12

End at: 2019-01-24 15:09:42

Local clock offset: -1.918 ms

Remote clock offset: 3.664 ms

Below is generated by plot.py at 2019-01-24 17:29:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 635.90 Mbit/s

95th percentile per-packet one-way delay: 16.788 ms

Loss rate: 0.05%

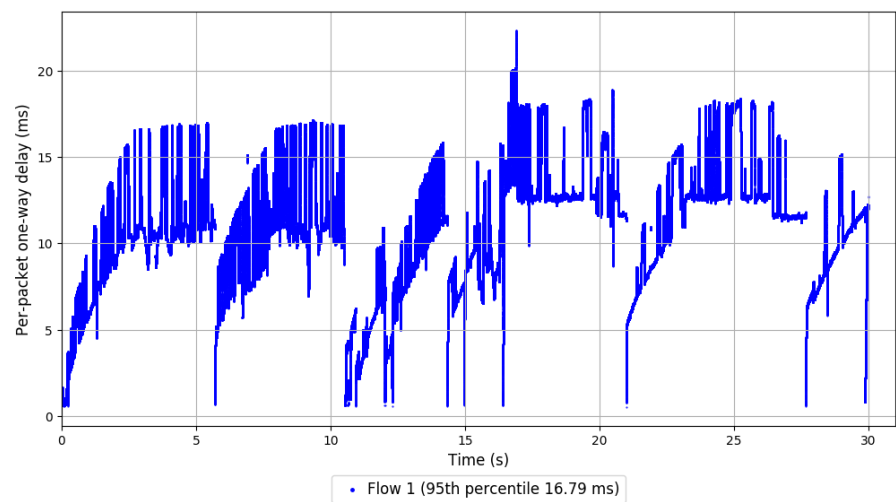
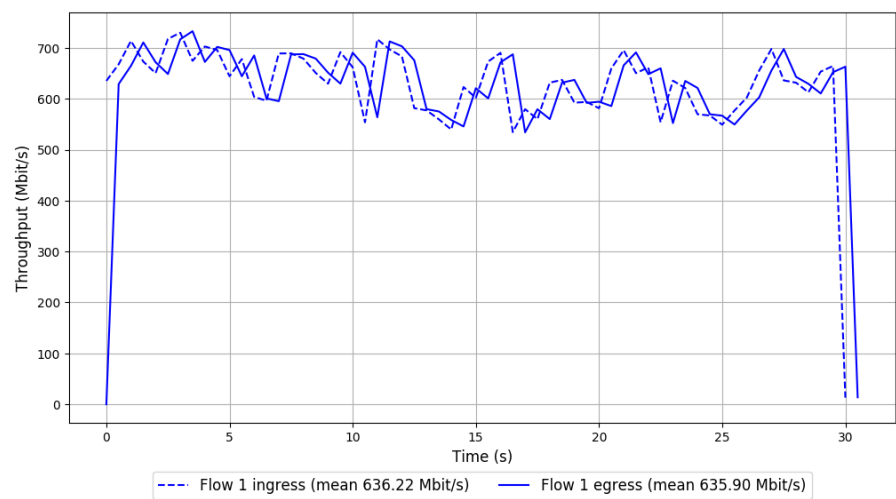
-- Flow 1:

Average throughput: 635.90 Mbit/s

95th percentile per-packet one-way delay: 16.788 ms

Loss rate: 0.05%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2019-01-24 15:38:15

End at: 2019-01-24 15:38:45

Local clock offset: -0.968 ms

Remote clock offset: 2.205 ms

Below is generated by plot.py at 2019-01-24 17:29:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 594.71 Mbit/s

95th percentile per-packet one-way delay: 18.354 ms

Loss rate: 0.06%

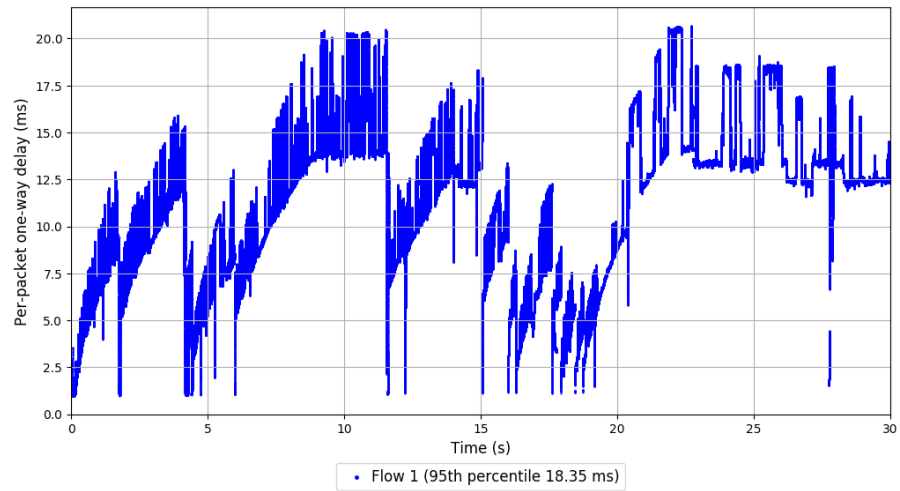
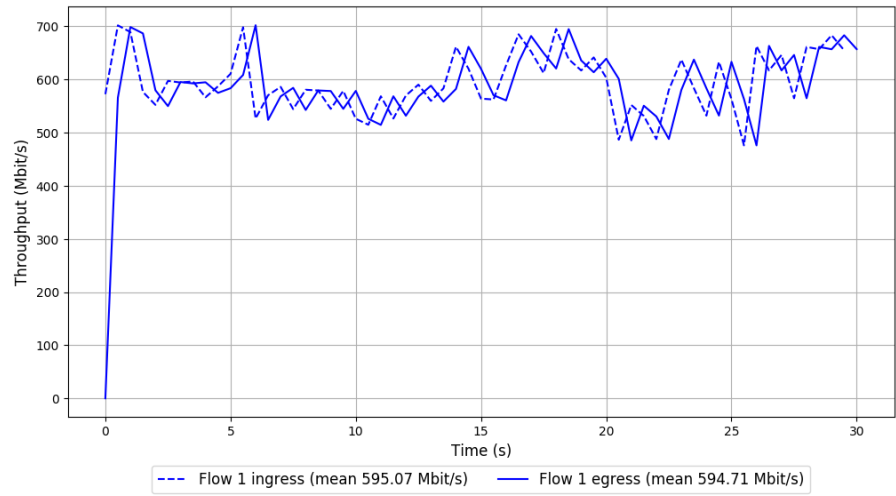
-- Flow 1:

Average throughput: 594.71 Mbit/s

95th percentile per-packet one-way delay: 18.354 ms

Loss rate: 0.06%

Run 3: Report of LEDBAT — Data Link

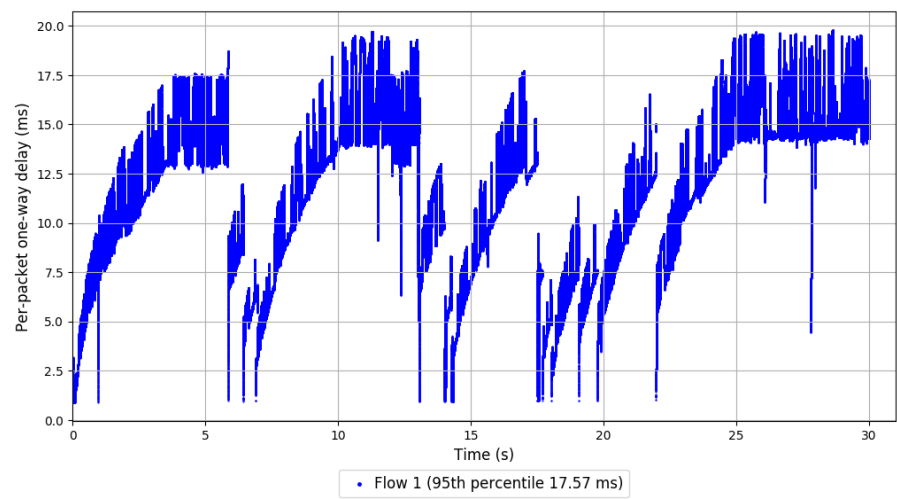
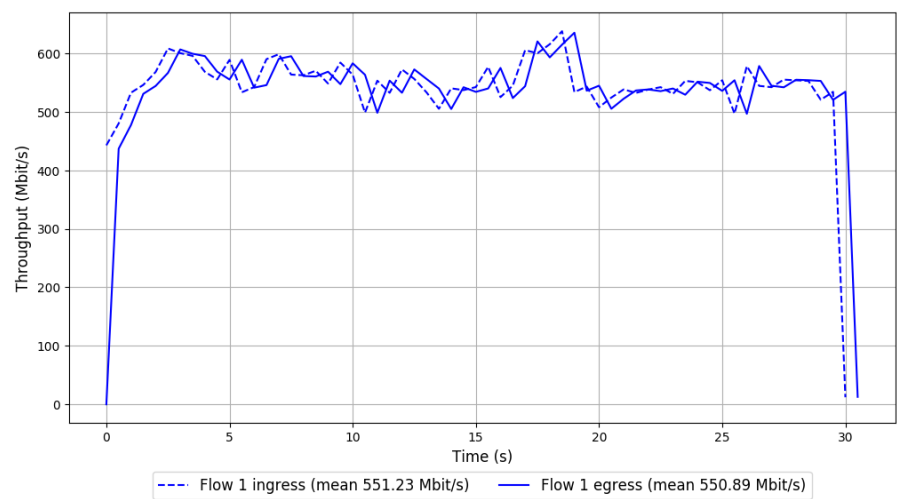


Run 4: Statistics of LEDBAT

Start at: 2019-01-24 16:07:06
End at: 2019-01-24 16:07:36
Local clock offset: 2.597 ms
Remote clock offset: -0.574 ms

Below is generated by plot.py at 2019-01-24 17:29:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 550.89 Mbit/s
95th percentile per-packet one-way delay: 17.570 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 550.89 Mbit/s
95th percentile per-packet one-way delay: 17.570 ms
Loss rate: 0.06%

Run 4: Report of LEDBAT — Data Link

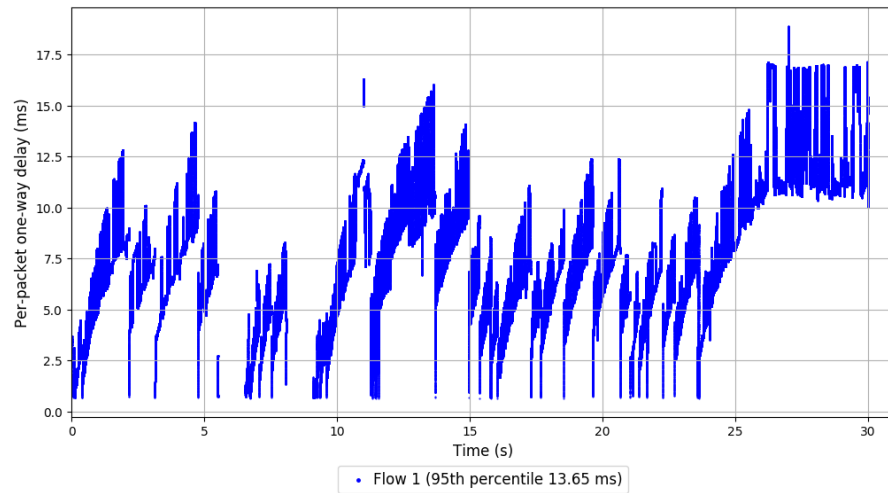
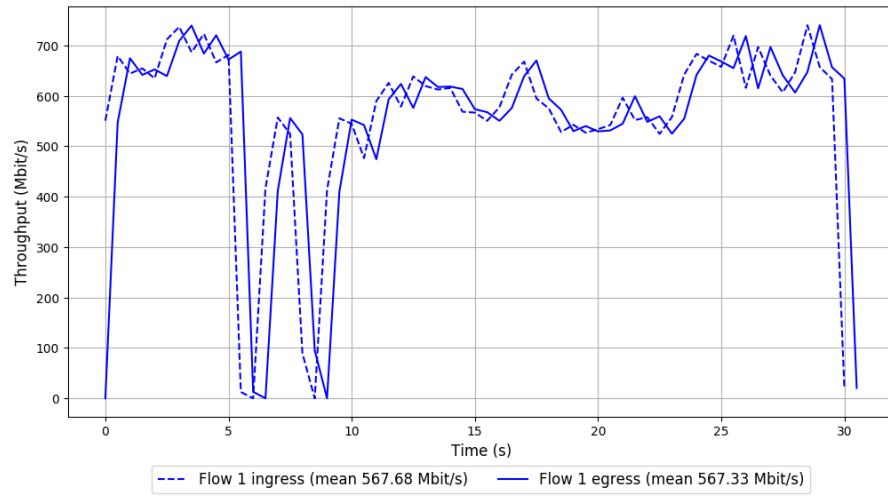


Run 5: Statistics of LEDBAT

Start at: 2019-01-24 16:35:38
End at: 2019-01-24 16:36:08
Local clock offset: 4.218 ms
Remote clock offset: -0.202 ms

Below is generated by plot.py at 2019-01-24 17:29:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 567.33 Mbit/s
95th percentile per-packet one-way delay: 13.651 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 567.33 Mbit/s
95th percentile per-packet one-way delay: 13.651 ms
Loss rate: 0.06%

Run 5: Report of LEDBAT — Data Link

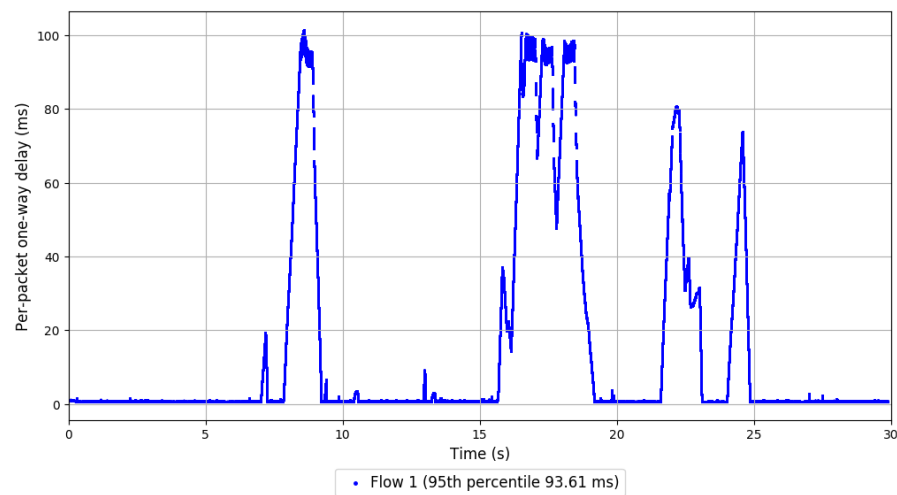
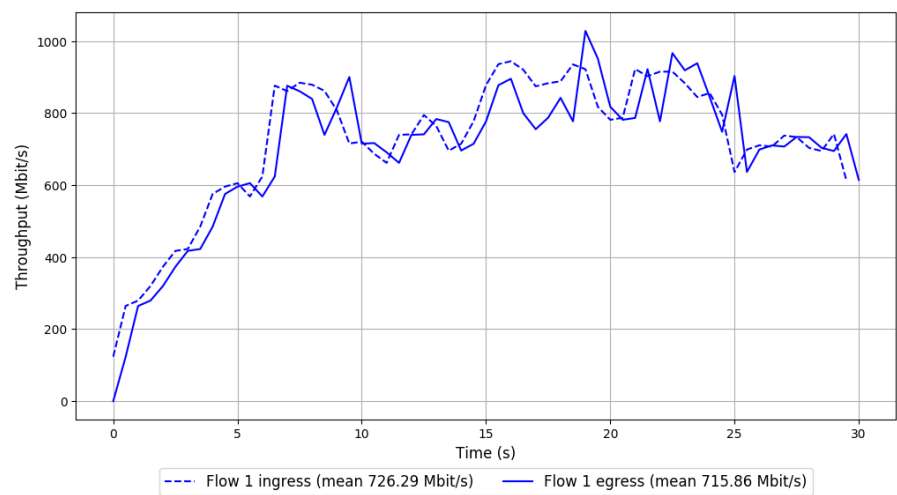


```
Run 1: Statistics of PCC-Allegro

Start at: 2019-01-24 14:26:56
End at: 2019-01-24 14:27:26
Local clock offset: 5.593 ms
Remote clock offset: 1.558 ms

# Below is generated by plot.py at 2019-01-24 17:31:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 715.86 Mbit/s
95th percentile per-packet one-way delay: 93.615 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 715.86 Mbit/s
95th percentile per-packet one-way delay: 93.615 ms
Loss rate: 1.44%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-01-24 14:55:55

End at: 2019-01-24 14:56:25

Local clock offset: 0.681 ms

Remote clock offset: 4.603 ms

Below is generated by plot.py at 2019-01-24 17:31:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 473.92 Mbit/s

95th percentile per-packet one-way delay: 2.834 ms

Loss rate: 0.00%

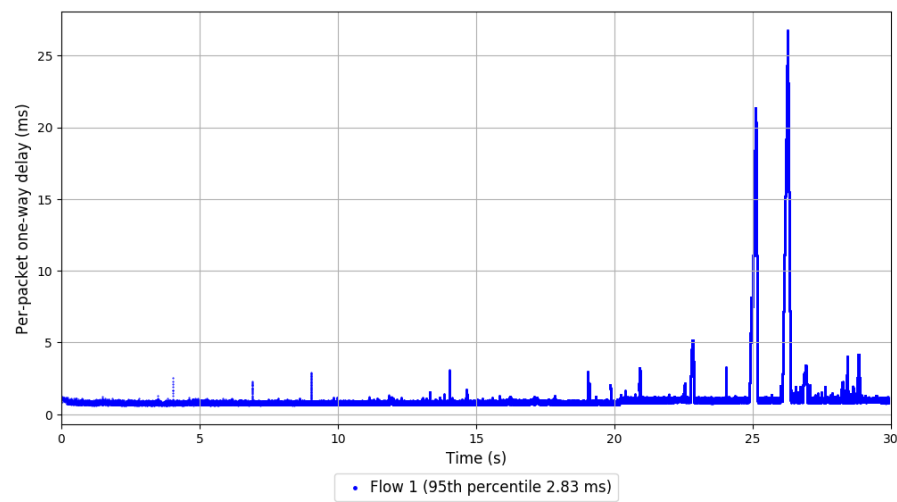
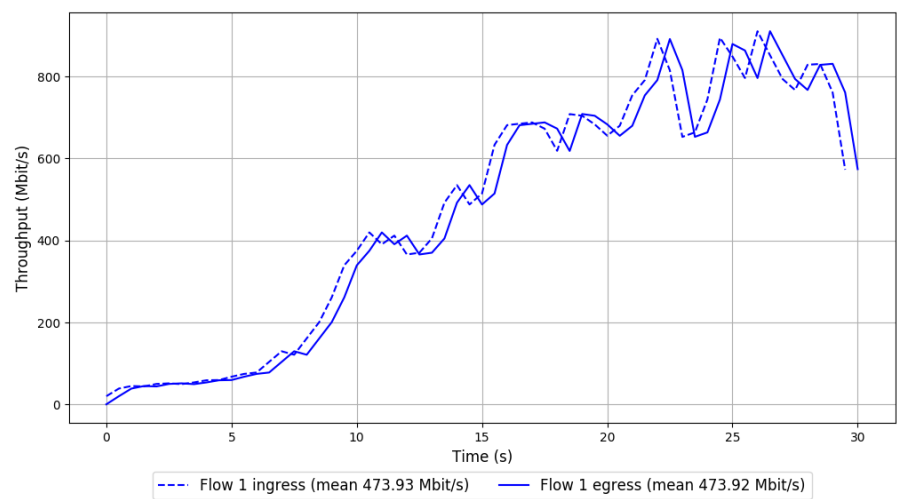
-- Flow 1:

Average throughput: 473.92 Mbit/s

95th percentile per-packet one-way delay: 2.834 ms

Loss rate: 0.00%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-01-24 15:24:50

End at: 2019-01-24 15:25:20

Local clock offset: -3.485 ms

Remote clock offset: 3.708 ms

Below is generated by plot.py at 2019-01-24 17:31:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 763.71 Mbit/s

95th percentile per-packet one-way delay: 26.037 ms

Loss rate: 0.02%

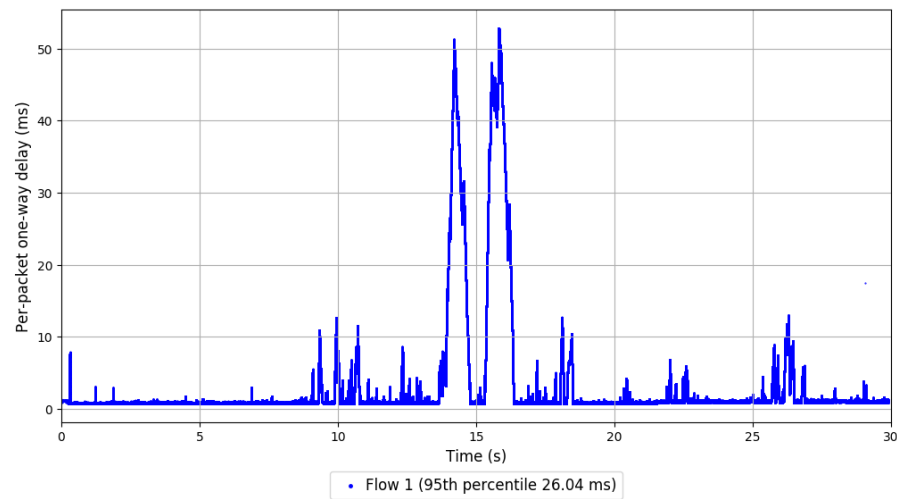
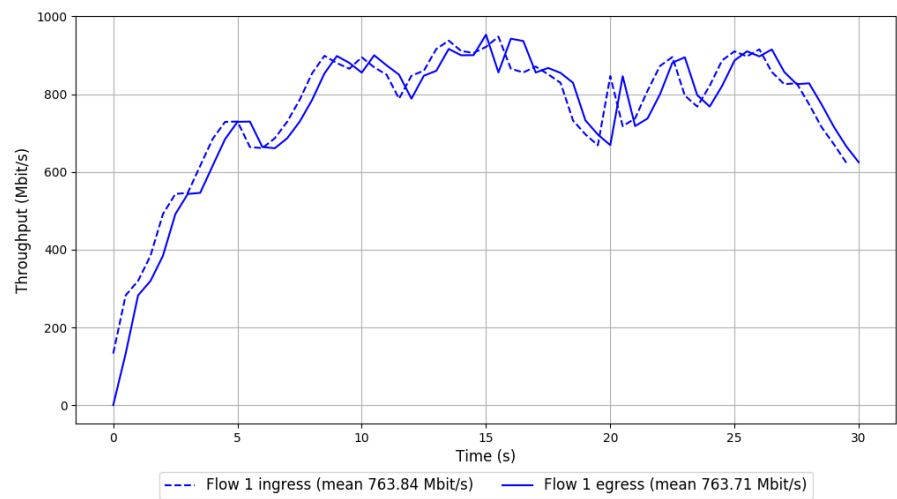
-- Flow 1:

Average throughput: 763.71 Mbit/s

95th percentile per-packet one-way delay: 26.037 ms

Loss rate: 0.02%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-01-24 15:53:50

End at: 2019-01-24 15:54:20

Local clock offset: 0.706 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2019-01-24 17:36:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 777.36 Mbit/s

95th percentile per-packet one-way delay: 2.431 ms

Loss rate: 0.02%

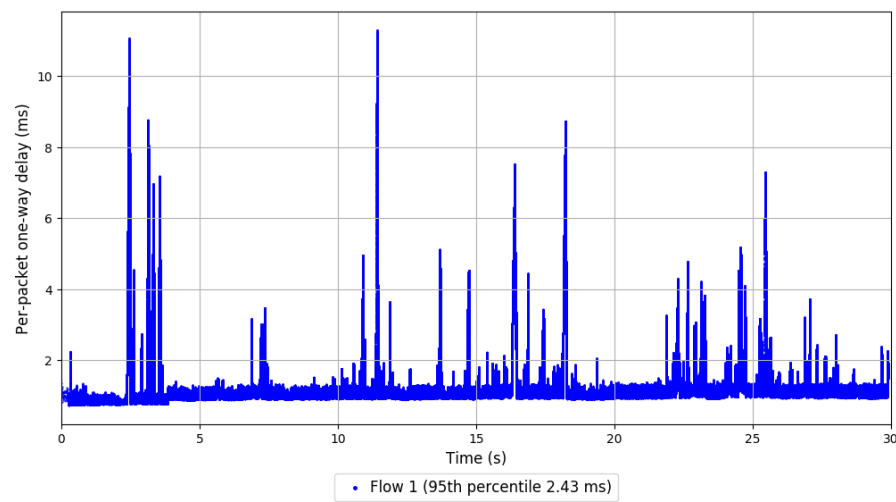
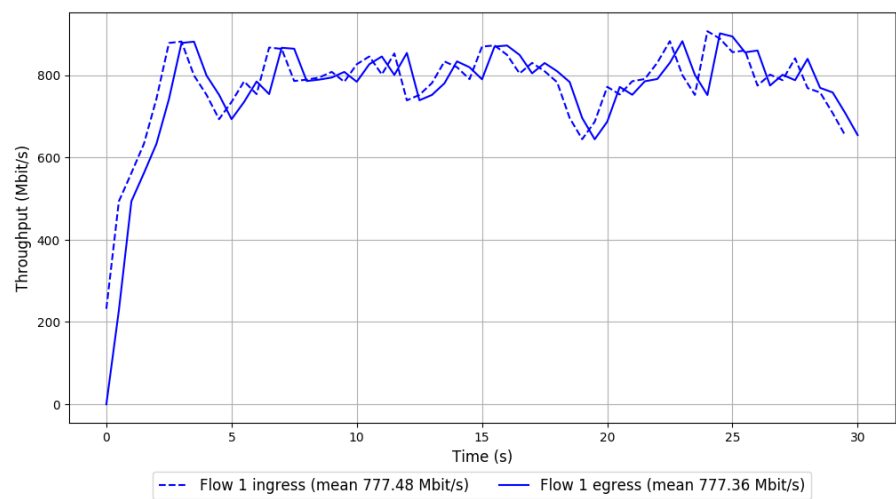
-- Flow 1:

Average throughput: 777.36 Mbit/s

95th percentile per-packet one-way delay: 2.431 ms

Loss rate: 0.02%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-01-24 16:22:39

End at: 2019-01-24 16:23:09

Local clock offset: 4.31 ms

Remote clock offset: -0.052 ms

Below is generated by plot.py at 2019-01-24 17:36:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.73 Mbit/s

95th percentile per-packet one-way delay: 1.057 ms

Loss rate: 0.00%

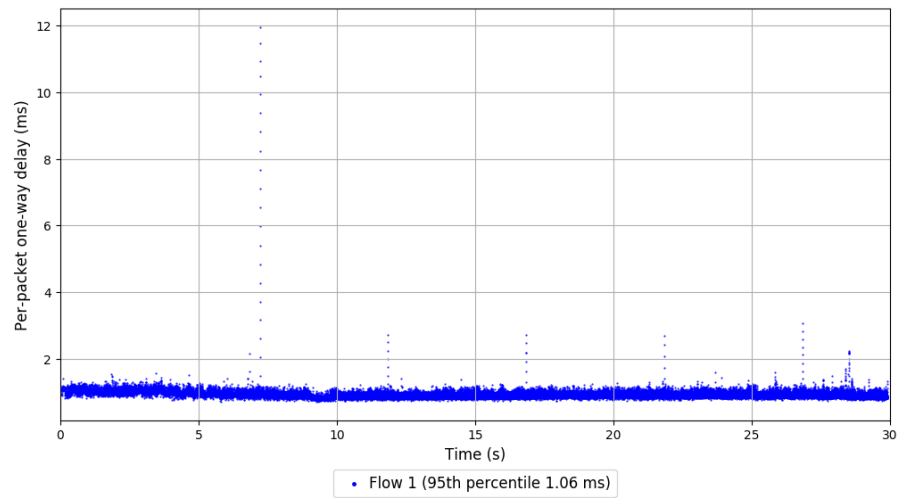
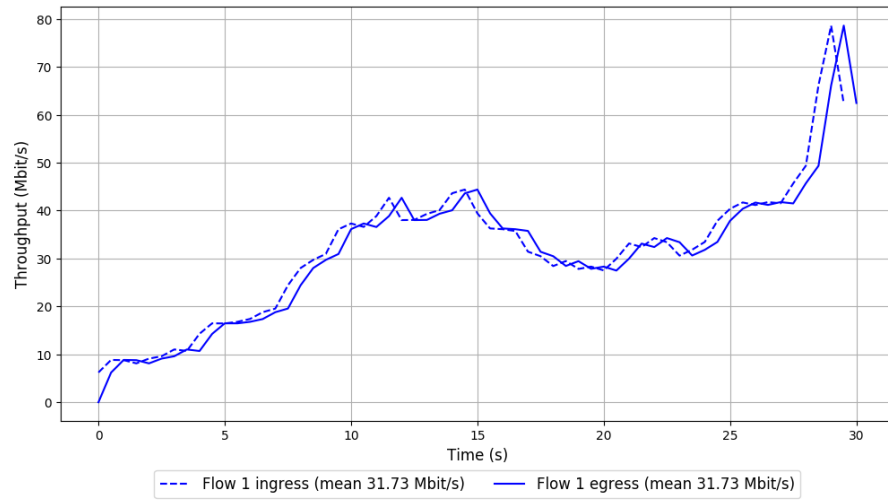
-- Flow 1:

Average throughput: 31.73 Mbit/s

95th percentile per-packet one-way delay: 1.057 ms

Loss rate: 0.00%

Run 5: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

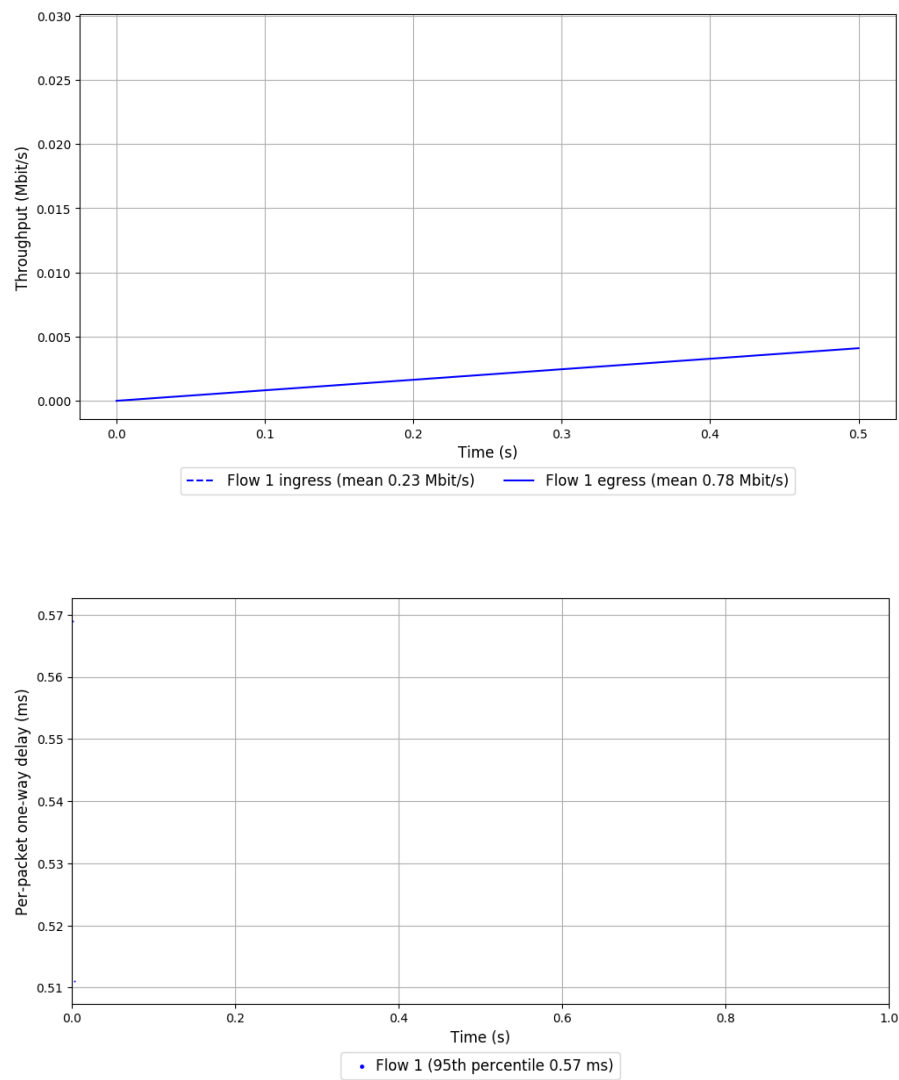
Start at: 2019-01-24 14:31:00

End at: 2019-01-24 14:31:30

Local clock offset: 5.277 ms

Remote clock offset: 2.319 ms

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

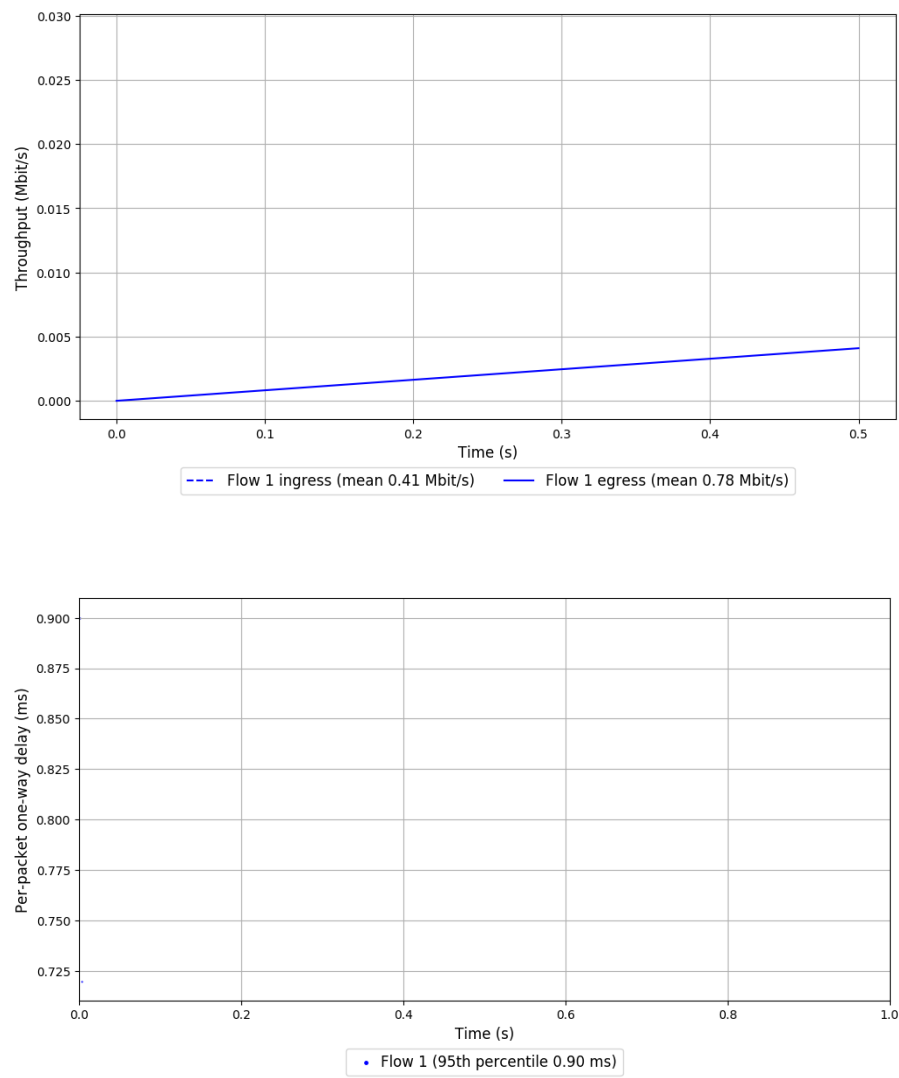
Start at: 2019-01-24 14:59:59

End at: 2019-01-24 15:00:29

Local clock offset: 0.607 ms

Remote clock offset: 4.727 ms

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

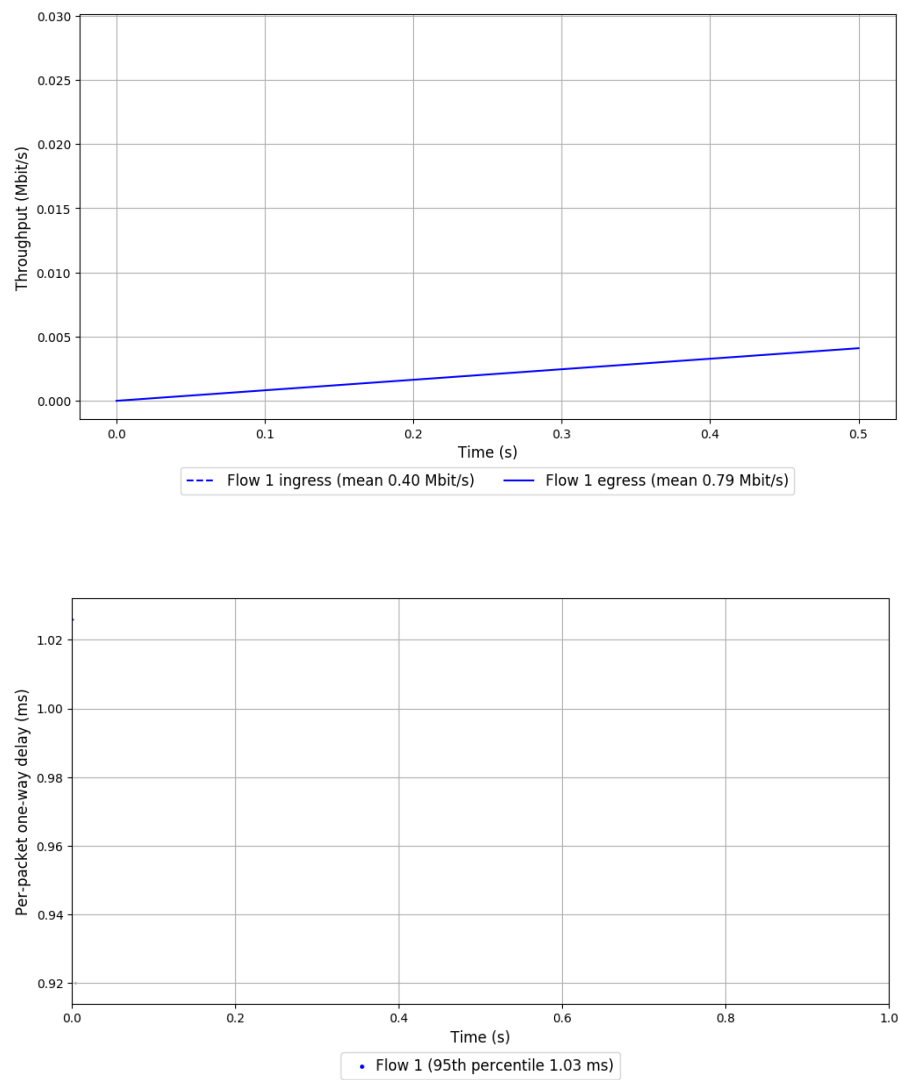
Start at: 2019-01-24 15:29:00

End at: 2019-01-24 15:29:30

Local clock offset: -3.701 ms

Remote clock offset: 3.682 ms

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

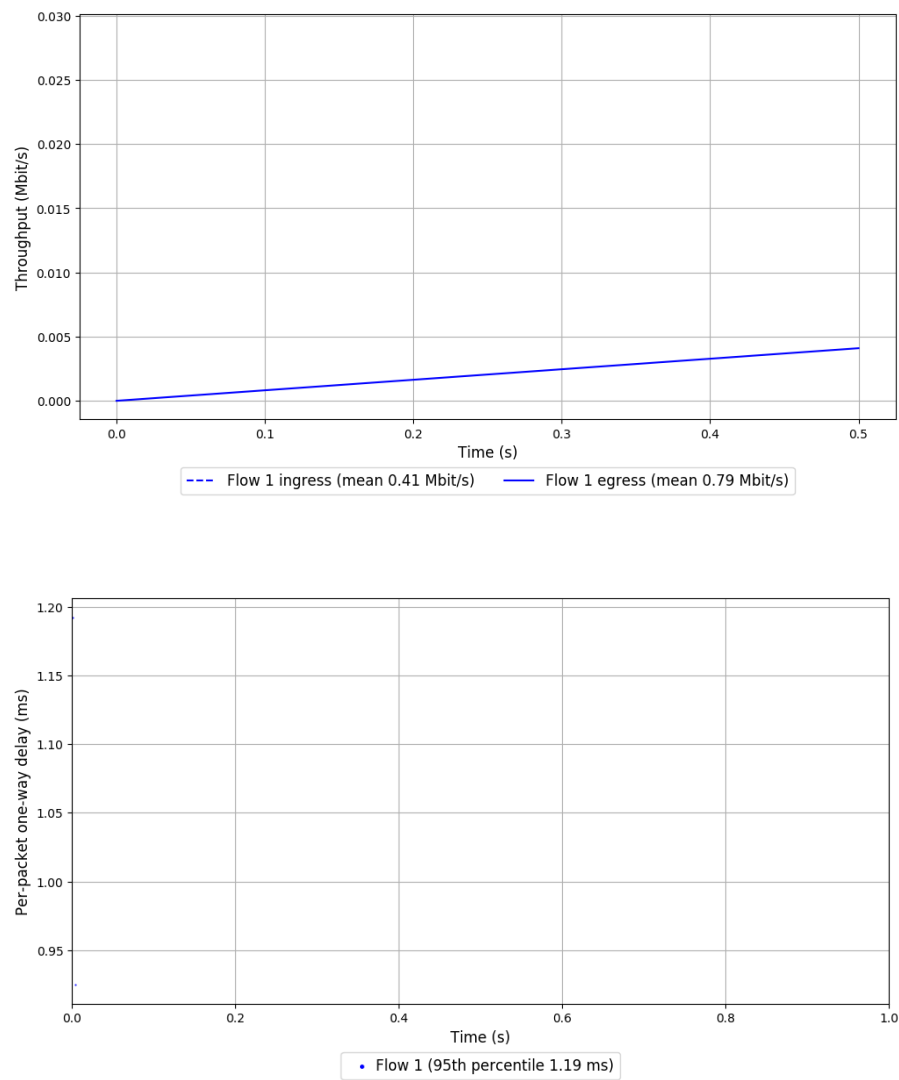
Start at: 2019-01-24 15:57:54

End at: 2019-01-24 15:58:24

Local clock offset: 0.875 ms

Remote clock offset: -0.201 ms

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

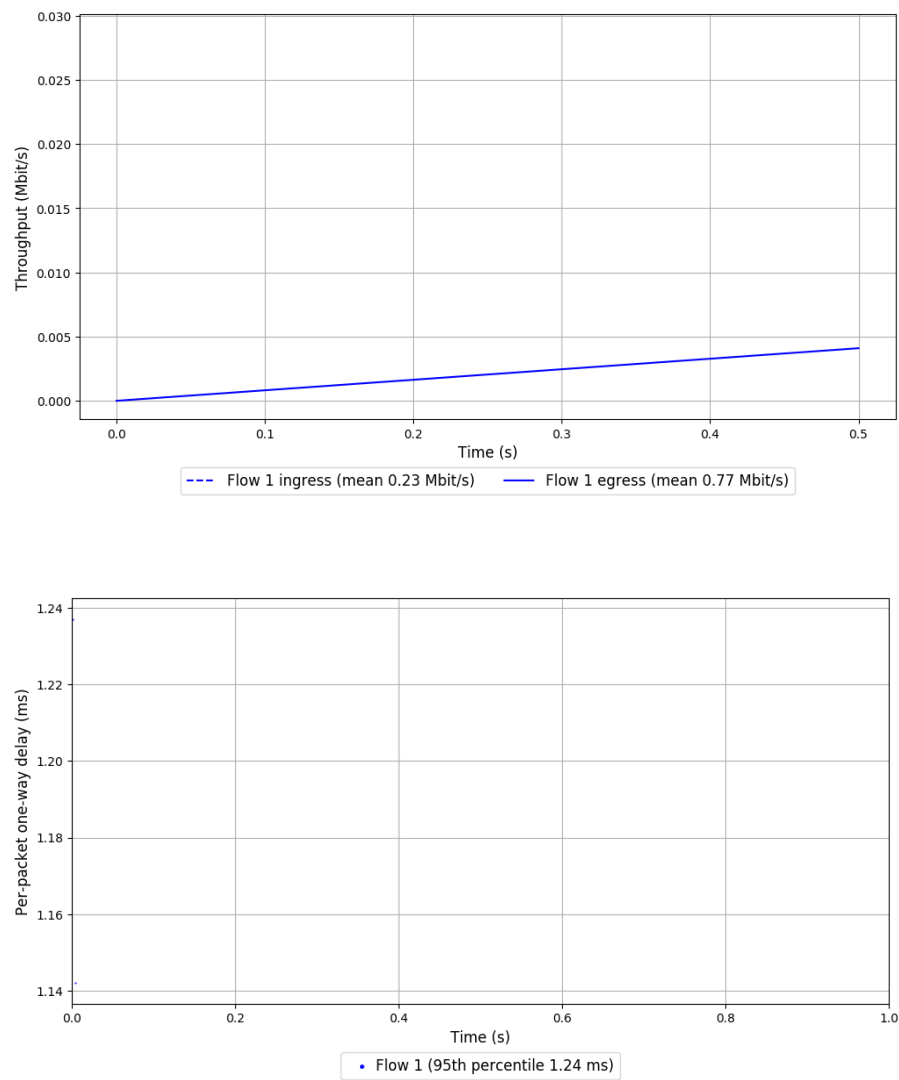
Start at: 2019-01-24 16:26:27

End at: 2019-01-24 16:26:57

Local clock offset: 4.57 ms

Remote clock offset: 0.015 ms

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-01-24 14:47:15

End at: 2019-01-24 14:47:45

Local clock offset: 1.079 ms

Remote clock offset: 4.0 ms

Below is generated by plot.py at 2019-01-24 17:36:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.63 Mbit/s

95th percentile per-packet one-way delay: 0.732 ms

Loss rate: 0.00%

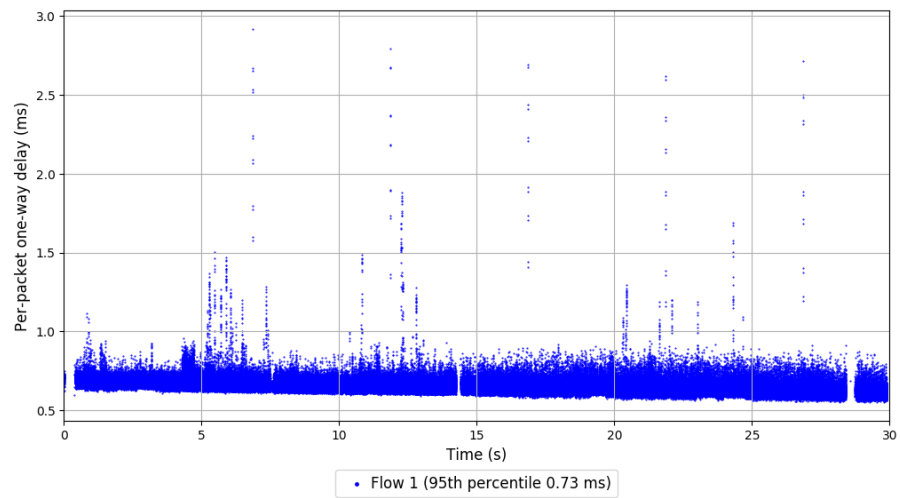
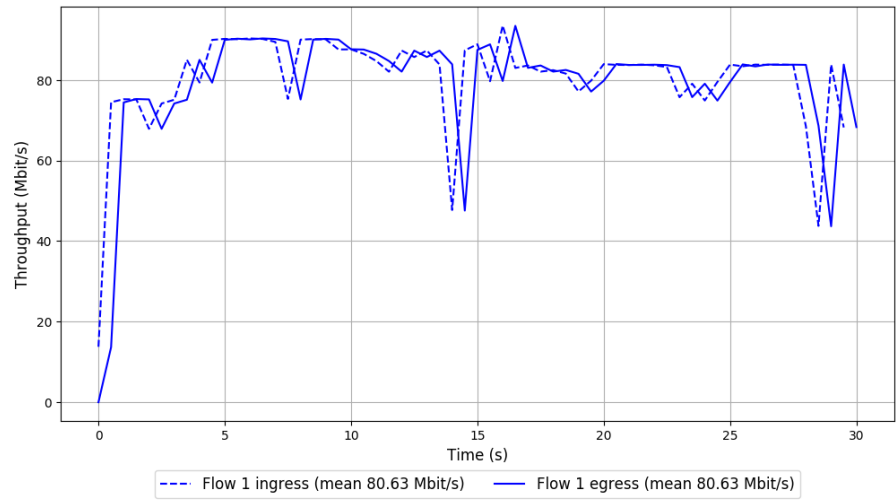
-- Flow 1:

Average throughput: 80.63 Mbit/s

95th percentile per-packet one-way delay: 0.732 ms

Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-01-24 15:16:11

End at: 2019-01-24 15:16:41

Local clock offset: -2.812 ms

Remote clock offset: 3.611 ms

Below is generated by plot.py at 2019-01-24 17:36:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.75 Mbit/s

95th percentile per-packet one-way delay: 0.799 ms

Loss rate: 0.00%

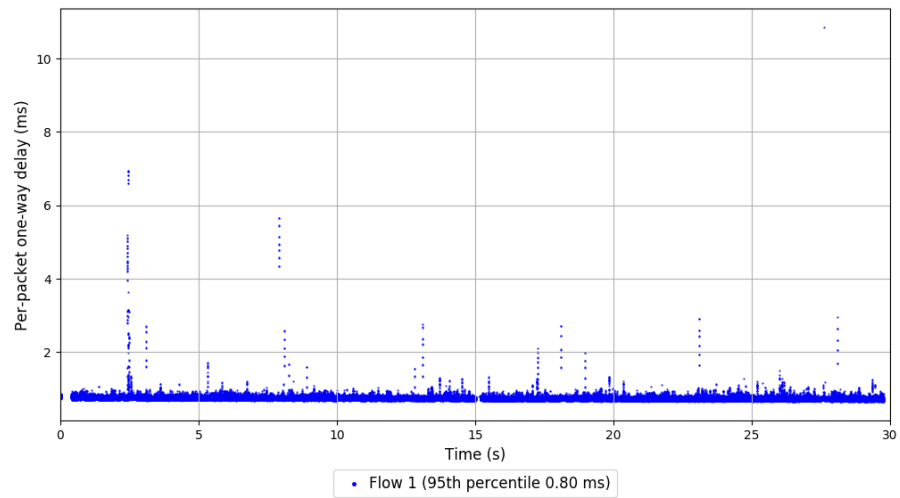
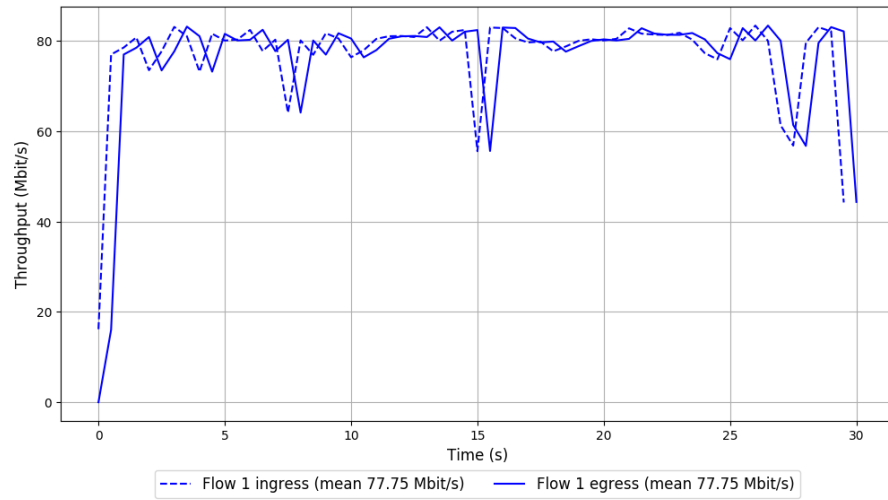
-- Flow 1:

Average throughput: 77.75 Mbit/s

95th percentile per-packet one-way delay: 0.799 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-01-24 15:45:11

End at: 2019-01-24 15:45:41

Local clock offset: 0.054 ms

Remote clock offset: 0.787 ms

Below is generated by plot.py at 2019-01-24 17:36:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.78 Mbit/s

95th percentile per-packet one-way delay: 1.001 ms

Loss rate: 0.00%

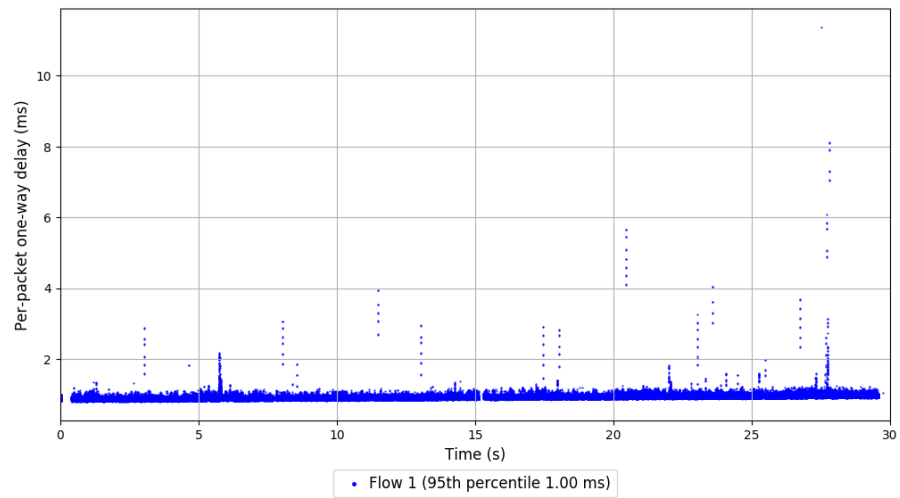
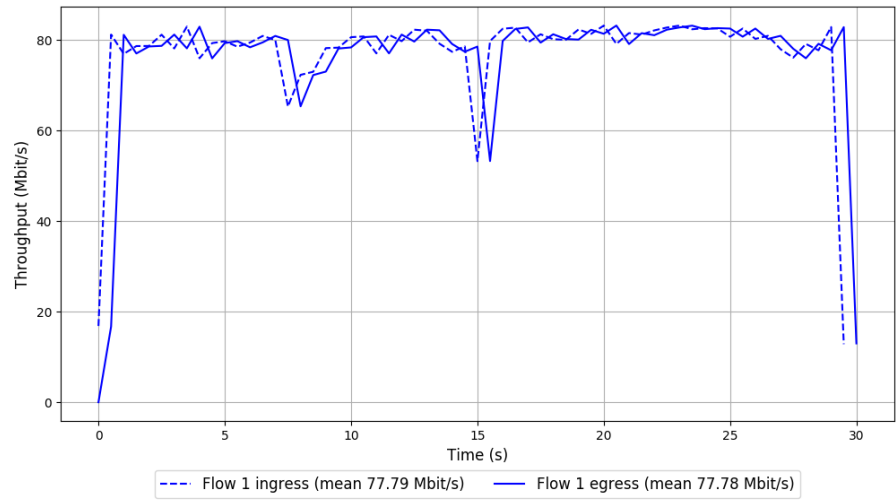
-- Flow 1:

Average throughput: 77.78 Mbit/s

95th percentile per-packet one-way delay: 1.001 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-01-24 16:13:59

End at: 2019-01-24 16:14:30

Local clock offset: 3.537 ms

Remote clock offset: -0.253 ms

Below is generated by plot.py at 2019-01-24 17:36:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.65 Mbit/s

95th percentile per-packet one-way delay: 0.968 ms

Loss rate: 0.00%

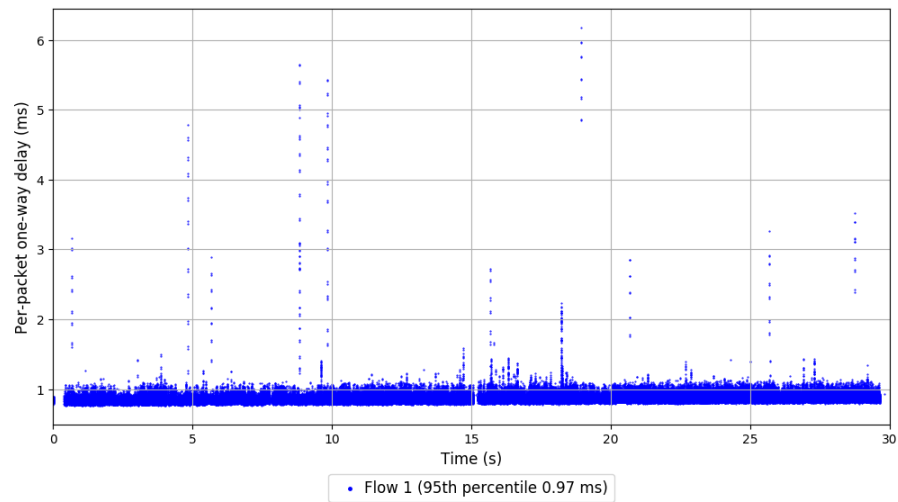
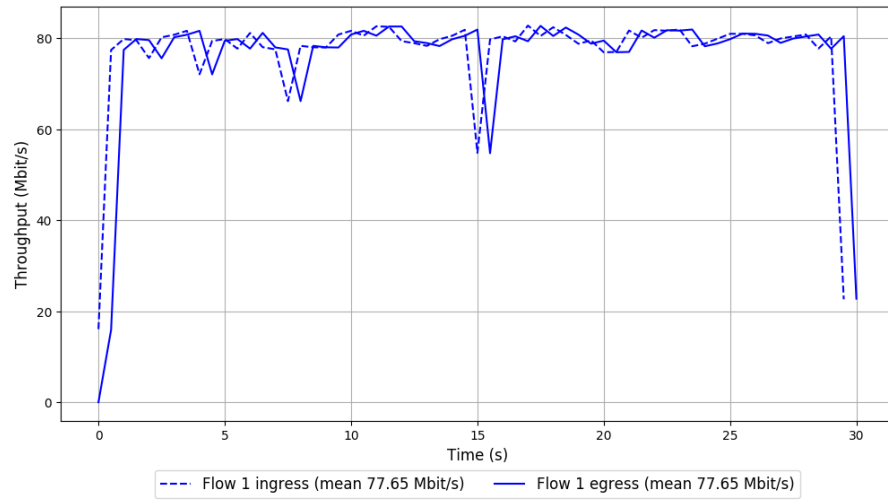
-- Flow 1:

Average throughput: 77.65 Mbit/s

95th percentile per-packet one-way delay: 0.968 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-01-24 16:42:34

End at: 2019-01-24 16:43:04

Local clock offset: 3.998 ms

Remote clock offset: -0.103 ms

Below is generated by plot.py at 2019-01-24 17:36:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.87 Mbit/s

95th percentile per-packet one-way delay: 0.934 ms

Loss rate: 0.00%

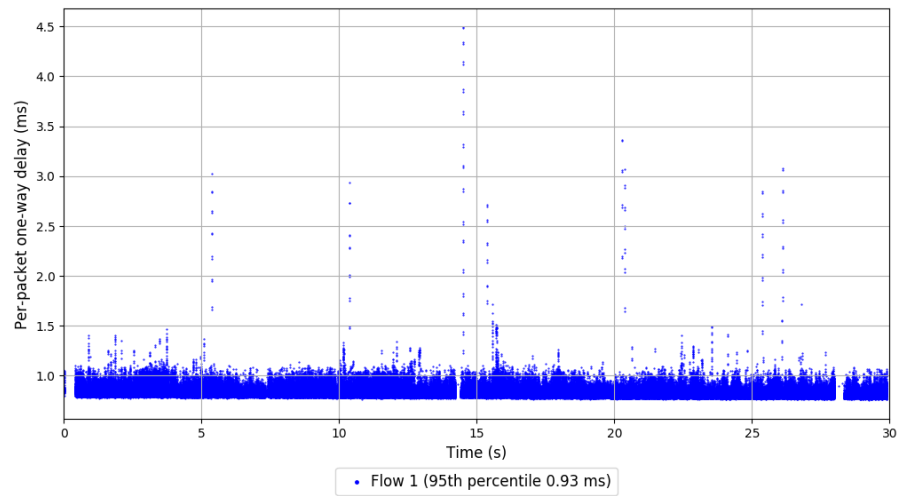
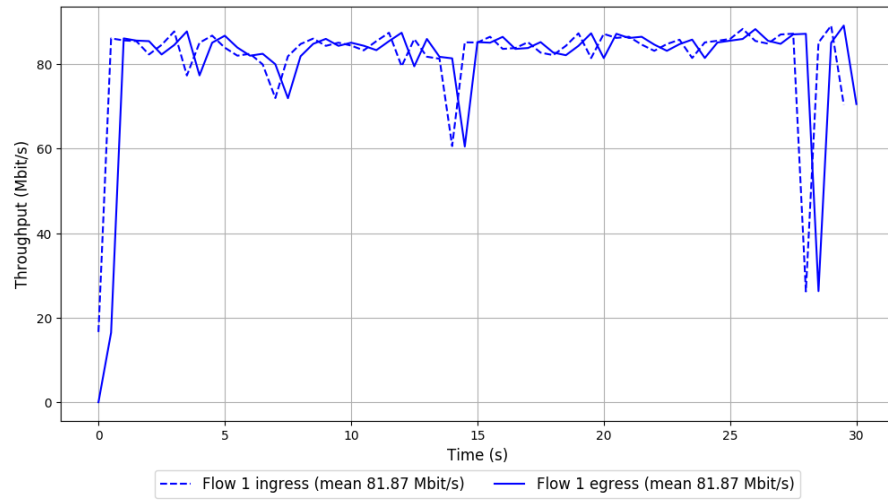
-- Flow 1:

Average throughput: 81.87 Mbit/s

95th percentile per-packet one-way delay: 0.934 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

Start at: 2019-01-24 14:22:43

End at: 2019-01-24 14:23:13

Local clock offset: 5.205 ms

Remote clock offset: 1.219 ms

Below is generated by plot.py at 2019-01-24 17:36:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.295 ms

Loss rate: 0.00%

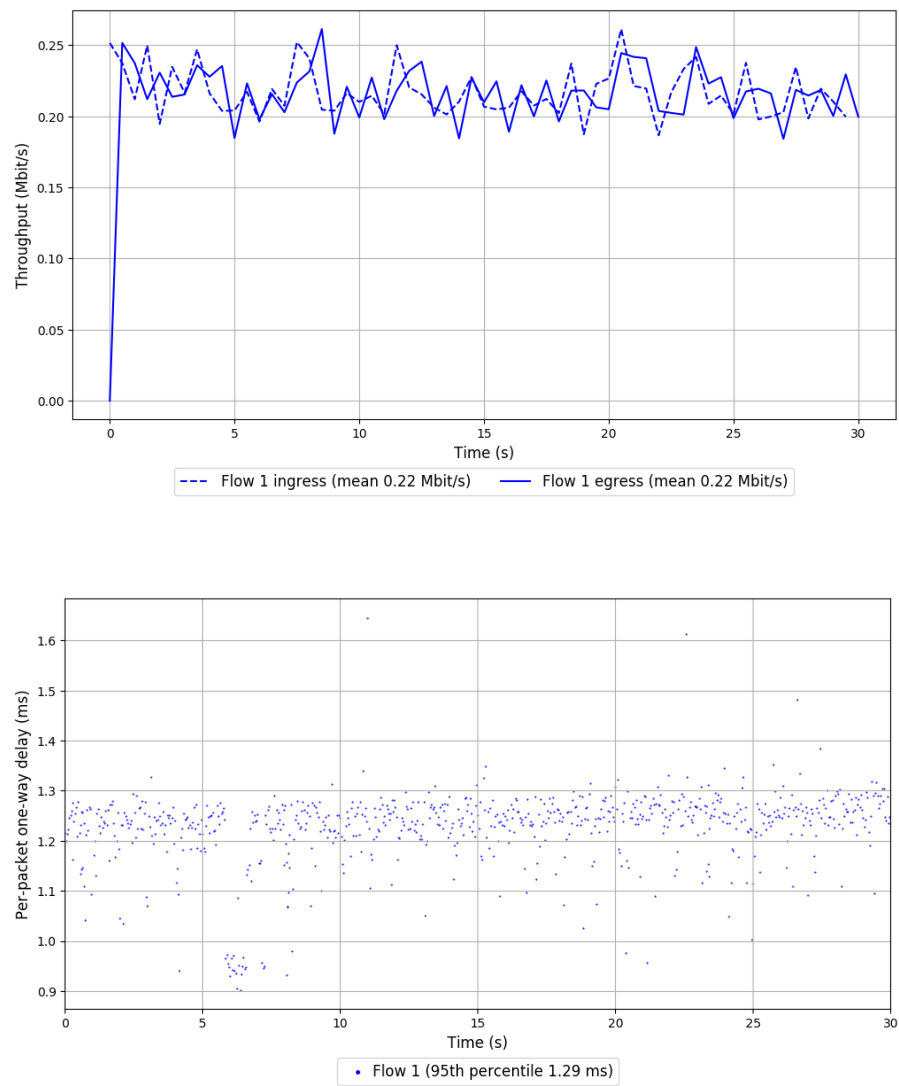
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.295 ms

Loss rate: 0.00%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2019-01-24 14:51:45

End at: 2019-01-24 14:52:15

Local clock offset: 0.801 ms

Remote clock offset: 4.354 ms

Below is generated by plot.py at 2019-01-24 17:36:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.121 ms

Loss rate: 0.00%

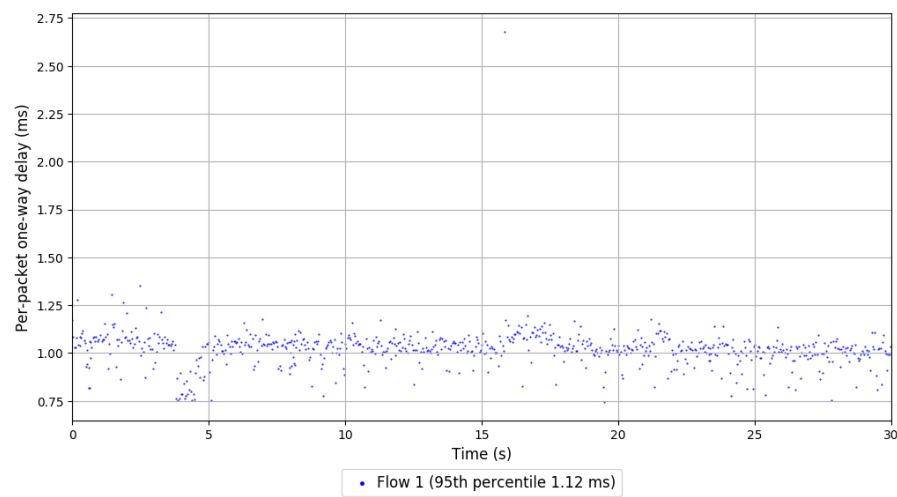
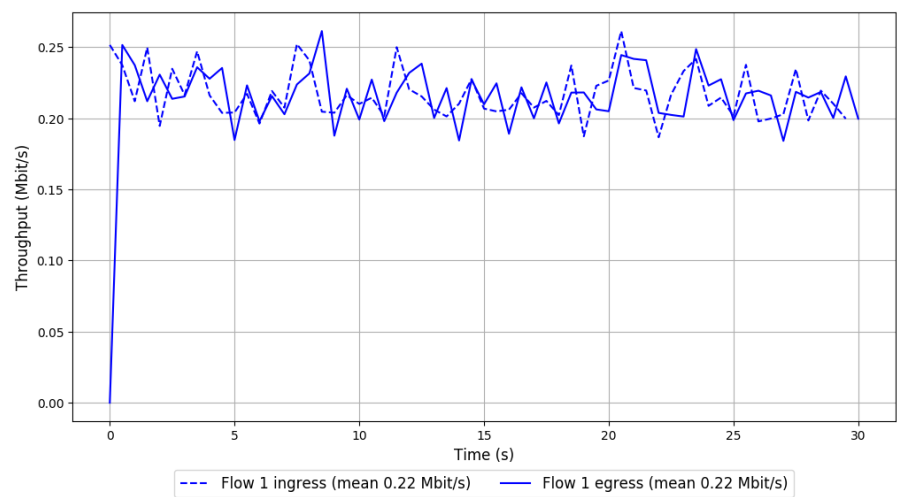
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.121 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2019-01-24 15:20:40

End at: 2019-01-24 15:21:10

Local clock offset: -3.203 ms

Remote clock offset: 3.635 ms

Below is generated by plot.py at 2019-01-24 17:36:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.180 ms

Loss rate: 0.00%

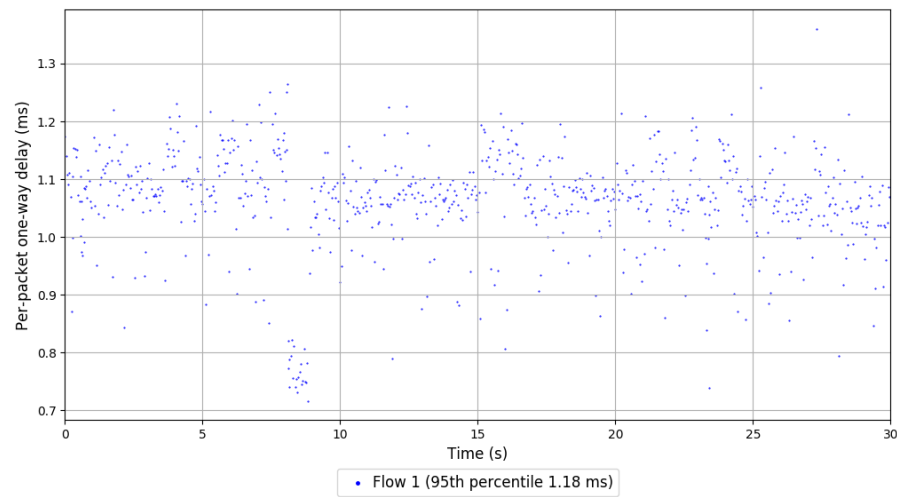
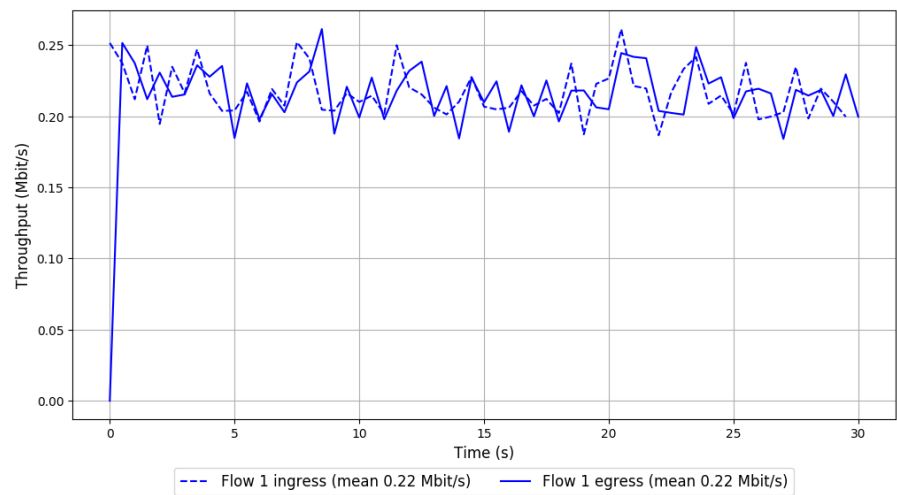
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.180 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2019-01-24 15:49:38

End at: 2019-01-24 15:50:08

Local clock offset: 0.436 ms

Remote clock offset: 0.297 ms

Below is generated by plot.py at 2019-01-24 17:36:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.290 ms

Loss rate: 0.00%

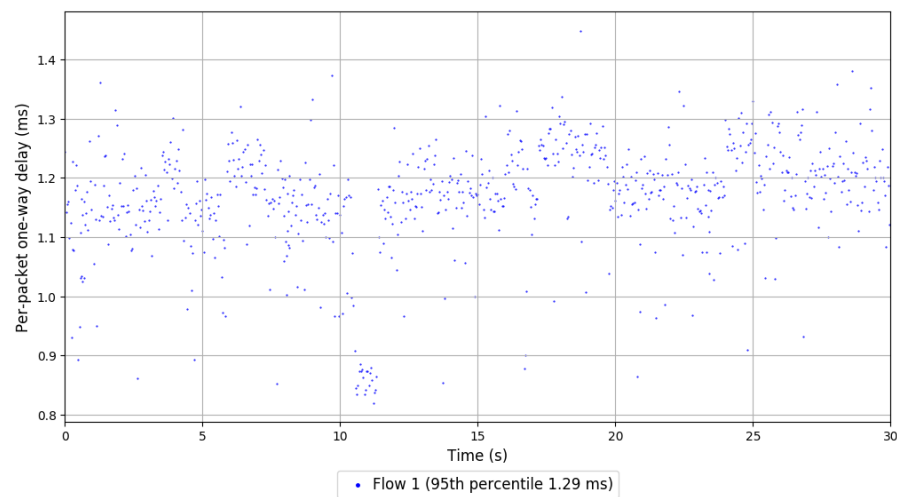
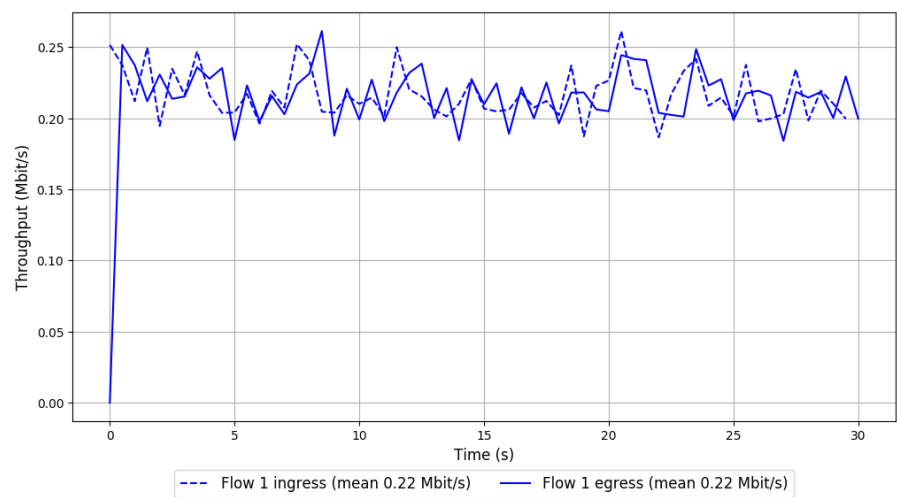
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.290 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

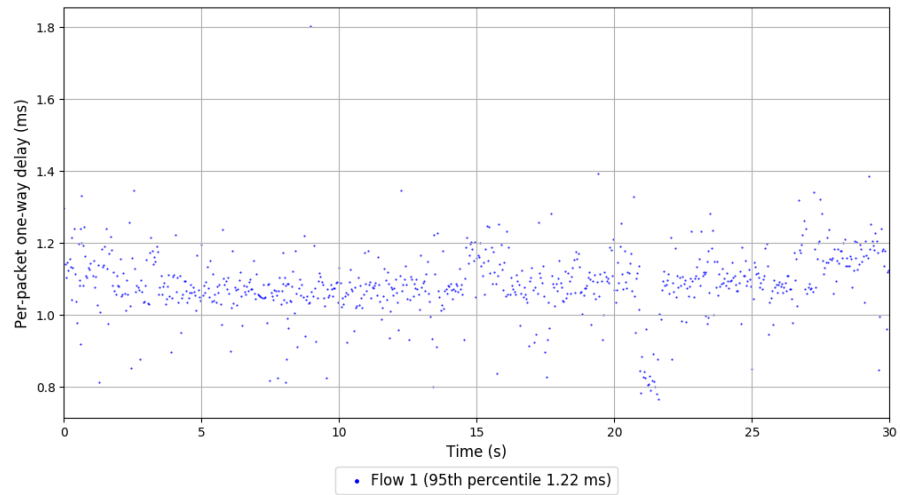
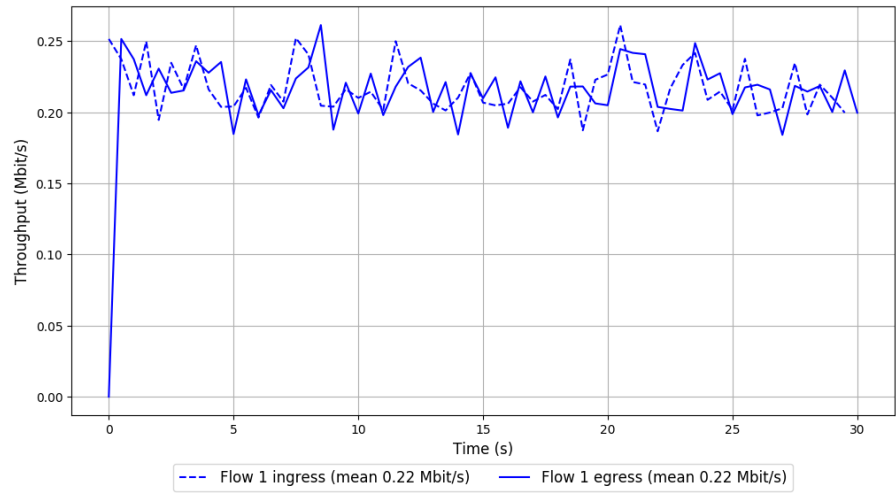


Run 5: Statistics of SCReAM

Start at: 2019-01-24 16:18:28
End at: 2019-01-24 16:18:58
Local clock offset: 3.967 ms
Remote clock offset: -0.175 ms

Below is generated by plot.py at 2019-01-24 17:36:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.221 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.221 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2019-01-24 14:33:26

End at: 2019-01-24 14:33:56

Local clock offset: 4.064 ms

Remote clock offset: 2.647 ms

Below is generated by plot.py at 2019-01-24 17:36:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.10 Mbit/s

95th percentile per-packet one-way delay: 3.697 ms

Loss rate: 0.02%

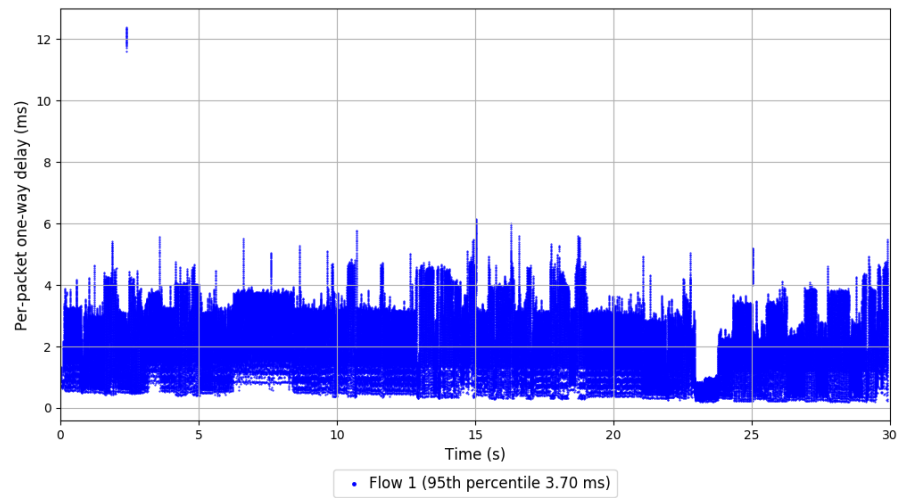
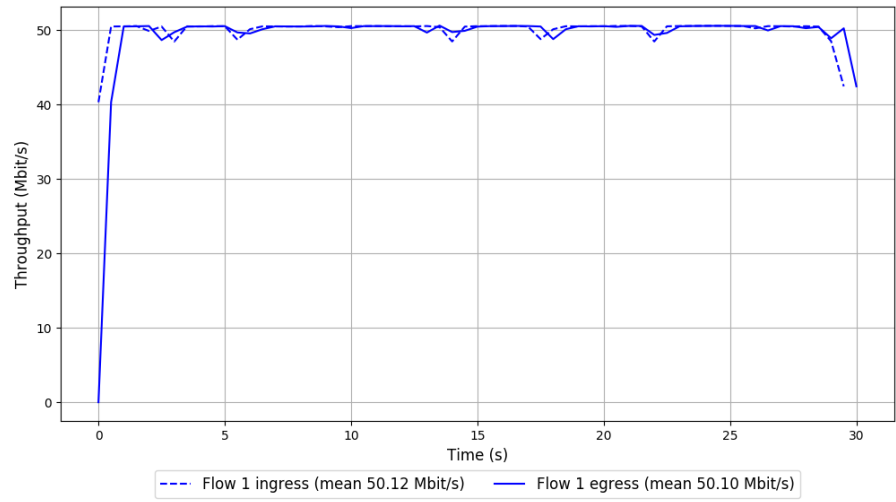
-- Flow 1:

Average throughput: 50.10 Mbit/s

95th percentile per-packet one-way delay: 3.697 ms

Loss rate: 0.02%

Run 1: Report of Sprout — Data Link

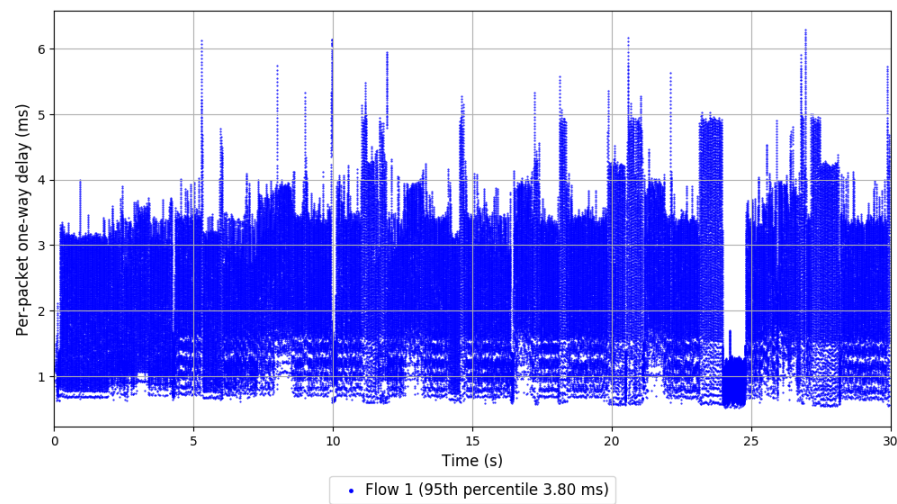
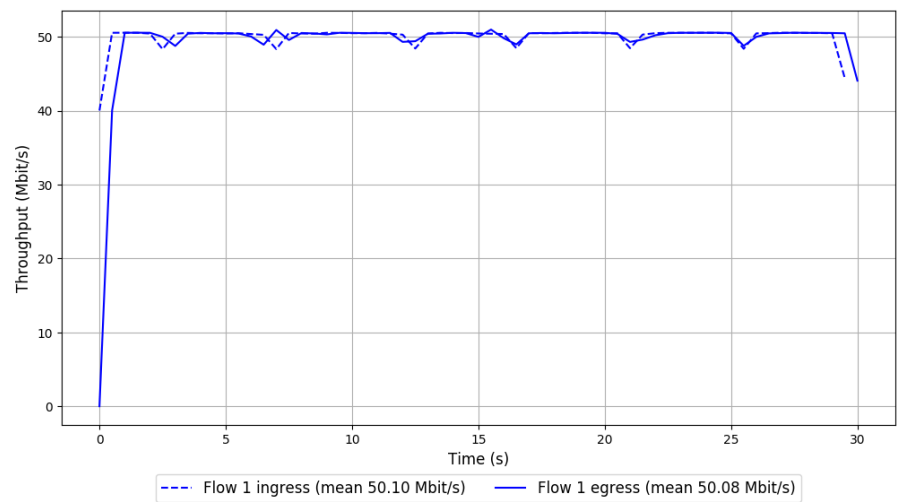


Run 2: Statistics of Sprout

Start at: 2019-01-24 15:02:25
End at: 2019-01-24 15:02:55
Local clock offset: -0.272 ms
Remote clock offset: 4.321 ms

Below is generated by plot.py at 2019-01-24 17:36:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.08 Mbit/s
95th percentile per-packet one-way delay: 3.800 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 50.08 Mbit/s
95th percentile per-packet one-way delay: 3.800 ms
Loss rate: 0.02%

Run 2: Report of Sprout — Data Link

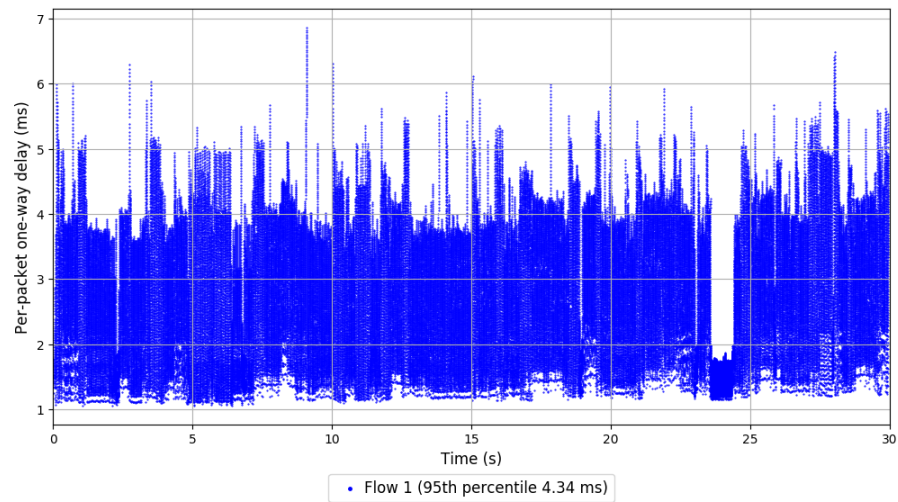
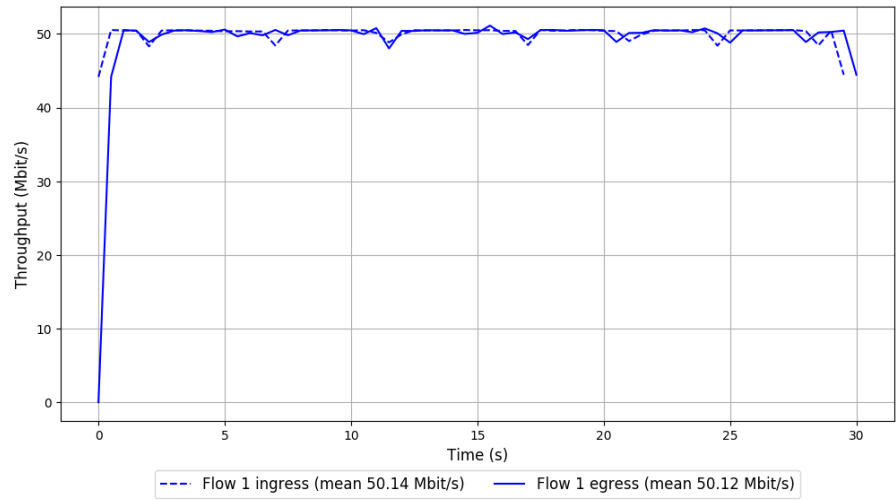


Run 3: Statistics of Sprout

Start at: 2019-01-24 15:31:25
End at: 2019-01-24 15:31:55
Local clock offset: -3.114 ms
Remote clock offset: 3.824 ms

Below is generated by plot.py at 2019-01-24 17:36:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.12 Mbit/s
95th percentile per-packet one-way delay: 4.340 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 50.12 Mbit/s
95th percentile per-packet one-way delay: 4.340 ms
Loss rate: 0.01%

Run 3: Report of Sprout — Data Link

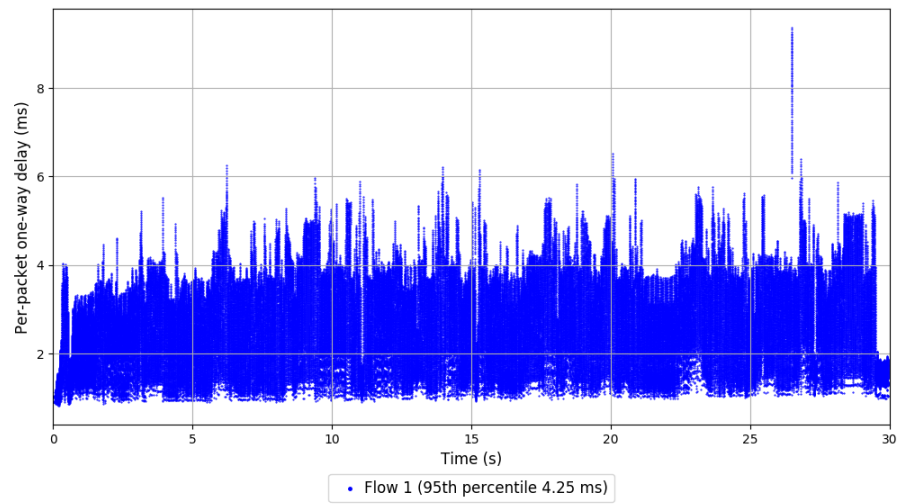
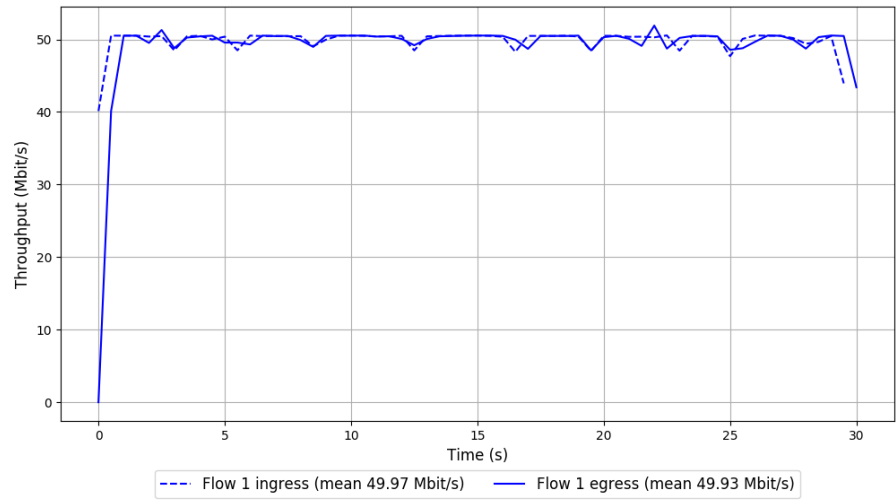


Run 4: Statistics of Sprout

Start at: 2019-01-24 16:00:19
End at: 2019-01-24 16:00:49
Local clock offset: 1.081 ms
Remote clock offset: -0.399 ms

Below is generated by plot.py at 2019-01-24 17:36:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 49.93 Mbit/s
95th percentile per-packet one-way delay: 4.250 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 49.93 Mbit/s
95th percentile per-packet one-way delay: 4.250 ms
Loss rate: 0.08%

Run 4: Report of Sprout — Data Link

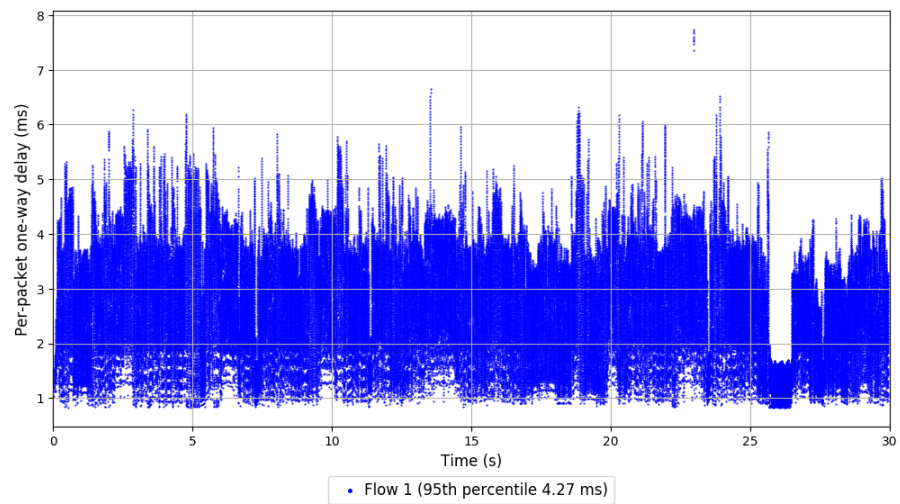
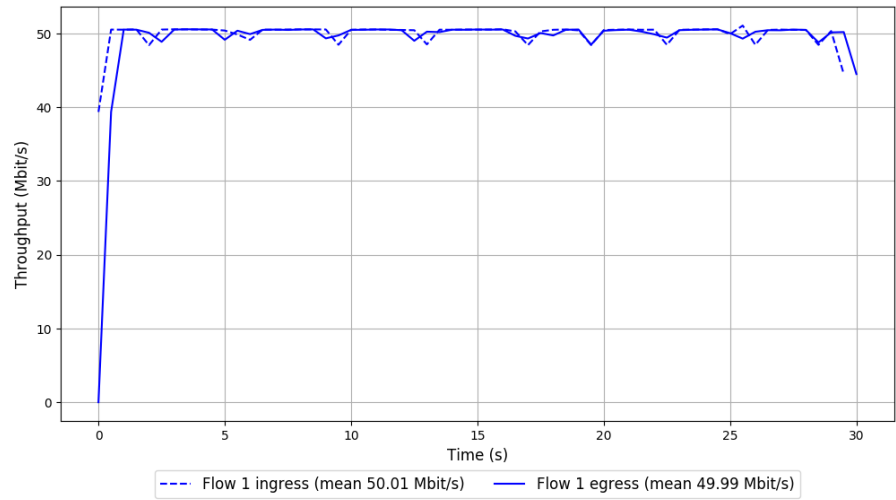


Run 5: Statistics of Sprout

Start at: 2019-01-24 16:28:53
End at: 2019-01-24 16:29:23
Local clock offset: 4.722 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2019-01-24 17:36:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 49.99 Mbit/s
95th percentile per-packet one-way delay: 4.266 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 49.99 Mbit/s
95th percentile per-packet one-way delay: 4.266 ms
Loss rate: 0.03%

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

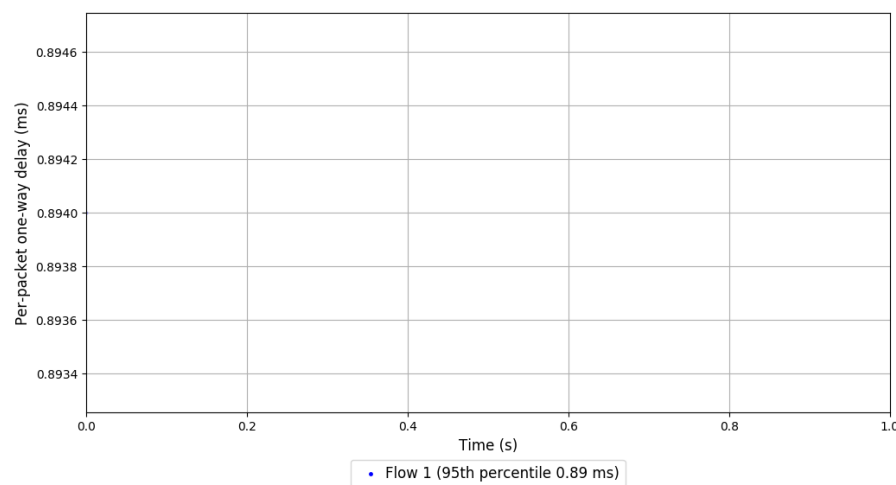
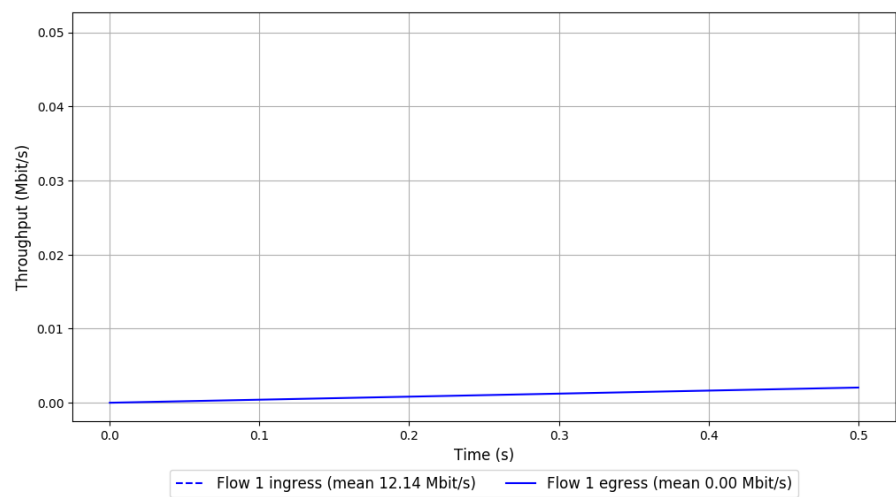
Start at: 2019-01-24 14:44:49

End at: 2019-01-24 14:45:19

Local clock offset: 1.294 ms

Remote clock offset: 3.862 ms

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



Run 2: Statistics of TaoVA-100x

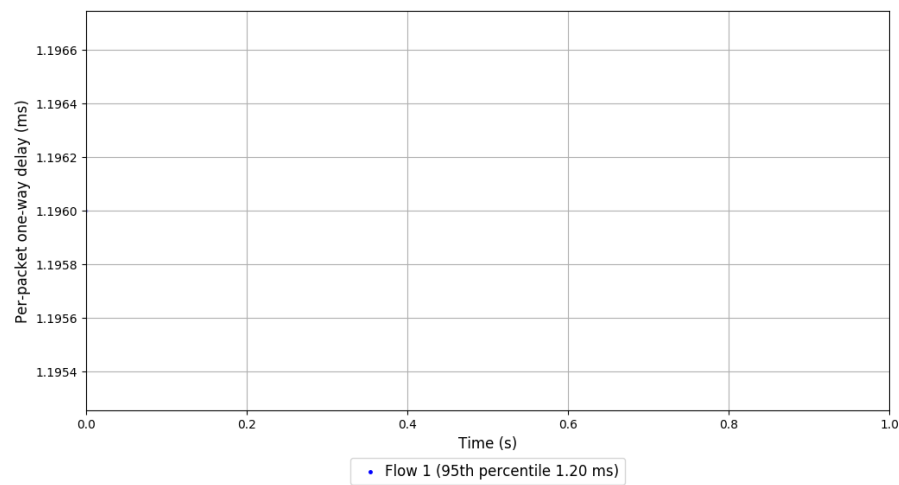
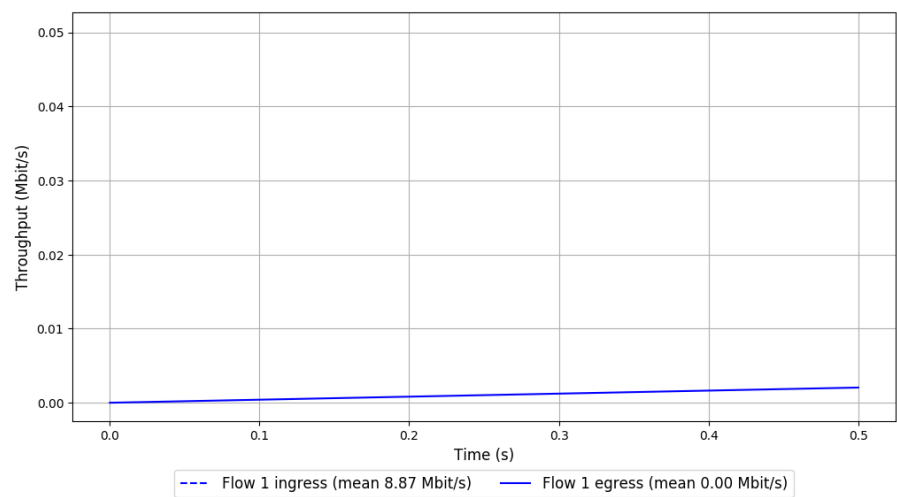
Start at: 2019-01-24 15:13:45

End at: 2019-01-24 15:14:15

Local clock offset: -2.589 ms

Remote clock offset: 3.625 ms

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



Run 3: Statistics of TaoVA-100x

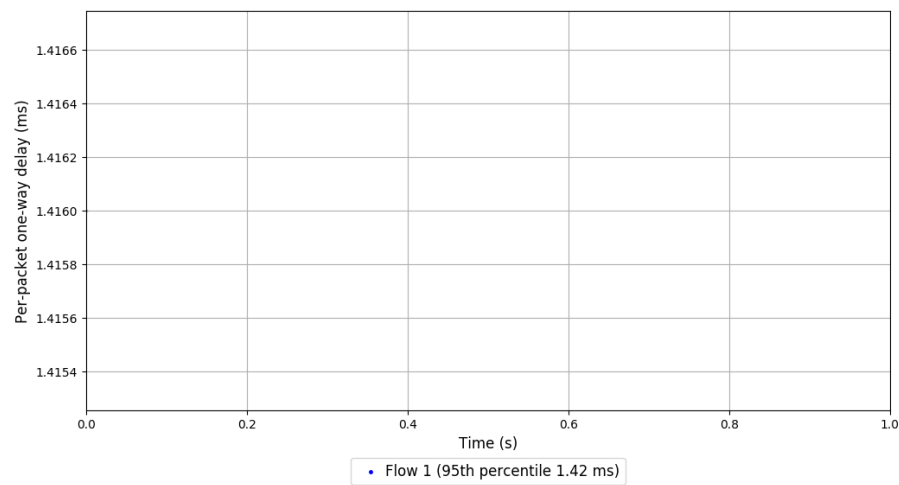
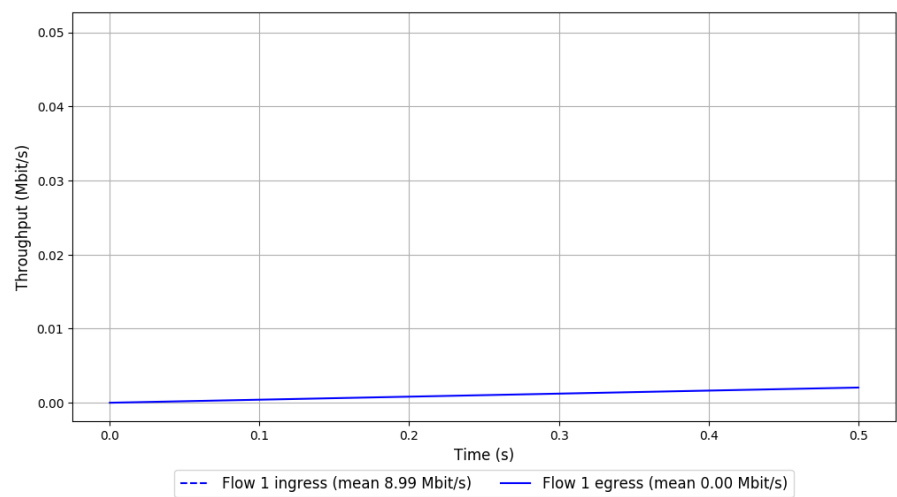
Start at: 2019-01-24 15:42:45

End at: 2019-01-24 15:43:15

Local clock offset: -0.226 ms

Remote clock offset: 1.262 ms

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



Run 4: Statistics of TaoVA-100x

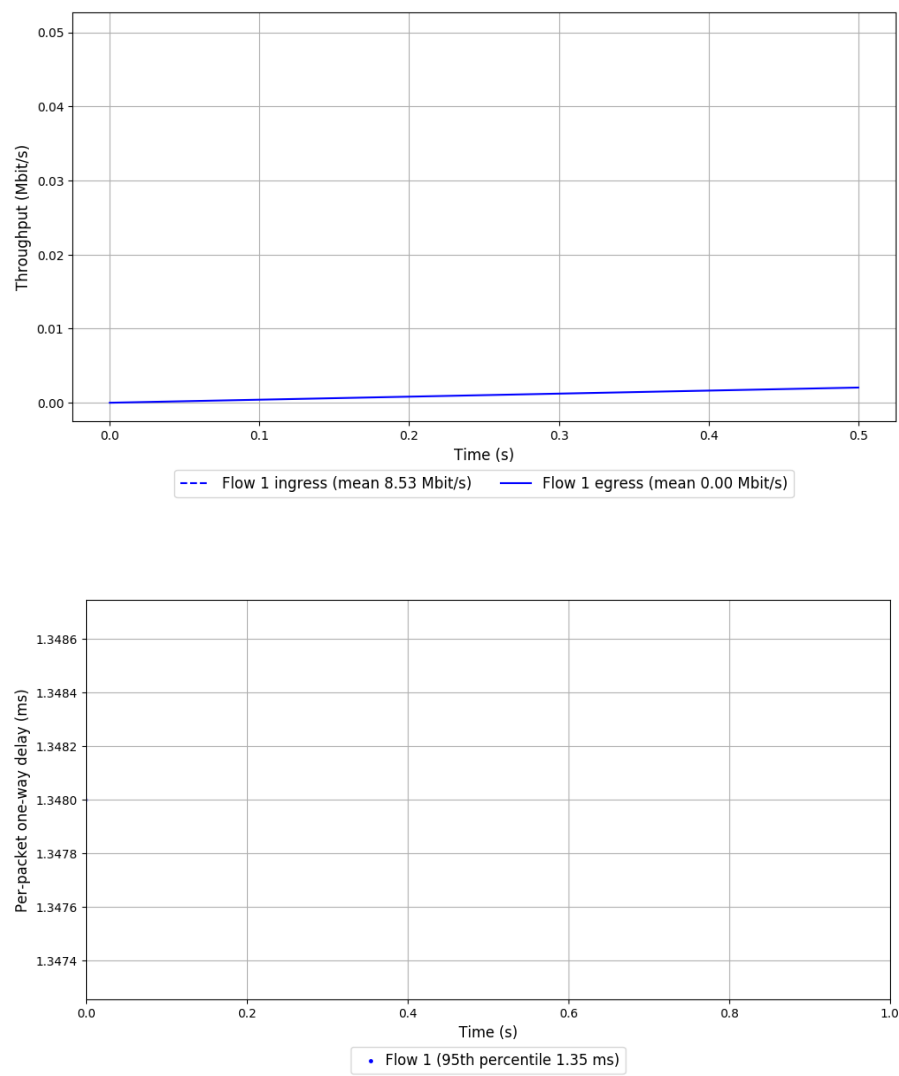
Start at: 2019-01-24 16:11:34

End at: 2019-01-24 16:12:04

Local clock offset: 3.257 ms

Remote clock offset: -0.253 ms

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



Run 5: Statistics of TaoVA-100x

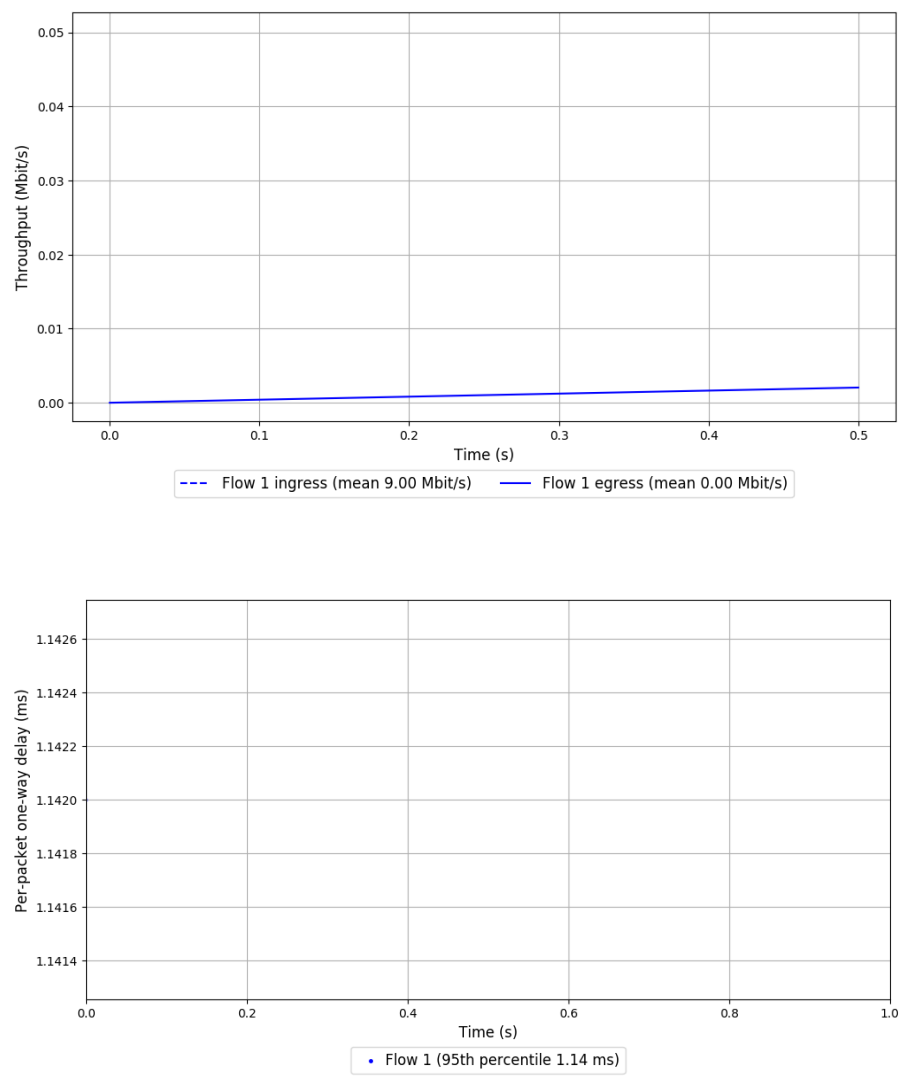
Start at: 2019-01-24 16:40:08

End at: 2019-01-24 16:40:38

Local clock offset: 4.043 ms

Remote clock offset: -0.169 ms

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



Run 1: Statistics of TCP Vegas

Start at: 2019-01-24 14:38:53

End at: 2019-01-24 14:39:23

Local clock offset: 2.244 ms

Remote clock offset: 3.265 ms

Below is generated by plot.py at 2019-01-24 17:36:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 402.25 Mbit/s

95th percentile per-packet one-way delay: 1.075 ms

Loss rate: 0.00%

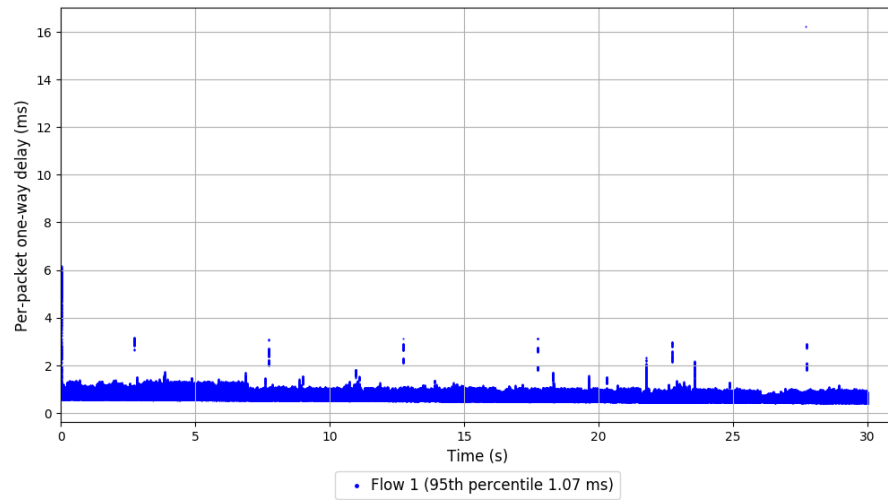
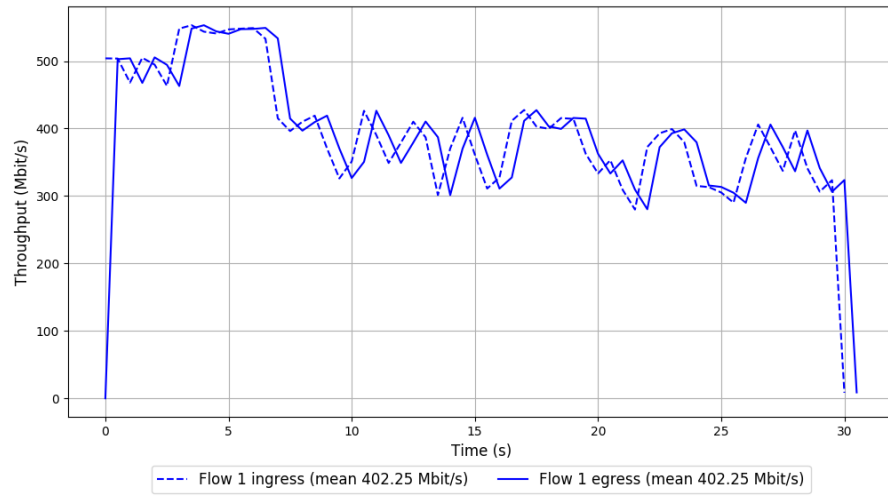
-- Flow 1:

Average throughput: 402.25 Mbit/s

95th percentile per-packet one-way delay: 1.075 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2019-01-24 15:07:53

End at: 2019-01-24 15:08:23

Local clock offset: -1.706 ms

Remote clock offset: 3.848 ms

Below is generated by plot.py at 2019-01-24 17:36:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.27 Mbit/s

95th percentile per-packet one-way delay: 1.200 ms

Loss rate: 0.00%

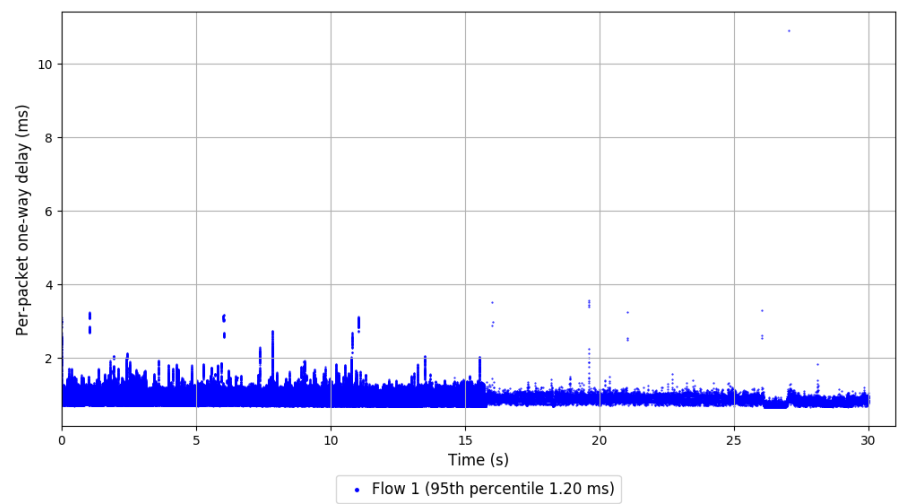
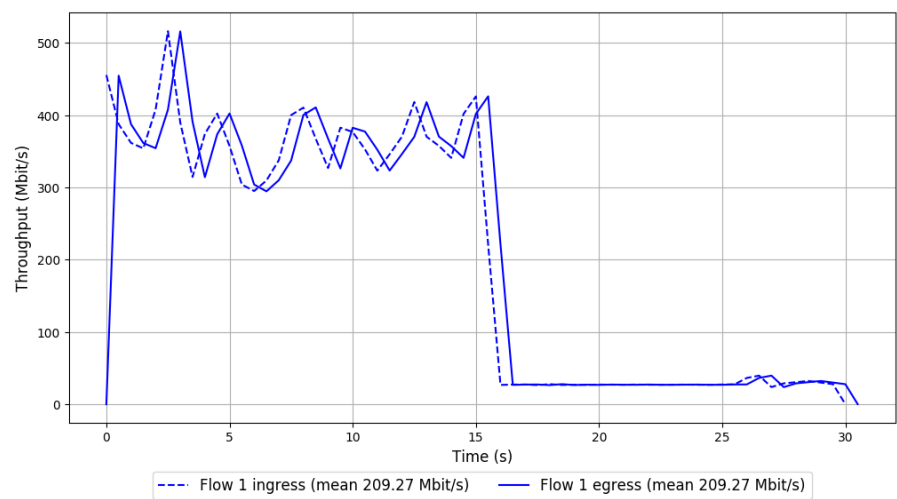
-- Flow 1:

Average throughput: 209.27 Mbit/s

95th percentile per-packet one-way delay: 1.200 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

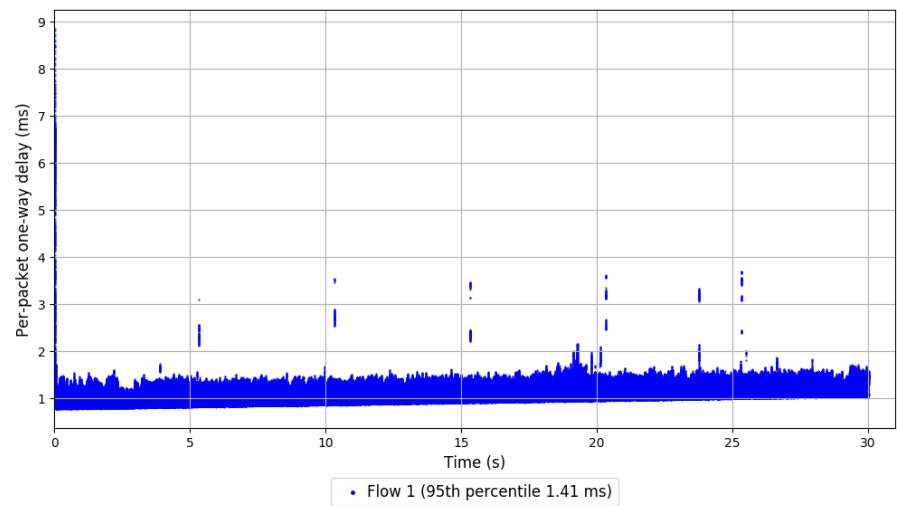
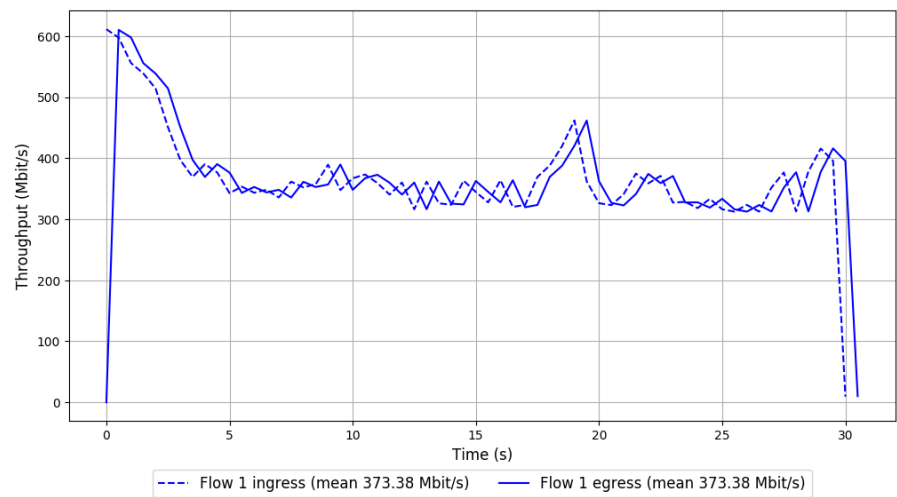


Run 3: Statistics of TCP Vegas

Start at: 2019-01-24 15:36:50
End at: 2019-01-24 15:37:20
Local clock offset: -1.305 ms
Remote clock offset: 2.413 ms

Below is generated by plot.py at 2019-01-24 17:36:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 373.38 Mbit/s
95th percentile per-packet one-way delay: 1.406 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 373.38 Mbit/s
95th percentile per-packet one-way delay: 1.406 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

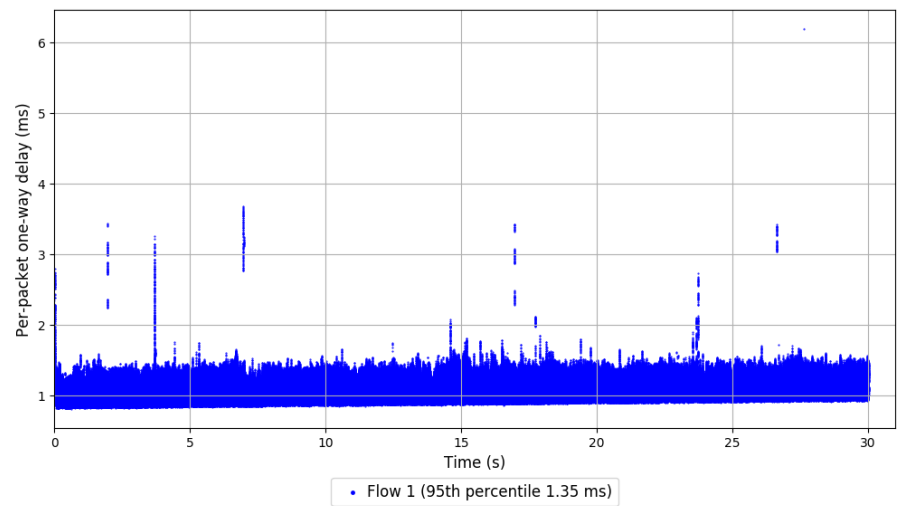
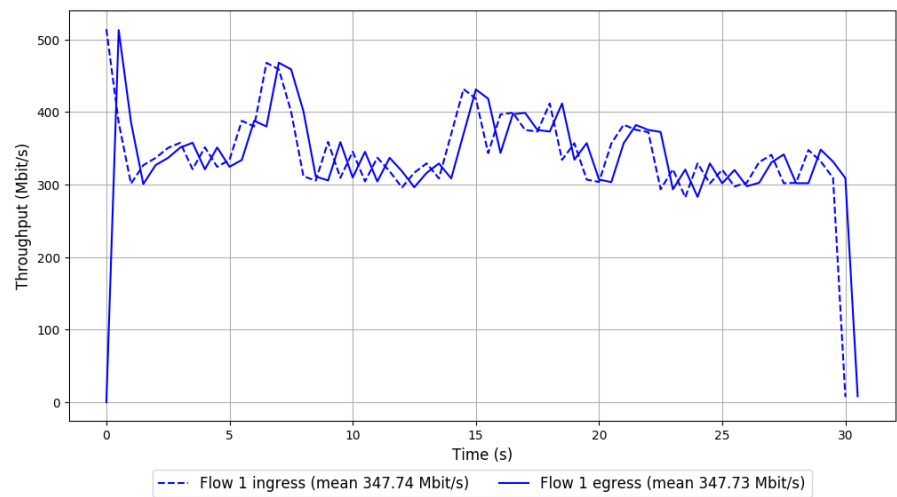


Run 4: Statistics of TCP Vegas

Start at: 2019-01-24 16:05:42
End at: 2019-01-24 16:06:12
Local clock offset: 2.362 ms
Remote clock offset: -0.571 ms

Below is generated by plot.py at 2019-01-24 17:36:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 347.73 Mbit/s
95th percentile per-packet one-way delay: 1.347 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 347.73 Mbit/s
95th percentile per-packet one-way delay: 1.347 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

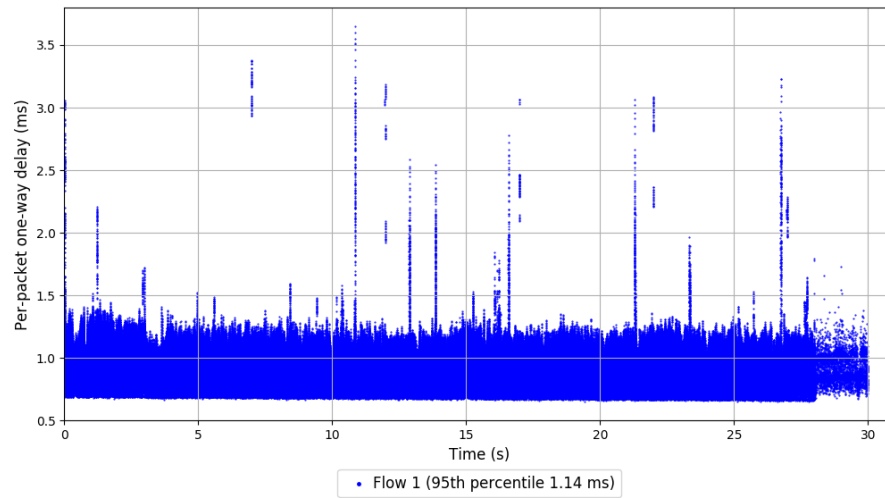
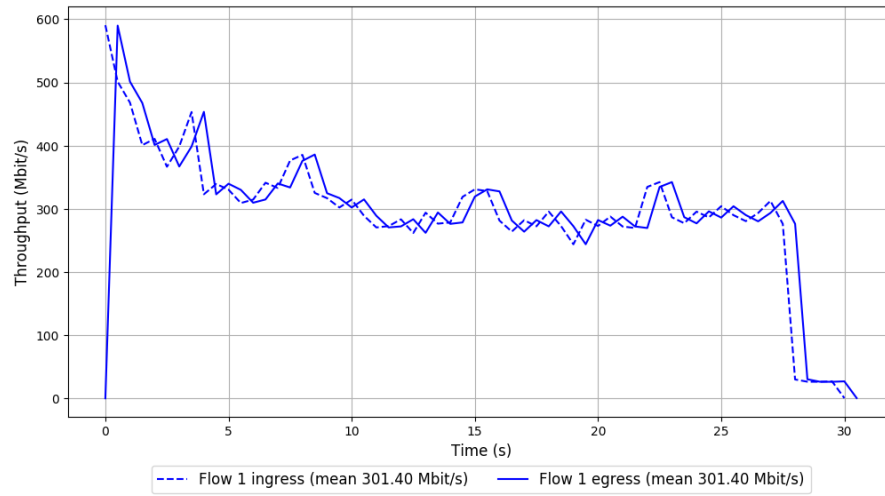


Run 5: Statistics of TCP Vegas

Start at: 2019-01-24 16:34:16
End at: 2019-01-24 16:34:46
Local clock offset: 4.326 ms
Remote clock offset: -0.157 ms

Below is generated by plot.py at 2019-01-24 17:36:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 301.40 Mbit/s
95th percentile per-packet one-way delay: 1.137 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 301.40 Mbit/s
95th percentile per-packet one-way delay: 1.137 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2019-01-24 14:23:56

End at: 2019-01-24 14:24:26

Local clock offset: 5.299 ms

Remote clock offset: 1.155 ms

Below is generated by plot.py at 2019-01-24 17:36:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 248.01 Mbit/s

95th percentile per-packet one-way delay: 6.742 ms

Loss rate: 1.24%

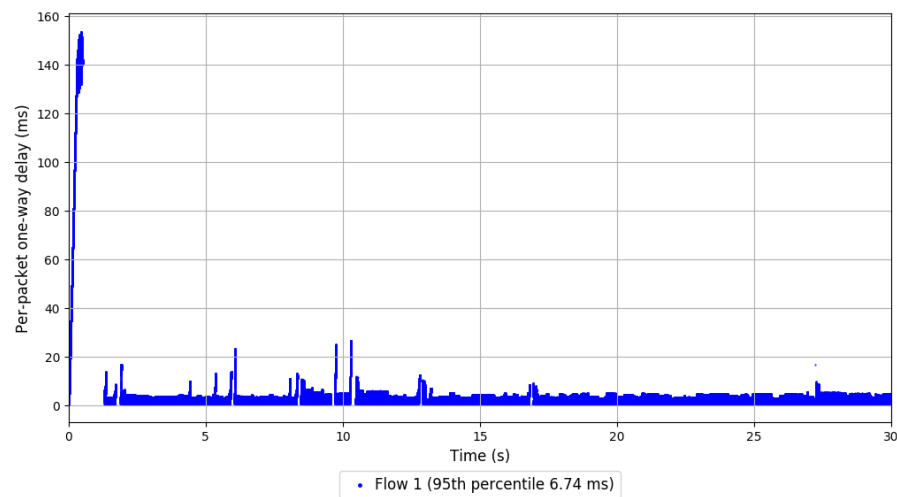
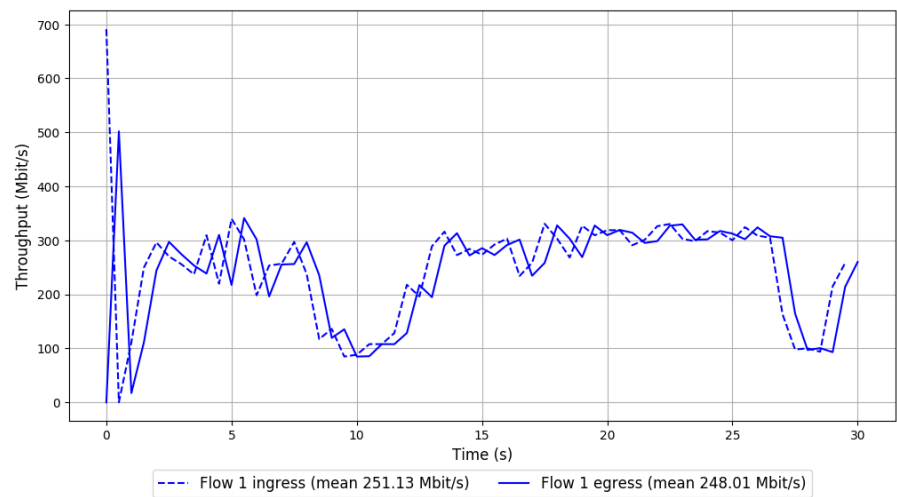
-- Flow 1:

Average throughput: 248.01 Mbit/s

95th percentile per-packet one-way delay: 6.742 ms

Loss rate: 1.24%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2019-01-24 14:52:58

End at: 2019-01-24 14:53:28

Local clock offset: 0.76 ms

Remote clock offset: 4.443 ms

Below is generated by plot.py at 2019-01-24 17:36:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 199.67 Mbit/s

95th percentile per-packet one-way delay: 5.701 ms

Loss rate: 0.77%

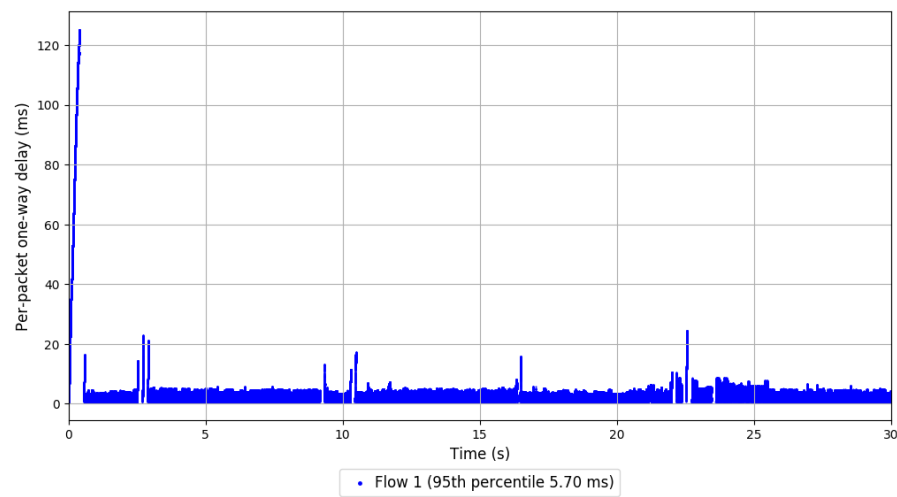
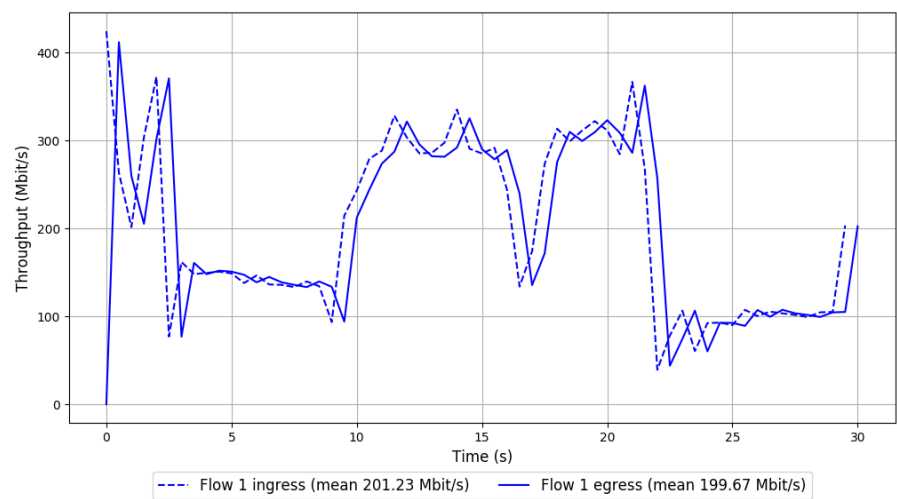
-- Flow 1:

Average throughput: 199.67 Mbit/s

95th percentile per-packet one-way delay: 5.701 ms

Loss rate: 0.77%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2019-01-24 15:21:53

End at: 2019-01-24 15:22:23

Local clock offset: -3.303 ms

Remote clock offset: 3.674 ms

Below is generated by plot.py at 2019-01-24 17:36:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 175.51 Mbit/s

95th percentile per-packet one-way delay: 10.781 ms

Loss rate: 1.05%

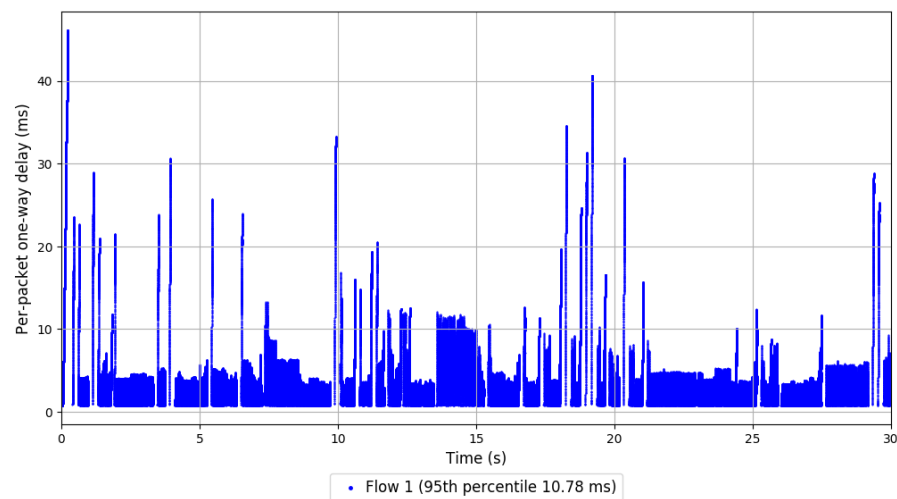
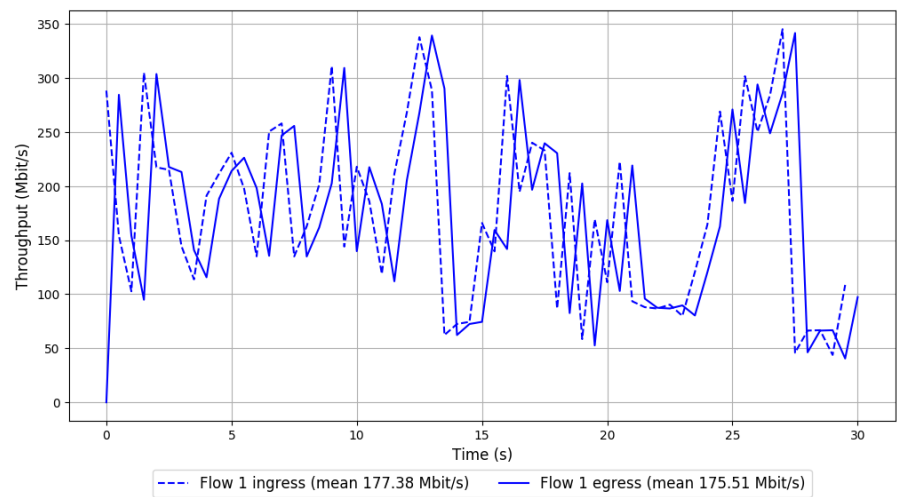
-- Flow 1:

Average throughput: 175.51 Mbit/s

95th percentile per-packet one-way delay: 10.781 ms

Loss rate: 1.05%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2019-01-24 15:50:51

End at: 2019-01-24 15:51:21

Local clock offset: 0.515 ms

Remote clock offset: 0.142 ms

Below is generated by plot.py at 2019-01-24 17:36:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 198.34 Mbit/s

95th percentile per-packet one-way delay: 10.026 ms

Loss rate: 0.50%

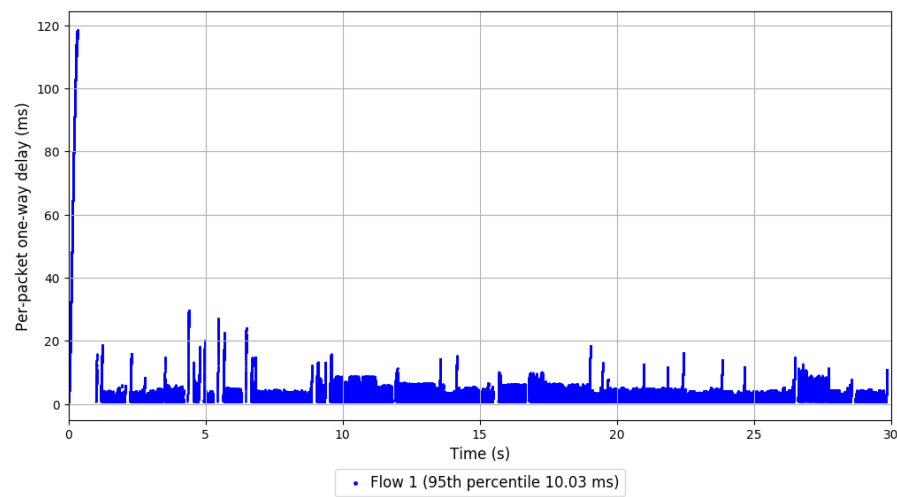
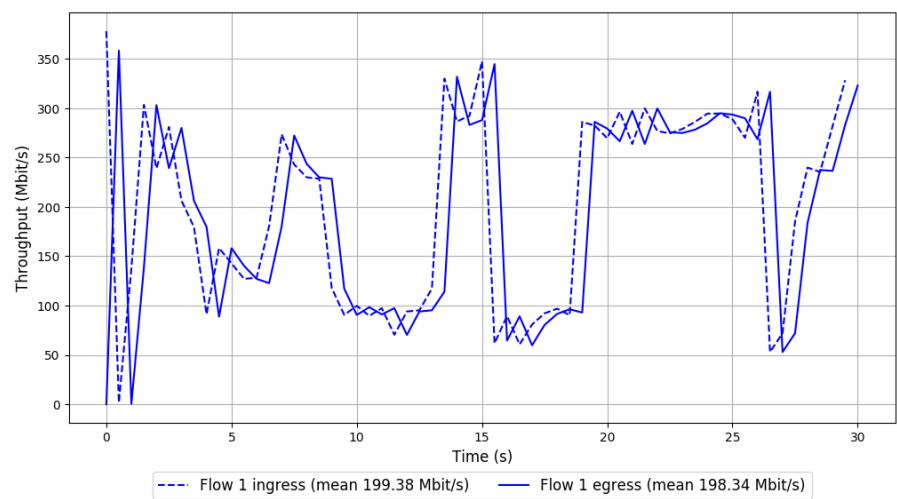
-- Flow 1:

Average throughput: 198.34 Mbit/s

95th percentile per-packet one-way delay: 10.026 ms

Loss rate: 0.50%

Run 4: Report of Verus — Data Link

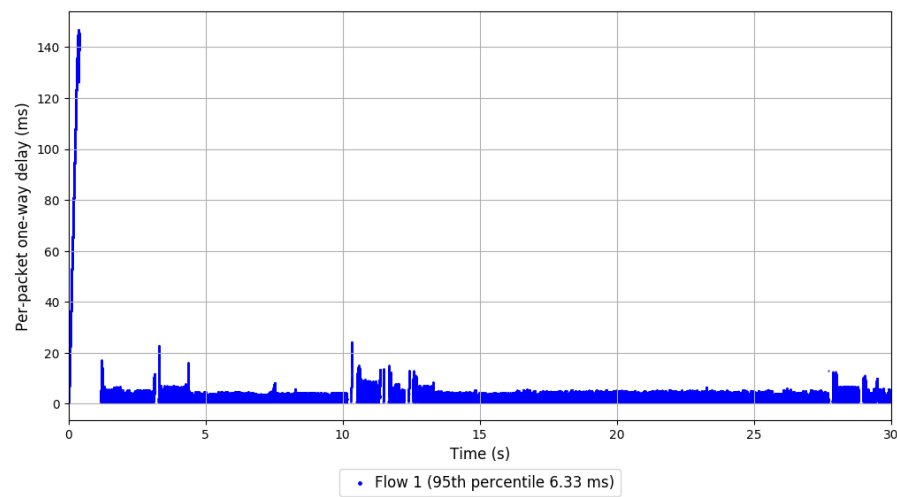
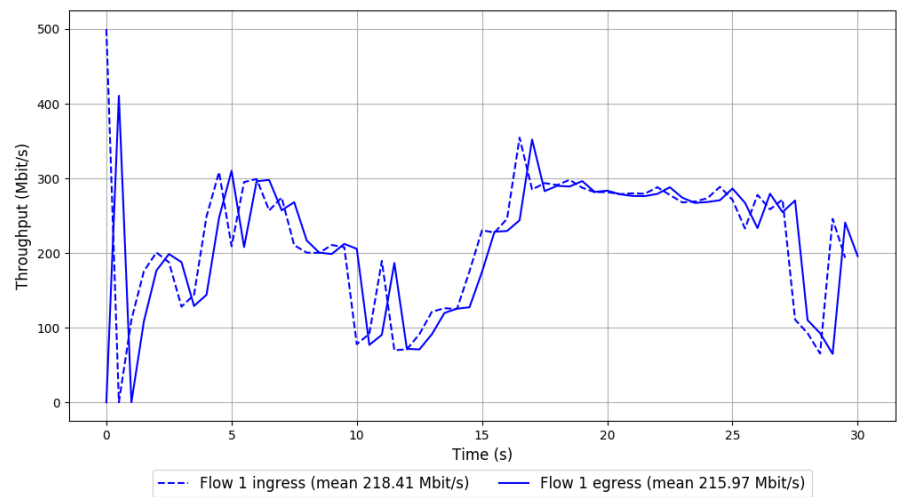


Run 5: Statistics of Verus

Start at: 2019-01-24 16:19:40
End at: 2019-01-24 16:20:10
Local clock offset: 4.074 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2019-01-24 17:36:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 215.97 Mbit/s
95th percentile per-packet one-way delay: 6.329 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 215.97 Mbit/s
95th percentile per-packet one-way delay: 6.329 ms
Loss rate: 1.11%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-01-24 14:34:39

End at: 2019-01-24 14:35:09

Local clock offset: 3.487 ms

Remote clock offset: 2.791 ms

Below is generated by plot.py at 2019-01-24 17:37:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 308.73 Mbit/s

95th percentile per-packet one-way delay: 0.638 ms

Loss rate: 0.00%

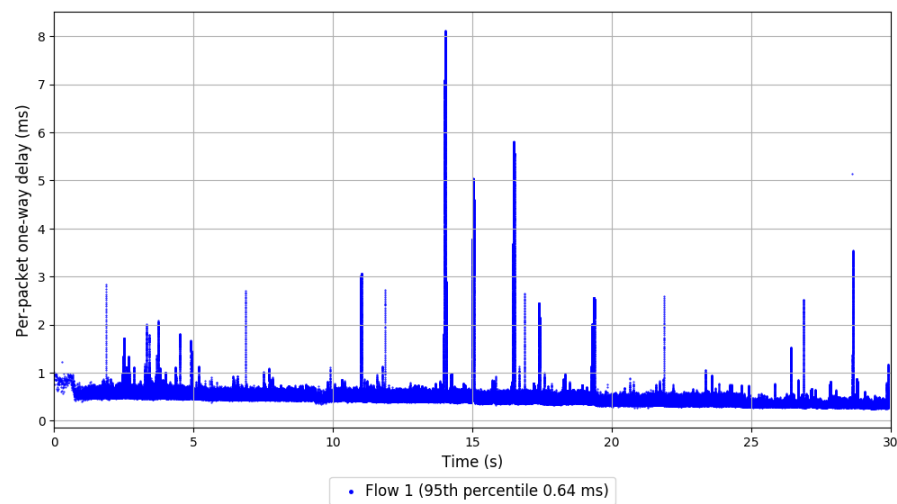
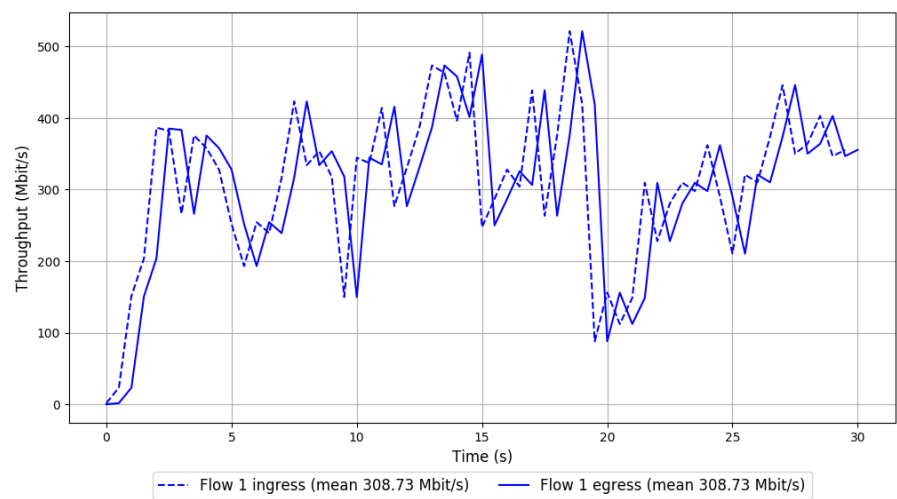
-- Flow 1:

Average throughput: 308.73 Mbit/s

95th percentile per-packet one-way delay: 0.638 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-01-24 15:03:39

End at: 2019-01-24 15:04:09

Local clock offset: -0.687 ms

Remote clock offset: 4.161 ms

Below is generated by plot.py at 2019-01-24 17:37:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 323.09 Mbit/s

95th percentile per-packet one-way delay: 1.028 ms

Loss rate: 0.00%

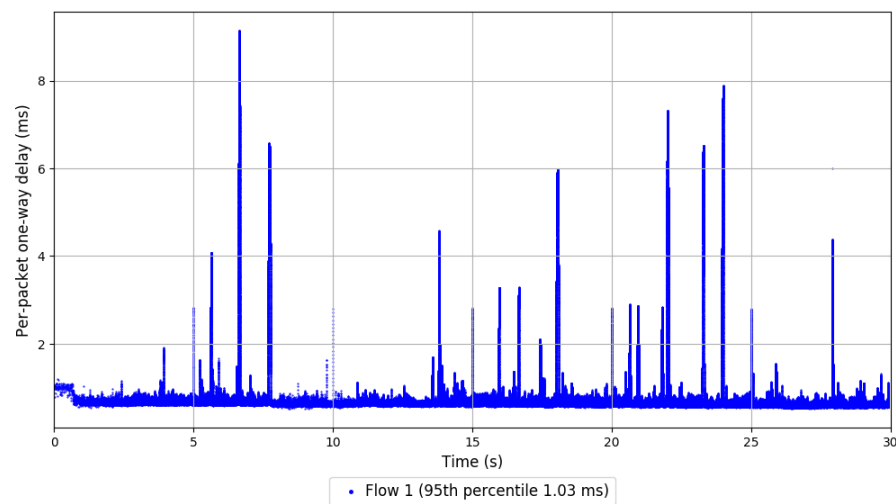
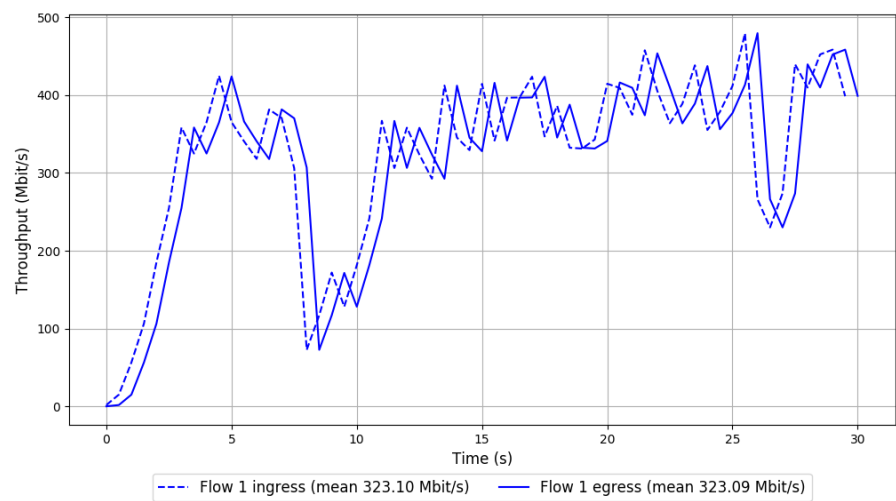
-- Flow 1:

Average throughput: 323.09 Mbit/s

95th percentile per-packet one-way delay: 1.028 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-01-24 15:32:39

End at: 2019-01-24 15:33:09

Local clock offset: -2.601 ms

Remote clock offset: 3.786 ms

Below is generated by plot.py at 2019-01-24 17:37:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 283.19 Mbit/s

95th percentile per-packet one-way delay: 2.405 ms

Loss rate: 0.00%

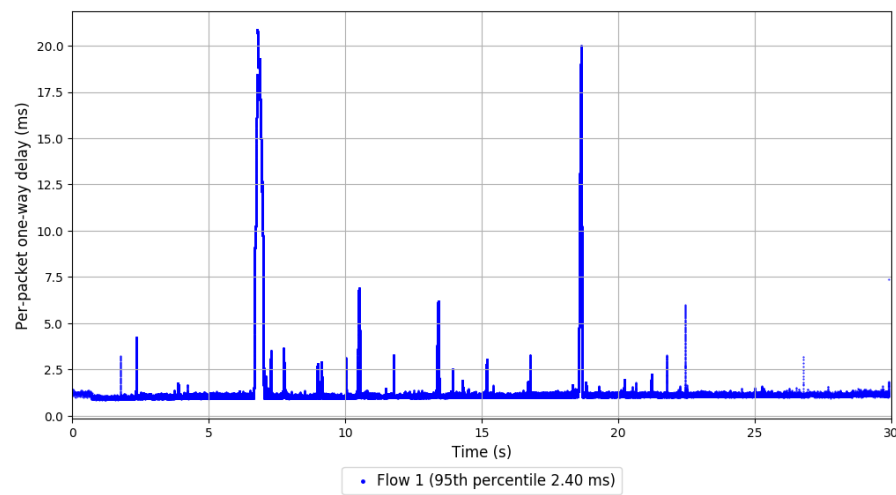
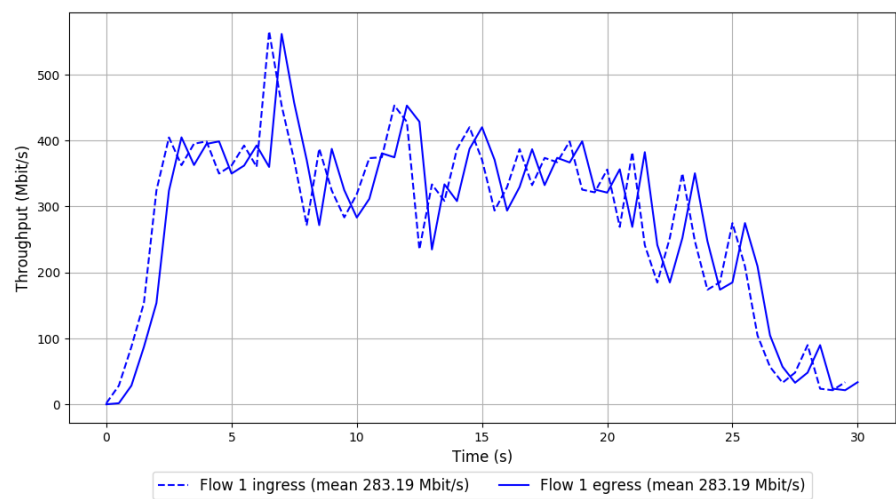
-- Flow 1:

Average throughput: 283.19 Mbit/s

95th percentile per-packet one-way delay: 2.405 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-01-24 16:01:33

End at: 2019-01-24 16:02:03

Local clock offset: 1.374 ms

Remote clock offset: -0.33 ms

Below is generated by plot.py at 2019-01-24 17:37:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 299.43 Mbit/s

95th percentile per-packet one-way delay: 9.464 ms

Loss rate: 0.00%

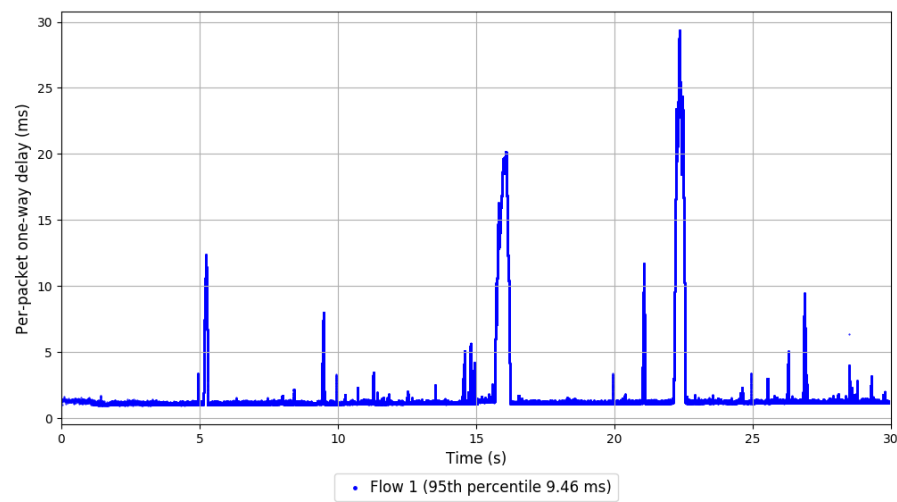
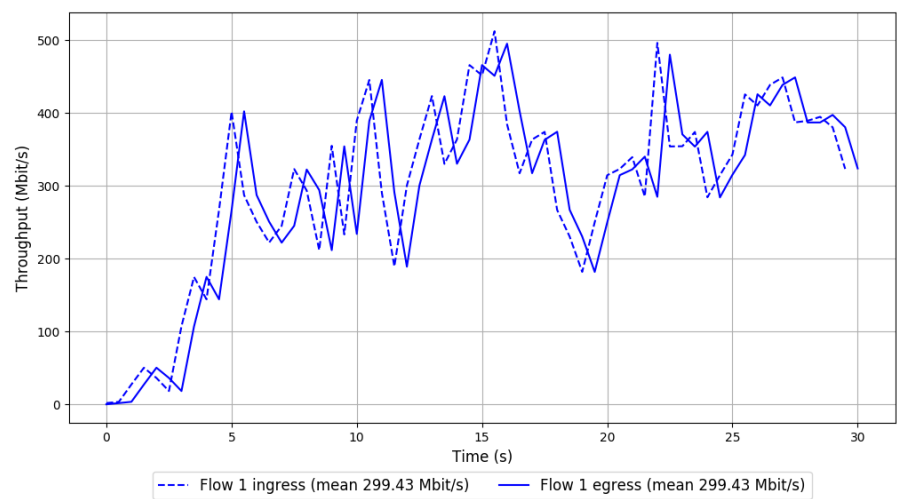
-- Flow 1:

Average throughput: 299.43 Mbit/s

95th percentile per-packet one-way delay: 9.464 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

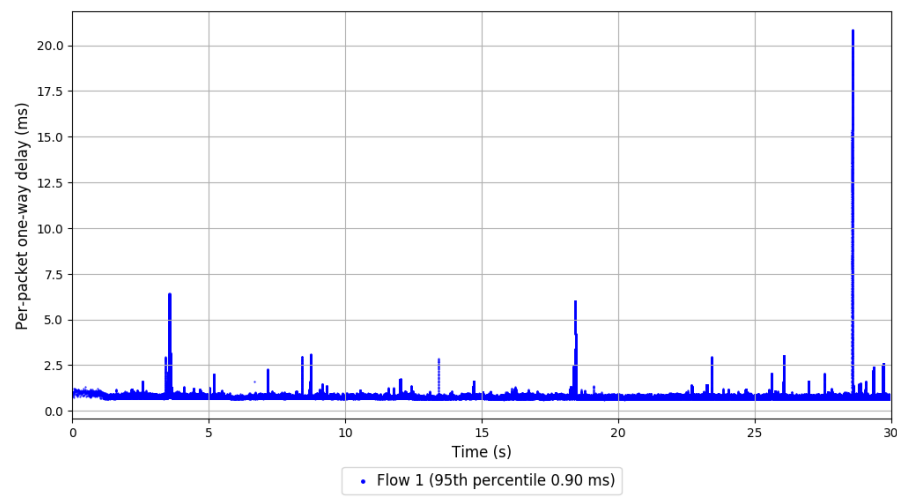
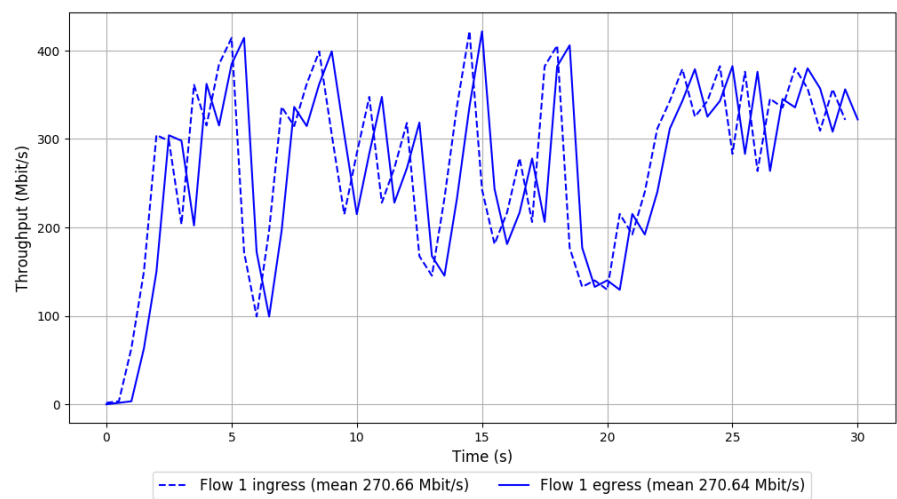


Run 5: Statistics of PCC-Vivace

Start at: 2019-01-24 16:30:07
End at: 2019-01-24 16:30:37
Local clock offset: 4.791 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2019-01-24 17:37:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 270.64 Mbit/s
95th percentile per-packet one-way delay: 0.899 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 270.64 Mbit/s
95th percentile per-packet one-way delay: 0.899 ms
Loss rate: 0.01%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2019-01-24 14:32:13

End at: 2019-01-24 14:32:43

Local clock offset: 4.645 ms

Remote clock offset: 2.48 ms

Below is generated by plot.py at 2019-01-24 17:37:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.258 ms

Loss rate: 0.00%

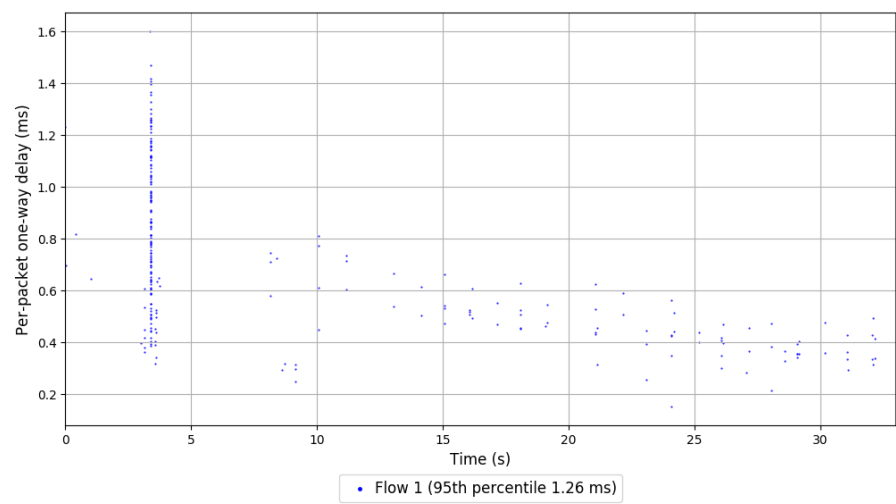
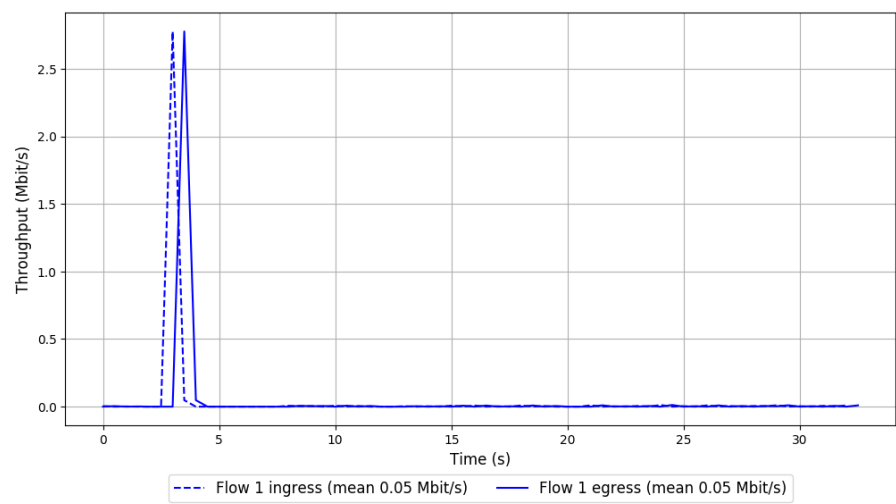
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.258 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2019-01-24 15:01:12

End at: 2019-01-24 15:01:42

Local clock offset: 0.168 ms

Remote clock offset: 4.576 ms

Below is generated by plot.py at 2019-01-24 17:37:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 2.239 ms

Loss rate: 0.00%

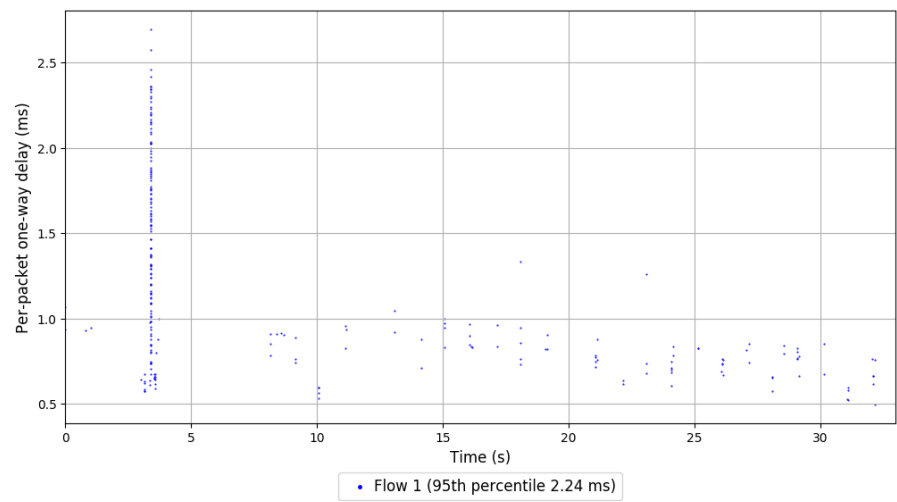
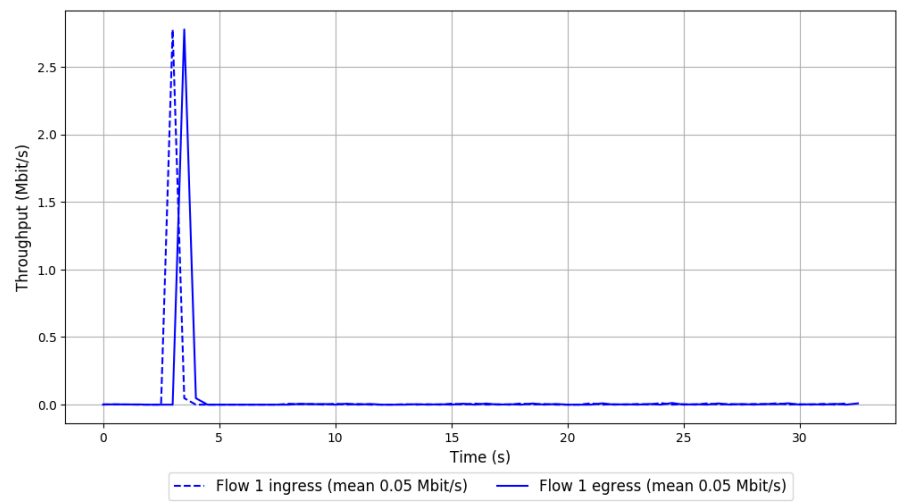
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 2.239 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-01-24 15:30:12

End at: 2019-01-24 15:30:42

Local clock offset: -3.625 ms

Remote clock offset: 3.742 ms

Below is generated by plot.py at 2019-01-24 17:37:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 2.880 ms

Loss rate: 0.00%

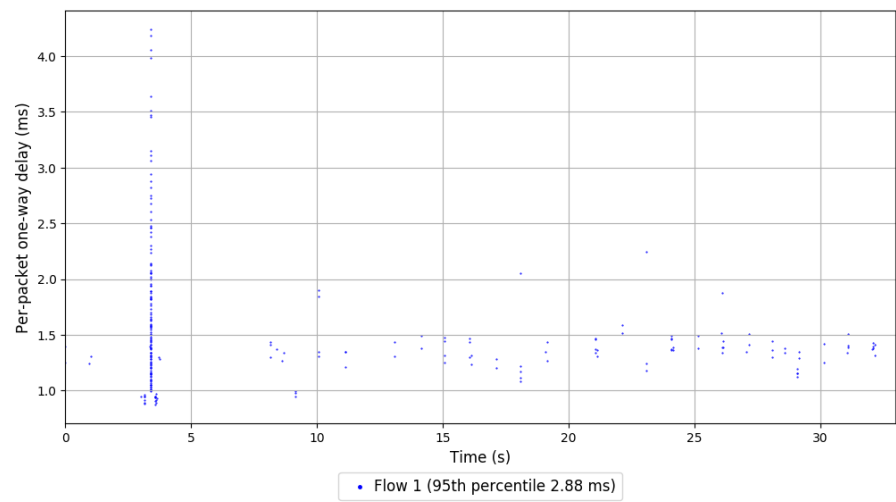
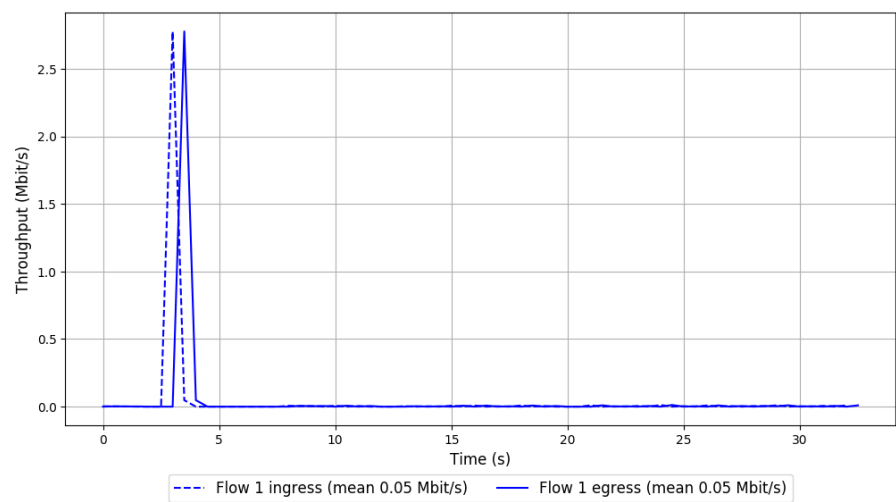
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 2.880 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

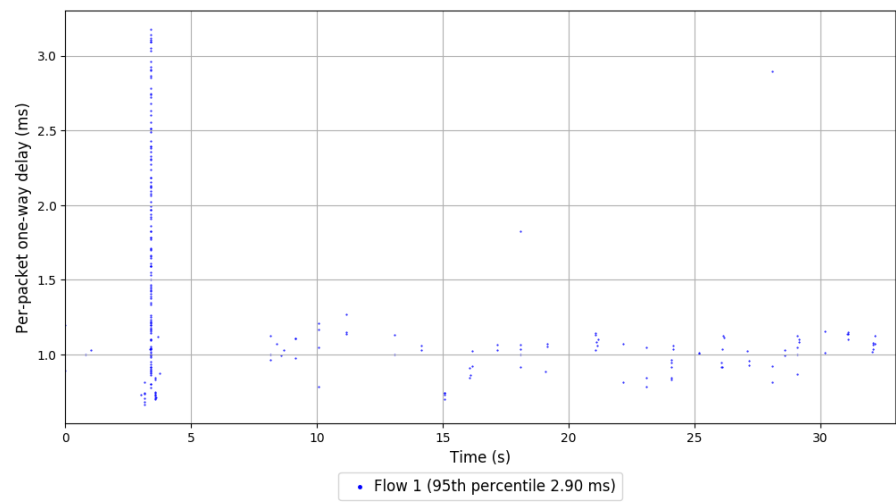
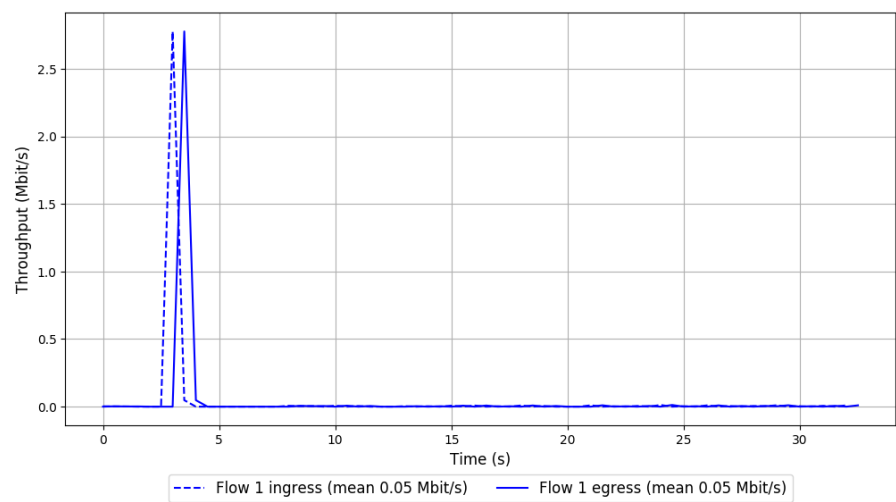


Run 4: Statistics of WebRTC media

Start at: 2019-01-24 15:59:06
End at: 2019-01-24 15:59:36
Local clock offset: 0.916 ms
Remote clock offset: -0.312 ms

Below is generated by plot.py at 2019-01-24 17:37:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 2.896 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 2.896 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-01-24 16:27:40
End at: 2019-01-24 16:28:10
Local clock offset: 4.668 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2019-01-24 17:37:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 2.011 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 2.011 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

